TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SOUTH CAROLINA 29438

ARCHITECTS / ENGINEERS / CONSULTANTS:

ARCHITECT:
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
(843) 577-6073

MEP ENGINEER:
RMF ENGINEERING
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
(843) 971-9641
(800) 938-5760

STRUCTURAL ENGINEER:
ADC ENGINEERING
1226 YEANMANS HALL RD.
HANAHAN, SC 29410
(843) 566-0161

CIVIL ENGINEER:
SEAMON, WHITESIDE & ASSOCIATES, INC.
501 WANDO PARK BLVD
SUITE 200
MT. PLEASANT, SC 29464
(843) 884-1667

TECHNOLOGY:
WIRED ENGINEERING, LLC
4327 S HWY 27
CLERMONT, FL 34711
(407) 716-9711

CONSTRUCTION MANAGEMENT:
CUMMING MANAGEMENT GROUP, INC.
399 CORPORATE ROAD BUILDING 300
NORTH CHARLESTON, SC 29405
(843) 203-2907

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PROJECT NOTES

1. GC TO NOTIFY SCDES IN ADVANCE OF ALL DEMOLITION ACTIVITY
2. FULL PROJECT TO BE COMPLETED IN TWO CONCURRENT PHASES. PHASE A INCLUDES THE SPRINKLERING OF THE EXISTING FIRE STATION. PHASE B INCLUDES THE CONSTRUCTION OF THE NEW EDISTO BEACH TOWN HALL. EACH PHASE HAS ITS OWN DURATION & SUBSTANTIAL COMPLETION DATE.
3. CONTRACTOR IS RESPONSIBLE FOR BOTH THE PLAN REVIEW AND BUILDING PERMIT FEES. BIDDERS SHALL CONTACT THE TOWN OF EDISTO TO DETERMINE FEE AMOUNTS TO BE INCLUDED IN THEIR BID.
4. CONTRACTOR IS RESPONSIBLE FOR ALL TAP & IMPACT FEES. CONTRACTOR TO CONFIRM ANY REQUIRED FEES WITH AHJ.
5. SEE STRUCTURAL SHEETS/SPECIFICATIONS & BID FORM FOR UNIT PRICES RELATED TO PILES

APPLICABLE CODES

ENFORCED CODES:

2021 INTERNATIONAL BUILDING CODE WITH S.C. MODIFICATIONS
2021 INTERNATIONAL MECHANICAL CODE WITH S.C. MODIFICATIONS 2021
2020 NATIONAL ELECTRIC CODE WITH S.C. MODIFICATIONS
2021 INTERNATIONAL PLUMBING CODE WITH S.C. MODIFICATIONS
INTERNATIONAL FIRE CODE, 2021 ED. WITH S.C. MODIFICATIONS
2021 INTERNATIONAL FUEL GAS WITH S.C. MODIFICATIONS

INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 ED. (ENERGY STANDARD ACT)

NFPA 70-2020, NATIONAL ELECTRIC CODE WITH S.C. MODIFICATIONS

LATEST EDITION OF ICC/ANSI-A117.1-2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ADOPTED BY THE ACCESSIBILITY ACT, S.C. CODE ANN. § 10-5-210 ET SEQ.

*(SCBC MODIFICATIONS: SEC 305.4.1, INSERT "18" AND INSERT "18". SEC 903.1, INSERT "8")

1. SITE DEVELOPMENT:
   1.1. TOTAL AREA OF PROJECT SITE (IN ACRES): 1.54
   A. TOTAL AREA OF PROJECT SITE THAT WILL BE DEVELOPED: .732 ACRES
   B. MUNICIPALITY AND/OR COUNTY WHERE PROJECT IS LOCATED: **TOWN OF EDISTO BEACH , SC**
   C. JURISDICTION FOR:
   SITE WORK: **TOWN OF EDISTO BEACH**
   FIRE DEPARTMENT: **EDISTO BEACH FIRE DEPARTMENT**
   WATER: **EDISTO BEACH UTILITIES DEPARTMENT**
   SEWER: **EDISTO BEACH UTILITIES DEPARTMENT**
   ZONING: **TOWN OF EDISTO BEACH, SC**
   1.2 IS PROJECT IN A FLOOD ZONE : **YES** EFFECTIVE DATE:**12/21/2017**
   FLOOD MAP INFORMATION: **MAP# 45029C 0777G, AE (EL 9')** COMMUNITY PANEL: **45029C 0777G**
   1.3 IS PROJECT IN WETLANDS AREA: **NO**
2. OCCUPANCY: **BUSINESS (B), ASSEMBLY (A)**
3. TYPE OF CONSTRUCTION:
   A. CONSTRUCTION CLASSIFICATION: **TYPE II B**
   B. IS THE BUILDING CONSTRUCTION PROTECTED OR UNPROTECTED: **UNPROTECTED**
   C. IS THE BUILDING CONSTRUCTION COMBUSTIBLE OR NONCOMBUSTIBLE: **NONCOMBUSTIBLE**
   D. IS THE BUILDING PROVIDED WITH A FIRE PROTECTION SPRINKLER SYSTEM? **YES**
4. GENERAL BUILDING DESIGN. ALLOWABLE AREA, HEIGHT AND OCCUPANT LOAD:
   A. BUILDING TOTAL AREA = **ALLOWABLE 92,000 GSF ; ACTUAL 9,910 GSF**
   B. HEIGHT = **ALLOWABLE 75' - 0" ; ACTUAL 25' - 6"**
   C. OCCUPANT LOAD = **154 PERSONS**
5. FIRE RESISTANCE RATINGS
   A. STRUCTURAL FRAME = 0
   B. BEARING WALLS/EXTERIOR =0
   C. BEARING WALLS/INTERIOR = 0
   D. NONBEARING WALLS/EXTERIOR =0
   E. NONBEARING WALLS/INTERIOR = 0
   F. FLOOR CONSTRUCTION = 0
   G. ROOF CONSTRUCTION = 0
   H. FIRE WALLS = **N/A**
   I. FIRE BARRIERS = **N/A**
   J. SHAFT ENCLOSURES =**1 HR**
   K. FIRE PARTITIONS = **1 HR**
6. OTHER FIRE PROTECTION REQUIREMENTS:
   A. ARE SMOKE BARRIERS REQ'D? **NO**
   B. SMOKE PARTITIONS REQ'D? **NO**
   C. PROTECTION OF PENETRATIONS REQ'D? **YES**
   D. ARE PENETRATIONS PER UL/TESTING AUTHORITY? **YES**
   E. OPENING PROTECTIVES REQ'D? **NO**
   F. IS DRAFT STOPPING REQ'D? **NO**
   G. IS FIRE BLOCKING REQ'D? **NO**
   H. ARE SPRINKLERS REQ'D? **NO** PROVIDED? **YES**
   I. ARE STANDPIPES REQ'D? **NO**
   J. IS A FIRE ALARM SYSTEM REQ'D? **YES**
   K. IS A SMOKE CONTROL SYSTEM REQ'D? **NO**
7. STRUCTURAL DESIGN INFORMATION: **SEE S100**
   A. FLOOR LIVE LOAD: **100 PSF THROUGHOUT**
   B. ROOF LIVE LOAD: **20 PSF**
   C. GROUND SNOW LOAD: **N/A**
   D. WIND LOADS: **ASCE 7-10**
   BASIC WIND SPEED, V= **157 (3-sec gust in mph)**
   BUILDING CATEGORY = **CATEGORY IV, ESSENTIAL FACILITY**
   WIND EXPOSURE = **EXPOSURE C**
   INTERNAL PRESSURE COEFFICIENT = **+ / - 0.18**
   COMPONENT AND CLADDING MAX PRESSURE = **49 PSF (ULT), 30 PSF (ASD)**
   E. SEISMIC LOADS: **ASCE 7-10**
   SEISMIC IMPORTANCE FACTOR, **IE = 1.5**
   SEISMIC USE GROUP = **III**
   MAPPED SPECTRAL RESPONSE ACCELERATIONS:
   SITE CLASS = **D**
   SPECTRAL RESPONSE COEFFICIENT: **Sds = 0.748** **Sd1 = 0.381**
   SEISMIC DESIGN CATEGORY = **CATEGORY D**
   BASIC SEISMIC FORCE RESISTING SYSTEM = **ORDINARY BRACED FRAMES AND ORDINARY MOMENT FRAMES**
   ANALYSIS PROCEDURE: **EQUIVALENT LATERAL FORCE**
   F. SPECIAL LOADS:
8. PLUMBING INFORMATION:
   A. WATER SYSTEM: DOMESTIC FIXTURE UNITS: **62 WFSU** PEAK GPM: **43 gpm** SERVICE LINE SIZE: **2"**
   B. SANITARY SEWER SYSTEM LOADING: **42 DFU**
   C. EXISTING SERVICE LINE SIZE: **4" FORCED MAIN**
9. MECHANICAL INFORMATION:
   A. OVERALL THERMAL TRANSFER VALUE (OTTV): FUTURE CALCULATION: *TBD **BTU/FT2**
   B. COOLING LOAD: **42 TONS**
   C. HEATING LOAD: **238 MBH**
   D. OUTSIDE AIR (CFM/PERSON): **3,155 CFM TOTAL, 42 PEOPLE, FOR 75 CFM/PERSON**
   E. INSULATION R-VALUE: EXT. WALLS: R19 ROOF: R30
   F. GLASS: U-FACTOR: **WINTER NIGHT TIME = 0.6 max.** **SUMMER DAYTIME = 0.6 max.** **SHGC: 0.29 max.**
   WINDOW-TO-WALL RATIO: 3%
10. ELECTRICAL INFORMATION:
   A. SERVICE TRANSFORMER:
   IF BY AGENCY: **BY UTILITY** KVA: **300 kVA** PRIMARY VOLTAGE/PHASE: **208V, 3-PHASE**
   B. PROVIDE THE FOLLOWING SERVICE INFORMATION:
   SERVICE VOLTAGE/PHASE: **208V, 3-PHASE** AMPERES: **800 A**
   SERVICE ENTRANCE CONDUCTORS SIZE: **3 SETS OF 400 MCM**
   QUANTITY PER PHASE: **3**
   TOTAL CONNECTED LOAD KVA: **292** ESTIMATED DEMAND FACTOR: **0.95**
   ESTIMATED MAXIMUM DEMAND KVA: **279**
   AVAILABLE FAULT CURRENT IN SYMMETRICAL AMPERES: **20,850A AT SERVICE DISCONNECT**
   INTERRUPTING CAPACITY OF SERVICE OVERCURRENT DEVICE: **30,000**
   TYPE OF GROUNDING ELECTRODE SYSTEM(S) PER NEC 250-C: **PER NFPA 70, ARTICLE 250**
   C. EMERGENCY GENERATOR: **YES** VOLTAGE/PHASE: **208V, 3-PHASE** FUEL: **DIESEL**
   D. EXIT/EMERGENCY LIGHTS BACKUP POWER: **GENERATOR**
   E. EMERGENCY EGRESS ILLUMINATION MINIMUM FOOT-CANDLES: **PER NFPA 101**
   F. FIRE ALARM SYSTEM: ADDRESSABLE? **YES** CLASS A OR B? **B**
   G. LIGHTNING PROTECTION PROVIDED? **YES**
   H. BUILDING COMMUNICATIONS COORDINATED WITH OIR? **N/A**

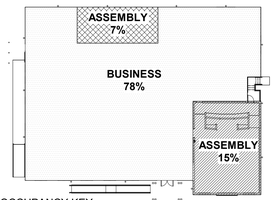
PROJECT PHASING

1. CONSTRUCT THE WORK IN PHASES, WITH EACH PHASE SUBSTANTIALLY COMPLETE AS INDICATED BELOW.
   A. **PHASE A: ALL WORK ASSOCIATED WITH THE SPRINKLERING OF THE EXISTING FIRE STATION.**
      a. COMMENCEMENT OF CONSTRUCTION:
         - NOTICE TO PROCEED: WORK OF THIS PHASE SHALL COMMENCE WITHIN SEVEN (7) DAYS AFTER THE NOTICE TO PROCEED.
      b. SUBSTANTIAL COMPLETION:
         - WITHIN ONE-HUNDRED & TWENTY (120) DAYS AFTER THE NOTICE TO PROCEED.
         - FINAL COMPLETION WITHIN THIRTY (30) DAYS OF PHASE A SUBSTANTIAL COMPLETION.
   B. **PHASE B: ALL WORK ASSOCIATED WITH THE NEW CONSTRUCTION OF THE TOWN HALL BUILDING**
      a. COMMENCEMENT OF CONSTRUCTION:
         - NOTICE TO PROCEED: WORK OF THE PHASE SHALL RUN CONCURRENTLY WITH PHASE A AND COMMENCE WITHIN SEVEN (7) DAYS AFTER THE NOTICE TO PROCEED
      b. SUBSTANTIAL COMPLETION:
         - WITHIN THREE-HUNDRED & SIXTY FIVE (365) DAYS OF AFTER THE NOTICE TO PROCEED.
         - FINAL COMPLETION WITHIN THIRTY (30) DAYS OF PHASE B SUBSTANTIAL COMPLETION THE NOTICE TO PROCEED

AGENCY APPROVALS

AGENCY	APPROVAL	DATE
SCDES	STORMWATER MANAGEMENT	11/16/2024
SCDOT	ENCROACHMENT PERMITS	12/06/2024
EDISTO BEACH ZBA	ZONING VARIANCE	11/21/2024
TOWN OF EDISTO BEACH	MS4 / STORMWATER MANAGEMENT	PENDING
EDISTO BEACH UTILITIES DEPT.	WATER /SEWER REVIEW	PENDING

OCCUPANCY KEY PLAN



C6 / G100 OCCUPANCY KEY
SCALE: 1" = 30'-0"

CRAWL SPACE FLOOD VENTS

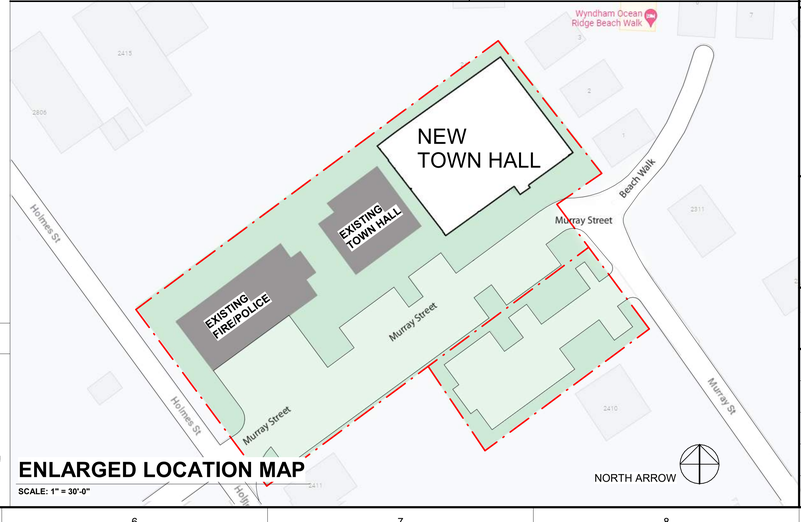
1 SQ. INCH VENT / 1 SQ FOOT OF CRAWL SPACE
9,916 SF CRAWL SPACE = 9,916 SQ INCHES OF VENTS

LOCATION MAP

LOCATION MAP

PROJECT SITE:

2414 MURRAY STREET
EDISTO BEACH
COLLETON COUNTY
SOUTH CAROLINA
29438



ENLARGED LOCATION MAP
SCALE: 1" = 30'-0"

SEALS

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5973
REGISTERED ARCHITECT

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

TITLE SHEET

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	RML
CHECKED BY	SHC
DATE	01/10/2025
SCALE	1" = 30'-0"

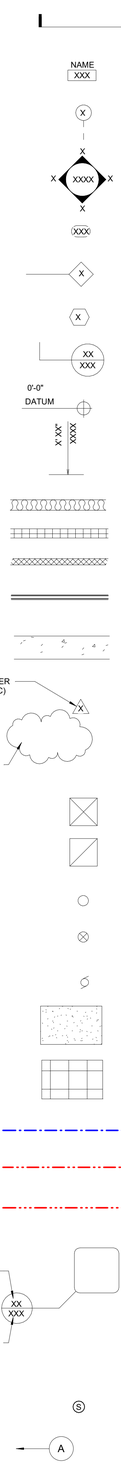
G100

1/13/2025 8:16:49 AM

ABBREVIATIONS

AB	Anchor Bolt
A/C	Air Conditioned
APC	Acoustical Panel Ceiling
ACE	Air Conditioning Unit
AD	Access Door
ADJ	Adjustable
AHJ	Air Handler Unit
ALUM	Aluminum
AP	Access Panel
AS	Aluminum Storefront
AFF	Above Finish Floor
BIT	Bitumen
CA	Compressed Air
CAB	Cabinet
CB	Chalk Board
CCT	Cubicle Curtain Track
CI	Cast Iron
CG	Corner Guard
CJ	Control Joint
CL	Center Line
CLG	Ceiling
CMU	Concrete Masonry Unit
COL	Column
COMP	Compressor
CONC	Concrete
CONT	Continuous
CONST	Construction
CPT	Carpet
CT	Ceramic Tile
CTR	Counter
CO	Clean Out
CW	Cold Water
CWP	Concrete Wall Panel
CBB	Computer Backboard
DF	Drinking Fountain
DIA	Diameter
DIAG	Diagonal
DISP	Dispenser
DS	Downspout
DWGS	Drawings
EL	Elevation
ELEC	Electrical
ELEV	Elevator
EJ	Expansion Joint
EP	Electric Panel
EQUIP	Equipment
ETV	Educational Television
EBB	ETV Backboard
EXT'G	Existing
EXT	Exterior
EWC	Electric Water Cooler
EXP	Exposed, Expansion
FCO	Floor Clean Out
FD	Floor Drain
FDC	Fire Department Connection
FE	Fire Extinguisher
FEC	Fire Extinguisher & Cabinet
FFE	Finish Floor Elevation
FIN	Finish
FL	Floor
FT	Foot, Feet
FTG	Footing
FS	Fire Sealant
G	Gas
GA	Gauge
GB	Grab Bar
GL	Glass
GR	Grade
GWB	Gypsum Wall Board
GYP	Gypsum
HB	Hose Bibb
HC, H/C	Handicapped
HDW	Hardware
HM	Hollow Metal
HP	High Point
HR	Hour
HTG	Heating
HW	Hot Water
HP	Horsepower
Hz	Hertz (Cycles)
IN	Inch, Inches
INSUL	Insulation
INT	Interior
JT	Joint
KIT	Kitchen
KP	Kick Plate
LAV	Lavatory
LKR	Locker
LP	Low Point
LPD	Light Proof Door
MAX	Maximum
MB	Marker Board
MECH	Mechanical
MES	Metal Edge Strip
MIN	Minimum
MISC	Miscellaneous
MLDG	Moulding
MO	Masonry Opening
MOD	Modified
MSL	Mean Sea Level
MT	Metal Threshold
MTD	Mounted
MWP	Metal Wall Panel
NIC	Not in Contract
OBS	Obscure
OC	On Center
OH	Overhead
OPNG	Opening
OPP	Opposite
OFD	Overflow Drain
P	Paint
PART HT	Partition Height
PB	Pegboard
PROP	Property Line
PL	Plate
PLAS	Plaster
PLWD	Plywood
PSB	Pencil Sharpener Block
PH	Phase
PT	Preservative Treated
POLYCARB	Polycarbonate
PF	Prefinished
QT	Quarry Tile
R	Riser
RCP	Reflected Ceiling Plan
RD	Roof Drain
RECEP	Receptacle
REF	Refrigerator
REINF	Reinforcing, Reinforced
REQ'D	Required
RM	Room
RO	Rough Opening
S	Stain
SB	Sign Block
SCHD	Schedule
SEC	Section
SF	Square Feet
SH	Shelving, Shelf
SIM	Similar
SPECS	Specification
SS	Sanitary Sewer
STC	Sound Transmission Coefficient
STOR	Storage
STRUCT	Structural
S/S; SS	Stainless Steel
ST	Storm Sewer
SAT	Suspended Acoustic Ceiling
T	Tread
TB	Tack Board
TCA	Tile Council of America
TBB	Telephone Backboard
TYP	Typical
TEL	Telephone
TERR	Terrazzo
TOIL, T	Toilet
TS	Tackstrip
UL	Underwriters Laboratories
UNO	Unless Noted Otherwise
V	Vinyl, Volts
VCT	Vinyl Composition Tile
VEST	Vestibule
VTR	Vent Thru Roof
WC	Water Closet
WCO	Wall Clean-Out
WD	Wood
WH	Waterheater
WP	Waterproof(ing)
WP	Working Point
WS	Weatherstrip

SYMBOLS: (SEE C, S, P, M & E SHEETS FOR ADDITIONAL SYMBOLS)



DETAIL IDENTIFICATION
SHEET COORDINATE LOCATION
SHEET NUMBER

SPACE IDENTIFICATION
ROOM NAME
ROOM NUMBER

STRUCTURAL GRID LINE

INTERIOR ELEVATION
DETAIL NUMBER
SHEET NUMBER

DOOR NUMBER

WALL TYPE IDENTIFICATION

WINDOW TYPE IDENTIFICATION

DOOR & WINDOW DETAIL
IDENTIFICATION

DATUM ELEVATION

BUILDING ELEVATION

BATT INSULATION

RIGID INSULATION

CMU WALL

STEEL STUD &
GWB WALL- SEE
WALL TYPES

NEW CONCRETE

REVISION MARK

SUPPLY AIR DIFFUSER
SEE 'M' SHEETS

RETURN AIR GRILL
SEE 'M' SHEETS

INCANDESCENT LIGHT FIXTURE
SEE 'E' SHEETS

EXIT SIGN
SEE 'E' SHEETS

EXHAUST FANS
SEE 'M' & 'E' SHEETS

GWB CEILING & SOFFIT

APC SYSTEM (ACOUSTICAL PANEL CEILING)

1 HOUR RATED WALL

2 HOUR RATED WALL

3 HOUR RATED WALL

CALLOUT OF DETAIL

SPEAKER

PHOTO VIEW TAG

WORKING DRAWINGS ORGANIZATION SYSTEM (ConDoc)

THE ConDoc SYSTEM:

1. A BASIC PRINCIPAL OF ConDoc IS TO SIMPLIFY THE PROCESS OF PRODUCING WORKING DRAWINGS, WITHOUT ANY COMPROMISE OF QUALITY OR CONTENT OF THE DOCUMENTS. THE USE OF KEYNOTE SYMBOLS ON THE DRAWINGS, WHICH CROSS-REFERENCE TO NOTES IN LEGENDS (ON THE DRAWINGS) IS AN ESSENTIAL ELEMENT OF THE METHODOLOGY. THESE KEYNOTE SYMBOLS ALLOW FOR TEXT REDUCTION AND SERVE THE FURTHER PURPOSE OF LINKING INFORMATION ON THE DRAWINGS WITH THAT CONTAINED IN THE SPECIFICATIONS THROUGH THE USE OF A NUMBERING SYSTEM WHICH IS COMMON TO BOTH THE DRAWINGS AND THE SPECIFICATIONS.
2. THE ORGANIZATION OF THE KEYNOTING SYSTEM ON THE DRAWINGS, WITH THE KEYNOTE REFERENCE NUMBERS RELATED TO THE SPECIFICATIONS SECTIONS NUMBERING SYSTEM, SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG THE SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.
3. USING THE ConDoc SYSTEM, "MATERIALS KEYING LEGEND" NOTES ARE NOT REPEATED ON CONSECUTIVE DETAILS ON THE SAME SHEET. DIFFERENCES AND NEW MATERIALS ARE NOTED AS NECESSARY
4. FOR THIS PROJECT, ONLY THE "A" SHEETS CONFORM TO THE ConDoc SYSTEM MATERIAL KEYING LEGEND.

1. ALPHA-NUMERIC SYSTEM CODE

A100

- A — DRAWING NUMBER
- 1 — GROUP DESIGNATION (ITEM 3)
- 0 — DISCIPLINE PREFIX (ITEM 2)

2. BASIC DISCIPLINE IDENTIFICATION

DISCIPLINE PREFIX	DISCIPLINE	DISCIPLINE PREFIX	DISCIPLINE
T	TITLE, PROJECT INFORMATION	M	MECHANICAL
C	CIVIL	E	ELECTRICAL
D	DEMOLITION	FP	FIRE PROTECTION
A	ARCHITECTURAL	K	KITCHEN
S	STRUCTURAL	R	ROOF
P	PLUMBING	LS	LIFE SAFETY

3. DRAWING GROUPS IDENTIFICATION ('A' DRAWINGS)

A000, A001, ETC.	GENERAL
A100, A101, ETC.	PLANS
A200, A201, ETC.	EXTERIOR ELEVATIONS
A300, A301, ETC.	BUILDING AND WALL SECTIONS
A400, A401, ETC.	INTERIOR ELEVATIONS
A500, A501, ETC.	DETAILS
A600, A601, ETC.	SCHEDULE AND DIAGRAMS

4. MATERIALS KEYING

009250.A

- 009250 — PREFIX NUMBER; CORRESPONDS TO SPECIFICATION SECTION FOR MATERIALS
- A — SUFFIX LETTER; IDENTIFIES THE SPECIFIC ITEM LISTED IN LEGEND

MATERIALS (SEE DRAWINGS AND SPECIFICATIONS FOR SPECIAL MATERIALS)

CONSTRUCTION SIGN

MASTER KEYNOTE LIST

KEY VALUE	KEYNOTE TEXT	KEY VALUE	KEYNOTE TEXT
033000.B	CONCRETE SLAB- SEE 'S' SHEETS	092900.E	5/8" MOISTURE & MOLD RESIST GWB
033000.D	VAPOR BARRIER	092900.H	1/2" GYPSUM CEILING BOARD
033000.E	JOINT FILLER	092900.I	1/4" FLEXIBLE GWB
033000.J	4 IN. CONCRETE PAD-WALK	092900.L	SOUND ATTENUATION ACOUSTIC BATTS
033000.K	REINFORCING- SEE 'S' SHEETS	093013.A	TILING
033000.L	CAST IN PLACE CONCRETE- SEE 'S' SHEETS	093013.E	CERAMIC TILE
033000.O	HOLLOW FLOOR SLAB - SEE 'S' SHEETS	093013.G	4 MIL. POLY WATERPROOF MEMBRANE
033000.P	3/4" STRUCTO-CRETE PANEL	093013.H	UNCOUPLING MEMBRANE
033000.Q	CONCRETE SIDEWALK - SEE 'C' SHEETS	093013.J	ALUMINUM THRESHOLD
042200.C	12IN. CMU	095113.A	ACOUSTICAL PANEL CEILINGS
042200.M	8 IN.X 16 IN. FOUNDATION FLOOD VENTS	095113.B	CEILING GRID
042200.R	12 IN. CMU-BOND BEAM	096513.C	REDUCER STRIP
051200.A	STRUCTURAL STEEL FRAMING	096513.F	6 IN. RESILIENT BASE
051200.B	STEEL BEAM SEE 'S' SHEETS	096519.A	RESILIENT TILE FLOORING
051200.G	STEEL ANGLE - SEE 'S' SHEETS	096519.B	VINYL COMPOSITE TILE
051200.H	GALVANIZED REPLACEMENT GIRT - SEE 'S' SHEETS	096813.A	TILE CARPETING
		102113.17.B	TOILET PARTITIONS & URINAL SCREENS
051200.J	GALVANIZED STEEL PLATE	102600.C	INSECT SCREEN
053100.A	STEEL DECKING - SEE 'S' SHEETS	102600.D	ACROVYN CORNER GUARD
054000.A	COLD FORM METAL FRAMING SEE 'S' SHEETS	102800.B	TOILET PAPER DISPENSER
054000.C	6 IN. COLD FORMED METAL FRAMING	102800.D	GRAB BAR
054000.E	10 IN. COLD FORMED METAL FRAMING	102800.F	MIRROR UNIT
054000.I	6 IN. RADIUSED TRACK	102800.G	SOAP DISPENSER
054000.J	2 IN. COLD FORMED METAL FRAMING	102800.H	SANITARY NAPKIN DISPOSAL
054000.P	Z FURRING	102800.I	COMBO SEMI RECESSED PAPER TOWEL DISPENSER/TRASHCAN
054000.Q	GALVANIZED HAT CHANNEL		
055213.A	PIPE AND TUBE RAILINGS	102800.V	DIAPER CHANGING STATION
055213.C	WELDED ALUM PIPE RAILING	102800.X	SHOWER CURTAIN & ROD
055213.D	WELDED ALUMINUM RUNNER	104413.B	SEMI-RECESSED FIRE EXTINGUISHER CABINET
055213.E	1 1/2" PIPE HANDRAIL	104416.A	FIRE EXTINGUISHERS
055213.F	METAL HANDRAIL SUPPORT	107300.D	GUTTER AND DOWNSPOUT
055213.G	GALVANIZED METAL GUARDRAIL	107300.G	ALUMINUM CANOPY
055213.H	GALVANIZED METAL HANDRAIL	107516.A	FLAGPOLES
061053.B	1/2 IN. PLYWOOD - PRESSURE TREATED	113013.A	RESIDENTIAL APPLIANCES
061053.C	WOOD BLOCKING - PRESSURE TREATED	122413.A	ROLLER WINDOW SHADES
061053.D	3/4" FURRING @ 24" O.C. - PRESSURE TREATED	123213.A	MANUFACTURED WOOD-VENEER-FACED CASEWORK
061053.E	INSECT SCREEN		
061053.F	WOOD STARTER STRIP - PRESSURE TREATED	123213.G	SOLID SURFACE COUNTERTOP
061300.A	HEAVY TIMBER CONSTRUCTION - SEE 'S' SHEETS	123213.I	BASE CABINET
061600.B	GYPSUM SHEATHING	123661.A	SOLID SURFACE COUNTERTOPS
061600.I	1/2 IN. PRESSURE TREATED PLYWOOD SHEATHING	123661.C	SOLID SURFACE INTREGAL SINK COUNTER TOP
064013.H	TREATED WOOD BENCH & SEATBACK	123661.D	QUARTZ AGGLOMERATE COUNTERTOP
064023.B	INTERIOR STANDING & RUNNING TRIM	123661.E	SOLID SURFACE BACKSPLASH
064023.E	1X4 SQUARE EDGE WINDOW CASING	220500.A	PLUMBING FIXTURES - SEE 'P' SHEETS
064023.M	WOOD TRIM - PAINTED	265100.A	INTERIOR LIGHTING - SEE 'E' SHEETS
064023.N	6" WOOD BASEBOARD - PAINTED	265100.B	HIDDEN LED SHELF LIGHTING - SEE 'E' SHEETS
064023.O	BEADBOARD PANEL - PAINTED		
064023.P	WOOD SILL - PAINTED		
064023.Q	WOOD TRIM - STAINED		
064023.R	WOOD PANEL - STAINED		
064023.S	HIDDEN STEEL SUPPORT BRACKET		
064023.T	WOOD FACED TRIM - STAINED		
064023.U	WOOD ADJUSTABLE SHELF - STAINED		
064023.V	MANUFACTURED WOOD CASEWORK - STAINED		
064113.B	BASE CABINET		
064113.D	OPEN SHELVING		
064113.G	WOOD VENEER-FACED TRIM		
064113.H	WOOD VENEER-FACED PANEL		
064116.A	BASE CABINET PLASTIC LAMINATE		
064116.B	WALL CABINET PLASTIC LAMINATE		
064116.C	PLASTIC LAMINATE FIXED SHELVING		
064116.E	PLASTIC LAMINATE DRAWER		
064116.F	ADJUSTIBLE SHELVING		
064116.N	OPEN SHELVING		
064116.S	PLASTIC LAMINATE FILLER PANEL		
064116.X	CABINETRY HARDWARE		
066400.A	FIBERGLASS REINFORCED PANELING		
072100.A	THERMAL INSULATION		
072100.B	FOIL FACED R-19 BATT INSULATION		
072100.C	UNFACED R-19 BATT INSULATION		
072100.D	SAFING INSULATION		
072100.E	1-1/2 IN. RIGID INSULATION		
072100.F	2 IN. RIGID INSULATION		
072100.J	R-21 BATT INSULATION EXT WALLS UNFACED		
072100.L	R-15 BATT INSULATION		
072100.O	TAPERED RIGID INSULATION		
072100.P	2 IN. FOIL-FACED MINERAL WOOL INSULATION		
072600.A	VAPOR BARRIER		
072726.A	FLUID-APPLIED MEMBRANE AIR BARRIERS		
074113.B	POLYISOCYANURATE BOARD INSULATION		
074113.F	THERMAL SPACER		
074113.H	SELF-ADHERING SHEET UNDERLAYMENT		
074113.I	STANDING SEAM METAL ROOF		
074113.O	STANDING SEAM CLIP W/ FASTENERS		
074113.P	COVER BOARD		
074213.A	METAL WALL PANELS		
074213.D	PRE-FINISHED CORRUGATED METAL PANELS		
074600.B	CEMENTITIOUS PLANK SIDING		
074600.C	CEMENTITIOUS TRIM		
074600.P	CEMENTITOUS SHAKE SIDING		
074600.Q	CEMENTITIOUS CLAPBOARD SIDING		
074600.R	CEMENTITIOUS SIDING		
075216.A	STYRENE-BUTADIENE-STYRENE (SBS) MODIFIED BITUMINOUS MEMBRANE ROOFING		
076200.A	SHEET METAL FLASHING AND TRIM		
076200.B	PREFINISHED GUTTER		
076200.C	PREFINISHED DOWNSPOUT		
076200.D	PREFINISHED METAL FLASHING		
076200.E	PREFINISHED METAL FASCIA		
076200.F	PREFINISHED METAL SOFFIT		
076200.H	PREFINISHED TRIM		
076200.O	PREFIN. METAL EXPANSION JOINT ASSEMBLY		
076200.Q	PREFINISHED METAL SILL PAN		
076200.T	PREFINISHED ALUMINUM RIDGECAP		
078443.B	FIRE-RESISTIVE JOINT SEALANT		
078443.C	FIRE-RESISTIVE JOINT SPRAY		
079200.A	JOINT SEALANTS		
079200.B	ELASTOMERIC JOINT SEALANT W PRIMER & BACKER ROD		
079200.C	LATEX JOINT SEALANT		
079200.D	JOINT SEALANT BACKER ROD		
079219.A	ACOUSTICAL JOINT SEALANT		
081113.A	HOLLOW METAL DOORS AND FRAMES		
081113.B	STEEL DOOR		
081113.C	STEEL FRAME		
081113.E	CMU JAMB ANCHOR		
083113.B	EXTERIOR INSULATED 24" X 18" ACCESS DOOR		
084113.A	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS		
084113.B	ALUMINUM FRAMED ENTRANCE DOOR		
084113.D	ALUMINUM FRAMED STOREFRONT WINDOW		
084113.G	ALUMINUM BERMUDA SHUTTERS - PREFINISHED		
087100.B	RAMPED THRESHOLD		
088000.K	3/8" TEMPERED GLASS DOOR		
088000.L	3/8" TEMPERED GLASS ADJUSTABLE SHELF		
089516.B	SMART VENT		
092216.A	NON-STRUCTURAL METAL FRAMING		
092216.B	STEEL FRAMING		
092216.C	3-5/8 IN. METAL STUD		
092216.D	7/8 IN. FURRING CHANNEL		
092216.E	2 IN. METAL STUD		
092216.G	6 IN. METAL STUD		
092216.K	DEFLECTION TRACK		
092216.M	FIRE RATED DEFLECTION TRACK		
092216.O	METAL CHANNEL		
092216.Q	1/2 IN. RESILIENT CHANNEL FURRING		
092400.A	PORTLAND CEMENT PLASTERING		
092400.E	STUCCO CONTROL JOINT		
092400.H	CEMENT STUCCO		
092900.B	5/8 IN. GWB		
092900.C	5/8 IN. TYPE 'X' GWB		
092900.D	5/8 IN. CEMENTITIOUS BACKER UNIT		

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS		

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

ABBREVIATIONS, LEGEND, & CONDOC

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	RML
CHECKED BY	SHC
DATE	01/10/2025
SCALE	As indicated

G101

1/13/2025 8:16:49 AM

VICINITY MAP: NOT TO SCALE

LEGEND

- PROPERTY CORNER FOUND, AS DESCRIBED
- PROPERTY CORNER, SET
- WATER VALVE
- FIRE HYDRANT
- POWER POLE
- TRANSFORMER
- FIBER OPTIC PEDISTAL
- TREE, AS DESCRIBED
- 24" AND LARGER TREE AT DBH, AS DESCRIBED
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- OHP OHP OVERHEAD POWER LINE
- UGP UGP UNDERGROUND POWER LINE
- SS SS SEWER LINE
- W W WATER LINE
- FO FO FIBER OPTIC LINE
- SD SD STORM DRAINAGE LINE
- GAS GAS LINE
- FENCE LINE
- × 8.63 SPOT ELEVATION

REFERENCES:

PLAT BOOK	PAGE
749	4
690	8
921	8
H	9

NAD 83

0 20 40 Feet

1 INCH = 20 FEET

NOTES:

1. ANYTHING SHOWN OUTSIDE THE DEFINED BOUNDARY OF THIS PLAT IS FOR DESCRIPTIVE PURPOSES ONLY.
2. AREA DETERMINED BY COORDINATE (DMD) METHOD.
3. THE PUBLIC RECORDS REFERENCED ON THIS PLAT ARE ONLY THOSE USED AND NECESSARY FOR THE ESTABLISHMENT OF THE BOUNDARY OF THIS PROPERTY. THEY ARE NOT AND DO NOT CONSTITUTE A TITLE SEARCH.
4. BEARINGS ARE BASED ON SOUTH CAROLINA STATE PLANE NAD 83.
5. ELEVATIONS ARE BASED ON NAVD 1988.
6. PROPERTY IS LOCATED IN FLOOD ZONE AE (EL. 9') AS SCALED FROM F.I.R.M. PANEL 45029C 0777G. EFFECTIVE DECEMBER 21, 2017.
7. PROPERTY FLOOD ZONES AND SETBACKS SHOULD BE APPROVED BY THE APPROPRIATE AUTHORITY BEFORE ANY DESIGN OR CONSTRUCTION.
8. THIS PROPERTY MAY BE SUBJECT TO VARIOUS UTILITY EASEMENTS THAT WERE NOT NOTED IN THE REFERENCED PLATS. THE UTILITIES SHOWN HEREON WERE BASED ON SURFACE LOCATIONS AND WERE NOT VERIFIED AS TO DEPTH, SIZE, OR MATERIAL. THIS SURVEY DOES NOT SHOW SUBTERRANEAN CONDITIONS.

STATE OF SOUTH CAROLINA — PROFESSIONAL LAND SURVEYOR — No.28597 — PHILIP R. BRYAN JR.

SOUTH CAROLINA — SOUTHEASTERN LAND SURVEYING LLC — CERTIFICATE OF AUTHORIZATION — C04558

	BY	DESCRIPTION	DATE	NO.

SOUTHEASTERN LAND SURVEYING LLC
1035-B JENKINS ROAD
CHARLESTON SC 29407
(843)795-9330

A TOPOGRAPHICAL SURVEY OF A PORTION OF TMS #354-12-00-213, #-250, #-345, #-357-354, #-038 OWNED BY MULTIPLE OWNERS LOCATED IN THE TOWN OF EDISTO BEACH COLLETON COUNTY, SOUTH CAROLINA

DATE:	MARCH 03, 2023
DRAWN:	M. SCHMIEDER
CHECK:	P. BRYAN
CC:	S. STACKS
JOB:	23013
DWG:	23013TOPO
SHEET:	1 OF 1

STATE OF SOUTH CAROLINA — CAPLEA COE ARCHITECTS, INC — CHARLESTON — B-78022 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — STEVEN HARLEY COE — REG. NO. 5073 — REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS		

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

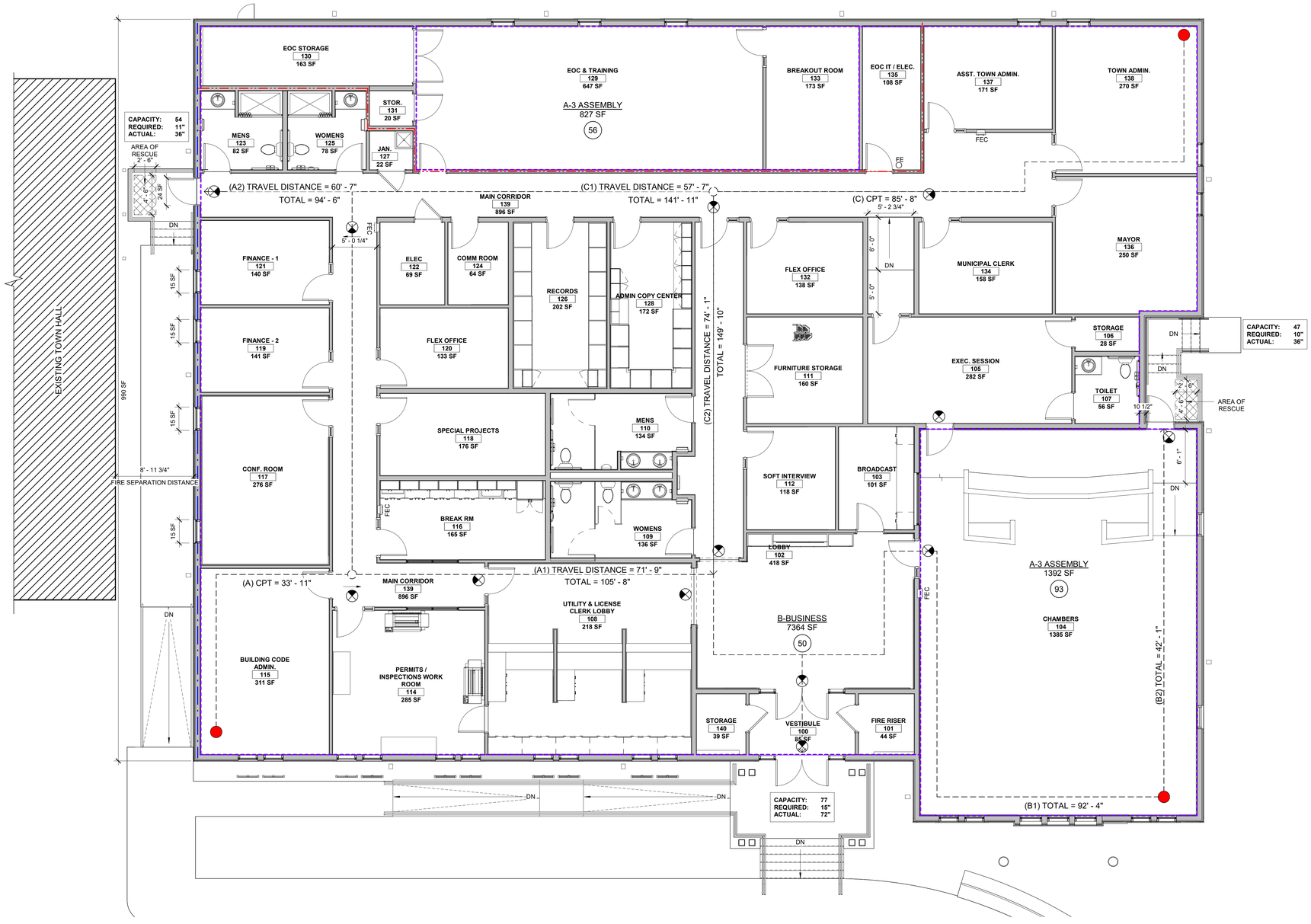
SURVEY

SHEET NAME

PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE

SV100

1/13/2025 8:16:52 AM



F1 / LS100 LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

SEALS

NOTES:

LEGEND

- EGRESS WIDTH { CAPACITY = NO. OF OCCUPANTS TO BE ACCOMMODATED; REQ'D = REQUIRED EXIT WIDTH IN INCHES; ACTUAL = ACTUAL EXIT WIDTH IN INCHES
- SCBC 2021 AREA BOUNDARY
- PATH OR TRAVEL/DISTANCE TO EXIT
- (#) NO. OF AREA OCCUPANTS
- 1-HR WALL
- 2-HR WALL
- EXIT SIGN
- FE FIRE EXTINGUISHER
- FEC FIRE EXTINGUISHER CABINET

TOTAL SQ. FT. = 9,403

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

FIRST FLOOR LIFE SAFETY PLAN

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	GLP
CHECKED BY	Approver
DATE	01/10/2025
SCALE	As indicated

LS100

1/13/2025 8:16:51 AM

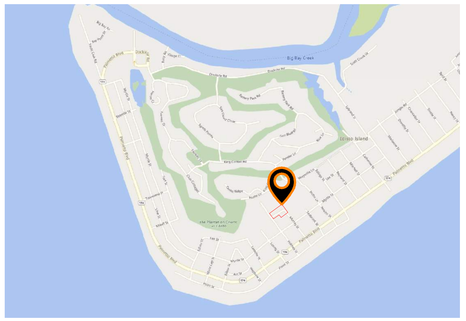
EDISTO BEACH TOWN HALL

TOWN OF EDISTO, SOUTH CAROLINA

TMS# 354-12-00-213, TMS# 354-12-00-038

CONSTRUCTION DOCUMENTS
DATE: DEC. 16, 2024

SITE LOCATION MAP



PROJECT DESCRIPTION

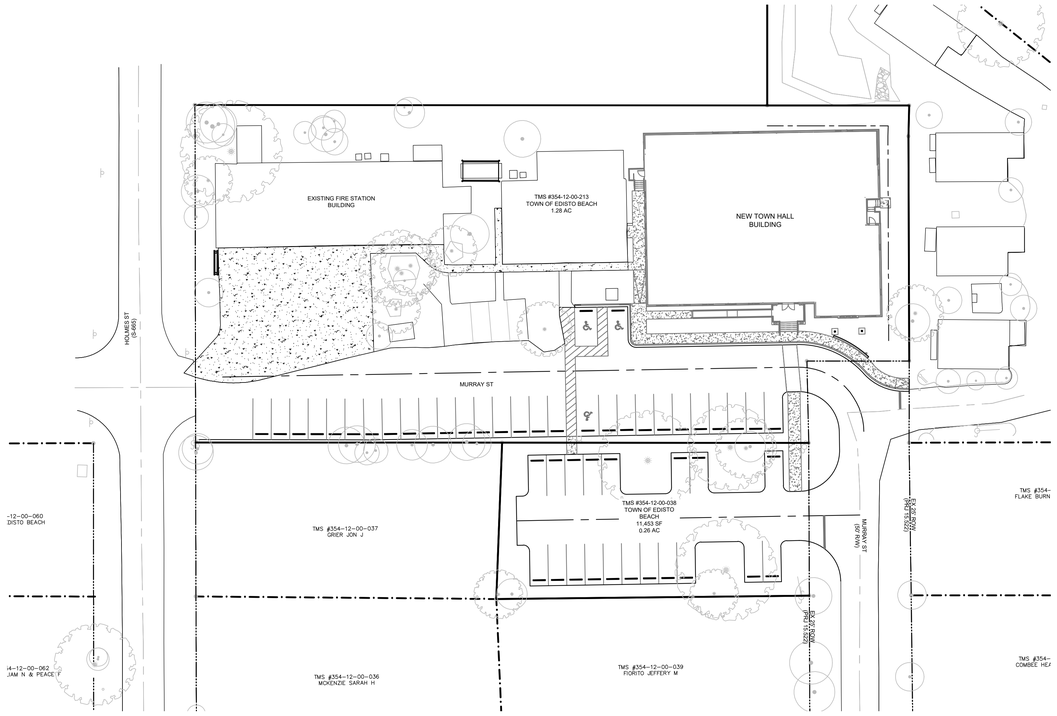
THIS PROJECT SITE IS LOCATED ON MURRAY STREET IN THE TOWN OF EDISTO BEACH AND INCLUDES TMS# 354-12-00-213, 354-12-00-038. OWNED BY THE TOWN OF EDISTO BEACH. THE EXISTING SITE INCLUDES AN EXISTING TOWN HALL, FIRE DEPARTMENT, AND A "FOR RENT" BUILDING.

THE PROPOSED DEVELOPMENT INCLUDES A NEW TOWN HALL BUILDING AND PARKING LOT FOR THE TOWN OF EDISTO ADJACENT TO THE EXISTING TOWN HALL.

GENERAL NOTES

1. BOUNDARY, TREE, AND TOPOGRAPHIC INFORMATION PROVIDED BY SOUTHEASTERN LAND SURVEYING LLC, DATED MARCH 3, 2023.
2. PER SURVEY, ALL ELEVATIONS ARE BASED ON A NAVD 1988 VERTICAL DATUM. HORIZONTAL DATUM IS STATE PLANE NAD 1983 (NAD 83).
3. BASED ON INFORMATION PROVIDED ON THE INDICATED FIRM MAP, THE PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE 'AE (EL. 9)' , SEE COMMUNITY PANELS 45029C0777G, DATED DECEMBER 21, 2017.
4. EXISTING UTILITIES WARNING: THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION. ALL DIMENSIONS ARE MEASURED FROM FACE OF CURB OR EDGE OF ASPHALT, WITH THE EXCEPTION OF SIDEWALKS, WHICH ARE MEASURED FROM BACK OF CURB.
5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PERIMETER BOUNDARY PROPERTY CORNERS AND VERIFYING BOUNDARY DATA AGAINST CONSTRUCTION PLANS AND/OR ELECTRONIC FILE INFORMATION PROVIDED TO THE CONTRACTOR.
6. PRIOR TO STARTING CONSTRUCTION, INCLUDING LAND DISTURBING ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.

SITE OVERVIEW



SHEET TABLE		
Sheet Number	Sheet Title	12/16/24
C100	TITLE SHEET	0
C101	LEGEND & REVISION NOTES	0
C102	EXISTING CONDITIONS	0
C200	TREE REMOVAL & SITE DEMO PLAN	0
C300	SWPP PLAN	0
C301	SWPPP NOTES	0
C302	SWPPP DETAILS	0
C303	SWPPP DETAILS	0
C400	SITE LAYOUT PLAN	0
C500	GRADING & DRAINAGE PLAN	0
C501	DRAINAGE PROFILES	0
C600	SEWER & WATER PLAN	0
C700	SEWER & WATER DETAILS	0
C701	SEWER & WATER DETAILS	0
C800	SITE INFRASTRUCTURE DETAILS	0
C801	SITE INFRASTRUCTURE DETAILS	0
C802	SITE INFRASTRUCTURE DETAILS	0
C900	CULTEC COVER SHEET	0
C901	CULTEC SYSTEM LAYOUT	0
C902	CULTEC SYSTEM CALCULATION	0
C903	CULTEC SYSTEM OVERLAY	0
C904	CULTEC SYSTEM DETAILS	0
C1000	FIRE LINE SWPPP	0
C1001	FIRE LINE SWPPP NOTES	0
C1002	FIRE LINE SWPPP DETAILS	0
C1100	FIRE LINE WATER & PROFILE PLAN	0
C1101	FIRE LINE SITE DETAILS	0
L100	LANDSCAPE PLAN	0
IR100	IRRIGATION PLAN	0
IR200	IRRIGATION DETAIL PLAN	0

PROJECT CONTACTS

ARCHITECTS:
CAPLEA COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
CONTACT: NATE BOYKIN
PHONE: 843-577-6073

CIVIL ENGINEER & LANDSCAPE ARCHITECT:
SEAMON WHITESIDE & ASSOCIATES, LLC
712 N. CEDAR ST.
SUMMERVILLE, SC, 29483
CONTACT: AARON SCHMITT, P.E.
PHONE: 843-972-0710

SURVEYOR:
SOUTHEASTERN LAND SURVEYING LLC
1035-B JENKINS ROAD
CHARLESTON, SC 29407
CONTACT: PHILIP BRYAN JR.
PHONE: 843-795-9330

OWNER
TOWN OF EDISTO BEACH
2414 MURRAY STREET
EDISTO BEACH, SC 29438
CONTACT: MARK AAKHUS
PHONE: 843-549-2211

UTILITY CONTACTS:
TOWN OF EDISTO BEACH UTILITY DEPARTMENT
2414 MURRAY STREET
EDISTO BEACH, SC 29438
CONTACT: PATRICK ZEMP
PHONE: 843-869-2505 X 201

MUNICIPALITY CONTACTS:
TOWN OF EDISTO BEACH
2414 MURRAY STREET
EDISTO BEACH, SC 29438
CONTACT: PATRICK BROWN
PHONE: 843-549-2211

0 15 30 60
SCALE: 1" = 30'

N W E S

Know what's below. Call before you dig.

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

INFORMATION SHEET

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C100

1/7/2025 10:16 AM

DRAWING LEGEND

NOTE: THIS LEGEND DOES NOT APPLY TO 'EXISTING CONDITIONS' SHEET(S). THOSE ARE SHOWN IN THE ORIGINAL FORMAT AS RECEIVED BY THE SURVEYOR

OBJECTS AND SYMBOLS	EXISTING	NEW
Right of Way		
Lot Line		
Adjoining Property Line		N/A
Centerline		(Same as Existing)
Easement		
Setback		(Same as Existing)
Sanitary Sewer (Gravity)	ES	S
Sanitary Sewer (Force Main)	EFM	FM
Water Line	EW	W
Curb & Gutter (Straight)		
Curb & Gutter (Roll)		
Previous Phase Storm Drain Pipe	(Width varies with size)	N/A
Storm Drain Pipe	ED	(Width varies with size)
Drainage Flow Arrow	N/A	
Roof Drain	ERD	RD
Subsurface Drainage	EUD	UD
Silt Fence, Standard	ESF	SF
Silt Fence, Reinforced	ERSF	RSF
Phase Line	N/A	
Drainage Basin Limits	N/A	
Flood Zone	ZONE 'X' ZONE 'AE'	N/A
Conduit	EC	C
Natural Gas	EG	G
Overhead Electrical	EP	P
Underground Electrical	EUP	UP
Underground Telephone	ET	T
Underground Cable	ETV	TV
Underground Fiber Optic	ETO	FO
Fence	X	X
Elevation Contour	22	22
Revision Cloud (Encloses Revision)	N/A	

OBJECTS AND SYMBOLS	EXISTING	NEW
Benchmark		N/A
Sanitary Sewer Manhole		
Sanitary Sewer Manhole ID #	N/A	
Sanitary Sewer Cleanout		
Double Sanitary Sewer Service (Residential Only)		
Single Sanitary Sewer Service (Residential Only)		
TYPE 1 Storm Drainage Structure (CI-1)		
TYPE 16 Storm Drainage Structure (CI-16)		
TYPE 17 Storm Drainage Structure (Right) (CI-17)		
TYPE 17 Storm Drainage Structure (Left) (CI-17)		
TYPE 18 Storm Drainage Structure(CI-18)		
Catch Basin (CB)		
Isolation Box (IB)		IB
Storm Drainage Junction Box (JB)		
Yard Inlet (YI)		
Control Structure (CS)		
Storm Drainage Structure ID #	N/A	
Telephone Box		N/A
Telephone Manhole		N/A
Electrical Box		N/A
Electrical Manhole		N/A
Power Pole		
Light Pole		
Fire Hydrant Assembly		FH
Water Blowoff		
Water Line Bends, Angle Varies		N/A
Water Line Valve		
Water Line Reducer		
Single Water Service (Residential Only)		
Double Water Service (Residential Only)		
Sign		
ADA Accessible Parking Space		
Spot Elevation	X.XX	X.XX
Drainage Basin Area	N/A	X.XXAc
Keynote	N/A	
Parking Count ID #	N/A	12
Lot #	N/A	144
Revision ID #	N/A	1
Rip Rap at Pipe Outlet	N/A	

ABBREVIATIONS	EXISTING	NEW
Sewer Easement	Ex. S.E.	S.E.
Storm Easement	Ex. W.E.	W.E.
Drainage Easement	Ex. D.E.	D.E.
General Utility Easement	Ex. G.U.E.	G.U.E.
Access Easement	Ex. A.E.	A.E.
Ingress/Egress Easement	Ex. I/E E.	I/E E
Pond Maintenance Easement	Ex. P.M.E.	P.M.E.
Water Surface Elevation	Ex. W.S.E.	W.S.E.
Polyvinyl Chloride Pipe	Ex. PVC	PVC
Reinforced Concrete Pipe	Ex. RCP	RCP
High Density Corrugated Polyethylene Pipe	Ex. HDPE	HDPE
Ductile Iron Pipe	Ex. DIP	DIP
Corrugated Metal Pipe	Ex. CMP	CMP
Home Owner's Association	Ex. HOA	HOA
Property Owners Association	Ex. POA	POA

HATCH PATTERNS

- Freshwater Wetland
- Freshwater Wetland Buffer
- Saltwater Marsh
- Saltwater Marsh Buffer
- Limits of Disturbance
- Area Previously Cleared Included in Limits of Disturbance
- Area to be Permanently Stabilized

SWPP PLAN LEGEND	
Turf Reinforcement Mat	TR
Sodding (See Turf and Grasses Specs)	S
Surface Roughening	SR
Temporary Seeding (See Schedule in EC Notes)	TS
Permanent Seeding (See Turf and Grasses Species)	PS
Mulching (See Turf and Grasses Species)	M
Typical Lot Erosion Control Plan	LE
Flexible Growth Medium (See Turf and Grasses Species)	FG
Erosion Control Blanket (See Turf and Grasses Species)	EC
Dust Control	DC
Bonded Fiber Matrix (See Turf and Grasses Species)	BF
Concrete Washout Basin	CW
Portable Toilet	PT
Block & Stone Inlet Protection	
Temp. Sediment Control Tube (See Tube)	
Temp. Rock Ditch Checks	
Turf Reinforcement Mat Outlet Protection (and Turf and Grasses Specs)	
Filter Fabric Inlet Protection	
Temp. Curb Inlet Weep Filter	
Curb Inlet Sediment Filter	
Both Curb Inlet Filters (See Above)	
Construction Entrance	
Dandy Sack or Grate Gator Inlet Protection	

REVISION 0
REASON: CONSTRUCTION DOCUMENTS
DATE: 12/16/2024

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

	0	12/16/24
REVISIONS		

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA|COE ARCHITECTS

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

SHEET NAME: LEGEND & REVISION NOTES

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C101

1/7/2025 10:16 AM

NO.	DATE	DESCRIPTION	BY

SOUTHEASTERN
LAND SURVEYING LLC
1035-B JENKINS ROAD
CHARLESTON SC 29407
(843)795-8330

A TOPOGRAPHICAL SURVEY OF A PORTION OF TMS #354-12-00-213, #-250, #-345, #-357-354, #-038 OWNED BY MULTIPLE OWNERS LOCATED IN THE TOWN OF EDISTO BEACH COLLETON COUNTY, SOUTH CAROLINA

VICINITY MAP: NOT TO SCALE

LEGEND

- PROPERTY CORNER FOUND, AS DESCRIBED
- PROPERTY CORNER, SET
- WATER VALVE
- FIRE HYDRANT
- POWER POLE
- TRANSFORMER
- FIBER OPTIC PEDISTAL
- TREE, AS DESCRIBED
- 24" AND LARGER TREE AT DBH, AS DESCRIBED
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- OVERHEAD POWER LINE
- UNDERGROUND POWER LINE
- SEWER LINE
- WATER LINE
- FIBER OPTIC LINE
- STORM DRAINAGE LINE
- GAS LINE
- FENCE LINE
- SPOT ELEVATION

REFERENCES:

PLAT BOOK	PAGE
749	4
690	8
921	8
H	9

NAD 83

0 20 40 Feet

1 INCH = 20 FEET

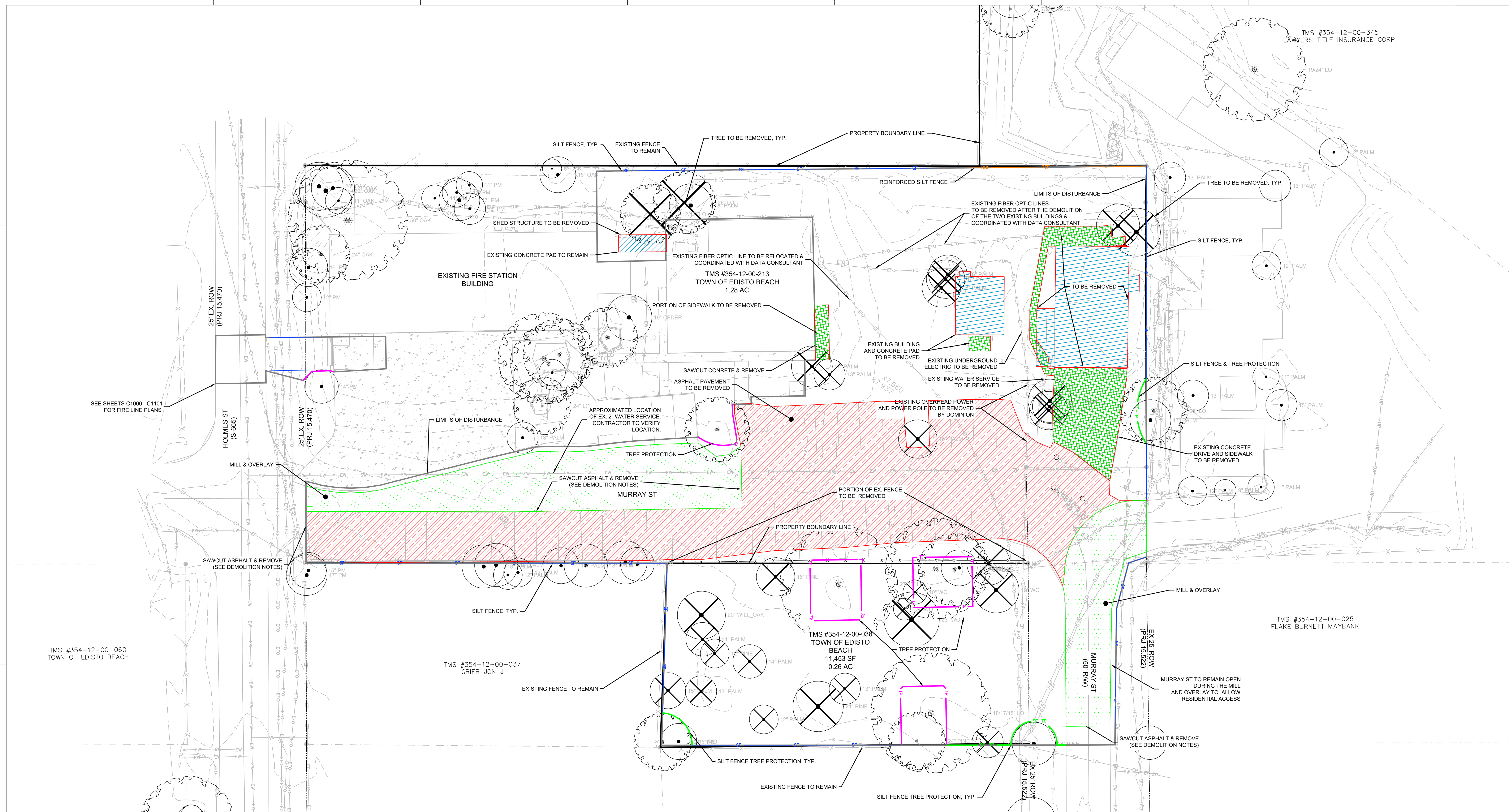
NOTES:

1. ANYTHING SHOWN OUTSIDE THE DEFINED BOUNDARY OF THIS PLAT IS FOR DESCRIPTIVE PURPOSES ONLY.
2. AREA DETERMINED BY COORDINATE (DMD) METHOD.
3. THE PUBLIC RECORDS REFERENCED ON THIS PLAT ARE ONLY THOSE USED AND NECESSARY FOR THE ESTABLISHMENT OF THE BOUNDARY OF THIS PROPERTY. THEY ARE NOT AND DO NOT CONSTITUTE A TITLE SEARCH.
4. BEARINGS ARE BASED ON SOUTH CAROLINA STATE PLANE NAD 83.
5. ELEVATIONS ARE BASED ON NAVD 1988.
6. PROPERTY IS LOCATED IN FLOOD ZONE AE (EL. 9') AS SCALED FROM F.I.R.M. PANEL 45029C 0777G. EFFECTIVE DECEMBER 21, 2017.
7. PROPERTY FLOOD ZONES AND SETBACKS SHOULD BE APPROVED BY THE APPROPRIATE AUTHORITY BEFORE ANY DESIGN OR CONSTRUCTION.
8. THIS PROPERTY MAY BE SUBJECT TO VARIOUS UTILITY EASEMENTS THAT WERE NOT NOTED IN THE REFERENCED PLATS. THE UTILITIES SHOWN HEREON WERE BASED ON SURFACE LOCATIONS AND WERE NOT VERIFIED AS TO DEPTH, SIZE, OR MATERIAL. THIS SURVEY DOES NOT SHOW SUBTERRANEAN CONDITIONS.

SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR PHILIP R. BRYAN JR. No.28597

SOUTH CAROLINA SOUTHEASTERN LAND SURVEYING LLC CERTIFICATE OF AUTHORIZATION C04554

DATE:	MARCH 03, 2023
DRAWN:	M. SCHMIEDER
CHECK:	P. BRYAN
CC:	S. STACKS
JOB:	23013
DWG:	23013TOPO
SHEET:	1 OF 1



LINETYPE LEGEND

(grey bar)	LIMITS OF DISTURBANCE
SF-TP	SILT FENCE - TREE PROTECTION
TP	TREE PROTECTION
RSF	REINFORCED SILT FENCE
SF	SILT FENCE

HATCH DENOTES 11,846 SF OF ASPHALT PAVEMENT TO BE REMOVED

HATCH DENOTES 1705.5 SF OF EXISTING CONCRETE TO BE REMOVED

HATCH DENOTES EXISTING BUILDINGS AND FOUNDATIONS TO BE REMOVED

HATCH DENOTES MILL & OVERLAY

TREE ABBREVIATIONS

A	=	ASH
BW	=	BASSWOOD
BG	=	BLACK GUM
BIR	=	BIRCH
BP	=	BRADFORD PEAR
CDR	=	CEDAR
CH	=	CHERRY
CHT	=	CHESTNUT
CM	=	CREPE MYRTLE
CY	=	CYPRESS
E	=	ELM
G	=	GUM
HB	=	HACKBERRY
H	=	HICKORY
LA	=	LAUREL OAK
LO	=	LIVE OAK
LQ	=	LOQUAT
MAG	=	MAGNOLIA
M	=	MAPLE
O	=	OAK
PE	=	PECAN
PN	=	PINE
PO	=	POPLAR
RO	=	RED OAK
SYC	=	SYCAMORE
T	=	TALLOW
WO	=	WATER OAK
WM	=	WAX MYRTLE
WILO	=	WILLOW OAK
WHO	=	WHITE OAK

NOTE:
1. ALL HISTORIC GRAND TREES (TO REMAIN), IN WHICH THE ROOT ZONE IS TO BE ENCROACHED UPON, MUST BE EVALUATED BY A CERTIFIED ARBORIST. TREES SHALL BE PRUNED, MULCHED AND FERTILIZED AS DEEMED NECESSARY BY ARBORIST.
3. ALL TREES IN PROTECTIVE ZONES TO REMAIN UNDISTURBED. MINOR HAND GRADING AND CLEARING ALLOWED IN THESE ZONES.
4. TREE SURVEY ONLY SHOWS TREES 8" AND LARGER.
5. THERE SHALL BE NO BURNING ON SITE.
6. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO LAND DISTURBANCE ACTIVITIES.

TREE MITIGATION

HISTORIC TREE REMOVAL:

12/13 LIVE OAK
26 LIVE OAK

MITIGATION REQUIRED/PROVIDED: 2 TREES X 3" DBH
*SEE SHEET L100 FOR LANDSCAPE PLAN

TREE LEGEND

HISTORIC GRAND TREE TO REMAIN-UNRATED

HISTORIC GRAND TREE TO BE REMOVED- UNRATED

SIGNIFICANT TREE TO REMAIN-UNRATED

SIGNIFICANT TREE TO BE REMOVED-UNRATED

NOTE: SIZE OF TREE SYMBOL REPRESENT TREE PROTECTION ZONES OF 1-FOOT DIAMETER FOR EACH INCH DBH MEASUREMENT.

LAND DISTURBANCE	
	TOTAL
AREA OF LAND DISTURBANCE	1.60 AC

DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING CONSTRUCTION SAFETY FENCING.
2. THE CONTRACTOR SHALL VERIFY ALL ITEMS TO BE DEMOLISHED AND REMOVED FROM THE PROJECT SITE, ALL ITEMS REQUIRING DEMOLITION/REMOVAL, WHETHER SHOWN ON THIS PLAN OR NOT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL SITE DEMOLITION SHALL OBTAIN ALL APPLICABLE DEMOLITION PERMITS AND CONFORM TO APPLICABLE STATE AND LOCAL CODES.
4. THERE SHALL BE NO BURNING ON THE SITE.
5. ALL EXISTING STRUCTURES AND RELATED SLABS, FOOTINGS, FOUNDATIONS, STEPS, ETC. DESIGNATED "DEMO" OR "REMOVE" ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF ACCORDING TO APPLICABLE REGULATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE UTILITIES, INCLUDING MECHANICAL AND FIRE PROTECTION EQUIPMENT.
7. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION (SEE SHEETS C300 & C301).
8. IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE AGENCIES FOR PROPER REMOVAL AND DISPOSAL.
9. ALL AREAS DISTURBED BY CONSTRUCTION (WITH THE EXCEPTION OF AREAS INDICATED TO BE A HARD SURFACE, OR LANDSCAPED/SODDED) SHALL BE HYDROSEEDED AND SOD (SEE SPECS).
10. THE CONTRACTOR SHALL VERIFY THAT CONFLICTS DO NOT EXIST BETWEEN EXISTING AND NEW UTILITIES PRIOR TO BEGINNING WORK. REQUEST INSTRUCTION FROM ENGINEER IF CONFLICTS ARE FOUND TO EXIST.
11. ALL PAVEMENT MARKINGS DAMAGED DUE TO CONSTRUCTION WITHIN THE SCDOT RIGHT-OF-WAY MUST BE REPAIRED FOR THE FULL EXTENT OF THE ROADWAY ADJACENT TO THE PROJECT. REPAIRS OF DAMAGED AREA ONLY WILL NOT BE ALLOWED
12. DRIVEWAY CONNECTION WILL REQUIRE REMOVAL OF EXISTING ASPHALT SHOULDER TO THE WHITE EDGE LINE OF MURRAY ST. PROVIDE STRAIGHT AND EVEN CUT WITH FULL DEPTH REMOVAL OF ASPHALT. SAWED EDGE WILL REQUIRE TACK COAT AT JOINT WITH CONNECTING NEW ASPHALT DRIVEWAY. WHERE ANY PORTION OF THE ADJACENT SCDOT TRAVEL LANE SURFACE IS DAMAGED OR SAW-CUT, THE FULL WIDTH OF LANE MUST BE MILLED 2" AND RESURFACED (PER SCDOT SPECIFICATIONS) FOR THE LENGTH OF THE DAMAGE PLUS 10 FEET AT EACH END.

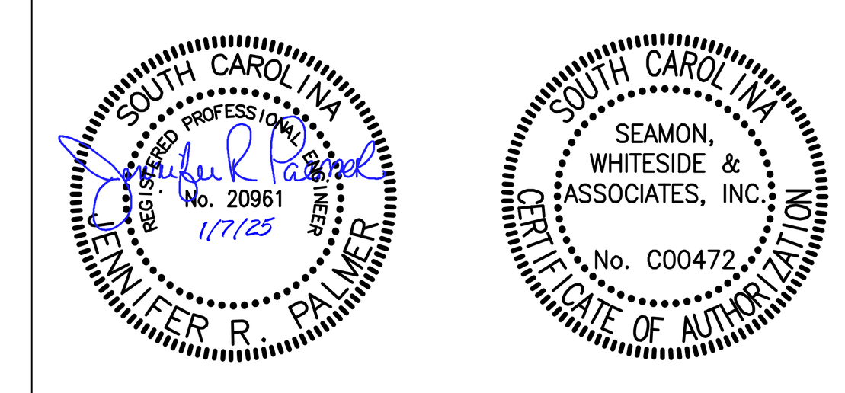
EXISTING FACILITIES AND CONSTRUCTION SEQUENCING NOTE:
THE EXISTING PARKING AND BUILDINGS ON SITE WILL REMAIN OCCUPIED AND IN OPERATION DURING THE DURATION OF THE PROJECT. ADA PARKING MUST BE AVAILABLE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER AND ARCHITECT TO DEVELOP A CONSTRUCTION STAGING AND SEQUENCING PLAN FOR THE PROJECT. THE PLAN MUST BE SUBMITTED TO THE OWNER AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF ONSITE ACTIVITIES AND SHALL BE COORDINATED AND UPDATED REGULARLY DURING THE COURSE OF CONSTRUCTION. ITEMS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
1. CONTRACTOR PARKING
2. CONTRACTOR'S CONSTRUCTION TRAILER LOCATION
3. CONSTRUCTION LAYDOWN AND DELIVERY AREA(S)
4. TEMPORARY CONSTRUCTION SAFETY FENCING
5. CONSTRUCTION SEQUENCING INCLUDING DEMOLITION, EXISTING UTILITY DISRUPTIONS, NEW VERTICAL CONSTRUCTION AND ALL SITE IMPROVEMENTS

Know what's below. Call before you dig.

0 10 20 40
SCALE: 1" = 20'

EXISTING UTILITY NOTE:

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.



SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
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	0	12/16/24
REVISIONS		

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

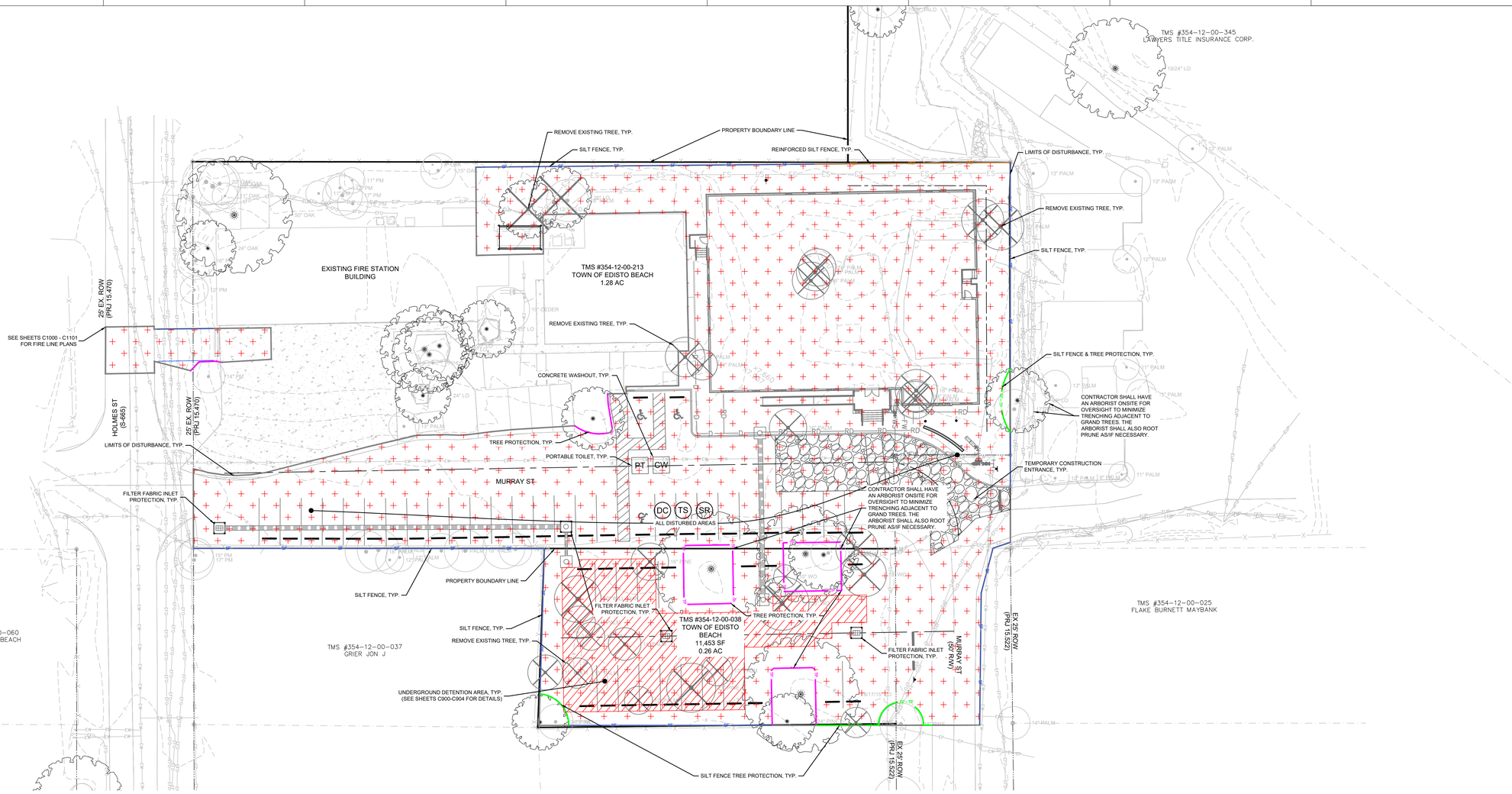
TREE REMOVAL & SITE DEMO PLAN

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C200

1/7/2025 10:16 AM



LINETYPE LEGEND

- LIMITS OF DISTURBANCE
- SF – TP – SILT FENCE - TREE PROTECTION
- TP – TREE PROTECTION
- RSF – RSF – REINFORCED SILT FENCE
- SF – SILT FENCE
- HATCH DENOTES DISTURBED AREA
- HATCH DENOTES UNDERGROUND DETENTION AREA

TREE ABBREVIATIONS

A	=	ASH
BW	=	BASSWOOD
BG	=	BLACK GUM
BIR	=	BIRCH
BP	=	BRADFORD PEAR
CDR	=	CEDAR
CH	=	CHERRY
CHT	=	CHESTNUT
CM	=	CREPE MYRTLE
CY	=	CYPRESS
E	=	ELM
G	=	GUM
HB	=	HACKBERRY
H	=	HICKORY
LA	=	LAUREL OAK
LO	=	LIVE OAK
LQ	=	LOQUAT
MAG	=	MAGNOLIA
M	=	MAPLE
O	=	OAK
PE	=	PECAN
PN	=	PINE
PO	=	POPLAR
RO	=	RED OAK
SYC	=	SYCAMORE
T	=	TALLOW
WO	=	WATER OAK
WM	=	WAX MYRTLE
WILO	=	WILLOW OAK
WHO	=	WHITE OAK

NOTE:
1. ALL HISTORIC GRAND TREES (TO REMAIN), IN WHICH THE ROOT ZONE IS TO BE ENCROACHED UPON, MUST BE EVALUATED BY A CERTIFIED ARBORIST. TREES SHALL BE PRUNED, MULCHED AND FERTILIZED AS DEEMED NECESSARY BY ARBORIST.
3. ALL TREES IN PROTECTIVE ZONES TO REMAIN UNDISTURBED. MINOR HAND GRADING AND CLEARING ALLOWED IN THESE ZONES.
4. TREE SURVEY ONLY SHOWS TREES 8" AND LARGER.
5. THERE SHALL BE NO BURNING ON SITE.
6. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO LAND DISTURBANCE ACTIVITIES.

TREE LEGEND

- GRAND TREE TO REMAIN-UNRATED
- GRAND TREE TO BE REMOVED- UNRATED
- SIGNIFICANT TREE TO REMAIN-UNRATED
- SIGNIFICANT TREE TO BE REMOVED-UNRATED

NOTE: SIZE OF TREE SYMBOL REPRESENT TREE PROTECTION ZONES OF 1-FOOT DIAMETER FOR EACH INCH DBH MEASUREMENT.

LAND DISTURBANCE	
	TOTAL
AREA OF LAND DISTURBANCE	1.60 AC

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHIC WORK AND EXISTING UTILITY LINE LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING WORK. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES ON THE DRAWINGS PRIOR TO BEGINNING WORK OR DURING CONSTRUCTION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
2. THE CONTRACTOR SHALL MAINTAIN AND BE SOLELY RESPONSIBLE FOR JOBSITE SAFETY.
3. ALL PERIMETER BMP's SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF DEMOLITION CLEARING OR CONSTRUCTION ACTIVITIES.
4. NO CLEARING SHALL TAKE PLACE OUTSIDE OF THE LIMITS OF DISTURBANCE.
5. ALL SEDIMENT AND EROSION CONTROL BMP'S ARE TO REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ACHIEVED AND REMOVAL IS DIRECTED BY ENGINEER UNLESS OTHERWISE NOTED.
6. SEE SHEET C200 FOR DEMOLITION PLAN. SEE SHEET C101 FOR LEGEND & C301-C302 FOR SWPPP NOTES AND DETAILS.
7. ALL DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION. SEE SHEETS L100 FOR FINAL STABILIZATION PLANTING PLAN.
8. DANDY SACK OR APPROVED EQUAL IS TO BE INSTALLED IN ALL CATCH BASINS AFTER ROCK OR PAVEMENT IS INSTALLED ADJACENT TO THE CATCH BASIN.
9. CONTRACTOR SHALL REMOVE ALL SILT FENCE, INLET PROTECTION & TREE PROTECTION ONCE FINAL STABILIZATION IS ACHIEVED AND APPROVED BY AUTHORITIES HAVING JURISDICTION.

EXISTING FACILITIES AND CONSTRUCTION SEQUENCING NOTE:
THE EXISTING PARKING AND BUILDINGS ON SITE WILL REMAIN OCCUPIED AND IN OPERATION DURING THE DURATION OF THE PROJECT. ADA PARKING MUST BE AVAILABLE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER AND ARCHITECT TO DEVELOP A CONSTRUCTION STAGING AND SEQUENCING PLAN FOR THE PROJECT. THE PLAN MUST BE SUBMITTED TO THE OWNER, ARCHITECT, AND PROGRAM MANAGER FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF ONSITE ACTIVITIES AND SHALL BE COORDINATED AND UPDATED REGULARLY DURING THE COURSE OF CONSTRUCTION. ITEMS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
1. CONTRACTOR PARKING
2. CONTRACTOR'S CONSTRUCTION TRAILER LOCATION
3. CONSTRUCTION LAYDOWN AND DELIVERY AREA(S)
4. TEMPORARY CONSTRUCTION SAFETY FENCING
5. CONSTRUCTION SEQUENCING INCLUDING DEMOLITION, EXISTING UTILITY DISRUPTIONS, NEW VERTICAL CONSTRUCTION AND ALL SITE IMPROVEMENTS

Know what's below. Call before you dig.

EXISTING UTILITY NOTE:

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

N W E S

0 10 20 40
SCALE: 1" = 20'

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER Jennifer R. Palmer No. 20961 1/7/25 JENNIFER R. PALMER

SOUTH CAROLINA SEAMON, WHITESIDE & ASSOCIATES, INC. No. C00472 CERTIFICATE OF AUTHORIZATION

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC 843.884.1667
GREENVILLE, SC 864.298.0534
SUMMERVILLE, SC 843.972.0710
SPARTANBURG, SC 864.272.1272
CHARLOTTE, NC 980.312.5450
RALEIGH, NC 980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

SWPP PLAN

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C300

1/7/2025 10:16 AM

DRAINAGE FACILITIES MAINTENANCE PLAN

1. TEMPORARY STORMWATER AND SEDIMENT CONTROLS (SSC'S):
   - A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
     - I. DURING CONSTRUCTION (UNTIL FINAL APPROVAL BY THE AUTHORITIES HAVING JURISDICTION AND THE OWNER):
       - (1) DAILY:
         - (A) OBSERVING PAVED AREAS THAT ARE UTILIZED FOR SITE ACCESS TO LOOK FOR SIGNS OF SOIL BEING TRACKED FROM THE SITE AND TAKING CORRECTIVE ACTION AS NECESSARY (SEE NOTE #6 UNDER "STORMWATER AND SEDIMENT CONTROL").
         - (B) CORRECTING ANY DAMAGE TO SSC'S AS SOON AS POSSIBLE WHEN IT OCCURS.
       - (2) WEEKLY (SEE NOTE #3 UNDER "STORMWATER AND SEDIMENT CONTROL"-CONTRACTOR SHALL COORDINATE WITH ENGINEER TO CONFIRM THAT ARRANGEMENTS ARE IN PLACE FOR REQUIRED INSPECTIONS AND LOG MANAGEMENT):
         - (A) INSPECTING SSC'S FOR DAMAGE AND ACCUMULATED SEDIMENT. REMOVING SEDIMENT AND REPAIRING OR REPLACING DAMAGED SSC'S AS NECESSARY.
         - (B) EVALUATING PERFORMANCE AND AMENDING, MODIFYING, IMPROVING, OR RELOCATING SSC'S AS NECESSARY.
         - (C) LOGGING INSPECTION OBSERVATIONS, RECOMMENDATIONS, REPAIRS, RELOCATIONS, AMENDMENTS, AND IMPROVEMENTS AS NECESSARY.
       - (3) BI-WEEKLY:
         - (A) EVALUATING SITE AND INSTALLING PERMANENT LANDSCAPING OR TEMPORARY SEEDING AS NECESSARY.
     - II. AT COMPLETION OF CONSTRUCTION (UPON FINAL APPROVAL BY AUTHORITIES HAVING JURISDICTION AND THE OWNER) REMOVAL OF ALL TEMPORARY SSC'S.

2. UNDERGROUND DETENTION AND OUTFALL
   - A. DURING CONSTRUCTION (UNTIL FINAL APPROVAL BY THE AUTHORITIES HAVING JURISDICTION AND THE OWNER):
     - I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
       - (1) REMOVING ACCUMULATED SEDIMENT.
       - (2) SEE C900-C904 FOR CULTEC MAINTENANCE PLAN.
   - B. AFTER CONSTRUCTION:
     - I. THE OWNER OR HIS ASSIGNS SHALL BE RESPONSIBLE FOR PERPETUAL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
       - (1) MONTHLY (BI-WEEKLY):
       - (2) EVERY 6 MONTHS:
         - (A) INSPECTION OF THE UNDERGROUND DETENTION AND ASSOCIATED OUTLET STRUCTURE(S).
         - (B) REMOVAL OF ANY BLOCKAGES AND ACCUMULATED DEBRIS AT THE OUTLET STRUCTURE(S).
         - (C) REPAIR OR REPLACEMENT OF ANY DAMAGE TO THE OUTLET STRUCTURE(S).
       - (3) EVERY 12 MONTHS:
         - (A) TREATMENT, AS NECESSARY, FOR AQUATIC WEED CONTROL.
       - (4) EVERY 5 YEARS:
         - (A) INSPECTION OF SEDIMENT COLLECTION AND WHEN NECESSARY, REMOVAL AND PROPER DISPOSAL OF ACCUMULATED SEDIMENT. REMOVAL OF COLLECTED SEDIMENT IS NECESSARY WHEN THE DRAINAGE FLOW OF INLET/OUTLET PIPES OR STRUCTURES ARE IMPAIRED AND/OR DETENTION STORAGE CAPACITY IS REDUCED FROM THE ORIGINAL DESIGN PARAMETERS.
         - (B) MORE FREQUENT REMOVAL OF COLLECTED SEDIMENT MAY BE NECESSARY WHEN CONDITIONS REQUIRE.
     - I. THE OWNER OR HIS ASSIGNS SHALL BE RESPONSIBLE FOR COORDINATING WITH THE MS4 OPERATOR TO INSURE COMPLIANCE WITH OTHER INSPECTION PROCEDURES AND/OR DOCUMENTATION.

3. DRAINAGE CULVERTS AND STRUCTURES:
   - A. DURING CONSTRUCTION (UNTIL FINAL APPROVAL BY THE AUTHORITIES HAVING JURISDICTION AND THE OWNER):
     - I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
       - (1) PROTECTING THE CULVERTS AND STRUCTURES FROM DAMAGE.
       - (2) PREVENTING SEDIMENT FROM ENTERING THE CULVERTS AND STRUCTURES.
       - (3) REPAIR OF ANY DAMAGE AND REMOVAL OF SEDIMENT AS SOON AS POSSIBLE AFTER IT OCCURS.
   - B. AFTER CONSTRUCTION
     - I. FOR PUBLIC ROADWAY AND EASEMENT AREAS, THESE AREAS WILL BE DEDICATED TO AN OPERATING GOVERNMENTAL AUTHORITY UPON COMPLETION AND THAT AUTHORITY WILL PERFORM MAINTENANCE.
     - II. FOR PRIVATE PROPERTY AREAS, THE OWNER OR HIS ASSIGNS WILL BE RESPONSIBLE FOR MAINTENANCE IN PERPETUITY.

PERMANENT SEEDING (TO BE USED WHERE PERMANENT TURF AND/OR LANDSCAPING IS INDICATED ON PLANTING PLANS AND/OR DETAILS. UNLESS OTHERWISE DEFINED ON THE PLANS, ALL AREAS DISTURBED MUST BE STABILIZED)

1. IN PARTICULAR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO;
   - A. ESTABLISH A UNIFORM PERENNIAL STAND OF VEGETATION WITH A ROOT SYSTEM THAT IS SUFFICIENTLY DEVELOPED TO SURVIVE DRY PERIODS AND WINTER WEATHER AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING.
   - B. PROVIDE MINIMUM UNIFORM DENSITY COVERAGE OF 70% THROUGHOUT THE SEEDED AREA, IN ACCORDANCE WITH THE DEFINITION OF "FINAL STABILIZATION" AS DEFINED IN THE SCDHEC NPDES GENERAL PERMIT.
   - C. MAINTAIN THE STAND OF VEGETATION INCLUDING MOWING; FERTILIZING; WEED, DISEASE AND INSECT CONTROL; AND WATERING AS NECESSARY, UNTIL FINAL ACCEPTANCE BY THE OWNER AND/OR AUTHORITY HAVING JURISDICTION.

2. ALL NECESSARY (GROUND BED) PREPARATION, INSTALLATION, AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE LANDSCAPING SPECIFICATIONS FOR THE PROJECT OR, IN INSTANCES WHERE LANDSCAPING SPECIFICATIONS DO NOT EXIST, IN ACCORDANCE WITH APPLICABLE PORTIONS (INCLUDING BED PREPARATION, MULCH, FERTILIZERS, STIMULANTS, TACKIFIERS, ETC) OF SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).

3. FOR SEEDING INFORMATION REFER TO LANDSCAPE/ PLANTING PLANS.

TEMPORARY SEEDING (TO BE USED ONLY FOR TEMPORARY STABILIZATION DURING CONSTRUCTION)

1. IN PARTICULAR THE CONTRACTOR SHALL:
   - A. ESTABLISH A STAND OF VEGETATION THAT IS CAPABLE TO PREVENT EROSION AND SEDIMENT LOSS, IN ACCORDANCE WITH THE DEFINITION OF "TEMPORARY STABILIZATION" AS DEFINED IN THE SCDHEC NPDES GENERAL PERMIT.
   - B. INITIATE TEMPORARY STABILIZATION EFFORTS AS REQUIRED IN NOTE 2 AND 12 OF THE "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.
   - C. MAINTAIN THE STAND OF VEGETATION UNTIL REPLACED BY PERMANENT LANDSCAPING OR SUBSEQUENT CONSTRUCTION.

2. ALL NECESSARY (GROUND BED) PREPARATION, INSTALLATION, AND MAINTENANCE OF TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS (INCLUDING BED PREPARATION, MULCH, FERTILIZERS STIMULANTS, TACKIFIERS, ETC) OF SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).

3. UNLESS OTHERWISE INDICATED ON THIS SHEET OR IN SPECIFICATIONS, TEMPORARY SEED SHALL BE IN ACCORDANCE WITH APPENDIX C OF THE SOUTH CAROLINA DHEC STORM WATER MANAGEMENT BMP HANDBOOK. SEED SPECIES AND APPLICATION RATE SHALL BE AS INDICATED FOR THE PROJECT LOCATION, SOIL TYPE, AND DATE OF INSTALLATION.

4. TEMPORARY SEED SELECTION (SELECTION METHOD BELOW FOLLOWS SCDOT RECOMMENDATIONS): FOR SHORT DURATION APPLICATIONS, SELECT A MINIMUM OF ONE (1) SEED SPECIES FROM TABLE 2 BELOW.
   FOR LONGER DURATION APPLICATIONS, SELECT A MINIMUM OF ONE (1) SEED SPECIES FROM TABLE 1 ABOVE (UNDER PERMANENT SEEDING) AND FROM TABLE 2 BELOW, AND APPLY AT THE RATES SPECIFIED.

TABLE 2 - NURSE CROP AND TEMPORARY SEEDING (Annual Seed)

Species	Nurse Crop Lbs/Ac	Temp. Cover Lbs/Ac	Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Browntop Millet	15	60	
Ryegrass	75	200	

= UPPER STATE
= LOWER STATE

PERMITTING NOTES

1. THESE PLANS HAVE BEEN PREPARED TO MEET THE INITIAL REQUIREMENTS OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR COVERAGE UNDER THE NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (NPDES). THE OWNER AND CONTRACTOR(S) ARE ADVISED THAT ADDITIONAL REQUIREMENTS, WHICH ARE BEYOND THE SCOPE OF THESE PLANS, MUST BE MET IN ORDER TO ASSURE CONTINUED COVERAGE UNDER THE NPDES.
2. COVERAGE UNDER THE NPDES IS INITIATED BY THE SC DEPT. OF HEALTH AND ENVIRONMENTAL CONTROL'S (SCDHEC) APPROVAL OF THE PROJECT FOR CONSTRUCTION. THE OWNER'S SUBMITTAL OF AN ENVIRONMENT PROTECTION AGENCY (EPA) NOTICE OF INTENT (NOI) SERVES AS THE OWNER'S CERTIFICATION THAT HE HAS PREPARED, AND WILL IMPLEMENT AND MAINTAIN, A SWPPP THROUGHOUT THE CONSTRUCTION PERIOD. FURTHERMORE, IT CERTIFIES THAT HE WILL DOCUMENT AND WHERE REQUIRED, REPORT SITE CONDITIONS, REMEDIAL EFFORTS, SWPPP MODIFICATIONS, AND OTHER STORMWATER RELATED ACTIVITIES IN ACCORDANCE WITH NPDES REQUIREMENTS. COVERAGE UNDER THE NPDES IS TERMINATED UPON THE OWNER'S SUBMITTAL OF AN EPA NOTICE OF TERMINATION (NOT) WHEN SCDHEC APPROVAL OF THE COMPLETED PROJECT HAS BEEN RECEIVED.
3. THE OWNER IS ADVISED THAT SWA'S SCOPE OF SERVICES DOES NOT NECESSARILY INCLUDE EFFORTS TO DOCUMENT AND REPORT ACTIVITIES IN ACCORDANCE WITH NPDES REQUIREMENTS. WHILE SWA CAN PERFORM THESE SERVICES UPON REQUEST, THEY CAN ALSO BE PROVIDED BY THIRD PARTY FIRMS WHO SPECIALIZE IN DOCUMENTATION AND REPORTING OF NPDES RELATED ACTIVITIES. REGARDLESS, THESE ACTIVITIES MUST BE ACCOMPLISHED, DOCUMENTED, AND WHERE REQUIRED, REPORTED THROUGHOUT THE CONSTRUCTION PERIOD IN ORDER TO AVOID AN NPDES VIOLATION.
4. ADDITIONAL PARTIES WHO ARE ASSOCIATED WITH A PROJECT THAT HAS RECEIVED NPDES COVERAGE ARE REQUIRED TO ADHERE TO THE REQUIREMENTS OF THE PROJECT SWPPP FOR THOSE PORTIONS THAT PERTAIN TO THEIR ACTIVITIES (REFER TO SECTIONS 2.1 & 2.2 OF THE STATE GENERAL PERMIT). IN ADDITION, PARTIES WHO ARE ASSOCIATED WITH ACTIVITIES THAT ARE PART OF A "LARGER COMMON PLAN" (LCP) THAT HAS RECEIVED NPDES COVERAGE MAY ALSO SHARE RESPONSIBILITY FOR COMPLIANCE AS A "SECONDARY PERMITTEE" (REFER TO SECTIONS 2.2.2 OF THE STATE GENERAL PERMIT). ALL PARTIES ASSOCIATED WITH ANY CONSTRUCTION ACTIVITIES ARE ADVISED TO CLARIFY THEIR RESPONSIBILITIES FOR COMPLIANCE WITH THE STATE GENERAL PERMIT AND THE PROJECT'S NPDES PERMIT AND SWPPP.

SWPPP PHASE 1 - INITIAL LAND DISTURBANCE PHASE - SEQUENCE OF CONSTRUCTION:

1.1 RECEIVE NPDES COVERAGE FROM DHEC.

1.2 CONDUCT PRE-CONSTRUCTION MEETING (AS DEFINED IN SECTION 4.1 OF THE STATE GENERAL PERMIT OR AS SPECIFIED IN THE PROJECTS NPDES PERMIT).

1.3 NOTIFY DHEC EQC OFFICE OR DHEC-OCRM AND THE MS 4 OPERATOR 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.

1.4 INSTALL CONSTRUCTION ENTRANCE(S) AND BEGIN MAINTENANCE OF SEDIMENT CONTROLS AS NECESSARY. CONTINUE MAINTENANCE UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE ENGINEER.

1.5 INSTALL RELATED BMP's.

1.6 DEMOLITION MAY BEGIN ONCE ALL PHASE 1 EROSION CONTROL MEASURES ARE IN PLACE.

1.7 CONTINUE MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE ENGINEER. AT WHICH TIME THEY SHALL BE PROMPTLY REMOVED.

1.8 COMPLETE ALL UTILITIES AND SITE SURFACE IMPROVEMENTS AS APPLICABLE, INCLUDING BUT NOT NECESSARILY LIMITED TO: WATER, SEWER, DRAINAGE, POWER, COMMUNICATIONS, GAS, BUILDING SHELL, CURBS, WALKS, PAVEMENT, COURTYARDS, PLAZAS, FOUNTAINS, MONUMENTS, TRAILS, SITE LIGHTING, ETC

1.9 INSTALL STORM DRAINAGE SYSTEM INCLUDING SEDIMENT PROTECTION AS EACH STRUCTURE IS INSTALLED.

2.0 COMMENCE WITH VERTICAL CONSTRUCTION.

2.1 AFTER ALL VERTICAL CONSTRUCTION IS COMPLETE INSTALL LANDSCAPING AND/OR ESTABLISH PERMANENT SOIL STABILIZATION.

2.2 WHEN APPLICABLE, CLEAN UNDERGROUND DETENTION.

2.3 REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER THE ENTIRE AREA FLOWING TO EACH MEASURE IS PERMANENTLY STABILIZED AND APPROVED BY THE ENGINEER.

2.4 PERFORM AS-BUILT SURVEYS OF THE DRAINAGE SYSTEM, AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, AND SUBMIT TO THE OWNER AND ENGINEER FOR REVIEW AND SUBMITTAL TO DHEC AND/OR THE MS4 FOR REVIEW AND APPROVAL.

2.5 SUBMITTAL NOTICE OF TERMINATION (NOT) TO DHEC, BY THE OWNER AND ENGINEER.

SWPPP PHASE 1 - INITIAL LAND DISTURBANCE PHASE - NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INITIAL LAND DISTURBANCE PHASE.

1.A INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM DRAINAGE STRUCTURES AS INDICATED.

1.B STONE CHECK DAMS OR OTHER APPROPRIATE BMP'S SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS OR DITCHES WHERE INDICATED ON PLANS OR IN OTHER AREAS WHERE NEEDED.

1.C CONTRACTOR SHALL PERFORM DE-WATERING WITH APPROPRIATE BMP'S IN A MANNER THAT MEETS LOCAL AND STATE REGULATIONS WITH REGARD TO DISPOSAL OF WATER AND REMOVED SEDIMENT.

1.D TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE AND SHALL BE MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. ANY FAILURES OF FENCING SHALL BE REPAIRED IMMEDIATELY.

1.E NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT PERMISSION OF THE AUTHORITIES HAVING JURISDICTION, THE OWNER, AND THE ENGINEER.

1.F THE CONSTRUCTION ENTRANCE / EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PAVED AREAS.

1.G THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES.

1.H THE LOCATION OF SOME EROSION CONTROL DEVICES MAY NEED TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DEVIATE FROM THOSE PROPOSED. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER.

1.I FOLLOW ALL "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.

1.J APPROPRIATE MEASURES ARE TO BE IMPLEMENT AS REQUIRED TO PREVENT SEDIMENT FROM ENTERING INLET PIPES AND BOXES. EACH PROTECTIVE MEASURE IS TO BE IN PLACE AS SOON AS POSSIBLE, AND PRIOR TO ANY RAIN EVENT, AFTER PIPE, STRUCTURE, ETC. IS INSTALLED. ACCUMULATED SEDIMENT SHALL BE REMOVED AND PLACED ON-SITE IN SUCH A MANNER THAT IT DOES NOT ACCUMULATE AGAIN.

1.K FINAL CUT AND FILL SLOPES ARE TO FOLLOW THE CONSTRUCTION PLANS. TEMPORARY CUT AND FILL SLOPES SHALL NOT NOT EXCEED 2H:1V. 3H:1V OR BETTER IS PREFERRED IN ALL LOCATIONS UNLESS INFEASIBLE.

1.L AFTER CURBING, AGGREGATE BASE AND PAVING HAS BEEN COMPLETED, ALL INLET SEDIMENT TRAPS INSTALLED ON CURB INLETS SHALL BE REMOVED AND REPLACED WITH INLET FILTER PROTECTION. PROTECTION DEVICES MAY BE REMOVED ONCE AREA DRAINING TO EACH INLET HAS BEEN FULLY STABILIZED.

1.M UPON COMPLETION OF THE PROJECT AND AUTHORIZATION FROM THE AUTHORITY HAVING JURISDICTION, THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE ALL TEMPORARY EROSION CONTROL MEASURES, UNLESS OTHERWISE NOTED.

1.N FOLLOW ALL "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.

STORMWATER AND SEDIMENT CONTROL

UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE FOR ALL OF THE REQUIREMENTS LISTED BELOW, AS APPLICABLE, AS PART OF HIS WORK INCLUDED IN HIS BASE BID.

1. IF NECESSARY, SLOPES THAT EXCEED 8 VERTICAL FEET IN HEIGHT SHALL BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO SEEDING. TEMPORARY SLOPE DRAINS AND/OR BERMS SHALL BE INSTALLED AS NECESSARY UNTIL FINAL GRADE AND STABILIZATION IS ESTABLISHED.
2. STABILIZATION MEASURES (EITHER PERMANENT LANDSCAPING OR TEMPORARY SEEDING) SHALL BE INSTALLED AS SOON AS PRACTICAL ON PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION HAS CEASED, EXCEPT AS STATED BELOW:
   - A. WHERE STABILIZATION BEFORE THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE.
   - B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE HAS TEMPORARILY CEASED AND LAND DISTURBING ACTIVITIES WILL RESUME WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP IS INAPPROPRIATE, OR HAS BEEN INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. PROVIDE SILT FENCE AND/OR OTHER EROSION CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED BY PERMANENT SEEDING, OR OTHER MEASURES WHERE INDICATED ON THE PLANS, IMMEDIATELY AFTER UTILITY CONSTRUCTION IS COMPLETE UNLESS ADDITIONAL CONSTRUCTION IS TO TAKE PLACE. BACKFILLING OF THE TRENCH AT THE END OF EACH DAY IS MANDATORY AND TEMPORARY SEEDING IS RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER ADDITION SHALL BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVISES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR SHALL TAKE NECESSARY ACTIONS TO PREVENT TRACKING OF SOIL ONTO PAVED AREAS THAT ARE UTILIZED FOR ACCESS TO THE SITE AND TO MINIMIZE THE GENERATION OF DUST. SHOULD TRACKING OCCUR THE CONTRACTOR SHALL IMMEDIATELY CEASE OR MODIFY CAUSAL OPERATIONS. THE CONTRACTOR SHALL DAILY REMOVE SOIL FROM PAVEMENT AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE INSTALLED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE (OR PROTECTION AS OTHERWISE REQUIRED BY AUTHORITY HAVING JURISDICTION) SHALL BE INSTALLED IN ALL AREAS WHERE A 50 FT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND THE WOS. IN ADDITION, A 10 FT BUFFER SHALL BE MAINTAINED BETWEEN THE NEAREST ROW OF SILT FENCE AND THE WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, CHEMICALS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) SHALL BE PREVENTED FROM ENTERING OR OTHERWISE POLLUTING STORMWATER DISCHARGES.
11. A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES UNTIL THE DATE THAT FINAL STABILIZATION IS ACHIEVED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASHING, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH THE APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM THE SITE ARE PROHIBITED:
   - A. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   - B. WASTEWATER FROM WASHOUT AND CLEANING OF STUCCO, PAINT, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS;
   - C. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATIONS AND MAINTENANCE; AND
   - D. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTION MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS ACHIEVED ON ALL AREAS OF THE CONSTRUCTION SITE.
18. IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE AND SHALL INCLUDE REVIEW OF THE APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. THE NPDES PRE-CONSTRUCTION CONFERENCE MUST TAKE PLACE ON SITE.
20. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PAVED AREAS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO PAVED AREAS OR INTO STORM DRAINAGE SHALL BE REMOVED AS SOON AS REASONABLY POSSIBLE.
21. THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR ENGINEER. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/3 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHALL BE INSPECTED REGULARLY ONCE EVERY WEEK AND WITHIN 24 HOURS OF A RAIN EVENT THAT PRODUCES 1 / 2" OR MORE OF PRECIPITATION.
22. SILT FENCE SHALL BE PLACED AT THE TOE OF OF ALL DIRT STOCK PILE AREAS (ON THE LOW SIDE WHERE SEDIMENT CAN BE WASHED AWAY).
23. THE CONTRACTOR SHALL MAINTAIN ALL PONDS, SEDIMENT BASINS, AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE REMOVED FROM BASINS WHEN IT REACHES THE HALFWAY POINT ON THE RISER.

SEALS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER Jennifer R. Palmer No. 20961 1/7/25

SOUTH CAROLINA SEAMON, WHITESIDE & ASSOCIATES, INC. No. C00472 CERTIFICATE OF AUTHORIZATION

NOTES:

SEAMONWHITESIDE
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GREENVILLE, SC 864.298.0534
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SPARTANBURG, SC 864.272.1272
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REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS
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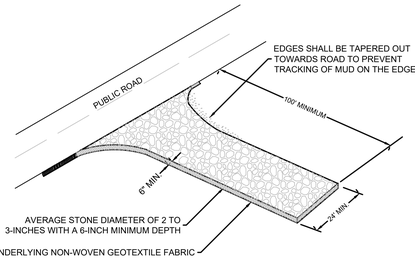
SWPPP NOTES

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C301

1/7/2025 10:17 AM



SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2-3 INCHES

South Carolina Department of Health and Environmental Control
CONSTRUCTION ENTRANCE
STANDARD DRAWING NO. SC-06 PAGE 1 of 2
NOT TO SCALE FEBRUARY 2014 DATE

CONSTRUCTION ENTRANCE - INSPECTION & MAINTENANCE

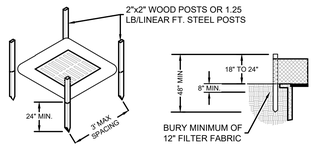
1. THE KEY TO FUNCTIONAL CONSTRUCTION ENTRANCES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPS BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPS.
3. DURING REGULAR INSPECTIONS, CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. INSPECTION FREQUENCIES MAY NEED TO BE MORE FREQUENT DURING LONG PERIODS OF WET WEATHER.
4. RESHAPE THE STONE PAD AS NECESSARY FOR DRAINAGE AND RUNOFF CONTROL.
5. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY SITE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE THE AMOUNT OF MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE PAD.
6. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO ADJACENT IMPERVIOUS SURFACES BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN.
7. DURING MAINTENANCE ACTIVITIES, ANY BROKEN PAVEMENT SHOULD BE REPAIRED IMMEDIATELY.
8. CONSTRUCTION ENTRANCES SHOULD BE REMOVED AFTER THE SITE HAS REACHED FINAL STABILIZATION. PERMANENT VEGETATION SHOULD REPLACE AREAS FROM WHICH CONSTRUCTION ENTRANCES HAVE BEEN REMOVED, UNLESS AREA WILL BE CONVERTED TO AN IMPERVIOUS SURFACE TO SERVE POST-CONSTRUCTION.

CONSTRUCTION ENTRANCE - GENERAL NOTES

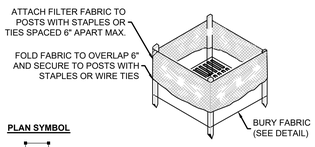
1. STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL EGRESS/INGRESS A CONSTRUCTION SITE ONTO A PUBLIC ROAD OR ANY IMPERVIOUS SURFACES, SUCH AS PARKING LOTS.
2. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.
3. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
4. THE ENTRANCE SHALL CONSIST OF 2-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES.
5. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FEET WIDE BY 100-FEET LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.
6. THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING AT THE EDGE OF THE ENTRANCE.
7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.
8. LIMESTONE MAY NOT BE USED FOR THE STONE PAD.

South Carolina Department of Health and Environmental Control
CONSTRUCTION ENTRANCE
STANDARD DRAWING NO. SC-06 PAGE 2 of 2
NOT TO SCALE FEBRUARY 2014 DATE

1 Temporary Construction Entrance
SCALE: NOT TO SCALE



POST INSTALLATION DETAIL — FILTER FABRIC BURIAL DETAIL



PLAN SYMBOL

FILTER FABRIC INSTALLATION DETAIL

FILTER FABRIC INLET PROTECTION

MATERIALS:

-USE FILTER FABRIC THAT CONFORMS TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION). REFER TO THE SILT FENCE GEOTEXTILE FABRICS APPROVAL SHEET #34.
-USE STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
-BE COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
-HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
-WEIGH 1.25 POUNDS PER FOOT (± 8%).
-BE PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.
-ATTACH FABRIC TO METAL POSTS WITH HEAVY-DUTY PLASTIC TIES.

INSTALLATION:

-EXCAVATE A TRENCH 6-INCHES WIDE AND 6-INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE INLET UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.
-EXTEND THE FILTER FABRIC A MINIMUM OF 12-INCHES INTO THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR CRUSHED STONE AND COMPACT OVER THE FILTER FABRIC UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.
-USE STEEL POSTS WITH A MINIMUM POST LENGTH OF 60-INCHES CONSISTING OF STANDARD "T" SECTIONS WITH A WEIGHT OF 1.25 POUNDS PER FOOT (±8%). INSTALL THE FILTER FABRIC TO A MINIMUM HEIGHT OF 24-INCHES ABOVE GRADE. SPACE THE STEEL POSTS AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3-FEET APART AND DRIVE THEM INTO THE GROUND A MINIMUM OF 24-INCHES. CUT THE FILTER FABRIC FROM A CONTINUOUS ROLL TO THE LENGTH OF THE PROTECTED AREA TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, WRAP FILTER FABRIC TOGETHER ONLY AT A SUPPORT POST WITH BOTH ENDS SECURELY FASTENED TO THE POST, WITH A MINIMUM 6-INCH OVERLAP.
-ATTACH FABRIC TO STEEL POSTS WITH HEAVY-DUTY PLASTIC TIES.
-ATTACH AT LEAST FOUR (4) EVENLY SPACED TIES IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, AFFIX TIES IN NO LESS THAN FOUR (4) PLACES.

INSPECTION AND MAINTENANCE:

-AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPS BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPS.
. IF THE FABRIC BECOMES CLOGGED, IT SHOULD BE REPLACED. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY 1/3 THE HEIGHT OF THE FENCE. TAKE CARE NOT TO DAMAGE OR UNDERCUT FABRIC WHEN REMOVING SEDIMENT.IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE HOLE.MAINTAIN THE POOL AREA, ALWAYS PROVIDING ADEQUATE SEDIMENT STORAGE VOLUME FOR THE NEXT STORM.
-STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. USE APPROPRIATE PERMANENT STABILIZATION METHODS TO STABILIZE BARE AREAS AROUND THE INLET.

South Carolina Department of Health and Environmental Control
TYPE A - FILTER FABRIC INLET PROTECTION
STANDARD DRAWING NO. SC-07
APPROVED BY: SIGNED AUGUST, 2005 DATE

2 Type A Inlet Protection
SCALE: NOT TO SCALE

SEALS

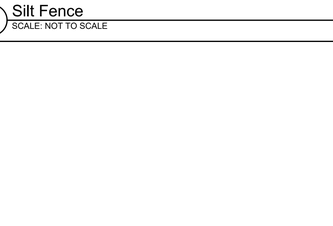
NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC 843.884.1667
GREENVILLE, SC 864.298.0534
SUMMERVILLE, SC 843.972.0710
SPARTANBURG, SC 864.272.1272
CHARLOTTE, NC 980.312.5450
RALEIGH, NC 980.312.5450
WWW.SEAMONWHITESIDE.COM

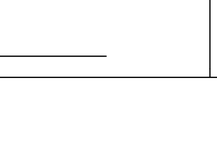
PLAN SYMBOL

SF

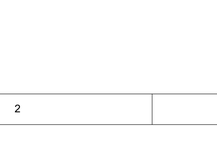
SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



SILT FENCE - GENERAL NOTES

1. Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
2. Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
3. Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
4. Silt fence joints, when necessary, shall be completed by one of the following options:
   - Wrap each fabric together at a support post with both ends fastened to the post, with a 1 foot minimum overlap;
   - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
   - Overlap entire width of each silt fence roll from one support post to the next support post.
5. Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
6. Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.
7. Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

SILT FENCE - POST REQUIREMENTS

1. Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics.
   - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
   - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
   - Weigh 1.25 pounds per foot (± 8%)
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
4. Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
5. Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE - INSPECTION & MAINTENANCE

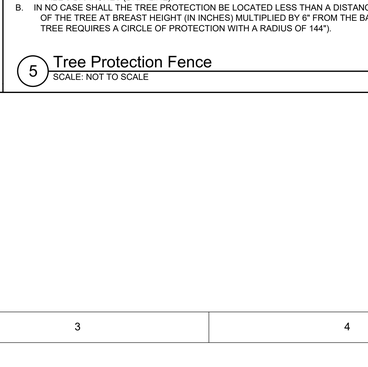
1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

SILT FENCE - FABRIC REQUIREMENTS

1. Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements: Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
   - Free of any treatment or coating which might adversely alter its physical properties after installation;
   - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
   - Have a minimum width of 36-inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24-inches above the ground.

South Carolina Department of Health and Environmental Control
SILT FENCE
STANDARD DRAWING NO. SC-03
NOT TO SCALE FEBRUARY 2014 DATE

3 Silt Fence
SCALE: NOT TO SCALE



PLAN SYMBOL

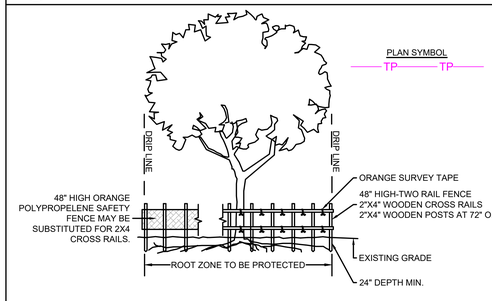
RSF

SILT FENCE - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48-INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   -- COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   -- INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND A NOMINAL "T" LENGTH OF 1.48-INCHES.
   -- WEIGH 1.25 POUNDS PER FOOT (± 8%)
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF 17-SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
4. INSTALL POSTS TO A MINIMUM OF 24-INCHES. A MINIMUM HEIGHT OF 1- TO 2- INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6-FEET ON CENTER.

South Carolina Department of Health and Environmental Control
REINFORCED SILT FENCE
STANDARD DRAWING NO. SC-03 Page 1 of 2
NOT TO SCALE FEBRUARY 2014 DATE

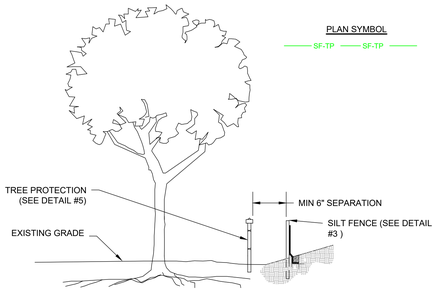
4 Reinforced Silt Fence
SCALE: NOT TO SCALE



NOTES:

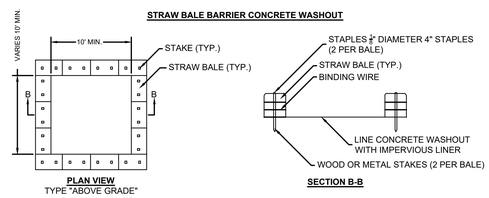
1. BARRICADES SHALL BE INSTALLED AROUND ALL TREES INDICATED ON THE PLANS ACCORDING TO THE FOLLOWING STANDARDS:
   A. WHERE POSSIBLE, LOCATE ALONG THE PERIMETER OF THE OUTER MOST SPREAD OF THE PROTECTED TREE'S BRANCHES (DRIP LINE).
   B. IN NO CASE SHALL THE TREE PROTECTION BE LOCATED LESS THAN A DISTANCE EQUAL TO THE DIAMETER OF THE TREE AT BREAST HEIGHT (IN INCHES) MULTIPLIED BY 6" FROM THE BASE OF THE TREE. (IE: A 24" TREE REQUIRES A CIRCLE OF PROTECTION WITH A RADIUS OF 144").

5 Tree Protection Fence
SCALE: NOT TO SCALE

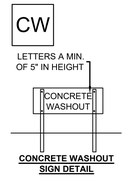


6 Tree Protection Silt Fence
SCALE: NOT TO SCALE

STRAW BALE BARRIER CONCRETE WASHOUT



PLAN SYMBOL



CONCRETE WASHOUT SIGN DETAIL

NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

South Carolina Department of Health and Environmental Control
CONCRETE WASHOUT
STRAW BALES OR ABOVE GROUND
STANDARD DRAWING NO. RC-07 Page 1 of 1
NOT TO SCALE FEBRUARY 2014 DATE

7 Concrete Washout - Straw Bale Barrier
SCALE: NOT TO SCALE

SILT FENCE - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPS BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPS.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORMWATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKS/TIE-BACKS AND/OR REINSTALL SILT FENCE, AS NECESSARY.
7. CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE SILT FENCE INEFFECTIVE. REMOVED DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.
8. SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.

SILT FENCE - FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   -- COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   -- FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   -- FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   -- HAVE A MINIMUM WIDTH OF 36-INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34, MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12-INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24-INCHES ABOVE THE GROUND.

SILT FENCE - GENERAL NOTES

1. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100-FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. SILT FENCE JOINTS, WHEN NECESSARY, SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
   -- WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1-FOOT MINIMUM OVERLAP;
   -- OVERLAP SILT FENCE BY INSTALLING 3-FEET PASSED THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY-DUTY PLASTIC TIES; OR,
   -- OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8-INCHES OF THE FABRIC.
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORMWATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.
7. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED/INSTALLED SILT FENCE.

South Carolina Department of Health and Environmental Control
SILT FENCE
STANDARD DRAWING NO. SC-03 Page 2 of 2
NOT TO SCALE FEBRUARY 2014 DATE

REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

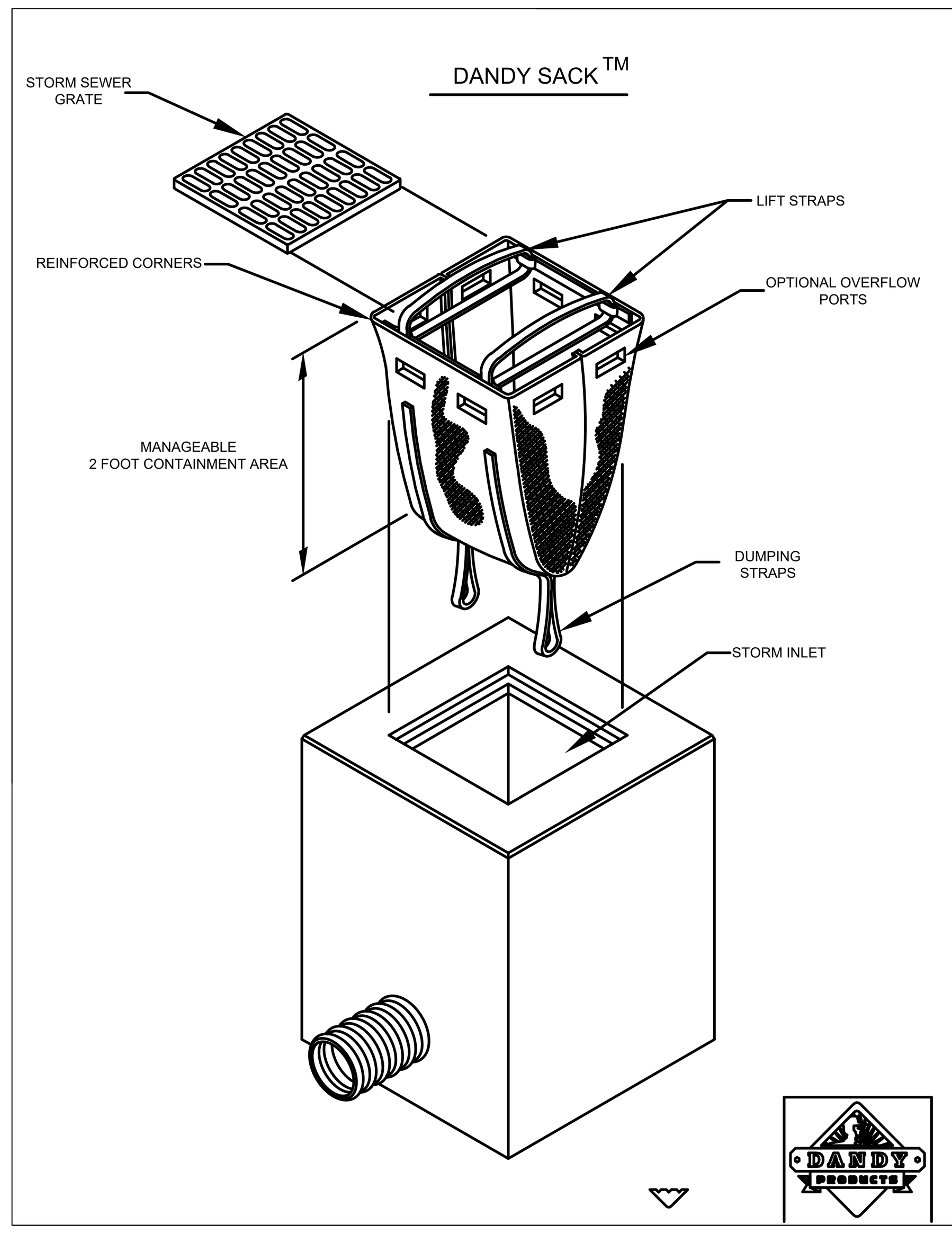
SWPPP DETAILS

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C302

1/7/2025 10:17 AM



DANDY SACK™
SPECIFICATIONS

NOTE: THE DANDY SACK)™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY SACK™ (BLACK)

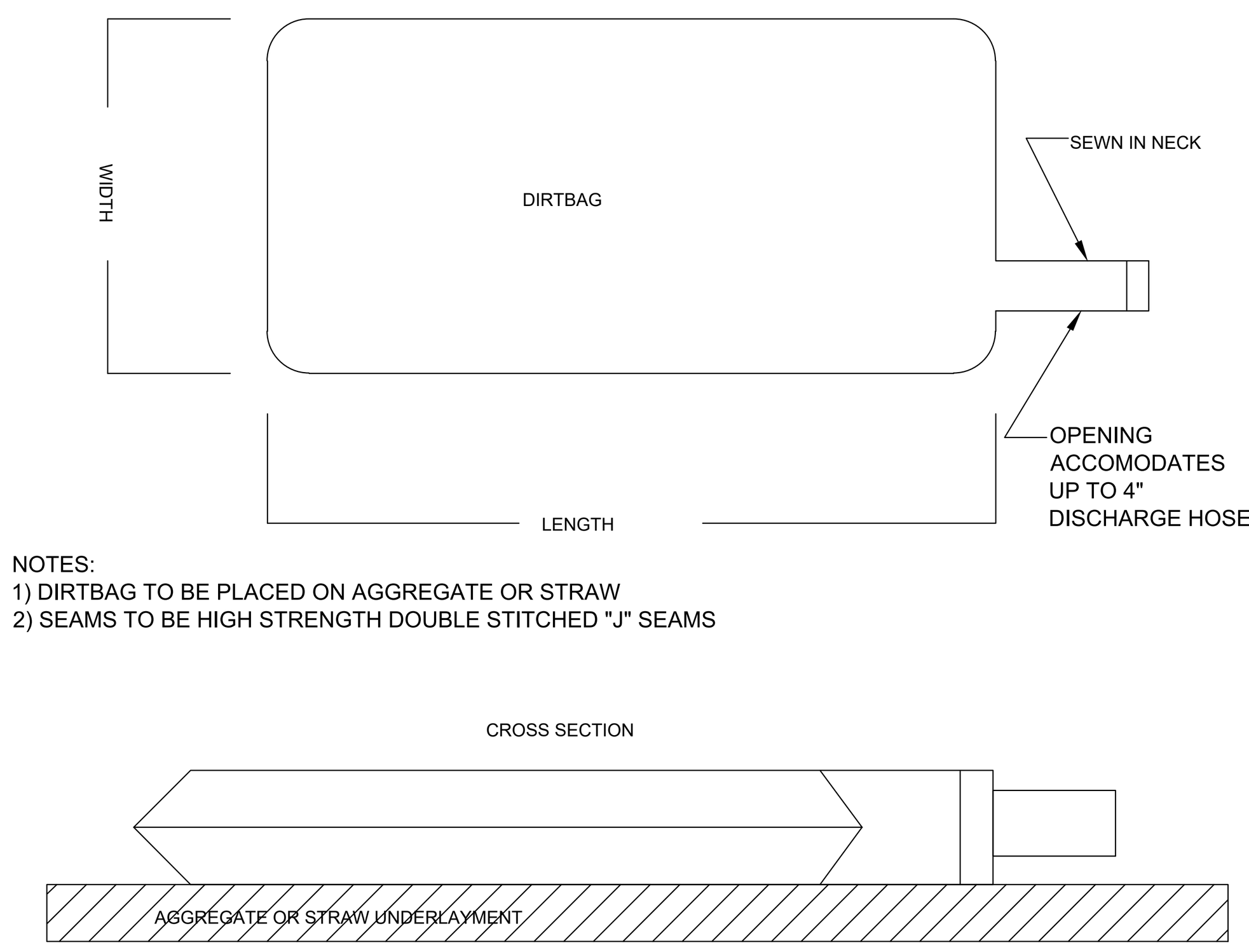
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	$1/min/m^2$ ($gal/min/ft^2$)	2852 (70)
Permittivity	ASTM D 4491	Sec^{-1}	0.90

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	$1/min/m^2$ ($gal/min/ft^2$)	5907 (145)
Permittivity	ASTM D 4491	Sec^{-1}	2.1

*Note: All Dandy Sack™ can be ordered with our optional oil absorbent pillows

1 Dandy Bag
SCALE: NOT TO SCALE



NOTES:
1) DIRTBAG TO BE PLACED ON AGGREGATE OR STRAW
2) SEAMS TO BE HIGH STRENGTH DOUBLE STITCHED "J" SEAMS

DB55 FABRIC PROPERTIES		
PROPERTY	TEST METHOD	MARV
TENSILE STRENGH	ASTM D-4632	205 LBS
ELONGATION	ASTM D-4632	50%
CBR PUNCTURE	ASTM D-6241	525 LBS
UV RESISTANCE	ASTM D-4355	70%
AOS	ASTM D-4751	80 US SIEVE
PERMITTIVITY	ASTM D-4491	1.4 SEC-1
FLOW RATE	ASTM D-4491	90 GPM/SF

2 Dirt Bag
SCALE: NOT TO SCALE

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 20961 JENNIFER R. PALMER 1/7/25

SOUTH CAROLINA SEAMON, WHITESIDE & ASSOCIATES, INC. No. C00472 CERTIFICATE OF AUTHORIZATION

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

0	12/16/24

REVISIONS

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

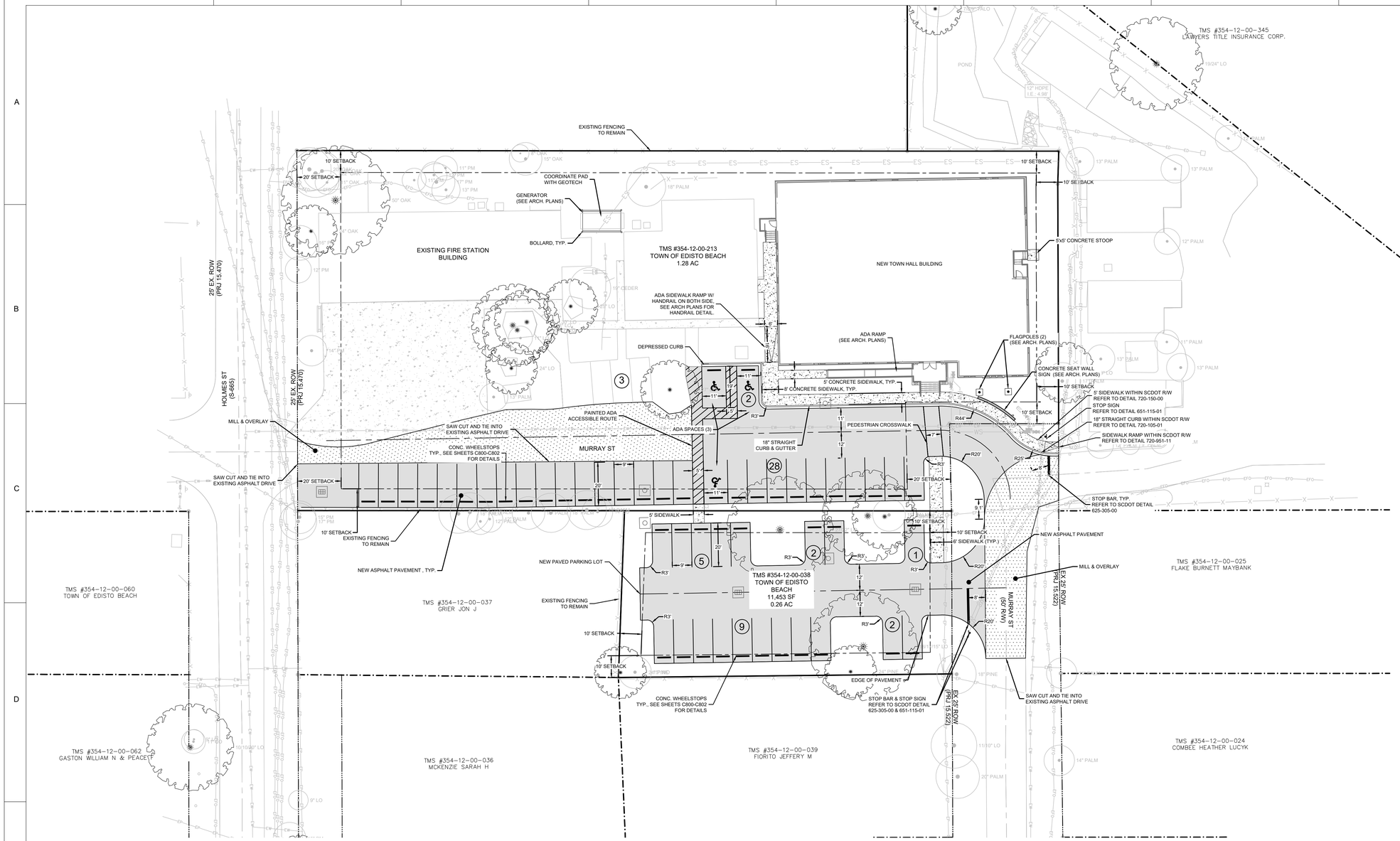
CAPLEA COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

SWPPP DETAILS
SHEET NAME

PROJECT NUMBER 10211
DRAWN BY KYC
CHECKED BY JRP
DATE 12/16/2024
SCALE

C303

1/7/2025 10:17 AM



LEGEND

HATCH DENOTES NEW ASPHALT PAVEMENT

HATCH DENOTES MILL & OVERLAY

NOTES:

1. ALL MEASUREMENTS ARE CALCULATED AND ARE NOT SURVEYED UNLESS OTHERWISE NOTED.
2. BOUNDARY, TOPOGRAPHIC, TREE, WETLAND DELINEATION, AND OTHER EXISTING CONDITIONS SHOWN ARE FROM SURVEY PREPARED BY SOUTHEASTERN LAND SURVEYING LLC. SURVEYING COMPANY, TITLED "A TOPOGRAPHICAL SURVEY OF A PORTION OF TMS #354-12-00-213, #-250, #-345, #-357-354, #-038", DATED 03/03/2023.
3. TOPOGRAPHIC DATUM IS NAD83, PER REFERENCE SURVEY.
4. ANYTHING SHOWN OUTSIDE OF THE BOUNDARY OF THIS PROJECT IS FOR DESCRIPTIVE PURPOSES ONLY.
5. THIS PROPERTY IS SHOWN ON TAX MAP TMS #354-12-00-213 & #-038.
6. FLOOD ZONE:
   PROJECT IS LOCATED IN ZONE AE (E1.9) PER F.E.M.A. MAP COMMUNITY PANEL NO. 45029C0777G, EFFECTIVE 12/21/2017.
7. THE EDISTO BEACH UTILITIES DEPARTMENT IS THE WATER SYSTEM AND SANITARY SEWER SYSTEM PROVIDER.
10. CONTRACTOR TO REFER TO THE MOST CURRENT EDITION OF THE SCDOT STANDARD DRAWINGS.

SITE PARKING COUNT
3 NEW ADA SPACES
46 NEW STANDARD SPACES
3 EXISTING STANDARD SPACES
52 TOTAL

PARKING NOTES:
EDISTO BEACH ORDINANCE REQUIRES ONE SPACE FOR EACH 200 SQUARE FEET OF GROSS FLOOR SPACE FOR PUBLIC BUILDINGS.

PARKING CALCULATIONS	
REQUIRED SPACES FOR NEW TOWN HALL BUILDING	+/-10,000 SF/ 200SF = 50 SPOTS
REQUIRED SPACES FOR EX TOWN HALL BUILDING	+/-3,042 SF/ 200SF = 16 SPOTS
REQUIRED SPACES FOR EX FIRE STATION BUILDING	+/-4,990 SF/ 200SF = 25 SPOTS
TOTAL SPOTS REQUIRED	91 SPOTS

Know what's below. Call before you dig.

SCALE: 1" = 20'

SEALS

SOUTH CAROLINA — JENNIFER R. PAMER — No. 20961 — REGISTERED PROFESSIONAL ENGINEER — 1/7/25

SOUTH CAROLINA — SEAMON, WHITESIDE & ASSOCIATES, INC. — No. C00472 — CERTIFICATE OF AUTHORIZATION

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REVISIONS		
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CHARLESTON, SC 29412
843.577.6073

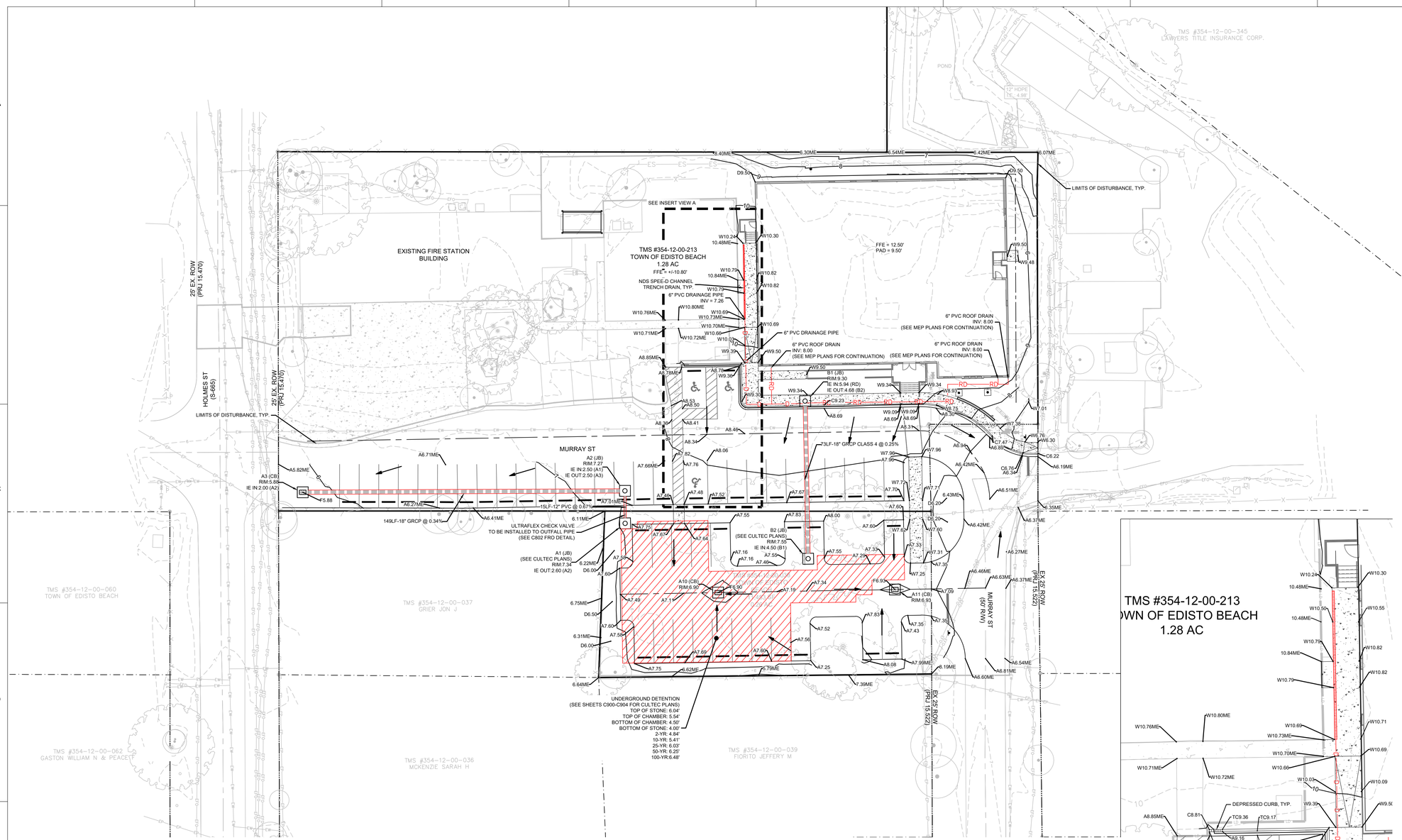
SITE LAYOUT PLAN

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C400

1/7/2025 10:17 AM



STANDARD DRAINAGE & GRADING PLAN NOTES

1. FOR PROJECT SURVEY INFORMATION INCLUDING VERTICAL DATUM AND BENCHMARK LOCATIONS, SEE "PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS" ON SHEET C100.
2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
3. REFER TO DRAINAGE PROFILE SHEETS, GRADING PLAN SHEETS, AND SITE INFRASTRUCTURE DETAIL SHEETS FOR ADDITIONAL DRAINAGE AND GRADING INFORMATION AND REQUIREMENTS.
4. DRAINAGE PIPE LENGTHS PROVIDED REPRESENT DISTANCES FROM CENTER OF BOX TO CENTER OF BOX. DRAINAGE PIPES ARE TO TERMINATE INSIDE THE DRAINAGE STRUCTURES IN ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS OR IN ACCORDANCE WITH SCDOT STANDARD DRAWING 719-000-03 DRAINAGE STRUCTURE GENERAL NOTES.
5. ANY NECESSARY UNDERCUTTING OR MUCK AND FILL OPERATIONS ARE TO BE COORDINATED WITH THE OWNER AND THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO EXECUTING THE WORK.
6. PRIOR TO BEGINNING WORK WITHIN ANY PUBLIC RIGHT-OF-WAY OR EASEMENT, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE ENCROACHMENT PERMITS FROM THE OWNER OR ENGINEER AND IS RESPONSIBLE FOR FOLLOWING ALL REQUIREMENTS SPECIFIED IN THESE PERMITS.
7. UNLESS OTHERWISE NOTED, GASKETED REINFORCED CONCRETE PIPE (GRCP) SHALL BE IN ACCORDANCE WITH ASTM C76, CLASS III, WALL B WITH GASKETED JOINTS (ASTM C443) PER SCDOT SPECIFICATIONS.
8. REFER TO DRAINAGE PROFILE SHEETS FOR ADDITIONAL RIM ELEVATION INFORMATION.
9. SEE SITE INFRASTRUCTURE DETAILS FOR UNDERDRAIN DETAIL & REQUIREMENTS.
10. CONTRACTOR TO REFER TO THE MOST CURRENT EDITION OF THE SCDOT STANDARD DRAWINGS.
11. FOR PROJECT SURVEY INFORMATION INCLUDING VERTICAL DATUM AND BENCHMARK LOCATIONS, SEE "PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS" ON SHEET C100.
12. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
13. REFER TO THE "SPOT ELEVATION KEY" FOR INFORMATION ON SPOT ELEVATIONS.
14. COORDINATE WITH THE OWNER AND THE PROJECT GEOTECHNICAL CONSULTANT FOR COMPACTION AND TESTING REQUIREMENTS.
15. CONTRACTOR TO SELF-VERIFY THAT SITE GRADES, PONDS, POND DIKES, DRAINAGE PIPES, AND DRAINAGE STRUCTURES ARE CONSTRUCTED PER THE PLANS PRIOR TO REQUESTING FINAL AS-BUILT SURVEY FROM SURVEYOR.

LEGEND

HATCH DENOTES UNDERGROUND DETENTION SYSTEM

SPOT ELEV KEY (FINISHED GRADING)

A-(ASPHALT) SURFACE OF FINISHED ASPHALT ROADWAY OR WALKING PATH
C-(CONCRETE) CONCRETE PAVING
D-(DIRT) FINISHED GROUND ELEVATION
F-(FLOW) ELEVATION AT WHICH SURFACE WATER FLOWS INTO DRAINAGE STRUCTURE
-SURFACE OF ASPHALT ADJACENT TO THROAT OR GRATE AT CURB INLET
-SURFACE OF ACCESS COVER FOR JUNCTION OR ISOLATION BOX
-SURFACE OF GRATE AT OUTSIDE EDGE FOR CATCH BASIN, GUTTER INLET, OR GRATED POND STRUCTURE
FFE - FINISHED FLOOR ELEVATION
G-(GUTTER) SURFACE OF FINISHED GUTTER AT LOWEST POINT (ALONG WATER FLOW PATH)
W-(WALK) SURFACE OF FINISHED CONCRETE OR INTERLOCKING PAVER SIDEWALK, PATIO, PLAZA, OR SLAB
TC - TOP OF CURB ELEVATION
BC - BOTTOM OF CURB ELEVATION
TS - TOP OF STAIRS ELEVATION
BS - BOTTOM OF STAIRS ELEVATION
TW - FINISHED GRADE ELEVATION AT TOP OF WALL
BW - FINISHED GRADE ELEVATION AT BOTTOM OF WALL
ME-(MATCH EXISTING) FOLLOWING ELEVATION NUMBER -
INDICATES TO MATCH ELEVATION OF EXISTING SURFACE AT POINT OF CONNECTION

EXAMPLE: A12.56ME MEANS THAT THE SURFACE OF NEW ASPHALT IS TO BE AT ELEVATION 12.56 WHICH SHOULD MATCH THE ELEVATION OF THE EXISTING ASPHALT SURFACE AT THE JOINT

SCALE: 1" = 20'

Know what's **Call** before you dig. **below.**

SOUTH CAROLINA PROFESSIONAL ENGINEER — JENNIFER R. PAMER — No. 20961 — 1/9/25

SOUTH CAROLINA — SEAMON, WHITESIDE & ASSOCIATES, INC. — No. C00472 — CERTIFICATE OF AUTHORIZATION

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
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REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

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CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

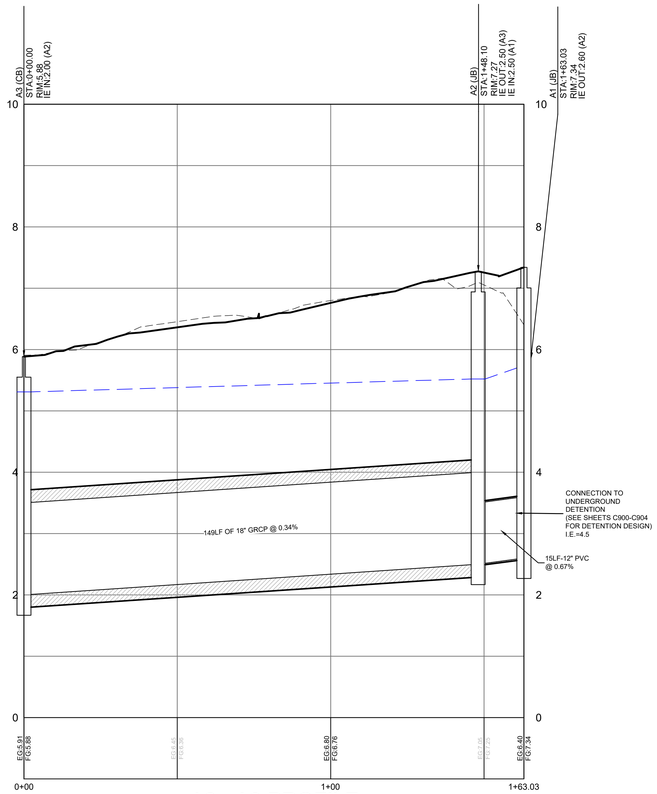
GRADING & DRAINAGE PLAN

SHEET NAME

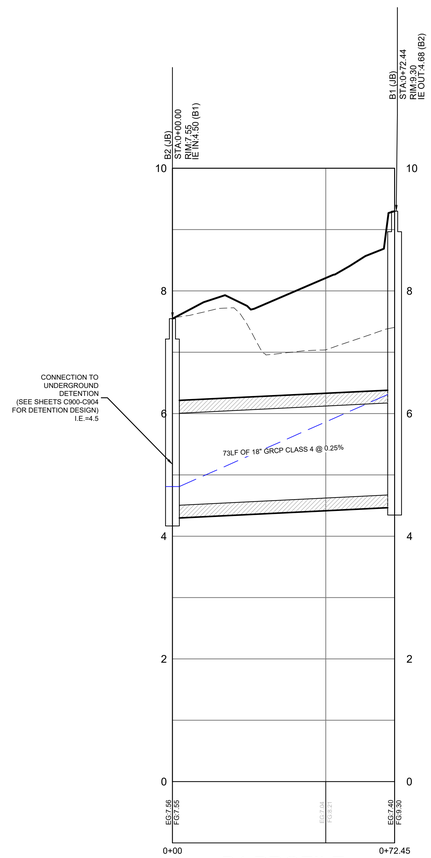
PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C500

1/9/2025 9:51 AM



A2 - A3 PROFILE



B1 PROFILE

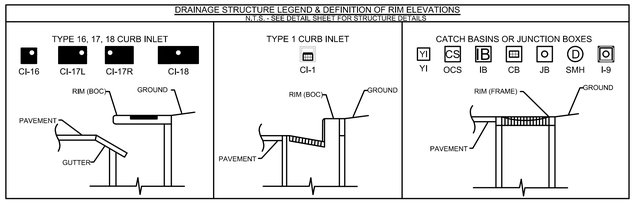
LINETYPE LEGEND

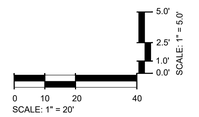
- FINISHED GRADE
- EXISTING GROUND
- HYDRAULIC GRADE LINE 25 YEAR STORM EVENT

STANDARD DRAINAGE PROFILE SHEET NOTES

1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
2. DRAINAGE PIPE LENGTHS PROVIDED REPRESENT DISTANCES FROM CENTER OF BOX TO CENTER OF BOX. DRAINAGE PIPES ARE TO TERMINATE INSIDE THE DRAINAGE STRUCTURES IN ACCORDANCE WITH GOVERNING AUTHORITY REQUIREMENTS, BUT IN NO CASE SHALL PROTRUDE MORE THAN 6" BEYOND THE INTERIOR WALLS.
3. UNLESS OTHERWISE NOTED, GASKETED REINFORCED CONCRETE PIPE (GRCP) SHALL BE IN ACCORDANCE WITH ASTM C76, CLASS III, WALL B WITH GASKETED JOINTS (ASTM C443) PER SCDOT SPECIFICATIONS.

DRAINAGE STRUCTURE LEGEND & DEFINITION OF RIM ELEVATIONS
N.T.S. - SEE DETAIL SHEET FOR STRUCTURE DETAILS





SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
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843.972.0710
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CHARLOTTE, NC
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REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

DRAINAGE PROFILES

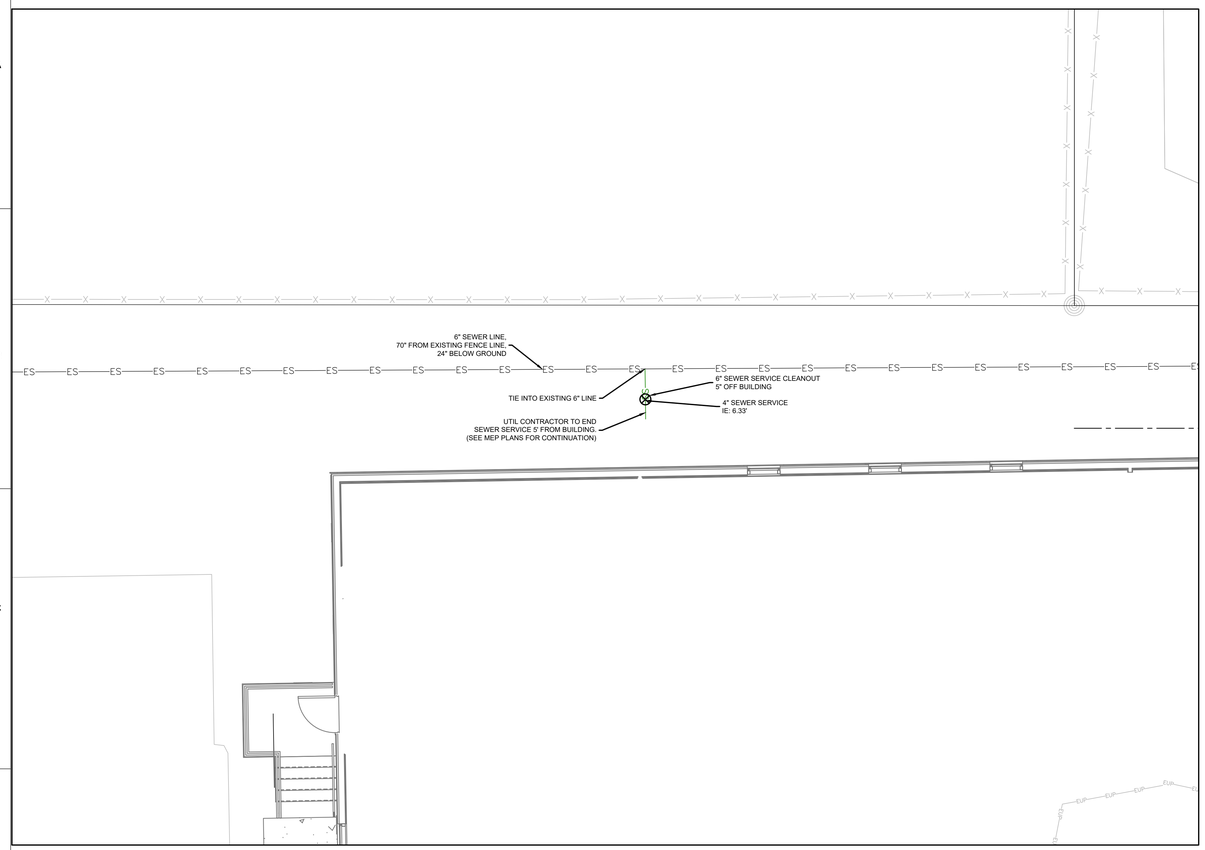
SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C501

1/9/2025 1:52 PM

SEWER PLAN



STANDARD SEWER & WATER PLAN NOTES

1. FOR PROJECT SURVEY INFORMATION INCLUDING VERTICAL DATUM AND BENCHMARK LOCATIONS, SEE "PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS" ON SHEET C1.0.
2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
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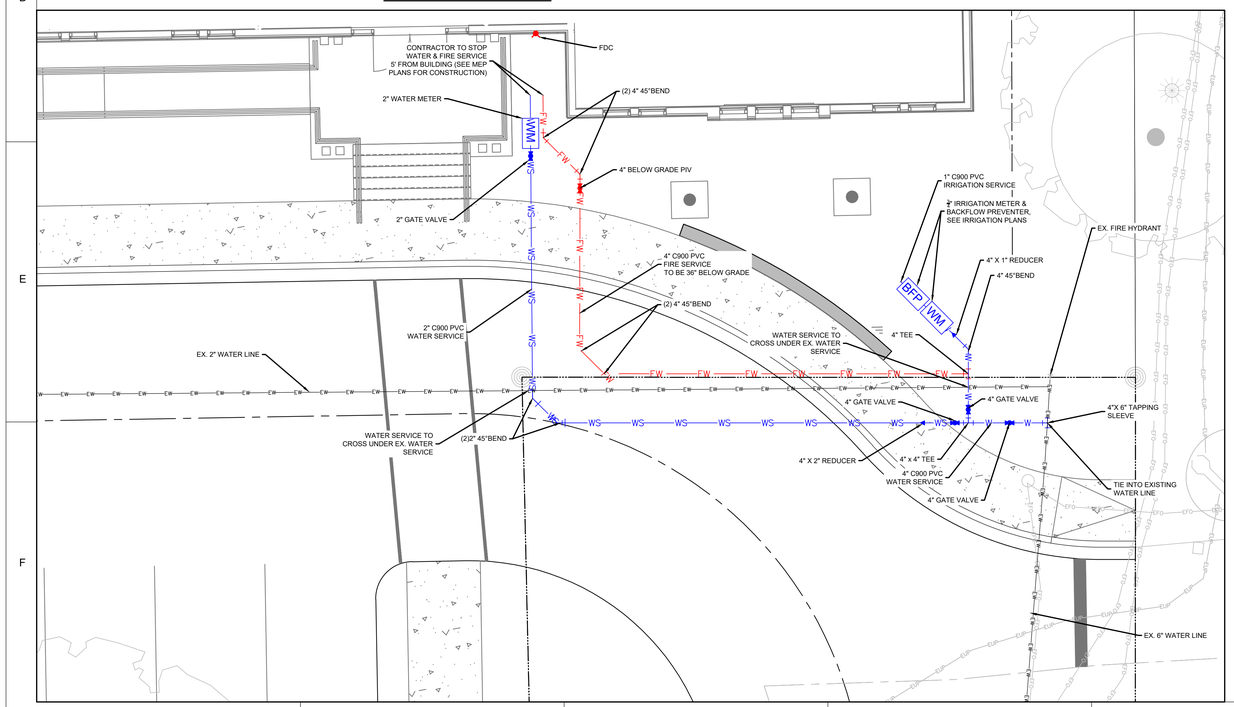
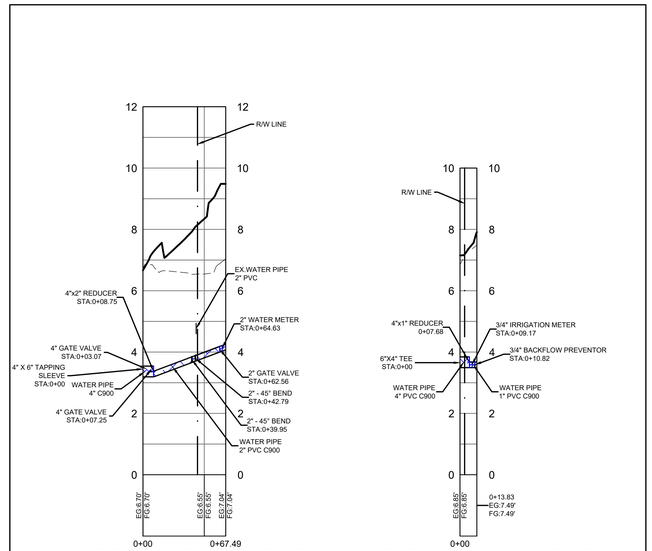
5. VALVES ARE NOT TO BE LOCATED WITHIN CURB AND GUTTER.
6. FIRE HYDRANTS, VALVES, WATER SERVICES, AND OTHER SYMBOLS MAY NOT BE TO SCALE FOR CLARITY PURPOSES. REFER TO WATER DETAIL SHEETS AND COORDINATE WITH ENGINEER AND/OR WATER PROVIDER FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING FIRE HYDRANT LOCATIONS AND WATER FITTING SEPARATION DISTANCES.
7. REFER TO WATER DETAIL SHEETS FOR SPECIFIC INFORMATION REGARDING EXACT PLACEMENT REQUIRED FOR WATER SERVICES, INCLUDING RELATIONSHIP TO PROPERTY LINES, EASEMENTS, AND SIDEWALKS.
8. REFER TO SEWER & WATER DETAIL SHEETS AND WATER PROFILE SHEETS (IF APPLICABLE) FOR DETAILS AND ANY ADDITIONAL WATER SYSTEM INFORMATION.

EXISTING UTILITY NOTE:

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

WATER PLAN





0 2.5 5 10
SCALE: 1" = 5'

2.0'
1.0'
0.5'
0.0'
SCALE: 1" = 2.0'

0 25 50 100
SCALE: 1" = 50'

811
Know what's below.
Call before you dig.

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
JENNIFER R. PAMER
No. 20961
1/3/25

SOUTH CAROLINA
SEAMON, WHITESIDE & ASSOCIATES, INC.
No. C00472
CERTIFICATE OF AUTHORIZATION

SEALS

NOTES:

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REVISIONS		
	0	12/16/24

Project Status

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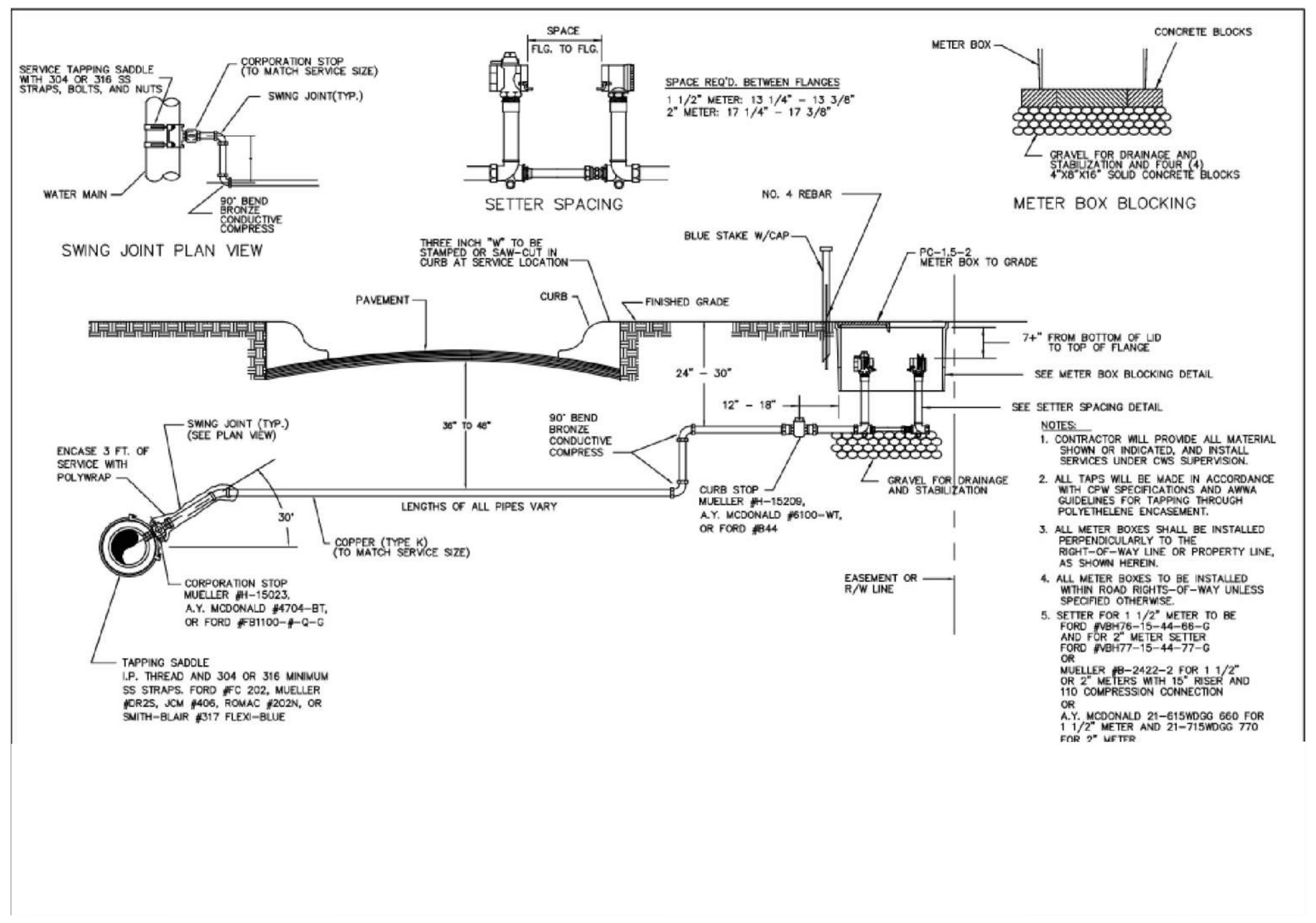
SEWER & WATER PLAN

SHEET NAME

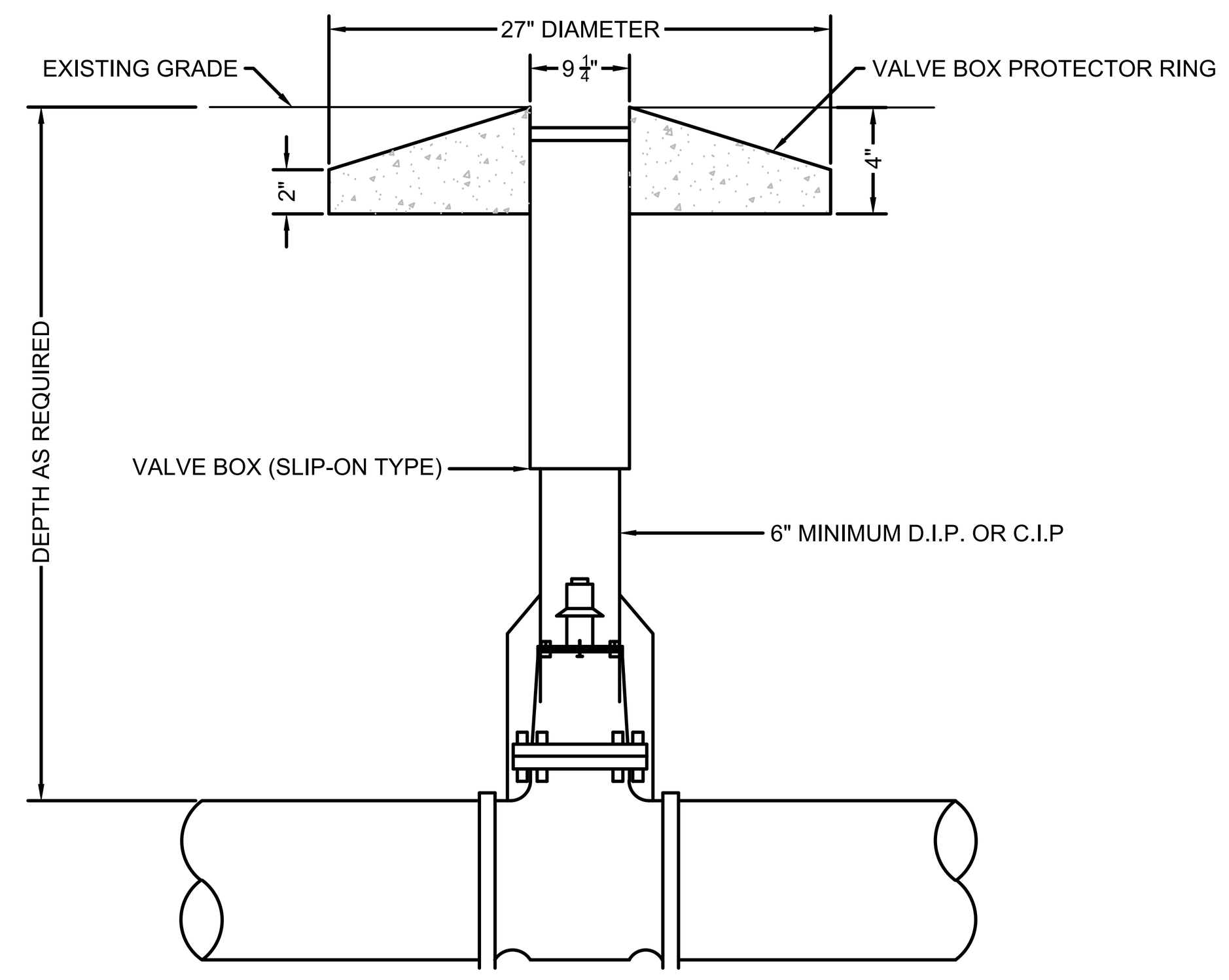
PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C600

1/8/2025 3:30 PM

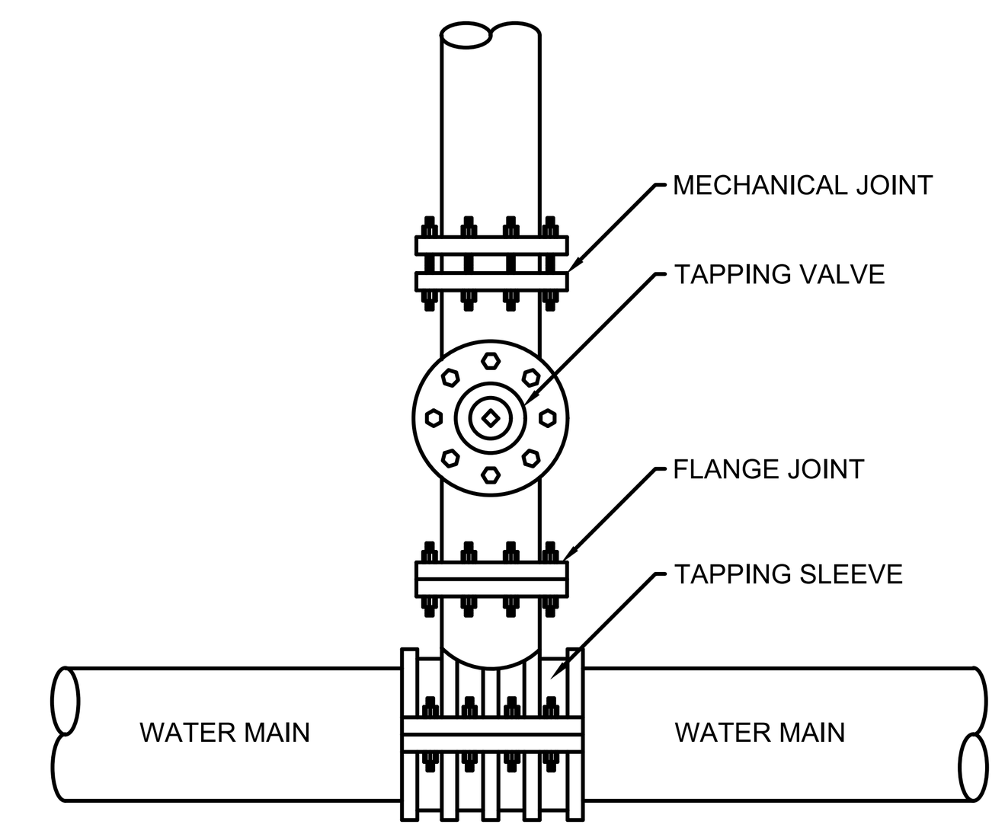


1 1/2" AND 2" WATER SERVICE
SCALE: NOT TO SCALE

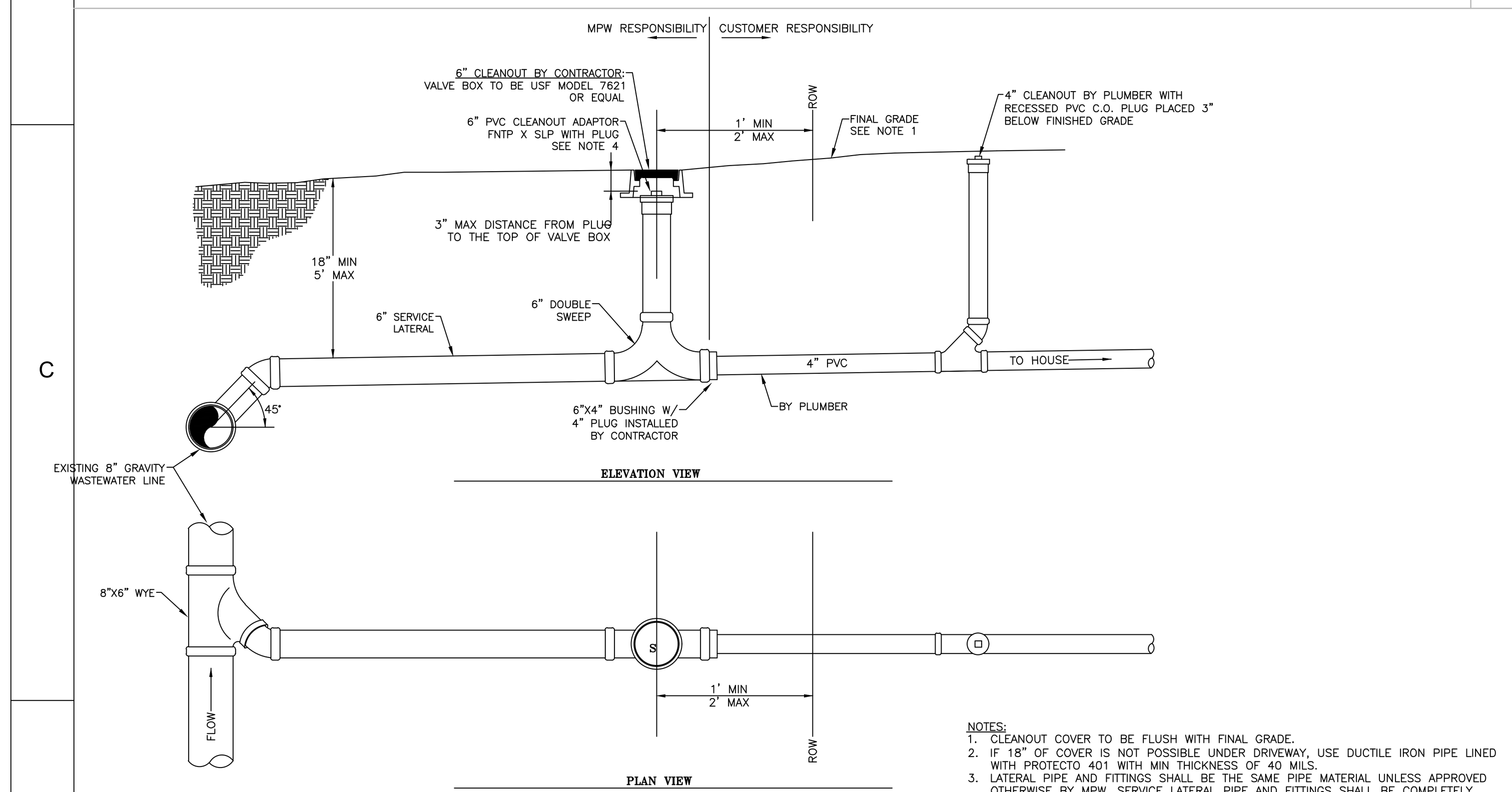


NOTES:
1. GATE VALVE SHALL BE MUELLER MODEL A2360.
2. GATE VALVES SHALL OPEN LEFT.
3. SCREW TYPE VALVE BOX MAY BE USED AS ALTERNATE.
4. GATE VALVES 24" AND LARGER MUST BE MECHANICAL JOINT AND EQUIPPED WITH BY-PASS VALVES.

2 Gate Valve in Box
SCALE: NOT TO SCALE

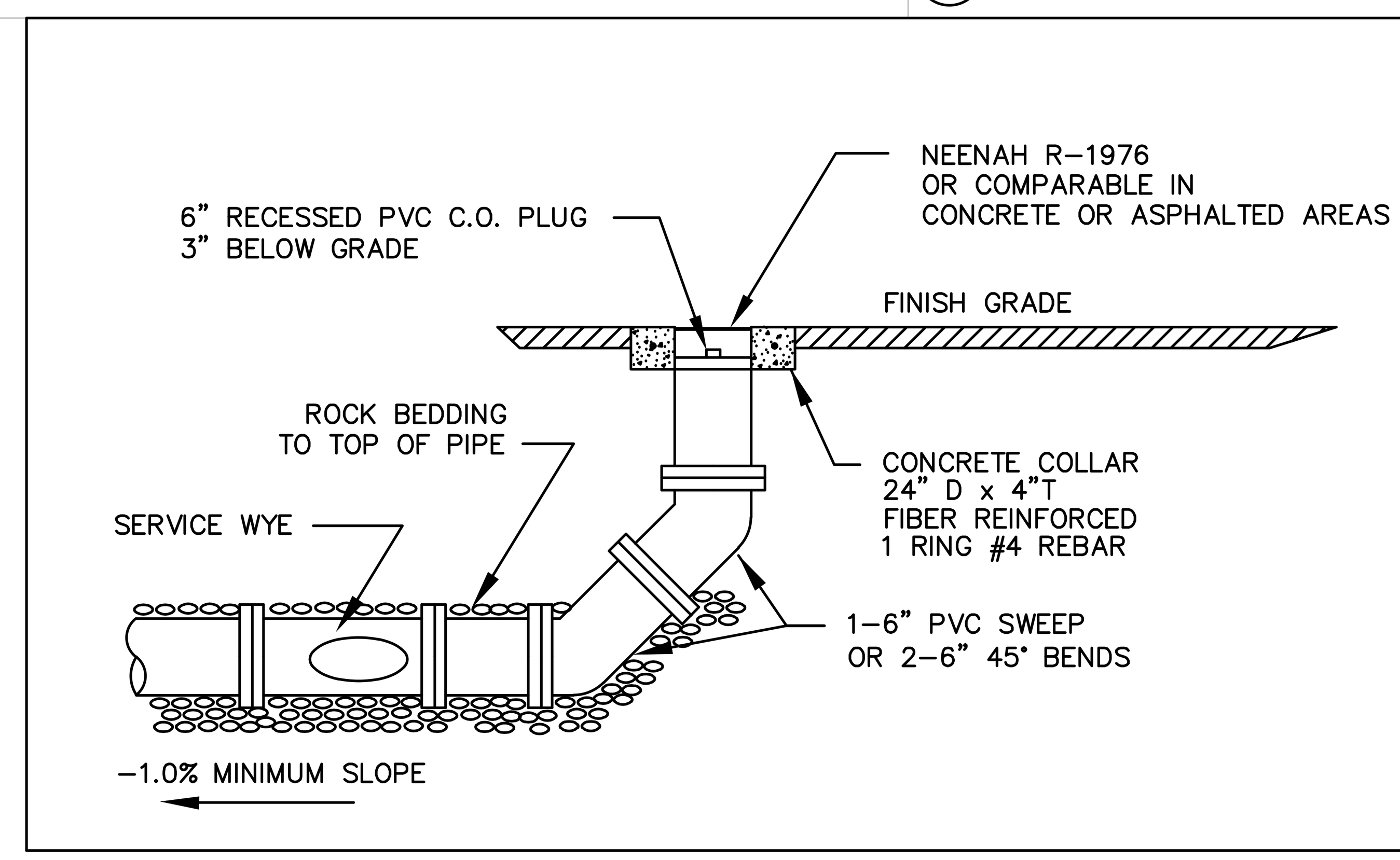


3 Tapping Sleeve and Valve
SCALE: NOT TO SCALE

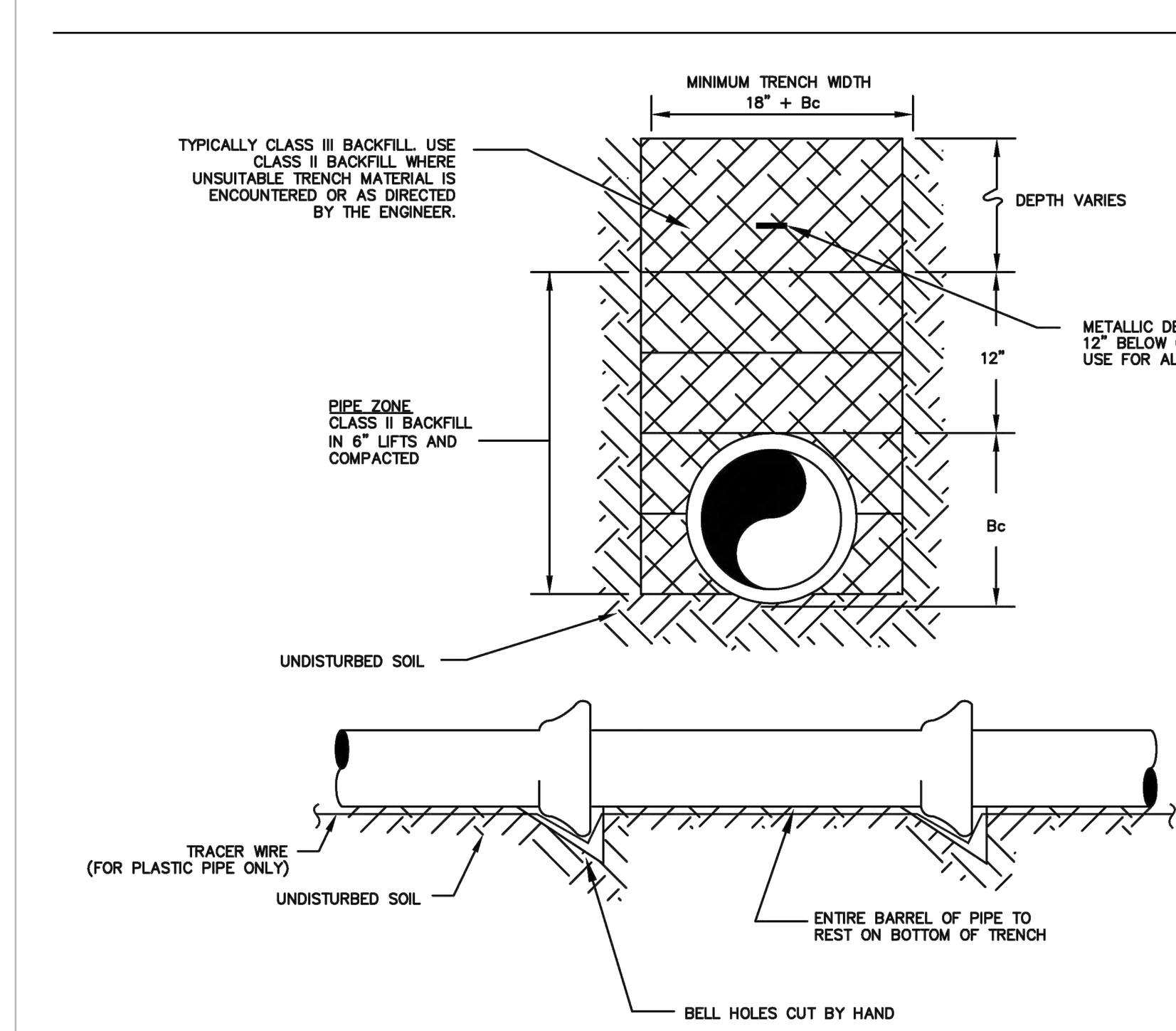


NOTES:
1. CLEANOUT COVER TO BE FLUSH WITH FINAL GRADE.
2. IF 18" OF COVER IS NOT POSSIBLE UNDER DRIVEWAY, USE DUCTILE IRON PIPE LINED WITH PROTECTO 401 WITH MIN THICKNESS OF 40 MILS.
3. LATERAL PIPE AND FITTINGS SHALL BE THE SAME PIPE MATERIAL UNLESS APPROVED OTHERWISE BY MPW. SERVICE LATERAL PIPE AND FITTINGS SHALL BE COMPLETELY ENCAPSULATED IN SCDOT NO. 57 STONE.
4. ALTERNATE CLEANOUT CAPS MUST BE APPROVED BY MPW.
5. VALVE BOXES SHALL BE GRAY IRON CONFORMING TO ASTM A48 CLASS 35 AND SHALL BE FULLY BITUMINOUS STEEL COATED. MIN LENGTH OF TOP SECTION TO BE 16 INCHES.
6. SERVICE LINE TO BE LAID ON A MINIMUM SLOPE OF 1/8" PER FOOT.
7. IF TYING INTO STACK, USE STREET ELLS OR DOUBLE 45'S
8. NO ADDITIONAL DISCHARGES (SUCH AS ROOF DRAINS, FLORIDA HEAT PUMPS, ETC.) SHALL BE ALLOWED INTO THE GRAVITY WASTEWATER LINE.

4 Typical Single Wastewater Service Connection
SCALE:



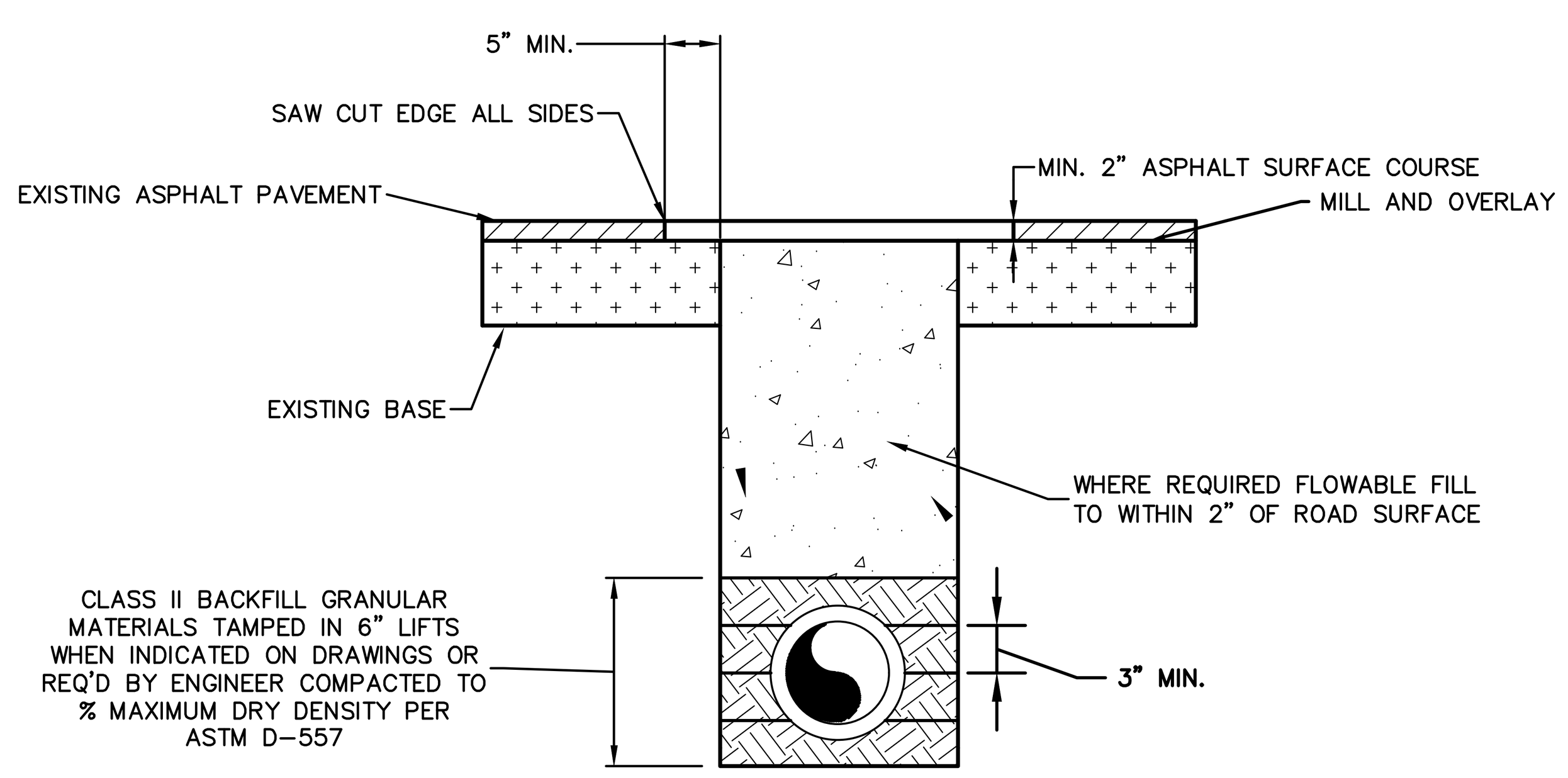
5 CLEANOUT (IN GRASSED AREAS)
SCALE: NOT TO SCALE



NOTES:

1. REFER TO SCDOT HIGHWAY DEPARTMENT, CITY, OR COUNTY PERMITS FOR ADDITIONAL REQUIREMENTS.
2. IF UNSUITABLE MATERIAL BENEATH FINAL PIPE GRADE IS ENCOUNTERED, SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH CRUSHED STONE AND COMPACTED TO PROPER GRADE.
3. ANY DEBRIS ENCOUNTERED IN TRENCH EXCAVATION SHALL BE REMOVED.

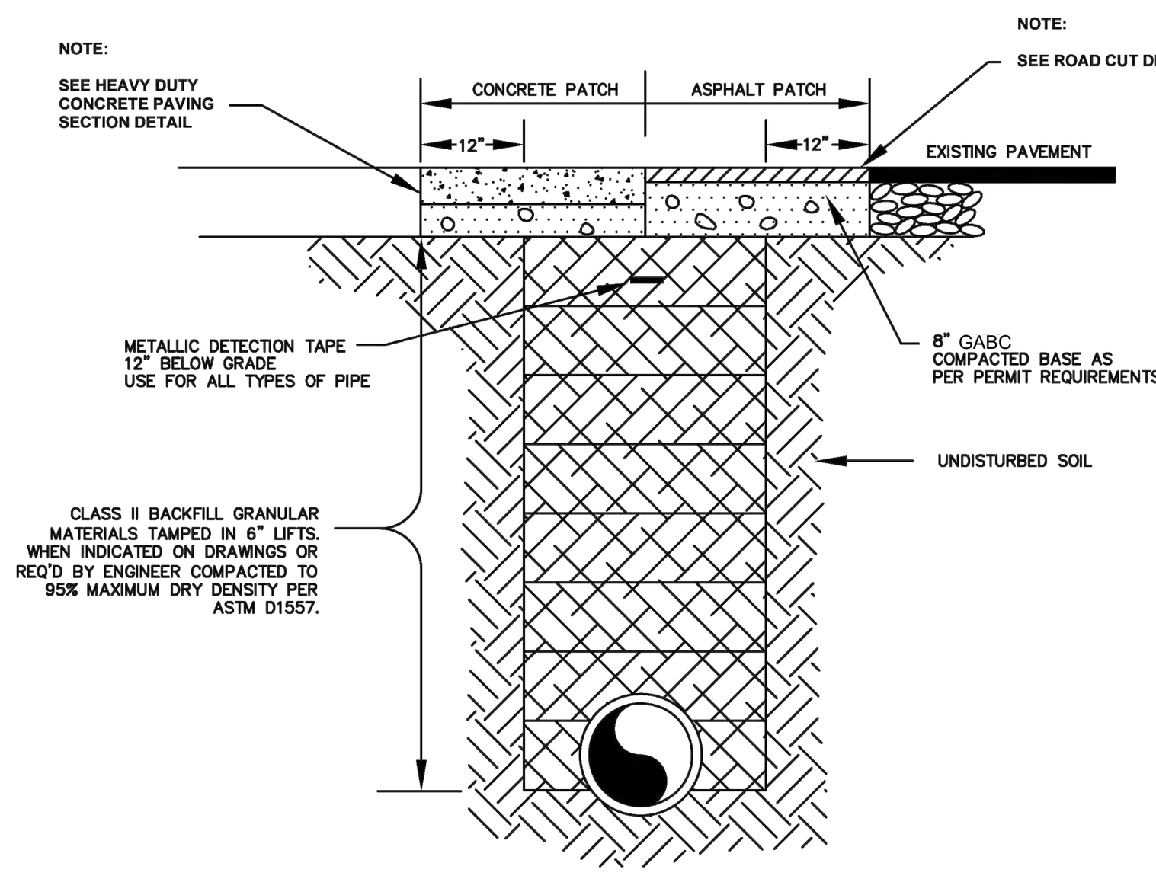
6 WATER MAIN BEDDING IN GRASSED AREA
SCALE: NOT TO SCALE



NOTES

1.) REFER TO SCDOT HIGHWAY DEPARTMENT, CITY, OR COUNTY FOR ADDITIONAL REQUIREMENTS.
2.) IF UNSTABLE MATERIAL BENEATH FINAL PIPE GRADE IS ENCOUNTERED, SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH CRUSHED STONE AND COMPACTED TO PROPER GRADE.
3.) ANY DEBRIS ENCOUNTERED IN THE TRENCH EXCAVATION SHALL BE REMOVED.

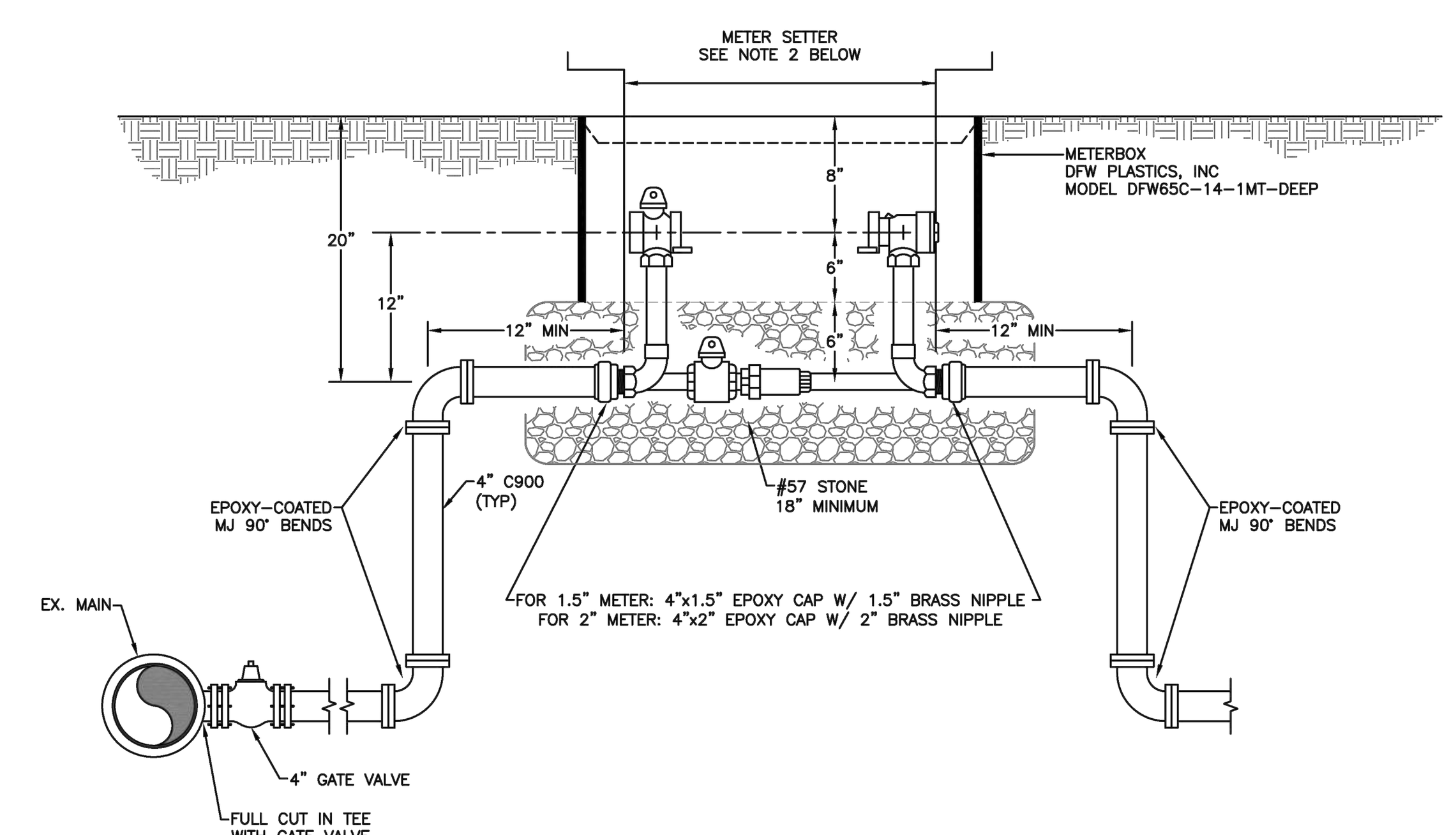
7 TYPICAL ROAD CUT IN SCDOT ROW
SCALE: NOT TO SCALE



NOTES:

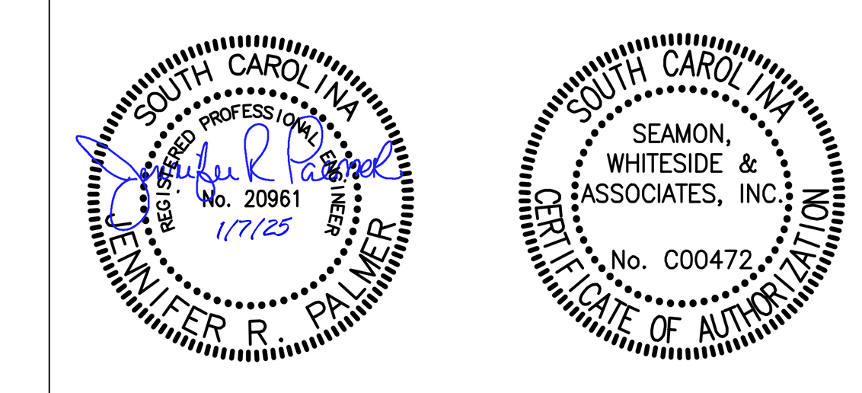
1. REFER TO SCDOT HIGHWAY DEPARTMENT, CITY, OR COUNTY PERMITS FOR ADDITIONAL REQUIREMENTS.
2. IF UNSUITABLE MATERIAL BENEATH FINAL PIPE GRADE IS ENCOUNTERED, SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH CRUSHED STONE AND COMPACTED TO PROPER GRADE.
3. ANY DEBRIS ENCOUNTERED IN TRENCH EXCAVATION SHALL BE REMOVED.

8 WATER MAIN UNDER PAVED DRIVEWAY (NON SCDOT ROAD)
SCALE: NOT TO SCALE



NOTES:
1. ALL JOINTS RESTRAINED.
2. METER SETTER APPROVED MANUFACTURERS:
   - A. FORD METER BOX CO, INC:
     - 1.5" METER: MODEL VBHH76-12BHC-11-66-NL
     - 2" METER: MODEL VBHH77-12BHC-11-77-NL
   - B. A.Y. MCDONALD MFG CO:
     - 1.5" METER: MODEL E-2-11799
     - 2" METER: MODEL E-2-11800

9 1-1/2" OR 2" WATER METER
SCALE: NOT TO SCALE



SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

0	12/16/24

REVISIONS

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

SHEET NAME
SEWER & WATER DETAILS

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

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1/7/2025 10:18 AM

HORIZONTAL BENDS

Nominal Pipe Size (in)	PVC					DIP (Wrapped in Polyethylene)				
	90° Bends L (ft)	45° Bends L (ft)	22.5° Bends L (ft)	11.25° Bends L (ft)	Valves or Dead Ends L (ft)	90° Bends L (ft)	45° Bends L (ft)	22.5° Bends L (ft)	11.25° Bends L (ft)	Valves or Dead Ends L (ft)
4	20	8	4	2	50	18	6	4	2	30
6	28	10	5	2	70	22	10	5	2	40
8	36	14	6	3	90	30	13	6	3	50
10	40	18	8	4	110	35	14	7	4	64
12	50	20	9	4	120	42	16	8	4	75
14	56	23	10	5	140	46	20	9	5	85
16	60	26	11	6	160	53	22	11	5	95
18	69	29	12	6	180	57	24	12	6	105
20	75	32	13	7	195	62	26	13	6	110
24	76	33	15	7	200	64	27	14	6	111

VERTICAL OFFSETS

Nominal Pipe Size (in)	PVC		DIP (Wrapped in Polyethylene)	
	UPPER BEND	LOWER BEND	UPPER BEND	LOWER BEND
	45° Bends L (ft)	45° Bends L (ft)	45° Bends L (ft)	45° Bends L (ft)
4	20	3	12	2
6	28	4	17	3
8	36	5	22	4
10	45	6	26	5
12	52	8	31	6
14	60	9	35	7
16	67	10	40	8
18	74	12	44	9
20	80	13	48	10
24	81	14	50	11

NOTES:

1. THIS SCHEDULE SHALL BE UTILIZED ON ALL WATER AND WASTEWATER FORCEMAINS. ALL FITTINGS SHALL BE RESTRAINED TO THE LENGTHS INDICATED IN THE ABOVE TABLE, AT A MINIMUM.
2. ASSUMPTIONS: SAFETY FACTOR=1.5, TEST PRESSURE=150 PSI, SOIL TYPE=GM OR SM, TRENCH TYPE 3, DEPTH OF COVER=36"
3. BENDS AND VALVES SHALL BE RESTRAINED ON EACH SIDE OF THE FITTING.
4. VERTICAL OFFSETS: ARE APPROXIMATELY 3 FEET OF COVER ON TOP AND APPROXIMATELY 8 FEET OF COVER ON THE BOTTOM. ALL BENDS ARE ASSUMED TO BE 45° BENDS.
5. DEVIATIONS FROM THESE CONDITIONS MUST BE BASED ON THE ABOVE PARAMETERS.

1 RESTRAINED JOINT TABLE
SCALE: NOT TO SCALE

TRUMBULL

Trumbull Manufacturing
3850 Hendricks Road, Youngstown, Ohio 44515
Phone: 330.270.7888 | Toll Free: 877.504.1507 | Fax: 330.392.0756
www.trumbull-mfg.com

US Patent No.'s 8,550,115 / 9,347,583 / 10,066,760

Valve Position Indicators

For Buried Service with Telescopic Extension Stems

- Eliminates broken valve stems caused by over-opening or over-closing
- Field-adjustable for any number of turns within the range of each model
- Constructed of heavy-duty, non-corrosive DuPont™ Delrin® polymer, providing high-impact resistance even in cold climates
- Double O-ring seals keep out water and dirt
- Third-party tested to over 1 million revolutions
- Provided with stainless steel hardware
- Also available for use above ground in the floor or with Wall Brackets (see pages F-7 to F-10)
- Telescopic stem eliminates the need for precise field measurement of extension stems and provides for ground movement caused by freezing and thawing

Ordering Instructions

1. Specify direction of open (open left or open right)
2. Model required (available in 57, 275 or 870 turns)

Model Number	Number of Turns	Open Left Item №	Open Right Item №
57T	0 - 57	367-9394	367-9393
275T	0 - 275	367-9398	367-9395
870T	0 - 870	367-9400	367-9399

3. Extension Stem required (telescopic)
   a. Length required (provide "A" dimension on the illustration shown on right side of page F-4)
   b. Carbon steel or stainless steel
4. Debris Shield, item 367-9415 is recommended for buried service

2 Post Indicator Valve
SCALE: NOT TO SCALE

TRUMBULL

Trumbull Manufacturing
3850 Hendricks Road, Youngstown, Ohio 44515
Phone: 330.270.7888 | Toll Free: 877.504.1507 | Fax: 330.392.0756
www.trumbull-mfg.com

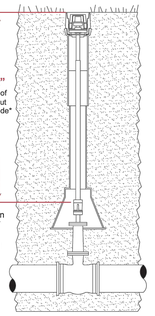
Exploded View

of Telescopic Extension Stem for Buried Service

TELESCOPIC EXTENSION STEM

* Wrench nut coupling welded to stem at factory.

** When bottom coupling is purchased separately, pin is provided.



* The dimension from top of 2" valve nut to grade is used to determine Extension Stem length, per ordering instructions on page F-3.

US Patent No.'s 8,550,115 / 9,347,583 / 10,066,760

Extension Stem Adjustment Ranges and Torque Ratings

for Telescopic Extension Stems

Range of Dimension "A"		Square Telescopic Extension Stems		
Minimum	Maximum	Length of 1-1/4" Top Part	Length of 1-1/2" Bottom Part	Torque In ft-lb
3 ft.	4-1/2 ft.	30"	30"	300 ft-lb
4-1/2 ft.	6 ft.	30"	48"	300 ft-lb
6 ft.	7-1/2 ft.	30"	66"	300 ft-lb
7-1/2 ft.	9 ft.	30"	84"	300 ft-lb
9 ft.	10-1/2 ft.	30"	102"	300 ft-lb

Other stem ranges available upon request.

09/01/20 Page Revision

SOUTH CAROLINA PROFESSIONAL ENGINEER JEFFREY R. PAYNE No. 20961 1/7/25

SOUTH CAROLINA SEAMON, WHITESIDE & ASSOCIATES, INC. No. C00472 CERTIFICATE OF AUTHORIZATION

SEALS

NOTES:

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843.884.1667
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843.972.0710
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864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

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CAPLEA|COE ARCHITECTS

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
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843.577.6073

SHEET NAME: SEWER & WATER DETAILS

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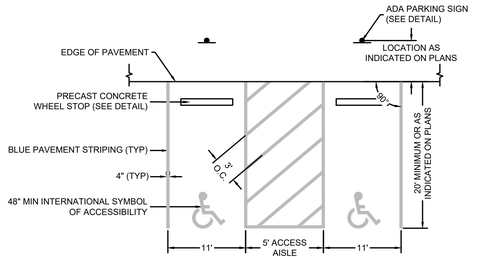
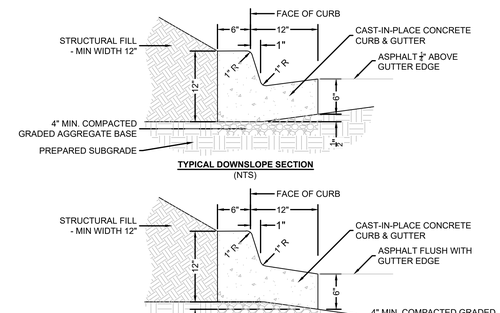


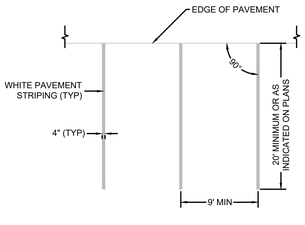
NOTES:
1. ALL ADA PARKING SPACES TO BE TRAFFIC RATED CONCRETE - SEE GEOTECH PAVEMENT SECTIONS
2. ALL PAVEMENT STRIPING TO BE TRAFFIC PAINT
3. THE LONGITUDINAL SLOPE OF ALL SURFACES ALONG THE ADA ACCESSIBLE ROUTE, WHICH ARE NOT SPECIFICALLY NOTED AS BEING A RAMP SHALL NOT EXCEED 1:20.
4. RAMPS SHALL NOT EXCEED A SLOPE OF 1:12.
5. NO TRANSVERSE SLOPE SHALL EXCEED 1:50.
6. CONTRACTOR SHALL FIELD VERIFY SLOPES BEFORE INSTALLATION AND NOTIFY ENGINEER IMMEDIATELY IF MAXIMUM SLOPES ARE EXCEEDED

1 90 Degree Parking Space Striping ADA 11'-5'-11'
SCALE: NOT TO SCALE



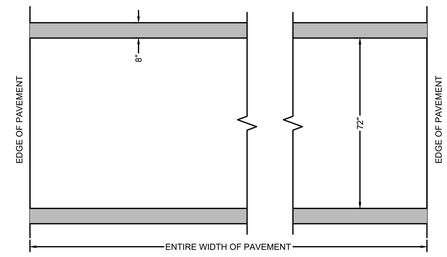
NOTES:
1. ALTERNATE UPSLOPE SECTION TO BE USED ONLY WHEN DRAINING AWAY FROM CURB.
2. UNLESS OTHERWISE SHOWN ON DRAWINGS, LOCATE CONTROL JOINTS AT 10' INTERVALS AND EXPANSION JOINTS AT 50' INTERVALS. WHERE CURB IS ADJACENT TO CONCRETE WALK, JOINTS SHALL COINCIDE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE SPECIFIED, CONCRETE CURB & GUTTER MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH SCDOT REQUIREMENTS.

2 18" Straight Curb and Gutter
SCALE: NOT TO SCALE



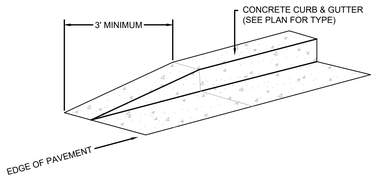
NOTES:
1. DO NOT CONTINUE STRIPING INTO GUTTER
2. ALL STRIPING TO BE TRAFFIC PAINT

3 90 Degree Parking Space Striping
SCALE: NOT TO SCALE

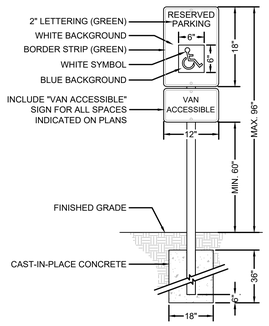


NOTES:
1. ALL MARKINGS SHALL BE THERMOPLASTIC.
2. ALL MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH S.C.D.O.T. STANDARD SPECIFICATIONS AND SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
3. ALL MARKINGS IN SCDOT R/W TO BE THERMOPLASTIC.

4 Pavement Marking - Crosswalk
SCALE: NOT TO SCALE

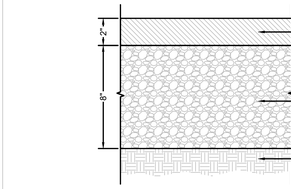


5 Depressed Curb
SCALE: NOT TO SCALE



NOTES:
1. SIGN SHALL BE 0.080" THICK ALUMINUM WITH APPLIED REFLECTIVE SHEETING IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS.
2. POST SHALL BE 3" SQUARE OR 3" DIA. STEEL TUBE WITH WELDED CAP (PAINTED BLACK).
3. CONTRACTOR TO WALL MOUNT SIGN WHERE SPECIFIED.

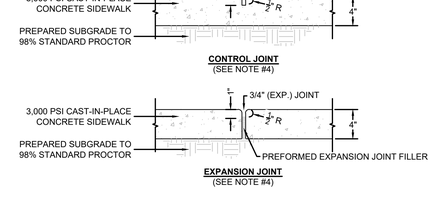
6 ADA Parking Sign
SCALE: NOT TO SCALE



ITEM:	MATERIAL:	SWA SPECIFICATION SECTION NAME:
SUBGRADE	PREPARED IN-SITU SUBSOIL OR STRUCTURAL FILL	EARTH MOVING
BASE COURSE	GRADED AGGREGATE BASE COURSE	EARTH MOVING
SURFACE COURSE	HOT MIX ASPHALT SURFACE COURSE (TYPE C)	ASPHALT PAVING

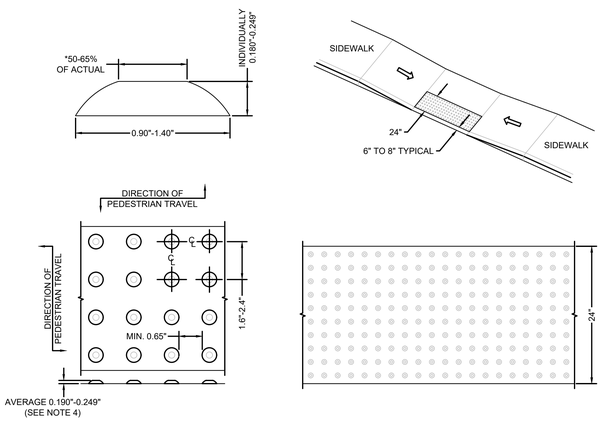
PAVING NOTES:
1. SUBGRADE, BASE COURSE AND PAVEMENT CONSTRUCTION METHODS SHALL MEET THE MINIMUM REQUIREMENTS OF THE SCDOT "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", LATEST EDITION.
2. SEE SITE MATERIALS PLAN FOR LOCATION OF PROPOSED SURFACES.
3. SEE REFERENCED SCDOT STANDARD SPECIFICATION SECTIONS FOR MATERIAL, EQUIPMENT, AND CONSTRUCTION REQUIREMENTS.
4. REFER TO THE GEOTECHNICAL REPORT BY TERRACON FOR PAVEMENT DESIGN SECTIONS. (EDISTO TOWN HALL GEOTECHNICAL ENGINEERING REPORT, DATED 3/23/2023). CONTRACTOR MUST COORDINATE REQUIRED GEOTECHNICAL TESTING & INSPECTION TO ENSURE THAT SUBGRADE AND PAVEMENT STRENGTH REQUIREMENTS ARE MET.
5. SWA, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE PERFORMANCE OF THE DEPICTED PAVEMENT SECTION DESIGN. REFER TO THE GEOTECHNICAL ENGINEER FOR PAVEMENT DESIGN SECTIONS

7 Standard Duty Asphalt Pavement Section
SCALE: NOT TO SCALE



NOTES:
1. SIDEWALK CROSS SLOPE NOT TO EXCEED 2%.
2. SIDEWALK TO HAVE LIGHT BROOM FINISH, PERPENDICULAR TO DIRECTION OF TRAVEL.
3. SEE PLAN FOR SIDEWALK WIDTH.
4. UNLESS OTHERWISE SHOWN ON DRAWINGS, SPACE CONTROL JOINTS AT TWICE THE SIDEWALK WIDTH, NOT TO EXCEED 10'. SPACE EXPANSION JOINTS TO COINCIDE WITH CONTROL JOINTS, NOT TO EXCEED 30'. WHERE CURB IS ADJACENT TO CONCRETE WALK, JOINTS SHALL COINCIDE. SEE SPECIFICATIONS FOR ADDITIONAL INFO.
5. PLACE EXPANSION JOINTS BETWEEN THE SIDEWALK EDGE AND THE BACK OF CURB WHEN ALONG A RADIUS LESS THAN 100'

8 Concrete Sidewalk Detail
SCALE: NOT TO SCALE



NOTES:
1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS: (A) WHERE A SIDEWALK CROSSES A VEHICULAR WAY, EXCLUDING UN-SIGNALIZED RESIDENTIAL DRIVEWAY CROSSINGS. (B) WHERE A RAIL SYSTEM CROSSES A PEDESTRIAN FACILITY THAT IS NOT SHARED WITH VEHICLES. (C) AT ISLANDS AND MEDIANS THAT ARE CUT THROUGH LEVEL WITH THE ROADWAY.
2. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE CURB LINE. THE SURFACE SHALL EXTEND A MINIMUM OF 24" ONTO THE RAMP IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE CURB RAMP.
3. AT RAIL CROSSINGS, THE DETECTABLE WARNING SURFACE SHALL BE 24" DEEP AND FULL WIDTH OF THE SIDEWALK. THE EDGE OF THE SURFACE NEAREST THE RAIL CROSSING IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE VEHICLE DYNAMIC ENVELOPE (6' FROM THE NEAREST RAIL) UNLESS OTHERWISE NOTED BY THE RAILROAD.
4. DETECTABLE WARNING SURFACES SHALL CONSIST OF AN AREA OF TRUNCATED DOMES ALIGNED IN A SQUARE GRID PATTERN. THE BASE OF THESE DOMES SHALL BE 0.90"-1.40". THE TOP DIAMETER OF DOMES SHALL BE 50%-65% OF ACTUAL BASE DIAMETER. WITH A MINIMUM INDIVIDUAL HEIGHT OF 0.180" AND A MAXIMUM HEIGHT OF 0.249". THE AVERAGE OF TEN (10) INDIVIDUAL NODES PICKED AT RANDOM IN ANY SQUARE FOOT AREA SHALL BE 0.190"-0.249". THE DETECTABLE WARNING DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6-2.4".
5. WHEN DOMES IN ANY ONE FOOT SQUARE AREA WEAR TO AN AVERAGE HEIGHT BELOW 0.151", THE SURFACE IS TO BE REPLACED.
6. FOR ALL DETECTABLE WARNING SURFACES, THE DEPARTMENT'S DEFAULT COLOR IS SAFETY YELLOW (FEDERAL NUMBER 33538) UNLESS A SPECIFIC PROJECT REQUIRES ANOTHER COLOR. WHEN A COLOR OTHER THAN SAFETY YELLOW IS SELECTED FOR A PROJECT, THE COLOR SELECTED WILL CONTRAST EITHER LIGHT-ON-DARK OR DARK-ON LIGHT.

9 Detectable Warning Surfaces
SCALE: NOT TO SCALE

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
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CHARLOTTE, NC
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RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO
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SOUTH CAROLINA 29438

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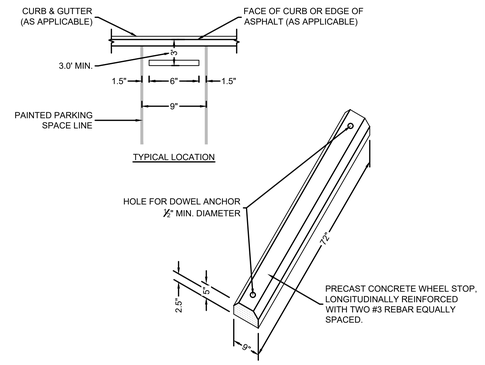
SITE INFRASTRUCTURE DETAILS

SHEET NAME

PROJECT NUMBER 10211
DRAWN BY KYC
CHECKED BY JRP
DATE 12/16/2024
SCALE

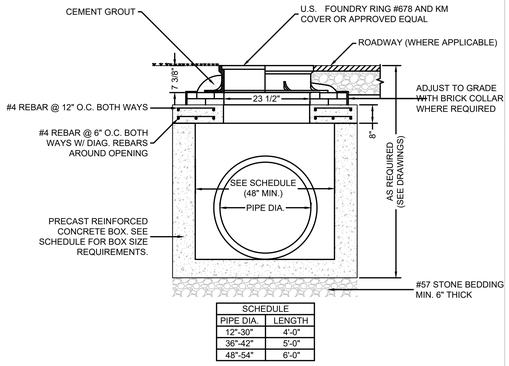
C800

1/7/2025 10:19 AM



NOTES:
1. ANCHOR WITH 24" LONG GALVANIZED STEEL DOWELS DRIVEN INTO ANCHOR HOLES. DOWEL DIAMETER SHALL BE MIN. SMALLER THAN ANCHOR HOLE.

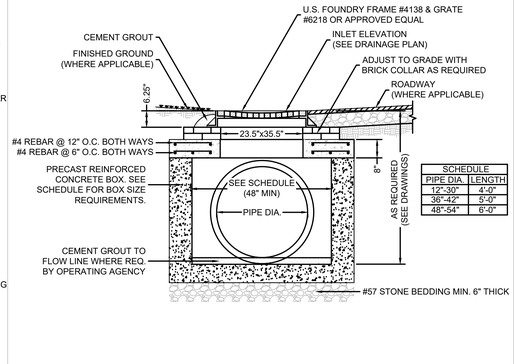
1 Precast Concrete Wheel Stop
SCALE: NOT TO SCALE



SCHEDULE	
PIPE DIA.	LENGTH
12"-30"	4'-0"
36"-42"	5'-0"
48"-54"	6'-0"

NOTES:
1. SEE REFERENCED SPECIFICATION SECTIONS FOR GENERAL, PRODUCT, AND EXECUTION REQUIREMENTS.
2. BRICK COLLAR SHALL BE COATED WITH 1/2" THICK MORTAR INSIDE AND OUTSIDE.

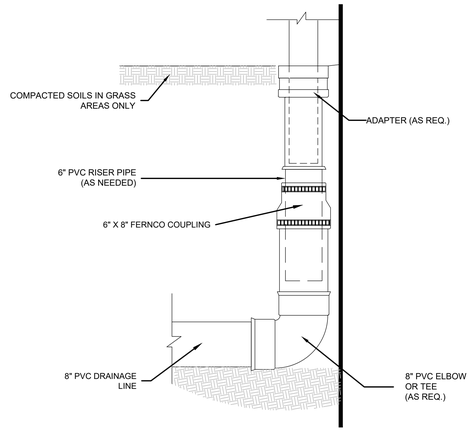
2 Junction Box
SCALE: NOT TO SCALE



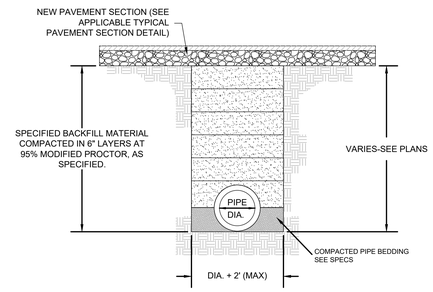
SCHEDULE	
PIPE DIA.	LENGTH
12"-30"	4'-0"
36"-42"	5'-0"
48"-54"	6'-0"

NOTES:
1. BRICK COLLAR SHALL BE COATED WITH 1/2" THICK MORTAR INSIDE AND OUTSIDE.

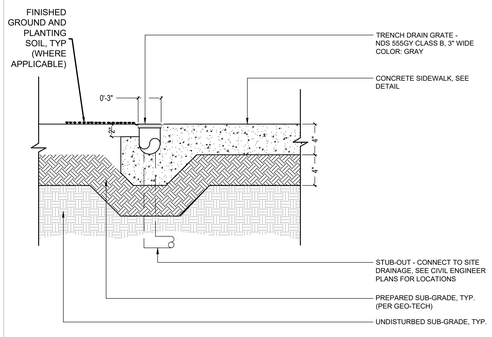
3 Catch Basin
SCALE: NOT TO SCALE



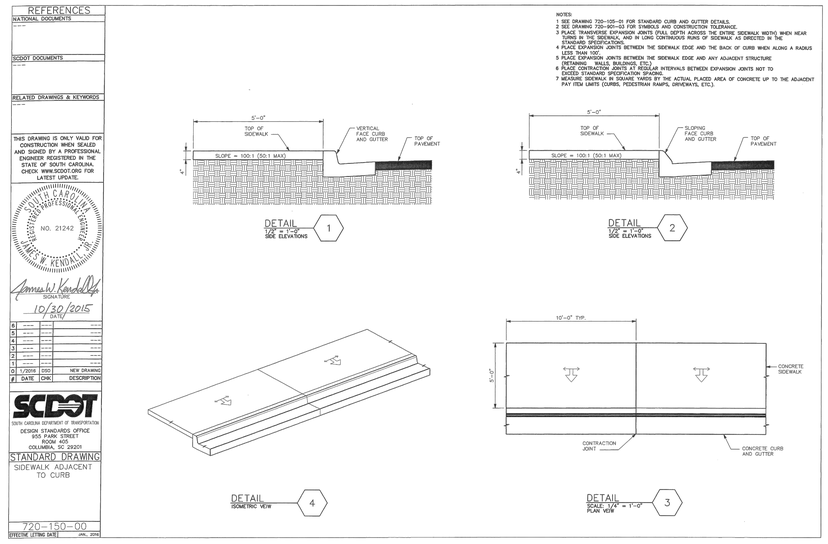
4 Roof Drain Connection
SCALE: NOT TO SCALE

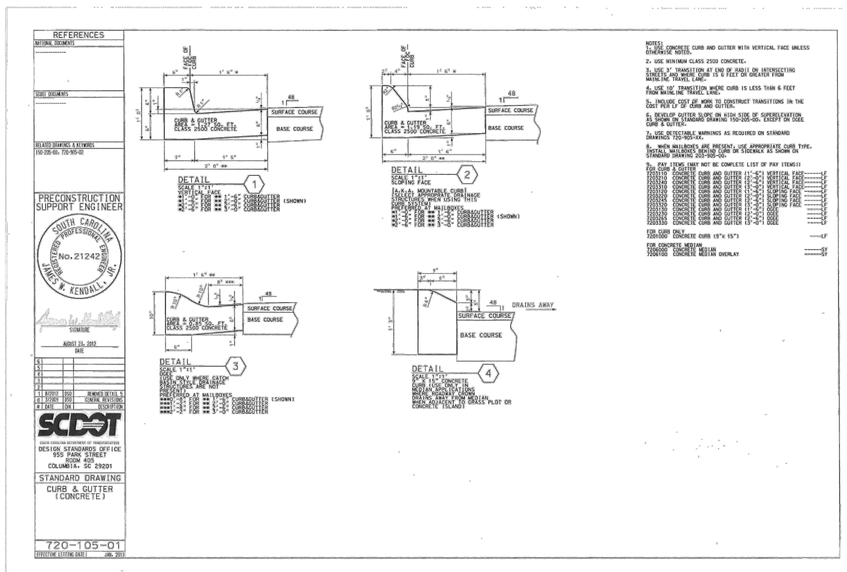


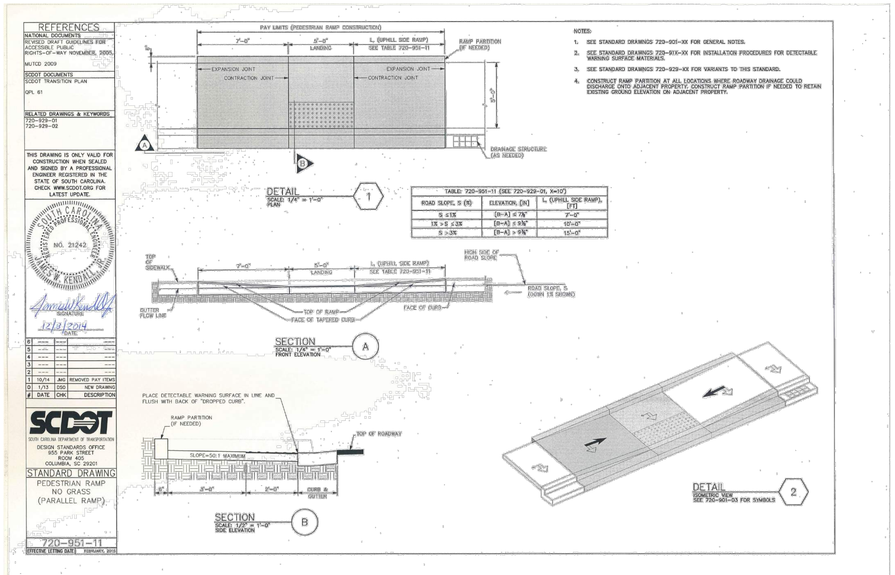
5 Storm Drainage Pipe Trench (Under Paved Areas)
SCALE: NOT TO SCALE



6 Trench Drain
SCALE: NOT TO SCALE







SOUTH CAROLINA PROFESSIONAL ENGINEER — JENNIFER R. PALMER — No. 20961 — 1/9/25

SOUTH CAROLINA — SEAMON, WHITESIDE & ASSOCIATES, INC. — No. C00472 — CERTIFICATE OF AUTHORIZATION

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

SITE INFRASTRUCTURE DETAILS

SHEET NAME

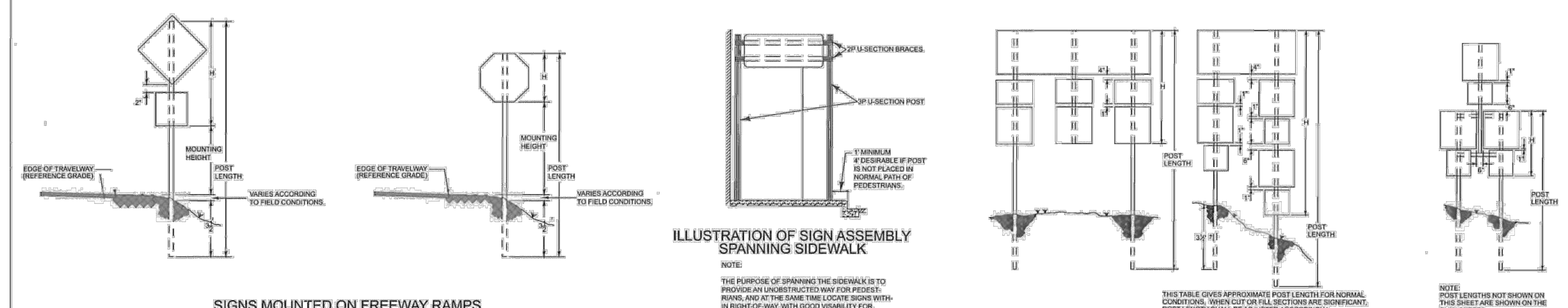
PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C801

1/9/2025 11:07 AM

1	2	3	4	5	6	7	8	9

FLAT SHEET SIGN MOUNTING DETAILS



SIGNS MOUNTED ON FREEWAY RAMPS AND CONVENTIONAL ROADS

ILLUSTRATION OF SIGN ASSEMBLY SPANNING SIDEWALK

NOTE:

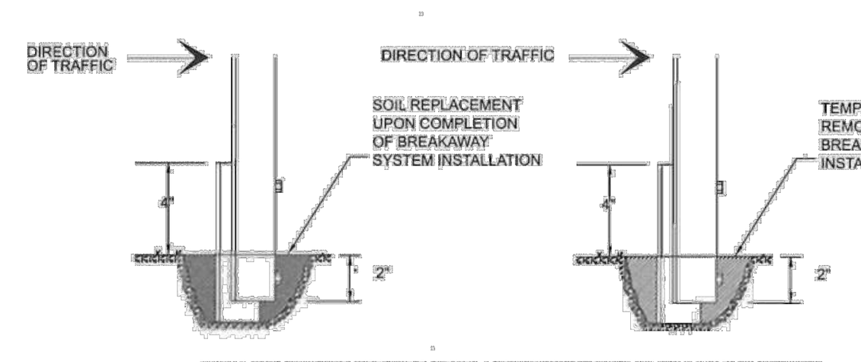
THE PURPOSE OF SPANNING THE SIDEWALK IS TO PROVIDE AN UNOBSTRUCTED WAY FOR PEDESTRIANS, AND AT THE SAME TIME LOCATE SIGNS WITHIN RIGHT-OF-WAY WITH GOOD VISABILITY FOR TRAFFIC. EACH INSTALLATION MUST BE INDIVIDUALLY PLANNED AND CONSTRUCTED TO ACCOMPLISH THIS PURPOSE. THE PROJECT ENGINEER SHOULD APPROVE THE CONTRACTORS PLAN FOR SUPPORTING SIGNS SPANNING SIDEWALKS BEFORE THEY ARE ERECTED.

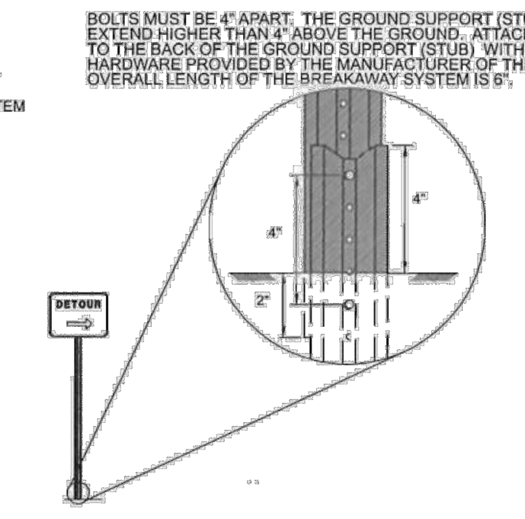
THIS TABLE GIVES APPROXIMATE POST LENGTH FOR NORMAL CONDITIONS. WHEN CUT OR FILL SECTIONS ARE SIGNIFICANT, POST LENGTH SHALL BE ADJUSTED ACCORDINGLY.

WHEN H IS	LESS THAN 2'	2' TO 2'-11"	3' TO 3'-11"	4' TO 4'-11"	5' AND LONGER
POST LENGTH (FT.) FOR 5' MOUNTING HGT.	10'	12'	13'	14'	H PLUS 10'

NOTE: ADD 2' TO POST LENGTH FOR 7' MOUNTING HEIGHT.

NOTE: POST LENGTHS NOT SHOWN ON THIS SHEET ARE SHOWN ON THE PLAN SHEETS.



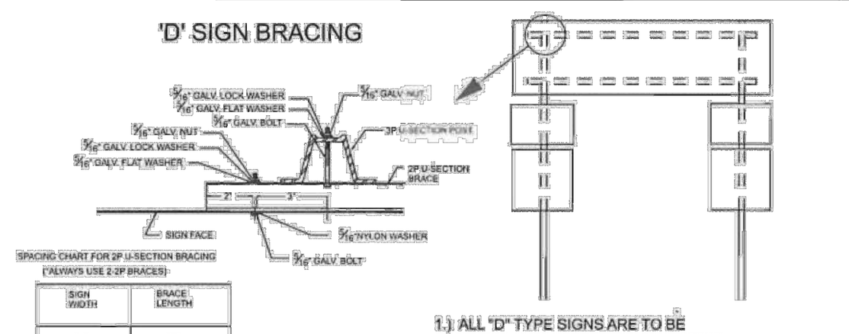


BOLTS MUST BE 4" APART. THE GROUND SUPPORT (STUB) SHALL NOT EXTEND HIGHER THAN 4" ABOVE THE GROUND. ATTACH THE SIGN SUPPORT TO THE BACK OF THE GROUND SUPPORT (STUB) WITH THE APPROPRIATE HARDWARE PROVIDED BY THE MANUFACTURER OF THE BREAKAWAY SYSTEM. OVERALL LENGTH OF THE BREAKAWAY SYSTEM IS 6".

DRIVE THE GROUND SUPPORT (STUB) APPROXIMATELY 30" TO 36" INTO THE GROUND AS SPECIFIED BY THE MANUFACTURER OF THE BREAKAWAY SYSTEM SO THAT NO MORE THAN 4" OF THE GROUND SUPPORT (STUB) EXTENDS ABOVE THE GROUND. REMOVE ENOUGH SOIL FROM AROUND THE GROUND SUPPORT (STUB) TO PERMIT ACCESS TO THE HOLES FOR THE INSERTION AND TIGHTENING OF THE LOWER BOLT OF THE BREAKAWAY SYSTEM. UPON COMPLETING THE INSTALLATION OF THE BREAKAWAY SYSTEM, REPLACE THE SOIL AND TAMP.

LAP SPLICE FOR U-SECTION POSTS

'D' SIGN BRACING



SPACING CHART FOR 2P U-SECTION BRACING (*ALWAYS USE 2-2P BRACES)

SIGN WIDTH	BRACE LENGTH
72"	56"
78"	60"
84"	64"
90"	68"
96"	72"
102"	76"
108"	80"
114"	84"
120"	88"
126"	92"
135"	100"
144"	104"
150"	108"
156"	112"

1.) ALL "D" TYPE SIGNS ARE TO BE SUPPORTED BY 2 VERTICAL U-SECTION POSTS. ALL "D" TYPE SIGNS WHICH ARE 6' WIDE OR WIDER WILL BE HORIZONTALLY BRACED WITH 2, 2P U-SECTION POSTS. ADDITIONALLY, ANY ASSEMBLY OF SIGNS ATTACHED BETWEEN VERTICAL SUPPORTS WILL BE ATTACHED WITH A PRESCRIBED LENGTH OF U-SECTION POST.

2.) ALL 2P POSTS USED AS CENTER VERTICAL MEMBERS IN SIGN ASSEMBLIES SHALL HAVE HOLES ON 1" CENTERS FOR ENTIRE LENGTH.

SIZE & LENGTH OF U-SECTION POSTS FOR SINGLE SIGNS

POST QUANTITY, SIZE & LENGTH FOR INSTALLATIONS HAVING MORE THAN ONE SIGN ARE SHOWN ON THE PLANS.

SIGN NO.	NO. OF POSTS	5' MTG. HT. LBS./FT.	5' MTG. HT. LGTH.	7' MTG. HT. LBS./FT.	7' MTG. HT. LGTH.
R1-1-24	1	3P	12	3P	14
R1-1-30	1	3P	12	3P	14
R1-1-48	2	3P	14	3P	16
R1-2-36	1	3P	12	3P	14
R1-2-48	2	3P	13	3P	15
R2-1-24	1	3P	12	3P	14
R2-5c-24	1	3P	12	3P	14
R2-5c-48	2	3P	15	3P	17
R2-6-24	1	3P	12	3P	14
R4-1-24	1	3P	12	3P	14
R4-2-24	1	3P	12	3P	14
R4-3-24	1	3P	12	3P	14
R4-3-36	2	3P	14	3P	16
R4-4-42	2	3P	14	3P	16
R5-1-30	1	3P	12	3P	14
R5-1-36	2	3P	13	3P	15
R5-1a-36	2	3P	12	3P	14
R5-10a-30	1	3P	13		
R6-1-36	1	3P	10	3P	12
R6-4-36	2	3P	12	3P	14
R6-8-42	2	3P	12	3P	14
R11-1-24	1	3P	12	3P	14
R11-1-36	2	3P	14	3P	16
R11-1-48	2	3P	12	3P	14
R11-5-36	2	3P	12	3P	14
R11-6-48	2	3P	12	3P	14
R11-7-30	1	3P	12	3P	14
R16-1-30	1	3P	13	3P	15
W1-1-30	1	3P	13	3P	15
W1-1-36	1	3P	14	3P	14
W1-2-30	1	3P	13	3P	15
W1-2-36	1	3P	14	3P	16
W1-3-30	1	3P	13	3P	15
W1-3-36	1	3P	14	3P	16
W1-4-30	1	3P	13	3P	15
W1-4-36	1	3P	14	3P	16
W1-5L-30	1	3P	13	3P	15
W1-6-48	2	3P	12	3P	14
W1-7-48	2	3P	12	3P	14
W2-1-24	1	3P	12	3P	14
W2-1-30	1	3P	13	3P	15
W2-1-36	1	3P	14	3P	16
W2-2-24	1	3P	12	3P	14
W2-5-30	1	3P	13	3P	15
W3-1-36	1	3P	14	3P	16
W3-2-36	1	3P	14	3P	16
W5-1-36	1	3P	14	3P	16
W9-1-36	1	3P	14	3P	16
W9-2-36	1	3P	14	3P	16
W8-3-30	1	3P	13	3P	15
W14-1-24	1	3P	12	3P	14
W14-1-30	1	3P	13	3P	15
W6-4-48	2	3P	14	3P	16
W10-1-36	1	3P	13	3P	15
THE FOLLOWING TO BE MOUNTED AT 4' HT.					
D10-1-12-XX	1	2P	10		
D10-2-12-XX	1	2P	11		
D10-3-12-XX	1	2P	12		
THE FOLLOWING TO BE MOUNTED AT 6' HT.					
R1-2-60	2	3P			
R4-3-48	2	3P			
R8-4-48	2	3P			
R11-1-48	2	3P			
W13-2-48	2	3P			

NOTE:

POST LENGTHS SHOWN IN THIS CHART ARE GENERAL AND SHOULD BE USED FOR BID PURPOSES ONLY. CONTRACTOR IS REQUIRED TO VERIFY FIELD CONDITIONS TO DETERMINE EXACT LENGTHS OF POSTS NEEDED.

DELINEATOR POSTS SHALL BE 2P U-SECTION POST 7½' LONG.

REFERENCES

SIGNING AND MARKING ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 23845 MARK H. ANTHONY

SIGNATURE 2-11-08 DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1			
0			

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

FLAT SHEET MOUNTING DETAILS

651-110-00

EFFECTIVE LETTING DATE MAY 2008

REFERENCES

SIGNING AND MARKING ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 23845 MARK H. ANTHONY

SIGNATURE 2-11-08 DATE

DESCRIPTION	CHK	DATE	#
			6
			5
			4
			3
			2
			1
			0

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

STANDARD SIGNS

651-115-01

MAY 2008 EFFECTIVE LETTING DATE

SOUTH CAROLINA STANDARD SIGNS

DETAILED DRAWIINGS FOR MOST SIGNS ARE CONTAINED IN THE STANDARD SIGNING BOOK. DETAILED DRAWINGS FOR ALL OTHER SIGNS ARE AVAILABLE FROM THE DIRECTOR OF TRAFFIC ENGINEERING.

REGULATORY SIGNS OVERHEAD APPLICATIONS (TYPE VIII OR IX REFLECTIVE SHEETING)

DESCRIPTION	SIZE	NUMBER	SIGN
BACKGROUND: RED-REFL. LEGEND & BORDER: WHITE	96"x30"	OHR1-1-96	STOP
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-5L-30	ONLY
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-5R-30	ONLY
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-5A-30	ONLY
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-6L-30	
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-6R-30	

REGULATORY SIGNS (TYPE III REFLECTIVE SHEETING)

DESCRIPTION	SIZE	NUMBER	SIGN
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30" x 36" 48" x 60"	R18-1-30 R18-1-48	PENALTY FOR LITTERING UP TO $1000 AND PRISON
BACKGROUNG: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 18" 48" x 36"	R22-1-24 R22-1-48	STATE LAW FASTEN SEAT BELTS
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 30" 36" x 48" 48" x 60"	R4-6-24 R4-6-36 R4-6-48	TRUCK LANE 500 FEET
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 30" 36" x 48" 48" x 60"	R4-7-24 R4-7-36 R4-7-48	
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 30" 36" x 48" 48" x 60"	R4-8-24 R4-8-36 R4-8-48	
SYMBOL: RED-REFL. LEGEND & BACKGROUND: WHITE-REFL.	30" x 30" 36" x 36" 48" x 48"	R5-1-30 R5-1-36 R5-1-48	DO NOT ENTER
BACKGROUND: RED-REFL. LEG. & BORDER: WHITE-REFL.	30" x 18" 36" x 24" 42" x 30"	R5-1a-30 R5-1a-36 R5-1a-42	WRONG WAY
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30" x 36"	R5-10-30	PROHIBITED
BACKGROUND & LEGEND: BLACK ARROW & BORDER: WHITE-REFL.	36" x 12" 54" x 18"	R6-1L-36 R6-1L-54	
BACKGROUND & LEGEND: BLACK ARROW & BORDER: WHITE-REFL.	36" x 12" 54" x 18"	R6-1R-36 R6-1R-54	
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	36" x 42"	R7-10-36	
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	36" x 42"	R7-10.1-36	
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	48" x 30"	R11-2-48	ROAD CLOSED
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	36" x 30"	R11-5-36	ROAD ENDS
BACKGROUND: WHITE-REFL. LEGEND & BORDER: RED-REFL.	30" x 30" 36" x 36" 48" x 48"	R1-1-30 R1-1-36 R1-1-48	STOP
BACKGROUND: WHITE-REFL. LEGEND & BORDER: RED-REFL.	36"x36"x36" 48"x48"x48" 60"x60"x60"	R1-2-36 R1-2-48 R1-2-60	YIELD
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 30" 36" x 48" 48" x 60"	R2-1-24-50* R2-1-36-50* R2-1-48-50*	SPEED LIMIT 50
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 48" 36" x 72" 48" x 96"	R2-4a-24-55/40* R2-4a-36-55/40* R2-4a-48-55/40*	SPEED LIMIT 55 MINIMUM 40
BACKGROUND: WHITE-REFL. PROHIB. SYMBOL: RED-REFL. ARROW & BORDER: BLACK	24" x 24" 30" x 30" 36" x 36" 48" x 48"	R3-1-24 R3-1-30 R3-1-36 R3-1-48	
BACKGROUND: WHITE-REFL. PROHIB. SYMBOL: RED-REFL. ARROW & BORDER: BLACK	24" x 24" 30" x 30" 36" x 36" 48" x 48"	R3-2-24 R3-2-30 R3-2-36 R3-2-48	
BACKGROUND: WHITE-REFL. PROHIB. SYMBOL: RED-REFL. ARROW & BORDER: BLACK	24" x 24" 30" x 30" 36" x 36" 48" x 48"	R3-4-24 R3-4-30 R3-4-36 R3-4-48	
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30" x 30"	R3-7L-30	LEFT LANE MUST TURN LEFT
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30" x 30"	R3-7R-30	RIGHT LANE MUST TURN RIGHT
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 30" 36" x 48" 48" x 60"	R4-1-24 R4-1-36 R4-1-48	DO NOT PASS
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 30" 36" x 48" 48" x 60"	R4-2-24 R4-2-36 R4-2-48	PASS WITH CARE
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24" x 30" 36" x 48" 48" x 60"	R4-5-24 R4-5-36 R4-5-48	TRUCKS USE RIGHT LANE

* LAST DIGITS DESIGNATE M.P.H.

THIS DRAWING IS NOT TO SCALE

REFERENCES

PAVEMENT MARKING TYPICAL

STANDARD MARKINGS FOR INTERSECTIONS

ADDITIONAL GUIDANCE THROUGH INTERSECTIONS DOTTED LINES

- THE PATTERN ILLUSTRATED BELOW IS TO BE USED TO EXTEND MARKINGS THROUGH LARGE INTERSECTIONS WHERE ADDITIONAL GUIDANCE IS NEEDED.

2' — 6' — 2' — 6' — 2'

- THE ABOVE MARKINGS SHOULD ALWAYS BE USED TO GUIDE AND SEPARATE TRAFFIC WHERE COMPOUND TURNING MANEUVERS OCCUR. SUCH MARKINGS WILL BE SHOWN ON THE PLANS WHERE NEEDED.
- THE DOTTED LINES ARE TO BE THE SAME COLOR AS THE LINE THEY EXTEND.

STOPLINES

- ALL STOPLINES ARE TO BE MARKED WITH 24" SOLID WHITE LINES.
- WHERE CROSSWALK MARKINGS EXIST, STOPLINES SHOULD BE PLACED IN ADVANCE OF, AND PARALLEL TO, THE NEAREST CROSSWALK LINE. A MINIMUM DISTANCE OF 4' SHOULD EXIST BETWEEN THE CROSSWALK AND STOPBAR.
- IN THE ABSENCE OF A MARKED CROSSWALK, THE STOPLINE SHOULD BE PLACED AT A DISTANCE OF NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET FROM THE PAVEMENT EDGE OF THE INTERSECTING ROUTE. IN GENERAL, STOP LINES SHOULD BE PLACED AT A DISTANCEOF 4 TO 10 FEET IN ADVANCE OF THE MAINLINE TO MAXIMIZE SIGHT DISTANCE TO CROSSING TRAFFIC.

APPLICATION OF MARKINGS AT INTERSECTIONS

1. STOP LINES ARE TO BE APPLIED AT ALL SIGNALIZED INTERSECTIONS.
2. AT NON-SIGNALIZED INTERSECTIONS, THE ROADWAYS WHICH MUST STOP ARE TO HAVE STOPLINES.
3. WHERE STOPLINES ARE USED, LANE LINES AND CENTER LINES WILL TERMINATE AT THE STOPLINE. THEY DO NOT EXTEND ACROSS STOPLINES NOR DO THEY TERMINATE PRIOR TO STOPLINES. LOCATION OF STOPLINES SHOULD BE DETERMINED PRIOR TO MARKING LONGITUDINAL LINES.
4. LANE LINES TERMINATING AT A STOPLINE SHOULD NOT BE LESS THAN 10 FEET IN LENGTH, HOWEVER THEY MAY BE LONGER. THE LAST LANE LINE WILL BE 10-40 FEET LONG.

*** THE FOLLOWING PROCEDURE WILL AID IN THIS DETERMINATION:***

a. MARK A SPOT 50 FEET IN ADVANCE OF STOPLINE OF EACH LANE LINE APPROACH.
b. IF A LINE IS BEING APPLIED WHEN THE SPOT IS CROSSED, THE STRIPER OPERATOR PERMITS AUTOMATIC CUT-OFF AND THE FOLLOWING 30 GAP. WHEN THE NEXT LINES BEGINS, THE STRIPER OPERATOR WILL MANUALLY OVERRIDE THE AUTOMATIC CUT-OFF AND WILL EXTEND THE LINE TO THE STOPLINE.
c. IF A LINE IS NOT BEING APPLIED WHEN THE SPOT IS CROSSED, WHEN THE NEXT LINE BEGINS THE STRIPER OPERATOR WILL MANUALLY OVERRIDE THE AUTOMATIC CUT-OFF AND WILL EXTEND THE LINE TO THE STOPLINE.

5. AT ALL INTERSECTIONS, LANE LINES WILL NORMALLY BE OMITTED WITHIN THE INTERSECTION AREA WHERE TURNING VEHICLES MUST MANEUVER.

ARROWS AND WORD MESSAGES

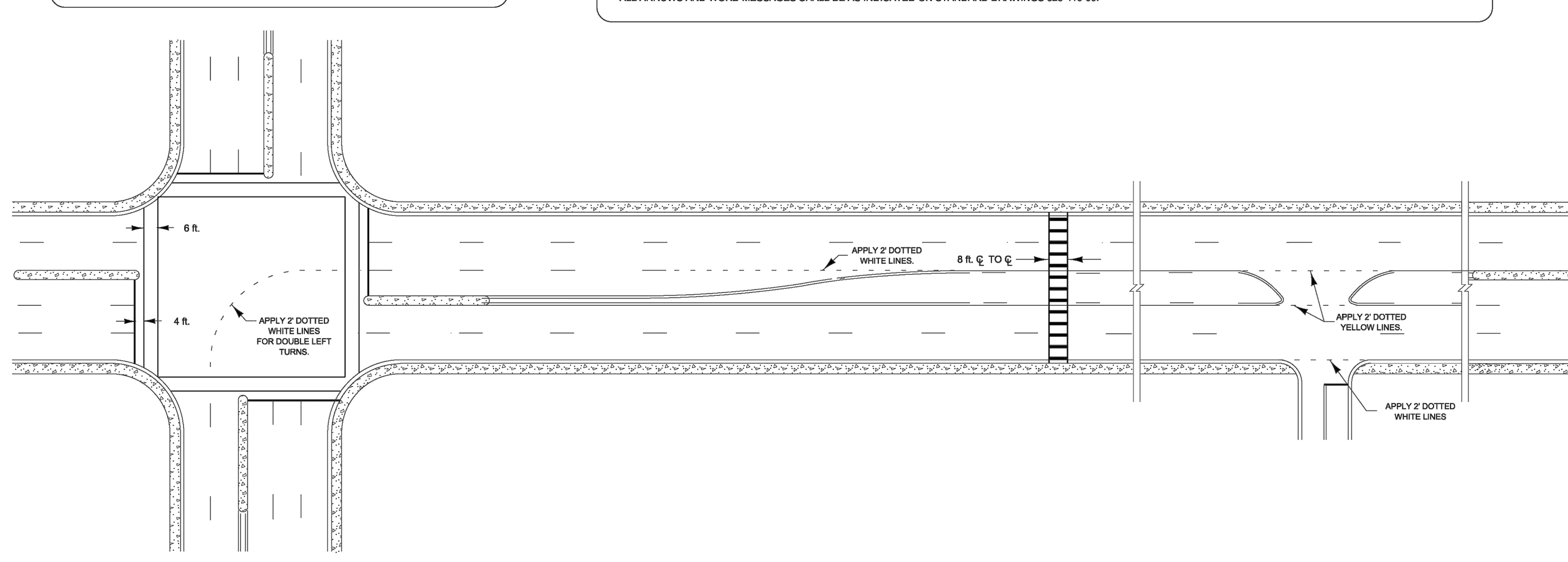
- ARROWS AND WORD MESSAGES ARE NOT TYPICAL AT ALL TURN LANES AND WILL BE PLACED ONLY AT LOCATIONS SHOWN ON THE PLANS OR WHERE DIRECTED BY THE ENGINEER.
- WHERE ARROWS SUPPLEMENT SIGNS TO PROHIBIT A MOVEMENT THAT WOULD OTHERWISE BE LEGAL FROM THAT LANE, THE ARROW MUST BE ACCOMPANIED BY THE WORD 'ONLY'.
- ALL ARROWS AND WORD MESSAGES SHALL BE AS INDICATED ON STANDARD DRAWINGS 625-410-00.

CROSSWALKS

- AT A MINIMUM, CROSSWALKS ARE TO BE MARKED WITH 8" WHITE LINES, SPACED NO LESS THAT 6' APART.
- FOR HIGH VISIBILITY CROSSWALK (HVC) LINES AT MIDBLOCK/UNCONTROLLED CROSSINGS, THE 8" WHITE LINES SHOULD BE SPACED NO LESS THAN 8' APART(CENTER TO CENTER).
- THE 24" TRANSVERSE LINES IN THE HVC MAY BE SKEWED TO PROVIDE ORIENTATION PARALLEL TO THE LANE LINES OF THE TRAVEL LANES.
- NON-INTERSECTION CROSSWALKS ARE GENERALLY UNEXPECTED BY THE ROAD USER. THEREFORE, WARNING SIGNS SHOULD BE INSTALLED FOR ALL MARKED CROSSWALKS AT NON-INTERSECTION LOCATIONS AND ADEQUATE VISIBILITY SHOULD BE PROVIDED BY PARKING PROHIBITIONS.

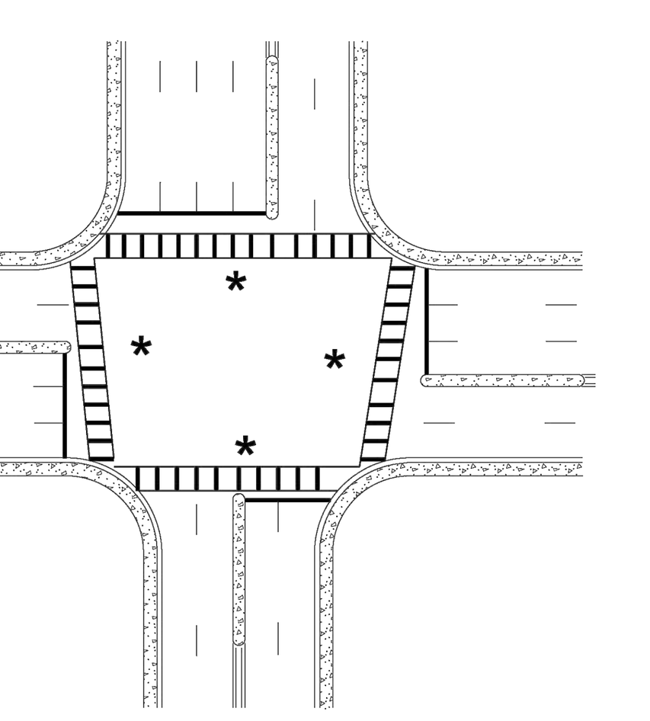
DOTTED EDGELINES

- DOTTED EDGELINES SHOULD BE PLACED ACROSS THE STOP CONTROLLED SIDE LEGS OF ALL INTERSECTIONS WITH PUBLIC ROADWAYS.
- DOTTED EDGELINES SHOULD ALSO BE USED FOR TURN BAY EXTENSIONS AND CHANNELIZATION AT MEDIAN OPENINGS.



STANDARD INTERSECTION LAYOUT

SEE STD. 625-305-01 FOR HIGH VISIBILITY CROSSWALK LAYOUT DETAILS



SKEWED INTERSECTION - HIGH VISIBILTY CROSSWALK

SIGNING AND MARKING ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 29076 CLIFTON J. SELLERS

Clifton J. Sellers 2023.02.15 13:54:36 -05'00'

SIGNATURE

DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1	5-23-2022	GEM	MODIFIED HVC LAYOUT
0			

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

STANDARD MARKINGS FOR INTERSECTIONS

625-305-00

EFFECTIVE LETTING DATE JULY 2023

THIS DRAWING IS NOT TO SCALE

CheckMate UltraFlex®- Often Imitated, Never Equaled

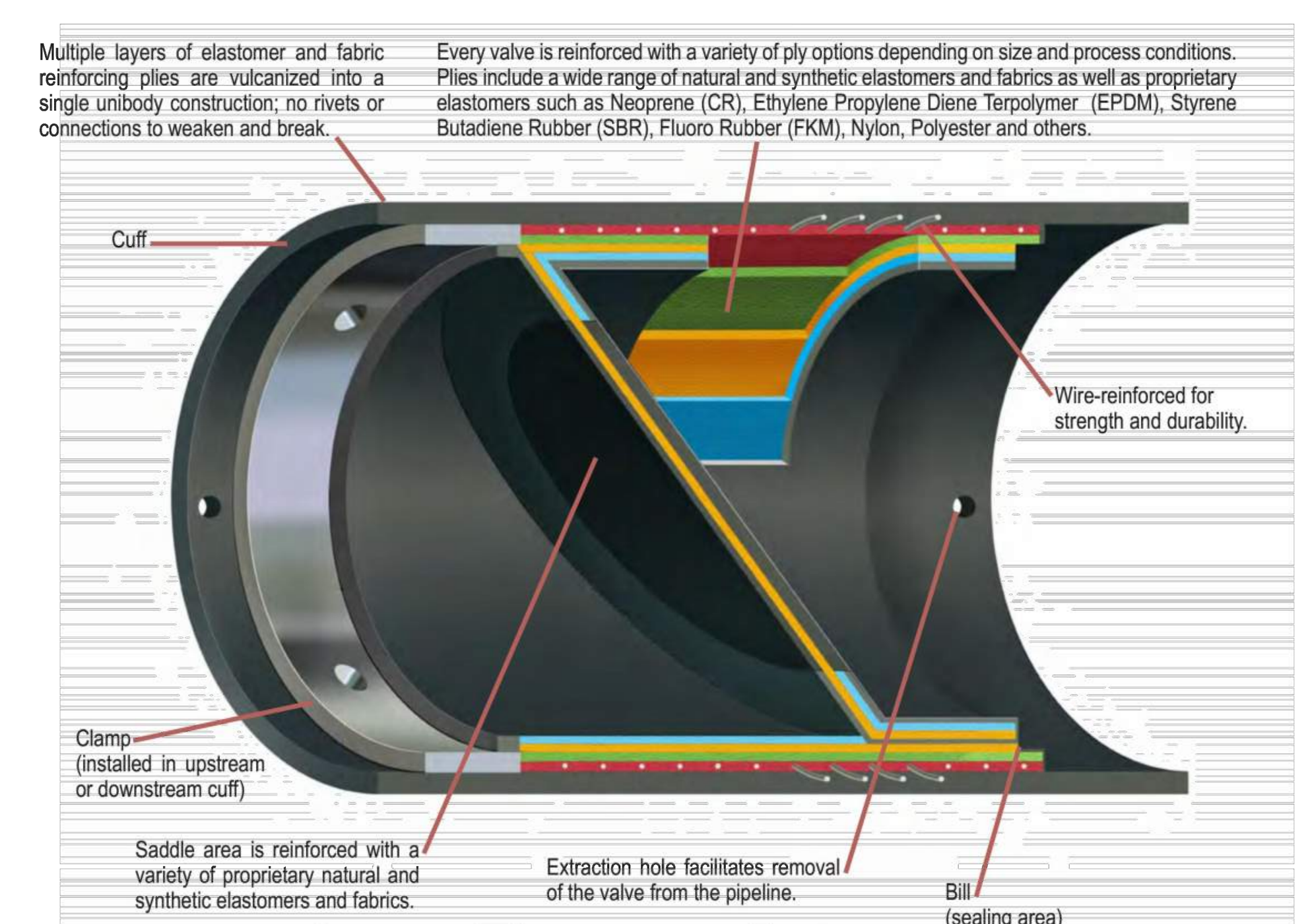
A Legacy of Leadership

Nearly 70 years ago, Red Valve was founded on a simple promise, to design and manufacture the highest quality engineered check valves, backed by an unsurpassed level of technical innovation and customer service.

In 1984, the United States Environmental Protection Agency (EPA) commissioned Red Valve to develop and test an alternative to flap gate valves with the understanding that "Increasing the reliability and performance of tide gates has a beneficial impact on the general pollution abatement program for the nation's waterways."

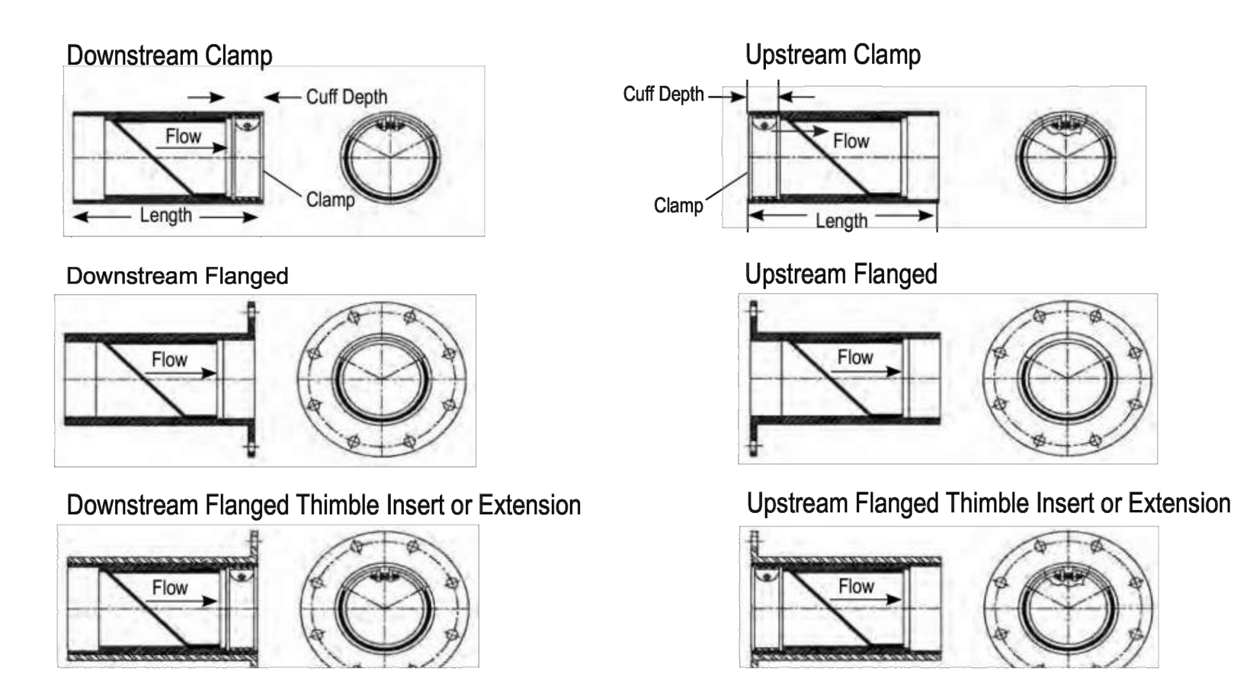
In response, Red Valve developed and patented the Tideflex® Duckbill Check Valve and CheckMate® In-Line Check Valve. Today, more than one million Tideflex® Duckbill Check Valves and CheckMate® In-Line Check Valves are in service around the world, reliably solving backflow problems.

The CheckMate UltraFlex® Valve is a professional's choice for municipal and industrial applications - including stormwater, wastewater, highway run-off, combined sewer overflow (CSO), sanitary sewer overflow (SSO) and flood control. No other valve outperforms the CheckMate UltraFlex® for preventing unwanted backflow that can cause surcharging and flooding.



2 I RedValve.com

Configurations and Custom Designs



CheckMate® can be made for any pipe I.D. Built to fit in sizes from 3-72" (75-1800mm).

Flange shape and bolt pattern can be customized. Flangeless thimble inserts are available.

DIMENSIONS

	NOMINAL PIPE SIZE I.D. Inches	NOMINAL PIPE SIZE I.D. Millimeters	OVERALL LENGTH* Inches	OVERALL LENGTH* Millimeters	NUMBER OF CLAMPS	CUFF DEPTH Inches	CUFF DEPTH Millimeters	BACK PRESSURE RATING** Feet	BACK PRESSURE RATING** Meters	WEIGHT*** lbs	WEIGHT*** Kg
Low Pressure	3	75	5.1	130	1	1.5	38	10	3.0	0.7	0.3
Low Pressure	4	100	7.9	201	1	1.5	38	10	3.0	1.5	0.7
Standard Pressure	4	100	7.9	201	1	1.5	38	85	26.0	3	1.5
Standard Pressure	5	125	9.5	241	1	1.5	38	83	25.3	4	2
Standard Pressure	6	150	11.0	279	1	2.0	51	83	25.3	9	4
Standard Pressure	7	175	12.8	325	1	2.0	51	79	24.1	11	5
Standard Pressure	8	200	15.2	386	1	2.0	51	79	24.1	13	6
Standard Pressure	9	225	15.4	391	1	2.0	51	75	22.9	17	8
Standard Pressure	10	250	16.1	409	1	2.0	51	71	21.6	20	10
Standard Pressure	12	300	19.8	503	1	2.0	51	68	20.1	37	17
Standard Pressure	14	350	25.8	655	1	4.0	102	64	20.0	110	50
Standard Pressure	15	381	25.8	655	1	4.0	102	62	18.9	120	55
Standard Pressure	16	400	28.6	726	1	4.0	102	60	18.3	133	52
Standard Pressure	18	450	31.0	787	1	4.0	102	56	17.1	143	65
Standard Pressure	20	500	42.1	1069	2	8.0	203	53	16.2	223	102
Standard Pressure	24	600	47.5	1207	2	8.0	203	45	13.7	304	137
Standard Pressure	26	650	50.0	1270	2	8.0	203	42	12.8	370	168
Standard Pressure	28	700	52.0	1321	2	8.0	203	40	12.2	434	197
Standard Pressure	30	750	54.9	1395	2	8.0	203	38	11.6	500	227
Standard Pressure	36	900	62.3	1582	2	8.0	203	30	9.1	828	376
Standard Pressure	42	1050	70.6	1793	2	8.0	203	28	8.5	1423	646
Standard Pressure	48	1200	79.0	2007	2	8.0	203	26	7.9	1801	817
Standard Pressure	54	1350	86.4	2195	2	8.0	203	20	6.1	2700	1225
Standard Pressure	60	1500	96.8	2459	2	9.0	229	18	5.5	3315	1504
Standard Pressure	72	1800	119.0	3023	3	12.0	305	15	4.6	6100	2767

*Shorter lengths available.

**Back pressure measured from pipe invert. Higher back pressure ratings available. Consult factory.

***Weights are approximate and do not include crating.

RedValve.com I 11

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 20961 JENNIFER R. PALMER 1/7/25

SOUTH CAROLINA SEAMON, WHITESIDE & ASSOCIATES, INC. No. C00472 CERTIFICATE OF AUTHORIZATION

SEALS

NOTES:

SW SEAMONWHITESIDE

MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

	#	DATE
	0	12/16/24
REVISIONS		

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

SITE INFRASTRUCTURE DETAILS

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C802

1/7/2025 10:19 AM

EDISTO TOWN HALL

EDISTO, SC

DRAWING INDEX

PROJECT INFORMATION						
PROJECT NO:	24-0298					
CULTEC SALES REP:	JON SHELL 475-289-7108 JONATHAN.SHELL@CULTEC.COM					
CULTEC TECHNICAL SALES ENGINEER:	TAYLOR HART 854-800-2251 TAYLOR.HART@CULTEC.COM					
CULTEC PROJECT COORDINATOR:	ANN SCHWENZER 475-289-7116 ANN.SCHWENZER@CULTEC.COM					
ENGINEER OF RECORD	SEAMON WHITESIDE & ASSOCIATES, INC.					
REVISIONS:	ITERATION	DATE	BY	COMMENTS	EOR SHEET REFERENCE	DATE
	01	04/15/2024	SRJ	SUBMITTAL DRAWINGS	GRADING EXHIBIT (PDF)	02/28/2024
	02	05/16/2024	MPW	REVISED SUBMITTAL DRAWINGS WITH UPDATED INLET FLOW RATES	GRADING EXHIBIT (PDF)	02/28/2024
	03	08/09/2024	MPW	REVISED SUBMITTAL DRAWINGS WITH UPDATED GRADING AND DRAINAGE PLAN FROM EOR	SHEET C500 GRADING AND DRAINAGE PLAN	06/05/2024

CULTEC

Subsurface Stormwater Management Systems

P.O. Box 280
878 Federal Road
Brookfield, CT 06804
www.cultec.com

PH: 1(203) 775-4416
PH: 1(800) 4-CULTEC
CT-tech@cultec.com

NOTE: THESE SHOP DRAWINGS MAY CONTAIN COMPONENTS INCLUDING BUT NOT LIMITED TO MANHOLES, CATCH BASINS, STORM PIPES AND FITTINGS, MANIFOLDS, CASTINGS AND OTHER NECESSARY APPURTENANCES THAT MAY NOT BE SUPPLIED BY CULTEC, INC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUPPLIER TO CONFIRM WITH CULTEC THE MATERIALS PROVIDED.

BEFORE YOU BEGIN - REQUIRED MATERIALS AND EQUIPMENT

1. PROPER GEOTECHNICAL SOIL EVALUATION BY A QUALIFIED ENGINEER OR SOIL SCIENTIST TO DETERMINE SUITABILITY OF STRUCTURAL INSTALLATION
2. OSHA COMPLIANCE
3. CULTEC WARNING TAPE, OR EQUIVALENT
4. ASSURANCES FROM LOCAL UTILITIES THAT NO UNDERGROUND GAS, ELECTRICAL OR OTHER POTENTIALLY DANGEROUS PIPELINES OR CONDUITS ARE ALREADY BURIED AT THE SITE
5. ACCEPTABLE 1- 2 INCH (25 - 51 mm) WASHED, CRUSHED STONE AS DETAILED IN CULTEC'S INSTALLATION INSTRUCTIONS. CLEANLINESS OF STONE TO BE VERIFIED BY ENGINEER.
6. ACCEPTABLE FILL MATERIAL AS SHOWN IN CULTEC'S INSTALLATION INSTRUCTIONS.
7. ALL CULTEC CHAMBERS AND ACCESSORIES AS SPECIFIED IN THE ENGINEER'S PLANS INCLUDING CULTEC NO. 410 NON-WOVEN GEOTEXTILE, CULTEC STORMFILTER AND CULTEC NO. 4800 WOVEN GEOTEXTILE, WHERE APPLICABLE.
8. RECIPROCATING SAW OR ROUTER
9. STONE BUCKET
10. STONE CONVEYOR AND/OR TRACKED EXCAVATOR
11. TRANSIT OR LASER LEVEL MEASURING DEVICE
12. COMPACTION EQUIPMENT WITH MAXIMUM GROSS VEHICLE WEIGHT OF 12,000 LBS (5,440 KGS). VIBRATORY ROLLERS MAY ONLY BE USED ON THE STONE BASE PRIOR TO THE INSTALLATION OF CHAMBERS.
13. CHECK CULTEC CHAMBERS FOR DAMAGE PRIOR TO INSTALLATION. DO NOT USE DAMAGED CULTEC CHAMBERS, CONTACT YOUR SUPPLIER IMMEDIATELY TO REPORT DAMAGE OR PACKING-LIST DISCREPANCIES.

REQUIREMENTS FOR CULTEC CHAMBER SYSTEM INSTALLATIONS

1. INSTALLING CONTRACTORS ARE EXPECTED TO COMPREHEND AND USE THE MOST CURRENT INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING A SYSTEM INSTALLATION. IF THERE IS ANY QUESTION AS TO WHETHER YOU POSSESS THE MOST CURRENT INSTRUCTIONS, CONTACT CULTEC AT (203) 775-4416 OR VISIT WWW.CULTEC.COM.
2. CONTACT CULTEC AT LEAST THIRTY DAYS PRIOR TO SYSTEM INSTALLATION TO ARRANGE FOR A PRE-CONSTRUCTION MEETING.
3. ALL CULTEC SYSTEM DESIGNS MUST BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER.
4. USE CULTEC INSTALLATION INSTRUCTIONS AS A GUIDELINE ONLY FOR MINIMUM/MAXIMUM REQUIREMENTS. ACTUAL DESIGN MAY VARY. REFER TO APPROVED CONSTRUCTION DRAWINGS FOR JOB-SPECIFIC DETAILS. BE SURE TO FOLLOW THE ENGINEER'S DRAWINGS AS YOUR PRIMARY GUIDE.
5. THE FOUNDATION STONE SHALL BE LEVEL AND COMPACTED PRIOR TO CHAMBER INSTALLATION.
6. OVERLAPPING RIB CONNECTIONS OF CHAMBERS SHALL BE FULLY SHOULDERED PRIOR TO STONE PLACEMENT.
7. CENTER-TO-CENTER SPACING SHALL BE CHECKED AND MAINTAINED THROUGHOUT INSTALLATION PROCESS.
8. ANY DISCREPANCIES WITH THE SYSTEM SUB-GRADE SOIL'S BEARING CAPACITY MUST BE REPORTED TO THE DESIGN ENGINEER.
9. NON-WOVEN GEOTEXTILE MUST BE USED AS SPECIFIED IN THE ENGINEER'S DRAWINGS.
10. CULTEC REQUIRES THE CONTRACTOR TO REFER TO CULTEC'S INSTALLATION INSTRUCTIONS CONCERNING VEHICULAR TRAFFIC. RESPONSIBILITY FOR PREVENTING VEHICLES THAT EXCEED CULTEC'S REQUIREMENTS FROM TRAVELING ACROSS OR PARKING OVER THE CHAMBER SYSTEM LIES SOLELY WITH THE CONTRACTOR THROUGHOUT THE ENTIRE SITE CONSTRUCTION PROCESS. THE PLACEMENT OF WARNING TAPE, TEMPORARY FENCING, AND/OR APPROPRIATELY LOCATED SIGNS IS HIGHLY RECOMMENDED. IMPRINTED WARNING TAPE IS AVAILABLE FROM CULTEC. FOR ACCEPTABLE VEHICLE LOAD INFORMATION, REFER TO CULTEC INSTALLATION INSTRUCTIONS.
11. TRAFFIC OF INSTALLATION EQUIPMENT OR OTHER VEHICULAR TRAFFIC OVER TOP OF THE CULTEC STORMWATER SYSTEM IS STRICTLY RESTRICTED AND PROHIBITED UNTIL SATISFACTORY COVER AND COMPACTION IS ACHIEVED ACCORDING TO CULTEC'S MANUFACTURER INSTALLATION INSTRUCTIONS.
12. EROSION AND SEDIMENT-CONTROL MEASURES MUST MEET LOCAL CODES AND THE DESIGN ENGINEER'S SPECIFICATIONS THROUGHOUT THE ENTIRE SITE CONSTRUCTION PROCESS.
13. CULTEC SYSTEMS MUST BE DESIGNED AND INSTALLED IN ACCORDANCE WITH CULTEC'S MINIMUM REQUIREMENTS. FAILURE TO DO SO WILL VOID THE LIMITED WARRANTY.
14. CONTACT CULTEC, INC. AT 203-775-4416 WITH ANY QUESTIONS OR FURTHER CLARIFICATION OF REQUIREMENTS.
15. PLACEMENT OF EMBEDMENT STONE MUST BE IN ACCORDANCE WITH CULTEC'S INSTALLATION INSTRUCTIONS. STONE COLUMN HEIGHT DEFERENTIAL MUST NEVER EXCEED 12" (305 mm) BETWEEN CHAMBER ROWS, ADJACENT CHAMBERS OR STONE PERIMETER. STONE MUST BE PLACED OVER THE CROWN OF THE CHAMBERS TO ANCHOR THE CHAMBERS IN PLACE AND MAINTAIN ROW SPACING.
16. EMBEDMENT STONE MUST ONLY BE PLACED BY EXCAVATOR OR TELESCOPING CONVEYOR BOOM. PLACEMENT OF EMBEDMENT STONE WITH BULLDOZER IS NOT AN ACCEPTABLE METHOD OF INSTALLATION AND MAY CAUSE DAMAGE TO THE CHAMBERS. ANY CHAMBERS DAMAGED USING AN UNACCEPTABLE METHOD OF BACKFILL ARE NOT COVERED UNDER THE CULTEC LIMITED WARRANTY.

THIS DRAWING HAS BEEN PREPARED TO SUPPORT THE PROJECT ENGINEER OF RECORD FOR THE PROPOSED SYSTEM. THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO CULTEC UNDER THE DIRECTION OF THE PROJECT ENGINEER OF RECORD OR OTHER PROJECT REPRESENTATIVE. IT IS ULTIMATE RESPONSIBILITY OF THE PROJECT ENGINEER OF RECORD TO ENSURE THAT THE CULTEC SYSTEM'S DESIGN IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS, REGULATIONS AND MANUFACTURER REQUIREMENTS.

1.02

SEALS

NOTES:

SEAMONWHITESIDE

MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

	0	12/16/24
REVISIONS		

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.

1643 MEANS STREET
CHARLESTON, SC 29412

843.577.6073

CULTEC COVER SHEET

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

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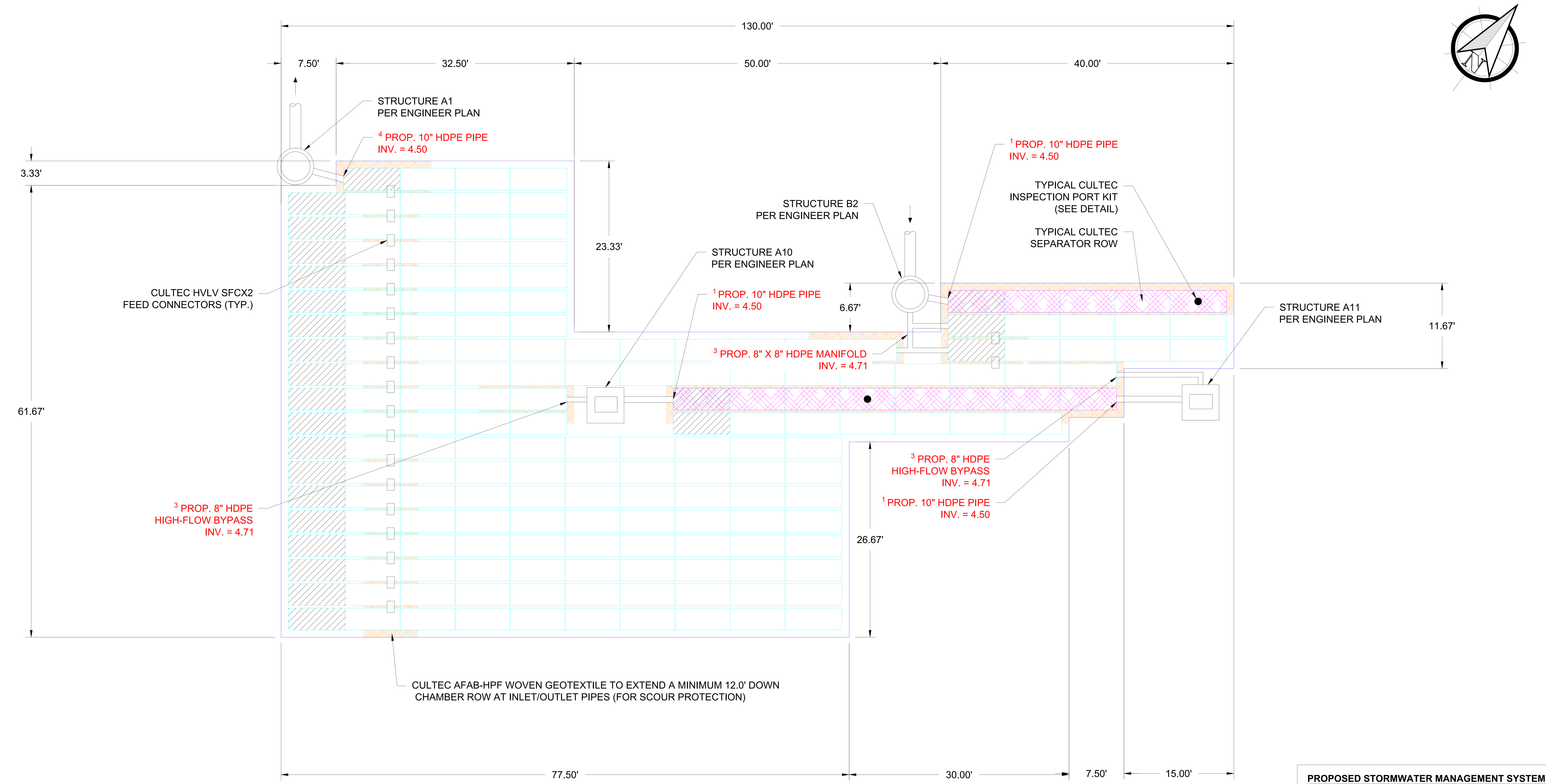
12/16/2024 4:10 PM



NOTE: ALL EXTERNAL SYSTEM STRUCTURES, INLET/OUTLET PIPES AND PROPOSED ELEVATIONS MUST BE DESIGNED AND APPROVED BY THE ENGINEER OF RECORD. ALL PROPOSED SYSTEM ELEVATIONS PROVIDED MUST BE VERIFIED BY THE ENGINEER OF RECORD AND THE ENGINEER OF RECORD MUST ENSURE CHAMBER BURIAL REQUIREMENTS ARE MET

1 SYSTEM LAYOUT DETAIL
NTS

MATERIALS LIST SUPPLIED BY CULTEC

PRODUCT DESCRIPTION	SKU	QUANTITY	UNIT OF MEASURE
CULTEC CONTACTOR 100HD STARTER/STAND ALONE	100RHD	24	PIECES
CULTEC CONTACTOR 100HD END	100EHD	156	PIECES
CULTEC HVLV FEED CONNECTORS	SFCx2	20	PIECES
CULTEC NO. 410 NON-WOVEN GEOTEXTILE	75NWG410	1,740	SQ. YARDS
CULTEC AFAB-HPF WOVEN GEOTEXTILE	75WGHPF	270	FEET
CULTEC INSPECTION PORT KIT	1299CGC	2	PIECES
MATERIALS LIST NOT SUPPLIED BY CULTEC			
1-2 INCH WASHED, CRUSHED STONE	---	284	CUBIC YARDS
8 OZ. NON-WOVEN GEOTEXTILE	---	N/A	SQ. YARDS
30 MIL. PVC THERMOPLASTIC LINER	---	N/A	SQ. YARDS

CULTEC CONTACTOR® 100HD LEGEND

- CULTEC CONTACTOR 100RHD STARTER
- CULTEC CONTACTOR 100EHD END
- CULTEC HVLV SFCx2 FEED CONNECTORS
- CULTEC SEPARATOR ROW
- CULTEC WOVEN GEOTEXTILE
- STONE BORDER

PROPOSED SYSTEM ALTERATION TABLE

1	PROPOSED SEPARATOR ROW ACCESS PIPE
2	PROPOSED SEPARATOR ROW ACCESS MANHOLE
3	PROPOSED SEPARATOR ROW HIGH-FLOW BYPASS PIPE
4	PROPOSED OUTLET PIPE

PROPOSED STORMWATER MANAGEMENT SYSTEM ELEVATIONS
(TO BE APPROVED BY ENGINEER)
*ENGINEER TO CONFIRM MINIMUM AND MAXIMUM BURIAL REQUIREMENTS ARE MET)

MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT OR UNPAVED)	17.54
MINIMUM ALLOWABLE GRADE (UNPAVED TRAFFIC)	6.87
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)	6.71
MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)	6.71
TOP OF STONE ELEVATION	6.04
TOP OF CHAMBER ELEVATION	5.54
8" HIGH-FLOW BYPASS PIPE INVERT	4.71
INLET PIPE INVERT	4.50
BOTTOM OF CHAMBER ELEVATION	4.50
BOTTOM OF STONE ELEVATION	4.00

CULTEC STORMWATER MANAGEMENT SYSTEM SUMMARY

TOTAL STORAGE PROVIDED (CF)	5,635
% STONE POROSITY	40
SYSTEM AREA (SF)	5,016.67
DEPTH OF EMBEDMENT STONE (IN)	6
DEPTH OF BEDDING STONE (IN)	6
STONE PERIMETER (IN)	12
SPACING BETWEEN CHAMBER ROWS (IN)	4

CULTEC STORMWATER CHAMBER

PROJECT NO:	24-0298.03	DATE:	08/09/2024
DESIGNED BY:	MPW	CHECKED BY:	AES
SCALE:	N.T.S.	SHEET NO:	2 OF 5

EDISTO TOWN HALL
EDISTO, SC
SYSTEM LAYOUT SHEET

CULTEC
Subsurface Stormwater Management Systems
P.O. Box 280
878 Federal Road
Brookfield, CT 06804
www.cultec.com
PH: 1(203) 775-4416
PH: 1(800) 4-CULTEC
CT-tech@cultec.com

1.02

SEALS

NOTES:

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864.272.1272
CHARLOTTE, NC
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WWW.SEAMONWHITESIDE.COM

0	12/16/24

REVISIONS

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
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CULTEC SYSTEM LAYOUT

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C901

12/16/2024 4:10 PM

CULTEC Contactor 100HD Stormwater System Calculations

CULTEC

Consulting Engineer:
Seamon Whiteside

Project Information:
Edisto Town Hall
Edisto, SC

Calculations Performed By:
Matt Warner
Cultec, Inc.
878 Federal Rd.
Brookfield, CT 06804
203.775.4416
203.775.1462

Date: 8/9/24

Project Number: 24-0298.03

System Information

Irregular Bed Inputs

No. of Rows	24	**Total No. of Chambers**	180
System Area (sq. ft) (from CAD)	5,016.67	**System Perimeter (ft) (from CAD)**	403.33

Given:

CULTEC AFAB-HPF For Internal Manifolds	74	feet		
Number of Inlet/Outlet Pipes	6			
Stone **Base**	6	inches	152 mm	☐ Discount stone base from Total storage provided (If Applicable)
Stone **Above**	6	inches	152 mm	☐ Discount stone above from Total storage provided (If Applicable)
Spacing **Between** Rows	4	inches	102 mm	
No. of HVLV SFCx2 Feed Connectors	20	units		
12" PVC Universal Inline Drain Body Only - Kit	2	units		
12" Ductile Iron Square Solid Drain Base Cover	2	units		
Stone Porosity	40	%		
Stone **Border Width**	12	inches	305 mm	

Other Parameters:

Length of Separator Row	99	feet	30.175 m
Type of Lining	None		
☐ Sand Filter Depth (If Applicable)		feet	0.000 m
☐ Sloped Sides (1:1) (If Applicable)			

Top of Stone Elevation:	6.04
Top of Chamber Elevation:	5.54
Bottom of Chamber Elevation:	4.50
Bottom of Stone Elevation:	4.00

Assumptions

Model Name		Chamber Height (inches / mm)	Design Unit Height (feet / m)	Chamber Width (inches / mm)	Chamber Spacing (inches / mm)	Design Unit Width (feet / m)	Chamber Volume per Linear Foot (cu. ft/ft / cu. m/m)	Design Unit Volume (cu. ft/ft / cu. m/m)	Installed Chamber Length (feet / m)
Contactor® 100 RHD Starter	English	12.5	2.04	36	4	3.33	1.88	3.85	7.50
	Metric	318	0.62	914	102	1.02	0.17	0.36	2.29
Contactor® 100 EHD End	English	12.5	2.04	36	4	3.33	1.88	3.85	7.50
	Metric	318	0.62	914	102	1.02	0.17	0.36	2.29
HVLV™ SFCx2 Feed Connectors	English	7.6	n/a	12	n/a	n/a	0.29	n/a	0.33
	Metric	193.0	n/a	305	n/a	n/a	0.03	n/a	0.10

Storage Provided Within CULTEC Contactor 100HD Stormwater Chambers and HVLV SFCx2 Feed Connectors - not including stone

Number of Contactor 100RHD Starters by design			=	24 pcs	
24	pcs x	7.500	=	180.00 feet	54.864 m
Number of Contactor 100EHD Middle/Ends by design			=	156 pcs	
156	pcs x	7.500	=	1170.00 feet	356.616 m
Length adjustment per row			=		
24	x	0.500	=	12.00 feet	3.6576 m
Number of HVLV SFC-24 Feed Connectors			=	20 pcs	
20	pcs x	0.333	=	6.67 feet	2.032 m
Total footage of Contactor 100HD chambers			=	1362.00 feet	415.14 m
Total footage of HVLV SFCx2 Feed Connectors			=	6.67 feet	2.03 m
Storage provided within Contactor 100HD chambers			=	2561.92 CF	72.55 m^3
Storage within HVLV SFCx2 Feed Connectors			=	1.96 CF	0.06 m^3
Total Storage within chambers and feed connectors			=	**2563.88 CF**	**72.61 m^3**

Storage Provided Within Entire CULTEC Stormwater System - including stone

Bed Depth	2.04 feet	0.62 m
Total Area	5016.67 sq. ft.	466.05 m^2
Volume of Effective Excavation *(not including additional cover)*	10242.37 CF	290.06 m^3
Perimeter of Bed	403.33 feet	122.93 m
Total Storage within CULTEC Contactor 100HD chambers and feed connectors	2564 CF	72.61 m^3
Total Stone Required	7678 CF	217.45 m^3
Storage provided within stone	3071.39 CF	86.98 m^3
Total Storage within CULTEC Stormwater System =	**5635 CF**	**159.59 m^3**

Req. storage attained.

CULTEC MATERIALS LIST

Model	Model #	Quantity	Unit of Measure	Quantity	Unit of Measure
Contactor 100RHD Starter Heavy Duty	100RHD	24	pcs		
Contactor 100EHD Middle/End Heavy Duty	100EHD	156	pcs		
HVLV SFCx2 Feed Connectors	SFCx2	20	pcs		
CULTEC No. 410 Non-Woven Geotextile	NWG410	1740	Sq. Yards	1455	m2
CULTEC AFAB-HPF Woven Geotextile 7.5' x 100'	75WGHPF	270	feet	82	m
12" PVC Universal Inline Drain Body Only - Kit	2712AGSB	2	pcs		
12" Ductile Iron Square Solid Drain Base Cover	1299CGC	2	pcs		
Total Stone		284	cubic yards	217	m^3

SYSTEM STORAGE CALCULATION

CULTEC Contactor 100HD Stormwater Incremental Storage

CULTEC

Date: August 9, 2024

Project Information
Edisto Town Hall
Edisto, SC

Project Number
24-0298.03

Base of Stone Elevation- 4.00

Contactor 100HD Incremental Storage Volumes

Height of System (in)	Height of System (mm)	Chamber Volume (ft^3)	Chamber Volume (m^3)	HVLV SFCx2 Feed Connector Volume (ft^3)	HVLV SFCx2 Feed Connector Volume (m^3)	Stone Volume (ft^3)	Stone Volume (m^3)	Cumulative Storage Volume (ft^3)	Cumulative Storage Volume (m^3)	Total Cumulative Storage Volume (ft^3)	Total Cumulative Storage Volume (m^3)	Stage/Area (ft^2)	Stage/Area (m^2)	Elevation (ft)	Elevation (m)	
24.5	622	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	5636.14	159.60	2006.67	186.42	6.04	4.62	**Top of Stone Elevation**
23.5	597	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	5468.92	154.86	2006.67	186.42	5.96	4.60	
22.5	572	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	5301.70	150.13	2006.67	186.42	5.88	4.57	
21.5	546	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	5134.48	145.39	2006.67	186.42	5.79	4.55	
20.5	521	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	4967.26	140.66	2006.67	186.42	5.71	4.52	
19.5	495	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	4800.03	135.92	2006.67	186.42	5.63	4.50	
18.5	470	0.14	0.00	0.00	0.00	83.56	2.37	83.69	2.37	4632.81	131.19	1004.31	93.30	5.54	4.47	**Top of Chamber Elevation**
18	457	32.69	0.93	0.00	0.00	154.15	4.36	186.84	5.29	4549.12	128.82	2242.02	208.28	5.50	4.46	
17	432	91.25	2.58	0.00	0.00	130.72	3.70	221.97	6.29	4362.28	123.53	2663.70	247.46	5.42	4.43	
16	406	149.82	4.24	0.00	0.00	107.29	3.04	257.11	7.28	4140.31	117.24	3085.37	286.63	5.33	4.41	
15	381	189.32	5.36	0.00	0.00	91.50	2.59	280.81	7.95	3883.19	109.96	3369.76	313.05	5.25	4.38	
14	356	216.56	6.13	0.01	0.00	80.60	2.28	297.17	8.41	3602.38	102.01	3565.99	331.28	5.17	4.36	
13	330	236.99	6.71	0.06	0.00	72.43	2.05	309.47	8.76	3305.21	93.59	3713.66	345.00	5.08	4.33	
12	305	250.61	7.10	0.20	0.01	66.98	1.90	317.79	9.00	2995.74	84.83	3813.50	354.27	5.00	4.30	
11	279	261.50	7.40	0.27	0.01	62.62	1.77	324.40	9.19	2677.95	75.83	3892.78	361.64	4.92	4.28	
10	254	276.49	7.83	0.30	0.01	56.63	1.60	333.41	9.44	2353.55	66.65	4000.98	371.69	4.83	4.25	
9	229	276.49	7.83	0.32	0.01	56.63	1.60	333.43	9.44	2020.14	57.20	4001.17	371.71	4.75	4.23	
8	203	276.49	7.83	0.33	0.01	56.63	1.60	333.45	9.44	1686.71	47.76	4001.36	371.73	4.67	4.20	
7	178	303.73	8.60	0.47	0.01	45.73	1.29	349.93	9.91	1353.26	38.32	4199.11	390.10	4.58	4.18	
6	152	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	1003.33	28.41	2006.67	186.42	4.50	4.15	**Bottom of Chamber Elevation**
5	127	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	836.11	23.68	2006.67	186.42	4.42	4.13	
4	102	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	668.89	18.94	2006.67	186.42	4.33	4.10	
3	76	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	501.67	14.21	2006.67	186.42	4.25	4.08	
2	51	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	334.44	9.47	2006.67	186.42	4.17	4.05	
1	25	0.00	0.00	0.00	0.00	167.22	4.74	167.22	4.74	167.22	4.74	2006.67	186.42	4.08	4.03	
0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			4.00	4.00	**Bottom of Stone Elevation**

SYSTEM STAGE-STORAGE TABLE

CULTEC
Subsurface Stormwater Management Systems
P.O. Box 280
878 Federal Road
Brookfield, CT 06804
www.cultec.com
PH: 1(203) 775-4416
PH: 1(800) 4-CULTEC
CT-tech@cultec.com

THIS DRAWING HAS BEEN PREPARED TO SUPPORT THE PROJECT ENGINEER OF RECORD FOR THE PROPOSED SYSTEM. THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO CULTEC UNDER THE DIRECTION OF THE PROJECT ENGINEER OF RECORD OR OTHER PROJECT REPRESENTATIVE. IT IS ULTIMATE RESPONSIBILITY OF THE PROJECT ENGINEER OF RECORD TO ENSURE THAT THE CULTEC SYSTEM'S DESIGN IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS, REGULATIONS AND MANUFACTURER REQUIREMENTS.

1.02

EDISTO TOWN HALL
EDISTO, SC
SYSTEM CALCULATION SHEET

CULTEC STORMWATER CHAMBER

PROJECT NO:	24-0298.03	DATE:	08/09/2024
DESIGNED BY:	MPW	CHECKED BY:	AES
SCALE:	N.T.S.	SHEET NO:	3 OF 5

SEALS

NOTES:

SEAMON WHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

	0	12/16/24
REVISIONS		

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

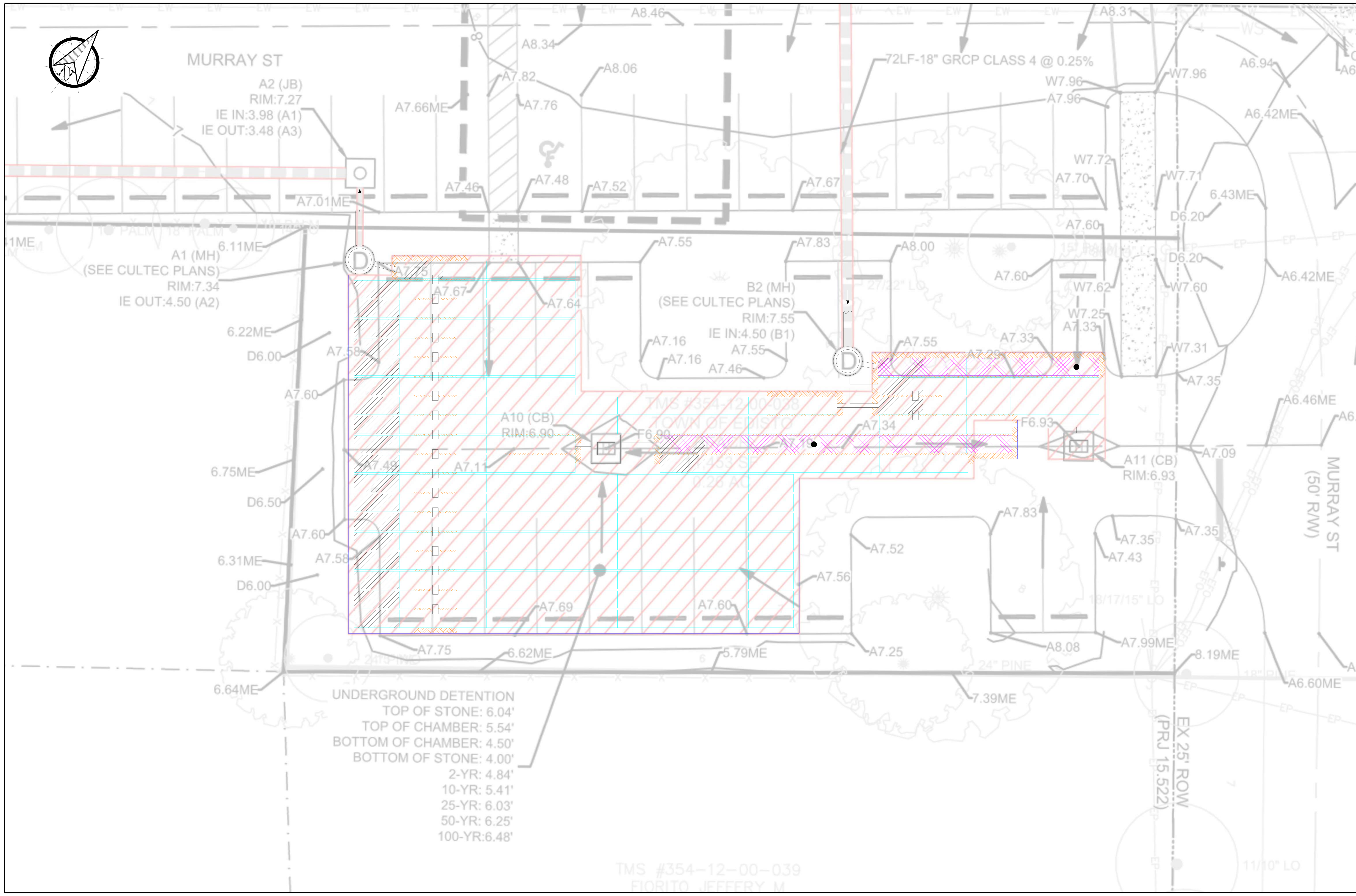
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

CULTEC SYSTEM CALCULATION
SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C902

12/16/2024 4:10 PM



CULTEC STORMWATER CHAMBER

PROJECT NO:	24-0298.03
DATE:	08/09/2024
DESIGNED BY:	MPW
CHECKED BY:	AES
SCALE:	N.T.S.
SHEET NO:	4 OF 5

EDISTO TOWN HALL
EDISTO, SC
SYSTEM OVERLAY SHEET

CULTEC
Subsurface Stormwater Management Systems
P.O. Box 280
878 Federal Road
Brookfield, CT 06804
www.cultec.com
PH: 1(203) 775-4416
PH: 1(800) 4-CULTEC
CT-tech@cultec.com

SEALS

NOTES:

SEAMON WHITESIDE
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RALEIGH, NC
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WWW.SEAMONWHITESIDE.COM

REVISIONS	
0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

CULTEC SYSTEM OVERLAY

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C903

12/16/2024 4:10 PM

CULTEC RECHARGER® 150XLHD SPECIFICATIONS

GENERAL

CULTEC RECHARGER® 150XLHD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.

CHAMBER PARAMETERS

1. THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR
3. THE CHAMBER SHALL BE ARCHED IN SHAPE.
4. THE CHAMBER SHALL BE OPEN-BOTTOMED.
5. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
6. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 150XLHD SHALL BE 18.5 INCHES (470 mm) TALL, 33 INCHES (838 mm) WIDE AND 11 FEET (3.35 m) LONG. THE INSTALLED LENGTH OF A JOINED RECHARGER 150XLHD SHALL BE 10.25 FEET (3.12 m).
7. MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 12 INCHES (300 mm) HDPE OR 15" (375 mm) SMOOTH-WALL PVC.
8. THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV® FC-24 FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. THE NOMINAL INSIDE DIMENSIONS OF EACH SIDE PORTAL SHALL BE 8.5 INCHES (216 mm) HIGH BY 12 INCHES (304 mm) WIDE. MAXIMUM ALLOWABLE OUTER DIAMETER (O.D.) PIPE SIZE IN THE SIDE PORTAL IS 10.25 INCHES (260 mm).
9. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV® FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 mm) TALL, 16 INCHES (406 mm) WIDE AND 24.2 INCHES (615 mm) LONG.
10. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 150XLHD CHAMBER SHALL BE 2.650 FT^3 / FT (0.246 m^3 / m) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 150XLHD SHALL BE 27.16 FT3 / UNIT (0.77 m^3 / UNIT) - WITHOUT STONE.
11. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT^3 / FT (0.085 m^3 / m) - WITHOUT STONE.
12. THE RECHARGER 150XLHD CHAMBER SHALL HAVE THIRTY DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNIT'S CORE TO PROMOTE LATERAL CONVEYANCE OF WATER.
13. THE RECHARGER 150XLHD CHAMBER SHALL HAVE 20 CORRUGATIONS.
14. THE ENDWALL OF THE CHAMBER, WHEN PRESENT, SHALL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH THIS UNIT.
15. THE RECHARGER 150XLRHD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE ENDWALLS.
16. THE RECHARGER 150XLSHD STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10 INCHES (254 mm) HIGH X 20.5 INCHES (521 mm) WIDE.
17. THE RECHARGER 150XLIHD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY OPEN ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 10 INCHES (254 mm) HIGH X 20.5 INCHES (521 mm) WIDE.
18. THE RECHARGER 150XLEHD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HAVING NO SEPARATE END PLATES OR END WALLS.
19. THE HVLV® FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE RECHARGER 150XLHD AND ACT AS CROSS FEED CONNECTIONS.
20. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
21. THE CHAMBER SHALL HAVE A RAISED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.
22. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION.
23. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED FACILITY.
24. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
25. THE CHAMBER SHALL BE DESIGNED AND MANUFACTURED TO MEET THE MATERIAL AND STRUCTURAL REQUIREMENTS OF IAPMO PS 63-2019, INCLUDING RESISTANCE TO AASHTO H-10 AND H-20 HIGHWAY LIVE LOADS, WHEN INSTALLED IN ACCORDANCE WITH CULTEC'S INSTALLATION INSTRUCTIONS.
26. THE CHAMBER SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION OF NSAI IRISH AGREEMENT BOARD CERTIFICATE FOR CULTEC ATTENUATION AND INFILTRATION.
27. MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12 FEET (3.65 m).

CULTEC HVLV® FC-24 FEED CONNECTOR PRODUCT SPECIFICATIONS

GENERAL

CULTEC HVLV FC-24 FEED CONNECTORS ARE DESIGNED TO CREATE AN INTERNAL MANIFOLD FOR CULTEC RECHARGER 150XLHD STORMWATER CHAMBERS.

CHAMBER PARAMETERS

1. THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
3. THE CHAMBER SHALL BE ARCHED IN SHAPE.
4. THE CHAMBER SHALL BE OPEN-BOTTOMED.
5. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 MM) TALL, 16 INCHES (406 mm) WIDE AND 24.2 INCHES (614 mm) LONG.
6. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT3 / FT (0.085 m^3 / m) - WITHOUT STONE.
7. THE HVLV FC-24 FEED CONNECTOR CHAMBER SHALL HAVE 2 CORRUGATIONS.
8. THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE CULTEC RECHARGER STORMWATER CHAMBER AND ACT AS CROSS FEED CONNECTIONS CREATING AN INTERNAL MANIFOLD.
9. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
10. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED FACILITY.

CULTEC NO. 410™ NON-WOVEN GEOTEXTILE

CULTEC NO. 410™ NON-WOVEN GEOTEXTILE MAY BE USED WITH CULTEC CONTACTOR® AND RECHARGER® STORMWATER INSTALLATIONS TO PROVIDE A BARRIER THAT PREVENTS SOIL INTRUSION INTO THE STONE.

GEOTEXTILE PARAMETERS

1. THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
2. THE GEOTEXTILE SHALL BE BLACK AND WHITE IN APPEARANCE.
3. THE GEOTEXTILE SHALL HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M).
4. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER ASTM D4632 TESTING METHOD.
5. THE GEOTEXTILE SHALL HAVE AN ELONGATION @ BREAK VALUE OF 50% PER ASTM D4632 TESTING METHOD.
6. THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER ASTM D3786 TESTING METHOD.
7. THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER ASTM D4833 TESTING METHOD.
8. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241 TESTING METHOD.
9. THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD.
10. THE GEOTEXTILE SHALL HAVE A AOS VALUE OF 70 U.S. SIEVE (0.212 MM) PER ASTM D4751 TESTING METHOD.
11. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491 TESTING METHOD.
12. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER ASTM D4491 TESTING METHOD.
13. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

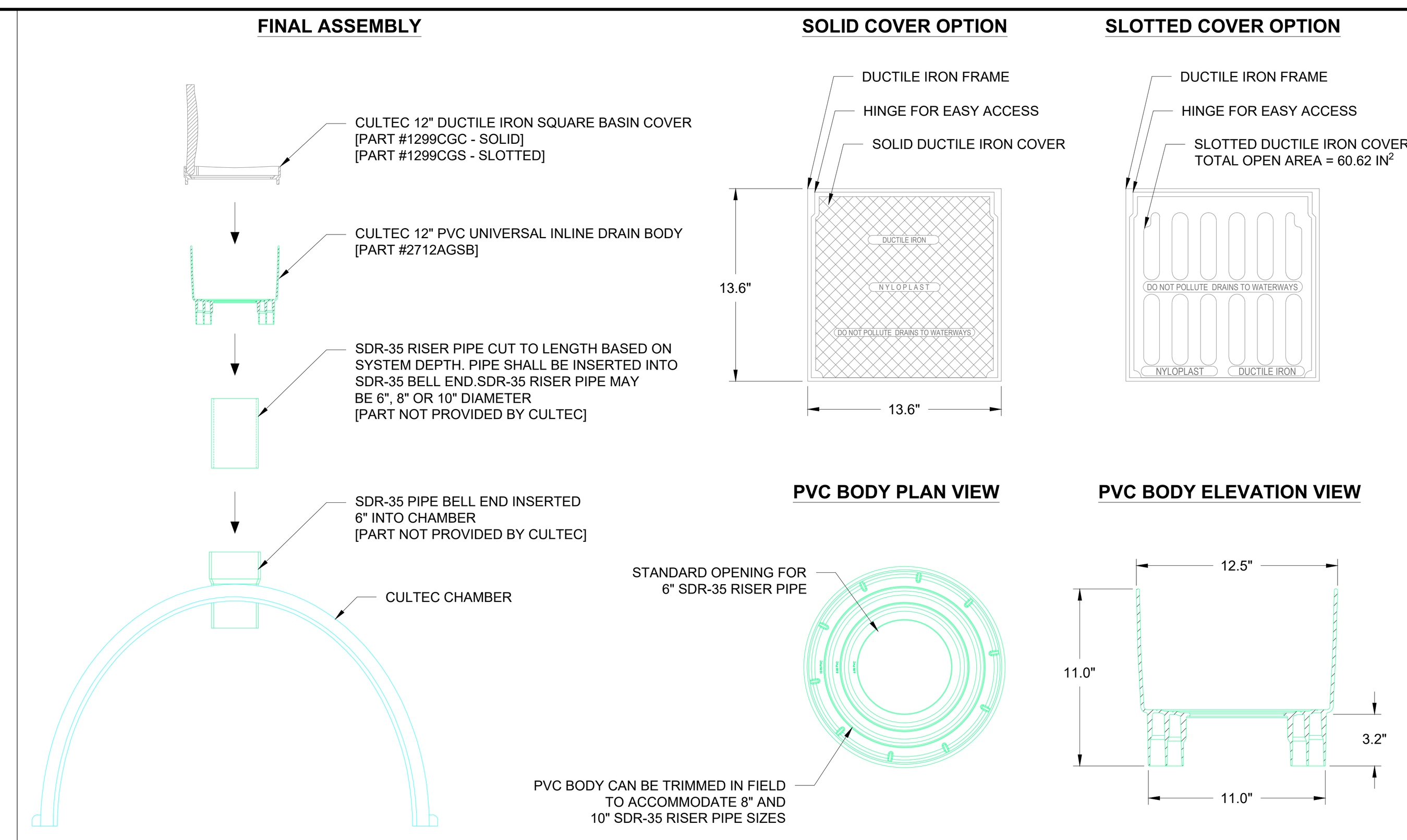
CULTEC AFAB-HPF™ WOVEN GEOTEXTILE

CULTEC AFAB-HPF WOVEN GEOTEXTILE IS DESIGNED AS A UNDERLAYMENT TO PREVENT SCOURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC CHAMBERS AND FEED CONNECTORS UTILIZING THE CULTEC MANIFOLD FEATURE. IT MAY ALSO BE USED AS A COMPONENT OF THE CULTEC SEPARATOR ROW TO ACT AS A BARRIER TO PREVENT SOIL/CONTAMINANT INTRUSION INTO THE STONE WHILE ALLOWING FOR MAINTENANCE.

GEOTEXTILE PARAMETERS

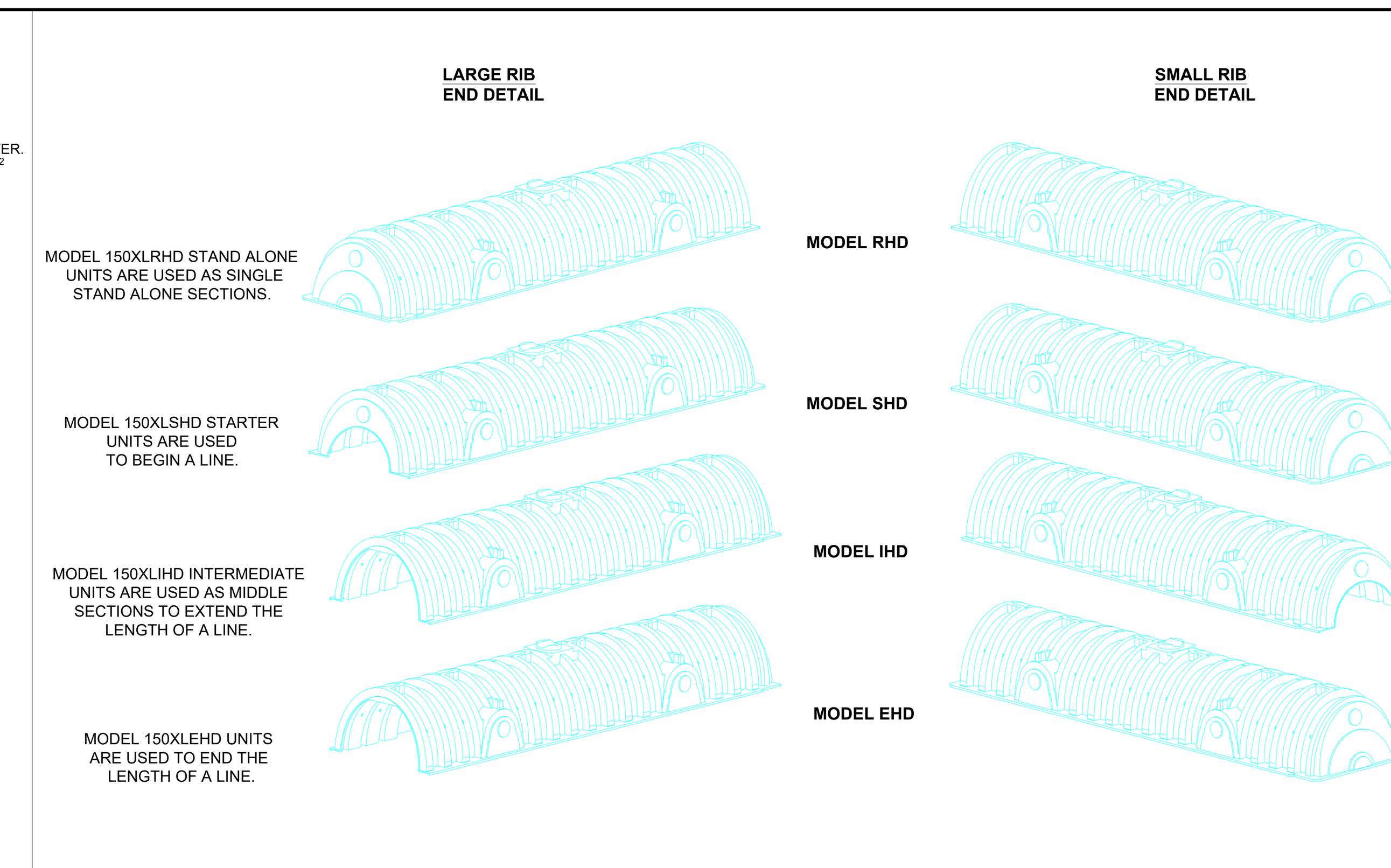
1. THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
3. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 320 X 320 LBS (1,420 X 1,420 N) PER ASTM D4632 TESTING METHOD.
4. THE GEOTEXTILE SHALL HAVE A ELONGATION @ BREAK RESISTANCE OF 15 X 15% PER ASTM D4632 TESTING METHOD.
5. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 3,563 X 3,563 LBS/FT (52 X 52 KN/M) PER ASTM D4595 TESTING METHOD.
6. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 1,500 LBS (6,670 N) PER ASTM D6241 TESTING METHOD.
7. THE GEOTEXTILE SHALL HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 120 X 120 LBS (540 X 540 N) PER ASTM D4533 TESTING METHOD.
8. THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 30 US STD. SIEVE (0.60 MM) PER ASTM D4751 TESTING METHOD.
9. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.2 SEC-1 PER ASTM D4491 TESTING METHOD.
10. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATING OF 22 GPM/FT2 (900 LPM/M2) PER ASTM D4491 TESTING METHOD.
11. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 70% @ 500 HRS. PER ASTM D4355 TESTING METHOD.

150XLHD 1.0 — GENERAL NOTES



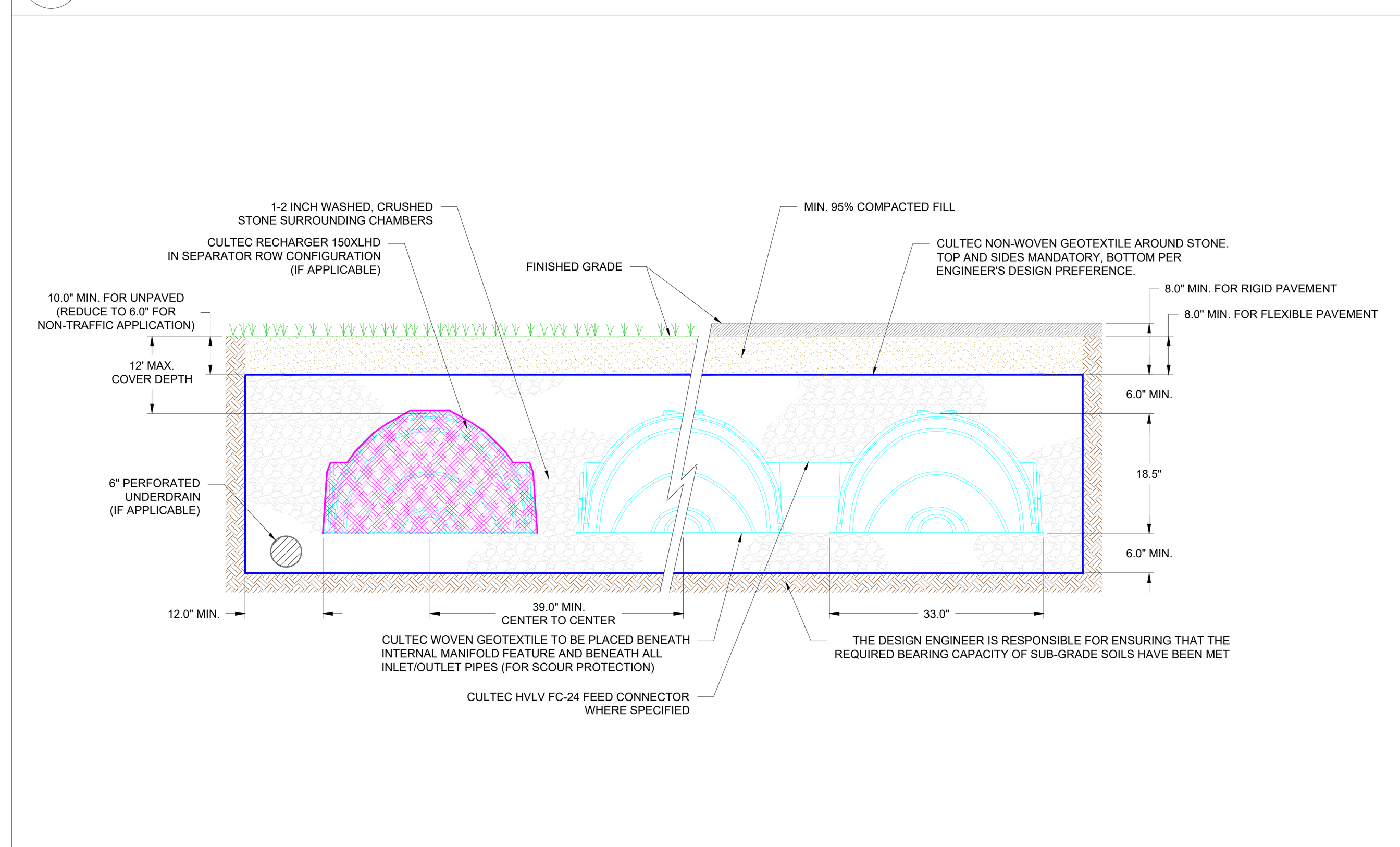
FINAL ASSEMBLY
CULTEC 12" DUCTILE IRON SQUARE BASIN COVER [PART #1299CGC - SOLID] [PART #1299CGS - SLOTTED]
CULTEC 12" PVC UNIVERSAL INLINE DRAIN BODY [PART #2712AGSB]
SDR-35 RISER PIPE CUT TO LENGTH BASED ON SYSTEM DEPTH. PIPE SHALL BE INSERTED INTO SDR-35 BELL END SDR-35 RISER PIPE MAY BE 6", 8" OR 10" DIAMETER [PART NOT PROVIDED BY CULTEC]
SDR-35 PIPE BELL END INSERTED 6" INTO CHAMBER [PART NOT PROVIDED BY CULTEC]
CULTEC CHAMBER
SOLID COVER OPTION
SLOTTED COVER OPTION
DUCTILE IRON FRAME
HINGE FOR EASY ACCESS
SOLID DUCTILE IRON COVER
SLOTTED DUCTILE IRON COVER TOTAL OPEN AREA = 60.62 IN²
13.6"
PVC BODY PLAN VIEW
PVC BODY ELEVATION VIEW
STANDARD OPENING FOR 6" SDR-35 RISER PIPE
PVC BODY CAN BE TRIMMED IN FIELD TO ACCOMMODATE 8" AND 10" SDR-35 RISER PIPE SIZES
12.5"
11.0"
3.2"

150XLHD 2.0 — CULTEC UNIVERSAL INSPECTION PORT KIT DETAIL



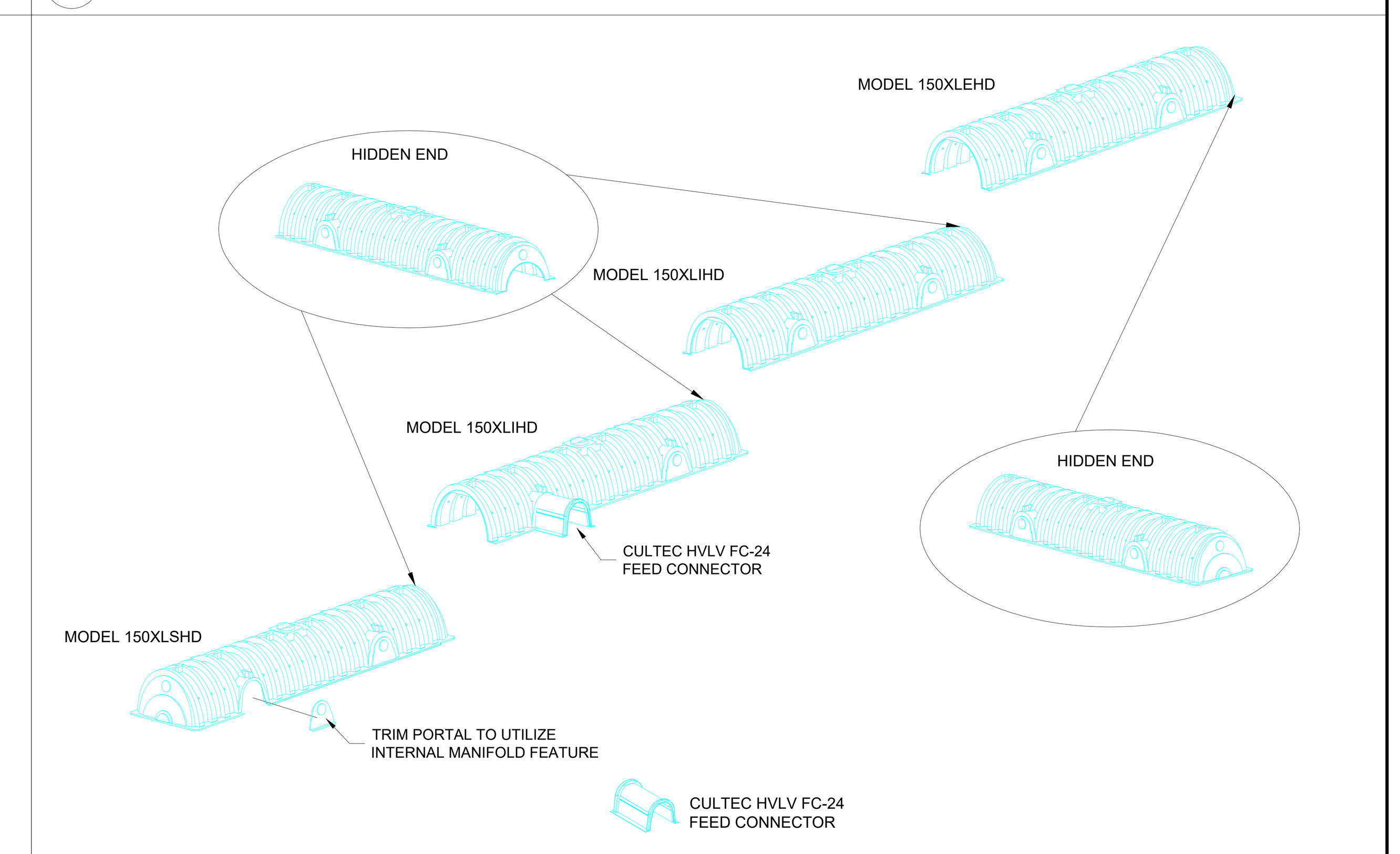
LARGE RIB END DETAIL
SMALL RIB END DETAIL
MODEL 150XLRHD STAND ALONE UNITS ARE USED AS SINGLE STAND ALONE SECTIONS.
MODEL RHD
MODEL 150XLSHD STARTER UNITS ARE USED TO BEGIN A LINE.
MODEL SHD
MODEL 150XLIHD INTERMEDIATE UNITS ARE USED AS MIDDLE SECTIONS TO EXTEND THE LENGTH OF A LINE.
MODEL IHD
MODEL 150XLEHD UNITS ARE USED TO END THE LENGTH OF A LINE.
MODEL EHD

150XLHD 3.0 — CULTEC RECHARGER 150XLHD HEAVY DUTY END DETAIL INFORMATION

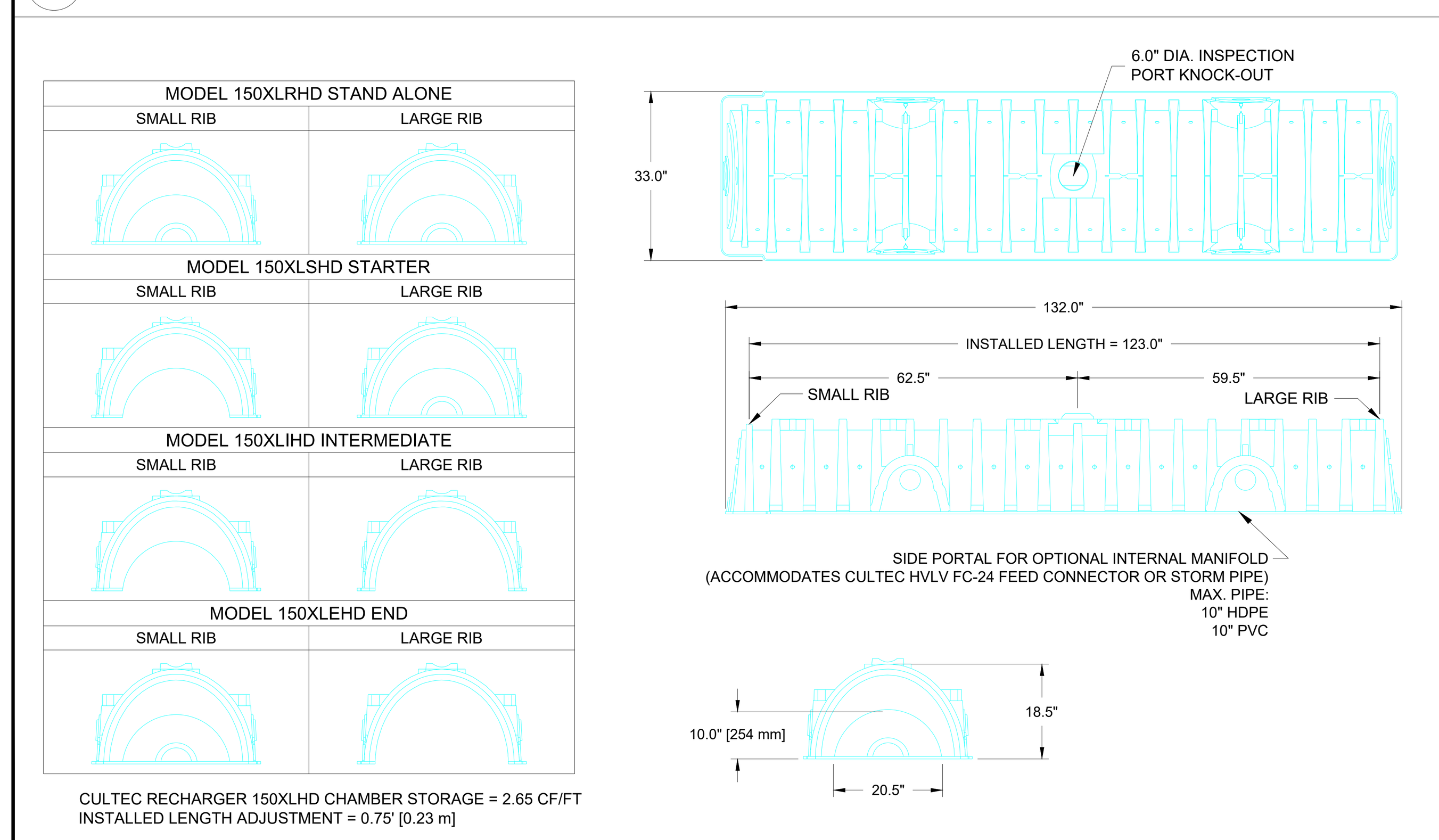


1-2 INCH WASHED, CRUSHED STONE SURROUNDING CHAMBERS
CULTEC RECHARGER 150XLHD IN SEPARATOR ROW CONFIGURATION (IF APPLICABLE)
FINISHED GRADE
MIN. 95% COMPACTED FILL
CULTEC NON-WOVEN GEOTEXTILE AROUND STONE. TOP AND SIDES MANDATORY, BOTTOM PER ENGINEER'S DESIGN PREFERENCE.
8.0" MIN. FOR RIGID PAVEMENT
8.0" MIN. FOR FLEXIBLE PAVEMENT
10.0" MIN. FOR UNPAVED (REDUCE TO 6.0" FOR NON-TRAFFIC APPLICATION)
12' MAX. COVER DEPTH
6.0" MIN.
18.5"
6" PERFORATED UNDERDRAIN (IF APPLICABLE)
12.0" MIN.
39.0" MIN. CENTER TO CENTER
33.0"
CULTEC WOVEN GEOTEXTILE TO BE PLACED BENEATH INTERNAL MANIFOLD FEATURE AND BENEATH ALL INLET/OUTLET PIPES (FOR SCOUR PROTECTION)
THE DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING THAT THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS HAVE BEEN MET
CULTEC HVLV FC-24 FEED CONNECTOR WHERE SPECIFIED

150XLHD 4.0 — CULTEC RECHARGER 150XLHD HEAVY DUTY CROSS SECTION

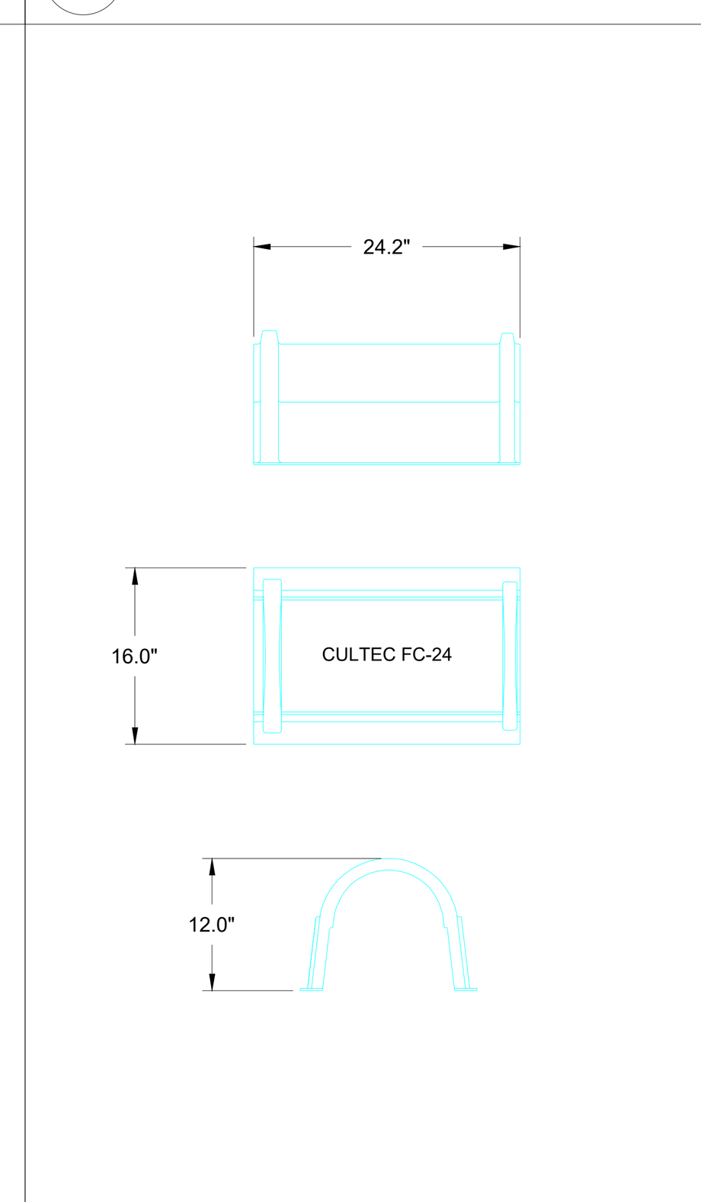


150XLHD 5.0 — CULTEC RECHARGER 150XLHD HEAVY DUTY TYPICAL INTERLOCK

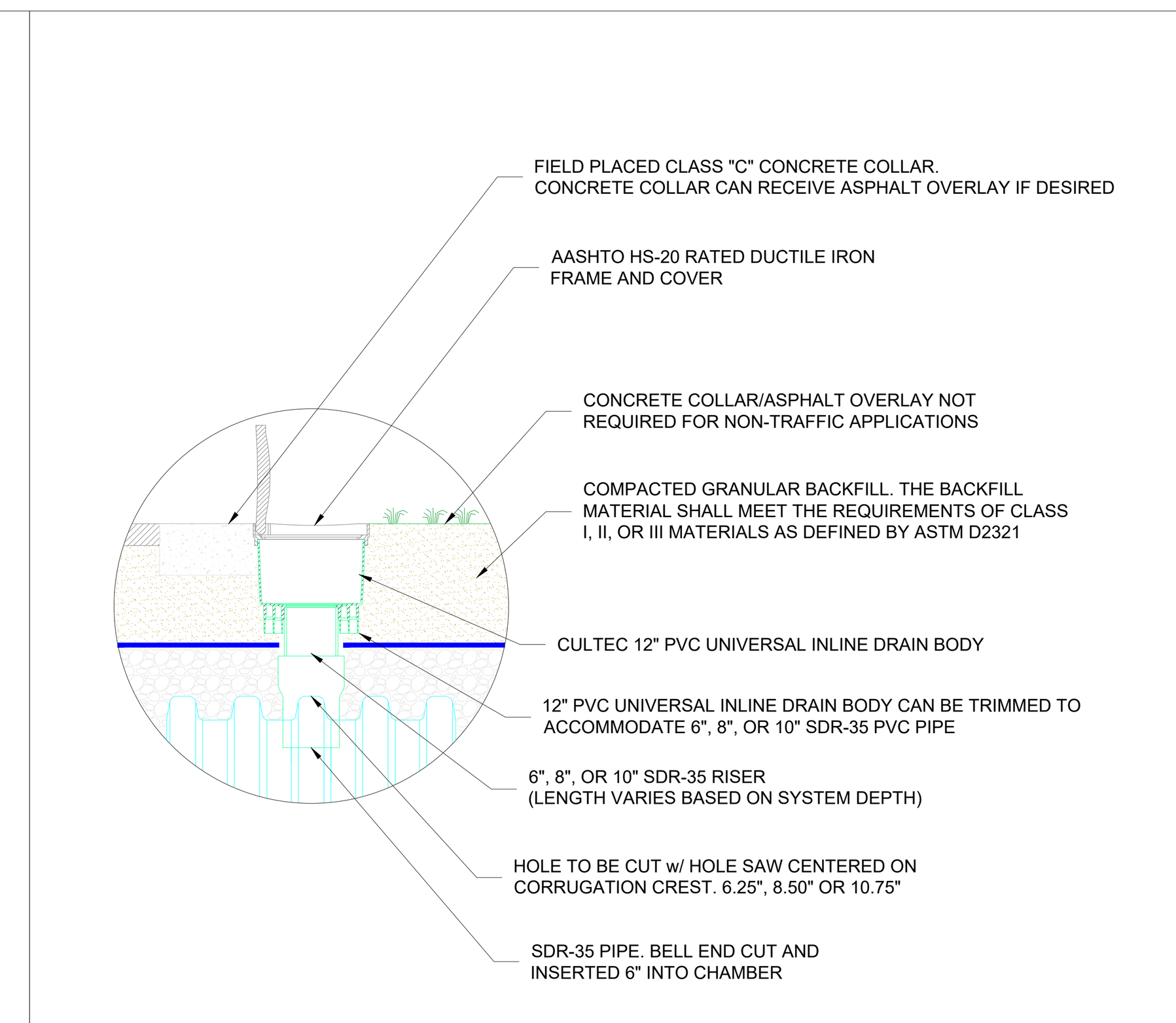


MODEL 150XLRHD STAND ALONE
SMALL RIB
LARGE RIB
MODEL 150XLSHD STARTER
MODEL 150XLIHD INTERMEDIATE
MODEL 150XLEHD END
6.0" DIA. INSPECTION PORT KNOCK-OUT
33.0"
132.0"
INSTALLED LENGTH = 123.0"
62.5"
59.5"
SMALL RIB
LARGE RIB
SIDE PORTAL FOR OPTIONAL INTERNAL MANIFOLD (ACCOMMODATES CULTEC HVLV FC-24 FEED CONNECTOR OR STORM PIPE) MAX. PIPE: 10" HDPE 10" PVC
18.5"
10.0" [254 mm]
20.5"
CULTEC RECHARGER 150XLHD CHAMBER STORAGE = 2.65 CF/FT
INSTALLED LENGTH ADJUSTMENT = 0.75' [0.23 m]

150XLHD 6.0 — CULTEC RECHARGER 150XLHD HEAVY DUTY THREE VIEW

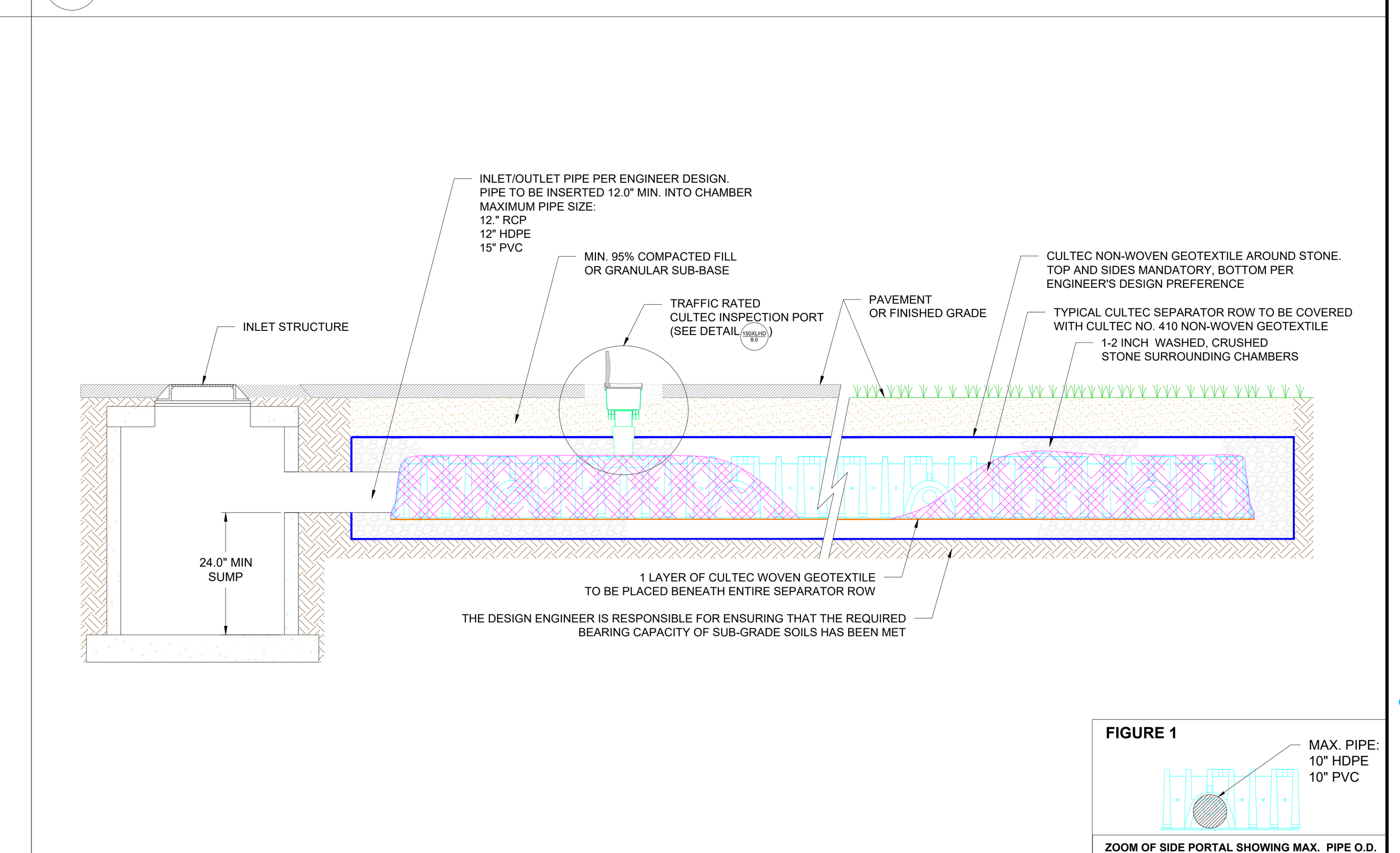


150XLHD 7.0 — CULTEC HVLV FC-24 FEED CONNECTOR THREE VIEW



FIELD PLACED CLASS "C" CONCRETE COLLAR. CONCRETE COLLAR CAN RECEIVE ASPHALT OVERLAY IF DESIRED
AASHTO HS-20 RATED DUCTILE IRON FRAME AND COVER
CONCRETE COLLAR/ASPHALT OVERLAY NOT REQUIRED FOR NON-TRAFFIC APPLICATIONS
COMPACTED GRANULAR BACKFILL. THE BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF CLASS I, II, OR III MATERIALS AS DEFINED BY ASTM D2321
CULTEC 12" PVC UNIVERSAL INLINE DRAIN BODY
12" PVC UNIVERSAL INLINE DRAIN BODY CAN BE TRIMMED TO ACCOMMODATE 6", 8", OR 10" SDR-35 PVC PIPE
6", 8", OR 10" SDR-35 RISER (LENGTH VARIES BASED ON SYSTEM DEPTH)
HOLE TO BE CUT w/ HOLE SAW CENTERED ON CORRUGATION CREST. 6.25", 8.50" OR 10.75"
SDR-35 PIPE. BELL END CUT AND INSERTED 6" INTO CHAMBER

150XLHD 8.0 — CULTEC INSPECTION PORT - ZOOM DETAIL



INLET/OUTLET PIPE PER ENGINEER DESIGN. PIPE TO BE INSERTED 12.0" MIN. INTO CHAMBER
INLET STRUCTURE
MIN. 95% COMPACTED FILL OR GRANULAR SUB-BASE
TRAFFIC RATED CULTEC INSPECTION PORT
PAVEMENT OR FINISHED GRADE
CULTEC NON-WOVEN GEOTEXTILE AROUND STONE. TOP AND SIDES MANDATORY, BOTTOM PER ENGINEER'S DESIGN PREFERENCE
TYPICAL CULTEC SEPARATOR ROW TO BE COVERED WITH CULTEC NO. 410 NON-WOVEN GEOTEXTILE
1-2 INCH WASHED, CRUSHED STONE SURROUNDING CHAMBERS
24.0" MIN SUMP
1 LAYER OF CULTEC WOVEN GEOTEXTILE TO BE PLACED BENEATH ENTIRE SEPARATOR ROW
THE DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING THAT THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS HAVE BEEN MET
FIGURE 1
MAX. PIPE: 10" HDPE 10" PVC

150XLHD 9.0 — CULTEC SEPARATOR ROW - CULTEC INSPECTION PORT DETAIL (IF APPLICABLE)

CULTEC STORMWATER CHAMBER

PROJECT NO:	24-0298.03
DATE:	08/09/2024
DESIGNED BY:	MPW
CHECKED BY:	AES
SCALE:	N.T.S.
SHEET NO:	5 OF 5

EDISTO TOWN HALL
EDISTO, SC
SYSTEM DETAIL SHEET

CULTEC
Subsurface Stormwater Management Systems
P.O. Box 280
878 Federal Road
Brookfield, CT 06804
www.cultec.com
PH: 1(203) 775-4416
PH: 1(800) 4-CULTEC
CT-tech@cultec.com

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC 843.884.1667
GREENVILLE, SC 864.298.0534
SUMMERVILLE, SC 843.972.0710
SPARTANBURG, SC 864.272.1272
CHARLOTTE, NC 980.312.5450
RALEIGH, NC 980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS	
0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

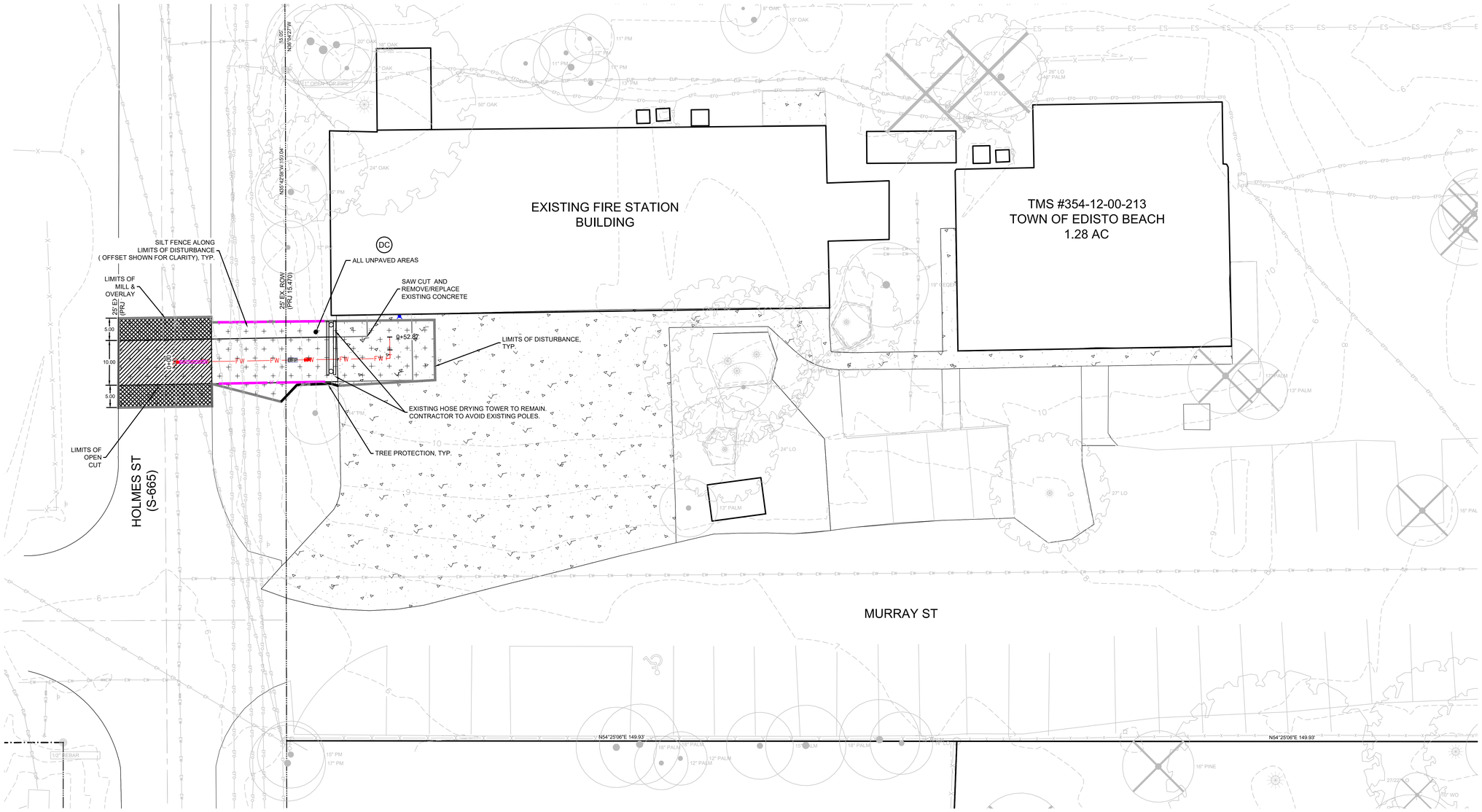
2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

CULTEC SYSTEM DETAILS

SHEET NAME	CULTEC SYSTEM DETAILS
PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C904



LEGEND

SF	SILT FENCE
	LIMITS OF DISTURBANCE
TP	TREE PROTECTION
	HATCH DENOTES DISTURBED AREA
	HATCH DENOTES MILL & OVERLAY
	HATCH DENOTES PAVEMENT/CONCRETE REMOVAL

NOTE:
1. SEE SHEET C100 FOR LEGEND AND SHEETS C1000-C1002 FOR SWPPP NOTES AND DETAILS
2. ALL DISTURBED AREAS SHALL BE RETURN TO THEIR EXISTING GRADE PRIOR TO FINAL STABILIZATION.

LAND DISTURBANCE	
	TOTAL
AREA OF LAND DISTURBANCE	1.6 AC

EXISTING UTILITY NOTE:

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

811 Know what's below. Call before you dig.

0 5 10 20
SCALE: 1" = 10'

SEALS

SOUTH CAROLINA — REGISTERED LANDSCAPE ARCHITECT — No. 20961 — 1/7/25 — JENNIFER R. PALMER

SOUTH CAROLINA — SEAMON, WHITESIDE & ASSOCIATES, INC. — No. C00472 — CERTIFICATE OF AUTHORIZATION

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
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RALEIGH, NC
980.312.5450
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REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

FIRE LINE SWPPP

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C1000

1/7/2025 10:19 AM

DRAINAGE FACILITIES MAINTENANCE PLAN

1. TEMPORARY STORMWATER AND SEDIMENT CONTROLS (SSC'S):
   A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
      I. DURING CONSTRUCTION (UNTIL FINAL APPROVAL BY THE AUTHORITIES HAVING JURISDICTION AND THE OWNER):
         (1) DAILY:
            (A) OBSERVING PAVED AREAS THAT ARE UTILIZED FOR SITE ACCESS TO LOOK FOR SIGNS OF SOIL BEING TRACKED FROM THE SITE AND TAKING CORRECTIVE ACTION AS NECESSARY (SEE NOTE #6 UNDER "STORMWATER AND SEDIMENT CONTROL").
            (B) CORRECTING ANY DAMAGE TO SSC'S AS SOON AS POSSIBLE WHEN IT OCCURS.
         (2) WEEKLY (SEE NOTE #3 UNDER "STORMWATER AND SEDIMENT CONTROL"-CONTRACTOR SHALL COORDINATE WITH ENGINEER TO CONFIRM THAT ARRANGEMENTS ARE IN PLACE FOR REQUIRED INSPECTIONS AND LOG MANAGEMENT):
            (A) INSPECTING SSC'S FOR DAMAGE AND ACCUMULATED SEDIMENT. REMOVING SEDIMENT AND REPAIRING OR REPLACING DAMAGED SSC'S AS NECESSARY.
            (B) EVALUATING PERFORMANCE AND AMENDING, MODIFYING, IMPROVING, OR RELOCATING SSC'S AS NECESSARY.
            (C) LOGGING INSPECTION OBSERVATIONS, RECOMMENDATIONS, REPAIRS, RELOCATIONS, AMENDMENTS, AND IMPROVEMENTS AS NECESSARY.
         (3) BI-WEEKLY:
            (A) EVALUATING SITE AND INSTALLING PERMANENT LANDSCAPING OR TEMPORARY SEEDING AS NECESSARY.
      II. AT COMPLETION OF CONSTRUCTION (UPON FINAL APPROVAL BY AUTHORITIES HAVING JURISDICTION AND THE OWNER) REMOVAL OF ALL TEMPORARY SSCS.

2. DRAINAGE CULVERTS AND STRUCTURES:
   A. DURING CONSTRUCTION (UNTIL FINAL APPROVAL BY THE AUTHORITIES HAVING JURISDICTION AND THE OWNER):
      I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:
         (1) PROTECTING THE CULVERTS AND STRUCTURES FROM DAMAGE.
         (2) PREVENTING SEDIMENT FROM ENTERING THE CULVERTS AND STRUCTURES.
         (3) REPAIR OF ANY DAMAGE AND REMOVAL OF SEDIMENT AS SOON AS POSSIBLE AFTER IT OCCURS.
   B. AFTER CONSTRUCTION
      I. FOR PUBLIC ROADWAY AND EASEMENT AREAS, THESE AREAS WILL BE DEDICATED TO AN OPERATING GOVERNMENTAL AUTHORITY UPON COMPLETION AND THAT AUTHORITY WILL PERFORM MAINTENANCE.
      II. FOR PRIVATE PROPERTY AREAS, THE OWNER OR HIS ASSIGNS WILL BE RESPONSIBLE FOR MAINTENANCE IN PERPETUITY.

PERMANENT SEEDING (TO BE USED WHERE PERMANENT TURF AND/OR STABILIZATION IS INDICATED ON PLANS AND/OR DETAILS. UNLESS OTHERWISE DEFINED ON THE PLANS, ALL AREAS DISTURBED MUST BE STABILIZED).

1. IN PARTICULAR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO:
   A. ESTABLISH A UNIFORM PERENNIAL STAND OF VEGETATION WITH A ROOT SYSTEM THAT IS SUFFICIENTLY DEVELOPED TO SURVIVE DRY PERIODS AND WINTER WEATHER AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING.
   B. PROVIDE MINIMUM UNIFORM DENSITY COVERAGE OF 70% THROUGHOUT THE SEEDED AREA, IN ACCORDANCE WITH THE DEFINITION OF "FINAL STABILIZATION" AS DEFINED IN THE SCDHEC NPDES GENERAL PERMIT.
   C. MAINTAIN THE STAND OF VEGETATION INCLUDING MOWING; FERTILIZING; WEED, DISEASE AND INSECT CONTROL; AND WATERING AS NECESSARY, UNTIL FINAL ACCEPTANCE BY THE OWNER AND/OR AUTHORITY HAVING JURISDICTION.

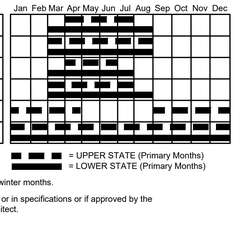
2. ALL NECESSARY (GROUND BED) PREPARATION, INSTALLATION, AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE LANDSCAPING SPECIFICATIONS FOR THE PROJECT OR, IN INSTANCES WHERE LANDSCAPING SPECIFICATIONS DO NOT EXIST, IN ACCORDANCE WITH APPLICABLE PORTIONS (INCLUDING BED PREPARATION, MULCH, FERTILIZERS, STIMULANTS, TACKIFIERS, ETC) OF SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).

3. UNLESS OTHERWISE INDICATED ON THIS SHEET OR IN SPECIFICATIONS, PERMANENT SEED SELECTION AND APPLICATION SHALL BE IN ACCORDANCE WITH APPENDIX C OF THE SOUTH CAROLINA DHEC STORM WATER MANAGEMENT BMP HANDBOOK. SEED SPECIES AND APPLICATION RATE SHALL BE AS INDICATED FOR THE PROJECT LOCATION, SOIL TYPE, AND DATE OF INSTALLATION.

4. PERMANENT SEED SELECTION (SELECTION METHOD BELOW FOLLOWS SCDOT RECOMMENDATIONS):
   SELECT A MINIMUM OF TWO (2) SEED SPECIES FROM TABLE 1 BELOW, AND A MINIMUM OF ONE (1) ACCEPTABLE ANNUAL NURSE CROP SEED SPECIES FROM TABLE 2 BELOW (UNDER THE TEMPORARY SEEDING SECTION). OR,
   SELECT ONE (1) SEED SPECIES FROM TABLE 1 AT DOUBLE THE SPECIFIED RATE WITH A MINIMUM OF ONE (1) ACCEPTABLE ANNUAL NURSE CROP SEED SPECIES FROM TABLE 2 AT THE SPECIFIED RATE.
   DURING APPLICATION IN "NON-PRIMARY MONTHS", THE SEED MIX SHALL BE PREPARED TO PROVIDE FOR GERMINATION OF PERMANENT SPECIES IN THE FOLLOWING SPRING AND SUMMER TO INSURE 70% COVERAGE IS ACHIEVED AS DESCRIBED IN NOTE 1 ABOVE.

TABLE 1 - PERMANENT SEEDING (Perennial Seed)

Species	Lbs/Ac
* Common Bermuda	30
Carpet Grass	15
Centipedegrass	10
** Bahiagrass	30
** Tall Fescue	50
** Weeping Lovegrass	5



* Use unhulled seed during fall and winter months.

** Only use where specified on plans or in specifications or if approved by the owner, engineer or landscape architect.

TEMPORARY SEEDING (TO BE USED ONLY FOR TEMPORARY STABILIZATION DURING CONSTRUCTION)

1. IN PARTICULAR THE CONTRACTOR SHALL:
   A. ESTABLISH A STAND OF VEGETATION THAT IS CAPABLE TO PREVENT EROSION AND SEDIMENT LOSS, IN ACCORDANCE WITH THE DEFINITION OF "TEMPORARY STABILIZATION" AS DEFINED IN THE SCDHEC NPDES GENERAL PERMIT.
   B. INITIATE TEMPORARY STABILIZATION EFFORTS AS REQUIRED IN NOTE 2 AND 12 OF THE "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.
   C. MAINTAIN THE STAND OF VEGETATION UNTIL REPLACED BY PERMANENT LANDSCAPING OR SUBSEQUENT CONSTRUCTION.

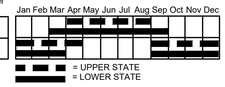
2. ALL NECESSARY (GROUND BED) PREPARATION, INSTALLATION, AND MAINTENANCE OF TEMPORARYSEEDING SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS (INCLUDING BED PREPARATION, MULCH, FERTILIZERS STIMULANTS, TACKIFIERS, ETC) OF SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).

3. UNLESS OTHERWISE INDICATED ON THIS SHEET OR IN SPECIFICATIONS, TEMPORARY SEED SHALL BE IN ACCORDANCE WITH APPENDIX C OF THE SOUTH CAROLINA DHEC STORM WATER MANAGEMENT BMP HANDBOOK. SEED SPECIES AND APPLICATION RATE SHALL BE AS INDICATED FOR THE PROJECT LOCATION, SOIL TYPE, AND DATE OF INSTALLATION.

4. TEMPORARY SEED SELECTION (SELECTION METHOD BELOW FOLLOWS SCDOT RECOMMENDATIONS):
   FOR SHORT DURATION APPLICATIONS, SELECT A MINIMUM OF ONE (1) SEED SPECIES FROM TABLE 2 BELOW.
   FOR LONGER DURATION APPLICATIONS, SELECT A MINIMUM OF ONE (1) SEED SPECIES FROM TABLE 1 ABOVE (UNDER PERMANENT SEEDING) AND FROM TABLE 2 BELOW, AND APPLY AT THE RATES SPECIFIED.

TABLE 2 - NURSE CROP AND TEMPORARY SEEDING (Annual Seed)

Species	Nurse Crop Lbs/Ac	Temp. Cover Lbs/Ac
Browntop Millet	15	60
Ryegrass	75	200



PERMITTING NOTES

1. THESE PLANS HAVE BEEN PREPARED TO MEET THE INITIAL REQUIREMENTS OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR COVERAGE UNDER THE NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (NPDES). THE OWNER AND CONTRACTOR(S) ARE ADVISED THAT ADDITIONAL REQUIREMENTS, WHICH ARE BEYOND THE SCOPE OF THESE PLANS, MUST BE MET IN ORDER TO ASSURE CONTINUED COVERAGE UNDER THE NPDES.

2. COVERAGE UNDER THE NPDES IS INITIATED BY THE SC DEPT. OF HEALTH AND ENVIRONMENTAL CONTROL'S (SCDHEC) APPROVAL OF THE PROJECT FOR CONSTRUCTION. THE OWNER'S SUBMITTAL OF AN ENVIRONMENT PROTECTION AGENCY (EPA) NOTICE OF INTENT (NOI) SERVES AS THE OWNER'S CERTIFICATION THAT HE HAS PREPARED, AND WILL IMPLEMENT AND MAINTAIN, A SWPPP THROUGHOUT THE CONSTRUCTION PERIOD. FURTHERMORE, IT CERTIFIES THAT HE WILL DOCUMENT AND WHERE REQUIRED, REPORT SITE CONDITIONS, REMEDIAL EFFORTS, SWPPP MODIFICATIONS, AND OTHER STORMWATER RELATED ACTIVITIES IN ACCORDANCE WITH NPDES REQUIREMENTS. COVERAGE UNDER THE NPDES IS TERMINATED UPON THE OWNER'S SUBMITTAL OF AN EPA NOTICE OF TERMINATION (NOT) WHEN SCDHEC APPROVAL OF THE COMPLETED PROJECT HAS BEEN RECEIVED.

3. THE OWNER IS ADVISED THAT SWA'S SCOPE OF SERVICES DOES NOT NECESSARILY INCLUDE EFFORTS TO DOCUMENT AND REPORT ACTIVITIES IN ACCORDANCE WITH NPDES REQUIREMENTS. WHILE SWA CAN PERFORM THESE SERVICES UPON REQUEST, THEY CAN ALSO BE PROVIDED BY THIRD PARTY FIRMS WHO SPECIALIZE IN DOCUMENTATION AND REPORTING OF NPDES RELATED ACTIVITIES. REGARDLESS, THESE ACTIVITIES MUST BE ACCOMPLISHED, DOCUMENTED, AND WHERE REQUIRED, REPORTED THROUGHOUT THE CONSTRUCTION PERIOD IN ORDER TO AVOID AN NPDES VIOLATION.

4. ADDITIONAL PARTIES WHO ARE ASSOCIATED WITH A PROJECT THAT HAS RECEIVED NPDES COVERAGE ARE REQUIRED TO ADHERE TO THE REQUIREMENTS OF THE PROJECT SWPPP FOR THOSE PORTIONS THAT PERTAIN TO THEIR ACTIVITIES (REFER TO SECTIONS 2.1 & 2.2 OF THE STATE GENERAL PERMIT). IN ADDITION, PARTIES WHO ARE ASSOCIATED WITH ACTIVITIES THAT ARE PART OF A "LARGER COMMON PLAN" (LCP) THAT HAS RECEIVED NPDES COVERAGE MAY ALSO SHARE RESPONSIBILITY FOR COMPLIANCE AS A "SECONDARY PERMITTEE" (REFER TO SECTIONS 2.2.2 OF THE STATE GENERAL PERMIT). ALL PARTIES ASSOCIATED WITH ANY CONSTRUCTION ACTIVITIES ARE ADVISED TO CLARIFY THEIR RESPONSIBILITIES FOR COMPLIANCE WITH THE STATE GENERAL PERMIT AND THE PROJECT'S NPDES PERMIT AND SWPPP.

5. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS ARE REQUIRED TO SUBMIT AN "INDIVIDUAL LOT NOTICE OF INTENT" MEETING THE REQUIREMENTS OF SECTION 2.3.2 AT LEAST SEVEN (7) BUSINESS DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. REFER TO SECTION 2.2.2 AND SECTION 2.3.2 OF THE STATE GENERAL PERMIT.

SWPPP - LAND DISTURBANCE & CONSTRUCTION AND STABILIZATION PHASE - SEQUENCE OF CONSTRUCTION:

1.1 RECEIVE NPDES COVERAGE FROM DHEC.

1.2 CONDUCT PRE-CONSTRUCTION MEETING (AS DEFINED IN SECTION 4.1 OF THE STATE GENERAL PERMIT OR AS SPECIFIED IN THE PROJECTS NPDES PERMIT).

1.3 NOTIFY DHEC EQC OFFICE OR DHEC-OCRM AND THE MS 4 OPERATOR 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.

1.4 INSTALL CONSTRUCTION ENTRANCE(S) AND BEGIN MAINTENANCE OF SEDIMENT CONTROLS AS NECESSARY. CONTINUE MAINTENANCE UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE ENGINEER.

1.5 INSTALL RELATED BMP's.

1.6 DEMOLITION MAY BEGIN ONCE ALL PHASE 1 EROSION CONTROL MEASURES ARE IN PLACE.

1.7 CONTINUE MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE ENGINEER. AT WHICH TIME THEY SHALL BE PROMPTLY REMOVED.

1.8 COMPLETE MASS GRADING OPERATIONS, AND ROUGH GRADING.

1.9 COMPLETE ALL UTILITIES AND SITE SURFACE IMPROVEMENTS AS APPLICABLE, INCLUDING BUT NOT NECESSARILY LIMITED TO: WATER, SEWER, DRAINAGE, POWER, COMMUNICATIONS, GAS, CURBS, WALKS, PAVEMENT, COURTYARDS, PLAZAS, SITE LIGHTING, ETC

2.0 COMMENCE WITH HORIZONTAL CONSTRUCTION.

2.1 AFTER ALL HORIZONTAL CONSTRUCTION IS COMPLETE INSTALL LANDSCAPING AND/OR ESTABLISH PERMANENT SOIL STABILIZATION.

2.2 WHEN APPLICABLE, CLEAN AND RE-GRADE.

2.3 REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER THE ENTIRE AREA FLOWING TO EACH MEASURE IS PERMANENTLY STABILIZED AND APPROVED BY THE ENGINEER.

2.4 PERFORM AS-BUILT SURVEYS OF THE DRAINAGE SYSTEM, AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, AND SUBMIT TO THE OWNER AND ENGINEER FOR REVIEW AND SUBMITTAL TO DHEC AND/OR THE MS4 FOR REVIEW AND APPROVAL.

2.5 SUBMITTAL NOTICE OF TERMINATION (NOT) TO DHEC, BY THE OWNER AND ENGINEER.

SWPPP- LAND DISTURBANCE &CONSTRUCTION AND STABILIZATION PHASE - NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INITIAL LAND DISTURBANCE PHASE.

A. APPROPRIATE BMP'S SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS OR DITCHES WHERE INDICATED ON PLANS OR IN OTHER AREAS WHERE NEEDED.

B. CONTRACTOR SHALL PERFORM DE-WATERING WITH APPROPRIATE BMP'S IN A MANNER THAT MEETS LOCAL AND STATE REGULATIONS WITH REGARD TO DISPOSAL OF WATER AND REMOVED SEDIMENT.

C. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE AND SHALL BE MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. ANY FAILURES OF FENCING SHALL BE REPAIRED IMMEDIATELY.

D. NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT PERMISSION OF THE AUTHORITIES HAVING JURISDICTION, THE OWNER, AND THE ENGINEER.

E. THE CONSTRUCTION ENTRANCE / EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PAVED AREAS.

F. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES.

G. THE LOCATION OF SOME EROSION CONTROL DEVICES MAY NEED TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DEVIATE FROM THOSE PROPOSED. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER.

H. FOLLOW ALL "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.

I. APPROPRIATE MEASURES ARE TO BE IMPLEMENT AS REQUIRED TO PREVENT SEDIMENT FROM ENTERING INLET PIPES AND BOXES. EACH PROTECTIVE MEASURE IS TO BE IN PLACE AS SOON AS POSSIBLE, AND PRIOR TO ANY RAIN EVENT, AFTER PIPE, STRUCTURE, ETC. IS INSTALLED. ACCUMULATED SEDIMENT SHALL BE REMOVED AND PLACED ON-SITE IN SUCH A MANNER THAT IT DOES NOT ACCUMULATE AGAIN.

J. FINAL CUT AND FILL SLOPES ARE TO FOLLOW THE CONSTRUCTION PLANS. TEMPORARY CUT AND FILL SLOPES SHALL NOT NOT EXCEED 2H:1V. 3H:1V OR BETTER IS PREFERRED IN ALL LOCATIONS UNLESS INFEASIBLE.

K. UPON COMPLETION OF THE PROJECT AND AUTHORIZATION FROM THE AUTHORITY HAVING JURISDICTION, THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE ALL TEMPORARY EROSION CONTROL MEASURES, UNLESS OTHERWISE NOTED.
FOLLOW ALL "STORMWATER AND SEDIMENT CONTROL" NOTES LISTED ON THIS PAGE.

STORMWATER AND SEDIMENT CONTROL
UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE FOR ALL OF THE REQUIREMENTS LISTED BELOW, AS APPLICABLE, AS PART OF HIS WORK INCLUDED IN HIS BASE BID.

1. IF NECESSARY, SLOPES THAT EXCEED 8 VERTICAL FEET IN HEIGHT SHALL BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO SEEDING. TEMPORARY SLOPE DRAINS AND/OR BERMS SHALL BE INSTALLED AS NECESSARY UNTIL FINAL GRADE AND STABILIZATION IS ESTABLISHED.

2. STABILIZATION MEASURES (EITHER PERMANENT LANDSCAPING OR TEMPORARY SEEDING) SHALL BE INSTALLED AS SOON AS PRACTICAL ON PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION HAS CEASED, EXCEPT AS STATED BELOW:
   A. WHERE STABILIZATION BEFORE THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE.
   B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE HAS TEMPORARILY CEASED AND LAND DISTURBING ACTIVITIES WILL RESUME WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP IS INAPPROPRIATE, OR HAS BEEN INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.

4. PROVIDE SILT FENCE AND/OR OTHER EROSION CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED BY PERMANENT SEEDING, OR OTHER MEASURES WHERE INDICATED ON THE PLANS, IMMEDIATELY AFTER UTILITY CONSTRUCTION IS COMPLETE UNLESS ADDITIONAL CONSTRUCTION IS TO TAKE PLACE. BACKFILLING OF THE TRENCH AT THE END OF EACH DAY IS MANDATORY AND TEMPORARY SEEDING IS RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER ADDITION SHALL BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED INTO ANY WATERS OF THE STATE.

5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVISES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION OND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

6. THE CONTRACTOR SHALL TAKE NECESSARY ACTIONS TO PREVENT TRACKING OF SOIL ONTO PAVED AREAS THAT ARE UTILIZED FOR ACCESS TO THE SITE AND TO MINIMIZE THE GENERATION OF DUST. SHOULD TRACKING OCCUR THE CONTRACTOR SHALL IMMEDIATELY CEASE OR MODIFY CAUSAL OPERATIONS. THE CONTRACTOR SHALL DAILY REMOVE SOIL FROM PAVEMENT AS MAY BE REQUIRED.

7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.

8. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE INSTALLED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPLAND RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE (OR PROTECTION AS OTHERWISE REQUIRED BY AUTHORITY HAVING JURISDICTION) SHALL BE INSTALLED IN ALL AREAS WHERE A 50 FT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND THE WOS. IN ADDITION, A ½ FT BUFFER SHALL BE MAINTAINED BETWEEN THE NEAREST ROW OF SILT FENCE AND THE WOS.

10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, CHEMICALS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) SHALL BE PREVENTED FROM ENTERING OR OTHERWISE POLLUTING STORMWATER DISCHARGES.

11. A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES UNTIL THE DATE THAT FINAL STABILIZATION IS ACHIEVED.

12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.

13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.

14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASHING, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.

15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH THE APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC.).

16. THE FOLLOWING DISCHARGES FROM THE SITE ARE PROHIBITED:
   A. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   B. WASTEWATER FROM WASHOUT AND CLEANING OF STUCCO, PAINT, PAINT FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS;
   C. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATIONS AND MAINTENANCE; AND
   D. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTION MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS ACHIEVED ON ALL AREAS OF THE CONSTRUCTION SITE.

18. IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.

19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE AND SHALL INCLUDE REVIEW OF THE APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

20. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PAVED AREAS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO PAVED AREAS OR INTO STORM DRAINAGE SHALL BE REMOVED AS SOON AS REASONABLY POSSIBLE.

21. THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR ENGINEER. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/3 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHALL BE INSPECTED REGULARLY ONCE EVERY WEEK AND WITHIN 24 HOURS OF A RAIN EVENT THAT PRODUCES 1 / 2" OR MORE OF PRECIPITATION.

22. SILT FENCE SHALL BE PLACED AT THE TOE OF OF ALL DIRT STOCK PILE AREAS (ON THE LOW SIDE WHERE SEDIMENT CAN BE WASHED AWAY).

23. THE CONTRACTOR SHALL MAINTAIN ALL PONDS, SEDIMENT BASINS, AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE REMOVED FROM BASINS WHEN IT REACHES THE HALFWAY POINT ON THE RISER.

SEALS

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 20961 — 1/7/25 — JENNIFER R. PAMER

SOUTH CAROLINA — SEAMON, WHITESIDE & ASSOCIATES, INC. — No. C00472 — CERTIFICATE OF AUTHORIZATION

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REVISIONS		
	0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
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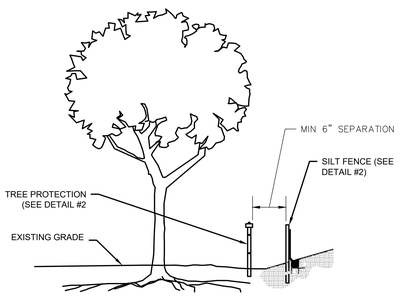
SHEET NAME
FIRE LINE SWPPP NOTES

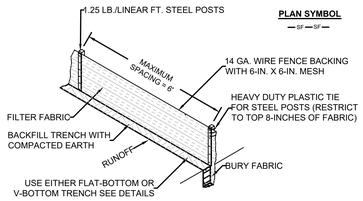
PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C1001

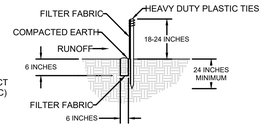
1/7/2025 10:19 AM



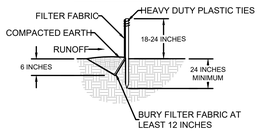
1 COMBINED SILT FENCE/TREE PROTECTION
(NOT TO SCALE)



PLAN SYMBOL



V-SHAPED TRENCH DETAIL



SILT FENCE - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48-INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   -- COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   -- INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND A NOMINAL "T" LENGTH OF 1.48-INCHES.
   -- WEIGH 1.25 POUNDS PER FOOT (± 8%)
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF 17-SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
4. INSTALL POSTS TO A MINIMUM OF 24-INCHES. A MINIMUM HEIGHT OF 1- TO 2- INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6-FEET ON CENTER.

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SILT FENCE - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPS BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPS.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORMWATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKS/TIE-BACKS AND/OR REINSTALL SILT FENCE, AS NECESSARY.
7. CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE SILT FENCE INEFFECTIVE. REMOVED DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.
8. SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.

SILT FENCE - FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   -- COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   -- FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   -- FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   -- HAVE A MINIMUM WIDTH OF 36-INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34, MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12-INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24-INCHES ABOVE THE GROUND.

SILT FENCE - GENERAL NOTES

1. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100-FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. SILT FENCE JOINTS, WHEN NECESSARY, SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
   -- WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1-FOOT MINIMUM OVERLAP;
   -- OVERLAP SILT FENCE BY INSTALLING 3-FEET PASSED THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY-DUTY PLASTIC TIES; OR,
   -- OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8-INCHES OF THE FABRIC.
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORMWATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.
7. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED/INSTALLED SILT FENCE.

South Carolina Department of Health and Environmental Control		
SILT FENCE		
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NOT TO SCALE		FEBRUARY 2014 DATE

2 SILT FENCE
(NOT TO SCALE)

PLAN SYMBOL

NOTES:
1. BARRICADES SHALL BE INSTALLED AROUND ALL TREES INDICATED ON THE PLANS ACCORDING TO THE FOLLOWING STANDARDS:
   1.1. BARRICADES SHALL HAVE EITHER TWO METAL RAILS OR A SINGLE METAL TOP RAIL WITH ORANGE POLY FENCING AS INDICATED.
   1.2. BARRICADES SHALL BE PLACED AT GROUND LEVEL AT THE OUTER PERIMETER/BOUNDARY OF THE TREE OR VEGETATION CANOPY/DRIP LINE. AN ACCEPTABLE ALTERNATIVE TO THIS METHOD IS TO PLACE THE FENCE AT A DISTANCE AWAY FROM THE CENTER OF THE TREE TRUNK THAT EQUALS A MINIMUM, ONE AND ONE-HALF FEET OF DIAMETER FOR EACH INCH OF TREE BREAST HEIGHT (DBH).
   1.3. VARIATIONS FROM THE ABOVE STANDARDS, WHERE NECESSARY DUE TO SITE CONDITIONS, WILL REQUIRE APPROVAL OF THE TOWN OF EDISTO PLANNING DEPARTMENT.

3 TREE PROTECTION
(NOT TO SCALE)

SEALS

NOTES:

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RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

	0	12/16/24
REVISIONS		

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
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843.577.6073

FIRE LINE SWPPP DETAILS

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

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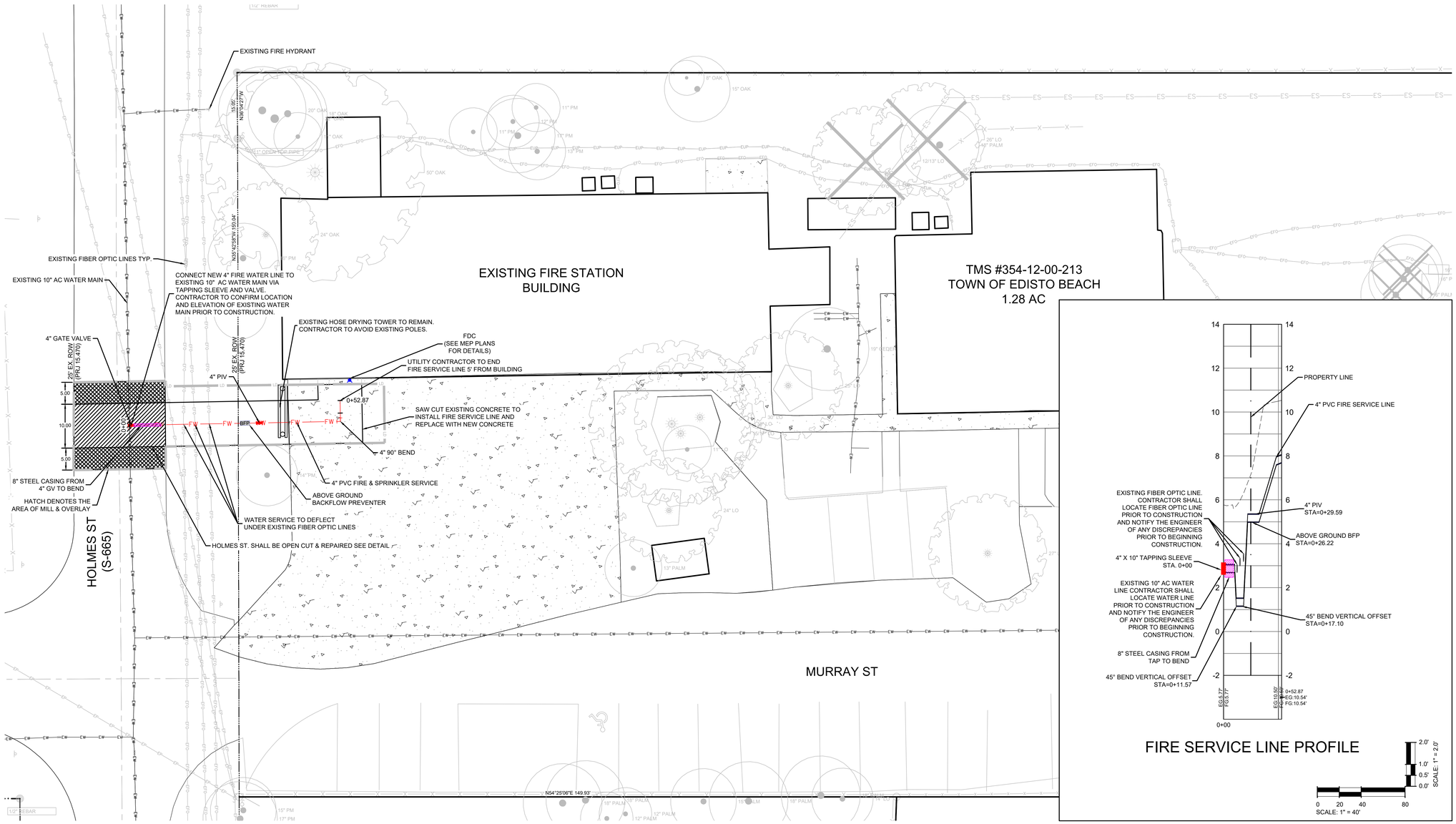
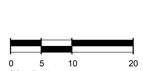
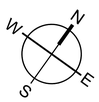
1/7/2025 10:19 AM







STANDARD WATER PLAN NOTES

1. FOR PROJECT SURVEY INFORMATION INCLUDING VERTICAL DATUM AND BENCHMARK LOCATIONS, SEE "PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS" ON SHEET C100.
2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
3. VALVES ARE NOT TO BE LOCATED WITHIN CURB AND GUTTER.
4. FIRE HYDRANTS, VALVES, WATER SERVICES, AND OTHER SYMBOLS MAY NOT BE TO SCALE FOR CLARITY PURPOSES. REFER TO WATER DETAIL SHEETS AND COORDINATE WITH ENGINEER AND/OR WATER PROVIDER FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING FIRE HYDRANT LOCATIONS AND WATER FITTING SEPARATION DISTANCES.
5. REFER TO WATER DETAIL SHEETS FOR SPECIFIC INFORMATION REGARDING EXACT PLACEMENT REQUIRED FOR WATER SERVICES, INCLUDING RELATIONSHIP TO PROPERTY LINES, EASEMENTS, AND SIDEWALKS.
6. REFER TO WATER DETAIL SHEETS AND WATER PROFILE SHEETS (IF APPLICABLE) FOR DETAILS AND ANY ADDITIONAL WATER SYSTEM INFORMATION.
7. REFER TO THE WATER AUTHORITY'S STANDARD NOTES AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND PROCEDURES.

SCDOT NOTE:

1. FINAL MILL AND OVERLAY SHALL BE A MINIMUM OF 5' ON EACH SIDE OF ROAD CUT AND EXTEND THE FULL ROAD WIDTH.

	TYPE OF DEVELOPMENT	WATER SYSTEM
EDISTO BEACH TOWN HALL COMPLEX - EXISTING FIRE STATION FIRE LINE	EXISTING FIRE STATION	60 LF OF 4" PVC FIRE SERVICE LINE

LINETYPE LEGEND

FINISHED GRADE

EXISTING GROUND

EXISTING UTILITY NOTES

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER Jennifer R. Palmer No. 20961 1/7/25 SEAL

SOUTH CAROLINA SEAMON, WHITESIDE & ASSOCIATES, INC. CERTIFICATE OF AUTHORIZATION No. C00472 SEAL

SEALS

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REVISIONS		
	0	12/16/24

Project Status

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FIRE LINE WATER & PROFILE PLAN

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
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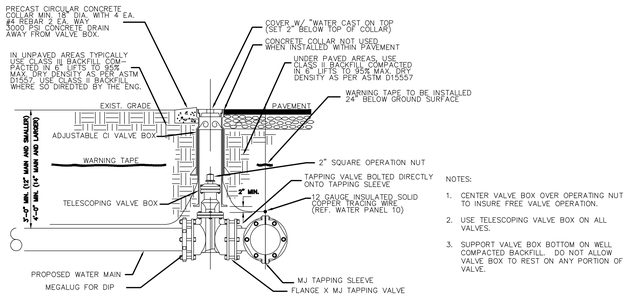
SCALE	

C1100

1/7/2025 10:19 AM



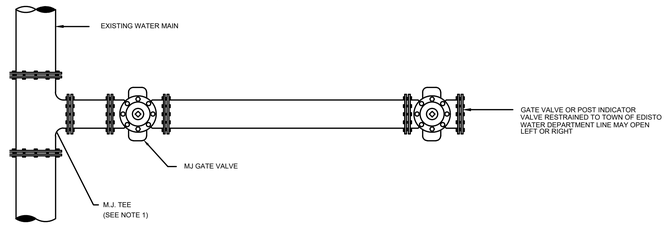
NOTES:

1. CENTER VALVE BOX OVER OPERATING NUT TO INSURE FREE VALVE OPERATION.
2. USE TELESCOPING VALVE BOX ON ALL VALVES.
3. SUPPORT VALVE BOX BOTTOM ON WELL COMPACTED BACKFILL. DO NOT ALLOW VALVE BOX TO REST ON ANY PORTION OF VALVE.

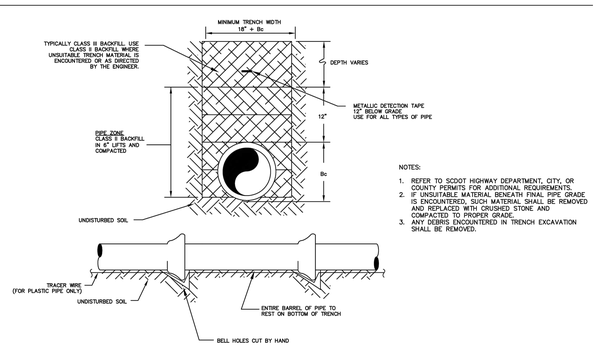
1 TYPICAL TAPPING SLEEVE AND VALVE
(NOT TO SCALE)

NOTES:

1. SEE TAPPING SLEEVE DETAIL FOR CONNECTING TO EXISTING MAINS.
2. OWNER SHALL BE RESPONSIBLE FOR ENCROACHMENT APPLICATIONS, CERTIFICATIONS, PERMITS, OR EASEMENTS WITH REGULATION AUTHORITIES.



2 TYPICAL UNMETERED FIRE SERVICE LINE
(NOT TO SCALE)



NOTES:

1. REFER TO SCDOT HIGHWAY DEPARTMENT, CITY, OR COUNTY PERMITS FOR ADDITIONAL REQUIREMENTS.
2. IF UNSUITABLE MATERIAL BENEATH FINAL PIPE GRADE IS ENCOUNTERED, SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH CRUSHED STONE AND COMPACTED TO PROPER GRADE.
3. ANY DEBRIS ENCOUNTERED IN TRENCH EXCAVATION SHALL BE REMOVED.

3 WATER MAIN BEDDING IN GRASSED AREA
(NOT TO SCALE)

NOTES:

1. THE FOLLOWING CONDITIONS WERE USED TO CALCULATE THE RESTRAINED LENGTHS SHOWN IN THE TABLE:
   - LAYING CONDITION IS TYPE 3
   - SOIL DESIGNATED AS SAND-SILT
   - DEPTH IS 3 FT.
   - DESIGN PRESSURE (TEST) IS 150 P.S.I.
   - SAFETY FACTOR IS 1.5
   - PIPE IS POLYETHYLENE ENCASED

   FOR THE TEE BRANCH AND REDUCER, LENGTHS ARE BASED ON BRANCHING AND REDUCING FROM THE NEXT LARGER SIZE IN THE TABLE. TEE BRANCH LENGTH BASED ON RUN LENGTH TO FIRST JOINT OF 10 FT. DEVIATIONS FROM THESE CONDITIONS MUST BE BASED ON THE ABOVE PARAMETERS.
2. REFER TO TOWN OF EDISTO MINIMUM STANDARDS FOR APPROVED RESTRAINING METHODS.
3. THE FOLLOWING RESTRAINING GLANDS AND GASKETS ARE APPROVED PRODUCTS:

   FOR DUCTILE IRON PIPE
   - AMERICAN CAST IRON PIPE – FAST GRIP, FLEX-RING, FIELD FLEX-RING, OR LOCK-RING
   - US PIPE – TR FLEX OR FIELD LOK 350 GASKETS
   - GRIFFIN PIPE – SNAP-LOK RESTRAINED JOINT, OR TALON RJ GASKET
   - EBAA – MEGALUG RESTRAINT GLAND
   - FORD – SERIES 1400 RESTRAINT GLAND
   - SIGMA – ONE-LOK SERIES SLD RESTRAINT GLAND
   - MCWANE – SURE STOP 350 RESTRAINT GASKET

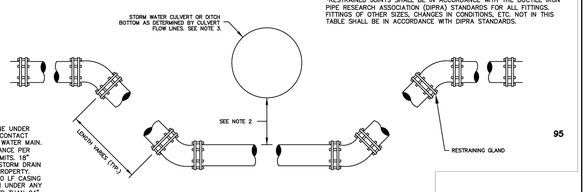
   FOR PVC PIPE
   - EBAA MEGALUG SERIES 2000PV
   - FORD SERIES 1500 WILL BE USED ON EXISTING PVC PIPE

RESTRAINT JOINT TABLE

RESTRAIN ALL JOINTS WITHIN THESE LENGTHS (IN L.F. EACH SIDE OF THE FITTING)

SIZE	11 1/4°	22 1/2°	45°	90°	TEE BRANCH	DEAD END	REDUCER
4"	2	5	10	24	38	61	44
6"	4	7	14	33	64	85	47
8"	5	9	18	44	91	111	45
10"	6	11	22	52	113	132	46
12"	6	12	25	60	133	155	84
16"	8	16	32	76	177	198	84
20"	9	18	38	91	218	238	83
24"	11	21	43	104	255	277	116

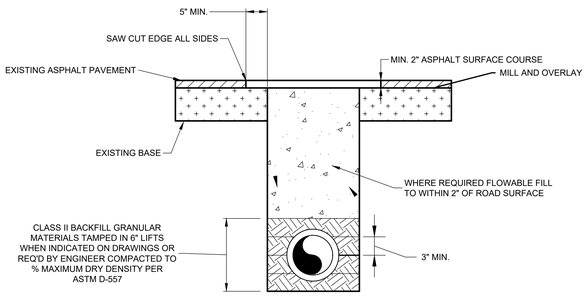
*RESTRAINED JOINTS SHALL BE IN ACCORDANCE WITH THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) STANDARDS FOR ALL FITTINGS. FITTINGS OF OTHER SIZES, CHANGES IN CONDITIONS, ETC. NOT IN THIS TABLE SHALL BE IN ACCORDANCE WITH DIPRA STANDARDS.



NOTES:

1. DO NOT PLACE STONE UNDER CULVERT IN DIRECT CONTACT WITH POLYWRAP ON WATER MAIN.
2. 36" MINIMUM CLEARANCE PER PUBLIC AGENCY PERMITS. 18" CLEARANCE UNDER STORM DRAIN LINES ON PRIVATE PROPERTY.
3. MAIN SHALL BE IN 10 LF CASING WITH SPACERS WHEN UNDER ANY DRAIN LINES GREATER THAN 24" OR A DITCH DRAINING INTO SUCH A STORM DRAIN LINE. NO JOINTS ARE ALLOWED IN CASING.

4 WATER MAIN VERTICAL OFFSET
(NOT TO SCALE)

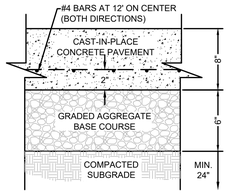


NOTES

1.) REFER TO SCDOT HIGHWAY DEPARTMENT, CITY, OR COUNTY FOR ADDITIONAL REQUIREMENTS.
2.) IF UNSTABLE MATERIAL BENEATH FINAL PIPE GRADE IS ENCOUNTERED, SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH CRUSHED STONE AND COMPACTED TO PROPER GRADE.
3.) ANY DEBRIS ENCOUNTERED IN THE TRENCH EXCAVATION SHALL BE REMOVED.

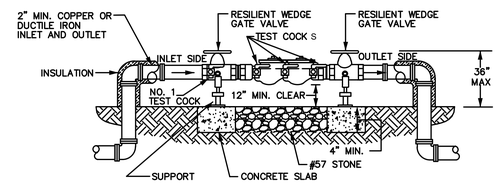
5 TYPICAL ROAD CUT IN SCDOT ROW
(NOT TO SCALE)

ITEM:	MATERIAL:	SWA SPECIFICATION SECTION NAME:
SUBGRADE	PREPARED IN-SITU SUBSOIL OR STRUCTURAL FILL	EARTH MOVING
BASE COURSE	GRADED AGGREGATE BASE COURSE	EARTH MOVING
CONCRETE PAVEMENT	CAST-IN-PLACE CONCRETE	CONCRETE PAVING



NOTES:
1. WHERE SHOWN, SEE PLAN FOR EXPANSION AND CONTROL JOINT LOCATIONS. OTHERWISE, SEE SPECS FOR REQUIRED LOCATION AND SPACING.
2. CONTRACTOR IS ADVISED THAT PAVING DESIGN RECOMMENDED BY GEOTECHNICAL ENGINEER IS BASED ON PREDICTED TRAFFIC LOADING AND ESTABLISHED STRENGTHS FOR PROPERLY INSTALLED PAVEMENTS. CONTRACTOR MUST COORDINATE REQUIRED GEOTECHNICAL TESTING & INSPECTION TO ENSURE THAT SUBGRADE AND PAVEMENT STRENGTH REQUIREMENTS ARE MET.

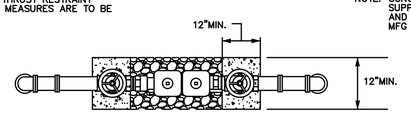
6 HEAVY DUTY CONCRETE PAVEMENT SECTION
(NOT TO SCALE)



FOR DOUBLE CHECK VALVE, USE APOLLO MODEL DCLF4A OR APPROVED EQUAL BY TOWN OF EDISTO BEACH UTILITY AND ON THE SCDHEC APPROVED LIST OF BACKFLOW PREVENTION DEVICES.

NOTE: APPROPRIATE THRUST RESTRAINT AND SUPPORT MEASURES ARE TO BE PROVIDED.

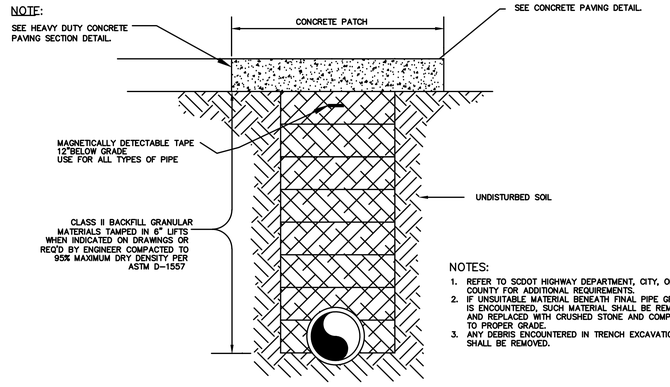
NOTE: CONCRETE SLAB STABILIZES SUPPORT BETWEEN BACKFLOW AND GROUND. SIZE PER MFG RECOMMENDATIONS.



7 DOUBLE CHECK VALVE BACKFLOW PREVENTER ASSEMBLY
(NOT TO SCALE)

NOTE:
SEE HEAVY DUTY CONCRETE PAVING SECTION DETAIL.

NOTE:
SEE CONCRETE PAVING DETAIL.



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3. ANY DEBRIS ENCOUNTERED IN TRENCH EXCAVATION SHALL BE REMOVED.

8 WATER UNDER CONCRETE DRIVEWAY
(NOT TO SCALE)

SOUTH CAROLINA PROFESSIONAL ENGINEER
Jennifer R. Palmer
No. 20961
1/7/25
JENNIFER R. PALMER

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
SEAMON, WHITESIDE & ASSOCIATES, INC.
No. C00472

SEALS

NOTES:

SEAMONWHITESIDE
MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
RALEIGH, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS	
0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

CAPLEA COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

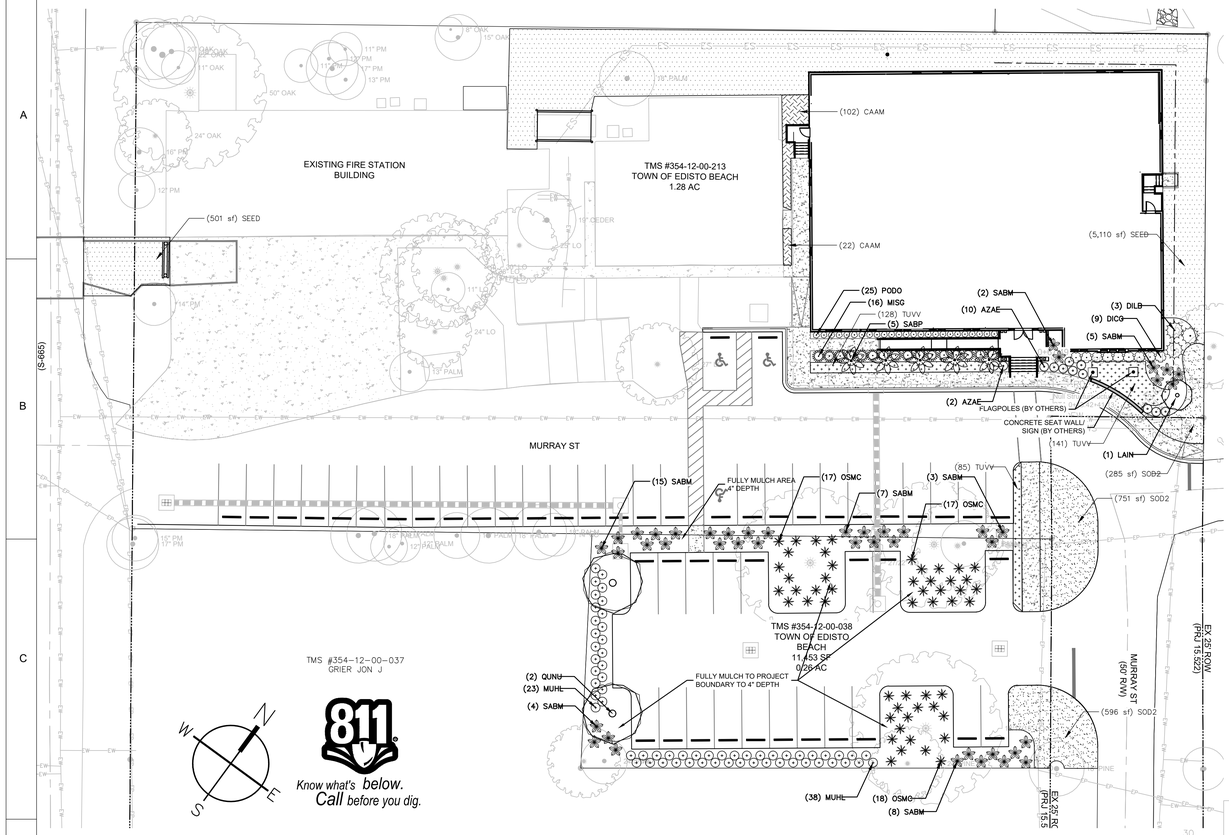
FIRE LINE SITE DETAILS

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	KYC
CHECKED BY	JRP
DATE	12/16/2024
SCALE	

C1101

1/7/2025 10:19 AM



1 PLANTING PLAN

GENERAL NOTES:

1. SEE TREE REMOVAL & DEMOLITION PLAN AND SWPPP PLANS [SHEETS C200 - C300] FOR SILT FENCE LOCATIONS, TREE PROTECTION ZONES AND BARRICADES, AND ADDITIONAL NOTES AND DETAILS.
2. FOR TREE REMOVALS, PLEASE REFER TO SHEETS C200.
3. FOR REQUIRED TREE MITIGATION AND DEVELOPMENT INCHES PER THE TOWN OF EDISTO ZONING ORDINANCE, PLEASE REFER TO SHEET L100 FOR PLANT SCHEDULE QUANTITY AND SIZES.
4. THE OVERALL PLANT QUANTITY FOR THE ENTIRE SITE CAN BE FOUND ON THE MASTER PLAN SCHEDULE, SHEET L100.
5. SEE SITE PLAN [C400] FOR SITE LABELS, INFORMATION AND DETAILS.
6. CONTRACTOR TO CONTACT CIVIL ENGINEER OR LANDSCAPE ARCHITECT REGARDING ANY SITEWORK MODIFICATIONS FROM THESE PLANS PRIOR TO CHANGES IN THE FIELD.
   CONTACT: 843-884-1667

ABBREVIATIONS:
B&B = BALLED & BURLAPPED; BR = BARE ROOT MATERIAL; CAL = TRUNK CALIPER (MIN); CON = CONTAINERIZED MATERIAL; CT = CLEAR TRUNK; ESP = ESPALIER; FTG = FULL TO GROUND; FWF = FULL WELL FORMED; GAL = GALLON CONTAINER; HC = HURRICANE CUT; MS = MULTI-STEMMED TRUNK; OC = ON-CENTER; RF = REFOLIATED; SP = SPECIMEN MATERIAL; TF = TREE FORM HABIT; TYP = TYPICAL

2 Plant Schedule

SYMBOL	CODE	BOTANICAL / COMMON NAME	QTY	SIZE	HEIGHT	SPREAD	SPACING	REMARKS
CANOPY TREES								
	QUNU	QUERCUS NUTTALLII / NUTTALL OAK	2	2.5" CAL	12'-14'		AS SHOWN	FWF, SP
PALM TREES								
	SABP	SABAL PALMETTO / CABBAGE PALMETTO	5	B & B	12'		AS SHOWN	1/4" BOOTED, FWF, M
UNDERSTORY TREES								
	LAIN	LAGERSTROEMIA X 'NATCHEZ' / NATCHEZ CRAPE MYRTLE	1	1.5" CAL	6'-8'		AS SHOWN	MS, FWF, SP
SHRUBS								
	AZAE	AZALEA ENCORE 'AUTUMN SUNSET' TM / ENCORE AZALEA	12	3 GAL	18"-24"		AS SHOWN	FWF, SP
	DICG	DISTYLIUM X 'PIIDIST-V' / FIRST EDITIONS CINNAMON GIRL DISTYLIUM	9	3 GAL	12"-18"		AS SHOWN	FWF, SP
	DILB	DISTYLIUM X 'PIIDIST-IV' / LINEBACKER TM DISTYLIUM	3	3 GAL	24"-36"		AS SHOWN	FWF, SP
	OSMC	OSMUNDA CINNAMOMEA / CINNAMON FERN	52	1 GAL	9"-18"		AS SHOWN	FWF, CON, SP
	PODO	PODOCARPUS MACROPHYLLUS 'DWARF PRINGLES' / DWARF PODOCARPUS	25	3 GAL	9"-18"		24" O.C.	
CYCADS/PALMS								
	SABM	SABAL MINOR / DWARF PALMETTO	44	3 GAL	24"-36"		AS SHOWN	FWF, SP
GRASSES								
	MISG	MISCANTHUS SINENSIS 'GRACILLIMUS' / MAIDEN GRASS	16	1 GAL	9"-18"		AS SHOWN	FWF, SP
	MUHL	MUHLENBERGIA FILIPES / SWEETGRASS	61	1 GAL	9"-18"		AS SHOWN	FWF, SP
GROUND COVERS								
	CAAM	CAREX AMPHIBOLA / CREEK SEDGE	124	4" POT	6"-10"		15" O.C.	FWF
	TUVV	TULBAGHIA VIOLACEA 'VARIEGATA' / STRIPED SOCIETY GARLIC	354	1 GAL	6"-10"		15" O.C.	
SOD/SEED								
	SEED	CYNODON DACTYLON 'TIFTUF' / TIFTUF BERMUDA SEED	5,611 SF	SEED	N/A	N/A	N/A	SP
	SOD2	CYNODON DACTYLON 'TIFTUF' / TIFTUF BERMUDA GRASS	1,632 SF	SOD	N/A	N/A	N/A	SP

GENERAL PLANTING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL MEET WITH LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK SO THAT THERE IS A CLEAR UNDERSTANDING OF PROJECT REQUIREMENTS. FAILURE TO DO SO JEOPARDIZES FINAL ACCEPTANCE OF WORK.
2. THE LANDSCAPE CONTRACTOR IS HEREBY NOTIFIED OF THE EXISTENCE OF UNDERGROUND UTILITIES WITHIN THE LIMITS OF THE PROJECT AREA. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCEMENT OF DIGGING OPERATIONS. THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND REPAIRING ALL DAMAGE TO BUILDINGS, UTILITIES, PAVEMENT, AND CURB & GUTTER. ANY REPAIRS SHALL BE DONE PROMPTLY AT LANDSCAPE CONTRACTOR'S EXPENSE. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY POSSIBLE CONFLICTS BETWEEN PROPOSED IMPROVEMENTS AND UTILITIES, SIGNS, AND/OR OTHER STRUCTURES.
3. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE LANDSCAPE CONTRACTOR SHALL FILL THE BOTTOM OF HOLES WITH SIX (6) INCHES OF WATER. THIS WATER SHOULD PERCOLATE WITHIN A TWENTY-FOUR (24) HOUR PERIOD. IF WATER DOESN'T PERCOLATE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLING PLANTS.
4. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PANS, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, THE LANDSCAPE CONTRACTOR MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS. OTHERWISE, THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE FOR PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
6. THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO OPENING ANY PLANTING PITS.
7. ***PLANT MATERIAL QUANTITIES PROVIDED IN THE PLANT SCHEDULE ARE FOR REFERENCE ONLY AND THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL PLANT MATERIAL COUNTS.*** DISCREPANCIES BETWEEN QUANTITIES SHOWN ON THE PLANTING PLAN AND THOSE IN THE PLANT SCHEDULE SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. IF CLARIFICATION OF DISCREPANCIES FROM THE LANDSCAPE ARCHITECT IS NOT POSSIBLE, THEN QUANTITIES SHOWN ON THE PLANTING PLAN SHALL TAKE PRECEDENCE.
8. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST SHOULD FOLLOW OR EXCEED THE STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARD FOR NURSERY STOCKS (ANSI Z-60.1). UNLESS OTHERWISE SPECIFIED, ANY SIZE SPECIFIED SHALL BE CONSIDERED MINIMUM. ***MINIMUMS FOR HEIGHT, SPREAD, OR CALIPER SHALL TAKE PRECEDENT OVER A SPECIFIED CONTAINER SIZE.***
9. ALL PLANTS SHALL HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
10. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PER CENT OF THIS YEARS' VERTICAL GROWTH (TOP CANDLE).
11. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT UNATTENDED OVERNIGHT.
12. REMOVE BURLAP/STRAPPING AND WIRE BASKET FROM TOP 1/3 OF ROOT BALL ON TREES.
13. REMOVE PAPER, PLASTIC OR METAL AROUND ROOT BALLS OF SHRUBS.
14. DO NOT WRAP TREES.
15. WATER ALL PLANT MATERIAL IMMEDIATELY AFTER PLANTING.
16. TREE GUYING MATERIAL SHALL BE 'ARBOR-TIE' OR EQUIVALENT.
17. ALL PLANT BEDS TO BE MULCHED WITH 4" OF DOUBLE SHREDDED HARDWOOD MULCH UNLESS OTHERWISE SPECIFIED.
18. ALL AREAS OF PLANTING, INCLUDING AREAS OF GRASS SEEDING AND SOD, SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AND SHALL BE PROVIDED APPROPRIATE SOIL FOR THE PROPOSED PLANTINGS, SEE SOIL NOTES.
19. ALL EXISTING VEGETATION WITHIN AREAS TO BE PLANTED, SODDED AND/OR SEEDED SHALL BE REMOVED PRIOR TO PLANTING, SODDING, AND SEEDING. ALL AREAS INDICATED TO BE GRASS SEED SHALL BE SEEDED PER GRASSING SPECIFICATIONS FOR PERMANENT STABILIZATION.
20. ALL DISTURBED AREAS NOT SPECIFICALLY CALLED OUT ON THIS PLAN SHALL BE SEEDED PER THE PROVIDED SEEDING SCHEDULE. ALL DISTURBED NATURAL AREAS SHALL BE MULCHED (SEE MULCH SPECIFICATIONS).
21. DRAINAGE TO BE PROVIDED FOR ALL ABOVE GROUND PLANTERS.
22. PLANTINGS SHALL BE PRUNED TO CONFORM WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE CITY, COUNTY, STATE AND FEDERAL REQUIREMENTS.
23. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE SITE AT THE COMPLETION OF THE PROJECT AND SHALL MAINTAIN THE SITE IN A REASONABLY NEAT AND CLEAN STATE THROUGHOUT THE INSTALLATION PROCESS. STREETS AND PAVED AREAS SHALL BE CLEANED REGULARLY TO REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS RESULTING FROM WORK OF THE PROJECT.
24. REPLACEMENTS OF DEAD OR UNSATISFACTORY MATERIAL SHALL BE MADE AS SPECIFIED IN THE PLANT LIST. THE OWNER OR LANDSCAPE ARCHITECT SHALL INSPECT REPLACED PLANTS WHEN ALL REPLACEMENTS HAVE BEEN MADE. REPLACEMENTS ARE TO BE ALIVE AND IN A HEALTHY CONDITION WHEN THE REPLACEMENTS ARE COMPLETE. REPLACEMENTS ARE NOT SUBJECT TO AN ADDITIONAL GUARANTEE, BUT THE LANDSCAPE CONTRACTOR SHALL CONSULT WITH THE LANDSCAPE ARCHITECT ON REASON FOR PLANT DECLINE/DEATH AND HOW TO AVOID FUTURE INSTANCES.
25. SHOULD THE LANDSCAPE CONTRACTOR NOT MAKE REPLACEMENTS IN A SATISFACTORY AND TIMELY FASHION IN ACCORD WITH THE PLANTING NOTES, THE OWNER, AFTER PROPER NOTIFICATION TO THE LANDSCAPE CONTRACTOR MAY UTILIZE THE FUNDS OF THE RETAINAGE TO HAVE THE REPLACEMENTS MADE IN ACCORDANCE WITH THE SPECIFICATIONS BY ANOTHER CONTRACTOR.

SOIL NOTES:

1. FOR EACH UNAMENDED SOIL TYPE, FURNISH SOIL ANALYSIS AND A WRITTEN REPORT BY A QUALIFIED SOIL-TESTING LABORATORY STATING PERCENTAGES OF ORGANIC MATTER; GRADATION OF SAND, SILT, AND CLAY CONTENT; CATION EXCHANGE CAPACITY; SODIUM ABSORPTION RATIO; DELETERIOUS MATERIAL; BUFFER PH LEVELS; AND MINERAL AND PLANT-NUTRIENT CONTENT OF THE SOIL.
2. A MINIMUM OF THREE REPRESENTATIVE SAMPLES SHALL BE TAKEN FROM VARIED LOCATIONS FOR EACH SOIL TO BE USED OR AMENDED FOR PLANTING PURPOSES.
3. LANDSCAPE CONTRACTOR SHALL SUBMIT TO LANDSCAPE ARCHITECT THE LAB RECOMMENDATIONS FOR SOIL TREATMENTS AND SOIL AMENDMENTS TO BE INCORPORATED. INDICATE LAB RECOMMENDATIONS IN WEIGHT PER 1000 SQ. FT. OR VOLUME PER CU. YD. FOR NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND ORGANIC AND INORGANIC SOIL AMENDMENTS TO BE ADDED TO PRODUCE PLANTING SOIL SUITABLE FOR HEALTHY, VIABLE PLANTS.
4. ALL SOILS USED FOR PLANTING SHALL BE PREPARED AS NECESSARY USING ORGANIC AND INORGANIC SOIL AMENDMENTS AND FERTILIZERS IN THE QUANTITIES RECOMMENDED IN THE SOIL ANALYSIS REPORT TO PRODUCE SATISFACTORY PLANTING SOIL FOR HEALTHY, VIABLE PLANTS. PLANTING SOILS SHALL HAVE A PH LEVEL BETWEEN 6.0 AND 7.0.
5. IN ALL PLANTING AREAS, SPREAD PLANTING SOIL TO A DEPTH OF 8 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT.

IRRIGATION NOTES:

1. LANDSCAPE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF PROPOSED IRRIGATION SYSTEM TO LANDSCAPE ARCHITECT AND OWNER FOR ACCEPTANCE. LANDSCAPE CONTRACTOR TO SUPPLY AUTOMATIC IRRIGATION SYSTEMS, COMPLETE AND INSTALLED. SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS, RAIN SENSOR, AND CLOCK AND TO PROVIDE 100% HEAD TO HEAD COVERAGE OF ALL NEW SODDED AND IMPROVED EXISTING GRASS AREAS, TREES, SHRUBS AND PLANTING BEDS. COORDINATE IRRIGATION WITH OWNER'S REPRESENTATIVE.
2. LANDSCAPE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR AUTOMATIC IRRIGATION SYSTEMS. LANDSCAPE CONTRACTOR SHALL PROVIDE ELECTRIC METER, BACKFLOW PREVENTER AND SERVICE IN ACCORDANCE WITH STATE AND LOCAL CODES FOR IRRIGATION SYSTEM. LOCATION OF METERS AND CONTROL PANELS FOR IRRIGATION SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. COORDINATE WATER METER REQUIREMENTS WITH CIVIL ENGINEER.
3. LANDSCAPE CONTRACTOR TO PROVIDE DRIP IRRIGATION TO ALL ABOVE GROUND PLANTERS. IRRIGATION LINE TO BE INSTALLED BENEATH ADJACENT HARDSCAPE AS NECESSARY.
4. IRRIGATION PIPING, SPRINKLERS, AND OTHER EQUIPMENT MAY BE SHOWN OUTSIDE OF LANDSCAPE AREAS ON DRAWING FOR GRAPHIC CLARITY. ALL VALVE BOXES AND EQUIPMENT VAULTS SHALL BE LOCATED IN MULCH BEDS.
5. NO IRRIGATION COMPONENTS, INCLUDING BUT NOT LIMITED TO, VALVE BOXES, CONTROL BOXES, BACKFLOW PREVENTERS, AND/OR RAIN SENSORS ARE ALLOWED TO BE INSTALLED WITHIN DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY.

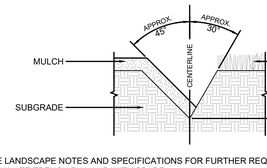
PLANT SCHEDULE NOTES:

1. THE TECHNICAL SPECIFICATIONS ARE MADE A PART OF THESE PLANS AND SHALL BE CONSULTED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING WORK AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND ON THESE PLANS.
2. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THIS OFFICE OF ANY DISCREPANCIES PRIOR TO BEGINNING OR CONTINUING WORK.
3. THERE WILL BE NO SUBSTITUTIONS, DELETIONS OR ADDITIONS WITHOUT APPROVAL OF THIS OFFICE.
4. SIZE OF PLANT MATERIALS SHALL CONFORM WITH THE CURRENT EDITION OF 'AMERICAN STANDARD FOR NURSERY STOCK' FOR NUMBER ONE GRADE NURSERY STOCK AS ADOPTED BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND AMERICAN NATIONAL STANDARDS INSTITUTE.
5. THE QUANTITIES ON THE SCHEDULE ARE ONLY A GUIDE. ALL QUANTITIES SHALL BE VERIFIED BY THE LANDSCAPE CONTRACTOR ON THE PLANTING PLAN.

TREE MITIGATION

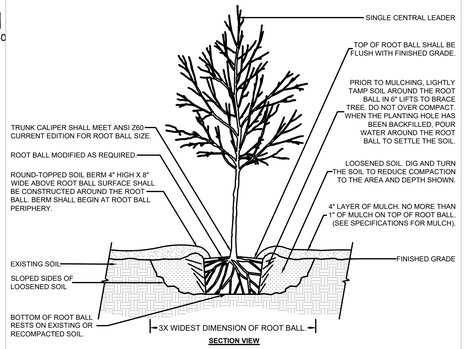
HISTORIC TREE REMOVAL:
12/13 LIVE OAK
26 LIVE OAK
MITIGATION REQUIRED/PROVIDED: 2 TREES X 3" DBH

3 Landscape Notes



NOTES:
1. SEE LANDSCAPE NOTES AND SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.
2. EXCAVATE TRENCH BY HAND WITH SPADE.
3. ADD EXCESS SOIL TO ADJACENT PLANT BED AFTER PULLING BACK EXISTING MULCH. RAKE SOIL AND SMOOTH BEFORE MULCHING.

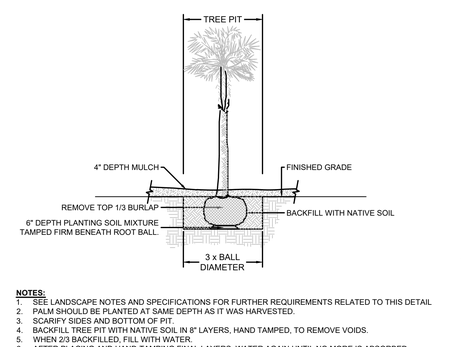
6 Lawn Edge Detail
SCALE:



SECTION VIEW

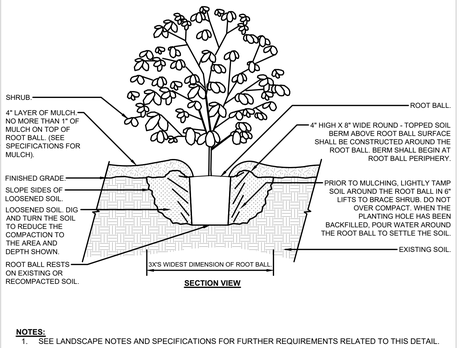
NOTES:
1. SEE LANDSCAPE NOTES AND SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

4 Tree with Berm - Existing Soil Unmodified
SCALE:



NOTES:
1. SEE LANDSCAPE NOTES AND SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL
2. PALM SHOULD BE PLANTED AT SAME DEPTH AS IT WAS HARVESTED.
3. SCARIFY SIDES AND BOTTOM OF PIT.
4. BACKFILL TREE PIT WITH NATIVE SOIL IN 8" LAYERS, HAND TAMPED, TO REMOVE VOIDS.
5. WHEN 2/3 BACKFILLED, FILL WITH WATER.
6. AFTER PLACING AND HAND-TAMPING FINAL LAYERS, WATER AGAIN UNTIL NO MORE IS ABSORBED.
7. MAKE SURE THERE IS NO STANDING WATER IN BOTTOM OF HOLE.
8. MULCH RING FOR PALMS IN LAWN MINIMUM 4' DIAMETER.

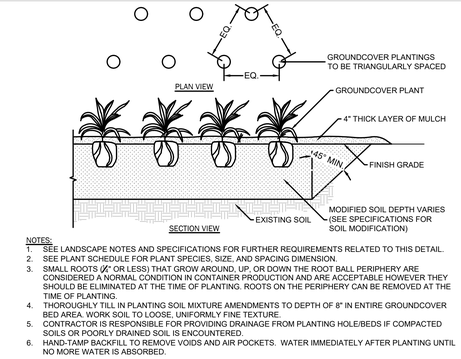
5 Palm Tree Planting Detail
SCALE:



SECTION VIEW

NOTES:
1. SEE LANDSCAPE NOTES AND SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

7 Shrub Planting - Unmodified Soil
SCALE:



SECTION VIEW

NOTES:
1. SEE LANDSCAPE NOTES AND SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.
2. SEE PLANT SCHEDULE FOR PLANT SPECIES, SIZE, AND SPACING DIMENSION.
3. SMALL ROOTS (¼" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING.
4. THOROUGHLY TILL IN PLANTING SOIL MIXTURE AMENDMENTS TO DEPTH OF 8" IN ENTIRE GROUNDCOVER BED AREA. WORK SOIL TO LOOSE, UNIFORMLY FINE TEXTURE.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DRAINAGE FROM PLANTING HOLE/BEDS IF COMPACTED SOILS OR POORLY DRAINED SOIL IS ENCOUNTERED.
6. HAND-TAMP BACKFILL TO REMOVE VOIDS AND AIR POCKETS. WATER IMMEDIATELY AFTER PLANTING UNTIL NO MORE WATER IS ABSORBED.

8 Groundcover / Ornamental Grass Planting Detail
SCALE:

SEALS

NOTES:

SEAMONWHITESIDE
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843.884.1667
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843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

REVISIONS	
0	12/16/24

Project Status

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

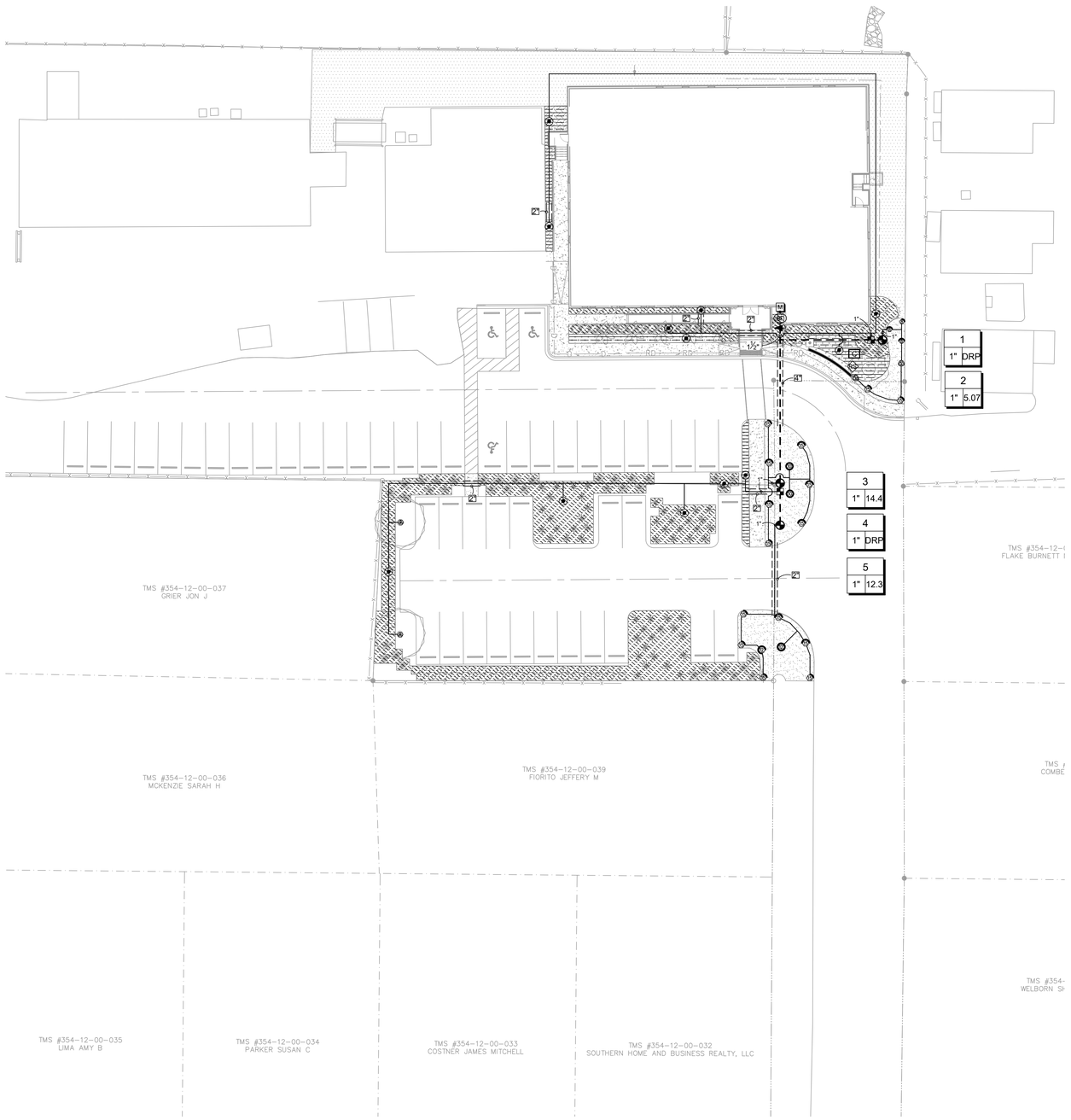
CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

LANDSCAPE PLAN, SCHEDULE AND DETAILS

SHEET NAME	
PROJECT NUMBER	10211
DRAWN BY	
CHECKED BY	JRP
DATE	06/05/2024
SCALE	

L100

1/7/2025 10:20 AM



ONLY SOD AND PLANT MATERIAL HAVE BEEN COVERED.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
ES LCS RCS CS SS	HUNTER PROS-04 SPRAY HEAD 5` STRIP
Q T H F	HUNTER PROS-04 SPRAY HEAD 8` RADIUS
Q T H F	HUNTER PROS-04 SPRAY HEAD 10` RADIUS
Q T H TT TQ F	HUNTER PROS-04 SPRAY HEAD 12` RADIUS
Q T H TT TQ F	HUNTER PROS-04 SPRAY HEAD 15` RADIUS
SYMBOL	MANUFACTURER/MODEL
	HUNTER PCZ-101-40 DRIP VALVE
	PIPE TRANSITION POINT
	RAIN BIRD XFDE-09-18 (DRIP RING)
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFDE-09-18 (30) (GRID PATTERN)
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFDE-09-18 (SERPENTINE PATTERN)
SYMBOL	MANUFACTURER/MODEL
	HUNTER PGV-101 ELECTRIC VALVE
	GATE VALVE (MAINLINE SIZE)
BF	ZURN 975XL RPZ 3/4"
C	HUNTER PRO-C CONTROLLER
RS	HUNTER WR-CLIK RAIN SENSOR
M	WATER METER 3/4"
	IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26
	IRRIGATION MAINLINE: PVC CLASS 160 SDR 26
	PIPE SLEEVE: PVC SCHEDULE 40

Valve Callout

IRRIGATION NOTES

1. IRRIGATION SYSTEM DESIGNED BASED ON 15 GPM AT 65 PSI.
2. IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION(POC) ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE(GPM) AND POUNDS PER SQUARE INCH(PSI).
3. IRRIGATION CONTRACTOR IS TO VERIFY POINT OF CONNECTION IN THE FIELD. INSTALLER IS TO CONFIRM THE MINIMUM DISCHARGE REQUIREMENTS OF THE POINT OF CONNECTION AS INDICATED IN THE NOTES PRIOR TO INSTALLATION.
4. THE PRESSURE REQUIREMENT FROM THE POINT OF CONNECTION TO THE HIGHEST POINT OF IRRIGATION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE. IF THE ELEVATION IS GREATER THAN 5 FEET CONSULT WITH THE IRRIGATION DESIGNER FOR POSSIBLE ADJUSTSMENTS.
5. FINAL CONTROLLER LOCATION TO BE DETERMINED BY OWNER REPRESENTATIVE.
6. THE IRRIGATION DESIGN IS GRAPHICAL IN NATURE AND MAY NOT REPRESENT ACTUAL CIRCUMSTANCES IN THE FIELD. IT IS THE RESPONSIBILTY OF THE INSTALLING CONTRACTOR TO USE INSTALLATION TECHNIQUES PER MANUFACTURER`S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
7. IT IS THE RESPONSIBILTY OF THE INSTALLING CONTRACTOR TO DETERMINE IF IRRIGATION EQUIPMENT CAN BE PLACED IN RIGHT OF WAYS, EASEMENTS, AND ACROSS PROPERTY LINES.
8. IF LATERAL PIPING IS ADJUSTED IN THE FIELD THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PROPER SIZING TECHNIQUES. THE FLOW RATES SHALL NOT EXCEED 5FT/SEC. THE LOCATION OF IRRIGATION EQUIPMENT SHOWN ON THE DRAWING IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY AS REQUIRED TO ACHIEVE FULL AND EVEN COVERAGE.
9. ALL IRRIGATION HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISHED GRADES EXCEPT AS OTHERWISE INDICATED.
10. INSTALL IRRIGATION MAINLINES WITH A MINIMUM OF 18" OF COVER AND IRRIGATION LATERALS WITH A MINIMUM OF 12" OF COVER BASED ON FINISHED GRADES.
11. THE IRRIGATION CONTRACTOR SHALL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED.
12. ALL MAINLINE PIPE 3" AND LARGER TO BE SDR21 GASKETED PVC. SERVICE TEES/FITTINGS AND/OR DUCTILE IRON SERVICE TEES/FITTINGS TO BE USED UNLESS NOTED DIFFERENTLY IN THE IRRIGATION LEGEND. ALL MAINLINE 2-1/2" AND SMALLER TO BE SDR21 SOLVENT WELD PVC PIPE. ALL PVC PIPE FITTINGS TO BE SCH40 SOLVENT WELD.
13. ALL WIRE SPLICES SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
14. ALL CONTROL WIRING DOWNSTREAM OF THE IRRIGATION CONTROLLER TO BE UL APPROVED DIRECT BURY 14AWG.
15. ALL IRRIGATION GROUNDING TO BE INSTALLED PER MANUFACTURER`S SPECIFICATIONS.
16. THE DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET (AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER AND MODEL TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC.)

SiteOne™ Project Services

PROJECT NUMBER: 363887

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811 Know what's below. Call before you dig.

SCALE 1" = 20'

0' 10' 20' 40'

SEALS

NOTES:

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980.312.5450
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REVISIONS	

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH FIRE SPRINKLER EXISTING FIRE/POLICE BUILDING

2413 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

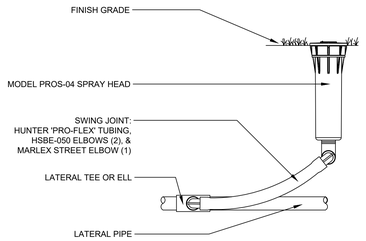
ROSENBLUM COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

IRRIGATION PLAN

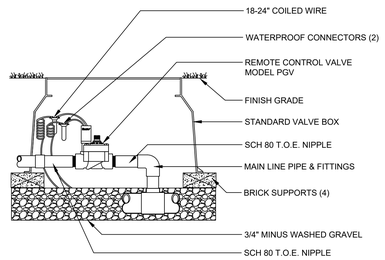
SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	CLC
CHECKED BY	JRP
DATE	06/17/2024
SCALE	

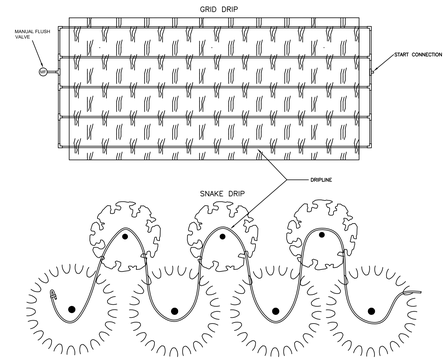
IR100



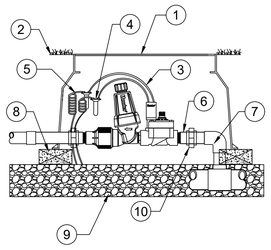
1 PROS-04 SPRAY HEAD WITH PRO-FLEX TUBING



2 PGV GLOBE VALVE 1"

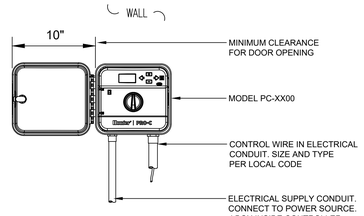


3 TYPICAL DRIP TUBING LAYOUT



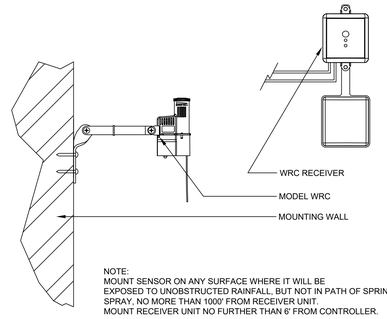
1. STANDARD VALVE BOX
2. FINISH GRADE
3. DRIP ZONE KIT: MODEL PCZ-101-1 FILTER, REGULATOR 25 OR 40 PSI
4. WATERPROOF CONNECTORS (2)
5. 18-24" COILED WIRE
6. SCH 80 T.O.E. NIPPLE
7. MAIN LINE PIPE & FITTINGS
8. BRICK SUPPORTS (4)
9. 3/4" MINUS WASHED GRAVEL
10. PVC SLIP UNIONS

4 PCZ-101-40 DRIP ZONE KIT



NOTE
MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 VAC SOURCE.

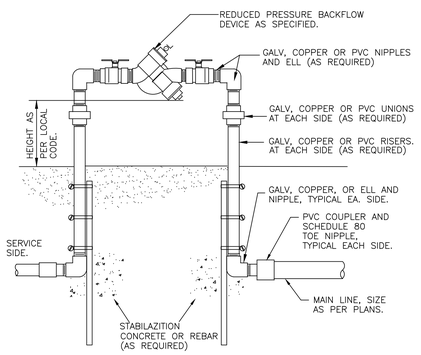
5 PRO-C CONTROLLER



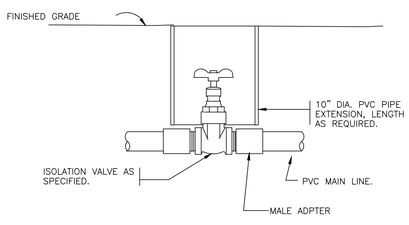
NOTE:
MOUNT SENSOR ON ANY SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY, NO MORE THAN 1000' FROM RECEIVER UNIT.
MOUNT RECEIVER UNIT NO FURTHER THAN 6' FROM CONTROLLER.

6 WIRELESS RAIN-CLIK

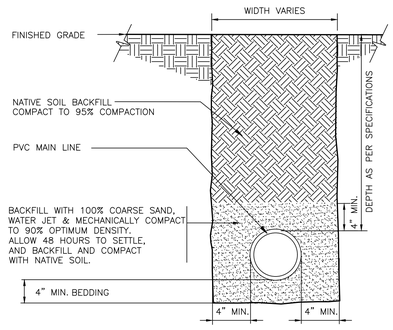
INSTALLATION MAY DIFFER PER LOCAL CODE



7 REDUCED PRESSURE BACKFLOW DEVICE STANDARD



8 ISOLATION GATE VALVE



9 SLEEVE AT ROAD

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REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH FIRE SPRINKLER EXISTING FIRE/POLICE BUILDING

2413 MURRAY STREET, EDISTO BEACH, SOUTH CAROLINA 29438

ROSENBLUM COE ARCHITECTS, INC.
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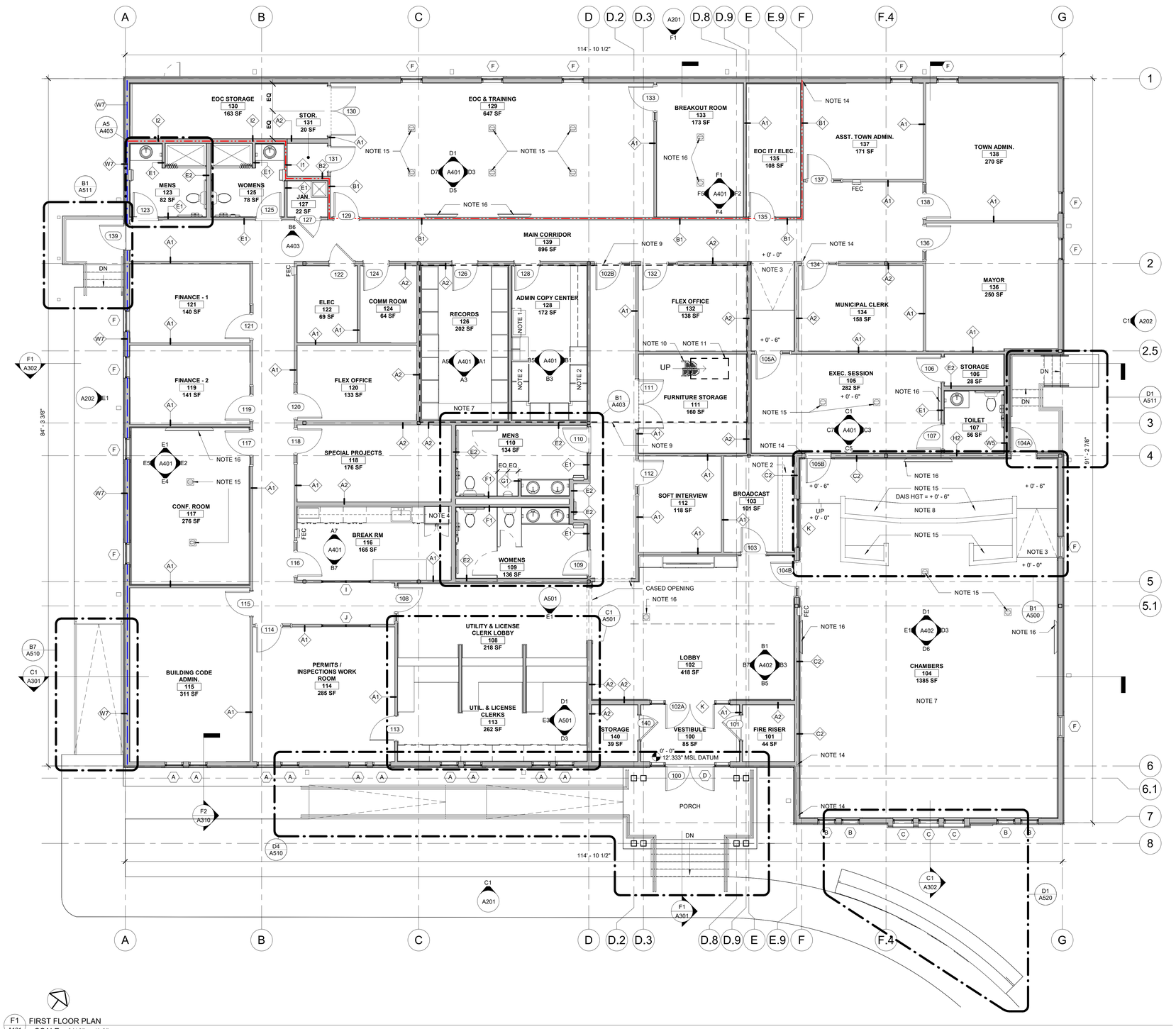
CHARLESTON, SC 29412
843.577.6073

DETAILS SHEET

SHEET NAME

PROJECT NUMBER	10211
DRAWN BY	CLC
CHECKED BY	JRP
DATE	06/17/2024
SCALE	

IR200



F1 A101 FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. COPY / FAX MACHINE
2. CABINETRY - PLASTIC LAMINATE BASE & WALL CABINETS, SOLID SURFACE COUNTERTOPS
3. ADA RAMP TO DAIS (+0' - 6")
4. REFRIGERATOR WITH ICE MAKER
5. STOREFRONT BORROWED LIGHT
6. FILE STORAGE CABINETS
7. FLOOR OUTLETS THROUGHOUT ROOM
8. CUSTOM DAIS BENCH
9. LINE OF MECHANICAL AREA ON ROOF.
10. LAPEYRE STAIR (SHIP'S LADDER) TO ROOF ACCESS
11. ROOF ACCESS HATCH ABOVE
12. ALUM. FLAGPOLES
13. CONCRETE PLANTER/SIGN WALL WITH WOOD SEATING CAP
14. STRUCTURAL COLUMN. SEE "S" SHEETS
15. FLOOR OUTLETS. SEE ELECTRICAL SHEETS & TECHNOLOGY SHEETS.
16. WALL MOUNTED LCD TV, SEE INTERIOR ELEVATION FOR MOUNTING HEIGHT (SEE ELEC & TECH. SHEETS)

GENERAL NOTES:

1. ALL EXTERIOR STOREFRONT/WINDOWS TO BE HURRICANE/IMPACT RESISTANT

LEGEND:

FLOOR MOUNTED OUTLET

TOTAL SQ. FT. = 9,403

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

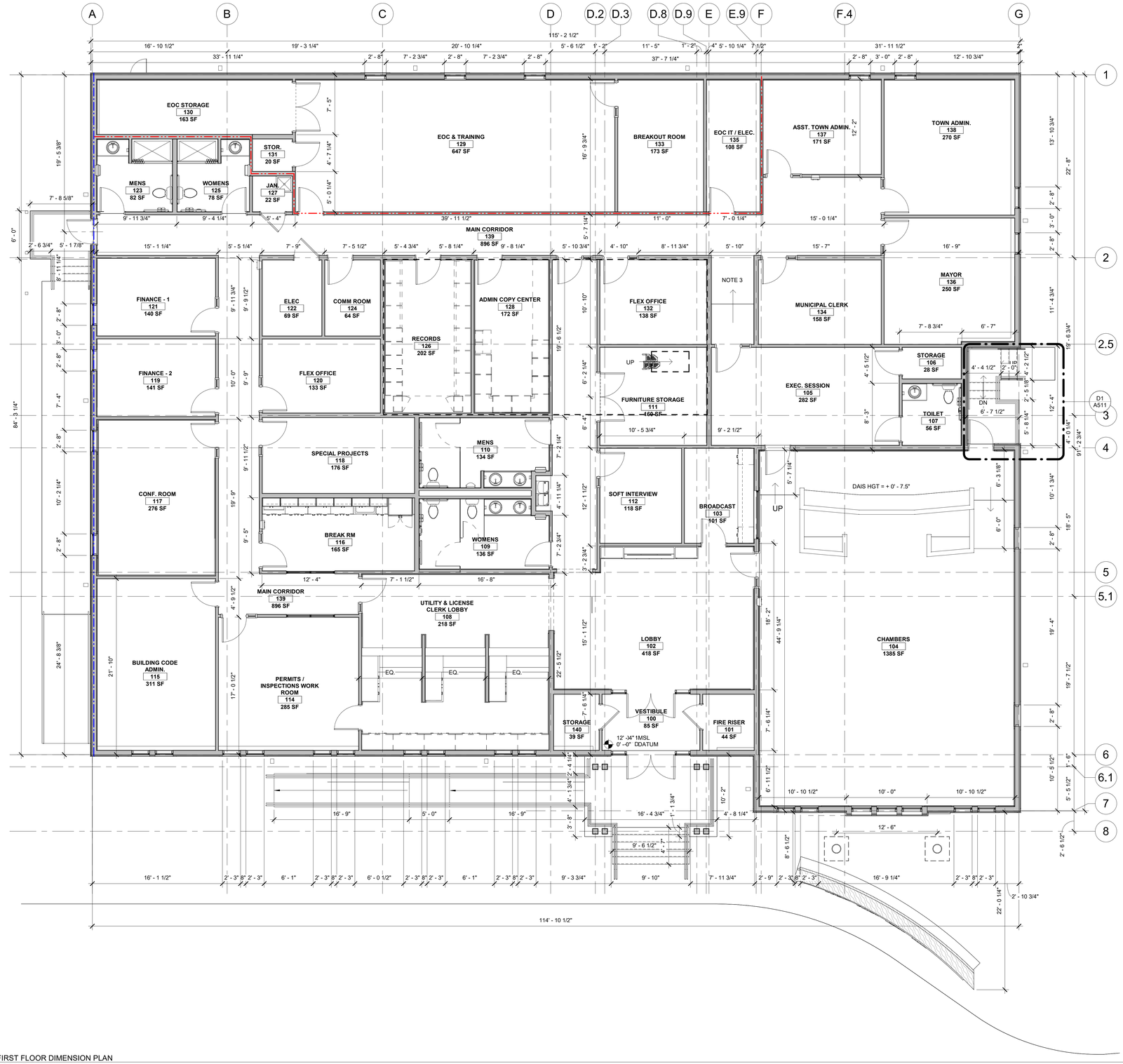
FIRST FLOOR PLAN

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	GLP
CHECKED BY	Approver
DATE	01/10/2025
SCALE	As indicated

A101

1/13/2025 8:15:44 AM



F1 / A102 FIRST FLOOR DIMENSION PLAN
SCALE: 3/16" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

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CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

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EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

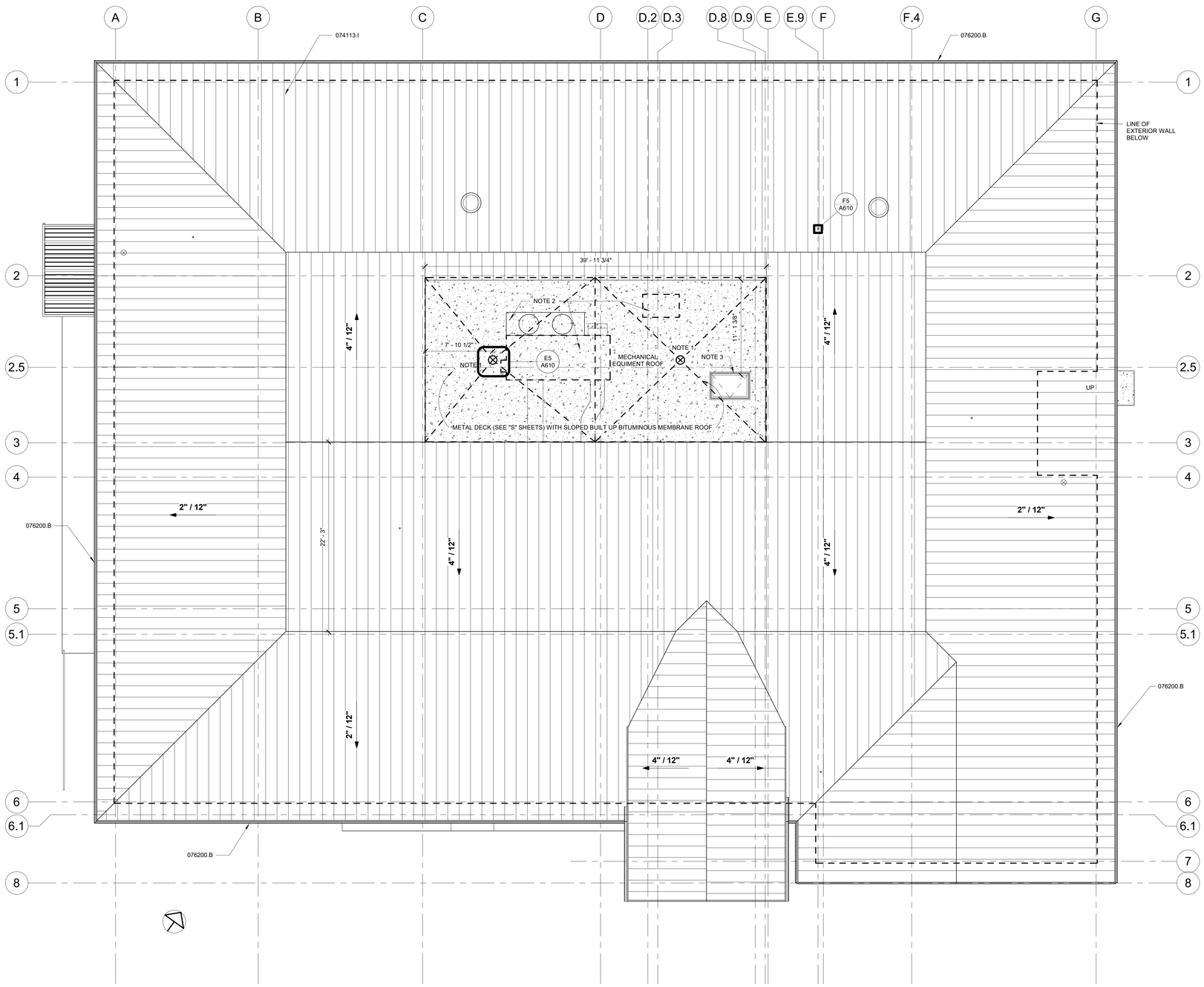
DIMENSION PLAN

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	3/16" = 1'-0"

A102

1/13/2025 8:15:46 AM



F1 / A111 ROOF PLAN
SCALE: 3/16" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. MECHANICAL ROOF - SLOPE TO DRAIN. PROVIDE OVERFLOW DRAIN
2. MECHANICAL EQUIMENT - SEE "M" SHEETS FOR DETAILS
3. ROOF ACCESS HATCH

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
074113.I	STANDING SEAM METAL ROOF
076200.B	PREFINISHED GUTTER

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

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843.577.6073

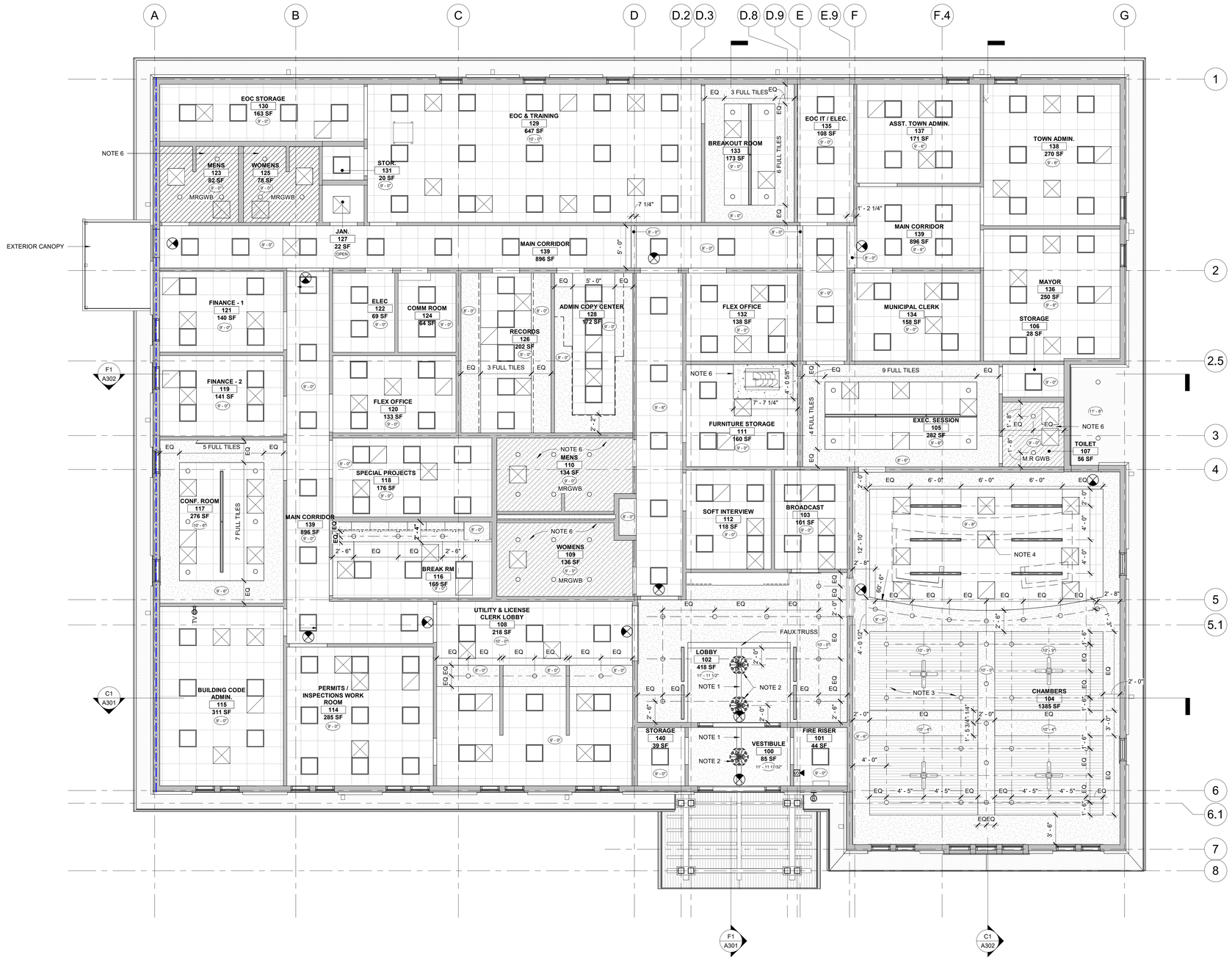
ROOF PLAN

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	GLP
CHECKED BY	Approver
DATE	01/10/2025
SCALE	3/16" = 1'-0"

A111

1/13/2025 8:15:47 AM



F1 A120 FIRST FLOOR REFLECTIVE CEILING PLAN
SCALE: 3/16" = 1'-0"

REFLECTIVE CEILING PLAN LEGEND

- CEILING FAN
- 2x2 LIGHT FIXTURE
- LINEAR LIGHT FIXTURE *(SIZE MAY VARY)*
- CAN LIGHT FIXTURE
- UNDER CABINET FIXTURE
- WALL MOUNTED LINEAR FIXTURE
- EMERGENCY EXIT LIGHT
- RETURN FIXTURE
- EXHAUST FIXTURE
- SUPPLY FIXTURE
- GYPSUM BOARD WALL SOFFIT
- ACOUSTICAL CEILING GRID & PANELS
- GYPSUM BOARD CEILING OR SOFFIT
- METAL SOFFIT PANELS
- EXPOSED TO STRUCTURE
- GYPSUM BOARD CEILING - MOISTURE RESISTANT

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. FAUX WOOD BEAM TO MATCH EXTERIOR HEAVY TIMBER FRAMING
2. DECORATIVE CHANDELIER
3. SHIPLAP CEILING
4. DAIS DESK BELOW
5. FAUX TRUSS ABOVE
6. ACOUSTIC BATT INSULATION ABOVE CEILING
7. OPENING IN CEILING FOR LAPEYRE STAIR ROOF ACCESS

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

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EDISTO BEACH, SC 29438

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CHARLESTON, SC 29412
843.577.6073

FIRST FLOOR REFLECTED CEILING PLAN

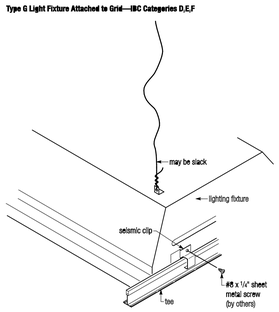
SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	As indicated

A120

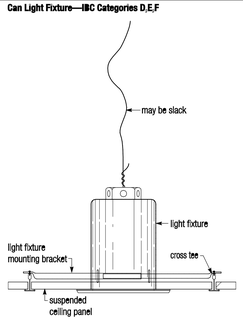
1/13/2025 8:15:49 AM

CATEGORY D-F LAY-IN GRID LIGHT FIXTURE



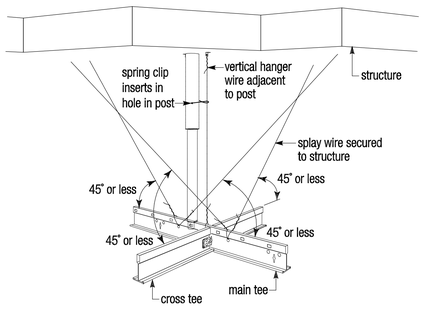
FOR FIXTURES WEIGHING 56 LBS. OR MORE, INSTALL #12 GAUGE HANGER WIRE ATTACHED TO STRUCTURE ABOVE - ONE AT EACH CORNER OF FIXTURE FOR A TOTAL OF FOUR. HANGER WIRES MUST BE INSTALLED VERTICAL, BUT NOT MORE THAN 1 IN 6 OUT OF PLUMB. FOR FIXTURES WEIGHING LESS THAN 56 LBS., WIRES MAY BE INSTALLED SLACK AT TWO CORNERS, ONLY.

CATEGORY D-F CAN LIGHT FIXTURE

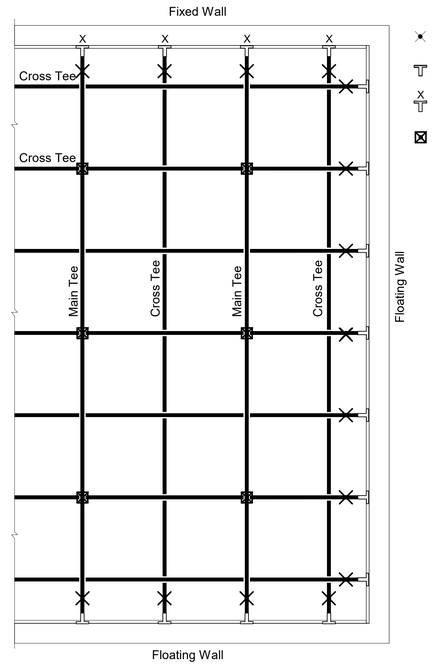


FOR FIXTURES WEIGHING 56 LBS. OR MORE, INSTALL #12 GAUGE HANGER WIRE ATTACHED TO STRUCTURE ABOVE - ONE AT EACH CORNER OF FIXTURE FOR A TOTAL OF FOUR. HANGER WIRES MUST BE INSTALLED VERTICAL, BUT NOT MORE THAN 1 IN 6 OUT OF PLUMB. FOR FIXTURES WEIGHING LESS THAN 56 LBS., WIRES MAY BE INSTALLED SLACK AT TWO CORNERS.

CATEGORY D-F LATERAL BRACING - REQUIRED AT ROOMS OVER 1000SF

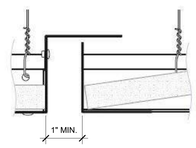


CATEGORY D-F SEISMIC CLIP CEILING LAYOUT

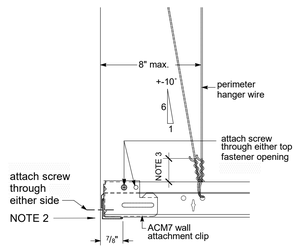


- 12-gauge hanger wire
- Seismic clip - no attachment
- Seismic clip - Attached with screw
- Compression Post / Hanger Wire - Note 4/5

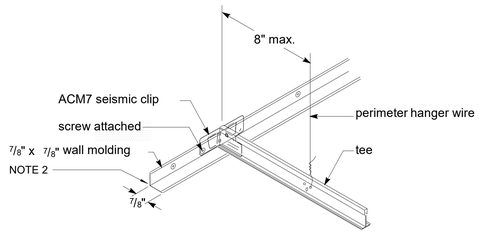
TYPICAL CEILING EXPANSION JOINT DETAIL



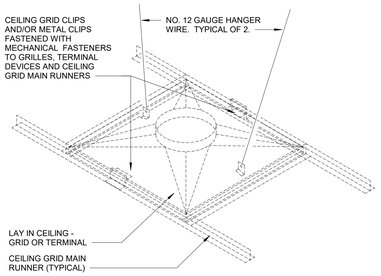
CATEGORY D-F PERIMETER TREATMENT FIXED WALL



CATEGORY D-F PERIMETER TREATMENT FIXED WALL

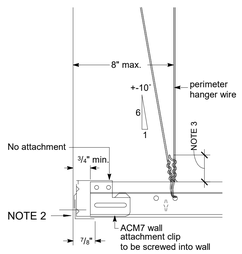


AIR TERMINAL / SERVICES SIESMIC RESTRAINT DETAIL

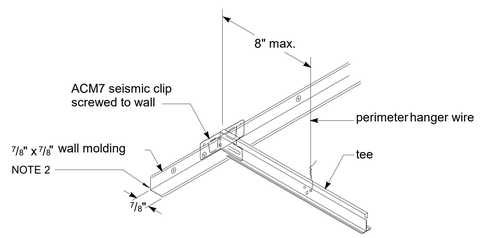


CEILING MOUNTED AIR TERMINALS OR SERVICES WEIGHING 20 LBS. OR LESS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR CROSS RUNNERS. AIR TERMINALS OR SERVICES WEIGHING MORE THAN 20 LBS AND LESS THAN 56 LBS SHALL HAVE, IN ADDITION TO THE ATTACHMENTS NOTED ABOVE, TWO NO. 12 GAUGE HANGES CONNECTED TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. WIRES MAY BE SLACK. AIR TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

CATEGORY D-F PERIMETER TREATMENT FLOATING WALL



CATEGORY D-F PERIMETER TREATMENT FLOATING WALL



LIGHT FIXTURE ATTACHMENT	REQUIREMENTS
LIGHT FIXTURE (ALL TYPES) MECHANICALLY ATTACHED TO GRID NEC 410-16 (TWO PER FIXTURE UNLESS INDEPENDENTLY SUPPORTED)	180 LBS
- SURFACE-MOUNTED FIXTURES ATTACHED TO GRID	REQUIRED
- PENDANT-HUNG FIXTURES DIRECTLY SUPPORTED FROM STRUCTURE WITH 9-GAGUE WIRE (OR APPROVED ALTERNATIVE)	REQUIRED
- RIGID LAY-IN OR CAN LIGHT FIXTURES	HEAVY-DUTY
≤ 10LBS: ONE WIRE TO STRUCTURE (MAY BE SLACK)	REQUIRED
11 TO 56 LBS: TWO WIRES FROM HOUSING TO STRUCTURE (MAY BE SLACK)	REQUIRED
≥ 57LBS: SUPPORTED DIRECTLY TO STRUCTURE BY APPROVED HANGERS	REQUIRED

SERVICE APPLICATION	REQUIREMENTS
AIR TERMINALS	180 LBS
≤ 20 LBS: POSITIVELY ATTACHED TO GRID	REQUIRED
21 TO 56 LBS - POSITIVELY ATTACHED TO GRID AND TWO WIRES TO STRUCTURE (MAY BE SLACK)	REQUIRED
≥ 57 LBS - DIRECTLY SUPPORTED TO STRUCTURE	HEAVY-DUTY
SPRINKLER HEADS AND OTHER PENETRATION CLEARANCE	MIN 2" DIA. OPENING OR A SWING JOINT
CABLE TRAYS AND ELECTRICAL CONDUIT INDEPENDENTLY SUPPORTED AND BRACED	REQUIRED

BASIC CONNECTIONS, PERIMETER, AND LATERAL SPLAY BRACING	REQUIREMENTS
HANGER WIRES SHALL ATTACH TO STRUCTURE. ATTACHMENT TO ROOF SHEATHING OR ROOF DECKING IS NOT ALLOWED.	REQUIRED
MIN. INTERSECTION STRENGTH LIMITS @ MT/CT	180 LBS
VERTICAL HANGER WIRE 12-GAGUE @ 4'O.C.	REQUIRED
CONNECTION DEVICE FROM VETICAL WIRE TO THE STRUCTURE ABOVE MUST SUSTAIN MIN 100LBS	REQUIRED
MAIN TEE CLASSIFICATIONS	HEAVY-DUTY
1 IN 6 MAX PLUMB OF VERTICAL HANGER WIRES	REQUIRED
PERIMETER VERTICAL HANGER WIRES NOT MORE THAN 8" FROM ALL	REQUIRED
GRID END/WALL CLEARANCE	MIN 3/4"
PERIMETER CLOSURE(MOLDING) WIDTH	MIN 2"
GRID CONNECTION TO PERIMETER ATTACHED ON TWO ADJACENT WALLS	REQUIRED
PERIMETER TEE ENDS TIED TOGETHER	REQUIRED
HORIZONTAL RESTRAINT(SPLAY WIRES OR RIGID BRACING) WITHIN 2" OF INTERSECTION AND SPLAYED 90 DEG. APARAT AT 45 DEG. ANGLES	REQUIRED(CEILINGS LARGER THAN 1000SF, WHERE DESIGN CALCS NOT PROVIDED)
COMPRESSION POSTS(STRUTS) 12' O.C. IN BOTH DIRECTIONS, STARTING 6' FROM WALLS	REQUIRED(CEILINGS LARGER THAN 1000SF, WHERE DESIGN CALCS NOT PROVIDED)
SPLAY BRACING CONNECTION STRENGTH 200LBS OR THE DESIGN LOAD, WHICHEVER IS GREATER	REQUIRED
PARTITION ATTACHMENT	BRACING INDEPENDENT OF CEILING SPLAY BRACING
SEISMIC SEPARATION JOINT	REQ'D FOR AREAS > 2,500 SF (OR FULL HEIGHT PARTITION)
RIGID BRACING FOR CEILING PLANE ELEVATION CHANGES	REQUIRED

ATTACHMENT NOTES:

CEILING MOUNTED AIR TERMINALS OR SERVICES WEIGHING 20 LBS. OR LESS SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR CROSS RUNNERS.

AIR TERMINALS OR SERVICES WEIGHING MORE THAN 20 LBS AND LESS THAN 56 LBS SHALL HAVE, IN ADDITION TO THE ATTACHMENTS NOTED ABOVE, TWO NO. 12 GAUGE HANGES CONNECTED TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. WIRES MAY BE SLACK. AIR TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

STATE OF SOUTH CAROLINA — CAPLEA COE ARCHITECTS, INC. CHARLESTON B-78022 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — STEVEN HARLEY COE — REG. NO. 5073 — REGISTERED ARCHITECT

SEALS

NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING LOCATIONS OF SPLAY WIRES AND COMPRESSION POSTS PRIOR TO START OF ANY CEILING INSTALLATION

2. APPLY ACOUSTICAL JOINT SEALANT AT PERIMETER EDGE MOLDINGS OF ACOUSTICAL CEILING AREAS IN A CONTINUOUS RIBBON CONCEALED ON BACK OF VERTICAL LEGS OF MOLDINGS BEFORE THEY ARE INSTALLED.

3. 3 TWISTS WITHIN 1"

4. COMPRESSION POSTS (ROOMS OVER 1000 SF), POSTS ARE TO BE POSITIONED AT 4'-0" C/C ON GRID. SEE LATERAL BRACING DETAIL FOR LAYOUT OF WIRE AND COMPRESSION POST.

5. HANGER WIRE (ROOMS UNDER 1000 SF). WIRES ARE TO BE POSITIONED AT 4'-0" C/C ON GRID.

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

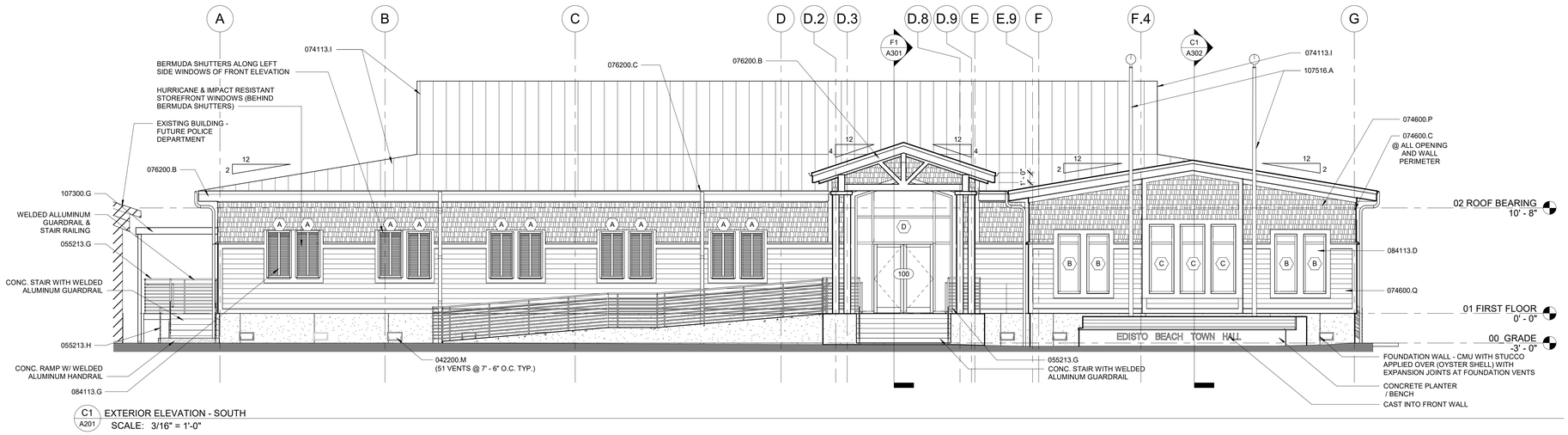
TYPICAL SEISMIC CEILING DETAILS

SHEET NAME

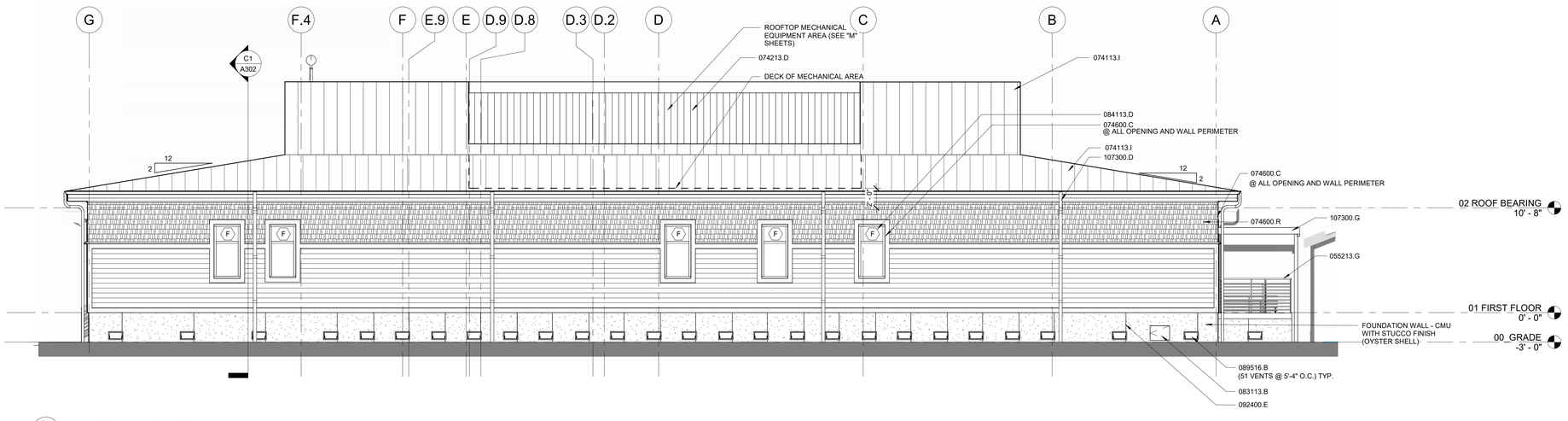
PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 12" = 1'-0"

A121

1/13/2025 8:15:50 AM



C1 / A201 EXTERIOR ELEVATION - SOUTH
SCALE: 3/16" = 1'-0"



F1 / A201 EXTERIOR ELEVATION - NORTH
SCALE: 3/16" = 1'-0"

CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
042200.M	8 IN.X 16 IN. FOUNDATION FLOOD VENTS
055213.G	GALVANIZED METAL GUARDRAIL
055213.H	GALVANIZED METAL HANDRAIL
074113.I	STANDING SEAM METAL ROOF
074213.D	PRE-FINISHED CORRUGATED METAL PANELS
074600.C	CEMENTITIOUS TRIM
074600.P	CEMENTITOUS SHAKE SIDING
074600.Q	CEMENTITIOUS CLAPBOARD SIDING
074600.R	CEMENTITIOUS SIDING
076200.B	PREFINISHED GUTTER
076200.C	PREFINISHED DOWNSPOUT
083113.B	EXTERIOR INSULATED 24" X 18" ACCESS DOOR
084113.D	ALUMINUM FRAMED STOREFRONT WINDOW
084113.G	ALUMINUM BERMUDA SHUTTERS - PREFINISHED
089516.B	SMART VENT
092400.E	STUCCO CONTROL JOINT
107300.D	GUTTER AND DOWNSPOUT
107300.G	ALUMINUM CANOPY
107516.A	FLAGPOLES

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

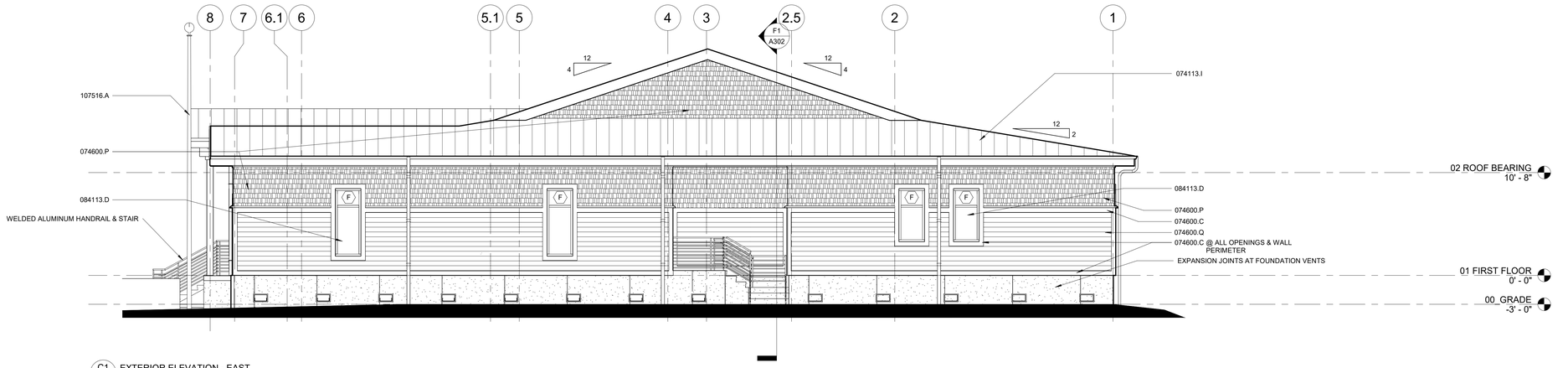
EXTERIOR ELEVATIONS - SOUTH & NORTH

SHEET NAME

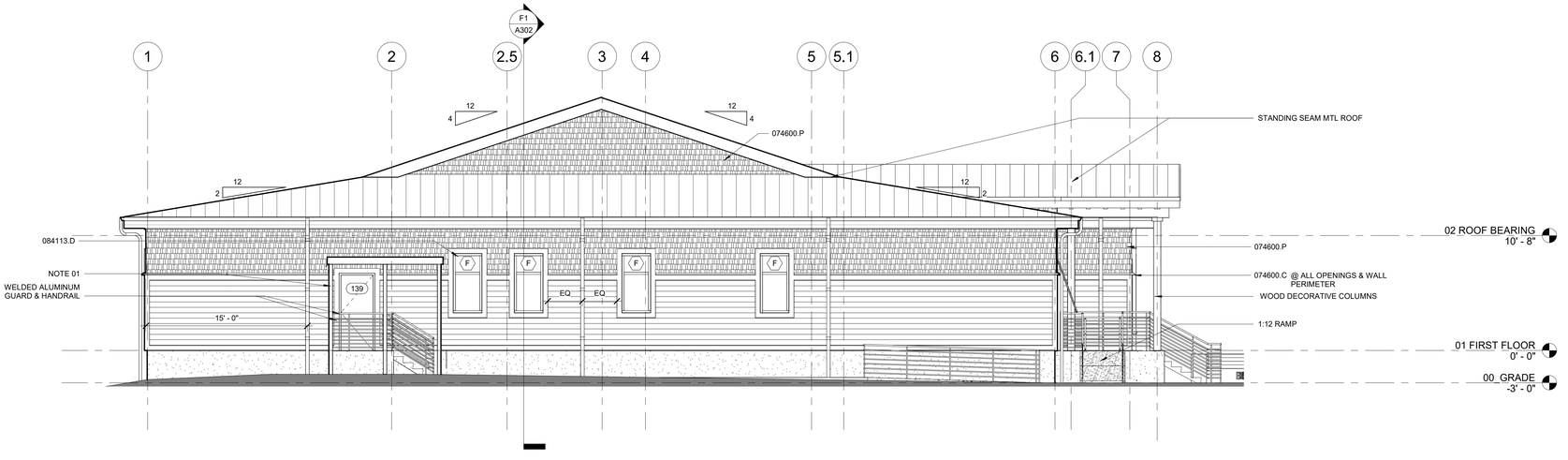
PROJECT NUMBER: 23001
DRAWN BY: GLP
CHECKED BY: Approver
DATE: 01/10/2025
SCALE: 3/16" = 1'-0"

A201

1/13/2025 8:16:05 AM



C1 / A202 EXTERIOR ELEVATION - EAST
SCALE: 3/16" = 1'-0"



E1 / A202 EXTERIOR ELEVATION - WEST
SCALE: 3/16" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. ALUMINUM CANOPY WITH 4" X 4" COLUMNS COVERING SIDEWALK FROM NEW TOWN HALL TO EXISTING TOWN HALL / NEW POLICE STATION

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
074113.I	STANDING SEAM METAL ROOF
074600.C	CEMENTITIOUS TRIM
074600.P	CEMENTITOUS SHAKE SIDING
074600.Q	CEMENTITIOUS CLAPBOARD SIDING
084113.D	ALUMINUM FRAMED STOREFRONT WINDOW
107516.A	FLAGPOLES

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

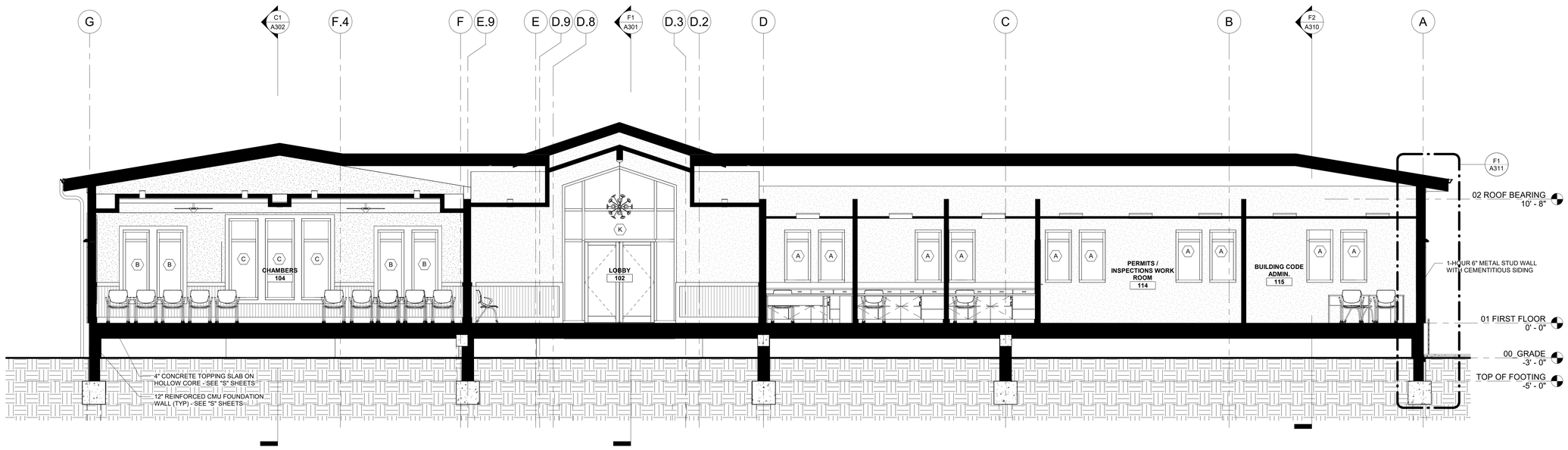
EXTERIOR ELEVATIONS - EAST & WEST

SHEET NAME

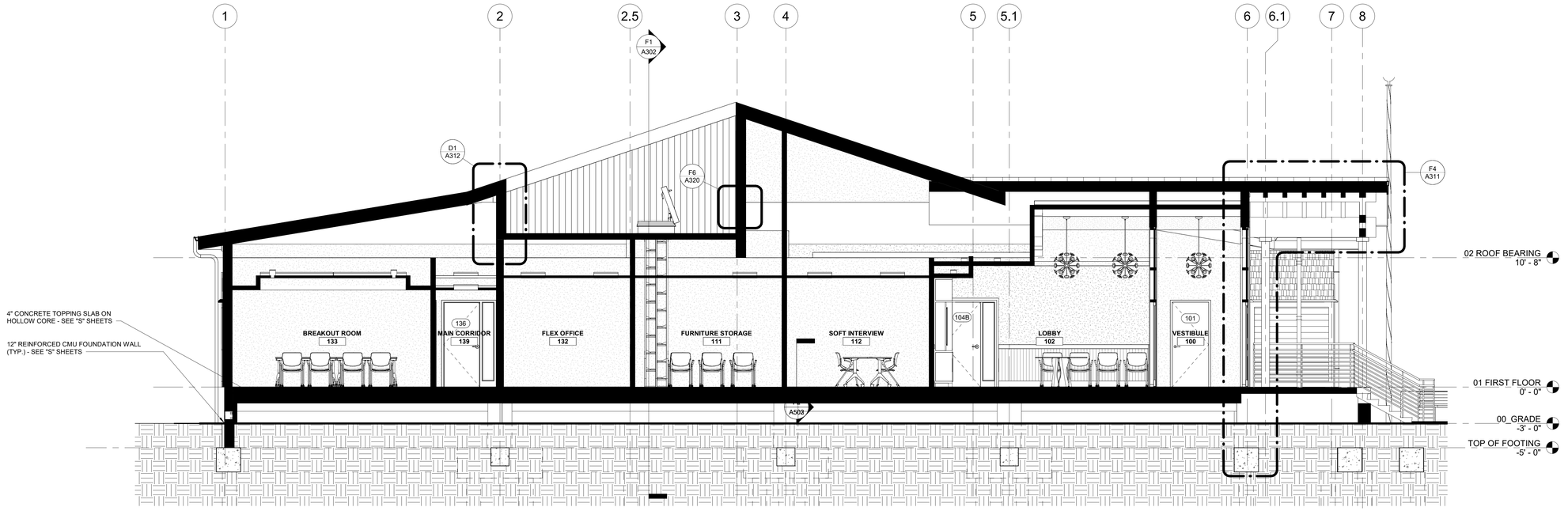
PROJECT NUMBER: 23001
DRAWN BY: GLP
CHECKED BY: Approver
DATE: 01/10/2025
SCALE: 3/16" = 1'-0"

A202

1/13/2025 8:16:07 AM



C1 A301 BUILDING SECTION THROUGH CHAMBERS, LOBBY & LICENSE CLERK LOBBY DORMER
SCALE: 1/4" = 1'-0"



F1 A301 BUILDING SECTION THROUGH ROOFTOP MECHANICAL AREA AND LOBBY
SCALE: 1/4" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

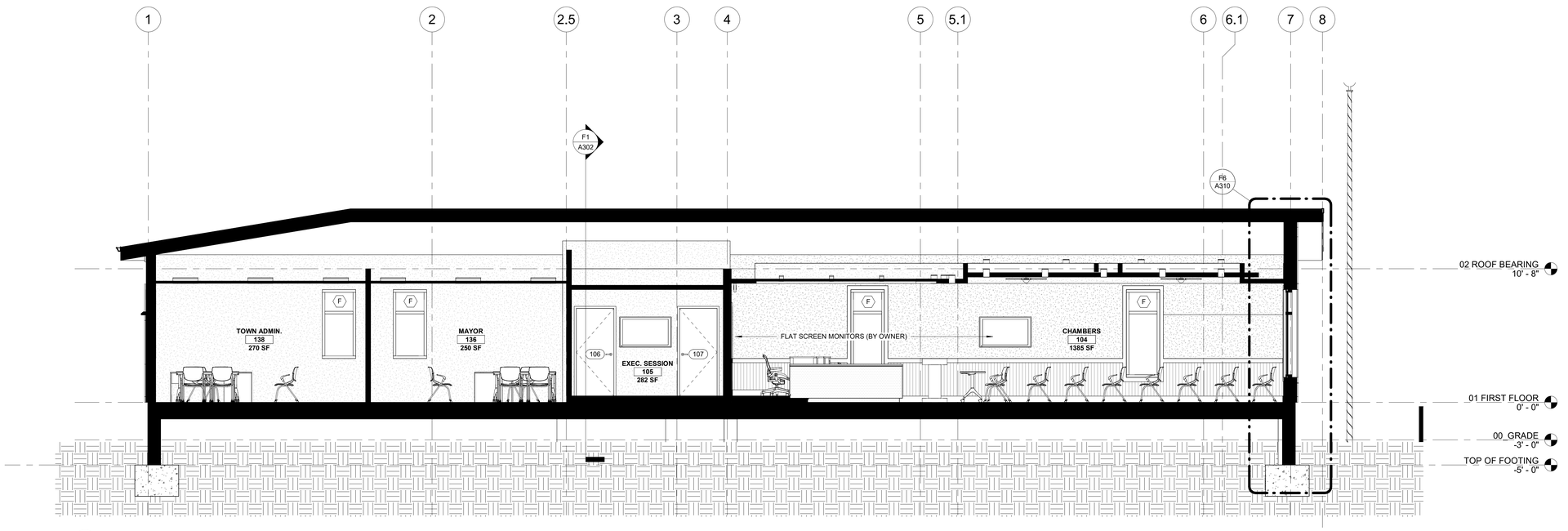
BUILDING SECTIONS

SHEET NAME

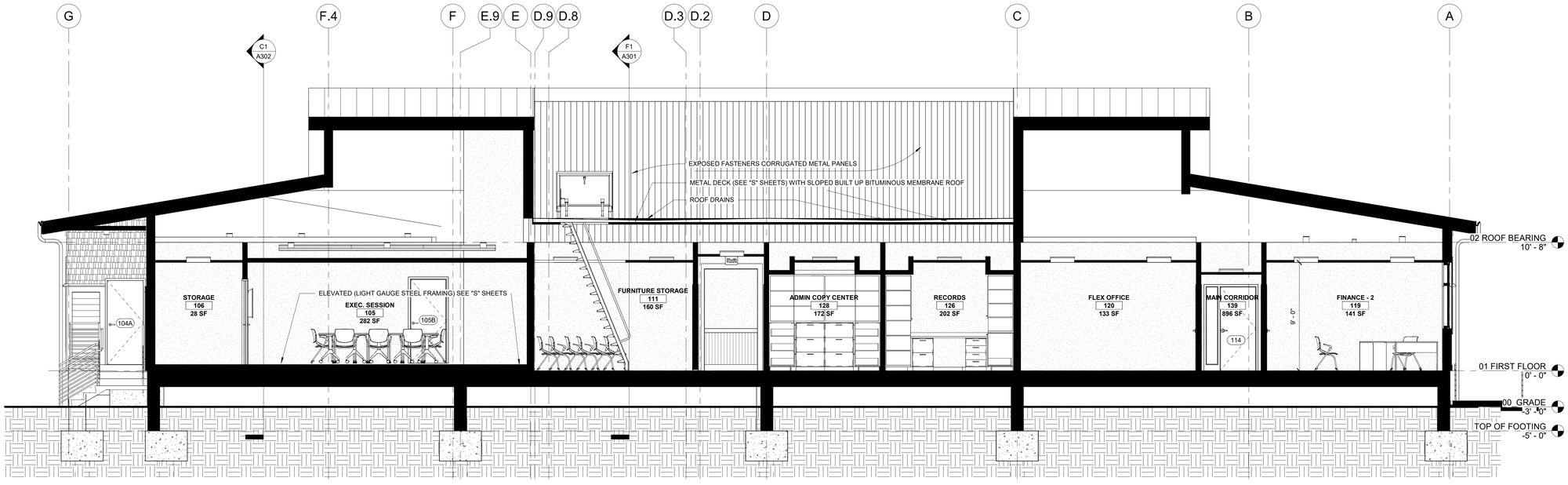
PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	1/4" = 1'-0"

A301

1/13/2025 8:16:14 AM



C1 A302 BUILDING SECTION THROUGH CHAMBERS & EXECUTIVE OFFICES
SCALE: 1/4" = 1'-0"



F1 A302 BUILDING SECTION THROUGH MECHANICAL AND ROOF ACCESS
SCALE: 1/4" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5573
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

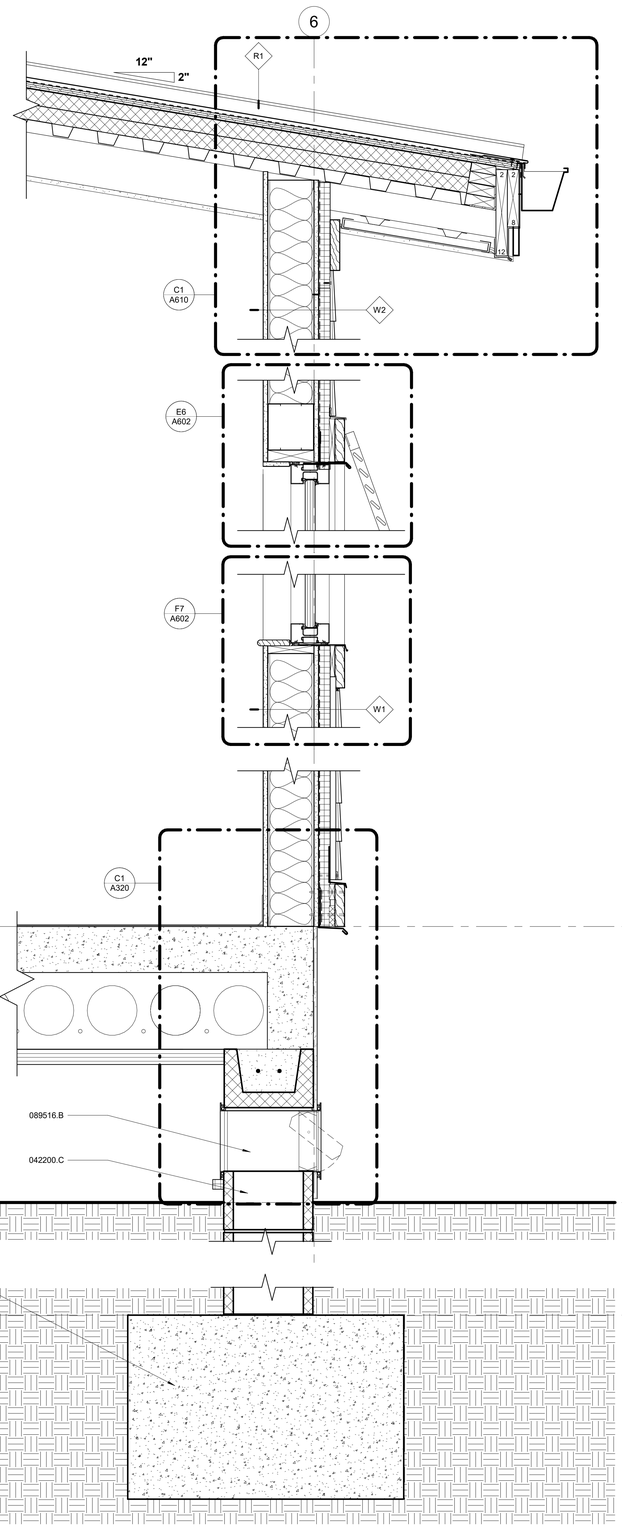
BUILDING SECTIONS

SHEET NAME

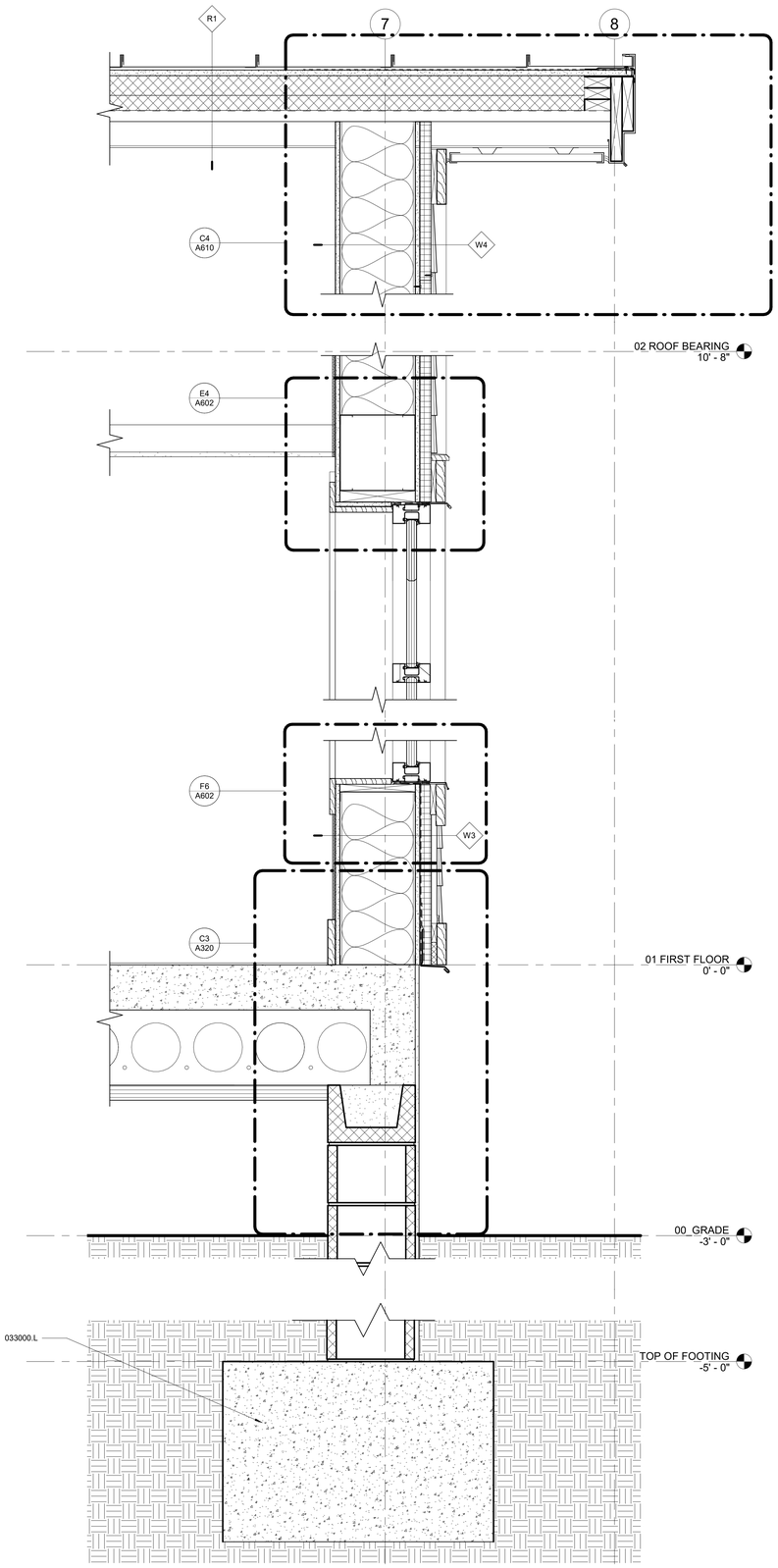
PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	1/4" = 1'-0"

A302

1/13/2025 8:16:19 AM



F2 / A310 TYPICAL WALL SECTION THROUGH WINDOW
SCALE: 1 1/2" = 1'-0"



F6 / A310 WALL SECTION THROUGH SOUTH CHAMBER
SCALE: 1 1/2" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

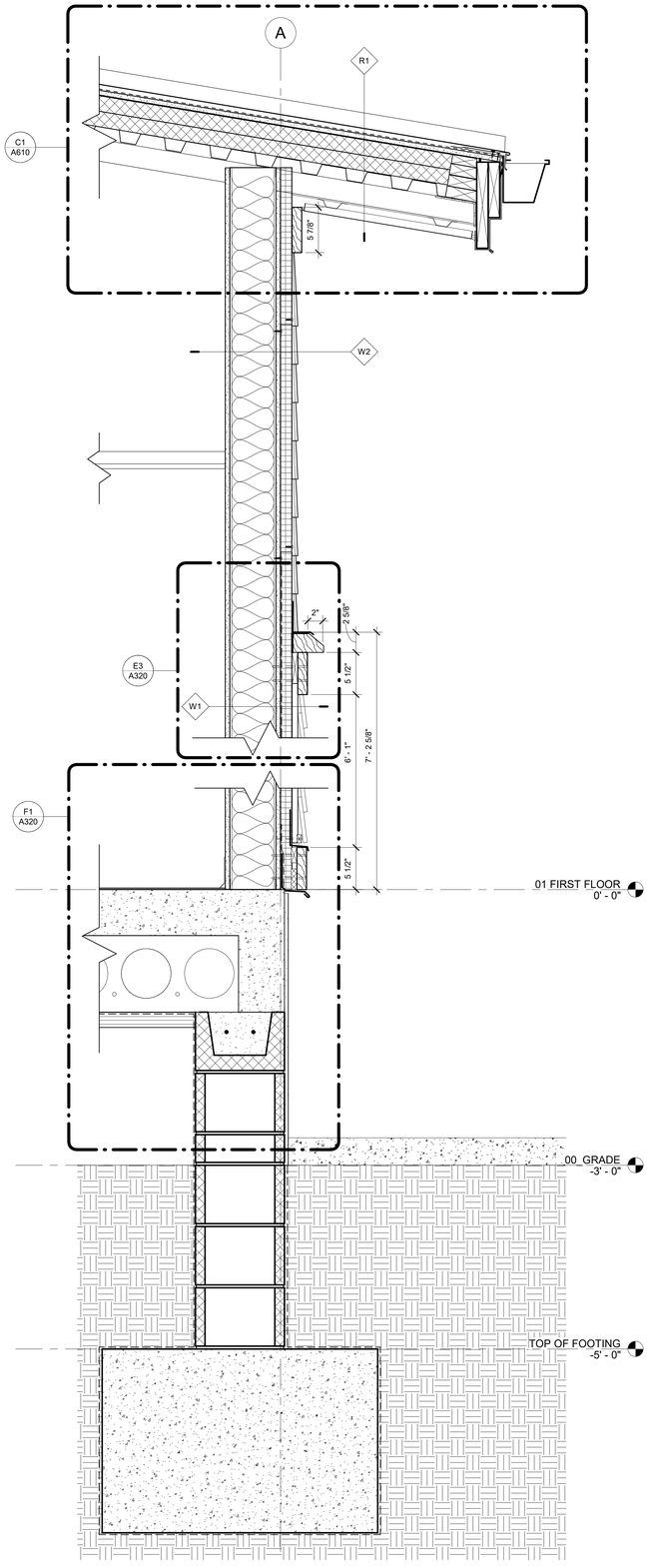
WALL SECTIONS

SHEET NAME

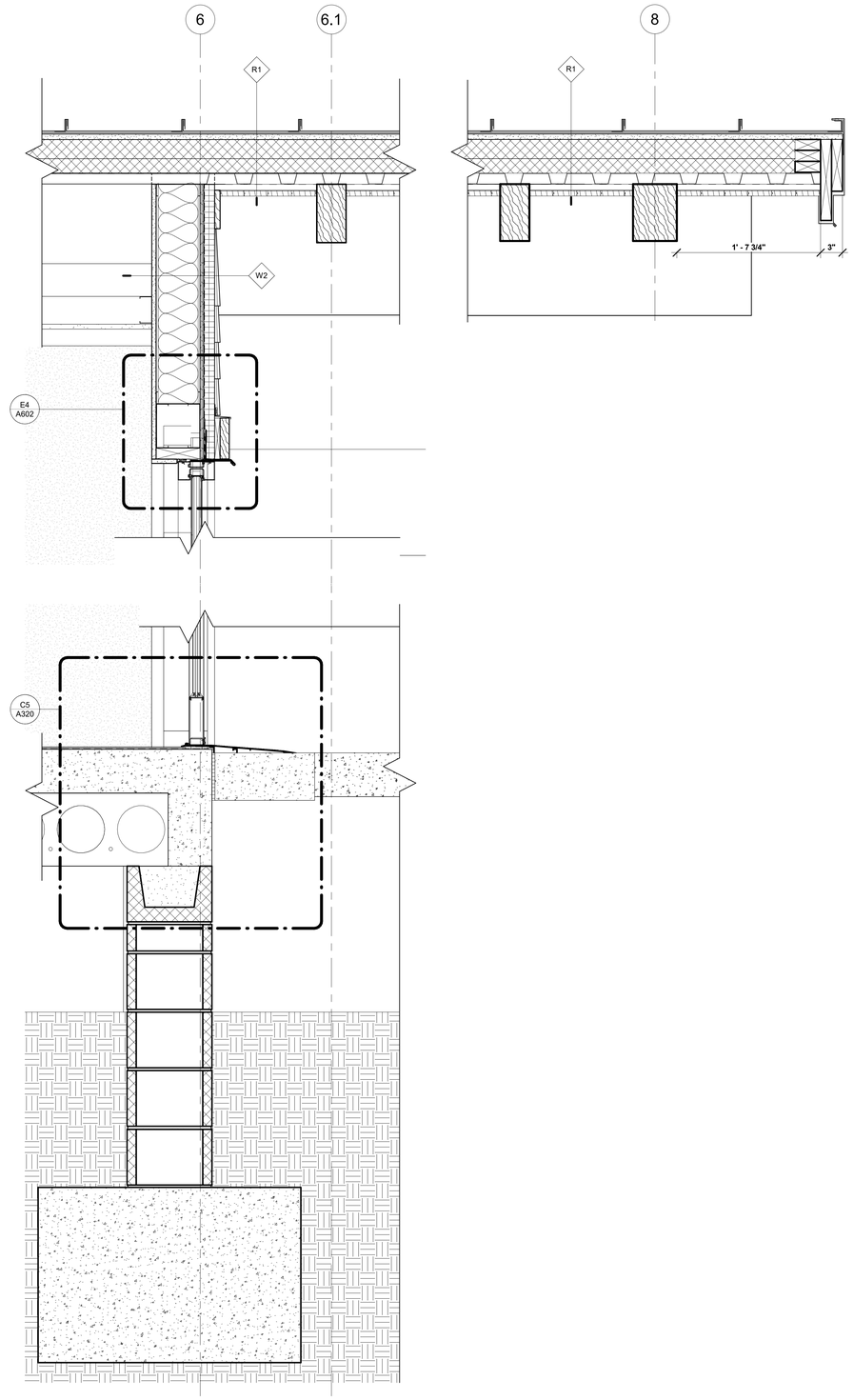
PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	1 1/2" = 1'-0"

A310

1/13/2025 8:16:20 AM



F1 A311 TYPICAL EXTERIOR WALL SECTION
SCALE: 1 1/2" = 1'-0"



F4 A311 WALL SECTION @ FRONT ENTRY CANOPY
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

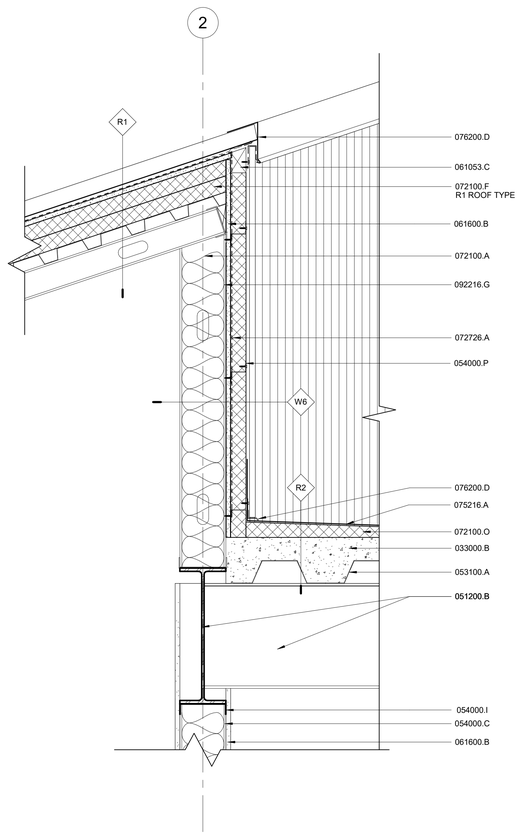
WALL SECTIONS

SHEET NAME

PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 1 1/2" = 1'-0"

A311

1/13/2025 8:16:21 AM



D1 / A312 WALL SECTION THROUGH MECHANICAL ROOF DECK
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
033000.B	CONCRETE SLAB- SEE 'S' SHEETS
051200.B	STEEL BEAM SEE 'S' SHEETS
053100.A	STEEL DECKING - SEE 'S' SHEETS
054000.C	6 IN. COLD FORMED METAL FRAMING
054000.I	6 IN. RADIUSED TRACK
054000.P	Z FURRING
061053.C	WOOD BLOCKING - PRESSURE TREATED
061600.B	GYPSUM SHEATHING
072100.A	THERMAL INSULATION
072100.F	2 IN. RIGID INSULATION
072100.O	TAPERED RIGID INSULATION
072726.A	FLUID-APPLIED MEMBRANE AIR BARRIERS
075216.A	STYRENE-BUTADIENE-STYRENE (SBS) MODIFIED BITUMINOUS MEMBRANE ROOFING
076200.D	PREFINISHED METAL FLASHING
092216.G	6 IN. METAL STUD

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

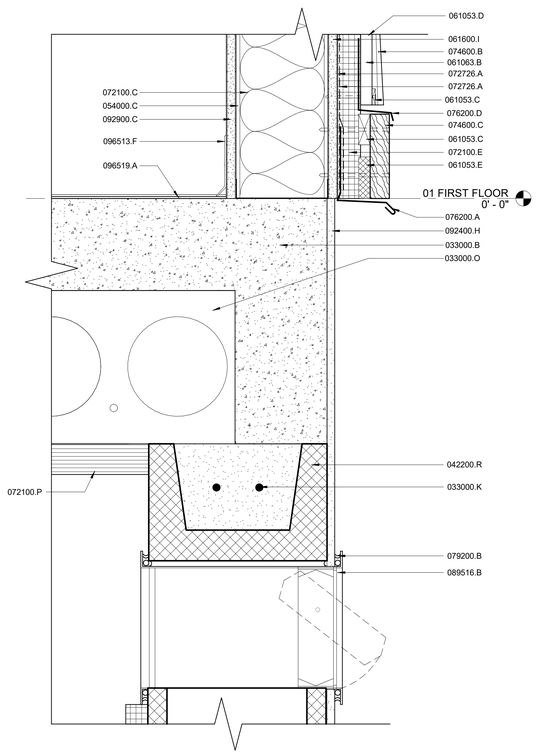
WALL SECTIONS

SHEET NAME

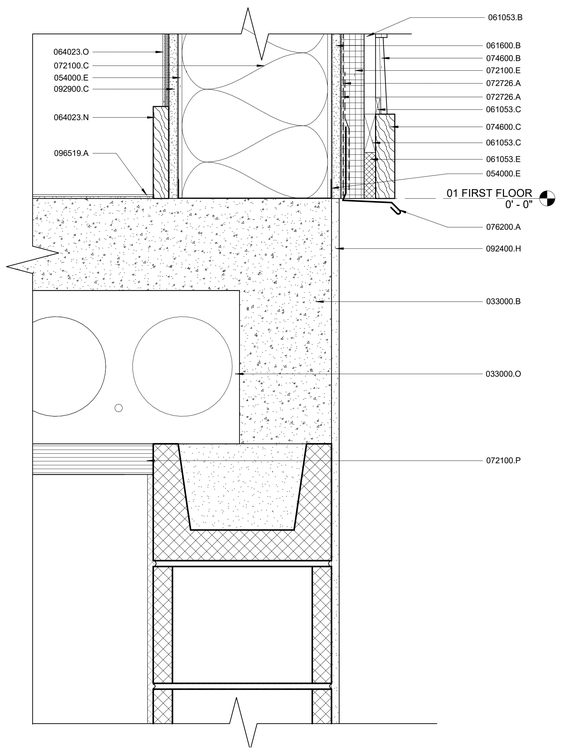
PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 1 1/2" = 1'-0"

A312

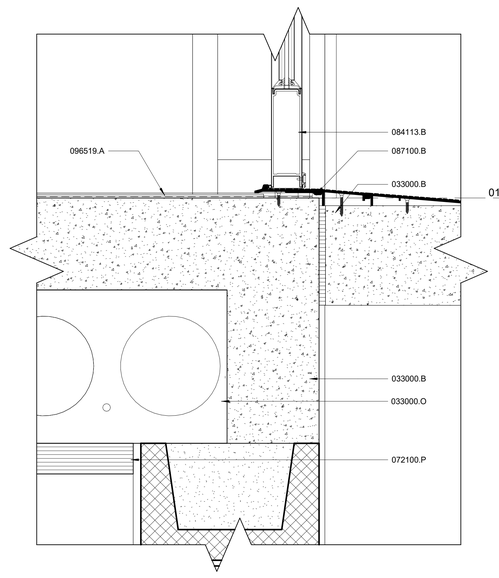
1/13/2025 8:16:21 AM



C1 A320 SECTION DETAIL @ BASE OF WALL TYPE - W1 @ SMART VENT
SCALE: 3" = 1'-0"



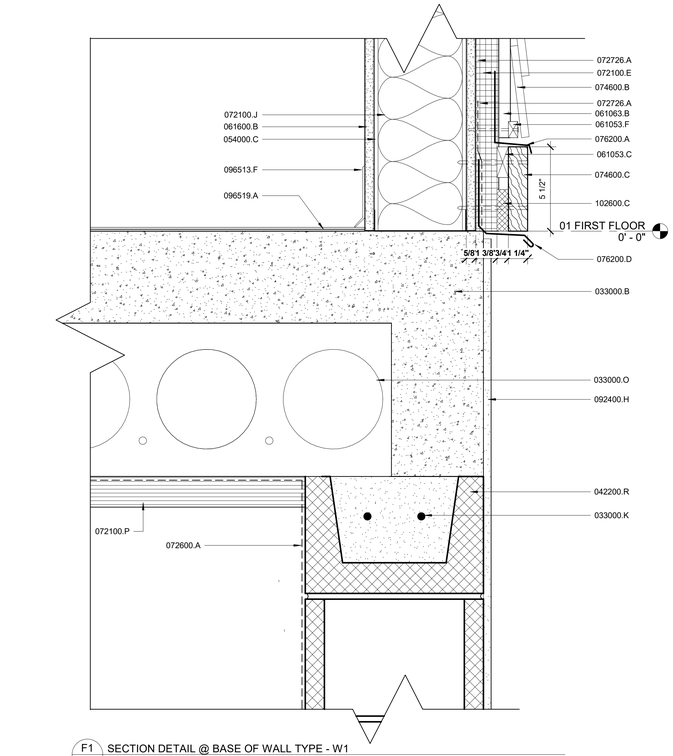
C3 A320 SECTION DETAIL @ BASE OF WALL TYPE - W3
SCALE: 3" = 1'-0"



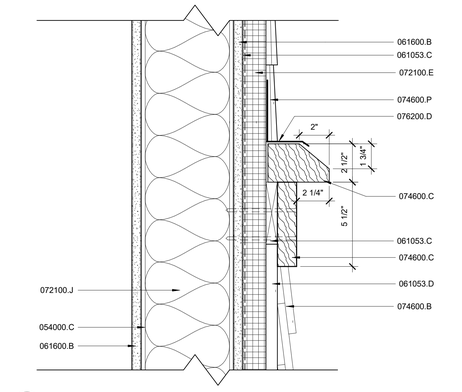
C5 A320 SECTION DETAIL @ BASE OF STOREFRONT ENTRY
SCALE: 3" = 1'-0"

KEYNOTE LEGEND

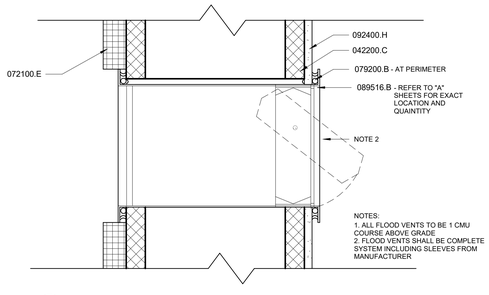
KEY VALUE	KEYNOTE TEXT
033000.B	CONCRETE SLAB- SEE 'S' SHEETS
033000.K	REINFORCING- SEE 'S' SHEETS
033000.O	HOLLOW FLOOR SLAB - SEE 'S' SHEETS
042200.C	12IN. CMU
042200.R	12 IN. CMU-BOND BEAM
054000.C	6 IN. COLD FORMED METAL FRAMING
054000.E	10 IN. COLD FORMED METAL FRAMING
061053.B	1/2 IN. PLYWOOD - PRESSURE TREATED
061053.C	WOOD BLOCKING - PRESSURE TREATED
061053.D	3/4" FURRING @ 24" O.C. - PRESSURE TREATED
061053.E	INSECT SCREEN
061053.F	WOOD STARTER STRIP - PRESSURE TREATED
061063.B	
061600.B	GYPSUM SHEATHING
061600.I	1/2 IN. PRESSURE TREATED PLYWOOD SHEATHING
064023.N	6" WOOD BASEBOARD - PAINTED
064023.O	BEADBOARD PANEL - PAINTED
072100.C	UNFACED R-19 BATT INSULATION
072100.E	1-1/2 IN. RIGID INSULATION
072100.F	2 IN. RIGID INSULATION
072100.J	R-21 BATT INSULATION EXT WALLS UNFACED
072100.P	2 IN. FOIL-FACED MINERAL WOOL INSULATION
072600.A	VAPOR BARRIER
072726.A	FLUID-APPLIED MEMBRANE AIR BARRIERS
074213.A	METAL WALL PANELS
074600.B	CEMENTITIOUS PLANK SIDING
074600.C	CEMENTITIOUS TRIM
074600.P	CEMENTITOUS SHAKE SIDING
076200.A	SHEET METAL FLASHING AND TRIM
076200.D	PREFINISHED METAL FLASHING
076200.Q	PREFINISHED METAL SILL PAN
079200.B	ELASTOMERIC JOINT SEALANT W PRIMER & BACKER ROD
079200.D	JOINT SEALANT BACKER ROD
084113.B	ALUMINUM FRAMED ENTRANCE DOOR
087100.B	RAMPED THRESHOLD
089516.B	SMART VENT
092400.H	CEMENT STUCCO
092900.C	5/8 IN. TYPE 'X' GWB
096513.F	6 IN. RESILIENT BASE
096519.A	RESILIENT TILE FLOORING
102600.C	INSECT SCREEN



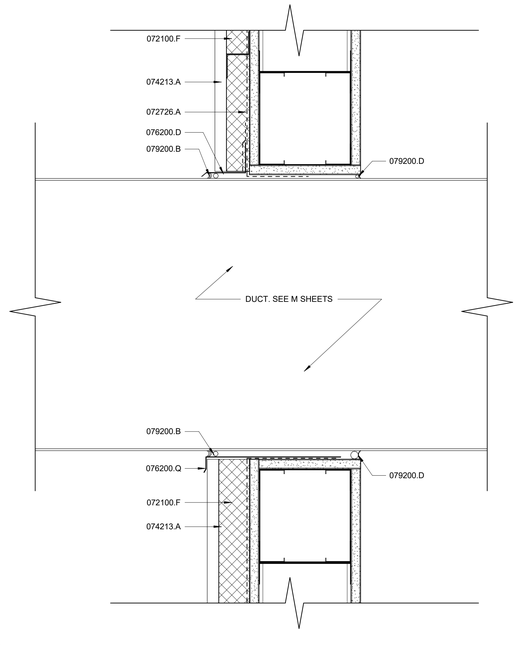
F1 A320 SECTION DETAIL @ BASE OF WALL TYPE - W1
SCALE: 3" = 1'-0"



E3 A320 TYPICAL SIDING TRANSITION DETAIL
SCALE: 3" = 1'-0"



F3 A320 TYPICAL FLOOD VENT DETAIL
SCALE: 3" = 1'-0"



F6 A320 SECTION DETAIL @ EXTERIOR DUCT PENETRATION
SCALE: 3" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS
STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

SECTION DETAILS

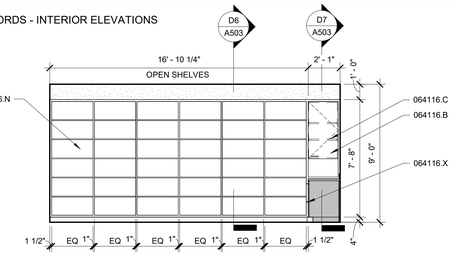
SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	3" = 1'-0"

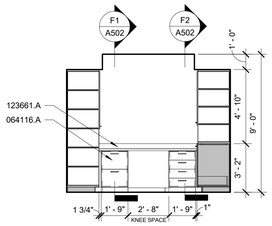
A320

1/13/2025 8:16:22 AM

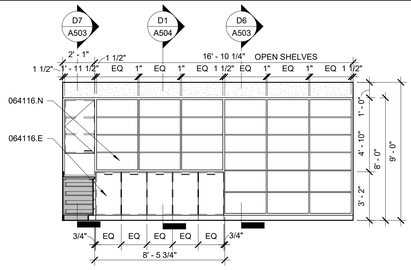
ROOM 126 - RECORDS - INTERIOR ELEVATIONS



A1 A401 RECORDS - EAST
SCALE: 1/4" = 1'-0"

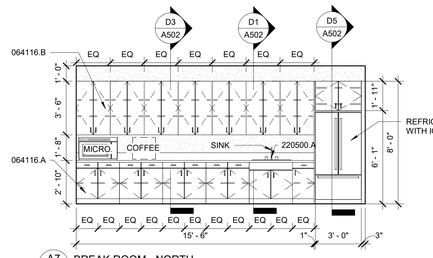


A3 A401 RECORDS - SOUTH
SCALE: 1/4" = 1'-0"

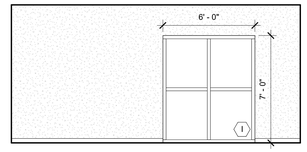


A5 A401 RECORDS - WEST
SCALE: 1/4" = 1'-0"

ROOM 116 - BREAK RM - INTERIOR ELEVATIONS

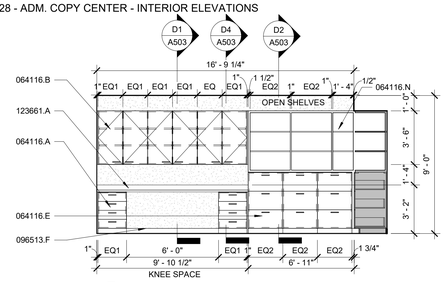


A7 A401 BREAK ROOM - NORTH
SCALE: 1/4" = 1'-0"

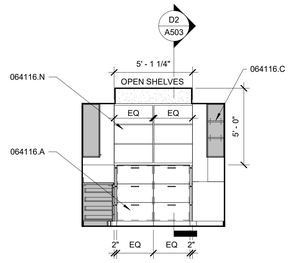


B7 A401 BREAK ROOM - SOUTH
SCALE: 1/4" = 1'-0"

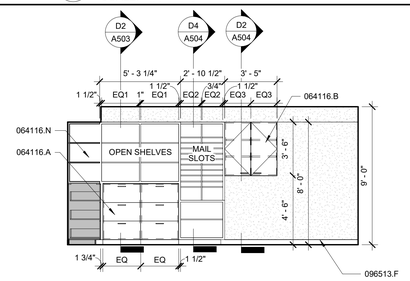
ROOM 128 - ADM. COPY CENTER - INTERIOR ELEVATIONS



B1 A401 ADM. COPY CENTER - EAST
SCALE: 1/4" = 1'-0"

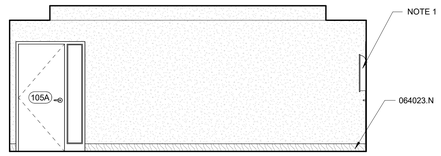


B3 A401 ADM. COPY CENTER - WEST
SCALE: 1/4" = 1'-0"

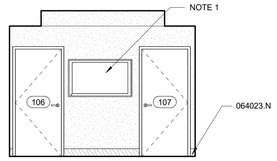


B5 A401 ADM. COPY CENTER - WEST
SCALE: 1/4" = 1'-0"

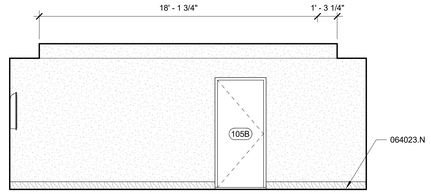
ROOM 105 - EXEC. SESSIONS - INTERIOR ELEVATIONS



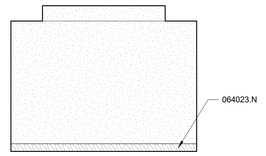
C1 A401 EXEC. SESSION - NORTH
SCALE: 1/4" = 1'-0"



C3 A401 EXEC. SESSION - EAST
SCALE: 1/4" = 1'-0"

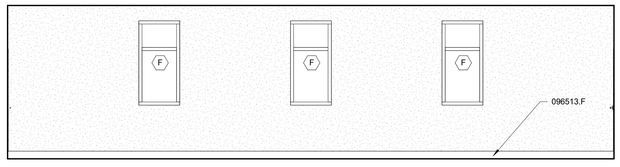


C5 A401 EXEC. SESSION - SOUTH
SCALE: 1/4" = 1'-0"

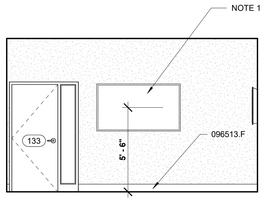


C7 A401 EXEC. SESSION - WEST
SCALE: 1/4" = 1'-0"

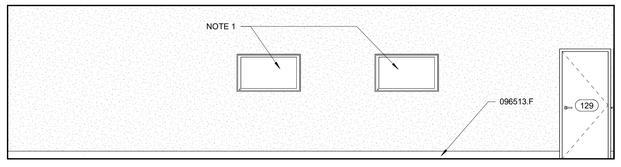
ROOM 129 - EOC & TRAINING - INTERIOR ELEVATIONS



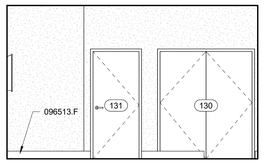
D1 A401 EOC & TRAINING - NORTH
SCALE: 1/4" = 1'-0"



D3 A401 EOC & TRAINING - EAST
SCALE: 1/4" = 1'-0"

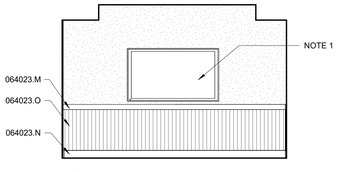


D5 A401 EOC & TRAINING - SOUTH
SCALE: 1/4" = 1'-0"

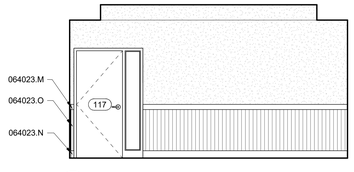


D7 A401 EOC & TRAINING - WEST
SCALE: 1/4" = 1'-0"

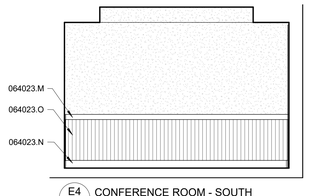
ROOM 117 - CONFERENCE ROOM - INTERIOR ELEVATIONS



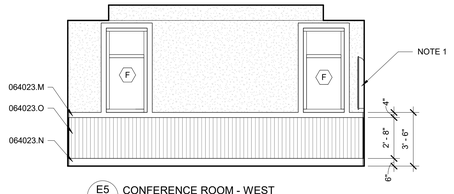
E1 A401 CONFERENCE ROOM - NORTH
SCALE: 1/4" = 1'-0"



E2 A401 CONFERENCE ROOM - EAST
SCALE: 1/4" = 1'-0"

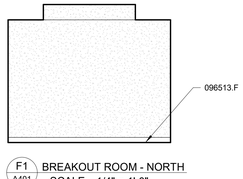


E4 A401 CONFERENCE ROOM - SOUTH
SCALE: 1/4" = 1'-0"

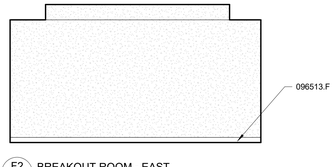


E5 A401 CONFERENCE ROOM - WEST
SCALE: 1/4" = 1'-0"

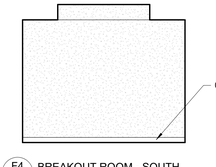
ROOM 133 - BREAKOUT ROOM - INTERIOR ELEVATIONS



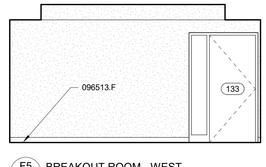
F1 A401 BREAKOUT ROOM - NORTH
SCALE: 1/4" = 1'-0"



F2 A401 BREAKOUT ROOM - EAST
SCALE: 1/4" = 1'-0"

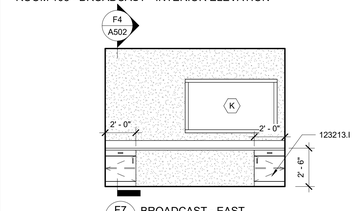


F4 A401 BREAKOUT ROOM - SOUTH
SCALE: 1/4" = 1'-0"



F5 A401 BREAKOUT ROOM - WEST
SCALE: 1/4" = 1'-0"

ROOM 103 - BROADCAST - INTERIOR ELEVATION



F7 A401 BROADCAST - EAST
SCALE: 1/4" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5573
REGISTERED ARCHITECT

SEALS

NOTES:

1. WALL MOUNTED LCD TV, (SEE ELEC & TECH. SHEETS)

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
064023.M	WOOD TRIM - PAINTED
064023.N	6" WOOD BASEBOARD - PAINTED
064023.O	BEADBOARD PANEL - PAINTED
064116.A	BASE CABINET PLASTIC LAMINATE
064116.B	WALL CABINET PLASTIC LAMINATE
064116.C	PLASTIC LAMINATE FIXED SHELVING
064116.E	PLASTIC LAMINATE DRAWER
064116.N	OPEN SHELVING
064116.X	CABINETRY HARDWARE
096513.F	6 IN. RESILIENT BASE
123213.I	BASE CABINET
123661.A	SOLID SURFACE COUNTERTOPS
220500.A	PLUMBING FIXTURES - SEE 'P' SHEETS

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

INTERIOR ELEVATIONS

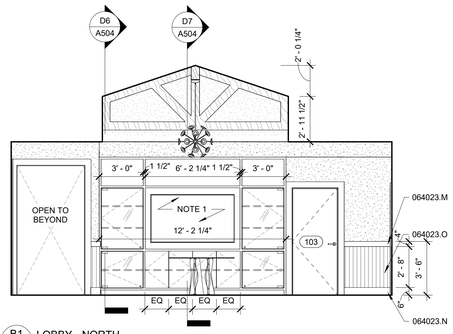
SHEET NAME

PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 1/4" = 1'-0"

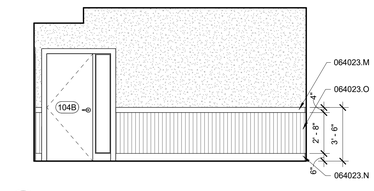
A401

1/13/2025 8:16:25 AM

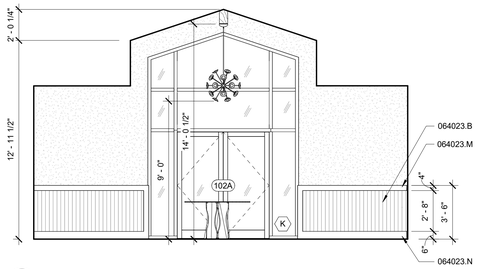
ROOM 102 - LOBBY - INTERIOR ELEVATIONS



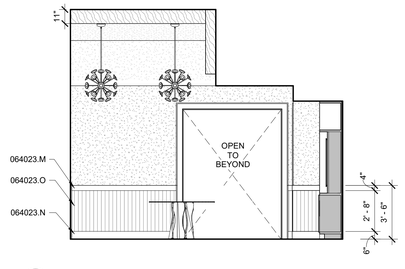
B1 A402 LOBBY - NORTH
SCALE: 1/4" = 1'-0"



B3 A402 LOBBY - EAST
SCALE: 1/4" = 1'-0"

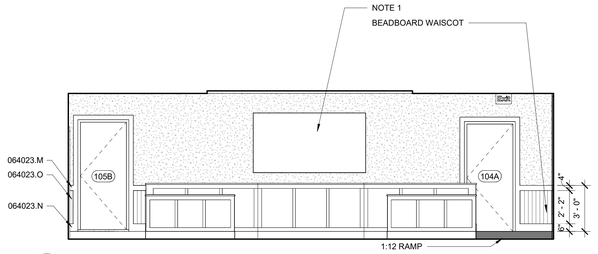


B5 A402 LOBBY - SOUTH
SCALE: 1/4" = 1'-0"

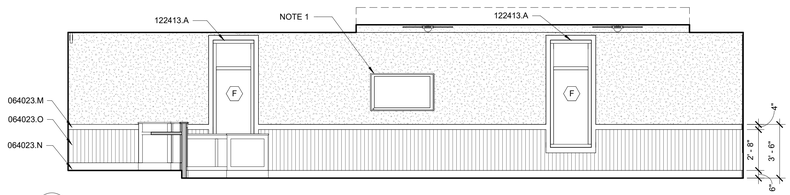


B7 A402 LOBBY - WEST
SCALE: 1/4" = 1'-0"

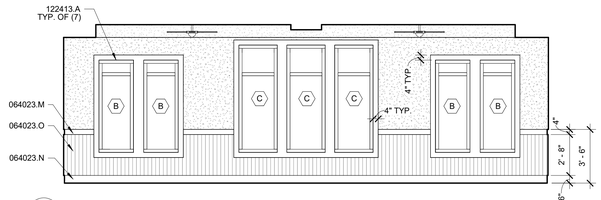
ROOM 104 - CHAMBERS - INTERIOR ELEVATIONS



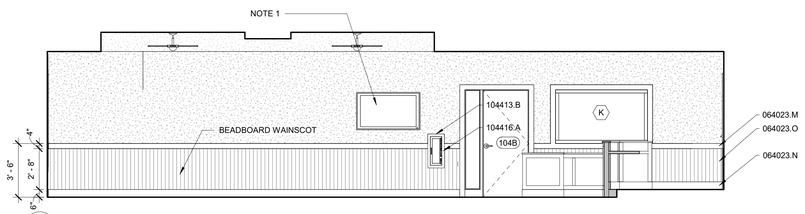
D1 A402 CHAMBERS - NORTH
SCALE: 1/4" = 1'-0"



D3 A402 CHAMBERS - EAST
SCALE: 1/4" = 1'-0"



D6 A402 CHAMBERS - SOUTH
SCALE: 1/4" = 1'-0"



E1 A402 CHAMBERS - WEST
SCALE: 1/4" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. WALL MOUNTED LCD TV, (SEE ELEC & TECH. SHEETS)

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
064023.B	INTERIOR STANDING & RUNNING TRIM
064023.M	WOOD TRIM - PAINTED
064023.N	6" WOOD BASEBOARD - PAINTED
064023.O	BEADBOARD PANEL - PAINTED
104413.B	SEMI-RECESSED FIRE EXTINGUISHER CABINET
104416.A	FIRE EXTINGUISHERS
122413.A	ROLLER WINDOW SHADES

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

INTERIOR ELEVATIONS

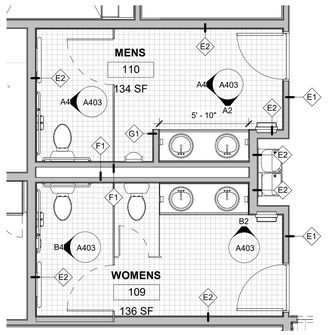
SHEET NAME

PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 1/4" = 1'-0"

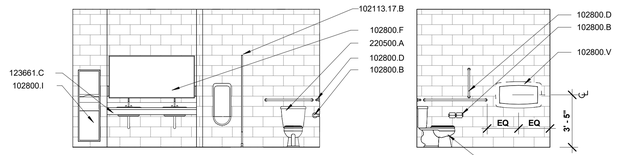
A402

1/13/2025 8:16:30 AM

ROOMS 109 & 110 - MENS & WOMENS RESTROOMS - PLANS & INTERIOR ELEVATIONS

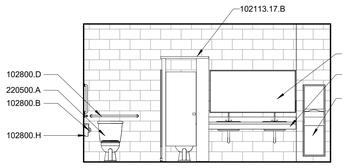


B1 A403 ENLARGED PLAN - PUBLIC REST ROOMS
SCALE: 1/4" = 1'-0"

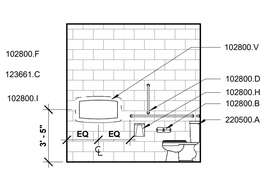


A2 A403 MENS RESTROOM 01
SCALE: 1/4" = 1'-0"

A4 A403 MENS RESTROOM 02
SCALE: 1/4" = 1'-0"

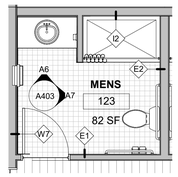


B2 A403 WOMENS RESTROOM 01
SCALE: 1/4" = 1'-0"

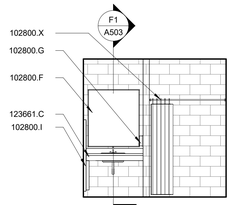


B4 A403 WOMENS RESTROOM 02
SCALE: 1/4" = 1'-0"

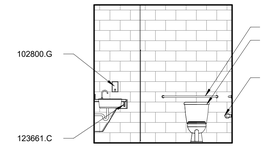
ROOMS 123, 125 & 127 - MENS & WOMENS BATHROOMS, JAN. CLO. - PLANS & INTERIOR ELEV.



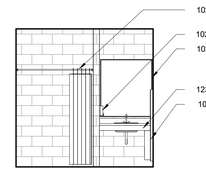
A5 A403 TYP. PLAN - EOC BATHROOMS
SCALE: 1/4" = 1'-0"



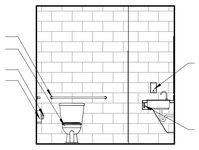
A6 A403 MENS BATHROOM 01
SCALE: 1/4" = 1'-0"



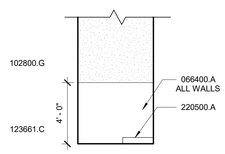
A7 A403 MENS BATHROOM 02
SCALE: 1/4" = 1'-0"



A8 A403 WOMENS BATHROOM 01
SCALE: 1/4" = 1'-0"



B5 A403 WOMENS BATHROOM 02
SCALE: 1/4" = 1'-0"



B6 A403 JANITOR'S CLOSET
SCALE: 1/4" = 1'-0"

ROOMS 107 - EXEC. TOILET - INTERIOR ELEV.

C1 A403 ENLARGED PLAN - EXEC. TOILET
SCALE: 1/4" = 1'-0"

C2 A403 EXEC. TOILET
SCALE: 1/4" = 1'-0"

SEALS

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5573
REGISTERED ARCHITECT

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
066400.A	FIBERGLASS REINFORCED PANELING
102113.17.B	TOILET PARTITIONS & URINAL SCREENS
102800.B	TOILET PAPER DISPENSER
102800.D	GRAB BAR
102800.F	MIRROR UNIT
102800.G	SOAP DISPENSER
102800.H	SANITARY NAPKIN DISPOSAL
102800.I	COMBO SEMI RECESSED PAPER TOWEL DISPENSER/TRASHCAN
102800.V	DIAPER CHANGING STATION
102800.X	SHOWER CURTAIN & ROD
123661.C	SOLID SURFACE INTREGAL SINK COUNTER TOP
220500.A	PLUMBING FIXTURES - SEE 'P' SHEETS

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

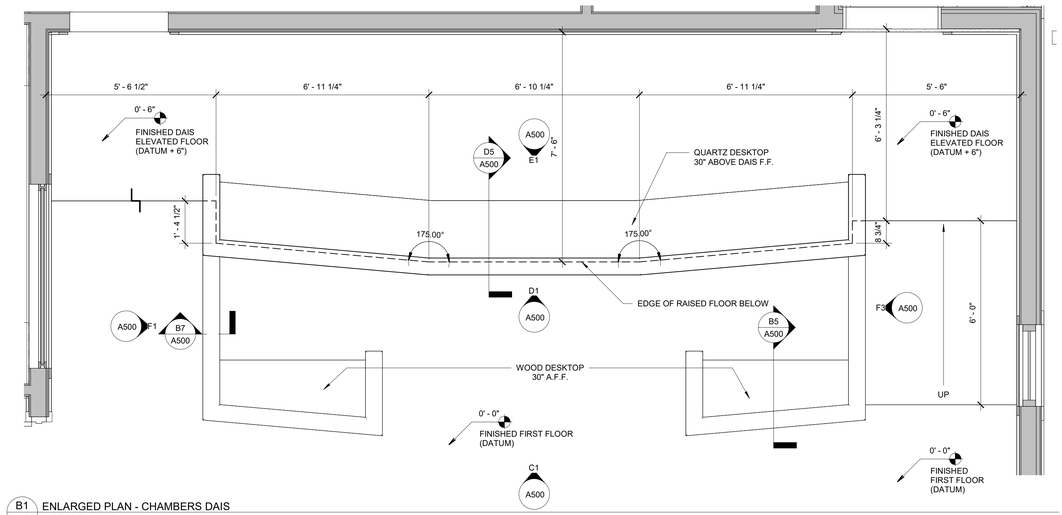
RESTROOM PLANS & INTERIOR ELEVATIONS

SHEET NAME

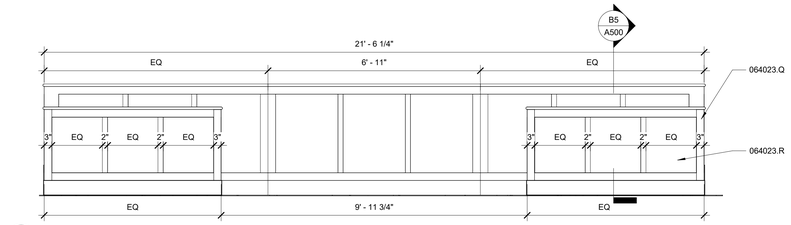
PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 1/4" = 1'-0"

A403

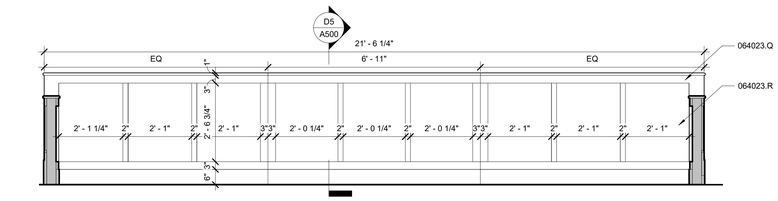
1/13/2025 8:16:32 AM



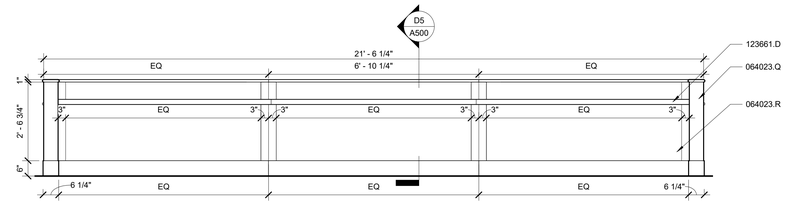
B1 / A500 ENLARGED PLAN - CHAMBERS DAIS
SCALE: 1/2" = 1'-0"



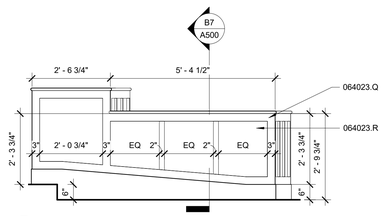
C1 / A500 DAIS - FRONT ELEVATION
SCALE: 1/2" = 1'-0"



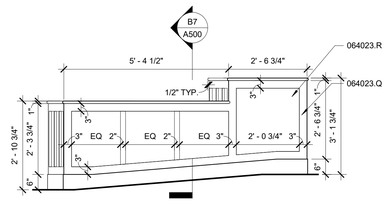
D1 / A500 DAIS - FRONT ELEVATION 2
SCALE: 1/2" = 1'-0"



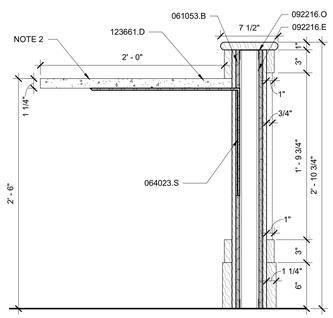
E1 / A500 DAIS - BACK ELEVATION
SCALE: 1/2" = 1'-0"



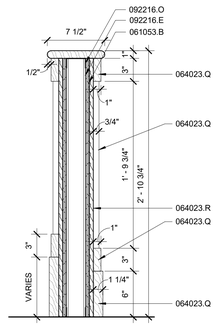
F1 / A500 DAIS - STAIR ELEVATION
SCALE: 1/2" = 1'-0"



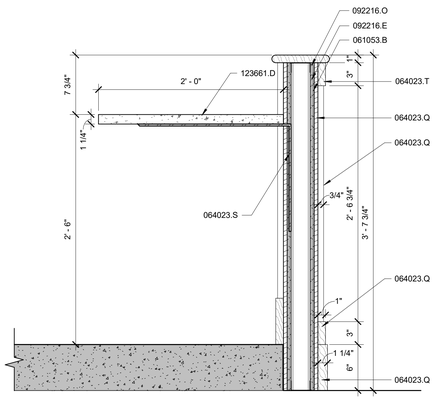
F3 / A500 DAIS - RAMP ELEVATION
SCALE: 1/2" = 1'-0"



B5 / A500 DAIS - SECTION 1
SCALE: 1 1/2" = 1'-0"



B7 / A500 DAIS - SECTION 2
SCALE: 1 1/2" = 1'-0"



D5 / A500 DAIS - SECTION 3
SCALE: 1 1/2" = 1'-0"

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
061053.B	1/2 IN. PLYWOOD - PRESSURE TREATED
064023.Q	WOOD TRIM - STAINED
064023.R	WOOD PANEL - STAINED
064023.S	HIDDEN STEEL SUPPORT BRACKET
064023.T	WOOD FACED TRIM - STAINED
092216.E	2 IN. METAL STUD
092216.O	METAL CHANNEL
123661.D	QUARTZ AGGLOMERATE COUNTERTOP

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

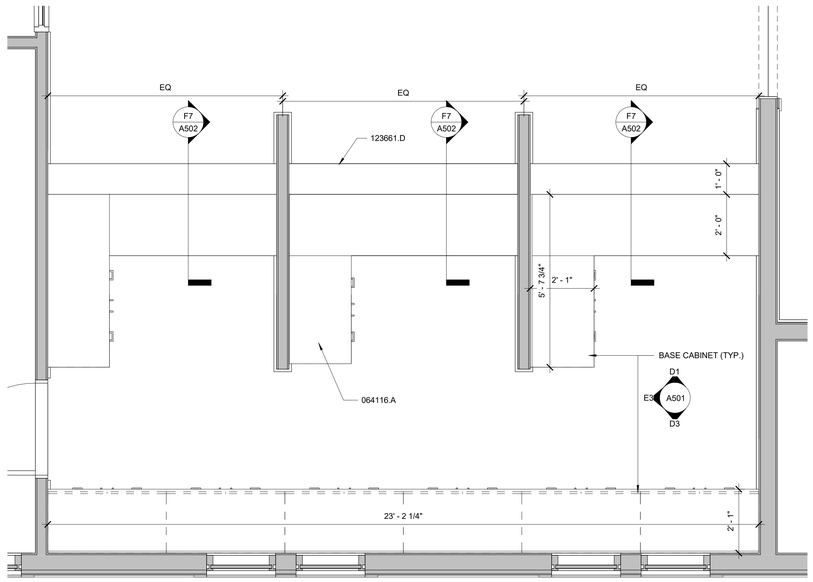
ENLARGED PLANS, INTERIOR ELEVATIONS, & DETAILS

SHEET NAME

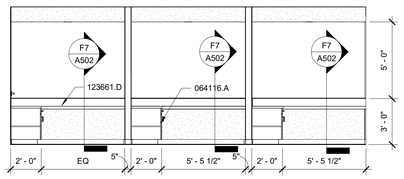
PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE As indicated

A500

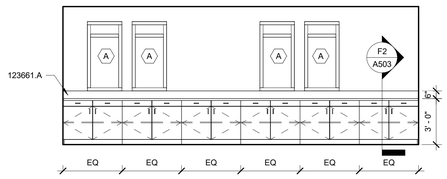
1/13/2025 8:16:33 AM



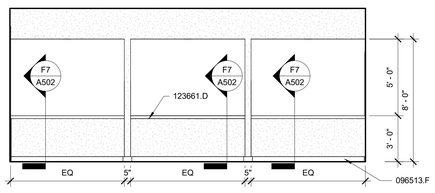
C1 / A501 ENLARGED PLAN - TELLERS
SCALE: 1/2" = 1'-0"



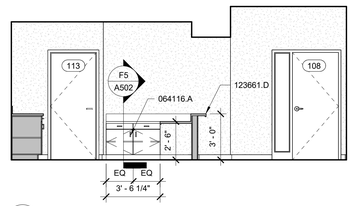
D1 / A501 INTERIOR ELEVATION - UTIL. & LICENSE CLERKS 01
SCALE: 1/4" = 1'-0"



D3 / A501 INTERIOR ELEVATION - UTIL. & LICENSE CLERKS 02
SCALE: 1/4" = 1'-0"



E1 / A501 INTERIOR ELEVATION - LICENSE CLERK LOBBY 01
SCALE: 1/4" = 1'-0"



E3 / A501 INTERIOR ELEVATION - UTIL. & LICENSE CLERKS 03
SCALE: 1/4" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. WATERFALL EDGE.
2. SOLID WOOD DESKTOP

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
064116.A	BASE CABINET PLASTIC LAMINATE
096513.F	6 IN. RESILIENT BASE
123661.A	SOLID SURFACE COUNTERTOPS
123661.D	QUARTZ AGGLOMERATE COUNTERTOP

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

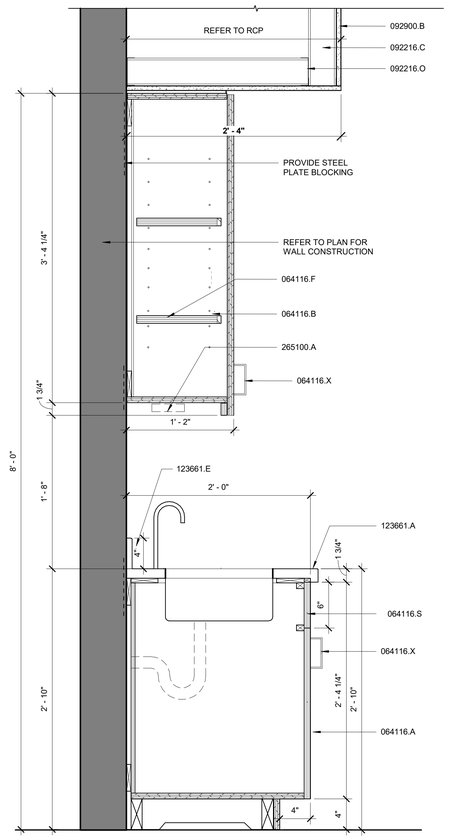
CASEWORK PLANS & ELEVATIONS

SHEET NAME

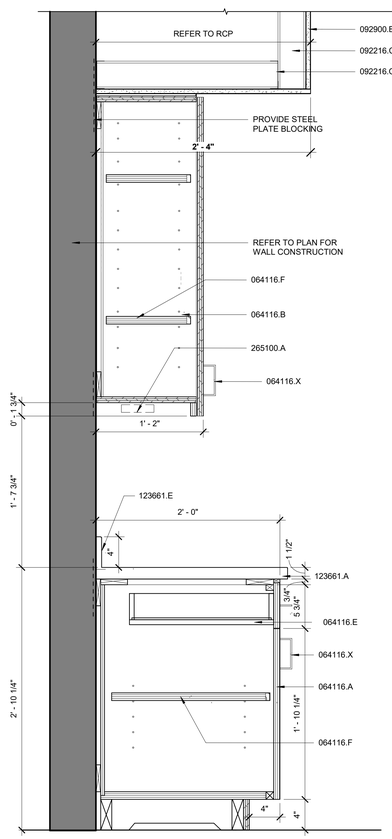
PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE As indicated

A501

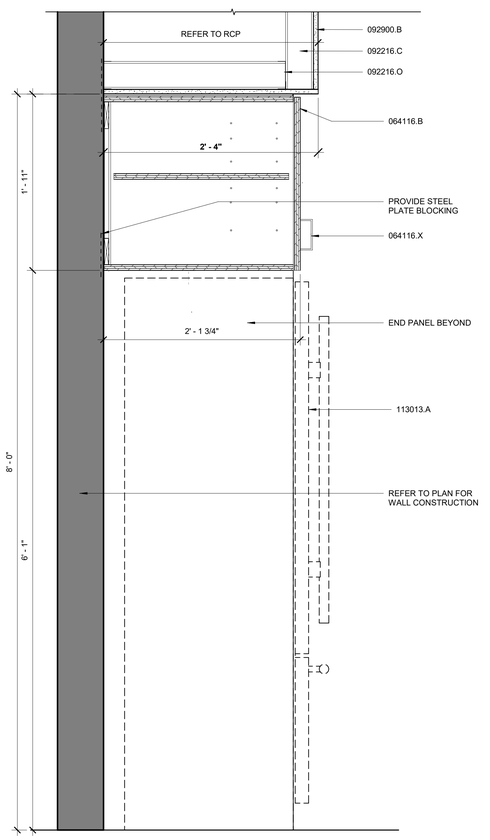
1/13/2025 8:16:34 AM



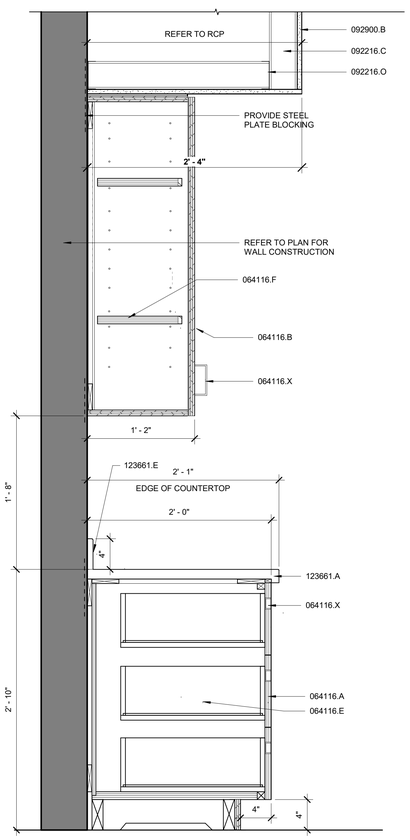
D1 A502 CASEWORK SECTION - BASE CABINET @ SINK
SCALE: 1 1/2" = 1'-0"



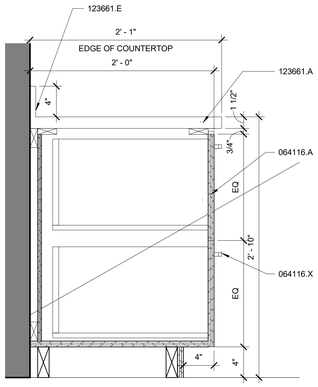
D3 A502 CASEWORK SECTION - BASE CABINET @ DRAWER
SCALE: 1 1/2" = 1'-0"



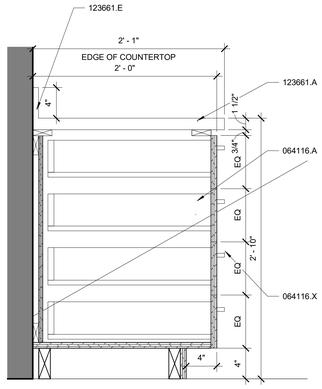
D5 A502 CASEWORK SECTION - WALL CABINET @ REFRIGERATOR
SCALE: 1 1/2" = 1'-0"



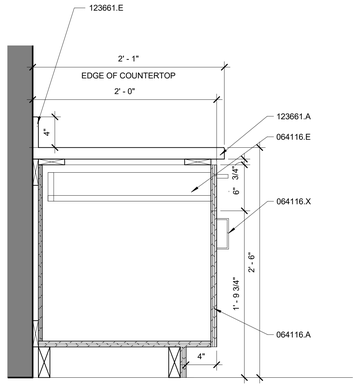
D7 A502 CASEWORK SECTION - BASE CABINET @ STORAGE DRAWERS
SCALE: 1 1/2" = 1'-0"



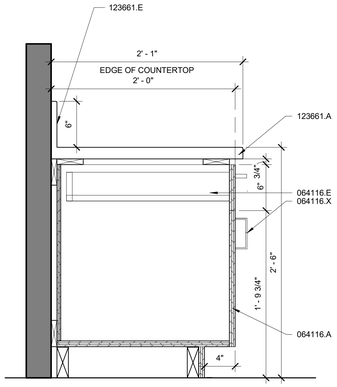
F1 A502 CASEWORK SECTION - BASE CABINET W/ TWO DRAWERS
SCALE: 1 1/2" = 1'-0"



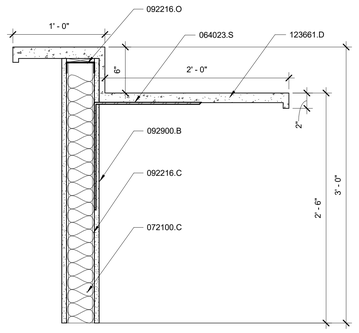
F2 A502 CASEWORK SECTION - BASE CABINET W/ FOUR DRAWERS
SCALE: 1 1/2" = 1'-0"



F4 A502 CASEWORK SECTION - BASE CABINET W/ TOP DRAWER
SCALE: 1 1/2" = 1'-0"



F5 A502 CASEWORK SECTION - TRANSACTION COUNTER & DESK
SCALE: 1 1/2" = 1'-0"



F7 A502 CASEWORK SECTION - TRANSACTION COUNTER
SCALE: 1 1/2" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
064023.S	HIDDEN STEEL SUPPORT BRACKET
064116.A	BASE CABINET PLASTIC LAMINATE
064116.B	WALL CABINET PLASTIC LAMINATE
064116.E	PLASTIC LAMINATE DRAWER
064116.F	ADJUSTIBLE SHELVING
064116.S	PLASTIC LAMINATE FILLER PANEL
064116.X	CABINETRY HARDWARE
072100.C	UNFACED R-19 BATT INSULATION
092216.C	3-5/8 IN. METAL STUD
092216.O	METAL CHANNEL
092900.B	5/8 IN. GWB
113013.A	RESIDENTIAL APPLIANCES
123661.A	SOLID SURFACE COUNTERTOPS
123661.D	QUARTZ AGGLOMERATE COUNTERTOP
123661.E	SOLID SURFACE BACKSPLASH
265100.A	INTERIOR LIGHTING - SEE 'E' SHEETS

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

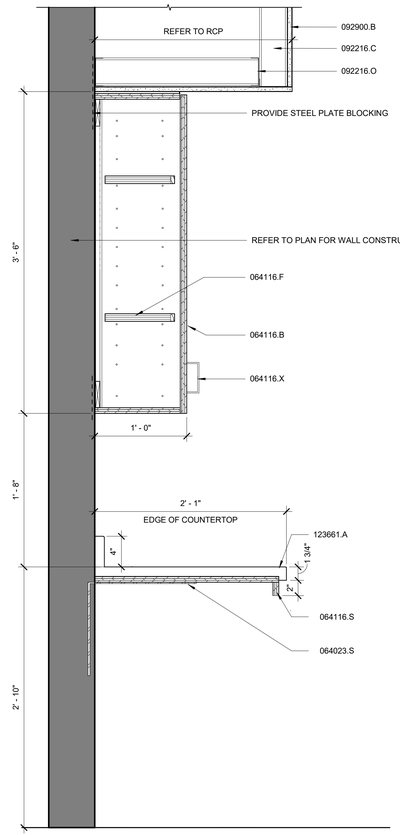
CASEWORK SECTIONS

SHEET NAME

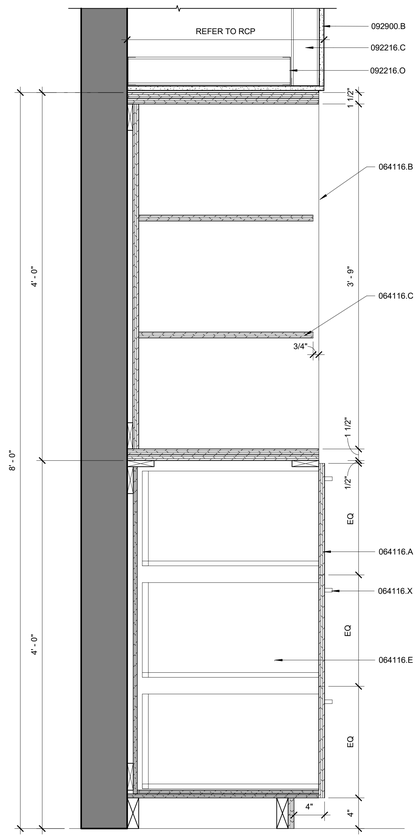
PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 1 1/2" = 1'-0"

A502

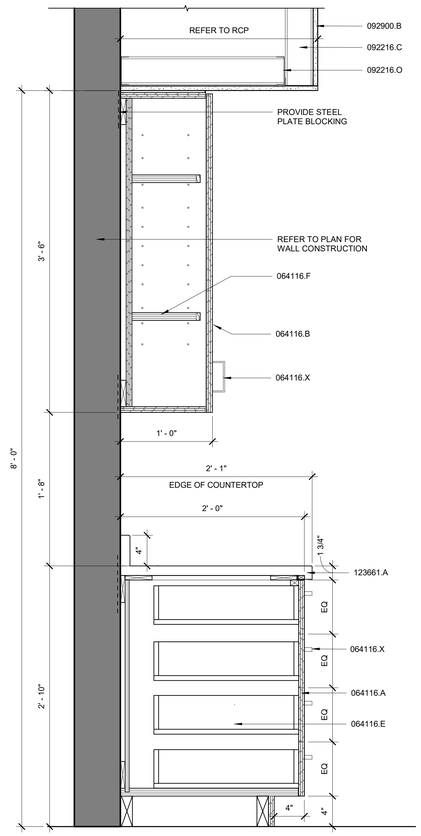
1/13/2025 8:16:35 AM



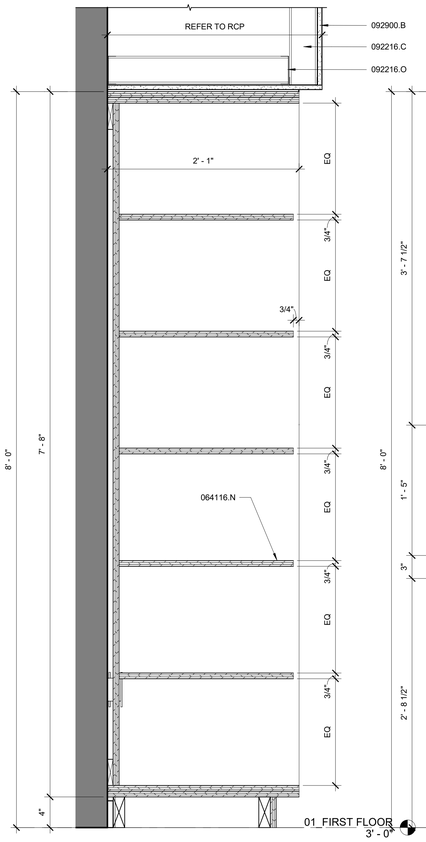
D1 A503 CASEWORK SECTION - WALL-MOUNTED COUNTER TOP
SCALE: 1 1/2" = 1'-0"



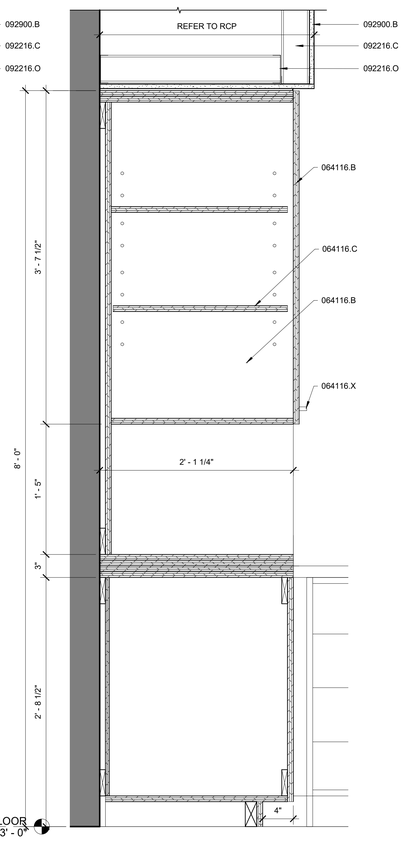
D2 A503 CASEWORK SECTION - STORAGE DRAWERS W/ OPEN SHELVING
SCALE: 1 1/2" = 1'-0"



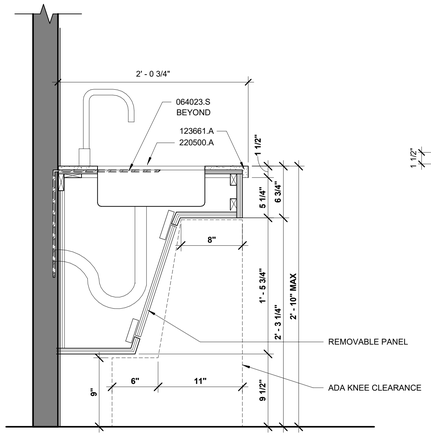
D4 A503 CASEWORK SECTION - BASE CABINET W/ UPPER CABINETS
SCALE: 1 1/2" = 1'-0"



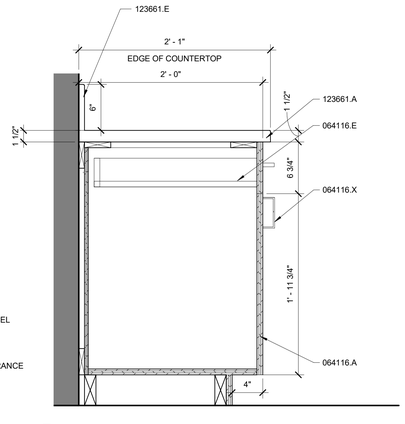
D6 A503 CASEWORK SECTION - OPEN SHELVING
SCALE: 1 1/2" = 1'-0"



D7 A503 CASEWORK SECTION - CORNER CABINET
SCALE: 1 1/2" = 1'-0"



F1 A503 CASEWORK SECTION - ADA SINK
SCALE: 1 1/2" = 1'-0"



F2 A503 CASEWORK SECTION - BASE CABINET W/ TOP DRAWER - 36"
SCALE: 1 1/2" = 1'-0"

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CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
064023.S	HIDDEN STEEL SUPPORT BRACKET
064116.A	BASE CABINET PLASTIC LAMINATE
064116.B	WALL CABINET PLASTIC LAMINATE
064116.C	PLASTIC LAMINATE FIXED SHELVING
064116.E	PLASTIC LAMINATE DRAWER
064116.F	ADJUSTIBLE SHELVING
064116.N	OPEN SHELVING
064116.S	PLASTIC LAMINATE FILLER PANEL
064116.X	CABINETRY HARDWARE
092216.C	3-5/8 IN. METAL STUD
092216.O	METAL CHANNEL
092900.B	5/8 IN. GWB
123661.A	SOLID SURFACE COUNTERTOPS
123661.E	SOLID SURFACE BACKSPLASH
220500.A	PLUMBING FIXTURES - SEE 'P' SHEETS

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

CASEWORK SECTIONS

SHEET NAME

PROJECT NUMBER 23001
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SCALE 1 1/2" = 1'-0"

A503

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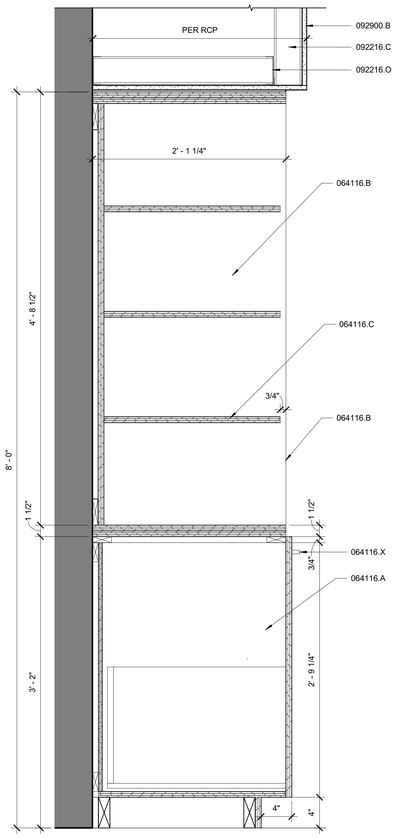
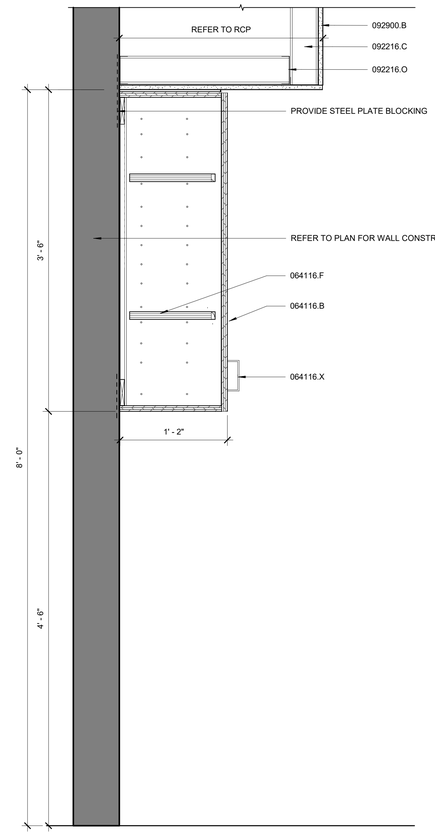
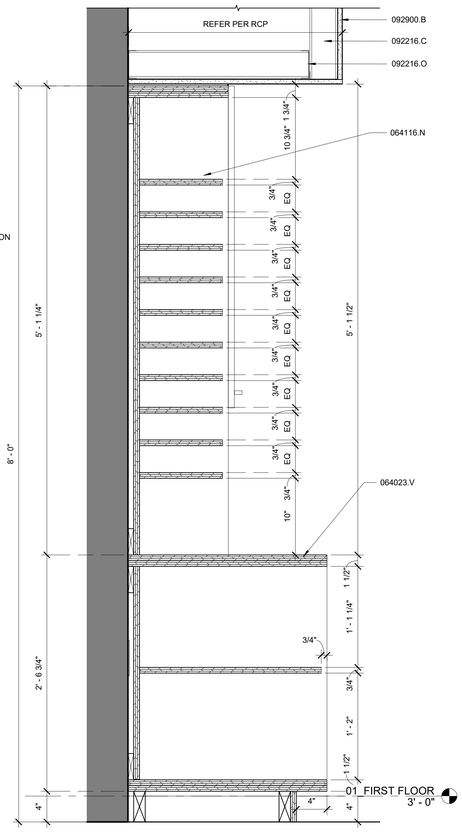


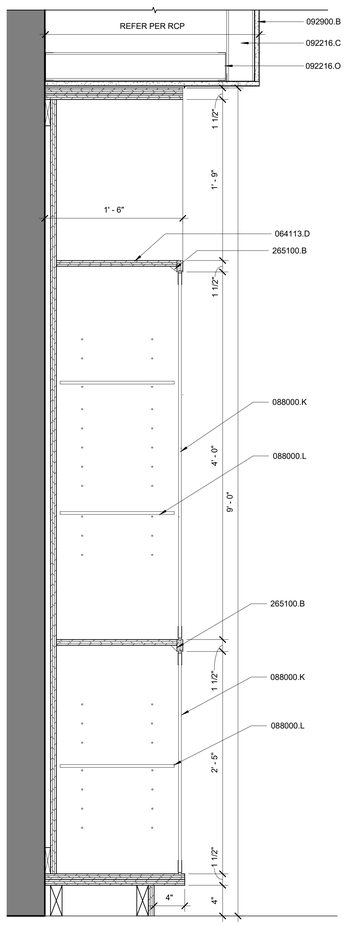
D1 A504 CASEWORK SECTION - BASE CABINET W/ OPEN SHELVING
SCALE: 1 1/2" = 1'-0"



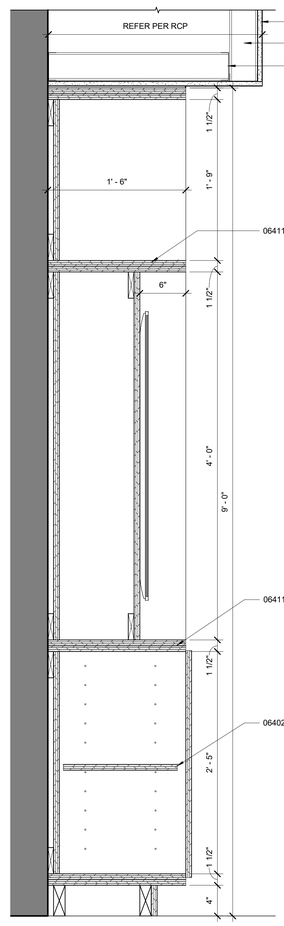
D2 A504 CASEWORK SECTION - UPPER CABINETS
SCALE: 1 1/2" = 1'-0"



D4 A504 CASEWORK SECTION - MAILSLOTS W/ OPEN SHELVING
SCALE: 1 1/2" = 1'-0"



D6 A504 CASEWORK SECTION - LOBBY GLASS DISPLAY CASES
SCALE: 1 1/2" = 1'-0"



D7 A504 CASEWORK SECTION - LOBBY TV WALL UNIT
SCALE: 1 1/2" = 1'-0"

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REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
064023.U	WOOD ADJUSTABLE SHELF - STAINED
064023.V	MANUFACTURED WOOD CASEWORK - STAINED
064113.B	BASE CABINET
064113.D	OPEN SHELVING
064116.A	BASE CABINET PLASTIC LAMINATE
064116.B	WALL CABINET PLASTIC LAMINATE
064116.C	PLASTIC LAMINATE FIXED SHELVING
064116.F	ADJUSTIBLE SHELVING
064116.N	OPEN SHELVING
064116.X	CABINETRY HARDWARE
088000.K	3/8" TEMPERED GLASS DOOR
088000.L	3/8" TEMPERED GLASS ADJUSTABLE SHELF
092216.C	3-5/8 IN. METAL STUD
092216.O	METAL CHANNEL
092900.B	5/8 IN. GWB
265100.B	HIDDEN LED SHELF LIGHTING - SEE 'E' SHEETS

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

CASEWORK SECTIONS

SHEET NAME

PROJECT NUMBER 23001
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A504

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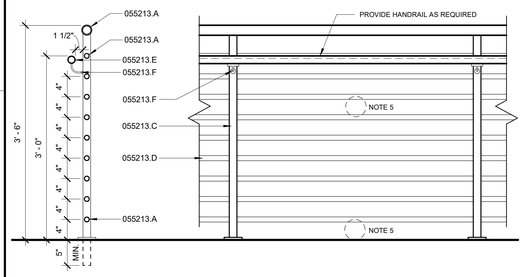
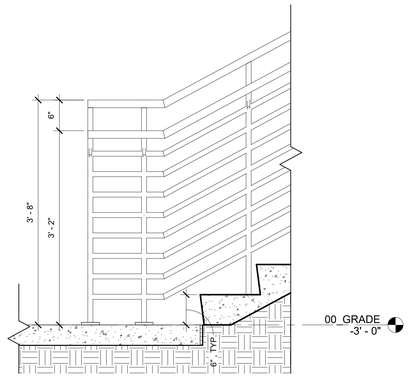
STAIR RAILING - DETAILS



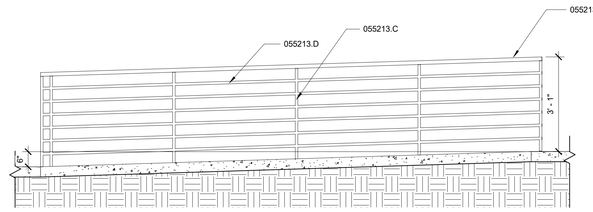
B1 / A510 TYPICAL RAILING DETAIL
SCALE: 1" = 1'-0"

STAIR RAILING - DETAILS

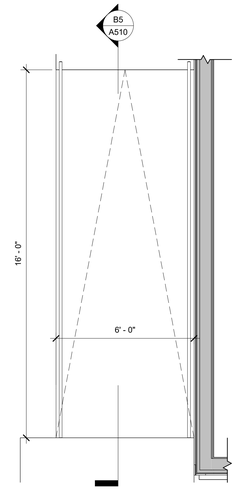


B3 / A510 FRONT ENTRANCE - STAIR CROSS SECTION 02
SCALE: 1" = 1'-0"

STAIR RAILING - DETAILS

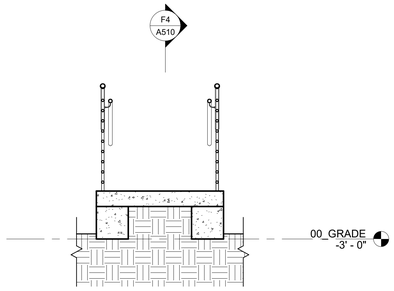


B5 / A510 SECTION THROUGH SIDEWALK RAMP
SCALE: 1/2" = 1'-0"



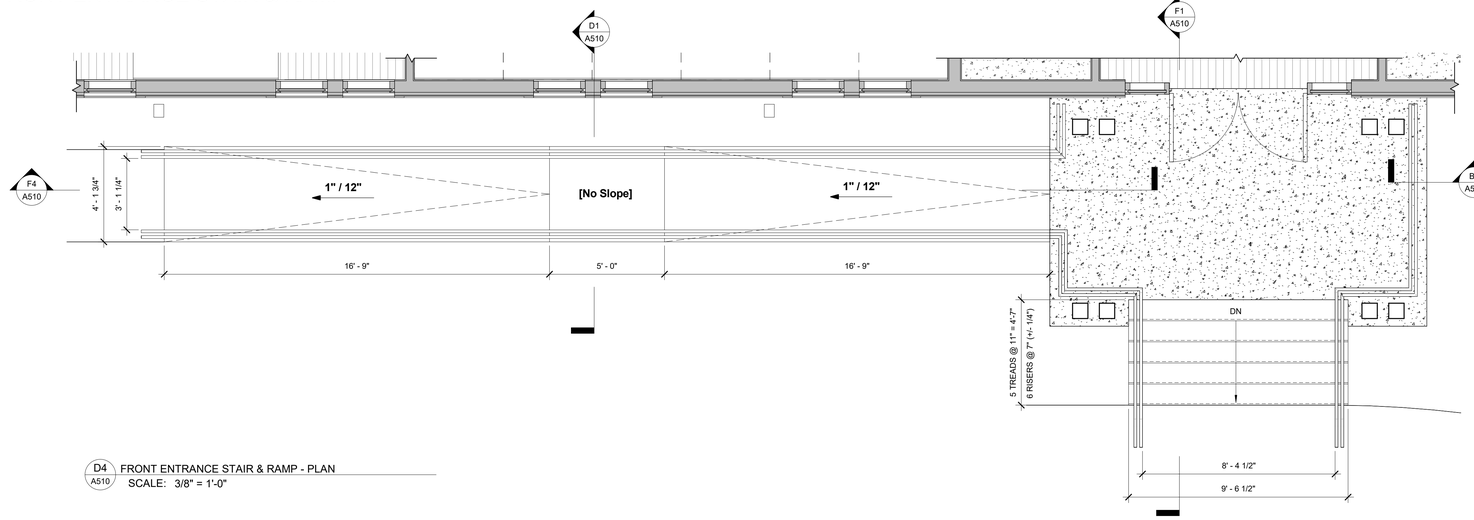
B7 / A510 SIDEWALK RAMP - PLAN
SCALE: 3/8" = 1'-0"

FRONT ENTRANCE - RAMP SECTION



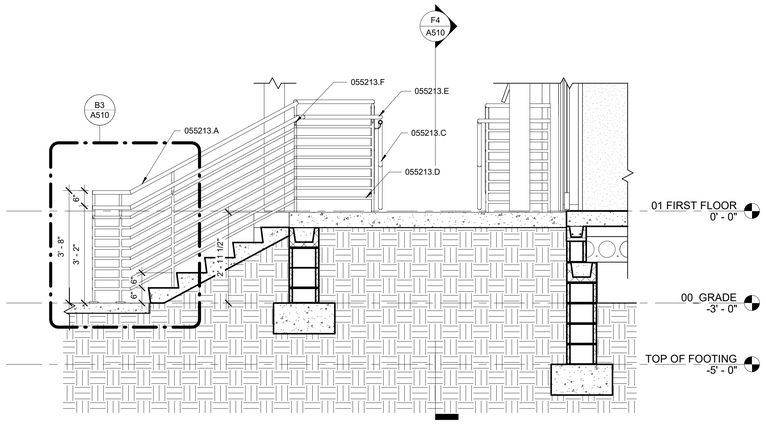
D1 / A510 FRONT ENTRANCE - RAMP CROSS SECTION
SCALE: 1/2" = 1'-0"

FRONT ENTRANCE STAIR & RAMP



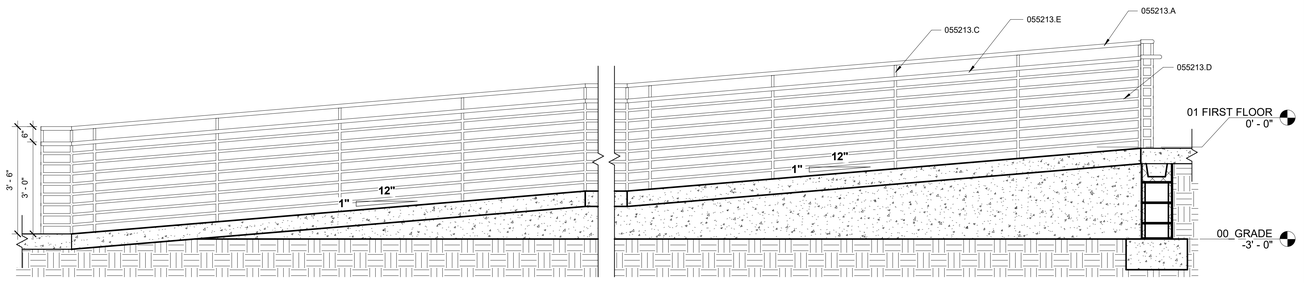
D4 / A510 FRONT ENTRANCE STAIR & RAMP - PLAN
SCALE: 3/8" = 1'-0"

FRONT ENTRANCE - STAIR SECTION



F1 / A510 FRONT ENTRANCE - STAIR CROSS SECTION
SCALE: 1/2" = 1'-0"

FRONT ENTRANCE - RAMP SECTION



F4 / A510 FRONT ENTRANCE - RAMP LONGITUDINAL SECTION
SCALE: 1/2" = 1'-0"

SEALS

NOTES:

1. SEE STRUCTURAL DRAWINGS FOR FOOTING SIZE AND REINFORCING.
2. SEE STRUCTURAL DRAWINGS FOR WALL REINFORCING.
3. STEP CMU AS NECESSARY BELOW RAMP.
4. PROVIDE DAMPROOFING AND PROTECTION BOARD AT AREAS BELOW GRADE, BUT ABOVE ADJACENT RAMP.
5. ALL RAILING PICKETS SHALL BE SPACED SO THAT A 4" SPHERE CANNOT PASS THROUGH.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
055213.A	PIPE AND TUBE RAILINGS
055213.C	WELDED ALUM PIPE RAILING
055213.D	WELDED ALUMINUM RUNNER
055213.E	1 1/2" PIPE HANDRAIL
055213.F	METAL HANDRAIL SUPPORT

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

CIRCULATION DETAILS

SHEET NAME

PROJECT NUMBER 23001
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A510

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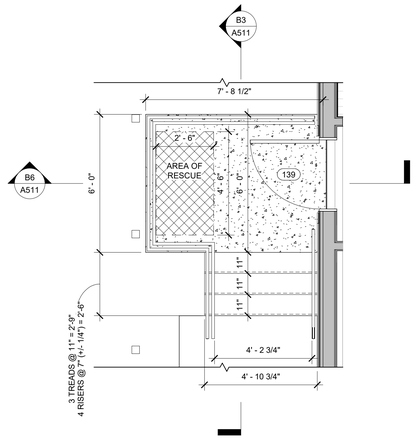
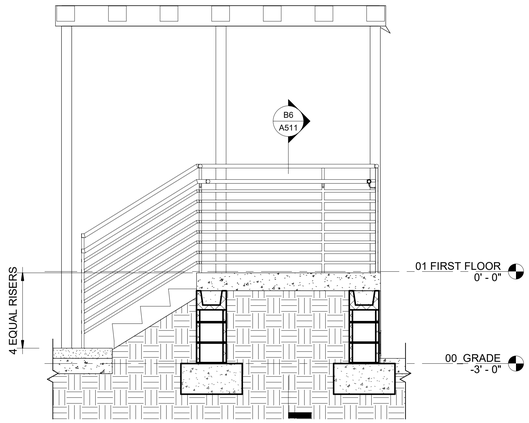
EXIT STAIR @ HALL - ENLARGED PLAN

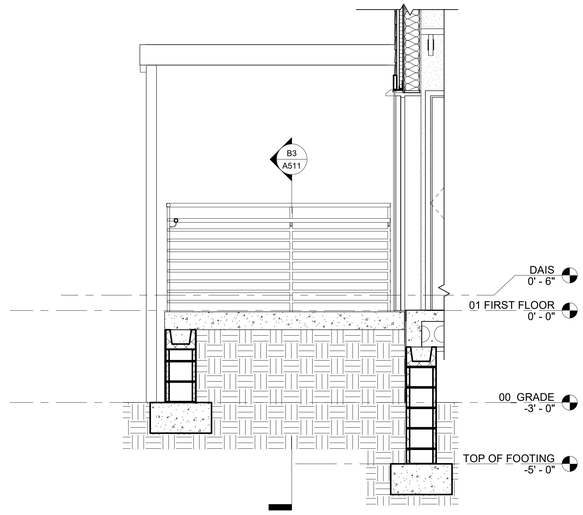


B1 / A511 EXIT STAIR @ HALL - ENLARGED PLAN
SCALE: 3/8" = 1'-0"

EXIT STAIR @ HALL - SECTIONS & DETAILS

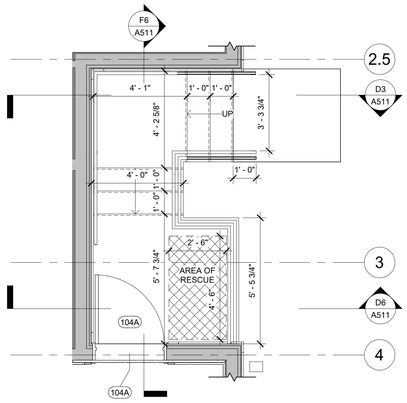


B3 / A511 EXIT STAIR @ HALL - LONGITUDINAL SECTION
SCALE: 1/2" = 1'-0"



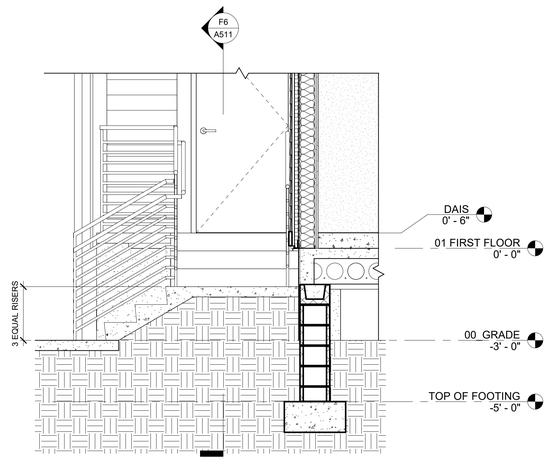
B6 / A511 EXIT STAIR @ HALL - CROSS SECTION
SCALE: 1/2" = 1'-0"

EXIT STAIR @ CHAMBERS - ENGLARGED PLAN

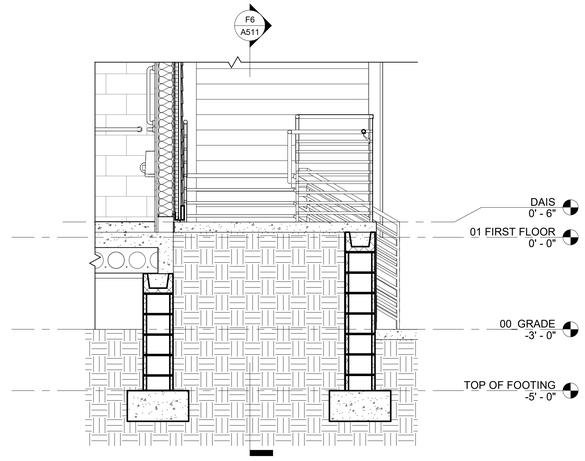


D1 / A511 EXIT STAIR @ CHAMBERS - ENLARGED PLAN
SCALE: 3/8" = 1'-0"

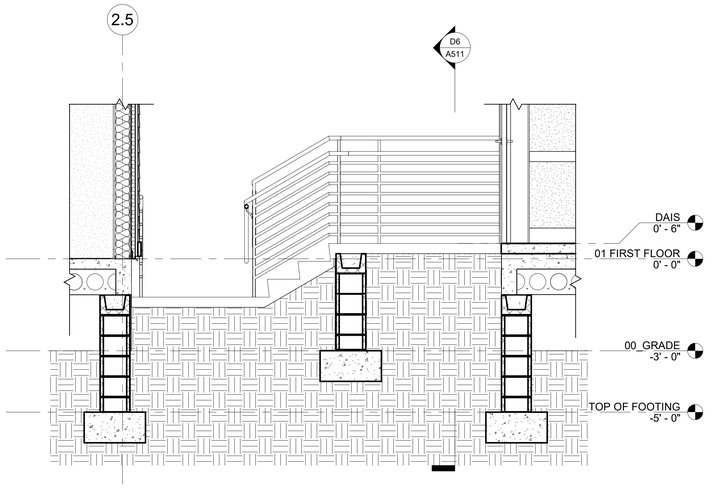
EXIT STAIR @ CHAMBERS - SECTIONS & DETAILS



D3 / A511 EXIT STAIR @ CHAMBERS - CROSS SECTION 02
SCALE: 1/2" = 1'-0"



D6 / A511 EXIT STAIR @ CHAMBERS - CROSS SECTION 01
SCALE: 1/2" = 1'-0"



F6 / A511 CHAMBERS EXIT STAIR - SECTION 03
SCALE: 1/2" = 1'-0"

STATE OF SOUTH CAROLINA
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CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

CIRCULATION DETAILS

SHEET NAME

PROJECT NUMBER 23001
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DATE 01/10/2025
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A511

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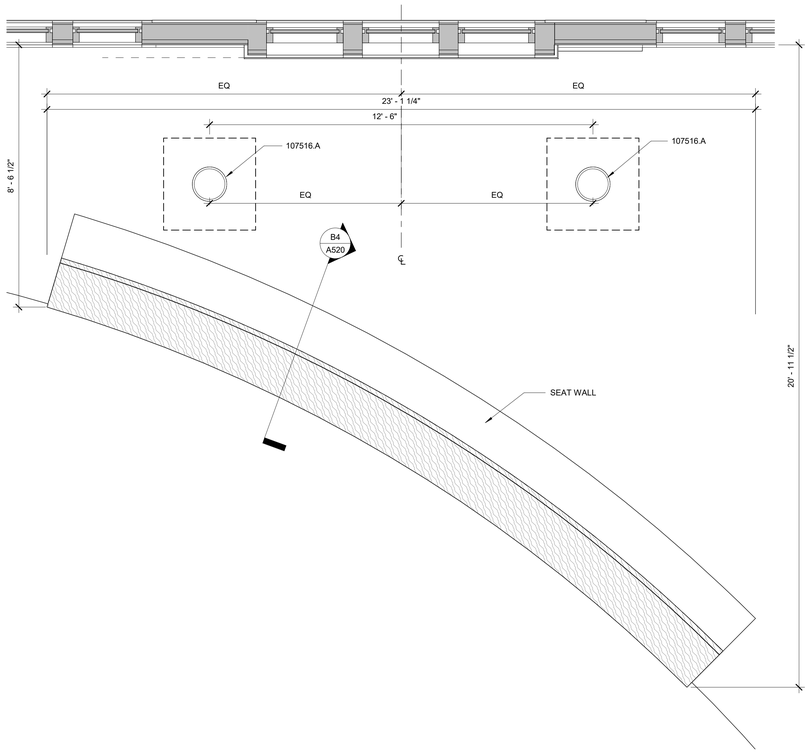
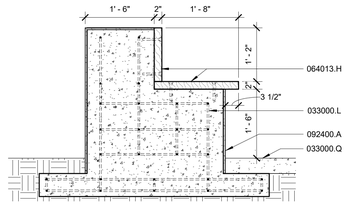


D1 A520 ENLARGED PLANTER PLAN
SCALE: 1/2" = 1'-0"



B4 A520 SECTION DETAIL - SEAT WALL
SCALE: 3/4" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC
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STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
033000.L	CAST IN PLACE CONCRETE- SEE 'S' SHEETS
033000.Q	CONCRETE SIDEWALK - SEE 'C' SHEETS
064013.H	TREATED WOOD BENCH & SEATBACK
092400.A	PORTLAND CEMENT PLASTERING
107516.A	FLAGPOLES

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
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CHARLESTON, SC 29412
843.577.6073

HARDSCAPE DETAILS

SHEET NAME

PROJECT NUMBER: 23001
DRAWN BY: Author
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DATE: 01/10/2025
SCALE: As indicated

A520

1/13/2025 8:16:41 AM

DOOR SCHEDULE

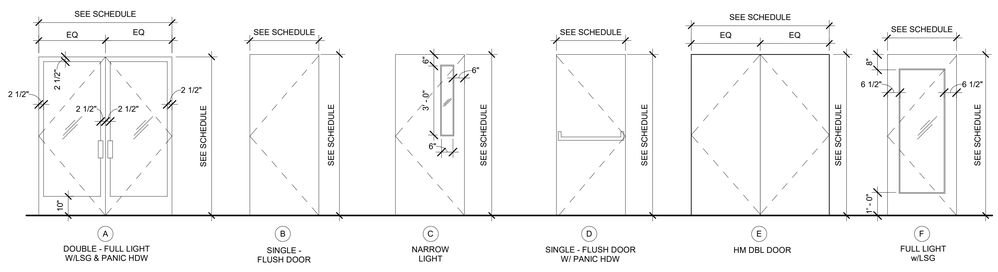
DOOR NUMBER	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR FINISH	FIRE RATING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME JAMB	FRAME HEAD	COMMENTS
100	G	6' - 0"	7' - 0"	0' - 2"	ALUMINUM & GLASS	ANODIZED BLACK		SF-D	ALUMINUM	ANODIZED BLACK		H11	
101	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
102A	G	6' - 0"	7' - 0"	0' - 2"	ALUMINUM & GLASS	ANODIZED BLACK		SF-K	ALUMINUM	ANODIZED BLACK		H12	
102B	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J5	H5	
103	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J6	H6	
104A	D	3' - 0"	7' - 0"	0' - 1 3/4"	FRP	PAINT		SF-G	HM		J9	H9	
104B	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J7	H7	
105A	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
105B	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J8	H8	
106	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
107	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
108	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
109	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
110	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
111	E	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINT		1	HM	PAINT	J4	H4	
112	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
113	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	PAINT		1	HM	PAINT	J4	H4	
114	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
115	F	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD & GLASS	STAIN		1	HM	PAINT	J4	H4	
116	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
117	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
118	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
119	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
120	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
121	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
122	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
123	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
124	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J5	H5	
125	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
126	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J5	H5	
127	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
128	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J5	H5	
129	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN	1.5 HR	1	HM	PAINT	J4	H4	
130	E	6' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
131	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	
132	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J5	H5	
133	F	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD & GLASS	STAIN		2	HM	PAINT	J4	H4	
134	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J5	H5	
135	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN	1.5 HR	1	HM	PAINT	J4	H4	
136	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
137	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J7	H7	
138	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		2	HM	PAINT	J4	H4	
139	C	3' - 0"	7' - 0"	0' - 1 3/4"	FRP	PAINT		SF-G	HM			H12	
140	B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	STAIN		1	HM	PAINT	J4	H4	

DOOR SCHEDULE LEGEND:

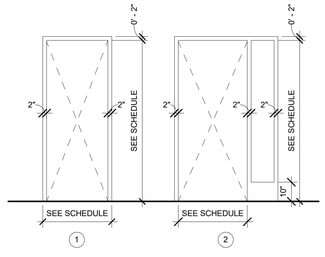
HM: HOLLOW METAL
WD: WOOD

TEMP: TEMPERED GLASS
LSG: LAMINATED SAFETY GLASS
FG: FIRE GLASS
DBL: DOUBLE DOORS

DOOR TYPES

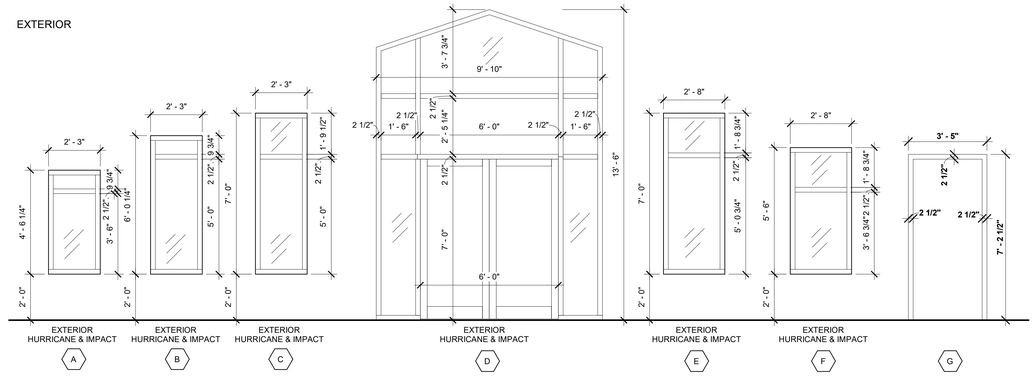


FRAME TYPES

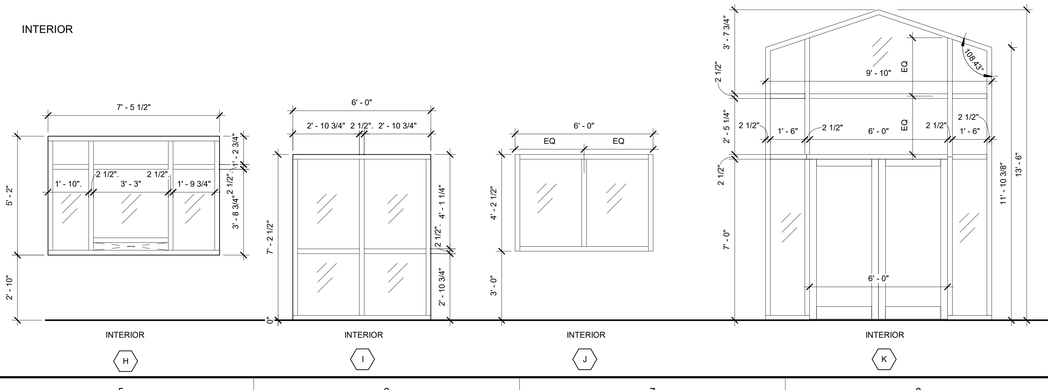


STOREFRONT TYPES

EXTERIOR



INTERIOR



NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

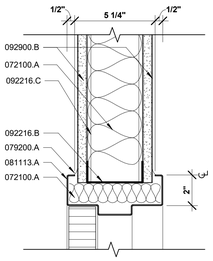
DOOR, DOOR FRAME, & STOREFERONT SCHEDULE

SHEET NAME

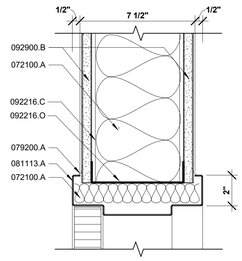
PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE 3/8" = 1'-0"

A601

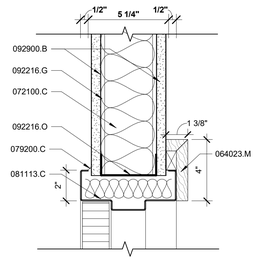
1/13/2025 8:16:41 AM



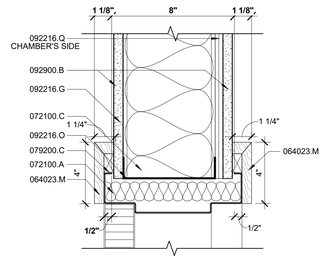
B1 / A602 H4 HEAD DETAIL
SCALE: 3" = 1'-0"



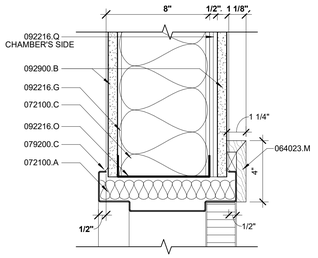
B2 / A602 H5 HEAD DETAIL
SCALE: 3" = 1'-0"



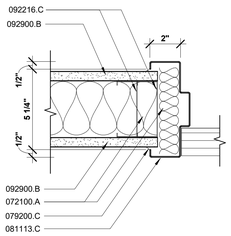
B3 / A602 H6 HEAD DETAIL
SCALE: 3" = 1'-0"



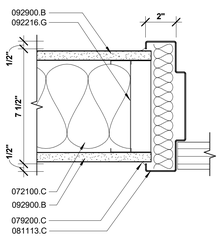
B4 / A602 H7 HEAD DETAIL
SCALE: 3" = 1'-0"



B6 / A602 H8 HEAD DETAIL
SCALE: 3" = 1'-0"



C1 / A602 J4 JAMB DETAIL
SCALE: 3" = 1'-0"



C2 / A602 J5 JAMB DETAIL
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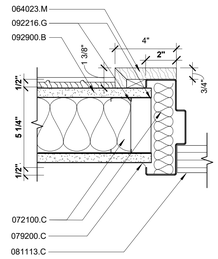

C3 / A602 J6 JAMB DETAIL
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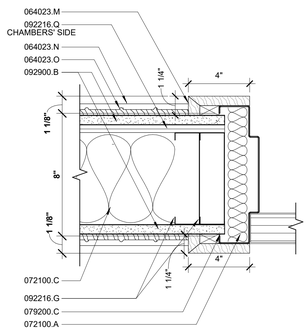

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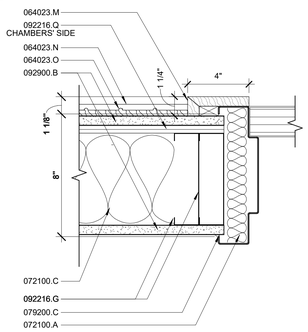

C6 / A602 J8 JAMB DETAIL
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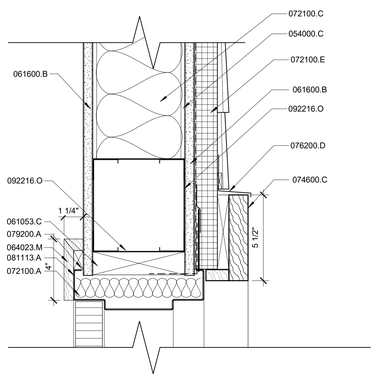
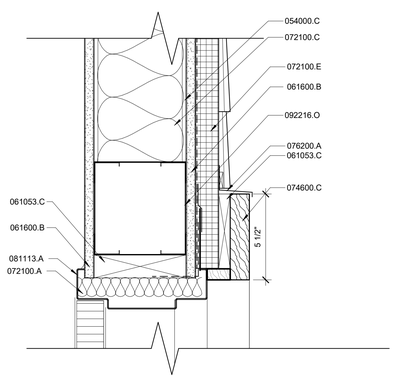
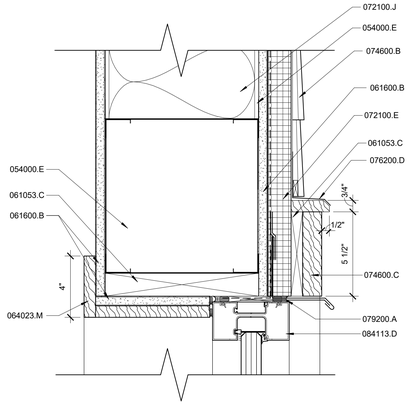


E1 / A602 H9 HEAD DETAIL
SCALE: 3" = 1'-0"



E2 / A602 H10 HEAD DETAIL
SCALE: 3" = 1'-0"



E4 / A602 H11 HEAD DETAIL
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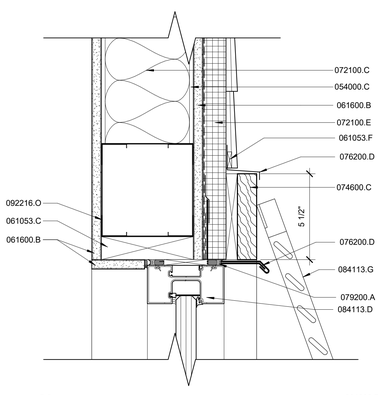
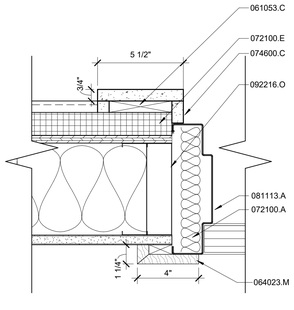
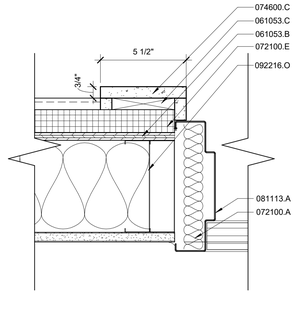


E6 / A602 H12 HEAD DETAIL
SCALE: 3" = 1'-0"



F1 / A602 J9 JAMB DETAIL
SCALE: 3" = 1'-0"



F2 / A602 J10 JAMB DETAIL
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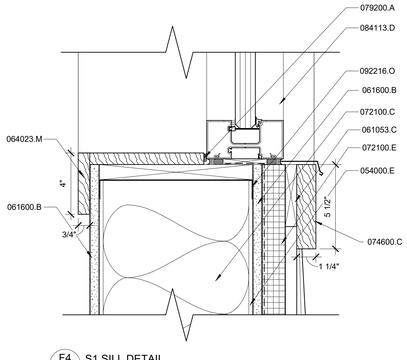
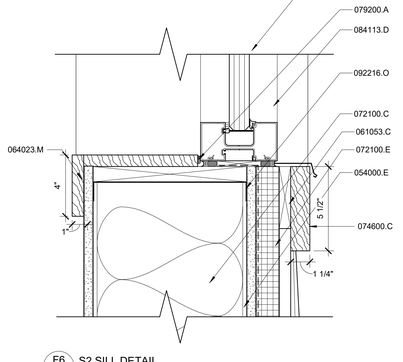
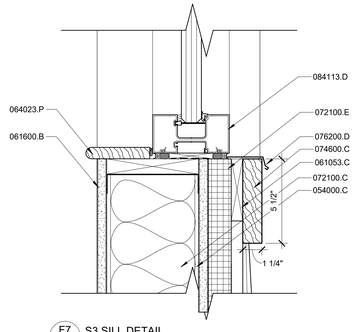


F4 / A602 S1 SILL DETAIL
SCALE: 3" = 1'-0"



F6 / A602 S2 SILL DETAIL
SCALE: 3" = 1'-0"



F7 / A602 S3 SILL DETAIL
SCALE: 3" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
054000.C	6 IN. COLD FORMED METAL FRAMING
054000.E	10 IN. COLD FORMED METAL FRAMING
061053.B	1/2 IN. PLYWOOD - PRESSURE TREATED
061053.C	WOOD BLOCKING - PRESSURE TREATED
061053.F	WOOD STARTER STRIP - PRESSURE TREATED
061600.B	GYPSUM SHEATHING
064023.M	WOOD TRIM - PAINTED
064023.N	6" WOOD BASEBOARD - PAINTED
064023.O	BEADBOARD PANEL - PAINTED
064023.P	WOOD SILL - PAINTED
072100.A	THERMAL INSULATION
072100.C	UNFACED R-19 BATT INSULATION
072100.E	1-1/2 IN. RIGID INSULATION
072100.J	R-21 BATT INSULATION EXT WALLS UNFACED
074600.B	CEMENTITIOUS PLANK SIDING
074600.C	CEMENTITIOUS TRIM
076200.A	SHEET METAL FLASHING AND TRIM
076200.D	PREFINISHED METAL FLASHING
079200.A	JOINT SEALANTS
079200.C	LATEX JOINT SEALANT
081113.A	HOLLOW METAL DOORS AND FRAMES
081113.C	STEEL FRAME
084113.D	ALUMINUM FRAMED STOREFRONT WINDOW
084113.G	ALUMINUM BERMUDA SHUTTERS - PREFINISHED
092216.B	STEEL FRAMING
092216.C	3-5/8 IN. METAL STUD
092216.G	6 IN. METAL STUD
092216.O	METAL CHANNEL
092216.Q	1/2 IN. RESILIENT CHANNEL FURRING
092900.B	5/8 IN. GWB

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. 4" HEAD SHOWN. SEE SCHEDULE FOR 4" HEAD & 2" HEAD LOCATION
2. PACK METAL FRAME WITH SOUND BATT INSULATION.
3. SEE SHEET F1/A600 FOR TYPICAL WINDOW FLASHING DETAIL.
4. GROUND FACE AT ALL EXPOSED SURFACES
5. JAMB EXTRUSION BY FLOOD PROOFING SYSTEM PROVIDED
6. SHROUD COVER BY FLOOR PROOFING SYSTEM PROVIDER
7. STACKING, INTERLOCKING FLOODPROOFING PANELS
8. SET FLOOD GATE FLUSH WITH FLOOR.
9. BEAM ABOVE CEILING. SEE STRUCTURAL DRAWINGS.
10. CMU LINTEL ABOVE CEILING.
11. SEE PLAN DIMENSIONS AT ELEVATOR SHAFT.
12. WOOD BASE BELOW.

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

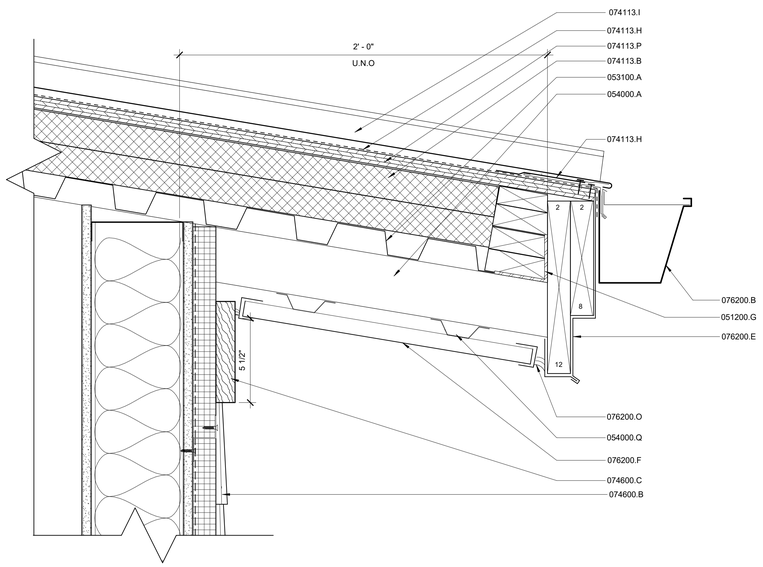
HEAD, JAMB, & SILL DETAILS

SHEET NAME

PROJECT NUMBER 23001
DRAWN BY RCA, RMP
CHECKED BY KH
DATE 01/10/2025
SCALE 3" = 1'-0"

A602

1/13/2025 8:16:42 AM



C1 A610 TYPICAL WALL SECTION 01-FULL - Callout 1
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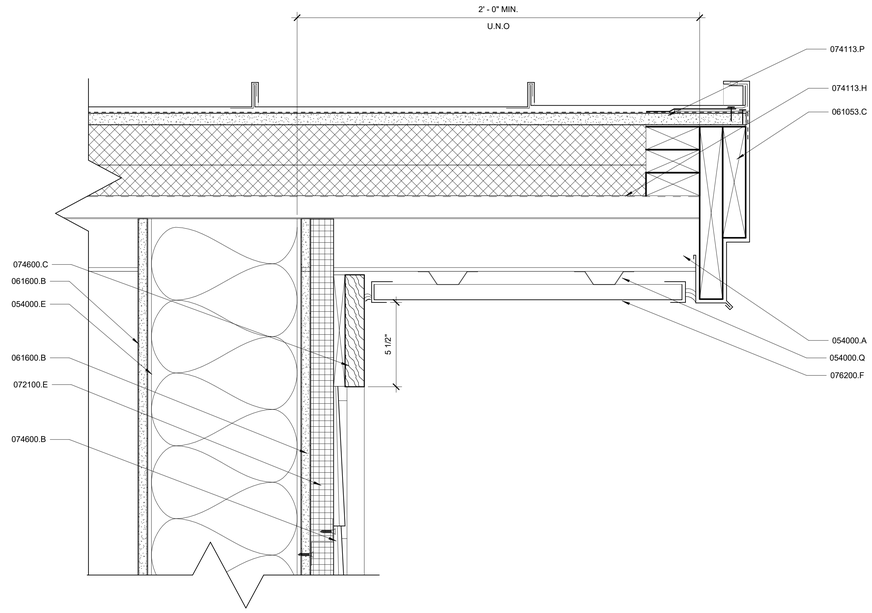
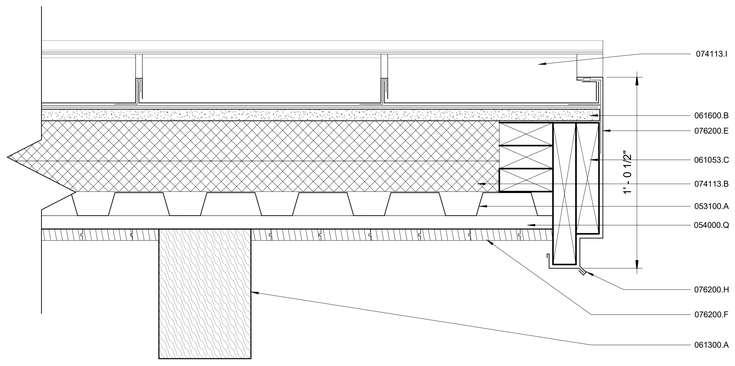
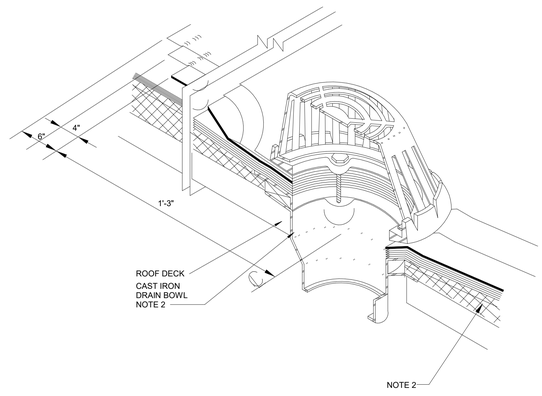


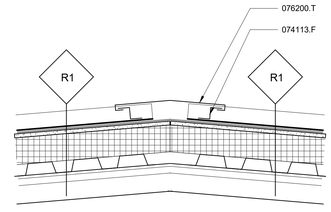
C4 A610 BUILDING SECTION THROUGH CHAMBERS & EXECUTIVE OFFICES - Callout 1 - Callout 2
SCALE: 3" = 1'-0"



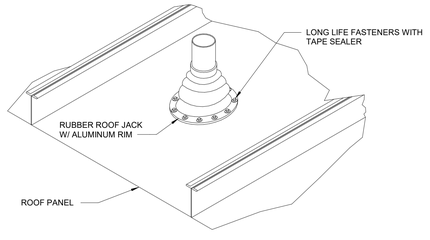
E1 A610 TYPICAL CANOPY ROOF SECTION
SCALE: 3" = 1'-0"



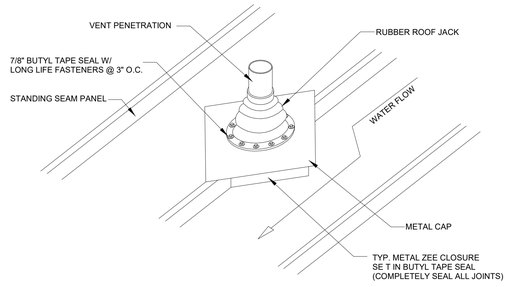
E5 A610 ROOF DRAIN DETAILS - SEE PLUMBING DRAWINGS FOR OVERFLOW DRAIN
SCALE: 3/4" = 1'-0"



E7 A610 TYP. RIDGE DETAIL
SCALE: 1 1/2" = 1'-0"



F5 A610 TYP. VENT THROUGH ROOF
SCALE: 1 1/2" = 1'-0"



F7 A610 ALT. PIPE BOOT
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
051200.G	STEEL ANGLE - SEE 'S' SHEETS
053100.A	STEEL DECKING - SEE 'S' SHEETS
054000.A	COLD FORM METAL FRAMING SEE 'S' SHEETS
054000.E	10 IN. COLD FORMED METAL FRAMING
054000.Q	GALVANIZED HAT CHANNEL
061053.C	WOOD BLOCKING - PRESSURE TREATED
061300.A	HEAVY TIMBER CONSTRUCTION - SEE 'S' SHEETS
061600.B	GYPSUM SHEATHING
072100.E	1-1/2 IN. RIGID INSULATION
074113.B	POLYISOCYANURATE BOARD INSULATION
074113.F	THERMAL SPACER
074113.H	SELF-ADHERING SHEET UNDERLAYMENT
074113.I	STANDING SEAM METAL ROOF
074113.P	COVER BOARD
074600.B	CEMENTITIOUS PLANK SIDING
074600.C	CEMENTITIOUS TRIM
076200.B	PREFINISHED GUTTER
076200.E	PREFINISHED METAL FASCIA
076200.F	PREFINISHED METAL SOFFIT
076200.H	PREFINISH TRIM
076200.O	PREFIN. METAL EXPANSION JOINT ASSEMBLY
076200.T	PREFINISHED ALUMINUM RIDGECAP

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

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2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

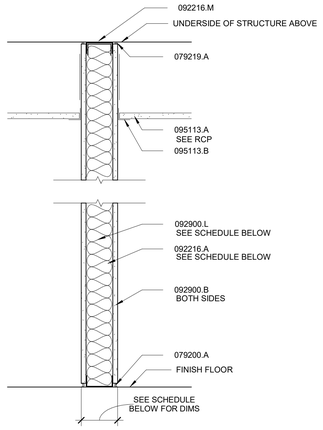
ROOF DETAILS

SHEET NAME

PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE As indicated

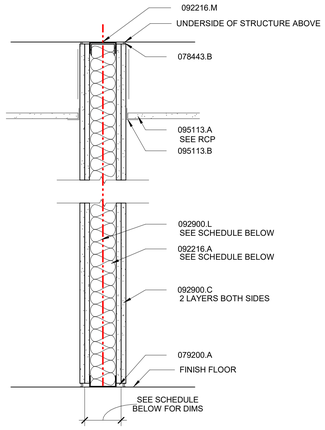
A610

1/13/2025 8:16:43 AM



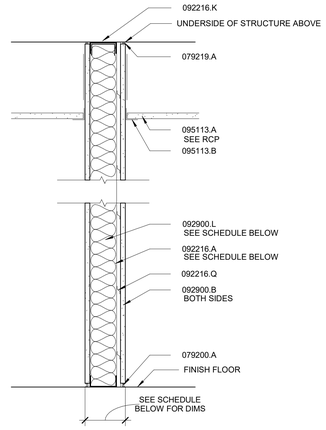
TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
A1	3 5/8"	4 7/8"	3" / 45-49	
A2	6"	7 1/4"	5" / 49-51	

A A620 NON-RATED FULL HEIGHT GWB
SCALE: 1 1/2" = 1'-0"



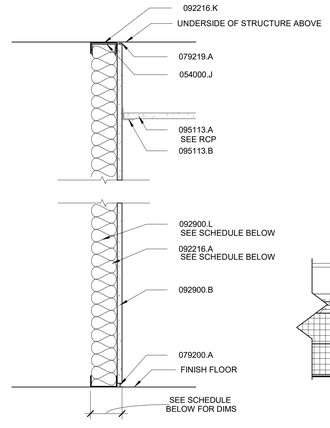
TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	KEYED NOTES	UL#
B1	3 5/8"	6 1/8"	3" / 52-56		UL419
B2	6"	8 1/2"	5" / 54-58		UL419

B A620 2 HR RATING
SCALE: 1 1/2" = 1'-0"



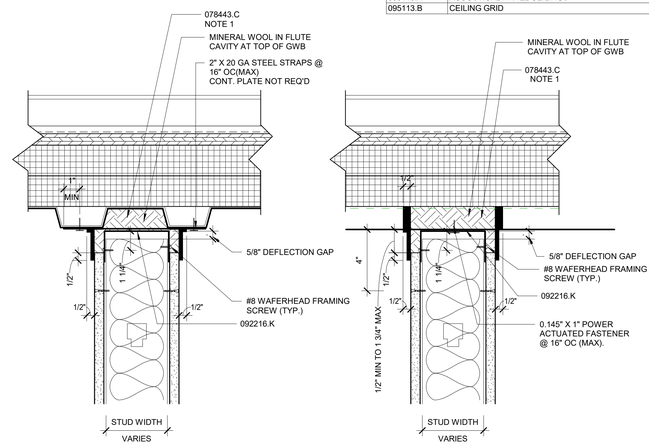
TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
C1	3 5/8"	4 7/8"	3" / 45-49	
C2	6"	7 3/4"	5" / 53-57	

C A620 6" STUD - GWB W/ RC
SCALE: 1 1/2" = 1'-0"

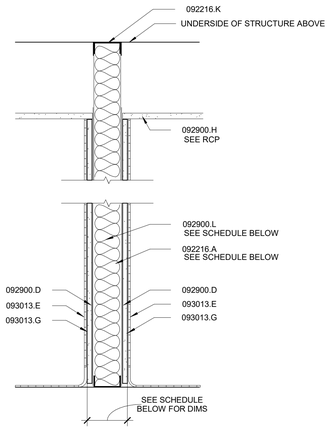


TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
D1	3 5/8"	4 1/4"	3"	
D2	6"	6 5/8"	3"	

D A620 NON RATED - FULL HEIGHT GYP AGAINST EXISTING
SCALE: 1 1/2" = 1'-0"

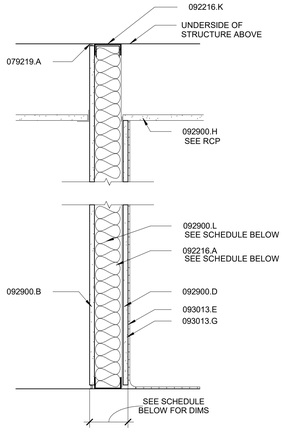


C6 A620 TYP HEAD OF WALL DETAILS - BASED ON HW-D-0042 - PROVIDE SYSTEM COMPLYING WITH UL - 2709
SCALE: 3" = 1'-0"



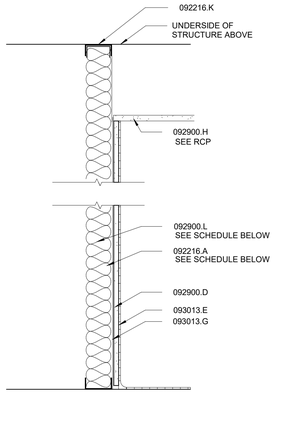
TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
G1	3 5/8"	4 7/8"	3"	

E A620 NON RATED - FULL HEIGHT GYP W/ CERAMIC TILE ON BOTH SIDES
SCALE: 1 1/2" = 1'-0"



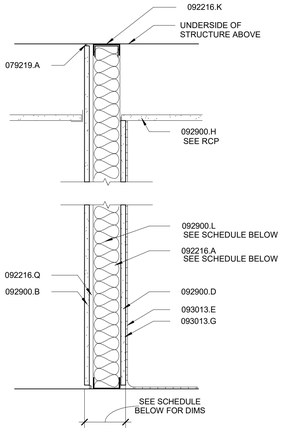
TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
E1	3 - 5/8"	5"	3"	
E2	6"	7 - 1/4"	3"	

F A620 NON RATED - FULL HEIGHT GYP W/ CERAMIC TILE
SCALE: 1 1/2" = 1'-0"



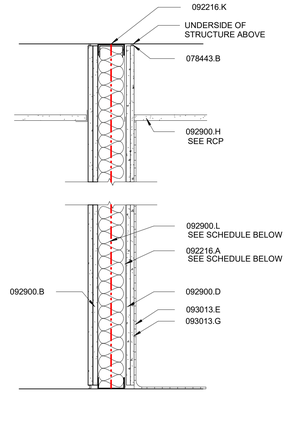
TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
F1	3 - 5/8"	4 - 1/2"	3"	

G A620 NON RATED - FULL HEIGHT GYP & CERAMIC TILE ONE SIDE
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
H1	3 - 5/8"	5 - 1/2"	3"	
H2	6"	7 - 3/4"	3"	

H A620 NON RATED - FULL HEIGHT GYP W/ CERAMIC TILE ONE SIDE
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	INSUL/ STC	
I1	3 - 5/8"	5"	3"	
I2	6"	7 - 1/4"	3"	

I A620 2-HR RATED - FULL HEIGHT GYP W/ CERAMIC TILE ONE SIDE
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
054000.J	2 IN. COLD FORMED METAL FRAMING
078443.B	FIRE-RESISTIVE JOINT SEALANT
078443.C	FIRE-RESISTIVE JOINT SPRAY
079200.A	JOINT SEALANTS
079219.A	ACOUSTICAL JOINT SEALANT
092216.A	NON-STRUCTURAL METAL FRAMING
092216.K	DEFLECTION TRACK
092216.M	FIRE RATED DEFLECTION TRACK
092216.Q	1/2 IN. RESILIENT CHANNEL FURRING
092900.B	5/8 IN. GWB
092900.C	5/8 IN. TYPE 'X' GWB
092900.D	5/8 IN. CEMENTITIOUS BACKER UNIT
092900.H	1/2" GYPSUM CEILING BOARD
092900.L	SOUND ATTENUATION ACOUSTIC BATTS
093013.E	CERAMIC TILE
093013.G	4 MIL. POLY WATERPROOF MEMBRANE
095113.A	ACOUSTICAL PANEL CEILINGS
095113.B	CEILING GRID

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CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

1. REQUIRED FOR FIRE-RATED ASSEMBLIES

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

PARTITION TYPES

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	As indicated

A620

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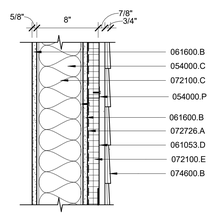
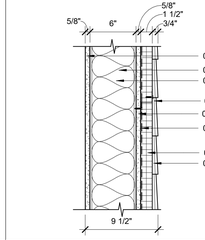


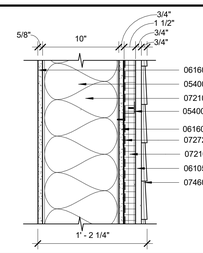
WALL CONSTRUCTION TYPE W1

6" STUD W/ FURRING & LAP-SIDING



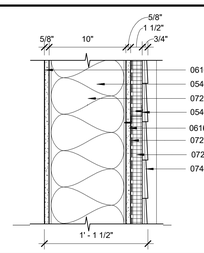
WALL CONSTRUCTION TYPE W2

6" STUD W/ SHAKE SIDING



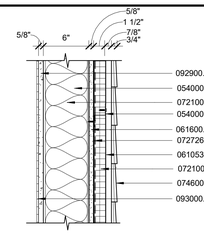
WALL CONSTRUCTION TYPE W3

10" STUD W/ FURRING & LAP-SIDING



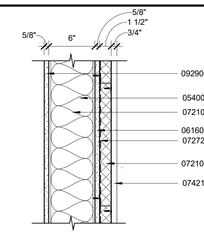
WALL CONSTRUCTION TYPE W4

10" STUD W/ SHAKE SIDING



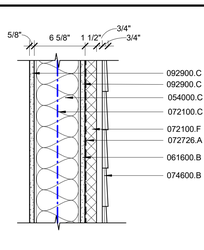
WALL CONSTRUCTION TYPE W5

6" STUD W/ CERAMIC TILE & CEMENTITIOUS BOARD



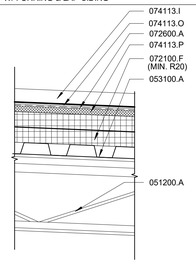
WALL CONSTRUCTION TYPE W6

6" STUD W/ CORRUGATED METAL SIDING



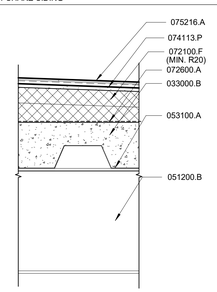
WALL CONSTRUCTION TYPE W7

1-HR RATED 6" STUD W/ FURRING & LAP-SIDING



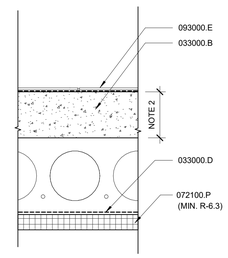
ROOF CONSTRUCTION TYPE R1

STANDING SEAM ON RIGID INSULATION



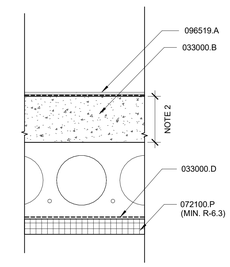
ROOF CONSTRUCTION TYPE R2

MODIFIED BUTIMINOUS MEMBRANE ON RIGID INSULATION



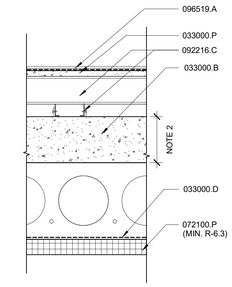
FLOOR CONSTRUCTION TYPE F1

SLAB W/ THIN SET TILE



FLOOR CONSTRUCTION TYPE F2

SLAB W/ LVT



FLOOR CONSTRUCTION TYPE F3

SLAB W/ STRUCTURAL CONCRETE PANEL

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
033000.B	CONCRETE SLAB- SEE 'S' SHEETS
033000.D	VAPOR BARRIER
033000.P	3/4" STRUCTO-CRETE PANEL
051200.A	STRUCTURAL STEEL FRAMING
051200.B	STEEL BEAM SEE 'S' SHEETS
053100.A	STEEL DECKING - SEE 'S' SHEETS
054000.C	6 IN. COLD FORMED METAL FRAMING
054000.E	10 IN. COLD FORMED METAL FRAMING
054000.P	Z FURRING
061053.D	3/4" FURRING @ 24" O.C. - PRESSURE TREATED
061600.B	GYPSUM SHEATHING
072100.C	UNFACED R-19 BATT INSULATION
072100.E	1-1/2 IN. RIGID INSULATION
072100.F	2 IN. RIGID INSULATION
072100.P	2 IN. FOIL-FACED MINERAL WOOL INSULATION
072600.A	VAPOR BARRIER
072726.A	FLUID-APPLIED MEMBRANE AIR BARRIERS
074113.I	STANDING SEAM METAL ROOF
074113.O	STANDING SEAM CLIP W/ FASTENERS
074113.P	COVER BOARD
074213.A	METAL WALL PANELS
074600.B	CEMENTITIOUS PLANK SIDING
075216.A	STYRENE-BUTADIENE-STYRENE (SBS) MODIFIED BITUMINOUS MEMBRANE ROOFING
092216.C	3-5/8 IN. METAL STUD
092900.C	5/8 IN. TYPE 'X' GWB
092900.D	5/8 IN. CEMENTITIOUS BACKER UNIT
093000.E	
096519.A	RESILIENT TILE FLOORING

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CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE
ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

ROOF, WALL, & FLOOR CONSTRUCTION TYPES

SHEET NAME

PROJECT NUMBER: 23001
DRAWN BY: Author
CHECKED BY: Approver
DATE: 01/10/2025
SCALE: 1 1/2" = 1'-0"

A621

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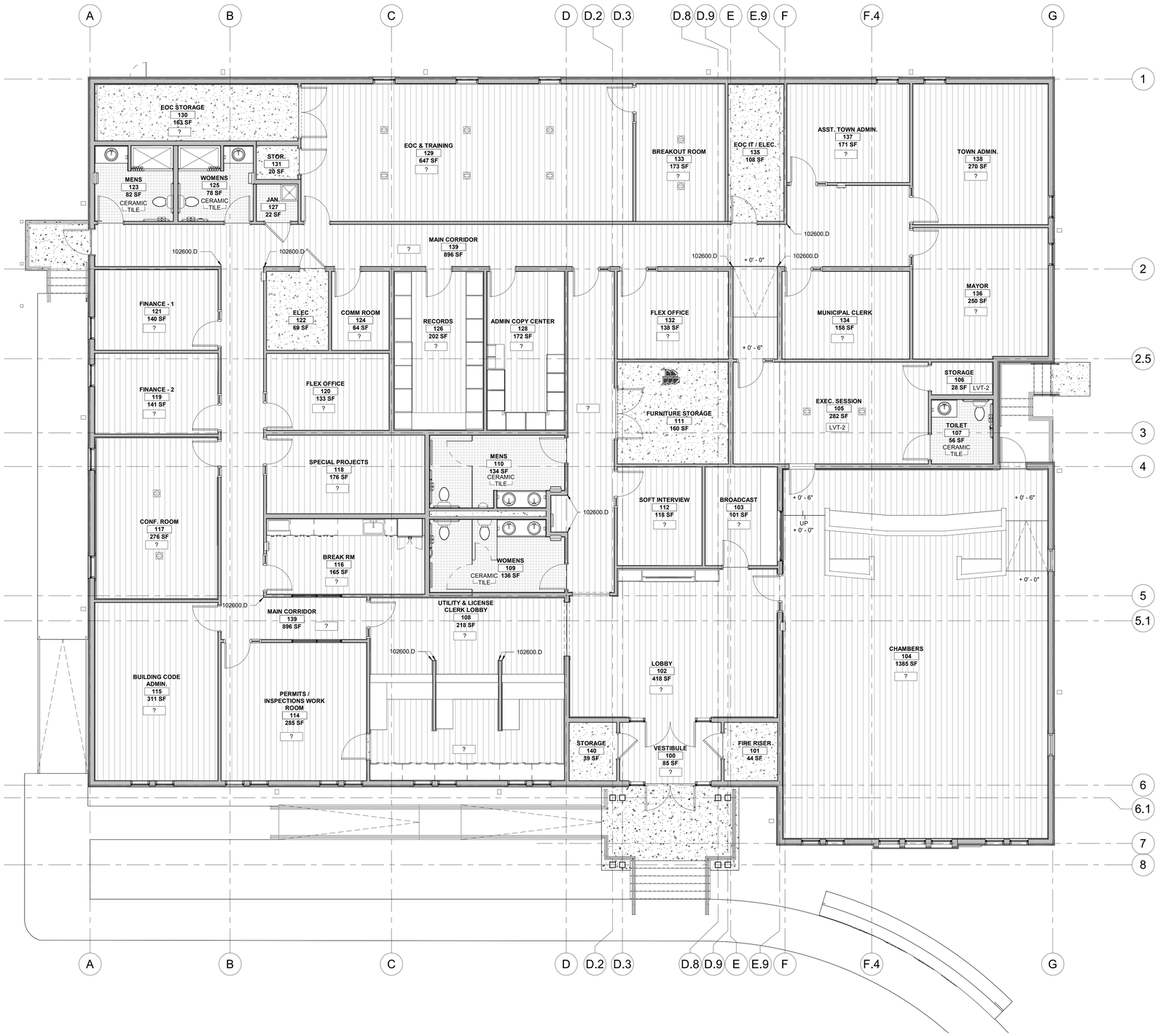
KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
102600.D	ACROVYN CORNER GUARD



F1 / A700 FIRST FLOOR FINISH PLAN
SCALE: 3/16" = 1'-0"

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC.
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

TOTAL SQ. FT. = 9,800

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

FIRST FLOOR FINISH PLAN

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	GLP
CHECKED BY	Approver
DATE	01/10/2025
SCALE	3/16" = 1'-0"

A700

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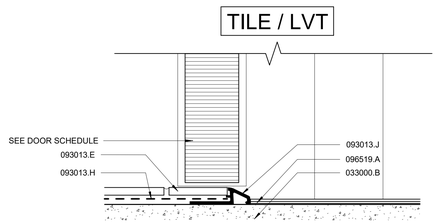
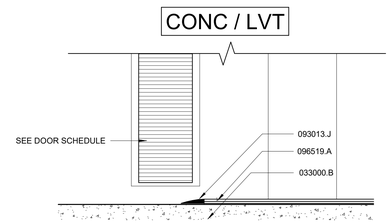
ROOM FINISH SCHEDULE

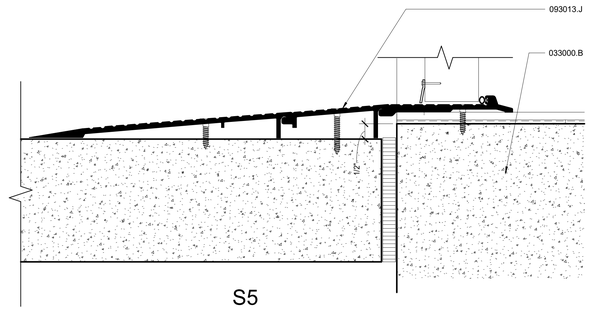
ROOM #	ROOM NAME	FLOOR	BASE	WALL	CEILING	CEILING HEIGHT	COMMENTS
100	VESTIBULE	LVT-1	6" VINYL COVE	PAINT	GWB	11' - 11 1/2"	
101	FIRE RISER	SEALED CONCRETE	6" VINYL COVE	PAINT	ACT	9' - 0"	
102	LOBBY	LVT-1	6" WOOD BASE	BEADBOARD WAINSCOT / PAINT	GWB	10' - 0"	
103	BROADCAST	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
104	CHAMBERS	LVT-1	6" WOOD BASE	BEADBOARD WAINSCOT / PAINT	ACT/ GWB / BEADBOARD	10' - 9"	
105	EXEC. SESSION	LVT-2	6" WOOD BASE	PAINT	ACT/ GWB	9' - 6"	
106	STORAGE	LVT-2	LVT	PAINT	ACT	9' - 0"	
107	TOILET	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GWB	9' - 0"	
108	UTILITY & LICENSE CLERK LOBBY	LVT-2	6" VINYL COVE	PAINT	ACT/ GWB	10' - 0"	
109	WOMENS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GWB	9' - 0"	
110	MENS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GWB	9' - 0"	
111	FURNITURE STORAGE	SEALED CONCRETE	6" VINYL COVE	PAINT	ACT	9' - 0"	
112	SOFT INTERVIEW	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
113	UTIL. & LICENSE CLERKS	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
114	PERMITS / INSPECTIONS WORK ROOM	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
115	BUILDING CODE ADMIN.	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
116	BREAK RM	LVT-2	6" VINYL COVE	PAINT	ACT/ GWB	9' - 0"	
117	CONF. ROOM	LVT-2	6" WOOD BASE	BEADBOARD WAINSCOT / PAINT	ACT/ GWB	10' - 6"	
118	SPECIAL PROJECTS	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
118	SPECIAL PROJECTS	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
119	FINANCE - 2	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
120	FLEX OFFICE	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
121	FINANCE - 1	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
122	ELEC	SEALED CONCRETE	6" VINYL COVE	PAINT	ACT	9' - 0"	
123	MENS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GWB	9' - 0"	
124	COMM ROOM	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
125	WOMENS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GWB	9' - 0"	
126	RECORDS	LVT-2	6" VINYL COVE	PAINT	ACT/ GWB	9' - 0"	
127	JAN.	CERAMIC TILE	CERAMIC TILE	PAINT / FRP	ACT	9' - 0"	
128	ADMIN COPY CENTER	LVT-2	6" VINYL COVE	BEADBOARD WAINSCOT / PAINT	ACT	9' - 0"	
129	EOC & TRAINING	LVT-2	6" VINYL COVE	BEADBOARD WAINSCOT / PAINT	ACT	9' - 0"	
130	EOC STORAGE	SEALED CONCRETE	6" VINYL COVE	PAINT	ACT	9' - 0"	
131	STOR.	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
132	FLEX OFFICE	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
133	BREAKOUT ROOM	LVT-2	6" VINYL COVE	PAINT	ACT/ GWB	9' - 0"	
134	MUNICIPAL CLERK	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
135	EOC IT / ELEC.	SEALED CONCRETE	6" VINYL COVE	PAINT	ACT	9' - 0"	
136	MAYOR	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
137	ASST. TOWN ADMIN.	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
138	TOWN ADMIN.	LVT-2	6" VINYL COVE	PAINT	ACT	9' - 0"	
139	MAIN CORRIDOR	LVT-2	6" VINYL COVE	PAINT	ACT/ GWB	9' - 0"	
140	STORAGE	SEALED CONCRETE	6" VINYL COVE	PAINT	ACT	9' - 0"	



B5 / A701 S3 - TILE / LVT
SCALE: 6" = 1'-0"



B7 / A701 S7 - CONC / LVT
SCALE: 6" = 1'-0"



C5 / A701 SF - CONC / LVT @ ENTRY
SCALE: 6" = 1'-0"

SEALS

NOTES:

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
033000.B	CONCRETE SLAB- SEE 'S' SHEETS
093013.E	CERAMIC TILE
093013.H	UNCOUPLING MEMBRANE
093013.J	ALUMINUM THRESHOLD
096519.A	RESILIENT TILE FLOORING

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

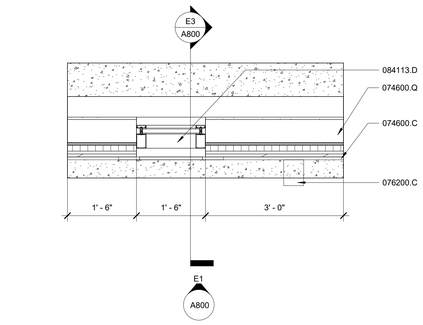
FINISH SCHEDULE & DETAILS

SHEET NAME

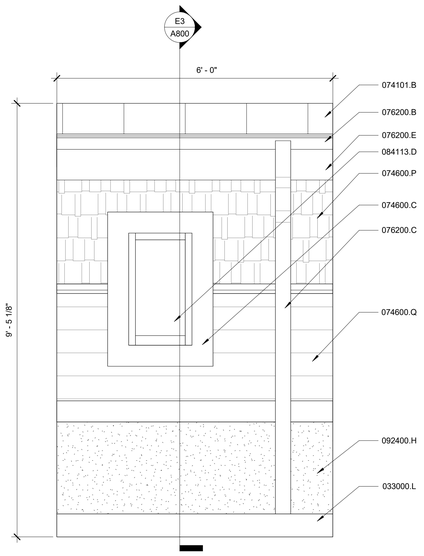
PROJECT NUMBER: 23001
DRAWN BY: Author
CHECKED BY: Approver
DATE: 01/10/2025
SCALE: 6" = 1'-0"

A701

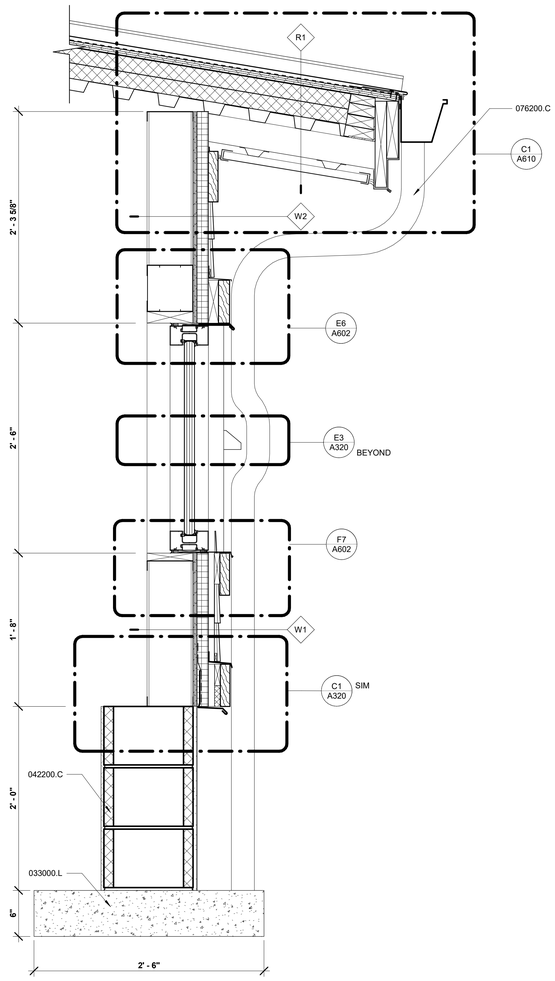
1/13/2025 8:16:46 AM



B1 A800 MOCK-UP PANEL PLAN VIEW
SCALE: 3/4" = 1'-0"



E1 A800 MOCK-UP PANEL ELEVATION
SCALE: 3/4" = 1'-0"



E3 A800 MOCK-UP PANEL WALL SECTION
SCALE: 1 1/2" = 1'-0"

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

MOCK-UP DETAILS

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	As indicated

A800

1/13/2025 8:16:47 AM

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

RENDERINGS

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	01/10/2025
SCALE	

A901

1/13/2025 8:16:48 AM

STATE OF SOUTH CAROLINA
CAPLEA COE ARCHITECTS, INC
CHARLESTON
B-78022
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
STEVEN HARLEY COE
REG. NO. 5073
REGISTERED ARCHITECT

SEALS

NOTES:

REVISIONS

CONTRACT DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

INTERIOR RENDERING

SHEET NAME

PROJECT NUMBER 23001
DRAWN BY Author
CHECKED BY Approver
DATE 01/10/2025
SCALE

A902

1/13/2025 8:16:48 AM

ABBREVIATIONS:

AB	ANCHOR BOLT
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ALT	ALTERNATE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT
B/	BOTTOM OF
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
BRDG	BRIDGING
BRG	BEARING
BLK	BLOCK
BTWN	BETWEEN
CANT	CANTILEVER
C/C	CENTER TO CENTER
CHAM	CHAMFER
CIRC	CIRCULAR
CJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNITS
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTRD	CENTERED
D	DEPTH
DBE	DECK BEARING ELEVATION
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWGS	DRAWINGS
E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDMENT
ENGR	ENGINEER
E0S	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EACH SIDE
EW	EACH WAY
EXP	EXPANSION
EXIST	EXISTING
EXT	EXTERIOR
FC	FILLED CELL
FF	FINISHED FLOOR
FIN	FINISH
FLR	FLOOR
FDN	FOUNDATION
FRMG	FRAMING
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
HDG	HOT DIP GALVANIZED
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGTH BOLT
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INCL	INCLUDE, ING
INT	INTERIOR
JBE	JOIST BEARING ELEVATION
LB	POUND
LG	LONG
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LSL	LONG SLOTTED HOLES
LT	LIGHT
LTWT	LIGHTWEIGHT
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MASONRY JOINT
MO	MASONRY OPENING
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
O/O	OUT TO OUT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
0W	OPEN WEB
PAF	POWDER ACTUATED FASTENER
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
RAD	RADIUS
REF	REFERENCE
REINF	REINFORCEMENT
RET	RETURN
REV	REVISION
RP	RADIUS POINT
RT	RIGHT
RTU	ROOF TOP UNIT
S	SOUTH
SA	SLEEVE ANCHOR
SB	SLAB BOLSTER
SCHED	SCHEDULE
SECT	SECTION
SF-	STEP FOOTING
SIM	SIMILAR
SPEC	SPECIFICATIONS
SP	SPACING,ES
SQ	SQUARE
SSL	SHORT SLOTTED HOLES
SS	STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENERS
STL	STEEL
SYMM	SYMMETRICAL
T/	TOP OF
TB	TIE BEAM
TC	TIE COLUMN
TCX	TOP CHORD EXTENSION
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
TRAN	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT
WWM	WELDED WIRE MESH

GENERAL NOTES

1. STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ENTIRE SET OF PROJECT DRAWINGS, PROJECT MANUAL, AND ALL SHOP DRAWING SUBMITTALS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS, CLEARANCES AND ALL OTHER COORDINATION ISSUES WITH OTHER TRADES.
3. IN CASE OF CONFLICT BETWEEN VARIOUS STRUCTURAL DRAWINGS, STRUCTURAL PLANS, OR STRUCTURAL DETAILS THE MORE STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR THE MORE COSTLY CONDITION.
4. IN CASE OF CONFLICT BETWEEN DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS THE MORE STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR THE MORE COSTLY CONDITION.
5. WORK NOT INDICATED ON THE DRAWINGS, BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
6. ALL NOTES, DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL FOR THE GENERAL CONDITIONS INDICATED OR REFERENCED. ALL NOTES, DETAILS AND SECTIONS SHALL APPLY TO ANY SIMILAR SITUATION THROUGHOUT THE ENTIRE PROJECT UNLESS A SEPARATE NOTE, DETAIL OR SECTION IS PROVIDED.
7. REVIEW ALL PROJECT DOCUMENTS PRIOR TO FABRICATION AND START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH WORK.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING AND IN PLACE WORK OR UTILITIES DURING CONSTRUCTION
9. COORDINATE STRUCTURAL DRAWINGS WITH OTHER CONTRACT DRAWINGS, SPECIFICATIONS, OR SHOP DRAWINGS WHICH MAY AFFECT THE STRUCTURAL WORK.
10. USE OF REPRODUCED CONTRACT DRAWINGS IN PART OR WHOLE FOR THE PURPOSE OF SHOP DRAWING PREPARATION SHALL NOT RELIEVE THE CONTRACTOR OR SUBCONTRACTOR FROM THE REQUIREMENT TO ACCURATELY LAYOUT, COORDINATE, DETAIL, FABRICATE AND INSTALL A COMPLETE STRUCTURE.
11. ALL SUBMITTALS SHALL BE REVIEWED BY THE SUBCONTRACTOR AND CONTRACTOR FOR CONFORMANCE TO THE CONTRACT DOCUMENTS, FOR COMPLETENESS, AND TO RESPOND TO CONTRACTOR COORDINATION RELATED QUESTIONS PRIOR TO SUBMITTING FOR APPROVAL. ALL SHEETS SHALL BE STAMPED AND INITIALED BY THE CONTRACTOR INDICATING SUCH A REVIEW HAS BEEN COMPLETED PRIOR TO ISSUING SUBMITTAL FOR APPROVAL.
12. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL.
13. ALL ELEVATIONS INDICATED IN STRUCTURAL DRAWINGS ARE IN REFERENCE TO A GROUND FLOOR FINISHED SLAB ELEVATION OF 0'-0" UNLESS NOTED OTHERWISE. SEE CIVIL FOR GROUND FLOOR FINISHED SLAB ELEVATION.

FOUNDATIONS

1. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED SPECIFICALLY FOR THIS SITE AND THE CIVIL DRAWINGS AND SPECIFICATIONS.
2. PROVIDE ALL MEASURES NECESSARY FOR THE INSTALLATION OF FOUNDATIONS INCLUDING BUT NOT LIMITED TO DEWATERING AND SHORING.
3. CENTER ALL FOUNDATIONS BENEATH THEIR RESPECTIVE WALL OR COLUMN UNLESS NOTED OTHERWISE.
4. HORIZONTAL JOINTS ARE NOT PERMITTED IN FOUNDATIONS
5. SEE TYPICAL DETAILS FOR CONSTRUCTION OF VERTICAL CONSTRUCTION JOINTS AND LIMITATIONS ON LOCATIONS
6. DO NOT INSTALL PLUMBING OR PLUMBING SLEEVES IN OR THROUGH FOUNDATIONS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, OR WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD
7. PLUMBING RUNS BELOW GRADE SHALL NOT RUN BENEATH AND PARALLEL TO CONTINUOUS FOOTINGS
8. ALL REINFORCING STEEL SHALL BE SUPPORTED ON CHAIRS OR BOLSTERS TO PROPER ELEVATION AND SHALL BE SECURELY ANCHORED
9. FOUNDATION SIZES SHOWN ASSUME FOOTINGS ARE CONSTRUCTED WITH SIDE FORMS
10. EARTH FORMED FOUNDATIONS ARE PERMITTED IF SUBGRADE IS STABLE ENOUGH TO HOLD THE FACE OF THE EXCAVATION. ALL FOUNDATION SIZES FOR EARTH FORMED FOUNDATIONS SHALL BE INCREASED 1" IN ALL DIRECTIONS
11. ALL FOUNDATION EXCAVATIONS SHALL BE DEWATERED PRIOR TO PLACING CONCRETE
12. BACKFILL SHALL NOT BE PLACED AGAINST FOUNDATION WALLS UNTIL CONCRETE OR GROUT HAS ACHIEVED 75% OF THE REQUIRED STRENGTH.
13. FIELD TESTING AND INSPECTION OF FOUNDATIONS, SUBGRADE MATERIALS AND SUBGRADE PREPARATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

CAST-IN-PLACE CONCRETE

1. ALL CAST-IN-PLACE CONCRETE SHALL CONFORM TO SPECIFICATION SECTION 033000-"CAST-IN-PLACE CONCRETE"
2. LAP ALL WWM/WWR ONE MESH SPACING PLUS A 2" OFFSET AND SECURELY ANCHOR
3. ALL CONTINUOUS REINFORCEMENT SHALL BE LAPPED PER SCHEDULES AND DETAILS
4. REINFORCEMENT SHALL BE SECURELY ANCHORED IN POSITION. THE CONTRACTOR SHALL PROVIDE ADDITIONAL BARS, STANDEES, OR STIRRUPS TO ANCHOR BARS IN THE PROPER POSITION
5. THE DESIGN AND CONSTRUCTION OF FORMS AND SHORES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. QUALIFIED WORKMEN SHALL CONSTANTLY OBSERVE AND ADJUST FORMS AND SHORES AS REQUIRED DURING CONCRETE PLACEMENT.
7. ALL SHORING SHALL REMAIN IN PLACE UNTIL THE SUPPORTED CONCRETE HAS ATTAINED 75% OF THE REQUIRED 28 DAY COMPRESSIVE STRENGTH.
8. CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ANCHOR BOLTS, ETC AS REQUIRED FOR ALL TRADES BEFORE CONCRETE IS POURED. THESE ITEMS SHALL BE INSTALLED AND VERIFIED BY THE CONTRACTOR.
9. SEE PLUMBING DRAWINGS FOR FLOOR DRAINS
10. FOR CONCRETE PADS SEE ARCHITECTURAL AND MECHANICAL DRAWINGS
11. FOR EXTERIOR SIDEWALKS AND CURBS SEE CIVIL DRAWINGS
12. FOR WATERPROOFING REQUIREMENTS SEE ARCHITECTURAL DRAWINGS
13. DOWELS SHALL MATCH WALL REINFORCING UNLESS NOTED OTHERWISE.
14. ALL INTERIOR SLABS SHALL HAVE A STEEL TROWELED FINISH UNLESS NOTED OTHERWISE. COORDINATE SLAB FINISH FOR AREAS WITH SPECIALTY FLOOR COVERINGS WITH SPECIFICATIONS AND FINISH SCHEDULE.
15. ALL REINFORCING STEEL SHALL BE DETAILED FABRICATED AND INSTALLED IN ACCORDANCE WITH ACI 318-14 AND ACI SP-066 2004.
16. PROVIDE THE FOLLOWING CONCRETE CLEAR COVER OVER REINFORCING (UNO):
    - A. FOOTINGS, GRADE BEAMS, TIE BEAMS AND PILE CAPS: 3"
    - B. INTERIOR BEAMS AND COLUMNS: 1"
    - C. EXTERIOR BEAMS AND COLUMNS: 2"
    - D. PEDESTALS: 2"
    - E. STRUCTURAL SLABS ON GRADE:
        - a. 3" BOTTOM
        - b. 3/4" TOP @ INTERIOR SPACES
        - c. 1 1/2" TOP AT EXTERIOR SPACES
    - F. INTERIOR FORMED ELEVATED SLABS: 3/4" BOTTOM, 3/4" TOP
    - G. EXTERIOR FORMED ELEVATED SLABS: 1 1/2" BOTTOM, 1 1/2" TOP
    - H. SLABS ON DECK: WWM CENTERED IN COVER OVER DECK FLUTES
    - I. SLABS ON GRADE: WWM IN TOP 1/3, REINFORCING STEEL CENTERED
    - J. CONCRETE WALLS: 1 3/4" UNO
17. REINFORCEMENT SHALL NOT BE CUT TO ACCOMMODATE THE INSTALLATION OF ANCHORS EMBEDS OR OTHER ITEMS.
18. AT CHANGES OF DIRECTION IN CONTINUOUS CONCRETE ELEMENTS PROVIDE CORNER BARS OF SAME SIZE AND SPACING OF HORIZONTAL REINFORCING.
19. PLACE CONCRETE PER ACI 318-14. USE INTERNAL MECHANICAL VIBRATION FOR ALL CONCRETE. LIMIT MAXIMUM FREE FALL HEIGHT TO 6'-0" AND TAKE PRECAUTIONS TO AVOID CONCRETE SEGREGATION.
20. FIELD TESTING AND INSPECTION OF CONCRETE MATERIALS AND CONCRETE INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

MASONRY

1. ALL MASONRY SHALL CONFORM TO SPECIFICATION SECTION 042000-"UNIT MASONRY"
2. MASONRY CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES" (TMS 402/602-22) EXCEPT AS MODIFIED OR AMENDED BY THE CONTRACT DOCUMENTS
3. LAP SPLICES FOR STEEL REINFORCING SHALL BE PER SCHEDULES
4. GROUT MASONRY AT ALL REINFORCING, LOCATIONS SHOWN IN PLANS, SCHEDULES AND DETAILS AND AS REQUIRED FOR MISCELLANEOUS ANCHORAGE.
5. GROUT SOLID ALL MASONRY BELOW GRADE, INCLUDING BUT NOT LIMITED TO STEM WALLS AND RETAINING WALLS.
6. CAP ALL UNREINFORCED CELLS NOT SPECIFICALLY NOTED TO BE GROUTED WITH CLOSURE PLATES OR SCREENS PRIOR TO GROUTING.
7. EXTEND ALL NON-LOAD BEARING WALLS A MINIMUM OF 8" ABOVE CEILING AND CAP WITH A CONTINUOUS BOND BEAM REINFORCED WITH (2)-#5'S UNLESS NOTED OTHERWISE
8. PROVIDE LINTELS OVER ALL OPENINGS PER PLANS, SCHEDULES, AND DETAILS. PROVIDE LINTELS OVER ALL OPENINGS WIDER THAN 12" INCLUDING HVAC DUCTS, PIPING, EMBEDDED PANELS AND CABINETS, AND CONDUIT.
9. PROVIDE POURED SILL UNITS WITH KNOCK-OUT BOTTOMS AT THE BOTTOM OF ALL OPENINGS AND REINFORCE PER SCHEDULES AND DETAILS.
10. ALL OPENINGS FOR ELEMENTS PASSING THROUGH MASONRY WALLS SHALL BE BUILT IN AS WORK PROGRESSES. SAW CUTTING OR CORING OF COMPLETED MASONRY CONSTRUCTION IS NOT PERMITTED.
11. ALL OPENINGS FOR ELEMENTS PASSING THROUGH MASONRY WALLS SHALL BE COORDINATED SUCH THAT THEY DO NOT PASS THROUGH OR INFRINGE ON OTHER MASONRY LINTELS INCLUDING THE FULL DEPTH OF THE LINTEL FOR THE FULL WIDTH OF THE BEARING.
12. COORDINATE VERTICAL REINFORCING WITH ALL SCHEDULES, DETAILS AND TYPICAL DETAILS
13. PROVIDE MASONRY CONTROL JOINTS LOCATED AND REINFORCED PER PLANS, NOTES AND TYPICAL DETAILS
14. GROUT A MINIMUM OF 24" (OR TO BOND BEAM BELOW IF LESS THAN 24") AT ALL BEARING PLATES.
15. COORDINATE INSTALLATION OF MASONRY WALLS WITH ALL TRADES AND STRUCTURAL DETAILS TO ENSURE PROPER INSTALLATION SEQUENCE
16. THE MASONRY WALLS ARE NOT DESIGNED TO WITHSTAND TEMPORARY CONSTRUCTION LOADS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN, INSTALL AND MAINTAIN BRACING TO STABILIZE MASONRY WALLS DURING CONSTRUCTION.
17. FIELD TESTING AND INSPECTION OF MASONRY MATERIALS AND MASONRY CONSTRUCTION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

CONCRETE PILES

1. ALL CONCRETE PILES SHALL CONFORM TO SPECIFICATION SECTION 316213-"CONCRETE PILES"
2. ALLOWANCES SHALL BE MADE FOR PRACTICAL REFUSAL OR EARLY TAKE UP AND ASSOCIATED CUTOFFS BY EXTENDING DOWEL CONDUITS AND ANY SPECIAL REINFORCED REGIONS OF THE PILES.
3. ***A PRE-INSTALLATION SURVEY OF ADJACENT STRUCTURES INCLUDING BUT NOT LIMITED TO STILL PHOTOGRAPHY, VIDEO PHOTOGRAPHY, AND VISUAL OBSERVATION SHALL BE CONDUCTED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER PRIOR TO COMMENCING PILE INSTALLATION. NOTED CRACKS IN ADJACENT STRUCTURES SHALL BE FITTED WITH CRACK MONITORS TO DOCUMENT PRE AND POST PILE INSTALLATION CONDITIONS.***
4. ***VIBRATION MONITORING WILL BE CONDUCTED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER THROUGHOUT THE DURATION OF PILE DRIVING. THE PILE DRIVING CONTRACTOR SHALL BE RESPONSIBLE FOR EMPLOYING DRIVING METHODS WHICH DO NOT PRODUCE VIBRATIONS GREATER THAN THE ESTABLISHED LIMITS.***
5. ***AN AS-BUILT SURVEY OF ALL PILES, CONDUCTED BY THE GENERAL CONTRACTOR SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO COMMENCING FOUNDATION WORK. THE SURVEY SHALL SHOW THE LOCATION OF ALL PILES WITH DEVIATIONS FROM THE THEORETICAL PILE LOCATION AND PILE BUTT ELEVATION. ALL PILE LOCATIONS AND CUTOFF ELEVATIONS THAT ARE NOT WITHIN THE TOLERANCES OUTLINED IN THE SPECIFICATIONS SHALL BE SPECIFICALLY NOTED. PILE CONTRACTOR SHOULD NOT DEMOBILIZE UNTIL THE AS-BUILT SURVEY HAS BEEN REVIEWED AND APPROVED AND/OR FOUNDATION REVISIONS, INCLUDING THE POSSIBLE ADDITION OF SUPPLEMENTAL PILES HAVE BEEN MADE TO ACCOUNT FOR ANY OUT-OF-TOLERANCE PILES.***
6. ***TEST PILE PROGRAM????????? (IF SO: A TEST PILE PROGRAM WILL BE REQUIRED. TEST PILES WILL BE OBSERVED, MONITORED AND DOCUMENTED BY THE SPECIAL INSPECTOR. COORDINATE WITH DRAWINGS AND SPECS FOR TEST PILE REQUIREMENTS.)***
7. FIELD TESTING AND INSPECTION OF CONCRETE PILES AND CONCRETE PILE INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

COLD-FORMED STEEL FRAMING

1. ALL PERFORMANCE BASED COLD-FORMED STEEL FRAMING SHALL CONFORM TO SPECIFICATION SECTION 054100-"ENGINEERED COLD-FORMED STEEL FRAMING".
2. ALL PRESCRIPTIVE BASED COLD-FORMED STEEL FRAMING SHALL CONFORM TO SPECIFICATION SECTION 054000-" COLD-FORMED STEEL FRAMING".
3. THE USE OF THE TERM LIGHT GAUGE SHALL BE EQUIVALENT TO COLD-FORMED
4. WHERE NOT SPECIFICALLY INDICATED ALL FASTENERS SHALL BE MINIMUM OF #10 SELF DRILLING SCREWS.
5. ALL FASTENERS UNDER SHEATHING SHALL HAVE LOW PROFILE HEADS
6. ALL MECHANICAL FASTENERS SHALL HAVE A MINIMUM SPACING AND EDGE DISTANCE OF THREE FASTENER DIAMETERS
7. ALL MECHANICAL FASTENERS SHALL EXTEND THROUGH CONNECTED MEMBERS BY A MINIMUM OF THREE THREADS
8. FRAMER SHALL ENSURE PUNCHOUT ALIGNMENT WHEN USING COLD ROLLED CHANNEL BRIDGING
9. FIELD TESTING AND INSPECTION OF COLD FORMED STEEL FRAMING AND ASSOCIATED INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.
10. DESIGN PERFORMED IN GENERAL ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATIONS

COLD-FORMED STEEL TRUSS FRAMING

1. ALL COLD-FORMED STEEL TRUSSES SHALL CONFORM TO SPECIFICATION SECTION 054400-"ENGINEERED FABRICATED COLD-FORMED STEEL TRUSS FRAMING".
2. THE USE OF THE TERM LIGHT GAUGE SHALL BE EQUIVALENT TO COLD-FORMED
3. ALL FASTENERS UNDER SHEATHING SHALL HAVE LOW PROFILE HEADS
4. ALL MECHANICAL FASTENERS SHALL HAVE A MINIMUM SPACING AND EDGE DISTANCE OF THREE FASTENER DIAMETERS
5. ALL MECHANICAL FASTENERS SHALL EXTEND THROUGH CONNECTED MEMBERS BY A MINIMUM OF THREE THREADS
6. THE ERECTOR SHALL PROVIDE TEMPORARY BRIDGING, BRACING, AND GUYS TO STABILIZE TRUSSES UNTIL PERMANENT BRACING IS INSTALLED AND SHEATHING OR DECKING IS IN PLACE AND FASTENED.
7. FIELD TESTING AND INSPECTION OF COLD FORMED STEEL TRUSS INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

STRUCTURAL STEEL FRAMING

1. ALL STRUCTURAL STEEL FRAMING AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING SHALL CONFORM TO SPECIFICATION SECTION 051200-"STRUCTURAL STEEL FRAMING".
2. ALL STRUCTURAL STEEL ERECTION SHALL COMPLY WITH AISC 360-16 AND AISC 303-16.
3. CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.
4. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING OR GUYS TO PROVIDE LATERAL SUPPORT OF THE STRUCTURAL STEEL UNTIL THE PERMANENT LATERAL FORCE RESISTING SYSTEM IS COMPLETED.
5. THE ERECTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE OWNER'S SPECIAL INSPECTOR FOR PRE-INSTALLATION VERIFICATION OF SLIP CRITICAL BOLT TIGHTENING PROCEDURES.
6. FIELD TESTING AND INSPECTION OF STRUCTURAL STEEL MATERIALS AND STRUCTURAL STEEL INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

FIELD WELDING

1. ALL FIELD WELDING SHALL CONFORM TO SPECIFICATION SECTION 051200-"STRUCTURAL STEEL FRAMING" FOR WELDING STRUCTURAL STEEL FRAMING
2. ALL FIELD WELDING SHALL CONFORM TO SPECIFICATION SECTION 053100-"STEEL DECKING" FOR WELDING STEEL DECKING
3. ALL FIELD WELDING SHALL CONFORM TO SPECIFICATION SECTION 054000-"COLD FORMED METAL FRAMING", 054100-"ENGINEERED COLD FORMED METAL FRAMING", AND 054400-"ENGINEERED COLD FORMED METAL TRUSSES" FOR WELDING COLD FORMED MEMBERS
4. ALL FIELD WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE-STEEL" AND AWS D1.3, "STRUCTURAL WELDING CODE-SHEET STEEL", LATEST EDITIONS.
5. ALL FIELD WELDING SHALL BE IN STRICT ACCORDANCE WITH WRITTEN WELD PROCEDURE (WPS) FOR THE GIVEN WELD CONDITION
6. REPAIR ALL DAMAGED GALVANIZING, PRIMER OR PAINT ONCE WELDING IS COMPLETE
7. ELECTRODES SHALL BE STORED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
8. ALL PERSONNEL COMPLETING FIELD WELDS SHALL BE CERTIFIED IN ACCORDANCE WITH AWS TO PERFORM THE GIVEN WELD.
9. FIELD TESTING AND INSPECTION OF FIELD WELDING MATERIALS AND FIELD WELDING SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

POST INSTALLED STRUCTURAL ANCHORS

1. ALL POST INSTALLED STRUCTURAL ANCHORS SHALL CONFORM TO SPECIFICATION SECTION 050520-"POST INSTALLED STRUCTURAL ANCHORS"
2. NOTED EMBEDMENT DEPTHS ARE FROM FACE OF CMU OR FACE OF CONCRETE
3. ALL INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S DATA AND THE ASSOCIATED ICC REPORT.
4. ALL PERSONNEL INSTALLING ANCHORS SHALL HAVE ATTENDED INSTALLER TRAINING PER THE SPECIFICATIONS
5. FIELD TESTING AND INSPECTION OF POST INSTALLED ANCHOR MATERIALS AND POST INSTALLED ANCHOR INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

STEEL DECKING

1. ALL STEEL DECKING SHALL CONFORM TO SPECIFICATION SECTION 053100-"STEEL DECKING".
2. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS.
3. ALL DECK IS BASED ON UNSHORED CONSTRUCTION UNLESS NOTED OTHERWISE
4. DECK SUPPLIER AND INSTALLER SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED DECK REINFORCING AT DECK OPENINGS AND PENETRATIONS. COORDINATE NUMBER, SIZE AND LOCATION OF OPENINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REINFORCING SHALL INCLUDE, BUT NOT BE LIMITED TO REINFORCING PLATES AND REINFORCING CHANNELS.
5. DECK SHOP DRAWINGS IN AREA OF STEEL JOISTS OR ENGINEERED COLD-FORMED METAL TRUSSES SHALL BE COORDINATED WITH APPROVED TRUSS SHOP DRAWINGS. DO NOT SUBMIT DECKING SHOP DRAWINGS FOR THESE AREAS UNTIL TRUSS AND/OR JOIST SHOP DRAWINGS HAVE BEEN APPROVED.
6. NO ELEMENT (CONDUIT, CEILING, DUCT, PIPING, ETC.) SHALL BE DIRECTLY HUNG FROM STEEL DECKING WITHOUT PRIOR WRITTEN APPROVAL FROM THE EOR.
7. FIELD TESTING AND INSPECTION OF STEEL DECKING AND ASSOCIATED INSTALLATION SHALL BE COMPLETED BY AN INDEPENDENT TESTING AGENCY COMMISSIONED BY THE OWNER, AND SHALL BE IN ACCORDANCE WITH THE SCHEDULE OF SPECIAL INSPECTIONS.

STRUCTURAL DESIGN CRITERIA

DESIGN BASED ON THE FOLLOWING CODES:
- INTERNATIONAL BUILDING CODE (IBC) 2021
- AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7-16 - *MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES*

1. FOUNDATION DESIGN VALUES:
   ALLOWABLE BEARING CAPACITY 14" SQ PRESTRESSED CONCRETE PILES 50 TON
   ALLOWABLE EMBEDMENT 14" SQ PRESTRESSED CONCRETE PILES 50'-0"

2. GRAVITY LOAD DESIGN VALUES:

   FLOOR LIVE LOADS: (1ST FLOOR)
   CORRIDORS 100-PSF
   LOBBY 100-PSF
   RESTROOMS 100-PSF
   OFFICES 50-PSF
   MEETING SPACES 100-PSF

   ROOF LIVE LOADS:
   LOW-SLOPED ROOF 30-PSF
   SLOPING ROOF 20-PSF

   GROUND SNOW LOADS:
   SNOW 5-PSF

   DEAD LOADS:
   ACTUAL MATERIAL WEIGHTS PER ASCE 7-16, SEE ARCHITECTURAL DRAWINGS FOR ROOF, WALL, AND FLOOR CONSTRUCTION

3. SEISMIC DESIGN VALUES:
   Ss = 1.047
   S1 = 0.326
   Sds = 0.604g
   Sd1 = 0.399g
   SITE CLASS: "D" (PER SOILS REPORT)
   BUILDING CATEGORY: "IV"
   IMPORTANCE FACTOR: Ie = 1.5
   SEISMIC DESIGN CATEGORY: "D"
   ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE (ELF)
   SEISMIC FORCE RESISTING SYSTEM: COMBINED SYSTEM OF LIGHT-FRAME WALLS WITH FLAT STRAP BRACING & STEEL ORDINARY CONCENTRICALLY BRACED FRAMES
   RESPONSE MODIFICATION FACTOR: R = 3.25
   DEFLECTION AMPLIFICATION FACTOR: Cd = 3.25
   SYSTEM OVERSTRENGTH FACTOR: OMEGA = 2.0

   ALLOWABLE INTERSTORY DRIFT: 0.02 Hsx

4. WIND LOAD DESIGN VALUES:
   V = 164 mph (3-sec gust)
   BUILDING CATEGORY: "IV"
   EXPOSURE CATEGORY: "D"
   ENCLOSURE CLASSIFICATION: ENCLOSED

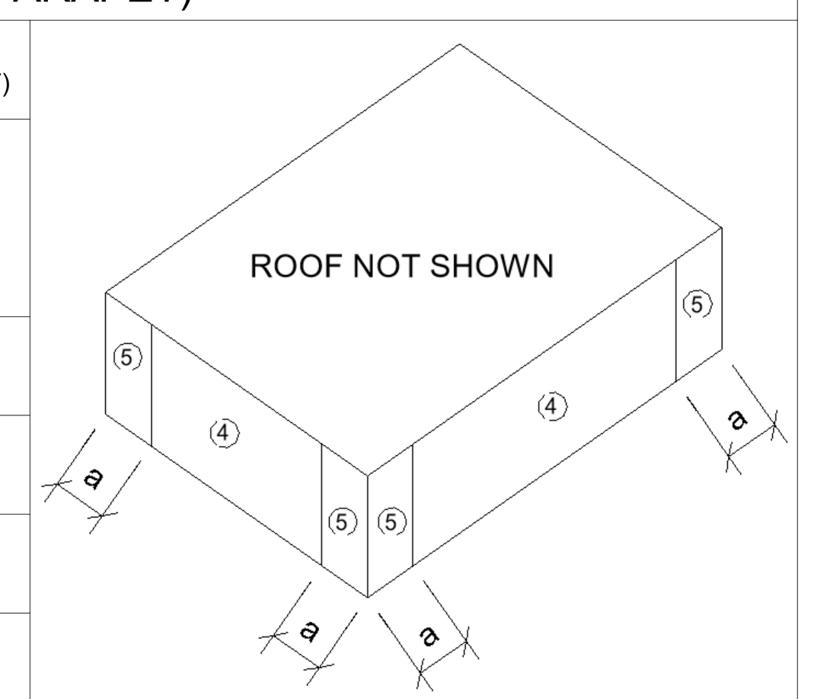
   DIRECTIONAL FACTOR: Kd = 0.85
   TOPOGRAPHIC FACTOR: Kzt = 1.0
   VELOCITY EXPOSURE COEFFICIENT: Kz = 1.09
   GROUND ELEVATION FACTOR: Ke = 1.0
   VELOCITY PRESSURE: q = 63.8 psf (ULT)
   38.3 psf (ASD)

   INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 0.18

   ALLOWABLE INTERSTORY DRIFT: 0.0025 Hsx

WALL PRESSURES (W/O PARAPET)

COMPONENT	ZONE	AREA (SQ. FT.)	MAXIMUM WIND PRESSURE (PSF)	MINIMUM WIND PRESSURE (PSF)
WALL FIELD	4	10	75.28	-81.66
	4	20	71.89	-78.27
	4	50	67.40	-73.78
	4	100	64.01	-70.39
WALL CORNER	5	10	75.28	-100.80
	5	20	71.89	-94.01
	5	50	67.40	-85.05
	5	100	64.01	-78.27

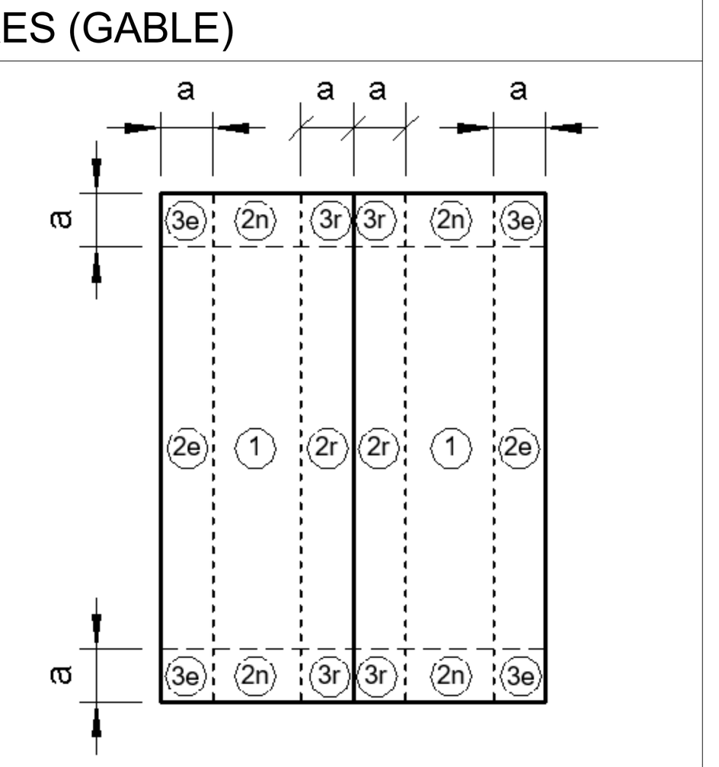


WALL ZONE DIAGRAM
a=

GENERAL NOTES:
- A. LOADS PROVIDED ARE LRFD UNFACTORED WIND LOADS.
- B. LOADS MAY BE FACTORED BY 0.6 TO ACHIEVE ASD/SERVICE LEVEL LOADS.
- C. LOADS MAY BE FACTORED BY 0.42 FOR DEFLECTION CALCULATIONS.

COMPONENT & CLADDING PRESSURES (GABLE)

COMPONENT	ZONE	AREA (SQ. FT.)	MAXIMUM WIND PRESSURE (PSF)	MINIMUM WIND PRESSURE (PSF)
ROOF FIELD	1	10	45.64	-139.07
	1	20	41.12	-139.07
	1	50	35.14	-84.59
	1	100	30.62	-43.38
ROOF EDGE	2E	10	45.64	-139.07
	2E	20	41.12	-139.07
	2E	50	35.14	-84.59
	2E	100	30.62	-43.38
ROOF EDGE	2N	10	45.64	-202.87
	2N	20	41.12	-175.39
	2N	50	35.14	-139.07
	2N	100	30.62	-111.60
ROOF RIDGE	2R	10	45.64	-202.87
	2R	20	41.12	-175.39
	2R	50	35.14	-139.07
	2R	100	30.62	-111.60
ROOF CORNER	3E	10	45.64	-202.87
	3E	20	41.12	-175.39
	3E	50	35.14	-139.07
	3E	100	30.62	-111.60
ROOF RIDGE	3R	10	45.64	-241.15
	3R	20	41.12	-206.58
	3R	50	35.14	-160.88
	3R	100	30.62	-126.31

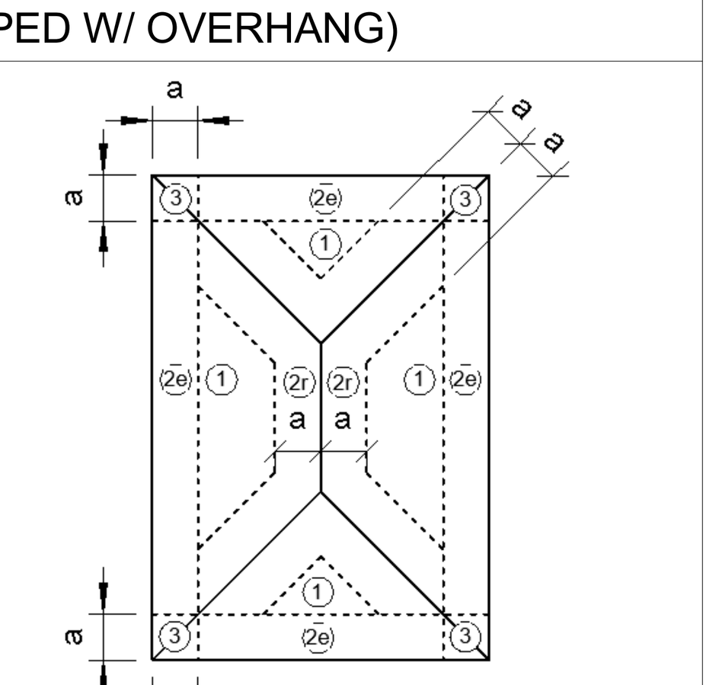


GABLE ROOF ZONE DIAGRAM
a=

GENERAL NOTES:
- A. LOADS PROVIDED ARE LRFD UNFACTORED WIND LOADS.
- B. LOADS MAY BE FACTORED BY 0.6 TO ACHIEVE ASD/SERVICE LEVEL LOADS.
- C. LOADS MAY BE FACTORED BY 0.42 FOR DEFLECTION CALCULATIONS.

COMPONENT & CLADDING PRESSURES (HIPPED W/ OVERHANG)

COMPONENT	ZONE	AREA (SQ. FT.)	MAXIMUM WIND PRESSURE (PSF)	MINIMUM WIND PRESSURE (PSF)
ROOF FIELD	1	10	56.14	-94.42
	1	20	48.46	-94.42
	1	50	38.30	-83.52
	1	100	30.62	-75.28
ROOF EDGE	2E	10	56.14	-126.31
	2E	20	48.46	-115.98
	2E	50	38.30	-102.32
	2E	100	30.62	-91.99
ROOF EDGE OVERHANG	2E_OH	10	16.00	-146.73
	2E_OH	20	16.00	-143.78
	2E_OH	50	16.00	-139.87
	2E_OH	100	16.00	-136.92
ROOF RIDGE	2R	10	56.14	-164.59
	2R	20	48.46	-148.36
	2R	50	38.30	-126.89
	2R	100	30.62	-110.65
ROOF CORNER	3	10	56.14	-126.31
	3	20	48.46	-115.98
	3	50	38.30	-102.32
	3	100	30.62	-91.99
ROOF CORNER OVERHANG	3_OH	10	16.00	-185.01
	3_OH	20	16.00	-165.82
	3_OH	50	16.00	-140.45
	3_OH	100	16.00	-121.26



HIPPED ROOF ZONE DIAGRAM
a=

GENERAL NOTES:
- A. LOADS PROVIDED ARE LRFD UNFACTORED WIND LOADS.
- B. LOADS MAY BE FACTORED BY 0.6 TO ACHIEVE ASD/SERVICE LEVEL LOADS.
- C. LOADS MAY BE FACTORED BY 0.42 FOR DEFLECTION CALCULATIONS.

SOUTH CAROLINA ADC ENGINEERING INC. NO. 00253 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 28196 CHRISTOPHER J. GILGER 1-9-25

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

REVISIONS

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

GENERAL NOTES

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S001

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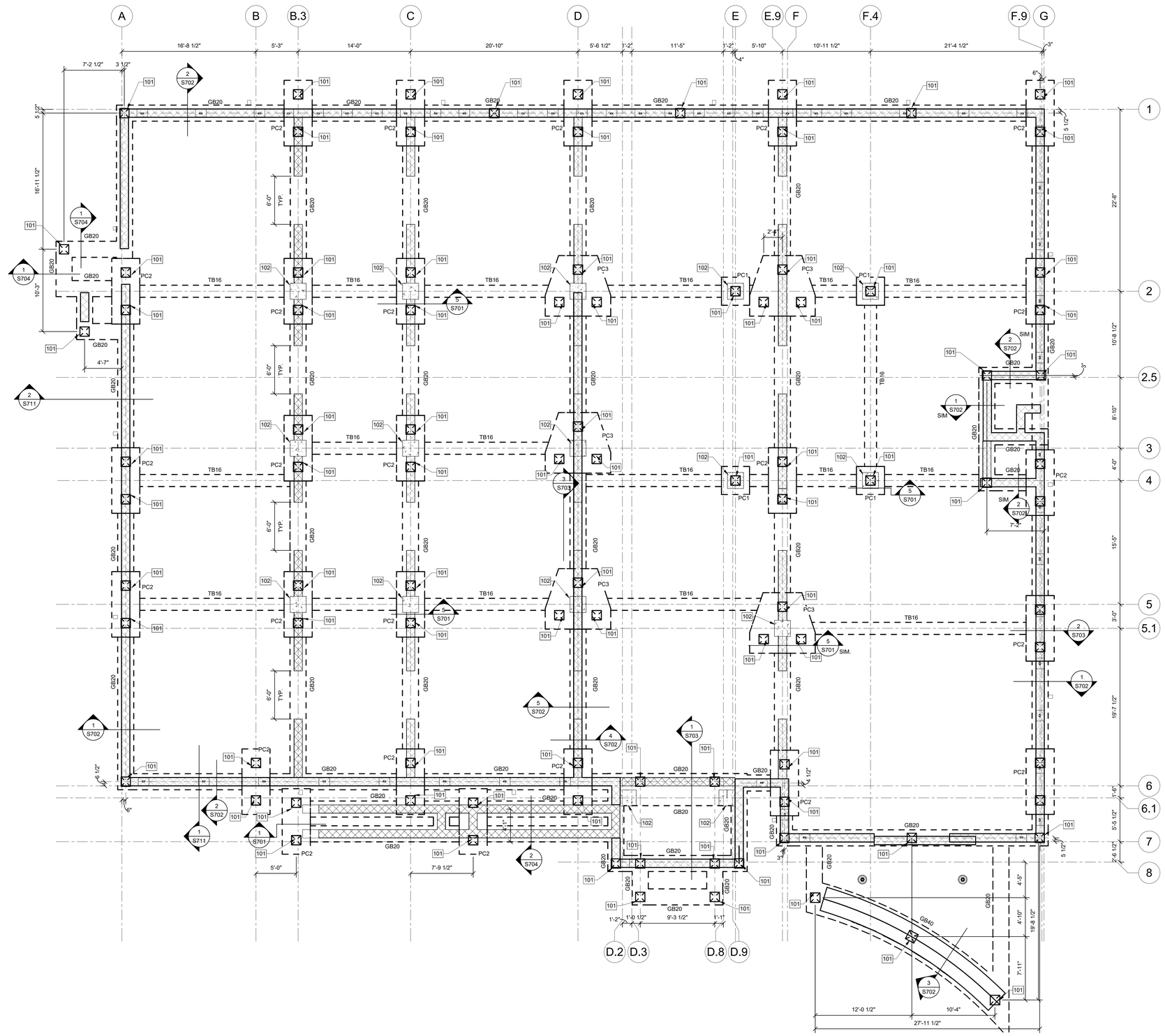


1 FOUNDATION PLAN
3/16" = 1'-0"

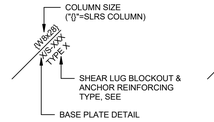
KEYED NOTES (THIS SHEET ONLY)

#	DESCRIPTION
101	PC1, W/14" SQ. PRESTRESSED CONCRETE PILES.
102	24" SQ. CONCRETE PIER. (5)-#6'S EACH FACE & #4 TIES @ 9" O/C VERTICALLY.

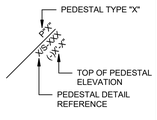
GENERAL NOTES (THIS SHEET ONLY)

- TOP OF FOOTING = -5'-0" UNO
- SEE S501 FOR FOUNDATION SCHEDULES
- SF = STEP FOOTING, SEE TYPICAL DETAILS
- CENTER ALL SPREAD FOOTINGS BENEATH COLUMNS/PIERS/PILASTERS
- STRIP FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH SPREAD FOOTINGS
- PROVIDE CORNER BARS AT ALL STRIP FOOTING CHANGES IN DIRECTION
- EXTEND STRIP FOOTINGS A MINIMUM OF 8" PAST END OF WALL AT FOOTING TERMINATIONS
- SEE TYPICAL DETAILS FOR CONTINUOUS FOOTING CONSTRUCTION JOINT DETAIL
- SEE TYPICAL DETAILS FOR PIPING/CONDUIT BELOW FOOTINGS
- SEE TYPICAL DETAILS FOR EXCAVATION LIMITS ADJACENT TO FOOTINGS
- SEE ARCHITECTURAL DRAWINGS FOR LAYOUT DIMENSIONS OF NON-LOAD BEARING INTERIOR PARTITIONS

STEEL COLUMN LEGEND



PEDESTAL LEGEND



NOTES:

ADC ENGINEERING INC.
NO. 00253
SOUTH CAROLINA
CERTIFICATE OF AUTHORIZATION
No. 28109
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. GILGER
SEALS

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

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EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

FOUNDATION PLAN

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S101A

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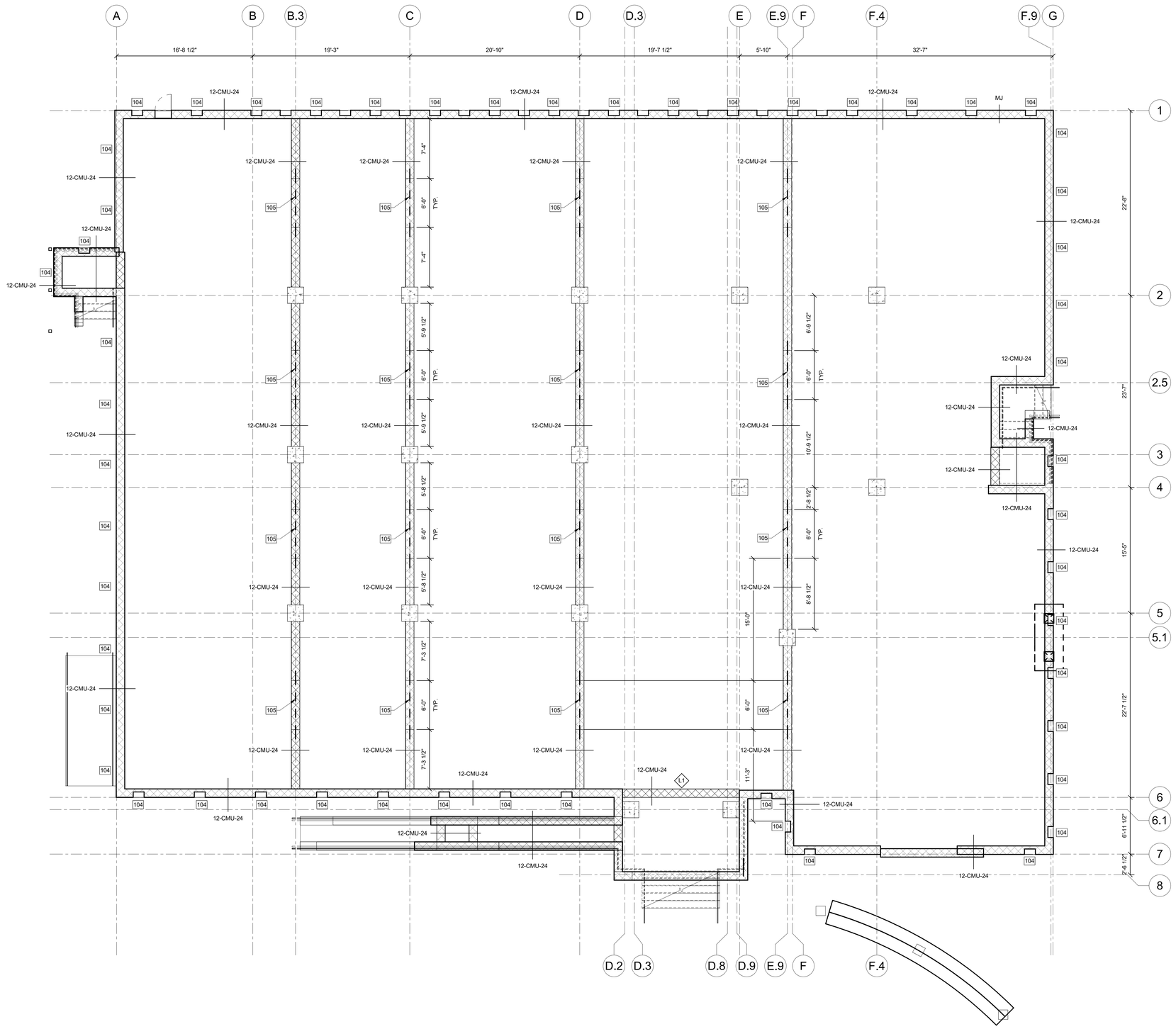

1 FOUNDATION WALL PLAN
3/16" = 1'-0"

KEYED NOTES (THIS SHEET ONLY)

#	DESCRIPTION
104	FLOOD VENTS. COORDINATE W/ ARCH'LS FOR SIZE & LOCATION.
105	INVERTED WT8X44.5 BEAM.

GENERAL WALL NOTES (THIS SHEET ONLY)

- TOM = TOP OF WALL ELEVATION
- ALL CMU WALLS SHALL BEAR ON FOOTING UNO
- SEE TYPICAL DETAILS FOR TOP OF WALL BRACING
- FILL ALL CELLS SOLID W/ 3000-PSI GROUT

X-CMU-? — INDICATES CMU WALL TYPE "X" (NUMBER INDICATES NOMINAL THICKNESS) & REINFORCING SPACING "?", SEE S501 FOR CMU WALL SCHEDULE

L? — INDICATES CMU LINTEL TYPE "?", SEE S501

MJ — INDICATES LOCATION OF MASONRY CONTROL JOINT (CONTINUOUS TO TOP OF WALL), SEE TYPICAL DETAILS

(X) — INDICATES CMU PIER FOR SUPPORT OF BEAM BEARING ABOVE. CENTER PIERS BELOW BEAM CENTERLINES OR AS CLOSE AS POSSIBLE AT WALL CORNERS/TERMINATIONS/OPENINGS. "(X)" INDICATES NUMBER OF CELLS TO BE GROUTED AND REINFORCED W/ (1)-BAR EACH CELL UNO OF SIZE MATCHING TYPICAL WALL REINFORCING BEYOND. WHERE SPECIFICALLY INDICATED ON PLANS, THIS SHALL GOVERN OVER ALL OTHER TYPICAL DETAILS.

SEALS

NOTES:

GROUT ALL CELLS SOLID.

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1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

FOUNDATION WALL PLAN

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S101B

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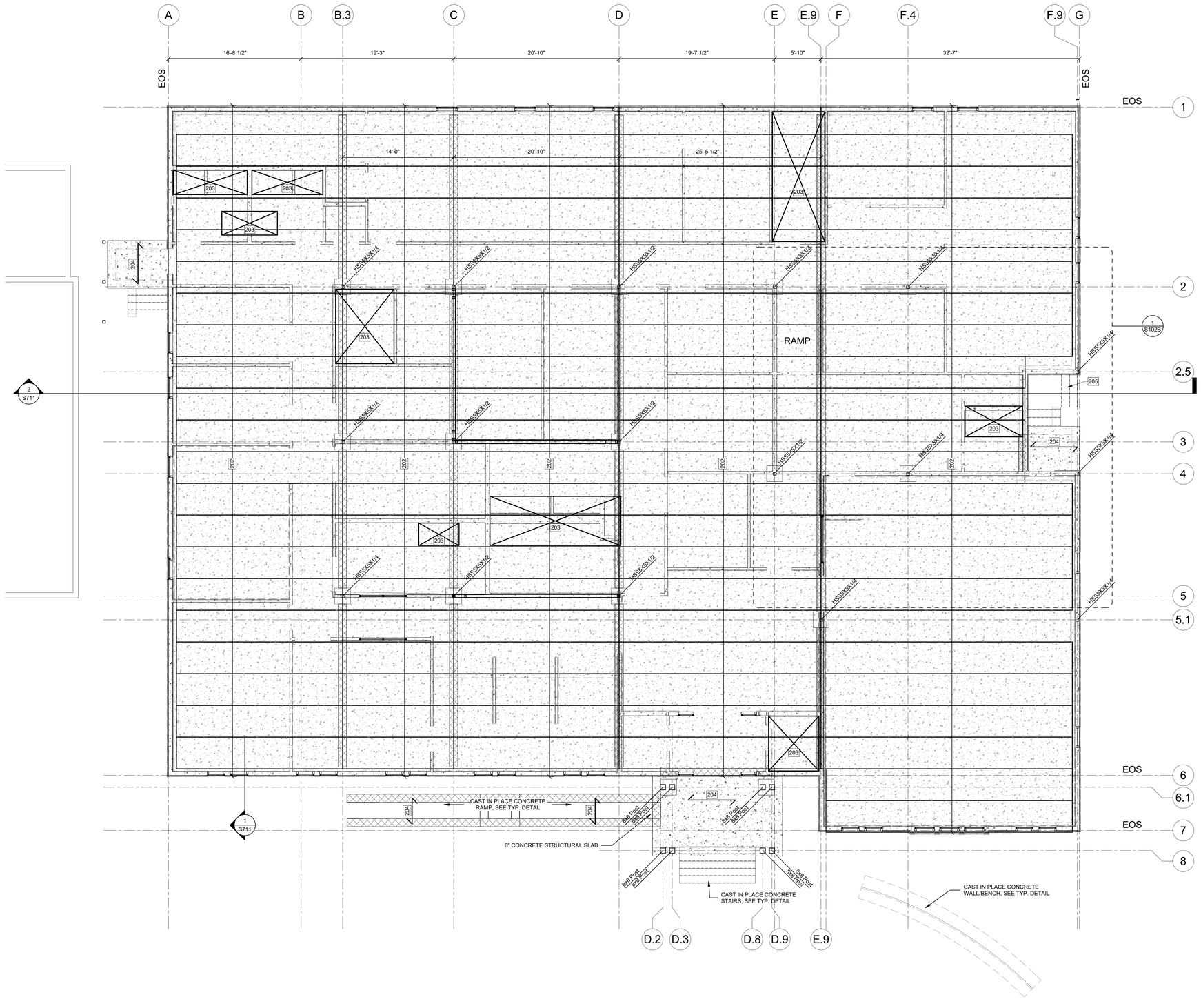

1 SLAB PLAN
3/16" = 1'-0"

KEYED NOTES (THIS SHEET ONLY)

#	DESCRIPTION
202	10" HOLLOWCORE PLANKS W/ 6" NORMAL WEIGHT TOPPING SLAB. DESIGN HOLLOWCORE PLANKS FOR 195 PSF LOADING. 95 PSF DL. 100 PSF LL. LOADS ARE UNFACTORED.
203	FLOOR PENETRATIONS THIS AREA. COORDINATE W/ ALL CONSTRUCTION DOCUMENTS & COORDINATION DRAWINGS.
204	STRUCTURAL SLAB ON FILL/GRADE.
205	CONCRETE STAIRS. COORDINATE W/ ARCH'LS & TYPICAL DETAILS.

GENERAL NOTES (THIS SHEET ONLY)

- STRUCTURAL SLAB ON GRADE CONSTRUCTION IS 6" NORMAL WEIGHT CONCRETE SLAB W/ ONE LAYER OF #4'S @ 12" O/C EACH DIRECTION ON 15 MIL CLASS A VAPOR RETARDER.

- INDICATES SLAB ON GRADE CONTROL/CONSTRUCTION JOINT, SEE TYPICAL DETAILS
- R=X" — DENOTES SLAB RECESS OF "X" INCHES, COORDINATE EXTENT OF RECESSES WITH ARCHITECTURAL DRAWINGS.
- DENOTES STEP IN TOP OF SLAB ELEVATION
- DENOTES SLAB SPAN DIRECTION

NOTE:
THE TOPPING SLAB SHALL BE DESIGNED BY THE HOLLOWCORE PLANK DESIGNER. PROVIDE A MINIMUM OF #4'S @ 12" O/C EACH WAY FOR REINFORCING. PROVIDE ADDITIONAL REINFORCING AS NEEDED.

SEALS

NOTES:

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FIRST FLOOR SLAB PLAN

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S102A

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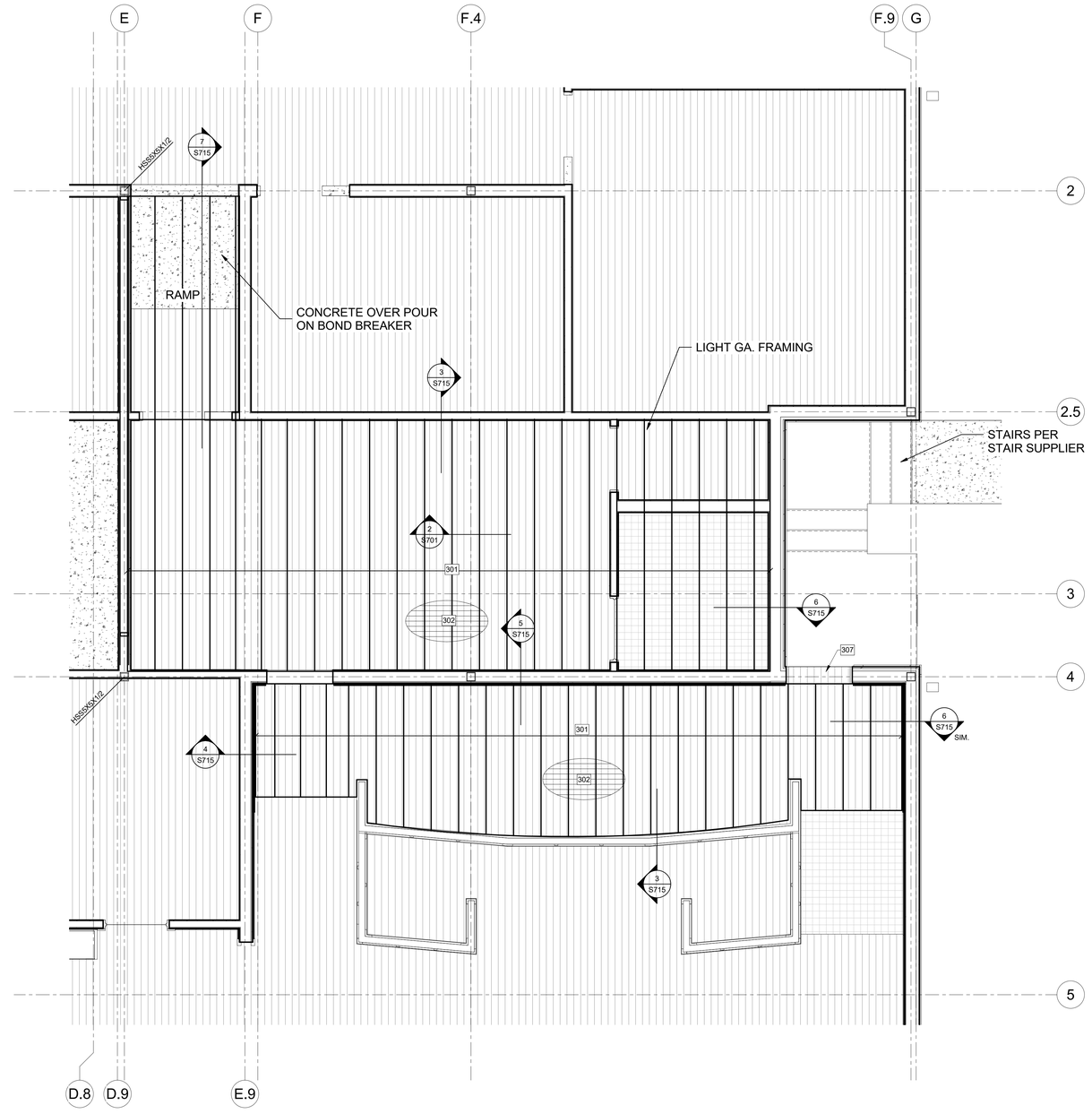

1 ELEVATED FLOOR FRAMING
3/8" = 1'-0"

KEYED NOTES (THIS SHEET ONLY)

#	DESCRIPTION
301	600S162-54 MIL STUDS @ 16" O/C.
302	3/4" PLYWOOD ATTACH W/ #12 SCREWS @ 6" O/C. SEE ARCH'LS FOR FIRE RATING REQUIREMENTS.
307	PROVIDE CAST IN PLACE CONCRETE THRESHOLD W/ (2)-#5'S CONT., #3 TIES @ 8" O/C & #4 DOWELS @ 24" O/C INTO CMU WALL BELOW.

SEALS

NOTES:

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TOWN OF EDISTO BEACH TOWN HALL

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843.577.6073

ELEVATED FLOOR FRAMING

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	3/8" = 1'-0"

S102B

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KEYED NOTES (THIS SHEET ONLY)	
#	DESCRIPTION
303	HSS5X5X3/8 CROSS BRACING.
304	(2)-600S162-54 MIL STUDS BOXED W/ 600T150-54 MIL TRACKS BENEATH GLULAM BEAM BEARING.
305	HSS6X4X3/8 KING STUD.

NOTES:

- PROVIDE A MINIMUM OF ONE STUD BELOW EACH TRUSS BEARING W/ SIMPSON MTS STRAP EACH SIDE

1 WALL PLAN
3/16" = 1'-0"

SEALS

NOTES:

GROUT ALL CELLS SOLID.

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FIRST FLOOR WALL PLAN

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	3/16" = 1'-0"

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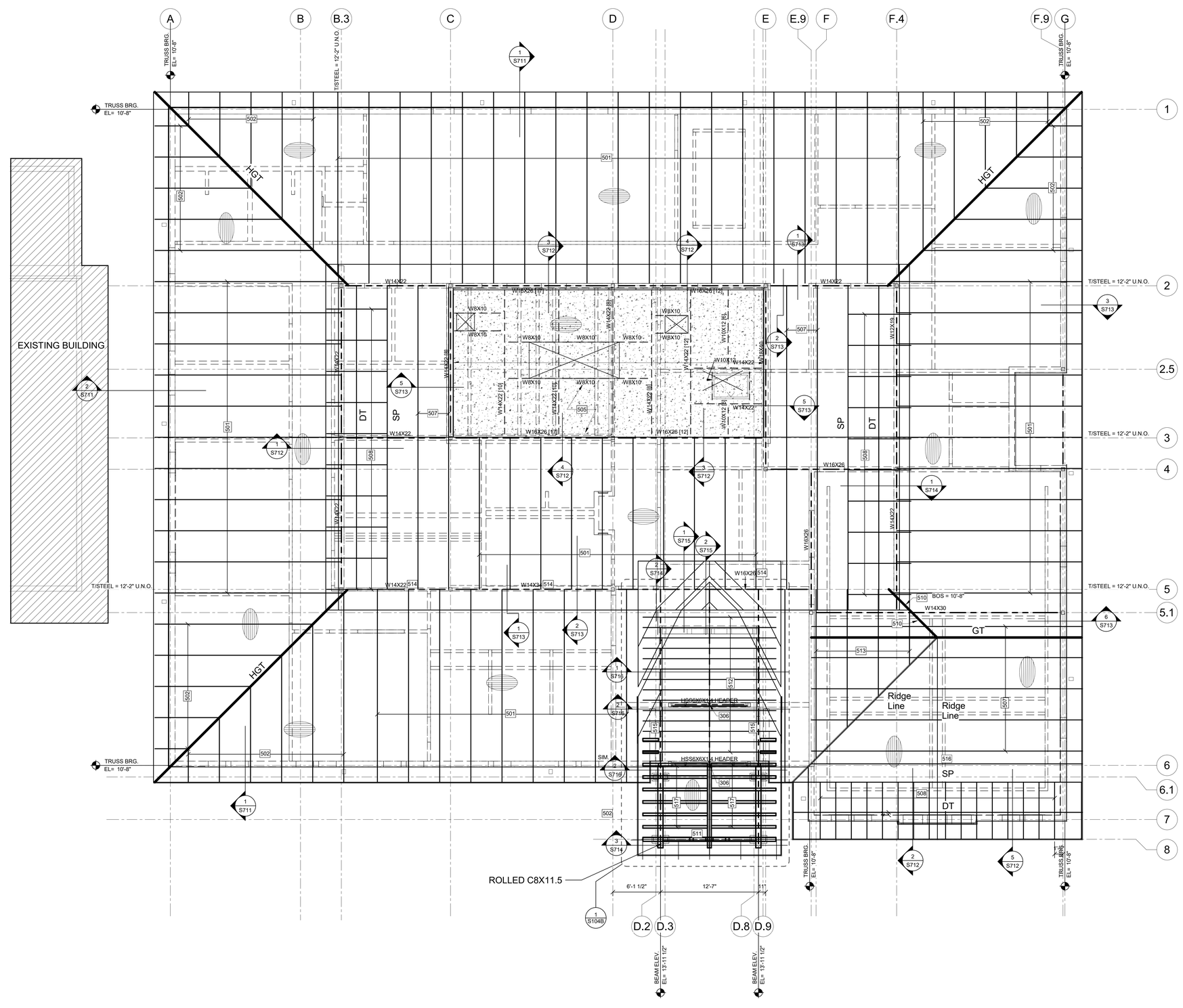

1 ROOF FRAMING PLAN
3/16" = 1'-0"

KEYED NOTES (THIS SHEET ONLY)

#	DESCRIPTION
306	LIGHT GAUGE POSTS. (2)-600S162-54 MIL STUDS BOXED W/ 600T150-54 MIL TRACKS BENEATH GLULAM RIDGE BEAM BEARING ONTO HSS HEADER BELOW.
501	MONO SLOPE ROOF TRUSSES @ 48" O/C.
502	JACK TRUSSES @ 48" O/C.
505	6" CONCRETE SLAB ON 3" 20GA VLI COMPOSITE DECK.
507	DUAL PITCHED TRUSSES @ 48" O/C.
508	600S162-54 MIL OUTRIGGERS @ 24" O/C.
510	LIGHT GAUGE BLOCKING PER TRUSS DESIGNER.
511	HEAVY TIMBER TRUSS PER TRUSS DESIGNER.
512	600S162-54 MIL RAFTERS @ 16" O/C.
513	600S162-54 MIL OVERFRAMING @ 48" O/C.
514	TOS = 12'-2".
515	SP 24F-V1 5.5"x16" GLULAM BEAM.
516	DUAL PITCHED TRUSS. DESIGN TRUSS FOR AN ULTIMATE AXIAL LOAD = 14 KIPS IN ADDITION TO NORMAL LOADING.
517	SP NO. 2 4X8 RAFTERS @ 18" O/C.

ROOF FRAMING PLANS GENERAL NOTES:

- TOP OF STEEL = SEE PLAN
- TOS = TOP OF STEEL
- JBE = JOIST BEARING ELEVATION
- TBE = TRUSS BEARING ELEVATION
- DBE = DECK BEARING ELEVATION
- GT = GIRDER TRUSS
- HGT = HIP GIRDER TRUSS
- DT = DROP TOP TRUSS
- SEE STEEL BEAM LEGEND (S501) FOR BEAM ANNOTATIONS AND MINIMUM CONNECTION DESIGN LOADINGS WHERE NOT INDICATED OTHERWISE
- EM"X"=EMBED PLATE "X", SEE EMBED PLATE SCHEDULE
- THE G.C. SHALL COORD WITH TYPICAL DETAILS FOR ANY AND ALL ADDITIONAL FRAMING REQUIREMENTS NOT SHOWN HEREIN

ROOF DECK GENERAL NOTES

- TYPICAL ROOF DECK CONSTRUCTION IS 1.5" ROOF DECK (1.5RD20 UNO) (SEE SPECS). SEE PLAN AND SPECIFIC DETAILS FOR ADDITIONAL SUPPORT AND REINFORCING REQUIREMENTS
- DE=DECK EDGE
- PROVIDE FLAT SUMP PLATES AT ALL ROOF DRAINS, SEE ARCH FOR LOCATIONS

NOTES:

- PROVIDE A MINIMUM OF ONE STUD BELOW EACH TRUSS BEARING W/ SIMPSON MTS STRAP EACH SIDE

SOUTH CAROLINA — ADC ENGINEERING, INC. — NO. 00253 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 28109 — REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER J. GILGER

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

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843.577.6073

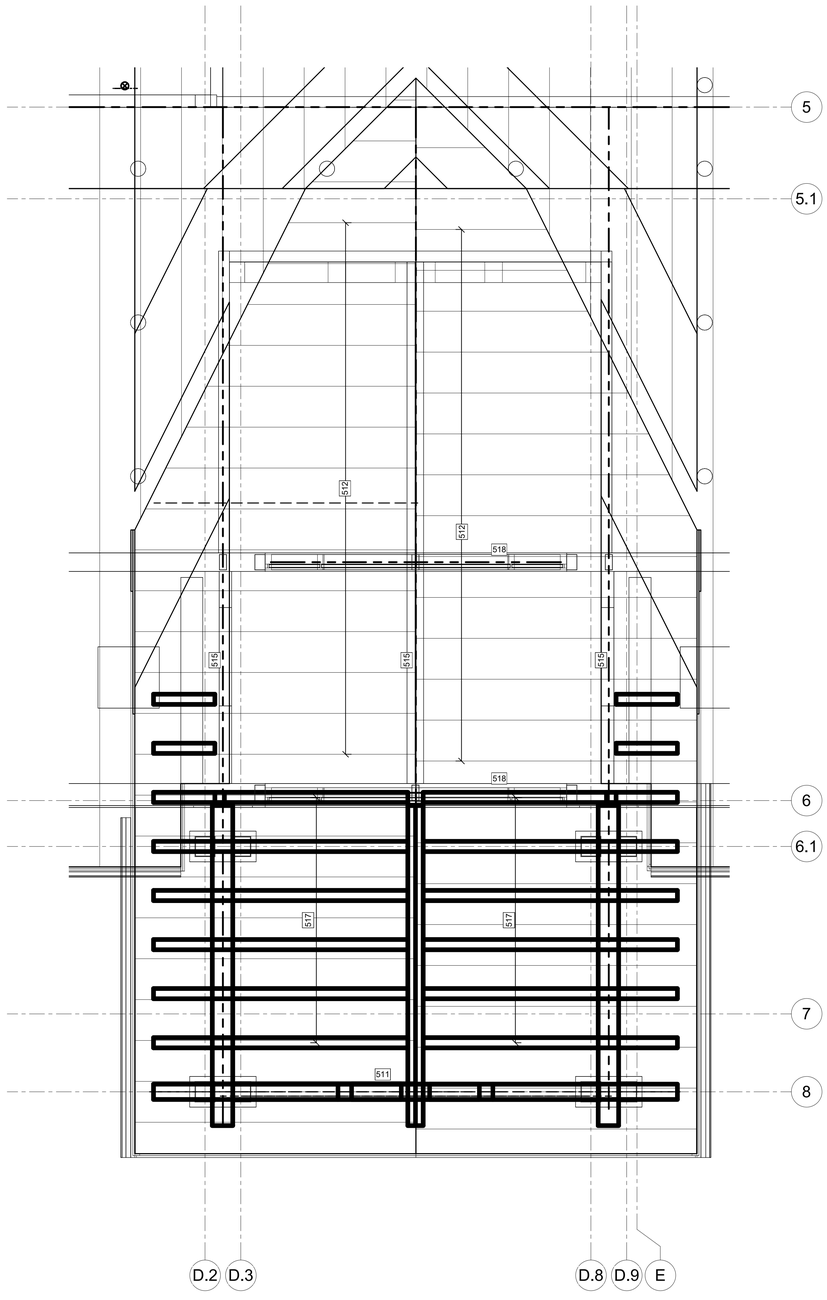
ROOF FRAMING PLAN

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S104A

1/10/2025 11:53:35 AM



1 ROOF FRAMING DETAIL
1/2" = 1'-0"

GENERAL NOTES (THIS SHEET ONLY)

- TOP OF SLAB = XX'-X" UNO.
- TYPICAL FLOOR CONSTRUCTION IS 6" LIGHTWEIGHT SLAB W/ ONE LAYER OF 6x6–W2.9xW2.9 WWR ON 3" COMPOSITE FLOOR DECK (3CFD20 UNO, SEE SPECS). SEE SPECIFIC DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS AT OPENINGS
- EOS = EDGE OF SLAB
- BP"X" = BENT PLATE TYPE "X", SEE -/---
- RA = HDG RELIEVING ANGLE, SEE SPECIFIC SECTIONS AND -/---
- PS = GAUGE METAL POUR STOP, SEE -/--- (TYP. ALL SLAB EDGES UNO)
- SEE -/--- AND -/--- FOR ELEVATED SLAB ON DECK CONSTRUCTION JOINTS
- EM"X" = EMBED PLATE "X", SEE EMBED PLATE SCHEDULE

- INDICATES EXTENTS OF TYPICAL CONCRETE SLAB ON DECK CONSTRUCTION
- R=X" — DENOTES SLAB RECESS OF "X" INCHES. COORDINATE EXTENT OF RECESS WITH ARCHITECTURAL DRAWINGS.
- DENOTES STEP IN TOP OF SLAB ELEVATION

KEYED NOTES (THIS SHEET ONLY)

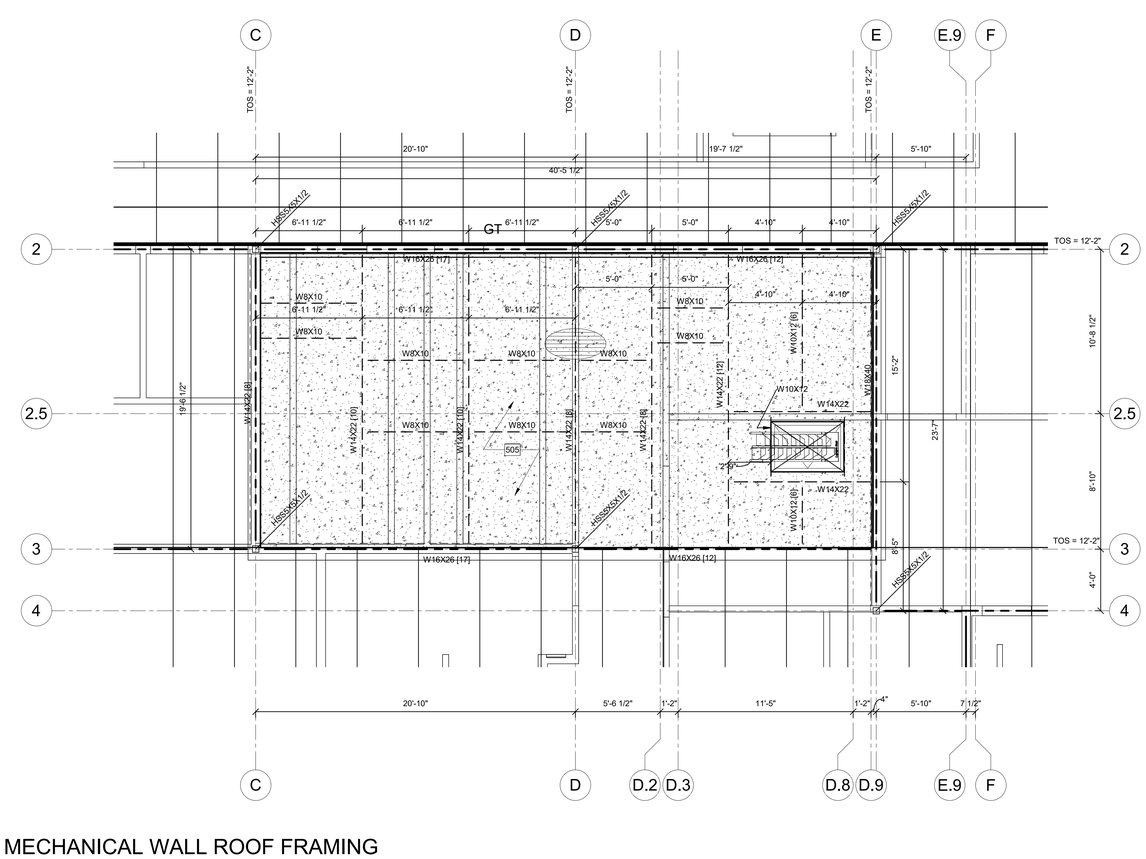
#	DESCRIPTION
505	6" CONCRETE SLAB ON 3" 20GA VLI COMPOSITE DECK.
511	HEAVY TIMBER TRUSS PER TRUSS DESIGNER.
512	600S162-54 MIL RAFTERS @ 16" O/C.
515	SP 24F-V1 5.5"x16" GLULAM BEAM.
517	SP NO. 2 4X8 RAFTERS @ 18" O/C.
518	LIGHT GA. HDR, SEE WALL FRAMING PLAN.

ROOF FRAMING PLANS GENERAL NOTES:

- TOP OF STEEL = SEE PLAN
- TOS = TOP OF STEEL
- JBE = JOIST BEARING ELEVATION
- TBE = TRUSS BEARING ELEVATION
- DBE = DECK BEARING ELEVATION
- GT = GIRDER TRUSS
- HGT = HIP GIRDER TRUSS
- DT = DROP TOP TRUSS
- SEE STEEL BEAM LEGEND (S501) FOR BEAM ANNOTATIONS AND MINIMUM CONNECTION DESIGN LOADINGS WHERE NOT INDICATED OTHERWISE
- EM"X"=EMBED PLATE "X", SEE EMBED PLATE SCHEDULE
- THE G.C. SHALL COORD WITH TYPICAL DETAILS FOR ANY AND ALL ADDITIONAL FRAMING REQUIREMENTS NOT SHOWN HEREIN

ROOF DECK GENERAL NOTES

- TYPICAL ROOF DECK CONSTRUCTION IS 1.5" ROOF DECK (1.5RD20 UNO) (SEE SPECS). SEE PLAN AND SPECIFIC DETAILS FOR ADDITIONAL SUPPORT AND REINFORCING REQUIREMENTS
- DE=DECK EDGE
- PROVIDE FLAT SUMP PLATES AT ALL ROOF DRAINS, SEE ARCH FOR LOCATIONS



2 MECHANICAL WALL ROOF FRAMING PLAN ENLARGED VIEW
1/4" = 1'-0"

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
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REVISIONS

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
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CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
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ROOF FRAMING ENLARGED VIEW

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

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GRADE BEAM/TIE BEAM SCHEDULE

TYPE	WIDTH	THICKNESS	TOP REINFORCING	BOTTOM REINFORCING	STIRRUPS
GB20	2'-0"	2'-0"	(4)-#8'S	(4)-#8'S	#4'S @ 9" O.C.
GB40	4'-0"	2'-0"	(7)-#8'S	(7)-#8'S	#4'S @ 9" O.C.
TB16	1'-6"	1'-6"	(3)-#6'S	(3)-#6'S	#5'S @ 6" O.C.

SPREAD FOOTING SCHEDULE

FOOTING TYPE	LENGTH	WIDTH	THICKNESS	BOTTOM REINFORCING	TOP REINFORCING
14" Diameter					
PC1	3'-6"	3'-6"	2'-6"	5-#7 LONG, 11-#7 TRANS	5-#7 LONG, 11-#7 TRANS
PC2	3'-6"	8'-2"	2'-9"	5-#7 LONG, 12-#7 TRANS	5-#7 LONG, 12-#7 TRANS
PC3	7'-6 1/2"	8'-2"	3'-3"	8-#9 LONG, 8-#9 TRANS	8-#9 LONG, 8-#9 TRANS

FOUNDATION SCHEDULE NOTES:
1. ALL BARS SHALL BE SUPPORTED ON CHAIRS (PLASTIC OR HDG) WITH FLAT BASES TO PREVENT SINKING INTO SUBGRADE.
2. MAINTAIN 3" CLEAR COVER AROUND ALL REINFORCING UNO.
3. SEE TYPICAL DETAILS FOR CONSTRUCTION JOINTS IN CONTINUOUS FOOTINGS.
4. CENTER ALL SPREAD FOOTINGS BENEATH COLUMNS/PIERS/PILASTERS UNO.
5. CONTINUOUS FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH SPREAD FOOTINGS.
6. PROVIDE CORNER BARS AT ALL CONTINUOUS FOOTING CHANGES IN DIRECTION.
7. EXTEND CONTINUOUS FOOTINGS 8" MIN. PAST END OF WALL AT FOOTING TERMINATION.
8. CONSTRUCTION JOINTS ARE NOT PERMITTED IN COMBINED OR SPREAD FOOTINGS.

REBAR LAP SPLICE LENGTHS
(FOOTINGS)

BAR SIZE	CONCRETE			
	3000 PSI	4000 PSI	5000 PSI	6000 PSI
#3	2'-4"	2'-1"	1'-10"	1'-8"
#4	3'-2"	2'-9"	2'-5"	2'-3"
#5	3'-11"	3'-5"	3'-0"	2'-9"
#6	4'-8"	4'-1"	3'-8"	3'-4"
#7	6'-9"	5'-11"	5'-3"	4'-10"
#8	7'-9"	6'-11"	6'-0"	5'-6"
#9	8'-10"	7'-7"	6'-9"	6'-2"
#10	9'-8"	8'-6"	7'-8"	7'-0"
#11	10'-11"	9'-6"	8'-6"	7'-9"
#14	13'-1"	11'-4"	10'-2"	9'-3"

REBAR LAP SPLICE LENGTHS
(COLUMNS AND WALLS)

BAR SIZE	CONCRETE			
	3000 PSI	4000 PSI	5000 PSI	6000 PSI
#3	1'-10"	1'-7"	1'-5"	1'-4"
#4	2'-6"	2'-1"	1'-11"	1'-9"
#5	3'-1"	2'-7"	2'-4"	2'-2"
#6	3'-8"	3'-1"	2'-10"	2'-5"
#7	5'-3"	4'-6"	4'-1"	3'-9"
#8	6'-0"	5'-2"	4'-9"	4'-3"
#9	6'-10"	5'-10"	5'-3"	4'-9"
#10	8'-6"	6'-7"	5'-11"	5'-4"
#11	9'-5"	8'-3"	6'-6"	6'-0"
#14	10'-1"	8'-9"	7'-10"	7'-2"

MECHANICAL END ANCHOR BAR TENSION DEVELOPMENT LENGTH (Ldea)				
BAR SIZE	NORMAL WEIGHT CONCRETE, f'c = PSI			
	3,000	4,000	5,000	6,000
#3	(6")	(6")	(6")	(6")
#4	9"	8"	8"	8"
#5	12"	11"	11"	11"
#6	16"	15"	14"	14"
#7	20"	18"	18"	17"
#8	24"	22"	22"	21"
#9	28"	27"	26"	25"
#10	34"	32"	31"	30"
#11	40"	37"	36"	35"

GENERAL NOTES:
A. VALUES IN TABLE FOR GRADE 60 REINFORCING WITH f_y = 60 ksi. IF f_y > 60 ksi, MULTIPLY VALUES IN TABLE BY A FACTOR OF f_y/60, WHERE f_y IS IN UNITS OF [ksi]
B. FOR USE OF EPOXY-COATED BARS, MULTIPLY VALUES IN THE TABLE BY 1.2 EXCEPT FOR VALUES DENTOED AS (#')

HOOKED BAR TENSION DEVELOPMENT LENGTH (Ldh)				
BAR SIZE	NORMAL WEIGHT CONCRETE, f'c = PSI			
	3,000	4,000	5,000	6,000
#3	8"	7"	7"	7"
#4	12"	11"	11"	10"
#5	16"	15"	15"	14"
#6	21"	20"	19"	19"
#7	27"	25"	24"	24"
#8	32"	30"	29"	29"
#9	39"	36"	35"	34"
#10	46"	43"	42"	41"
#11	54"	51"	49"	48"
#14	71"	66"	64"	63"
#18	109"	102"	98"	96"

GENERAL NOTES:
A. VALUES IN TABLE FOR GRADE 60 REINFORCING WITH f_y = 60 ksi. IF f_y > 60 ksi. MULTIPLY VALUES IN TABLE BY A FACTOR OF f_y/60, WHERE f_y IS IN UNITS OF [ksi]
B. DIVIDE VALUES IN THE TABLE BY 0.75 FOR USE WITH LIGHTWEIGHT CONCRETE
C. MULTIPLY VALUES IN THE TABLE BY 1.2 FOR USE WITH EPOXY COATED BARS

LIGHT GAUGE WALL SCHEDULE

MARK	STUD SIZE	STUD SPACING	TOP TRACK	BOTTOM TRACK	BRIDGING
W1	600S162-54MIL	16" O.C. MAX	600T250-68MIL	600T250-68MIL	4' O.C. MAX
W2	600S162-54MIL	12" O.C. MAX	600T250-68MIL	600T250-68MIL	4' O.C. MAX
W3	1000S162-68MIL	16" O.C. MAX	1000T250-68MIL	1000T250-68MIL	4' O.C. MAX

NOTES:
- ALL MATERIAL IS 33KSI UNLESS NOTED OTHERWISE
- SEE TYPICAL DETAILS AND SCHEDULES FOR OPENING CONSTRUCTION AT LOAD BEARING AND EXTERIOR WALLS
- PROVIDE TRIPLE STUD W/ (2)-43 MIL CONNECTION TRACKS AT ALL ROOF GIRDER OR ROOF HIP TRUSS BEARING POINTS
- SEE TYPICAL DETAILS FOR TOP AND BOTTOM TRACK CONNECTION TO STUDS
- SEE TYPICAL DETAILS FOR TOP AND BOTTOM TRACK CONNECTION TO STRUCTURE
- COORDINATE ADDITIONAL MINIMUM STUD PROPERTIES WITH RATED ASSEMBLY REQUIREMENTS
- SEE TYPICAL DETAILS FOR DISTRIBUTION HEADER SIZES ABOVE STUD TOP TRACK

LIGHT GAUGE HEADER SCHEDULE

MARK	HEADER MEMBERS	HEADER TOP TRACK	HEADER BOTTOM TRACK
H1	(2) - 600S162-54MIL BOXED	600T150-54MIL	600S150-54MIL
H2	(2) - 800S162-68MIL BOXED	800T200-68MIL	800S200-68MIL
H3	(2) - 600S162-68MIL BOXED	600T200-68MIL	600S200-68MIL

NOTES:
- SEE TYPICAL DETAILS FOR BOXED HEADER CONSTRUCTION AND ATTACHMENT TO JAMBS
- SEE TYPICAL DETAILS FOR ATTACHMENT OF JAMB BASE/HEAD TO STRUCTURE

LIGHT GAUGE SILL SCHEDULE

MARK	SILL STUD	SILL TRACK
S1	600S162-68MIL	600T150-54MIL

NOTES:
- SEE TYPICAL DETAILS FOR SILL CONSTRUCTION AND ATTACHMENT TO JAMBS

LIGHT GAUGE KING STUD SCHEDULE

MARK	KING STUD (EACH SIDE)
K1	(2) - 600S162-54MIL BACK-TO-BACK
K2	(3) - 600S162-54MIL BUILT-UP
K3	(2) - 1000S162-68MIL BACK-TO-BACK
K4	(4) - 600S200-68MIL BUILT-UP

NOTES:
- SEE TYPICAL DETAILS FOR BOXED HEADER CONSTRUCTION AND ATTACHMENT TO JAMBS
- SEE TYPICAL DETAILS FOR ATTACHMENT OF JAMB BASE/HEAD TO STRUCTURE

CMU WALL SCHEDULE

MARK	THICKNESS (NOMINAL)	VERTICAL REINFORCEMENT	BOND BEAM REINFORCING	TOP/ BOND BEAM ELEVATIONS
12-CMU-8	12"	#6'S @ 8" O.C. 3/16" DUR-O-WALL @ 16" O.C. (SPACED VERT.)	(2)-#5'S	(NOTES 1,2,3,4,5,6,7)
12-CMU-16	12"	#6'S @ 16" O.C. 3/16" DUR-O-WALL @ 16" O.C. (SPACED VERT.)	(2)-#5'S	(NOTES 1,2,3,4,5,6,7)
12-CMU-24	12"	#6'S @ 24" O.C. 3/16" DUR-O-WALL @ 16" O.C. (SPACED VERT.)	(2)-#5'S	(NOTES 1,2,3,4,5,6,7)
12-CMU-32	12"	#6'S @ 32" O.C. 3/16" DUR-O-WALL @ 16" O.C. (SPACED VERT.)	(2)-#5'S	(NOTES 1,2,3,4,5,6,7)

NOTES:
1. ALL HORIZONTAL REINFORCING IN ALL BOND BEAMS SHALL TERMINATE WITH A STD. ACI 180° HOOK AROUND A VERTICAL BAR. THIS SHALL BE THE STANDARD TERMINATION AT ALL DOOR/WINDOW OPENINGS, AND BLOCK CONTROL JOINT LOCATIONS.
2. GROUT ALL REINFORCED CELLS AND CONTINUOUS BOND BEAMS SOLID WITH 3000-PSI PEA GRAVEL GROUT.
3. PROVIDE CONTINUOUS BB'S @ ELEVATIONS: -4'-8", & TOW.
4. PROVIDE REINFORCING 3 ADJACENT CELLS BELOW EACH BEAM BEARING LOCATION.
5. PROVIDE CONTINUOUS BB'S @ ELEVATIONS: WHERE INDICATED ON SPECIFIC DETAILS.
6. DUR-O-WALL SHALL BE LADDER TYPE W/ INTEGRAL SEISMIC BRICK TIES AS REQUIRED, 16" O.C. EACH DIRECTION. BRICK TIES SHALL BE DESIGNED TO RESIST A 100-PSF LOAD IN TENSION OR COMPRESSION.
7. SEE ALSO, ALL TYPICAL CMU DETAILS, SPECIFIC DETAILS, AND SPEC'S FOR ADDITIONAL WALL REINFORCING INFORMATION.
8. AT RETAINING WALLS, FILL ALL CELLS SOLID.

GENERAL NOTES:
- COORDINATE ALSO WITH ARCH'L DRAWINGS AND SPEC'S FOR TOP OF WALL ELEVATION.
- BB ELEVATIONS INDICATED ARE T/BB & BASED ON REFERENCE LEVEL T/SLAB ELEVATION = 0'-0"
- REINFORCE A MIN. OF 3 CELLS BELOW EACH BEAM BEARING.
- GROUT ALL CELLS SOLID.

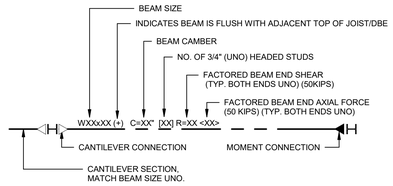
ABBREVIATIONS:
- BB = BOND BEAM
- TOW = TOP OF WALL

CMU LINTEL SCHEDULE

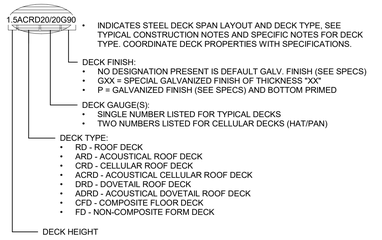
MARK	MAX. CLEAR SPAN (UNO)	MATERIAL	REINFORCING
L1	0'-0" TO 4'-0"	8" H x 8" OR 12" W (MATCH WALL THICKNESS)	SEE NOTE 1
L2	4'-1" TO 8'-0"	16" H x 8" OR 12" W (MATCH WALL THICKNESS)	#3 TIES @ 8" O.C. (2)-#6's EA COURSE
L3	8'-1" TO 12'-0"	24" H x 8" OR 12" W (MATCH WALL THICKNESS)	#3 TIES @ 8" O.C. (2)-#6's EA COURSE
L4	12'-0" >	36" H x 8" OR 12" W (MATCH WALL THICKNESS)	#3 TIES @ 8" O.C. (2)-#6's EA COURSE

NOTES:
1. FOR 8" CMU, REINFORCE W/ (2)-#5'S IN BOT. FOR 12" CMU, REINFORCE W/ (2)-#6's IN BOT.
2. SEE TYPICAL DETAILS FOR CONSTRUCTION OF LINTELS.
3. SEE TYPICAL OPENING DETAILS / CMU JAMB BAR SCHEDULE FOR NUMBER OF VERTICAL CELLS REINFORCED WACH SIDE OF OPENING.
4. BEAR ALL LINTELS MINIMUM OF 16" EACH END.
5. LINTELS TO BE CONSTRUCTED FROM STANDARD U-SHAPE LINTEL BLOCKS.
6. IF LINTEL IS GREATER THAN 20'-0", SEE PLAN FOR LINTEL SIZE.
7. COORDINATE WITH PLANS FOR LINTEL SIZES. ABOVE LINTEL SIZES SHOULD BE USED UNO.

STEEL BEAM LEGEND



KEYED NOTES:
1. INDIVIDUAL BEAM REACTION & AXIAL LOADS AVAILABLE UPON REQUEST.



MASONRY REINFORCING BAR SPLICE SCHEDULE

BAR SIZE	f'm = 2000 psi						
	6" CMU		8" CMU		12" CMU		16" CMU (COLUMN BLOCK)
	BARS/CELL NOTE #1		BARS/CELL NOTE #1		BARS/CELL NOTE #1		BARS/CELL NOTE #1
	(1)	(2)	(1)	(2)	(1)	(2)	UP TO (4)
#3	12"	N/A	12"	12"	12"	12"	12"
#4	18"	N/A	13"	21"	12"	20"	20"
#5	28"	N/A	20"	35"	13"	32"	32"
#6	53"	N/A	38"	54"	24"	54"	54"
#7	63"	N/A	52"	63"	33"	63"	63"
#8	72"	N/A	72"	N/A	50"	72"	72"

GENERAL NOTES:
A. SCHEDULED DIMENSION INDICATES REQUIRED DISTANCE OF LAP SPLICES, ALL SPLICES SHALL BE "CONTACT" LAP SPLICES WITH SPACING BETWEEN LAPPED BARS NOT MORE THAN ONE-FIFTH THE LAP LENGTH NOR MORE THAN 8"
B. "N/A" INDICATES THAT BAR CONFIGURATION IS NOT PERMITTED DUE TO REINFORCEMENT LIMITS
C. SPLICES SHALL BE MADE WITH A MECHANICAL BAR COUPLER, WHERE VERTICAL BARS HAVE A REQUIRED LAP SPLICE GREATER THAN THE HEIGHT OF THE GROUT POUR, COUPLED SPLICES SHALL BE OFFSET BY LENGTH OF COUPLER BUT NOT LESS THAN 12"
D. MECHANICAL BAR COUPLERS SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR IN TENSION AND COMPRESSION

KEYED NOTES:
1. NUMBER OF BARS PER CELL WITH ALLOWANCE FOR NON-STAGGERED LAP SPLICES

SEALS

NOTES:

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REVISIONS		

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SCHEDULES

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
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SCALE	As indicated

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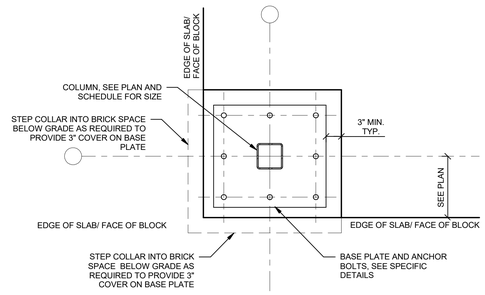
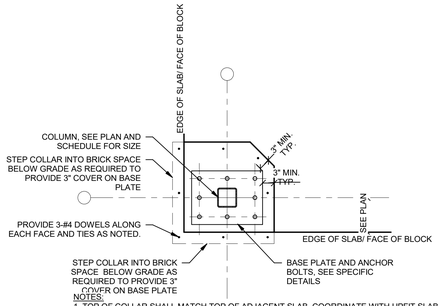


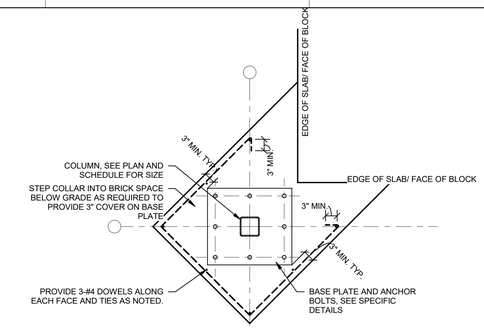
NOTES:
1. TOP OF COLLAR SHALL MATCH TOP OF ADJACENT SLAB. COORDINATE WITH UPFIT SLAB REQUIREMENTS
2. PROVIDE #3 TIES (2-PIECE "U" SHAPED) @ 8" O.C. VERTICALLY IN COLLAR. MIN. NUMBER OF TIES SHALL BE (3)
3. STEP COLLAR INTO BRICK SPACE BELOW GRADE AS REQUIRED TO PROVIDE MINIMUM COVER
4. COAT COLUMN, BASE PLATE, AND ANCHOR RODS WITH ASPHALT PAINT PRIOR TO POURING CONCRETE COLLAR. 5. DETAIL IS TYPICAL AT SLAB ON GRADE ONLY

1 TYP. COLUMN COLLAR (CORNER CONDITION)
1" = 1'-0"



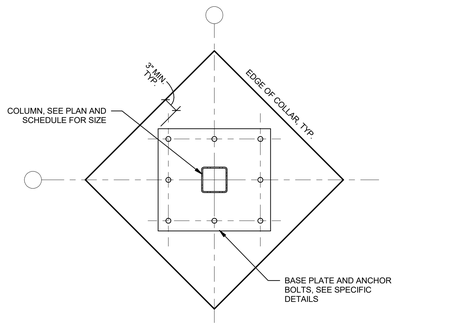
NOTES:
1. TOP OF COLLAR SHALL MATCH TOP OF ADJACENT SLAB. COORDINATE WITH UPFIT SLAB REQUIREMENTS
2. PROVIDE #3 TIES (2-PIECE "U" SHAPED) @ 8" O.C. VERTICALLY IN COLLAR. MIN. NUMBER OF TIES SHALL BE (3)
3. STEP COLLAR INTO BRICK SPACE BELOW GRADE AS REQUIRED TO PROVIDE MINIMUM COVER
4. COAT COLUMN, BASE PLATE, AND ANCHOR RODS WITH ASPHALT PAINT PRIOR TO POURING CONCRETE COLLAR. 5. DETAIL IS TYPICAL AT SLAB ON GRADE ONLY

2 TYP. COLUMN COLLAR (CORNER CONDITION_ALT.)
3/4" = 1'-0"



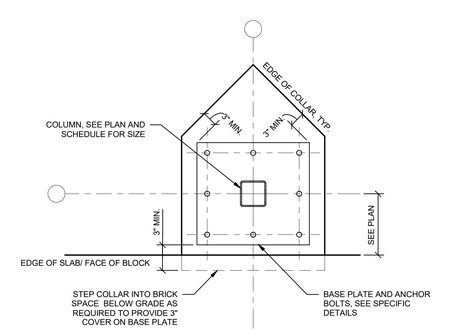
NOTES:
1. TOP OF COLLAR SHALL MATCH TOP OF ADJACENT SLAB. COORDINATE WITH UPFIT SLAB REQUIREMENTS
2. PROVIDE #3 TIES (2-PIECE "U" SHAPED) @ 8" O.C. VERTICALLY IN COLLAR. MIN. NUMBER OF TIES SHALL BE (3)
3. STEP COLLAR INTO BRICK SPACE BELOW GRADE AS REQUIRED TO PROVIDE MINIMUM COVER
4. COAT COLUMN, BASE PLATE, AND ANCHOR RODS WITH ASPHALT PAINT PRIOR TO POURING CONCRETE COLLAR. 5. DETAIL IS TYPICAL AT SLAB ON GRADE ONLY

3 TYP. COLUMN COLLAR (CORNER CONDITION_ALT_2.)
3/4" = 1'-0"



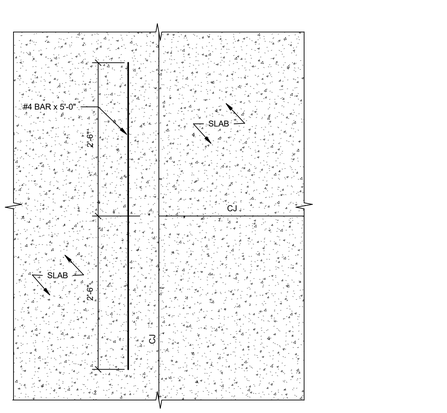
NOTES:
1. TOP OF COLLAR SHALL MATCH TOP OF ADJACENT SLAB. COORDINATE WITH UPFIT SLAB REQUIREMENTS
2. PROVIDE #3 TIES (2-PIECE "U" SHAPED) @ 8" O.C. VERTICALLY IN COLLAR. MIN. NUMBER OF TIES SHALL BE (2)
3. COAT COLUMN, BASE PLATE, AND ANCHOR RODS WITH ASPHALT PAINT PRIOR TO POURING CONCRETE COLLAR. 4. DETAIL IS TYPICAL AT SLAB ON GRADE ONLY.
5. COLLAR ORIENTATION (DIAMOND SHAPE) MAY VARY. COORDINATE WITH PLAN
6. COORDINATE COLLAR GEOMETRY WITH SPECIFIC PLAN DETAILS

4 TYP. COLUMN COLLAR (INTERIOR CONDITION)
1" = 1'-0"

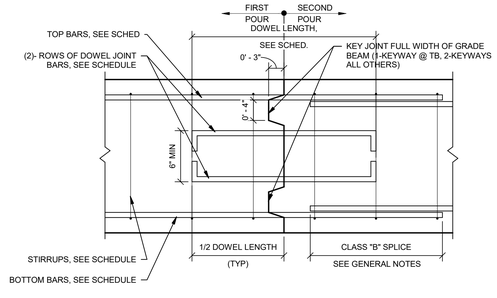


NOTES:
1. TOP OF COLLAR SHALL MATCH TOP OF ADJACENT SLAB. COORDINATE WITH UPFIT SLAB REQUIREMENTS
2. PROVIDE #3 TIES (2-PIECE "U" SHAPED) @ 8" O.C. VERTICALLY IN COLLAR. MIN. NUMBER OF TIES SHALL BE (3)
3. STEP COLLAR INTO BRICK SPACE BELOW GRADE AS REQUIRED TO PROVIDE MINIMUM COVER
4. COAT COLUMN, BASE PLATE, AND ANCHOR RODS WITH ASPHALT PAINT PRIOR TO POURING CONCRETE COLLAR. 5. DETAIL IS TYPICAL AT SLAB ON GRADE ONLY
6. COORDINATE COLLAR GEOMETRY WITH SPECIFIC PLAN DETAILS

5 TYP. COLUMN COLLAR (PERIMETER CONDITION)
1" = 1'-0"



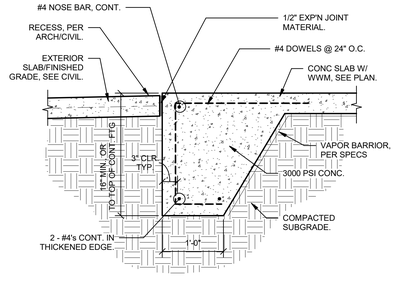
6 TYP. CJ DYING INTO CJ
1" = 1'-0"



JOINT DOWEL BAR SCHEDULE				
ELEMENT	DOWEL SIZE	# DOWELS PER ROW	DOWEL JOINT BAR LENGTH	END TREATMENT
TB16	#5	(2)	SEE NOTE 5	NONE
GB20	#8	(4)	SEE NOTE 5	STD. 90° HOOK
GB40	#8	(7)	SEE NOTE 5	STD. 90° HOOK

NOTES:
1. EXTEND REINFORCING FROM FIRST POUR THRU BULKHEAD ADEQUATE DISTANCE TO ENSURE A CLASS "B" SPLICE WITH REINFORCING FOR SECOND POUR.
2. BULKHEAD FOR FIRST POUR SHALL BE REMOVED AFTER INITIAL SET AND CONCRETE ROUGHENED TO A MINIMUM 1/4" AMPLITUDE.
3. LOCATE GRADE BEAM COLD JOINTS AT THIRD POINTS BETWEEN PILE CAPS AND/OR SUPPORTING GRADE BEAMS.
4. DO NOT LOCATED COLD JOINTS WITHIN REGIONS OF TOP OR BOTTOM BAR SPLICES
5. SEE SCHEDULE FOR DEVELOPMENT LENGTH OF BAR ON EACH SIDE OF JOINT.

7 TYP. GB/TB SPLICE
1" = 1'-0"



8 TYP. EDGE OF SLAB DETAIL FOR EXTERIOR SLAB EDGES
1" = 1'-0"

SEALS

NOTES:

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REVISIONS		
Date 1	1	Revision 1

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EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

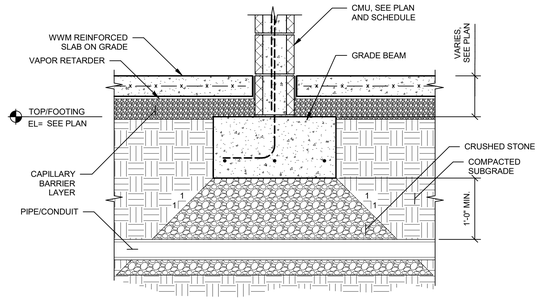
TYPICAL CONCRETE / SLAB DETAILS

SHEET NAME

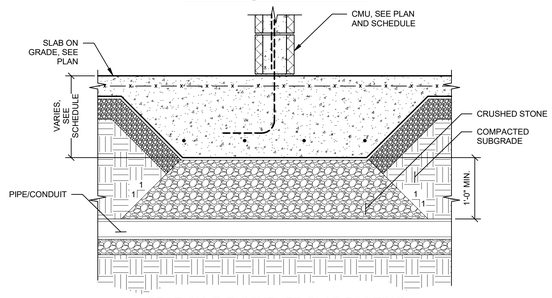
PROJECT NUMBER	22532
DRAWN BY	EH
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S601

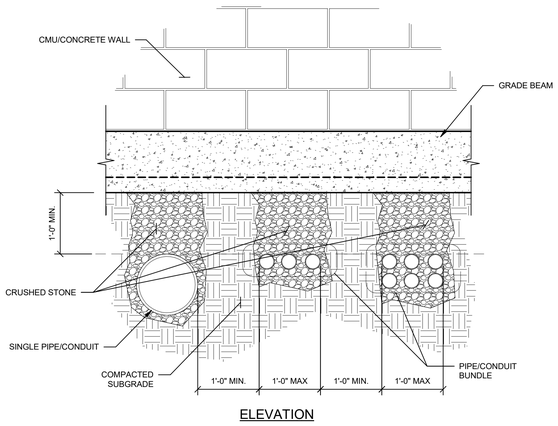
1/10/2025 11:53:38 AM



SECTION @ STRIP FOOTING



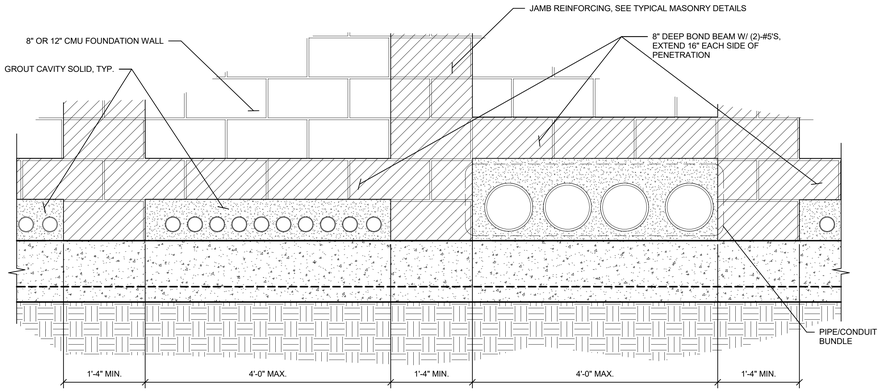
SECTION @ THICKENED SLAB FOOTING



ELEVATION

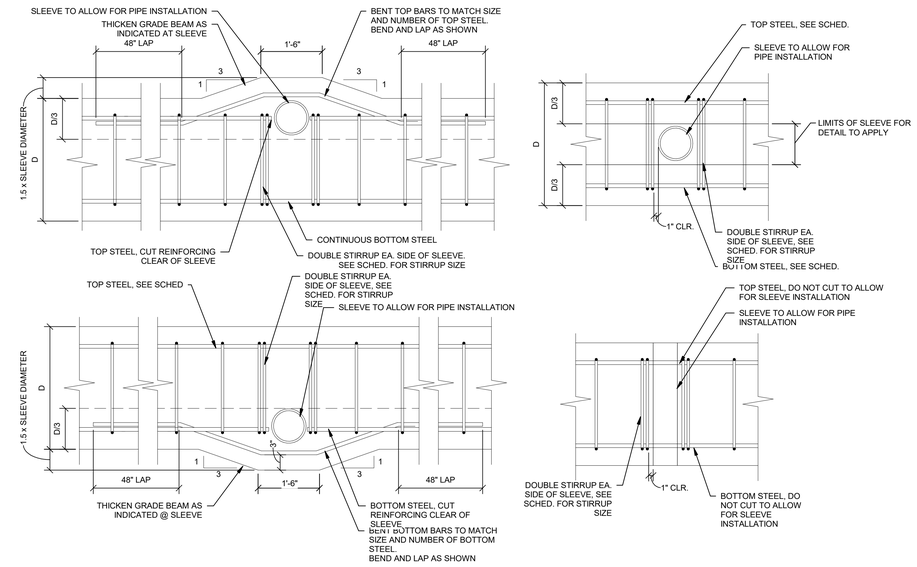
NOTES:
1. TOP OF FOOTING VARIES, COORDINATE WITH PLANS
2. DETAIL IS TYPICAL WHERE PIPE OR CONDUIT IS LESS THAN 2'-0" BELOW BOTTOM OF FOOTING
3. PIPING OR CONDUIT SHALL NOT BE INSTALLED WITH THE TOP OF PIPE LESS THAN 6" BELOW BOTTOM OF FOOTING
4. PIPING OR CONDUIT SHALL NOT BE PERMITTED BELOW SPREAD FOOTINGS

1 TYP. PIPE/CONDUIT BELOW STRIP/THICKENED SLAB FOOTING
1" = 1'-0"

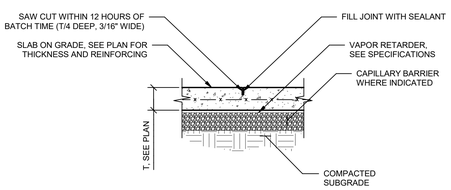


NOTES:
1. SPECIAL LINTEL MAY BE OMITTED WHERE THE BOTTOM OF A CONTINUOUS BOND BEAM OCCURS LESS THAN 16" ABOVE PENETRATION
2. SEE TYPICAL MASONRY DETAILS FOR JAMB REINFORCING AT OPENING
3. PIPING/CONDUIT SHALL NOT BE PERMITTED AT LOCATIONS OF "JAMB REINFORCING" OR SPECIAL MASONRY PIERS AS INDICATED IN PLANS OR TYPICAL DETAILS

2 TYP. PIPE/CONDUIT GROUP PENETRATION @ CMU WALL
1" = 1'-0"

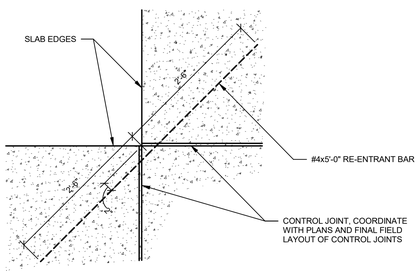


3 TYP. SECTIONS @ PIPE SLEEVES THROUGH GRADE BEAMS
1" = 1'-0"

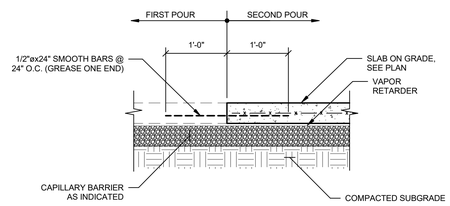


NOTES:
1. PROVIDE JOINTS AS INDICATED ON PLANS
2. PROVIDE JOINTS SO THAT NO ONE SIDE OF A JOINTED SLAB SEGMENT IS MORE THAN 1-1/2 TIMES THE PERPENDICULAR SIDE
3. PROVIDE JOINTS AT ALL DOORWAYS AND RE-ENTRANT CORNERS
4. AT CONTRACTOR'S OPTION JOINTS MAY BE HAND TOOLED

6 TYP. SLAB-ON-GRADE CONTROL JOINT (CJ)
1" = 1'-0"



4 TYP. SLAB RE-ENTRANT CORNER
1" = 1'-0"



5 TYP. SLAB-ON-GRADE CONSTRUCTION JOINT
1" = 1'-0"

SEALS

NOTES:

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Date 1	1	Revision 1
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CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

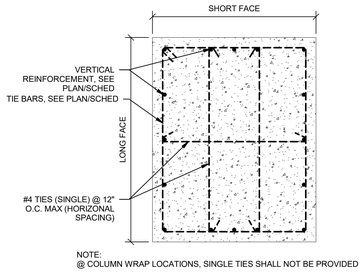
TYPICAL CONCRETE / SLAB DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	EH
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

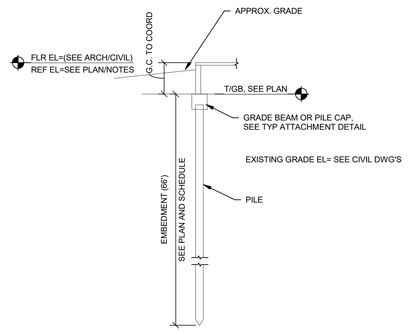
S602

1/10/2025 11:53:39 AM



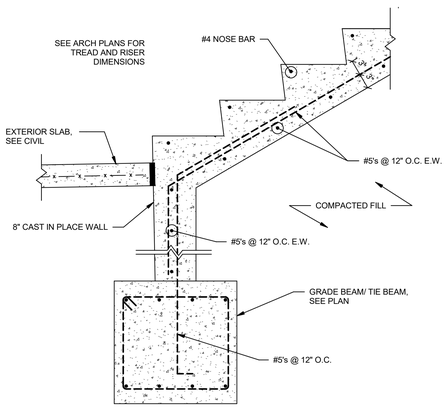
NOTE:
@ COLUMN WRAP LOCATIONS, SINGLE TIES SHALL NOT BE PROVIDED

1 TYP. PIER/COLUMN DETAIL
1" = 1'-0"

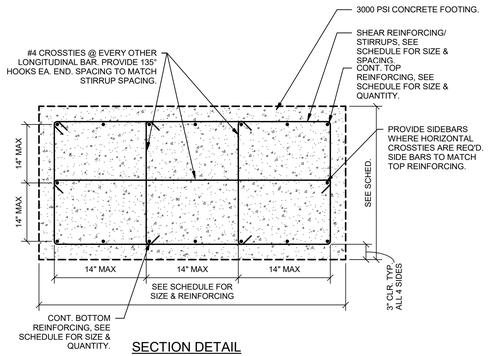


TYPICAL PILE EMBEDMENT SECTION

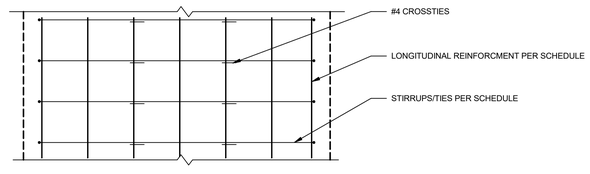
2 TYPICAL PILE EMBEDMENT SECTION
1/8" = 1'-0"



3 CAST-IN-PLACE STAIR DETAIL
1" = 1'-0"

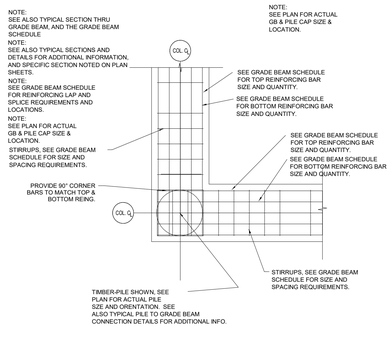


SECTION DETAIL

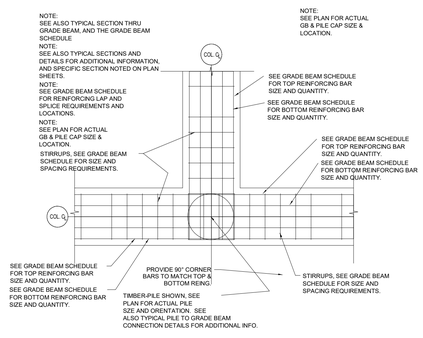


PLAN DETAIL

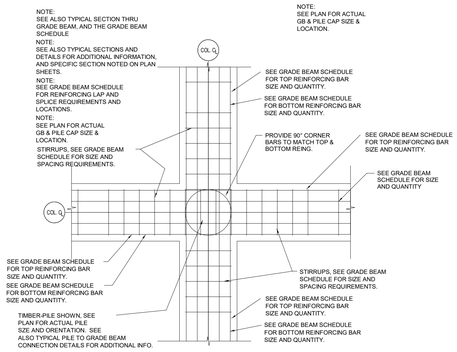
4 FND - TYP. FMT/GB/TB FOOTING
1" = 1'-0"



2-INTESECTING GB'S @ PILE



3-INTESECTING GB'S @ PILE



4-INTESECTING GB'S @ PILE

6 TYP. GRADE BEAM INTERSECTION
3/4" = 1'-0"

SEALS

NOTES:

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HANAHAN, SC 29410
843-566-0161
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Date 1	1	Revision 1
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CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

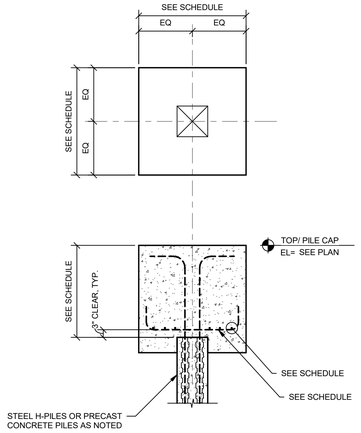
TYPICAL FOUNDATION DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

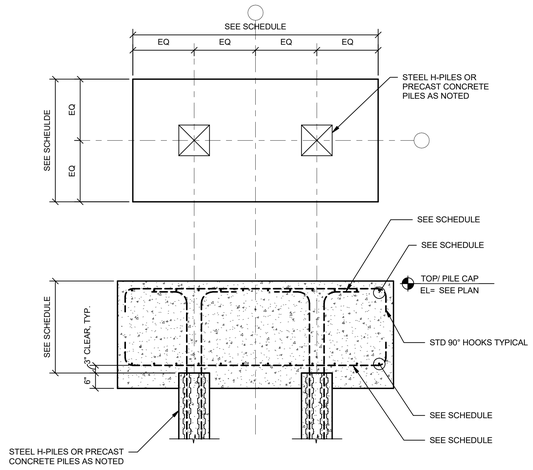
S611

1/10/2025 11:53:40 AM



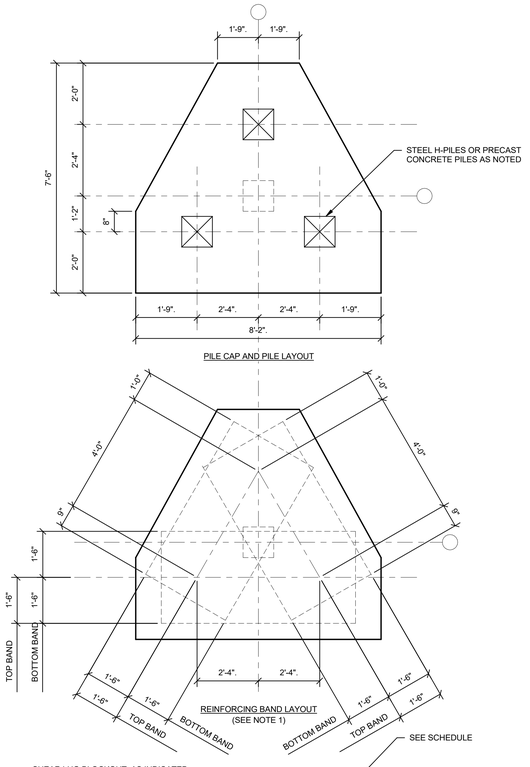
GENERAL NOTES:
A. PROVIDE PRECAST PRESTRESSED CONCRETE PILES UNLESS NOTED AS "HP"
B. ORIENT STEEL H-PILES AS SHOWN ON PLAN

1 TYP. PC1
1/2" = 1'-0"



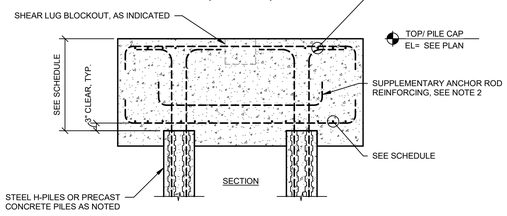
GENERAL NOTES:
A. PROVIDE PRECAST PRESTRESSED CONCRETE PILES UNLESS NOTED AS "HP"
B. ORIENT STEEL H-PILES AS SHOWN ON PLAN

2 TYP. PC2
1/2" = 1'-0"



PILE CAP AND PILE LAYOUT

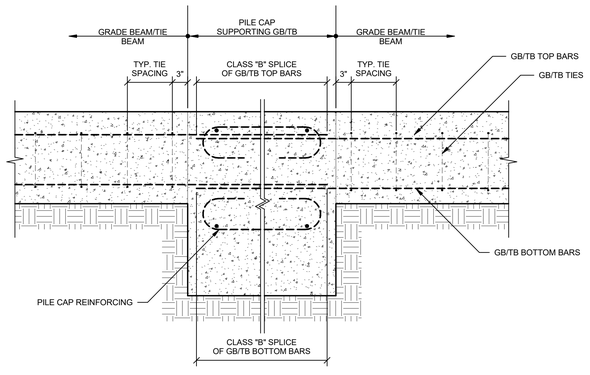
REINFORCING BAND LAYOUT
(SEE NOTE 1)



GENERAL NOTES:
A. PROVIDE PRECAST PRESTRESSED CONCRETE PILES UNLESS NOTED AS "HP"
B. ORIENT STEEL H-PILES AS SHOWN ON PLAN

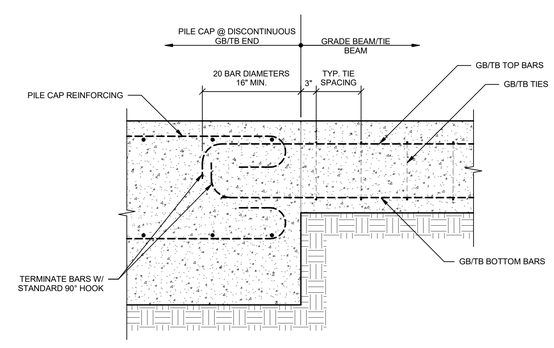
KEYED NOTES:
1. REINFORCING BAND LAYOUT SHOWN IS FOR BOTTOM REINFORCING. TOP REINFORCING BANDS ARE IDENTICAL AT PILE CAPS WITHOUT SHEAR LUG BLOCKOUTS AND SHALL BE ADJUSTED ACCORDINGLY AT PILE CAPS WITH SHEAR LUG BLOCKOUTS.

3 TYP. PC3
1/2" = 1'-0"



GENERAL NOTES:
A. DETAIL IS SIMILAR AT CANTILEVERED GRADE BEAM. SEE OTHER DETAILS FOR FREE END OF CANTILEVER
B. SEE SPLICE DETAIL FOR ADDITIONAL REINFORCING REQUIREMENTS AT COLD JOINTS
C. DETAIL IS SIMILAR WHERE GB IS CONTINUOUS THRU ANOTHER GB
D. SEE OTHER TYPICAL DETAILS WHERE GRADE BEAMS AT OPPOSING SIDES OF PILE CAP VARY IN ELEVATION.

4 TYP. GB/TB CONTINUOUS @ PC
1" = 1'-0"



GENERAL NOTES:
A. DETAIL IS TYPICAL AT DISCONTINUOUS ENDS OF GRADE BEAMS OR TIE BEAMS
B. SEE SPLICE DETAIL FOR ADDITIONAL REINFORCING REQUIREMENTS AT COLD JOINTS
C. DETAIL IS SIMILAR BOTH SIDES OF PILE CAP WHERE GRADE BEAMS ON OPPOSING SIDE OF PILE CAP ARE AT DIFFERENT ELEVATIONS.
D. DETAIL IS SIMILAR BOTH SIDES OF PILE CAP/PEDESTAL WHERE GRADE BEAMS (OR TIE BEAMS) ON OPPOSITES SIDES OF PILE CAP/PEDESTAL ARE DIFFERENT SIZES OR HAVE DIFFERENT REINFORCING

5 TYP. GB/TB TERMINATION @ PC
1" = 1'-0"

ADC ENGINEERING, INC.
NO. 00253
CERTIFICATE OF AUTHORIZATION
SOUTH CAROLINA
No. 28109
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. GILGER
SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

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CONSTRUCTION DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

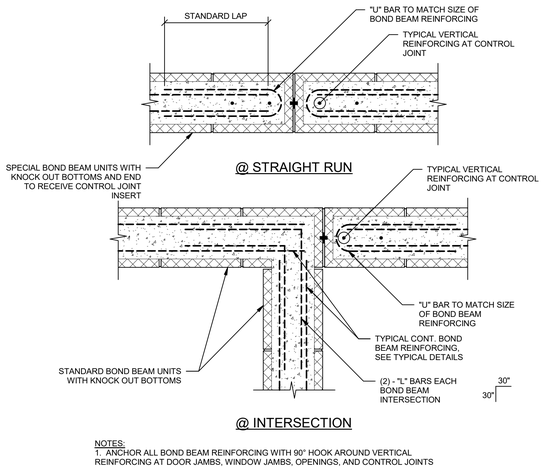
TYPICAL FOUNDATION DETAILS

SHEET NAME

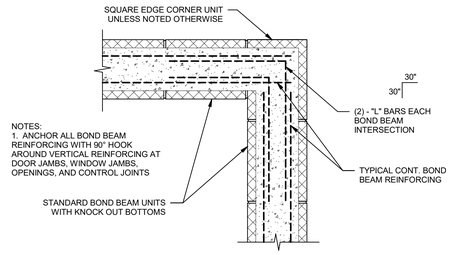
PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S612

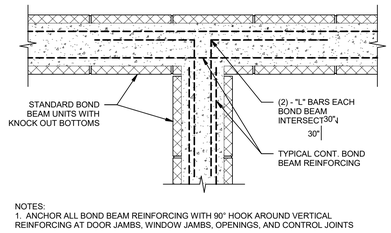
1/10/2025 11:53:40 AM



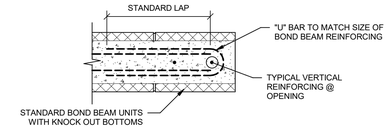
1 CMU - TYP. BOND BEAM REINFORCING (CONTROL JOINT)
1" = 1'-0"



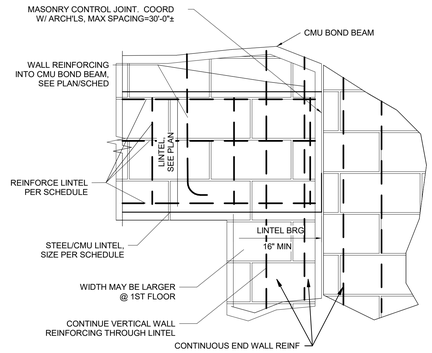
2 CMU - TYP. BOND BEAM REINFORCING (CORNER)
1" = 1'-0"



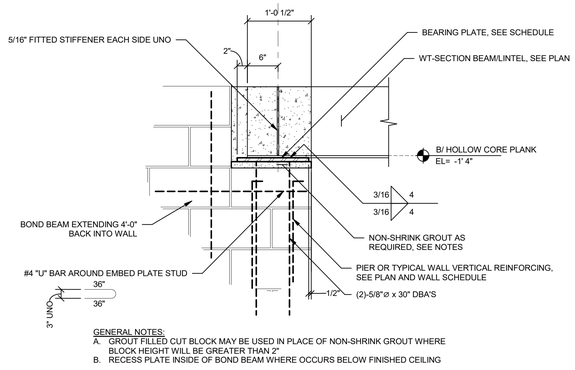
3 CMU - TYP. BOND BEAM REINFORCING (WALL INTERSECTION)
1" = 1'-0"



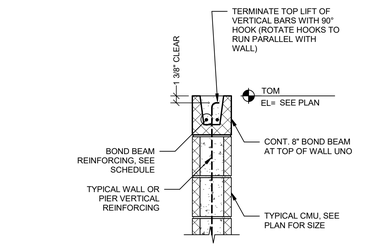
4 CMU - TYP. BOND BEAM REINFORCING (WALL OPENING)
1" = 1'-0"



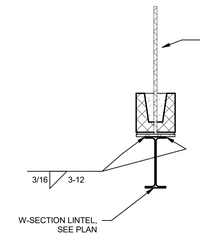
5 CMU - TYP. CMU LINTEL AT CONTROL JOINT2
1" = 1'-0"



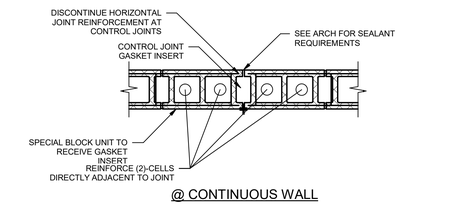
6 TYP. BEAM BEARING PARALLEL TO CMU WALL
1" = 1'-0"



7 CMU - TYP. TOP OF WALL BOND BEAM
1" = 1'-0"

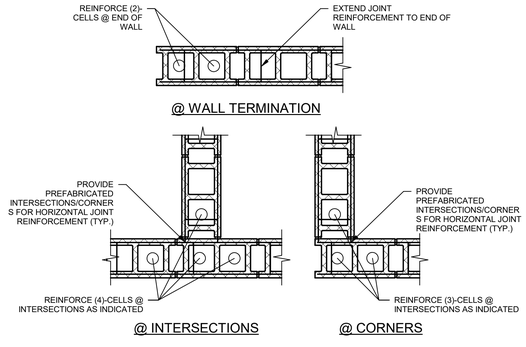


8 CMU - TYP. LINTEL FLANGE PLATE WELD
1" = 1'-0"



NOTES:
1. LOCATE CONTROL JOINTS @ 32'-0" O.C. MAX, AND AS INDICATED ON PLANS.
2. DO NOT LOCATE CONTROL JOINT WITHIN EITHER SIDE OF A BEAM BEARING LOCATION.
3. SEE TYPICAL BOND BEAM REINFORCING DETAILS FOR TERMINATION OF BOND BEAM REINFORCING AT CONTROL JOINTS.
4. SEE ARCHITECTURAL DRAWINGS FOR JOINT FILLER REQUIREMENTS AT RATED WALLS.
5. SEE SPECIFICATIONS AND GENERAL NOTES FOR REBAR POSITIONER REQUIREMENTS.
6. PROVIDE ADDITIONAL GROUT @ FIREWALL AS REQUIRED.

9 CMU - TYP. CMU CONTROL JOINT
1" = 1'-0"



NOTES:
1. COORDINATE THESE TYPICAL DETAILS WITH SPECIFIC PIER DETAILS
2. SEE SCHEDULES AND SECTIONS FOR TYPICAL CMU WALL VERTICAL REINFORCING
3. SEE SPECIFICATIONS AND GENERAL NOTES FOR REBAR POSITIONER REQUIREMENTS

10 CMU - TYP. CMU VERTICAL REINFORCING
1" = 1'-0"

SEALS

NOTES:

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Date 1	1	Revision 1
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CONSTRUCTION DOCUMENTS

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2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

TYPICAL CMU DETAILS

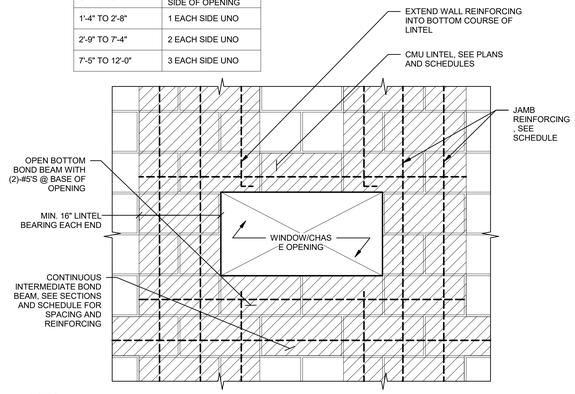
SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S621

1/10/2025 11:53:41 AM

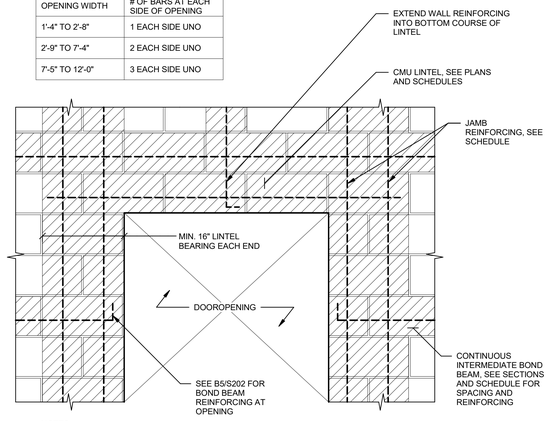
JAMB BAR SCHEDULE	
OPENING WIDTH	# OF BARS AT EACH SIDE OF OPENING
1'-4" TO 2'-8"	1 EACH SIDE UNO
2'-9" TO 7'-4"	2 EACH SIDE UNO
7'-5" TO 12'-0"	3 EACH SIDE UNO



NOTES:
1. JAMB BAR SIZE SHALL MATCH TYPICAL ADJACENT WALL REINFORCING SIZE
2. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" O.C. VERTICALLY AND FIRST COURSE ABOVE AND BELOW OPENING, EXTEND MIN. OF 24" PAST OPENING
3. LINTELS SHALL BE CONSTRUCTED OF STANDARD "U" SHAPED UNITS (NOT BOND BEAM UNITS)
4. JAMB REINFORCING SHALL BE CONTINUOUS FROM FOOTING, GIRT, OR DIAPHRAGM LEVEL BELOW TO DIAPHRAGM LEVEL, GIRT OR TOP OF WALL ABOVE
5. DETAIL IS TYPICAL ALL OPENINGS GREATER THAN 1'-0" WIDE
6. COORDINATE JAMB BARS WITH SPECIFIC CMU PIER DETAILS WHERE INDICATED

1 CMU - TYP. CMU CONSTRUCTION (@ OPENING)
1" = 1'-0"

JAMB BAR SCHEDULE	
OPENING WIDTH	# OF BARS AT EACH SIDE OF OPENING
1'-4" TO 2'-8"	1 EACH SIDE UNO
2'-9" TO 7'-4"	2 EACH SIDE UNO
7'-5" TO 12'-0"	3 EACH SIDE UNO



NOTES:
1. JAMB BAR SIZE SHALL MATCH TYPICAL ADJACENT WALL REINFORCING SIZE
2. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" O.C. VERTICALLY AND FIRST COURSE ABOVE AND BELOW OPENING, EXTEND MIN. OF 24" PAST OPENING
3. LINTELS SHALL BE CONSTRUCTED OF STANDARD "U" SHAPED UNITS (NOT BOND BEAM UNITS)
4. JAMB REINFORCING SHALL BE CONTINUOUS FROM FOOTING, GIRT, OR DIAPHRAGM LEVEL BELOW TO DIAPHRAGM LEVEL, GIRT OR TOP OF WALL ABOVE
5. DETAIL IS TYPICAL ALL OPENINGS GREATER THAN 1'-0" WIDE
6. COORDINATE JAMB BARS WITH SPECIFIC CMU PIER DETAILS WHERE INDICATED

2 CMU - TYP. CMU CONSTRUCTION (@ DOOR)
1" = 1'-0"

SEALS

NOTES:

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TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

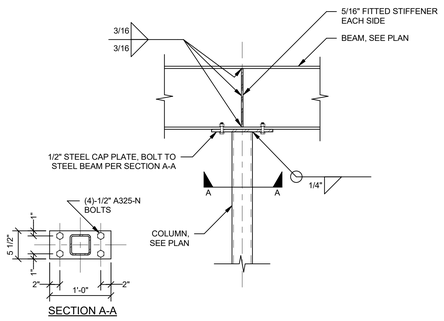
TYPICAL CMU DETAILS

SHEET NAME

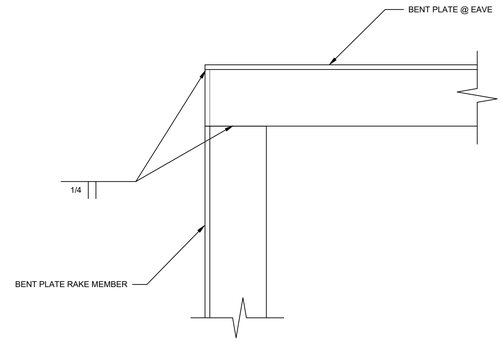
PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S622

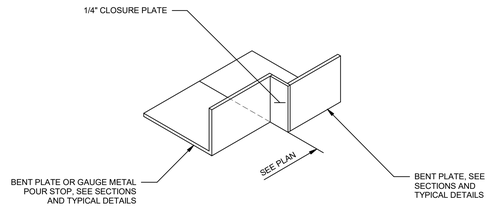
1/10/2025 11:53:41 AM



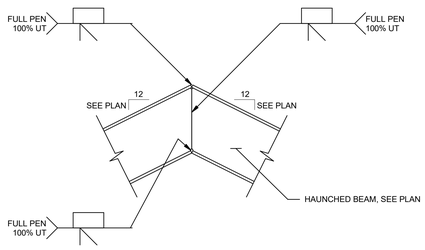
1 TYP. BEAM OVER COLUMN CONNECTION
1" = 1'-0"



2 TYP. EDGE ANGLES/BENT PLATES AT ROOF CORNER (BUTT WELDED)
3" = 1'-0"



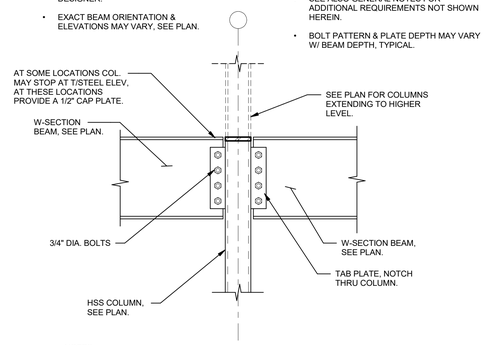
3 TYP. BENT PLATE POUR STOP OFFSET
1" = 1'-0"



5 TYP. HAUNCHED BEAM
1" = 1'-0"

NOTE:
- PLATES & WELDS MAY BE UPSIZED AS REQUIRED BY THE CONNECTION DESIGNER.
- EXACT BEAM ORIENTATION & ELEVATIONS MAY VARY, SEE PLAN.

NOTE:
- COPE BEAMS AS REQUIRED, TYPICAL.
- SEE ALSO GENERAL NOTES FOR ADDITIONAL REQUIREMENTS NOT SHOWN HEREIN.
- BOLT PATTERN & PLATE DEPTH MAY VARY W/ BEAM DEPTH, TYPICAL.

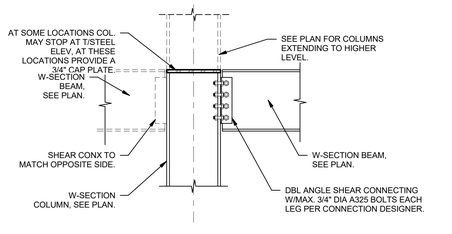


NOTES:
1. ALL MATERIAL, FINISH, AND WORKMANSHIP THIS DETAIL SHALL MEET AISC AESS CRITERIA.

6 TYP. SHEAR CONNECTION (W-SECTION BEAM TO HSS COL. FLANGE.)
1" = 1'-0"

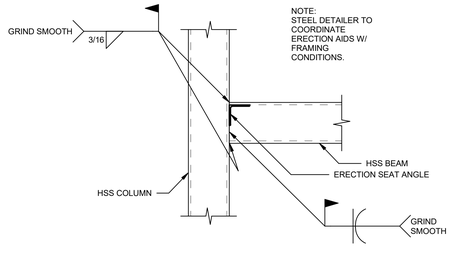
NOTE:
- ONE OF THE BEAMS SHOWN HEREIN MAY BE A MOMENT FRAME BEAM, COORD. W/ PLANS & TYPICAL DETAILS.
- ANGLES & WELDS MAY BE UPSIZED AS REQUIRED BY THE CONNECTION DESIGNER.
- SEE PLANS & DETAILS FOR MOMENT CONNECTION REQUIREMENTS.

NOTE:
- EXACT BEAM ORIENTATION & ELEVATIONS MAY VARY, SEE PLAN.
- COPE BEAMS AS REQUIRED, TYPICAL.
- SEE ALSO GENERAL NOTES FOR ADDITIONAL REQUIREMENTS NOT SHOWN HEREIN.
- BOLT PATTERN & PLATE DEPTH MAY VARY W/ BEAM DEPTH, TYPICAL.



NOTES:
1. ALL MATERIAL, FINISH, AND WORKMANSHIP THIS DETAIL SHALL MEET AISC AESS CRITERIA.

7 TYP. SHEAR CONNECTION (W-SECTION BEAM TO W-SECTION COL. FLANGE.)
3/4" = 1'-0"



NOTES:
1. ALL MATERIAL, FINISH, AND WORKMANSHIP THIS DETAIL SHALL MEET AISC AESS CRITERIA

9 STL - TYP. HSS BEAM TO HSS COLUMN CONNECTION
1" = 1'-0"

SEALS

NOTES:

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Date 1	1	Revision 1
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TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

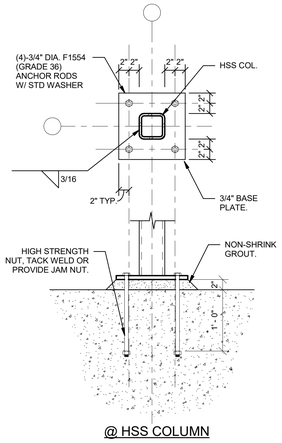
TYPICAL STEEL DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	EH
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

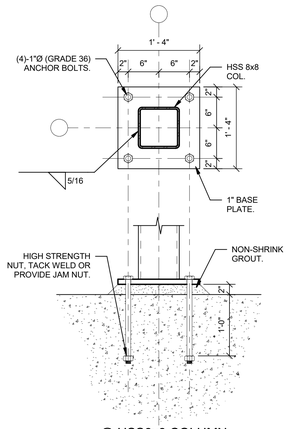
S631

1/10/2025 11:53:42 AM



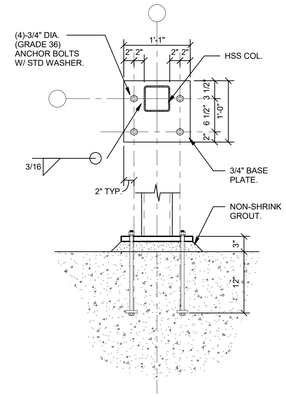
@ HSS COLUMN

1 TYP. HSS COLUMN BASE PLATE DETAIL
1" = 1'-0"



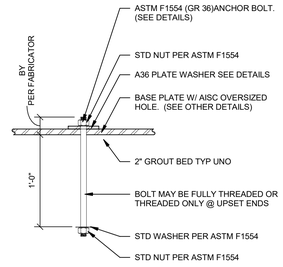
@ HSS8x8 COLUMN

2 TYPICAL BASE PLATE DETAIL @ HSS8x8
1" = 1'-0"



@ OFFSET HSS COLUMN

3 TYPICAL OFFSET BASE PLATE DETAIL
1" = 1'-0"



4 TYP. ANCHOR BOLT DETAIL
1 1/2" = 1'-0"

5 TYPICAL WOOD POST BASE PLATE DETAIL
1" = 1'-0"

SEALS

NOTES:

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Date 1	1	Revision 1
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BEACH TOWN HALL

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EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

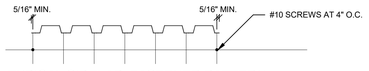
TYPICAL BASE PLATE DETAILS

SHEET NAME

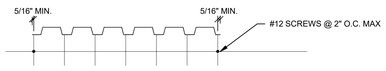
PROJECT NUMBER	22532
DRAWN BY	EH
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

S641

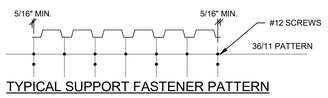
1/10/2025 11:53:43 AM



TYPICAL SIDELAP FASTENER PATTERN
(DECK TO DECK)



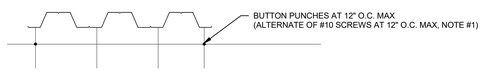
TYPICAL SIDELAP FASTENER PATTERN
(DECK TO BOUNDARY)



TYPICAL SUPPORT FASTENER PATTERN

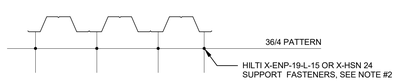
NOTES:
1. DECK SHALL BE INSTALLED IN SUCH A MANNER THAT HEAD OF FASTENERS HAS FULL BEARING ON DECK WITHOUT BEING OVERDRIVEN (SEE FASTENER MANUFACTURER INSTRUCTIONS), & DECK SHALL BE INSTALLED SO THAT UNDERSIDE OF DECK IS FLUSH-BEARING AGAINST FRAMING SUPPORTS. SEE SPECS FOR OTHER SIDELAP & BEARING REQUIREMENTS.
2. SUPPORT ATTACHMENT PATTERN IS TYPICAL AT EACH JOIST OR BEAM (SEE PLAN FOR LOCATIONS WITH UNIQUE ATTACHMENT PATTERN.)
3. CONTRACTOR TO PROVIDE HIP, RIDGE AND VALLEY PLATES FOR DECK SUPPORT. FASTEN DECK PLATES PER TYPICAL SUPPORT OR SIDELAP FASTENING REQUIREMENT
4. PROVIDE HIP, RIDGE, AND VALLEY PLATES PLATES AT ALL CHANGES IN SLOPES. PLATES TO BE EQUAL TO OR GREATER THAN GAUGE OF ASSOCIATED DECK.FASTEN PLATES TO DECK W/ SIDELAP FASTENERS AT PATTERN FOR SIDELAPS.
5. AT VENTED RIDGE CONDITIONS PROVIDE HIP PLATES AT ALTERNATING FRAMING SPACES AND FASTEN TO DECK WITH TYPICAL SIDELAP FASTENER AT 1/2 THE TYPICAL SIDELAP FASTENER SPACING

1 TYP. 18 GAGE 1.5 ROOF DECK ATTACHMENT (COLD FORMED FRAMING/TRUSSES)
1" = 1'-0"



TYPICAL SIDELAP FASTENER PATTERN
(DECK TO DECK)

TYPICAL SIDELAP FASTENER PATTERN
(DECK TO BOUNDARY STEEL)



TYPICAL SUPPORT FASTENER PATTERN

GENERAL NOTES:
A. DECK SHALL BE INSTALLED IN SUCH A MANNER THAT HEAD OF FASTENERS HAS FULL BEARING ON DECK WITHOUT BEING OVER-DRIVEN (SEE FASTENER MANUFACTURER INSTRUCTIONS), & DECK SHALL BE INSTALLED SO THAT UNDER-SIDE OF DECK IS FLUSH-BEARING AGAINST FRAMING SUPPORTS. SEE SPECS FOR OTHER SIDELAP & BEARING REQUIREMENTS.
B. SUPPORT ATTACHMENT PATTERN IS TYPICAL AT EACH JOIST OR BEAM (SEE PLAN FOR LOCATIONS WITH UNIQUE ATTACHMENT PATTERN.)
C. COORDINATE FASTENER SEQUENCE WITH DECK LAYOUT AT CORNERS. MULTIPLE FASTENINGS MAY BE REQUIRED.
D. SEE SPECIFICATIONS FOR FASTENER INSTALLER CERTIFICATION REQUIREMENTS
E. IMMEDIATELY UPON PLACING DECK AND BEFORE FASTENING DECK MARK PROTECTED ZONE OF STRUCTURE BELOW WITH PROTECTION ZONE MARKING PAINT.

KEYED NOTES:
1. USE OF SCREWS AT SIDELAPS REQUIRES INTERLOCKING SIDE LAP WITH EXTENSION PROVIDING FOR SCREW FASTENING
2. SELECT THE APPROPRIATE FASTENER TYPE OPTION BASED ON SUBSTRATE THICKNESS IN ACCORDANCE WITH ICC REPORT. IT IS LIKELY THAT BOTH OPTIONS WILL BE REQUIRED ON THE PROJECT. PRIOR TO BEGINNING INSTALLATION MARK TOP SIDE OF DECK IN A COLOR CODED FASHION THAT IDENTIFIES WHICH FASTENING OPTION IS TO APPLIED AT EACH SUPPORT.

2 TYP. COMPOSITE FLOOR DECK ATTACHMENT (HILTI FASTENERS)
1" = 1'-0"

SEALS

NOTES:

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BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

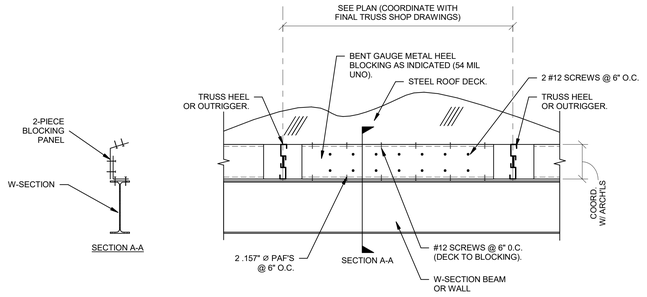
TYPICAL STEEL DECK DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

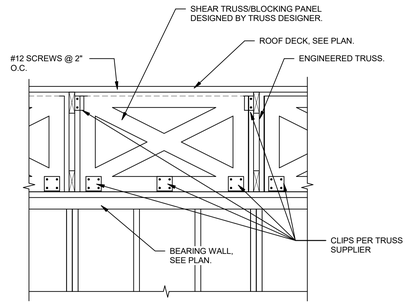
S661

1/10/2025 11:53:43 AM



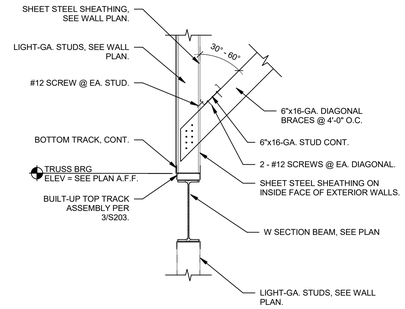
NOTE:
1. SEE SPECIFIC SECTIONS FOR HEEL BLOCKING GEOMETRY AND GAUGE.

1 TYP. "LOW" HEEL BLOCKING DETAIL
3/4" = 1'-0"

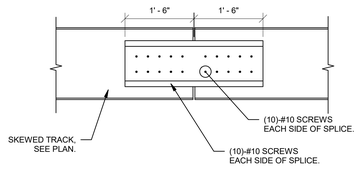


NOTES:
1. SHEAR TRUSSES / BLOCKING PANELS SHALL BE DESIGNED TO TRANSMIT 700 LB/FT ALLOWABLE LATERAL LOAD (IN TRUSS PLANE) FROM TOP CHORD TO BEAM/ WALL BELOW (NO STRESS INCREASE).
2. ALL SHEAR TRUSS/ BLOCKING PANEL CONNECTIONS SHALL BE DESIGNED BY THE TRUSS DESIGNER TO RESIST ALL SHEAR AND RESULTING OVERTURNING FORCES.
3. COORD W/ MECH FOR DUCTWORK OPENINGS.

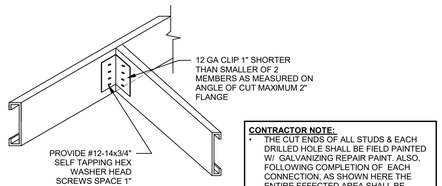
2 TYPICAL "HIGH" HEEL BLOCKING DETAIL (GREATER THAN 12")
3/4" = 1'-0"



3 TYP. GABLE WALL BRACING DETAIL & PARTITION WALL BRACING DETAIL
3/4" = 1'-0"

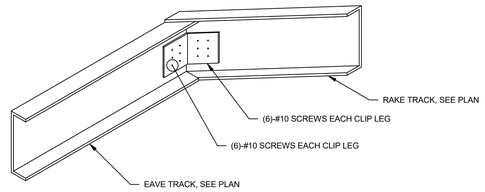


4 TYP. EAVE/RAKE TRACK SPLICE DETAIL
3/4" = 1'-0"



CONTRACTOR NOTE:
- THE CUT ENDS OF ALL STUDS & EACH DRILLED HOLE SHALL BE FIELD PAINTED W/ GALVANIZING REPAIR PAINT. ALSO, FOLLOWING COMPLETION OF EACH CONNECTION, AS SHOWN HERE THE ENTIRE EFFECTED AREA SHALL BE PAINTED W/ GALVANIZING REPAIR PAINT, ALL SIDES

5 TYP. METAL STUD RAFTER TO RAFTER CONNECTION
3/4" = 1'-0"



6 TYP. LIGHT GAUGE PITCHED ROOF CORNER
1" = 1'-0"

Strap Bracing Schedule (Typical All Sheets)

Brace Mark	Number of Faces	End Studs (Back-to-Back) (Chord) ①	Top Track ②	Bottom Track ③	Strap Size ④	Gusset Plate ⑤	Hold Down/ Anchorage ⑥	Shear Anchors ⑦	Vertical Screws Gusset Plate to Chord ⑧	Horizontal Screws Gusset Plate to Track ⑨	Tension Screws, Gusset Plate to Strap And @ Splice ⑩	Minimum Width ⑪	Maximum Height ⑫
B1	TWO	2-600S162-54 MIL	600T250-68 MIL	600T250-68 MIL	6" - 54 MIL	54 MIL Gussets	SIMPSON LTT, w/ HILTI HUS EZ ANCHORS	HILTI HUS EZ ANCHORS	22 - #12 Screws	20 - #12 Screws	30 - #12 Screws	10' - 0"	10' - 8"
B2	TWO	2-600S162-68 MIL	600T250-68 MIL	600T250-68 MIL	6" - 54 MIL	54 MIL Gussets	SIMPSON LTT, w/ HILTI HUS EZ ANCHORS	HILTI HUS EZ ANCHORS	23 - #12 Screws	11 - #12 Screws	26 - #12 Screws	6' - 0"	10' - 8"
B3	TWO	2-600S162-54 MIL	600T250-68 MIL	600T250-68 MIL	6" - 54 MIL	54 MIL Gussets	SIMPSON LTT, w/ HILTI HUS EZ ANCHORS	HILTI HUS EZ ANCHORS	13 - #12 Screws	3 - #12 Screws	13 - #12 Screws	3' - 6"	14' - 0"

GENERAL NOTES:

ALL SCREWS/ FASTENERS INDICATED HEREIN SHALL BE #12 SELF TAPPING/ DRILLING SCREWS.

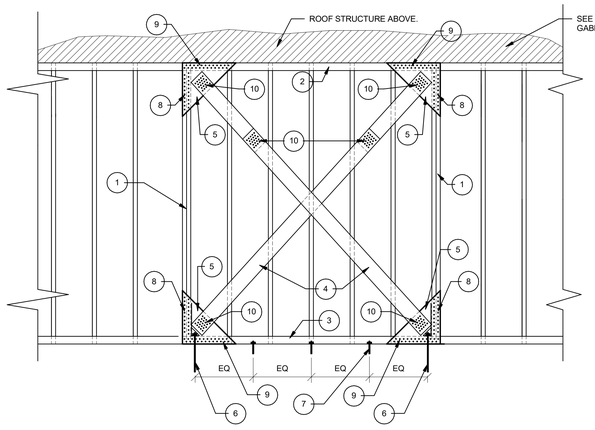
ALL SCREWS/ FASTENERS INDICATED HEREIN SHALL BE FLAT, PAN OR WAFER TYPE SCREWS, TO MINIMIZE INTERFERENCE WITH THE SHEATHING.

MINIMUM SCREW SPACING SHALL BE 1" ALL AROUND W/ MINIMUM 1/2" EDGE DISTANCE.

G.C. SHALL BE RESPONSIBLE FOR SIZING GUSSET PLATE TO PROVIDE ENOUGH ROOM FOR ALL SCREWS.

ALL MATERIAL INDICATED IN THIS SCHEDULE SHALL BE 50 KSI.

7 TYP. LIGHT GAGE STRAP BRACING SCHEDULE
12" = 1'-0"



8 TYP. METAL STUD CROSS BRACING ELEVATION @ ONE STORY WALL
1" = 1'-0"

NOTES:

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HANAHAN, SC 29410
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Date 1	1	Revision 1
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2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

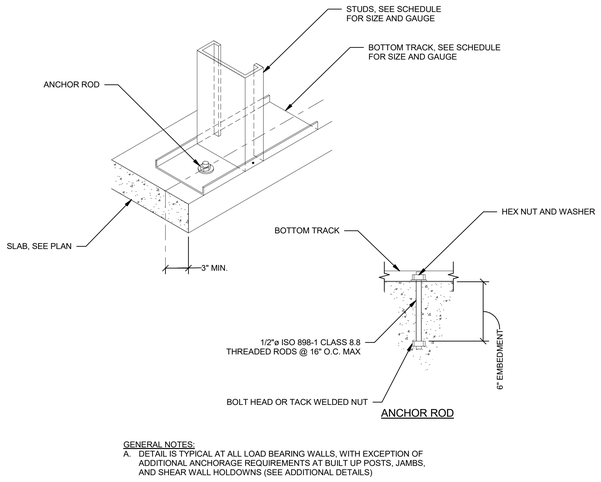
TYPICAL COLD FORMED METAL FRAMING DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	EH
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

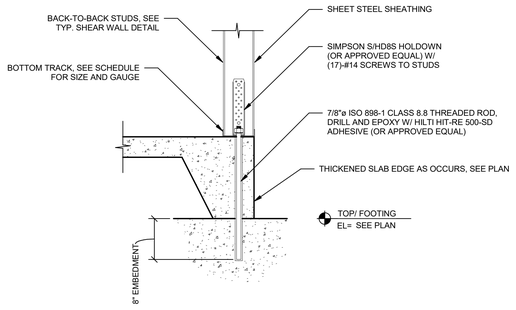
S671

1/10/2025 11:53:44 AM



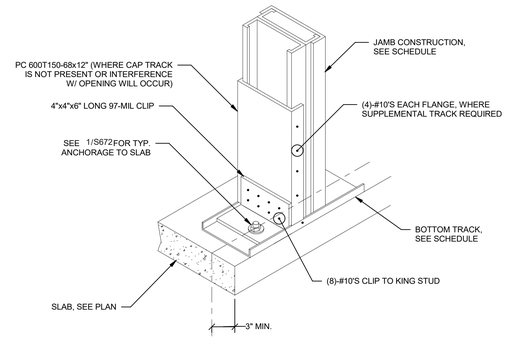
GENERAL NOTES:
A. DETAIL IS TYPICAL AT ALL LOAD BEARING WALLS, WITH EXCEPTION OF ADDITIONAL ANCHORAGE REQUIREMENTS AT BUILT UP POSTS, JAMBS, AND SHEAR WALL HOLDOWNS (SEE ADDITIONAL DETAILS)

1 TYP. BOTTOM TRACK ANCHORAGE TO SLAB
1" = 1'-0"



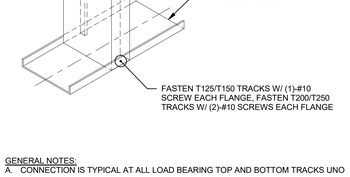
GENERAL NOTES:
A. AT INTERIOR SHEAR WALLS ON THICKENED SLAB FOOTINGS, 8" EMBEDMENT SHALL BE TAKEN FROM THE TOP OF SLAB

2 TYP. SHEARWALL ANCHORAGE ATTACHMENT
1" = 1'-0"



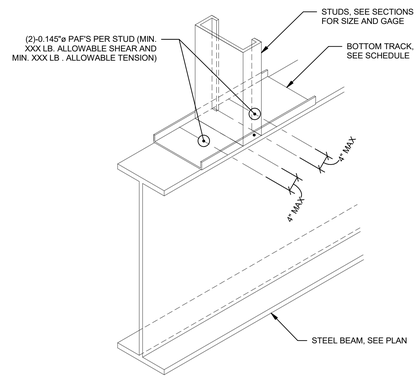
GENERAL NOTES:
A. DO NOT OVERSIZE HOLE IN CLIP ANGLE
B. CLIP ANGLE SHALL BE DIRECTLY ATTACHED TO KING STUD CONSTRUCTION
C. COORDINATE WITH 2/S672"OR SPECIAL ANCHORAGE AT THE END OF SHEAR WALLS

3 TYP. JAMB POST BASE
1" = 1'-0"

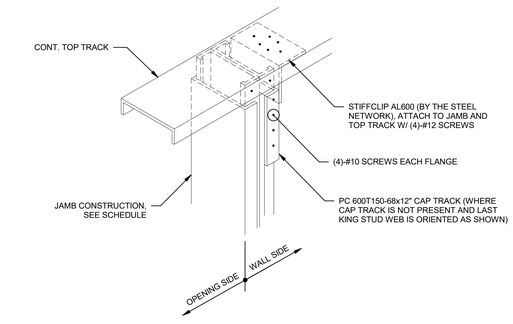


GENERAL NOTES:
A. CONNECTION IS TYPICAL AT ALL LOAD BEARING TOP AND BOTTOM TRACKS UNO

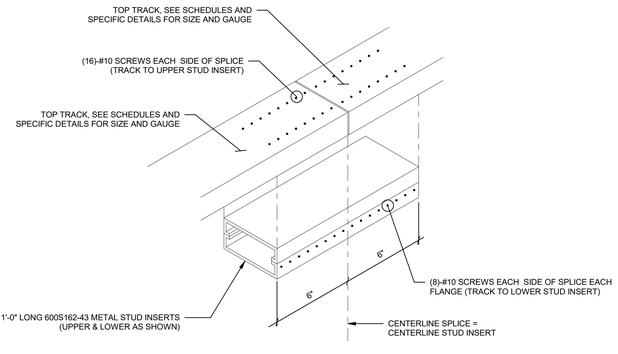
13 TYP. TRACK TO STUD CONNECTION
1" = 1'-0"



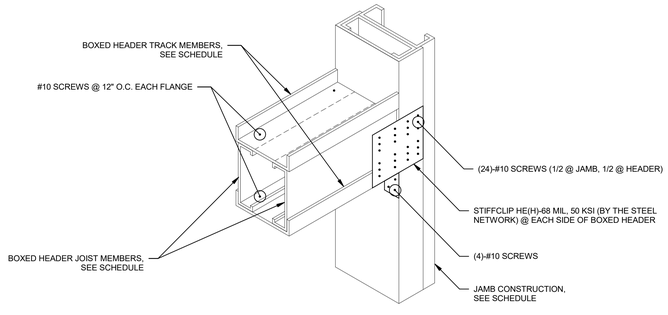
4 TYP. STUD BASE TO STEEL BEAM
1" = 1'-0"



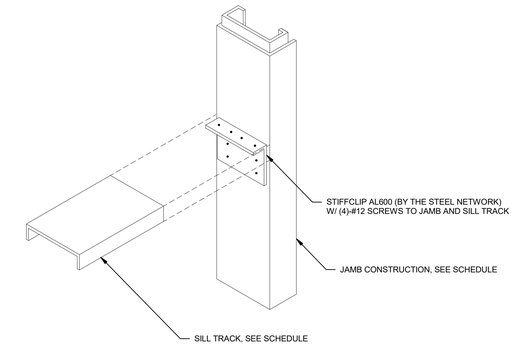
5 TYP. JAMB HEAD DETAIL
1" = 1'-0"



7 TYP. TOP TRACK SPLICE
1" = 1'-0"



8 TYP. BOXED HEADER (TSN STIFFCLIP HE)
1" = 1'-0"



9 TYP. LOAD BEARING/EXTERIOR WALL SILL (TSN STIFFCLIP AL)
1" = 1'-0"

ADC ENGINEERING, INC. NO. 00253
SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
No. 28109
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. GILGER
SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEAICOE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

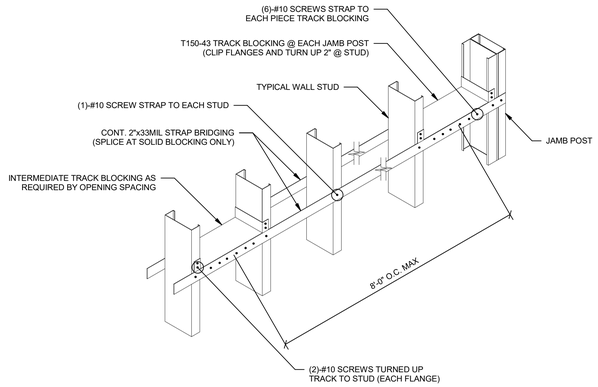
TYPICAL COLD FORMED METAL FRAMING DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

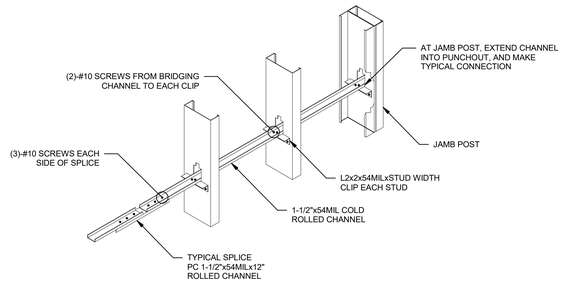
S672

1/10/2025 11:53:44 AM



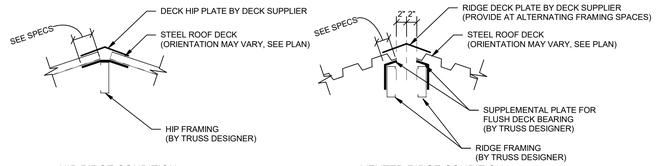
GENERAL NOTES:
A. PROVIDE BRIDGING AT 4'-0" O.C. MAX AT ALL EXTERIOR AND/OR LOAD BEARING WALLS
B. PROVIDE ADDITIONAL TRACK BLOCKING AT ALL BRIDGING TERMINATIONS AND SPLICES
C. FASTEN EACH END OF BRIDGING SPLICES WITH A MINIMUM OF (4)-#10 TEK SCREWS TO TRACK BLOCKING
D. BRIDGING MAY BE OMITTED ON SHEATHED FACE OF WALLS TO RECEIVE PLYWOOD SHEATHING

1 TYP. BRIDGING (FLAT STRAP OPTION)
1" = 1'-0"



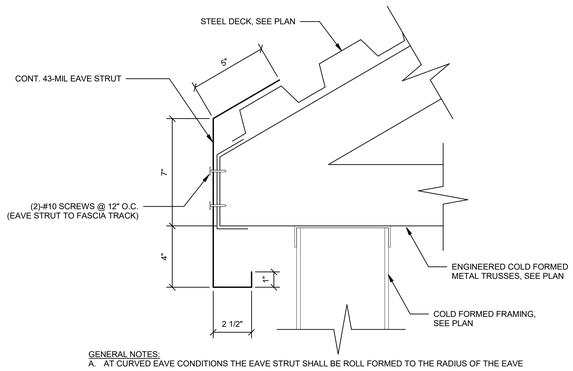
GENERAL NOTES:
A. PROVIDE BRIDGING AT 4'-0" O.C. MAX AT ALL EXTERIOR AND/OR LOAD BEARING WALLS
B. PROVIDE ADDITIONAL TRACK BLOCKING AT ALL BRIDGING TERMINATIONS AND SPLICES
C. FASTEN EACH END OF BRIDGING SPLICES WITH A MINIMUM OF (4)-#10 TEK SCREWS TO TRACK BLOCKING

2 TYP. BRIDGING (COLD ROLLED CHANNEL OPTION)
1" = 1'-0"



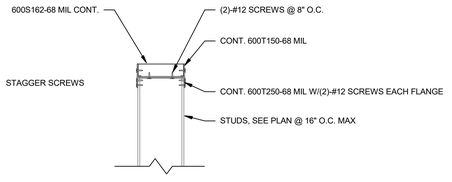
3 TYP. DECK BEARING DETAILS (@ COLD FORMED TRUSSES/FRAMING)
1" = 1'-0"

4 TYP. JAMB HEAD @ STEEL BEAM
1" = 1'-0"



GENERAL NOTES:
A. AT CURVED EAVE CONDITIONS THE EAVE STRUT SHALL BE ROLL FORMED TO THE RADIUS OF THE EAVE

5 TYP. EAVE STRUT
3" = 1'-0"



6 TYPICAL LOAD BEARING WALL TOP TRACK/DISTRIBUTION HDR DETAIL
1 1/2" = 1'-0"

SEALS

NOTES:

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1226 YEAMANS HALL ROAD
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ADCENGINEERING.COM

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

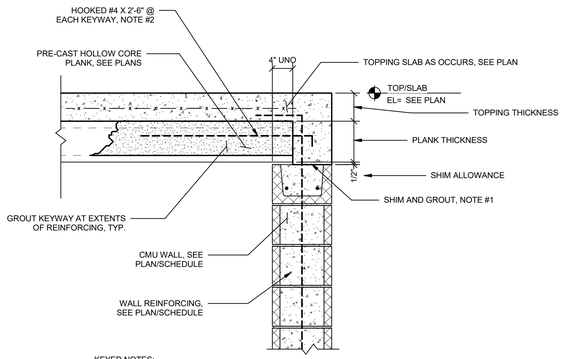
TYPICAL COLD FORMED METAL FRAMING DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	As indicated

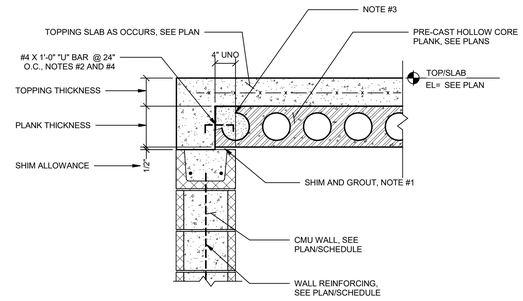
S673

1/10/2025 11:53:45 AM



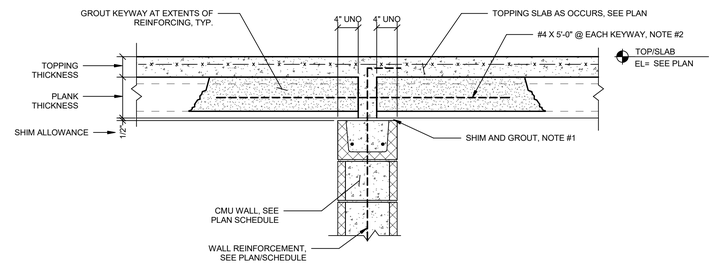
KEYED NOTES:
1. COORDINATE SHIM AND GROUT REQUIREMENTS WITH FIELD USE SHOP DRAWINGS
2. REINFORCING NOTED IS MINIMUM, COORDINATE ANY ADDITIONAL ON VARYING REINFORCEMENT WITH DELEGATED DESIGN AND FIELD USE SHOP DRAWINGS

1 TYP PLANK BEARING @ CMU WALL (1-SIDE)
1" = 1'-0"



KEYED NOTES
1. COORDINATE SHIM AND GROUT REQUIREMENTS WITH FIELD USE SHOP DRAWINGS
2. REINFORCING NOTED IS MINIMUM, COORDINATE ANY ADDITIONAL ON VARYING REINFORCEMENT WITH DELEGATED DESIGN AND FIELD USE SHOP DRAWINGS
3. BREAK OUT CORE TO INSERT REINFORCING
4. ORIENT HOOKS HORIZONTAL

2 TYP PLANK @ PARALLEL CMU WALL (EDGE CONDITION)
1" = 1'-0"



KEYED NOTES
1. COORDINATE SHIM AND GROUT REQUIREMENTS WITH FIELD USE SHOP DRAWINGS
2. REINFORCING NOTED IS MINIMUM, COORDINATE ANY ADDITIONAL ON VARYING REINFORCEMENT WITH DELEGATED DESIGN AND FIELD USE SHOP DRAWINGS

3 TYP PLANK BEARING @ CMU WALL (2-SIDES)
1" = 1'-0"

KEYED NOTES:
1. COORDINATE SHIM AND GROUT REQUIREMENTS WITH FIELD USE SHOP DRAWINGS
2. REINFORCING NOTED IS MINIMUM, COORDINATE ANY ADDITIONAL ON VARYING REINFORCEMENT WITH DELEGATED DESIGN AND FIELD USE SHOP DRAWINGS
3. MAINTAIN TYPICAL END OF PLANK CONDITION UNLESS REQUIRED OTHERWISE

4 TYP PLANK BEARING @ WT LINTEL
1" = 1'-0"

SEALS

NOTES:

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TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
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CHARLESTON, SC 29412
843.577.6073

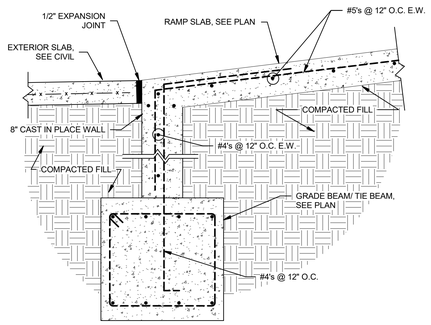
TYPICAL HOLLOW CORE DETAILS

SHEET NAME

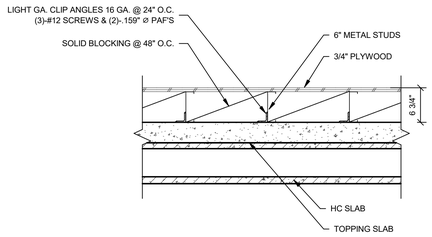
PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S691

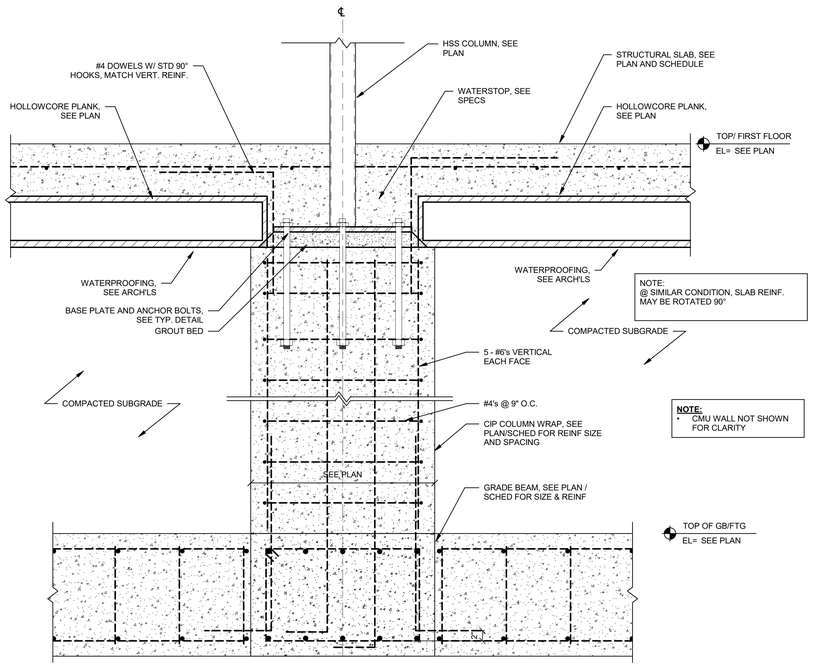
1/10/2025 11:53:46 AM



1 SECTION
1" = 1'-0"



2 SECTION
1" = 1'-0"



5 SECTION
1" = 1'-0"

ADC ENGINEERING INC. NO. 00253
CERTIFICATE OF AUTHORIZATION
SOUTH CAROLINA
No. 28106
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. GILGER

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

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CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

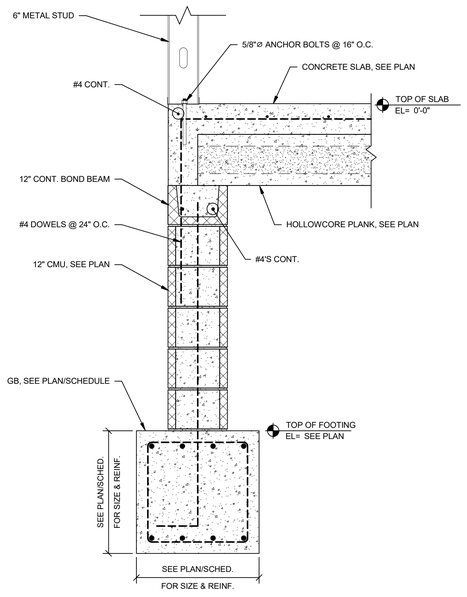
SECTIONS AND DETAILS

SHEET NAME

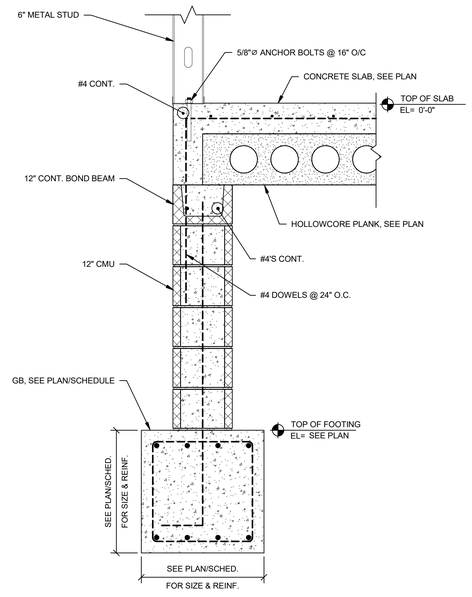
PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S701

1/10/2025 11:53:46 AM



1 SECTION
1" = 1'-0"



2 SECTION
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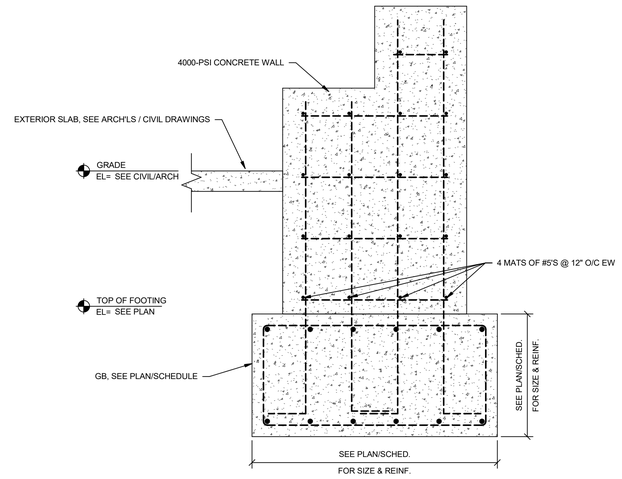
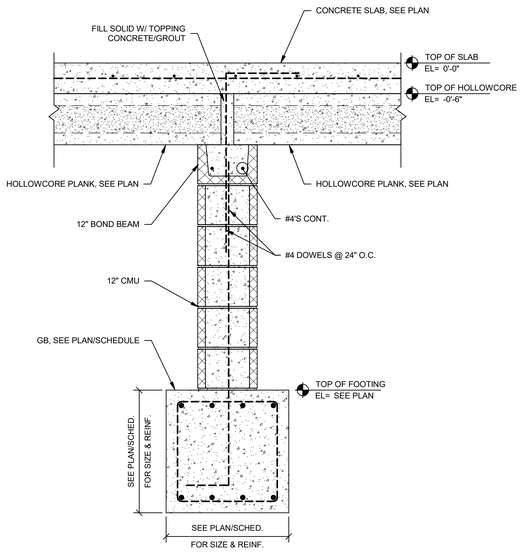
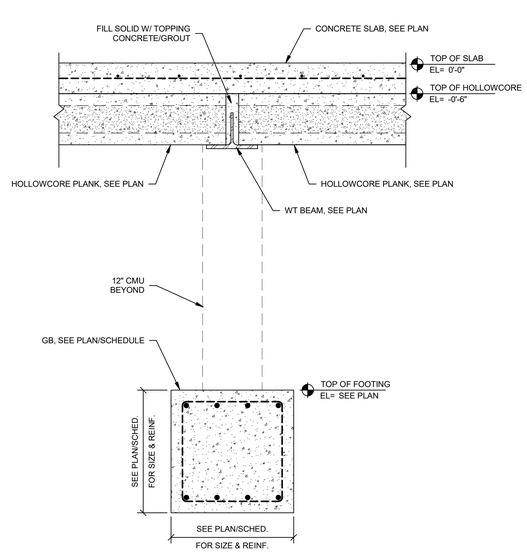


3 SECTION
1" = 1'-0"



4 SECTION
1" = 1'-0"



5 SECTION
1" = 1'-0"

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
ADC ENGINEERING, INC.
NO. 00253

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 28109
CHRISTOPHER J. GILGER

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

Date 1	1	Revision 1
REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

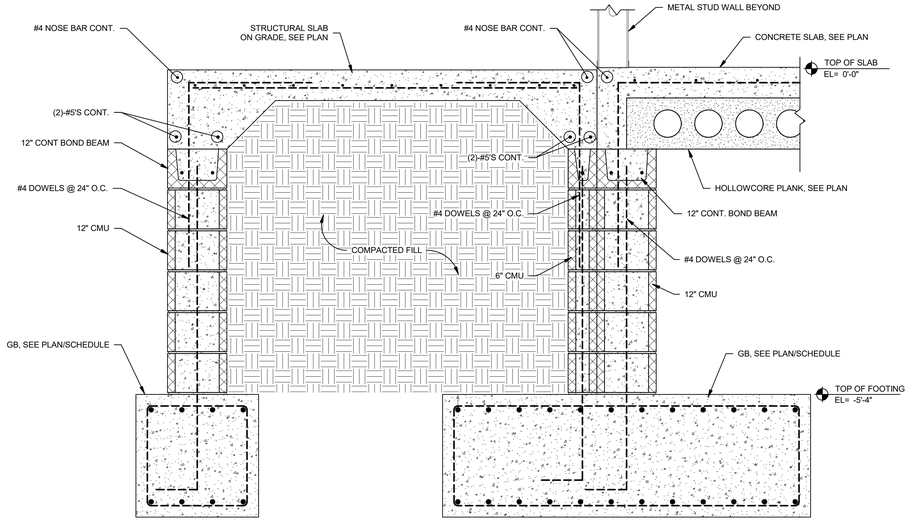
SECTIONS AND DETAILS

SHEET NAME

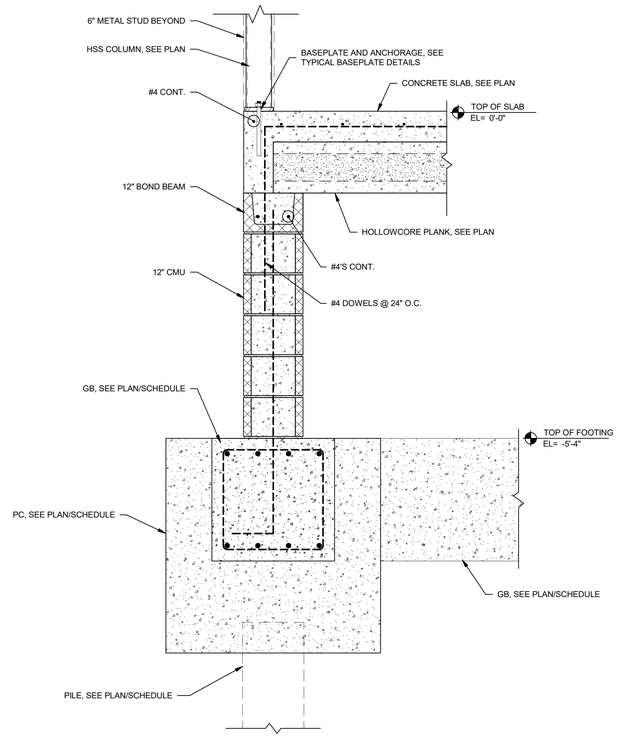
PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S702

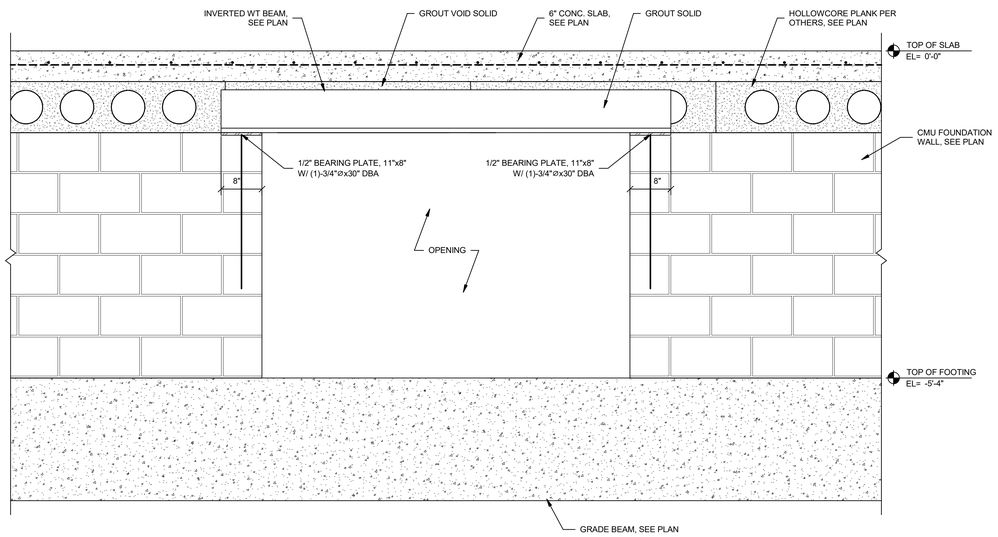
1/10/2025 11:53:47 AM



1 SECTION
1" = 1'-0"



2 SECTION
1" = 1'-0"



3 SECTION
1" = 1'-0"

ADC ENGINEERING INC. NO. 00253 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA No. 28106 REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER J. GILGER

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

Date 1	1	Revision 1
REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

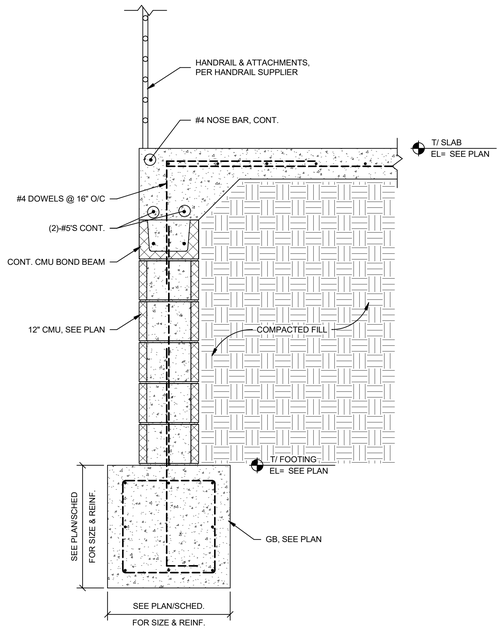
SECTIONS AND DETAILS

SHEET NAME

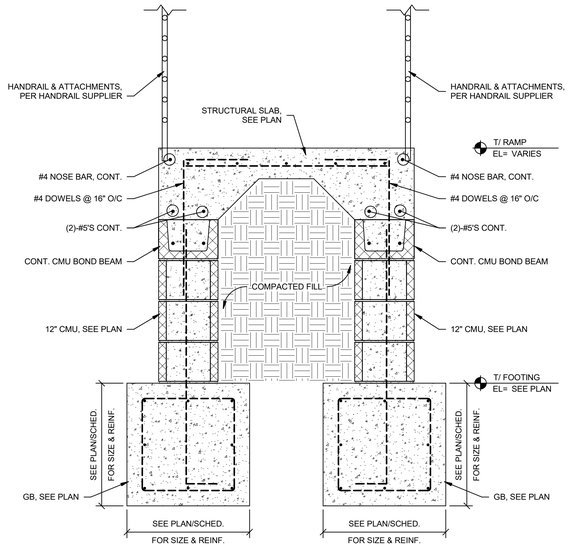
PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S703

1/10/2025 11:53:47 AM



1 SECTION
1" = 1'-0"



2 SECTION
1" = 1'-0"

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION ADC ENGINEERING, INC. NO. 00253

SOUTH CAROLINA No. 28109 REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER J. GILGER

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

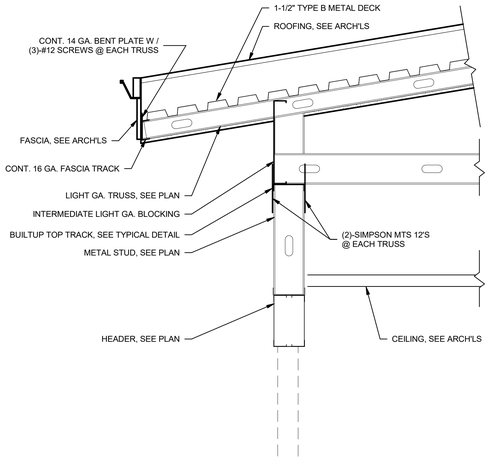
SECTIONS AND DETAILS

SHEET NAME

PROJECT NUMBER	22532
DRAWN BY	JMJ
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S704

1/10/2025 11:53:47 AM



1 SECTION
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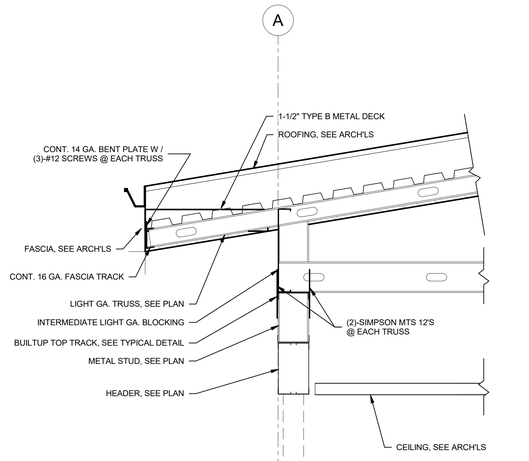

2 SECTION
1" = 1'-0"

ADC ENGINEERING, INC. NO. 00253
CERTIFICATE OF AUTHORIZATION
SOUTH CAROLINA
No. 28106
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER J. GILGER
SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

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CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

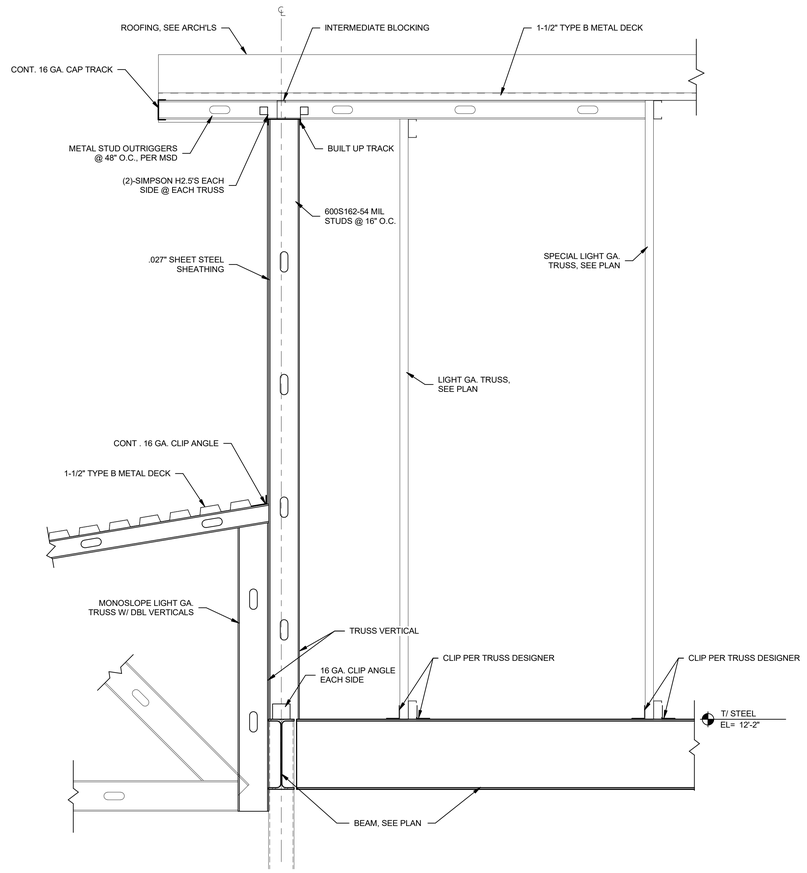
SECTIONS AND DETAILS

SHEET NAME

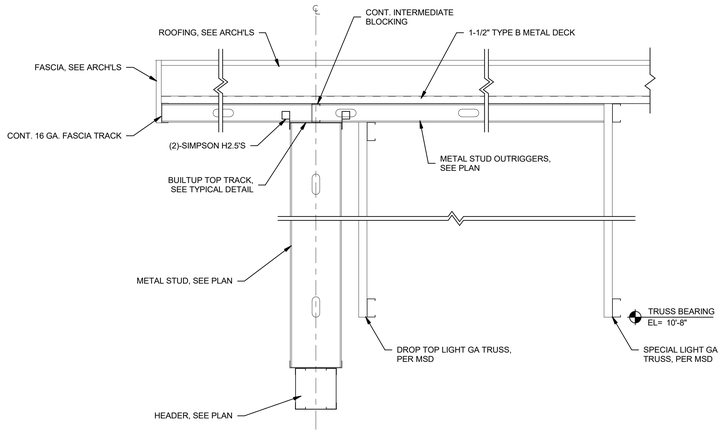
PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S711

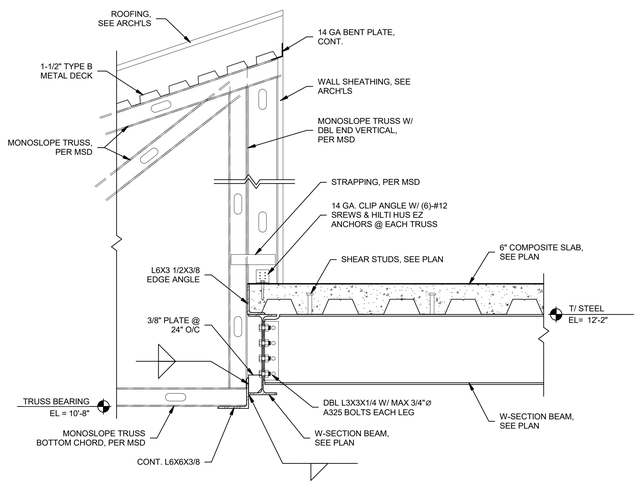
1/10/2025 11:53:48 AM



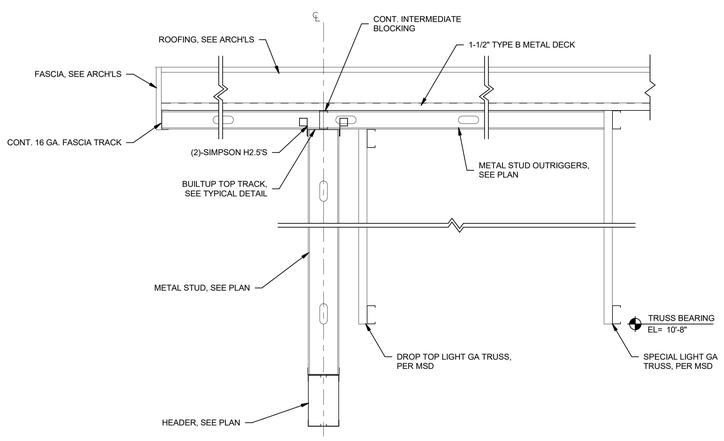
1 SECTION
1" = 1'-0"



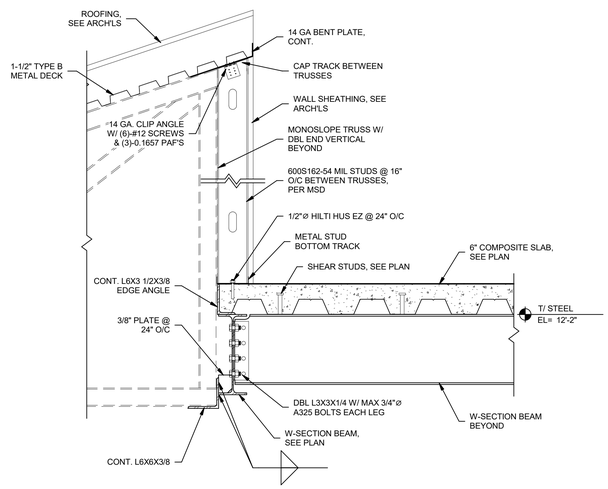
2 SECTION
1" = 1'-0"



3 SECTION @ TRUSS BEARING ON BEAM
1" = 1'-0"



5 SECTION
1" = 1'-0"



4 SECTION
1" = 1'-0"

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

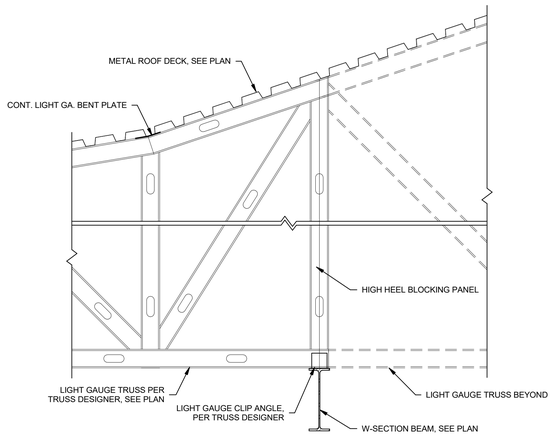
SECTIONS AND DETAILS

SHEET NAME

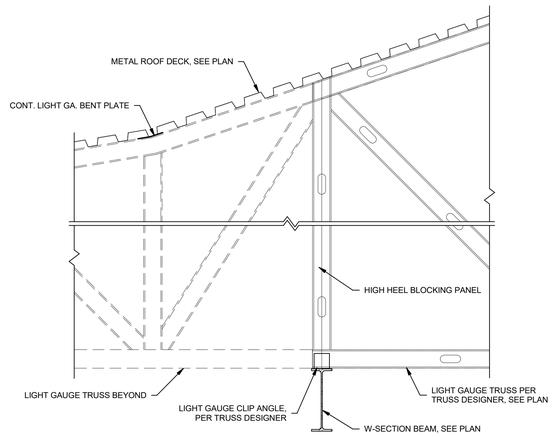
PROJECT NUMBER	22532
DRAWN BY	DCC
CHECKED BY	CJG
DATE	01/09/2024
SCALE	1" = 1'-0"

S712

1/10/2025 11:53:48 AM



1 SECTION
1" = 1'-0"



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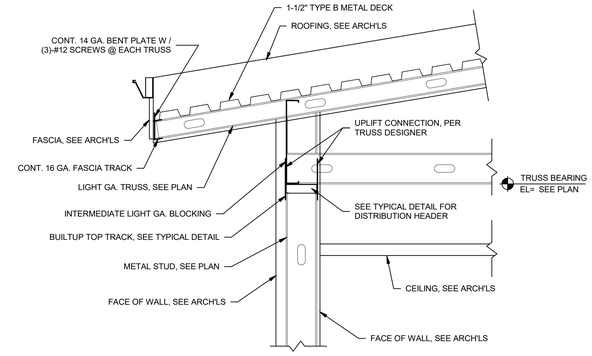

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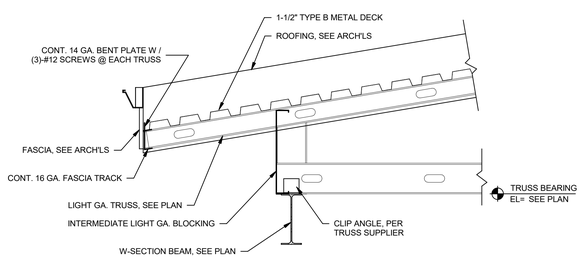

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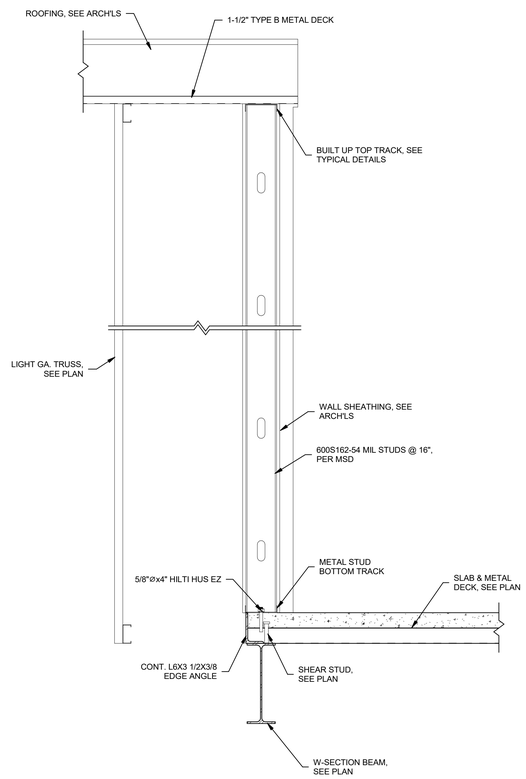

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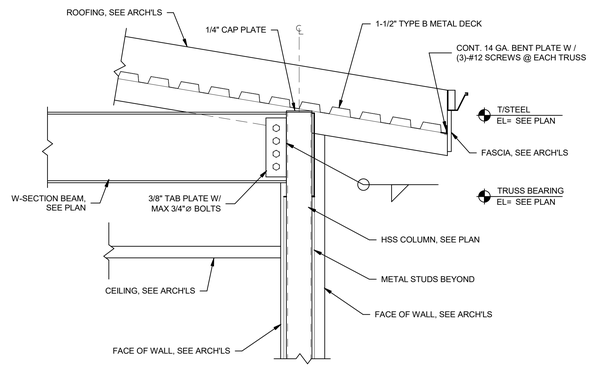


6 SECTION
1" = 1'-0"

SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

REVISIONS

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

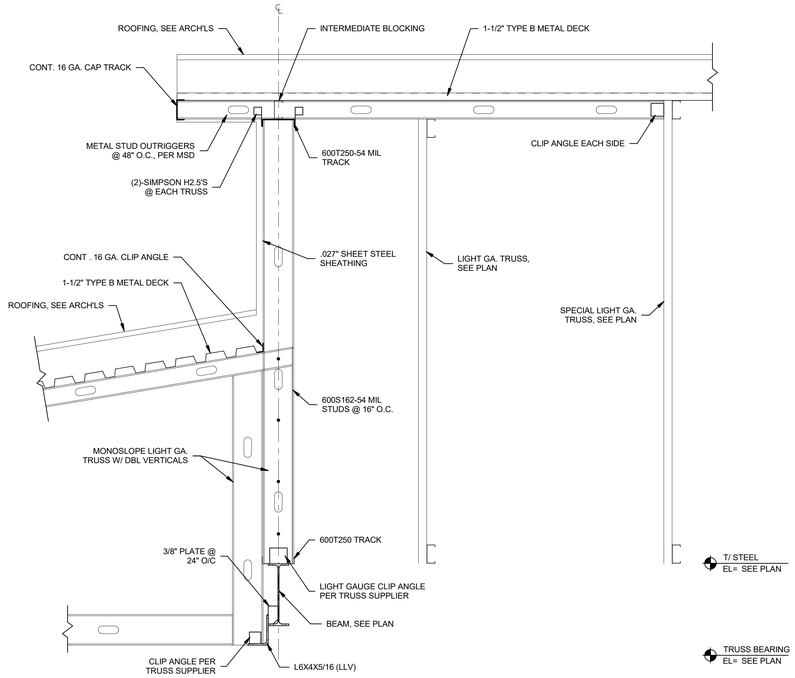
SECTIONS AND DETAILS

SHEET NAME

PROJECT NUMBER 22532
DRAWN BY JMJ
CHECKED BY CJG
DATE 01/09/2024
SCALE 1" = 1'-0"

S713

1/10/2025 11:53:48 AM



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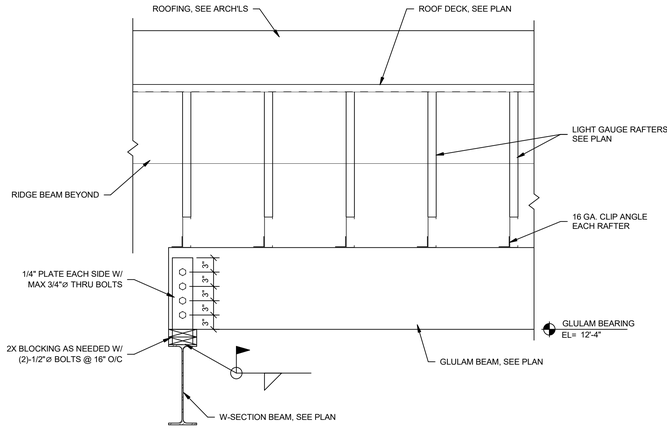

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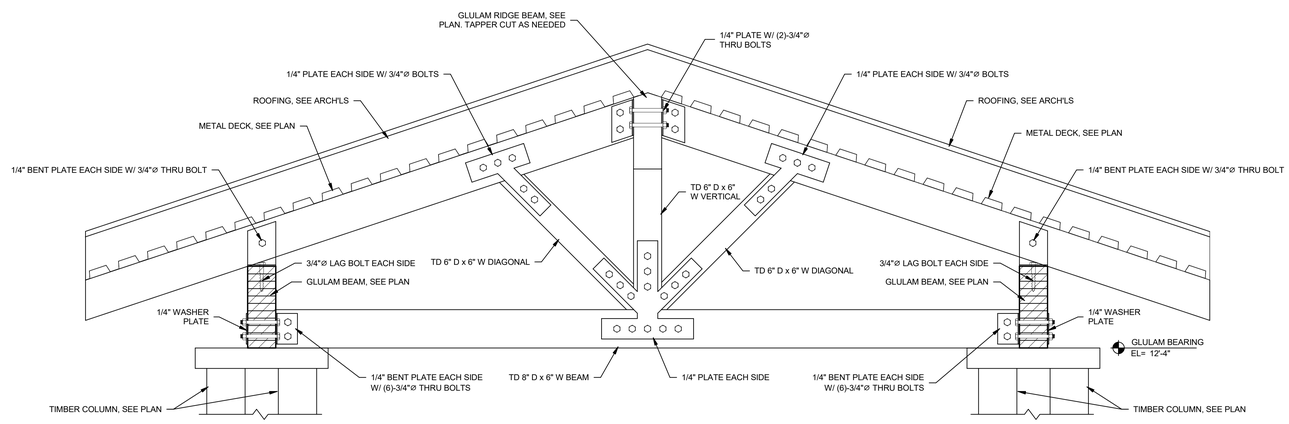

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DATE	01/09/2024
SCALE	1" = 1'-0"

S714

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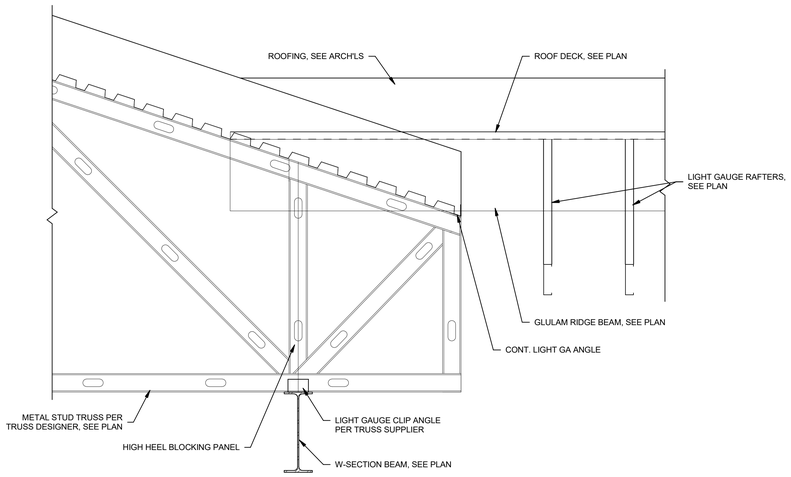

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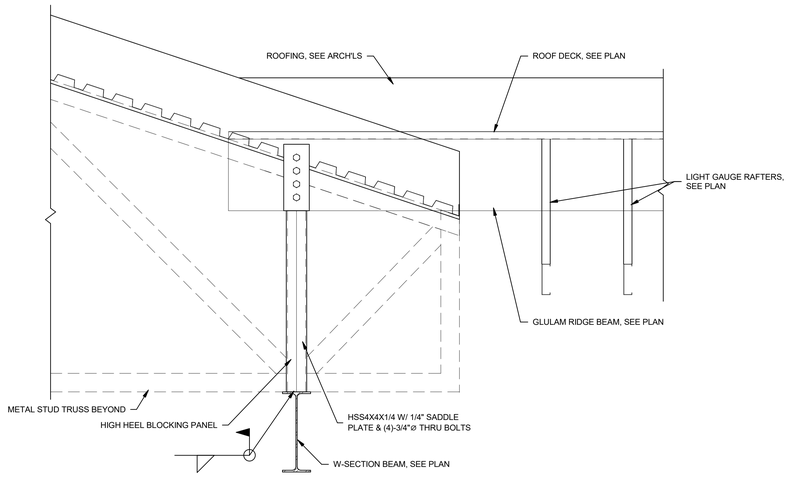

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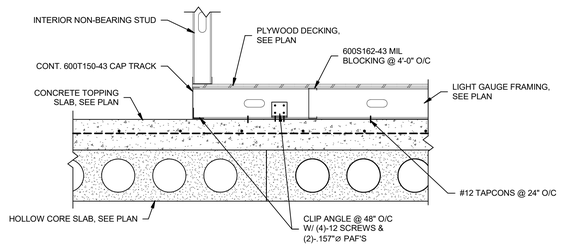

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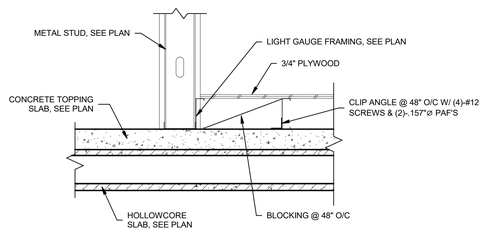

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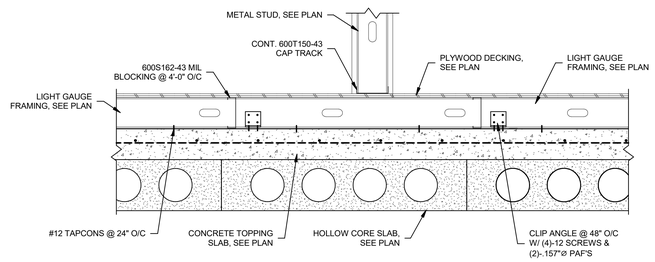

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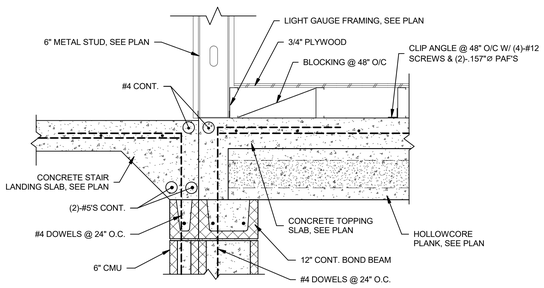

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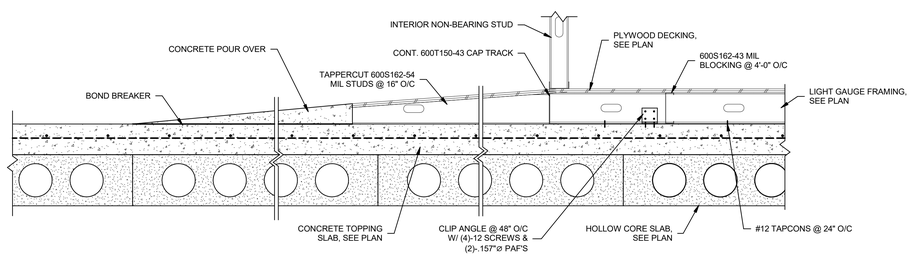

7 SECTION
1" = 1'-0"

SEALS

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S715

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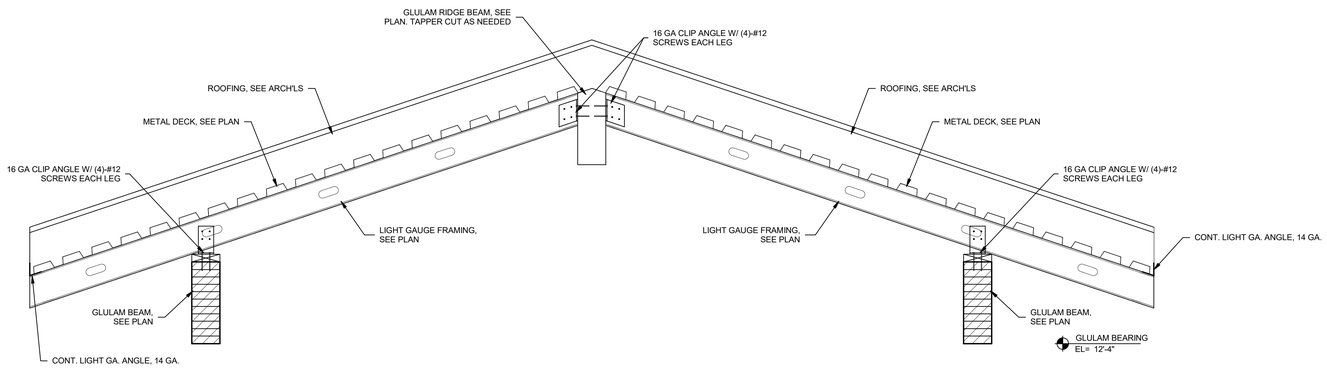

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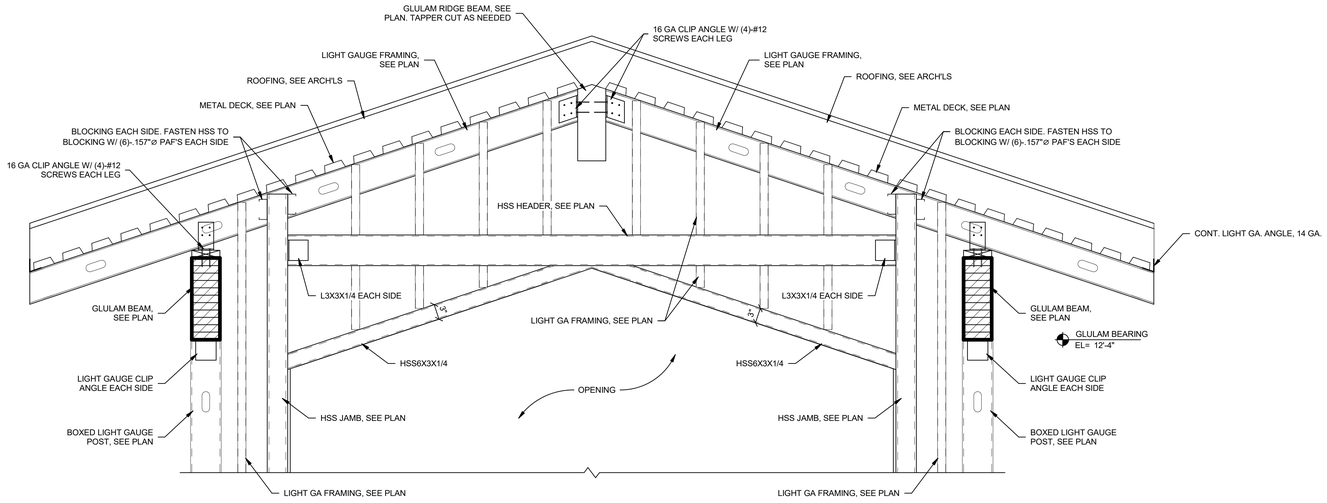

2 SECTION
1" = 1'-0"

ADC ENGINEERING, INC. NO. 00253
SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
SOUTH CAROLINA No. 28109 REGISTERED PROFESSIONAL ENGINEER STEPHEN J. GLUSE
SEALS

NOTES:

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
ADCENGINEERING.COM

REVISIONS		

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S716

1/10/2025 11:53:49 AM

MECHANICAL GENERAL NOTES

1 THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND BUILDING DIMENSIONS PRIOR TO WORK. ANY VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS TO THESE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT ATTENTION PRIOR TO WORK. IF CONTRACTOR COMMENCES WORK WITHOUT NOTIFYING ARCHITECT OF VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS, THAT SHALL CONSTITUTE WAIVER TO ANY CLAIM BY CONTRACTOR FOR ADDITIONAL EXPENSES NECESSARY TO PERFORM WORK ASSOCIATED WITH THOSE CONDITIONS.

2 THIS CONTRACT REQUIRES COMPLETE, FINISHED WORKABLE PROJECT OF THE AREAS INDICATED BY THE CONTRACT DOCUMENTS AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE SAME, REGARDLESS OF WHETHER OR NOT EACH AND EVERY NECESSARY WORK OR ITEM IS SPECIFICALLY INDICATED ON ANY OTHER PORTION OF THE DRAWING AND/OR NOTES.

3 AS A MINIMUM, ALL WORK SHALL CONFORM TO THE APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL CODES AND ORDINANCES ADOPTED BY THE JURISDICTION OF THE WORK. WHERE MORE STRINGENT CODES ARE ADOPTED, THEY SHALL GOVERN THE WORK.

4 CONTRACTOR SHALL FURNISH ALL INFORMATION AND DOCUMENTATION TO SECURE ALL REQUIRED PERMITS AND SHALL COORDINATE THIS DATA WITH THE CONSTRUCTION DOCUMENTS WHERE REQUIRED.

5 CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS SO THAT THE WORK AND SCHEDULE ARE NOT IMPEDED. SCHEDULE WORK PROGRESS THROUGHOUT THE ENTIRE PROJECT TO PREVENT CONFLICTS AND INTERFERENCE, OBTAIN ALL NECESSARY INFORMATION SUCH AS SIZES, LOCATIONS, TEMPLATES, LAYOUT, DIMENSIONS, AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL-COORDINATED INSTALLATION. PRIOR TO INSTALLATION OF ITEMS, CONFER WITH EACH CONTRACTOR EXACT LOCATION OF ALL ITEMS.

6 CONTRACTOR SHALL OBTAIN FROM OWNER ALL REQUIREMENTS FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT INCLUDING ROUGHING DIAGRAMS, INSTALLATION INSTRUCTIONS, ELECTRICAL SCHEMATICS, TEMPLATES, LAYOUTS AND DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER, WELL-COORDINATED INSTALLATION. PRIOR TO ROUGH-IN SERVICES, CONFER WITH OWNER EXACT LOCATION OF ALL ITEMS.

7 DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

8 CONFIRM ALL ROUGH AND/OR FINISH DIMENSIONS FOR ACCURATE FITTING OF MECHANICAL EQUIPMENT, FIXTURES, PIPING, ETC. BEFORE FABRICATION AND INSTALLATION.

9 COORDINATE FINAL EQUIPMENT/FIXTURE LOCATIONS WITH THE GENERAL CONTRACTOR. THE LOCATION AS INDICATED ON THE DRAWING IS APPROXIMATE. INSTALL ALL MECHANICAL EQUIPMENT SUCH THAT MANUFACTURER'S MAINTENANCE AREA IS CLEAR.

10 PROVIDE AND INSTALL ALL NECESSARY HARDWARE, BRACKETS, BRACING, ANCHORING, INSERTS, BLOCKING, FURRING OR OTHER SUPPLEMENTARY ITEMS NEEDED FOR COMPLETE INSTALLATION OF EQUIPMENT, FIXTURES AND ACCESSORIES.

11 ALL WALL MOUNTED MECHANICAL DEVICES OR CONTROLS SHALL BE INSTALLED IN LOCATIONS WHICH ARE UNOBSTRUCTED BY CABINETS, COUNTERS, RACKS, FIXTURES, FURNISHINGS, OR EQUIPMENT. ITEMS INTENDED FOR WALL MOUNTING SHALL NOT BE INSTALLED ON, THROUGH OR INTO ANY OTHER EQUIPMENT UNLESS SPECIFICALLY CALLED FOR. VERIFY MOUNTING HEIGHTS WITH ARCHITECT AND ADA REQUIREMENTS.

12 DRAWING PLANS, SCHEMATICS AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DUCTWORK AND PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS ARE USED TO SIZE DUCTWORK AND PIPE AND CALCULATE FRICTION LOSS, EXPANSION, AND OTHER DESIGN CONSIDERATIONS. INSTALL DUCTWORK AND PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS.

13 UNLESS OTHERWISE INDICATED, INDOOR CONCEALED FAN COIL UNITS AND ASSOCIATED CONTROLS SHALL BE INSTALLED AT A HEIGHT NO GREATER THAN 3 FEET ABOVE A CEILING TO ALLOW MAINTENANCE ACCESSIBILITY.

14 PROVIDE, AT EACH FAN COIL UNIT, A WATER LEVEL PROTECTION DEVICE THAT CONFORMS TO UL508 THAT WILL SHUT-OFF THE FCU IF THE PRIMARY DRAIN IS BLOCKED. THE DEVICE SHALL BE INSTALLED IN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN IN ACCORDANCE WITH THE APPLICABLE MECHANICAL CODE.

15 PROVIDE A FLEXIBLE DUCT FLEXIBLE CONNECTION AT BOTH THE INLET AND OUTLET DUCT FAN CONNECTION.

16 FABRICATE ALL DUCTWORK IN ACCORDANCE WITH SMACNA STANDARDS. ALL DUCTWORK SHALL BE A MINIMUM OF 26 GAUGE.

17 DUCTWORK SIZES SHOWN ON PLANS ARE AIR SIDE SIZES. WHERE DUCTS ARE SHOWN AS LINED, DIMENSIONS SHALL BE INCREASED TO REFLECT THAT THICKNESS OF THE LINING.

18 UNLESS ABSOLUTELY NECESSARY, ALL MECHANICAL DEVICES, EQUIPMENT, DAMPERS, VALVES, ETC. THAT REQUIRE ACCESS SHALL NOT BE LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. WHERE UNAVOIDABLE, PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS TO ACCESS DEVICES, EQUIPMENT, DAMPERS, VALVES, ETC.

19 VERIFY REFLECTED CEILING PLANS IN THE FIELD FOR EXACT LAYOUT LOCATION OF ALL CEILING AIR DEVICES. COORDINATE LOCATION WITH ALL OTHER TRADES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO INSTALLATION.

20 REFER TO AIR DEVICE SCHEDULE FOR INLET DUCT SIZES UNLESS OTHERWISE INDICATED.

21 REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIZE, LOCATION AND DETAILS OF EXTERIOR WALL LOUVERS.

22 SIZE REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS BASED ON THE PROJECT SPECIFIC LAYOUT AND LENGTH OF REFRIGERANT PIPING.

23 RUN ALL PIPING CONCEALED ABOVE CEILING EXCEPT WHERE INDICATED.

24 FOR CLARITY, SOME HVAC SENSORS AND DEVICES MAY BE SHOWN ON THE PIPING DRAWINGS. COORDINATE FINAL SENSOR AND DEVICE LOCATIONS WITH INTERIOR FINISH AND FURNITURE EQUIPMENT DRAWINGS PRIOR TO INSTALLATION. UNLESS OTHERWISE SPECIFICALLY NOTED, MOUNT SENSORS 48" AFF TO THE TOP OF THE DEVICE OR LEVEL WITH ADJACENT ELECTRICAL DEVICES. TYPICAL FOR ALL SENSORS.

25 CONTRACTOR SHALL CONDUCT A PRE-INSTALLATION MEETING AND WALK THROUGH WITH OWNER, ARCHITECT AND ENGINEER PRIOR TO ATC ROUGH-IN TO COORDINATE AND CONFIRM ALL DEVICE LOCATIONS.

26 DUCTWORK SHALL NOT RUN ALONG FULL HEIGHT PARTITIONS.

27 WHEN A SECTION OF DUCTWORK OR PIPING IS NOT LABELED FOR SIZE, THE LARGER SIZE INDICATED ON THE CONNECTED DUCT OR PIPE SHALL PREVAIL.

28 THE FIRE PROOFING OF THE BUILDING STRUCTURE IS NOT TO BE REMOVED FOR THE INSTALLATION OF HANGERS, SUPPORTS, DUCTWORK, ETC. IF FIRE PROOFING IS DAMAGED, IT SHALL BE REPAIRED AT THE EXPENSE OF THE TRADE.

29 MANY EQUIPMENT SCHEDULES DO NOT LIST QUANTITIES. CONTRACTOR SHALL REFER TO ALL DRAWINGS AND PROVIDE THE REQUIRED QUANTITIES FOR ALL COMPONENTS.

30 MAXIMUM LENGTH OF FLEXIBLE DUCT RUNOUT TO DIFFUSERS SHALL BE 6'-0". PROVIDE HARD DUCT FOR LONGER DIFFUSER RUNOUTS.

MECHANICAL SYMBOLS

FIRE RATED LINE TYPES

SEE ARCHITECTURAL

SEE ARCHITECTURAL

EQUIPMENT DESIGNATIONS

SYMBOL	DESCRIPTION
DOAU	DEDICATED OUTDOOR AIR UNIT
FCU	FAN COIL UNIT
GEF	GENERAL EXHAUST FAN
HP	HEAT PUMP
EUH	ELECTRIC UNIT HEATER

PIPING SYMBOLS

SYMBOL	DESCRIPTION
CD	CONDENSATE DRAIN
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RV	REFRIGERANT VENT

DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
H	HUMIDITY SENSOR
T	TEMPERATURE SENSOR
C	CARBON DIOXIDE SENSOR
N	NITROGEN DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
	AIR FLOW
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	VOLUME DAMPER
BDD	BACK DRAFT DAMPER
	AUTOMATIC ISOLATION DAMPER
	FLEXIBLE CONNECTION
	ELBOW W/ DOUBLE THICKNESS TURNING VANES
	RECTANGULAR BRANCH TAKE-OFF
	BELL MOUTH BRANCH TAKE-OFF
	ROUND BRANCH TAKE-OFF
	ROUND DUCT DROP OFF BOTTOM
	DUCT TRANSITION
	SQUARE TO ROUND TRANSITION
UP/DN	DUCTWORK CHANGE IN ELEVATION (UP OR DOWN)
	SUPPLY / OUTSIDE AIR DUCT RISER
	RETURN AIR DUCT RISER
	EXHAUST / RELIEF AIR DUCT RISER
	ROUND DUCT RISER
X AIR DEVICE TYPE XX CFM	AIR DEVICE IDENTIFIER

MECHANICAL ABBREVIATIONS

NOTE: THIS IS A STANDARD ABBREVIATION LIST. SOME ABBREVIATIONS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.

#	NUMBER, POUND
#2FOR	NUMBER 2 FUEL OIL RETURN
#2FOS	NUMBER 2 FUEL OIL SUPPLY
#6FOR	NUMBER 6 FUEL OIL RETURN
#6FOS	NUMBER 6 FUEL OIL SUPPLY
$	DOLLAR
%	PERCENT
&	AND
+	PLUS
-	MINUS
/	DIVIDE BY, PER
<	LESS THAN
=	EQUALS, EQUAL TO
>	GREATER THAN
@	AT
A	COMPRESSED AIR
AAV	AUTOMATIC AIR VENT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR; AREA DRAIN
AF	ANTIFREEZE
AFF	ABOVE FINISHED FLOOR
AR	ARGON GAS
ATC	AUTOMATIC TEMPERATURE CONTROL
BAS	BUILDING AUTOMATION SYSTEM
BBD	BOILER BLOWDOWN
BCWR	BEARING COOLING WATER RETURN
BCWS	BEARING COOLING WATER SUPPLY
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BO	BLOW OFF
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BV	BALANCING VALVE
CA	CONTROL AIR
CBD	CONTINUOUS BLOWDOWN
CC	CAMPUS CONDENSATE
CCMS	CENTRAL CONTROL AND MONITORING SYSTEM
CD	CONDENSATE DRAIN
CF	CHEMICAL FEED
CFM	CUBIC FEET PER MINUTE
CHEL	CHELANT
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CHX	CHILLED WATER HEAT EXCHANGER
CO	CLEANOUT
CO2	CARBON DIOXIDE
CS	CLEAN STEAM
CT	COMBUSTION TURBINE
CW	COLD WATER, DOMESTIC CITY WATER
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DEEP, DRAIN WATER
DB	DECIBEL, DRY BULB
DDC	DIRECT DIGITAL CONTROL
DESIG	DESIGNATION
DHR	DISTRIBUTION HEATING WATER RETURN
DHS	DISTRIBUTION HEATING WATER SUPPLY
DHWR	DOMESTIC HOT WATER RETURN
DHWS	DOMESTIC HOT WATER SUPPLY
DIA, Ø	DIAMETER
DIR	DEIONIZED WATER RETURN
DIS	DEIONIZED WATER SUPPLY
DL	DOOR LOUVER
DN	DOWN
DSP	DRY SPRINKLER PIPE
DTR	DUAL TEMPERATURE RETURN
DTS	DUAL TEMPERATURE SUPPLY
DW	DISTILLED WATER
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ED	EQUIPMENT DRAIN
EJ	EXPANSION JOINT
ELEV	ELEVATION
EMS	ENERGY MANAGEMENT SYSTEM
EQ	EQUIPMENT, EQUALIZING
ESP	EXTERNAL STATIC PRESSURE
ETC	ETCETERA
EVAC	GAS EVACUATION
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	FIRE LINE
F&T	FLOAT AND THERMOSTATIC TRAP
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER, FOUNDATION DRAIN
FDR	FLOOR DRAIN
FDV	FIRE DEPARTMENT VALVE
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FIN/FT	FINS PER FOOT
FIN/INCH	FINS PER INCH
FM	FLOWMETER
FMF	FLOWMETER FITTING
FO	FUEL OIL
FOF	FUEL OIL FILL
FOO	FUEL OIL OVERFLOW
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOSUCT	FUEL OIL SUCTION
FOT	FUEL OIL TRANSFER
FOTP	FUEL OIL TRANSFER PUMP
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH
FT	FOOT, FEET
FW	FEED WATER
FWR	FEED WATER RECIRCULATION
FWS	FEED WATER SUCTION
G	NATURAL GAS
GAL	GALLON, GALLONS
GEN	GENERATOR
GHR	GLYCOL HEATING RETURN
GHS	GLYCOL HEATING SUPPLY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	AUTOMOTIVE LUBRICATION PIPING
H	HIGH
HB	HOSE BIB
HED	HOSE END DRAIN VALVE
HP	HORSEPOWER
HPR	HIGH PRESSURE STEAM RETURN
HPS	HIGH PRESSURE STEAM SUPPLY
HR	HEATING WATER RETURN
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY
HRSG	HEAT RECOVERY STEAM GENERATOR
HS	HEATING WATER SUPPLY
HT	HEIGHT
HTHR	HIGH TEMPERATURE HEATING WATER RETURN
HTHS	HIGH TEMPERATURE HEATING WATER SUPPLY
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
HZ	HERTZ
IA	INSTRUMENT AIR
ICW	INDUSTRIAL COLD WATER
IHR	INDUSTRIAL HOT WATER RECIRCULATION
IHW	INDUSTRIAL HOT WATER
IN	INCH, INCHES
INV EL	INVERT ELEVATION
KW	KILOWATTS
L	LONG, LENGTH
LA	LABORATORY AIR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LN	LIQUID NITROGEN
LP	LIQUID PROPANE
LPG	LIQUID PETROLEUM GAS
LPR	LOW PRESSURE STEAM RETURN
LPS	LOW PRESSURE STEAM SUPPLY
LV	LABORATORY VENT; LABORATORY VACUUM
LW	LABORATORY WASTE
LWT	LEAVING WATER TEMPERATURE
MA	MEDICAL AIR
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCC	MOTOR CONTROL CENTER
MEQ	MECHANICAL EQUIPMENT
MH-#	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MOTOR OIL PIPING
MOD	MOTOR OPERATED DAMPER
MPR	MEDIUM PRESSURE STEAM RETURN
MPS	MEDIUM PRESSURE STEAM SUPPLY
MV	MEDICAL VACUUM
N	NITROGEN
NA, N/A	NOT APPLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NG	NATURAL GAS
NO	NORMALLY OPEN, NITROUS OXIDE
No	NUMBER
NOM	NOMINAL
NPSH	NET POSITIVE SUCTION HEAD
NPW	NON-POTABLE WATER
O	OXYGEN
OA	OUTSIDE AIR
OD	OVERFLOW DRAIN
OED	OPEN ENDED DUCT
OF	OVERFLOW
OS&Y	OUTSIDE STEM AND YOKE
P&ID	PROCESS AND INSTRUMENTATION DIAGRAM
PA	PLANT AIR
PC	PUMPED CONDENSATE
PCHR	PRIMARY CHILLED WATER RETURN
PCHS	PRIMARY CHILLED WATER SUPPLY
PCP	PUMP CONTROL PANEL
PCR	PUMPED CONDENSATE RECIRCULATION
PCWR	PROCESS COOLING WATER RETURN
PCWS	PROCESS COOLING WATER SUPPLY
PD	PRESSURE DROP, PUMP DISCHARGE
PG	PILOT GAS
PGR	PROCESS GLYCOL WATER RETURN
PGS	PROCESS GLYCOL WATER SUPPLY
PH	PHASE
PHR	PRIMARY HEATING RETURN
PHS	PRIMARY HEATING SUPPLY
PIV	POST INDICATING VALVE
PPH	POUNDS PER HOUR
PRV	PRESSURE REDUCING VALVE, PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PW	POTABLE WATER
RA	RETURN AIR, RELIEF AIR
RAF	RETURN AIR FAN
RD	REFRIGERANT DISCHARGE
RDR	ROOF DRAIN
RH	RELATIVE HUMIDITY
RHR	REHEAT WATER RETURN
RHS	REHEAT WATER SUPPLY
RI	REMOVE AND REINSTALL
RL	REFRIGERANT LIQUID
ROR	REVERSE OSMOSIS WATER RETURN
ROS	REVERSE OSMOSIS WATER SUPPLY
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RV	RELIEF VENT, REFRIGERANT VENT
RX	REMOVE EXISTING
SA	SUPPLY AIR, SHOCK ARRESTOR
SAN	SANITARY, SOIL, WASTE
SCHR	SECONDARY CHILLED WATER RETURN
SCHS	SECONDARY CHILLED WATER SUPPLY
SD	STORM DRAIN, SMOKE DETECTOR
SF	SQUARE FOOT
SHR	SECONDARY HEATING WATER RETURN
SHS	SECONDARY HEATING WATER SUPPLY
SL	SOUND LINING
SP	STATIC PRESSURE
SPR	SPRINKLER LINE
SQ FT	SQUARE FOOT
SS	STAINLESS STEEL
SSUL	SODIUM SULFITE
STDR	STORM DRAIN
SW	SOFT WATER
TS	TAMPER SWITCH
TSP	TOTAL STATIC PRESSURE
TW	TREATED WATER
TWR	TEMPERED WATER RETURN
TWS	TEMPERED WATER SUPPLY
TYP	TYPICAL
UCD	UNDERCUT DOOR
UL	UNDERWRITERS LABORATORIES
V	VACUUM, VOLTS
VD	VOLUME DAMPER
VENT	VENTILATION
VFD	VARIABLE FREQUENCY DRIVE
VPD	VACUUM PUMP DISCHARGE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WATTS, WIDE
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WH	WALL HYDRANT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
x	MULTIPLY BY, BY
x"	INCHES, INCH
x'	FEET, FOOT
°C	DEGREE(S) CELSIUS
°F	DEGREE(S) FAHRENHEIT
±	PLUS OR MINUS
ΔT	TEMPERATURE DIFFERENCE
≤	LESS THAN OR EQUAL TO
≥	GREATER THAN OR EQUAL TO

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — 1/9/25 — No. 36136 — RAQUEL DESCHLER

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	As indicated

M001

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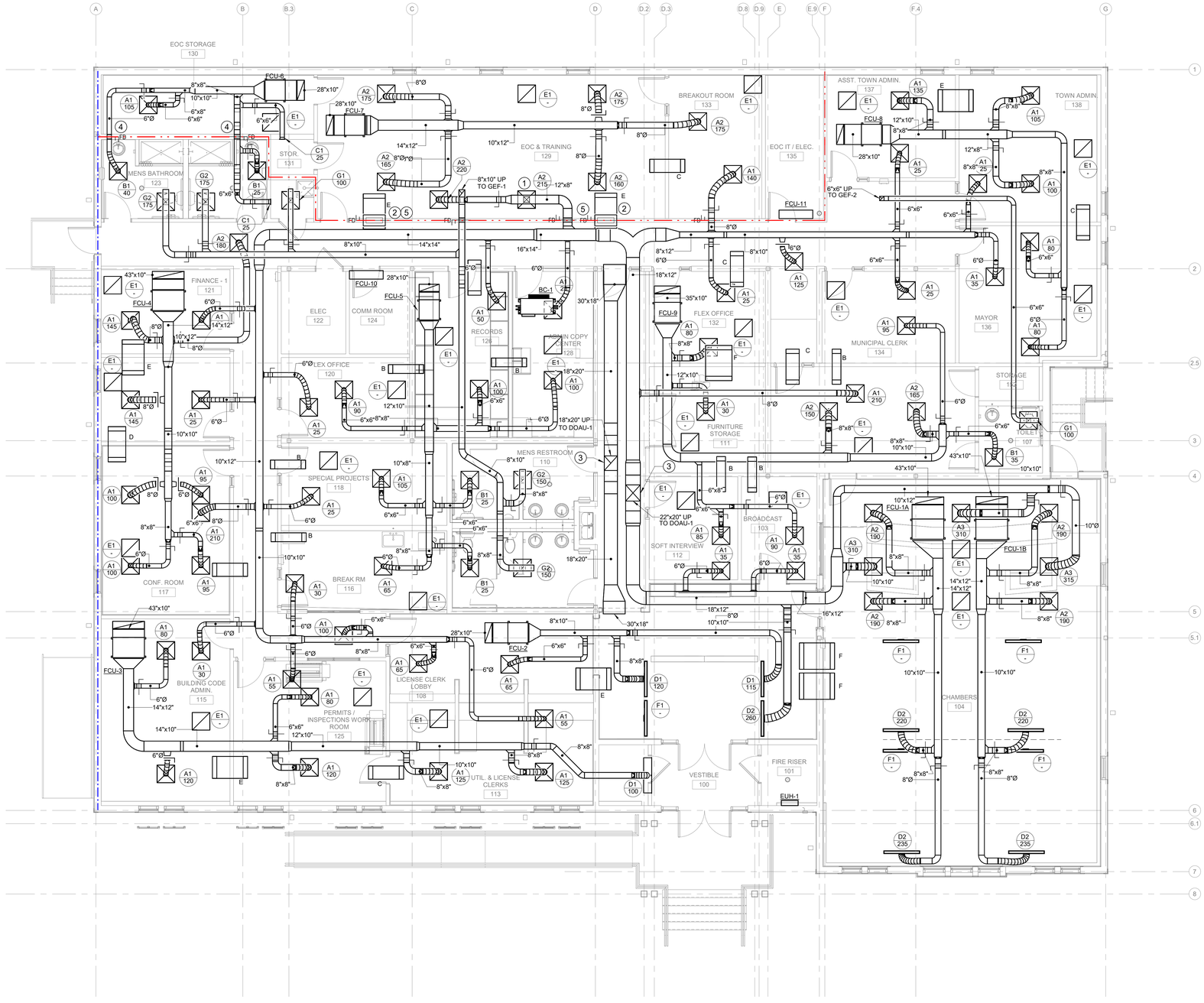

1 M101 **1ST FLOOR DUCTWORK PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER
1/9/25
No. 36136
RAQUEL DESCHLER

SEALS

GENERAL NOTES

1. EXACT LOCATION OF TRANSFER DUCTS WITHIN ROOM OF SERVICE MUST BE COORDINATED BY CONTRACTOR.
2. INSTALL REMOTE OPERATED DAMPERS ABOVE HARD CEILING AREAS. REFER TO ARCHITECTURAL FOR ALL LOCATIONS
3. ALL WALL PENETRATIONS SHALL BE TREATED PER THE ACOUSTICAL PENETRATION DETAIL, UNLESS NOTED OTHERWISE.

DRAWING NOTES

1. INSTALL MANUAL BALANCING DAMPER IN THE VERTICAL.
2. U SHAPED TRANSFER DUCT MUST BE CONSTRUCTED IN A MANNER SUCH THAT THE APPROPRIATE FIRE DAMPER IS INSTALLED ACCORDING TO CODE, INLINE. REFER TO DETAIL FOR INFORMATION. AN ACCESS PANEL FOR THE FIRE DAMPER SHALL BE INSTALLED ON THE DUCT FOR SERVICE OF DAMPER PER SPECIFICATIONS.
3. A RECTANGULAR WYE FITTING SHALL BE USED TO TRANSITION FROM THE VERTICAL TO THE HORIZONTAL DUCT MAIN IN THE CORRIDOR.
4. FIRE DAMPER ACCESS THROUGH ACT CEILING IN EOC STORAGE ROOM.
5. FIRE DAMPER ACCESS THROUGH ACT CEILING IN EOC & TRAINING ROOM.

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1ST FLOOR DUCTWORK PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	3/16" = 1'-0"

M101

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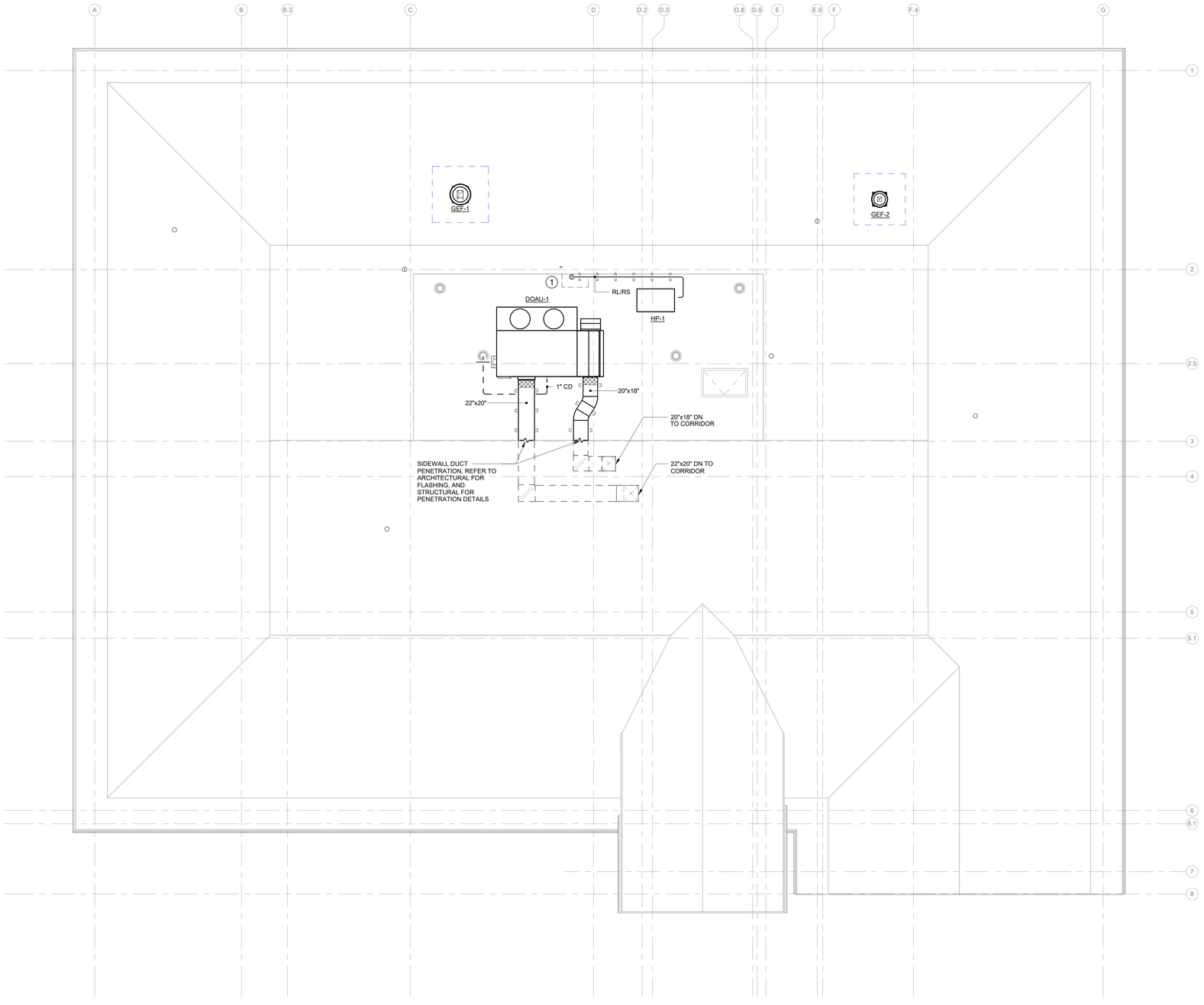

1 / M102 **ROOF MECHANICAL PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

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RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
1/9/25
No. 36136
RAQUEL DESCHLER

SEALS

GENERAL NOTES

1. EQUIPMENT TO BE INSTALLED ON VIBRATION ISOLATION CURBS. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION
2. CONDENSATE PIPING SHALL BE ROUTED TO NEAREST ROOF DRAIN. PIPING SHALL BE SUPPORTED WITH A NON-PENETRATING PIPE SUPPORT EQUAL TO MIRO INDUSTRIES MODEL PILLOW BLOCK.
3. HALF TONED, DASHED LINES REPRESENT DUCTWORK INSIDE OF BUILDING ENVELOPE.

DRAWING NOTES

1. PROVIDE PIPE ENCLOSURE. REFER TO VRF SPECIFICATIONS FOR ADDITIONAL INFORMATION

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CHARLESTON, SC 29412
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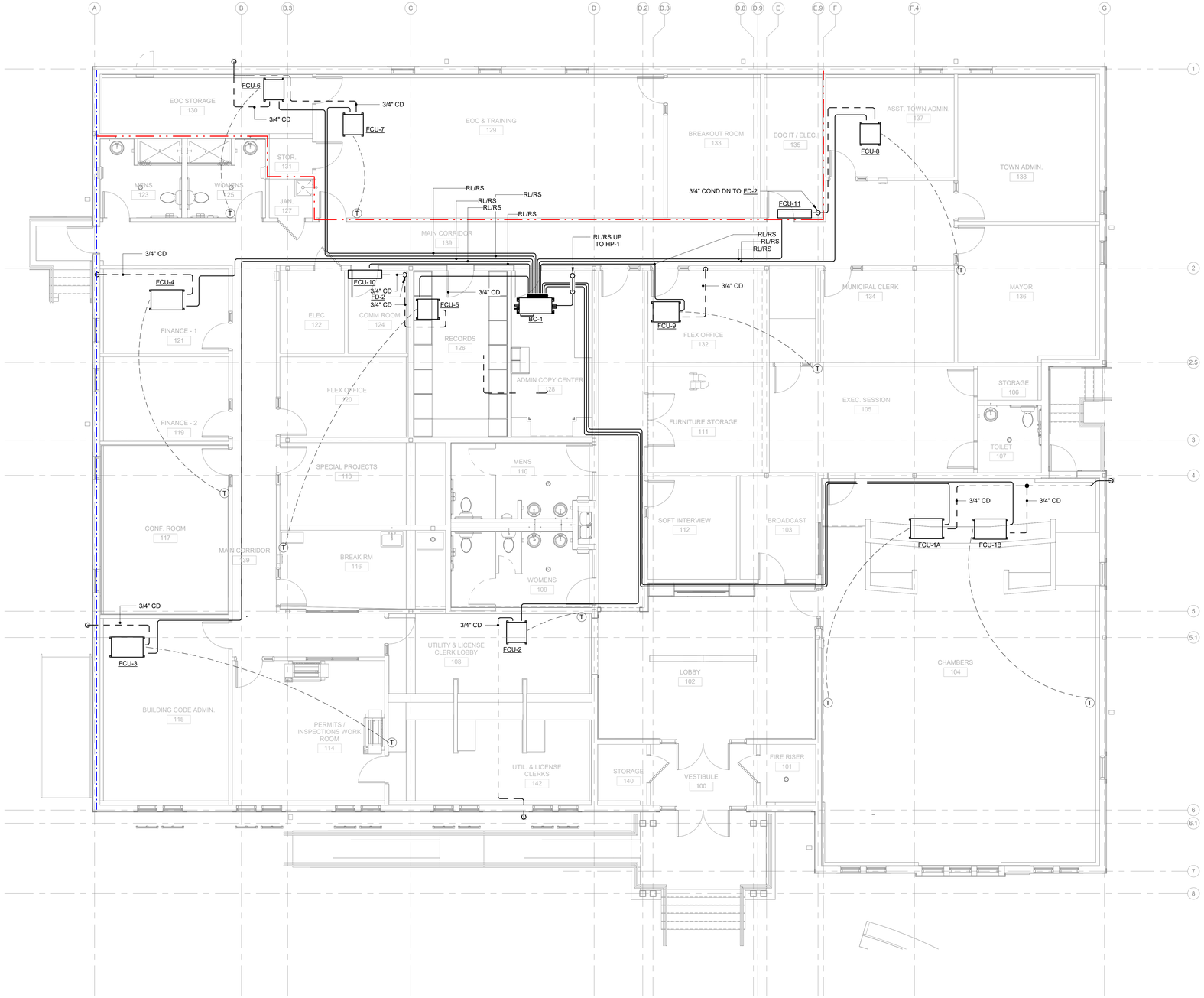
ROOF MECHANICAL PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	3/16" = 1'-0"

M102

1/9/2025 4:50:27 PM



1 M201 **1ST FLOOR HVAC PIPING PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — 1/9/25 — No. 36136 — RAQUEL DESCHLER

SEALS

DRAWING NOTES

1. CONDENSATE LINES SHALL PENETRATE BACK OF DOWNSPOUT AND TERMINATE WITH DOWNTURNED ELBOW. COORDINATE EXTERIOR ENVELOPE PENETRATIONS WITH ARCHITECT AND SEAL PENETRATION THROUGH DOWNSPOUT WATERTIGHT.

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1ST FLOOR HVAC PIPING PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	3/16" = 1'-0"

M201

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SEQUENCE OF OPERATION

PART 1 - TEMPERATURE CONTROL SEQUENCES

A. SEE PLANS FOR LOCATIONS OF ALL TEMPERATURE SENSORS, PANELS, DAMPERS, VALVES, AND EQUIPMENT. WHERE SUCH DEVICES ARE NOT INDICATED, HOWEVER REQUIRED BY THE SEQUENCES, THEY SHALL BE PROVIDED BY THE CONTRACTOR AS PART OF THE CONTRACT AND LOCATED IN THE FIELD BY THE ENGINEER.

B. THE UNIT SHALL BE CONTROLLED BY ITS INTEGRAL CONTROLLER. ALL TEMPERATURE, HUMIDITY,PRESSURE AND TIME SET POINTS SHALL BE FULLY ADJUSTABLE.

PART 2 - MASTER HEATING AND COOLING CONTROL

A. THE DOAU CONTROLLER SHALL OPERATE THE DOAU IN ACCORDANCE WITH OUTDOOR AIR TEMPERATURE AS SENSED BY DOAU INTAKE TEMPERATURE SENSOR TS-1. ON A RISE IN OUTDOOR AIR TEMPERATURE TO 50°F DB (ADJ) AND ABOVE, SYSTEMS SHALL OPERATE IN THE COOLING MODE. ON A FALL IN OUTDOOR AIR TEMPERATURE BELOW 50°F DB (ADJ) SYSTEMS SHALL OPERATE IN THE HEATING MODE.

B. CONTROL POINT ADJUSTMENT FOR "HEATING" AND "COOLING" CHANGEOVER TEMPERATURE SHALL BE BY THE DOAU CONTROLLER.

PART 3 - OVERALL CONTROL

A. THE UNIT SHALL BE ENERGIZED VIA THE CONTROLLER. THE BUILDING WILL BE OCCUPIED 24/7.

B. THE SUPPLY FAN SHALL BE MANUALLY INDEXED TO THE AUTOMATIC MODE AT ITS VARIABLE FREQUENCY DRIVE.

C. SUPPLY FAN SF-1 SHALL NOT OPERATE UNTIL MOTORIZED DAMPER D-1 HAS BEEN PROVEN OPEN.

D. THE SUPPLY FAN SPEED SHALL BE MODULATED VIA THE VFD TO MAINTAIN CONSTANT SYSTEM SUPPLY AIRFLOW AS SENSED BY ITS AIRFLOW MONITORING DEVICE.

E. WHEN THE UNIT IS DEENERGIZED THROUGH THE CONTROLLER, ALL CONTROLS SHALL RETURN TO THEIR NORMAL POSITION READY FOR RESTARTING. THE SUPPLY FAN SHALL DEENERGIZE AND, AFTER AN ADJUSTABLE INTERVAL, OUTSIDE AIR DAMPER D-1 SHALL CLOSE. REFRIGERANT CIRCUIT SHALL DEENERGIZE. GAS HEATING COIL CONTROL VALVE SHALL CLOSE.

PART 4 - HEATING MODE

A. DURING HEATING MODE THE REFRIGERANT CIRCUIT SHALL BE DEENERGIZED AND HEATING COIL RHC-1 SHALL BE ENERGIZED.

B. SUPPLY FAN SF-1 SHALL BE ENERGIZED AND OUTDOOR AIR DAMPER D-1 SHALL BE OPEN. THE CONTROLLER SHALL MODULATE THE HEATING COIL RHC-1TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT OF 70°F DB (ADJ) AS SENSED BY SUPPLY AIR TEMPERATURE SENSOR TS-3.

PART 5 - COOLING MODE

A. DURING COOLING MODE, HEATING COIL HC-1 SHALL BE DEENERGIZED AND THE REFRIGERANT CIRCUIT SHALL BE ENERGIZED.

B. SUPPLY FAN SF-1 SHALL BE ENERGIZED AND OUTDOOR AIR DAMPER D-1 SHALL BE OPEN. THE CONTROLLER SHALL MODULATE COMPRESSOR TO MAINTAIN THE COOLING COIL LEAVING AIR TEMPERATURE SETPOINT OF 48°F DB (ADJ) AS SENSED BY TS-2. THE CONTROLLER SHALL MODULATE THE REHEAT COIL RHC-1, TO MAINTAIN THE UNIT LEAVING AIR TEMPERATURE SETPOINT OF 72°F DB (ADJ) AS SENSED BY TS-3.

PART 6 - DEHUMIDIFICATION CONTROL

A. WHEN THE RETURN AIR RELATIVE HUMIDITY REACHES 55% (ADJ) HUMIDITY, AS SENSED BY THE RETURN AIR HUMIDITY SENSOR HS-1, TEMPERATURE CONTROL SEQUENCE SHALL BE OVERRIDDEN. THE VARIABLE REFRIGERANT CIRCUIT SHALL MODULATE TO MAINTAIN A LEAVING AIR TEMPERATURE OF 46°F (ADJ) AS SENSED BY COOLING COIL LEAVING AIR TEMPERATURE SENSOR. THE REHEAT COIL SHALL SLOWLY MODULATE TO MAINTAIN THE LEAVING AIR TEMPERATURE SETPOINT OF 72°F (ADJ). WHEN THE CONTROLLING HUMIDITY SENSOR DROPS BELOW 50%, FOR TEN MINUTES, CONTROL SHALL BE RETURNED TO NORMAL "COOLING MODE" OPERATION.

PART 7 - ALARMS AND FAILURE MODES

A. A FAILURE OF ANY MOTOR, AS SENSED BY ITS RESPECTIVE CURRENT TRANSDUCER, SHALL BE ALARMED TO THE CONTROLLER. UPON SENSING FAILURE, THE CONTROLLER SHALL INDICATE THE ALARM AND DEENERGIZE THE DOAU, RETURNING ALL CONTROLS TO THEIR NORMAL POSITION.

B. A FAILURE OF OUTDOOR AIR DAMPER D-1 TO OPERATE AS COMMANDED SHALL BE ALARMED TO THE CONTROLLER. UPON SENSING FAILURE, THE CONTROLLER SHALL INDICATE THE ALARM AND DEENERGIZE THE DOAU, RETURNING ALL CONTROLS TO THEIR NORMAL POSITION.

C. DISCHARGE AIR TEMPERATURE MORE THAN 4° DB (ADJ) HIGHER OR LOWER THAN THE SET POINT SHALL BE ALARMED TO THE CONTROLLER.

SMOKE CONTROL

1. THE DOAU AND ASSOCIATED AIR DISTRIBUTION SYSTEM SHALL BE EQUIPPED WITH SMOKE DETECTORS AND CONNECTED TO THE BUILDING FIRE ALARM SYSTEM IN ACCORDANCE WITH THE INTERNATIONAL FIRE AND MECHANICAL CODES.

2. THE DOAU OR ASSOCIATED AIR DISTRIBUTION (HVAC) SMOKE DETECTOR SHALL, UPON ACTIVATION, SHUT DOWN ALL OPERATIONAL CAPABILITIES OF THE RESPECTIVE AIR DISTRIBUTION SYSTEM. THE DOAU AND ALL ASSOCIATED SYSTEM SUPPLY, RETURN AND EXHAUST FANS SHALL DEENERGIZE AND AN ALARM SHALL BE ANNUNCIATED.

3. ALL HVAC SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM AND ACTIVATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL FIRE AND MECHANICAL CODES.

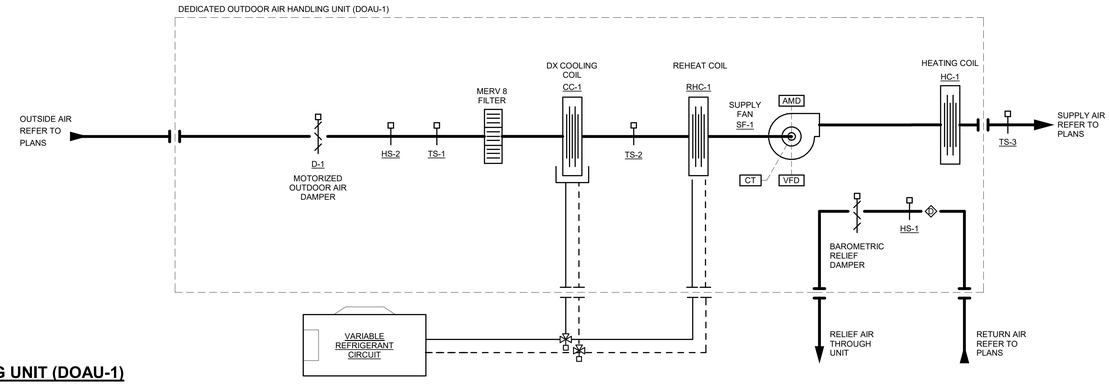
GENERAL NOTES:

1. CONTROLS CONTRACTOR SHALL CONFIRM WITH THE MANUFACTURER WHICH POINTS ARE SUPPLIED WITH THE UNIT. SENSORS INDICATED IN THE PLANS OR SEQUENCES, HOWEVER NOT INCLUDED IN THE UNIT, SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR.

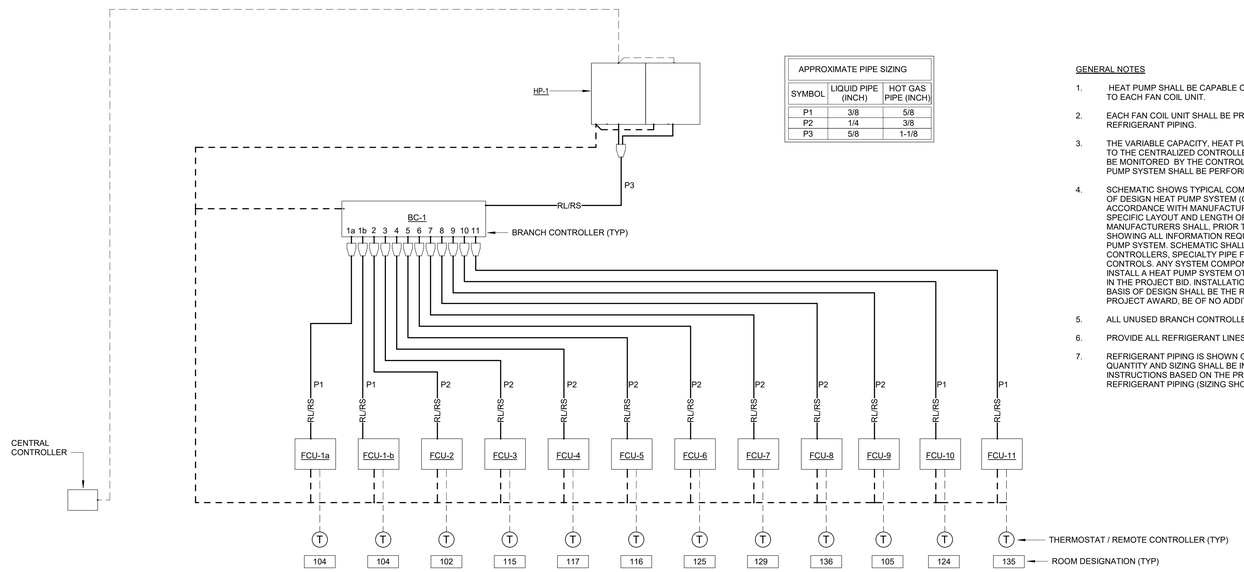
2. ALL ITEMS WITHIN A DASHED LINE ARE A PART OF THEIR OWN INDIVIDUAL PIECE OF EQUIPMENT

SPACE HUMIDISTAT — H

SMOKE DETECTOR — SD



2 M300 **DEDICATED OUTDOOR AIR HANDLING UNIT (DOAU-1)**
SCALE:NONE



APPROXIMATE PIPE SIZING		
SYMBOL	LIQUID PIPE (INCH)	HOT GAS PIPE (INCH)
P1	3/8	5/8
P2	1/4	3/8
P3	5/8	1-1/8

GENERAL NOTES

1. HEAT PUMP SHALL BE CAPABLE OF PROVIDING SIMULTANEOUS HEATING AND COOLING TO EACH FAN COIL UNIT.
2. EACH FAN COIL UNIT SHALL BE PROVIDED WITH AN ISOLATION VALVE ON THE REFRIGERANT PIPING.
3. THE VARIABLE CAPACITY, HEAT PUMP AIR CONDITIONING SYSTEM SHALL BE CONNECTED TO THE CENTRALIZED CONTROLLER. ALL SET POINTS AND PROGRAMS MUST BE ABLE TO BE MONITORED BY THE CONTROLS USER INTERFACE. ALL CONTROLS FOR THE HEAT PUMP SYSTEM SHALL BE PERFORMED BY THE INTEGRAL FACTORY CONTROL SYSTEM.
4. SCHEMATIC SHOWS TYPICAL COMPONENTS REQUIRED FOR INSTALLATION OF THE BASIS OF DESIGN HEAT PUMP SYSTEM (CARRIER). REFRIGERANT PIPING SHALL BE SIZED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS BASED ON THE PROJECT SPECIFIC LAYOUT AND LENGTH OF REFRIGERANT PIPING. PRIOR APPROVED MANUFACTURERS SHALL, PRIOR TO BID, PROVIDE A PROJECT SPECIFIC SCHEMATIC SHOWING ALL INFORMATION REQUIRED TO PRICE THE INSTALLATION OF THEIR HEAT PUMP SYSTEM. SCHEMATIC SHALL INCLUDE PIPE LENGTHS, PIPE SIZES, BRANCH/CIRCUIT CONTROLLERS, SPECIALTY PIPE FITTINGS/BRANCHES, ELECTRICAL LOADS AND CONTROLS. ANY SYSTEM COMPONENTS OR ELECTRICAL CHANGES REQUIRED TO INSTALL A HEAT PUMP SYSTEM OTHER THAN THE BASIS OF DESIGN SHALL BE INCLUDED IN THE PROJECT BID. INSTALLATION AND DESIGN OF ANY SYSTEM OTHER THAN THE BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND, AFTER PROJECT AWARD, BE OF NO ADDITIONAL COST TO THE OWNER.
5. ALL UNUSED BRANCH CONTROLLER PORTS SHALL BE CAPPED.
6. PROVIDE ALL REFRIGERANT LINES WITH ISOLATION VALVES AT BRANCH CONTROLLER.
7. REFRIGERANT PIPING IS SHOWN ON PLANS AS SINGLE LINE. REFRIGERANT PIPING QUANTITY AND SIZING SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS BASED ON THE PROJECT SPECIFIC LAYOUT AND LENGTH OF REFRIGERANT PIPING (SIZING SHOWN ON DIAGRAM IS APPROXIMATE).

1 M300 **VRF CONTROL DIAGRAM**
SCALE:NONE

SEALS

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REVISIONS

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MECHANICAL CONTROL SEQUENCES

SHEET NAME

PROJECT NUMBER 321261.B0
DRAWN BY Author
CHECKED BY Approver
DATE 12/16/2024
SCALE NONE

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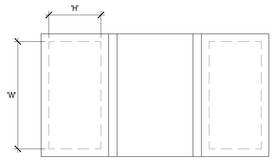
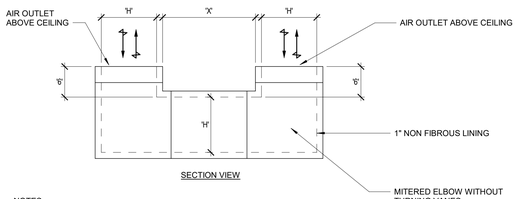


PLAN VIEW

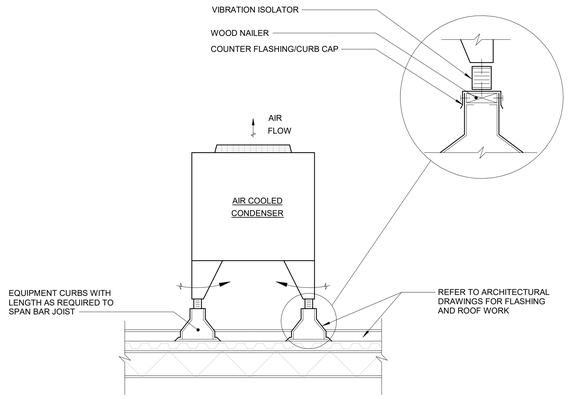
U TRANSFER DUCT SCHEDULE			
SYMBOL	WIDTH (INCH)	HEIGHT (INCH)	MAXIMUM CFM
A	12	6	175
B	20	10	485
C	24	12	700
D	30	12	875
E	36	12	1050
F	40	14	1360



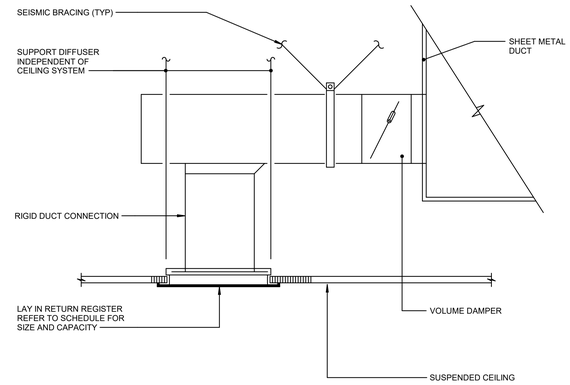
SECTION VIEW

NOTES:
1. WIDTH AND DEPTH ARE GIVEN IN CLEAR INTERIOR DIMENSIONS.
2. X = W+2 OR 18" WHICHEVER IS GREATER.
3. "X" IS A MINIMUM DIMENSION AND CAN BE LENGTHED AS NEEDED TO ACHIEVE INSTALLATION CONFIGURATION INDICATED ON PLANS.

1 DETAIL - TRANSFER DUCT 'U' PATTERN
SCALE: N.T.S.

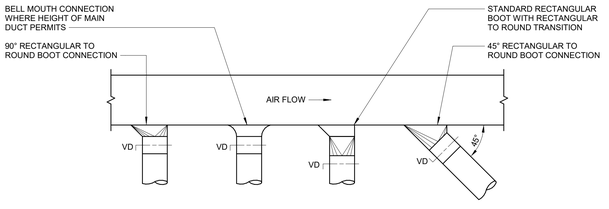


2 DETAIL - AIR COOLED CONDENSING UNIT - ROOF
SCALE: N.T.S.

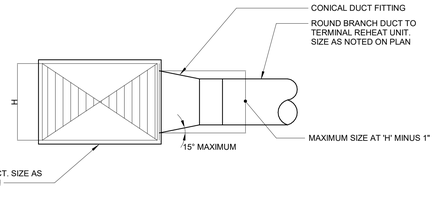


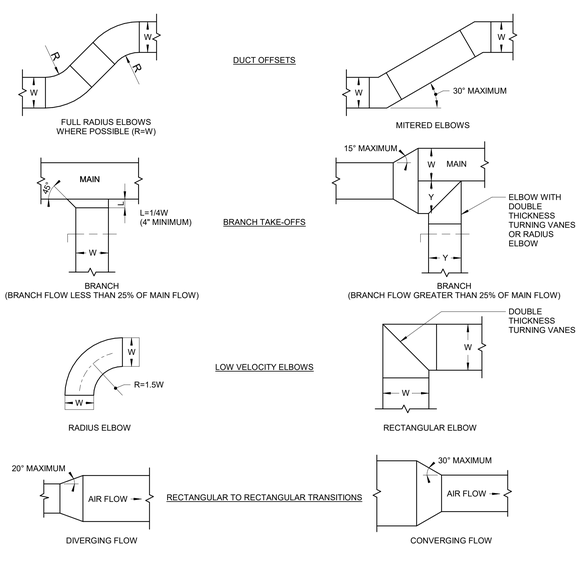
NOTES:
1. DUCT INSULATION SHALL BE PROVIDED AS SPECIFIED.
2. PROVIDE SEISMIC SWAY BRACING FOR ALL DUCTWORK AND HANGERS PER THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
3. CONTRACTOR SHALL VERIFY MAXIMUM LOADING ON DUCTWORK SUPPORT ASSEMBLIES.

3 DETAIL - EXHAUST AIR REGISTER BRANCH DUCT
SCALE: N.T.S.

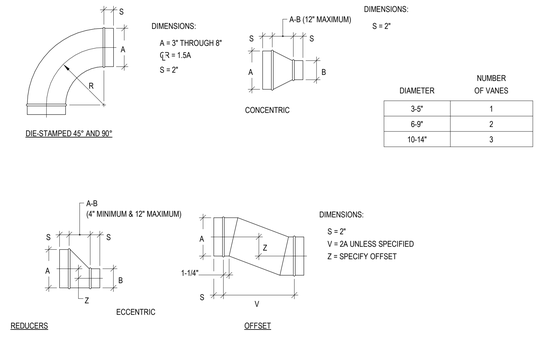


ALTERNATE RECTANGULAR TO ROUND DUCT BRANCH CONNECTIONS (BRANCH FLOW LESS THAN 25% OF MAIN FLOW





4 DETAIL - DUCT TRANSITION FITTINGS
SCALE: N.T.S.



5 DETAIL - ROUND DUCT FITTINGS
SCALE: N.T.S.

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CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

MECHANICAL DETAILS

SHEET NAME

PROJECT NUMBER 321261.B0
DRAWN BY PJH
CHECKED BY ZJB
DATE 12/16/2024
SCALE NONE

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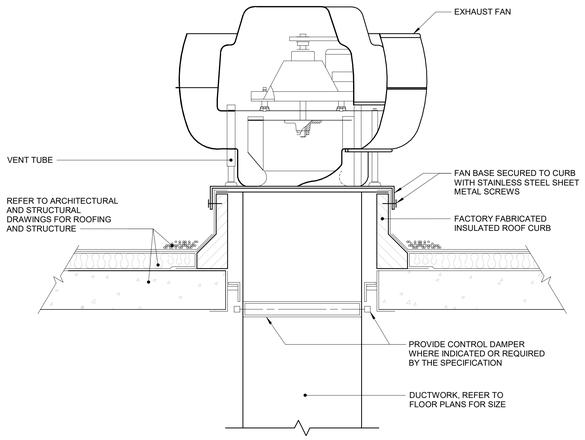
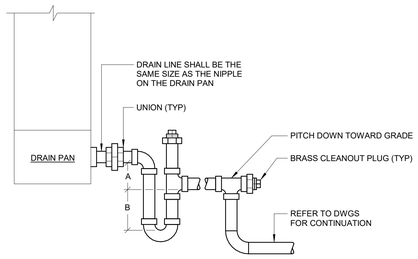


1 DETAIL - UPBLAST EXHAUST FAN - FLAT ROOF
SCALE: N.T.S.



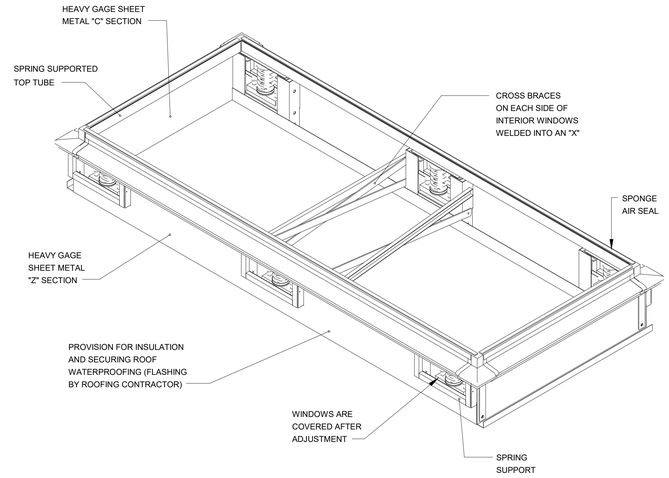
NOTE:

FOR THE DRAW THRU FAN COIL UNIT:

A=THE FCU SUPPLY FAN TOTAL STATIC PRESSURE (INCHES) PLUS TWO (2) INCHES.

B=THE FCU SUPPLY FAN TOTAL STATIC PRESSURE (INCHES).

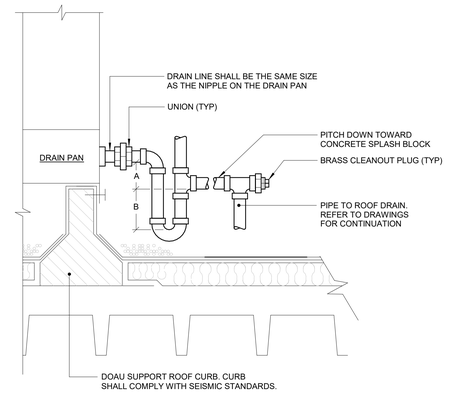
2 DETAIL - COIL CONDENSATE DEEP SEAL TRAP (ABOVE CEILING)
SCALE: N.T.S.



NOTES:

1. PROVIDE INTEGRAL ACOUSTICAL PACKAGE IN ACCORDANCE WITH SPECIFICATIONS.
2. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
3. CONTRACTOR SHALL COORDINATE ROOF PATCHING FOR AIR HANDLING ROOF CURB WITH ROOF CONTRACTOR. ALL WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH NRCA. ALL ROOF CUTTING, REPAIR, AND FLASHING SHALL BE PERFORMED BY THE ROOFING CONTRACTOR.
4. THERE SHALL BE NO EXPOSED WOOD ON THE INTERIOR (VISIBLE WITHIN THE BUILDING) OR THE EXTERIOR (VISIBLE FROM THE ROOF). COVER ANY EXPOSED WOOD WITH METAL FLASHING.

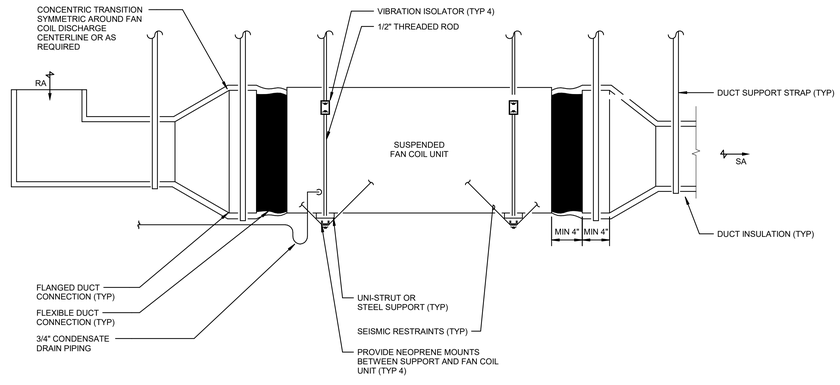
3 DETAIL - SEISMIC SPRING ISOLATED ROOF CURB
SCALE: N.T.S.



NOTE:

1. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR PIPE SIZES AND TRAP CONFIGURATION.

4 DETAIL - COIL CONDENSATE DEEP SEAL TRAP (ROOF)
SCALE: N.T.S.

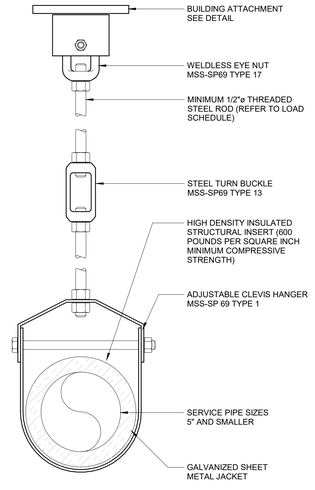


NOTES:

1. PROVIDE FLEXIBLE DUCT CONNECTIONS BEFORE TRANSITIONS.
2. PROVIDE SEISMIC BRACING FOR ALL FAN COIL UNITS, DUCTWORK AND HANGERS PER THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
3. CONTRACTOR SHALL VERIFY MAXIMUM LOADING ON FAN COIL AND DUCTWORK SUPPORT ASSEMBLIES.
4. REFER TO SPECIFICATIONS FOR THREADED ROD AND HANGER ATTACHMENT INFORMATION.
5. PROVIDE REMOVABLE CEILING TILES OR ACCESS DOOR(S) FOR EQUIPMENT ACCESS.

5 DETAIL - CONCEALED FAN COIL UNIT
SCALE: N.T.S.

LOAD SCHEDULE		
PIPE SIZE	MAXIMUM SPACING	ROD SIZE
1/2" - 2"	8'	1/2"ø
2 1/2"	10'	5/8"ø
3"	10'	5/8"ø
4"	14'	5/8"ø
5"	14'	5/8"ø



NOTE:

1. THIS DETAIL SHALL BE USED AS A GUIDE. ALL HANGERS SHALL MEET THE REQUIREMENTS OF SPECIFICATION SECTION 23059 - 2.2 AND 2.3 "HANGERS AND SUPPORTS"

6 DETAIL - 5" PIPE AND SMALLER HANGER SUPPORT
SCALE: N.T.S.

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER 1/9/25 No. 36136 RAQUEL DESCHLER

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

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CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

MECHANICAL DETAILS

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	NTS

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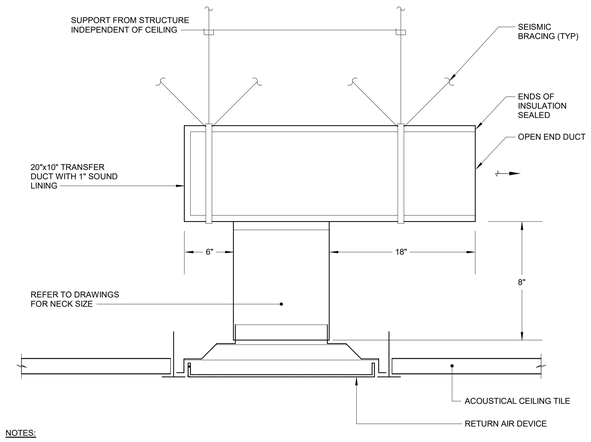
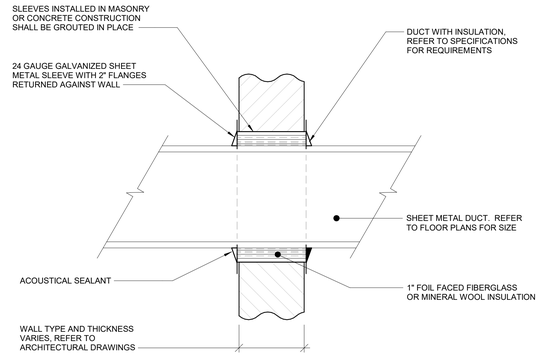


NOTES:

1. PROVIDE SEISMIC SWAY BRACING FOR ALL DUCTWORK AND HANGERS PER THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
2. CONTRACTOR SHALL VERIFY MAXIMUM LOADING ON DUCTWORK SUPPORT ASSEMBLIES.

1 DETAIL - NON-DUCTED RETURN AIR REGISTER

SCALE: N.T.S.

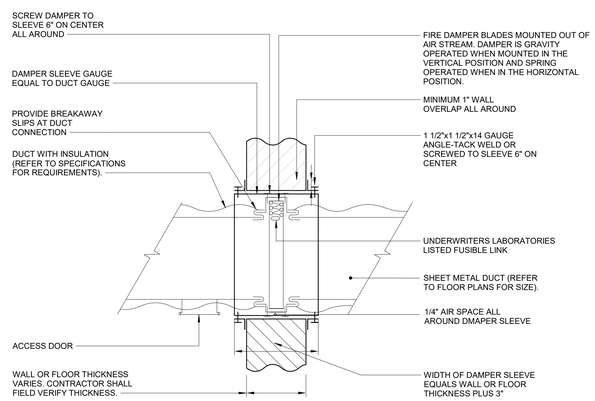


NOTES:

1. PROVIDE GALVANIZED SHEET METAL SLEEVES FOR DUCTWORK PASSING THROUGH ALL FULL HEIGHT WALLS,FIRE-RATED PARTITIONS OR SMOKE PARTITIONS. DUCT SLEEVES SHALL BE LARGE ENOUGH TO PASS DUCT WITH INSULATION AND SHALL HAVE 2 (TWO) INCH FLANGES RETURNED AGAINST WALL OR PARTITION. WHERE FIRE DAMPERS ARE REQUIRED, PROVIDE SLEEVES AS REQUIRED BY THE DAMPER MANUFACTURER.
2. AT ALL SLEEVES, WHERE NOISE CAN BE TRANSMITTED AND AT FIRE RATED SEPARATIONS, SEAL ALL OPENINGS BETWEEN DUCTS AND CORRESPONDING SLEEVE TO PREVENT SOUND TRANSMISSION AND MAINTAIN FIRE RATING OF THE WALL. SUBMIT METHOD OF SEALING SLEEVES FOR APPROVAL. U.L. ASSEMBLY RATING OF FIRE WALLS SHALL BE MAINTAINED AT ALL TIMES. ALL SLEEVES INSTALLED IN MASONRY OR CONCRETE CONSTRUCTION SHALL BE GROUTED IN PLACE.

2 DETAIL - ACOUSTICAL DUCTWORK PENETRATION

SCALE: N.T.S.



NOTES:

1. INSTALL FIRE DAMPER IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION DETAILS. DO NOT VARY FORM THOSE INSTRUCTIONS IN ANY WAY. DO NOT FIRESTOP THE GAP BETWEEN THE FIRE DAMPER SLEEVE AND THE PENETRATION UNLESS SPECIFICALLY REQUIRED BY THE DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. TERMINATION OF WALL OR FLOOR OPENING AT DAMPER SLEEVE SHALL BE AS REQUIRED BY UNDERWRITERS LABORATORIES AND AS DEFINED UNDER ANOTHER DIVISION OF THE SPECIFICATIONS.

3 DETAIL - FIRE DAMPER

SCALE: N.T.S.

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
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RAQUEL DESCHLER

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843.577.6073

MECHANICAL DETAILS

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
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ROOFTOP AIR HANDLING UNIT SCHEDULE

DESIGNATION	LOCATION	SERVICE	AIRFLOW		COOLING COIL DATA							HOT GAS REHEAT COIL DATA				NATURAL GAS HEATING COIL DATA	ELECTRIC HEATING COIL (KW)	WEIGHT (LBS)	ELECTRICAL					BASIS OF DESIGN
					EAT °F		LAT °F		TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	OUTDOOR AMBIENT °F DB	LAT °F	SENSIBLE CAPACITY (MBH)	TOTAL CAPACITY (MBH)	KW				VOLTS	PHASE	HERTZ	MOCP (A)	MCA (A)	
			CFM	ESP (IN WG)	DB	WB	DB	WB																
DOAU-1	MECH ROOF	BUILDING	3155	2	84.1	80.7	48	47.5	362	124	95.0	72	8.28	112.7	33	40	4716	208	3	60	200	150	TRANE- HORIZON

DIRECT EXPANSION FAN COIL UNIT SCHEDULE

DESIGNATION	CFM	ESP (IN WG)	REFRIGERANT	COIL DUTY							TYPE	WEIGHT (LBS)	ELECTRICAL						BASIS OF DESIGN	REMARKS
				COOLING				HEATING												
				EAT (°F)		MBH							VOLTS	PHASE	HERTZ	MCA	MOCP		
				DB	WB	SENSIBLE	TOTAL	EAT (°F)	LAT (°F)	MBH										
FCU-1A	835	.6	R-410A	74.0	61.7	17.3	17.5	70	80.0	13.5	DUCTED	93	208	1	60	2.23	15	CARRIER MMD-UL	
FCU-1B	835	.6	R-410A	74.0	61.7	17.3	17.5	70	80.0	13.5	DUCTED	93	208	1	60	2.23	15	CARRIER MMD-UL	
FCU-2	300	.6	R-410A	74.0	61.7	8.11	8.3	70	80.0	6.4	DUCTED	56	208	1	60	1.1	15	CARRIER MMD-UL	
FCU-3	750	.6	R-410A	74.0	61.7	11.08	11.3	70	80.0	8.8	DUCTED	73	208	1	60	2.23	15	CARRIER MMD-UL	
FCU-4	860	.6	R-410A	74.0	61.7	6.06	6.1	70	80.0	4.7	DUCTED	56	208	1	60	2.23	15	CARRIER MMD-UL	
FCU-5	510	.6	R-410A	74.0	61.7	4.72	4.8	70	80.0	3.7	DUCTED	56	208	1	60	.91	15	CARRIER MMD-UL	
FCU-6	220	.6	R-410A	74.0	61.7	3.80	3.9	70	80.0	3.0	DUCTED	56	208	1	60	.91	15	CARRIER MMD-UL	
FCU-7	850	.6	R-410A	74.0	61.7	16.21	16.5	70	80.0	12.8	DUCTED	73	208	1	60	.91	15	CARRIER MMD-UL	
FCU-8	500	.6	R-410A	74.0	61.7	8.31	8.5	70	80.0	6.6	DUCTED	56	208	1	60	.91	15	CARRIER MMD-UL	
FCU-9	730	.6	R-410A	74.0	61.7	4.92	5.0	70	80.0	3.9	DUCTED	56	208	1	60	.91	15	CARRIER MMD-UL	
FCU-10	920		R-410A	74.0	61.7		5.0	0	0	27.0	WALL MOUNTED	36	208	1	60	.6	15	CARRIER MMK-UL	
FCU-11	920		R-410A	74.0	61.7		12	0	0	27.0	WALL MOUNTED	36	208	1	60	.6	15	CARRIER MMK-UL	

EXHAUST FAN SCHEDULE

DESIGNATION	SERVICE	TYPE	CFM	ESP (INCH H2O)	APPROX RPM	MOTOR		DRIVE	ELECTRICAL			APPROX WEIGHT (LBS)	BASIS OF DESIGN	REMARKS
						BHP	HP		VOLTS	PHASE	HERTZ			
GEF-1	BUILDING	A	530	0.25	397	.01	1\2	DIRECT	115	1	60	74	CUE-VG	
GEF-2	BUILDING	A	75	0.25	452	0	1\10	DIRECT	115	1	60	34	CUE-VG	

VRF OUTDOOR UNIT SCHEDULE

DESIGNATION	NOMINAL COOLING CAPACITY (BTU/HR)	NOMINAL HEATING CAPACITY (BTU/HR)	DESIGN COOLING OUTDOOR TEMP (°F)	DESIGN HEATING OUTDOOR TEMPERATURE (°F)	AHRI RATING (COP)	ELECTRICAL					BASIS OF DESIGN	REMARKS
						VOLTS	PHASE	HERTZ	MCA	MOCP		
HP-1	168,000	189,000	95	30.1	3.54	208	3	60	38	40	CARRIER MMY-MU	

AIR DEVICE SCHEDULE

NUMBER	DUTY	TYPE	CFM		FACE/MODULE SIZE (IN)	NOMINAL DUCT SIZE (IN)	BLOW	MAX TOTAL AIR PD (IN H2O)	MAX NOISE CRITERIA VALUE	BASIS OF DESIGN		REMARKS
			MIN	MAX						MANUFACTURER	MODEL	
A1	SUPPLY	A	0	150	24"x24'	6"ø	4-WAY	0.10	25	TITUS	OMNI	
A2	SUPPLY	A	151	275	24"x24'	8"ø	4-WAY	0.10	25	TITUS	OMNI	
A3	SUPPLY	A	276	375	24"x24'	10"ø	4-WAY	0.10	25	TITUS	OMNI	
B1	SUPPLY	B	0	150	24"x24'	6"ø	4-WAY	0.10	25	TITUS	OMNI-AA	
C1	SUPPLY	C	0	150	6"x6"	6"x6"	-	0.10	25	TITUS	300RL	
D1	SUPPLY	D	0	150	48"x6"	8"ø	1 x 1.5" SLOT	0.10	25	TITUS	FL JETTHROW	
D2	SUPPLY	D	151	275	48"x6"	8"ø	1 x 1.5" SLOT	0.10	25	TITUS	FL HIGHTHROW	
E1	RETURN	E	101	175	24"x24'	8"ø	-	0.10	25	TITUS	PAR	
F1	RETURN	F	326	425	48"x6"	10"ø	1 x 1.5" SLOT	0.10	25	TITUS	FL JETTHROW	
G1	EXHAUST	G	0	150	24"x24'	6"x6"	-	0.10	25	TITUS	PAR-AA	
G2	EXHAUST	G	151	250	24"x24'	8"x8"	-	0.10	25	TITUS	PAR-AA	

ELECTRIC UNIT HEATER SCHEDULE

DESIGNATION	CAPACITY (MBH)	MAX KW	MOUNTING	ELECTRICAL			BASIS OF DESIGN	REMARKS
				VOLTS	PHASE	HERTZ		
EUH-1	11.2	3.3	WALL MOUNTED	208	1	60	TRANE UHEC	

BRANCH CONTROLLER SCHEDULE

DESIG	NO. BRANCHES	MAX CAPACITY PER BRANCH (MBH)	FLUID	ELECTRICAL		WEIGHT (LB)	REMARKS
				V/Ø/Hz	MCA (A)		
BC-1	12	60	R-410A	208/1/60	0.75	106	

DUCT CONSTRUCTION AND LEAK TEST SCHEDULE

DUCT SYSTEM	MAXIMUM OPERATING PRESSURE (IN H2O)	PRESSURE CLASS (IN H2O)	POSITIVE OR NEGATIVE	SMACNA DUCT SEAL CLASS	TEST REQUIRED (YES/NO)	TEST PRESSURE (IN H2O)	DUCT LEAK CLASS	
							RECTANGULAR	ROUND
SUPPLY AIR	2"	2"	POSITIVE	A	NO	-	4	2
RETURN AIR	-2"	2"	NEGATIVE	A	NO	-	4	2
OUTSIDE AIR	2"	2"	POSITIVE	A	NO	-	4	2
EXHAUST AIR	-2"	2"	NEGATIVE	A	NO	-	4	2

BUILDING DESIGN COMMISSIONING DATA

1.	OUTSIDE DESIGN CONDITIONS:	
	SUMMER	95.0°F DB / 77.5°F WB
	SUMMER (DEHUMIDIFICATION):	84.1°F DB / 80.7°F DP
	WINTER:	30.9 °F
2.	GENERAL BUILDING CRITERIA:	
	WALL U-FACTOR:	0.059
	ROOF U-FACTOR:	0.027
	GLASS U-FACTOR:	0.41
	GLASS SHADING COEFFICIENT:	0.25
3.	GENERAL BUILDING DESIGN LOAD REQUIREMENTS:	
	LIGHTING:	0.5 - 1.5 W/SF
	EQUIPMENT:	1.5 - 2.5 W/SF
	PEOPLE (OFFICE-SENSIBLE):	250 BTUH/PERSON
	PEOPLE (OFFICE-LATENT):	200 BTUH/PERSON
4.	COMFORT HEATING:	
	INTERIOR SPACES	70ºF ±2ºF
5.	COMFORT COOLING:	
	INTERIOR SPACES	74ºF ±2ºF / 50% RH
6.	MINIMUM BUILDING POSITIVE PRESSURE:	0.05" WG
7.	GENERAL EXHAUST CRITERIA:	
	TOILETS/URINALS:	75 CFM/FIXTURE
	SHOWERS:	50 CFM/FIXTURE
8.	CODES:	
	INTERNATIONAL BUIDING CODE, 2018	
	INTERNATIONAL MECHANICAL CODE, 2018	
	INTERNATIONAL PLUMBING CODE, 2018	
	INTERNATIONAL ENERGY CONSERVATION CODE, 2021	
	NATIONAL ELECTRIC CODE, 2009	
	NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS (LATEST EDITIONS)	

to be updated

SEALS

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194 SEVEN FARMS DRIVE
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MECHANICAL SCHEDULES

SHEET NAME

PROJECT NUMBER 321261.B0
DRAWN BY PJH
CHECKED BY ZJB
DATE 12/16/2024
SCALE NONE

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THROUGH PENETRATION FIRESTOP SCHEDULE

A. THIS SCHEDULE INDENTIFIES REQUIREMENTS FOR ACCEPTABLE THROUGH PENETRATION FIRESTOPS FOR THIS PROJECT BASED ON BARRIER TYPE, BASIS OF BARRIER CONSTRUCTION, AND PENERTRANT TYPE.

B. THROUGH PENETRATION FIRESTOPS ARE NOT REQUIRED FOR FLOOR PENETRATIONS CONTAINED TOTALLY WITHIN A RATED SHAFT ENCLOSURE.

C. FOR EACH PENETRATIONM SELECT A THROUGH PENETRATION FIRESTOP BASED ON ACTUAL FIELD CONDITIONS, WHICH INCLUDE BUT ARE NOT LIMITED TO PENETRATION SIZE, PENETRATION SHAPE, PENETRANT MATERIALS(S), QUANTITY OF PENETRANTS PER PENETRATION, AND LOCATION(S) OF PENETRANT(S) WITHIN PENETRATION.

D. NOMENCLATURE OF UL CLASSIFIED FIRESTOP ASSEMBLIES USED IN THIS SCHEDULE IS IDENTICAL TO THAT USED IN CATALOGS OR APPROVED FIRESTOP MANUFACTUREES (SEE DIVISION 15) AND IN UNDERWRITERS LABORATORIES "FIRE RESISTANCE DIRECTORY."

RATED BARRIER		FIRESTOP ASSEMBLY REQUIREMENTS		PENETRANT TYPE					
TYPE	BASIS OF CONSTRUCTION			NO PENETRANTS	METALLIC UNINSULATED PIPE, OR TUBING (EX COPPER, IRON, STEEL)	NONMETALLIC UNINSULATED PIPE, OR TUBING (EX PVC, PP, STEEL)	INSULATED PIPES (EX COPPER, IRON, PLASTIC, STEEL) IN SYSTEMS OPERATING BETWEEN 32°F AND 122°F	INSULATED PIPES (EX COPPER, IRON, PLASTIC, STEEL) IN SYSTEMS OPERATING BETWEEN 32°F AND 122°F	METAL DUCT (NOTE 1)
WALL	METAL STUDS & GYPSUM WALLBOARD (U400 SERIES)	UL CLASSIFIED SERIES	SINGLE PENETRANT	W-L-0000 SERIES OR NOTE 2	W-L-1000 SERIES	W-L-2000 SERIES	W-L-5000 SERIES	W-L-5000 SERIES	W-L-7000 SERIES
			MULTIPLE PENETRANTS		W-L-8000 SERIES (NOTE 3)		W-L-8000 SERIES (NOTE 3)	W-L-8000 SERIES (NOTE 3)	N/A
		F RATING		EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING
		T RATING		NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5
		EXCEPTIONS/ ADDED REQUIREMENTS		NONE	NOTE 8	NOTE 8	NONE	NOTE 4	NONE
WALL	POURED CONCRETE, CONCRETE BLOCK OR MASONRY (BLOCK & U900 SERIES) (ANY THICKNESS)	UL CLASSIFIED SERIES	SINGLE PENETRANT	W-L-0000 SERIES OR NOTE 2	C-AJ-1000 SERIES W-J-1000 SERIES	C-AJ-2000 SERIES W-J-2000 SERIES	C-AJ-5000 SERIES OR W-J-5000 SERIES	C-AJ-5000 SERIES OR W-J-5000 SERIES	C-AJ-7000 SERIES OR W-J-5000 SERIES
			MULTIPLE PENETRANTS		C-AJ-8000 OR W-J-8000 SERIES (NOTE 3)		C-AJ-8000 OR W-J-8000 (NOTE 3)	C-AJ-8000 OR W-J-8000 (NOTE 3)	N/A
		F RATING		EQUAL TO WALL RATING	EQUAL TO WALL RATING				
		T RATING		NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5
		EXCEPTIONS/ ADDED REQUIREMENTS		NONE	NOTES 7 & 8	NOTE 8	NONE	NOTE 4	NONE
FLOOR	POURED CONCRETE (ANY THICKNESS)	UL CLASSIFIED SERIES	SINGLE PENETRANT	C-AJ-000 SERIES F-A-0000 SERIES OR NOTE 2	C-AJ-000 SERIES F-A-0000 SERIES	C-AJ-0200 SERIES F-A-2000 SERIES	C-AJ-5000 OR F-A-5000 SERIES	C-AJ-5000 OR F-A-5000 SERIES	C-AJ-7000 OR F-A-7000 SERIES
			MULTIPLE PENETRANTS		C-AJ-8000 OR F-A-8000 SERIES (NOTE 3)		C-AJ-8000 OR F-A-8000 (NOTE 3)	C-AJ-8000 OR F-A-8000 (NOTE 3)	N/A
		F RATING		EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR
		T RATING		NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6
		EXCEPTIONS/ ADDED REQUIREMENTS		NONE	NOTE 7	NONE	NONE	NOTE 4	NONE

NOTES:

1. THIS SCHEDULE'S DATA APPLY ONLY TO PENETRATIONS WITHOUT DAMPERS. FOR DAMPERED PENETRATIONS, REFER TO SPECIFICATIONS. AT DAMPERS, DO NOT APPLY MATERIAL THAT IS NOT INCLUDED IN THE DAMPER'S CLASSIFICATION.
2. SEAL OPENING USING BARRIER'S ORIGINAL CONSTRUCTION.
3. WHERE A SERIES 8000 CLASSIFIED SYSTEM IS NOT AVAILABLE, INSTALL PENETRANTS SINGLY, AND PROVIDE SINGLE-PENETRANT SYSTEMS.
4. FOR SYSTEMS THAT OPERATE BELOW 32°F OR ABOVE 122°F, COMPLY WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:
   A. PROVIDE TPFS SYSTEM USING INTUMESCENT ELASTROMERIC WRAP STRIP AS ITS FILL, VOID, OR CAVITY MATERIAL.
   B. DO NOT USE SERIES 8000 PENETRATIONS. PROVIDE ONLY SINGLE PENETRATIONS.
5. TEMPERATURE (T) RATINGS OF ASSEMBLIES IN WALLS MAY EQUAL ZERO.
6. TEMPERATURE (T) RATINGS OF ASSEMBLIES IN FLOORS SHALL EQUAL THE GREATER OF EITHER BARRIER RATING OR ONE HOUR EXCEPT AS FOLLOWS:
   A. AN ASSEMBLY'S T RATING MAY EQUAL ZERO WHRN THE PENETRANT ABOVE THE FLOOR PENETRATION IS CONTAINED AND LOCATED WITHIN THE CAVITY OF A WALL.
7. CLASSIFIED TPFS ASSEMBLY IS NOT REQUIRED WHEN ALL THE FOLLOWING CONDITIONS ARE MET;
   A. PENETRANT HAS A MAXIMUM NOMINAL DIAMETER OG 6 INCHES.
   B. PENETRATION HAS A MAXIMUM AREA OF 144 SQUARE INCHES.
   C. ANNULAR SPACE IS COMPLETELY FILLED WITH CONCRETE, GROUT, OR MORTAR THE FULL THICKNESS OF THE BARRIER.

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — 1/9/25 — No. 36136 — RAQUEL DESCHLER

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

MECHANICAL SCHEDULES

SHEET NAME

PROJECT NUMBER 321261.B0
DRAWN BY RW
CHECKED BY RD
DATE 12/16/2024
SCALE NONE

M502

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PLUMBING GENERAL NOTES

1 PRIOR TO PREPARING THE BID, IT IS RECOMMENDED THAT THE CONTRACTOR AND SUBCONTRACTORS VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AND MAKE ALL NECESSARY INVESTIGATIONS AS TO THE LOCATIONS OF UTILITIES AND ALL OTHER MATTERS WHICH CAN AFFECT THE WORK. NO ADDITIONAL COMPENSATION WILL BE MADE TO THE CONTRACTOR AS A RESULT OF THEIR FAILURE TO FAMILIARIZE THEMSELF WITH THE CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED.

2 THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND BUILDING DIMENSIONS PRIOR TO WORK. ANY VARIATIONS, DISCREPANCIES, OR FIELD ALTERATIONS TO THESE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT ATTENTION PRIOR TO WORK. IF CONTRACTOR COMMENCES WORK WITHOUT NOTIFYING ARCHITECT OF VARIATIONS, DISCREPENCIES, OR FIELD ALTERATIONS, THAT SHALL CONSTITUTE WAIVER TO ANY CLAIM BY CONTRACTOR FOR ADDITIONAL EXPENSES NECESSARY TO PERFORM WORK ASSOCIATED WITH THOSE CONDITIONS.

3 THIS CONTRACT REQUIRES COMPLETE, FINISHED WORKABLE PROJECT OF THE AREAS INDICATED BY THE CONTRACT DOCUMENTS, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE SAME, REGARDLESS OF WHETHER OR NOT EACH AND EVERY NECESSARY WORK OR ITEM IS SPECIFICALLY INDICATED ON ANY OTHER PORTION OF THE DRAWING AND/OR NOTES.

4 AS A MINIMUM, ALL WORK SHALL CONFORM TO THE APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL CODES AND ORDINANCES ADOPTED BY THE JURISDICTION OF THE WORK. WHERE MORE STRINGENT CODES ARE ADOPTED, THEY SHALL GOVERN THE WORK.

5 CONTRACTOR SHALL FURNISH ALL INFORMATION AND DOCUMENTATION TO SECURE ALL REQUIRED PERMITS AND SHALL COORDINATE THIS DATA WITH THE CONSTRUCTION DOCUMENTS WHERE REQUIRED.

6 CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS SO THAT THE WORK AND SCHEDULE ARE NOT IMPEDED. SCHEDULE WORK PROGRESS THROUGHOUT THE ENTIRE PROJECT TO PREVENT CONFLICTS AND INTERFERENCE, OBTAIN ALL NECESSARY INFORMATION SUCH AS SIZES, LOCATIONS, TEMPLATES, LAYOUT, DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER AND WELL COORDINATED INSTALLATION. PRIOR TO INSTALLATION OF ITEMS, CONFER WITH EACH CONTRACTOR EXACT LOCATION OF ALL ITEMS.

7 WHERE MATERIALS REFERENCED ON DRAWINGS, OR NECESSARY TO COMPLETE THE WORK OF THIS CONTRACT ARE NOT SPECIFIED HEREIN, PROVIDE BEST QUALITY MATERIALS. WHERE MATERIALS ARE INTENDED TO MATCH EXISTING, PROVIDE CLOSEST POSSIBLE MATCH, SUBJECT TO OWNER'S APPROVAL. ALL ITEMS AND WORK ON DRAWINGS ARE NEW UNLESS INDICATED OTHERWISE. ALL WORK WHICH HAS BEEN DAMAGED SHALL BE REPAIRED OR REPLACED. WHERE ITEM CANNOT BE REPAIRED TO A "NEW CONDITION", OR WHERE THE STRUCTURAL INTEGRITY HAS BEEN AFFECTED, ITEM SHALL BE REPLACED.

8 CONTRACTOR SHALL OBTAIN FROM OWNER ALL REQUIREMENTS FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT INCLUDING ROUGHING DIAGRAMS, INSTALLATION INSTRUCTIONS, ELECTRICAL SCHEMATICS, TEMPLATES, LAYOUTS AND DIMENSIONS AND ALL OTHER INFORMATION NECESSARY FOR A PROPER, WELL COORDINATED INSTALLATION. PRIOR TO ROUGH-IN SERVICES, CONFER WITH OWNER EXACT LOCATION OF ALL ITEMS.

9 DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

10 CONFIRM ALL ROUGH AND/OR FINISH DIMENSIONS FOR ACCURATE FITTING OF PLUMBING EQUIPMENT, FIXTURES, PIPING, ETC BEFORE FABRICATION AND INSTALLATION.

11 COORDINATE FINAL EQUIPMENT/FIXTURE LOCATIONS WITH THE GENERAL CONTRACTOR. THE LOCATION AS INDICATED ON THE DRAWING IS APPROXIMATE. INSTALL ALL PLUMBING EQUIPMENT SUCH THAT MANUFACTURER'S MAINTENANCE AREA IS CLEAR.

12 PROVIDE AND INSTALL ALL NECESSARY HARDWARE, BRACKETS, BRACING, ANCHORING, INSERTS, BLOCKING, FURRING OR OTHER SUPPLEMENTARY ITEMS NEEDED FOR COMPLETE INSTALLATION OF EQUIPMENT, FIXTURES AND ACCESSORIES

13 ALL WALL MOUNTED PLUMBING DEVICES OR CONTROLS SHALL BE INSTALLED IN LOCATIONS WHICH ARE UNOBSTRUCTED BY CABINETS, COUNTERS, RACKS, FIXTURES, FURNISHINGS OR EQUIPMENT. ITEMS INTENDED FOR WALL MOUNTING SHALL NOT BE INSTALLED ON, THROUGH OR INTO ANY OTHER EQUIPMENT UNLESS SPECIFICALLY CALLED FOR. VERIFY MOUNTING HEIGHTS WITH ARCHITECT AND ADA REQUIREMENTS.

14 DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS ARE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS.

15 COORDINATE UNDERGROUND PIPING INVERT ELEVATIONS WITH STRUCTURAL FOOTING ELEVATIONS AND CIVIL INVERT CONNECTIONS PRIOR TO ANY UNDERGROUND PIPING INSTALLATIONS. IF FOOTINGS ARE IN CONFLICT AND WHERE A PIPING ROLL DOWN IS NOT POSSIBLE, COORDINATE WITH GENERAL CONTRACTOR FOR DROPS IN FOOTINGS AS REQUIRED.

16 INSTALL CLEANOUTS IN ABOVEGROUND PIPING AND UNDERSLAB BUILDING DRAIN PIPING AT EACH CHANGE IN DIRECTION OF PIPING GREATER THAN 45 DEGREES, AT BASE OF EACH VERTICAL SOIL AND WASTE STACK, AND AT MINIMUM INTERVALS OF 50 FEET FOR PIPING NPS 4 AND SMALLER AND 100 FEET FOR LARGER PIPING. ON DOUBLE SIDED WALLS, COORDINATE ACCESSIBLE DIRECTION OF BASE CLEANOUTS IN VERTICAL STACKS WITH ARCHITECT AND PROVIDE WALL ACCESS COVER.

17 DO NOT ENCLOSE, COVER, OR PUT PIPING INTO OPERATION UNTIL IT IS TESTED, INSPECTED AND APPROVED BY AUTHORITIES HAVING JURISDICTION OR OWNERS REPRESETNAITVE.

18 WHERE INDICATED AS ADA ON THE ARCHITECTURAL DRAWINGS, FIXTURE INSTALLATION SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.

19 UNLESS ABSOLUTELY NECESSARY, ALL PLUMBING DEVICES, EQUIPMENT, VALVES, ETC. THAT REQUIRE ACCESS SHALL NOT BE LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. WHERE UNAVOIDABLE, PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS TO ACCESS DEVICES, EQUIPMENT, VALVES, ETC.

20 THE CONTRACTOR SHALL ROUGH-IN ALL WASTES AND WATER SUPPLIES FOR FIXTURES AND PERFORM FINAL CONNECTIONS AS NEEDED.

21 PLUMBING VENT PIPING SHOWN IS ONLY FOR DIAGRAMMATIC PURPOSES. COORDINATE VENT THROUGH ROOF LOCATION TO BE MINIMUM 10 FEET FROM HVAC AIR INTAKES.

22 ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMER CONNECTIONS UNLESS NOTED OTHERWISE. WHERE TRAP PRIMERS ARE NOT PROVIDED, PROVIDE TRAP SEAL INSERT DEVICES.

23 ALL FLOOR AND ROOF DRAINS SHALL BE PROTECTED FOR THE DURATION OF THE PROJECT. IF ANY DRAINS ARE FOUND TO CONTAIN DEBRIS THE CONTRACTOR SHALL CLEAN AND SCOPE THE DRAIN SYSTEM AT NO ADDITIONAL CHARGE TO THE OWNER.

24 INSTALL UNIONS OR FLANGES AT ALL CONNECTIONS TO EACH PIECE OF EQUIPMENT AND ON BOTH SIDES OF VALVES AND OTHER IN-LINE DEVICES THAT REQUIRE REMOVAL FOR MAINTENANCE.

25 INSTALL SHUT-OFF VALVES IN PIPING WHERE SHOWN ON THE DRAWINGS AND WHERE CALLED FOR IN THE SPECIFICATION SECTION "VALVES FOR PLUMBING PIPING".

26 ALL VALVES ABOVE CEILINGS AND IN CONCEALED SPACES SHALL BE LABELED AT CEILING TILE WITH METAL CEILING TACKS INDICATING VALVE # AND TYPE OF WATER. (I.E.; BLUE=COLD WATER, LETTERING CW VLV1-001).

27 ALL FLUSH VALVE WATER CLOSETS SHALL BE ROUGHED IN SO THAT THE FLUSH VALVE HANDLE IS TO THE WIDE SIDE OF THE ROOM/STALL.

28 INSTALL WATER-HAMMER ARRESTERS IN WATER PIPING AT THE END OF ALL BRANCH LINES AND AS INDICATED ON THE DRAWINGS ACCORDING TO PDI-WH 201. PIPE EXTENSIONS SHALL NOT BE USED IN PLACE OF SHOCK ABSORBERS.

29 ALL EXPOSED PIPING SHALL RUN PARALLEL WITH AND PERPENDICULAR TO WALLS AND BUILDING STRUCTURE.

30 ALL EXPOSED EQUIPMENT AND PIPING SHALL BE PREPPED FOR PAINTING. PAINTING SHALL BE BY OTHERS. TAGS AND LABELS SHALL NOT BE PAINTED.

PLUMBING SYMBOLS

EQUIPMENT DESIGNATIONS

SYMBOL	DESCRIPTION
ET-X	EXPANSION TANK DESIGNATION
FD-X	FLOOR DRAIN DESIGNATION
P-X	PLUMBING FIXTURE DESIGNATION
RD-X	ROOF DRAIN DESIGNATION
OD-X	OVERFLOW DRAIN DESIGNATION
RP-X	RECIRCULATING PUMP DESIGNATION
DWH-X	DOMESTIC WATER HEATER DESIGNATION
WH-X	WALL HYDRANT DESIGNATION

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER (POTABLE)
	DOMESTIC HOT WATER
	DOMESTIC HOT RETURN
—SD—	STORM DRAIN
	SANITARY
	VENT
OD	OVERFLOW

FIRE RATED

	SEE ARCHITECTURAL
	SEE ARCHITECTURAL

COMPONENTS AND SPECIATIES

SYMBOL	DESCRIPTION
	BACKFLOW PREVENTER (REDUCED ZONE PRESSURE)
	(WCO) WALL CLEAN OUT
	(FCO) FLOOR CLEAN OUT
	(GCO) GROUND CLEAN OUT
WH	EXTERIOR WALL HYDRANT (FREEZE PROOF)
HED	HOSE END DRAIN VALVE
	FLOOR DRAIN
	ROOF DRAIN
	ROOF OVERFLOW DRAIN

PLUMBING ABBREVIATIONS

NOTE: THIS IS A STANDARD ABBREVIATION LIST. SOME ABBREVIATIONS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.

A	COMPRESSED AIR
BCWR	BEARING COOLING WATER RETURN
BCWS	BEARING COOLING WATER SUPPLY
BO	BLOW OFF
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
CA	CONTROL AIR
CBD	CONTINUOUS BLOWDOWN
CC	CAMPUS CONDENSATE
CF	CHEMICAL FEED
CFM	CUBIC FEET PER MINUTE
CHEL	CHELANT
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEANOUT
CW	COLD WATER, DOMESTIC CITY WATER
DHR	DISTRIBUTION HEATING WATER RETURN
DHS	DISTRIBUTION HEATING WATER SUPPLY
DIA	DIAMETER
DW	DISTILLED WATER
EA	EXHAUST AIR
ED	EQUIPMENT DRAIN
EJ	EXPANSION JOINT
#2FOR	NUMBER 2 FUEL OIL RETURN
#2FOS	NUMBER 2 FUEL OIL SUPPLY
#6FOR	NUMBER 6 FUEL OIL RETURN
#6FOS	NUMBER 6 FUEL OIL SUPPLY
F	FIRE LINE
F&T	FLOAT AND THERMOSTATIC
FD	FORCED DRAFT
FDV	FIRE DEPARTMENT VALVE
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FOF	FUEL OIL FILL
FOO	FUEL OIL OVERFLOW
FOSUCT	FUEL OIL SUCTION
FOT	FUEL OIL TRANSFER
FOVENT	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FW	FEED WATER
FWR	FEED WATER RECIRCULATION
FWS	FEED WATER SUPPLY
°F	DEGREES FAHRENHEIT
G	NATURAL GAS
GAL	GALLON, GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
DHR	HOT WATER RECIRCULATION
HPR	HIGH PRESSURE STEAM RETURN
HPS	HIGH PRESSURE STEAM SUPPLY
HR	HEATING WATER RETURN
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY
HS	HEATING WATER SUPPLY
HTHW	HIGH TEMPERATURE HEATING WATER SUPPLY
HTWR	HIGH TEMPERATURE HEATING WATER RETURN
IA	INSTRUMENT AIR
KW	KILOWATTS
LP	LIQUID PROPANE
LPG	LIQUID PETROLEUM GAS
LPR	LOW PRESSURE STEAM RETURN
LPS	LOW PRESSURE STEAM SUPPLY
MAV	MANUAL AIR VENT
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCC	MOTOR CONTROL CENTER
MOD	MOTOR OPERATED DAMPER
MPR	MEDIUM PRESSURE STEAM RETURN
MPS	MEDIUM PRESSURE STEAM SUPPLY
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
No	NUMBER
NPSH	NET POSITIVE SUCTION HEAD
OD	OVERFLOW DRAIN
PA	PLANT AIR
PC	PUMPED CONDENSATE
PCR	PUMP CONDENSATE RECIRCULATION
PPH	POUNDS PER HOUR
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR, RELIEF AIR
RDR	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RV	RELIEF VENT
RX	REMOVE EXISTING
SA	SUPPLY AIR
SAN	SANITARY
SS	STAINLESS STEEL
SSUL	SODIUM SULFITE
STDR	STORM DRAIN
SW	SOFT WATER
TW	TREATED WATER
TYP	TYPICAL
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF

STATE OF SOUTH CAROLINA — REGISTERED ENGINEERS — RMF ENGINEERING, INC. CHARLESTON, SC C-00831

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — 1/9/25 — No. 36136 — RAQUEL DESCHLER

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

PLUMBING NOTES, SYMBOLS AND ABBREVIATIONS

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	NONE

P001

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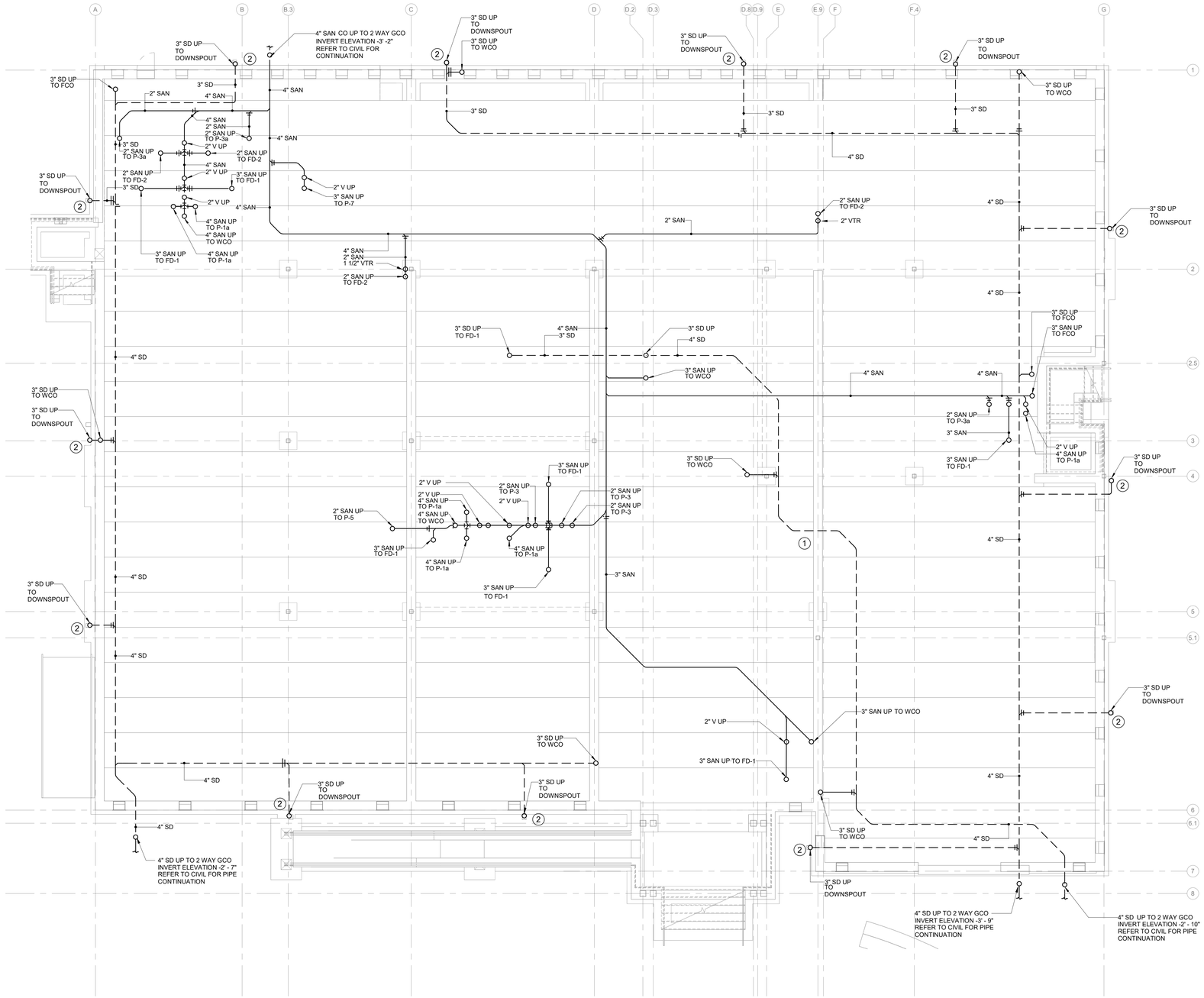

1 / P100 **UNDERSLAB SANITARY, VENT AND STORMWATER PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — 1/9/25 — No. 36136 — RAQUEL DESCHLER

SEALS

GENERAL NOTES

1. INVERTS CALCULATED BASED ON GRADE ELEVATION OF 0' AND AT 1/4" SLOPE PER FOOT.

DRAWING NOTES

1. COORDINATE PENETRATION WITH STRUCTURAL, AS NEEDED.
2. PROVIDE DOWNSPOUT BOOT TO STORM DRAIN BELOW GROUND.

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UNDERSLAB SANITARY, VENT AND STORM WATER PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	3/16" = 1'-0"

P100

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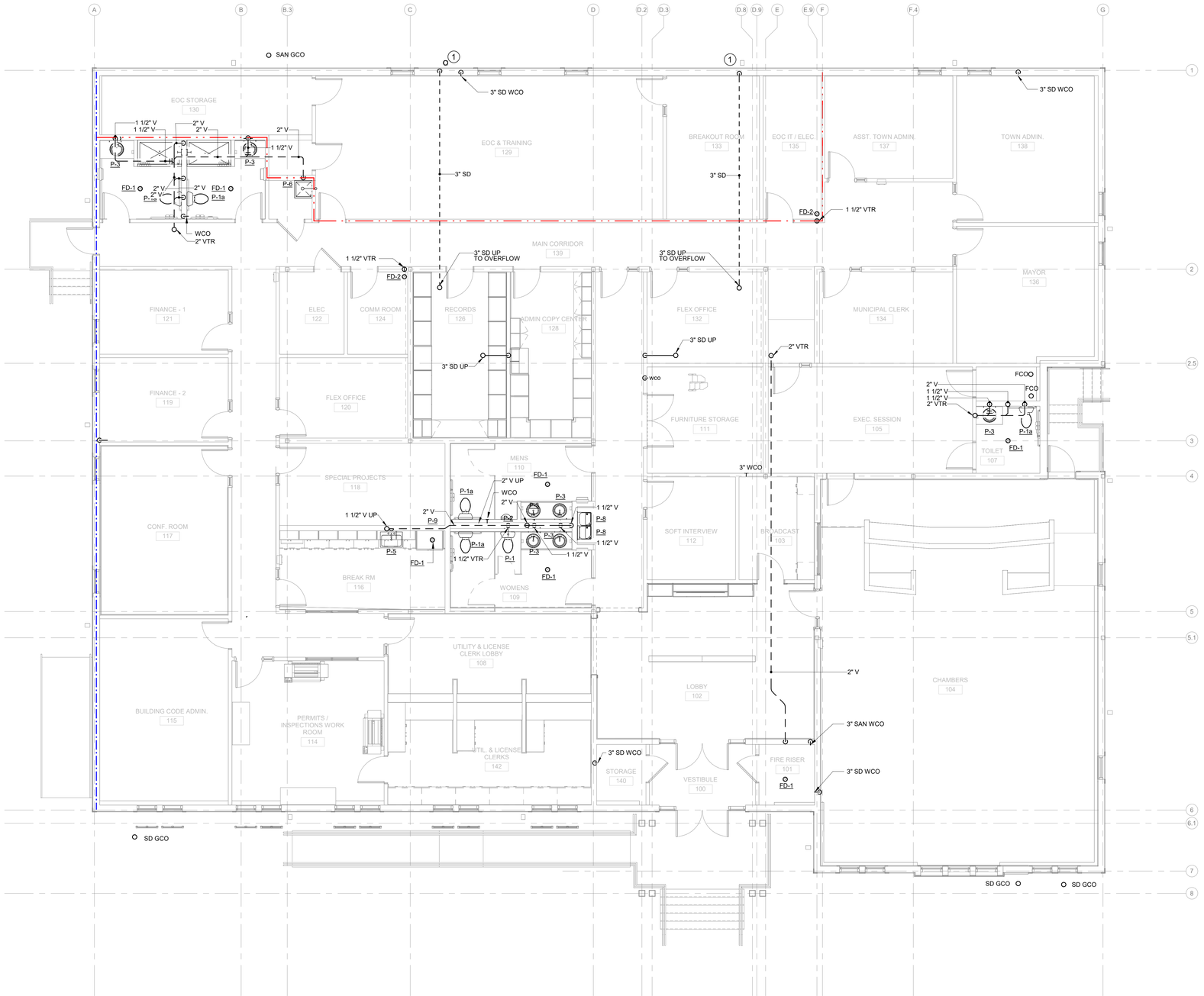

1 / P101 **1ST FLOOR SANITARY AND VENT PIPING PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
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SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
1/9/25
No. 36136
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SEALS

DRAWING NOTES

1. TERMINATE OVERFLOW DRAIN WITH A DOWNSPOUT NOZZLE. REFER TO ARCHITECTURAL DRAWINGS FOR EXTERIOR WALL PENETRATION.

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1ST FLOOR SANITARY, VENT AND STORM WATER PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	3/16" = 1'-0"

P101

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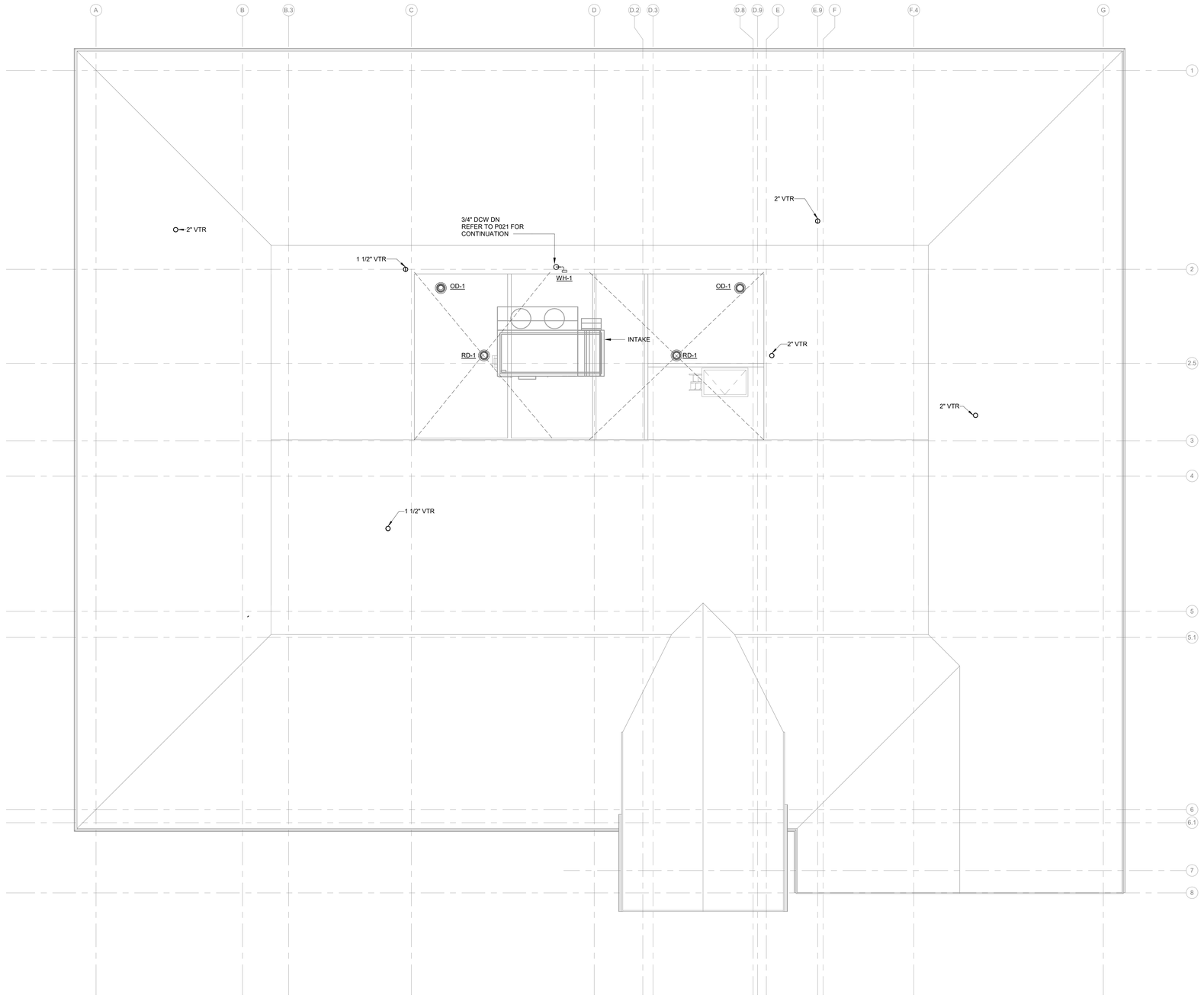

1 P102 **ROOF PLUMBING PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
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REGISTERED ENGINEERS

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
1/9/25
No. 36136
RAQUEL DESCHLER

SEALS

GENERAL NOTES

DRAWING NOTES

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843.577.6073

ROOF PLUMBING PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	RW
CHECKED BY	RD
DATE	12/16/2024
SCALE	3/16" = 1'-0"

P102

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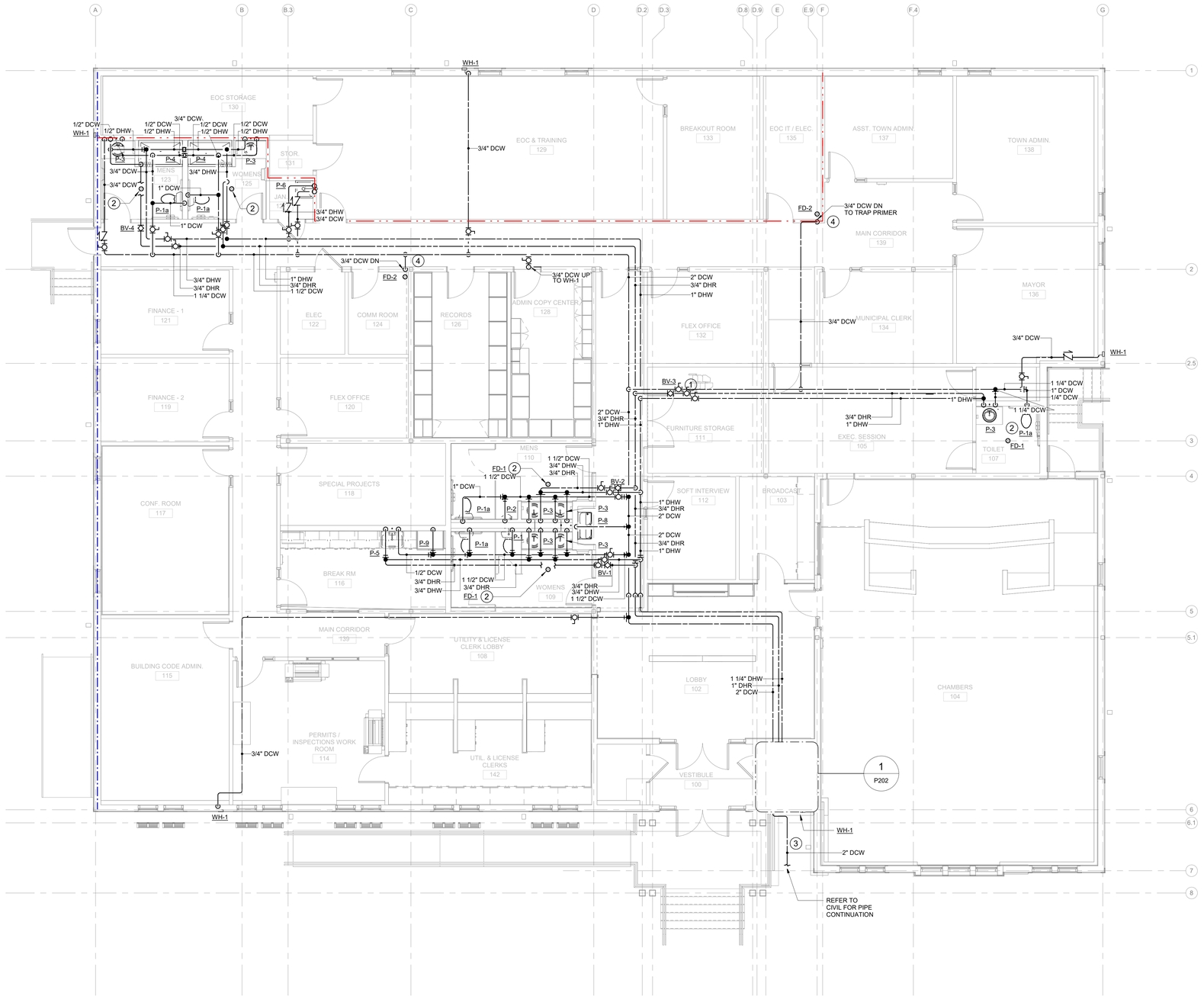

1 P201 **1ST FLOOR DOMESTIC WATER PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
1/9/25
No. 36136
RAQUEL DESCHLER

SEALS

DRAWING NOTES

1. REFER TO ARCHITECTURAL FOR TILE CIELING LOCATION. VALVES MUST BE ACCESIBLE THROUGH REMOVABLE CEILING.
2. PROVIDE TRAP PRIMING LINE TO FLOOR DRAIN FROM NEAREST ACCESIBLE FLUSH VALVE.
3. PIPE SHOWN OUTSIDE OF BUILDING ENVELOPE IS BELOW GRADE.
4. PROVIDE PRESSURE DROP ACTIVATED TYPE TRAP PRIMER. ROUTE PRIMING LINES DOWN IN WALLS TO FLOOR DRAIN.

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1ST FLOOR DOMESTIC WATER PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	3/16" = 1'-0"

P201

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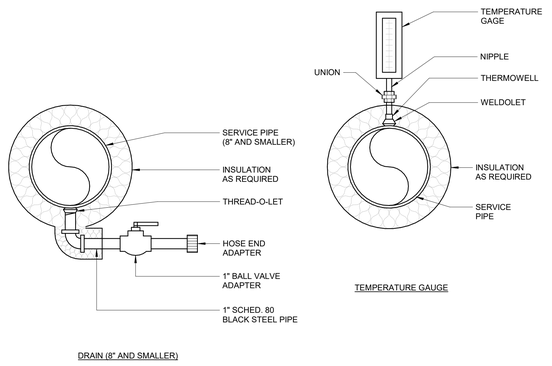
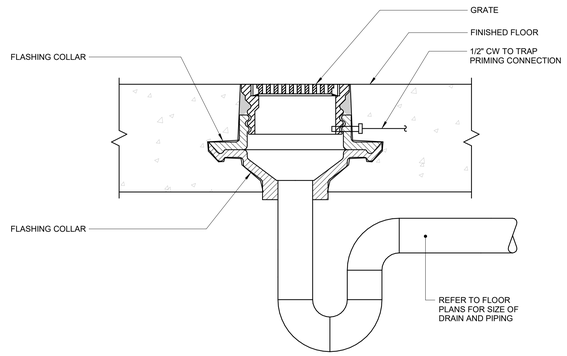
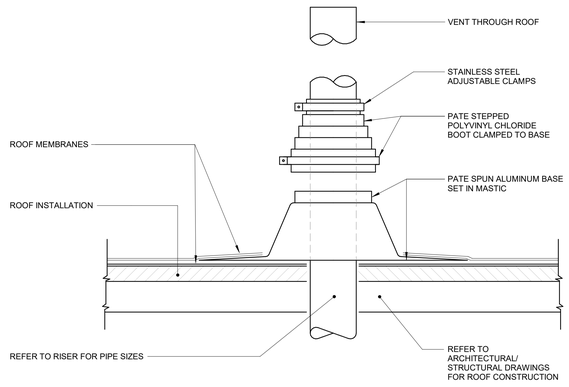


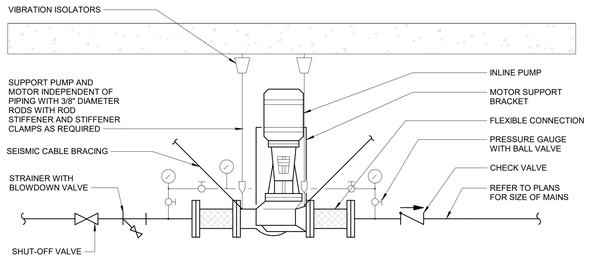
1 DETAIL - TYPICAL PIPING ACCESSORIES INSTALLATION
SCALE: N.T.S.



2 DETAIL - FLOOR DRAIN (TRAP PRIMER)
SCALE: N.T.S.



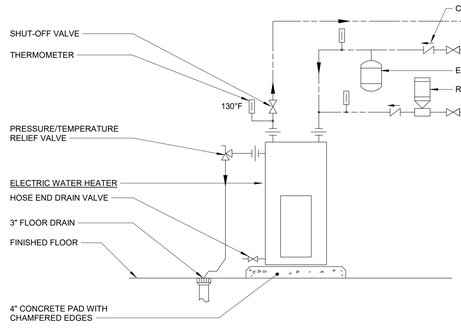
3 DETAIL - SANITARY VENT THROUGH ROOF
SCALE: N.T.S.



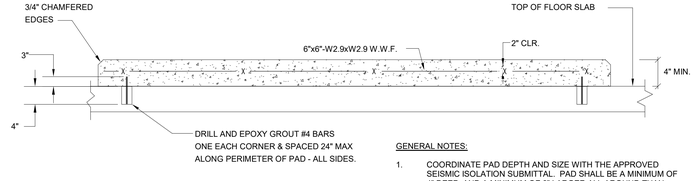
NOTES:

1. PUMP SHALL BE INSTALLED HORIZONTAL OR VERTICAL AS REQUIRED BY THE PUMP MANUFACTURER.
2. PROVIDE SEISMIC SWAY BRACING FOR ALL EQUIPMENT HANGERS PER THE INTERNATIONAL BUILDING CODE AND THE INTERNATIONAL MECHANICAL CODE.
3. CONTRACTOR SHALL VERIFY MAXIMUM LOADING ON EQUIPMENT SUPPORT ASSEMBLIES.

4 DETAIL - INLINE PUMP - SUSPENDED
SCALE: N.T.S.



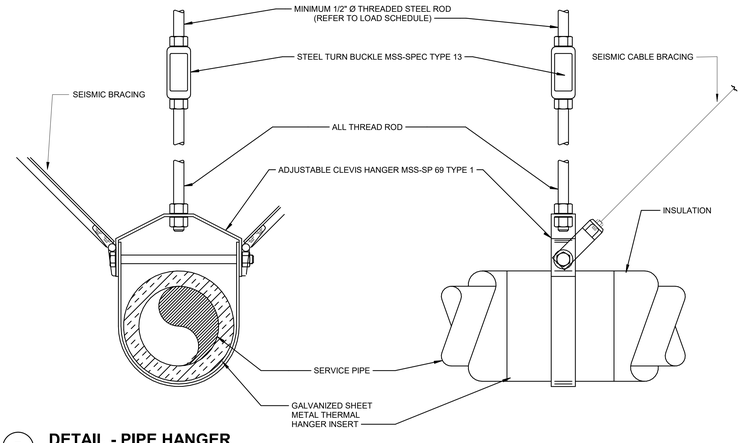
5 DETAIL - ELECTRIC WATER HEATER (WITH RECIRCULATION PUMP)
SCALE: N.T.S.



GENERAL NOTES:

1. COORDINATE PAD DEPTH AND SIZE WITH THE APPROVED SEISMIC ISOLATION SUBMITTAL. PAD SHALL BE A MINIMUM OF 4" DEEP, AND A MINIMUM OF 6" LARGER ALL AROUND THAN EQUIPMENT FURNISHED.

6 DETAIL - INTERIOR CONCRETE EQUIPMENT PAD
SCALE: N.T.S.



7 DETAIL - PIPE HANGER
SCALE: N.T.S.

SEALS

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RMF PROJECT NO: 321261.B0

REVISIONS

Construction Documents

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EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
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PLUMBING DETAILS

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	NTS

P401

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THROUGH PENETRATION FIRESTOP SCHEDULE

A. THIS SCHEDULE IDENTIFIES REQUIREMENTS FOR ACCEPTABLE THROUGH PENETRATION FIRESTOPS FOR THIS PROJECT BASED ON BARRIER TYPE, BASIS OF BARRIER CONSTRUCTION, AND PENETRANT TYPE.

B. THROUGH PENETRATION FIRESTOPS ARE NOT REQUIRED FOR FLOOR PENETRATIONS CONTAINED TOTALLY WITHIN A RATED SHAFT ENCLOSURE.

C. FOR EACH PENETRATION, SELECT A THROUGH PENETRATION FIRESTOP BASED ON ACTUAL FIELD CONDITIONS, WHICH INCLUDE BUT ARE NOT LIMITED TO PENETRATION SIZE, PENETRATION SHAPE, PENETRANT MATERIAL(S), QUANTITY OF PENTRANTS PER PENETRATION, AND LOCATION(S) OF PENETRANT(S) WITHIN PENETRATION.

D. NOMENCLATURE OF UL CLASSIFIED FIRESTOP ASSEMBLIES USED IN THIS SCHEDULE IS IDENTICAL TO THAT USED IN CATALOGS OF APPROVED FIRESTOP MANUFACTURERS (SEE DIVISION 15) AND IN UNDERWRITERS LABORATORIES "FIRE RESISTANCE DIRECTORY."

RATED BARRIER				PENETRANT TYPE					
TYPE	BASIS OF CONSTRUCTION	FIRESTOP ASSEMBLY REQUIREMENTS		NO PENETRANTS	METALLIC, UNINSULATED PIPE OR TUBING (EX COPPER, IRON, STEEL)	NONMETALLIC, UNINSULATED PIPE OR TUBING (EX PVC, PP, FRPP)	INSULATED PIPES (EX COPPER, IRON, PLASTIC, STEEL) IN SYSTEMS OPERATING BETWEEN 32°F AND 122°F	INSULATED PIPES (EX COPPER, IRON, PLASTIC, STEEL) IN SYSTEMS OPERATING BELOW 32°F AND 122°F	METAL DUCT (NOTE 1)
WALL	METAL STUDS & GYPSUM WALLBOARD (U400 SERIES)	UL CLASSIFIED SERIES	SINGLE PENETRANT	W-L-0000 SERIES OR NOTE 2	W-L-1000 SERIES	W-L-2000 SERIES	W-L-5000 SERIES	W-L-5000 SERIES	W-L-7000 SERIES
			MULTIPLE PENETRANTS		W-L-8000 SERIES (NOTE 3)		W-L-8000 SERIES (NOTE 3)	W-L-8000 SERIES (NOTE 3)	N/A
		F RATING		EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING
		T RATING		NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5
		EXCEPTIONS/ADDED REQUIREMENTS		NONE	NOTE 8	NOTE 8	NONE	NOTE 4	NONE
WALL	POURED CONCRETE, CONCRETE BLOCK OR MASONRY (BLOCK & U900 SERIES) (ANY THICKNESS)	UL CLASSIFIED SERIES	SINGLE PENETRANT	W-J-0000 SERIES OR NOTE 2	C-AJ-1000 OR W-J-1000 SERIES	C-AJ-2000 OR W-J-2000 SERIES	C-AJ-5000 OR W-J-5000 SERIES	C-AJ-5000 OR W-J-5000 SERIES	C-AJ-7000 OR W-J-7000 SERIES
			MULTIPLE PENETRANTS		C-AJ-8000 OR W-J-8000 SERIES (NOTE 3)		C-AJ-8000 OR W-J-8000 (NOTE 3)	C-AJ-8000 OR W-J-8000 (NOTE 3)	N/A
		F RATING		EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING
		T RATING		NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5
		EXCEPTIONS/ ADDED REQUIREMENTS		NONE	NOTES 7 & 8	NOTE 8	NONE	NOTE 4	NONE
FLOOR	POURED CONCRETE (ANY THICKNESS)	UL CLASSIFIED SERIES	SINGLE PENETRANT	C-AJ-0000 SERIES F-A-0000 SERIES OR NOTE 2	C-AJ-1000 OR F-A-1000 SERIES	C-AJ-2000 OR F-A-2000 SERIES	C-AJ-5000 OR F-A-5000 SERIES	C-AJ-5000 OR F-A-5000 SERIES	C-AJ-7000 OR F-A-7000 SERIES
			MULTIPLE PENETRANTS		C-AJ-8000 OR F-A-8000 SERIES (NOTE 3)		C-AJ-8000 OR F-A-8000 SERIES	C-AJ-8000 OR F-A-8000 (NOTE 3)	N/A
		F RATING		EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR
		T RATING		NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6
		EXCEPTIONS/ ADDED REQUIREMENTS		NONE	NOTE 7	NONE	NONE	NOTE 4	NONE

NOTES:

1. THIS SCHEDULE'S DATA APPLY ONLY TO PENETRATIONS WITHOUT DAMPERS. FOR DAMPERED PENETRATIONS, REFER TO SPECIFICATIONS. AT DAMPERS, DO NOT APPLY MATERIAL THAT IS NOT INCLUDED IN THE DAMPER'S CLASSIFICATION.
2. SEAL OPENING USING BARRIER'S ORIGINAL CONSTRUCTION.
3. WHERE A SERIES 8000 CLASSIFIED SYSTEM IS NOT AVAILABLE, INSTALL PENETRANTS SINGLY, AND PROVIDE SINGLE-PENETRANT SYSTEMS.
4. FOR SYSTEMS THAT OPERATE BELOW 32°F OR ABOVE 122°F, COMPLY WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:
   A. PROVIDE TPFS SYSTEM USING INTUMESCENT ELASTOMERIC WRAP STRIP AS ITS FILL, VOID, OR CAVITY MATERIAL.
   B. DO NOT USE SERIES 8000 PENETRATIONS. PROVIDE ONLY SINGLE PENETRATIONS.
5. TEMPERATURE (T) RATINGS OF ASSEMBLIES IN WALLS MAY EQUAL ZERO.
6. TEMPERATURE (T) RATINGS OF ASSEMBLIES IN FLOORS SHALL EQUAL THE GREATER OF EITHER THE BARRIER RATING OR ONE HOUR EXCEPT AS FOLLOWS:
   A. AN ASSEMBLY'S T RATING MAY EQUAL ZERO WHEN THE PENETRANT ABOVE THE FLOOR PENETRATION IS CONTAINED AND LOCATED WITHING THE CAVITY OF A WALL.
7. CLASSIFIED TPFS ASSEMBLY IS NOT REQUIRED WHEN ALL THE FOLLOWING CONDITIONS ARE MET:
   A. PENETRANT HAS A MAXIMUM NOMINAL DIAMETER OF 6-INCHES.
   B. PENETRATION HAS A MAXIMUM AREA OF 144 SQUARE INCHES.
   C. ANNULAR SPACE IS COMPLETELY FILLED WITH CONCRETE, GROUT, OR MORTAR THE FULL THICKNESS OF THE BARRIER.

DOMESTIC WATER HEATER SCHEDULE

DESIG	LOCATION	CAPACITY (GAL)	EWT (°F)	LWT (°F)	RECOVERY (GPH)	NUMBER OF ELEMENTS	ELEMENT WATTAGE	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL HERTZ	BASIS OF DESIGN	REMARKS
DWH-1	FIRE RISER	80	40	140	61	3	5000	208	3	60	AOSMITH DRE-80	

1. ELEMENTS TO OPERATE SIMULTANEOUSLY.

PLUMBING FIXTURE SCHEDULE

DESIG	FIXTURE	ROUGH-IN CONNECTION CW	HW	SAN	VENT	FIXTURE UNITS CW	HW	SAN	REMARKS
FD-1	FLOOR DRAIN			3"	1 1/2"			1	
FD-2	FLOOR DRAIN			2"	1 1/2"			1	
OD-1	OVERFLOW ROOF DRAIN			4"				1	
P-1	WATER CLOSET	1"		4"	2"	6		4	
P-1a	WATER CLOSET	1"		4"	2"	6		4	
P-2	URINAL	3/4"		2"	1 1/2"	5		2	
P-3	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	1.5	1.5	1	
P-4	SHOWER	1/2"	1/2"	2"	1 1/2"	3	3	2	
P-5	HAND SINK	1/2"	1/2"	1 1/2"	1 1/2"	1	1	2	
P-6	MOP SINK	1/2"	1/2"	3"	1 1/2"	2.25	2.25	2	
P-8	WATER COOLER	1/2"		1 1/2"	1 1/2"	0.25		0.5	
P-9	ICE MAKER OUTLET	1/2"				0.25			
RD-1	ROOF DRAIN			4"				1	
WH-1	HYDRANT	3/4"				0.5			

RECIRCULATION PUMP SCHEDULE

DESIGNATION	TYPE	CAPACITY (GPM)	HEAD (FT)	MOTOR (W)	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL HERTZ	BASIS OF DESIGN	REMARKS
RP-1	A	1	2.6	28	120	1	60	BELL AND GOSSET / E3	

BALANCING VALVE SCHEDULE

DESIGNATION	SIZE	GPM
BV-1	1/2"	0.25
BV-2	1/2"	0.25
BV-3	1/2"	0.25
BV-4	1/2"	0.25

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — 1/9/25 — No. 36136 — RAQUEL DESCHLER

SEALS

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RMF PROJECT NO: 321261.B0

REVISIONS		

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PLUMBING SCHEDULES

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	NONE

P501

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ELECTRICAL SYMBOLS

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION	MH (UON)
$	SINGLE POLE TOGGLE SWITCH	48" TOD
$a	SWITCH: SUB-LETTER INDICATES FIXTURES CONTROLLED (a)	48" TOD
$2	DOUBLE POLE TOGGLE SWITCH	48" TOD
$3	THREE-WAY TOGGLE SWITCH (SPDT)	48" TOD
$4	FOUR-WAY TOGGLE SWITCH (DPDT)	48" TOD
$K	KEY OPERATED SWITCH	48" TOD
$3D a	THREE WAY DIMMER SWITCH: SUBLETTER INDICATES FIXTURES CONTROLLED (a)	48" TOD
$M	MANUAL STARTER W/ OVERLOADS	48" TOD
$P	SWITCH W/ PILOT LIGHT	48" TOD
$D	DIMMER SWITCH	48" TOD
$4D	4 BUTTON DIMMER SWITCH	48" TOD
$LV	LOW VOLTAGE CONTROL SWITCH	48" TOD
$T	MANUAL TIME SWITCH	48" TOD
$C	MOMENTARY CONTACT SWITCH	48" TOD
$WP	SWITCH WITH WEATHERPROOF ENCLOSURE	48" TOD
$OS	SWITCH WITH OCCUPANCY SENSOR	48" TOD
OS OS	OCCUPANCY SENSOR (CEILING & WALL MOUNTED)	
VS	VACANCY SENSOR	
T	TIME CLOCK	
R	RELAY	
L	LIGHTING CONTACTOR	
P	PHOTOCELL OR PUSHPLATE SWITCH	
UL924	EMERGENCY SHUNT RELAY, UL 924 LISTED (CEILING MOUNTED)	
	LIGHTING FIXTURE: RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED	
	LIGHTING FIXTURE: 2 BALLAST	
	LIGHTING FIXTURE: INDUSTRIAL	
	LIGHTING FIXTURE: WALL MOUNTED - TYPE AS SPECIFIED	
O	LIGHTING FIXTURE: RECESSED, SURFACE, OR PENDANT MOUNTED	
	LIGHTING FIXTURE: WALL MOUNTED - TYPE AS SPECIFIED	
	WALL WASHER	
	ADJUSTABLE WALL WASHER	
	LIGHTING FIXTURE ON EMERGENCY OR NIGHT LIGHT CIRCUIT (NL)	
	EMERGENCY BATTERY PACK: W/ NUMBER OF HEADS INDICATED	
	EMERGENCY BATTERY PACK: W/ REMOTE HEADS	
	REMOTE EMERGENCY HEAD	
	EMERGENCY BATTERY PACK: SEMI RECESSED, CEILING MOUNT	
	EXIT SIGN: CEILING OR PENDANT MOUNTED (SHADED PORTION INDICATES FACE)	
	EXIT SIGN: WALL MOUNTED - END, BACK	
	EXIT SIGN: W/ DIRECTIONAL ARROWS	
	POLE MOUNTED LIGHTING FIXTURE: SINGLE HEAD, DOUBLE HEAD	
	POLE MOUNTED LIGHTING FIXTURE: SINGLE, POLE TOP	
	LIGHTING POLE (SPORTS)	

SPECIAL SYSTEMS SYMBOLS

SYMBOL	DESCRIPTION	MH (UON)
FH	FIRE ALARM HORN TYPE SPEAKER	NOTE 5
FH	FIRE ALARM FLASHING STROBE LIGHT - WALL MOUNTED	NOTE 5
FH	FIRE ALARM HORN	NOTE 5
FH	COMBINATION FIRE ALARM HORN AND FLASHING STROBE LIGHT	NOTE 5
S F	S - CEILING SPEAKER, F - FIRE ALARM SPEAKER	
S	FIRE ALARM SPEAKER W/ STROBE	
HS	HORN TYPE SPEAKER	
H	MAGNETIC DOOR HOLDER	
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER	
FAAP	FIRE ALARM ANNUNCIATOR PANEL	
FACP	FIRE ALARM CONTROL PANEL	
RAM	RESCUE ASSISTANCE MASTER CONTROL PANEL	48" TOD
RAR	RESCUE ASSISTANCE REMOTE STATION	48" TOD
TP	FIRE ALARM TRANSPONDER	
DS ES	DOOR SOLENOID, ELECTRIC STRIKE - LOCKING DEVICE CONNECTION POINT	
F	FIRE ALARM PULL STATION	48" TOD
H E	HEAT DETECTOR: E = ELEVATOR CONTROLS	
S AB E	SMOKE DETECTOR (PHOTOELECTRIC): AB = AUDIBLE BASE, E = ELEVATOR CONTROLS	
S	SMOKE DETECTOR (IONIZATION)	
D	FIRE ALARM DUCT DETECTOR WITH RELAY	
C	CARBON MONOXIDE DETECTOR	
ARC	FIRE ALARM SYSTEM ADDRESSABLE RELAY - CONTROL	
ARM	FIRE ALARM SYSTEM ADDRESSABLE RELAY - MONITOR	
RAL	FIRE ALARM SYSTEM REMOTE ALARM LIGHT	
FS	FLOW SWITCH CONNECTION	
TS	TAMPER SWITCH CONNECTION	
F	FIRE FIGHTER'S TELEPHONE JACK	48" TOD
M	MONITOR SYSTEM JUNCTION BOX	36" CTR
A	AMPLIFIER	
K	KEYPAD	48" TOD
CR	CARD READER	48" TOD
DA	DOOR ALARM CONTACT	
	ROUGH-IN JUNCTION BOX FOR CCTV CAMERA	
P	PUSH BUTTON PLATE	
CD	A/V CREDENZA LOCATION	
IP	A/V INPUT PLATE	
R	A/V IN-WALL RACK	
MT	A/V MONITOR TV	
SC	A/V SCREEN CONTROL	
SP	A/V SCHEDULING PANEL	
ST	A/V SIGNAGE TV	
TP	A/V TOUCH PANEL	
	DATA/TELEPHONE OUTLET, CEILING MOUNTED	
	TELEPHONE OUTLET	18" CTR
	DATA OUTLET	18" CTR
W	TELEPHONE OUTLET, WALL MOUNTED	54" CTR
E	TELEPHONE OUTLET, EMERGENCY	54" TOD
	DATA/TELEPHONE OUTLET: UNSHADED AREA = DATA, SHADED AREA = VOICE NUMERALS INDICATE QUANTITY OF WIRED JACKS	18" CTR
	TELEPHONE OUTLET, FLOOR MOUNTED	
	DATA OUTLET, FLOOR MOUNTED	
	DATA/TELEPHONE OUTLET, FLOOR MOUNTED: UNSHADED AREA = DATA, SHADED AREA = VOICE NUMERALS INDICATE QUANTITY OF WIRED JACKS	
	COMBINATION POWER & TELEPHONE OUTLET, FLOOR MOUNTED	
	COMBINATION POWER & DATA OUTLET, FLOOR MOUNTED: DOUBLE DUPLEX RECEPTACLE. BOD: LEGRAND RFBA4R200G SERIES FLOORBOX OR EQUAL. PROVIDE 1 1/2" CONDUIT FROM FLOOR BOX TO ACCESSIBLE CEILING.	
WAP	WIRELESS ACCESS POINT	

POWER SYMBOLS

SYMBOL	DESCRIPTION	MH (UON)
$	COMBINATION SWITCH AND SIMPLEX RECEPTACLE	48" TOD
$	COMBINATION SWITCH AND DUPLEX RECEPTACLE	48" TOD
	SIMPLEX RECEPTACLE	18" CTR
E	DUPLEX RECEPTACLE: "E" (IF SHOWN) INDICATES CONNECTED TO EMERGENCY CIRCUIT	18" CTR
	DUPLEX RECEPTACLE: FLOOR MOUNTED	
	DUPLEX RECEPTACLE: SPLIT WIRED, BOTTOM HALF SWITCHED	18" CTR
	DUPLEX RECEPTACLE: CEILING MOUNTED	
	DUPLEX RECEPTACLE: PEDESTAL TYPE	
	DUPLEX RECEPTACLE: MOUNTED 6" ABOVE BACKSPLASH OR COUNTER	
GFI	DUPLEX RECEPTACLE: GROUND FAULT INTERRUPTER TYPE	18" CTR
GFI	DUPLEX RECEPTACLE: GFI MOUNTED 6" ABOVE BACKSPLASH OR COUNTER	
H	DUPLEX RECEPTACLE: MOUNTED HIGH	84" CTR
IG	DUPLEX RECEPTACLE: ISOLATED GROUND	18" CTR
	DUPLEX RECEPTACLE: AT 54" A.F.F.	54" CTR
	DOUBLE DUPLEX RECEPTACLE	18" CTR
IG	DOUBLE DUPLEX RECEPTACLE ISOLATED GROUND	18" CTR
C	SIMPLEX RECEPTACLE: CART RECHARGE	36" CTR
C	DUPLEX RECEPTACLE: CART RECHARGE	36" CTR
P	DUPLEX RECEPTACLE: PAY PHONE	54" CTR
A	SPECIAL RECEPTACLE: NEMA 6-20R (20A, 2P, 3W, 208V)	18" CTR
B	SPECIAL RECEPTACLE: NEMA 6-30R (30A, 2P, 3W, 208V)	18" CTR
C	SPECIAL RECEPTACLE: NEMA 14-20R (20A, 3P, 4W, 208/120V)	18" CTR
D	SPECIAL RECEPTACLE: NEMA 15-30R (30A, 3P, 4W, 208V)	18" CTR
A	SPECIAL RECEPTACLE: FLOOR MOUNTED, NEMA 6-20R	
A	SPECIAL RECEPTACLE: PEDESTAL TYPE, NEMA 6-20R	
	TELEVISION RECEPTACLE	72" CTR
H	TELEVISION RECEPTACLE	18" BFC
	CLOCK HANGER OUTLET	84" CTR
2	PROGRAM CLOCK OUTLET: SINGLE FACE, DOUBLE FACE	84" CTR
EPO	EMERGENCY POWER OFF SWITCH	48" TOD
	JUNCTION BOX	
	JUNCTION BOX - WALL MOUNTED	48" TOD
	EQUIPMENT CONNECTION AS NOTED	
	EQUIPMENT CONNECTION AS NOTED - WALL MOUNTED	48" TOD
3	HEATER CONNECTION - NUMBER INDICATES KILOWATTS (3KW)	
	HEATER FAN - CEILING MOUNTED	
CB	ENCLOSED CIRCUIT BREAKER	
	NON-FUSED DISCONNECT SWITCH: 30A, 3P (UON)	
(40A)	FUSED DISCONNECT SWITCH: FUSE SIZE AS INDICATED (40A)	
MS	MAGNETIC MOTOR STARTER	
FVNR	COMBINATION MAGNETIC MOTOR STARTER: ABBREVIATION INDICATES TYPE - FVNR, FVR, RVAT, 2S1W, 2S2W, SST	
VFC	VARIABLE FREQUENCY CONTROLLER W/ FUSED DISCONNECT SWITCH	
VFD	VARIABLE FREQUENCY DRIVE W/ DISCONNECT SWITCH	
HP	MOTOR: NUMERALS (IF SHOWN) INDICATE HP	
KW	GENERATOR: NUMERALS (IF SHOWN) INDICATE KW	
M	MANUAL MOTOR STARTER W/ THERMAL OVERLOADS	
M	MOTOR SWITCH	
	MECHANICAL EQUIPMENT CONNECTION - WITH MOTOR	
S	MECHANICAL EQUIPMENT CONNECTION - NO MOTOR	
CP	CONTROL PANEL: TYPE AS INDICATED	
PB	MOMENTARY CONTACT START-STOP PUSHBUTTON STATION	48" TOD
PBM	MAINTAINED CONTACT START-STOP PUSHBUTTON STATION	48" TOD
ES	MAINTAINED CONTACT EMERGENCY STOP PUSHBUTTON STATION	48" TOD
	BRANCH PANELBOARD	90" TOC
	DISTRIBUTION PANELBOARD	
T	TRANSFORMER, CONCRETE PAD MOUNTED	

SYMBOL	DESCRIPTION
	RACEWAY "UP" OR "TOWARDS"
	RACEWAY "DOWN" OR "AWAY"
	CIRCUIT CONCEALED IN WALLS OR CEILING SPACE: CONDUCTORS SHALL BE MINIMUM 2#12 AWG AND 1#12 AWG GROUND IN 3/4" CONDUIT (UON)
	RACEWAY CONCEALED IN SLAB OR BELOW GRADE
	BRANCH CIRCUIT HOMERUN TO PANELBOARD: QUANTITY OF CIRCUITS INDICATED BY ARROWS NUMBER OF CONDUCTORS SHALL BE MINIMUM 4#12 AWG AND 1#12 AWG GROUND IN 3/4" CONDUIT (UON)
	RACEWAY RUN EXPOSED: CONDUCTORS SHALL BE MINIMUM 2#12 AWG AND 1#12 AWG GROUND IN 3/4" CONDUIT (UON)
	BUS DUCT OR CABLE TRAY "UP" OR "TOWARDS"
	BUS DUCT OR CABLE TRAY "DOWN" OR "AWAY"
	BUS DUCT: TYPE AND SIZE AS INDICATED
	TELEPHONE AND POWER POLE ASSEMBLY
	CONCRETE ENCASED DUCTBANK BELOW GRADE
W	SURFACE MOUNTED RACEWAY ASSEMBLY WITH REMOVABLE COVER
	MULTI-OUTLET ASSEMBLY: DARK SQUARES INDICATE PREWIRED RECEPTACLE LOCATIONS SIZE: AS INDICATED
	MULTI-OUTLET ASSEMBLY: WITH RECEPTACLES LOCATED WHERE INDICATED
	2 CELL MULTI-OUTLET ASSEMBLY: WITH COMMUNICATION DEVICES AND RECEPTACLES LOCATED WHERE INDICATED
	MULTI-OUTLET ASSEMBLY: WITH COMMUNICATION DEVICES LOCATED WHERE INDICATED
	FLEXIBLE CONDUIT
	CABLE TRAY
	GROUND ROD
	LIGHTNING PROTECTION AIR TERMINAL
G G	GROUND WIRE CONNECTION
G G G	GROUND WIRE
	LIGHTNING PROTECTION DOWN LEAD
	UTILITY POLE

CIRCUIT DESIGNATIONS

LIGHTING — A # a
- A: FIXTURE TYPE
- #: CIRCUIT DESIGNATION (#12AWG MINIMUM)
- a: SWITCH DESIGNATION

POWER — #
- #: CIRCUIT DESIGNATION (#12AWG MINIMUM)

ELECTRICAL SYMBOLS NOTES

1. THIS IS A STANDARD SYMBOL LIST. SOME SYMBOLS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.
2. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
3. PLAN AND SECTION SYMBOLS MAY ALSO BE USED ON RISER DIAGRAMS.
4. ON SINGLE LINE DIAGRAMS FOR 3 PHASE SYSTEMS, DEVICE QUANTITY = 3, UNLESS OTHERWISE NOTED.
5. DEVICE SHALL BE MOUNTED A MINIMUM OF 90" AFF TO BOTTOM OF DEVICE OR BELOW THE FINISHED CEILING OF NOT LESS THAN 6" TO TOP OF DEVICE, WHICHEVER IS LOWER.
6. UNLESS OTHERWISE NOTED, ALL INTERIOR CONDUITS AND BOXES SHALL BE CONCEALED.

ELECTRICAL ABBREVIATIONS

NOTE: THIS IS A STANDARD ABBREVIATION LIST. SOME ABBREVIATIONS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.

2S1W	2 SPEED SINGLE WINDING
2S2W	2 SPEED DOUBLE WINDING
A, AMP	AMPERE
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINAL GRADE
AHU	AIR HANDLING UNIT
AIC	AMPS INTERRUPTING CAPACITY
ALT	ALTERNATE
ANN	ANNUNCIATOR
APPROX	APPROXIMATELY
ARCH	ARCHITECT
ATC	AUTOMATIC TEMPERATURE CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIOVISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BLDG	BUILDING
BOD	BOTTOM OF DEVICE
C, CND	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT, CCT	CIRCUIT
CL	CURRENT LIMITING
CLG	CEILING
CONN	CONNECT
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CTR	CENTER
CU, CO	COPPER
CX	CONNECT TO EXISTING
DC	DIRECT CURRENT
DISC	DISCONNECT
DN	DOWN
DP	DISTRIBUTION PANEL
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DT	DOUBLE THROW
DWG	DRAWING
E, EMERG	EMERGENCY
EA	EACH
EC	EMPTY CONDUIT
EF	EXHAUST FAN
EH	ELECTRIC HEATER
ELEC	ELECTRIC
ELEV	ELEVATION, ELEVATOR
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXP	EXPOSED
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FC	FAN COIL
FDR	FEEDER
FLA	FULL LOAD AMPERES
FLR	FLOOR
FR	FRAME
FU	FUSED, FUSIBLE
FUSS	FUSED SAFETY SWITCH
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
GEN	GENERATOR, GENERAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTED
GFR	GROUND FAULT RELAY
GRD	GROUND
GRS	GALVANIZED RIGID STEEL
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HEAT PUMP, HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HZ	HERTZ
IG	ISOLATED GROUND
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KVAR	KILOVOLT AMPERES REACTIVE
KW	KILOWATTS
KWH	KILOWATT HOUR
LA	LIGHTNING ARRESTOR
LC	LIGHTING CONTACTOR
LP	LIGHTING PANEL
LRA	LOCKED ROTOR AMPERES
LTG	LIGHTING
LTNG	LIGHTNING
MATV	MASTER ANTENNA TELEVISION
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MEH	METAL HALIDE
MH	MANHOLE, MOUNTING HEIGHT
MLO	MAIN LUGS ONLY
MSP	MOTOR STARTER PANEL
MTD	MOUNTED
MV	MERCURY VAPOR
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NFSS	NON-FUSED SAFETY SWITCH
NO	NUMBER, NORMALLY OPEN
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
P	POLE
PB	PUSHBUTTON
PF	POWER FACTOR
PFCC	POWER FACTOR CORRECTION CAPACITOR
PL	PILOT LIGHT
PLC	PROGRAMMABLE LIGHTING CONTROL
PNL	PANEL
PP	POWER PANEL
Pp	PUMP
PR	PAIR
PRN	PRINTER
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
Ø, PH	PHASE
QTY	QUANTITY
RCS	REMOTE CONTROL SWITCH
REC, RECPT	RECEPTACLE
REQ'D	REQUIRED
RFI	RADIO FREQUENCY INTERFERENCE
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPERES
RM	ROOM
RVAT	REDUCED VOLTAGE AUTO TRANSFORMER
RX	REMOVE EXISTING
SC	SURGE CAPACITOR
SEC	SECONDARY
SN, S/N	SOLID NEUTRAL
SP	SURGE PROTECTION
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SS	SAFETY SWITCH
SST	SOLID STATE
ST	SINGLE THROW
SW	SWITCH
SWBD	SWITCHBOARD
TBR	TO BE REMOVED
TC	TIME CLOCK
TEL, TELE	TELEPHONE
TH	TUNGSTEN HALOGEN
TOC	TOP OF CABINET
TOD	TOP OF DEVICE
TRANS, XFMR	TRANSFORMER
TTB	TELEPHONE TERMINAL BOARD
TW	TWISTED
TYP	TYPICAL
UCB	UNIT CIRCUIT BREAKER
UG	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
V	VOLTS
VFC	VARIABLE FREQUENCY CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS, WIRE
W/	WITH
WP	WEATHER-PROOF
XP	EXPLOSION PROOF

EQUIPMENT DESIGNATIONS

SYMBOL	DESCRIPTION
SWGR	SWITCHGEAR
SWBD	SWITCHBOARD
PNL	PANELBOARD
MCC	MOTOR CONTROL CENTER
XFMR	TRANSFORMER

ELECTRICAL DRAWING PRESENTATION

SYMBOL	DESCRIPTION
#	REVISION NUMBER
1	DRAWING NOTE NUMBER
XX / XX	SECTION/ELEVATION IDENTIFICATION
XX / XX	PART PLAN AND DETAIL IDENTIFICATION
	EXISTING LINE TYPE
	NEW ELECTRICAL WORK LINE TYPE
	FUTURE ELECTRICAL WORK LINE TYPE
	DEMOLITION LINE TYPE ON DEMOLITION DRAWINGS

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — No. 25022 — BENJAMIN M. SCRATCH — 01/09/2025

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

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TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

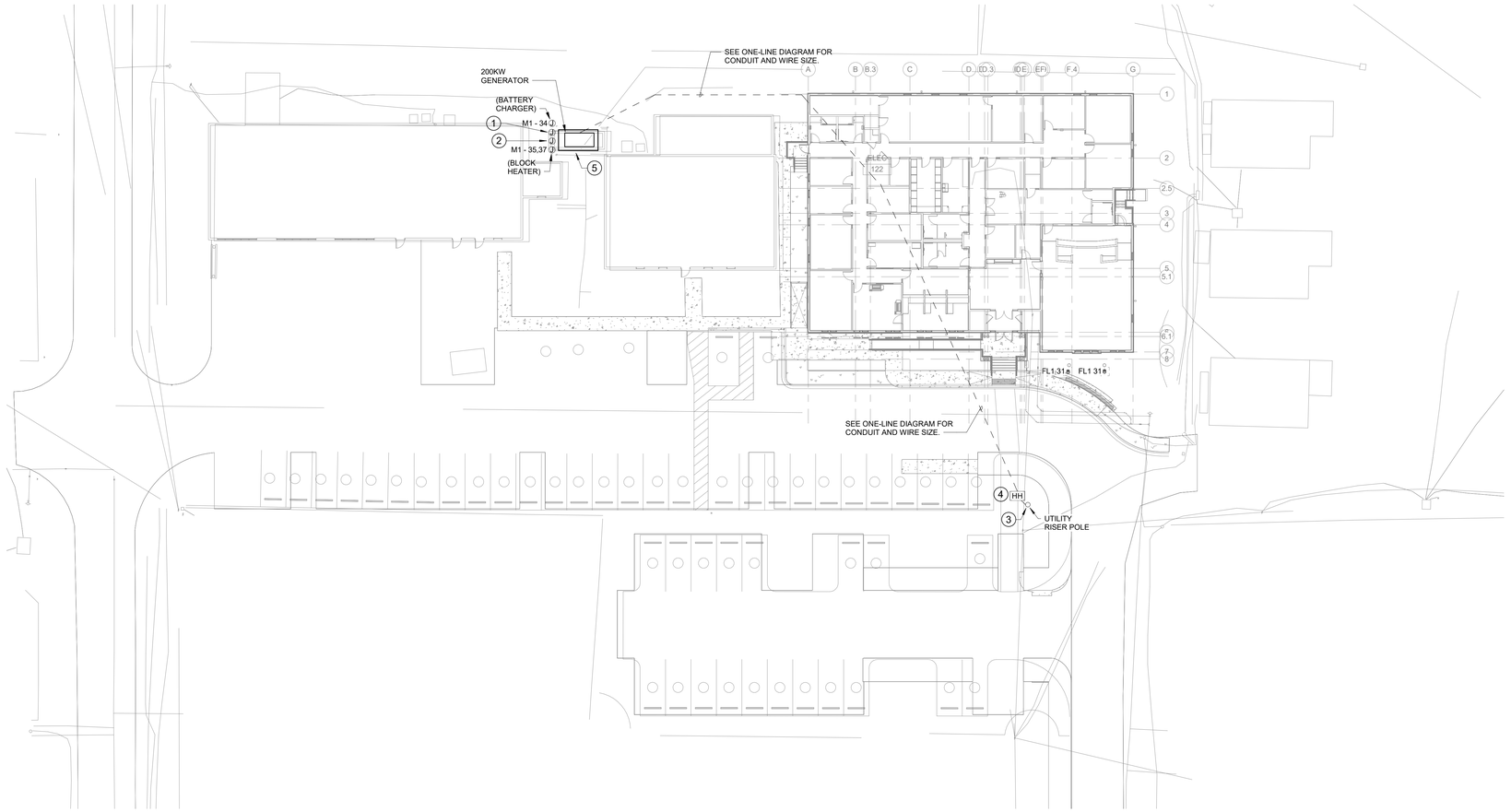
ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	As indicated

E001

1/9/2025 11:07:13 AM



1 **ELECTRICAL SITE PLAN**
SCALE: 1" = 20'-0"

GRAPHIC SCALE
20 10 0 20 40
SCALE: 1" = 20'-0"
UNIT OF measure: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 25022
DENNIS M. SERAFICH
01/09/2025

SEALS

GENERAL NOTES

1. COORDINATE ALL UNDERGROUND CONDUITS WITH ALL OTHER TRADES. CONDUITS WILL BE REQUIRED TO GO UNDER OTHER UNDERGROUND UTILITIES. REFER TO CIVIL SITE PLANS FOR DETAILS.

(#) DRAWING NOTES

1 PROVIDE 4#10 IN 1" CONDUIT TO ATS FOR GENERATOR START.

2 PROVIDE 1" CONDUIT AND CABLING TO GENERATOR REMOTE ANNUCIATOR. SEE DRAWING E301 FOR LOCATION.

3 STUB UP CONDUIT AT UTILITY RISER POLE. USE RIGID GALVANIZED STEEL LONG RADIUS SWEEP AND PROVIDE A 10 FOOT LENGTH OF CONDUIT UP THE SIDE OF THE POLE. TRANSISTION TO SCH 40 PVC BELOW GRADE.

4 PROVIDE HANDHOLE AT BASE OF UTILITY RISER POLE. COORDINATE LOCATION AND SIZE WITH DOMINION ENERGY PRIOR TO INSTALLATION.

5 MODIFY EXISTING EQUIPMENT PAD TO THE DIMENSIONS OF EQUIPMENT PURCHASED PRIOR TO INSTALLATION.

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ELECTRICAL SITE PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	1" = 20'-0"

E002

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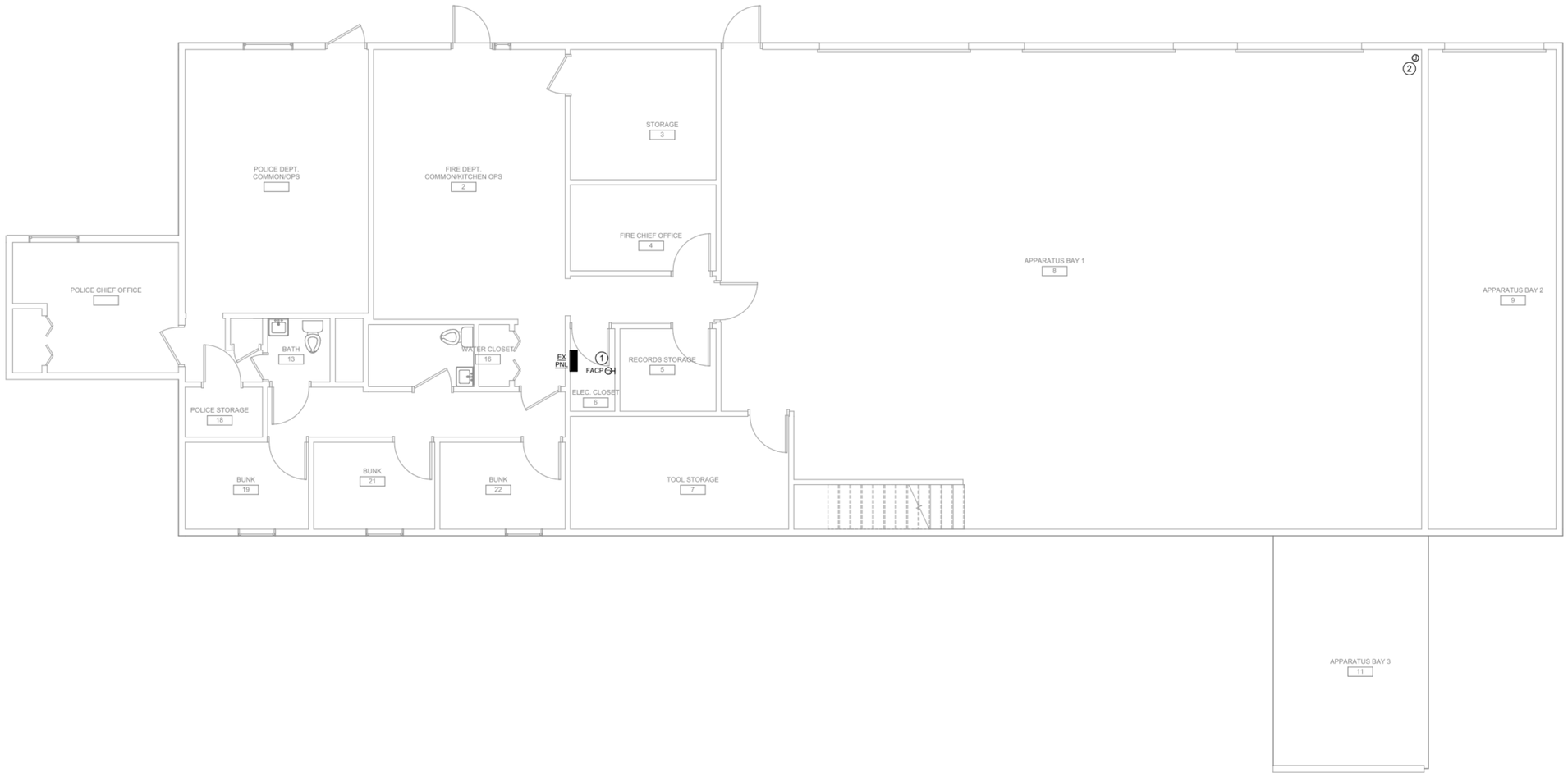

1 / E100 **ELECTRICAL FIRE STATION LEVEL 1**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

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No. 25022
DENNIS M. SERAFICH
01/09/2025

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DRAWING NOTES

1 120V CONNECTION FOR FIRE ALARM CONTROL PANEL. PROVIDE 120V, 1-PHASE, 20A BREAKER IN NEXT AVAILABLE SPACE IN 120V PANEL. PROVIDE 2 #12AWG + 1#12FRD IN 3/4" CONDUIT IFROM PANEL TO FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION OF PANEL WITH OWNER PRIOR TO INSTALLATION.

2 120V CONNECTION FOR AIR COMPRESSOR. PROVIDE 120V, 1-PHASE, 20A BREAKER IN NEXT AVAILABLE SPACE IN 120V PANEL. PROVIDE 2# 10AWG + 1#10GRD IN 3/4" CONDUIT FROM PANEL TO AIR COMPRESSOR CONNECTION WITH FIRE PROTECTION CONTRACTOR PRIOR TO INSTALLATION.

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RMF PROJECT NO: 321261.B0

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FIRE STATION LEVEL 1 - ELECTRICAL POWER PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E100

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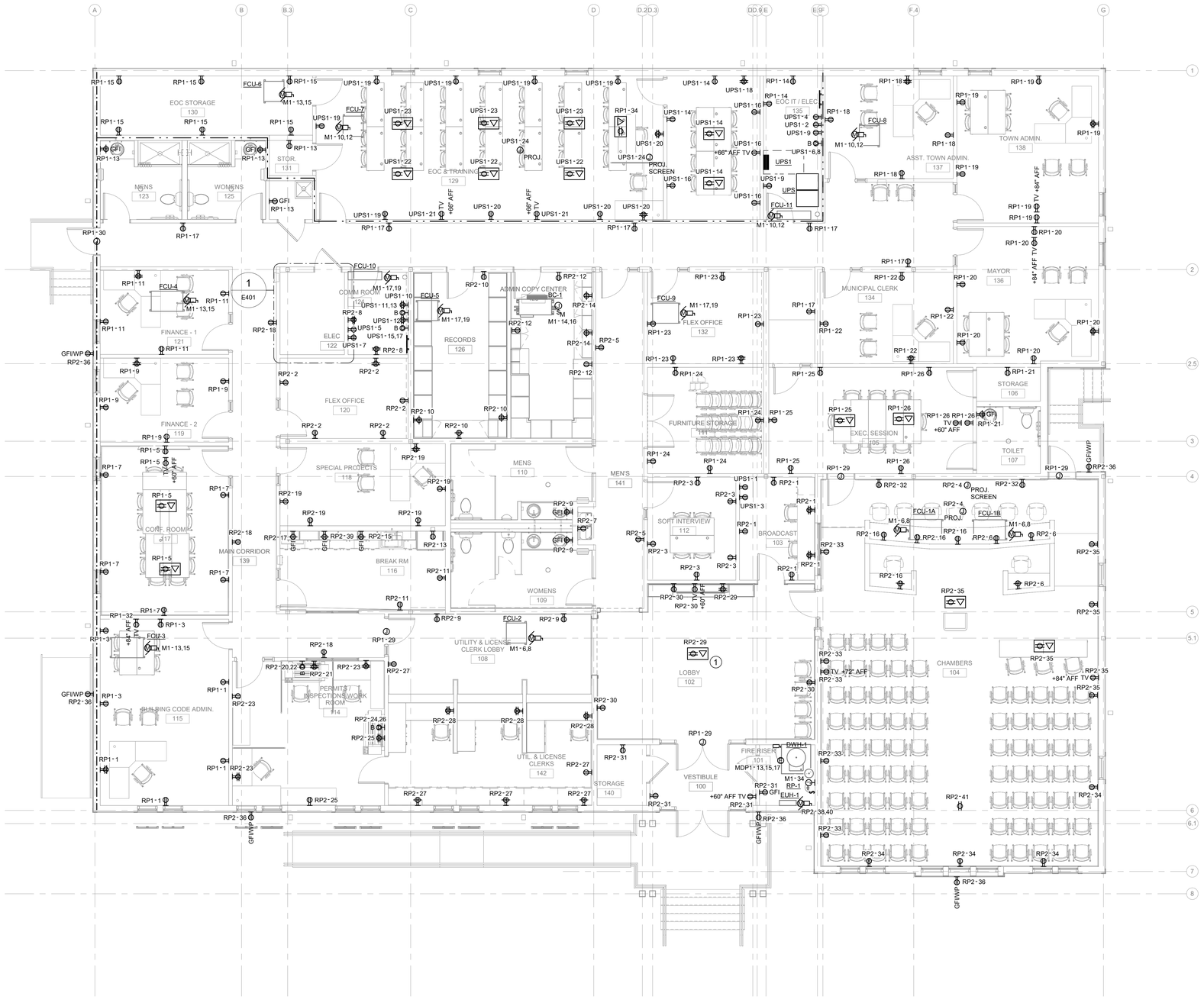

1ST FLOOR POWER PLAN

SCALE: 3/16" = 1'-0"

GRAPHIC SCALE

6 3 0 6 12

SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA — No. 25022 — LICENSED PROFESSIONAL ENGINEER — DENNIS M. SEMATICH

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DRAWING NOTES

1 COORDINATE EXACT LOCATION OF FLOOR BOX WITH OWNER PRIOR TO INSTALLATION.

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SHEET NAME: 1ST FLOOR POWER PLAN

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E101

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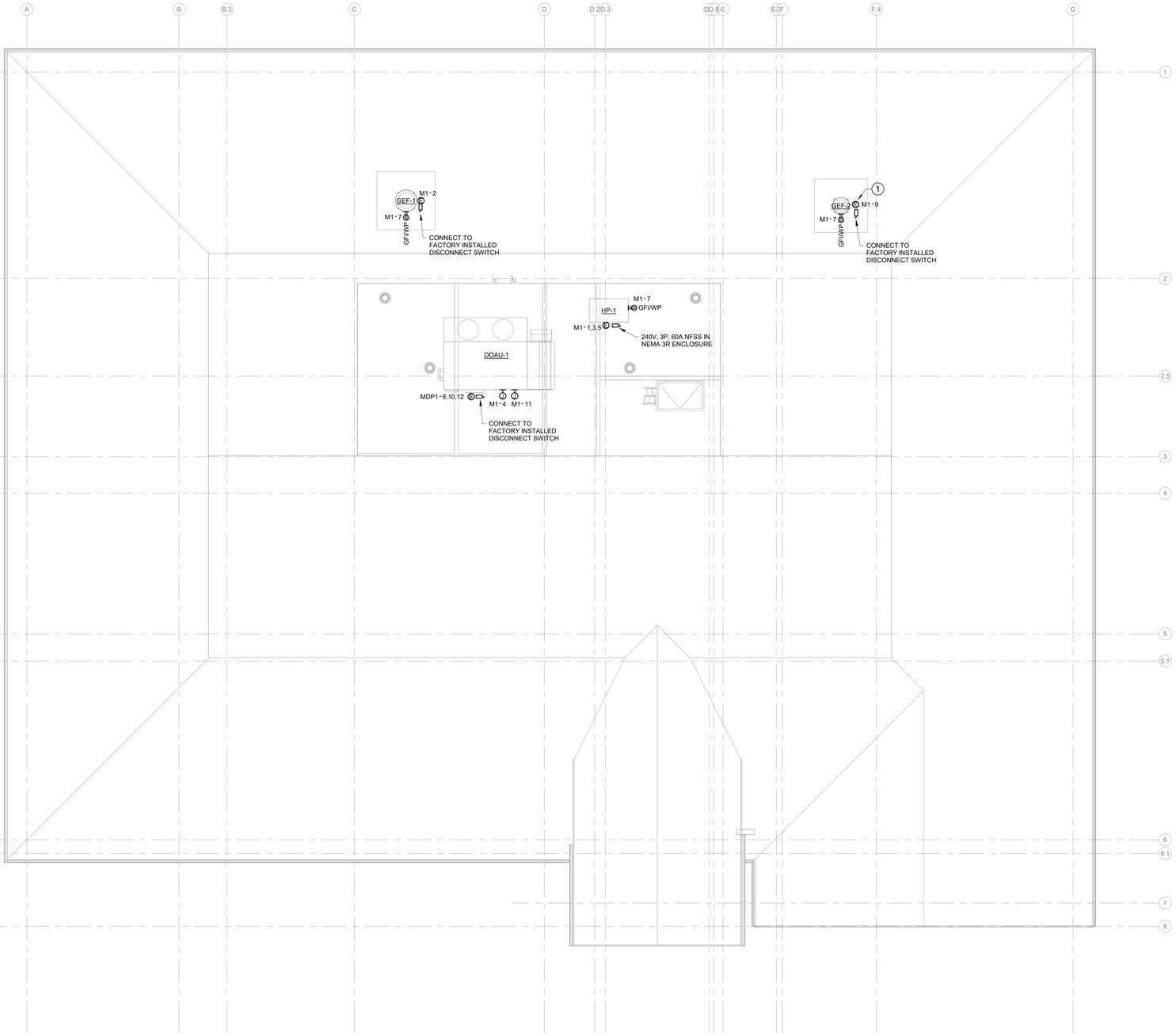

1 **ROOF POWER PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
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REGISTERED ENGINEERS

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 25022
DENNIS M. SERAFICH
01/09/2025

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GENERAL NOTES

1. PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM INCLUDING BUT NOT LIMITED TO CONDUCTORS, AIR TERMINALS, DOWNLEADS, ETC. IN ACCORDANCE WITH NFPA 780 AND UL 96 LIGHTNING PROTECTION STANDARDS. REFER TO SPECIFICATIONS. ROUTE ALL CONDUCTORS BETWEEN AIR TERMINALS CONCEALED UNDER ROOF. NO CONDUCTORS SHALL BE EXPOSED ON ROOF. CONCEAL ALL DOWNLEADS IN STRUCTURE.

(#) DRAWING NOTES

1 PROVIDE INTERPOSING RELAY TO CONTROL EXHAUST FAN FROM 120VOLT LIGHTING CIRCUIT. WIRE RELAY COIL TO LIGHTING CIRCUIT SUCH THAT FAN ENERGIZES WHEN LIGHTS ARE TURNED ON. WIRE FAN THROUGH RELAY CONTACTS.

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ROOF ELECTRICAL POWER PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E102

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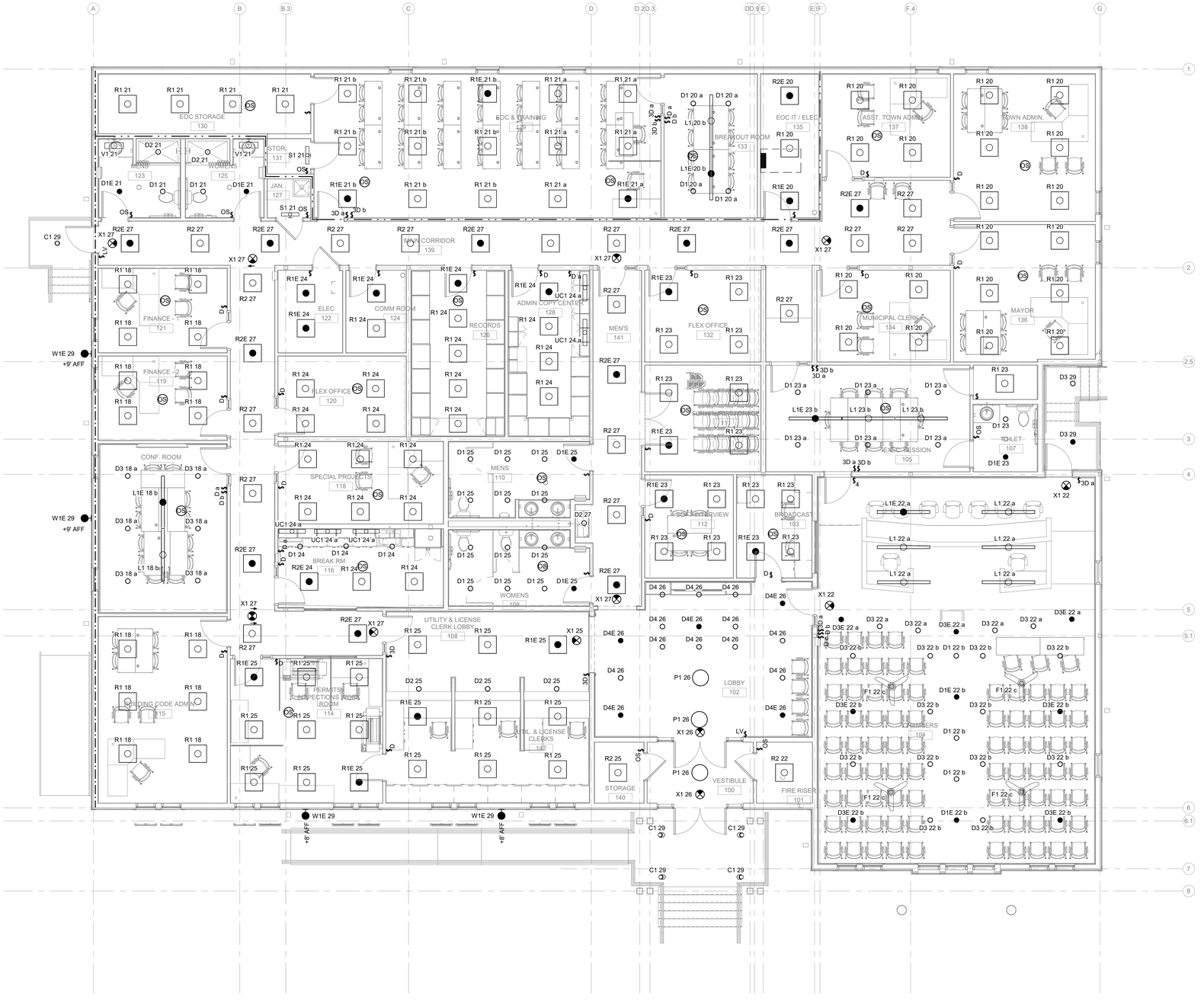

1 **1ST FLOOR LIGHTING PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
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No. 25022
DENNIS M. SERAFICH
01/09/2025

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RMF PROJECT NO: 321261.B0

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1ST FLOOR ELECTRICAL LIGHTING PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E201

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1 E300 **ELECTRICAL FIRE STATION LEVEL 1 - SPECIAL SYSTEMS PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

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01/09/2025

SEALS

GENERAL NOTES

1. AUDIBLE BASE SMOKE DETECTORS IN SLEEPING AREAS SHALL PROVIDE LOW FREQUENCY ALARM SIGNAL TO COOMPLY WITH NFPA 72 18.4.5.3

DRAWING NOTES

1 24V SPRINKLER ELECTRIC BELL. COORDINATE EXACT LOCATIONWITH FIRE PROTECTION CONTRACTOR PRIO TO ROUGH-IN. WIRE THROUGH WATER FLOW SWITCH TO FACP.

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FIRE STATION LEVEL 1 - SPECIAL SYSTEMS PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E300

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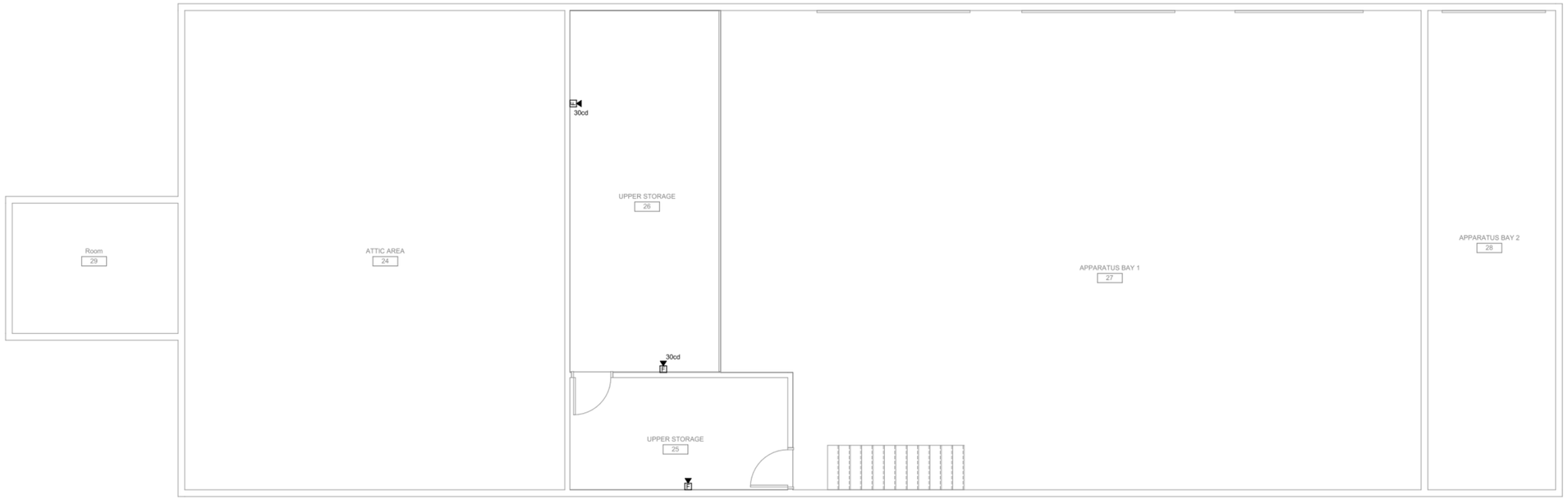

1 / E301 **ELECTRICAL FIRE STATION LEVEL 2 - SPECIAL SYSTEMS PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC. CHARLESTON, SC C-00831
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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 25022
DENNIS M. SERAFICH
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SEALS

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RMF PROJECT NO: 321261.B0

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TOWN OF EDISTO BEACH TOWN HALL

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FIRE STATION LEVEL 2 - SPECIAL SYSTEMS PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E301

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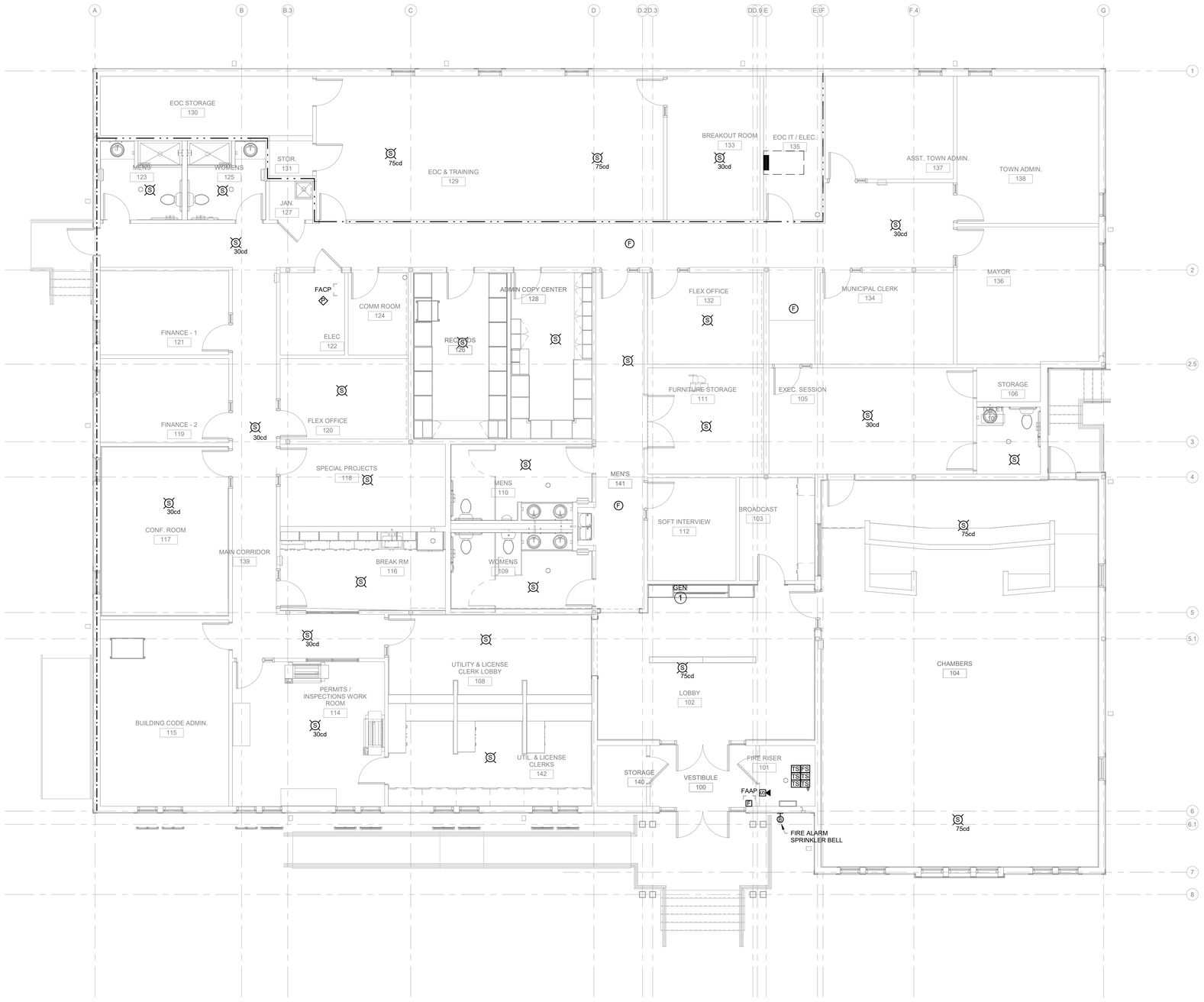

1 **1ST FLOOR SPECIAL SYSTEMS PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
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SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 25022
DENNIS M. SERAFICH
01/09/2025

SEALS

GENERAL NOTES

1. REFER TO TECHNOLOGY DRAWING T-SERIES SHEETS FOR LOW VOLTAGE SYSTEMS SCOPE OF WORK. ALL BACKBOXES, JUNCTION BOXES, FLOOR BOXES, AND CONDUIT SHALL BE PROVIDED BY DIVISION 26.

(#) DRAWING NOTES

1 GENERATOR REMOTE ANNUNCIATOR. PROVIDE A 1" CONDUIT FROM ANNUNICATOR LOCATION TO THE GENERATOR. COORDINATE WIRING REQUIRMENTS WITH GENERATOR VENDOR.

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TOWN OF EDISTO BEACH TOWN HALL

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1ST FLOOR ELECTRICAL SPECIAL SYSTEMS PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E302

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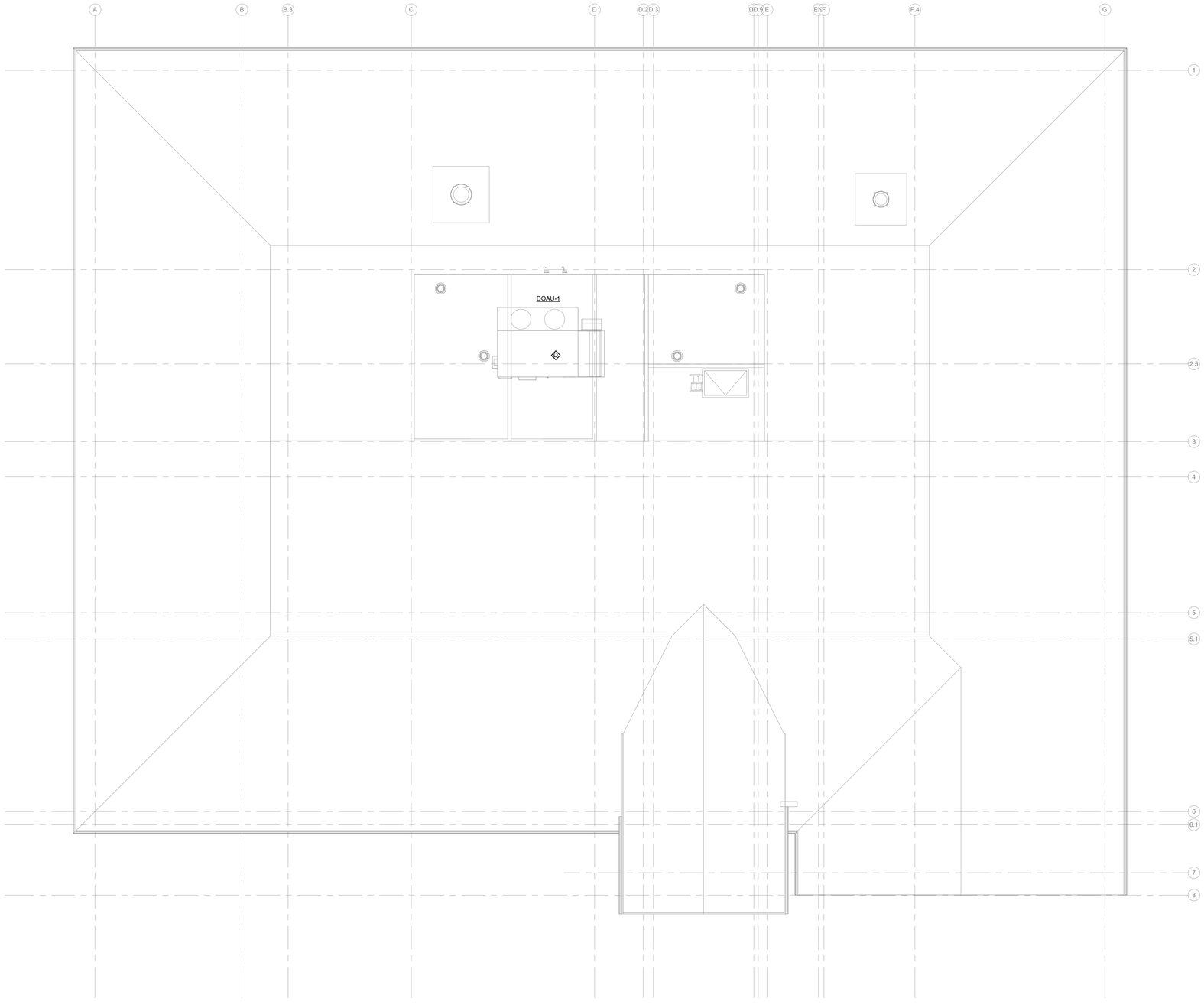

1 **ROOF SPECIAL SYSTEMS PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
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REGISTERED ENGINEERS

SOUTH CAROLINA
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DENNIS M. SERATICH
01/09/2025

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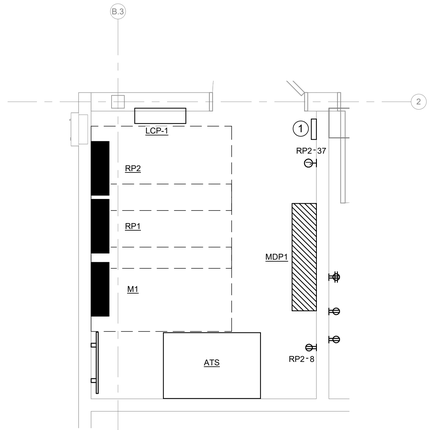
ROOF ELECTRICAL SPECIAL SYSTEMS PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	3/16" = 1'-0"

E303

1/9/2025 11:07:45 AM



1 / E401 **ELEC RM PART PLAN**
SCALE: 1/2" = 1'-0"

GRAPHIC SCALE
2 1 0 2 4
SCALE: 1/2" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC. CHARLESTON, SC C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 25022
DENNIS M. SERATICH
01/09/2025

SEALS

DRAWING NOTES

1 PROVIDE 1000WATT INVERTER FOR CYLINDER LIGHT FIXTURES "C1". BOD: SURE-LITE INVSM-S SERIES OR EQUAL. PROVIDE (2) 1" CONDUIT FROM INVERTER LOCATION TO FIXTURES.

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

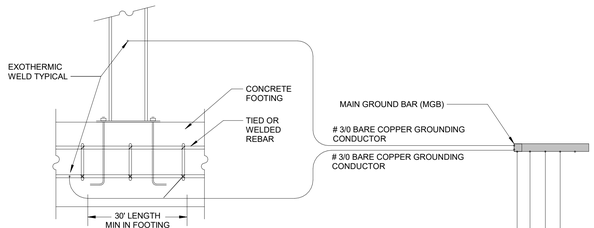
ELECTRICAL DETAILS

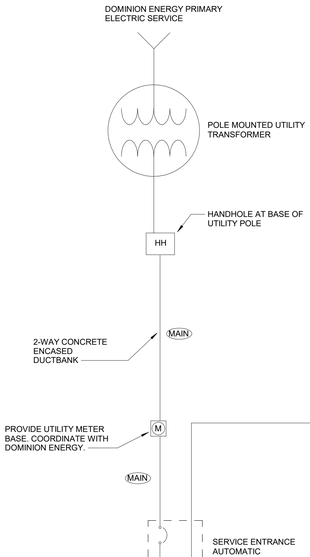
SHEET NAME

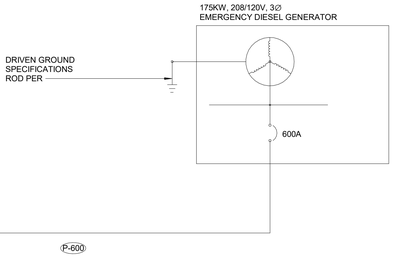
PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	1/2" = 1'-0"

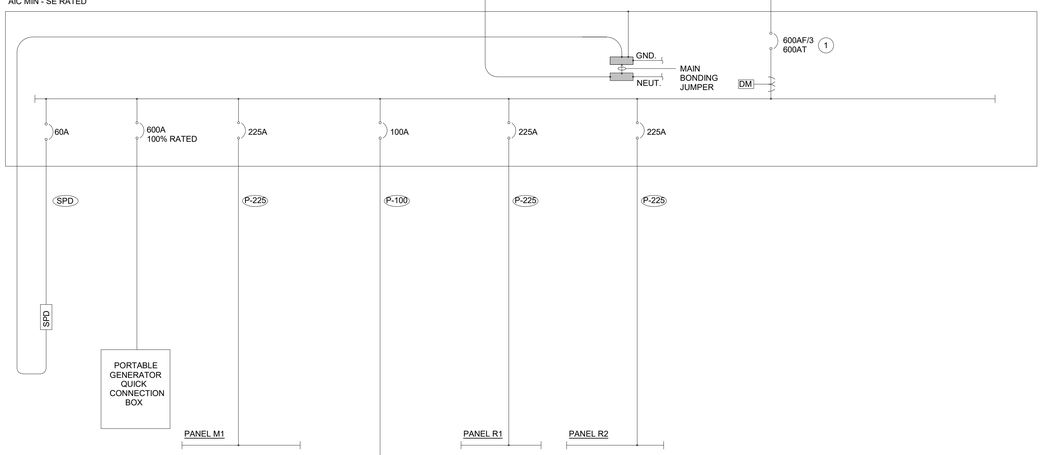
E401

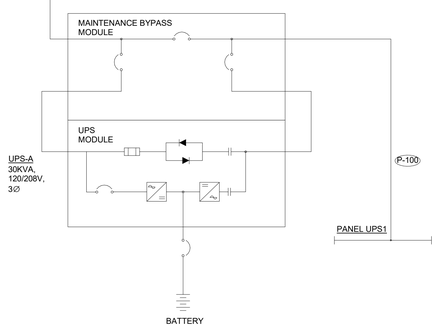
1/9/2025 11:07:45 AM











1 E501 **E - DETAIL - ONE-LINE DIAGRAM**
SCALE: N.T.S.

PROJECT CODE/ELECTRICAL TERMINOLOGY DEFINITIONS:

1. REFERENCES TO NEC (NATIONAL ELECTRICAL CODE) 700 LOADS ON THIS PROJECT ARE TO BE INTERPRETED AS MEANING 'EMERGENCY' LOADS AS DEFINED BY THE IBC (INTERNATIONAL BUILDING CODE) CHAPTER 27. THESE LOADS MAY ALSO BE REFERRED TO AS 'LIFE SAFETY' LOADS ON THIS PROJECT. THEY ARE ONE AND THE SAME.
2. NEC 702 LOADS REFERRED TO ON THIS PROJECT ARE TO BE INTERPRETED AS OPTIONAL LOADS AS DEFINED BY THE NEC ARTICLE 702. THESE LOADS ARE NEITHER 700 OR 701 LOADS.

GENERAL NOTES:

1. ALL LOADS ARE NOT SHOWN ON THE SINGLE LINE DIAGRAM. REFER TO PANEL SCHEDULES FOR REMAINING LOADS.
2. VFD FEEDER AND MOTOR BRANCH CIRCUIT HAVE BEEN SIZED BASED UPON MOTOR HP SHOWN. THE EC SHALL VERIFY THE MAXIMUM OPERATING CURRENT MARKED ON THE VFD AND SIZE THE FEEDER AND BRANCH CIRCUIT CONDUCTOR AMPACITY PER NEC 430.122(A).
3. ALL DIGITAL METERING SHALL BE TYPICAL MODBUS NETWORK SYSTEM. CONNECT TO BUILDING AUTOMATION/MANAGEMENT SYSTEM (DDCP).
4. ALL CURRENT METERING TRANSFORMERS SHALL BE CONNECTED AS SHOWN AND INSTALLED IN 3/4" MINIMUM CONDUIT.

DRAWING NOTES:

1. UL LISTED FOR SERVICE ENTRANCE, SINGLE PHASE PROTECTION BUILT INTO SERVICE ENTRANCE MAIN CIRCUIT BREAKER.

FEEDER SCHEDULE
(600V UNLESS OTHERWISE NOTED)

LEGEND:
P - PANEL
M - MOTOR
TP/TS - XFMR (PRIMARY/SECONDARY)

EXAMPLE:
P-100 - 100A PANEL FEEDER
M-30 - 30HP MOTOR FEEDER
TP-75 - 75KVA TRANSFORMER PRIMARY

LABEL	SETS	SIZE	GROUND	CONDUIT
MAIN	2	4#350	-	3"
TVSS	1	4#6	#10	1 1/4"
P-20	1	4#12	#12	3/4"
P-25 / P-30	1	4#10	#10	1/2"
P-35 / P-40	1	4#8	#10	3/4"
P-45 / P-50	1	4#8	#10	1"
P-60	1	4#6	#10	1 1/4"
P-70 / P-80	1	4#4	#8	1 1/4"
P-90 / P-100	1	4#3	#8	1 1/4"
P-110	1	4#2	#6	1 1/2"
P-125	1	4#1	#6	2"

LABEL	SETS	SIZE	GROUND	CONDUIT
P-150	1	4#1/0	#6	2"
P-200	1	4#3/0	#6	2"
P-225	1	4#4/0	#4	2 1/2"
P-250	1	4#250	#4	2 1/2"
P-300	1	4#350	#4	3"
P-400	1	4#500	#3	3 1/2"
P-600	2	4#350	#1	3"
P-800	2	4#500	#1/0	3 1/2"
P-1200	4	4#350	#3/0	3"
P-1600	5	#400	#4/0	3"
CH	1	4#3	#6	4"
FPE	1	4#2/0	#4	4"
GEN1	1	4#3/0	#6	4"
GEN2	2	4#500	#1/0	4"
FPT	1	4#2/0	-	4"

FEEDER SCHEDULE
(600V UNLESS OTHERWISE NOTED)

LEGEND:
P - PANEL
M - MOTOR
TP/TS - XFMR (PRIMARY/SECONDARY)

EXAMPLE:
P-100 - 100A PANEL FEEDER
M-30 - 30HP MOTOR FEEDER
TP-75 - 75KVA TRANSFORMER PRIMARY

LABEL	SETS	SIZE	GROUND	CONDUIT
M-10	1	3#12	#12	3/4"
M-15	1	3#10	#10	3/4"
M-20	1	3#8	#10	3/4"
M-25 / M-30	1	3#6	#8	3/4"
M-40	1	3#6	#8	1"
M-50	1	3#4	#6	1 1/4"
M-60	1	3#3	#6	1 1/2"
M-75	1	3#1	#6	1 1/2"
M-100	1	3#2/0	#6	1 1/2"
M-125	1	3#3/0	#4	2"
TP-15	1	3#10	#10	3/4"
TP-30	1	3#6	#10	3/4"
TP-45	1	3#3	#8	1 1/4"

LABEL	SETS	SIZE	GROUND	CONDUIT
TP-75	1	3#1/0	#6	1 1/2"
TP-112	1	3#3/0	#6	2"
TP-150	1	3#250	#4	2"
TP-225	1	3#600	#3	4"
TP-300	2	3#250	#2	2 1/2"
TS-15	1	4#8	#8	3/4"
TS-30	1	4#3	#8	1 1/4"
TS-45	1	4#1	#6	1 1/2"
TS-75	1	4#250	#2	2 1/2"
TS-112	1	4#350	#2	3"
TS-150	2	4#350	1	3"
TS-225	2	4#600	#1/0	3 1/2"
TS-300	4	4#600	#2/0	3 1/2"

RMF ENGINEERING, INC.
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RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

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EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS
ARCHITECTS
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

ELECTRICAL ONE-LINE DIAGRAM

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	12" = 1'-0"

E501

1/9/2025 11:07:46 AM

LIGHTING FIXTURE SCHEDULE

	DESCRIPTION	LAMPS TYPE	LAMPS QTY.	LAMPS COLOR TEMP.	VOLTS	WATTS	MOUNTING	MOUNTING SURFACE	REMARKS	BASIS OF DESIGN MANUFACTURER	ALTERNATE MANUFACTURER #1	ALTERNATE MANUFACTURER #2	ALTERNATE MANUFACTURER #3
C1	6" LED SURFACE MOUNTED CYLINDER, 2000 LUMENS	LED	1	3500 K	120	<varies>			PROVIDE REFLECTOR MOUNTED TEST SWITCH EMERGENCY BATTERY	LUMINII # 688-A90-645S-35-20-DL-BODY COLOR-STD-EMG-120	<varies>	<varies>	<varies>
D1	6" LED DOWNLIGHT, 3000 LUMENS	LED	1	3500 K	120	29	CEILING			HALO # HC630D010-HM63040835-61MDH	<varies>	<varies>	<varies>
D1E	SAME AS TYPE D1 WITH EMERGENCY BATTERY	LED	1	3500 K	120	29	CEILING		PROVIDE REFLECTOR MOUNTED TEST SWITCH EMERGENCY BATTERY	HALO # HC630D010IEM14-HM63040835-61MDH	LITON LIGHTING # CH630UE-D10-EM/CR6L36SW-EMA-T35	LITHONIA LIGHTING # LDN6 35/30 LO6 AR LSS MVOLT GZ1 E10WCP	ELITE LIGHTING # HH6-LED-3000L-HP-DIM10-MVOLT-35K-MD-90-INTG-EMG-LED-20W-HH6-6501-CL-XX
D2	6" LED DOWNLIGHT, 1500 LUMENS	LED	1	3500 K	120	15	CEILING			HALO # HC615D010-HM63040835-61MDH	LITON LIGHTING # CH610UE-D10/CR6L22SW-T35	LITHONIA LIGHTING # LDN6 35/15 LO6 AR LSS MVOLT GZ1	ELITE LIGHTING # HH6-LED-1500L-DIM10-MVOLT-35K-MD-90-HH6-6501-CL-XX
D3	6" LED DOWNLIGHT, 4000 LUMENS	LED	1	3500 K	120	40	CEILING			HALO # HC640D010-HM63040835-61MDH	<varies>	<varies>	<varies>
D3E	SAME AS TYPE D3 WITH EMERGENCY BATTERY	LED	1	3500 K	120	40	CEILING		PROVIDE REFLECTOR MOUNTED TEST SWITCH EMERGENCY BATTERY	HALO # HC640D010IEM14-HM63040835-61MDH	<varies>	<varies>	<varies>
D4	6" LED DOWNLIGHT, 3500 LUMENS	LED	1	3500 K	120	35	CEILING			HALO # HC635D010-HM63040835-61MDH	<varies>	<varies>	<varies>
D4E	SAME AS TYPE D4 WITH EMERGENCY BATTERY	LED	1	3500 K	120	35	CEILING		PROVIDE REFLECTOR MOUNTED TEST SWITCH EMERGENCY BATTERY	HALO # HC635D010IEM14-HM63040835-61MDH	LITON LIGHTING # CH639UE-D10-EM/CR6L36SW-EMA-T35	LITHONIA LIGHTING # LDN6 35/35 LO6 AR LSS MVOLT GZ1 E10WCP	ELITE LIGHTING # HH6-LED-3500L-HP-DIM10-MVOLT-35K-MD-90-INTG-EMG-LED-20W-HH6-6501-CL-XX
F1	52" DIAMETER CEILING FAN WITH LED LIGHT	LED	1		120	18	SUSPENDED	STRUCTURE		BARN LIGHT # FPS8553	OXYGEN # 3-102-XX	CARRO # VWGS 524G	MODERN FORMS # FH-W1803-52L-XX-XX
FL1	LED FLAG POLE FIXTURE	LED		3500 K	120	26				LUMARK # NFFLD-S-C70-D-UNV-33-KNC-CB-FINISH			
L1	LED LINEAR FIXTURE, 6FT IN LENGTH	LED	1	3500 K	120	41	CEILING			COOPER LIGHTING # S123DR-S775D835-FTG6F-1-UDD-F-COLOR	PRUDENTIAL LIGHTING # BPR03-REC-FLSH-LED35-SO-6'-TMW-SAL-LP-SC-UNV-X1M-DM01	MARK LIGHTING # SL2L LOP 6FT FLP TG 80CRI 35K 800LMF MIN1 120	PINNACLE # EV3D-A-835HO-6'-MTG-U-FSD-1-0-STD FINISH
L1E	SAME AS TYPE L1 WITH EMERGENCY BATTERY	LED	1	3500 K	120	41	CEILING		PROVIDE INTEGRAL TEST SWITCH EMERGENCY BATTERY	COOPER LIGHTING # S123DR-S775D835-FTG6F-1B2-UDD-F-COLOR	PRUDENTIAL LIGHTING # BPR03-REC-FLSH-LED35-SO-6'-TMW-SAL-LP-SC-UNV-X1M-DM01-EMHE	MARK LIGHTING # SL2L LOP 6FT FLP TG 80CRI 35K 800LMF MIN1 120	PINNACLE # EV3D-A-835HO-6'-MTG-U-FSD-1-1FSB-STD FINISH
P1	LED CIRCULAR PENDANT, 2FT DIAMETER	LED	1	3500 K	120	23	PENDANT			PMC LIGHTING # ARCX-D-P-35K-165-2D-FWOA-FINISH-UNV-	<varies>	<varies>	<varies>
R1	2X2 LED FLAT PANEL, 4000 LUMENS	LED	1	3500 K	120	42	CEILING		<varies>	COOPER LIGHTING # 22FP4235C	<varies>	<varies>	<varies>
R1E	SAME AS TYPE R1 WITH EMERGENCY BATTERY	LED	1	3500 K	120	42	CEILING		PROVIDE INTEGRAL TEST SWITCH EMERGENCY BATTERY	COOPER LIGHTING # 22FP4235C-EL10W	INDUSTRIAL LIGHTING PRODUCTS # VPAN22-22L/33L/44L-U-35-EM10/HE/SD	LITHONIA LIGHTING # CPX 2X2 4000LM 80CRI 35K SWL MIN10 ZT MVOLT	DAYBRITE # FPZ45L835-2-ADS-UNV-DIM-BSL10LST
R2	2X2 LED FLAT PANEL, 2500 LUMENS	LED	1	3500 K	120	21	CEILING			COOPER LIGHTING # 22FP2535HE	<varies>	<varies>	<varies>
R2E	SAME AS TYPE R2 WITH EMERGENCY BATTERY	LED	1	3500 K	120	21	CEILING		PROVIDE INTEGRAL TEST SWITCH EMERGENCY BATTERY	COOPER LIGHTING # 22FP2535HE-EL10W	<varies>	LITHONIA LIGHTING # CPX 2X2 3200LM 80CRI 35K SWL MIN10 ZT MVOLT	<varies>
S1	2FT WALL MOUNTED LED STRIP LIGHT	LED	1	3500 K	120	25	WALL			COOPER LIGHTING # 2BCLED-LD4-24HL-F-UNV-GL-L835-CD-1			
UC1	3FT LED UNDERCABINET FIXTURE	LED	1	3500 K	120	15				Lithonia			
V1	2FT LED VANITY FIXTURE	LED	1	3500 K	120	16	WALL			SONNEMAN # 2421.13	OXYGEN # 3-537-24	LITHONIA LIGHTING # FMVCSLS 24IN MVOLT 30K35K40K 90CRI	WAC LIGHTING # WS-77624-3000K-AL
W1E	LED WALL PACK	LED	1	4000 K	120	<varies>	WALL			COOPER LIGHTING # CCW-VA3-840-U-T4W-FINISH-EBP			
X1	LED EXIT SIGN, CEILING MOUNTED	Red LED	1		120	5	CEILING		REFER TO LIGHTING PLAN FOR FACE AND DIRECTIONAL ARROWS	COOPER LIGHTING # CX SERIES	ABB INSTALLATION PRODUCTS # 2XDCWRW	LITHONIA LIGHTING # LE SERIES	EMERGI-LITE # PRESTIGE THIN DIE-CAST SERIES

MAIN BUILDING LIGHTING CONTROL RELAY PANEL SCHEDULE - LCP-1

RELAY	DESCRIPTION	VOLTAGE	PHASE	CIRCUIT NUMBER	CONTROL ZONE	TC	PC	DIMMING	LOCAL OVERRIDE SWITCH
1	LOBBY 102 LIGHTING	120	1	M1-26	1	YES	NO		YES
2	CORRIDOR LIGHTING	120	1	M1-27	1	YES	NO		YES
3	EXTERIOR LIGHTING	120	1	M1-29	1	YES	YES		
4	EXTERIOR FLAG LIGHTING	120	1	M1-31	1	YES	YES		
5	SPARE	120	1						
6	SPARE	120	1						
7	SPARE	120	1						
8	SPARE	120	1						

NOTES:
LIGHTING CONTROL PANEL SHALL HAVE 8 FULLY PROGRAMMABLE RELAY GROUPS, DAYLIGHT SAVINGS TIME ADJUSTMENT AND ASTRONOMIC TIMECLOCK, DRY CONTACT INTERFACE WITH QUANTITY AND TYPE OF RELAYS SUITABLE FOR LOADS SERVED.

TIME CLOCK SHALL TURN LIGHTS OFF AT THE TIME DETERMINED BY THE OWNER. SYSTEM SHALL FLASH LIGHTS FIVE MINUTES BEFORE ANY SCHEDULED OFF SEQUENCE. LOCAL OVERRIDE SWITCHES SHALL KEEP LIGHTS ON FOR AN ADDITIONAL MAXIMUM OF 4 HOURS. COORDINATE SETTINGS WITH OWNER/ARCHITECT.

ALL BRANCH CIRCUIT WIRING INDICATED SHALL BE ROUTED THROUGH THE LIGHTING CONTROL PANEL.

1 / E601 **LIGHTING CONTROL RELAY SCHEDULES**
SCALE: N.T.S.

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — No. 25022 — DENNIS M. SEMRICH

01/09/2025

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

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2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
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ELECTRICAL LIGHT FIXTURE SCHEDULE

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	12" = 1'-0"

E601

1/9/2025 11:07:47 AM

PANELBOARD: MDP1

LOCATION:
MOUNTING: Surface
ENCL NEMA: Type 1
MIN AIC: SEE ONE-LINE DIAGRAM

MAINS: MCB
VOLTS: 208/120 Wye
PHASE: 3
WIRES: 4

AMPS: 600

PANEL NOTES:
PROVIDE GROUND BUS
PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE

WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A		B		C		CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
SEE ONE-LINE DIAGRAM	M1	3	225 A		1	11.80	7.03					2					
					3			10.47	3.88			4		225 A	3	RP1	SEE ONE-LINE DIAGRAM
					5					10.05	5.05	6					
SEE ONE-LINE DIAGRAM	RP2	3	225 A		7	10.32	18.01					8					
					9			9.95	18.01			10		200 A	3	DOAU-1	3#250AWG + 1#6GRD IN 3" CND
					11					7.68	18.01	12					
	Heating FIRE RISER 101	3	20 A		13	6.00	3.43					14					
					15			6.00	2.54			16		100 A	3	UPS	SEE ONE-LINE DIAGRAM
					17					6.00	1.46	18					
--	SPARE	3	100 A	--	19	0.00	--					20					
					21			0.00	--			22	--	--	3	SPACE	--
					23					0.00	--	24					
--	SPARE	3	100 A	--	25	0.00	--					26					
					27			0.00	--			28	--	--	3	SPACE	--
					29					0.00	--	30					
					TOTAL LOAD:	56.58 kVA		50.83 kVA		48.24 kVA							

BREAKER TYPE KEYS:
LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
GF - INDICATES C.B. IS GROUND FAULT TYPE (5mA FOR PERSONNEL)
ST - INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE
HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LTG	8.13	100.00%	8.13		
REC	48.38	60.34%	29.19	**Total Conn. Load:**	155.65 kVA
Heating	17.99	100.00%	17.99	**Total Est. Demand:**	136.60 kVA
Equipment	2.92	100.00%	2.92	**Total Conn. Current:**	432.03 A
HVAC	77.68	100.00%	77.68	**Total Est. Demand Current:**	379.17 A
Lighting - Exterior	0.60	125.00%	0.75		

PANELBOARD: M1

LOCATION:
MOUNTING: Surface
ENCL NEMA: Type 1
MIN AIC: 10,000

MAINS: MLO
VOLTS: 208/120 Wye
PHASE: 3
WIRES: 4

AMPS: 225

PANEL NOTES:
PROVIDE GROUND BUS
PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE

WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A		B		C		CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
3#8AWG + 1#10GRD IN 1" CND	HP-1	3	40 A		1	4.56	1.18					2		20 A	1	GEF-1	
					3			4.56	0.18			4		20 A	1	DOAU-1 LIGHTING	
					5					4.56	0.63	6		15 A	2	FCU-1A, FCU-1B, FCU-2	
	REC ROOF	1	20 A		7	0.54	0.63					8					
	GEF-2	1	20 A		9			0.42	0.63			10		15 A	2	FCU-7, FCU-8, FCU-11	
	DOAU-1 REC	1	20 A		11					0.18	0.63	12					
	FCU-3, FCU-4, FCU-6	2	15 A		13	0.63	0.02					14		20 A	2	BC-1 ADMIN COPY CENTER 128	
					15			0.63	0.02			16					
	FCU-5, FCU-9, FCU-10	2	15 A		17					0.63	0.70	18		20 A	1	LTG BUILDING CODE...	
					19	0.63	0.91					20		20 A	1	LTG BREAKOUT ROOM 133	
	LTG MENS BATHROOM 123	1	20 A		21			0.76	1.32			22		20 A	1	LTG CHAMBERS 104	
	LTG RM 111, 103, 112, 132	1	20 A		23					0.90	1.07	24		20 A	1	LTG BREAK RM 116	
	LTG RM 113, 108, 125, 110	1	20 A		25	0.99	0.56					26		20 A	1	LTG LOBBY 102	
	LTG MAIN CORRIDOR 139	1	20 A		27			0.78	1.00			28		20 A	1	GEN. BATTERY CHARGER	
	LTG EXT	1	20 A		29					0.16	0.60	30		30 A	2	GEN. BLOCK HEATER	2#10AWG, 1#10GRD, 3/4"...
--	SPARE	1	20 A	--	33			0.00	0.18			34		20 A	1	RP-1 FIRE RISER 101	
--	SPARE	1	20 A	--	35					0.00	0.00	36	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	37	0.00	0.00					38	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	39			0.00	0.00			40	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	41					0.00	0.00	42	--	20 A	1	SPARE	--
					TOTAL LOAD:	11.80 kVA		10.47 kVA		10.05 kVA							

BREAKER TYPE KEYS:
LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
GF - INDICATES C.B. IS GROUND FAULT TYPE (5mA FOR PERSONNEL)
ST - INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE
HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LTG	8.13	100.00%	8.13		
REC	0.54	100.00%	0.54	**Total Conn. Load:**	32.32 kVA
Equipment	2.74	100.00%	2.74	**Total Est. Demand:**	32.46 kVA
HVAC	20.35	100.00%	20.35	**Total Conn. Current:**	89.70 A
Lighting - Exterior	0.60	125.00%	0.75	**Total Est. Demand Current:**	90.10 A

PANELBOARD: RP1

LOCATION:
MOUNTING: Surface
ENCL NEMA: Type 1
MIN AIC: 10,000

MAINS: MLO
VOLTS: 208/120 Wye
PHASE: 3
WIRES: 4

AMPS: 225

PANEL NOTES:
PROVIDE GROUND BUS
PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE

WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A		B		C		CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
	REC BUILDING CODE...	1	20 A		1	0.90	0.00					2	--	20 A	1	SPARE	--
	REC BUILDING CODE...	1	20 A		3			0.54	0.00			4	--	20 A	1	SPARE	--
	REC CONF. ROOM 117	1	20 A		5					0.55	0.00	6	--	20 A	1	SPARE	--
	REC CONF. ROOM 117	1	20 A		7	0.90	0.00					8	--	20 A	1	SPARE	--
	REC FINANCE 119	1	20 A		9			0.90	0.00			10	--	20 A	1	SPARE	--
	REC FINANCE - 1 121	1	20 A		11					0.90	0.00	12	--	20 A	1	SPARE	--
	REC MENS BATHROOM 123	1	20 A		13	0.72	0.36					14		20 A	1	REC EOC IT / ELEC. 135	
	REC EOC STORAGE 130	1	20 A		15			1.08	0.00			16	--	20 A	1	SPARE	--
	REC MAIN CORRIDOR 139	1	20 A		17					1.08	0.90	18		20 A	1	REC ASST. TOWN ADMIN....	
	REC TOWN ADMIN. 138	1	20 A		19	1.26	1.26					20		20 A	1	REC MAYOR 136	
	REC RM 106, 107	1	20 A		21			0.36	0.90			22		20 A	1	REC MUNICIPAL CLERK 134	
	REC FLEX OFFICE 132	1	20 A		23					0.90	0.72	24		20 A	1	REC FURNITURE STORAG...	
	REC EXEC. SESSION 105	1	20 A		25	0.64	0.82					26		20 A	1	REC EXEC. SESSION 105	
--	SPARE	1	20 A	--	27			0.00	0.00			28	--	20 A	1	SPARE	--
	CARD READERS	1	20 A		29					0.00	0.00	30		20 A	1	CARD READER	
--	SPARE	1	20 A	--	31	0.00	0.18					32		20 A	1	TV BLDG CODE ADMIN. 115	
--	SPARE	1	20 A	--	33			0.00	0.10			34		20 A	1	REC EOC & TRAINING 129	
--	SPARE	1	20 A	--	35					0.00	0.00	36	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	37	0.00	0.00					38	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	39			0.00	0.00			40	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	41					0.00	0.00	42	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	43	0.00	0.00					44	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	45			0.00	0.00			46	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	47					0.00	0.00	48	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	49	0.00	0.00					50	--	20 A	1	SPARE	--
--	SPACE	1	--	--	51			--	--			52	--	--	1	SPACE	--
--	SPACE	1	--	--	53					--	--	54	--	--	1	SPACE	--
--	SPACE	1	--	--	55	--	--					56	--	--	1	SPACE	--
--	SPACE	1	--	--	57			--	--			58	--	--	1	SPACE	--
--	SPACE	1	--	--	59					--	--	60	--	--	1	SPACE	--
					TOTAL LOAD:	7.03 kVA		3.88 kVA		5.05 kVA							

BREAKER TYPE KEYS:
LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
GF - INDICATES C.B. IS GROUND FAULT TYPE (5mA FOR PERSONNEL)
ST - INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE
HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	15.96	81.33%	12.98		
Equipment	0.00	0.00%	0.00	**Total Conn. Load:**	15.96 kVA
				Total Est. Demand:	12.98 kVA
				Total Conn. Current:	44.30 A
				Total Est. Demand Current:	36.03 A

PANELBOARD: RP2

LOCATION:
MOUNTING: Surface
ENCL NEMA: Type 1
MIN AIC: 10,000

MAINS: MLO
VOLTS: 208/120 Wye
PHASE: 3
WIRES: 4

AMPS: 225

PANEL NOTES:
PROVIDE GROUND BUS
PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE

WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A		B		C		CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
	REC BROADCAST 103	1	20 A		1	1.26	1.08					2		20 A	1	REC FLEX OFFICE 120	
	REC SOFT INTERVIEW 112	1	20 A		3			0.90	0.00			4		20 A	1	PROJ. CHAMBERS 104	
	REC LOBBY 102	1	20 A		5					0.36	0.54	6		20 A	1	REC CHAMBERS 104	
	WTR FNTN LOBBY 102	1	20 A	GF	7	1.00	0.90					8		20 A	1	REC COMM ROOM 124	
	REC MENS RESTROOM 110	1	20 A		9			0.72	0.72			10		20 A	1	REC RECORDS 126	
	REC BREAK RM 116	1	20 A		11					0.36	0.54	12		20 A	1	REC ADMIN COPY CENTE...	
	REFRGR BREAK RM 116	1	20 A	GF	13	1.00	0.36					14		20 A	1	REC ADMIN COPY CENTE...	
	REC BREAK RM 116	1	20 A		15			0.18	0.72			16		20 A	1	REC CHAMBERS 104	
	REC BREAK RM 116	1	20 A		17					1.00	0.54	18		20 A	1	REC MAIN CORRIDOR 139	
	REC SPECIAL PROJECTS...	1	20 A		19	1.08	0.09					20		20 A	2	REC PERMITS / INSPECTIONS WORK ROO...	
	REC PERMITS /...	1	20 A		21			0.36	0.09			22					
	REC PERMITS /...	1	20 A		23					0.90	0.09	24		20 A	2	REC PERMITS / INSPECTIONS WORK ROO...	
	REC PERMITS /...	1	20 A		25	0.54	0.09					26					
	REC RM 113, 108	1	20 A		27			0.90	1.08			28		20 A	1	REC UTIL. & LICENSE...	
	REC LOBBY 102	1	20 A		29					0.46	0.72	30		20 A	1	REC LOBBY 102	
	REC RM 100	1	20 A		31	0.72	0.36					32		20 A	1	REC CHAMBERS 104	
	REC CHAMBERS 104	1	20 A		33			0.90	0.72			34		20 A	1	REC CHAMBERS 104	
	REC CHAMBERS 104	1	20 A		35					0.91	1.08	36		20 A	1	REC EXT	
	FACP ELEC 122	1	20 A	LO	37	0.18	1.66					38		20 A	2	EUH-1	
	REC	1	20 A		39			1.00	1.66			40					
	REC CHAMBERS 104	1	20 A		41					0.18	0.00	42	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	43	0.00	0.00					44	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	45			0.00	0.00			46	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	47					0.00	0.00	48	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	49	0.00	0.00					50	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	51			0.00	0.00			52	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	53					0.00	0.00	54	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	55	0.00	0.00					56	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	57			0.00	0.00			58	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	59					0.00	0.00	60	--	20 A	1	SPARE	--
					TOTAL LOAD:	10.32 kVA		9.95 kVA		7.68 kVA							

BREAKER TYPE KEYS:
LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
GF - INDICATES C.B. IS GROUND FAULT TYPE (5mA FOR PERSONNEL)
ST - INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE
HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	24.45	70.45%	17.22		
Equipment	0.18	100.00%	0.18	**Total Conn. Load:**	27.94 kVA
HVAC	3.31	100.00%	3.31	**Total Est. Demand:**	20.71 kVA
				Total Conn. Current:	77.55 A
				Total Est. Demand Current:	57.50 A

01/09/2025

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

ELECTRICAL SCHEDULES

SHEET NAME

PROJECT NUMBER 321261.B0
DRAWN BY BWT
CHECKED BY DMS
DATE 12/16/2024
SCALE

E602

1/9/2025 11:07:47 AM

PANELBOARD: UPS1

LOCATION:
MOUNTING: Surface
ENCL NEMA: Type 1
MIN AIC: SEE ONE-LINE DIAGRAM

MAINS: MCB
VOLTS: 208/120 Wye
PHASE: 3
WIRES: 4

AMPS: 100

PANEL NOTES:

PROVIDE GROUND BUS
PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE

WIRE SIZE	LOAD DESCRIPTION	P	TRIP AMPS	TYPE	CKT	A		B		C		CKT	TYPE	TRIP AMPS	P	LOAD DESCRIPTION	WIRE SIZE
	REC BROADCAST 103	1	20 A		1	0.18	0.18					2		20 A	1	REC EOC IT / ELEC. 135	
	REC BROADCAST 103	1	20 A		3			0.18	0.18			4		20 A	1	REC EOC IT / ELEC. 135	
	REC COMM ROOM 124	1	20 A		5					0.18	0.09	6		30 A	2	REC EOC IT / ELEC. 135	#10AWG, #10GRD, 3/4"...
	REC COMM ROOM 124	1	20 A		7	0.18	0.09					8					
	REC EOC IT / ELEC. 135	1	20 A		9			0.36	0.36			10		20 A	1	REC COMM ROOM 124	
#10AWG, #10GRD, 3/4"...	REC COMM ROOM 124	2	30 A		11					0.09	0.36	12		20 A	1	REC COMM ROOM 124	
					13	0.09	0.55					14		20 A	1	REC BREAKOUT ROOM 133	
#10AWG, #10GRD, 3/4"...	REC COMM ROOM 124	2	30 A		15			0.09	0.72			16		20 A	1	REC BREAKOUT ROOM 133	
					17					0.09	0.36	18		20 A	1	911 RADIOS BRKOUT RM...	
	REC EOC & TRAINING 129	1	20 A		19	1.08	1.08					20		20 A	1	REC EOC & TRAINING 129	
	REC EOC & TRAINING 129	1	20 A		21			0.36	0.29			22		20 A	1	REC EOC & TRAINING 129	
	REC EOC & TRAINING 129	1	20 A		23					0.29	0.00	24		20 A	1	PROJ., PROJ. SCREEN R...	
--	SPARE	1	20 A	--	25	0.00	0.00					26	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	27			0.00	0.00			28	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	29					0.00	0.00	30	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	31	0.00	0.00					32	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	33			0.00	0.00			34	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	35					0.00	0.00	36	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	37	0.00	0.00					38	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	39			0.00	0.00			40	--	20 A	1	SPARE	--
--	SPARE	1	20 A	--	41					0.00	0.00	42	--	20 A	1	SPARE	--
					TOTAL LOAD:	3.43 kVA		2.54 kVA		1.46 kVA							

BREAKER TYPE KEYS:

LO - INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE
GF - INDICATES C.B. IS GROUND FAULT TYPE (5mA FOR PERSONNEL)
ST - INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE
HT - INDICATES C.B. EQUIPPED WITH 30mA GROUND FAULT FOR EQUIPMENT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
REC	7.43	100.00%	7.43		
Equipment	0.00	0.00%	0.00	**Total Conn. Load:**	7.43 kVA
				Total Est. Demand:	7.43 kVA
				Total Conn. Current:	20.62 A
				Total Est. Demand Current:	20.62 A

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 25022
DENNIS M. SERAFICH
01/09/2025

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

ELECTRICAL SCHEDULES

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	BWT
CHECKED BY	DMS
DATE	12/16/2024
SCALE	

E603

1/9/2025 11:07:48 AM

FIRE PROTECTION GENERAL NOTES

1 CONTRACTOR SHALL DESIGN AND INSTALL AUTOMATIC SPRINKLER PROTECTION THROUGHOUT THE FACILITY IN ACCORDANCE WITH IBC, NFPA, THE SPECIFICATION AND THE SCOPE OF WORK DOCUMENTS.

2 THE SPRINKLER CONTRACTOR SHALL PREPARE AND SUBMIT COMPLETE SHOP DRAWINGS WITH HYDRAULIC CALCULATIONS AND MATERIAL SPECIFICATION SHEETS FOR APPRO VAL BY THE ENGINEER PRIOR TO SUBMISSION TO THE AUTHORITY HAVING JURISDICTION.

3 NO CHANGES TO THE "FP" SHEETS BY THE SPRINKLER SUBCONTRACTOR ARE ALLOWED EXCEPT FOR ADDING SHOP DRAWING INFORMATION. ALL REQUIRED REVISIONS TO THE "FP" SHEETS (OTHER THAN MINOR REVISIONS FOR THE PURPOSE OF COORDINATION) AND ANY ABNORMAL CONDITIONS THAT WOULD RESULT IN NON-COMPLIANCE SHALL BE SUBMITTED IN WRITING AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

4 THE SPRINKLER CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS, INCLUDING ALL REFLECTED CEILING PLANS, PRIOR TO PREPARING THE BID. ATTENTION SHALL BE PAID TO AREAS WITH FLOATING CEILINGS AND LARGE EXPOSED DUCTWORK.

5 FIRE PROTECTION SYSTEM PIPING, FITTINGS AND SIZES SHOWN ON THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND ARE PROVIDED FOR ESTIMATING PURPOSES AND INTENT ONLY. THEY SHOULD NOT BE CONSIDERED REQUIREMENTS UNDER THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OTHER TRADES. ENSURE THE PROPER CLEARANCES ARE PROVIDED WHERE NECESSARY.

6 ALL INSPECTOR'S TEST CONNECTIONS AND LOW POINT DRAINS SHALL BE IN ACCORDANCE WITH NFPA 13 AND SHALL BE DISPLAYED ON SHOP DRAWINGS. LOW POINT DRAINS SHALL BE CLEARLY MARKED AND PIPED TO THE EXTERIOR OF THE BUILDING. A VALVE DRAWING SHALL BE PROVIDED IN MECHANICAL ROOM SHOWING THE LOCATIONS OF ALL LOW POINT DRAINS.

7 COORDINATE SPRINKLER DRAIN AND TEST DISCHARGE LOCATIONS WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION. REFER TO ARCHITECTURAL DRAWINGS AND LANDSCAPE PLANS TO AVOID LOCATIONS NEAR MAIN ENTRANCES, LOCATIONS THAT COULD CAUSE STAINING OF SPECIALTY HARDSCAPES AND BUILDING FINISHES, OR DAMAGE TO PLANT MATERIAL CAUSED BY ACCESS. DO NOT PENETRATE SPECIALTY CLADDING (E.G. CAST STONE OR ALUMINUM COMPOSITE PANELS) WITHOUT APPROVAL BY ARCHITECT.

8 ALL PIPE PENETRATIONS THROUGH MASONRY WALLS SHALL BE PROVIDED WITH THE MINIMUM CLEARANCE REQUIREMENTS FOR SEISMIC PROTECTION AS DEFINED BY NFPA 13. ALL PIPING LESS THAN FOUR (4) INCHES SHALL HAVE A PIPE SLEEVE A NOMINAL DIAMETER 2 IN. LARGER THAN THE NOMINAL DIAMETER OF THE PIPE. ALL PIPING FOUR (4) INCHES AND LARGER SHALL HAVE A PIPE SLEEVE A NOMINAL DIAMETER 4 IN. LARGER THAN THE NOMINAL DIAMETER OF THE PIPE.

9 ALL VALVES CONTROLLING WATERFLOW TO THE SPRINKLER SYSTEM SHALL BE PROVIDED WITH TAMPER SWITCHES TO BE CONNECTED TO THE FIRE ALARM SYSTEM BY THE FIRE ALARM CONTRACTOR, INCLUDING POST INDICATOR VALVES.

10 ALL PENETRATIONS THROUGH FIRE-RESISTANT ASSEMBLIES SHALL BE PROVIDED WITH A UL-LISTED THROUGH-PENETRATION FIRESTOP SYSTEM THAT IS APPROPRIATE FOR THE FIRE-RESISTANT ASSEMBLY. PENETRATIONS THROUGH THE SMOKE BARRIERS OR SMOKE PARTITIONS SHOULD UTILIZE NONCOMBUSTIBLE, FLEXIBLE SEALANT CAPABLE OF RESISTING THE PASSAGE OF SMOKE. REFER TO THE LIFE SAFETY AND ARCHITECTURAL SHEETS FOR LOCATIONS OF RATED ASSEMBLIES.

11 SPRINKLER CONTRACTOR IS RESPONSIBLE TO COORDINATE AND ADJUST SPRINKLER HEADS AND PIPING TO ACCOUNT FOR ELECTRICAL, MECHANICAL, STRUCTURE AND ALL OTHER TRADES AT NO ADDITIONAL COST.

12 CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO KEEP THE PREMISES DRY AT ALL TIMES AND TO PREVENT WATER DAMAGE. CONTRACTOR SHALL REPAIR WATER DAMAGE FROM THE WORK, WHETHER INTENTIONAL OR NOT, AT NO COST TO AND TO THE SATISFACTION OF THE OWNER.

13 ALL PIPING IN AREAS WITH SUSPENDED OR GYPSUM BOARD CEILINGS SHALL BE CONCEALED ABOVE CEILINGS.

14 SPRINKLER SYSTEM(S) SHALL BE DESIGNED FOR A MAXIMUM WORKING PRESSURE OF 175 PSI PER NFPA 13.

15 ALL VALVES SHALL HAVE A PERMANENTLY AFFIXED SIGN PER NFPA 13 INDICATING ITS FUNCTION AND SECURED TO THE VALVE WITH SUITABLE CHAIN.

16 PROVIDE A PERMANENTLY ATTACHED HYDRAULIC NAMEPLATE FOR EACH SYSTEM RISER IN ACCORDANCE WITH NFPA 13.

17 ALL SPRINKLERS IN CEILING TILES SHALL BE LOCATED IN THE CENTER OF TILE (+/- 2 INCHES).

18 INSTALLATION OF INCOMING FIRE SERVICE SHALL BE IN ACCORDANCE WITH APPLICABLE WATER SYSTEM JURISDICTION REQUIREMENTS AND NFPA 24.

19 THE FIRE SPRINKLER SYSTEM SHALL BE HYDROSTATICALLY PRESSURE TESTED IN ACCORDANCE WITH NFPA 13. ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200 PSI AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS. LOSS SHALL BE DETERMINED BY A DROP IN GAUGE PRESSURE OR VISUAL LEAKAGE. THE TEST PRESSURE SHALL BE READ FROM A GUAGE LOCATED AT THE LOW POINT OF THE SYSTEM OR PORTION BEING TESTED. THE PRESSURES IN PIPING AT HIGHER ELEVATIONS SHALL BE PERMITTED TO BE LESS THAN 200 PSI WHEN ACCOUNTING FOR ELEVATION LOSSES. SYSTEMS OR PORTIONS OF SYSTEMS THAT CAN BE ISOLATED SHALL BE PERMITTED TO BE TESTED SEPARATELY.

20 CONTRACTOR SHALL PROVIDE OWNER WITH TEST CERTIFICATES, CARE & MAINTENANCE BOOK, COPY OF NFPA 25, SPARE HEAD CABINET WITH SPRINKLERS AND REQUIRED SPRINKLER WRENCHES IN ACCORDANCE WITH NFPA 13.

21 CONTRACTOR SHALL IMMEDIATELY CONTACT THE A/E IF DISCREPANCIES ARE FOUND IN THESE DRAWINGS OR SPECIFICATIONS, OR BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, OR BETWEEN THE CONTRACT DOCUMENTS AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. WHERE CONFLICTS OCCUR BETWEEN THE DRAWINGS, SPECIFICATION OR CODES, THE CONTRACTOR SHALL BY DEFAULT FOLLOW THE MOST RESTRICTIVE REQUIREMENT.

22 ALL FIRE PROTECTION SYSTEMS, EQUIPMENT, PIPING, AND VALVES SHALL BE INSTALLED AND TESTED BY A SPRINKLER CONTRACTOR LICENSED BY THE STATE AND EXPERIENCED IN THE INSTALLATION OF SPRINKLER SYSTEMS.

23 THE FIRE PROTECTION DRAWINGS SUGGEST ROUTING OF PIPING. THE CONTRACTOR SHALL PRODUCE A COMPLETE SET OF WORKING PLANS IN ACCORDANCE WITH NFPA 13. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED PER THE DESIGN CRITERIA SPECIFIED. ALL PLANS AND CALCULATIONS SHALL BE STAMPED BY THE CONTRACTOR'S REGISTERED ENGINEER AND SHALL BE SUBMITTED TO THE STATE FIRE MARSHALL FOR APPROVAL.

24 ALL FIRE PROTECTION SYSTEMS SHALL BE SEISMICALLY BRACED ACCORDING TO THE APPLICABLE SECTIONS OF THE STATE BUILDING CODE AND THE REFERENCED EDITION OF NFPA 13.

Fire Sprinkler System Specification Sheet
(Per §40-10-250)

Project Data

Project name: Town of Edisto Beach Town Hall
Location in South Carolina: Address (street # & name): 2414 Murray Street — State Project: ☐ Yes ■ No
City: Edisto Beach — County: Colleton — State Project #:

Water Supply Information
(Flow test data must be less than 1 year old per §40-10-250(A)(1))

Date test conducted: 10 / 24 / 2023 — Static pressure (psi): 65 — Residual pressure (psi): 55 — Flow (gpm): 1034
Distances of test gauges relative to the base of the riser: Horizontal (ft): — Vertical (elevation difference in ft):
Source of water supply: ☐ Municipal dead-end ■ Municipal circulation ☐ existing fire pump ☐ Other: — Pipe Size (in.): 10
Test data by/from: Name: Holliday Utility Services — Title:
Organization: Holliday Utility Services — Phone: 843-727-7144
Fire pump: ☐ New ☐ Existing ■ No Pump — Rated Pressure (psi): — Churn Pressure (psi): — Rated Capacity (gpm): — Pressure @ 150% flow (psi):
On-site water storage: ☐ Yes ■ No — ☐ New ☐ Existing — ☐ Tank ☐ Other: — Capacity (gal):

NFPA Hazard Classification
(Attach continuation page when necessary)

Area #	Hazard Class or Code Reference	Description of Hazard Protected (including occupancy use group, and details of storage arrangement as applicable (including commodity class, rack arrangement/type, ceiling and storage height.))
1	Light Hazard	Offices, Conference Rooms, Break Room, Corridor, Restrooms, Chambers, Lobby, Vestibule
2	Ordinary Hazard 1	Furniture Storage (Storage Height ≤ 8 feet), Records (Storage Height ≤ 8 feet), EOC IT/Electrical, Fire Riser
3		

Design Parameters
(Attach continuation page when necessary)

Area #	System Type	Density(gpm/ft²)/Area(ft²), or Other (Reference code sections)	Inside Hose (gpm)	Outside Hose (gpm)
1	Automatic Wet	0.10/1500	0	100
2	Automatic Wet	0.15/1500	0	250
3				

Seismic Design Data: S_S= 1.046 — Site Classification= D — Seismic Design Category= D

Codes and Standards
(Attach continuation page when necessary)

Applicable Codes, Standards, & Editions (i.e. 2018 IBC, 2016 NFPA 13, etc.) for the Scope of Work on the Fire Sprinkler System
ICC IBC (2021), ICC IFC (2021), NFPA-13 (2019)

Scope of work (i.e. sprinkler system A.G. from 1'-0" A.F.F., U.G. from tap to 5'-0" outside, etc.) and notes (attach continuation page when necessary):
Wet sprinkler systems above ground work to 1 foot above the finished floor. Area reductions are allowable in accordance with NFPA 13 section 11.2.

Specifier's Information

Name: Raquel Deschler, P.E.
Engineering services provided through a firm: ■ Yes ☐ No
Firm name: RMF Engineering, Inc.
Address: 194 Seven Farms Drive, Suite G
City: Charleston
State: South Carolina — Zip: 29492
Phone: 843-973-9639 — Fax: 843-971-6941
E-mail: raquel.deschler@rmf.com

STATE OF SOUTH CAROLINA REGISTERED ENGINEERS — RMF ENGINEERING INC. CHARLESTON, SC C-00831 — Certificate of Authorization
SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36136 RAQUEL DESCHLER — Professional Engineer's Seal

Revision No.: 0 — Page 1 of 1 — Signature: R. Deschler
Form Version: July 1, 2021 — Date: 1/9/25

Fire Sprinkler System Specification Sheet
(Per §40-10-250)

Project Data

Project name: Edisto Beach Fire Station 14
Location in South Carolina: Address (street # & name): 2413 Murray St — State Project: ☐ Yes ■ No
City: Edisto Island — County: Colleton County — State Project #:

Water Supply Information
(Flow test data must be less than 1 year old per §40-10-250(A)(1))

Date test conducted: 10 / 24 / 2023 — Static pressure (psi): 65 — Residual pressure (psi): 60 — Flow (gpm): 1,163
Distances of test gauges relative to the base of the riser: Horizontal (ft): — Vertical (elevation difference in ft):
Source of water supply: ☐ Municipal dead-end ■ Municipal circulation ☐ existing fire pump ☐ Other: — Pipe Size (in.): 10
Test data by/from: Name: Holliday Utility Services — Title:
Organization: Holliday Utility Service — Phone:
Fire pump: ☐ New ☐ Existing ■ No Pump — Rated Pressure (psi): — Churn Pressure (psi): — Rated Capacity (gpm): — Pressure @ 150% flow (psi):
On-site water storage: ☐ Yes ■ No — ☐ New ☐ Existing — ☐ Tank ☐ Other: — Capacity (gal):

NFPA Hazard Classification
(Attach continuation page when necessary)

Area #	Hazard Class or Code Reference	Description of Hazard Protected (including occupancy use group, and details of storage arrangement as applicable (including commodity class, rack arrangement/type, ceiling and storage height.))
1	Light Hazard	Bunk, Bath, Water Closet, Storage, Hallway, Fire Chief Office, Police Chief Office, Attic Area
2	Ordinary Hazard 1	Apparatus Bays, Tool Storage, Fire Department Common/Kitchen Ops, Electrical Closet, Upper Storage
3	Ordinary Hazard 2	Police Department Office (guns and ammunition stored in safe)

Design Parameters
(Attach continuation page when necessary)

Area #	System Type	Density(gpm/ft²)/Area(ft²), or Other (Reference code sections)	Inside Hose (gpm)	Outside Hose (gpm)
1	Automatic Dry	0.10/1500	0	100 (at hydrant)
2	Automatic Dry	0.15/1500	0	250 (at hydrant)
3	Automatic Dry	0.20/1500	0	250 (at hydrant)

Seismic Design Data: S_S= 1.046 — Site Classification= D — Seismic Design Category= D

Codes and Standards
(Attach continuation page when necessary)

Applicable Codes, Standards, & Editions (i.e. 2018 IBC, 2016 NFPA 13, etc.) for the Scope of Work on the Fire Sprinkler System
IBC (2021), IFC (2021), NFPA-13 (2019)

Scope of work (i.e. sprinkler system A.G. from 1'-0" A.F.F., U.G. from tap to 5'-0" outside, etc.) and notes (attach continuation page when necessary):
Automatic dry sprinkler work within building. FDC sign, building mounted FDC are by Division 21. System above ground work to 1 foot above finished floor. Area reductions are allowable in accordance with NFPA 13.

Specifier's Information

Name: Raquel Deschler
Engineering services provided through a firm: ■ Yes ☐ No
Firm name: RMF Engineering, Inc.
Address: 194 Seven Farms Drive, Suite G
City: Charleston
State: South Carolina — Zip: 29492
Phone: 843 971 9639 — Fax: 843 971 9641
E-mail:

STATE OF SOUTH CAROLINA REGISTERED ENGINEERS — RMF ENGINEERING INC. CHARLESTON, SC C-00831 — Certificate of Authorization
SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36136 RAQUEL DESCHLER — Professional Engineer's Seal

Revision No.: 0 — Page 1 of 1 — Signature: R. Deschler
Form Version: July 1, 2021 — Date: 1/9/25

FIRE PROTECTION SYMBOLS

COMPONENTS AND SPECIALTIES

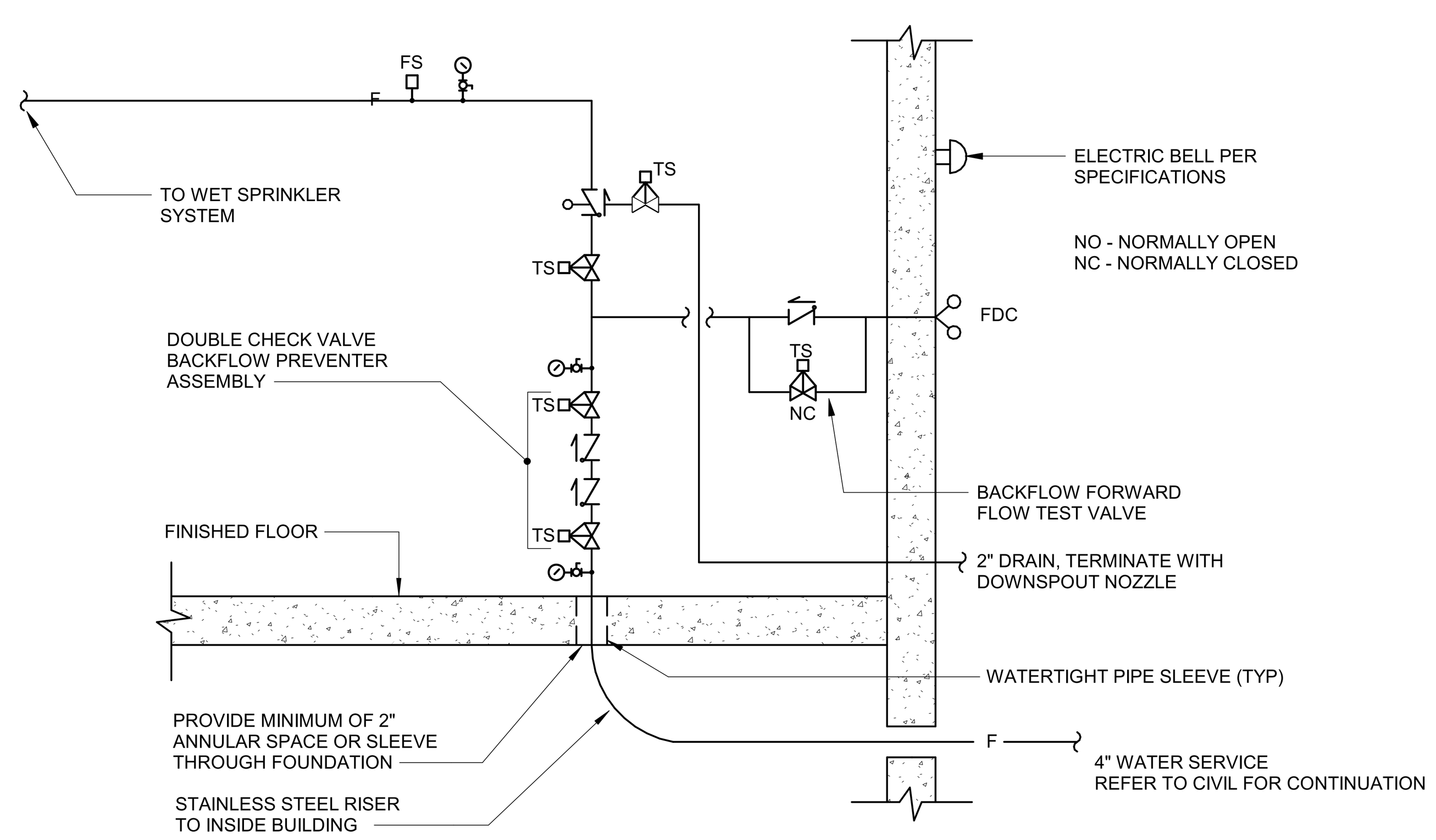
SYMBOL	DESCRIPTION
	BACKFLOW PREVENTER (DOUBLE CHECK TYPE)
	WATER MOTOR GONG
FS	FLOW SWITCH
	OUTSIDE STEM AND YOKE VALVE
TS	OUTSIDE STEM AND YOKE VALVE WITH TAMPER SWITCH
	SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
	FIRE DEPARTMENT SIAMESE CONNECTION (WALL MOUNTED)
	ALARM CHECK VALVE
	FIRE DEPARTMENT HOSE VALVE

PIPING SYMBOLS

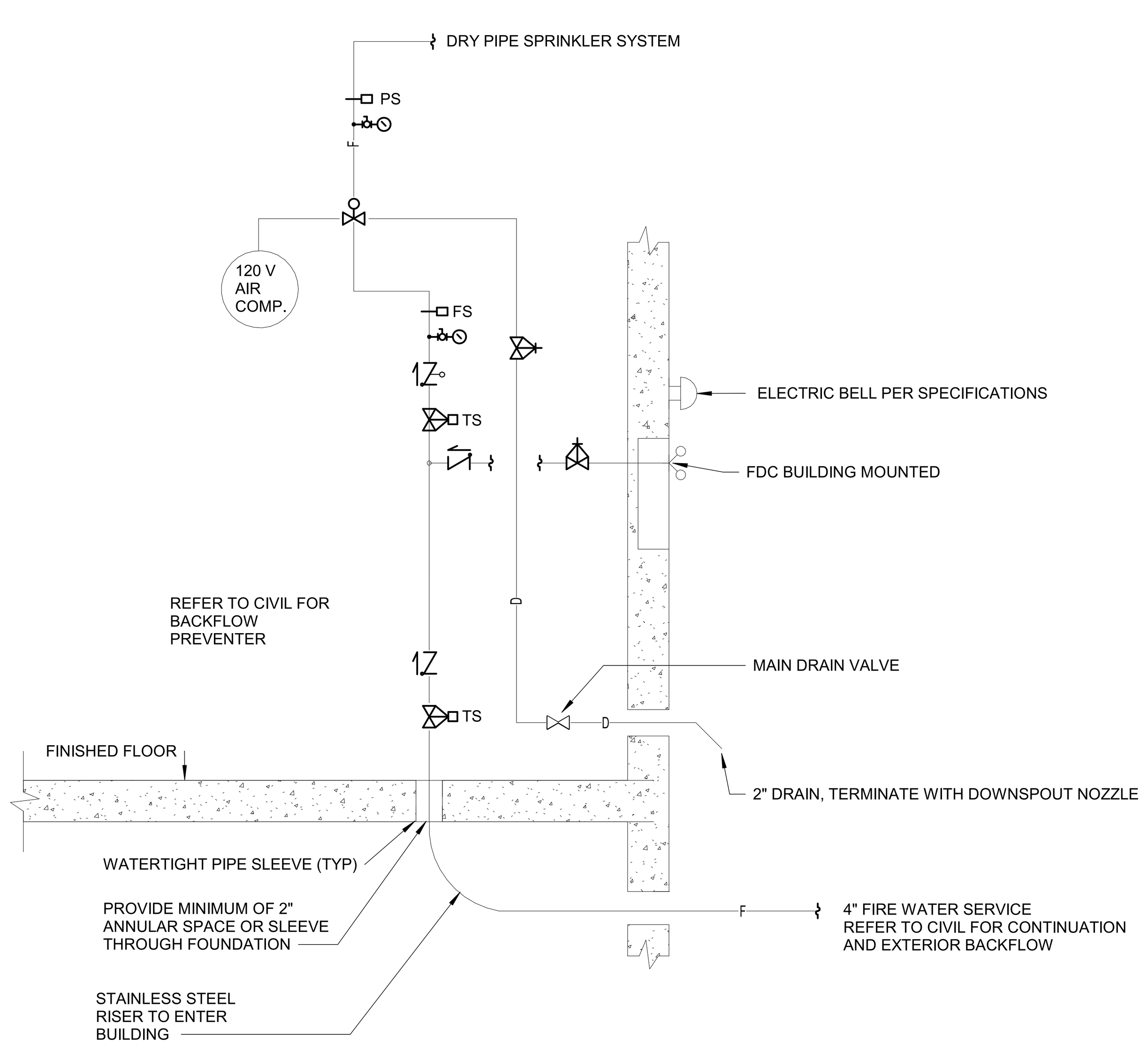
SYMBOL	DESCRIPTION
——F——	FIRE LINE
——D——	SPRINKLER DRAIN LINE

FIRE RATED

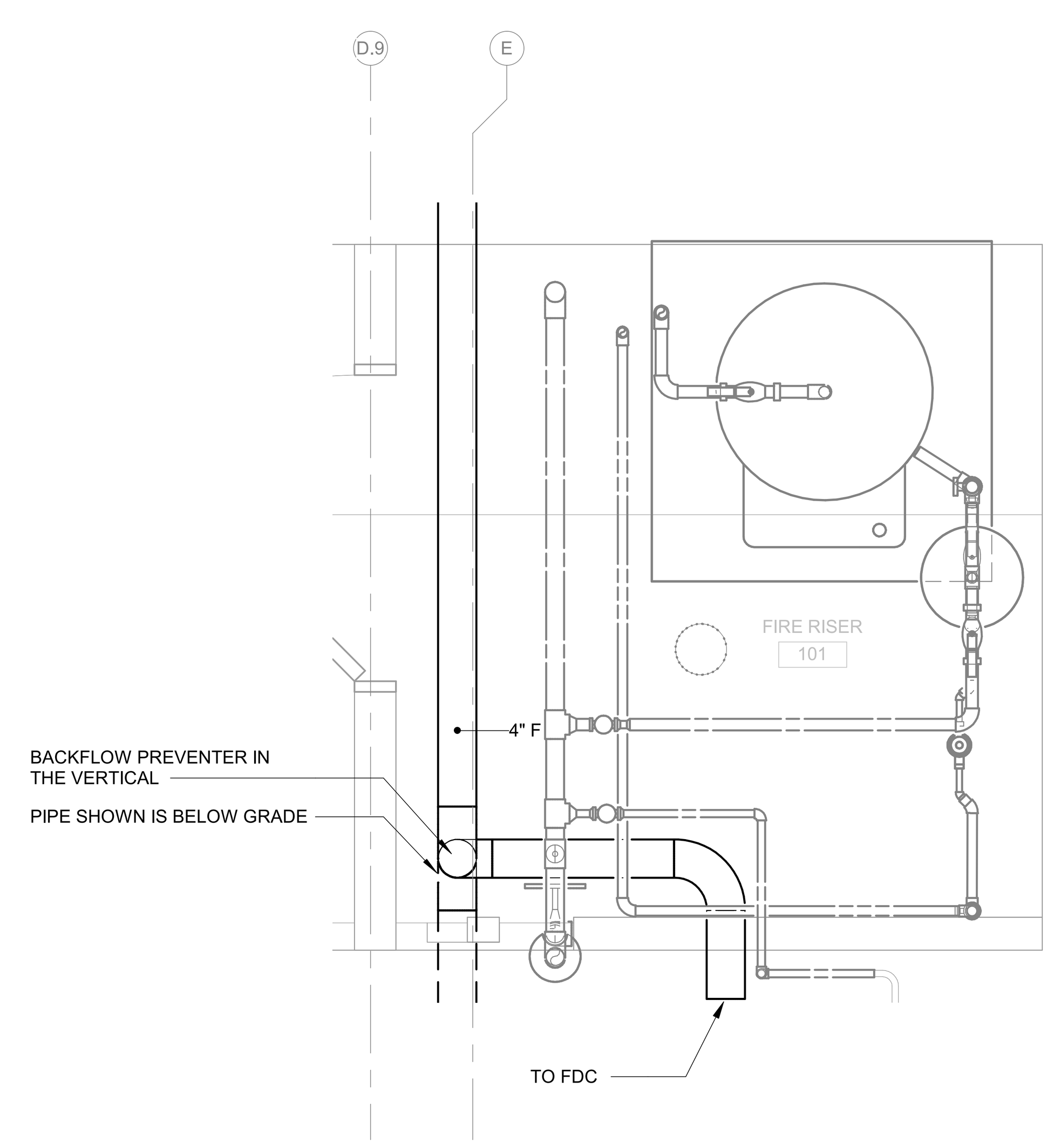
REFER TO ARCHITECTURAL
REFER TO ARCHITECTURAL



1 F001 **TOWN HALL- INCOMING FIRE SERVICE**
SCALE: N.T.S.



2 F001 **FIRE STATION - FIRE RISER DIAGRAM**
SCALE: N.T.S.



3 F001 **TOWN HALL - FIRE PROTECTION ENLARGED PLAN**
SCALE: 3/4" = 1'-0"

GRAPHIC SCALE
1.5 0.75 0 1.5 3
SCALE: 3/4" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA REGISTERED ENGINEERS — RMF ENGINEERING INC. CHARLESTON, SC C-00831
SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36136 RAQUEL DESCHLER 1/9/25
SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

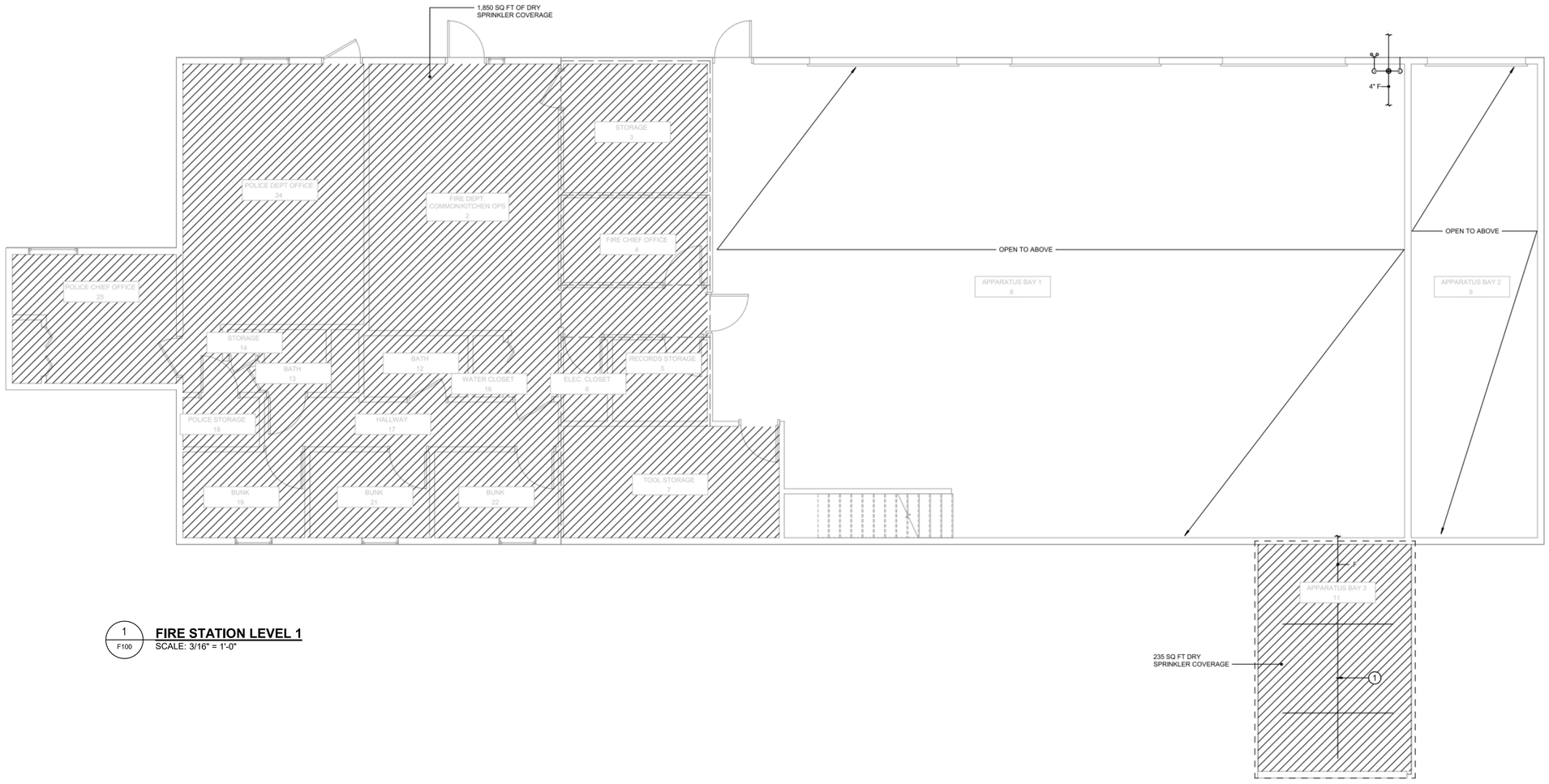
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

FIRE PROTECTION NOTES, SYMBOLS AND ABBREVIATIONS
SHEET NAME

PROJECT NUMBER 321261.B0
DRAWN BY PJH
CHECKED BY RD
DATE 12/16/2024
SCALE As indicated

F001

1/9/2025 9:26:31 PM



1 / F100 **FIRE STATION LEVEL 1**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
1/9/25
No. 36136
RAQUEL DESCHLER

SEALS

GENERAL NOTES

1. CONTRACTOR SHALL PRODUCE A COMPLETE SET OF WORKING PLANS IN ACCORDANCE WITH NFPA 13. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED PER THE DESIGN CRITERIA SPECIFIED. ALL PLANS AND CALCULATIONS SHALL BE STAMPED BY THE CONTRACTOR'S REGISTERED ENGINEER AND SHALL BE SUBMITTED TO THE STATE FIRE MARSHALL FOR APPROVAL. TWO COMPLETE SUBMISSIONS ARE REQUIRED, ONE FOR EACH FACILITY.

RMF ENGINEERING, INC.
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RMF PROJECT NO: 321261.B0

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Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

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CHARLESTON, SC 29412
843.577.6073

FIRE STATION LEVEL 1

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	RD
DATE	12/16/2024
SCALE	3/16" = 1'-0"

F100

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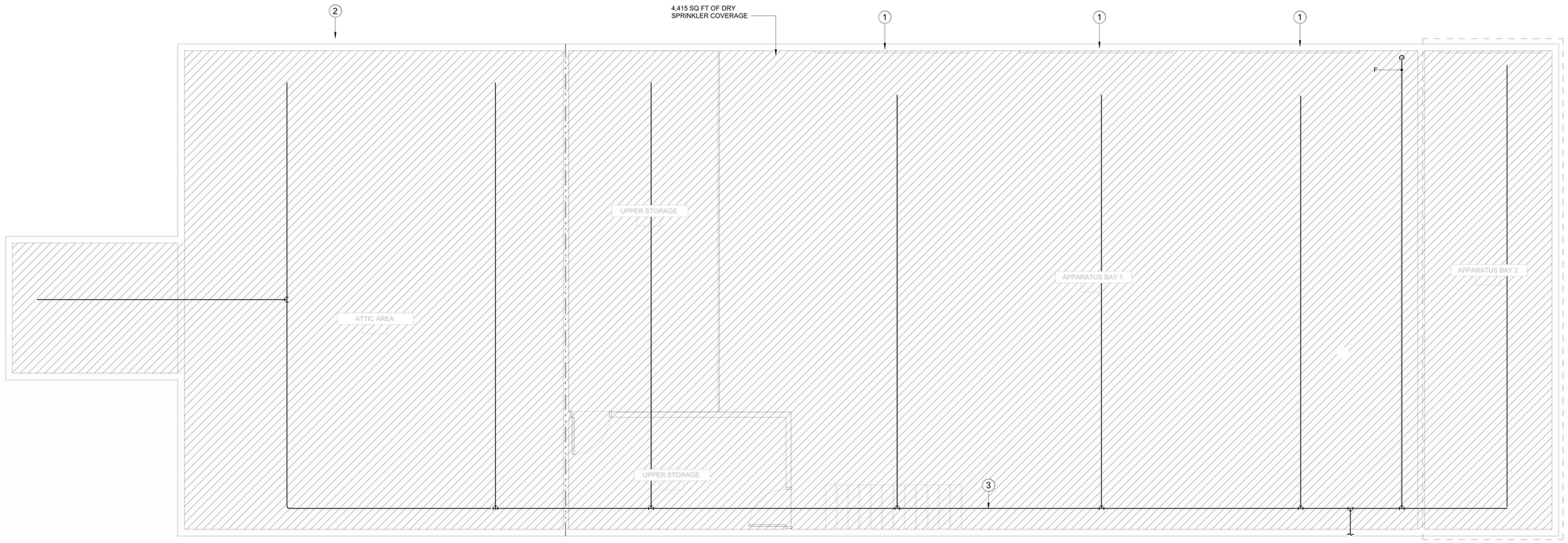

1 F101 **FIRE STATION LEVEL 2**
SCALE: 1/4" = 1'-0"

GRAPHIC SCALE
4 2 0 4 8
SCALE: 1/4" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC. CHARLESTON, SC C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
1/9/25
No. 36136
RAQUEL DESCHLER

SEALS

GENERAL NOTES

1. CONTRACTOR SHALL PRODUCE A COMPLETE SET OF WORKING PLANS IN ACCORDANCE WITH NFPA 13. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED PER THE DESIGN CRITERIA SPECIFIED. ALL PLANS AND CALCULATIONS SHALL BE STAMPED BY THE CONTRACTOR'S REGISTERED ENGINEER AND SHALL BE SUBMITTED TO THE STATE FIRE MARSHALL FOR APPROVAL. TWO COMPLETE SUBMISSIONS ARE REQUIRED, ONE FOR EACH FACILITY.

RMF ENGINEERING, INC.
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RMF PROJECT NO: 321261.B0

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Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

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CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
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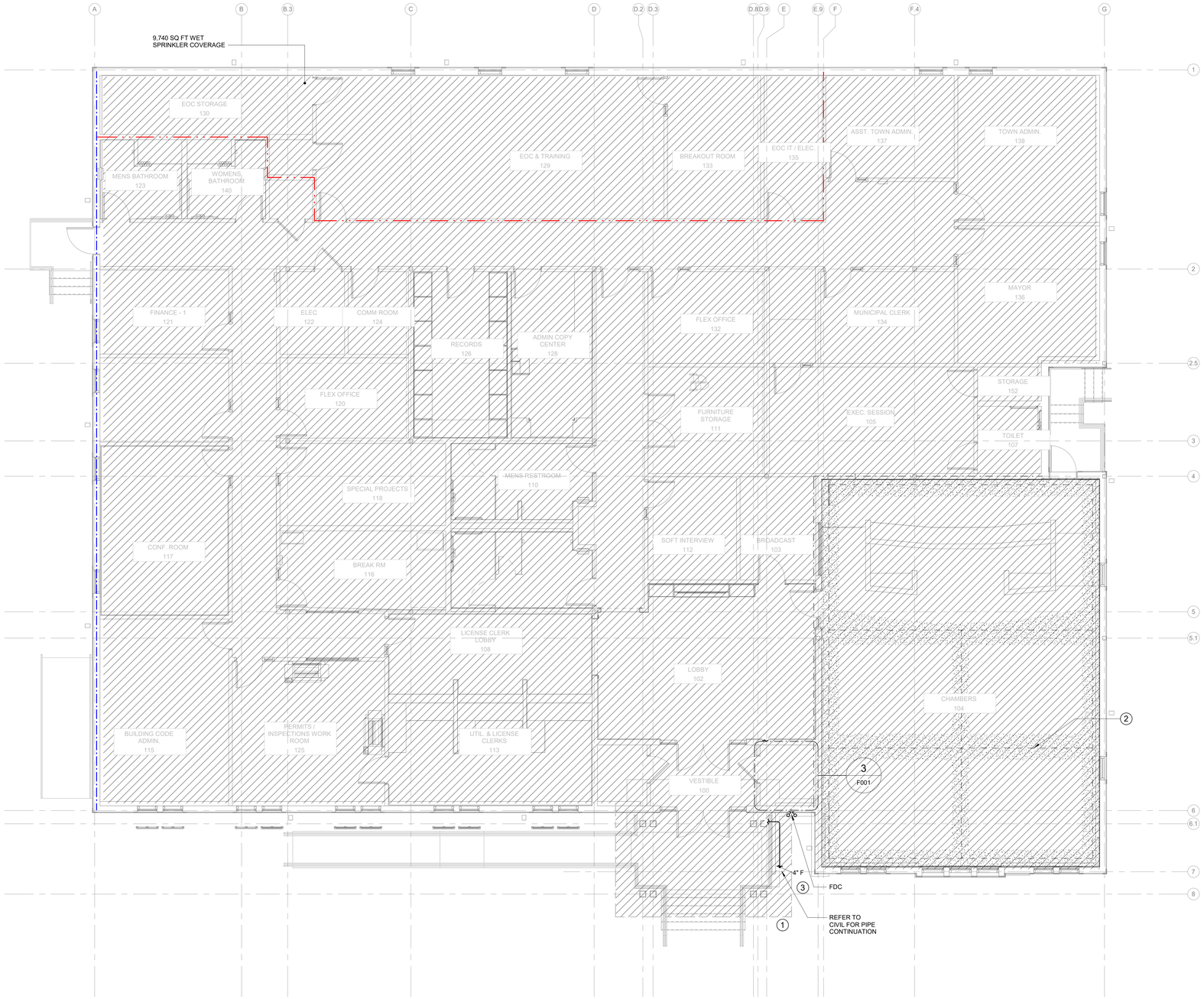
843.577.6073

SHEET NAME: **FIRE STATION LEVEL 2**

PROJECT NUMBER	321261.B0
DRAWN BY	Author
CHECKED BY	Approver
DATE	12/16/2024
SCALE	1/4" = 1'-0"

F101

1/9/2025 9:26:35 PM



1 / F201 **1ST FLOOR FIRE PROTECTION PLAN**
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE
6 3 0 6 12
SCALE: 3/16" = 1'-0"
UNIT OF MEASURE: FEET

STATE OF SOUTH CAROLINA
RMF ENGINEERING, INC.
CHARLESTON, SC
C-00831
REGISTERED ENGINEERS

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
1/9/25
No. 36136
RAQUEL DESCHLER

SEALS

GENERAL NOTES

1. CONTRACTOR SHALL PRODUCE A COMPLETE SET OF WORKING PLANS IN ACCORDANCE WITH NFPA 13. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED PER THE DESIGN CRITERIA SPECIFIED. ALL PLANS AND CALCULATIONS SHALL BE STAMPED BY THE CONTRACTOR'S REGISTERED ENGINEER AND SHALL BE SUBMITTED TO THE STATE FIRE MARSHALL FOR APPROVAL. TWO COMPLETE SUBMISSIONS ARE REQUIRED, ONE FOR EACH FACILITY.

DRAWING NOTES

1. COVERAGE SHALL BE PROVIDED BY EXTENDED THROW, DRY-SIDEWALL HEADS TO SERVE THE COVERED ENTRANCE AREA.
2. FIRE LINES SHALL BE ROUTED WITHIN THE SOFFIT AREA SHOWN BY THE DASHED LINES. SPRINKLER HEADS SHALL BE MOUNTED TO SOFFIT FACE. REFER TO ARCHITECTURAL FOR EXACT LOCATION AVAILABLE AND CEILING HEIGHTS.
3. PIPE SHOWN OUTSIDE OF BUILDING FOOTPRINT IS BELOW GRADE

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RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

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EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

TOWN HALL FIRE PROTECTION PLAN

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	3/16" = 1'-0"

F201

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THROUGH PENETRATION FIRESTOP SCHEDULE

A. THIS SCHEDULE IDENTIFIES REQUIREMENTS FOR ACCEPTABLE THROUGH PENETRATION FIRESTOPS FOR THIS PROJECT BASED ON BARRIER TYPE, BASIS OF BARRIER CONSTRUCTION, AND PENETRANT TYPE.

B. THROUGH PENETRATION FIRESTOPS ARE NOT REQUIRED FOR FLOOR PENETRATIONS CONTAINED TOTALLY WITHIN A RATED SHAFT ENCLOSURE.

C. FOR EACH PENETRATION, SELECT A THROUGH PENETRATION FIRESTOP BASED ON ACTUAL FIELD CONDITIONS, WHICH INCLUDE BUT ARE NOT LIMITED TO PENETRATION SIZE, PENETRATION SHAPE, PENETRANT MATERIAL(S), QUANTITY OF PENTRANTS PER PENETRATION, AND LOCATION(S) OF PENETRANT(S) WITHIN PENETRATION.

D. NOMENCLATURE OF UL CLASSIFIED FIRESTOP ASSEMBLIES USED IN THIS SCHEDULE IS IDENTICAL TO THAT USED IN CATALOGS OF APPROVED FIRESTOP MANUFACTURERS (SEE DIVISION 15) AND IN UNDERWRITERS LABORATORIES "FIRE RESISTANCE DIRECTORY."

RATED BARRIER				PENETRANT TYPE					
TYPE	BASIS OF CONSTRUCTION	FIRESTOP ASSEMBLY REQUIREMENTS		NO PENETRANTS	METALLIC, UNINSULATED PIPE OR TUBING (EX COPPER, IRON, STEEL)	NONMETALLIC, UNINSULATED PIPE OR TUBING (EX PVC, PP, FRPP)	INSULATED PIPES (EX COPPER, IRON, PLASTIC, STEEL) IN SYSTEMS OPERATING BETWEEN 32°F AND 122°F	INSULATED PIPES (EX COPPER, IRON, PLASTIC, STEEL) IN SYSTEMS OPERATING BELOW 32°F AND 122°F	METAL DUCT (NOTE 1)
WALL	METAL STUDS & GYPSUM WALLBOARD (U400 SERIES)	UL CLASSIFIED SERIES	SINGLE PENETRANT	W-L-0000 SERIES OR NOTE 2	W-L-1000 SERIES	W-L-2000 SERIES	W-L-5000 SERIES	W-L-5000 SERIES	W-L-7000 SERIES
			MULTIPLE PENETRANTS		W-L-8000 SERIES (NOTE 3)		W-L-8000 SERIES (NOTE 3)	W-L-8000 SERIES (NOTE 3)	N/A
		F RATING		EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING
		T RATING		NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5
		EXCEPTIONS/ADDED REQUIREMENTS		NONE	NOTE 8	NOTE 8	NONE	NOTE 4	NONE
WALL	POURED CONCRETE, CONCRETE BLOCK OR MASONRY (BLOCK & U900 SERIES) (ANY THICKNESS)	UL CLASSIFIED SERIES	SINGLE PENETRANT	W-J-0000 SERIES OR NOTE 2	C-AJ-1000 OR W-J-1000 SERIES	C-AJ-2000 OR W-J-2000 SERIES	C-AJ-5000 OR W-J-5000 SERIES	C-AJ-5000 OR W-J-5000 SERIES	C-AJ-7000 OR W-J-7000 SERIES
			MULTIPLE PENETRANTS		C-AJ-8000 OR W-J-8000 SERIES (NOTE 3)		C-AJ-8000 OR W-J-8000 (NOTE 3)	C-AJ-8000 OR W-J-8000 (NOTE 3)	N/A
		F RATING		EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING	EQUAL TO WALL RATING
		T RATING		NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5	NOTE 5
		EXCEPTIONS/ ADDED REQUIREMENTS		NONE	NOTES 7 & 8	NOTE 8	NONE	NOTE 4	NONE
FLOOR	POURED CONCRETE (ANY THICKNESS)	UL CLASSIFIED SERIES	SINGLE PENETRANT	C-AJ-0000 SERIES F-A-0000 SERIES OR NOTE 2	C-AJ-1000 OR F-A-1000 SERIES	C-AJ-2000 OR F-A-2000 SERIES	C-AJ-5000 OR F-A-5000 SERIES	C-AJ-5000 OR F-A-5000 SERIES	C-AJ-7000 OR F-A-7000 SERIES
			MULTIPLE PENETRANTS		C-AJ-8000 OR F-A-8000 SERIES (NOTE 3)		C-AJ-8000 OR F-A-8000 SERIES	C-AJ-8000 OR F-A-8000 (NOTE 3)	N/A
		F RATING		EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR	EQUAL TO FLOOR RATING, BUT NOT LESS THAN 1 HR
		T RATING		NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6
		EXCEPTIONS/ ADDED REQUIREMENTS		NONE	NOTE 7	NONE	NONE	NOTE 4	NONE

NOTES:

1. THIS SCHEDULE'S DATA APPLY ONLY TO PENETRATIONS WITHOUT DAMPERS. FOR DAMPERED PENETRATIONS, REFER TO SPECIFICATIONS. AT DAMPERS, DO NOT APPLY MATERIAL THAT IS NOT INCLUDED IN THE DAMPER'S CLASSIFICATION.
2. SEAL OPENING USING BARRIER'S ORIGINAL CONSTRUCTION.
3. WHERE A SERIES 8000 CLASSIFIED SYSTEM IS NOT AVAILABLE, INSTALL PENETRANTS SINGLY, AND PROVIDE SINGLE-PENETRANT SYSTEMS.
4. FOR SYSTEMS THAT OPERATE BELOW 32°F OR ABOVE 122°F, COMPLY WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:
   A. PROVIDE TPFS SYSTEM USING INTUMESCENT ELASTOMERIC WRAP STRIP AS ITS FILL, VOID, OR CAVITY MATERIAL.
   B. DO NOT USE SERIES 8000 PENETRATIONS. PROVIDE ONLY SINGLE PENETRATIONS.
5. TEMPERATURE (T) RATINGS OF ASSEMBLIES IN WALLS MAY EQUAL ZERO.
6. TEMPERATURE (T) RATINGS OF ASSEMBLIES IN FLOORS SHALL EQUAL THE GREATER OF EITHER THE BARRIER RATING OR ONE HOUR EXCEPT AS FOLLOWS:
   A. AN ASSEMBLY'S T RATING MAY EQUAL ZERO WHEN THE PENETRANT ABOVE THE FLOOR PENETRATION IS CONTAINED AND LOCATED WITHING THE CAVITY OF A WALL.
7. CLASSIFIED TPFS ASSEMBLY IS NOT REQUIRED WHEN ALL THE FOLLOWING CONDITIONS ARE MET:
   A. PENETRANT HAS A MAXIMUM NOMINAL DIAMETER OF 6-INCHES.
   B. PENETRATION HAS A MAXIMUM AREA OF 144 SQUARE INCHES.
   C. ANNULAR SPACE IS COMPLETELY FILLED WITH CONCRETE, GROUT, OR MORTAR THE FULL THICKNESS OF THE BARRIER.

STATE OF SOUTH CAROLINA — RMF ENGINEERING, INC. CHARLESTON, SC C-00831 — REGISTERED ENGINEERS

SOUTH CAROLINA PROFESSIONAL ENGINEER — 1/9/25 — No. 36136 — RAQUEL DESCHLER

SEALS

RMF ENGINEERING, INC.
194 SEVEN FARMS DRIVE
SUITE G
CHARLESTON, SC 29492
P: 843-971-9639 F: 843-871-9641
RMF PROJECT NO: 321261.B0

REVISIONS		

Construction Documents

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

FIRE PROTECTION SCHEDULES

SHEET NAME

PROJECT NUMBER	321261.B0
DRAWN BY	PJH
CHECKED BY	ZJB
DATE	12/16/2024
SCALE	NONE

F301

1/9/2025 9:26:36 PM

TECHNOLOGY SYSTEMS SYMBOL LEGEND

BASIC MATERIALS

SYMBOL	DESCRIPTION
J	JUNCTION BOX
J	FLOOR MOUNTED JUNCTION BOX
J	PEDESTAL MOUNTED JUNCTION BOX
G	INGROUND PULL BOX
	CONDUIT CONCEALED
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDER FLOOR
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB
	CONDUIT CONTINUED
	FLEXIBLE CONDUIT
	GROUND OR GROUND ROD AS NOTED
	SLEEVE TURNING UP
	SLEEVE TURNING DOWN
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	CABLE TRAY FOR HORIZONTAL CABLING.
	LADDER TRAY FOR HORIZONTAL CABLING.
	PENETRATION CONDUIT SLEEVE WITH BUSHINGS.

BROADBAND TELEVISION SYSTEM

SYMBOL	DESCRIPTION
	2 PORT TAP
	4 PORT TAP
	6 PORT TAP
2.5	8 PORT TAP
	TERMINATION TAP
	2 WAY SPLITTER
	3 WAY SPLITTER
	4 WAY SPLITTER
T	AMPLIFIER
	DIRECTIONAL COUPLER

AUDIO/VIDEO SYSTEM

SYMBOL	DESCRIPTION
X x Y	OVERHEAD PROJECTOR WITH SCREEN, SCREEN SIZE SHOWN ON PLANS
X	OVERHEAD PROJECTOR - CEILING MOUNTED X - DENOTES TYPE
	CEILING MOUNTED DOCUMENT CAMERA
AV	AUDIO/VIDEO CAMERA
X x Y	PULLDOWN PROJECTION SCREEN, SIZE SPECIFIED ON PLANS
X x Y	MOTORIZED PROJECTION SCREEN, SIZE SPECIFIED ON PLANS
	OVERHEAD PROJECTION SCREEN MOTOR
Sx	WALL SWITCH FOR MOTORIZED SCREEN X = A, B, C... INTERFACE TYPE.
AV X	AUDIO VISUAL INPUT/OUTPUT - WALL MOUNTED WITH ADJACENT DEDICATED DUPLEX RECEPTACLE BYDIVISION 26 X = TYPE (A, B, C, ETC.) SEE DETAILS FOR ADDITIONAL INFORMATION
AV X	AUDIO VISUAL INPUT/OUTPUT -SURFACE OR FLOOR BOX MOUNTED WITH ADJACENT DEDICATED DUPLEX RECEPTACLE B'DIVISION 26 X = TYPE (A, B, C, ETC.) SEE DETAILS FOR ADDITIONAL INFORMATION
N TV XX"	N = FACEPLATE CONNECTIVITY AND MOUNTING TYPE, SEE DETAILS FOR INFORMATION (TYPE 1,2,3, ETC.) MONITOR SIZE IF APPLICABLE, SEE DETAILS FOR INFORMATION TELEVISION/MONITOR OUTLET, SEE DETAILS FOR MOUNTING HEIGHT
ALT	ASSISTED LISTENING TRANSMITTER
TS	TOUCH SCREEN AUDIO/VIDEO CONTROL
TS	WALL MOUNTED TOUCH SCREEN AUDIO/VIDEO CONTROL
SX Y	CEILING MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE
SX Y	WALL MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM
VC	VOLUME CONTROL, PROVIDE 3/4" CONDUIT STUB-UP ABOVE CEILING AND SINGLE STANDARD ELECTRICAL BOX AT 52" ABOVE FINISHED FLOOR
MX Y	CEILING MOUNTED MICROPHONE OUTLET x DENOTES TYPE y DENOTES ZONE
MX Y	WALL MOUNTED MICROPHONE x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM
MX Y	SURFACE MOUNTED MICROPHONE x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM
SD	SATELLITE DISH
PODIUM	SEE PODIUM DETAILS
PR	PRESS CONNECTION PANEL, SEE DETAILS FOR ADDITIONAL INFORMATION

NOTES:

1. ALL RACEWAYS AND BOXES SHOWN ARE IN CONTRACT BY THE ELECTRICAL INSTALLER.
2. AUDIO/VIDEO DEVICES AND EQUIPMENT BY THE AUDIO/VIDEO INSTALLER.

INTERCOM & PAGING SYSTEM

SYMBOL	DESCRIPTION
AP	ADMINISTRATIVE PHONE
HS	HANDSET
CS	CALL STATION
SX Y	CEILING MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE
SX Y	WALL MOUNTED SPEAKER x DENOTES TYPE y DENOTES ZONE NO ZONE DENOTES LOCAL AUDIO/VIDEO SYSTEM

VOICE & DATA SYSTEM

SYMBOL	DESCRIPTION
C X N N N	MOUNTING 2" ABOVE COUNTER OR BACK SPLASH X = MOUNTING (F)LUSH, (S)URFACE, (M)ODULAR FURNITURE ADAPTER (P)OLE, (R)ACEWAY, (D)OUBLE GANG FLUSH, (PD) PEDESTAL N = # OF VOICE/DATA JACKS N = # OF COAX CONNECTORS "F" TYPE CONNECTOR N = # OF FIBER OPTIC CONNECTORS, SC, ST, LC COMMUNICATIONS "INFORMATION OUTLET" MOUNTED AT RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED, MODULE AND FACEPLATE DESCRIPTIONS ON DETAIL SHEETS
W F1	WALL TELEPHONE OUTLET FOR HOUSE PHONE, MOUNTED AT 52" ABOVE FINISHED FLOOR TO TOP.
W ADA	WALL MOUNTED OUTLET FOR ADA ACCESSABLE PAY PHONE. MOUNTED AT 44" ABOVE FINISHED FLOOR
CN	SECURITY CAMERA NETWORK OUTLET. COORDINATE EXACT LOCATION OF OUTLET WITH OWNER PRIOR TO ROUGH IN. N = # OF DATA JACKS. MAXIMUM CABLE LENGTH 262 FT
WAP XON	WIRELESS ACCESS POINT OUTLET. ACCESS POINT BY OWNER. X = MOUNTING (F)LUSH, (S)URFACE, (C)EILING. N = # OF DATA JACKS. MAXIMUM CABLE LENGTH 262 FT
S1 ELV	WALL TELEPHONE OUTLET FOR TELEPHONE IN ELEVATOR MACHINE ROOM. (S)URFACE MOUNTED AT 52" ABOVE FINISHED FLOOR.
XNNN	COMBINED VOICE/DATA, AUDIO/VIDEO AND POWER OUTLETS IN FLOOR BOX. POWER RECEPTACLE IS SHOWN FOR REFERENCE ONLY, CONDUIT, BOX AND POWER RECEPTACLE DIVISION 26.;Y
TB XNNN	X = A, B, C... FLOOR BOX TYPE. N'S ARE DESCRIBED ABOVE. TABLE TOP POP-UP WITH VOICE/DATA, AUDIO/VIDEO AND POWER INTERFACE. X = A, B, C... FLOOR BOX TYPE. N'S ARE DESCRIBED ABOVE.
P XNNN	POKE THRU WITH COMBINED VOICE/DATA, AUDIO/VIDEO AND POWER. X = A, B, C... FLOOR BOX TYPE. N'S ARE DESCRIBED ABOVE.
	3/4" PLYWOOD BACKBOARD. B'DIVISION 26
	IDF - 2 POST RACK
	IDF - 4 POST RACK
	TELECOMM PANEL

TEF: TELECOMMUNICATIONS ENTRANCE FACILITY

TR: TELECOMMUNICATIONS ROOM

TER: TELECOMMUNICATIONS EQUIPMENT ROOM

NOTES:

1. STRUCTURED CABLING SYSTEM BY DIVISION 27 CABLING INSTALLER.
2. ALL CABLE TRAY, CONDUITS AND BOXES SHOWN ARE IN CONTRACT BY THE ELECTRICAL INSTALLER. J-HOOKS AND LADDER RACKS BY SCS INSTALLER.

SECURITY SYSTEM

SYMBOL	DESCRIPTION
	FIXED CCTV CAMERA, PROVIDE CAT6A CABLE, FACEPLATE, AND DOUBLE GANG JUNCTION BOX AND CONDUIT TO EQUIPMENT ROOM 104. CAMERA AND MOUNT BY OWNER. INDICATES WALL MOUNT
	PAN/TILT/ZOOM CCTV CAMERA,, PROVIDE CAT6A CABLE, FACEPLATE, AND DOUBLE GANG JUNCTION BOX AND CONDUIT TO EQUIPMENT ROOM 104. CAMERA AND MOUNT BY OWNER. INDICATES WALL MOUNT
	SECURITY PANEL
DPS	DOOR POSITION SWITCH
BMS	BALANCED MAGNETIC SWITCH
CR	CARD READER
KP	KEYPAD
CK	COMBINED CARD READER/KEYPAD
HS	HIRSH SCRAMBLE KEYPAD
IK	INTRUSION ALARM KEYPAD
BR	BIOMETRIC READER
SA	LOCAL HORN STROBE ALARM
EL	ELECTRIC LATCH
EM	ELECTRIC MORTISE/TRIM LOCK
ES	ELECTRIC STRIKE
ML	MAGNETIC LOCK
PE	POWER OVER ETHERNET CARDREADER/LOCK COMBO
DE	DELAYED EGRESS
DL	DETENTION LOCK
DI	DOOR INTERLOCK
	REMOTE DOOR RELEASE BUTTON
	REX OR ADA DOOR OPEN BUTTON
AS	ASSISTANCE STATION
IS	INTERCOM SUBSTATION
SP	SPEAKER PHONE
D	DURESS BUTTON MOUNTED UNDERSIDE OF COUNTER
D	DURESS BUTTON WALL MOUNTED
MON	CCTV MONITOR
P	PHOTO ELECTRIC BEAM
MI	INTERCOM MASTER STATION
M	DIRECTIONAL MOTION DETECTOR
	360° MOTION DETECTOR
G	GLASS BREAK SENSOR
R	REQUEST TO EXIT MOTION SENSOR
I	DETENTION DOOR INTERLOCK
X	ASSOCIATED DOOR DETAIL REFERENCE
PC	PERSONAL COMPUTER WORKSTATION
CP	SECURITY CAMERA EXTERIOR POLE

NOTES:

1. ALL RACEWAYS AND BOXES SHOWN ARE IN CONTRACT BY THE ELECTRICAL INSTALLER.
2. SECURITY DEVICES AND EQUIPMENT BY DIVISION 27 SECURITY INSTALLER.

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

GENERAL NOTES

GENERAL SYSTEM NOTES

1. PRODUCTS SHALL BE OF MATERIALS THAT ARE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.
2. WORKING CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL BE MAINTAINED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110. COORDINATE EQUIPMENT INSTALLATION TO MAINTAIN REQUIRED CLEARANCES.
3. IF AN OUTLET BOX IS REQUIRED TO BE LOCATED IN AN ASSEMBLY OR PARTITION RATED AS "FIRE/SMOKE" OR "SMOKE" OR IDENTIFIED AS EITHER "FIRE/SMOKE" OR "SMOKE", THEN ALL OF THE FOLLOWING CONDITIONS SHALL BE MET:
   A. THE OUTLET BOX SHALL BE METALLIC.
   B. THE OUTLET BOX OPENINGS SHALL OCCUR ONLY ON ONE SIDE OF THE FRAMING SPACE.
   C. THE OUTLET BOX OPENINGS SHALL NOT EXCEED 16 SQUARE INCHES.
   D. ALL CLEARANCES BETWEEN THE OUTLET BOX AND THE WALL BOARD MATERIAL SHALL BE COMPLETELY SEALED WITH APPROVED MATERIALS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS FOR THE PROJECT.
   E. PROVIDE A SUPPLEMENTAL BARRIER AROUND OUTLETS LARGER THAN 16 INCHES SO THAT THE ORIGINAL RATING OF THE PENETRATION IS MAINTAINED.
   F. THE TOTAL AGGREGATE SURFACE AREA OF THE OUTLET BOX SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET.
   G. THE OUTLET BOX SHALL BE SEPARATED FROM OPENINGS ON THE OPPOSITE SIDE OF THE RATED PARTITION BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
   H. THE OUTLET BOX SHALL BE SECURELY FASTENED TO A PARTITION FRAMING MEMBER BY MEANS OF AN APPROVED ATTACHMENT
   I. OPENINGS CUT INTO THE WALL BOARD MATERIAL SHALL NOT EXCEED 1/8 INCH BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES OF THE OPENING.
4. LOCATIONS OF EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT EQUIPMENT LOCATION AND CONNECTION REQUIREMENTS WITH THE APPROPRIATE TRADE PRIOR TO
5. FOR EXACT LOCATION OF CEILING MOUNTED EQUIPMENT REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS OF EQUIPMENT NOT INCLUDED ON THE REFLECTED CEILING PLAN SHALL BE COORDINATED WITH THOSE ITEMS SHOWN. COORDINATION OF CEILING MOUNTED EQUIPMENT SHALL BE PRIOR TO ANY ROUGH-IN. NOTIFY ENGINEER OF ANY
6. PROVIDE FINAL CONNECTIONS TO OWNER PROVIDED EQUIPMENT WHERE INDICATED ON THE PLAN DRAWINGS.
7. PRIOR TO ROUGH-IN AND INSTALLATION OF ANY FLOOR MOUNTED DEVICE, VERIFY LOCATION WITH THE OWNER AND ARCHITECT.
8. VERIFY AND COORDINATE THE LOCATION OF REQUIREDIVISION 27 OUTLETS WITH OTHER TRADE DRAWINGS AND OWNER PROVIDED EQUIPMENT.
9. EACH TELEVISION OUTLET LOCATION SHOWN, SHALL HAVE A DOUBLE GANG OUTLET BOX WITH A SINGLE GANG PLASTER RING AND (1) 1" CONDUIT STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE FINISHED CEILING OR TO AN ACCESSIBLE CABLE TRAY WHERE PROVIDED.
10. THE DESIGNATION "N.I.C." SHALL DENOTE ITEMS, WHICH ARE "NOT IN CONTRACT".
11. THE DESIGNATION "U.S.C." SHALL DENOTE ITEMS, WHICH ARE "UNDER SEPARATE CONTRACT".
12. THE DESIGNATION "F.B.O." SHALL DENOTE ITEMS, WHICH ARE "FURNISHED BY OTHERS".
13. THE DESIGNATION "O.F.E." SHALL DENOTE ITEMS, WHICH ARE "OWNER FURNISHED EQUIPMENT".
14. THE DESIGNATION "D.H.C." SHALL DENOTE "DOOR HARDWARE INSTALLER".
15. THE DESIGNATION "O.F.C.I." SHALL DENOTE ITEMS WHICH ARE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
16. ALL RACEWAY SYSTEMS SHOWN TO SUPPORT THE INSTALLATION OF THE DIVISION 17 EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL INSTALLER. PROVIDE COORDINATION FOR THE INSTALLATION OF THIS BE PROVIDED BY THE ELECTRICAL INSTALLER.
17. THE SYMBOL LEGENDS SHOWN ON THIS SHEET ARE ALL INCLUSIVE. SYMBOLS INCLUDED IN THE LEGENDS MAY OR MAY NOT BE USED IN THESE PROJECT DRAWINGS.
18. EACH VOICE/DATA OUTLET LOCATION SHOWN, SHALL HAVE A DOUBLE GANG OUTLET BOX WITH A SINGLE GANG PLASTER RING AND (1) 1" CONDUIT STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE FINISHED CEILING, TO AN ACCESSIBLE CABLE TRAY WHERE PROVIDED OR HOMERUN IN SLAB TO NEAREST COMMUNICATIONS ROOM. WORK BY ELECTRIDIVISION 27LER PER
19. EACH FLOOR MOUNTED VOICE/DATA OUTLET SHALL HAVE A SINGLE GANG SPACE WITHIN THE FLOOR BOX AND (1) 1" CONDUIT CONCEALED IN SLAB STUBBED UP TO AN ACCESSIBLE LOCATION ABOVE THE FINISHED CEILING OR TO AN ACCESSIBLE CABLE TRAY WHERE PROVIDED. WORK BY ELECTRICAL INSTALDIVISION 27 SPECIFICATIONS.
20. ALL BONDING AND GROUNDING ELEMENTS UTILIZED FOR STRUCTURED CABLING SYSTEM SHALL BE IN COMPLIANCE WITHDIVISION 27 SPECIFICATIONS.
21. PROVIDE ALL SLEEVES AS REQUIRED FOR ALL LOW VOLTAGE CABLE PATHWAYS. RESTORE THE FIRE RATING OF THE SURFACE.
22. ALL CABLES SHALL BE SUITABLE TO THE ENVIRONMENT TO WHERE THEY WILL BE INSTALLED.
23. ALL INDOOR CONDUITS N0 LARGER THAN 1" SHOWN ON THE GROUND FLOOR SHALL BE INSTALLED EMBEDDED IN THE SLAB. CONDUITS SHALL BE KEPT DRY AND CLEAN PRIOR TO PULLING CABLES.
24. ANYTHING NOT DESIGNATED AS ROUGH-IN AND SUPPORT RESPONSIBILITY ON THESE DRAWINGS IS IN THE SYSTEM INSTALLER SCOPE OF WORK.
25. SEE DETAIL SHEETS FOR DEVICE MOUNTING REQUIREMENTS AND ADDITIONAL INFORMATION.
26. IN ELECTRICAL AND MECHANICAL ROOMS, CONDUIT FOR LOW VOLTAGE OUTLETS SHALL BE EXTENDED TO ACCESSIBLE CEILING OUTSIDE OF THE ROOM.

AV LAN NOTES
AV LAN REQUIRES THE FOLLOWING TO SUPPORT THE AV OVER IP VIDEO DISTRIBUTION SYSTEM:
- 1 GIGABIT PORT FOR EVERY CONNECTED AV ENDPOINT
- NON-BLOCKING BACKPLANE
- LAYER 2 OR 3
- IGMPV2 IMPLEMENTED

NETWORK SWITCHES SUPPORTING THE AV LAN MUST HAVE THE FOLLOWING SETTINGS:
- IGMPV2 SNOOPING ENABLED
- IGMPV2 QUERIER ENABLED
- FAST-LEAVE ENABLED (ALSO KNOWN AS IMMEDIATE-LEAVE)

IF THE AV OVER IP VIDEO TRAFFIC WILL TRAVERSEINTER-SWITCH UPLINKS:
- THE UPLINKS MUST HAVE SUFFICIENT BANDWIDTH FOR ALL ENCODERS ANDDECODERS ON THE SWITCH. ALLOCATE 1 GIGABIT PER ENCODER OR DECODERATTACHED TO THE SWITCH.
- UPLINKS MUST BE PROPERLY CONFIGURED TO SUPPORT MULTICAST TRAFFIC

SECURITY SYSTEM NOTES

1. ALL DOUBLE DOORS ARE TO RECEIVE (1) DOOR POSITION SWITCH ON EACH DOOR LEAF AND SHALL REPORT AS ONE ALARM POINT.
2. ALL 120V POWER WIRING SHALL BE INSTALLED IN A SEPARATE CONDUIT.
3. FIBER CCTV LOCATION WHICH EXCEEDS 3000 FEET SHALL BE EQUIPPED WITH 2 FIBER CONNECTIONS 1 VIDEO, 1 DATA
4. ALL POWER CIRCUITS, 120VAC AND 24VAC, SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR WHICH IS EQUAL IN SIZE TO THE PHASE AND NEUTRAL CONDUCTORS.
5. ALL CONDUIT ABOVE GRADE SHALL BE METALLIC, ALL CONDUIT BELOW GRADE SHALL BE PVC UNLESS OTHERWISE NOTED ON DRAWINGS.
6. ALL CARD READERS AND KEYPADS DEDICATED FOR ELEVATOR FLOOR SELECTION CONTROL ARE SHOWN INSIDE THE ELEVATOR CAB ON THE LOWEST LEVEL FLOOR PLAN TO WHICH THE ELEVATOR TRAVELS.
7. ALL CONDUIT, WIRING, AND ASSOCIATED BACK BOXES SHALL BE FULLY CONCEALED WITHIN WALLS, FLOORS, AND CEILINGS.
8. INSTALLATION OFCAT6 UTP CABLE SHALL BE IN ACCORDANCE WITH EIA/TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE INSTALLER.
   A. THE MAXIMUM PULLING TENSION SHALL NOT EXCEED 25 POUNDS TO AVOID STRETCHING THE CONDUCTORS.
   B. THE MINIMUM BENDING RADIUS OF THE CABLE SHALL NOT BE LESS THAN 4X THE OUTSIDE DIAMETER OF THE CABLE.
   C. THE CABLE SHALL BE INSTALLED WITHOUT KINKS OR TWISTS AND THE APPLICATION OF CABLE TIES SHALL NOT DEFORM THE CABLE BUNDLE.
   D. STRIP BACK ONLY AS MUCH CABLE JACKET AS IS REQUIRED TO TERMINATE THE CABLE. CABLE PAIRS SHALL NOT BE UNTWISTED MORE THAN 1/2 INCH.
9. INSTALLATION OF FIBER OPTIC CABLES SHALL BE IN ACCORDANCE WITH EIA/TIA GUIDELINES. CABLE INSTALLATION AND TERMINATIONS THAT DO NOT COMPLY SHALL BE REPLACED BY THE INSTALLER.
   A. THE BEND RADIUS FOR INTRABUILDING 2 AND 4-FIBER HORIZONTAL OPTICAL FIBER CABLE SHALL NOT BE LESS THAN 1 INCH UNDER NO-LOAD CONDITIONS. WHEN UNDER A MAXIMUM TENSILE LOAD OF 50 LBF. THE BEND RADIUS SHALL NOT BE LESS
   B. THE BEND RADIUS FOR INTRABUILDING OPTICAL FIBER BACKBONE SHALL NOT BE LESS THAN THAT RECOMMENDED BY THE MANUFACTURER IF NO RECOMMENDATION IS KNOWN, THEN THE APPLIED BEND RADIUS SHALL NOT BE LESS THAN 10 TIMES THE CABLE OUTSIDE DIAMETER UNDER NO-LOAD CONDITIONS AND NOT LESS THAN 15 TIMES THE CABLE OUTSIDE DIAMETER WHEN THE CABLE IS UNDER TENSILE
   C. THE BEND RADIUS FOR INTER BUILDING (OSP) OPTICAL FIBER BACKBONE SHALL NOT BE LESS THAN THAT RECOMMENDED BY THE MANUFACTURER IF NO RECOMMENDATION IS KNOWN, THEN THE APPLIED BEND RADIUS SHALL NOT BE LESS THAN 10 TIMES THE CABLE OUTSIDE DIAMETER NO-LOAD CONDITIONS AND NOT LESS THAN 20 TIMES THE CABLE OUTSIDE DIAMETER WHEN THE CABLE IS UNDER A TENSILE LOAD UP TO THE RATING OF THE CABLE, USUALLY 600 LBF.
10. COORDINATE LOCATION OF ALL FIRE RATED PENETRATIONS PRIOR TO PROCEEDING WITH INSTALLATION. ALL PENETRATIONS THROUGH FIRE RATED BARRIERS SHALL BE COMPLETELY SEALED WITH APPROPRIATE FIRE STOP MATERIAL IN ACCORDANCE WITH NFPA AND FIRE AUTHORITY HAVING JURISDICTION.
11. ALL DELAYED EGRESS LOCKS AND MAGNETIC LOCKS, SHALL RECEIVE A FIRE ALARM RELAY TO RELEASE THE DOOR UPON ALARM AS REQUIRED BY CODE.

TECHNOLOGY SHEET INDEX

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:03-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

REVISIONS

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

LEGEND, GENERAL NOTES, AND SHEET INDEX

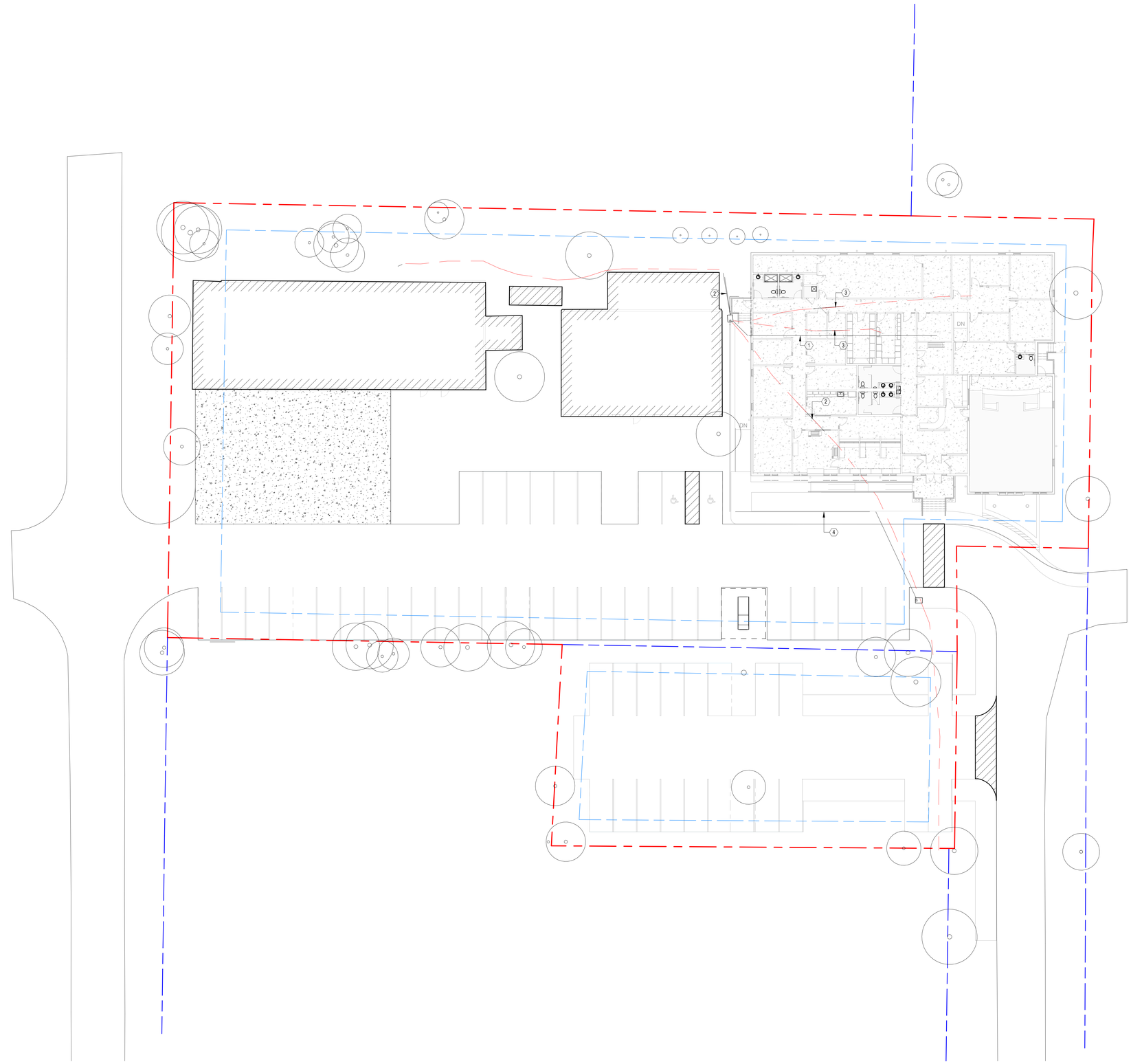
SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	

T001

12/16/2024 11:43:06 AM

wired engineering
Technology Consulting



1 SITE PLAN - TECHNOLOGY
1/16" = 1'-0"

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:08-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

1. PROVIDE (1) 4" CONDUIT FOR TELECOMMUNICATIONS SERVICE CABLING. CONFIRM SERVICE POINT OF PRESENCE PRIOR TO INSTALLATION.
2. EXISTING TELECOMMUNICATIONS SITE INFRASTRUCTURE TO BE PROTECTED DURING CONSTRUCTION. REFER TO CIVIL PLANS FOR EXISTING UTILITY PLAN FOR UTILITY LOCATIONS AND VERIFY ON SITE.
3. EXISTING TELECOMMUNICATIONS SERVICE CONDUITS SHALL BE REMOVED UPON DEMOLITION OF EXISTING STRUCTURES. COORDINATE WITH TELECOMMUNICATIONS SERVICE PROVIDER FOR REMOVAL OF EXISTING CABLING TO EXISTING COMMUNICATIONS PULL BOX.
4. PROVIDE (1) 4" CONDUIT FOR TELECOMMUNICATIONS INFRASTRUCTURE (BY-PASS). COORDINATE EXACT PATHWAY REQUIREMENTS WITH TELECOMMUNICATIONS SERVICE PROVIDER PRIOR TO ROUGH-IN.

REVISIONS		

CONSTRUCTION DOCUMENTS

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EDISTO BEACH, SC 29438

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CHARLESTON, SC 29412
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TECHNOLOGY SITE PLAN - TECHNOLOGY

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	1/16" = 1'-0"

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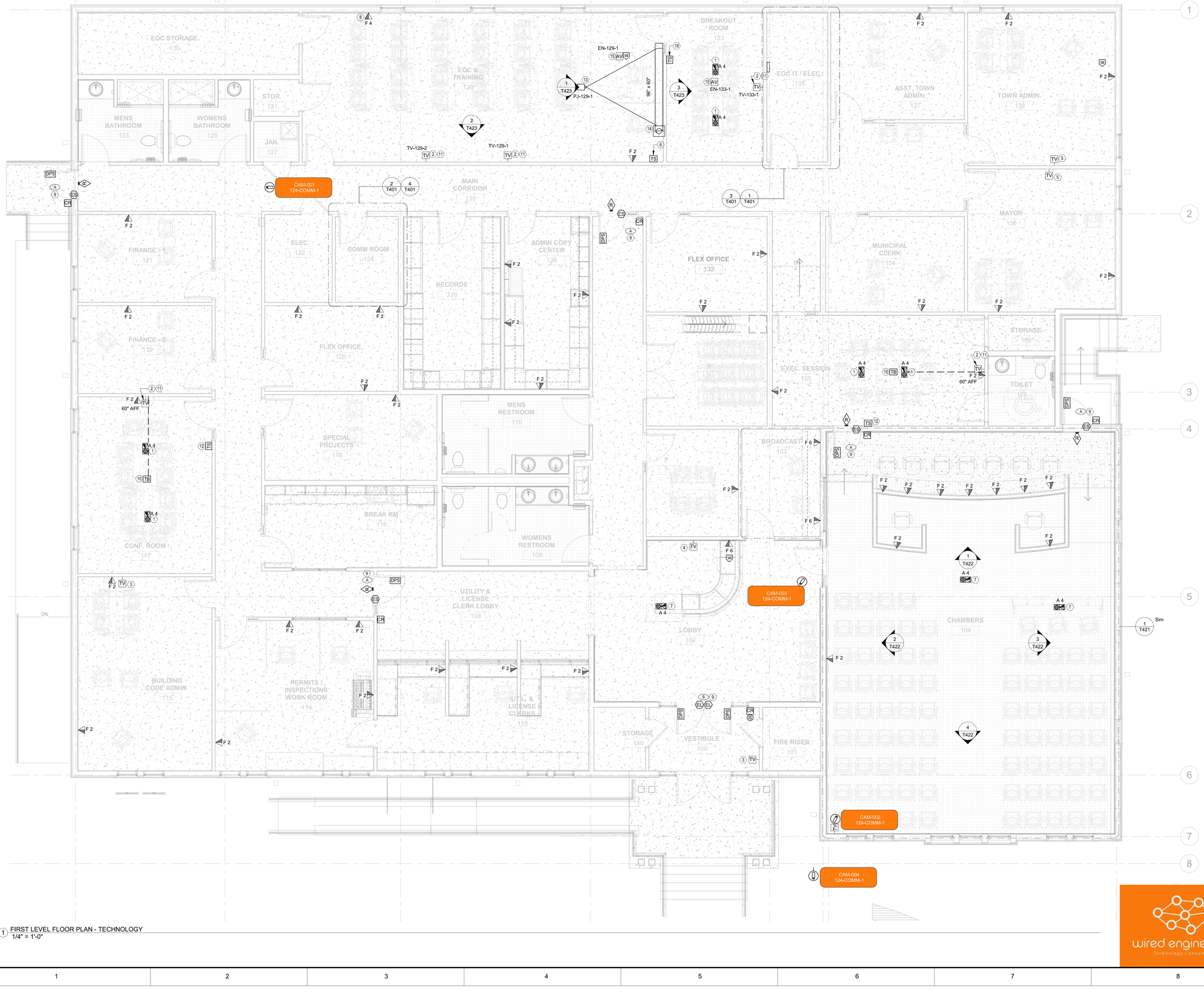

1 FIRST LEVEL FLOOR PLAN - TECHNOLOGY
1/4" = 1'-0"

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:12-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

1. PROVIDE POWER/DATA/AV FLOOR BOX. DESIGN SELECTION WIREMOLD EVOLUTIONS SERIES EFB6S WITH REQUIRED GANG PLATES. PROVIDE (1) 1" CONDUIT FOR COMMUNICATIONS, (1) 1-1/2" CONDUIT FOR AUDIO/VIDEO AND (1) 3/4" CONDUIT FOR POWER.
2. PROVIDE 75" WALL MOUNTED DISPLAY (SAMSUNG QM75C OR EQUIVALENT) WITH APPROPRIATELY SIZED PULL OUT MOUNT (PEERLESS STS650 OR APPROVED EQUAL). SEE AV RISER DIAGRAM FOR ADDITIONAL EQUIPMENT INFORMATION.
3. PROVIDE 75" WALL MOUNTED DISPLAY, SAMSUNG QM75C OR EQUIVALENT.
4. PROVIDE 98" WALL MOUNTED DISPLAY, SAMSUNG QM98N OR EQUIVALENT.
5. PROVIDE 55" WALL MOUNTED DISPLAY, SAMSUNG QM55C OR EQUIVALENT.
6. WALL MOUNTED AUDIO/VIDEO SYSTEM TOUCHSCREEN CONTROLLER, CRESTRON TSW-1070-B-S
7. PROVIDE POWER/DATA FLOOR BOX. DESIGN SELECTION WIREMOLD EVOLUTIONS SERIES EFB6S WITH REQUIRED GANG PLATES. PROVIDE (1) 1" CONDUIT FOR COMMUNICATIONS AND (1) 3/4" CONDUIT FOR POWER.
8. PROVIDE 5" JUNCTION BOX FOR COMMUNICATIONS CABLING. COORDINATE CABLE ROUTING AND TERMINATION WITH FINAL FURNITURE SELECTION.
9. PROVIDE 1" CONDUIT WITH COMPOSITE ACCESS CONTROL CABLE TO ACCESS CONTROL PANEL IN COMM ROOM 124. PROVIDE BELDEN 5584FS (NON-PLENUM) OR BELDEN 6584FS (PLENUM) OR EQUIVALENT.
10. PROVIDE HDMI CABLE ROUTED BETWEEN TABLE AND DISPLAY THROUGH DEDICATED PATHWAY IN FLOOR BOX. ROUTE CABLE INTO TABLE BOX (CRESTRON FT2-202-PTL OR APPROVED EQUAL WITH MODULES TO SUPPORT POWER, HDMI, & ETHERNET).
11. PROVIDE WALL BOX (CHIEF PACS26F OR EQUAL), WITHIN WALL BOX TERMINATE (2) CAT 6 CABLES. COORDINATE WITH ELECTRICAL TO PROVIDE (1) DUPLEX OUTLET MOUNTED WITHIN WALL BOX.
12. PROVIDE 7" TOUCH SCREEN CONTROLLER (CRESTRON TS-770-B-S OR APPROVED EQUAL). PROGRAM PER THE NARRATIVE FOUND ON RISER DIAGRAM.
13. PROVIDE WUXGA 7000 LUMEN LASER PROJECTOR (EPSON L730U OR APPROVED EQUAL) WITH FIXED MOUNT (CHIEF UNIVERSAL MOUNT RPAU, ANGLED CEILING PLATE CMA395, 4' EXTENSION COLUMN CMS0305, OR APPROVED EQUALS). PROVIDE AV ENCODER (CRESTRON NVX-360) MOUNTED ABOVE PROJECTOR, COORDINATE WITH ELECTRICAL TO PROVIDE 110V POWER TO LOCATION SHOWN.
14. PROVIDE MOTORIZED PROJECTION SCREEN WITH AMBIENT LIGHT REJECTION (DRAPER 140113TO OR APPROVED EQUAL). PROVIDE (4) CONDUCTOR CABLE TO CONTROLLER IN RACK EOC-1 FOR RELAY CLOSURE. PROVIDE LOW-VOLTAGE SWITCH MOUNTED ADJACENT TO TOUCHSCREEN CONTROLLER. COORDINATE WITH ELECTRICAL TO PROVIDE 110V POWER TO LOCATION SHOWN.
15. PROVIDE AV OVER IP ENCODER (CRESTRON DM-NVX-E30) MOUNTED UNDER DESK/PODIUM. PROVIDE HDMI CABLE SNAKED THROUGH 2" GROMMET TO TOP OF DESK. CONNECT TO CATEGORY 6 CABLE ROUTED BACK TO EOC IT 135. TERMINATE IN RACK EOC-1.
16. WALL MOUNTED AUDIO/VIDEO SYSTEM TOUCHSCREEN CONTROLLER, CRESTRON TSW-770-B-S

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

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FIRST LEVEL FLOOR PLAN - TECHNOLOGY

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	1/4" = 1'-0"

T101

12/16/2024 11:43:23 AM

1 FIRST LEVEL REFLECTED CEILING PLAN - TECHNOLOGY
1/4" = 1'-0"

wired engineering
Technology Consulting

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:16-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

1. PROPOSED WIRELESS ACCESS POINT LOCATION (CEILING MOUNTED). PROVIDE (2) CAT 6A CABLES TO RACK LOCATION INDICATED. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
2. RECESSED CEILING MOUNTED SPEAKER.
3. CEILING MOUNTED CCTV CAMERA.
4. PROVIDE MICROPHONE WIRLESS ACCESS POINT (SHURE MXWAPT4 OR APPROVED EQUAL). PROVIDE (2) DATA CABLES TO LOCATION SHOWN FROM EOC IT 135.

REVISIONS

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

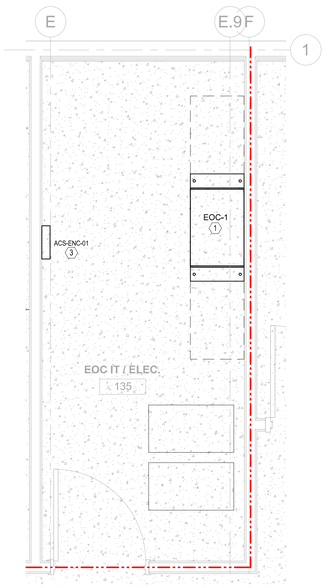
SHEET NAME
FIRST LEVEL REFLECTED CEILING PLAN - TECHNOLOGY

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	1/4" = 1'-0"

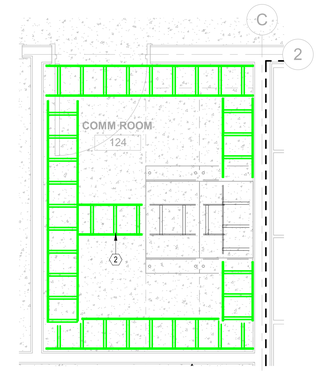
T121

12/16/2024 11:43:41 AM

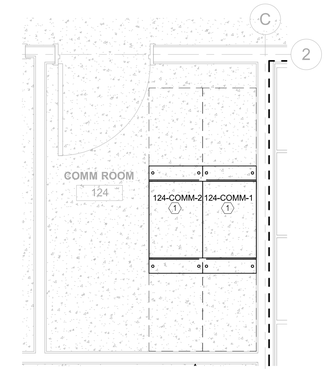
3 ENLARGED EOC/IT ROOM CABLE TRAY PLAN
1/2" = 1'-0"



1 ENLARGED EOC/IT ROOM EQUIPMENT PLAN
1/2" = 1'-0"



4 ENLARGED COMM ROOM CABLE TRAY PLAN
1/2" = 1'-0"



2 ENLARGED COMM ROOM EQUIPMENT PLAN
1/2" = 1'-0"

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:20-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

1 PROVIDE 4-POST EQUIPMENT RACK. PROVIDE (1) 120V 20A CIRCUIT (L5-20R) AND (1) 208V 30A CIRCUIT (L6-30R) MOUNTED ON CABLE TRAY, REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2 PROVIDE 12"W LADDER TRAY WITH ALL REQUIRED FITTINGS.
3 ACCESS CONTROL ENCLOSURE. PROVIDE 120V, 20A DEDICATED CIRCUIT, AND (2) CAT 6 CABLES.

REVISIONS		

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TECHNOLOGY ENLARGED PLANS

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	1/2" = 1'-0"

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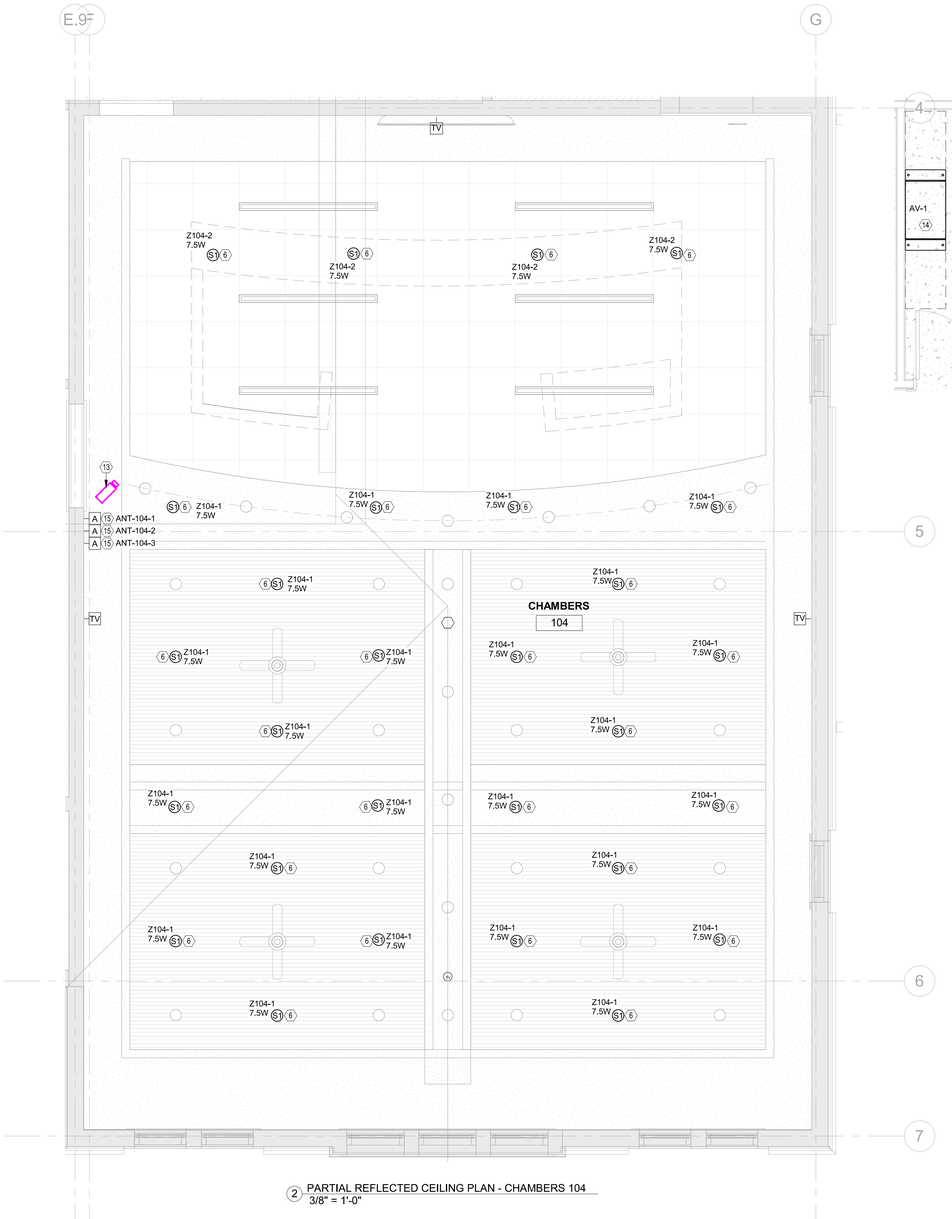
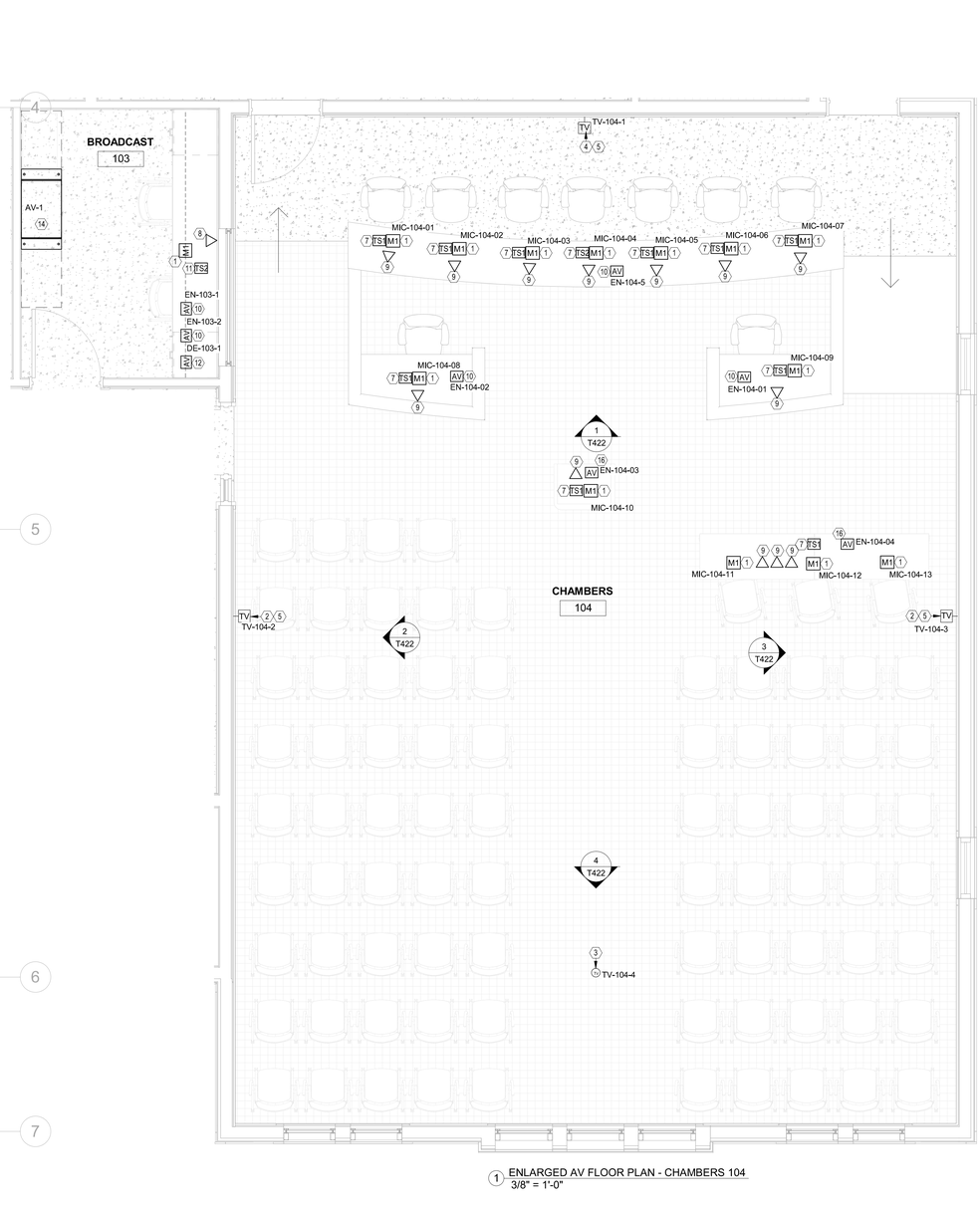
12/16/2024 11:43:47 AM



2 PARTIAL REFLECTED CEILING PLAN - CHAMBERS 104
3/8" = 1'-0"



1 ENLARGED AV FLOOR PLAN - CHAMBERS 104
3/8" = 1'-0"

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:24-05'00'

SEALS DANIEL T. HUNTER, #75393

NOTES:

1. PROVIDE DESKTOP GOOSENECK MICROPHONE WITH PUSH TO TALK BUTTON (SHURE MX412D/C OR APPROVED EQUAL). CONNECT TO AUDIO CABLE IN FLOOR BOX/WALL PLATE TERMINATION.
2. PROVIDE 55" WALL MOUNTED DISPLAY (SAMSUNG QM55C OR EQUIVALENT) WITH APPROPRIATELY SIZED PULL OUT MOUNT (PEERLESS ST5650 OR APPROVED EQUAL). SEE AV RISER DIAGRAM FOR ADDITIONAL EQUIPMENT INFORMATION.
3. PROVIDE 75" CEILING MOUNTED DISPLAY (SAMSUNG QM75C OR EQUIVALENT) WITH MOUNTING COLUMN AND MOUNT (PEERLESS MOD-FPSKIT150-B OR APPROVED EQUAL). SEE AV RISER DIAGRAM FOR ADDITIONAL EQUIPMENT INFORMATION. COORDINATE WITH ELECTRICAL TO PROVIDE CEILING MOUNTED OUTLET AT DISPLAY LOCATION. PROVIDE (2) DATA CABLES TO LOCATION SHOWN.
4. PROVIDE 98" WALL MOUNTED DISPLAY (SAMSUNG QM98N OR EQUIVALENT) WITH APPROPRIATELY SIZED PULL OUT MOUNT (PEERLESS ST5650 OR APPROVED EQUAL). SEE AV RISER DIAGRAM FOR ADDITIONAL EQUIPMENT INFORMATION.
5. PROVIDE WALL BOX (CHIEF PAC526F OR EQUAL). WITHIN WALL BOX TERMINATE (2) CAT 6 CABLES. COORDINATE WITH ELECTRICAL TO PROVIDE (1) DUPLEX OUTLET MOUNTED WITHIN WALL BOX.
6. PROVIDE RECESSED SPEAKER, JBL CONTROL 26CT OR APPROVED EQUAL. TAP AT 7.5W, PROVIDE 16AWG SPEAKER CABLE ROUTED BACK TO RACK AV-1
7. PROVIDE 7" TOUCH SCREEN CONTROLLER (CRESTRON TS-770-B-S OR APPROVED EQUAL), PROGRAM PER THE NARRATIVE FOUND ON RISER DIAGRAM.
8. PROVIDE FACEPLATE WITH BALANCED AUDIO TERMINATION AND 2 PIN PHOENIX CONNECTOR IN FACE PLATE MOUNTED AT 30" AFF UNDER DESK. PROVIDE SHIELDED TWISTED PAIR WITH DRAIN WIRE AND UNSHIELDED TWISTED PAIR ROUTED TO BROADCAST 103. TERMINATE IN RACK AV-1.
9. PROVIDE FACEPLATE IN FLOOR BOX WITH BALANCED AUDIO TERMINATION AND 2 PIN PHOENIX CONNECTOR IN FACE PLATE MOUNTED AT 30" AFF UNDER DESK. PROVIDE SHIELDED TWISTED PAIR WITH DRAIN WIRE ROUTED TO BROADCAST 103. TERMINATE IN RACK AV-1.
10. PROVIDE AV OVER IP ENCODER (CRESTRON DM-NVX-360 CONFIGURED AS ENCODER) MOUNTED UNDER DESK/PODIUM. PROVIDE HDMI CABLE SNAKED THROUGH 2" GROMMET TO TOP OF DESK. CONNECT TO CATEGORY 6 CABLE ROUTED BACK TO BROADCAST 103. TERMINATE IN RACK AV-1.
11. PROVIDE 10" TOUCH SCREEN CONTROLLER (CRESTRON TS-1070-B-S OR APPROVED EQUAL), PROGRAM PER THE NARRATIVE FOUND ON RISER DIAGRAM.
12. PROVIDE AV OVER IP DECODER (CRESTRON DM-NVX-360 CONFIGURED AS DECODER) MOUNTED UNDER DESK. PROVIDE HDMI CABLE SNAKED THROUGH 2" GROMMET TO TOP OF DESK. CONNECT TO CATEGORY 6 CABLE ROUTED BACK TO BROADCAST 103. TERMINATE IN RACK AV-1.
13. PROVIDE PTZ AV CAMERA WITH HDMI & USB OUTPUT (PTZOPTICS PT12X-4K-WH-G3 OR APPROVED EQUAL). PROVIDE UTP CABLE AND HDMI CABLE FROM RACK AV-1, AND USB CABLE TO DESK IN BROADCAST 103. CONNECT UTP CABLE TO POE SWITCH. CONNECT USB TO OFE PC.
14. PROVIDE 4-POST EQUIPMENT RACK. PROVIDE (1) 120V 20A CIRCUIT (L5-20R) AND (1) 208V 30A CIRCUIT (L6-30R) MOUNTED ON CABLE TRAY. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
15. PROVIDE LOW VOLTAGE RING AND TERMINATION FOR COAXIAL CABLE FOR ANTENNA. PROVIDE CABLE FOR ANTENNA BASED ON DEVICE CONNECTED..
16. PROVIDE AV OVER IP ENCODER (CRESTRON DM-NVX-E30) MOUNTED UNDER DESK/PODIUM. PROVIDE HDMI CABLE SNAKED THROUGH 2" GROMMET TO TOP OF DESK. CONNECT TO CATEGORY 6 CABLE ROUTED BACK TO BROADCAST 103. TERMINATE IN RACK AV-1.

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

AV ENLARGED PLANS - CHAMBERS 104

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	12/16/2024
SCALE	3/8" = 1'-0"

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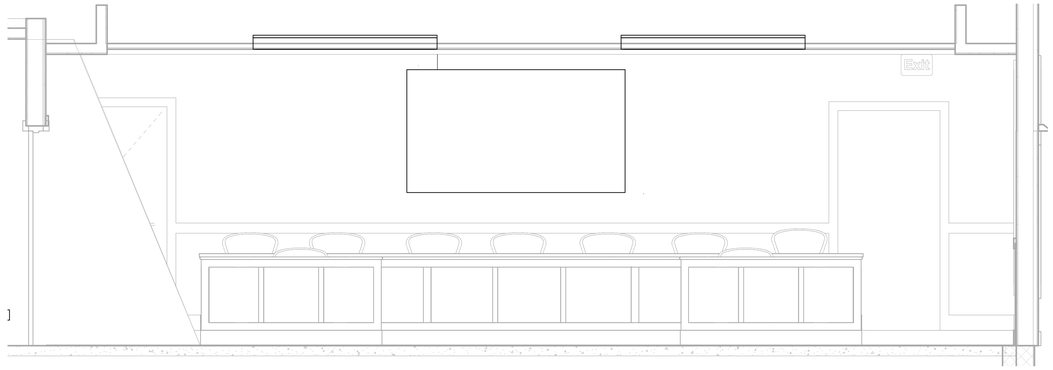
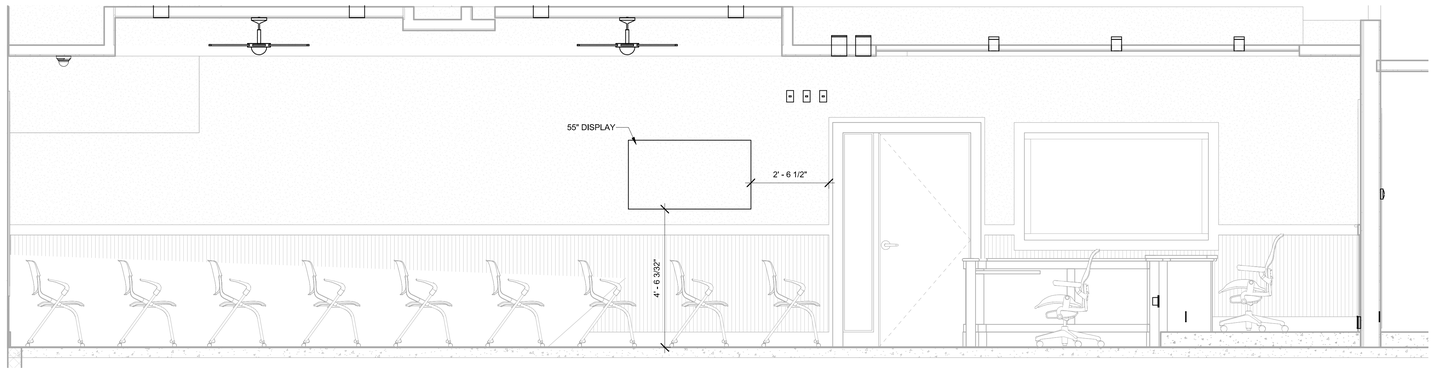
12/16/2024 11:43:57 AM

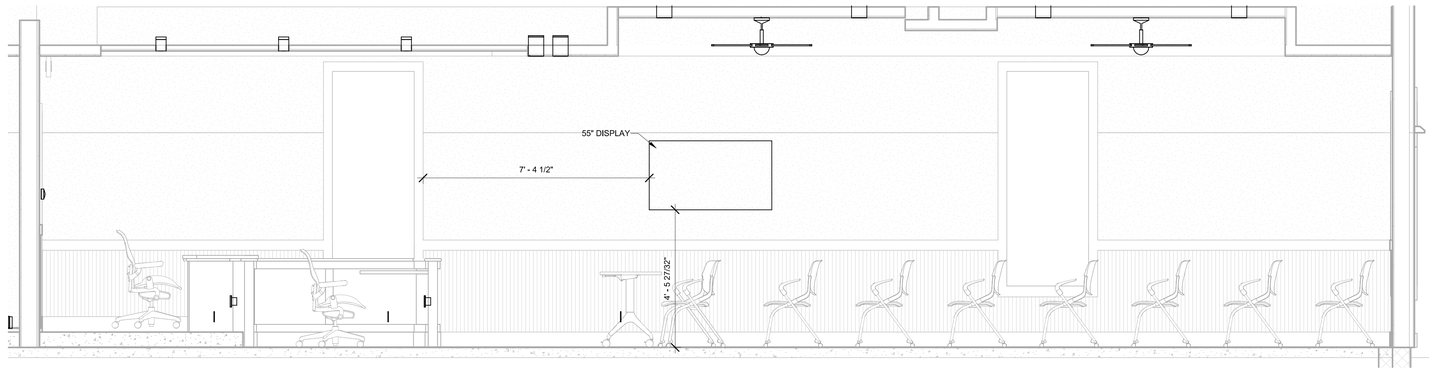
wired engineering
Technology Consulting



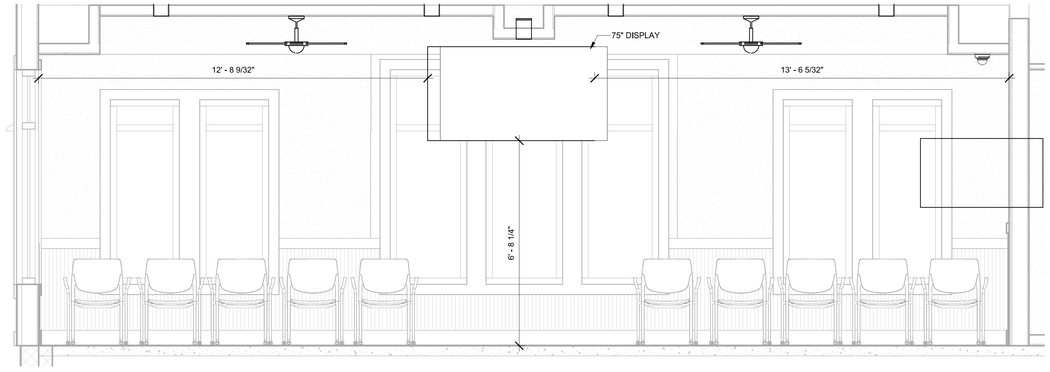
1 AV ELEVATION - CHAMBERS 104 - NORTH WALL
1/2" = 1'-0"



2 AV ELEVATION - CHAMBERS 104 - WEST WALL
1/2" = 1'-0"



3 AV ELEVATION - CHAMBERS 104 - EAST WALL
1/2" = 1'-0"



4 AV ELEVATION - CHAMBERS 104 - SOUTH WALL
1/2" = 1'-0"

wired engineering
Technology Consulting

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:28-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

REVISIONS

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

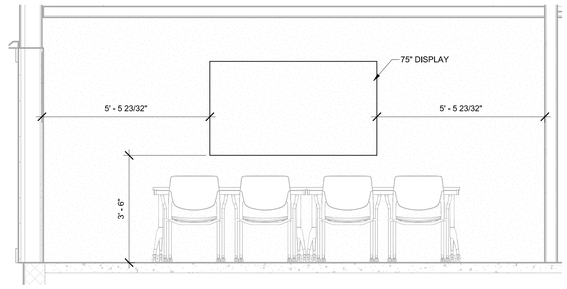
AV ELEVATIONS - CHAMBERS 104

SHEET NAME

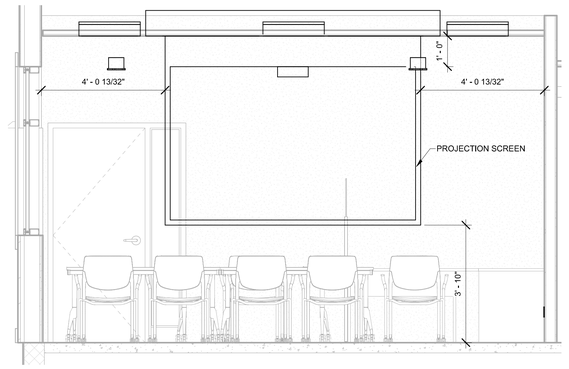
PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	12/16/2024
SCALE	1/2" = 1'-0"

T422

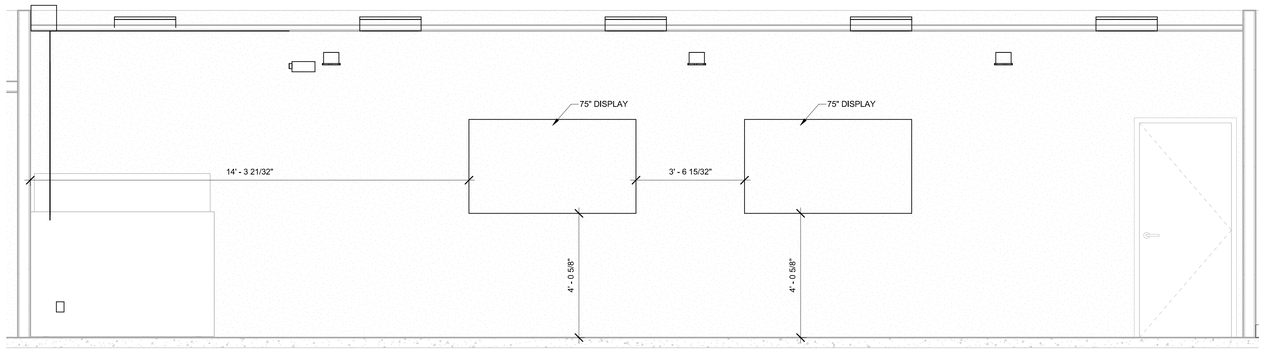
12/16/2024 11:44:12 AM



3 AV ELEVATION - BREAKOUT ROOM 133 - EAST WALL
1/2" = 1'-0"



1 AV ELEVATION - EOC & TRAINING 129 - EAST WALL
1/2" = 1'-0"



2 AV ELEVATION - EOC & TRAINING 129 - SOUTH WALL
1/2" = 1'-0"

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 40300
DANIEL T. HUNTER

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:32-05'00'

SEALS DANIEL T. HUNTER, #75393

NOTES:

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA|COE ARCHITECTS

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

AV ELEVATIONS - EOC & TRAINING 129

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	12/16/2024
SCALE	1/2" = 1'-0"

T423

12/16/2024 11:44:22 AM

wired engineering
Technology Consulting

CAMERA SCHEDULE

CAMERA ID	CAMERA SHEET	FIXED/PTZ	MOUNTING INFORMATION	CAT 6 CABLES	POWER REQUIREMENTS	TERMINATION LOCATION	CAMERA MANUFACTURER	CAMERA PART NUMBER	ACCESSORIES REQUIRED	DETAIL REFERENCE	Comments
CAM-001	T101	FIXED	CEILING MOUNT	1	POE FROM SWITCH	124-COMM-1	AXIS	P3265-LV			
CAM-002	T101	FIXED	CEILING MOUNT	1	POE FROM SWITCH	124-COMM-1	AXIS	P3265-LV			
CAM-003	T101	FIXED	CEILING MOUNT	1	POE FROM SWITCH	124-COMM-1	AXIS	P3265-LV			
CAM-004	T101	FIXED	CEILING MOUNT	1	POE FROM SWITCH	124-COMM-1	AXIS	P3265-LV			

124-COMM-1: 4

ACCESS CONTROL DOOR SCHEDULE

DOOR NUMBER	CARD READER	LOCKING DEVICE	DOOR TYPE	INTRUSION DETECTION	SHEET NUMBER	DETAIL #	TERMINATION LOCATION	RIM ID
102B	CR ENTRY	ES	SINGLE	DPS	T101	DTL-102	ACS-PNL-01	C0
102A	CR ENTRY	(2) EL	DOUBLE	(2) DPS	T101	DTL-101	ACS-PNL-01	C1
104A	CR ENTRY	ES	SINGLE	DPS	T101	DTL-102	ACS-PNL-01	C1
105B	CR ENTRY	ES	SINGLE	DPS	T101	DTL-102	ACS-PNL-01	C2
108	CR ENTRY	ES	SINGLE	DPS	T101	DTL-102	ACS-PNL-01	C2
139	CR ENTRY	ES	SINGLE	DPS	T101	DTL-102	ACS-PNL-01	C3

DATA DEVICE SCHEDULE

LOCATION	CAT 6 QUANTITY	TERMINATION LOCATION	PATCH PANEL ID
BROADCAST 103 - COMM OUTLET 1	6	124-COMM-1	
BROADCAST 103 - COMM OUTLET 2	6	124-COMM-1	
ASST. TOWN ADMIN. 137 - COMM OUTLET 1	2	124-COMM-1	
TOWN ADMIN. 138 - COMM OUTLET 1	2	124-COMM-1	
MAYOR 136 - COMM OUTLET 2	2	124-COMM-1	
MAYOR 136 - COMM OUTLET 1	2	124-COMM-1	
EXEC. SESSION 105 - FLOOR BOX 1	4	124-COMM-1	
EXEC. SESSION 105 - FLOOR BOX 2	4	124-COMM-1	
UTIL. & LICENSE CLERKS 113 - COMM OUTLET 1	2	124-COMM-1	
UTIL. & LICENSE CLERKS 113 - COMM OUTLET 2	2	124-COMM-1	
UTIL. & LICENSE CLERKS 113 - COMM OUTLET 3	2	124-COMM-1	
PERMITS/INSPECTIONS WORK ROOM 114 - COMM OUTLET 2	2	124-COMM-1	
MUNICIPAL CLERK 134 - COMM OUTLET 1	2	124-COMM-1	
BREAKOUT ROOM 133 - FLOOR BOX 1	4	124-COMM-1	
FLEX OFFICE 120 - COMM OUTLET 1	2	124-COMM-1	
FLEX OFFICE 120 - COMM OUTLET 2	2	124-COMM-1	
FINANCE 2 119 - COMM OUTLET 1	2	124-COMM-1	
FINANCE 2 121 - COMM OUTLET 1	2	124-COMM-1	
BUILDING CODE ADMIN. 115 - COMM OUTLET 1	2	124-COMM-1	
PERMITS/INSPECTIONS WORK ROOM 114 - COMM OUTLET 4	2	124-COMM-1	
BUILDING CODE ADMIN. 115 - COMM OUTLET 2	2	124-COMM-1	
SOFT INTERVIEW 112 - COMM OUTLET 1	2	124-COMM-1	
BUILDING CODE ADMIN. 115 - TV OUTLET 1	2	124-COMM-1	
CONF. ROOM 117 - TV OUTLET 1	2	124-COMM-1	
SPECIAL PROJECTS 118 - COMM OUTLET 1	2	124-COMM-1	
EXEC. SESSION 105 - TV OUTLET 1	2	124-COMM-1	
CHAMBERS 104 - WIRELESS ACCESS POINT	2	124-COMM-1	
CHAMBERS 104 - WIRELESS ACCESS POINT #2	2	124-COMM-1	
LOBBY 102 - WIRELESS ACCESS POINT	2	124-COMM-1	
CONF. ROOM 117 - WIRELESS ACCESS POINT	2	124-COMM-1	
PERMITS/ INSPECTIONS WORK ROOM 114 - WIRELESS ACCESS POINT	2	124-COMM-1	
COMM ROOM 124 - WIRELESS ACCESS POINT	2	124-COMM-1	
MAIN CORRIDOR 139 - WIRELESS ACCESS POINT #2	2	124-COMM-1	
MAIN CORRIDOR 139 - WIRELESS ACCESS POINT	2	124-COMM-1	
EOC & TRAINING 129 - WIRELESS ACCESS POINT	2	124-COMM-1	
MAYOR 136 - WIRELESS ACCESS POINT	2	124-COMM-1	
MAYOR 136 - TV OUTLET 1	2	124-COMM-1	
TOWN ADMIN. 138 - TV OUTLET 1	2	124-COMM-1	
LOBBY 102 - TV OUTLET 1	2	124-COMM-1	
EOC & TRAINING 129 - AV OUTLET 1	2	124-COMM-1	
BREAKOUT ROOM 133 - TV OUTLET 1	2	124-COMM-1	
CONF. ROOM 117 - FLOOR BOX 2	4	124-COMM-1	
CONF. ROOM 117 - FLOOR BOX 1	4	124-COMM-1	
CHAMBERS 104 - DAIS POSITION 1	2	124-COMM-1	
CHAMBERS 104 - DAIS POSITION 2	2	124-COMM-1	
CHAMBERS 104 - DAIS POSITION 3	2	124-COMM-1	
CHAMBERS 104 - DAIS POSITION 4	2	124-COMM-1	
CHAMBERS 104 - DAIS POSITION 5	2	124-COMM-1	
CHAMBERS 104 - DAIS POSITION 6	2	124-COMM-1	
CHAMBERS 104 - DAIS POSITION 7	2	124-COMM-1	
CHAMBERS 104 - CLERK 1	2	124-COMM-1	
CHAMBERS 104 - CLERK 2	2	124-COMM-1	
CHAMBERS 104 - COMM OUTLET 1	2	124-COMM-1	
CHAMBERS 104 - TABLE FLOOR BOX 1	4	124-COMM-1	
PERMITS/INSPECTIONS WORK ROOM 114 - COMM OUTLET 3	2	124-COMM-1	
EOC & TRAINING 129 - COMM OUTLET 2	2	124-COMM-1	
CHAMBERS 104 - PODIUM 1	4	124-COMM-1	
LOBBY 102 - FLOOR BOX 1	4	124-COMM-1	
EXEC. SESSION 105 - COMM OUTLET 1	2	124-COMM-1	
EXEC. SESSION 105 - COMM OUTLET 2	2	124-COMM-1	
BREAKOUT ROOM 133 - FLOOR BOX 2	4	124-COMM-1	
PERMITS/INSPECTIONS WORK ROOM 114 - COMM OUTLET 1	2	124-COMM-1	
LOBBY 102 - COMM OUTLET 1	6	124-COMM-1	
EOC & TRAINING 129 - COMM OUTLET 1	4	124-COMM-1	
EOC & TRAINING 129 - TV OUTLET 1	2	124-COMM-1	
EOC & TRAINING 129 - TV OUTLET 2	2	124-COMM-1	
VESTIBULE 100 - TV OUTLET 1	2	124-COMM-1	

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 40300 DANIEL T. HUNTER

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:36-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO
BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

TECHNOLOGY SCHEDULES

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	

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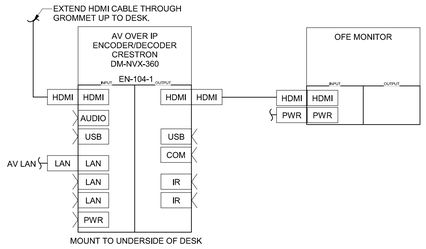
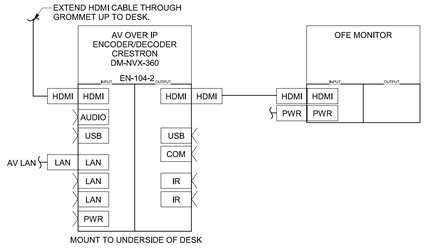
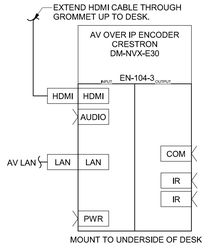
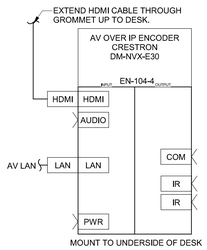
12/16/2024 11:44:28 AM

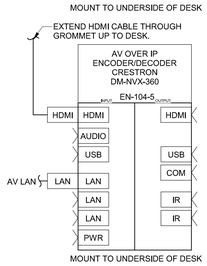
wired engineering
Technology Consulting

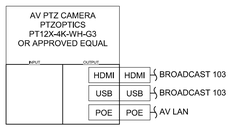


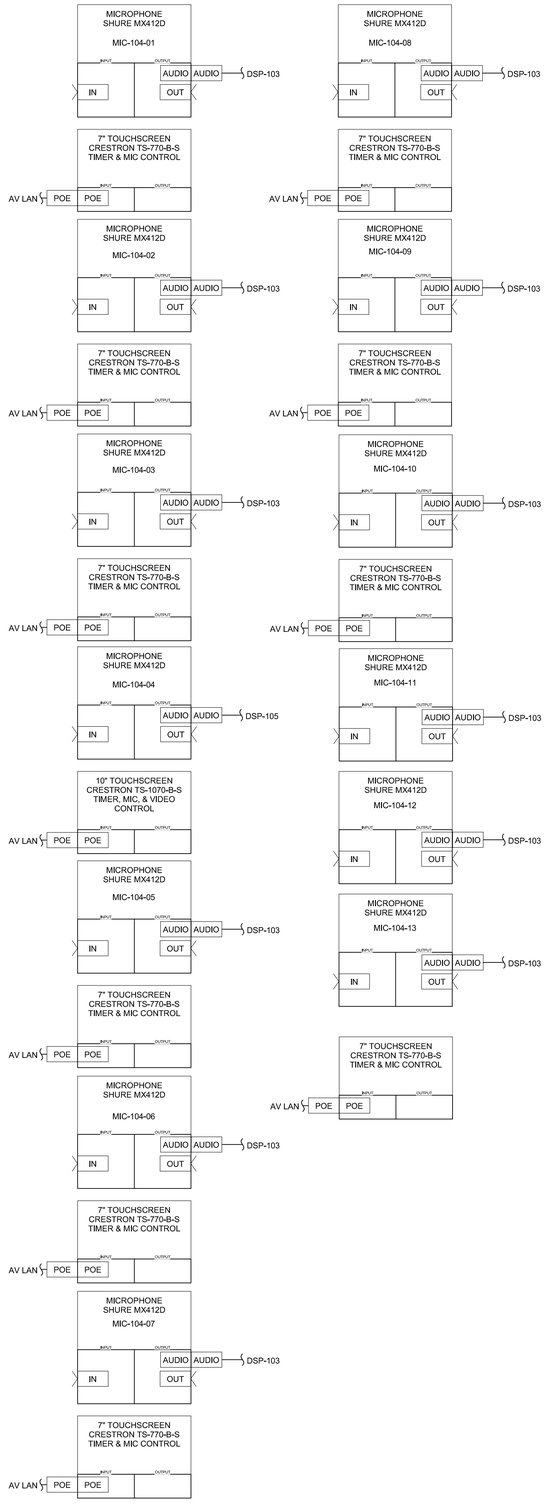


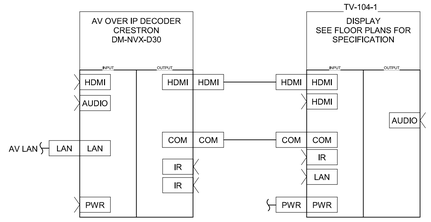


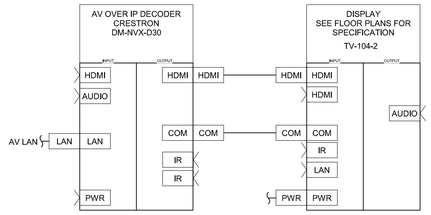


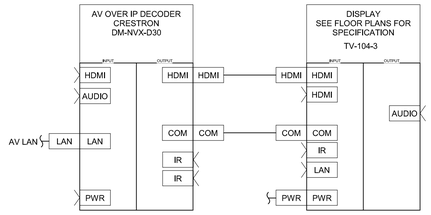


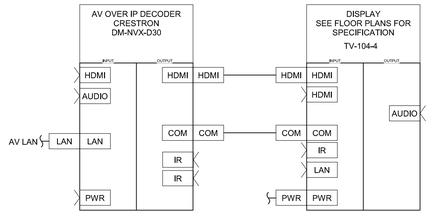












COUNCIL CHAMBERS 104 AV NARRATIVE

AV OVER IP VIDEO DISTRIBUTION SYSTEM SHALL BE USED TO ROUTE CONTENT BETWEEN INPUTS AND OUTPUTS (FOUND AT DISPLAYS AND WHERE NOTATED ON DRAWINGS). INTENT IS FOR ALL DISPLAYS TO SHOW A SINGLE SOURCE BUT ALLOW THE FLEXABILITY TO ALLOW CONTENT TO BE ROUTED INDEPENDENTLY.

AUDIO SYSTEM SHALL BE USED FOR VOICE REINFORCMENT AND PROGRAM AUDIO. MICROPHONES SHALL BE PUSH TO TALK WITH THE EXCEPTION OF (2) WIRELESS MICROPHONES (HANDHELD AND LAVALIER) FOR FLEXIBILITY OR AUDIENCE USAGE.

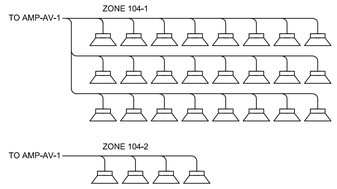
TOUCHSCREENS DENOTED AS "TS1" SHALL ACT AS A STAGETIMER AND MICROPHONE GAIN CONTROLLER.

MASTER TOUCHSCREENS DENOTED AS "TS2" SHALL ACT AS A STAGETIMER, CONTROL OTHER ALL OTHER TIMERS, CONTROL ALL MICROPHONE'S GAIN, CONTROL PROGRAM AND VOICE REINFORCMENT AUDIO LEVELS, AND CONTROL VIDEO ROUTING.

THE INTENDED USE OF THE SPACE IS TO HAVE A STAFF OR COUNCIL MEMBER(S) ACT AS THE "ROOM CONTROLLER(S)". THEY WILL UTILIZE A MASTER TOUCHSCREEN TO ALLOCATE TIME TO SPEAKERS, CONTROL THE DISPLAYED CONTENT, AND IF NECESSARY REMOTELY DISABLE MICROPHONES.

AUDIO SYSTEM SHALL BE TIED INTIMATELY TO THE TIMER, AUTOMATICALLY CUTTING OUT WHEN SPEAKER'S TIMER ELAPSES.

ADDITIONAL FUNCTIONALLITY IS AVAILABLE WITHIN BROADCAST 103



1 AV RISER DIAGRAM - CHAMBER 104
12" = 1'-0"

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:40-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
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AV RISER DIAGRAM - CHAMBERS 104

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	12" = 1'-0"

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12/16/2024 11:44:33 AM

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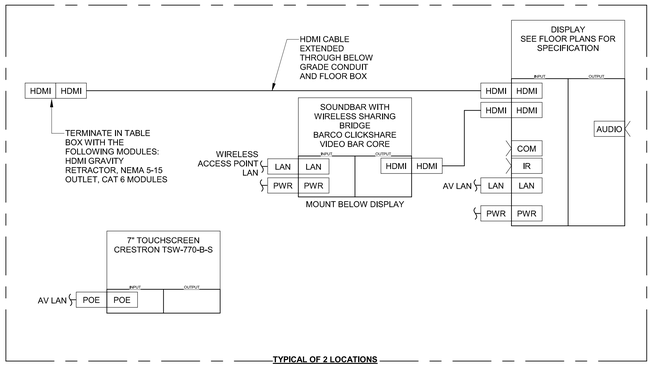
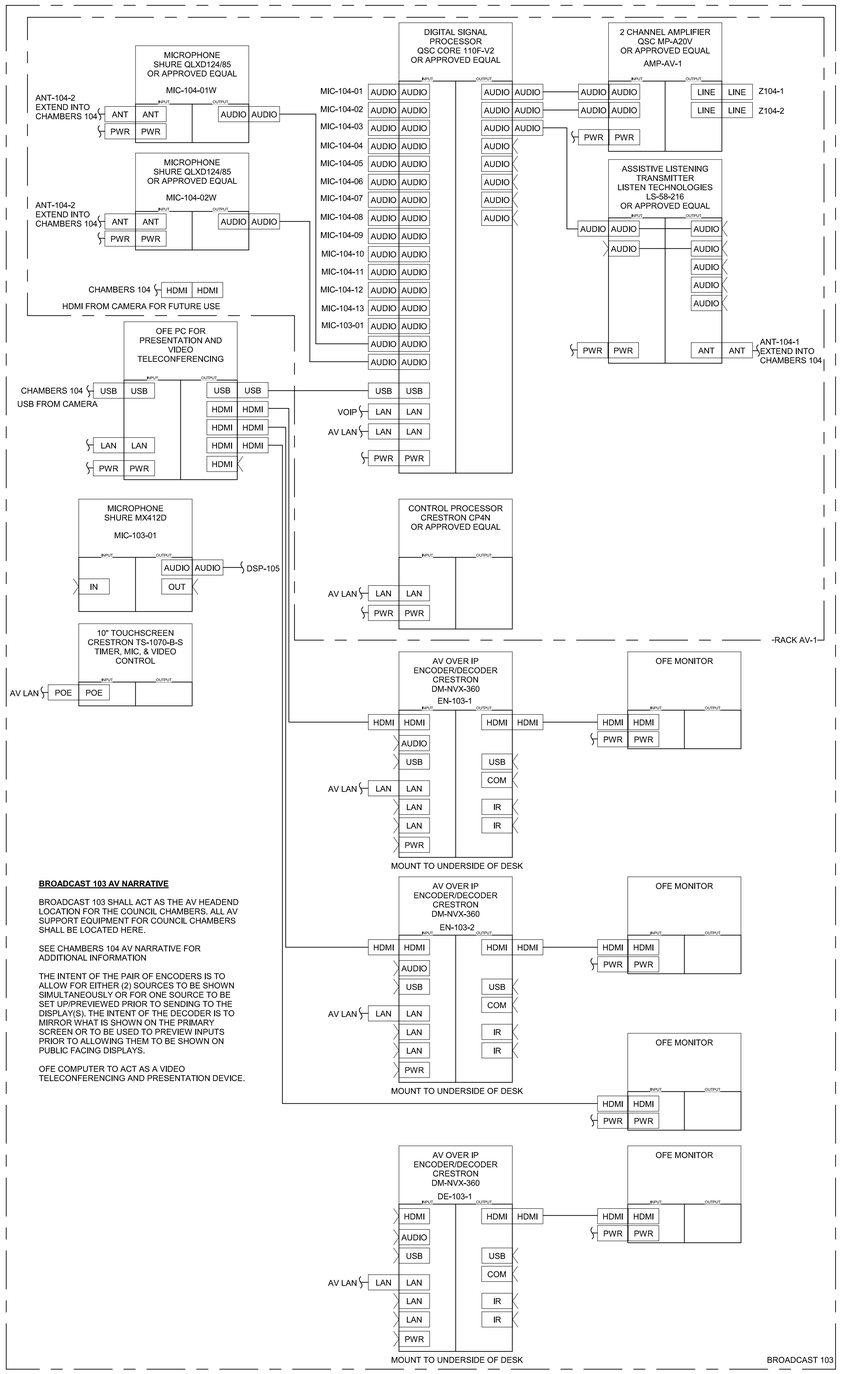


2 AV RISER DIAGRAM - EXECUTIVE SESSION 105 & CONFERENCE 107
12" = 1'-0"



BROADCAST 103 AV NARRATIVE

BROADCAST 103 SHALL ACT AS THE AV HEADEND LOCATION FOR THE COUNCIL CHAMBERS. ALL AV SUPPORT EQUIPMENT FOR COUNCIL CHAMBERS SHALL BE LOCATED HERE.

SEE CHAMBERS 104 AV NARRATIVE FOR ADDITIONAL INFORMATION

THE INTENT OF THE PAIR OF ENCODERS IS TO ALLOW FOR EITHER (2) SOURCES TO BE SHOWN SIMULTANEOUSLY OR FOR ONE SOURCE TO BE SET UP/PREVIEWED PRIOR TO SENDING TO THE DISPLAY(S). THE INTENT OF THE DECODER IS TO MIRROR WHAT IS SHOWN ON THE PRIMARY SCREEN OR TO BE USED TO PREVIEW INPUTS PRIOR TO ALLOWING THEM TO BE SHOWN ON PUBLIC FACING DISPLAYS.

OFE COMPUTER TO ACT AS A VIDEO TELECONFERENCING AND PRESENTATION DEVICE.

1 AV RISER DIAGRAM - BROADCAST 103
12" = 1'-0"

SPEAKER ZONE SCHEDULE, AMP-AV-1	
SPEAKER QUANTITY	ZONE WATTAGE
Z104-1	
24	180
Z104-2	
4	30

SEALS

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:44-05'00'

DANIEL T. HUNTER, #75393

NOTES:

REVISIONS		

CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

AV RISER DIAGRAM - BROADCAST 103, EXECUTIVE SESSION 105, CONFERENCE 117

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	12/16/2024
SCALE	12" = 1'-0"

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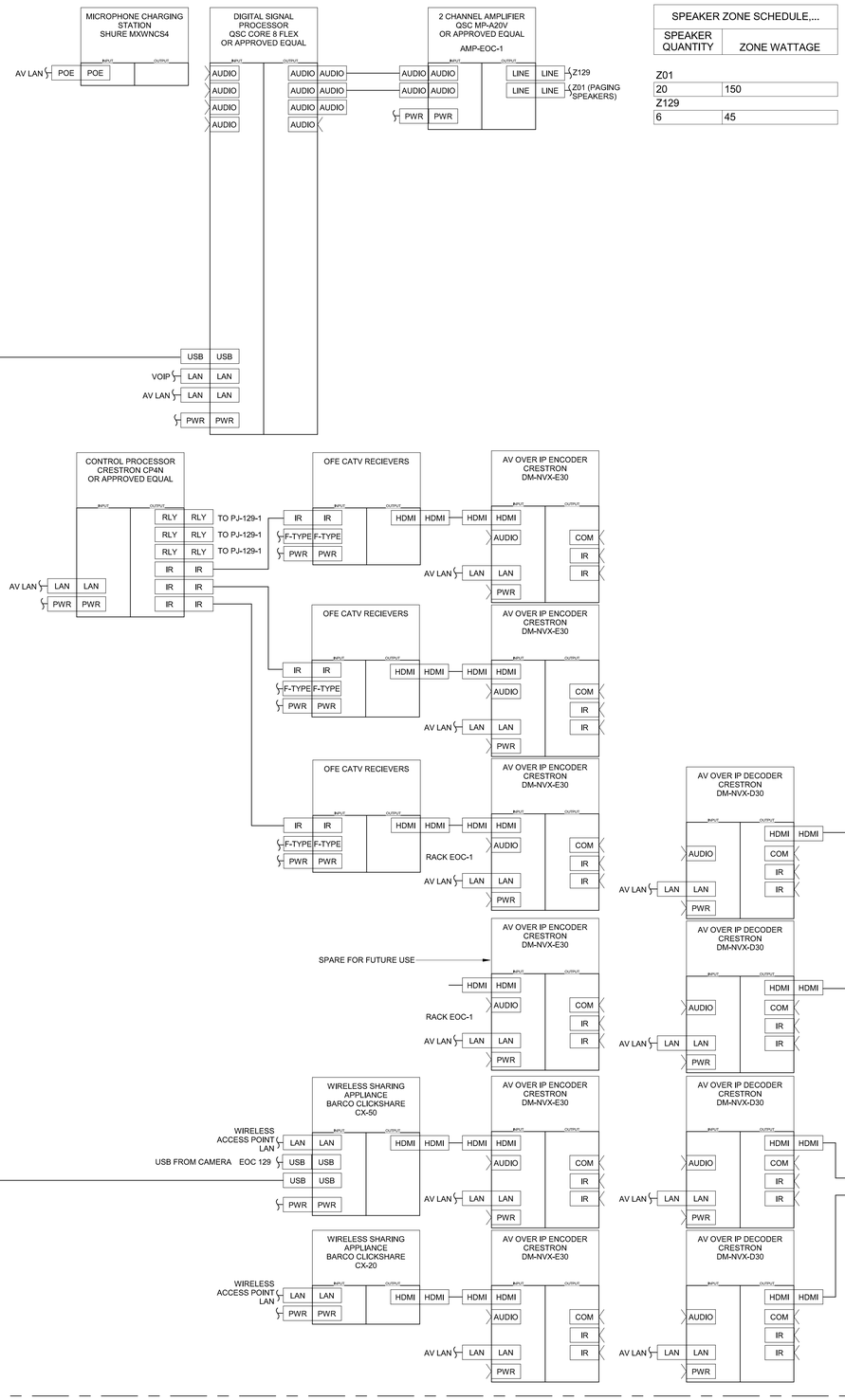


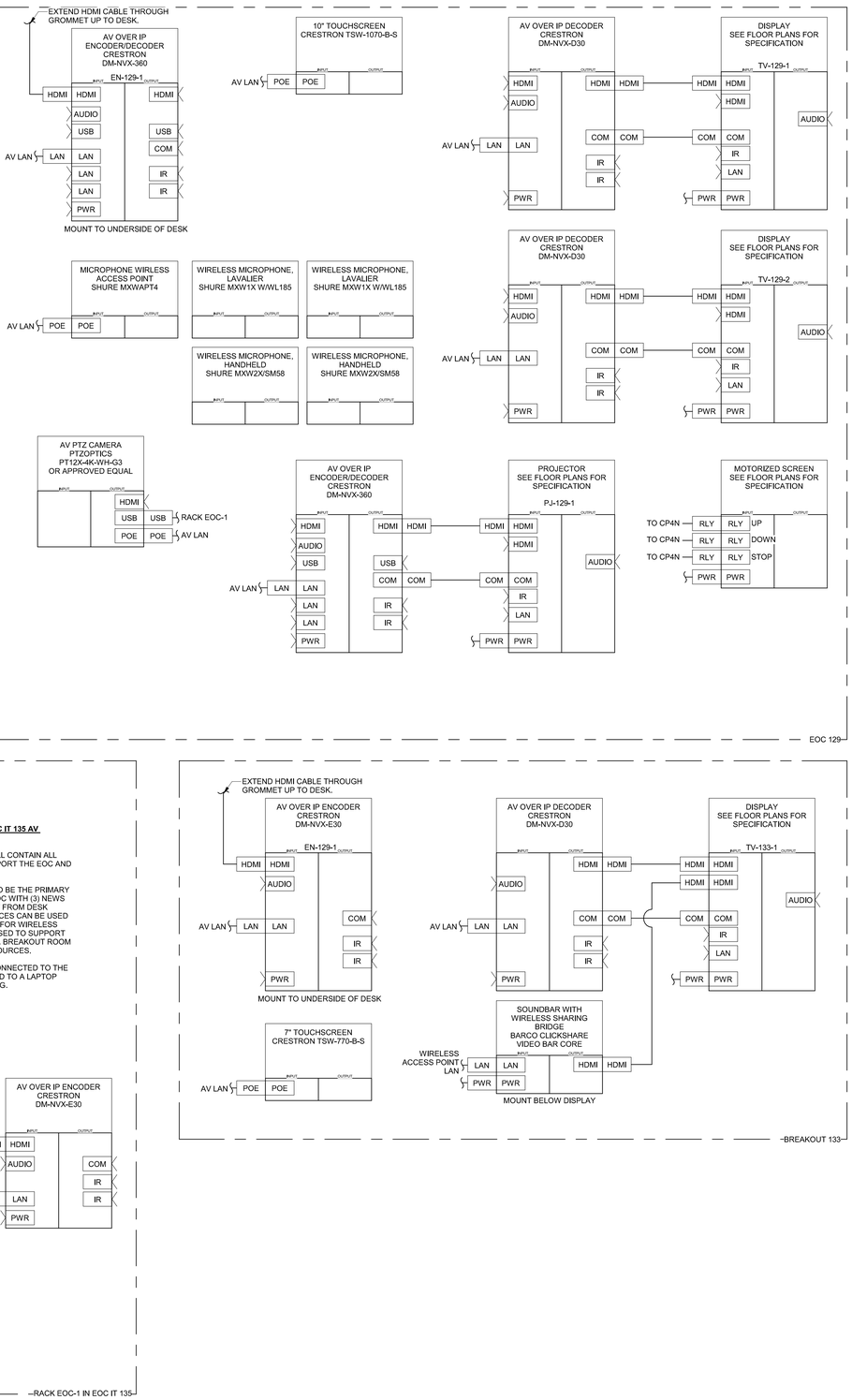
SPEAKER ZONE SCHEDULE,...	
SPEAKER QUANTITY	ZONE WATTAGE
Z01	
20	150
Z129	
6	45

EOC 129, BREAKOUT 133, & EOC IT 135 AV NARRATIVE

RACK EOC-1 IN EOC IT 135 SHALL CONTAIN ALL HEADEND EQUIPMENT TO SUPPORT THE EOC AND BREAKOUT ROOM.

INTENT IS FOR MULTIVIEWER TO BE THE PRIMARY VIEW AT THE FRONT OF THE EOC WITH (3) NEWS STATIONS AND (1) LOCAL INPUT FROM DESK. HOWEVER ANY (1) OR (4) SOURCES CAN BE USED AT THE PROJECTOR. INTENT IS FOR WIRELESS SHARING APPLIANCES TO BE USED TO SUPPORT THE WALL MOUNTED DISPLAYS. BREAKOUT ROOM SHALL HAVE ACCESS TO ALL SOURCES.

INTENT IS FOR THE CAMERA CONNECTED TO THE CLICKSHARE TO BE CONNECTED TO A LAPTOP FOR VIDEO TELECONFERENCING.



1 AV RISER DIAGRAM - BROADCAST 103X
12" = 1'-0"

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:48-05'00'

SEALS DANIEL T. HUNTER, #75393

NOTES:

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CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

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EDISTO BEACH, SC 29438

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AV RISER DIAGRAM - EOC 129 & BREAKOUT ROOM 133

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	Author
CHECKED BY	Approver
DATE	12/16/2024
SCALE	12" = 1'-0"

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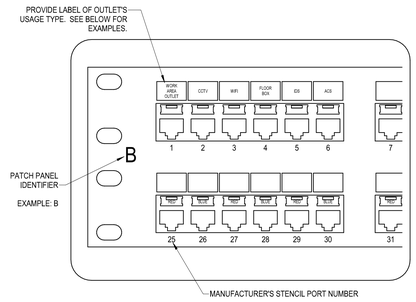
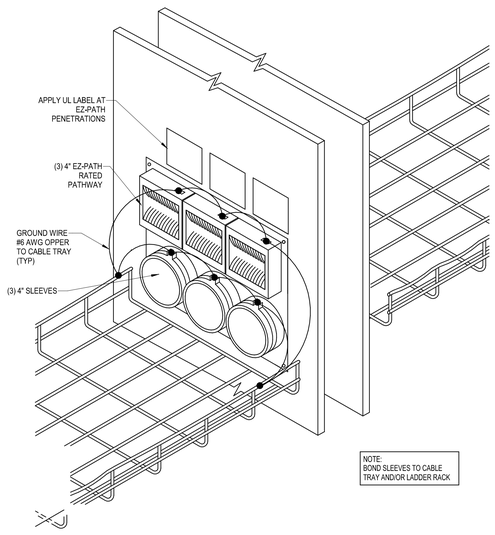
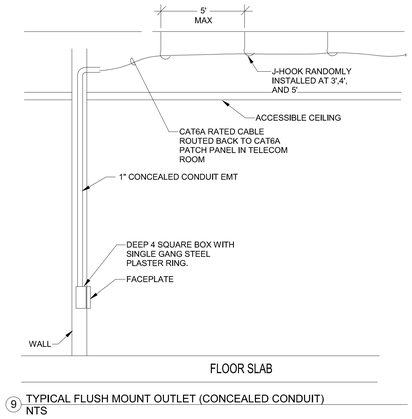


ALL LABELING SHALL BE MACHINE GENERATED, AND INSTALLED UNDER FACTORY PLASTIC COVER.

7 TYPICAL COPPER PATCH PANEL LABELING
NTS

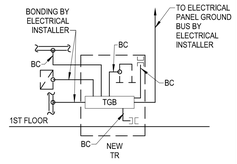


8 WALL PENETRATION - AT RATED WALLS (3 SLEEVES)
NTS



9 TYPICAL FLUSH MOUNT OUTLET (CONCEALED CONDUIT)
NTS

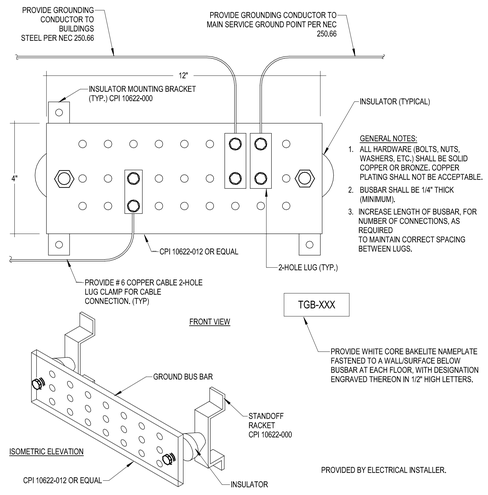
TBB LENGTH LINEAR M (FT)	TBB SIZE AWG
LESS THAN 4 (13)	6
4-6 (14-20)	4
6-8 (21-26)	3
8-10 (27-33)	2
10-13 (34-41)	1
13-16 (42-52)	1/0
16-20 (53-66)	2/0
GREATER THAN 20 (66)	3/0



ABBREVIATION SCHEDULE

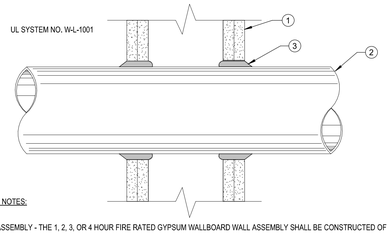
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS.
TR	TELECOMMUNICATIONS ROOM.
TEF	TELECOMMUNICATIONS ENTRANCE FACILITY.
TER	TELECOMMUNICATIONS EQUIPMENT ROOM.
TBB	TELECOMMUNICATIONS BONDING BACKBONE.
BC	BONDING CONDUCTOR. SHALL BE #6 AWG. UNLESS OTHERWISE NOTED BY COMMUNICATIONS CABLING INSTALLER.
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR.
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.
	RACK CONNECTION.
	ELECTRICAL PANELBOARD SERVING EQUIPMENT IN THIS COMM ROOM.
	CABLE BOND CONNECTIONS MADE W/U.L. LISTED BONDING CONNECTION FASTENERS.
	CABLE TRAY CONNECTION
	METAL FRAME OF BUILDING CONNECTION.
	CONDUIT/SLEEVES.

4 GROUNDING AND BONDING DIAGRAM
NTS



GENERAL NOTES:
1. ALL HARDWARE (BOLTS, NUTS, WASHERS, ETC.) SHALL BE SOLID COPPER OR BRONZE. COPPER PLATING SHALL NOT BE ACCEPTABLE.
2. BUSBAR SHALL BE 1/4" THICK (MINIMUM).
3. INCREASE LENGTH OF BUSBAR, FOR NUMBER OF CONNECTIONS, AS REQUIRED TO MAINTAIN CORRECT SPACING BETWEEN LUGS.

5 GROUND BUSBAR (TYPICAL FOR ALL TR'S)
NTS

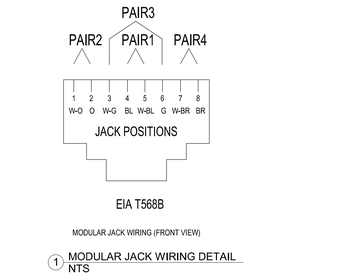


DETAIL NOTES:

1. WALL ASSEMBLY - THE 1, 2, 3, OR 4 HOUR FIRE RATED GYPSUM WALLBOARD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY.
2. CONDUIT - NOM 4" DIAMETER OR SMALLER STEEL ELECTRICAL METALLIC TUBING. A MAXIMUM OF ONE CONDUIT IS PERMITTED IN THE FIRE STOP SYSTEM. CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
3. FILL VOID OR CAVITY MATERIAL - CAULK FILL MATERIAL BEARING THE UL CLASSIFICATION MARKING INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN. 1/4" DIAMETER BEAD OF CAULK APPLIED TO PERIMETER OF CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRE STOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRE STOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAXIMUM CONDUIT DIAMETER IN INCHES	ANNULAR SPACE IN INCHES	FIRE RATING IN HOURS	T RATING IN HOURS
1	0 TO 3/16	1 OR 2	0, 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1-1/2	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

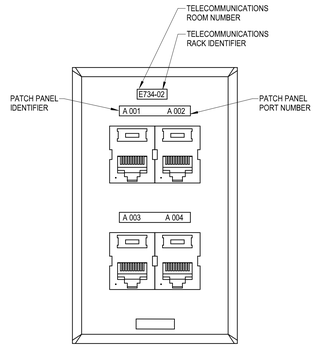
6 CONDUIT PENETRATION OF FIRE WALL
NTS



EIA T568B

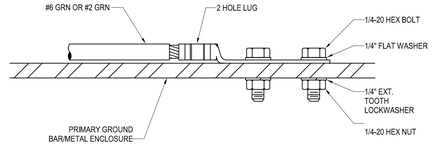
MODULAR JACK WIRING (FRONT VIEW)

1 MODULAR JACK WIRING DETAIL
NTS



ALL LABELING SHALL BE MACHINE GENERATED, AND INSTALLED UNDER FACTORY PLASTIC COVER.

2 TYPICAL WORK AREA OUTLET LABEL
NTS



#6 OR #2 GRN TO GROUND BAR OF FLAT SURFACE.

#6 IS USED PRIMARILY AS CABINET TO BUS LINK.

INSTALLATION NOTES:
A. SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
B. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
C. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND.
D. USE SOLID COPPER WIRE AND MECHANICAL 2-HOLE LUG FOR ALL EXTERIOR GROUNDING.

3 GROUND BAR 2-LUG TERMINATION
NTS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
REG. No. 40300
DANIEL T. HUNTER

Digitally signed by Daniel T. Hunter
Date: 2024.12.16 12:21:52-05'00'

SEALS DANIEL T. HUNTER, #40300

NOTES:

REVISIONS		

CONSTRUCTION DOCUMENTS

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2414 MURRAY STREET
EDISTO BEACH, SC 29438

CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
843.577.6073

TECHNOLOGY DETAILS

SHEET NAME

PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	As indicated

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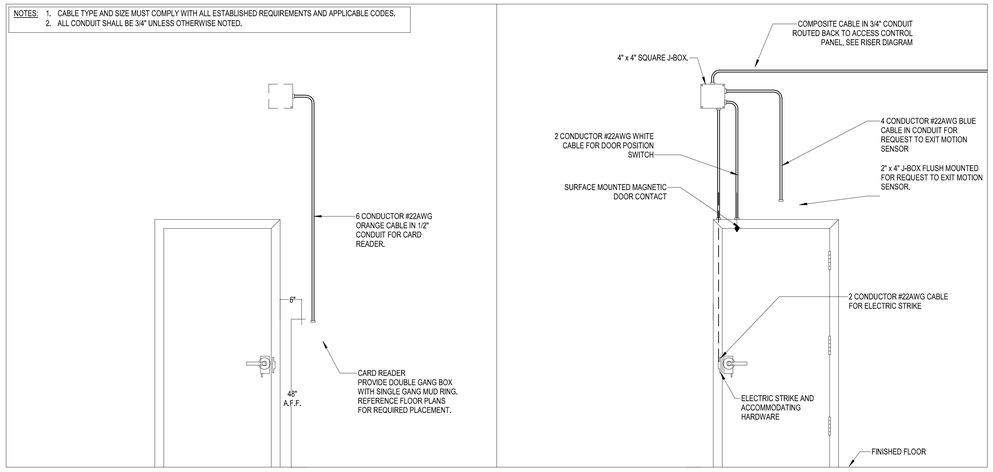
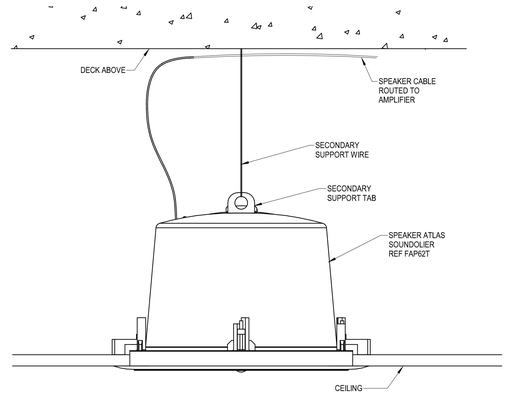
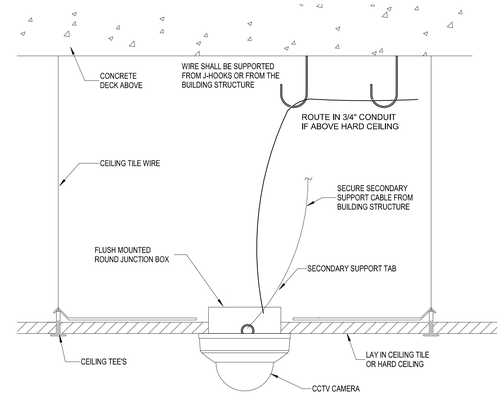


3 DTL-102 - SINGLE DOOR - ELECTRIC STRIKE WITH CARD READER
NTS



1 CEILING MOUNTED SPEAKER
1" = 1'-0"



2 DTL-101 - SURFACE CEILING MOUNTED CAMERA
1" = 1'-0"

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SOUTH CAROLINA PROFESSIONAL ENGINEER
LIC No. 40300
DANIEL T. HUNTER
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Date: 2024.12.16 12:21:56-05'00'

SEALS DANIEL T. HUNTER, #40300

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CONSTRUCTION DOCUMENTS

TOWN OF EDISTO BEACH TOWN HALL

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EDISTO BEACH, SC 29438

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TECHNOLOGY DETAILS

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PROJECT NUMBER	23001
DRAWN BY	WIRED
CHECKED BY	WIRED
DATE	12/16/2024
SCALE	1" = 1'-0"

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