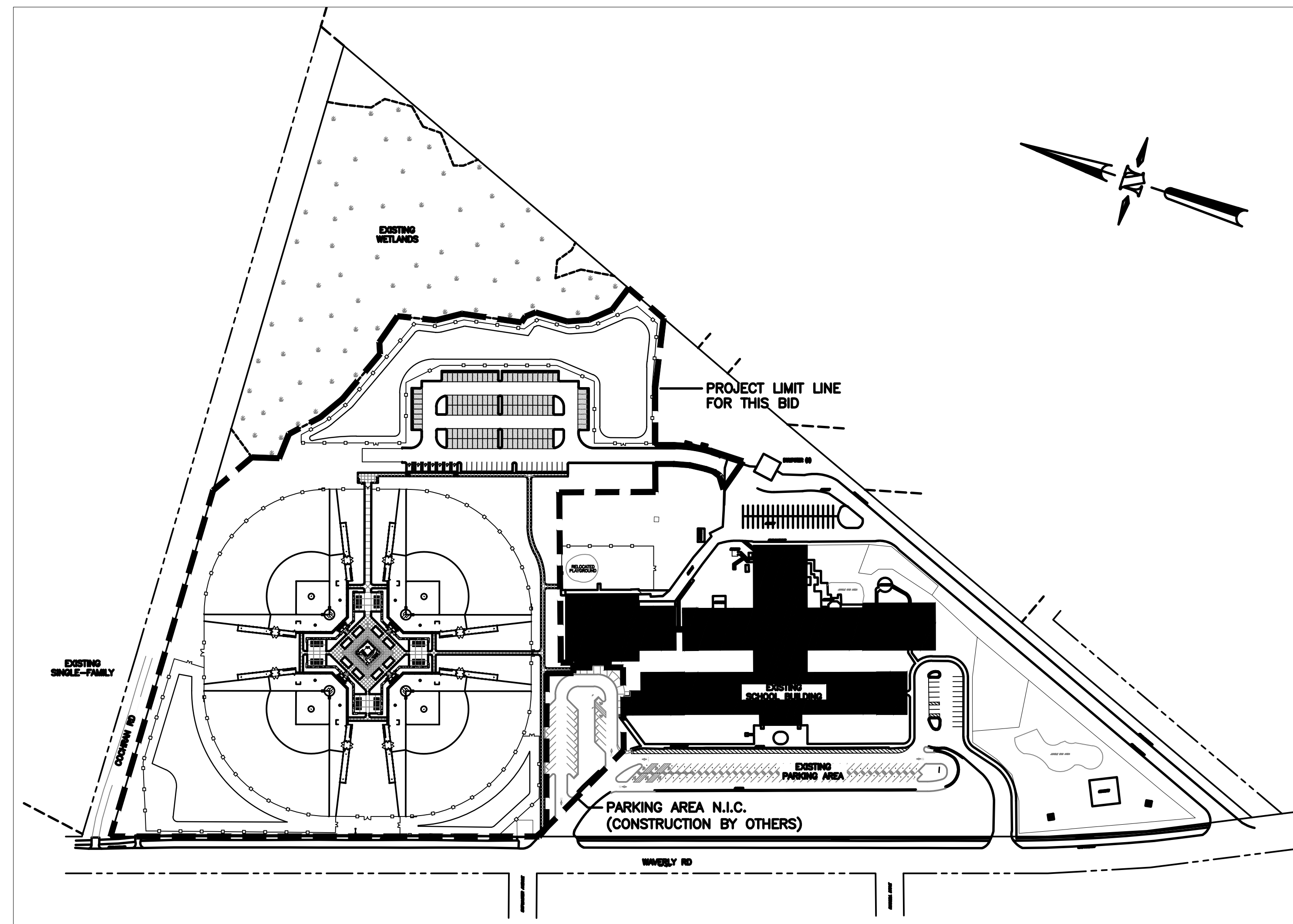


# WAVERLY PARK AT WACCAMAW ELEMENTARY SCHOOL

## GEORGETOWN COUNTY REGIONAL PARKS

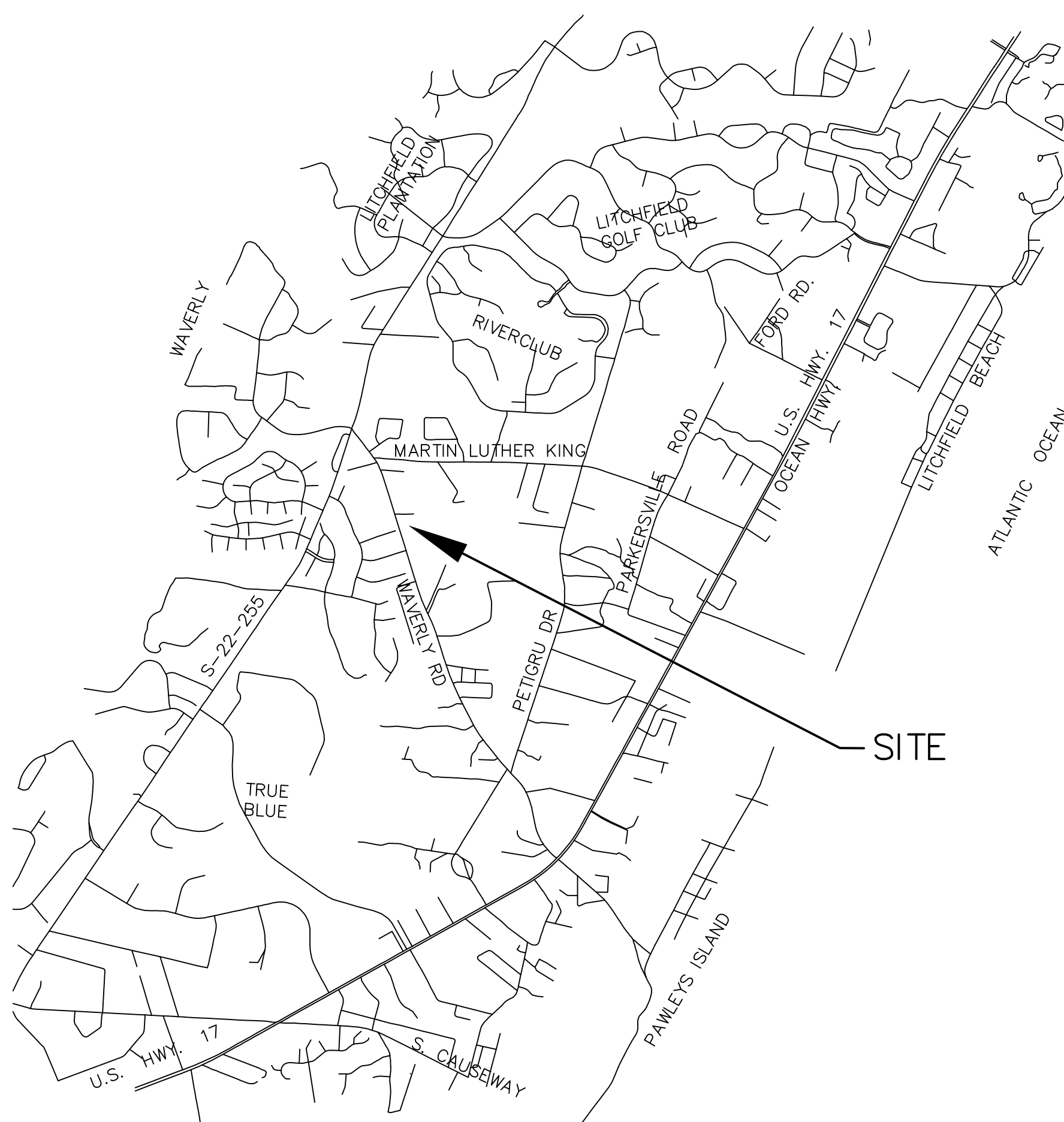
Bid Set Revision  
FEBRUARY 09, 2022



**SITE LAYOUT**  
NO SCALE

**SITE SPECIFIC NOTES**  
I. THIS IS AN ACTIVE SCHOOL SITE. EXTREME CAUTION TO BE OBSERVED AT ALL TIMES WHILE ON CAMPUS.  
II. NO CONSTRUCTION TRAFFIC WILL BE ALLOWED ON SCHOOL PARKING LOT DURING THE SCHOOL ARRIVAL (7:15-8:15A) AND SCHOOL DEPARTURE (1:15-2:15P). CONTRACTOR TO COORDINATE EXACT TIMES WITH OWNER.  
III. CONTRACTORS SHALL HAVE NO CONTACT WITH STUDENTS AT ANY TIME. VIOLATORS WILL BE PROSECUTED. STAFF AND STUDENT INITIATED INTERACTION SHALL BE REPORTED IMMEDIATELY TO OWNER.  
IV. EXISTING BALLFIELD FENCE, DUGOUTS, BACKSTOP AND OTHER VERTICAL ELEMENTS AS SHOWN ON DRAWINGS SHALL BE REMOVED BY OWNER. EXISTING BALLFIELD LIGHT POLES AND FIELD LIGHT FIXTURES SHALL BE REMOVED BY CONTRACTOR AND DELIVERED TO OWNER (COORDINATE SCHEDULE FOR REMOVAL WITH OWNER).  
V. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS AND BE RESPONSIBLE FOR LOCATING AND REMOVAL/RELOCATION OF ALL UTILITIES IN CONFLICT WITH THE WORK OF THE CONTRACT. INSURE SERVICE IS MAINTAINED AT ALL TIMES.

**LOCATION MAP**



**LIST OF DRAWINGS**

<b>GENERAL</b> G000 COVER SHEET G001 OSF BUILDING CODE ANALYSIS FORMS G002 OSF BUILDING CODE ANALYSIS FORMS	<b>LANDSCAPE ARCHITECTURE</b> L100 OVERALL SITE PLAN L101 KEY PLAN L102 LAYOUT PLAN L103 LAYOUT PLAN ENLARGEMENT L104 LIFE SAFETY, FIRE APPARATUS ROUTING & CONSTRUCTION COORDINATION PLAN L200 TREE PLAN L201 PLANTING PLAN L202 PLANTING PLAN ENLARGEMENT L203 PLANTING DETAILS & SCHEDULE L301 LANDSCAPE CONSTRUCTION DETAILS L302 LANDSCAPE CONSTRUCTION DETAILS L303 LANDSCAPE CONSTRUCTION DETAILS L304 LANDSCAPE CONSTRUCTION DETAILS	<b>ARCHITECTURE</b> A101 FLOOR PLAN CONCESSION A102 FLOOR/ROOF PLAN/EXTERIOR SCORE TOWER A151 ROOF PLAN CONCESSION A201 EXTERIOR ELEVATIONS CONCESSION A251 BUILDING SECTION CONCESSION A322 SECTIONS/DETAILS SCORE TOWER A301 WALL SECTIONS/PLAN DETAILS CONCESSION A401 FINISH SCHEDULE/DOOR SCHEDULE/DOOR DETAILS CONCESSION A501 ENLARGED RESTROOM PLANS A502 INTERIORS/ROOF DETAILS CONCESSION	<b>MECHANICAL</b> M100 MECHANICAL PLAN, NOTES, LEGEND & SCHEDULES
<b>GENERAL (ARCHITECTURE)</b> A001 KEYNOTE ABBREVIATIONS A011 CODE ANALYSIS & CONSTRUCTION DOCUMENTS	<b>IRRIGATION</b> IR1 IRRIGATION PLAN IR2 IRRIGATION PLAN IR3 IRRIGATION PLAN	<b>STRUCTURAL</b> S100 CONCESSIONS & SCORING TOWER NOTES S101 CONCESSIONS & SCORING TOWER NOTES S200 CONCESSIONS PLANS & NOTES S201 SCORING TOWER PLANS, SECTIONS & NOTES S300 CONCESSIONS SECTIONS & DETAILS S301 CONCESSIONS SECTIONS & DETAILS	<b>BUILDING ELECTRICAL</b> E100 ELECTRICAL PLANS & LEGEND E200 ELECTRICAL NOTES, DETAILS & SCHEDULES
<b>CIVIL</b> C001 SCOD NOTES C002 EXISTING CONDITIONS / DEMOLITION PLAN C102 CIVIL SITE PLAN C201 SEDIMENT AND EROSION CONTROL PLAN - PHASE 1 C202 SEDIMENT AND EROSION CONTROL PLAN - PHASE 2 C203 SEDIMENT AND EROSION CONTROL PLAN - PHASE 3 C204 SEDIMENT AND EROSION CONTROL DETAILS C301 DRAINAGE PLAN C302 DRAINAGE PROFILES C303 GRADING PLAN C304 ROAD PROFILE AND CROSS SECTIONS GRADING AND DRAINAGE DETAILS C401 WATER DISTRIBUTION AND SANITARY SEWER PLAN C402 WATER DISTRIBUTION AND SANITARY SEWER DETAILS C501 SITE DETAILS C502 SITE DETAILS	<b>HYDRO-ELECTRICAL</b> ES000 PHOTOMETRIC PLAN ES100 ELECTRICAL SITE PLAN ES200 ELECTRICAL SPECS & SCHEDULES	<b>PLUMBING</b> P100 PLUMBING PLANS, LEGEND & SCHEDULES P200 PLUMBING NOTES AND DETAILS P300 PEX PIPING SPECIFICATIONS	

**CODES AND REGULATIONS**

**CODES COMPLIANCE REVIEW AND RELATED INFORMATION (AS OF DATE 1/22/2021)**  
PROJECT DESIGNED IN ACCORDANCE WITH:  
A. The International Building Code, 2018 Edition with modifications for the SC Building Code  
B. The International Plumbing Code, 2018 Edition with modifications for the SC Building Code  
C. The International Mechanical Code, 2018 Edition with modifications for the SC Building Code  
D. The International Fire Code, 2018 Edition with modifications for the SC Building Code  
E. The National Electrical Code NFPA-70, 2017 Edition  
F. The National Electrical Safety Code ANSI/IEEE C2-2012 Edition  
G. (note removed)  
H. International Energy Conservation Code, 2009 Edition with modifications  
I. ASHRAE/IESNA 90.1-2004 & 2007, Energy Efficient Design of New Buildings  
J. ANSI/ASHRAE 62-2007, Ventilation for Acceptable Indoor Air Quality  
K. ICC/ANSI-A117.1-2017, Accessible and Usable Buildings and Facilities  
L. Americans with Disabilities Act (ADA), 2010 or latest edition and 2020 South Carolina School Facilities Planning and Construction Guide  
M. Erosion and Sediment Reduction and Stormwater Management Regulations (R.72-101 through R.72-108, latest revision)  
N. 2020 PLANNING GUIDE, OFFICE OF SCHOOL FACILITIES, SOUTH CAROLINA DEPARTMENT OF EDUCATION

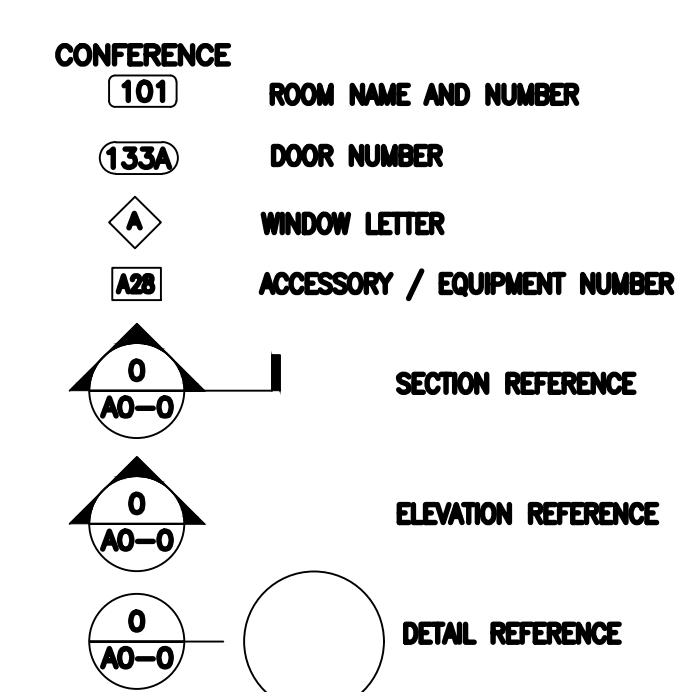
PROJECT NUMBER:  
19-004-04-R  
ISSUE DATE:  
02/09/2022  
DRAWN BY: JW / mfr  
CHECKED BY: SGA | NW

Bid Set  
Revised

**LIST OF ABBREVIATIONS**

<b>A</b> ALT. ALTERNATE <b>ALUM.</b> ALUMINUM <b>APPROX.</b> APPROXIMATELY <b>ARCH.</b> ARCHITECTURAL <b>AT.</b> ASPHALT TILE	<b>E</b> JT. JOINT <b>EA.</b> EACH <b>EL.</b> ELEVATION <b>EXT.</b> EXTERIOR <b>EXIST.</b> EXISTING	<b>J</b>	<b>L</b> PT. PTD. LIGHTING <b>L.T.G.</b> LIGHTING	<b>P</b> PNL. PANEL <b>P.T.</b> PRESSURE TREATED	<b>V</b> VENT. VENTILATION <b>VERT.</b> VERTICAL <b>VENT THRU ROOF</b>
<b>B</b> BLD. BOARD <b>BLDG.</b> BUILDING <b>BLK.</b> BLANK <b>BOT.</b> BOTTOM	<b>F</b> FNL. FINISH <b>FL.</b> FLOOR	<b>M</b> MAX. MAXIMUM <b>MIN.</b> MINIMUM <b>MISC.</b> MISCELLANEOUS	<b>R</b> REC'D. RECESSED <b>REQ.</b> REQUIRED	<b>S</b> SCH. SCHEDULE <b>SECT.</b> SECTION <b>SHT.</b> SHEET <b>SPEC.</b> SPECIFICATIONS <b>ST.</b> STEEL <b>STOR.</b> STORAGE <b>STRUC.</b> STRUCTURAL	<b>W</b> W.D. WITH <b>W/W.</b> WOOD <b>WD.</b> WINDOW DIMENSION
<b>C</b> CEM. CEMENT <b>CONC.</b> CONCRETE <b>CONN.</b> CONNECTION <b>CONST.</b> CONSTRUCTION	<b>G</b> GALV. GALVANIZED <b>GND.</b> GROUND	<b>N</b> N.A. NOT APPLICABLE <b>N.L.C.</b> NOT IN CONTRACT <b>NO.</b> NUMBER	<b>T</b> THK. THICKNESS <b>THD.</b> THRESHOLD <b>TYP.</b> TYPICAL		
<b>D</b> DET. DETAIL <b>DM.</b> DIMENSION <b>DWG. (S)</b> DRAWING(S)	<b>H</b> HT. HEIGHT <b>HW.</b> HARDWARE	<b>O</b> O.H. OVERHEAD <b>OPNG.</b> OPENING <b>OPP.</b> OPPOSITE			
	<b>I</b> INT. INTERIOR				

**SYMBOL LEGEND**



**PROJECT INFORMATION**

<b>A. TYPE OF CONSTRUCTION:</b>	NEW CONSTRUCTION
<b>B. PROJECT NAME:</b>	WAVERLY PARK AT WACCAMAW ELEMENTARY SCHOOL
<b>C. PROJECT ADDRESS:</b>	1364 WAVERLY ROAD, PAWLEYS ISLAND, SC 29585
<b>D. COUNTY:</b>	GEORGETOWN, SC
<b>E. LOCAL FIRE DEPARTMENT:</b>	MIDWAY FIRE & RESCUE
<b>F. WATER SUPPLY:</b>	GEORGETOWN COUNTY WATER & SEWER DISTRICT
<b>G. BUILDING INSPECTION DEPARTMENT:</b>	OFFICE OF SCHOOL FACILITIES, DEPARTMENT OF EDUCATION, STATE OF SOUTH CAROLINA
<b>H. ARCHITECT:</b>	SGA   NARMOUR WRIGHT DESIGN P.O. BOX 1859 / 8263 OCEAN HIGHWAY PAWLEYS ISLAND, SC 29585 PH: 843-237-3421

Revision Schedule		
#	Description	Date



FIRE RESISTANCE RATING OF BUILDING ELEMENTS						
DESIGNATED AREAS OF BUILDING	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6
As Required, Hrs						
Others (as required by Designer)						
As Designed, Hrs						
Testing Agency & Design No. (UL, FM, etc)						
Wall/Partition Key Code						

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Rev. 2/1/13

SOILS & SITE	
SOILS INVESTIGATION REQUIRED? (IBC 1803.2)	<input type="checkbox"/> no <input type="checkbox"/> yes
SOILS CLASSIFICATION	
Seismic Site Class (IBC 1613.5.2)	D
Classes of Soil Materials (UCS System) (IBC 1803.5.1)	4
Allowable Footing Bearing Pressure	2500 psf
MINIMUM DESIGN SOIL BEARING LOAD (IBC Table 1806.2)	2000 psf
COMPACTION	
Subgrade (ASTM D698, ASTM D1557) or (AASHTO only for paving & roads)	90 %
Base (ASTM D698, ASTM D1557) or (AASHTO only for paving & roads)	95 %
Other (ASTM D698, ASTM D1557) or (AASHTO only for paving & roads)	%
MINIMUM DESIGN SOIL LATERAL LOAD (IBC 1610.1)	30 psf
FOOTINGS	
Undisturbed footings	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
Compacted Fill Material (IBC 1804.5)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
ELEVATIONS	
Elevation of Water Table	5.7 MSL
Elevation of lowest footing	14.67 MSL
Elevation of lowest floor or basement	16.15 MSL

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Rev. 2/1/13

STRUCTURAL DESIGN INFORMATION, BUILDING	
WIND LOADS	
Analysis Procedure (ASCE 7 or IBC 1609.6)	V <sub>58</sub> = 148
Basic Wind Speed, MPS (3 sec gust IBC Fig 1609)	
Exposure Category	
Wind Importance Factor (ASCE 7-2016 Table 6.1)	I <sub>w</sub> = 1.0
Internal Pressure Coefficient (ASCE 7-2016)	G <sub>Cp</sub> = 0.18
External Pressure Coefficient (ASCE 7-2016)	G <sub>Ce</sub> =
Seismic Importance Factor (ASCE 7-2016)	I = 1.0
Soil Class (IBC 1613.5.2)	
Mapped Spectral Response Accelerations	S <sub>w</sub> = 0.397
Design Spectral Response Acceleration Parameters	S <sub>1</sub> = 0.137
	S <sub>0.1</sub> = 0.393
	S <sub>0.2</sub> = 0.212
SEISMIC LOADS	
Seismic Use Group (ASCE 7-2016 and Seismic Occupancy Category IBC)	D
Seismic Design Category (IBC Tables 1613.5.6(1) & 1613.5.6(2))	
Basic Seismic Force Resisting System	Bearing Wall
Design Base Shear	9 KIPS
Seismic Response Coefficient(s) (ASCE 7-2016)	C <sub>s</sub> = 0.08
Response Modification Factor(s) (ASCE 7-2016)	R = 5
Analysis Procedure	Force Method

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Rev. 2/1/13

FIRE SERVICE INFORMATION		
Service Line Size		6 Inches
Fire Department Connection	Location	hydrant at vehicular drop-off
Backflow	Location	corner of Waverly + Cochran Rd
	Type	testable double-check
	Date	12-9-2020
Fire Hydrant Flow Test	Flow	1080 GPM
	Residual	52 PSI
	Static	60 PSI

Summary of data from approved ASHRAE 90.1 compliance sheets.

MECHANICAL INFORMATION		
GENERAL INFORMATION		
Building Location	Pawleys Island, SC	
Climate Zone	8B	
Outdoor Design Temperature	Summer	98 deg F DB 92 deg F WB
	Winter	17 deg F DB 17 deg F WB
Indoor Design Temperature	Summer	70 deg F DB 50 % RH
	Winter	70 deg F DB 50 % RH
OUTSIDE AIR		
Occupied Minimum Outside Air	10 cfm per person	
CO2 Demand Management	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes	
Supervised Control System	<input checked="" type="checkbox"/> no <input type="checkbox"/> yes	
MECHANICAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT		
Briefly describe mechanical system:		
Package terminal heat pumps		

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FLOOD HAZARD INFORMATION and FLOOD LOADS	
FLOOD HAZARD AREA	
Base Flood Elevation (NGVD or FIRM)	'X' MSL
Design Flood Elevation IBC 1612.3 and ASCE 24	N/A MSL
NON HIGH-VELOCITY WAVE ACTION	
Elevation of Lowest Proposed Floor (Meet ASCE 24 Section 2.6.2.1)	MSL
Dry floodproofing ASCE 24	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
HIGH-VELOCITY WAVE ACTION	
Elevation of bottom of Lowest Horizontal Structural Member of lowest floor	MSL
Flotation resistant (ASCE 24)	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes
Breakaway wall per ASCE 24	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes

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Rev. 2/1/13

*The Designer(s) of Record shall determine the material and/or work on the project requiring Special Inspections. The Special Inspection requirements shall be based on Section 1704 of the 2018 International Building Code. Any deviations from the requirements of Section 1704 must be approved by OSF. Per IBC Chapter 16 and ASCE 7 - This information may be shown on initial Structural Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.*

STATEMENT OF SPECIAL INSPECTIONS				
MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY
Soils (Compacted Fill)	Test in place dry density of compacted fill	Periodic/Continuous		Owner Third Party Agency
Concrete Foundations	Test Concrete strength	Periodic		Owner Third Party Agency
Concrete Masonry Units	Test Compressive strength of mortar & grout	See masonry inspection chart		Owner Third Party Agency
Wood Roof Diaphragm		Periodic		Owner Third Party Agency
Connection Hardware		Periodic		Owner Third Party Agency

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*Per IBC Chapter 16 and ASCE 7 - Structural tables may be shown on initial Structural Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.*

STRUCTURAL DESIGN INFORMATION, AREA							
OCCUPANCY CATEGORY (IBC Table 1604.5)	Area 1						
LIVE LOAD FOR EACH OCCUPANCY TYPE (IBC Figure 1608.2 or ASCE 7)	Floor Live Load, F <sub>l</sub>	125 PSF	PSF	PSF	PSF	PSF	PSF
	Roof Live Load, R <sub>l</sub>	20 PSF	PSF	PSF	PSF	PSF	PSF
	Ground Snow Load, S <sub>g</sub>	10 PSF	PSF	PSF	PSF	PSF	PSF
MISCELLANEOUS LOADS BY SPECIAL USE AREA (ARCHITECTURAL, MECHANICAL, DATA CENTER, ETC., ASCE 7)		PSF	PSF	PSF	PSF	PSF	PSF

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*Provide a table for each structure.*

PLUMBING INFORMATION	
WATER SYSTEM	
Service Line Size	1.5 Inches
Distribution Design Criteria (IPC Table 604.3)	18 Fixture Units
Maximum Flow Rate (IPC Table 604.4)	18 GPM
Backflow	Location on-site
Test Pressure	65 psi
SANITARY SEWER SYSTEM	
Service Line Size	4 Inches
Drainage Design Criteria (IPC Tables 709.1 and 709.2)	26 Fixture Units
Maximum Flow Rate	1000 GPD
Slope (IPC Table 704.1)	0.12 Inches/Ft
MINIMUM PLUMBING FIXTURES REQUIRED/PROVIDED (IPC Section 403 & Table 403.1)	
For structures with multiple building areas and/or occupancy groups, show calculations for shared fixtures. Expand table as needed.	
Applicable area(s)	
Most restrictive area	
Fixture counts required	

CODE REQUIRED BUILDING FIXTURE COUNTS		
Water Closets	Male-Required	1
	Male WC -Provided	1
	Female-Required	2
Lavatories	Male-Required	1
	Male-Provided	1
	Female-Required	1
Showers	Male-Required	0
	Male-Provided	0
	Female-Required	0
Drinking Fountains	Required	2
	Provided	2
	Required	1
Family or Assisted Use	Required	1
	Provided	1
Service Sink	Required	1
	Provided	1
Others (list)	Required	0
	Provided	0

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ELECTRICAL INFORMATION		
SERVICE TRANSFORMER	<input checked="" type="checkbox"/> By Utility	KVA Primary
	<input type="checkbox"/> By District	120/240 / Single Phase Voltage/Phase
ELECTRICALSERVICE INFORMATION		
Service Voltage/Phase	225/1 Amperes	
Service Entrance Conductors Size	410/1 Qty per Phase	
Total Connected Load	59 KVA	
Estimated Maximum Demand	47 KVA	
Available Fault Current in Symmetrical Amperes	10,000	
Interrupting Capacity of Service Overcurrent Device	10,000	
GROUNDING ELECTRODE SYSTEM COMPONENTS (NEC 250)	3 ground rods spaced 10' apart	
EMERGENCY SERVICE INFORMATION		
Emergency Generator	<input type="checkbox"/> no <input checked="" type="checkbox"/> yes	KVA
	Fuel	Voltage/Phase
Exit/Emergency Lights Backup Power	<input checked="" type="checkbox"/> Integral Battery	
	<input type="checkbox"/> Generator	
Fire Alarm System	<input type="checkbox"/> Manual	<input type="checkbox"/> Class A
	<input type="checkbox"/> Automatic	<input type="checkbox"/> Class B

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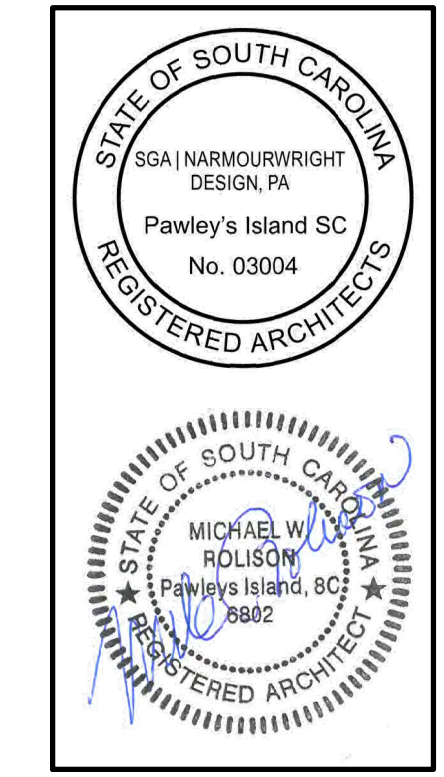
Rev. 2/1/13

LIGHTNING PROTECTION PROVIDED		
<input checked="" type="checkbox"/> no <input type="checkbox"/> yes		
Summary of data from approved ASHRAE 90.1 compliance sheets.		
ENERGY INFORMATION		
INSULATION		
Roof	Cavity	38 R
	Continuous	R
Walls	Cavity	0 R
	Continuous	0 R
Underlab		0 R
GLAZING (each type)		
Window to wall ratio	North	0 %
	East	0 %
	South	0 %
	West	0 %
Glass Type	U Factor	
	SHG	

SGA  
NarmourWright  
DESIGN

8263 Ocean Highway  
Pawleys Island, SC 29585  
p 843.237.3421  
www.sganwdesign.com

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WAVERLY PARK  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

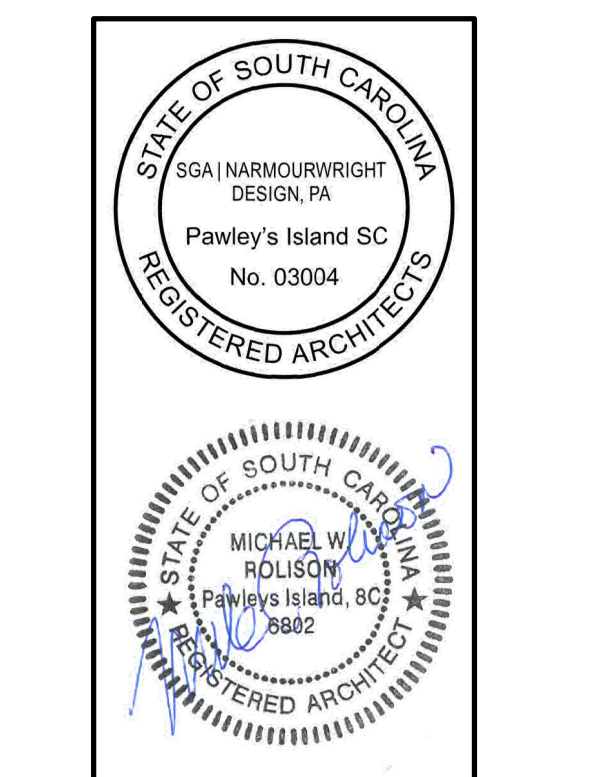
PROJECT NUMBER:  
19-004-04-R  
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Bid Set  
Revised

Revision Schedule		
#	Description	Date

OSF  
BUILDING CODE  
ANALYSIS FORMS

G002



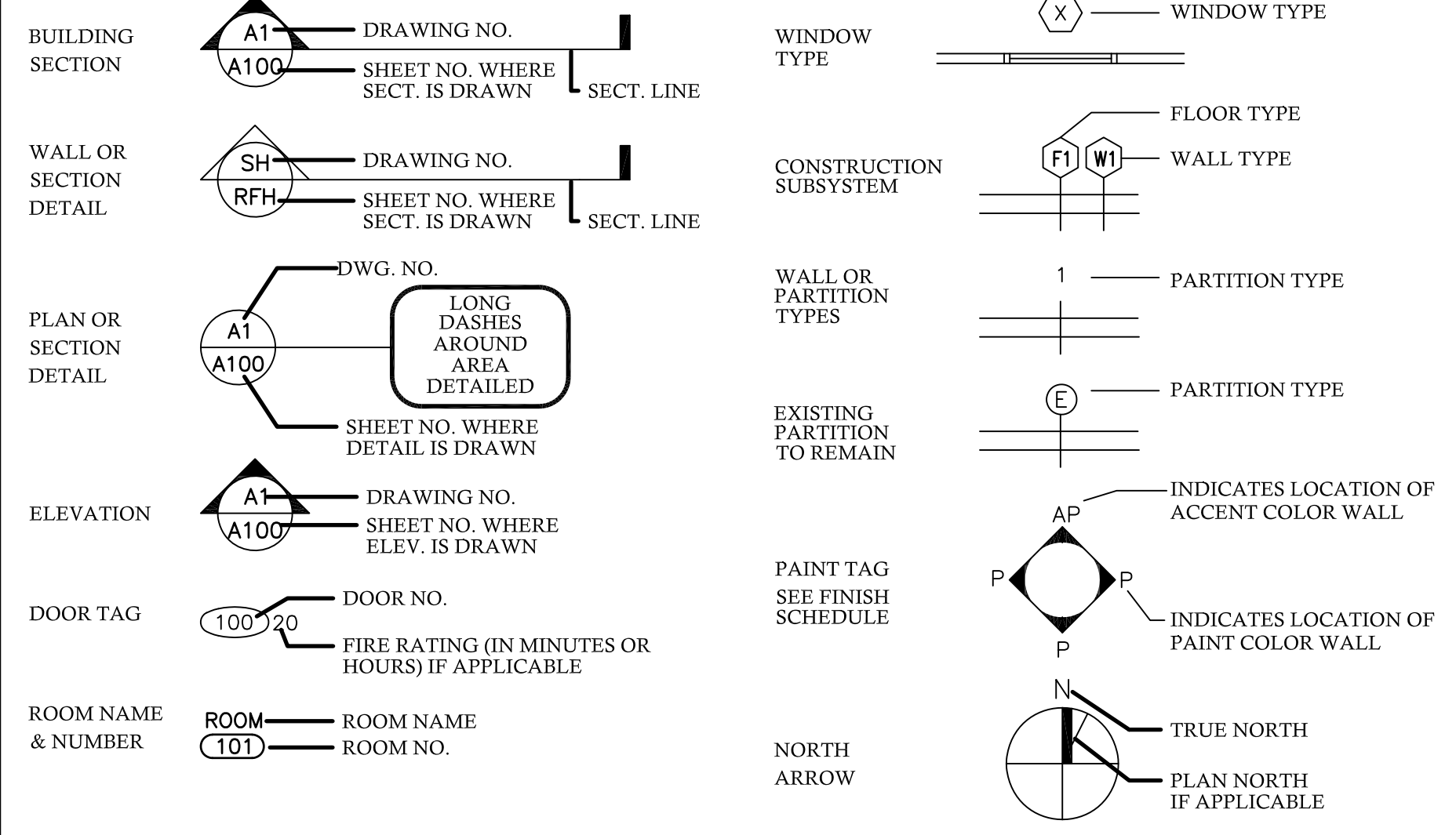
MASTER KEYNOTE LEGEND

SECTION 033000 033000.A 033000.B 033000.C 033000.D 033000.E 033000.F 033000.G 033000.H 033000.J 033000.K 033000.L	CAST-IN-PLACE CONCRETE CONCRETE THICKENED SLAB EDGE CONCRETE FOOTING CONCRETE GRADE BEAM ISOLATION JOINT MATERIAL CONCRETE SLAB-ON-GRADE CONCRETE RAMP CONCRETE STAIRS STEEL REINFORCEMENT VAPOR RETARDER GRANULAR BASE CONCRETE RETAINING WALL	SECTION 055000 055000.A 055000.B 055000.C 055000.D 055000.E 055000.F 055000.G 055000.H	METAL FABRICATIONS STEEL LADDER STEEL LINTEL SHELF ANGLE STEEL ANGLE NOSING PIPE BOLLARD ANCHOR BOLT EXPANSION BOLT	SECTION 064013 064013.A 064013.B 064013.C 064013.D 064013.E 064013.F 064013.G	EXTERIOR ARCHITECTURAL WOODWORK WOOD TRIM TIMBER BRACKET TIMBER BEAM WOOD DECK ( ) WOOD PICKET ( ) WOOD RISER WOOD RAIL ( )	SECTION 074113 074113.A 074113.B 074113.C 074113.F 074113.G 074113.H 074113.I 074113.J 074113.K 074113.L	METAL ROOF PANELS METAL ROOF PANEL RIDGE CLOSURE FASCIA METAL TRIM/FLASHING UNDERLAYMENT FASTENER CONTINUOUS CLEAT PANEL CLIP FRAME ANCHOR Z CLOSUKRE	SECTION 079200 079200.A 079200.B	JOINT SEALANTS JOINT SEALER BACKER ROD	SECTION 089100 089100.A 089100.B 089100.C 089100.D	LOUVERS METAL WALL LOUVER SILL PAN SHIM HEAD FLASHING	SECTION 081113 081113.A 081113.B 081113.C 081113.D	HOLLOW METAL DOORS AND FRAMES HM DOOR HM FRAME LOUVER FRAME ANCHOR	SECTION 083323 083323.A 083323.B	OVERHEAD COILING DOORS OVERHEAD COILING DOOR COILING DOOR TRACK	SECTION 087100 087100.A	DOOR HARDWARE ALUMINUM THRESHOLD	SECTION 088000 088000.A 088000.B 088000.C	GLAZING INSULATED IMPACT RESISTANT GLASS FLOAT GLASS TEMPERED GLASS	SECTION 099300 099300.A 101400 101400.A 102800 102800.A 102800.B 104400 104400.A 104400.B	STAINING AND TRANSPARENT FINISHING STAIN SIGNAGE SIGN TOILET AND BATH ACCESSORIES GRAB BAR ( ) WARM AIR DRYER FIRE PROTECTION SPECIALTIES FIRE EXTINGUISHER BRACKET PORTABLE FIRE EXTINGUISHER/BACKET
SECTION 042000 042000.A 042000.B 042000.C 042000.D 042000.E 042000.F 042000.G 042000.H 042000.J 042000.K 042000.L 042000.M 042000.N 042000.O 042000.P 042000.Q	UNIT MASONRY FACE BRICK ROWLOCK SOLID BRICK SILL SOLDIER COURSE CMU ( ) CMU BOND BEAM MASONRY CONTROL JOINT MASONRY JOINT REINFORCEMENT REINFORCING WEEP VENT COMPRESSIBLE FILLER CAVITY WALL INSULATION THROUGH WALL FLASHING GROUT SOLID MASONRY ANCHOR CAVITY MORTAR CONTROL	SECTION 061000 061000.A 061000.B 061000.C 061000.D 061000.E 061000.F 061000.G 061000.H	ROUGH CARPENTRY WOOD WALL FRAMING ( ) WOOD JOIST ( ) WOOD RAFTER ( ) LIMBER (X ) WOOD BLOCKING PLYWOOD EXTERIOR GRADE PLYWOOD	SECTION 064023 064023.A 064023.B 064023.C 064023.D 064023.E 064023.F 064023.G 064023.H 064023.J 064023.K 064023.L 064023.M 064023.N 064023.P	INTERIOR ARCHITECTURAL WOODWORK PLASTIC LAMINATE CABINETS MARINE PLYWOOD COUNTERTOP W/PEDGE BAND ADJUSTABLE SHELVES FIXED SHELF OPEN SHELF SHELF STANDARDS & SUPPORTS STAINLESS STEEL COUNTER WRAP WOOD TRIM WOOD STAIRS WOOD TREAD WOOD RISER WOOD HANDRAIL HANDRAIL BRACKET WOOD RAILING	SECTION 074600 074600.A 074600.C 074600.D 074600.E 074600.F	SIDING CEMENT BOARD SIDING SIDING TRIM/FLASHING CORNER POST FASCIA CEMENT BOARD TRIM	SECTION 076200 076200.A 076200.B 076200.C 076200.D 076200.E 076200.F 076200.G 076200.H 076200.J 076200.K 076200.L	SHEET METAL FLASHING AND TRIM DRIP EDGE SILL FLASHING EAVE FLASHING HEAD FLASHING SHEET METAL REGLET BASE FLASHING COUNTERFLASHING CONTINUOUS CLEAT ROOF PENETRATION FLASHING SHEET METAL TRIM COLUMN CAP	SECTION 071113 071113.A	BITUMINOUS DAMPPROOFING BITUMINOUS DAMPPROOFING	SECTION 072100 072100.A	THERMAL INSULATION BLANKET INSULATION WITH VAP. BARR.	SECTION 061753 061753.A	SHOP-FABRICATED WOOD TRUSSES WOOD TRUSS						
SECTION 051200 051200.A 051200.B 051200.C	STRUCTURAL STEEL STEEL BEAM STEEL COLUMN STEEL ANGLE	SECTION 061753 061753.A	SHOP-FABRICATED WOOD TRUSSES WOOD TRUSS	SECTION 072100 072100.A	THERMAL INSULATION BLANKET INSULATION WITH VAP. BARR.																

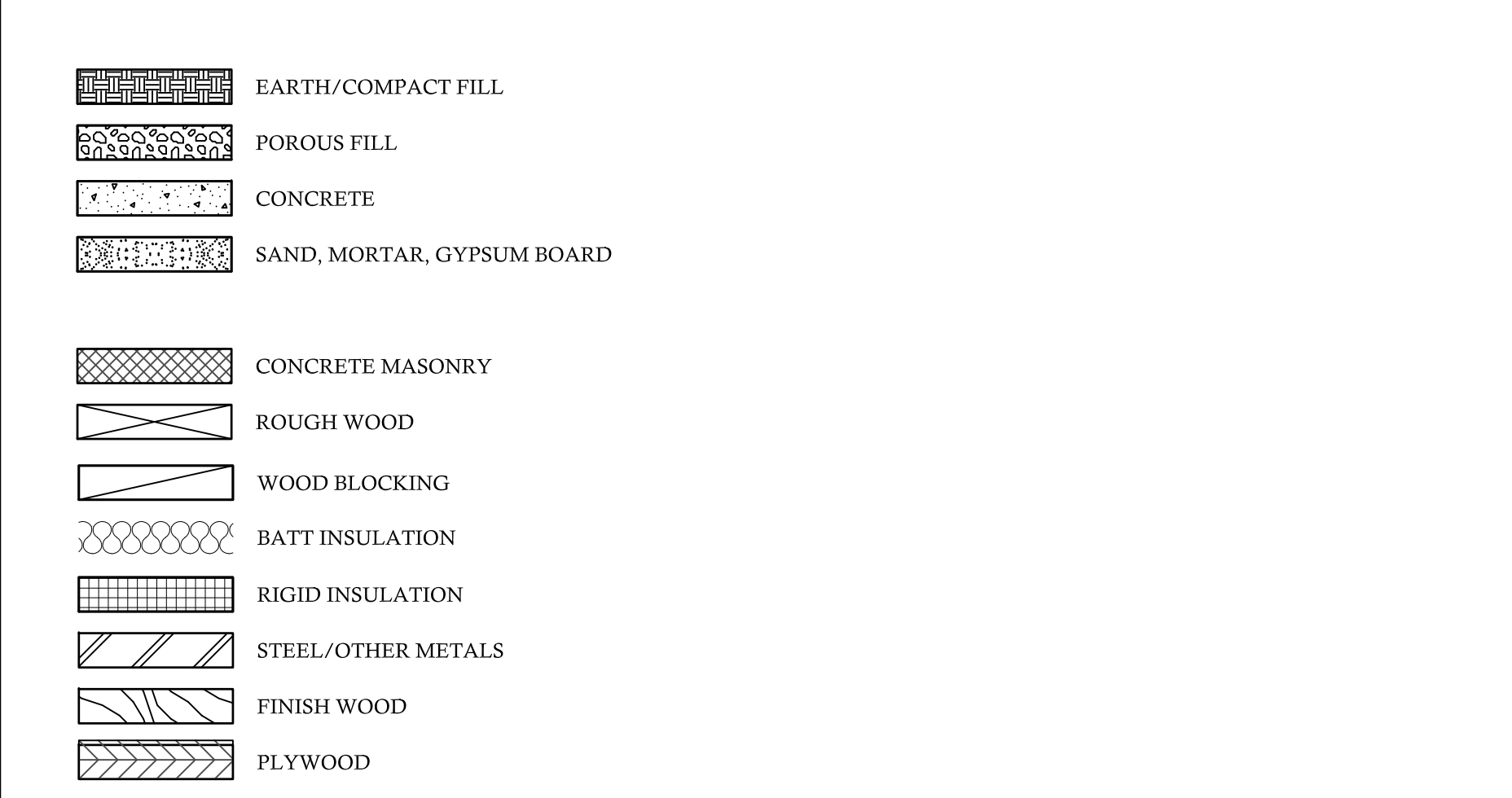
LIST OF ABBREVIATIONS

<b>A</b>	<b>F</b>	<b>N</b>	<b>T</b>
A/C AIR CONDITIONED AD AREA DRAIN AFF ABOVE FINISH FLOOR AHU AIR HANDLING UNIT ALT ALTERNATE ALUM ALUMINUM A.O. ACCESS OPENING APC ACOUSTICAL PANEL CEILING APPROX. APPROXIMATELY ARCH. ARCHITECTURAL CASEWORK ACW ARCHITECTURAL CASEWORK A.T. ASPHALT TILE ACT ACOUSTIC CEILING TILE	FA FIRE ALARM F.C. FLEXIBLE CONNECTION FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FGC FIRE EXTINGUISHER CABINET FIN. FINISH FL FLOOR FT. FOOT-FEET FTG. FOOTING FRTW FIRE RETARDANT TREATED WOOD	NA. NOT APPLICABLE N.I.C. NOT IN CONTRACT NUMBER O. OUTDOOR AIR ON CENTER OD. OUTSIDE DIAMETER OH. OVERHEAD OL. OVERLOAD OPG. OPENING OPP. OPPOSITE ORD. OVERFLOW ROOF DRAIN O.S. OPEN STRUCTURE OTD. OPEN TO DECK	TEL. TELEPHONE TEMP. TEMPERATURE THK. THICKNESS THD. THRESHOLD TOL. TOLERANCE T.O.P. TOP OF PARAPET TYP. TYPICAL
<b>B</b>	<b>G</b>	<b>P</b>	<b>U</b>
BAL. BALANCE BD. BOARD BLDG. BUILDING BLK. BLANK BM. BEAM BOT. BOTTOM BRG. BEARING BTUH. BRITISH THERMO UNIT/HR.	GA. GAUGE GAL. GALLON CALV. GALVANIZED G.L. GLASS GND. GROUND GOVT. GOVERNMENT GPH. GALLONS/HR. GPM. GALLONS/MIN. GR. GRILLE GWB. GYPSUM WALL BOARD GYP. GYPSUM	PART. PARTITION PER. PERMETER PL. PLATE PLAS. PLASTER PLBG. PLUMBING PLYWD. PLYWOOD PNL. PANEL PTWD. PRESSURE TREATED WOOD PRESS. PRESSURE PSF. POUNDS/SQUARE FOOT PSI. POUNDS/SQUARE INCH PSQ. POUNDS/SQUARE INCH GAGE PT. POINT PTD. PAINTED PTWD. PRESSURE TREATED WOOD	UNO. UNLESS NOTED OTHERWISE
<b>C</b>	<b>H</b>	<b>Q</b>	<b>W</b>
CAB. CABINET CAP. CAPACITY C/B. CIRCUIT BREAKER CD. CEILING DIFFUSER CEM. CEMENT CER. CERAMIC CFM. CUBIC FEET/MINUTE CIRC. CIRCULATING CJ. CONTROL JOINT CKCD. CHECKERED CKT. CIRCUIT CL. CENTER LINE CLG. CEILING CL. CLOSET CMU. CONCRETE MASONRY UNIT C.O. CLEAN OUT COL. COLUMN CONC. CONCRETE COND. CONDENSATE CONN. CONNECTION CONST. CONSTRUCTION CONT. CONTINUOUS CPT. CARPET CT. CERAMIC TILE CTB. CERAMIC TILE BASE	HB. HOSE BIBB H.C. HOLLOW CORE HT. HEIGHT HM. HOLLOW METAL HP. HORSE POWER HR. HOUR HTG. HEATING HT. HEATER HW. HARDWARE HYD. HYDRANT	QTR. QUARTER QUAN. QUANTITY QT. QUARRY TILE	W. WATT WB. WALL BASE W. WOOD WF. WIDE FLANGE WG. WATER GAGE WP. WEATHERPROOF WTR. WATER WWF. WELDED WIRE FABRIC
<b>D</b>	<b>I</b>	<b>R</b>	<b>S</b>
DET. DETAIL DIA. DIAMETER DIFF. DIFFUSER DIM. DIMENSION DISC. DISCONNECT DN. DOWN DR. DRAIN DS. DOWN SPOUT DWG. (S) DRAWING(S)	I.D. INSIDE DIAMETER IN. INCHES INCAND. INCANDESCENT INSUL. INSULATION INT. INTERIOR	R. RISER R.A. RETURN AIR RAD. RADIUS RD. ROUND REC'D. RECESSED RECIRC. RECIRCULATING RECP. RECEPTACLE RENF. REINFORCING REQD. REQUIRED RET. RETURN RG. RETURN GRILLE RM. ROOM RMG. REINFORCED MASONRY GROUT RPM. REVOLUTION/MINUTE	S. SUPPLY SA. SUPPLY AIR SCH. SCHEDULE SECT. SECTION SERV. SERVICE SFG. STOREFRONT GLAZING SGL. SEMI-GLOSS SHT. SHEET S.J. SLIP JOINT SPEC. SPECIFICATIONS SF. SQUARE FEET STL. STEEL STOR. STORAGE STRUC. STRUCTURAL SUSP. SUSPENDED SY. SHEET VINYL SW. SWITCH
<b>E</b>	<b>J</b>	<b>S</b>	
EA. EACH E.C. EMPTY CONDUIT EF. EXHAUST FAN EL. ELEVATION EIFS. EXTERIOR INSULATION FINISH SYSTEM ELEC. ELECTRIC E.P. EPOXY PAINT EQUIP. EQUIPMENT E.W.C. ELECTRIC WATER COOLER EXH. EXHAUST EXP. JT. EXPANSION JOINT EXT. EXTERIOR EXG. EXISTING	J.B. JUNCTION BOX JST. JUNCTION JOINT	S. SUPPLY SA. SUPPLY AIR SCH. SCHEDULE SECT. SECTION SERV. SERVICE SFG. STOREFRONT GLAZING SGL. SEMI-GLOSS SHT. SHEET S.J. SLIP JOINT SPEC. SPECIFICATIONS SF. SQUARE FEET STL. STEEL STOR. STORAGE STRUC. STRUCTURAL SUSP. SUSPENDED SY. SHEET VINYL SW. SWITCH	

REFERENCE SYMBOLS



MATERIAL SYMBOLS



**WAVERLY PARK**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER:  
19-004-04-R  
ISSUE DATE:  
02/09/2022  
DRAWN BY: JW / mr  
CHECKED BY: SGA | NW

Bid Set  
Revised

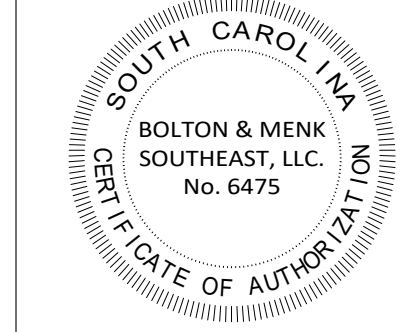
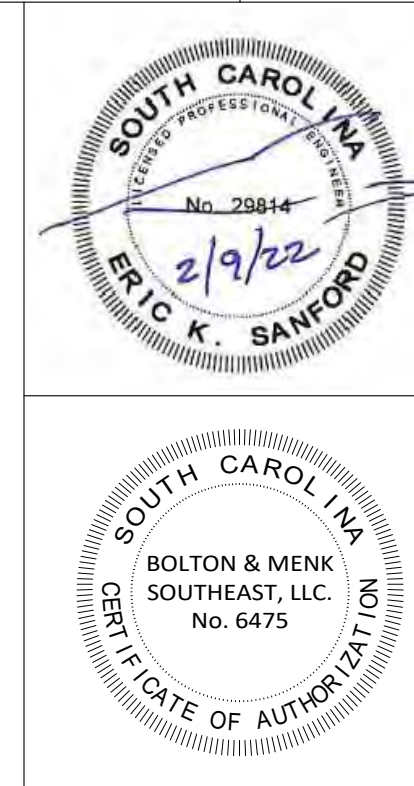
Revision Schedule		
#	Description	Date

KEYNOTES  
ABBREVIATIONS

**AG001**

**SCDOT STANDARD NOTES:**

1. THERE CAN BE NO WORK PERFORMED IN THE SCDOT R/W BEFORE AN ENCROACHMENT PERMIT HAS BEEN ISSUED AND A PRECONSTRUCTION MEETING HAS BEEN HELD. THE PROPERTY OWNER AND CONTRACTOR MUST SCHEDULE AND ATTEND THE PRECONSTRUCTION MEETING.
2. ANY WORK PERFORMED BEFORE THE PRECONSTRUCTION MEETING WILL HAVE TAKEN PLACE WITHOUT SCDOT KNOWLEDGE, OVERSIGHT, AND CONSENT AND SHALL BE SUBJECT TO REMOVAL BY THE APPLICANT AND/OR AT THE APPLICANT'S EXPENSE.
3. ANY REVISIONS TO THIS APPROVED PLAN SET MUST HAVE PRIOR, WRITTEN APPROVAL FROM SCDOT OR ARE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE.
4. THE CONSTRUCTION ENTRANCE MUST BE ESTABLISHED AT THE LOCATION DESIGNATED IN THIS PLAN SET AND ACCORDING TO SCDOT TYPICAL 815-505-00. NO ADDITIONAL ENTRANCES OR LOCATIONS OTHER THAN SHOWN IN THIS PLAN SET ARE ALLOWED WITHOUT WRITTEN NOTICE FROM SCDOT. APPROVED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PROPERLY AND SHALL BE MAINTAINED AT ALL TIMES. KEEP ROADWAY PROTECTED AND SWERT OFF AT ALL TIMES. ANY ADDITIONAL EXISTING DRIVEWAYS OR CONSTRUCTION ENTRANCES, IF ANY, SHALL BE REMOVED FROM SCDOT RIGHT OF WAY AT NO EXPENSE TO SCDOT.
5. NO DEWATERING ACTIVITIES SHALL BE PERFORMED WITHIN SCDOT R/W OR BRING FORTH WATER TO THE SCDOT RIGHT OF WAY BY DIRECT OR INDIRECT METHODS.
6. POST DEVELOPMENT STORMWATER FLOWS TO THE SCDOT R/W CANNOT EXCEED PREDEVELOPMENT FLOW RATES AT ANY TIME FOR ANY REASON.
7. THE APPLICANT IS SOLELY RESPONSIBLE FOR REPAIRS OF ANY AND ALL DAMAGE TO THE TRAVEL WAY DUE TO ANY WORK ALONG THE FRONTAGE OF THIS SITE, AT NO EXPENSE TO SCDOT AND ALL REPAIRS MUST MEET CURRENT SCDOT STANDARDS.
8. ANY DAMAGE TO THE TRAVEL LANE WILL REQUIRE A FULL DEPTH ASPHALT PATCH AND TOTAL ROADWAY (ALL ADJACENT TRAVEL LANES) ASPHALT OVERLAY. PATCHES LARGER THAN A FEW SQUARE FEET OR EXTENDING PAST 1 FOOT INTO THE TRAVEL LANE SHALL REQUIRE AN OVERLAY OF THE ENTIRE WIDTH OF THE EXISTING TRAVEL WAY FOR 50 FEET BEYOND EACH SIDE OF THE FULL DEPTH PATCH. ALL OF THIS WORK WILL BE SOLELY AT THE EXPENSE OF THE APPLICANT AND MUST MEET CURRENT SCDOT STANDARDS.
9. BEFORE INSTALLATION OF ANY NEW DRIVEWAY, THE EXISTING TRAVEL EDGE MUST BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM EDGE ALONG THE MOUTH OF THE PROPOSED DRIVEWAY. CARE MUST BE TAKEN TO NOT TO DAMAGE THE EDGE ONCE CUT. ANY DAMAGE TO THE TRAVEL LANE MUST BE REPAIRED AT THE APPLICANT'S EXPENSE.
10. PAVEMENT SECTION IN THE SCDOT R/W SHALL BE, AT A MINIMUM:
  - a. 6 INCHES OF COMPACTED GABC
  - b. 4 INCHES OF COMPACTED TYPE B BINDER COURSE HOT MIX ASPHALT
  - c. 2 INCHES OF COMPACTED TYPE B SURFACE COURSE HOT MIX ASPHALT
 SEE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR SURFACE COURSE HOT MIX ASPHALT INSTALLATION TIME AND TEMPERATURE RESTRICTIONS AND THERMO PLASTIC TIME AND TEMPERATURE RESTRICTIONS.
  - d. 8 INCHES OF COMPACTED GABC
  - e. 4 INCHES OF 4,000 PSI CONCRETE
 NO REINFORCEMENT WIRE, REBAR, OR METAL OF ANY KIND IS PERMITTED
11. DRIVEWAY LANES SHALL BE A MINIMUM OF 12 FEET IN WIDTH MEASURED FROM EDGE TO EDGE OF ASPHALT.
12. DRIVEWAY RADII SHALL BE 30 FEET. (UNLESS NOTED OTHERWISE ON THE SCDOT APPROVED PLANS.
13. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH REFLECTIVE BEADS PER SECTION 627 OF THE SCDOT STANDARD SPECIFICATIONS:
  - a. ALL WHITE MARKINGS SHALL BE 125 MIL MINIMUM THICKNESS
  - b. ALL YELLOW MARKINGS SHALL BE 90 MIL MINIMUM THICKNESS
14. ALL PERMANENT SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS PER SCDOT STANDARD DRAWING 651-110-00 AND SHALL HAVE A 7 VERTICAL FOOT CLEARANCE FROM THE GROUND TO THE BOTTOM OF THE SIGN.
15. DRIVEWAYS SHALL BE CONSTRUCTED TO HAVE A MINIMUM OF A 2 FOOT GRASSED SHOULDER ON EACH SIDE OF THE DRIVEWAY THROAT.
16. DITCH SLOPES SHALL BE NO STEEPER THAN 3H:1V.
17. ALL DRIVEWAY CULVERTS SHALL BE INSTALLED AND SEALED ACCORDING TO SCDOT TYPICAL 714-205-01 DETAIL 4 AND 5 WITH AN AASHTO M 315 RUBBER GASKET SEAL, ON PROPER GRADE TO ALLOW FOR POSITIVE STORM WATER FLOW WITHIN THE PIPE AND TO/FROM ADJACENT PIPES/CROSS LINES.
18. ALL CULVERTS INSIDE OF THE SCDOT R/W ARE TO BE INSTALLED WITH BEVELED ENDS PER SCDOT STANDARD DRAWING 719-610-00 AND SEALED PER SCDOT STANDARD DRAWING 714-205-01 AND CANNOT BE COVERED UNTIL AFTER AN INSPECTION BY THE SCDOT INSPECTOR ASSIGNED TO THE PROJECT AT THE REQUIRED SCDOT PRECONSTRUCTION MEETING.
19. LANE CLOSURES ARE REQUIRED FOR ALL WORK WITHIN ONE FOOT OF THE TRAVEL WAY. SEE SCDOT LOCAL MAINTENANCE WORK RESTRICTIONS FOR ADDITIONAL INFORMATION.
20. SHOULDER CLOSURES ARE REQUIRED FOR ALL WORK IN THE SCDOT R/W BEYOND ONE FOOT FROM THE TRAVEL WAY.
21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE ALL REQUIRED INSPECTIONS IN ADVANCE. IF WORK REQUIRING INSPECTION IS PERFORMED WITHOUT PRIOR NOTICE BEING GIVEN TO SCDOT, THAT INSTALLATION SHALL BE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE. SEVERAL MEANS OF CONTACT WILL BE GIVEN AT THE PRECONSTRUCTION MEETING. FAILURE TO OBTAIN CONTACT IS NOT AN APPROVAL TO PROCEED WITH ANY WORK.
22. NO VEGETATION INSTALLED ON PRIVATE PROPERTY SHALL BLOCK THE SCDOT SIGHT TRIANGLES OR SIGHT DISTANCES FOR MOTORISTS INGRESS OR EGRESSING FROM APPROVED DRIVEWAYS AND OR ROADWAY INTERSECTIONS. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR KEEPING OFFSITE LANDSCAPINGS PROPERLY MAINTAINED TO IMPROVE ALL SIGHT DISTANCES. THE PROPERTY OWNER SHALL ALSO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGES TO SIDEWALK, DRIVEWAY OR ROADWAY, UTILITY, DRAINAGE OR OTHER STRUCTURES DAMAGED DUE TO THE INSTALLATION OR EXISTENCE OF OFFSITE LANDSCAPING.
23. THE DEPARTMENT SHALL NOT BE RESPONSIBLE FOR DAMAGE TO ANY UTILITY STRUCTURES LOCATED WITHIN THE RIGHT-OF-WAY AS A RESULT OF ROUTINE HIGHWAY MAINTENANCE OPERATIONS. THESE STRUCTURES INCLUDE BUT ARE NOT LIMITED TO ARV, METERS, VALVES, MANHOLES, ALL TYPE OF PEDESTALS AND UTILITY LINES (OVERHEAD AND/OR UNDERGROUND). THE APPLICANT SHOULD USE MECHANICAL MOWERS TO CUT AROUND THESE TYPE STRUCTURES TO INCREASE VISIBILITY FOR HIGHWAY MAINTENANCE WORKERS.
24. APPLICANT IS RESPONSIBLE FOR THE INSTALLATION AND SECURING OF ANY VALVE OR MANHOLE RISERS AS NEEDED.
25. THE DEPARTMENT SHALL BE HELD HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS, DAMAGES AND LOSSES ASSOCIATED WITH WORK AS APPROVED UNDER THIS PERMIT APPLICATION. ANY SUCH DAMAGE CLAIMS RECEIVED BY THE DEPARTMENT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO PROCESS ACCORDINGLY. THE HOLD HARMLESS AGREEMENT SHALL BE FOR THE LIFE OF THE FACILITY, STRUCTURE(S) OR ENCROACHMENT AS IT REMAINS WITHIN PUBLIC RIGHT-OF-WAY.
26. APPLICANT IS RESPONSIBLE FOR THE REPAIR OF ANY TRAFFIC SIGNAL LOOPS/WIRES/HEAD/CABINETS IF DAMAGED DUE TO THIS INSTALLATION. ALL WORK SHALL BE APPROVED UNDER THE DIRECTION OF THE SCDOT DISTRICT SIGNAL SHOP AND PERFORMED BY A SCDOT APPROVED SIGNAL CONTRACTOR, AT NO EXPENSE TO THE DEPARTMENT.
27. IF REQUIRED UNDER THE APPROVED SCDOT ENCROACHMENT PERMIT, A THIRD PARTY TESTER SHALL BE REQUIRED AT THE APPLICANT'S EXPENSE TO PERFORM COMPACTION ANALYSIS AND WITNESS A PASSING PROOF ROLL ON ALL SUB-GRADE, BASE, AND ASPHALT. ONE THIRD PARTY INSPECTOR SHALL TAKE DENSITY READINGS AT RANDOM STATION NUMBERS. A SECOND (2<sup>ND</sup>) THIRD PARTY INSPECTOR/TESTER SHALL BE AT THE ASPHALT PLANT TESTING THE ASPHALT AT THE TIME THAT SURFACE ASPHALT IS BEING PRODUCED AND PUT DOWN ON THE JOB. ONE CORE SAMPLE (LOCATIONS TO BE DETERMINED) SHALL BE TAKEN AND WEIGHED BY THE THIRD PARTY INSPECTOR. ALL RESULTS TO BE SUBMITTED IN WRITING TO SCDOT FOR REVIEW THE FOLLOWING DAY. WINTER WORK RESTRICTIONS AND HOLIDAY WORK RESTRICTIONS MUST BE ADHERED TO. SEE PERMIT FOR MORE DETAILS.
28. AN INSPECTION DATE SHALL BE SET UP IN ADVANCE FOR WHICH THE INSPECTOR WILL COME OUT AND INSPECT THE SIDEWALK FORMS BEFORE POURING CONCRETE. DO NOT LEAVE MORE THAN A 2" DROP OFF UNATTENDED. NO MORE THAN A 2" DROP OFF OR A 3:1 DITCH SLOPE IS PERMITTED ANYWHERE WITHIN THE RIGHT OF WAY DUE TO THE CONSTRUCTION ASSOCIATED WITH THIS SIDEWALK. THE INSTALLATION OF SIDEWALK SHALL BE FLUSH WITH SHOULDER OR HAVE A DRAINAGE INLET BUILT UNDERNEATH TO ALLOW FOR PROPER STORM WATER FLOW. NO WATER SHALL POND IN SHOULDER, ROADWAY, DRIVEWAYS, OR RIGHT OF WAY DUE TO THIS INSTALLATION.
29. ADA MATS (RAISED DETECTABLE WARNING PADS) SHALL BE INSTALLED AS WET INSETS AND AT ROADWAY INTERSECTIONS ONLY.
30. NO VALVES OR OTHER APPURTENANCES IN ROADWAY ASPHALT, WITHIN 5 FEET OF EDGE OF PAVEMENT, OR WITHIN DITCH LINE OR SWALE LINE. APPLICANT SHALL INSTALL 8-16 FEET OF NEW, UNDAMAGED RCP ON PROPER GRADE, FACING THE PROPER DIRECTION, MATCHING THE DIAMETER OF DRIVEWAY AND/OR CROSS LINE UPSTREAM, BUT NOT EXCEEDING THE PIPE DIAMETER DOWNSTREAM, IF THE ABOVE CANNOT BE AVOIDED. INSTALL RIP RAP AROUND ANY EXPOSED PIPES, COVER AND SOD TO MEET SCDOT MINIMUM STANDARDS. CALL SCDOT ENCROACHMENT OFFICE FOR INSPECTION OF PIPE BEFORE COVERINGS.
31. PROPOSED UTILITY INSTALLATION LOCATED IN SHOULDER AREA SHALL HAVE A MINIMUM COVER OF 42" ACCORDING TO FIGURE 6 OF APPENDIX B. ANY EXPOSED ROOTS TO BE REMOVED OR TRIMMED FLUSH WITH SHOULDER/DITCH.
32. ALL UTILITY ENCROACHMENTS SHALL BE SUBMITTED UNDER A SEPARATE APPLICATION.



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**SGA**  
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**WAVERLY PARK**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER: 19101E  
 ISSUE DATE: 02/09/2022  
 DRAWN BY: TAC  
 CHECKED BY: EKS

**Bid Set Revision Drawings**

Revision Schedule		
#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
8	VALUE ENGINEERING	2-9-22

SCDOT  
 NOTES

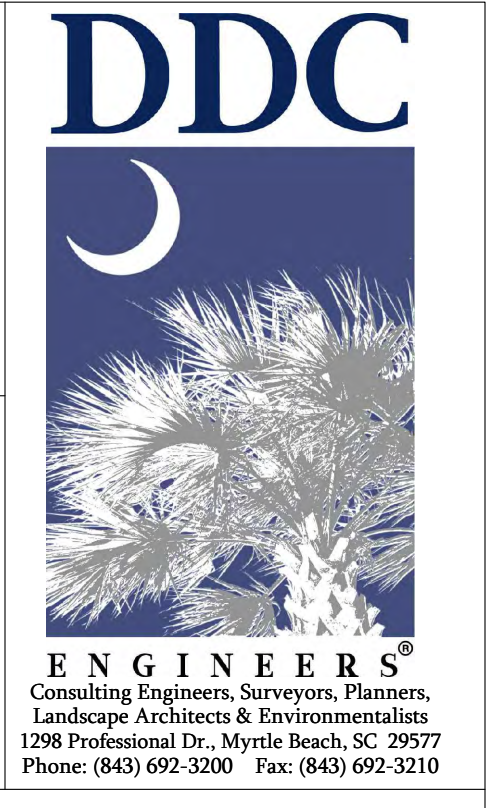
**C-002**

**GENERAL NOTES:**

- DEVELOPMENT SHALL COMPLY WITH GEORGETOWN COUNTY STANDARDS.
- THIS PROJECT WILL BE SERVED BY PUBLIC WATER AND SEWER SYSTEMS OWNED, MAINTAINED AND OPERATED BY THE GEORGETOWN COUNTY WATER AND SEWER DISTRICT.
- SIGNAGE, LANDSCAPING AND OTHER MONUMENTATION SHALL BE PERMITTED IN CONFORMANCE WITH GEORGETOWN COUNTY ZONING ORDINANCE REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND REPAIRING ANY DAMAGE TO SAME. UTILITY LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES THAT MAY HAVE SERVICE IN THE AREA FOR AN ACCURATE LOCATION PRIOR TO BEGINNING WORK.
- PROVISIONS SHALL BE MADE TO ENSURE POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. NATURAL DRAINAGE FEATURES DISTURBED BY CONSTRUCTION MUST BE RE-ESTABLISHED. NO PONDING DUE TO SPOOLS STOCKPILING OR OTHER ACTIVITIES SHALL BE PERMITTED.
- WORK IN PUBLIC RIGHT-OF-WAYS OR PRIVATE EASEMENTS SHALL BE ACCOMPLISHED BY THE CONTRACTOR ACCORDING TO THE REQUIREMENTS OR CONDITIONS OF THE ENCROACHMENT PERMIT OR OTHER LEGAL DOCUMENTS AS THOUGH DOCUMENTS WERE ISSUED IN THE CONTRACTOR'S NAME. THE CONTRACTOR SHALL MAINTAIN COPIES OF THESE DOCUMENTS ON THE SITES AT ALL TIMES.
- WHEN THE CONTRACTOR IS UNABLE TO COMPLETE HIS WORK AS SHOWN ON THE PLANS BECAUSE OF AN EXISTING UTILITY, CONTRACTOR SHALL STAKE THE LOCATION OF THE UTILITY PRIOR TO PROCEEDING AND CONTACT THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AGENCIES, THE OWNER, THE ENGINEER AND ALL OTHER CONCERNED PARTIES WHEN CONSTRUCTION IS TO COMMENCE. PRIOR TO ANY CONSTRUCTION A RECONSTRUCTION MEETING SHALL BE HELD WITH THE MUNICIPALITY / AUTHORITY, THE CONTRACTOR, THE ENGINEER AND ANY OTHER INTERESTED PARTY.
- DATA REQUIRED FOR PREPARATION OF RECORD DRAWINGS SHALL BE OBTAINED BY THE CONTRACTOR AT THE TIME FOR INSTALLATION. THIS DATA SHALL BE ACCUMULATED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD AND EVIDENCE PROVIDED TO THE ENGINEER AS PART OF THE MONTHLY PAY REQUEST. PAY REQUESTS WILL NOT BE APPROVED BY THE ENGINEER IF DATA IS NOT SUBMITTED WITH THE PAY REQUEST. CONTRACTOR IS TO PROVIDE NEAT AND LEGIBLE COMPLETED RECORD DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE PROJECT.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, SOUTH CAROLINA AND LOCAL ORDINANCES, REGULATIONS, SPECIFICATIONS AND PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL LICENSES AND PERMITS AS REQUIRED.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2007 EDITION, AND ADDENDA EXCEPT AS MODIFIED BY THESE CONSTRUCTION DRAWINGS.
- INSPECTIONS SHALL BE CONDUCTED IN ACCORDANCE WITH GEORGETOWN COUNTY STANDARDS. A MINIMUM OF TWO WORKING DAYS NOTICE SHALL BE GIVEN FOR ANY REQUESTED INSPECTION.
- WHEN EXISTING CONCRETE SIDEWALKS, CURBS AND GUTTER SECTIONS OR ASPHALT PAVEMENT ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES, THEY SHALL BE REPLACED IN A TIMELY MANNER BY THE CONTRACTOR TO ASSURE THE CONTINUED USE OF THESE FACILITIES BY ALL CONCERNED.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL MEASURES AS SHOWN IN THE PLANS AND REQUIRED BY THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION ENCROACHMENT PERMITS.
- VERTICAL CONTROL BASED UPON NATIONAL ADJUSTED VERTICAL DATUM, NAVD 1988. HORIZONTAL CONTROL BASED UPON SC STATE PLANE COORDINATE SYSTEM NAD 83.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL PRODUCTS AND MATERIALS SPECIFIED UNDER THIS CONTRACT.
- CONTRACTOR IS TO COMPLY WITH ALL PROVISIONS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES WHEN WORKING ADJACENT TO AN EXISTING PUBLIC HIGHWAY RIGHT OF WAY.
- THE PROPERTY IS LOCATED IN FLOOD ZONE "X" AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 450080275E DATED 08/02/96.
- THE CONTRACTOR WILL MAINTAIN ALL EXISTING ROADS IN A NEAT AND CLEAN CONDITION THROUGHOUT THE COURSE OF THE PROJECT CONSTRUCTION.
- A FINAL ASBUILT DRAWING WILL BE REQUIRED AND SUBMITTED TO GEORGETOWN COUNTY PRIOR TO FINAL INSPECTION BEING PERFORMED.
- ALL ELEVATIONS ARE BASED ON NAVD 1988 DATUM.



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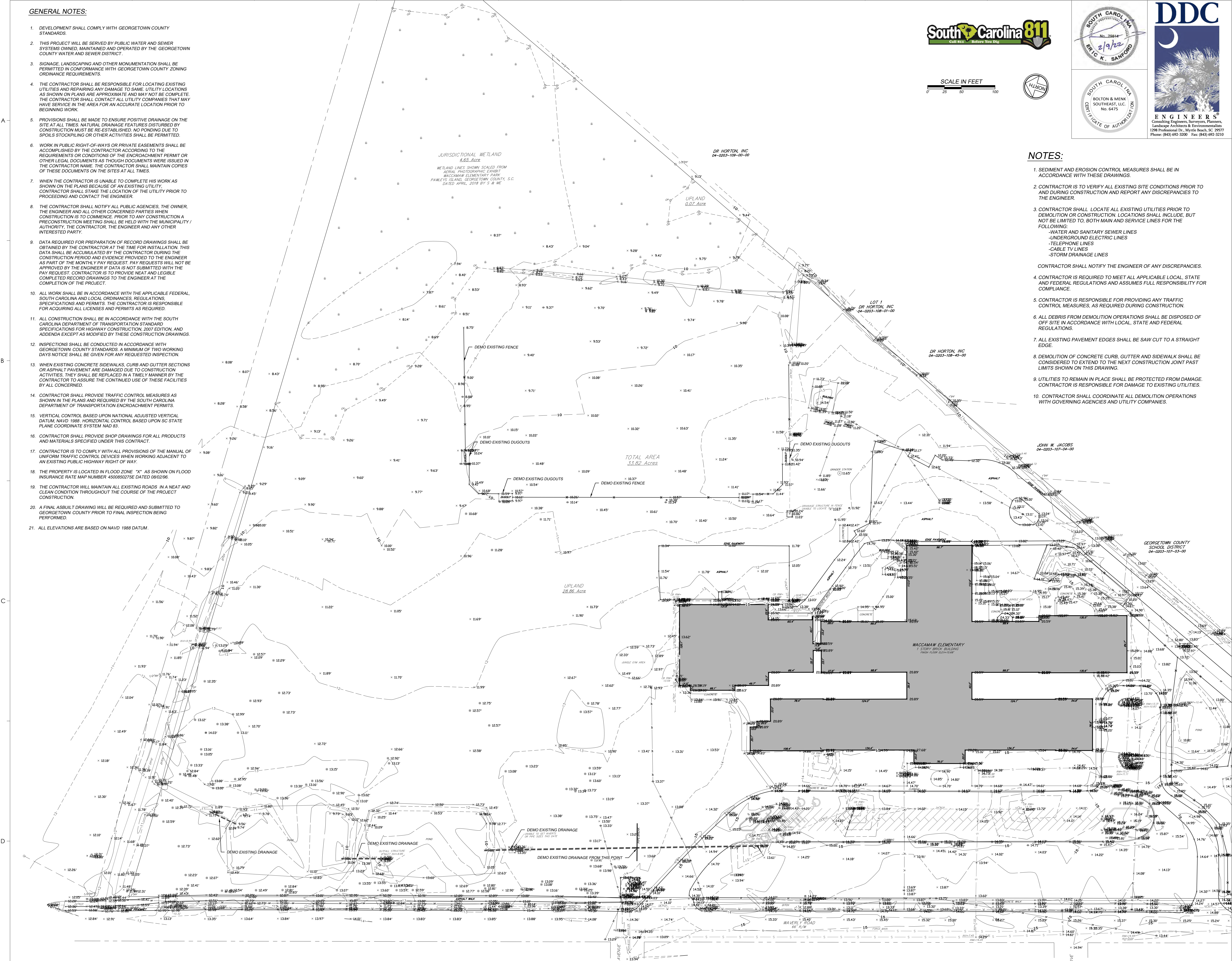


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**NOTES:**

- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THESE DRAWINGS.
- CONTRACTOR IS TO VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO AND DURING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO DEMOLITION OR CONSTRUCTION. LOCATIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, BOTH MAIN AND SERVICE LINES FOR THE FOLLOWING:  
-WATER AND SANITARY SEWER LINES  
-UNDERGROUND ELECTRIC LINES  
-TELEPHONE LINES  
-CABLE TV LINES  
-STORM DRAINAGE LINES  
CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- CONTRACTOR IS REQUIRED TO MEET ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND ASSUMES FULL RESPONSIBILITY FOR COMPLIANCE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY TRAFFIC CONTROL MEASURES, AS REQUIRED DURING CONSTRUCTION.
- ALL DEBRIS FROM DEMOLITION OPERATIONS SHALL BE DISPOSED OF OFF SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- ALL EXISTING PAVEMENT EDGES SHALL BE SAW CUT TO A STRAIGHT EDGE.
- DEMOLITION OF CONCRETE CURB, GUTTER AND SIDEWALK SHALL BE CONSIDERED TO EXTEND TO THE NEXT CONSTRUCTION JOINT PAST LIMITS SHOWN ON THIS DRAWING.
- UTILITIES TO REMAIN IN PLACE SHALL BE PROTECTED FROM DAMAGE. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES.
- CONTRACTOR SHALL COORDINATE ALL DEMOLITION OPERATIONS WITH GOVERNING AGENCIES AND UTILITY COMPANIES.



**WAVERLY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER: 19101E  
ISSUE DATE: 02/09/2022  
DRAWN BY: TAC  
CHECKED BY: EKS  
**Bid Set Revision Drawings**

Revision Schedule		
#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
8	VALUE ENGINEERING	2-9-22

EXISTING  
CONDITIONS /  
DEMOLITION PLAN

**C-101**

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PROJECT DATA:	
TOTAL AREA	35.2 AC
IMPERVIOUS	
BUILDINGS=110,702 SF	
ASPHALT (PARKING & DRIVES)=194,863 SF	
SIDEWALKS, PADS, ETC.=30,019 SF	
TOTAL=335,584 SF (7.70 AC)	
21.9% IMPERVIOUS	
PERVIOUS AREA	
OPEN SPACE=1,178,522 SF	
GRAVEL=19,206 SF	
TOTAL=1,197,728 SF (27.49 AC)	
78.1% IMPERVIOUS	

SITE LEGEND	
	STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL)
	HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL)
	CONCRETE SIDEWALK (SEE DETAIL)
	HEAVY DUTY CONCRETE PAVEMENT (SEE DETAIL)
	GRAVEL (SEE DETAIL)

**NOTES**

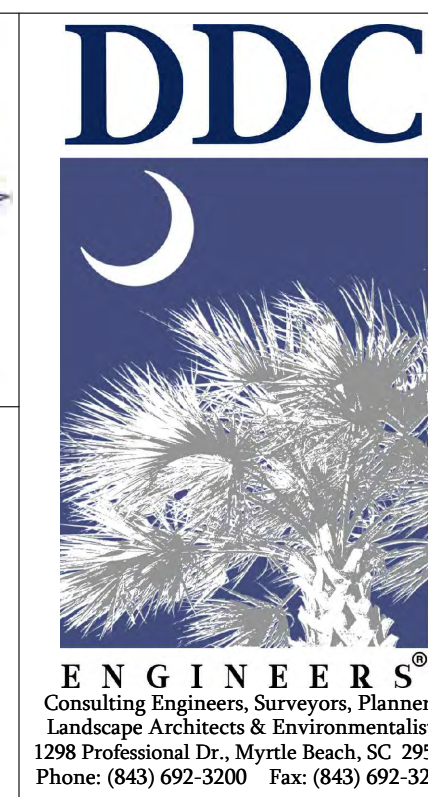
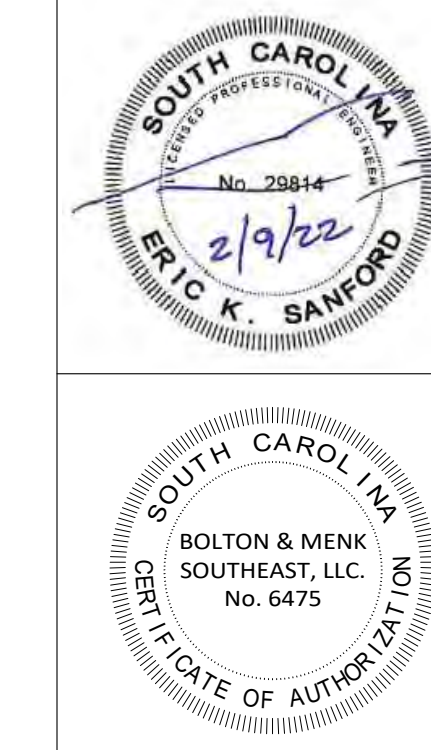
- RADI AND PARKING DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- DEVELOPMENT SHALL COMPLY WITH GEORGETOWN COUNTY ZONING AND LAND DEVELOPMENT REGULATIONS, LATEST EDITIONS.

**SITE DATA**

- CURRENT ZONING - MR10 (10,000 SF RESIDENTIAL DISTRICT)  
 PIN Number - 04-0203-017-00-00  
 FLOOD ZONE - EXISTING FLOOD ZONE X  
 ONSITE SOILS - ECHAW, YAUHANNAH, LEON  
 ZIP CODE - 29440
- UTILITIES  
 STORMWATER - GEORGETOWN CO. STORMWATER/SCDHEC  
 WATER / SEWER - GEORGETOWN CO. WATER SEWER DISTRICT  
 CABLE / PHONE - VERIZON  
 ELECTRIC - SANTEE COOPER  
 FIRE - MIDWAY FIRE RESCUE



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**SITE PLAN KEY NOTE**

- (A) EX. FLAT CURB
- (B) EXISTING CURB
- (C) STANDARD CONCRETE CURB AND GUTTER
- (D) REJECT CURB
- (E) STANDARD CURB TYPE 'B' CURB
- (F) STANDARD CURB TYPE 'C' CURB
- (G) RIBBON CURB
- (H) CURB TAPER
- (I) HEAVY DUTY ASPHALT PAVEMENT
- (J) LIGHT DUTY ASPHALT PAVEMENT
- (K) GRAVEL
- (L) CONCRETE PAVEMENT
- (M) DUMPSTER / COMPACTOR PADS (SEE DETAILS)
- (N) CONCRETE SIDEWALK
- (O) HANDICAP ACCESSIBLE ACCESS
- (P) HANDICAP ACCESSIBLE SIDEWALK RAMPS
- (Q) STOP SIGN (R1-1-36, SCDOT STANDARD 651-115-01)
- (R) 24" WIDE WHITE STOP BAR
- (S) PAINTED WHITE PARKING LINES
- (T) WHEEL STOP
- (U) TRANSFORMER PAD
- (V) PUMP STATION
- (W) TRANSITION
- (X) PHARMACY DIRECTIONAL SIGN
- (Y) NO SWIMMING SIGN

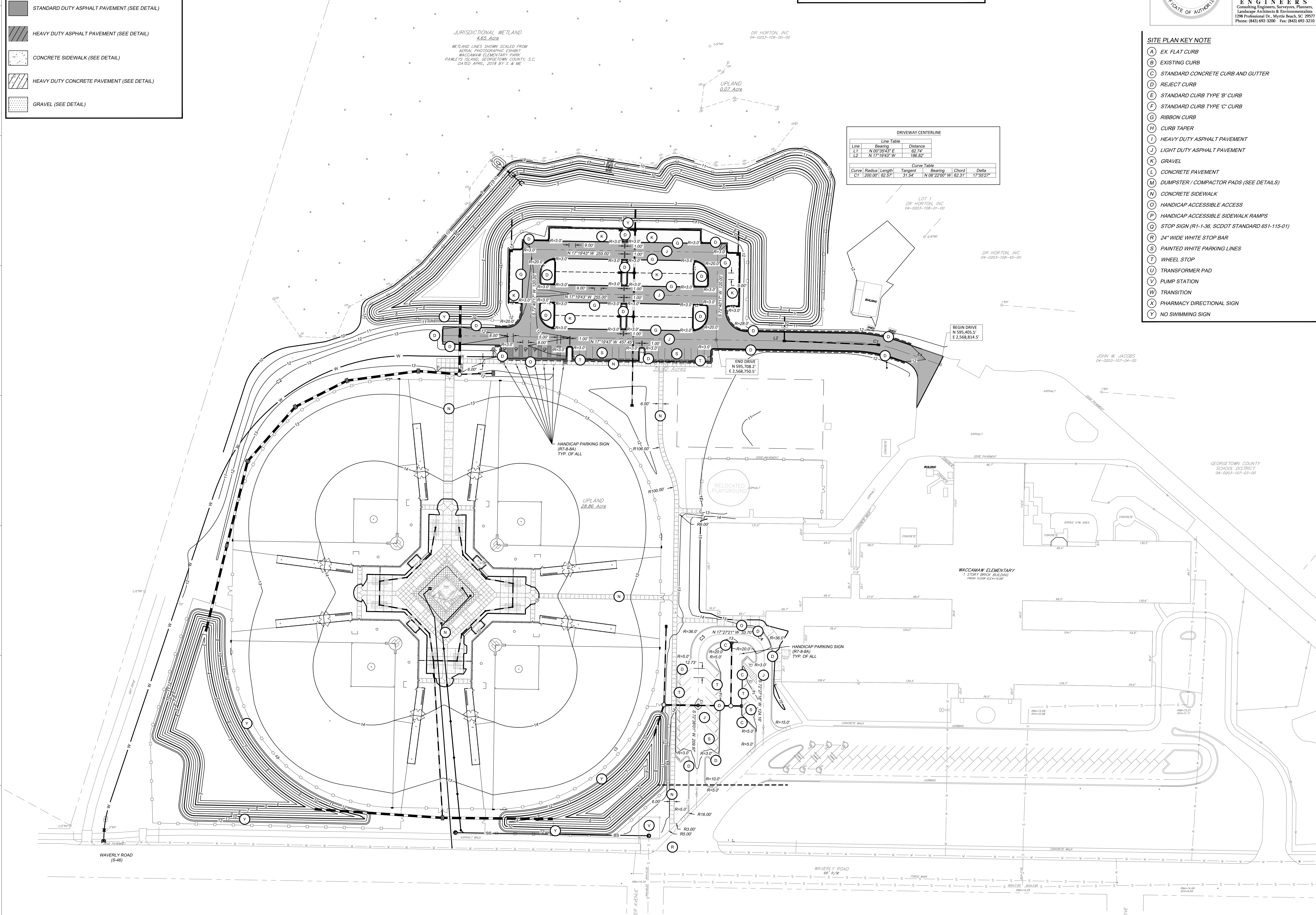
DRIVEWAY CENTERLINE					
Line	Bearing	Distance	Curve	Bearing	Delta
L1	N 00° 35' 43" E	62.72'			
L2	N 17° 19' 43" W	186.82'			

Curve	Radius	Length	Tangent	Bearing	Chord	Delta
C1	200.00'	62.57'	31.54'	N 08° 22' 00" W	62.31'	17° 55' 27"

JURISDICTIONAL WETLAND  
 4.65 AC

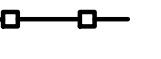



WETLAND LINES SHOWN, SCALED FROM AERIAL PHOTOGRAPHIC EXHIBIT WACCAMAW ELEMENTARY PARK, PAWLEYS ISLAND, GEORGETOWN COUNTY, S.C. DATED APRIL, 2018 BY S & M E



WAWERLY PARK  
 AT  
 WACCAMAW ELEMENTARY SCHOOL  
 1364 WAWERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER: 19101E  
 ISSUE DATE: 02/09/2022  
 DRAWN BY: TAC  
 CHECKED BY: EKS  
 Bid Set Revision Drawings

Revision Schedule		
#	Description	Date
1	SCDOT COMMENTS	1-20-21
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
7	GT. STORM COMMENTS	8-13-21
8	VALUE ENGINEERING	2-9-22

SYMBOL	PRACTICE	DESCRIPTION
(SF) 	SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
(CL) 	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
(CE) 	CONSTRUCTION ENTRANCE	A STONE STABILIZED PAD LOCATED AT ANY POINT THAT TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING LOT WHICH WILL REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION SITE.
(DSF) 	DOUBLE SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF. USED ALONG EXISTING WETLANDS.

NOTE:  
REFER TO SEDIMENT AND EROSION CONTROL NOTES  
AND DETAILS FOR BMP INSTALLATION AND PROCEDURE.



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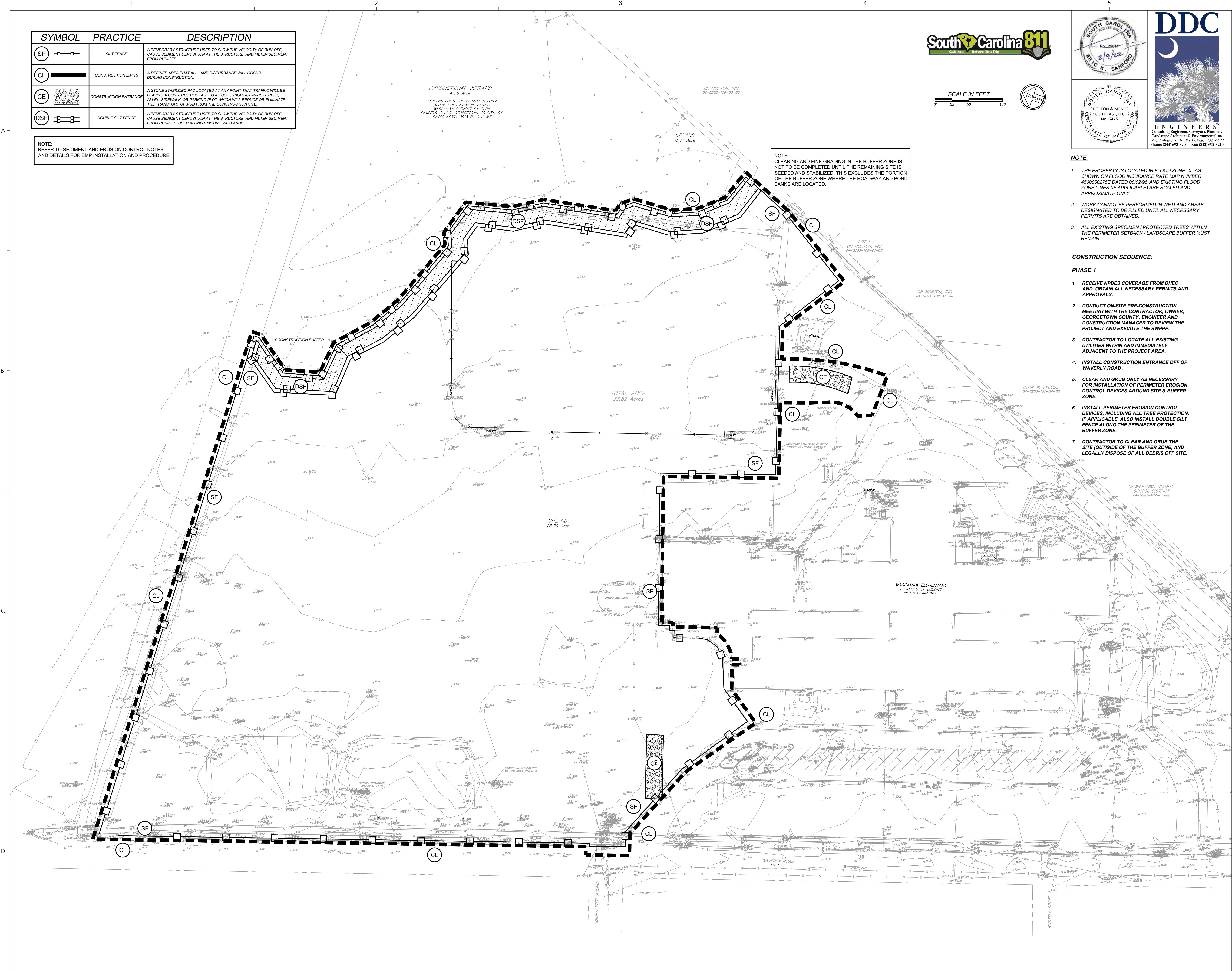
**NOTE:**

- THE PROPERTY IS LOCATED IN FLOOD ZONE X AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 4500850275E DATED 08/02/96 AND EXISTING FLOOD ZONE LINES (IF APPLICABLE) ARE SCALED AND APPROXIMATE ONLY.
- WORK CANNOT BE PERFORMED IN WETLAND AREAS DESIGNATED TO BE FILLED UNTIL ALL NECESSARY PERMITS ARE OBTAINED.
- ALL EXISTING SPECIMEN / PROTECTED TREES WITHIN THE PERIMETER SETBACK / LANDSCAPE BUFFER MUST REMAIN.

**CONSTRUCTION SEQUENCE:**

**PHASE 1**

- RECEIVE NPDES COVERAGE FROM DHEC AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS.
- CONDUCT ON-SITE PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR, OWNER, GEORGETOWN COUNTY, ENGINEER AND CONSTRUCTION MANAGER TO REVIEW THE PROJECT AND EXECUTE THE SWPPP.
- CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WITHIN AND IMMEDIATELY ADJACENT TO THE PROJECT AREA.
- INSTALL CONSTRUCTION ENTRANCE OFF OF WAVERLY ROAD.
- CLEAR AND GRUB ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER EROSION CONTROL DEVICES AROUND SITE & BUFFER ZONE.
- INSTALL PERIMETER EROSION CONTROL DEVICES, INCLUDING ALL TREE PROTECTION, IF APPLICABLE. ALSO INSTALL DOUBLE SILT FENCE ALONG THE PERIMETER OF THE BUFFER ZONE.
- CONTRACTOR TO CLEAR AND GRUB THE SITE (OUTSIDE OF THE BUFFER ZONE) AND LEGALLY DISPOSE OF ALL DEBRIS OFF SITE.



**WAVERLY PARK**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER: 19101  
 ISSUE DATE: 02/09/2022  
 DRAWN BY: TAC  
 CHECKED BY: EKS  
**Bid Set Revision Drawings**

Revision Schedule		
#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
5	GT. STORM COMMENTS	5-05-21
6	GT. STORM COMMENTS	7-30-21
8	VALUE ENGINEERING	2-9-22

SEDIMENT &  
EROSION CONTROL  
PLAN - PHASE 1

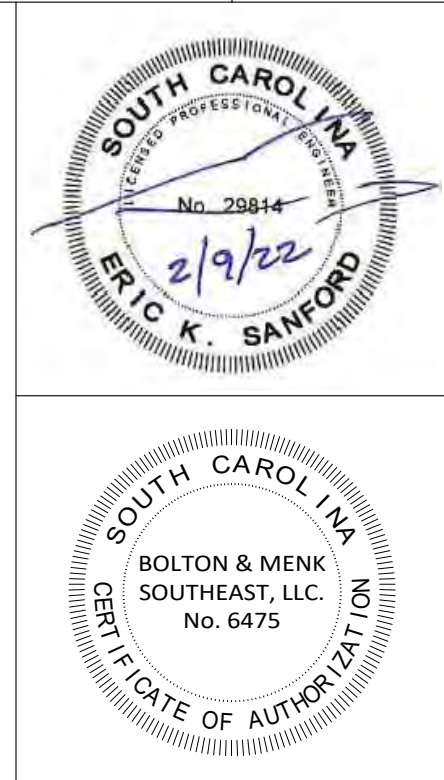
**C-201**

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SYMBOL	PRACTICE	DESCRIPTION
CL	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
SF	SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
IP	INLET PROTECTION	A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
DSF	DOUBLE SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF. USED ALONG EXISTING WETLANDS.
OP	OUTLET PROTECTION	RIP RAP CHANNEL / BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION, AND STABILIZE GRADES DOWNSTREAM OF OUTLET STRUCTURES.
CE	CONSTRUCTION ENTRANCE	A STONE STABILIZED PAD LOCATED AT ANY POINT THAT TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING LOT WHICH WILL REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION SITE.
CWA	CONCRETE WASHOUT AREA	TEMPORARY FACILITY PROVIDED ONSITE FOR CONCRETE TRUCKS TO WASHOUT PRIOR TO LEAVING CONSTRUCTION SITE. CONTRACTOR MAY RELOCATE ELSEWHERE ONSITE PENDING CONSTRUCTION ACTIVITIES.

SYMBOL	PRACTICE	DESCRIPTION
CL	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
SEEDING SCHEDULE FOR TEMPORARY VEGETATION		
D <sub>s2</sub>		
NOTES: DATE GRASS IS TO BE ADDED TO ALL SCHEDULES. IF SEEDING DATE IS BETWEEN MARCH 1 AND APRIL 15, AT THE RATE OF 10 POUNDS PER ACRE. THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF VEGETATION THAT IS CAPABLE OF EROSION CONTROL. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED RESULTS. THE TEMPORARY VEGETATION SHALL PROVIDE MINIMUM DENSITY COVERAGE OF 70% OF THE SEEDING AREA. THE CONTRACTOR MAY INCLUDE QUANTITIES OF RYE GRASS AND MILLET IN SCHEDULE 1 AND 3 IN ORDER TO ESTABLISH QUICK GROUND COVER FOR EROSION CONTROL PURPOSES.		
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)
1	ANNUAL SLUDAN GRASS (SWEET OR TIF)	40
2	BROWN TOP MILLET	50
3	RYE GRASS	55
SEEDING SCHEDULE FOR PERMANENT VEGETATION		
D <sub>s3</sub>		
NOTES: GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED. THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERMANENT VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERMANENT VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDING AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.		
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)
1	COMMON BERMUDA (FILLED)	210
	TALL FESCUE	140
2	COMMON BERMUDA (UNFILLED)	175



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NOTE: REFER TO SEDIMENT AND EROSION CONTROL NOTES AND DETAILS FOR BMP INSTALLATION AND PROCEDURE.



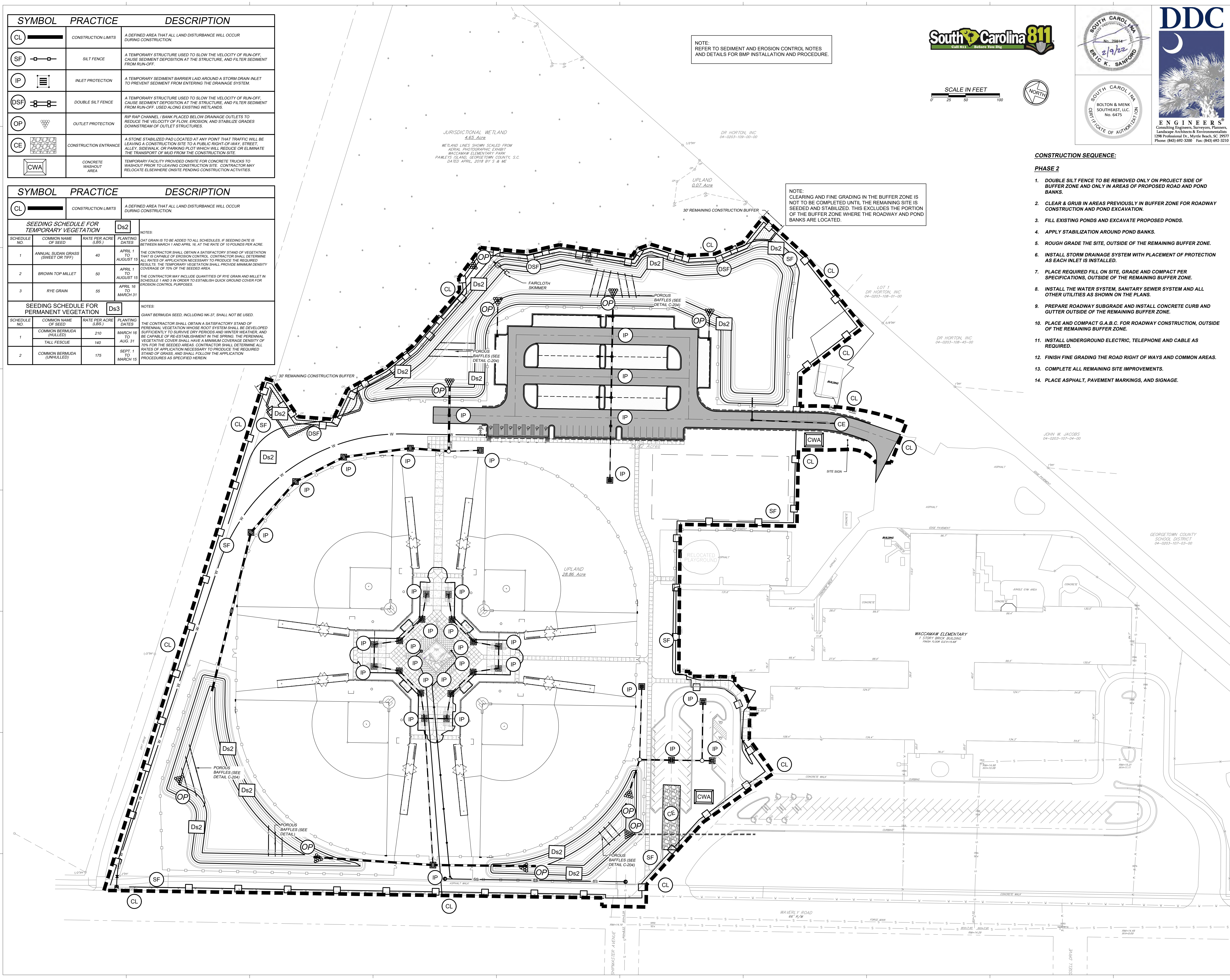
JURISDICTIONAL WETLAND  
3.62 Acre  
WETLAND LINES SHOWN SCALED FROM AERIAL PHOTOGRAPHIC EVIDENCE  
WACCAMAW ELEMENTARY PARK  
PAWLEYS ISLAND, GEORGETOWN COUNTY, S.C.  
DATED APRIL, 2018 BY S & M

NOTE: CLEARING AND FINE GRADING IN THE BUFFER ZONE IS NOT TO BE COMPLETED UNTIL THE REMAINING SITE IS SEEDING AND STABILIZED. THIS EXCLUDES THE PORTION OF THE BUFFER ZONE WHERE THE ROADWAY AND POND BANKS ARE LOCATED.

**CONSTRUCTION SEQUENCE:**

**PHASE 2**

- DOUBLE SILT FENCE TO BE REMOVED ONLY ON PROJECT SIDE OF BUFFER ZONE AND ONLY IN AREAS OF PROPOSED ROAD AND POND BANKS.
- CLEAR & GRUB IN AREAS PREVIOUSLY IN BUFFER ZONE FOR ROADWAY CONSTRUCTION AND POND EXCAVATION.
- FILL EXISTING PONDS AND EXCAVATE PROPOSED PONDS.
- APPLY STABILIZATION AROUND POND BANKS.
- ROUGH GRADE THE SITE, OUTSIDE OF THE REMAINING BUFFER ZONE.
- INSTALL STORM DRAINAGE SYSTEM WITH PLACEMENT OF PROTECTION AS EACH INLET IS INSTALLED.
- PLACE REQUIRED FILL ON SITE, GRADE AND COMPACT PER SPECIFICATIONS, OUTSIDE OF THE REMAINING BUFFER ZONE.
- INSTALL THE WATER SYSTEM, SANITARY SEWER SYSTEM AND ALL OTHER UTILITIES AS SHOWN ON THE PLANS.
- PREPARE ROADWAY SUBGRADE AND INSTALL CONCRETE CURB AND GUTTER OUTSIDE OF THE REMAINING BUFFER ZONE.
- PLACE AND COMPACT G.A.B.C. FOR ROADWAY CONSTRUCTION, OUTSIDE OF THE REMAINING BUFFER ZONE.
- INSTALL UNDERGROUND ELECTRIC, TELEPHONE AND CABLE AS REQUIRED.
- FINISH FINE GRADING THE ROAD RIGHT OF WAYS AND COMMON AREAS.
- COMPLETE ALL REMAINING SITE IMPROVEMENTS.
- PLACE ASPHALT, PAVEMENT MARKINGS, AND SIGNAGE.



**WAVERLY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER: 19101E  
ISSUE DATE: 02/09/2022  
DRAWN BY: TAC  
CHECKED BY: EKS  
**Bid Set Revision Drawings**

#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
5	GT. STORM COMMENTS	5-05-21
6	GT. STORM COMMENTS	7-30-21
7	GT. STORM COMMENTS	8-13-21
8	VALUE ENGINEERING	2-9-22

SEDIMENT & EROSION CONTROL PLAN - PHASE 2

**C-202**

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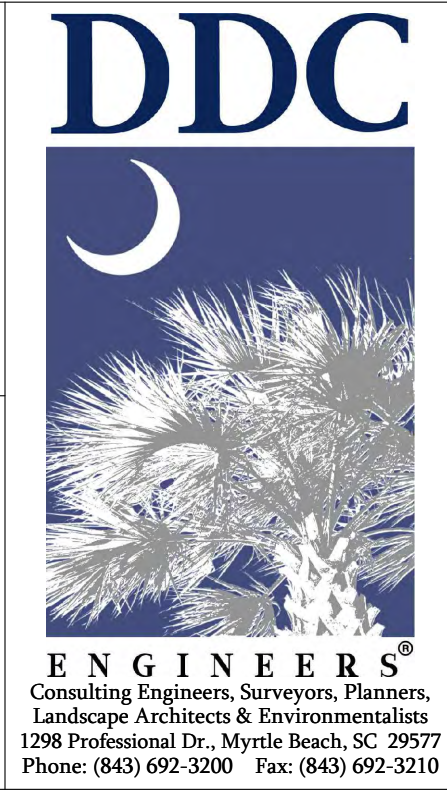
SYMBOL	PRACTICE	DESCRIPTION
CL	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
SEEDING SCHEDULE FOR TEMPORARY VEGETATION		
		Ds2
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)
1	ANNUAL SUDAN GRASS (SWEET OR TIFT)	40
2	BROWN TOP MILLET	80
3	RYE GRAIN	55
		PLANTING DATES
		APRIL 1 TO AUGUST 15
		APRIL 1 TO AUGUST 15
		APRIL 16 TO MARCH 31
NOTES:		
BAY GRASS IS TO BE ADDED TO ALL SCHEDULES. IF SEEDING DATE IS BETWEEN MARCH 1 AND APRIL 15 AT THE RATE OF 10 POUNDS PER ACRE.		
THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF VEGETATION THAT IS CAPABLE OF EROSION CONTROL. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED RESULTS. THE TEMPORARY VEGETATION SHALL PROVIDE MINIMUM DENSITY COVERAGE OF 70% OF THE SEEDING AREA.		
THE CONTRACTOR MAY INCLUDE QUANTITIES OF RYE GRAIN AND MELLET IN SCHEDULE 1 AND 3 IN ORDER TO ESTABLISH QUICK GROUND COVER FOR EROSION CONTROL PURPOSES.		
SEEDING SCHEDULE FOR PERMANENT VEGETATION		
		Ds3
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)
1	COMMON BERMIUDA (HULLED)	210
	TALL FESCUE	140
2	COMMON BERMIUDA (UNHULLED)	175
		PLANTING DATES
		MARCH 16 TO AUG. 31
		SEPT. 1 TO MARCH 15
NOTES:		
GIANT BERMIUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.		
THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDING AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.		

NOTE: REFER TO SEDIMENT AND EROSION CONTROL NOTES AND DETAILS FOR BMP INSTALLATION AND PROCEDURE.

NOTE: SEE ARCHITECTURAL PLANS FOR BALLFIELDS INFIELD/OUTFIELD MATERIAL SPECS/DESIGN



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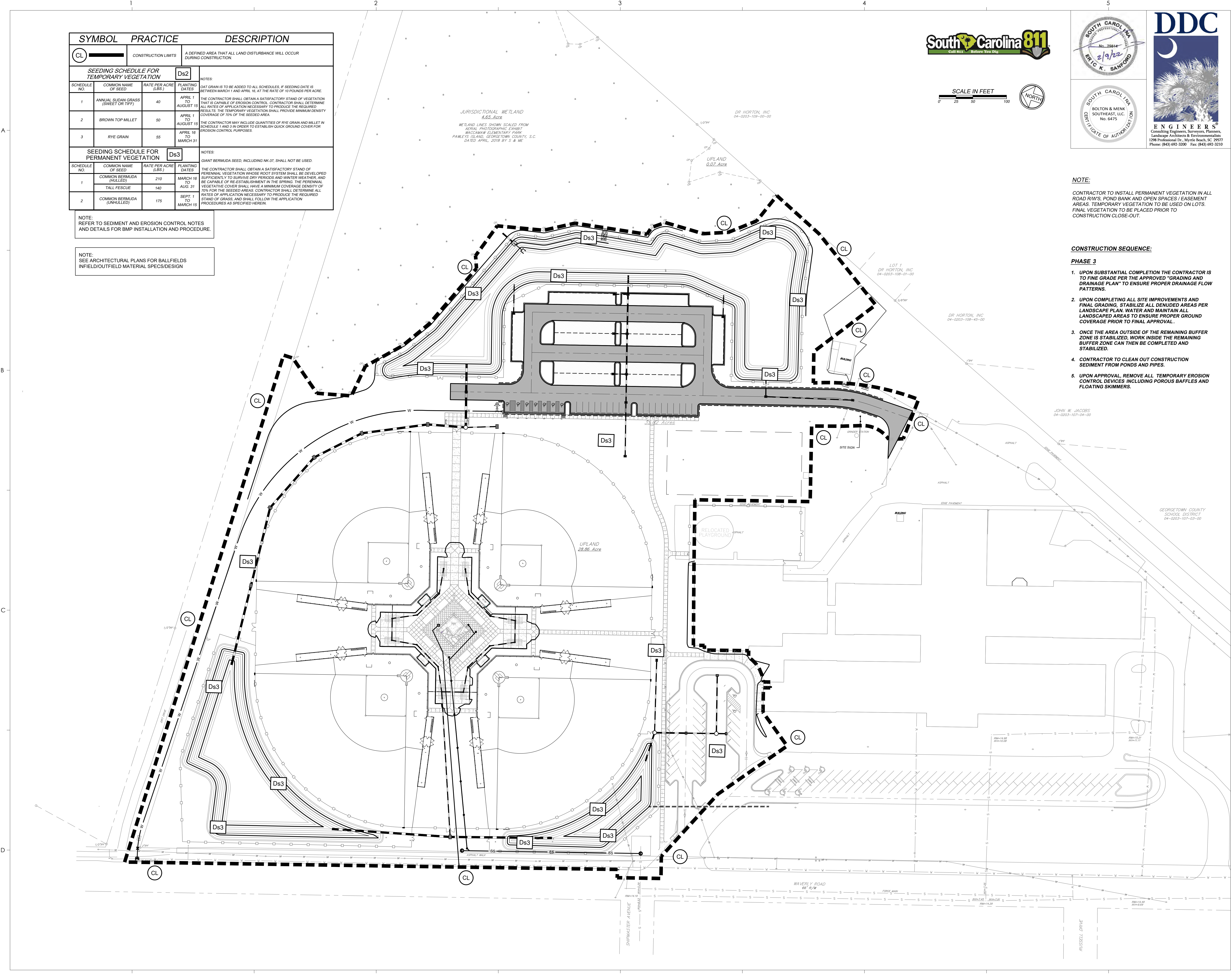
**NOTE:**

CONTRACTOR TO INSTALL PERMANENT VEGETATION IN ALL ROAD RIMS, POND BANK AND OPEN SPACES / EASEMENT AREAS. TEMPORARY VEGETATION TO BE USED ON LOTS. FINAL VEGETATION TO BE PLACED PRIOR TO CONSTRUCTION CLOSE-OUT.

**CONSTRUCTION SEQUENCE:**

**PHASE 3**

- UPON SUBSTANTIAL COMPLETION THE CONTRACTOR IS TO FINE GRADE PER THE APPROVED "GRADING AND DRAINAGE PLAN" TO ENSURE PROPER DRAINAGE FLOW PATTERNS.
- UPON COMPLETING ALL SITE IMPROVEMENTS AND FINAL GRADING, STABILIZE ALL DENUDED AREAS PER LANDSCAPE PLAN. WATER AND MAINTAIN ALL LANDSCAPED AREAS TO ENSURE PROPER GROUND COVERAGE PRIOR TO FINAL APPROVAL.
- ONCE THE AREA OUTSIDE OF THE REMAINING BUFFER ZONE IS STABILIZED, WORK INSIDE THE REMAINING BUFFER ZONE CAN THEN BE COMPLETED AND STABILIZED.
- CONTRACTOR TO CLEAN OUT CONSTRUCTION SEDIMENT FROM PONDS AND PIPES.
- UPON APPROVAL, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES INCLUDING POROUS BAFFLES AND FLOATING SKIMMERS.



**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

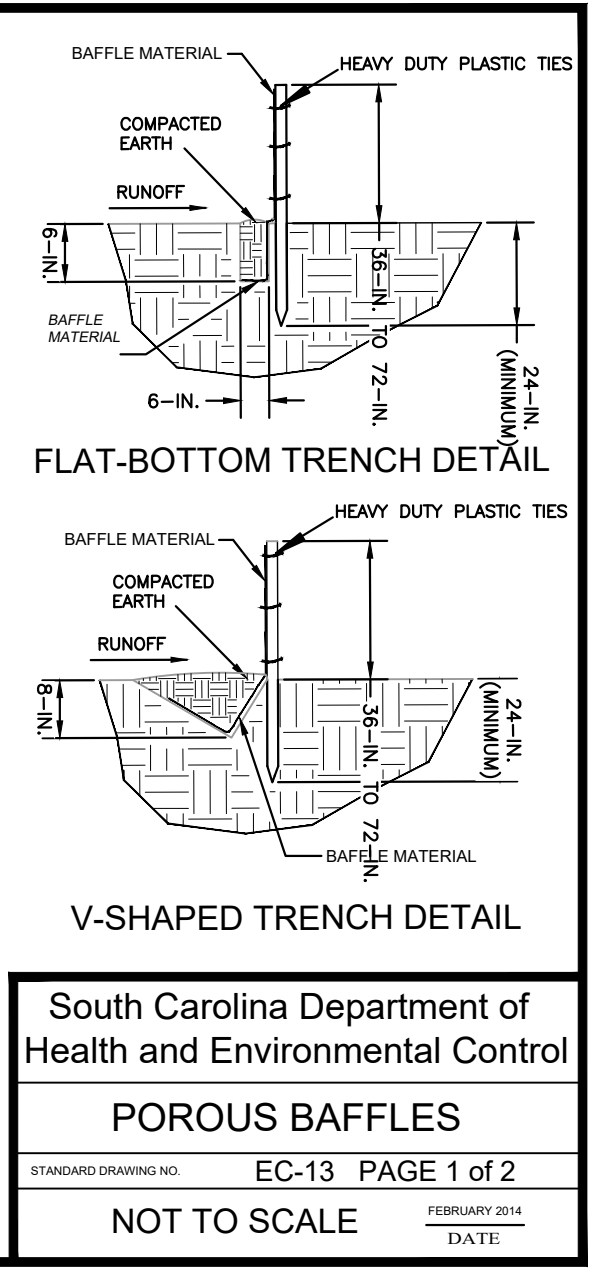
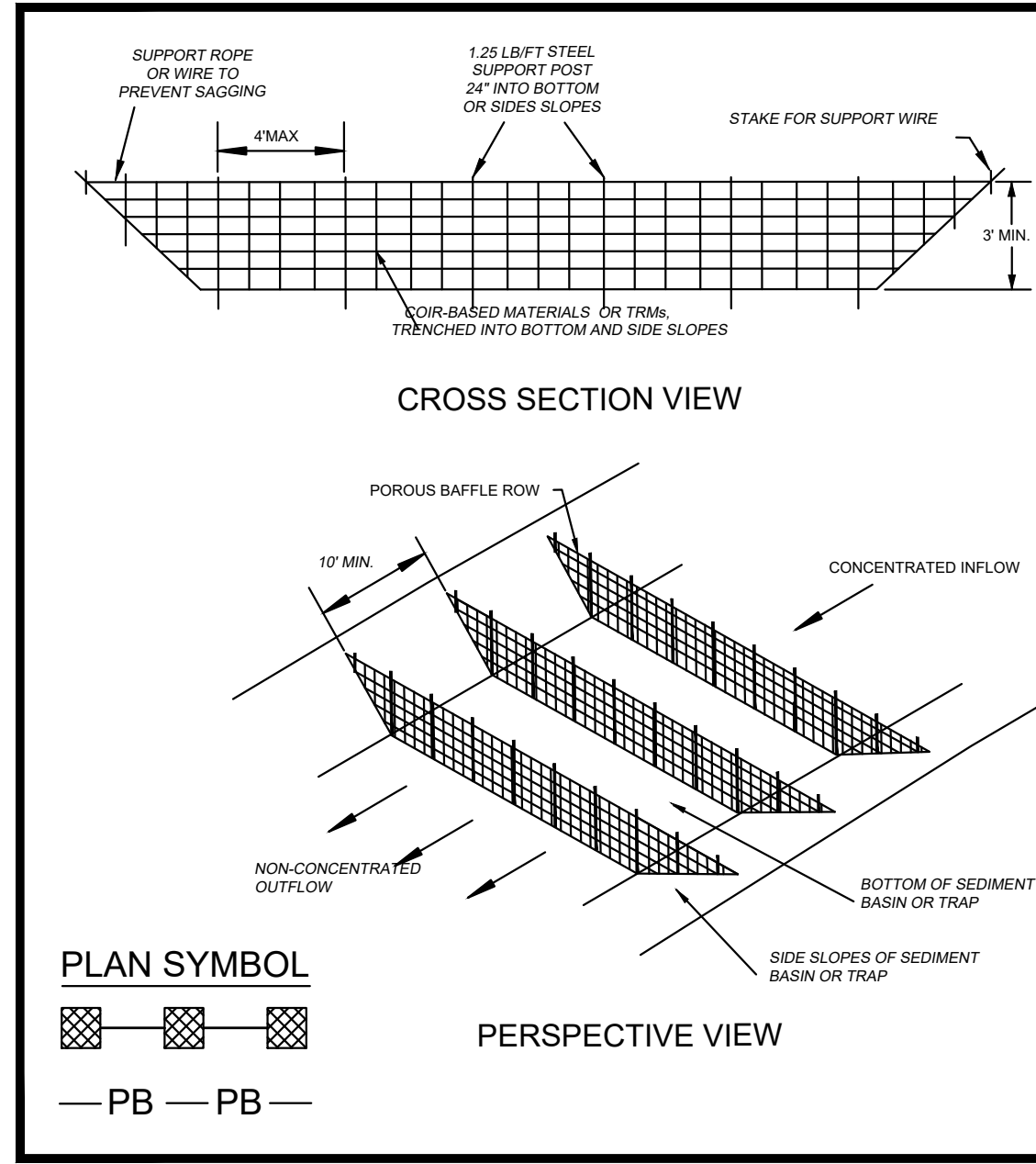
PROJECT NUMBER: 19101E  
ISSUE DATE: 02/09/2022  
DRAWN BY: TAC  
CHECKED BY: EKS  
**Bid Set Revision Drawings**

#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
5	GT. STORM COMMENTS	5-05-21
6	GT. STORM COMMENTS	7-30-21
7	GT. STORM COMMENTS	8-13-21
8	VALUE ENGINEERING	2-9-22

SEDIMENT & EROSION CONTROL PLAN - PHASE 3

**C-203**

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**BAFFLES - POST REQUIREMENTS**

1. Porous baffle posts must be 60-inch to 96-inch long steel posts that meet, at a minimum, the following physical characteristics:
  - Consists of a high strength steel with a minimum yield strength of 50,000 psi.
  - Includes a standard T<sub>1</sub> section with a nominal face width of 1.38-inches and a nominal T<sub>1</sub> length of 1.48-inches.
  - Weigh 1.25 pounds per foot (1.25).
2. Posts shall be equipped with projections to aid in fastening of baffle material.
3. Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a minimum height of 3 feet shall be maintained above the ground.
4. Post spacing shall be at a maximum of 4-feet on center.

**BAFFLES - MATERIAL REQUIREMENTS**

1. Baffle material must be composed of soil-based materials or Turf Reinforcement Matting (TRM) that consists of the following requirements:
  - Have a light penetration (C<sub>1</sub> opening) between 10-35%.
  - Free of loose straw material.
  - Have a minimum tensile strength of 145 lb/ft; and,
  - Have a minimum width of 48-inches.
2. 12-inches of the fabric should be placed within excavated trench and tied in when the trench is backfilled or baffle material may be placed into ground by using 12-inch slopes with a minimum spacing of 12-inches.
3. Baffle material shall be purchased in continuous rolls and cut to the width of the sediment basin or trap to avoid joints.

**BAFFLES - GENERAL NOTES**

1. Attach baffle to the steel posts using heavy-duty plastic ties that are evenly spaced along the above ground portion of each post.
2. Install the baffle rows perpendicular to the direction of the stormwater flow and place each baffle the proper distance from inlet and outlets to allow access for maintenance and clean-out.

**BAFFLES - INSPECTION & MAINTENANCE**

The key to functional porous baffles is weekly inspection, routine maintenance, and regular sediment removal.

1. Regular inspections of porous baffles shall be conducted once every calendar week end, or recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
2. Attention to sediment accumulations along each row of baffles is extremely important. Accumulated sediment should be continuously monitored and removed when necessary.
3. Remove accumulated sediment when it reaches 1/3 the height of the baffle row or when it reaches the clean-out height of the sediment basin or trap, whichever is reached first.
4. Remove accumulated sediment when it reaches 1/3 the height of the baffle row or when it reaches the clean-out height of the sediment basin or trap, whichever is reached first.
5. Removed sediment shall be placed in stoopable storage areas or stored temporarily across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath each row of baffles, or where the baffle has sagged or collapsed due to runoff overtopping the baffle.
7. Check for heavy/ice within the baffles, areas where the baffle has begun to decompose, and for any other circumstances that may render the baffle ineffective. Removed damaged baffles and re-install new baffles immediately.
8. Porous baffles should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

South Carolina Department of Health and Environmental Control

**POROUS BAFFLES**

EC-13 PAGE 1 of 2

NOT TO SCALE

South Carolina Department of Health and Environmental Control

**POROUS BAFFLES**

EC-13 PAGE 2 of 2

GENERAL NOTES

**EROSION CONTROL NOTES**

TOTAL DEVELOPMENT AREA: ± 36.2 ACRES  
DISTURBED AREA THIS PHASE: ± 16.8 ACRES

IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINAGE DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.

- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

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

PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRAZED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER UTILITY INSTALLATION. FILL COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

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 DEVICES MAY BE REQUIRED DURING CONSTRUCTION TO CONTROL EROSION AND/OR ON-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

RESIDENTIAL SUBDIVISION 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. 72-20-ET-REG. AND SCR10000.

TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WETLANDS FROM UPSTREAM RUNOFF AND/OR WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

ALL WATERS OF THE STATE (WAS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLED ROW OF SILT FENCES IS TO BE INSTALLED IN ALL AREAS WHERE A DISTURBED AREA IS TO BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WAS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WAS.

LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER SHOULD BE PREVENTED FROM BECOMING A POLLUTANT SOURCE. LEAKS AND DISCHARGES:

A COPY OF THE SWPPP, INSPECTION RECORDS, AND MAINTENANCE 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 TO THE DATE THAT FINAL STABILIZATION IS REACHED.

WATERS STABILIZATION MEASURES ON ANY CURVED STEEP SLOPE (2:1 OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.

MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.

MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, 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.

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

THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:

- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
- WASTEWATER FROM WASHOUT AND CLEANOUT OF STOCKED PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE, AND SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

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

IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF THE BMPs. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF THE BMPs. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF THE BMPs.

A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF THE BMPs. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF THE BMPs.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SILT BARRIERS AND SEDIMENT CONTROL INSTALLATIONS DURING CONSTRUCTION UNTIL THE COMPLETION OF THE SITE DEVELOPMENT.

EROSION CONTROL DEVICES MUST BE INSTALLED IMMEDIATELY AFTER LAND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE CONTROL DEVICES MAY BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION VARY FROM THE FINAL DRAINAGE PATTERNS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SOIL EROSION CONTROL FOR ALL DRAINAGE PATTERNS DURING ALL PHASES OF CONSTRUCTION. ALL INADEQUACIES IN SOIL EROSION CONTROL DURING ANY PHASE OF CONSTRUCTION MUST BE REPORTED IMMEDIATELY TO THE ENGINEER.

THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING OF ALL DEVICES.

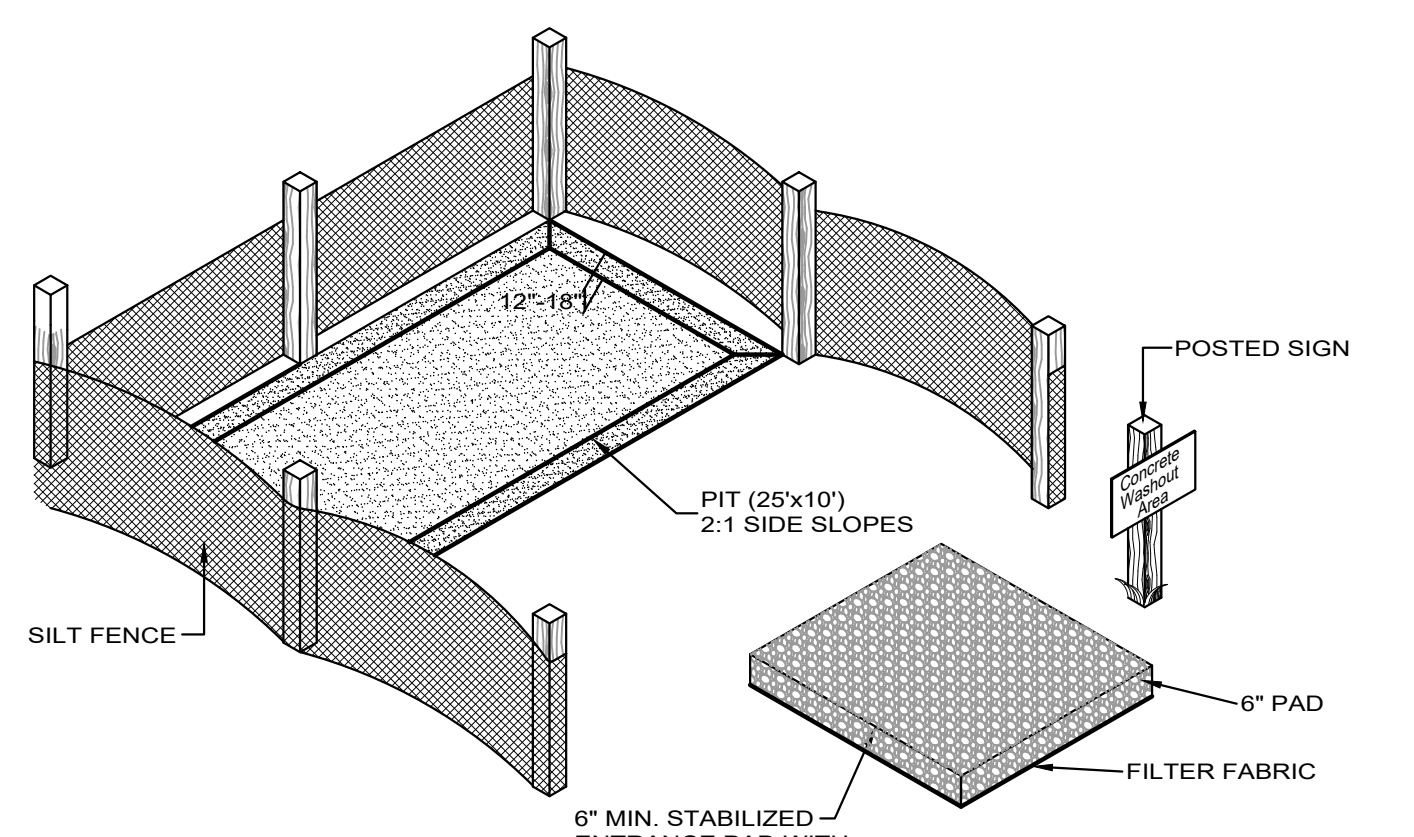
FAILURE TO INSTALL, OPERATE AND MAINTAIN ALL EROSION CONTROL MEASURES, AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE ENGINEER AND/OR O.C.R.M. WILL RESULT IN ALL WORK ON THE CONSTRUCTION SITE BEING STOPPED UNTIL PROPER EROSION CONTROL MEASURES HAVE BEEN MET, AS REQUIRED AND DIRECTED.

ALL LAND DISTURBING ACTIVITIES REQUIRES COMPLIANCE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES (PERMIT NO. SCR10000). ANY NONCOMPLIANCE WITH THESE REGULATIONS IS A VIOLATION OF THE FEDERAL CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY Horry County or SCDHEC / OCRM.

CONTRACTOR SHALL PROVIDE A WATER TIGHT ENCLOSURE FOR STORAGE OF THE OCRM CERTIFIED PLANS AND INSPECTION REPORTS. ENCLOSURE SHALL BE LOCATED IN AN AREA ACCESSIBLE TO REGULATORY PERSONNEL.

ALL STOCKPILE TO BE PROTECTED WITH SILT FENCE.

ALL CONCRETE TO BE WASHED OUT IN AN APPROVED AREA.



**NOTE:**

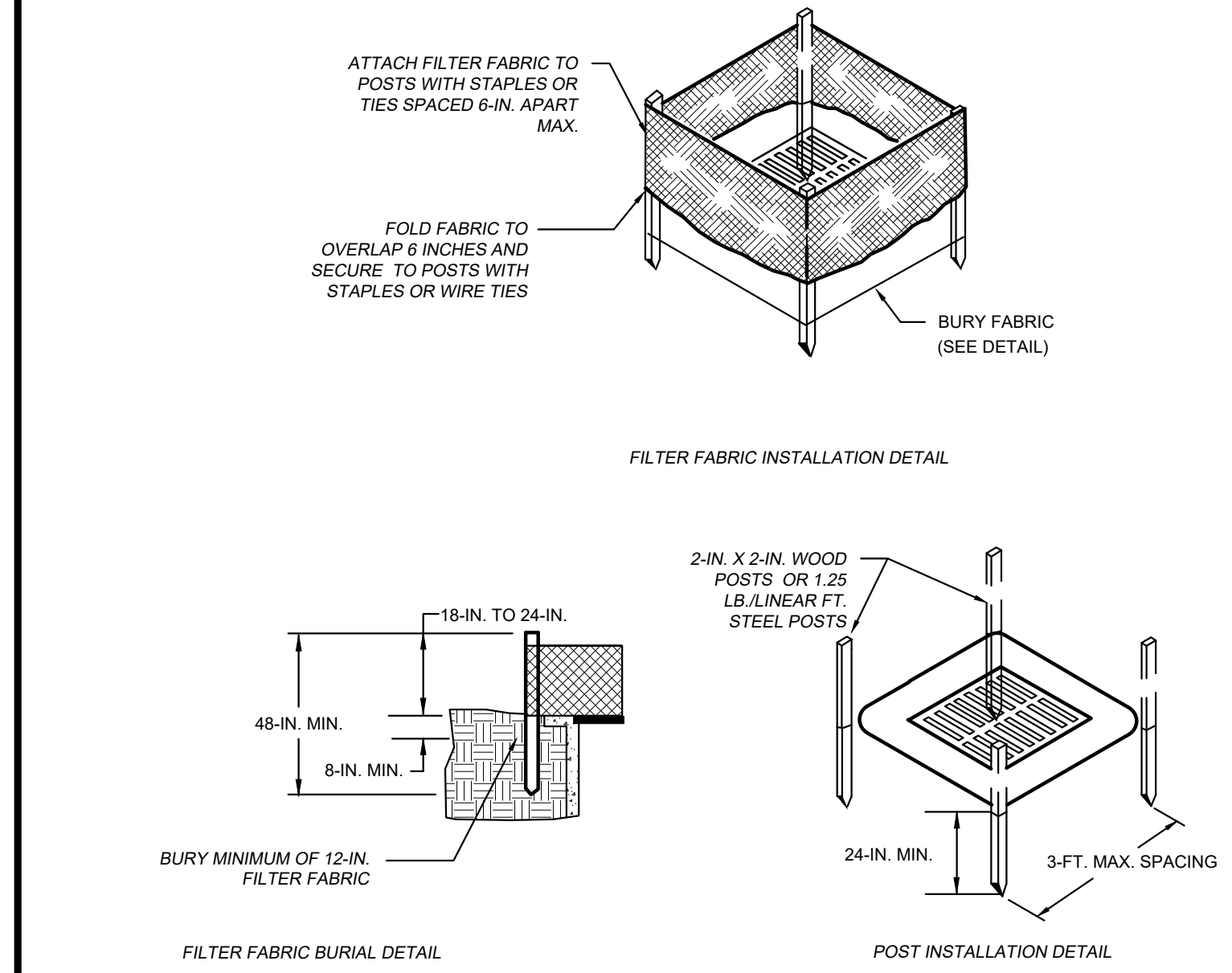
CONTRACTOR TO MAINTAIN THRU-OUT CONSTRUCTION BY REMOVING CONCRETE & LEGALLY DISPOSING OF WHEN PIT IS FULL.

CONTRACTOR TO MAINTAIN PROPER CONSTRUCTION OF WASH-OUT FACILITY FOR THE DURATION OF THE PROJECT.

CONTRACTOR MAY RELOCATE ON SITE IF NEEDED.

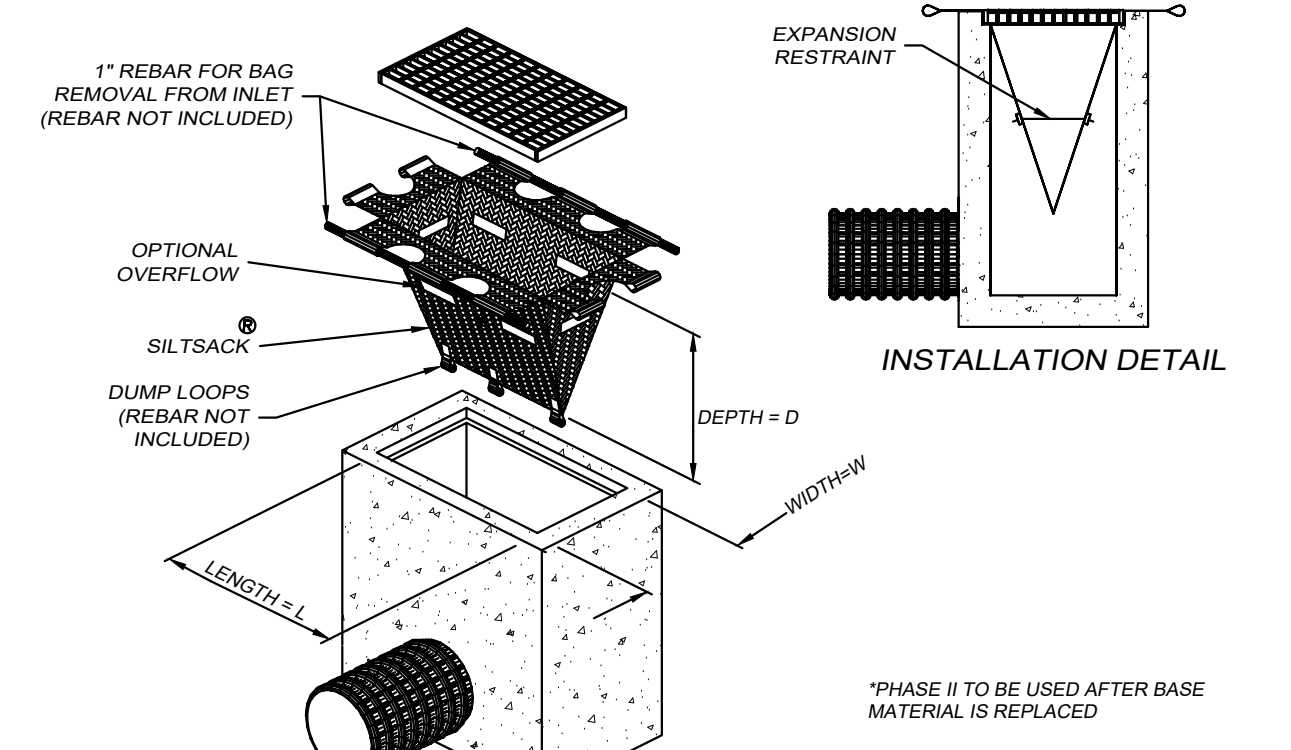
**CWA CONCRETE WASHOUT AREA**

SCALE: N.T.S.



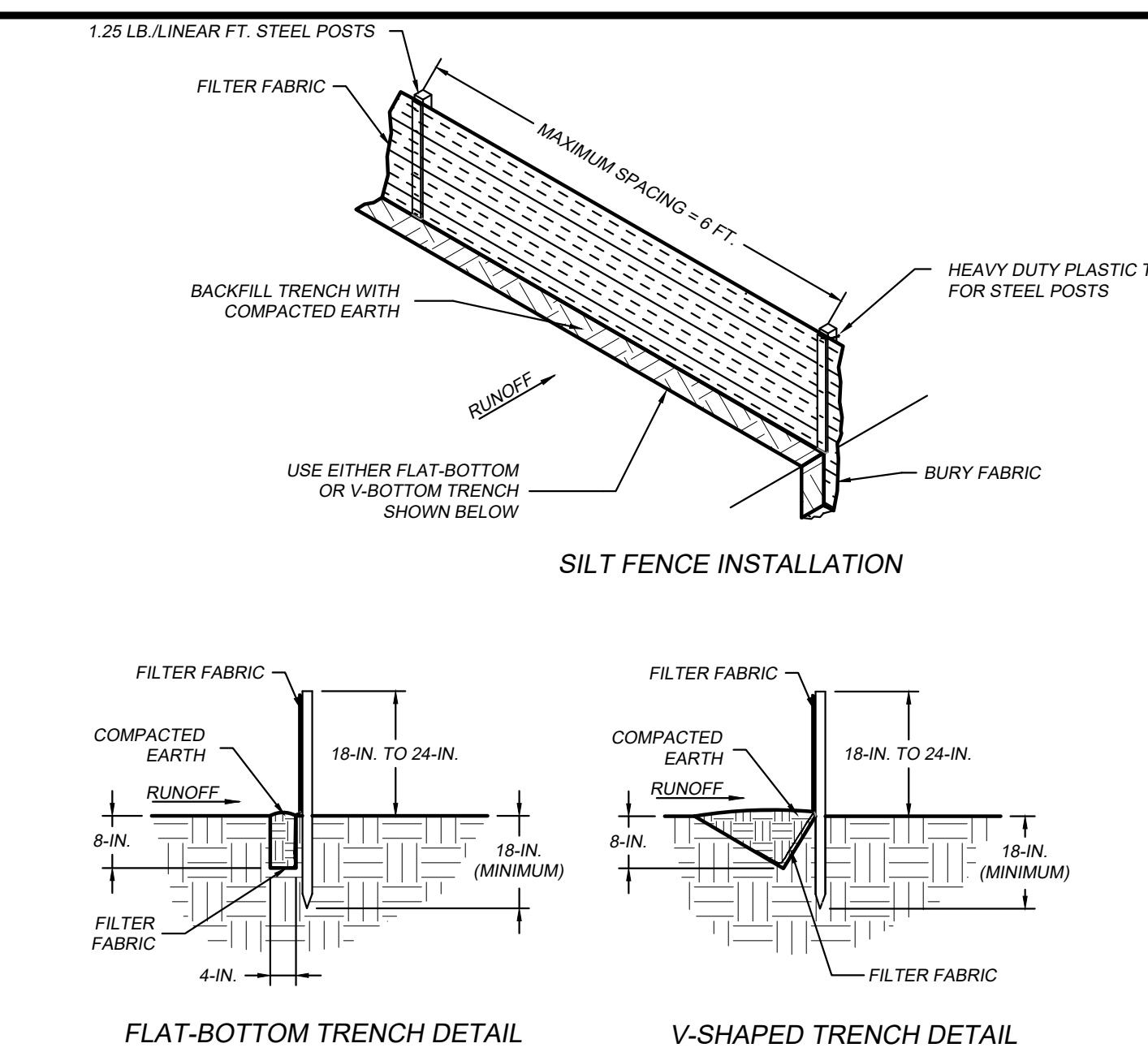
**IP TYPE A - FILTER FABRIC INLET PROTECTION**

SCALE: N.T.S.



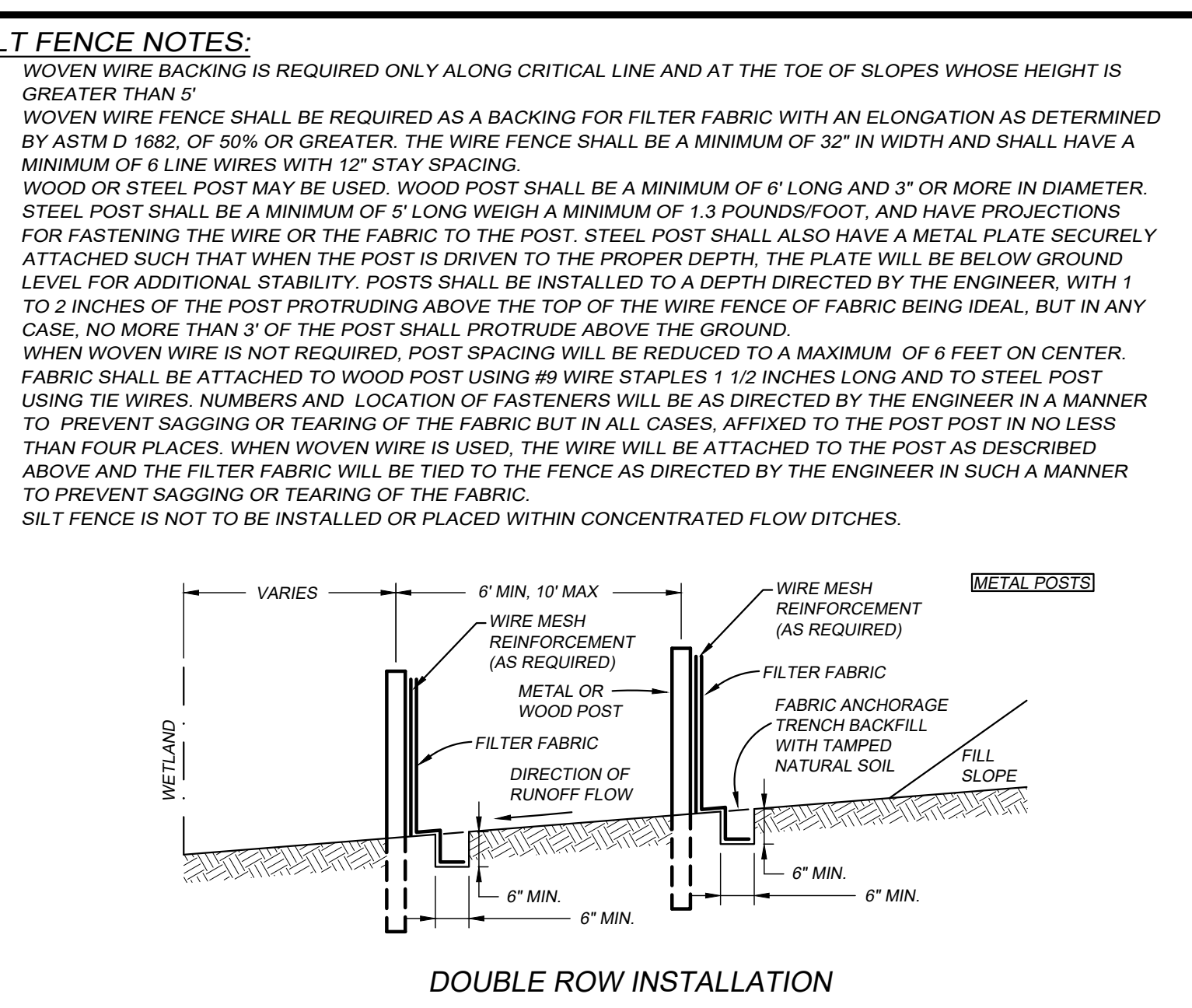
**PHASE II INLET PROTECTION**

SCALE: N.T.S.



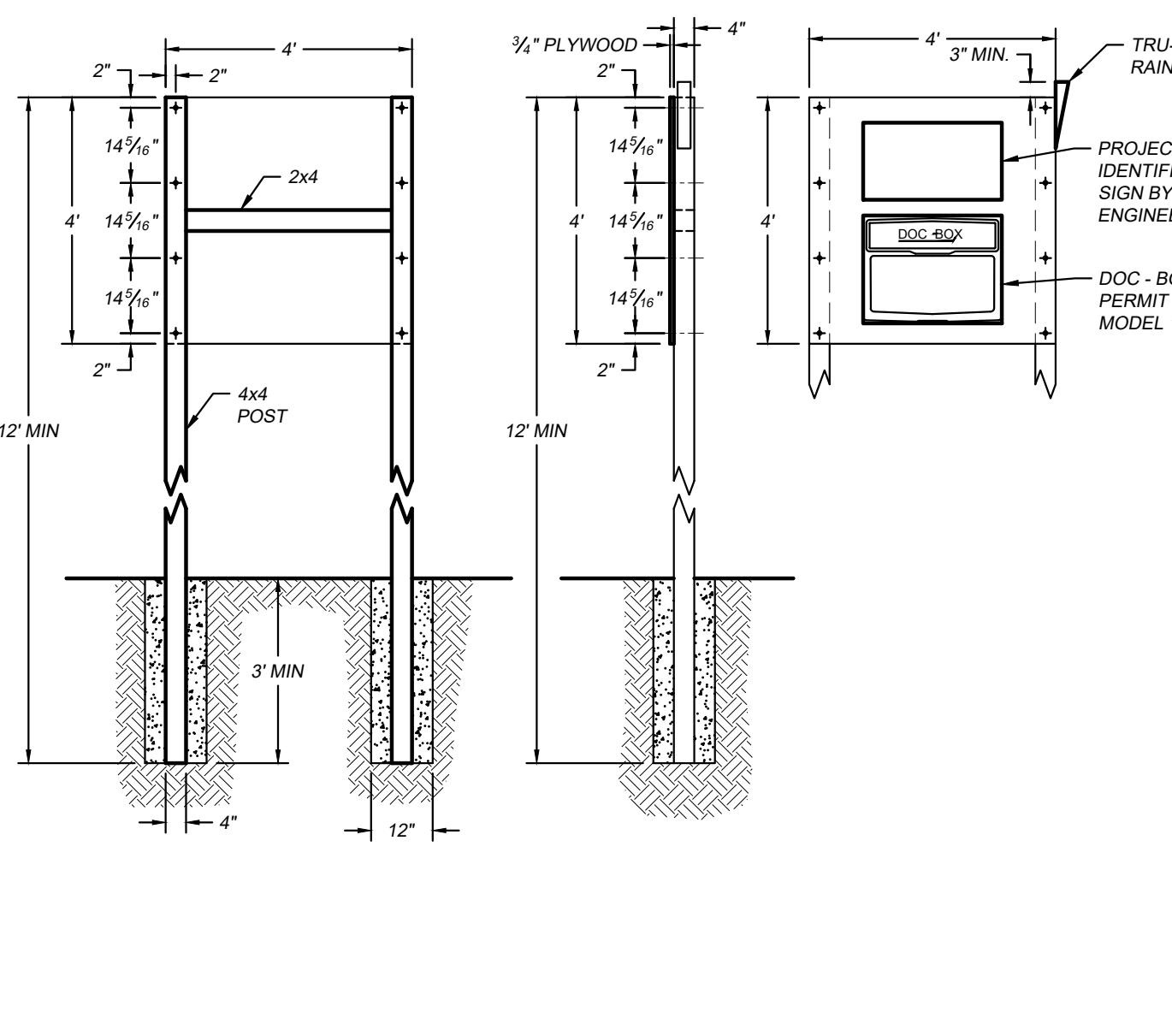
**SF SILT FENCE**

SCALE: N.T.S.



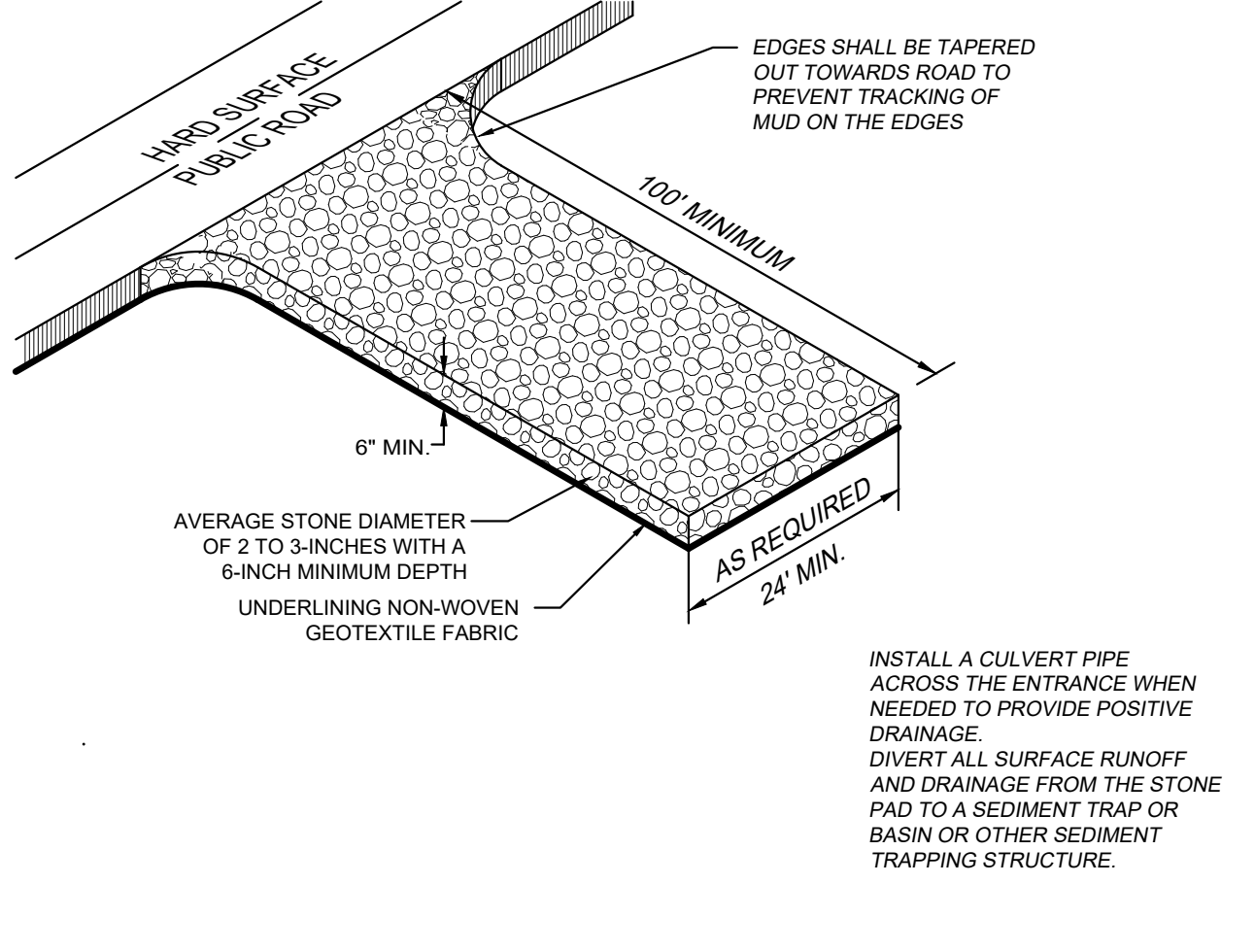
**DOUBLE ROW SILT FENCE INSTALLATION**

SCALE: N.T.S.



**SITE SIGN DETAIL**

SCALE: N.T.S.



**CE STABILIZED CONSTRUCTION ENTRANCE**

SCALE: N.T.S.

**SGA NarmourWright DESIGN**

8263 Ocean Highway  
Pawleys Island, SC 29585  
p 843.237.3421  
www.sganwdesign.com

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Consulting Engineers, Surveyors, Planners,  
Landscape Architects & Environmentalists  
1298 Professional Dr., Myrtle Beach, SC 29577  
Phone: (843) 692-3200 Fax: (843) 692-3210

**WAVERY PARK**

AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVERY RD.  
PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER: 19101E  
ISSUE DATE: 02/09/2022

DRAWN BY: TAC  
CHECKED BY: EKS

**Bid Set Revision Drawings**

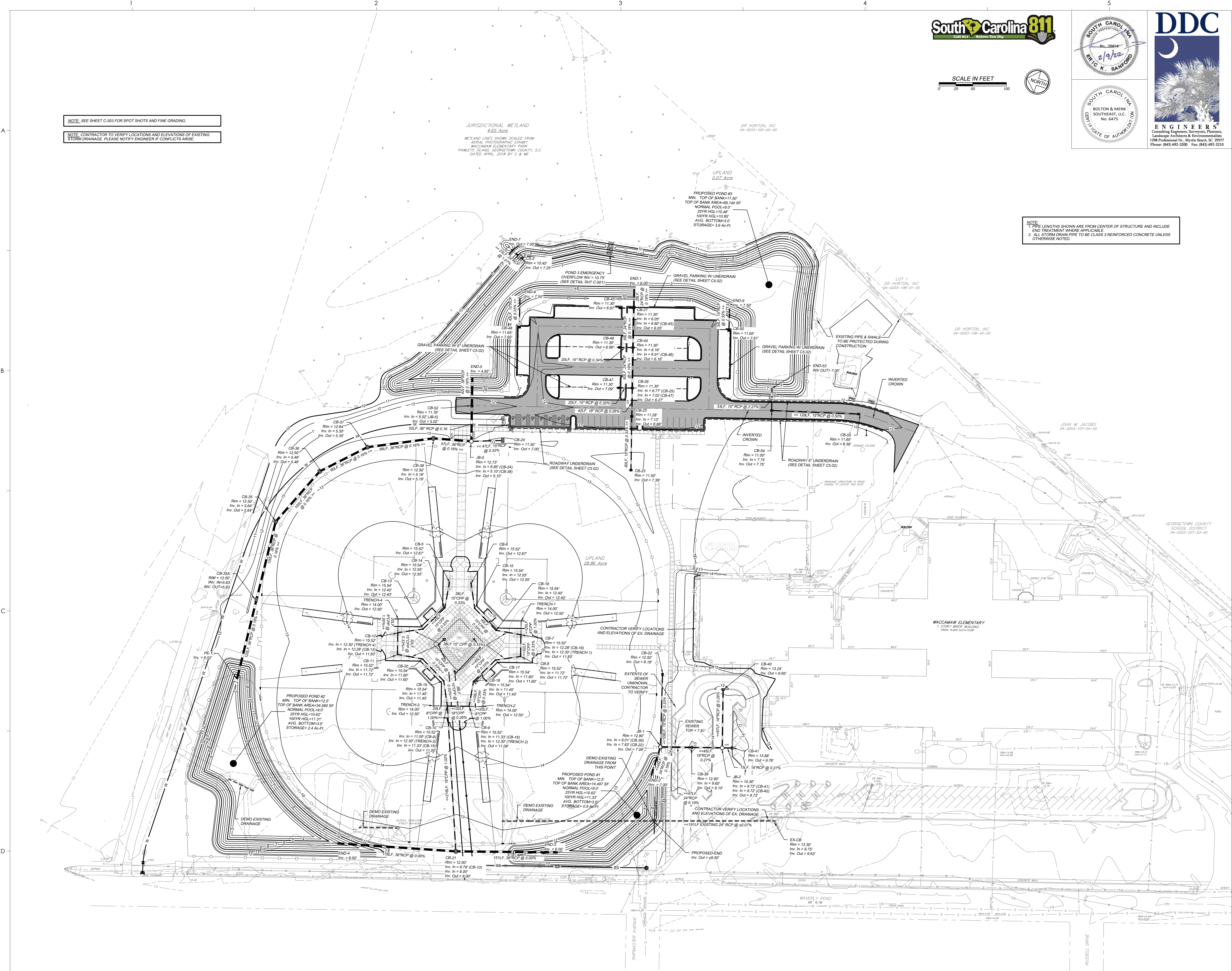
Revision Schedule		
#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
8	VALUE ENGINEERING	2-9-22

**SEDIMENT AND EROSION CONTROL DETAILS**

**C-204**

NOTE: SEE SHEET C-303 FOR SPOT SHOTS AND FINE GRADING.  
NOTE: CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM DRAINAGE. PLEASE NOTIFY ENGINEER IF CONFLICTS ARISE.

NOTE:  
1. PIPE LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE AND INCLUDE END TREATMENT WHERE APPLICABLE.  
2. ALL STORM DRAIN PIPE TO BE CLASS 3 REINFORCED CONCRETE UNLESS OTHERWISE NOTED.



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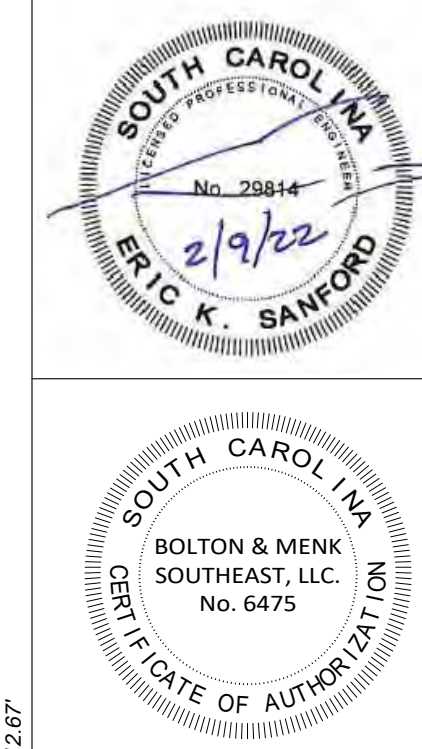
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DRAINAGE PLAN

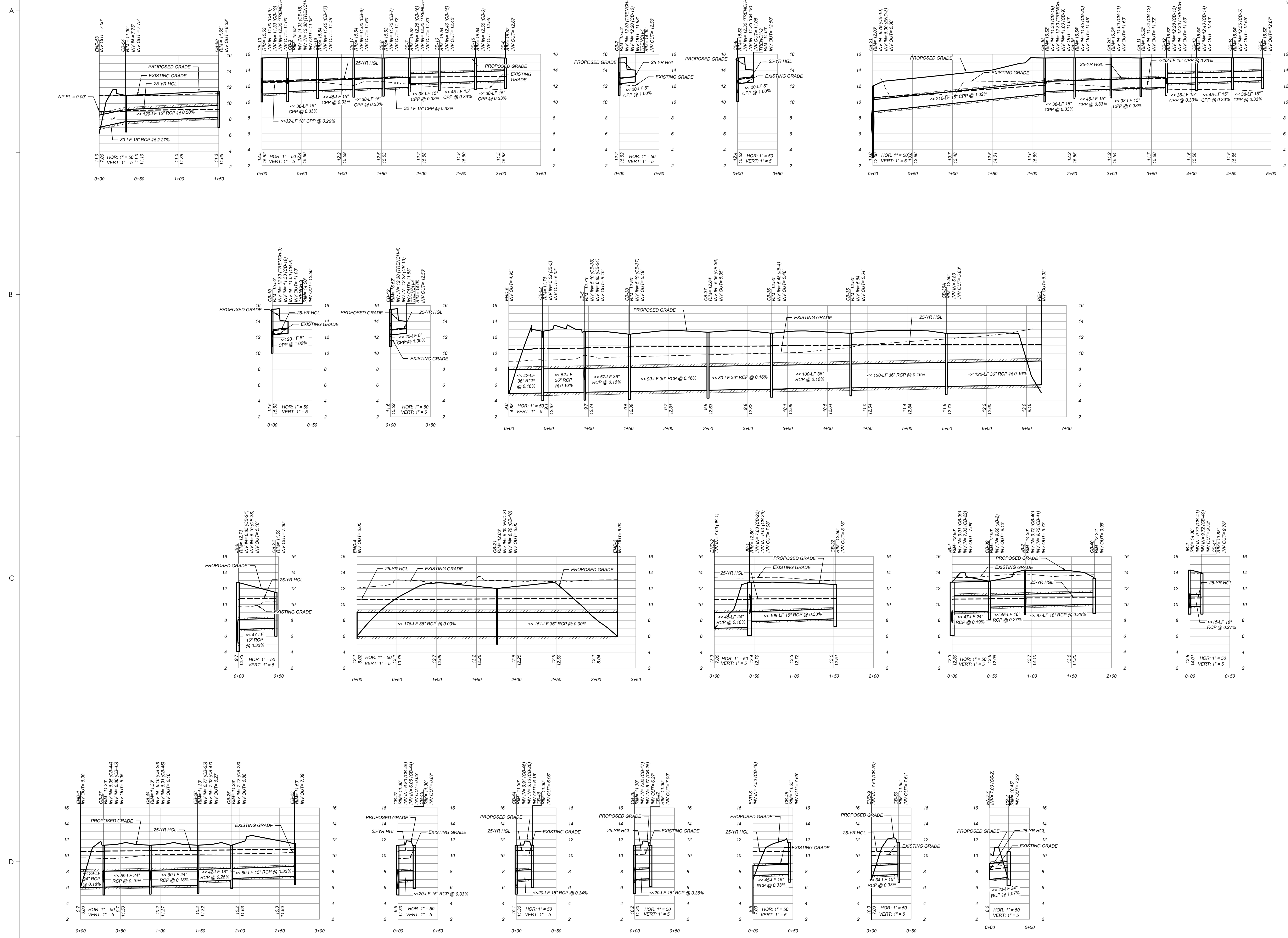
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NOTE: CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM DRAINAGE. PLEASE NOTIFY ENGINEER IF CONFLICTS ARISE.



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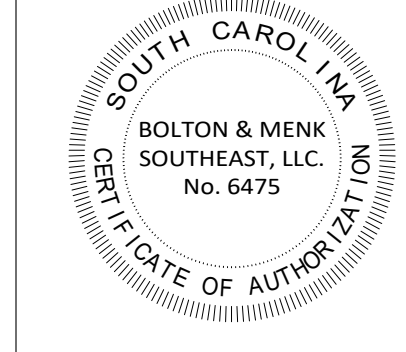
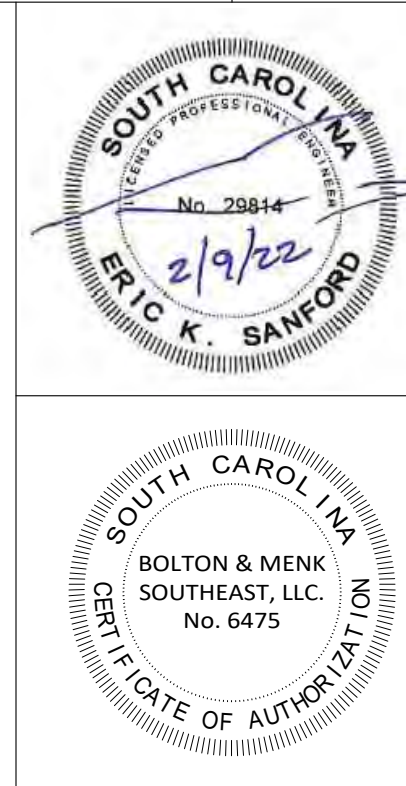
PROJECT NUMBER: 19101E  
 ISSUE DATE: 02/09/2022  
 DRAWN BY: TAC  
 CHECKED BY: EKS  
**Bid Set Revision Drawings**

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8	VALUE ENGINEERING	2-9-22

**DRAINAGE PROFILES**

**C-302**

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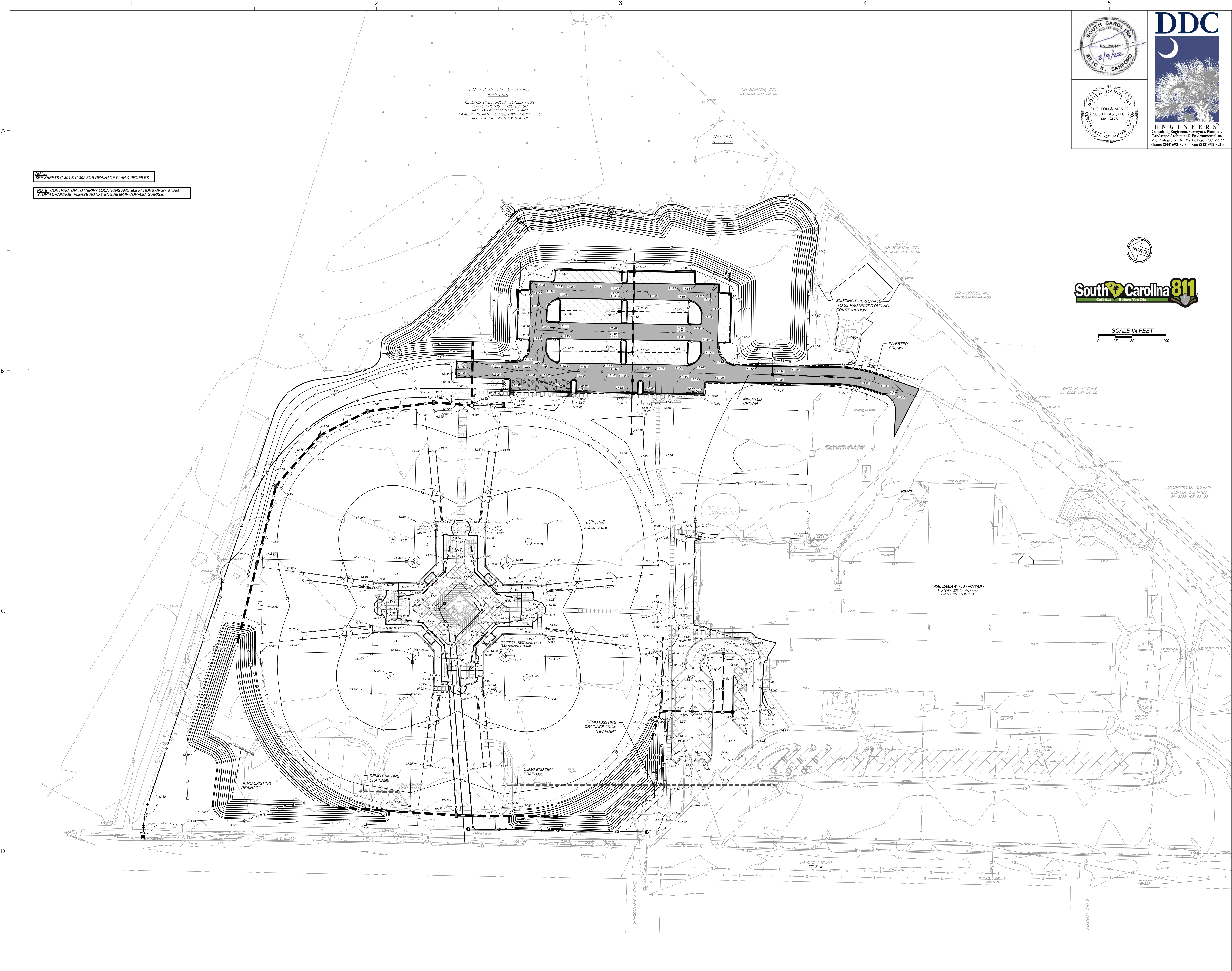


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Consulting Engineers, Surveyors, Planners,  
Landscape Architects & Environmentalists  
1298 Professional Dr., Myrtle Beach, SC 29577  
Phone: (843) 692-3200 Fax: (843) 692-3210



NOTE:  
SEE SHEETS C-301 & C-302 FOR DRAINAGE PLAN & PROFILES

NOTE: CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM DRAINAGE. PLEASE NOTIFY ENGINEER IF CONFLICTS ARISE.



**WAVERLY PARK**  
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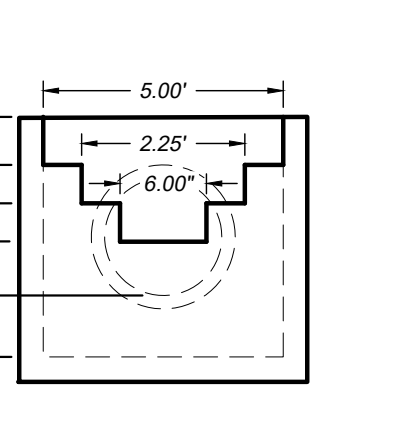
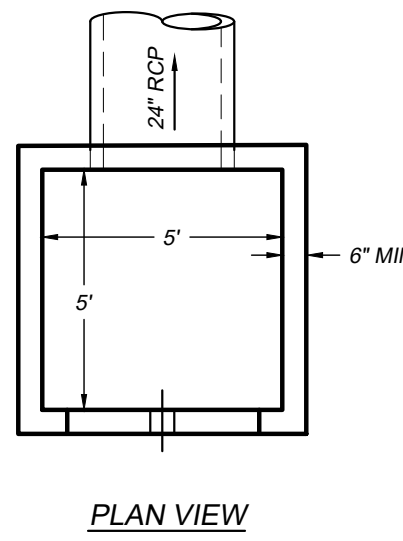
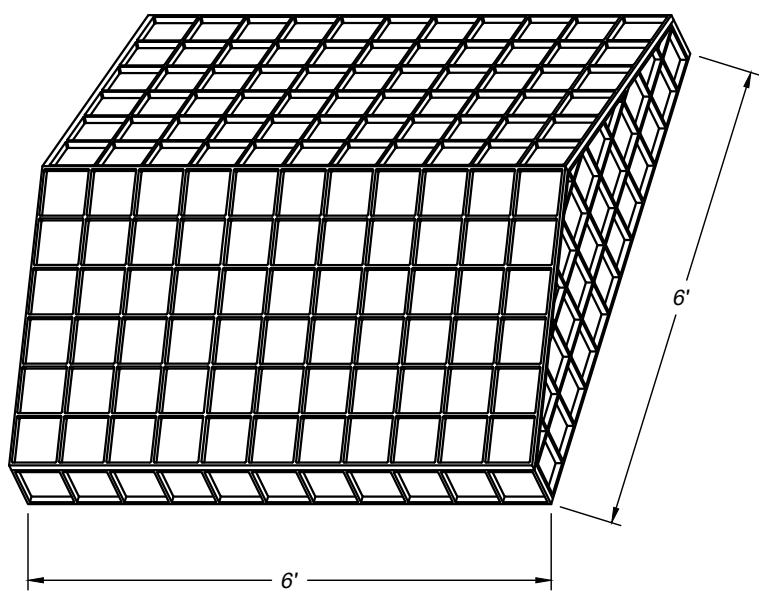
GRADING PLAN

**C-303**

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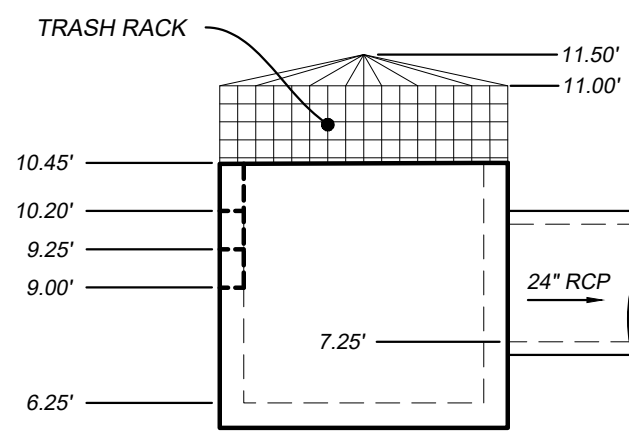
**NOTE:**

- CONTRACTOR TO PROVIDE A PEAKED ROOF STRUCTURE TRASH RACK BY PLASTIC SOLUTIONS INC. (875.877.0271) OR EQUIVALENT. 6" X 6" MAXIMUM GRATE OPENING.
- PROVIDE STEPS PER SCDOT DETAIL SECTION 718.000 IN ALL DRAINAGE STRUCTURES DEEPER THAN 24". LOCATE STEPS WITHIN REASONABLE PROXIMITY TO ACCESS POINT (HANDHOLE OR GRATE OPENING) WITHOUT INTERFERING WITH PIPE ORIENTATIONS.



PLAN VIEW

FRONT VIEW



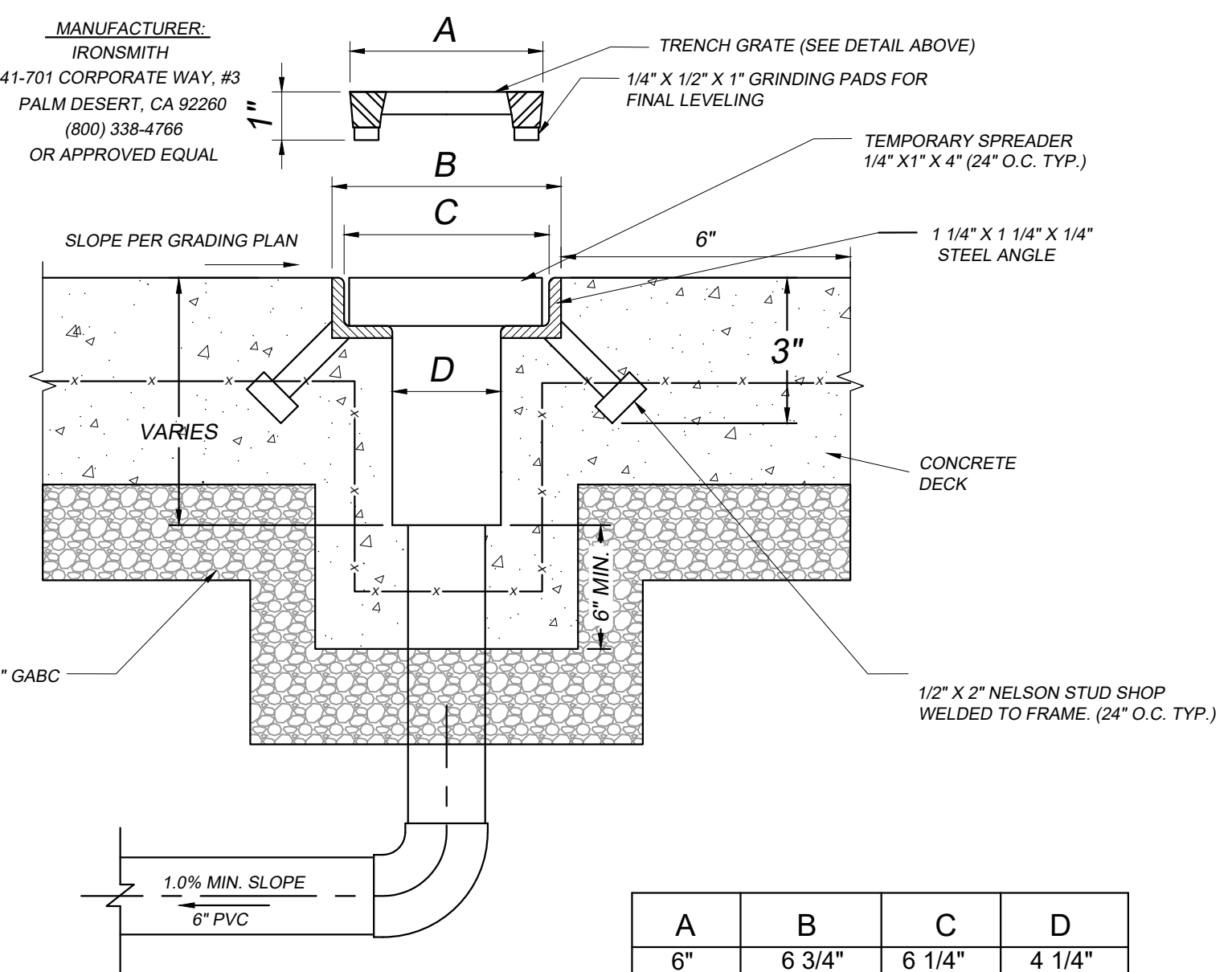
SIDE VIEW

**POND CONTROL STRUCTURE (POND 3)**  
SCALE: N.T.S.

MANUFACTURER: IRONSMITH  
41-701 CORPORATE WAY, #3  
PALM DESERT, CA 92260  
800.338-4786  
OR APPROVED EQUAL

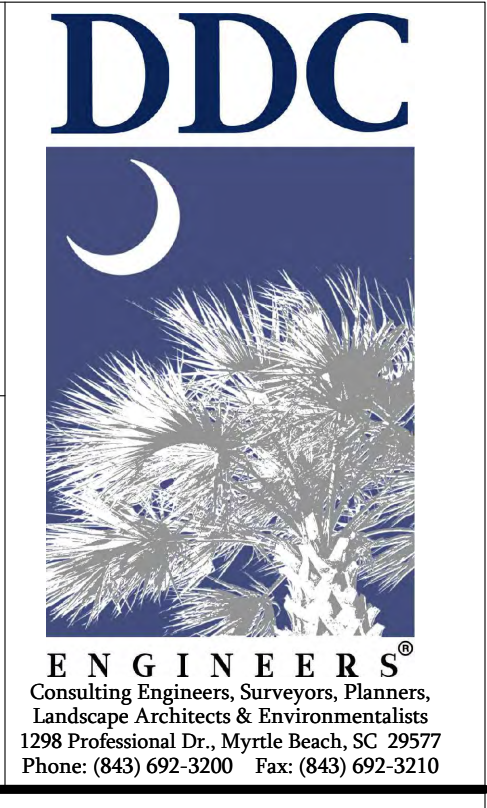
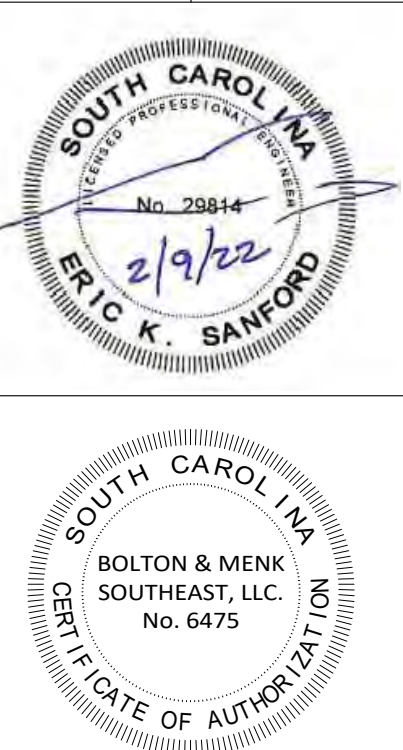
MODEL	DIMENSIONS	
	GRATE WIDTH	TRENCH WIDTH
M9059-6	6"	4-1/4"

**DECORATIVE TRENCH DRAIN GRATE**  
N.T.S.



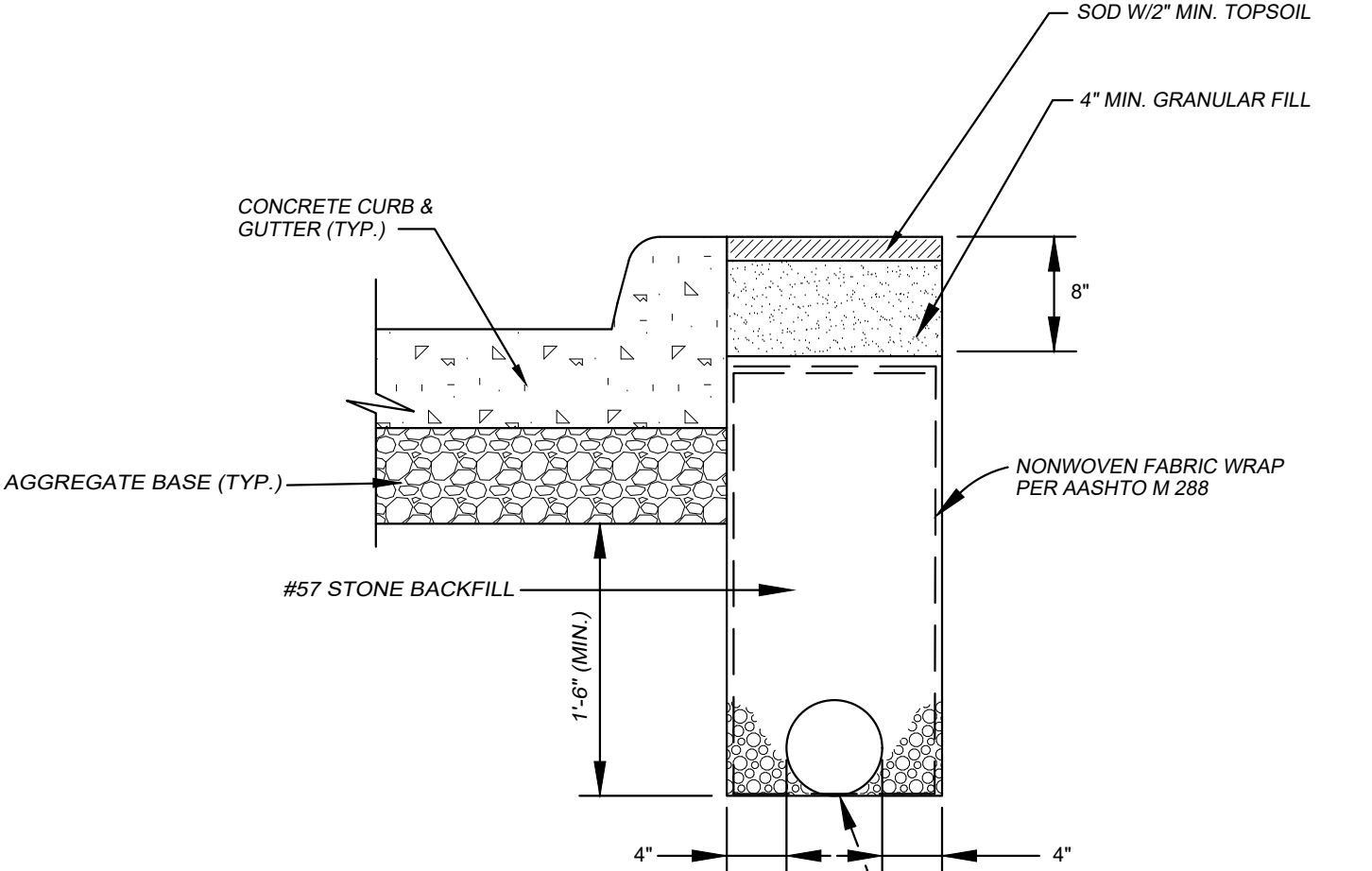
**TRENCH DRAIN SECTION**  
SCALE: N.T.S.

A	B	C	D
6"	6 3/4"	6 1/4"	4 1/4"



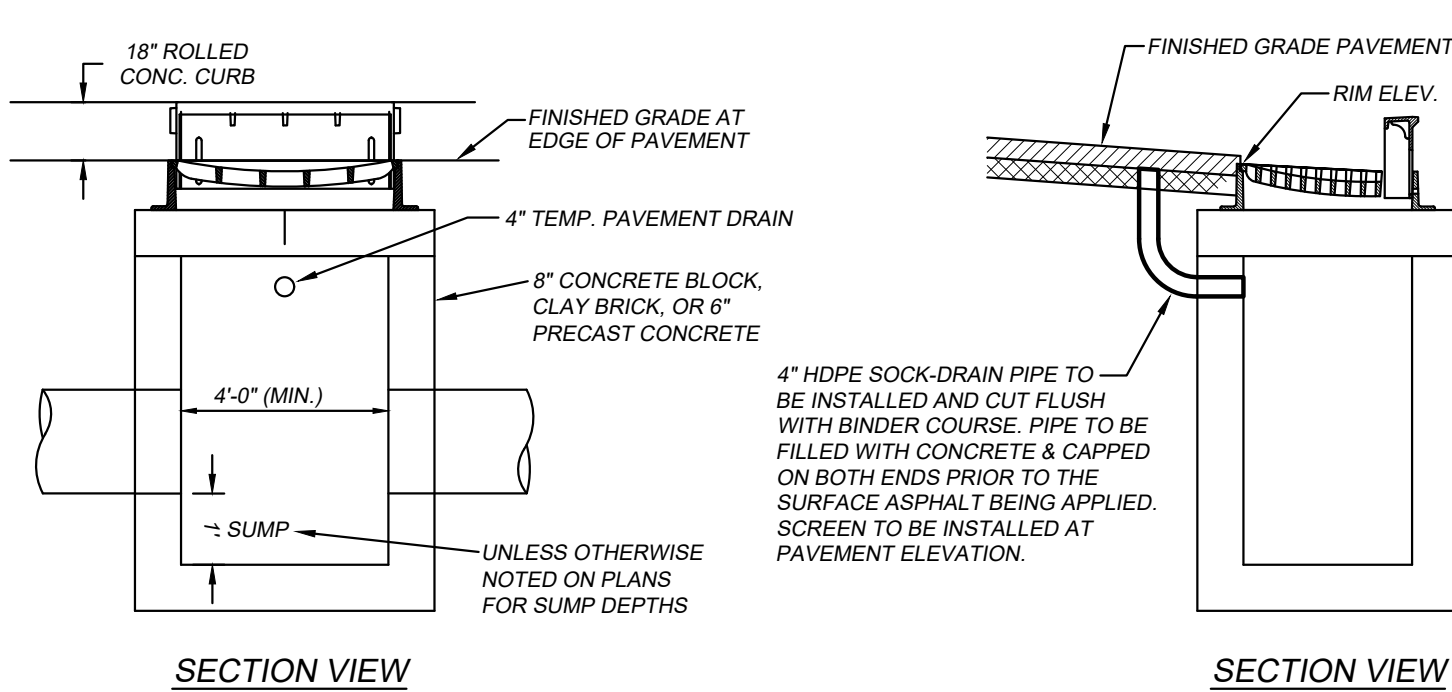
**SGA NarmourWright DESIGN**  
8263 Ocean Highway  
Pawleys Island, SC 29585  
p 843.237.3421  
www.sganwdesign.com

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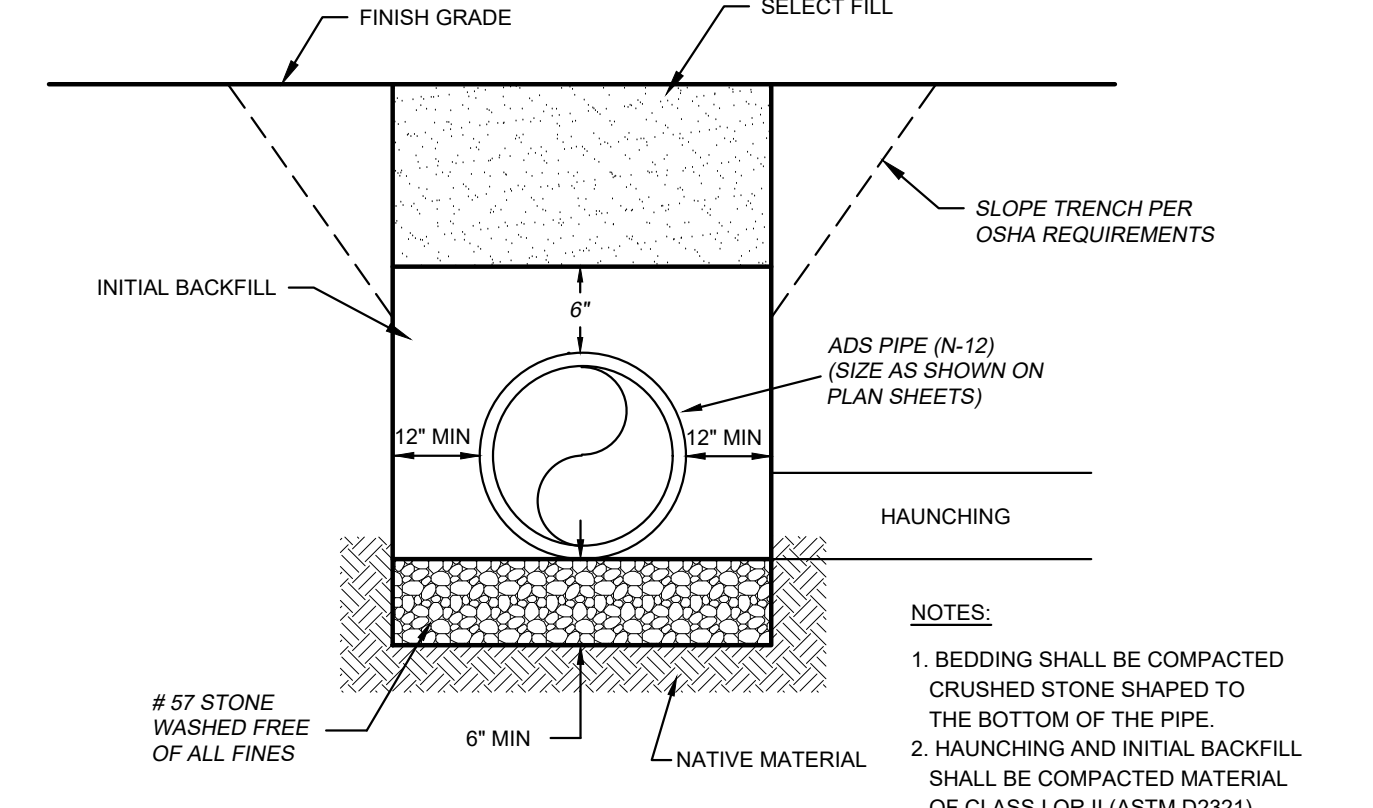


- NOTE:**
- CONTRACTOR IS TO REPAIR ALL UNDERDRAINS DAMAGED WHILE INSTALLING NEW WATER AND SEWER SERVICES.
  - ALL UNDERDRAINS SHALL BE INSPECTED PRIOR TO BACKFILLING.
  - ALL UNDERDRAINS SHALL BE INSTALLED ABOVE THE POND NORMAL POOL ELEVATION.

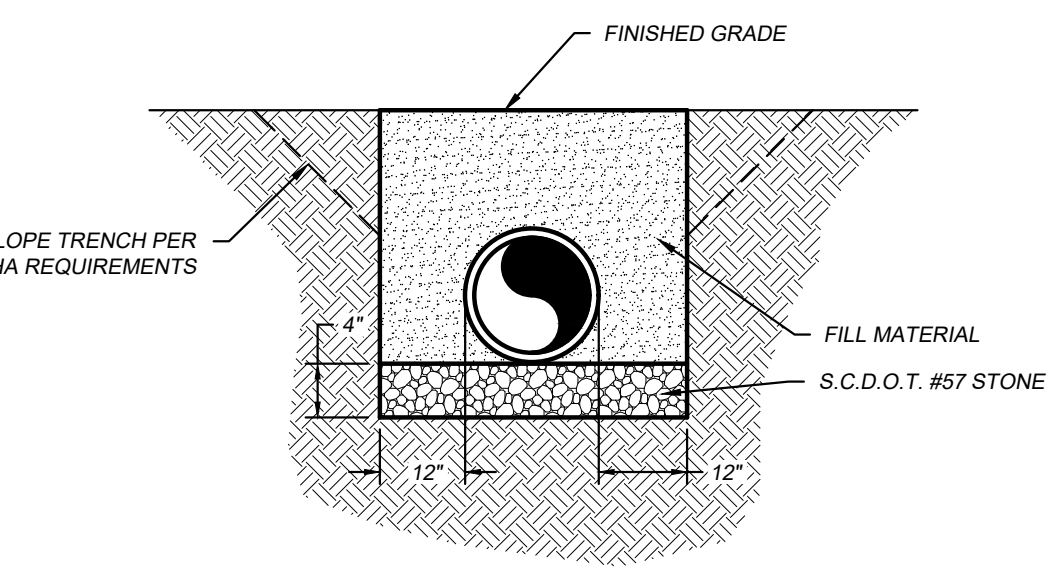
**TYPICAL ROADWAY UNDERDRAINS**  
SCALE: N.T.S.



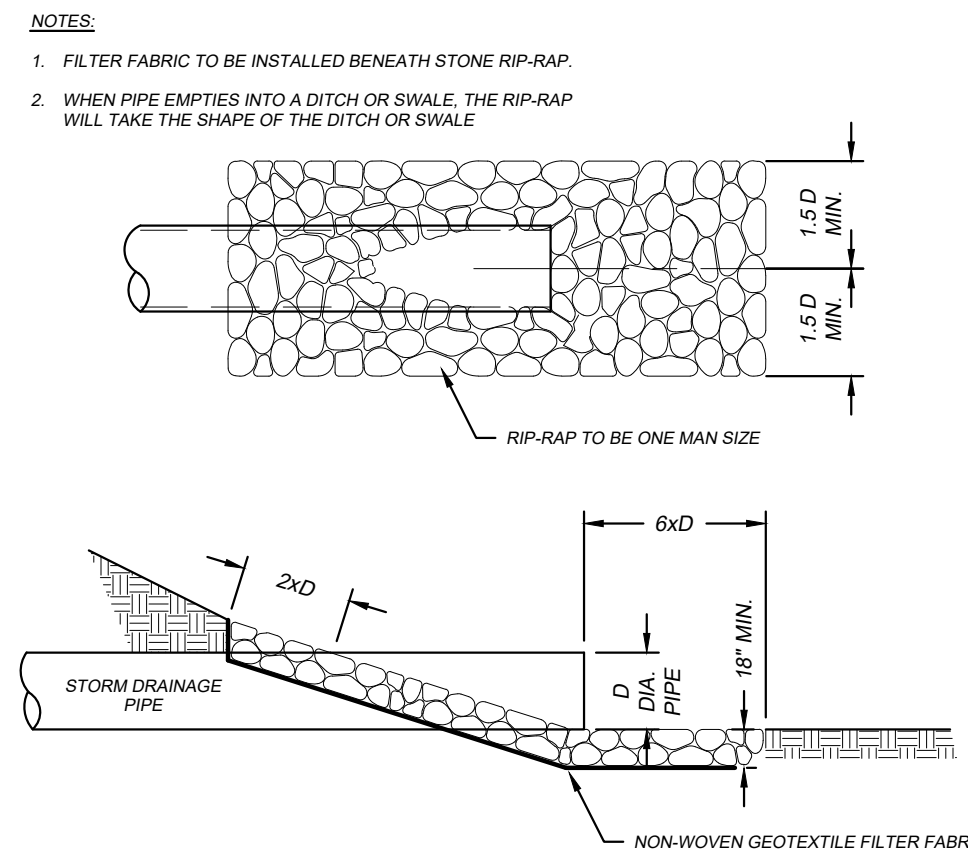
**CURB INLET DETAIL**  
N.T.S.



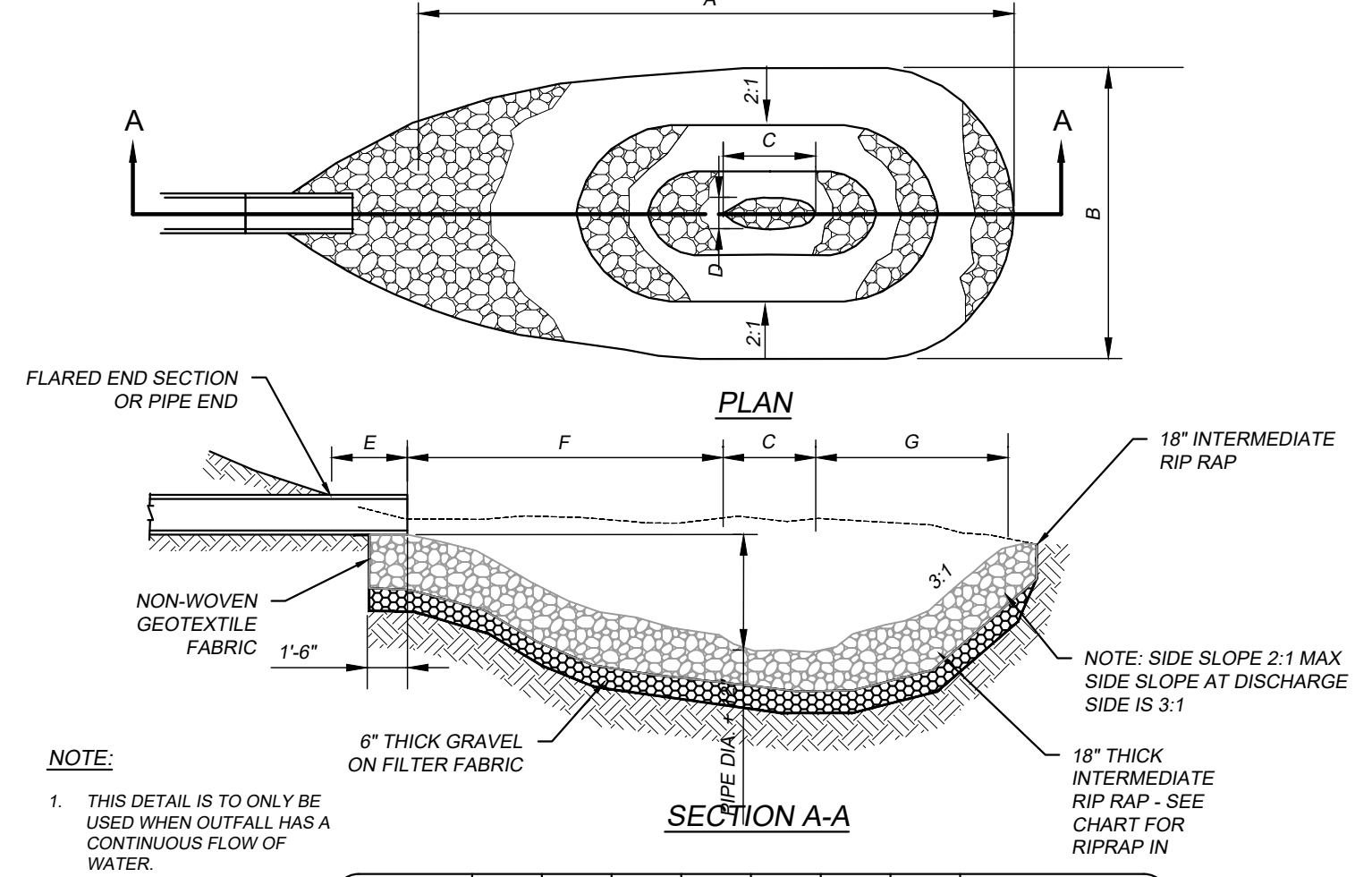
**CORRUGATED POLYETHYLENE PIPE (CPP) BEDDING DETAIL**  
SCALE: N.T.S.



**REINFORCED CONCRETE PIPE BEDDING**  
SCALE: N.T.S.

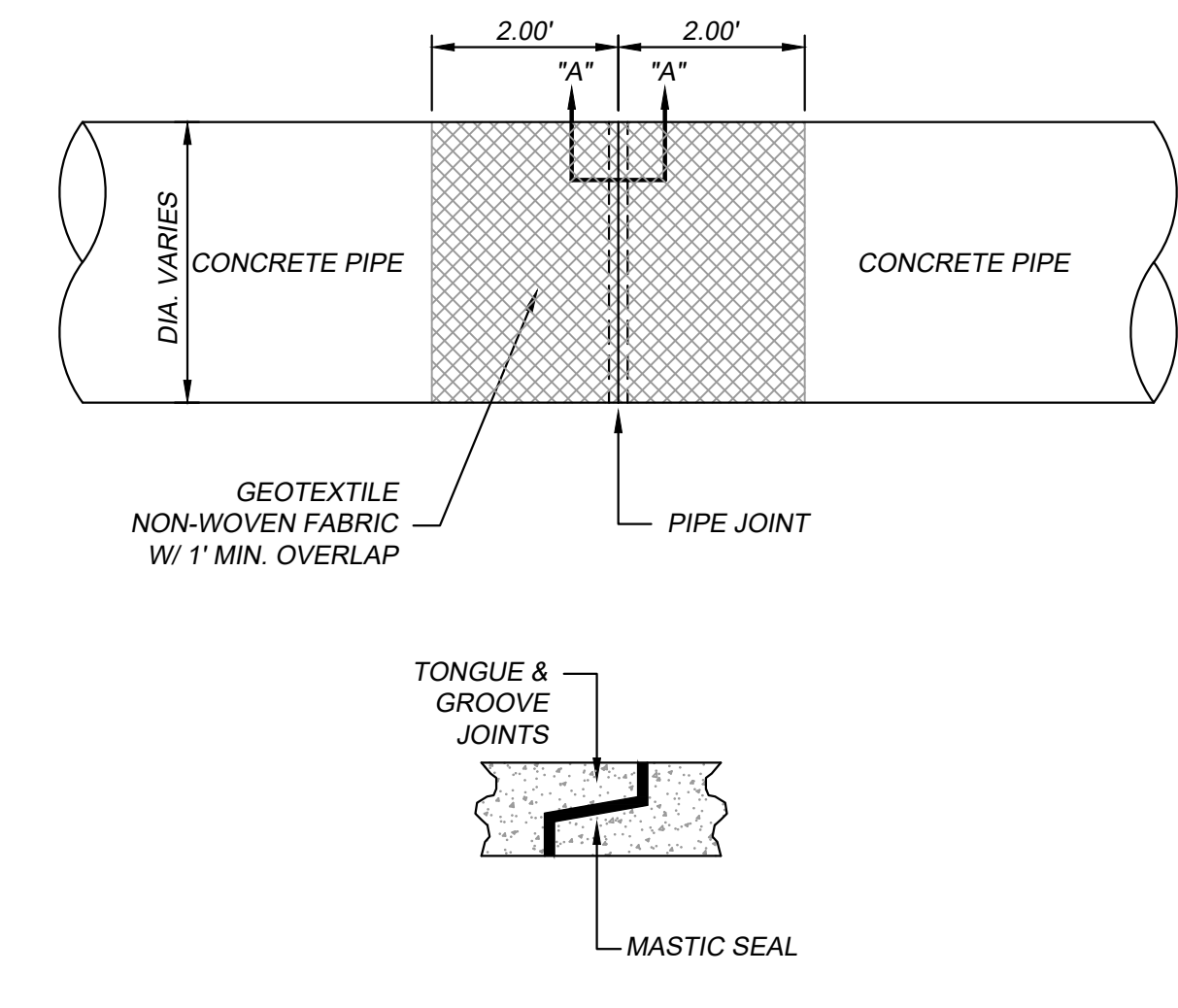


**RIP-RAP PIPE OUTLET**  
SCALE: N.T.S.

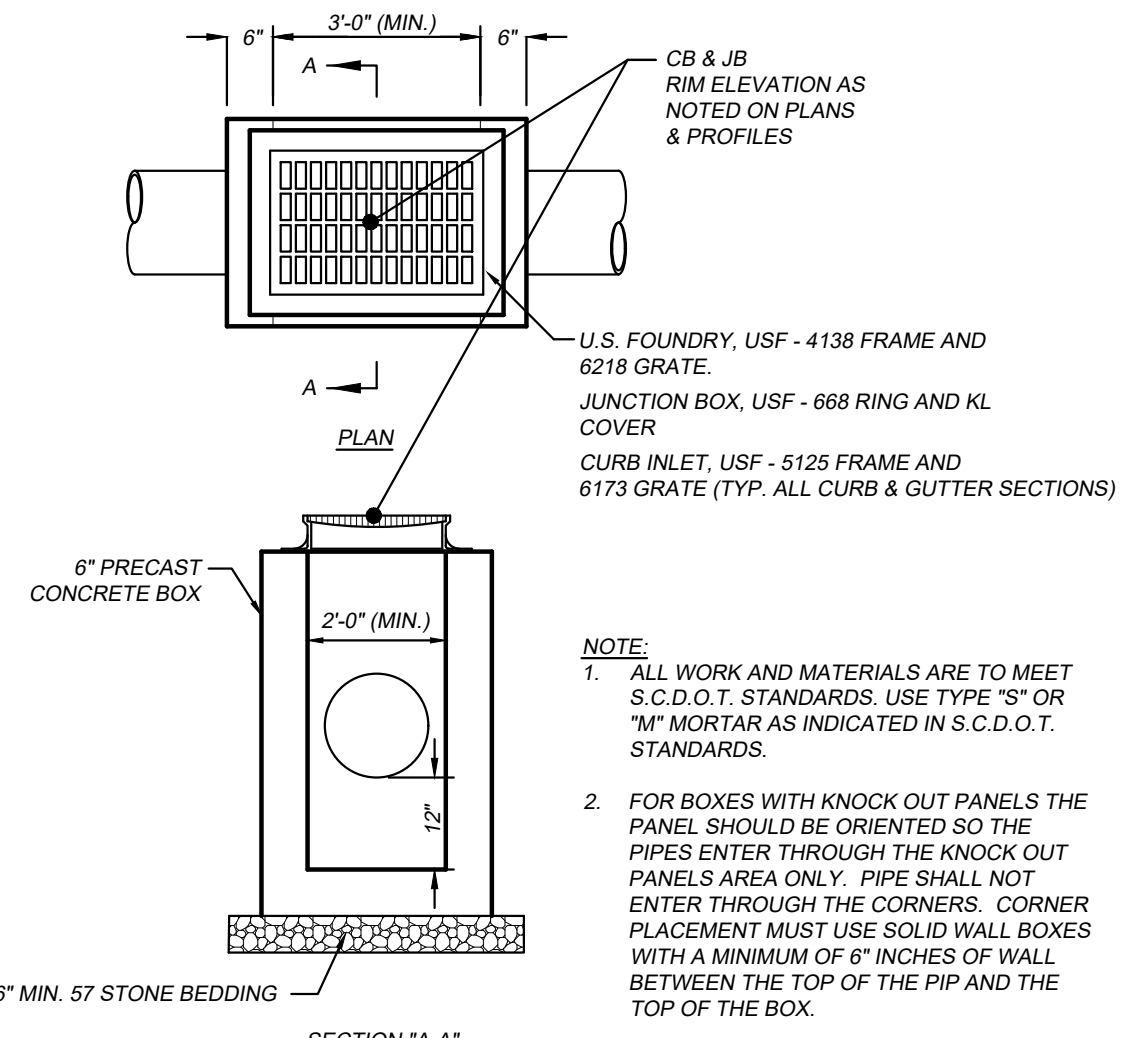


**RIPRAP PLUNGE POOL**  
SCALE: N.T.S.

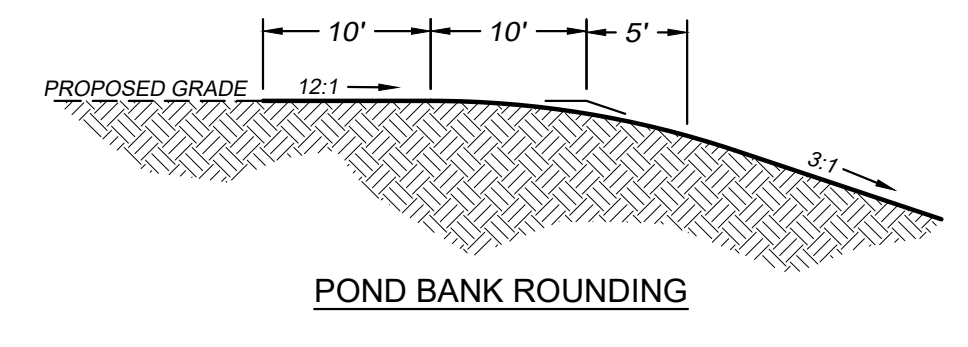
PIPE SIZE	A	B	C	D	E	F	G	WT. RIPRAP IN TONS
18"	10"	7"	1.62'	1'	1'	4.12'	7'	6
18"	12"	8"	2"	1'	1'	4.12'	7'	8
24"	15"	9"	2.12'	1.62'	1'	7'	4.12'	12
24"	17"	10"	3.12'	1.62'	1'	8'	5.12'	15
30"	20"	12"	3"	2"	2"	7'	7'	22
36"	24"	15"	3.12'	2"	2"	9.12'	7'	33



**PIPE JOINT DETAIL**  
SCALE: N.T.S.

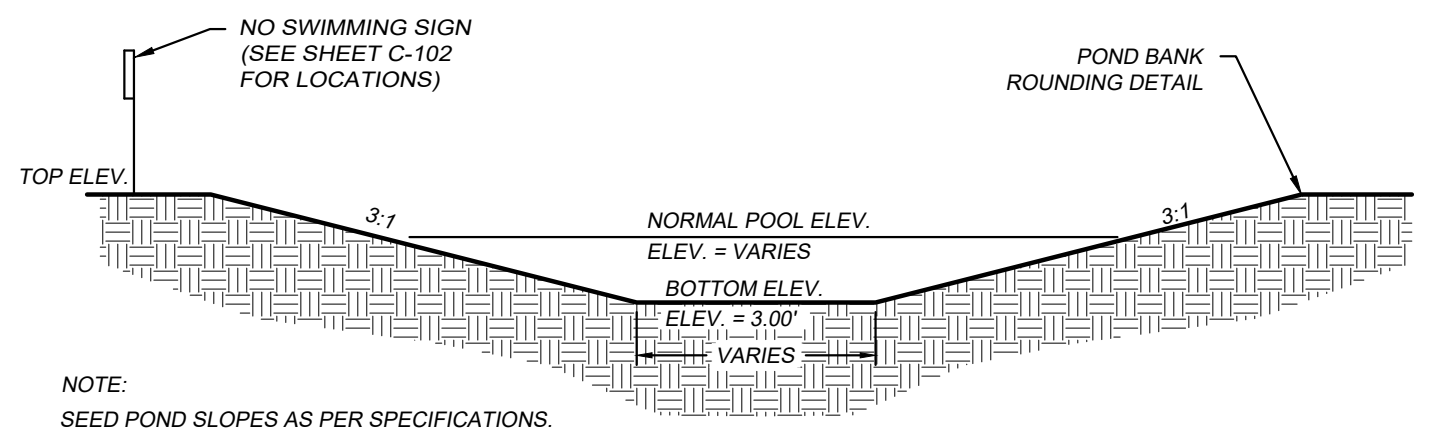


**TYPICAL CATCH BASIN / JUNCTION BOX**  
SCALE: N.T.S.



**POND BANK ROUNDING**

POND ID	NORMAL POOL	TOP	BOTTOM	25YR HSL	100YR HSL
POND 1	9.00'	12.50'	3.00'	10.62'	11.33'
POND 2	9.00'	12.50'	3.00'	10.62'	11.31'
POND 3	9.00'	11.50'	3.00'	10.48'	10.85'



**POND CROSS SECTION**  
SCALE: N.T.S.

**WAVERLY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

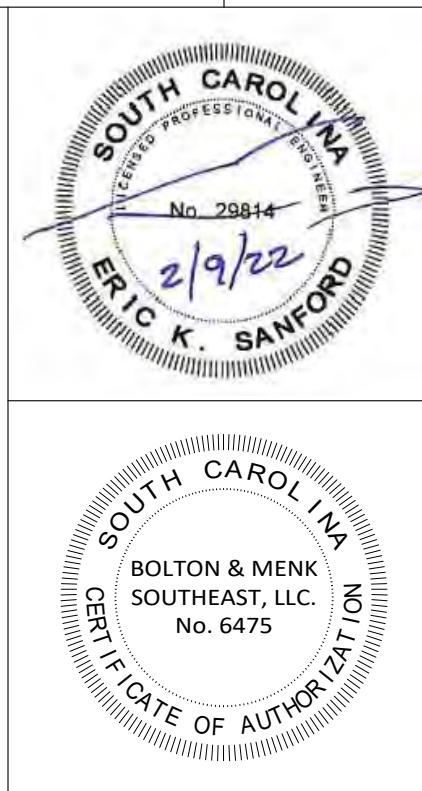
PROJECT NUMBER: 19101E  
ISSUE DATE: 02/09/2022  
DRAWN BY: TAC  
CHECKED BY: EKS  
**Bid Set Revision Drawings**

#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
5	GT. STORM COMMENTS	5-05-21
6	GT. STORM COMMENTS	7-30-21
8	VALUE ENGINEERING	2-9-22

**GRADING AND DRAINAGE DETAILS**  
**C-304**



SCALE IN FEET  
0 25 50 100



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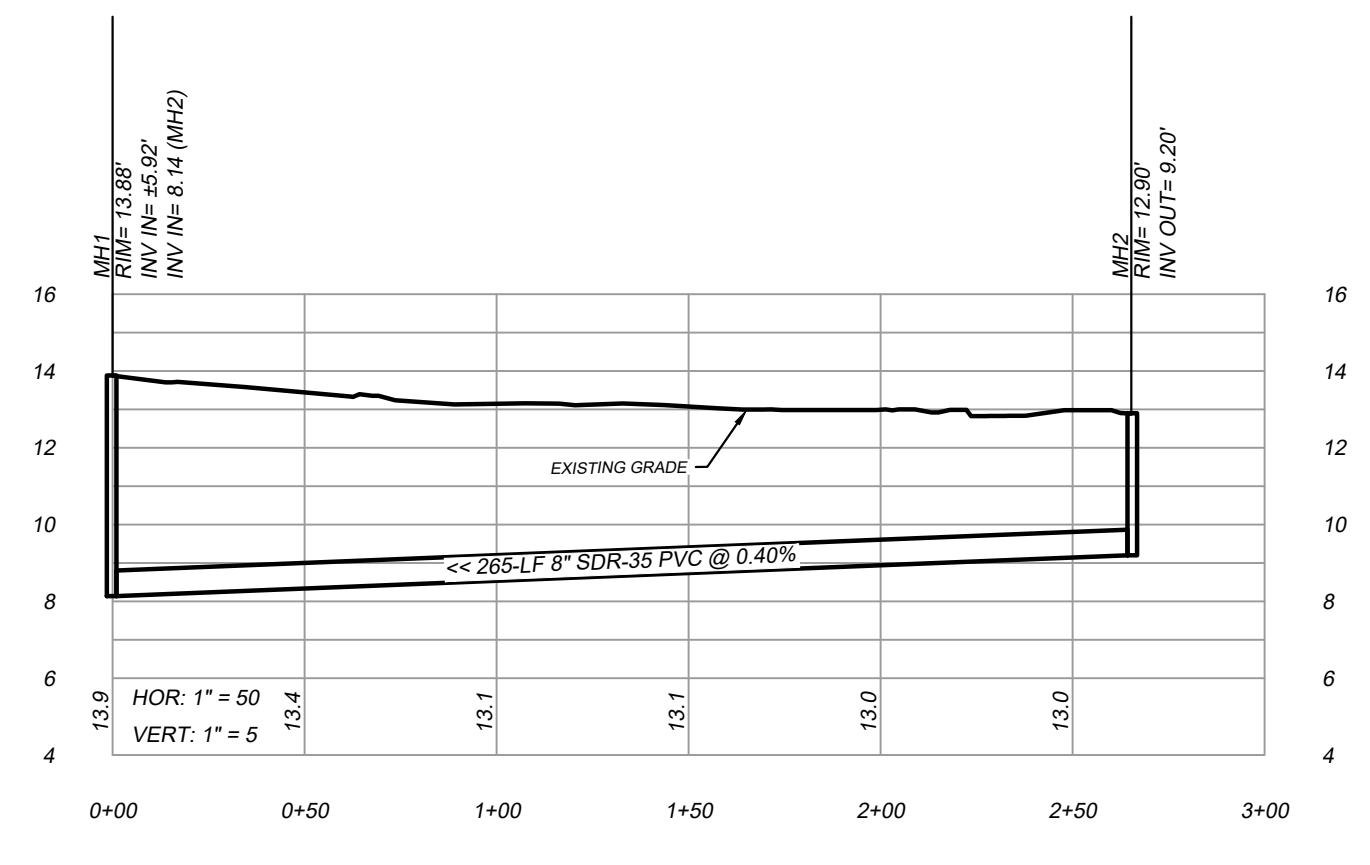
JURISDICTIONAL WETLAND  
4.65 Acres  
WETLAND LINES SHOWN SCALED FROM  
AERIAL PHOTOGRAPHIC EXHIBIT  
WACCAMAW ELEMENTARY PARK  
PAWLEYS ISLAND, GEORGETOWN COUNTY, S.C.  
DATE: APRIL, 2018 BY: S & MC

DR HORTON, INC  
04-0203-109-00-00

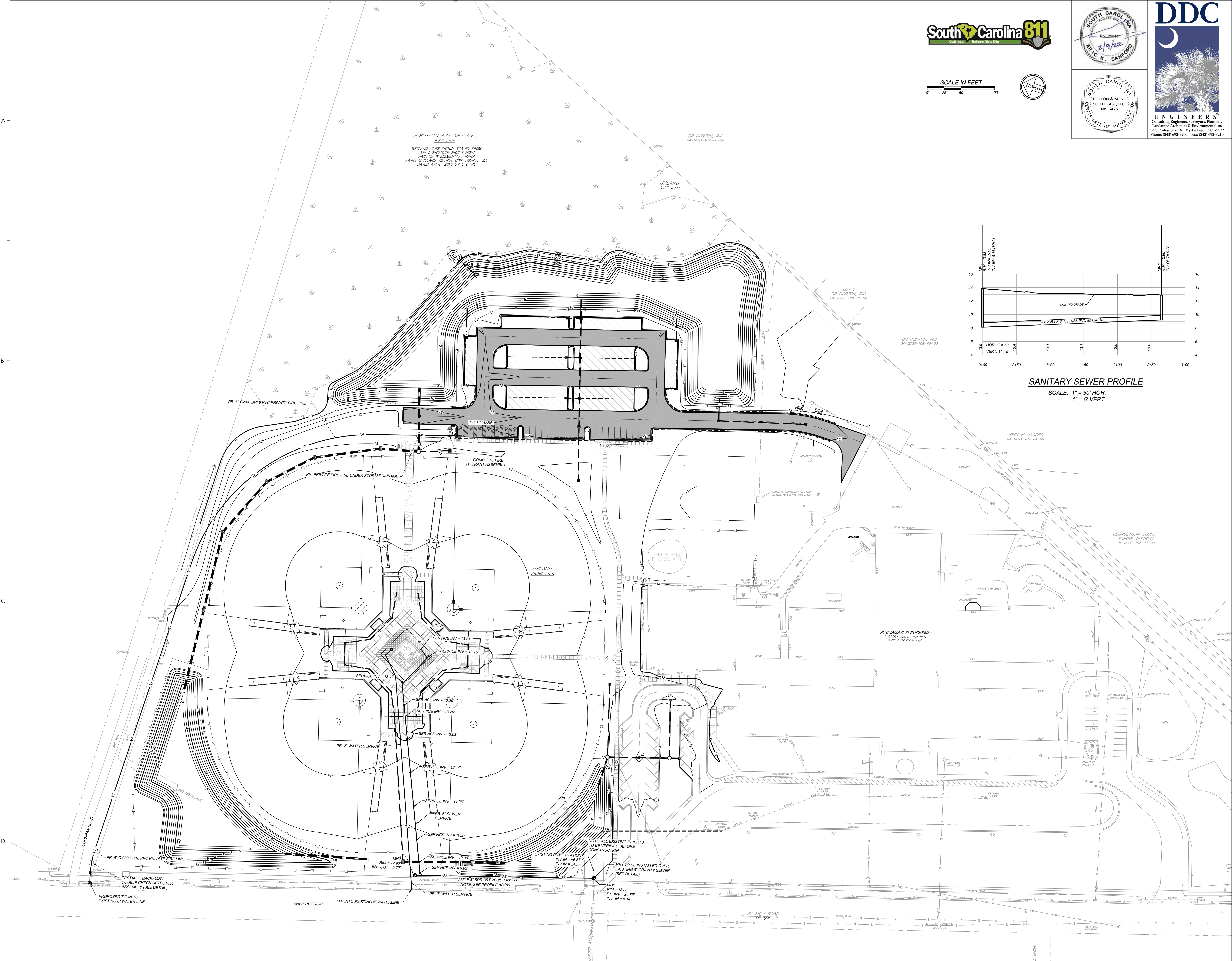
UPLAND  
0.02 Acres

LOT 1  
DR HORTON, INC  
04-0203-108-01-00

DR HORTON, INC  
04-0203-108-45-00



SANITARY SEWER PROFILE  
SCALE: 1" = 50' HOR.  
1" = 5' VERT.



WAVELY PARK  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVELY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
19101E  
ISSUE DATE:  
02/09/2022  
DRAWN BY: TAC  
CHECKED BY: EKS  
Bid Set Revision  
Drawings

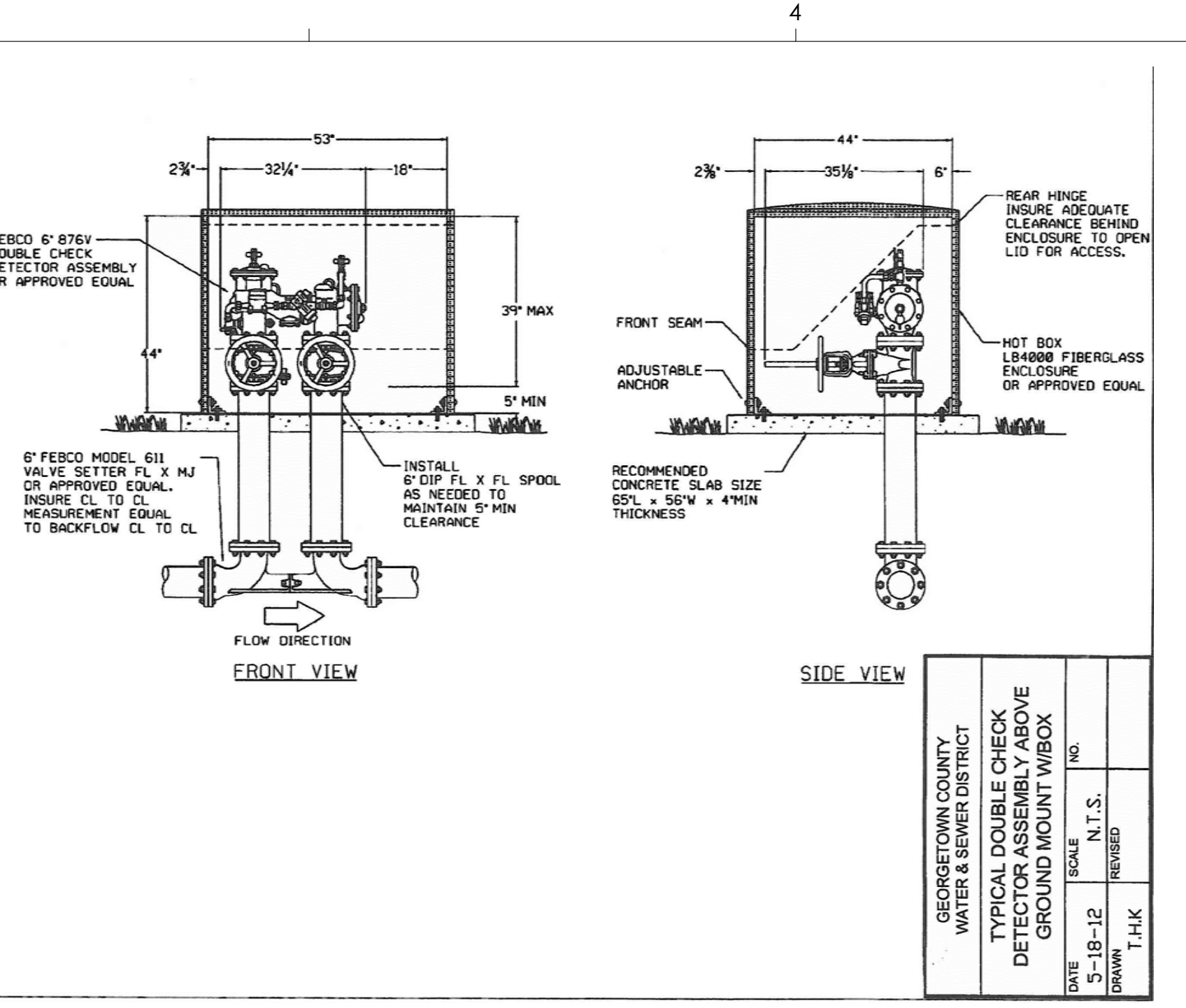
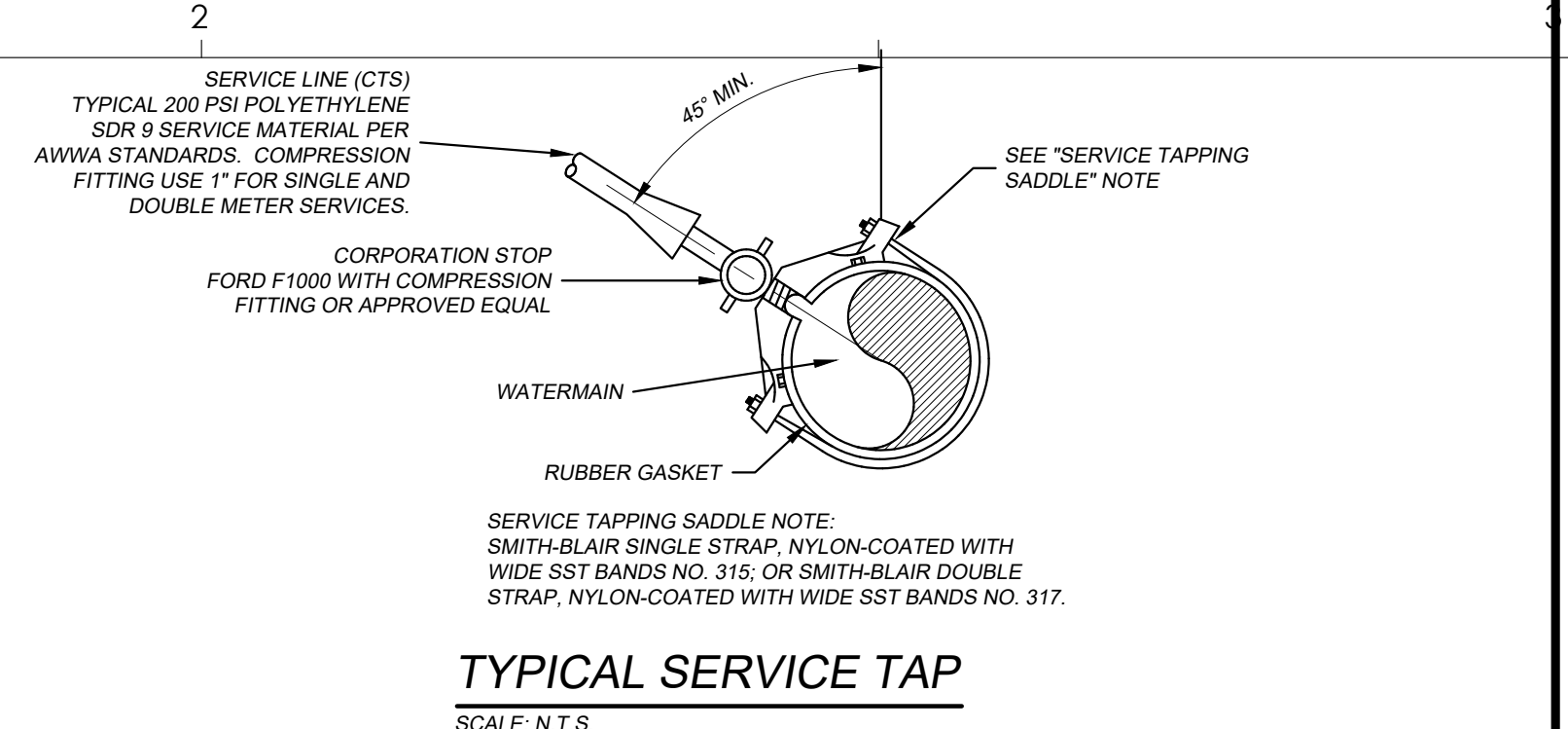
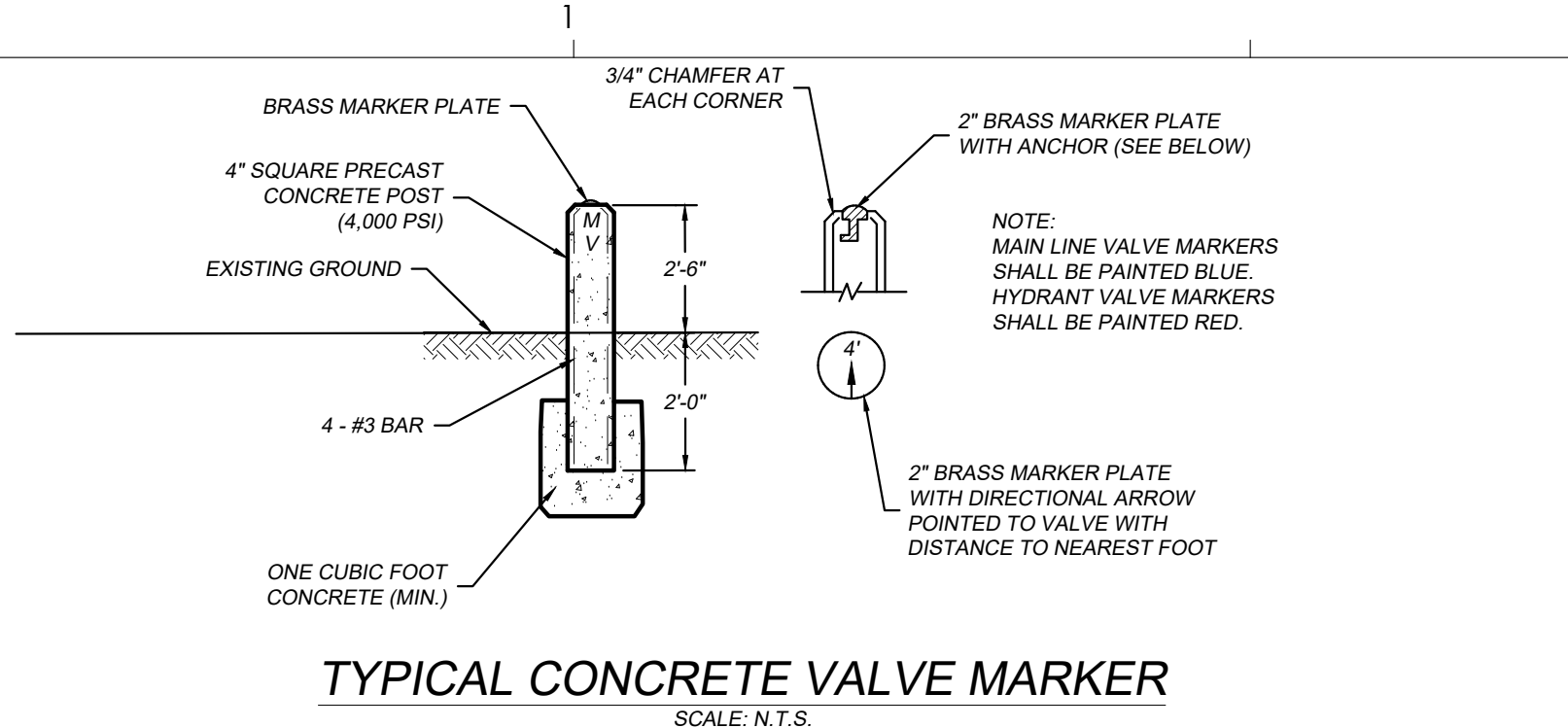
Revision Schedule		
#	Description	Date
2	SCDHEC COMMENTS	2-04-21
3	GCWSD COMMENTS	3-03-21
4	GT. STORM COMMENTS	4-14-21
7	GT. STORM COMMENTS	8-13-21
8	VALUE ENGINEERING	2-9-22

WATER DISTRIBUTION  
& SANITARY SEWER  
PLAN

C-401

I:\plans\19101e - waccamaw elementary school\Drawings\19101E-WAS.dwg





**DDC ENGINEERS**  
Consulting Engineers, Surveyors, Planners, Landscape Architects & Environmentalists  
1298 Professional Dr., Myrtle Beach, SC 29577  
Phone: (843) 692-3200 Fax: (843) 692-3210

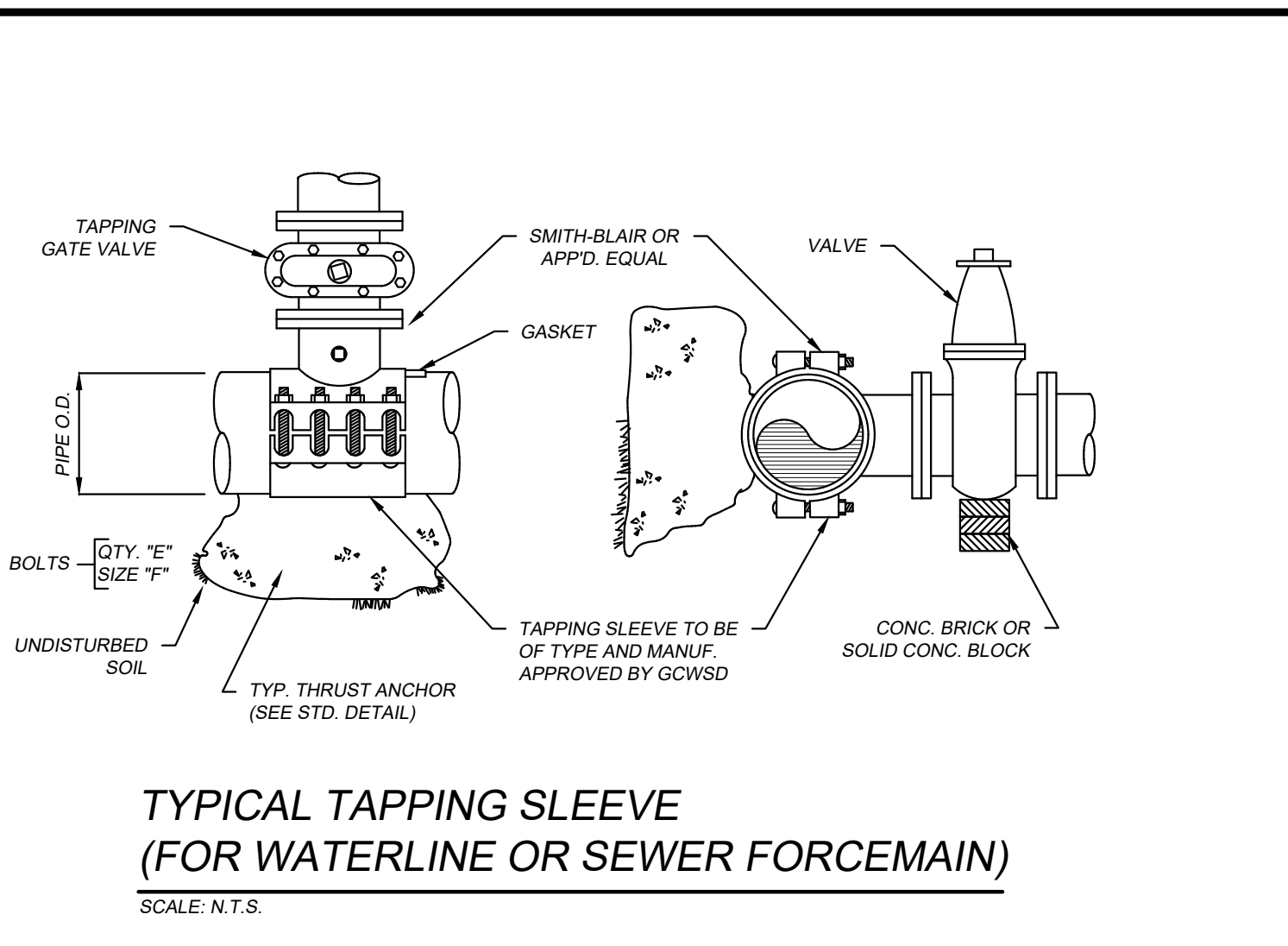
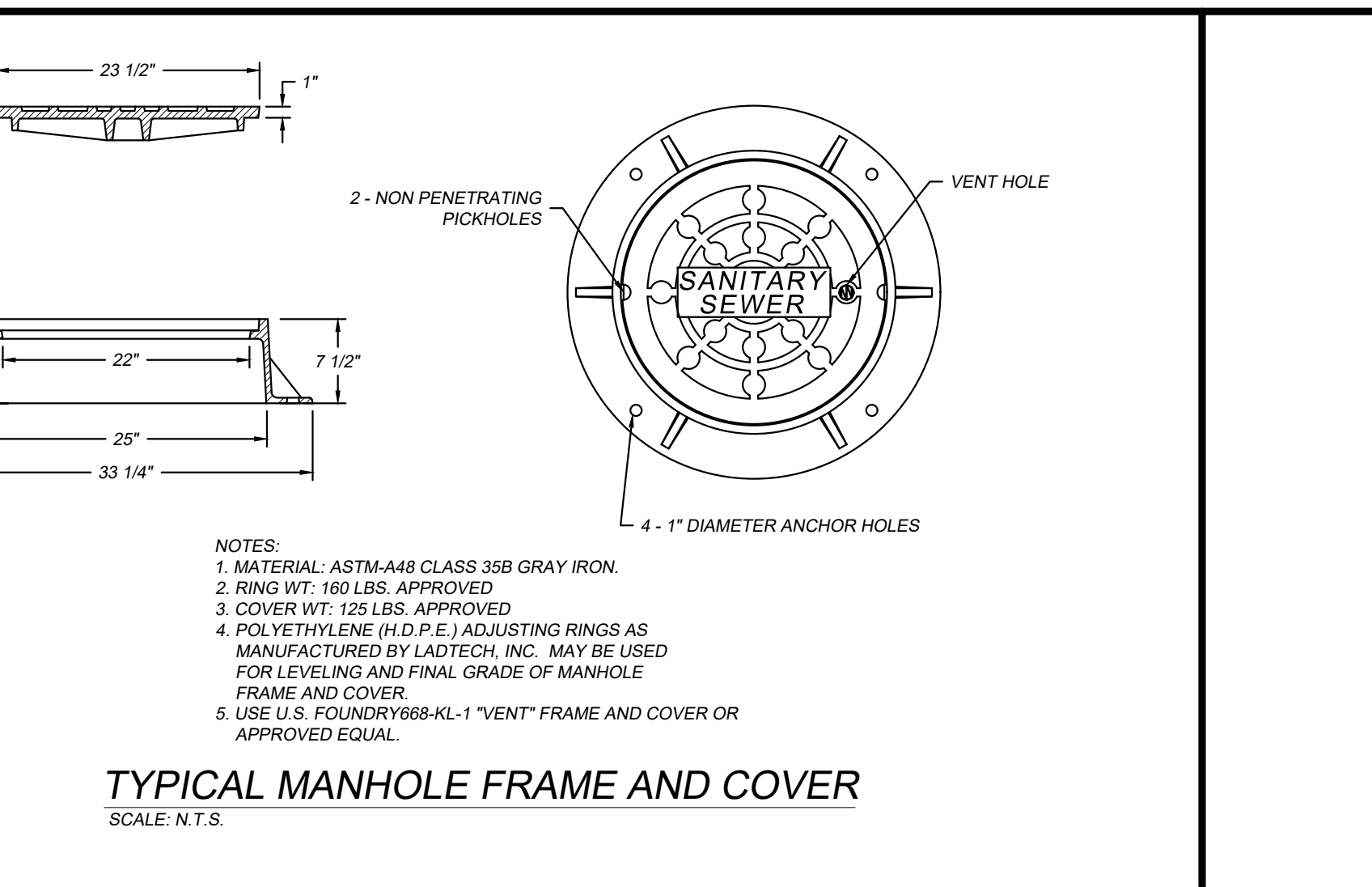
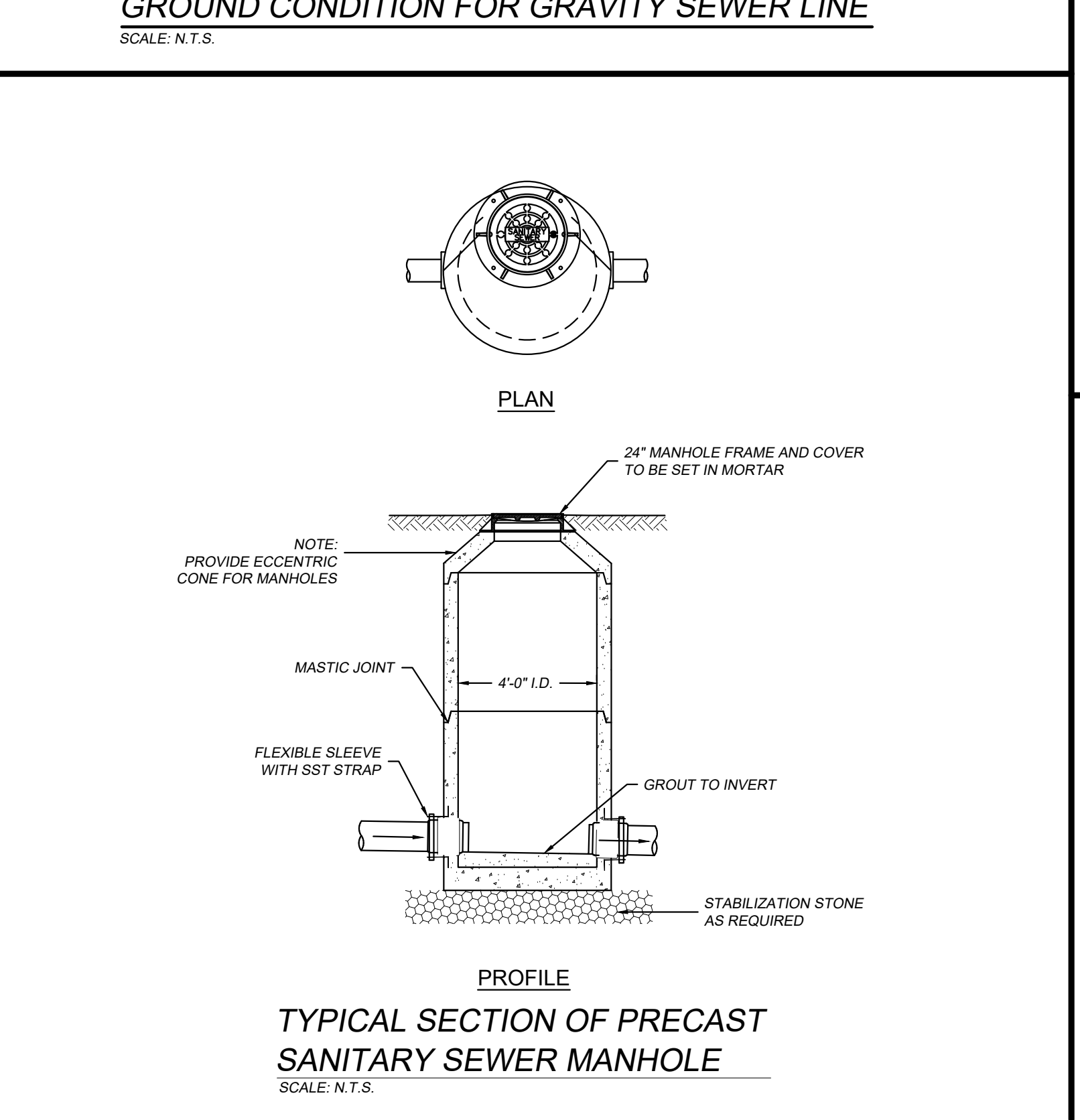
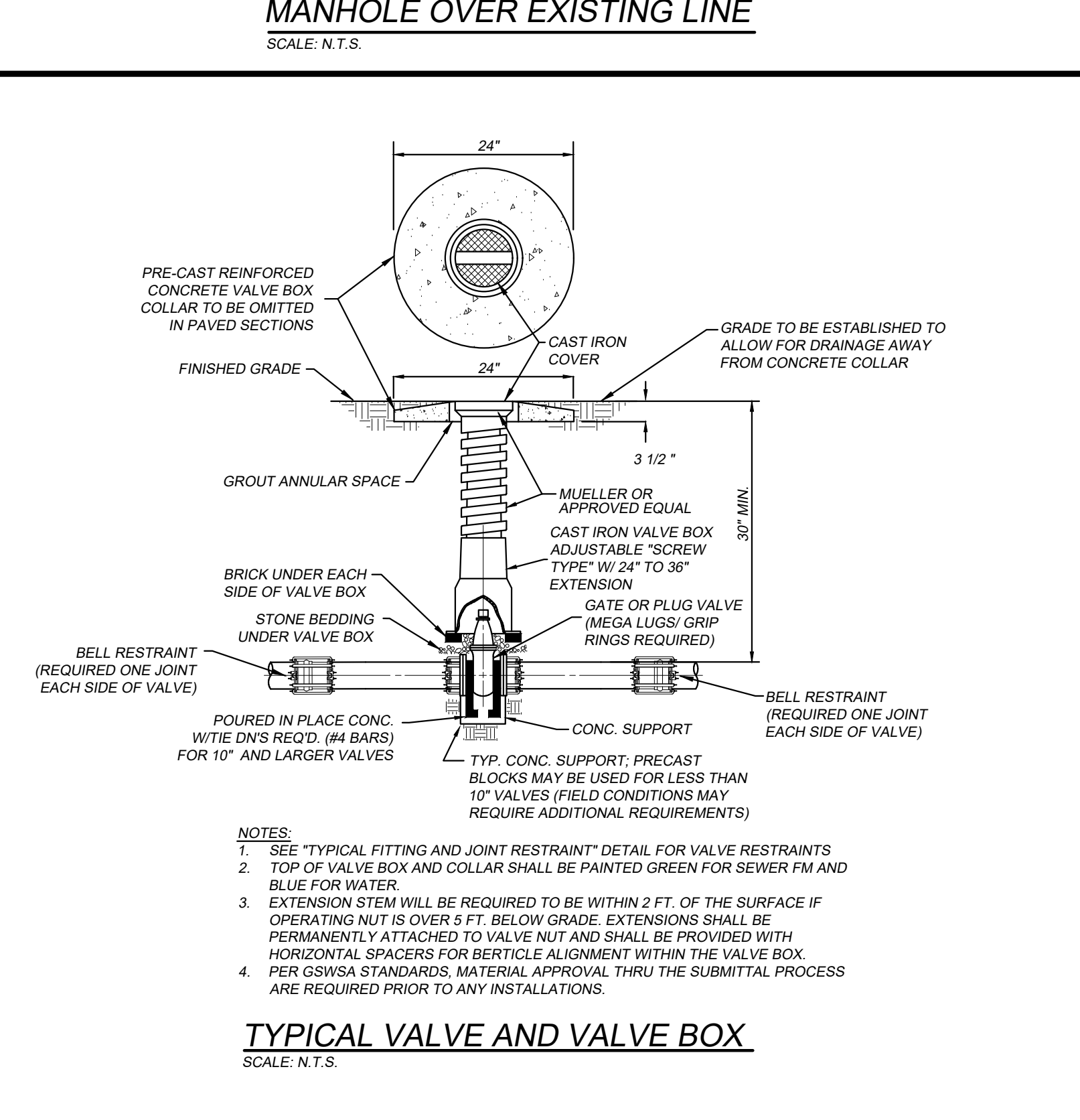
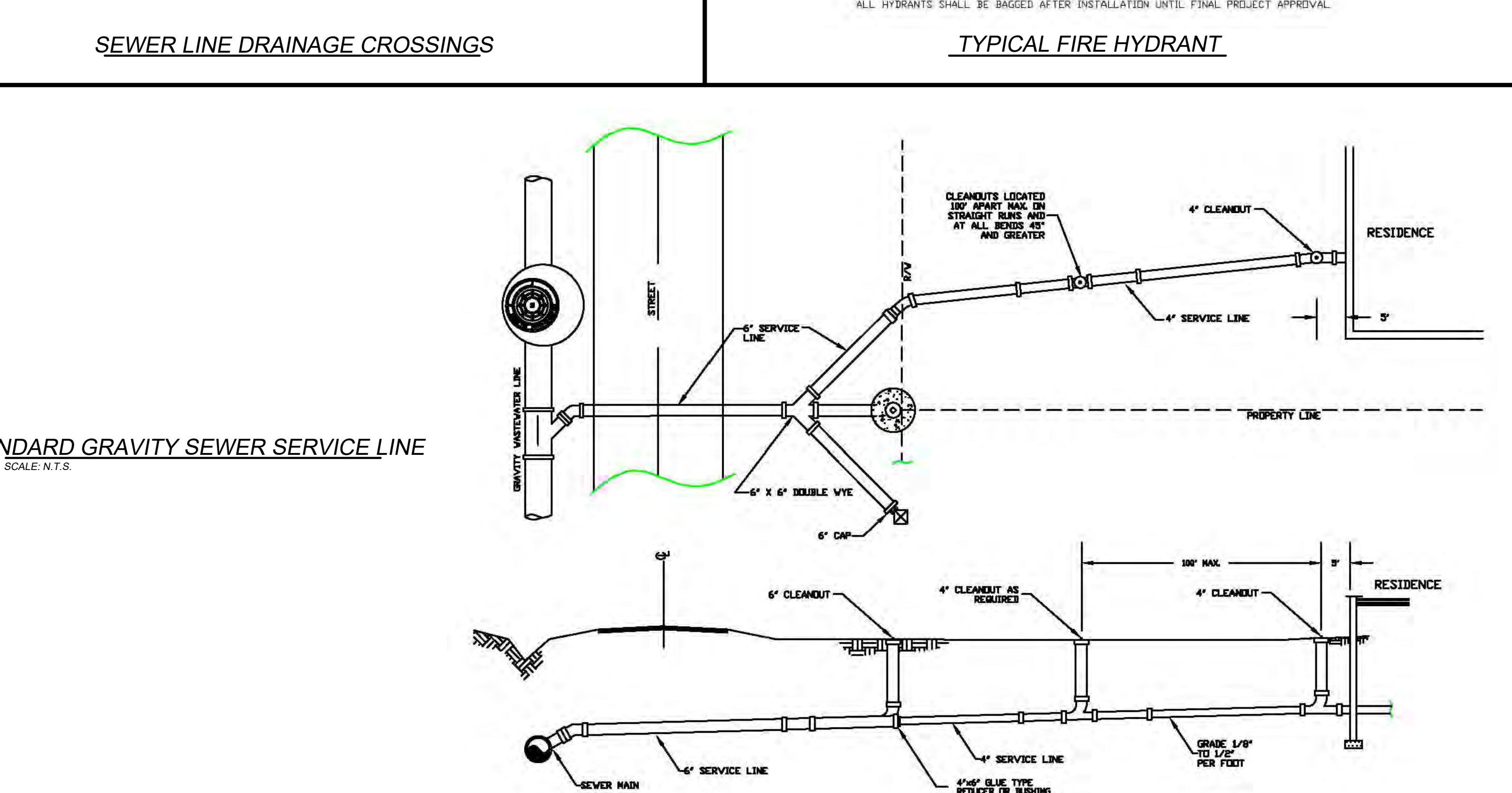
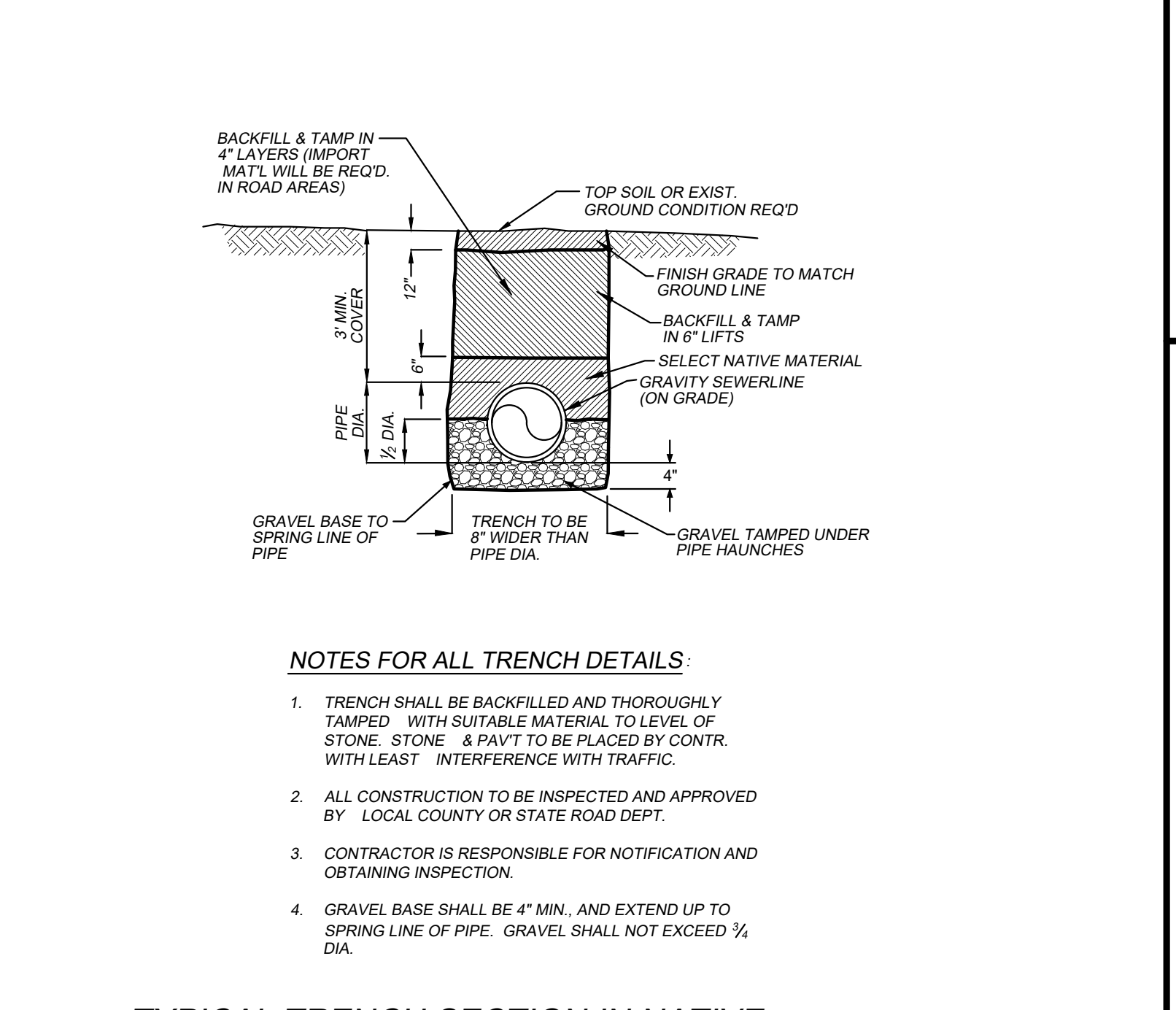
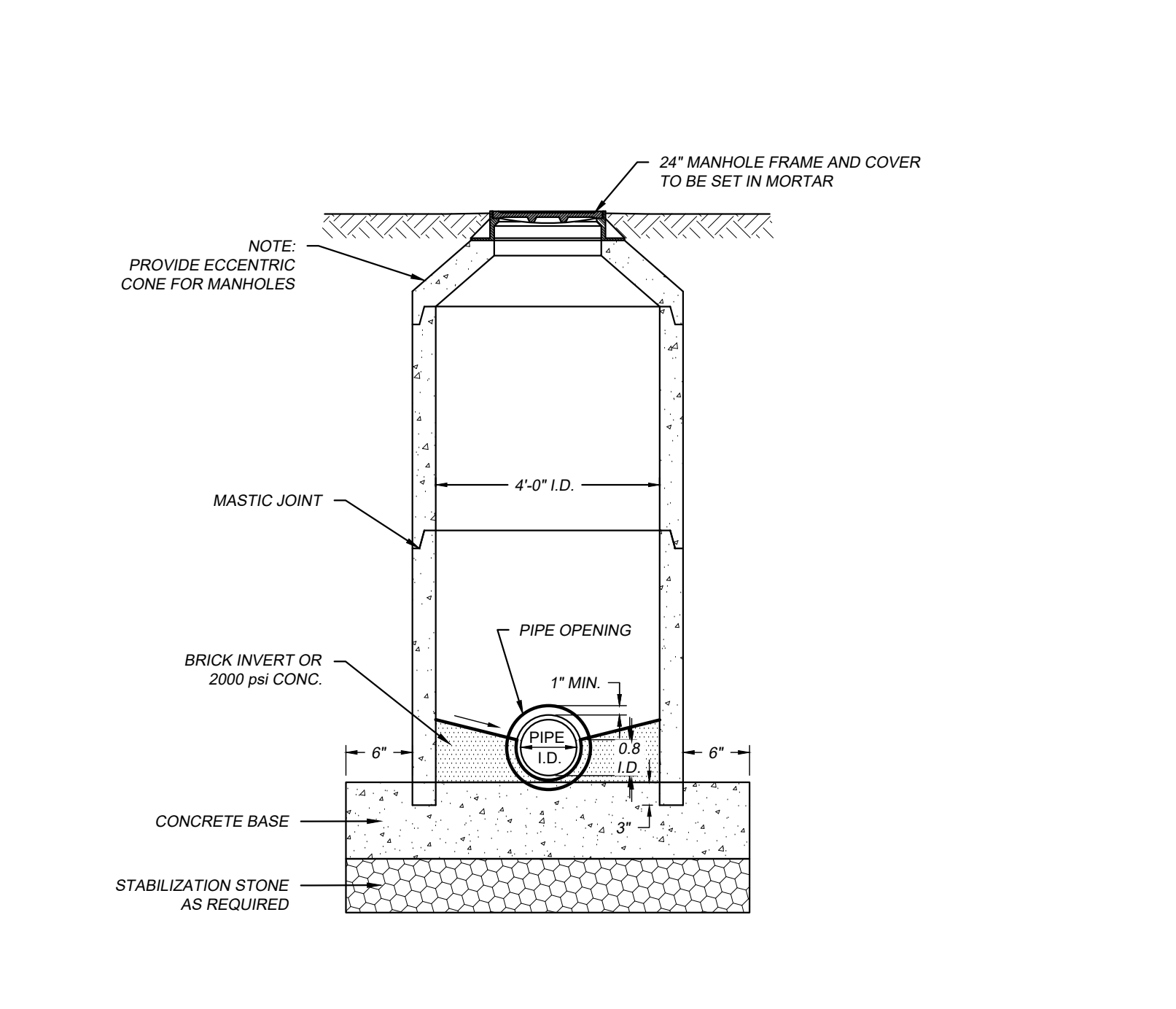
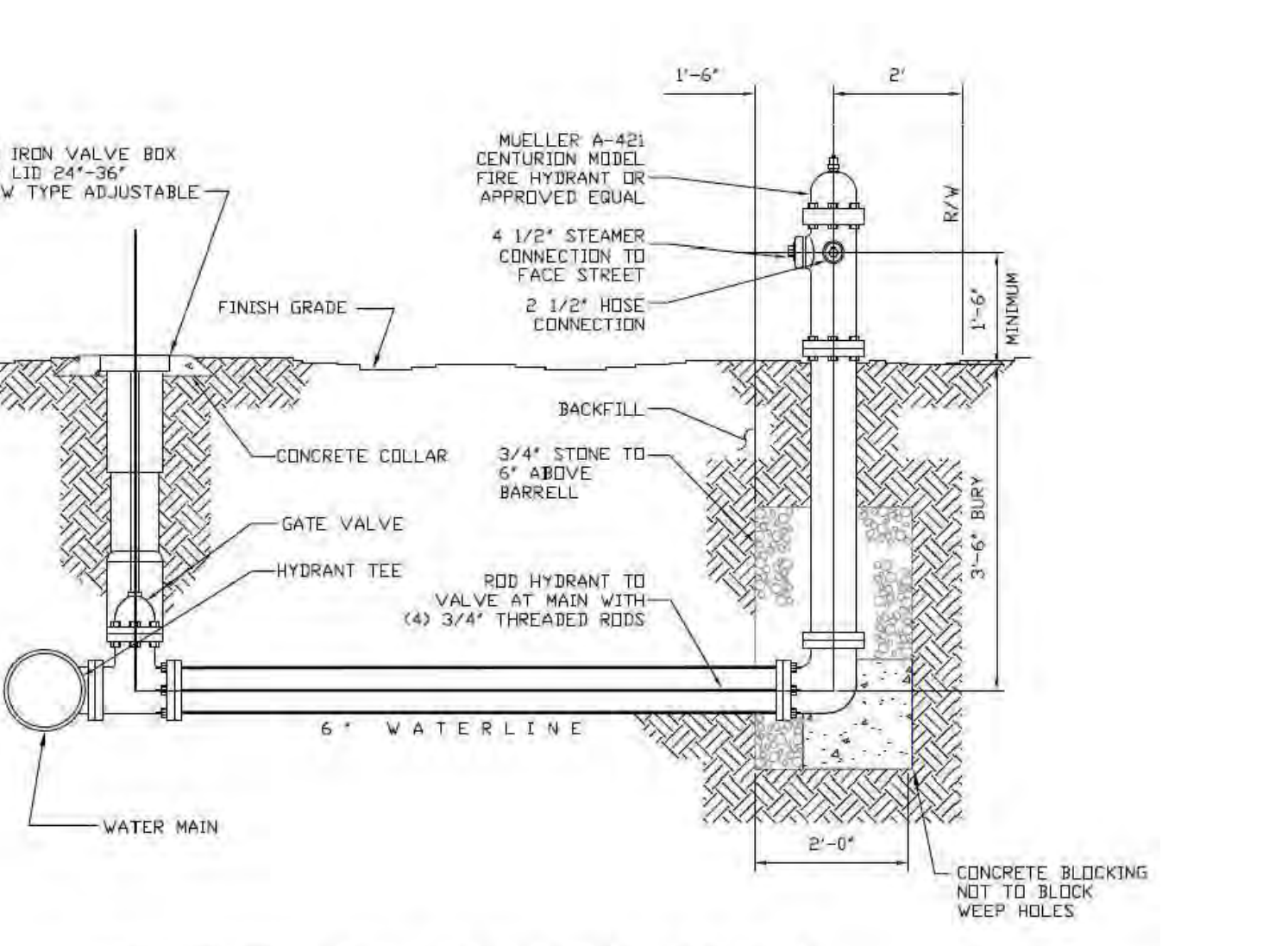
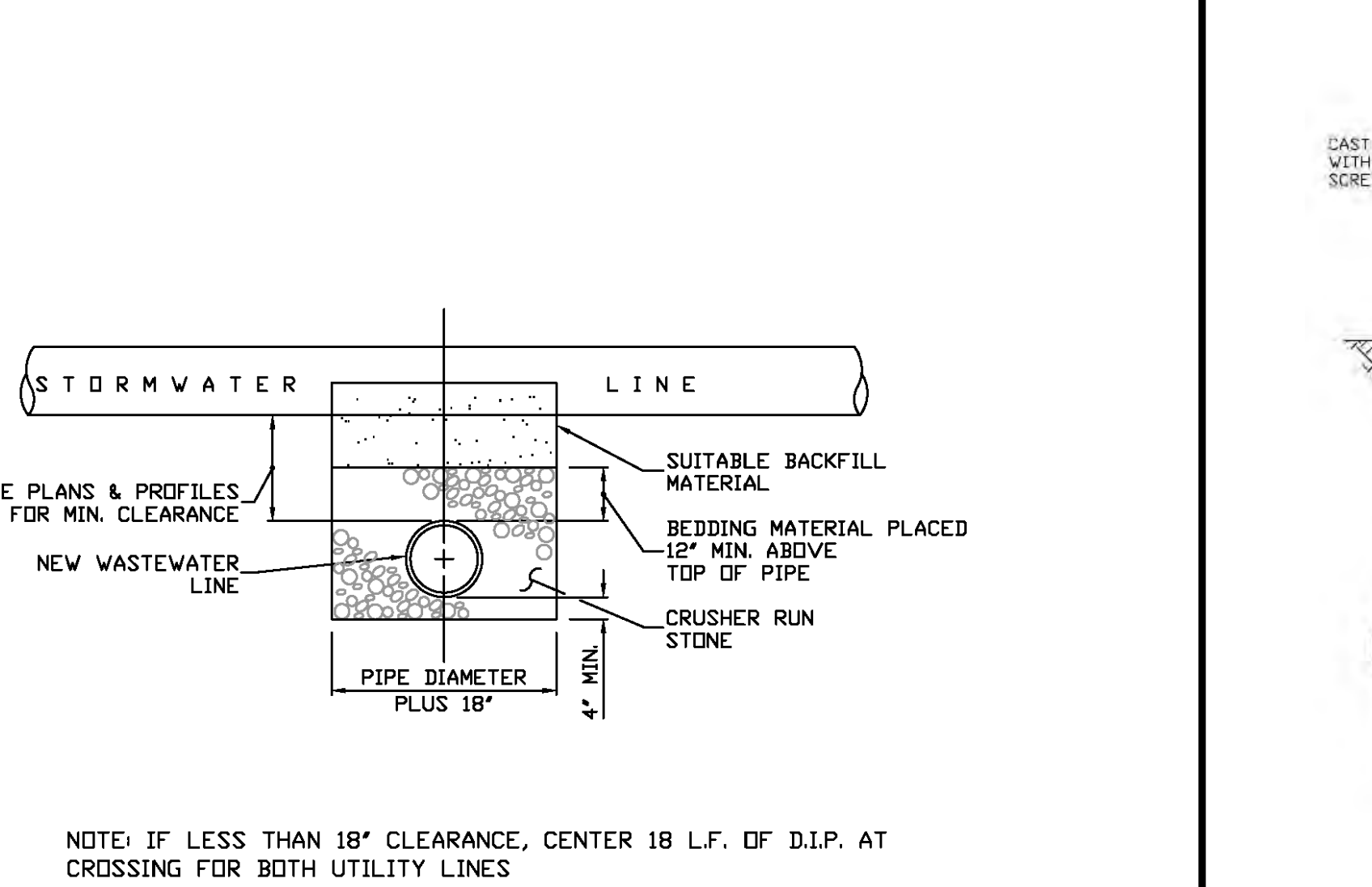
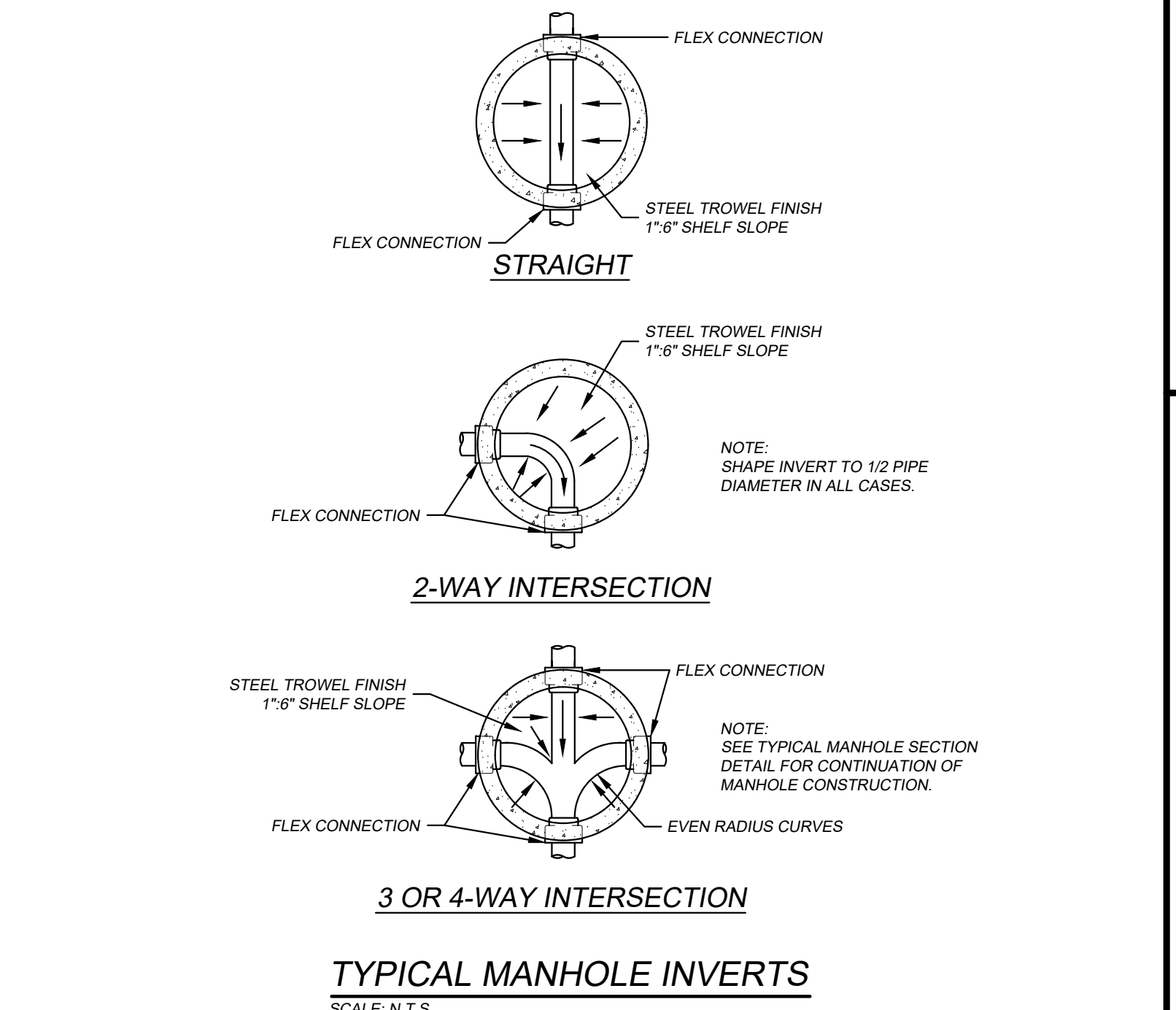
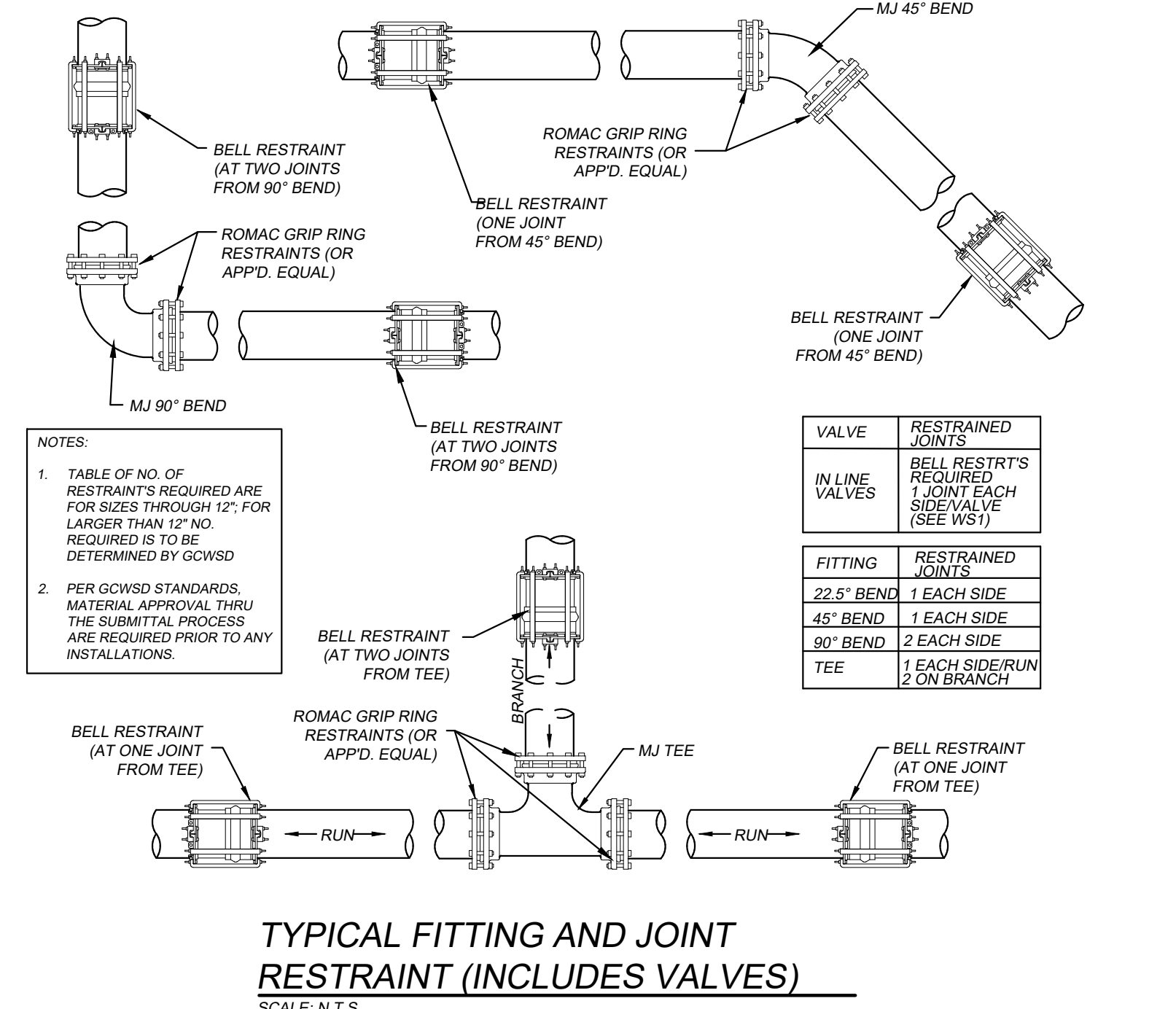
**SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER**  
No. 22814  
2/9/22  
ERIC K. SANFORD

**BOLTON & MENK SOUTH EAST, LLC**  
No. 6475  
CERTIFICATE OF AUTHORIZATION

**SGA NarmourWright DESIGN**

8263 Ocean Highway  
Pawleys Island, SC 29585  
p 843.237.3421  
www.sganwdesign.com

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**WAVELY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVELY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER: 19101E  
ISSUE DATE: 02/09/2022  
DRAWN BY: TAC  
CHECKED BY: EKS  
**Bid Set Revision Drawings**

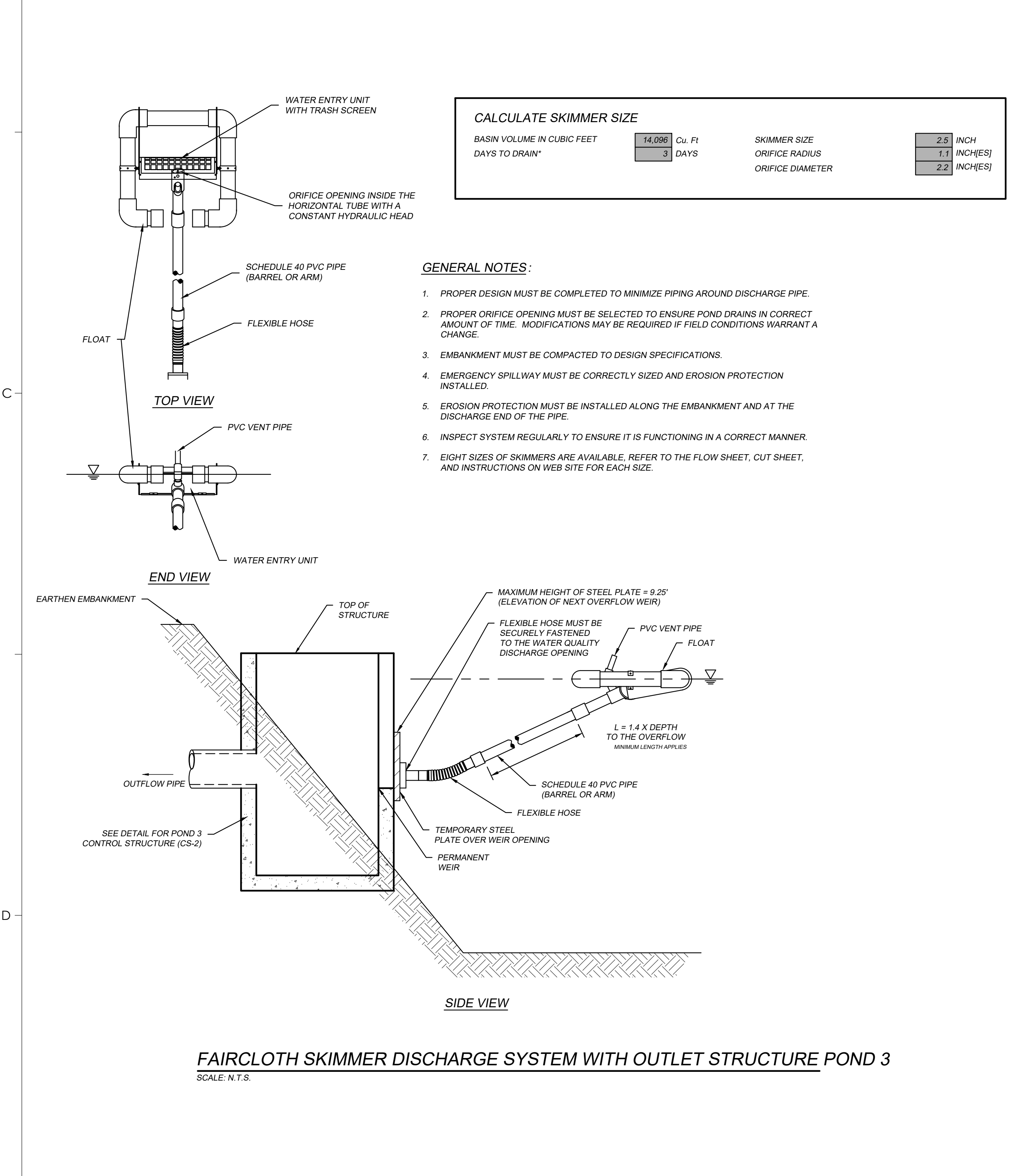
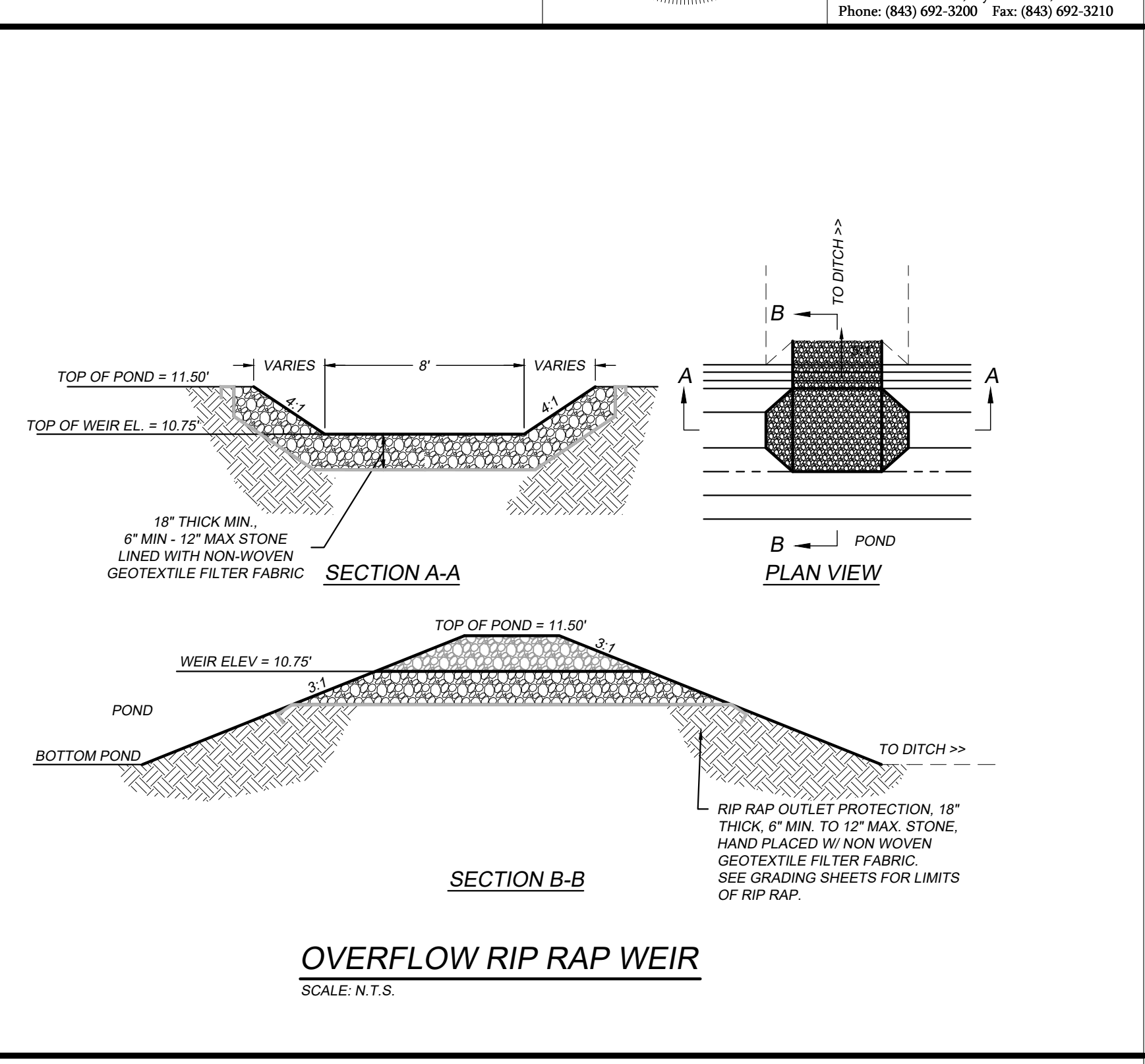
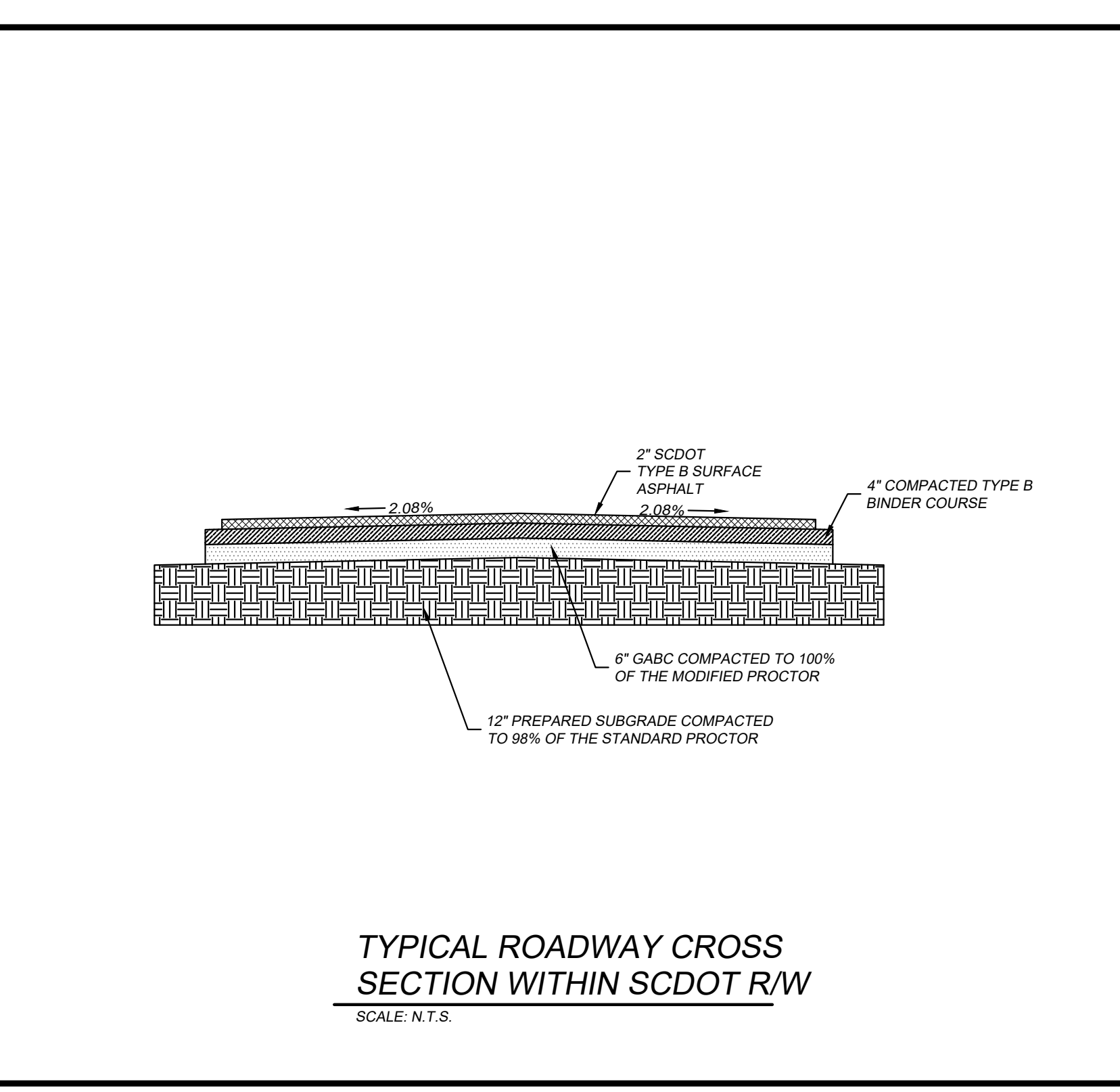
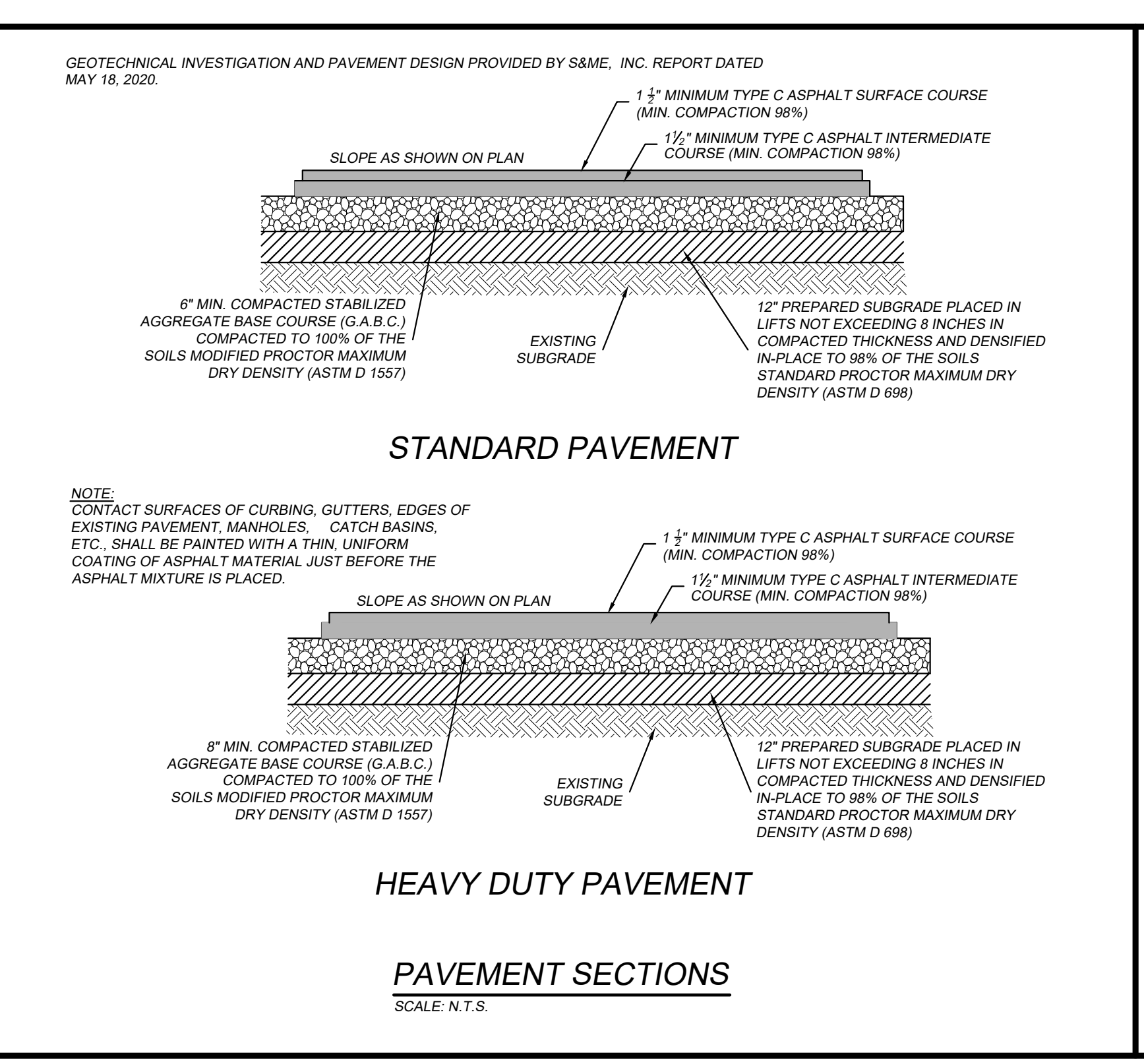
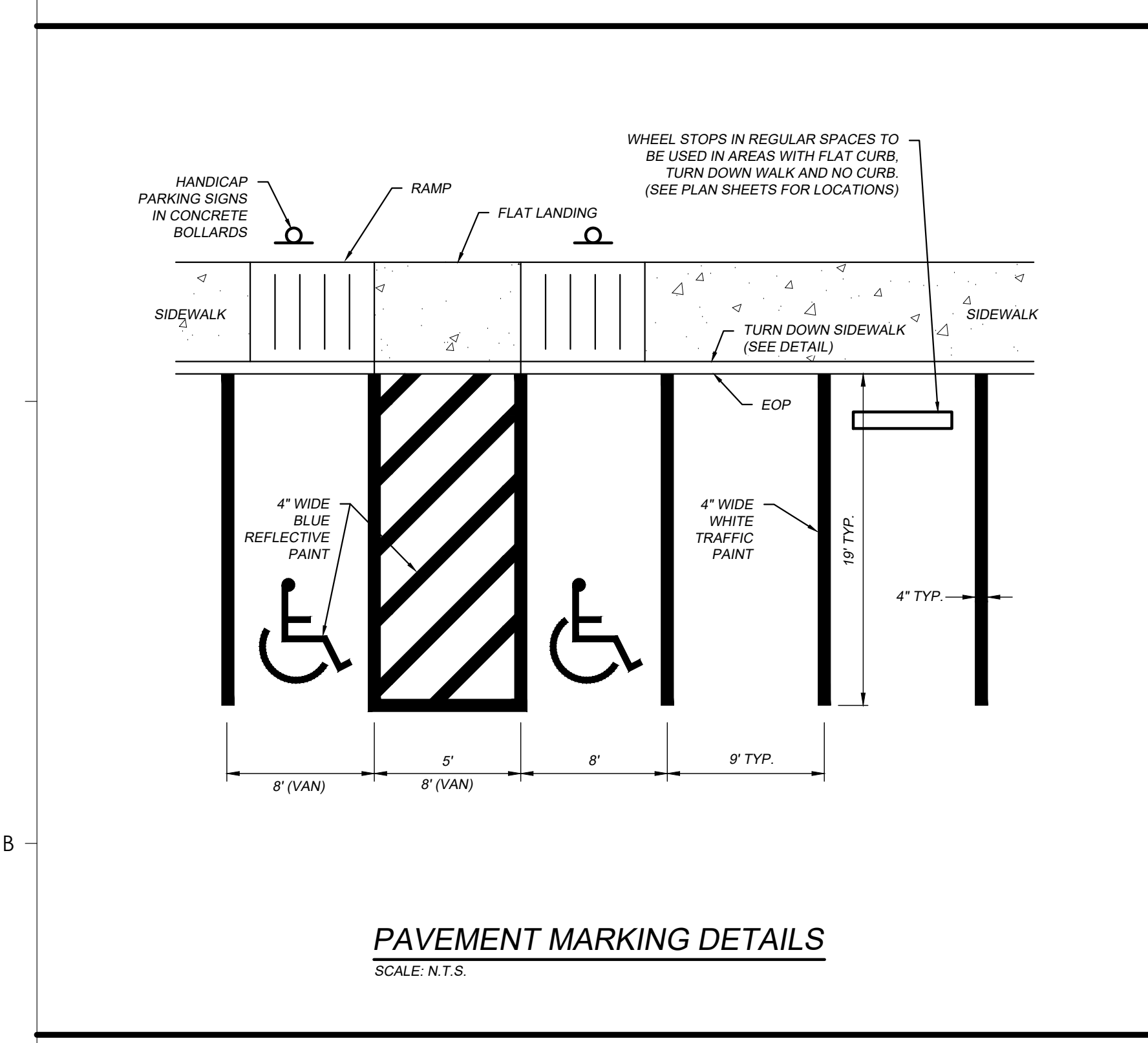
Revision Schedule		
#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
8	VALUE ENGINEERING	2-9-22

**WATER DISTRIBUTION AND SEWER DETAILS**

**C-402**



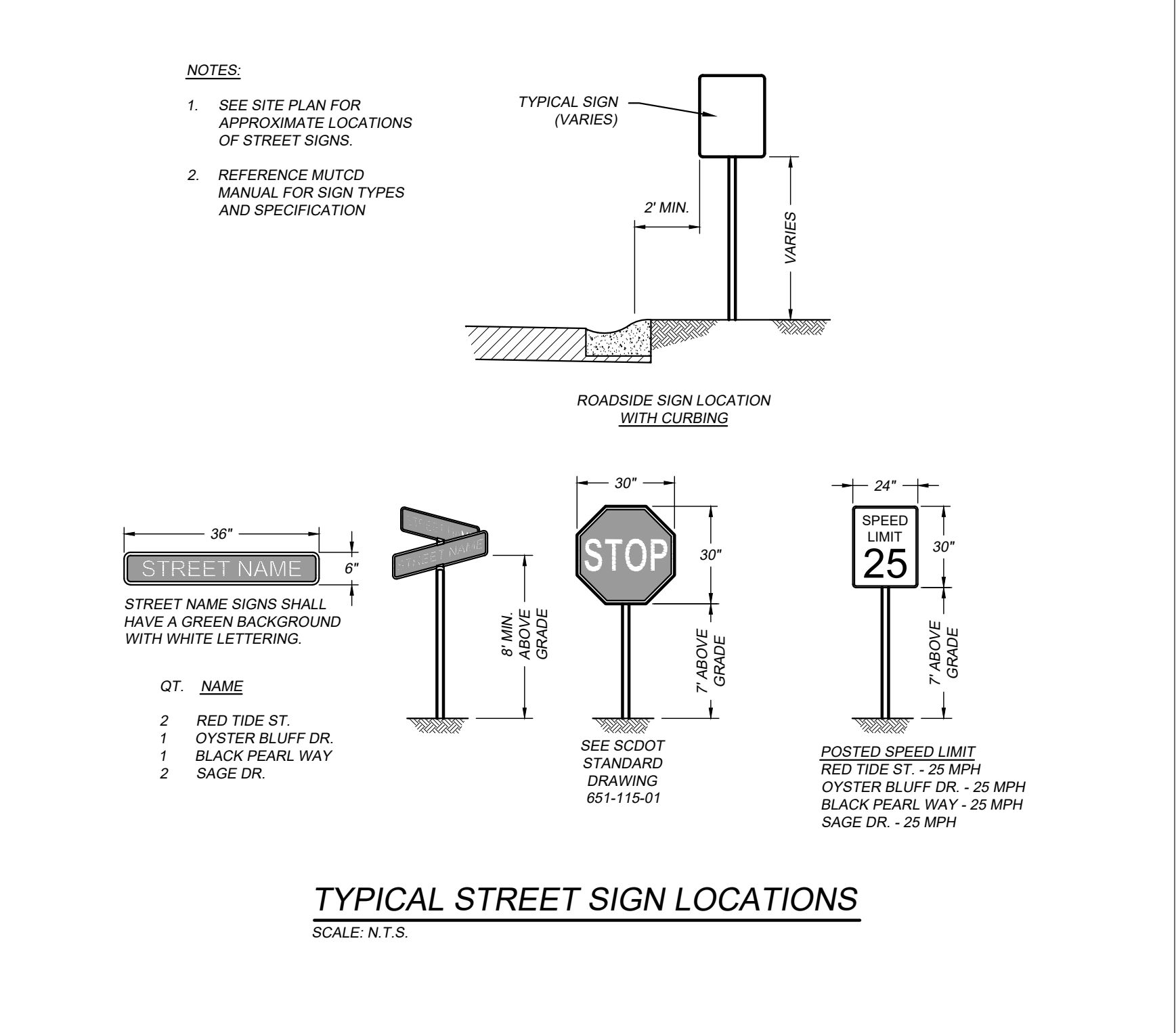
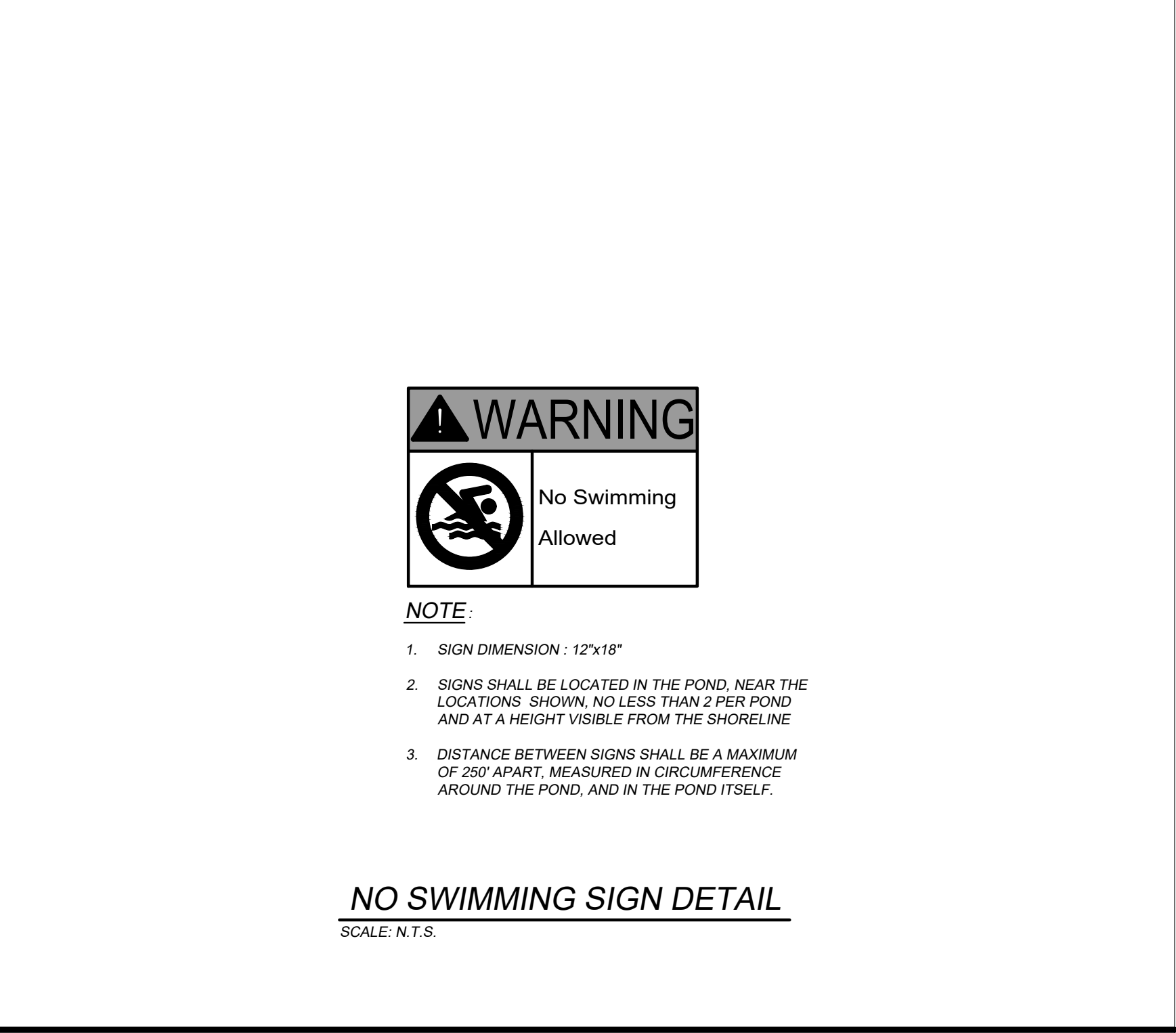
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**CALCULATE SKIMMER SIZE**

BASIN VOLUME IN CUBIC FEET	14,000	Cu. Ft.	SKIMMER SIZE	2.5	INCH
DAYS TO DRAIN*	3	DAYS	ORIFICE RADIUS	1.1	INCH[ES]
			ORIFICE DIAMETER	2.2	INCH[ES]

- GENERAL NOTES:**
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
  2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
  3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
  4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
  5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
  6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
  7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE. REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

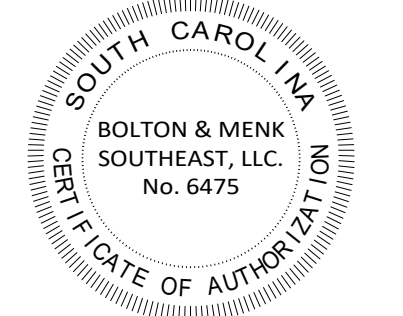
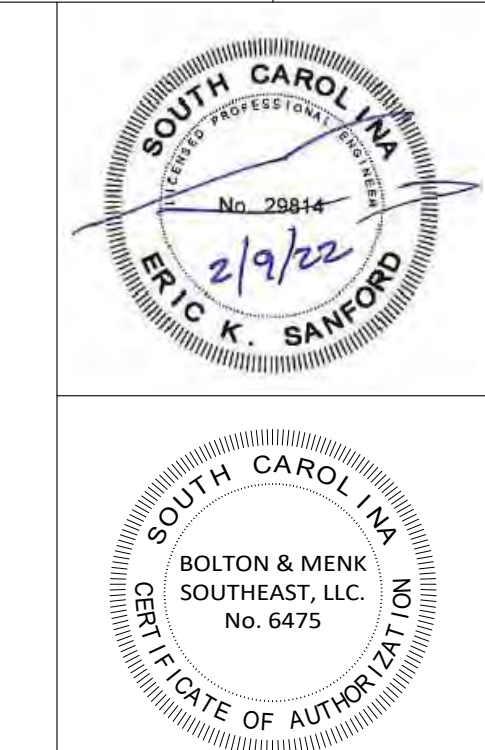


**WAVERLY PARK**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

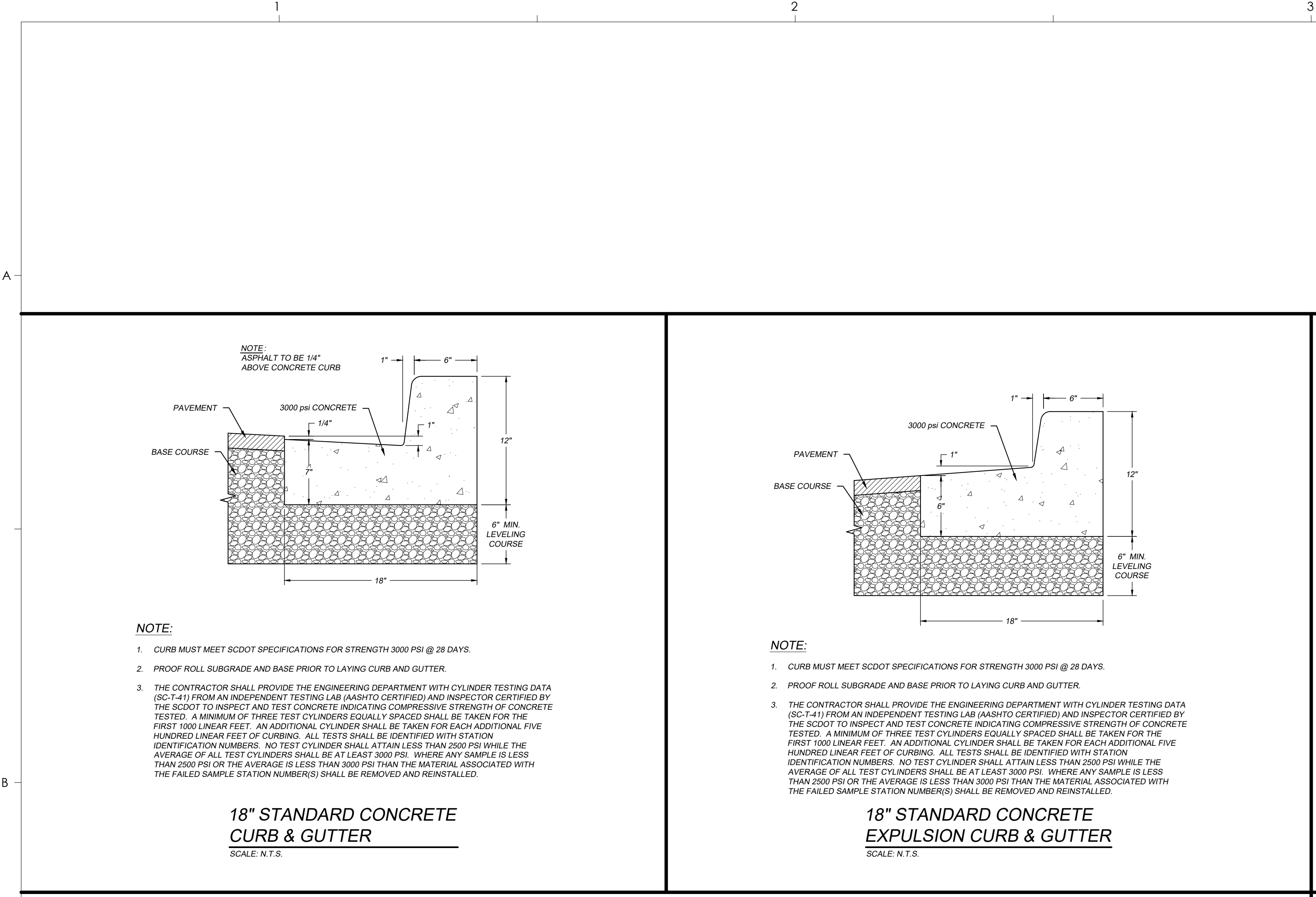
PROJECT NUMBER: 19101E  
 ISSUE DATE: 02/09/2022  
 DRAWN BY: TAC  
 CHECKED BY: EKS  
**Bid Set Revision Drawings**

**Revision Schedule**

#	Description	Date
1	SCDOT COMMENTS	1-20-21
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
5	GT. STORM COMMENTS	5-05-21
6	GT. STORM COMMENTS	7-30-21
8	VALUE ENGINEERING	2-9-22

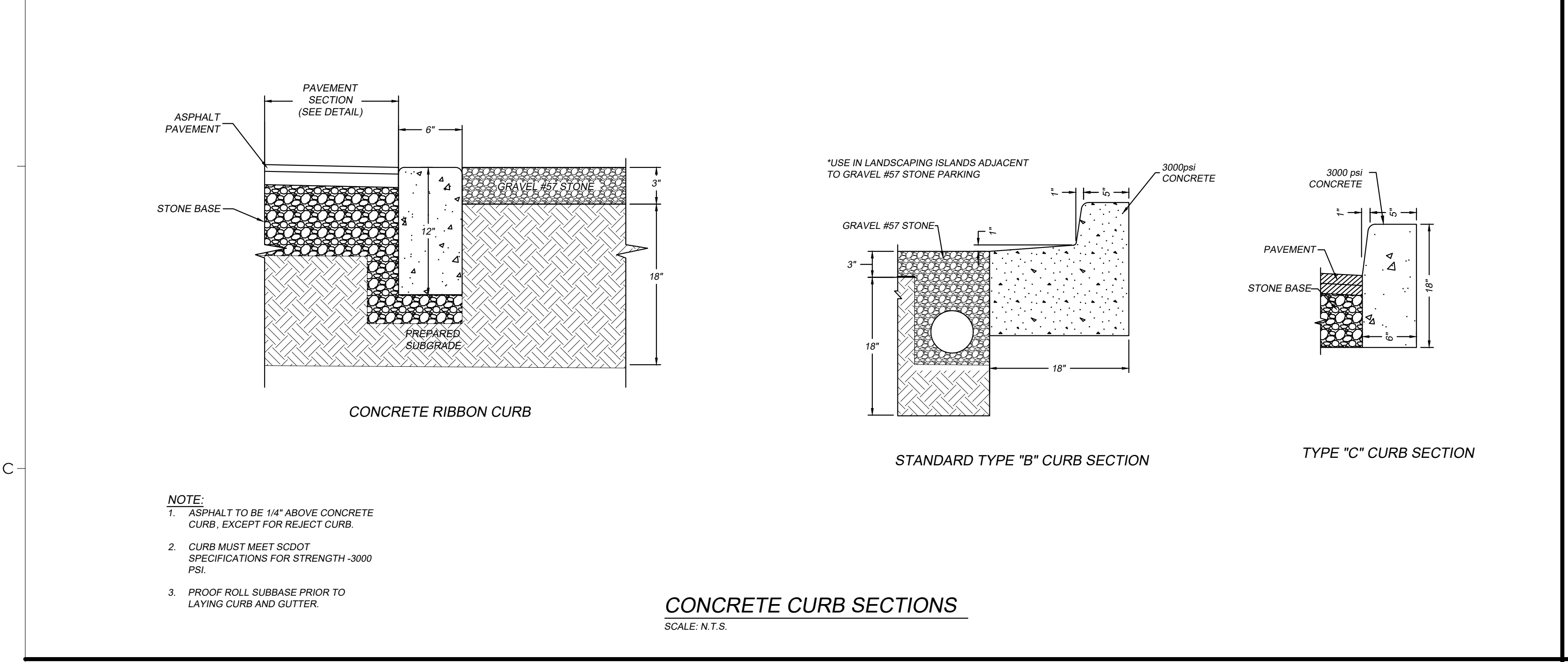


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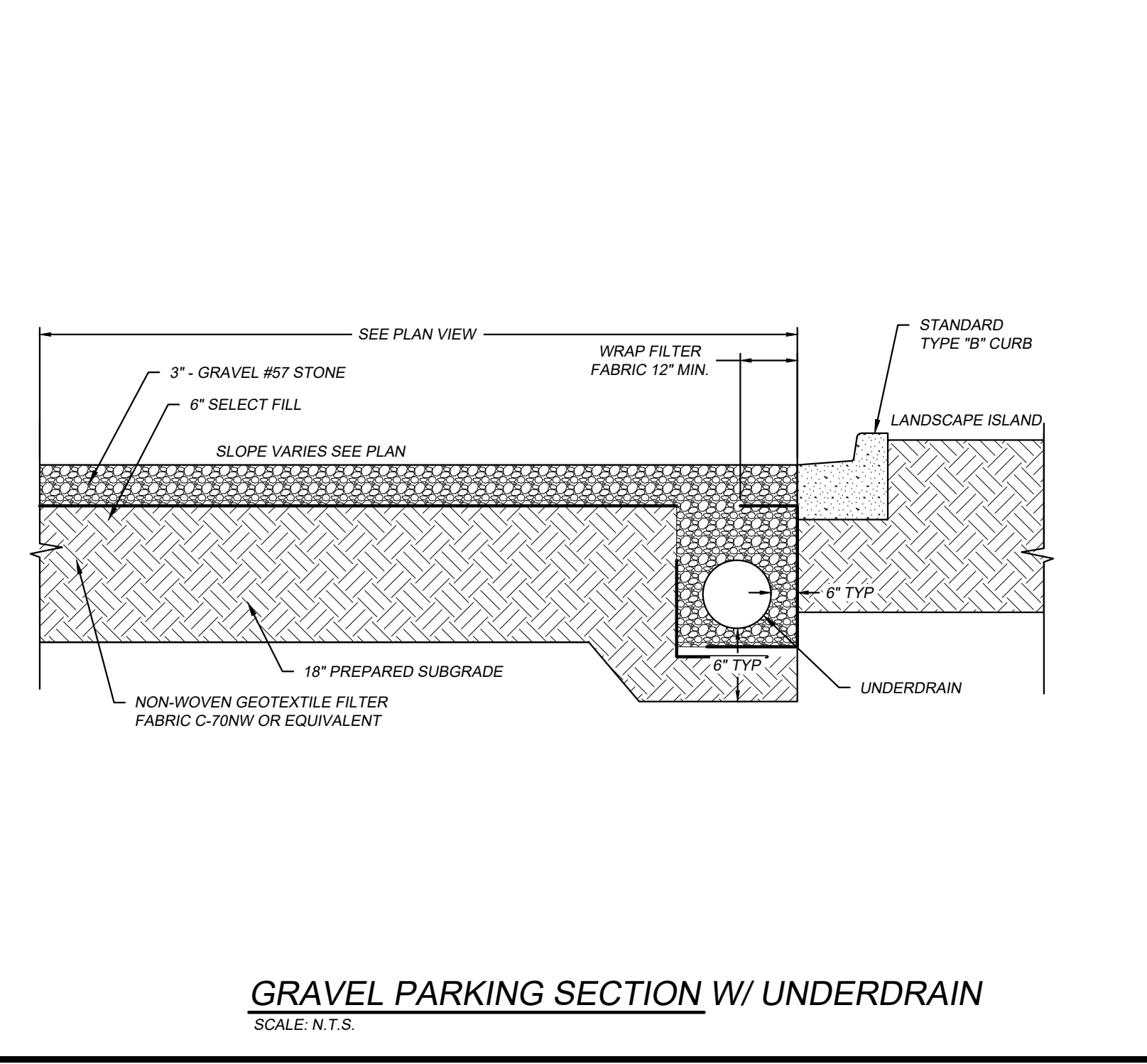


**18" STANDARD CONCRETE CURB & GUTTER**  
 SCALE: N.T.S.

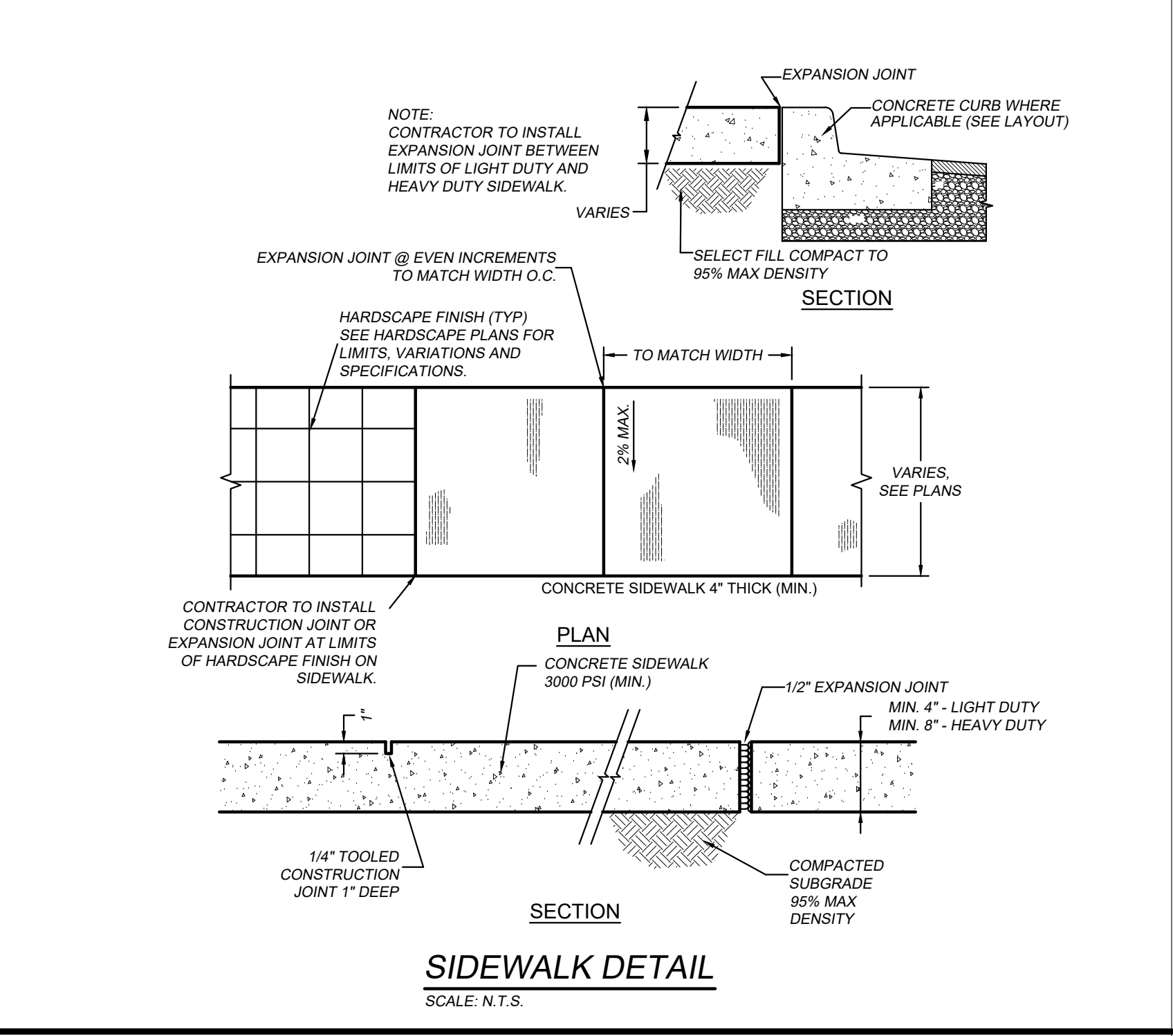
**18" STANDARD CONCRETE EXPULSION CURB & GUTTER**  
 SCALE: N.T.S.



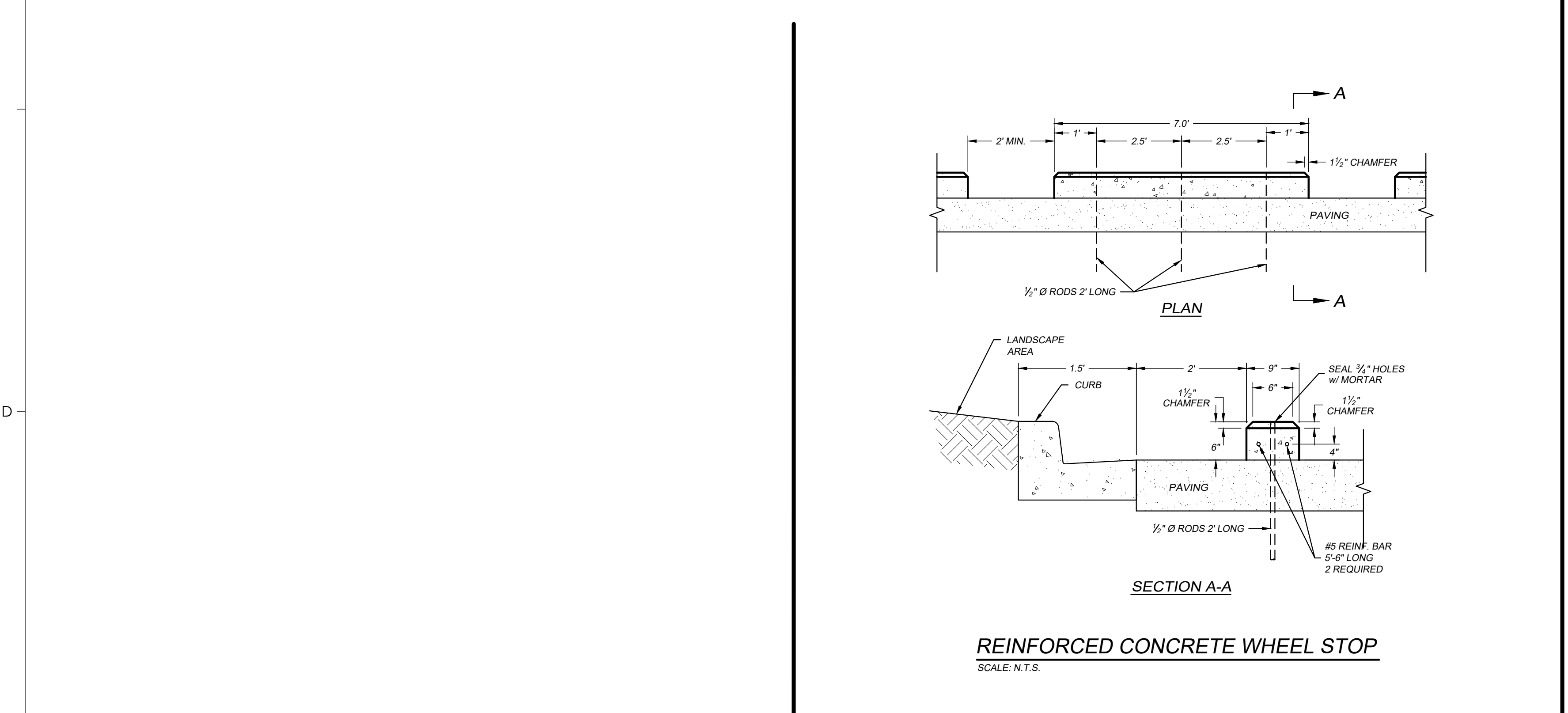
**CONCRETE CURB SECTIONS**  
 SCALE: N.T.S.



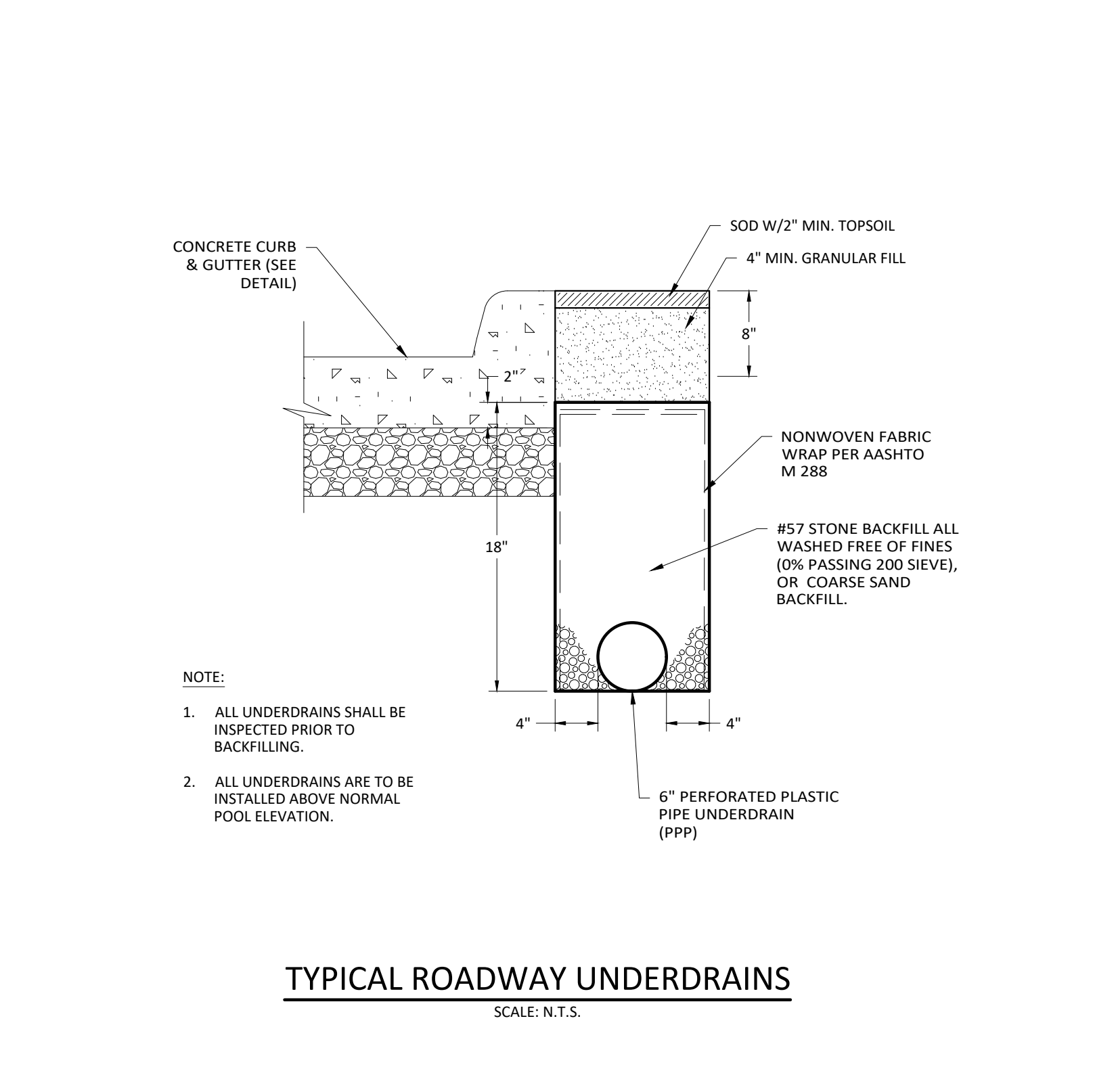
**GRAVEL PARKING SECTION W/ UNDERDRAIN**  
 SCALE: N.T.S.



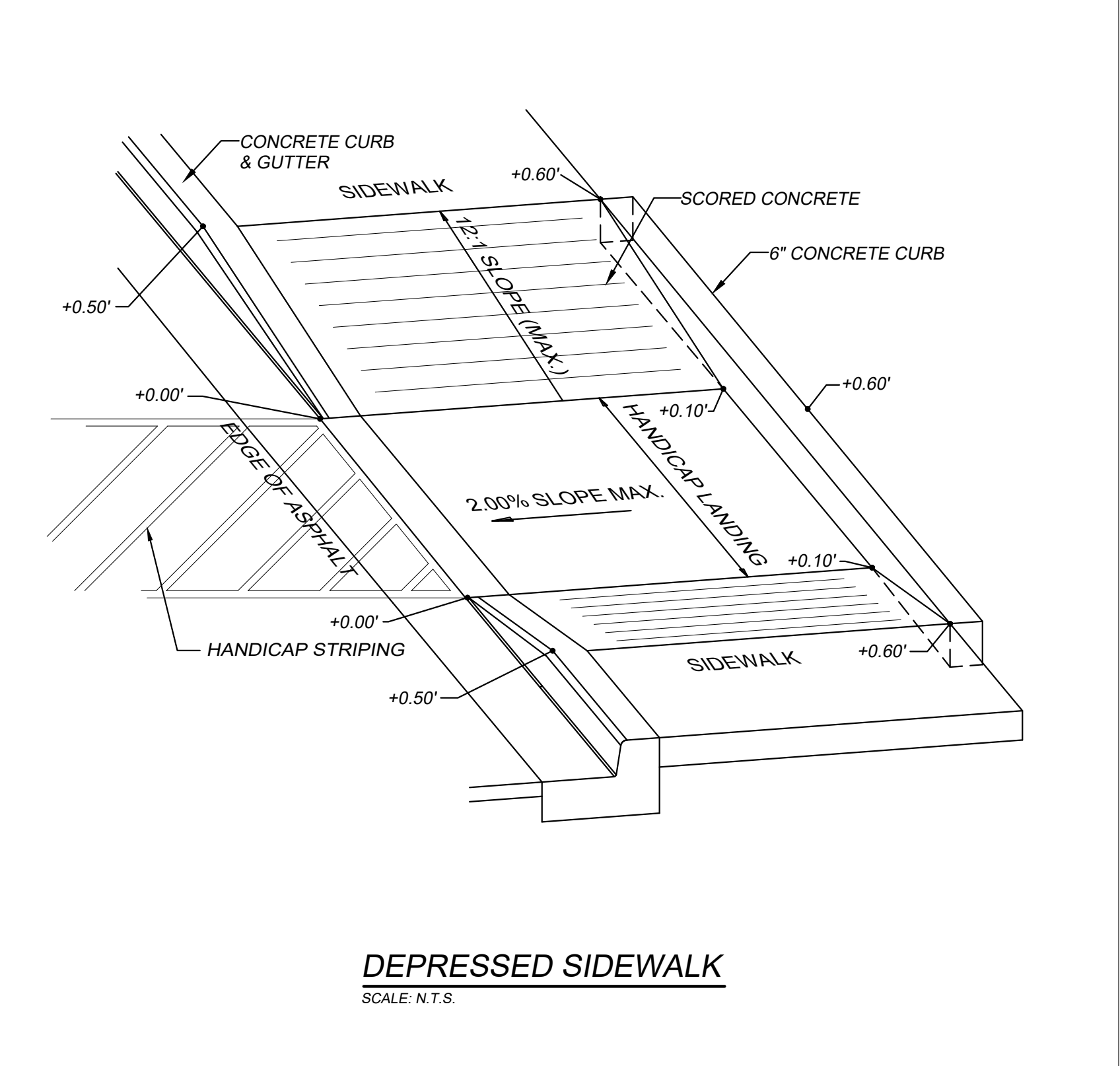
**SIDEWALK DETAIL**  
 SCALE: N.T.S.



**REINFORCED CONCRETE WHEEL STOP**  
 SCALE: N.T.S.



**TYPICAL ROADWAY UNDERDRAINS**  
 SCALE: N.T.S.



**DEPRESSED SIDEWALK**  
 SCALE: N.T.S.

**WAVERLY PARK**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER: 19101E  
 ISSUE DATE: 02/09/2022  
 DRAWN BY: TAC  
 CHECKED BY: EKS  
**Bid Set Revision Drawings**

Revision Schedule		
#	Description	Date
2	SCDHEC COMMENTS	2-04-21
4	GT. STORM COMMENTS	4-14-21
8	VALUE ENGINEERING	2-9-22

**SITE DETAILS**

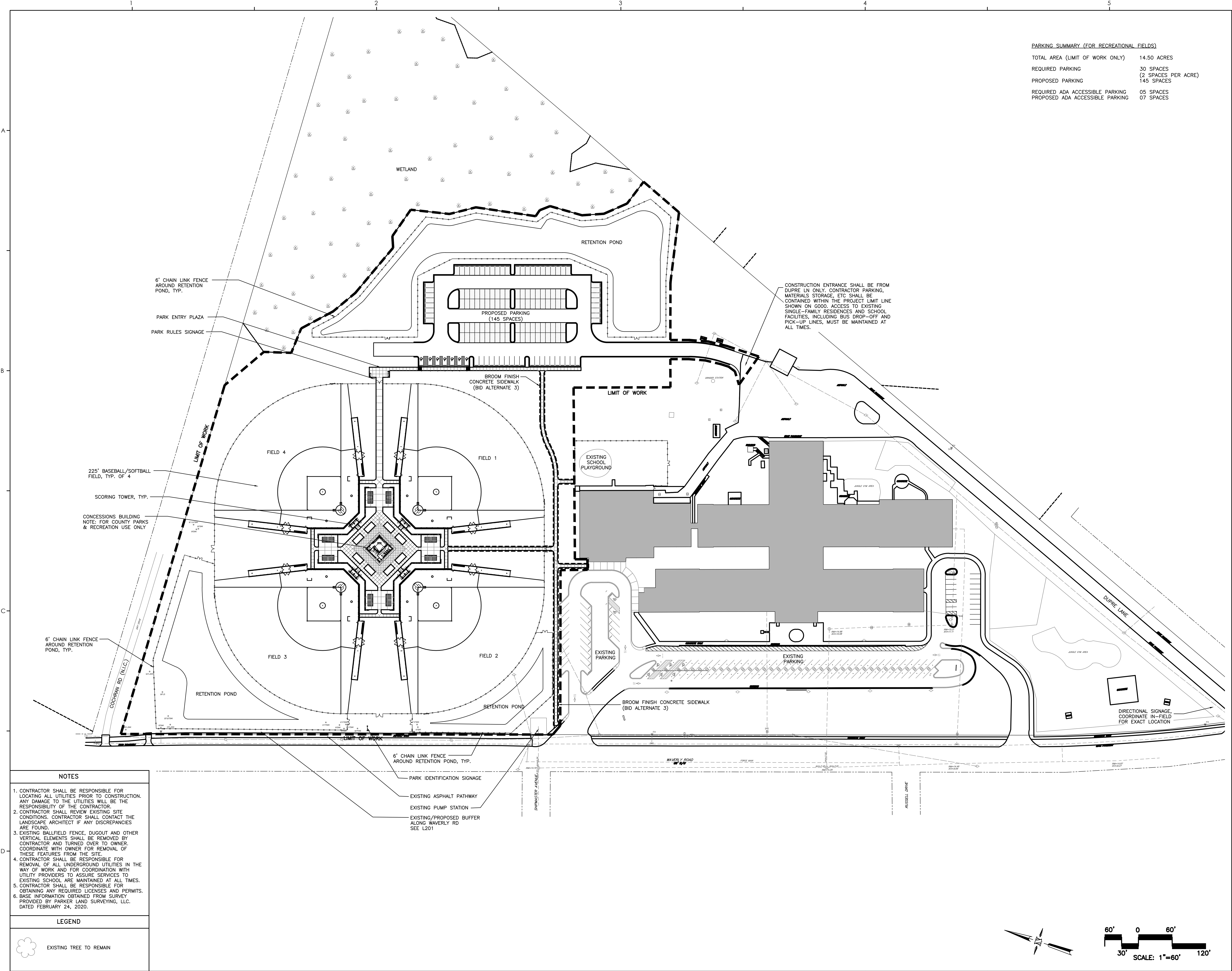
**C-502**

I:\pawley\2019101e - waccamaw elementary school\Waccamaw Elementary Drawings\19101E-CSET.dwg



PARKING SUMMARY (FOR RECREATIONAL FIELDS)

TOTAL AREA (LIMIT OF WORK ONLY)	14.50 ACRES
REQUIRED PARKING	30 SPACES (2 SPACES PER ACRE)
PROPOSED PARKING	145 SPACES
REQUIRED ADA ACCESSIBLE PARKING	05 SPACES
PROPOSED ADA ACCESSIBLE PARKING	07 SPACES



CONSTRUCTION ENTRANCE SHALL BE FROM DUPRE LN ONLY. CONTRACTOR PARKING, MATERIALS STORAGE, ETC SHALL BE CONTAINED WITHIN THE PROJECT LIMIT LINE SHOWN ON GOOD. ACCESS TO EXISTING SINGLE-FAMILY RESIDENCES AND SCHOOL FACILITIES, INCLUDING BUS DROP-OFF AND PICK-UP LINES, MUST BE MAINTAINED AT ALL TIMES.

6" CHAIN LINK FENCE AROUND RETENTION POND, TYP.

PARK ENTRY PLAZA  
PARK RULES SIGNAGE

PROPOSED PARKING  
(145 SPACES)

BROOM FINISH CONCRETE SIDEWALK  
(BID ALTERNATE 3)

LIMIT OF WORK

EXISTING SCHOOL PLAYGROUND

FIELD 4

FIELD 1

FIELD 3

FIELD 2

RETENTION POND

RETENTION POND

BROOM FINISH CONCRETE SIDEWALK  
(BID ALTERNATE 3)

DIRECTIONAL SIGNAGE, COORDINATE IN-FIELD FOR EXACT LOCATION

6" CHAIN LINK FENCE AROUND RETENTION POND, TYP.

PARK IDENTIFICATION SIGNAGE

EXISTING ASPHALT PATHWAY

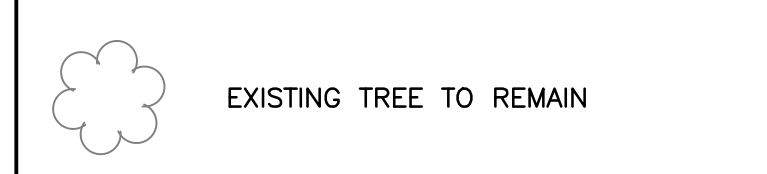
EXISTING PUMP STATION

EXISTING/PROPOSED BUFFER ALONG WAVERLY RD SEE L201

NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO THE UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR SHALL REVIEW EXISTING SITE CONDITIONS. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT IF ANY DISCREPANCIES ARE FOUND.
3. EXISTING BALLFIELD FENCE, DUGOUT AND OTHER VERTICAL ELEMENTS SHALL BE REMOVED BY CONTRACTOR AND TURNED OVER TO OWNER. COORDINATE WITH OWNER FOR REMOVAL OF THESE FEATURES FROM THE SITE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL UNDERGROUND UTILITIES IN THE WAY OF WORK AND FOR COORDINATION WITH UTILITY PROVIDERS TO ASSURE SERVICES TO EXISTING SCHOOL ARE MAINTAINED AT ALL TIMES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED LICENSES AND PERMITS.
6. BASE INFORMATION OBTAINED FROM SURVEY PROVIDED BY PARKER LAND SURVEYING, LLC. DATED FEBRUARY 24, 2020.

LEGEND



**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

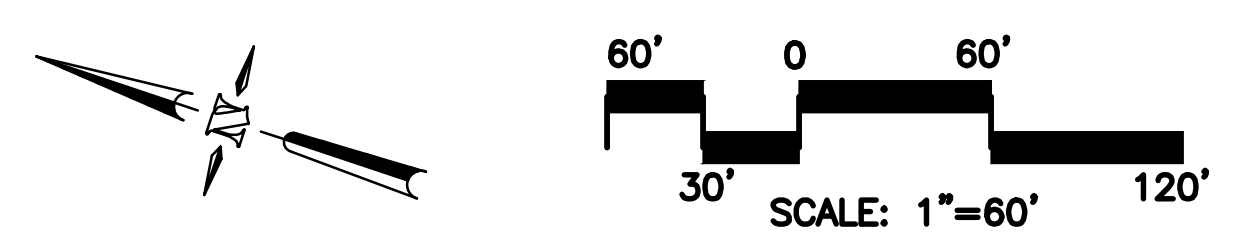
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19-004-04  
ISSUE DATE:  
2/19/2022  
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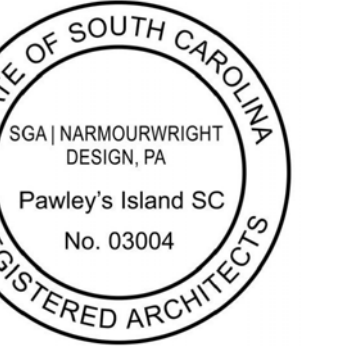
Bid Set Revision

Revision Schedule		
#	Description	Date

OVERALL SITE PLAN

**L100**





**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

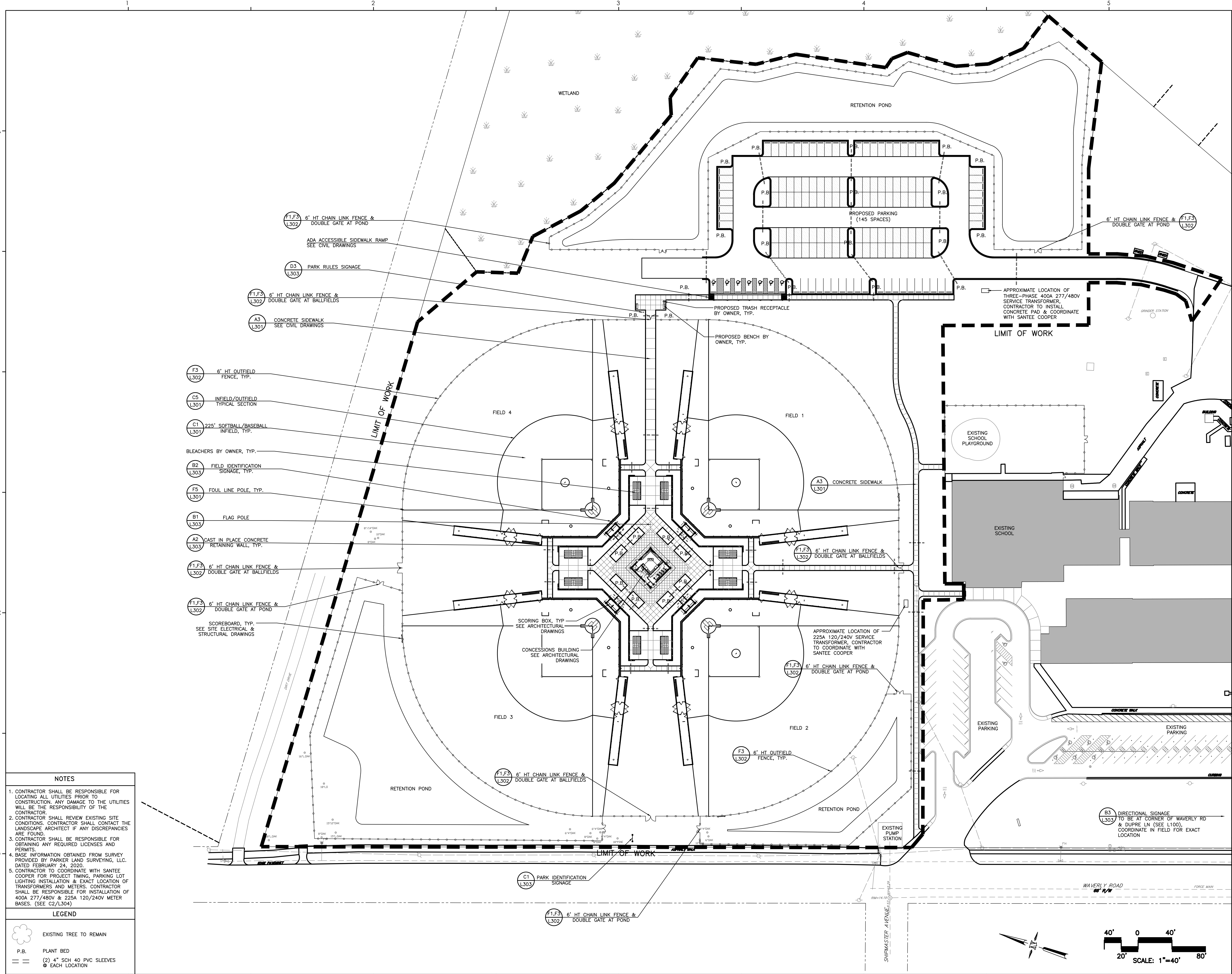
PROJECT NUMBER:  
19-004-04  
ISSUE DATE:  
2/19/2022  
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Revision Schedule		
#	Description	Date

KEY PLAN

**L101**



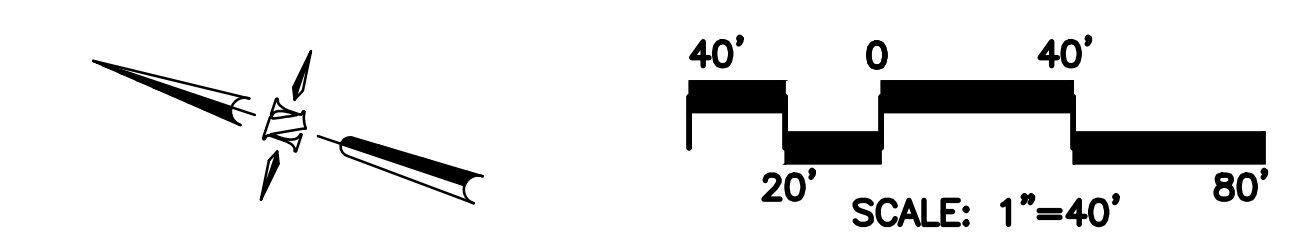
- (F1.F3 L302) 6' HT CHAIN LINK FENCE & DOUBLE GATE AT POND
- ADA ACCESSIBLE SIDEWALK RAMP SEE CIVIL DRAWINGS
- (D3 L303) PARK RULES SIGNAGE
- (F1.F3 L302) 6' HT CHAIN LINK FENCE & DOUBLE GATE AT BALLFIELDS
- (A3 L301) CONCRETE SIDEWALK SEE CIVIL DRAWINGS
- (F3 L302) 6' HT OUTFIELD FENCE, TYP.
- (C5 L301) INFIELD/OUTFIELD TYPICAL SECTION
- (C1 L301) 225' SOFTBALL/BASEBALL INFIELD, TYP.
- BLEACHERS BY OWNER, TYP.
- (B2 L303) FIELD IDENTIFICATION SIGNAGE, TYP.
- (F5 L301) FOUL LINE POLE, TYP.
- (B1 L303) FLAG POLE
- (A2 L303) CAST IN PLACE CONCRETE RETAINING WALL, TYP.
- (F1.F3 L302) 6' HT CHAIN LINK FENCE & DOUBLE GATE AT BALLFIELDS
- (F1.F3 L302) 6' HT CHAIN LINK FENCE & DOUBLE GATE AT POND
- SCOREBOARD, TYP. SEE SITE ELECTRICAL & STRUCTURAL DRAWINGS

**NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO THE UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL REVIEW EXISTING SITE CONDITIONS. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT IF ANY DISCREPANCIES ARE FOUND.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED LICENSES AND PERMITS.
- BASE INFORMATION OBTAINED FROM SURVEY PROVIDED BY PARKER LAND SURVEYING, LLC, DATED FEBRUARY 24, 2020.
- CONTRACTOR TO COORDINATE WITH SANTEE COOPER FOR PROJECT TIMING, PARKING LOT LIGHTING INSTALLATION & EXACT LOCATION OF TRANSFORMERS AND METERS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF 400A 277/480V & 225A 120/240V METER BASES. (SEE C2/L304)

**LEGEND**

- EXISTING TREE TO REMAIN
- P.B. PLANT BED
- == (2) 4" SCH 40 PVC SLEEVES EACH LOCATION





**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

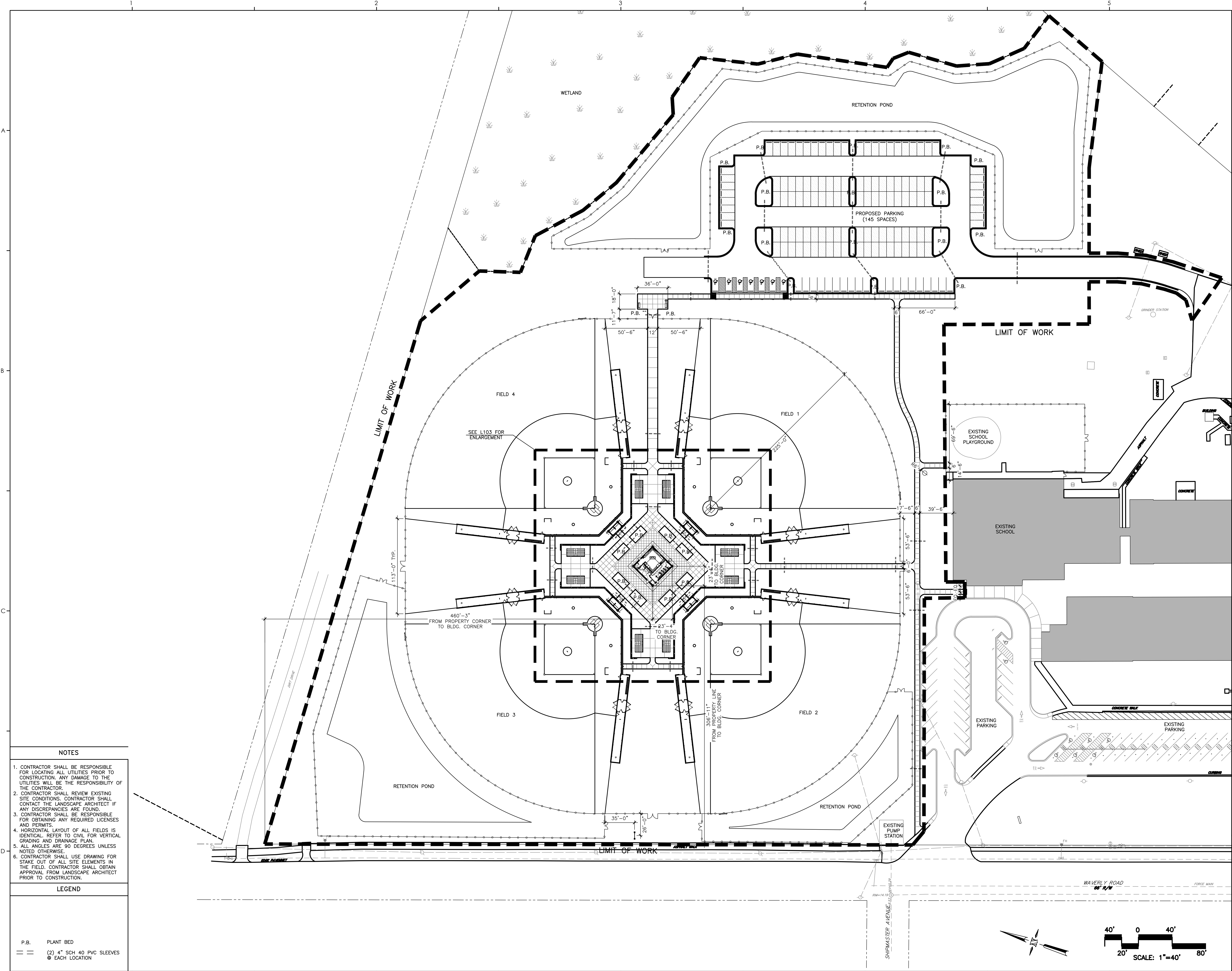
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Revision Schedule		
#	Description	Date

LAYOUT PLAN

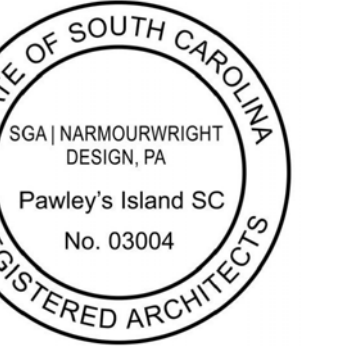
**L102**



- NOTES**
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  - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED LICENSES AND PERMITS.
  - HORIZONTAL LAYOUT OF ALL FIELDS IS IDENTICAL. REFER TO CIVIL FOR VERTICAL GRADING AND DRAINAGE PLAN.
  - ALL ANGLES ARE 90 DEGREES UNLESS NOTED OTHERWISE.
  - CONTRACTOR SHALL USE DRAWING FOR STAKE OUT OF ALL SITE ELEMENTS IN THE FIELD. CONTRACTOR SHALL OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

- LEGEND**
- P.B. PLANT BED
  - == (2) 4" SCH 40 PVC SLEEVES @ EACH LOCATION

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**WAVERLY PARK**  
 AT  
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 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

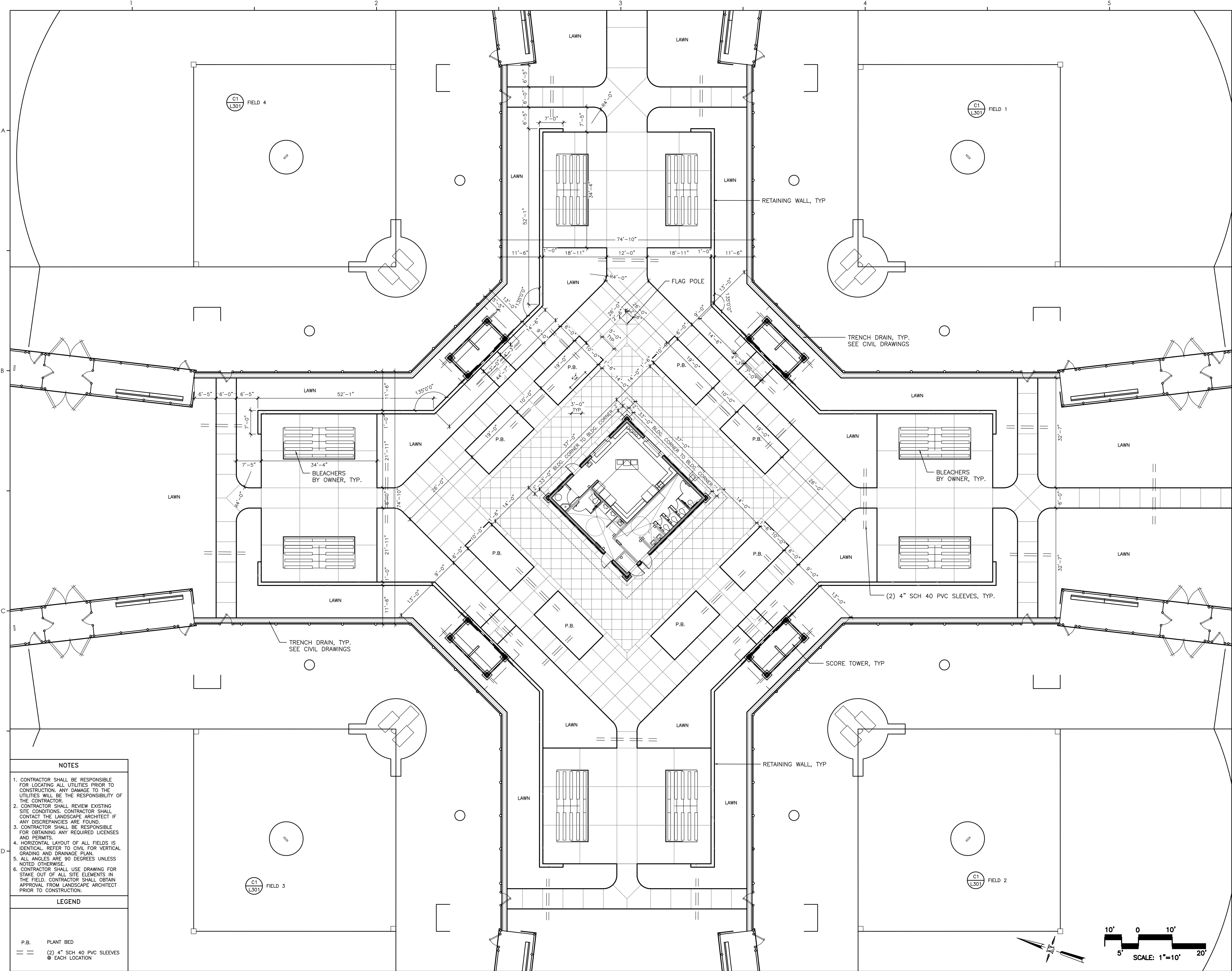
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Bid Set Revision

Revision Schedule		
#	Description	Date

LAYOUT PLAN  
 ENLARGEMENT

**L103**

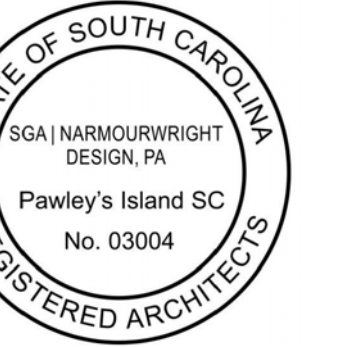


**NOTES**

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- CONTRACTOR SHALL USE DRAWING FOR STAKE OUT OF ALL SITE ELEMENTS IN THE FIELD. CONTRACTOR SHALL OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

**LEGEND**

P.B. PLANT BED  
 == (2) 4" SCH 40 PVC SLEEVES EACH LOCATION  
 ⊙ EACH LOCATION



**WAVERLY PARK**  
AT  
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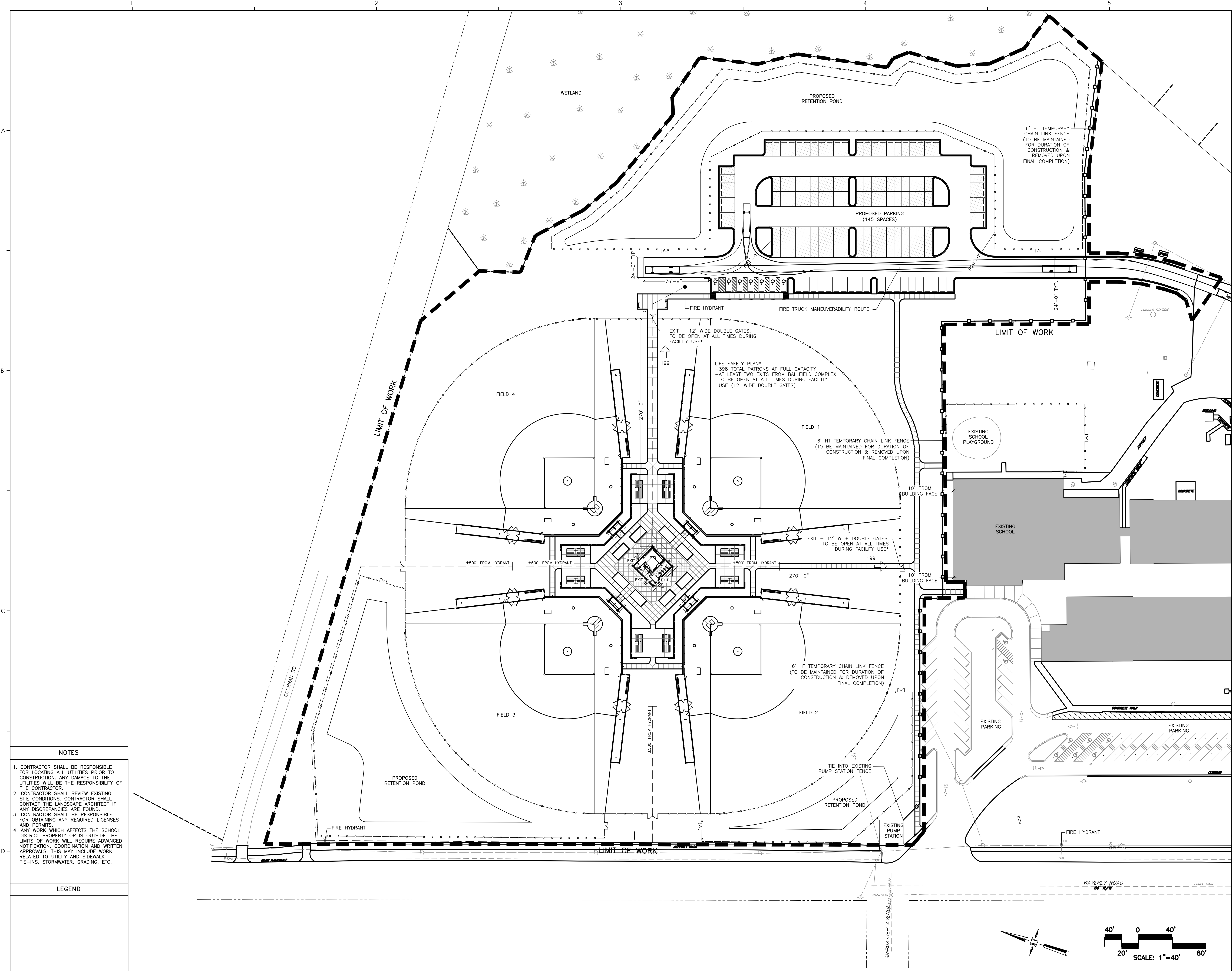
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Revision Schedule		
#	Description	Date

LIFE SAFETY, FIRE  
APPARATUS ROUTING &  
CONSTRUCTION  
COORDINATION PLAN

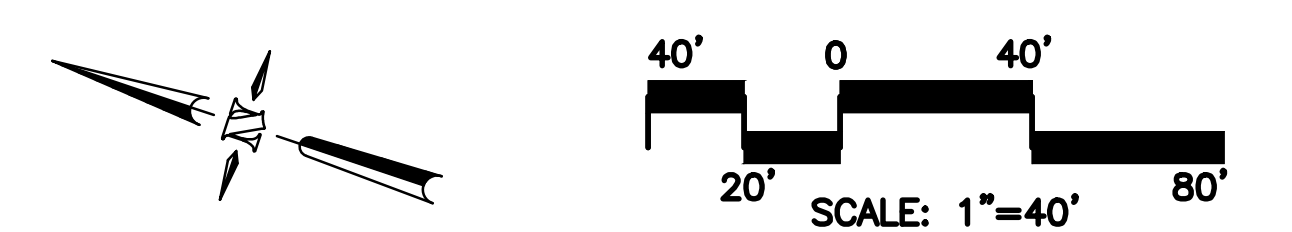
**L104**



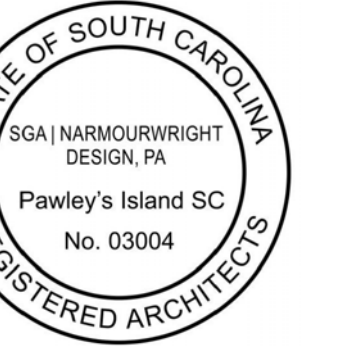
- NOTES**
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  - CONTRACTOR SHALL REVIEW EXISTING SITE CONDITIONS. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT IF ANY DISCREPANCIES ARE FOUND.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED LICENSES AND PERMITS.
  - ANY WORK WHICH AFFECTS THE SCHOOL DISTRICT PROPERTY OR IS OUTSIDE THE LIMITS OF WORK WILL REQUIRE ADVANCED NOTIFICATION, COORDINATION AND WRITTEN APPROVALS. THIS MAY INCLUDE WORK RELATED TO UTILITY AND SIDEWALK TIE-INS, STORMWATER, GRADING, ETC.

**LEGEND**

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**WAVERLY PARK**  
AT  
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1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
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Revision Schedule		
#	Description	Date

TREE  
PLAN

**L200**

**TREE REPLACEMENT SUMMARY (NON SINGLE-FAMILY USE):**  
\*PER ARTICLE XIII, SECTION 1301.12 & 1303.4 OF GEORGETOWN COUNTY ZONING ORDINANCE

**PRE-DEVELOPMENT**

TOTAL DEVELOPED LOT AREA(EXCLUDES COCHRAN LANE ROW): 643,786 SF (14.78 AC)  
TOTAL NUMBER OF EXISTING PROTECTED TREES: 48 TREES  
EXISTING TREE/LOT AREA RATIO: 0.07 TREES/1,000 SF

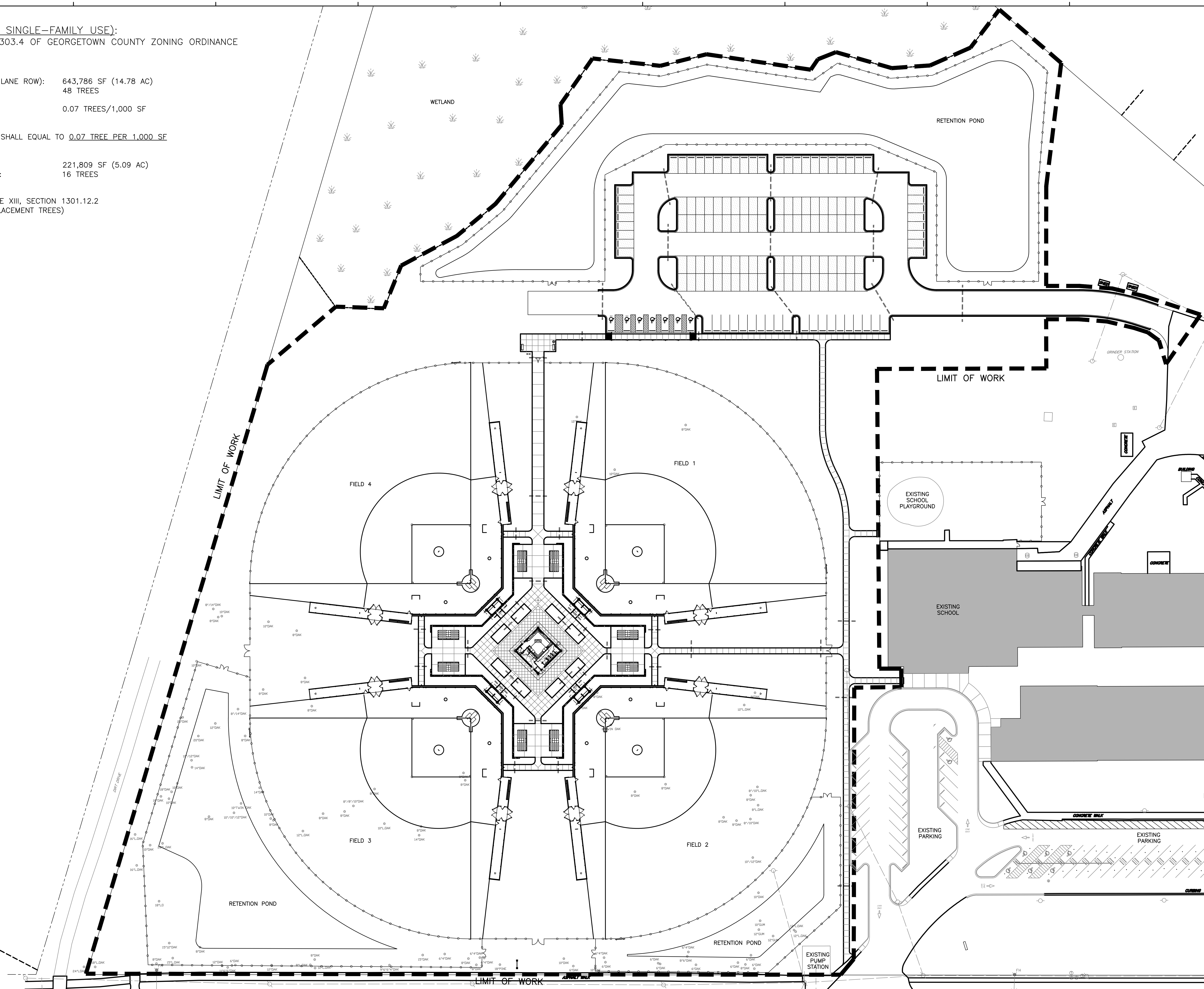
**POST-DEVELOPMENT**

POST DEVELOPMENT TREE TO OPEN SPACE RATIO SHALL EQUAL TO 0.07 TREE PER 1,000 SF  
(0 GRAND TREES ARE TO BE REMOVED)

TOTAL OPEN SPACE AREA: 221,809 SF (5.09 AC)  
NUMBER OF TREES REQUIRED POST DEVELOPMENT: 16 TREES

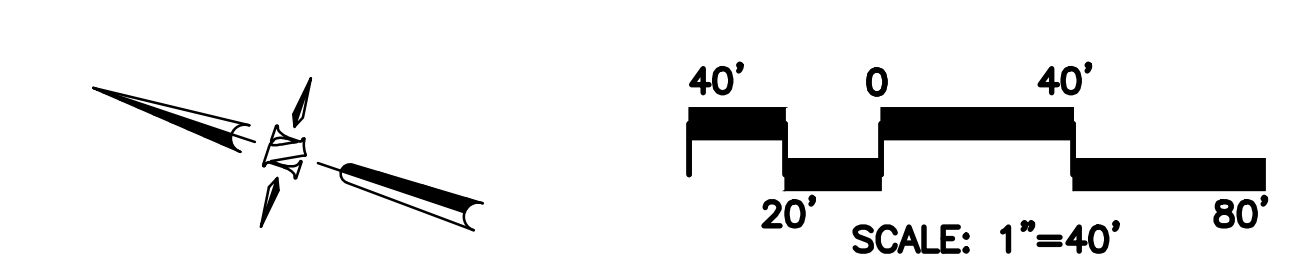
07 PROTECTED TREES REMAINING  
09 REPLACEMENT TREES REQUIRED - PER ARTICLE XIII, SECTION 1301.12.2  
(SEE L201 AND L203 PLANT SCHEDULE FOR REPLACEMENT TREES)

A  
B  
C  
D



- NOTES**
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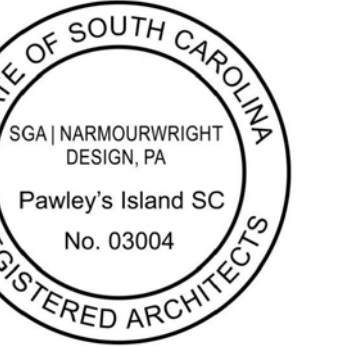
- LEGEND**
- EXISTING PROTECTED TREE TO REMAIN
  - EXISTING PROTECTED TREE TO BE REMOVED



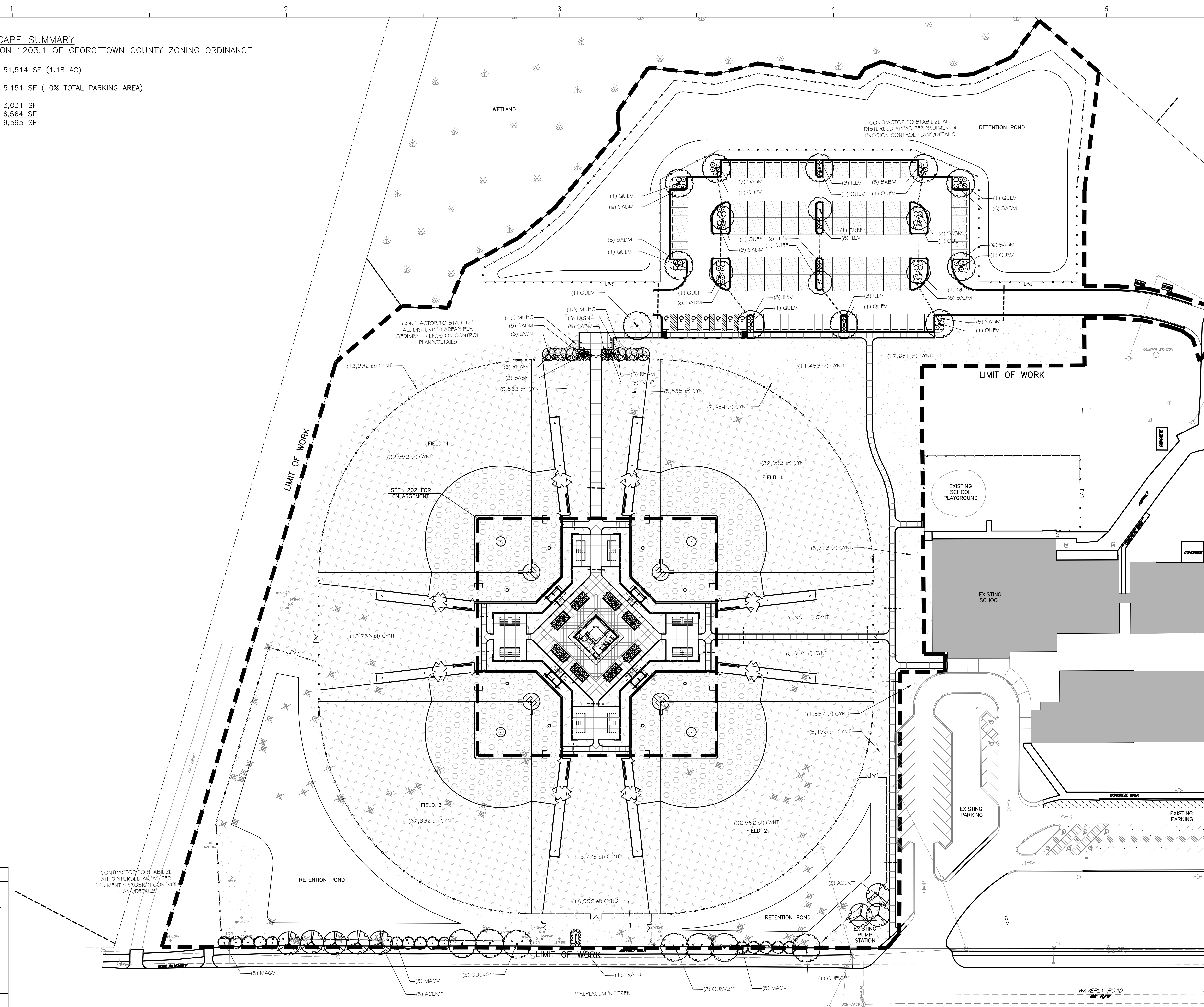
**PARKING LOT LANDSCAPE SUMMARY**  
 \*PER ARTICLE XII, SECTION 1203.1 OF GEORGETOWN COUNTY ZONING ORDINANCE

TOTAL PARKING AREA	51,514 SF (1.18 AC)
TOTAL LANDSCAPE AREA REQUIRED	5,151 SF (10% TOTAL PARKING AREA)
PROVIDED	
INTERIOR	3,031 SF
EXTERIOR	6,564 SF
TOTAL	9,595 SF

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A  
B  
C  
D



- NOTES**
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO THE UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
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  - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED LICENSES AND PERMITS.

**LEGEND**

	EXISTING TREE TO REMAIN
P.B.	PLANT BED
	(2) 4" SCH 40 PVC SLEEVES EACH LOCATION
	● EACH LOCATION

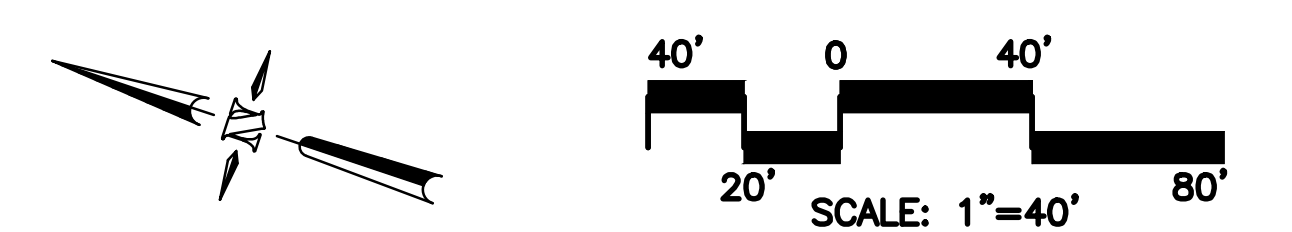
**WAVERLY PARK**  
 AT  
 WACCAMAW ELEMENTARY SCHOOL  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
 19-004-04  
 ISSUE DATE:  
 2/19/2022  
 DRAWN BY: PW / JW  
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Revision Schedule		
#	Description	Date

PLANTING PLAN  
**L201**





**WAVERLY PARK**  
 AT  
 WACCAMAW ELEMENTARY SCHOOL  
 1364 WAVERLY RD.  
 PAWLEY'S ISLAND, SC 29585

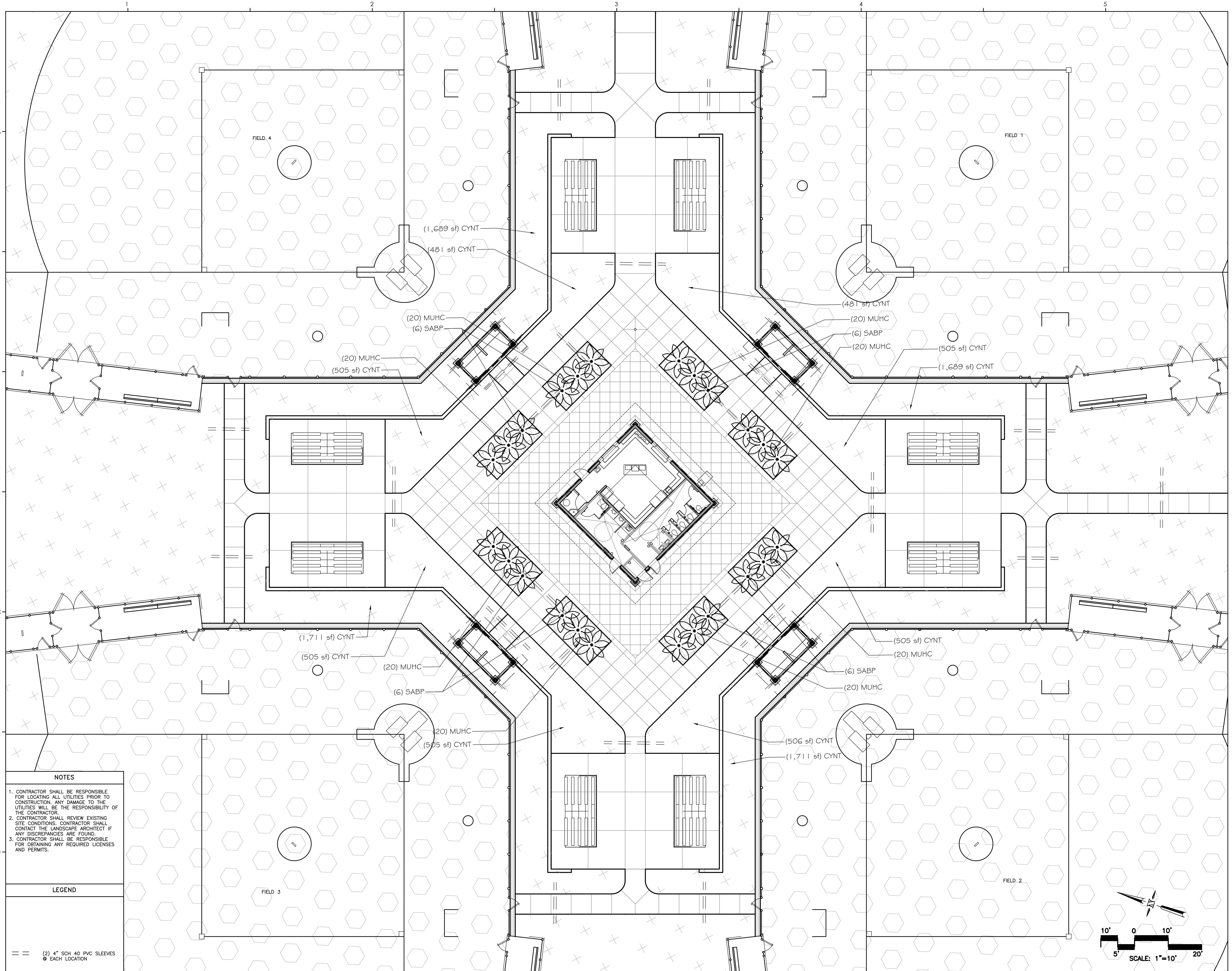
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 2/19/2022  
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Bid Set Revision

Revision Schedule		
#	Description	Date

PLANTING PLAN  
 ENLARGEMENT

**L202**



**NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO THE UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
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- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED LICENSES AND PERMITS.

**LEGEND**

== (2) 4" SCH 40 PVC SLEEVES  
 ● EACH LOCATION

Revision Schedule		
#	Description	Date

**A1 TREE DETAIL**  
N.T.S.

**B1 MULTI-STEMMED TREE DETAIL**  
N.T.S.

**C1 SHRUB DETAIL**  
N.T.S.

**D1 TREE MULCHING**  
N.T.S.

**A2 PALM TREE DETAIL**  
N.T.S.

**B2 GROUNDCOVER DETAIL**  
N.T.S.

**C2 STEEL EDGE DETAIL**  
N.T.S.

**D2 TRENCH EDGE DETAIL**  
N.T.S.

**A4 TREE FENCE DETAIL**  
N.T.S.

**B2 GROUNDCOVER DETAIL**  
N.T.S.

**A4 TREE FENCE DETAIL**  
N.T.S.

PLANT SCHEDULE									
Trees	Quantity	Botanical	Common	CAL.	CONT	HEIGHT	SPREAD	Remarks	
ACER	8	Acer rubrum 'Brandywine'	Brandywine Red Maple	3"	B&B	14'-16"	6'-8"	Specimen / Replacement Tree	
LAGN	6	Lagerstroemia x 'Natchez'	Crape Myrtle	30 gal.		8'-10"	4'-6"	Multi-Stem (3 Strong Leaders)	
MAGV	15	Magnolia virginiana	Sweet Bay	30 gal.		6'-8"	4'-6"	Specimen	
QUEF	6	Quercus falcata	Southern Red Oak	2"	30 gal.	10'-12"	4'-6"	Specimen	
QUEV	11	Quercus virginiana	Southern Live Oak	2"	30 gal.	10'-12"	4'-6"	Specimen	
QUEV2	7	Quercus virginiana	Southern Live Oak	3"	B&B	12'-14"	6'-8"	Specimen / Replacement Tree	
SABP	30	Sabal palmetto	Cabbage Palmetto		B&B	10'-12"		Hurricane Cut	
Shrubs	Quantity	Botanical	Common		CONT	HEIGHT	SPREAD	Remarks	
ILEV	40	Ilex vomitoria 'Schillings Dwarf'	Dwarf Schillings Holly		3 gal.	12"	12"	Full Container	
RAPI1	15	Rhaphiolepis umbellata 'Eleanor Tabor'	Yedda Hawthorn		3 gal.	12"	12"	Full Container	
RAHAM	10	Rhaphiolepis x 'Montic TM'	Majestic Beauty Indian Hawthorn		7 gal.	18"-24"	18"-24"	Full Container	
SABM	80	Sabal minor	Dwarf Palmetto		7 gal.	18"-24"	18"-24"	Full Container	
Groundcover	Quantity	Botanical	Common		CONT	HEIGHT	SPREAD	Spacing	Remarks
CYND	55,350 SF	Cynodon dactylon	Bermuda Grass		seed				Hydroseed
CYNT	221,340 SF	Cynodon dactylon 'Tifway 419'	Tifway 419 Bermuda Grass		sod				Certified Sod
MUHC	193	Muhlenbergia capillaris	Pink Muhly Grass		3 gal.	1'-2"	1'-2"	36" o.c.	Full Container

**GENERAL PLANT NOTES**

- THE CONTRACTOR SHALL LOCATE ALL PROPOSED & EXISTING UTILITIES PRIOR TO THE BEGINNING OF WORK.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES THAT ARE DISTURBED AS A RESULT OF THE WORK.
- THE CONTRACTOR SHALL MAINTAIN ALL GRASSSED AREAS, INCLUDING THE REPAIR OF EROSION AREAS, UNTIL GRASS HAS REACHED THE LEVEL OF FINAL ACCEPTANCE & THROUGHOUT MAINTENANCE CONTRACT PERIOD IF APPLICABLE.
- ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION INSIDE OR OUTSIDE THE LIMIT OF WORK SHALL BE REPAIRED, GRADED & GRESSED.
- ALL PLANT BEDS SHALL RECEIVE PINE STRAW MULCH TO A DEPTH OF 4".
- ALL EXISTING TREES TO BE SAVED WILL HAVE TREE BARRICADES INSTALLED AROUND THEM PRIOR TO BEGINNING OF CONSTRUCTION. ALL WORK IN THESE AREAS TO BE DONE BY HAND. FENCES SHALL BE MAINTAINED & KEPT IN PLACE AT ALL TIMES. SEE TREE DETAIL.
- PROVIDE EROSION CONTROL WHERE SLOPES ARE GREATER THAN 3:1 & WHERE EROSION KEEPS RE-OCCURRING.
- ALL TREE, SHRUB & GROUNDCOVER MATERIALS SHALL BE PLANTED WITHIN 24 HOURS AFTER DELIVERY.
- APPLY WEED GERMINATION INHIBITOR (PREVENT OR EQUAL) TO ALL PLANTED AREAS. REFER TO SPECIFICATION 02900.
- ANY PLANTS LOCATED IN DIRECT SUN SHALL BE NURSERY SUN GROWN.
- CONTRACTOR WILL MIX 40LBS(SHREDDED PINEBARK) AND 40LBS(COMPOSTED COW MANURE) PER 25 SQUARE FEET IN PLANT BEDS TO A DEPTH OF 12".
- ALL TOPSOIL IS TO BE STOCKPILED FOR RE-USE IN LANDSCAPE WORK. SEE SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR PLANT QUANTITIES ON LANDSCAPE PLAN NOT IN PLANT SCHEDULE.
- PROPOSED AND EXISTING TREES IN LAWN AREAS SHALL RECEIVE 6' DIAMETER MULCH RING.

NOTE: LANDSCAPE ARCHITECT SHALL SELECT OR REVIEW ALL TREE MATERIAL AND PLANTS DESIGNATED AS SPECIMENS PRIOR TO INSTALLATION.

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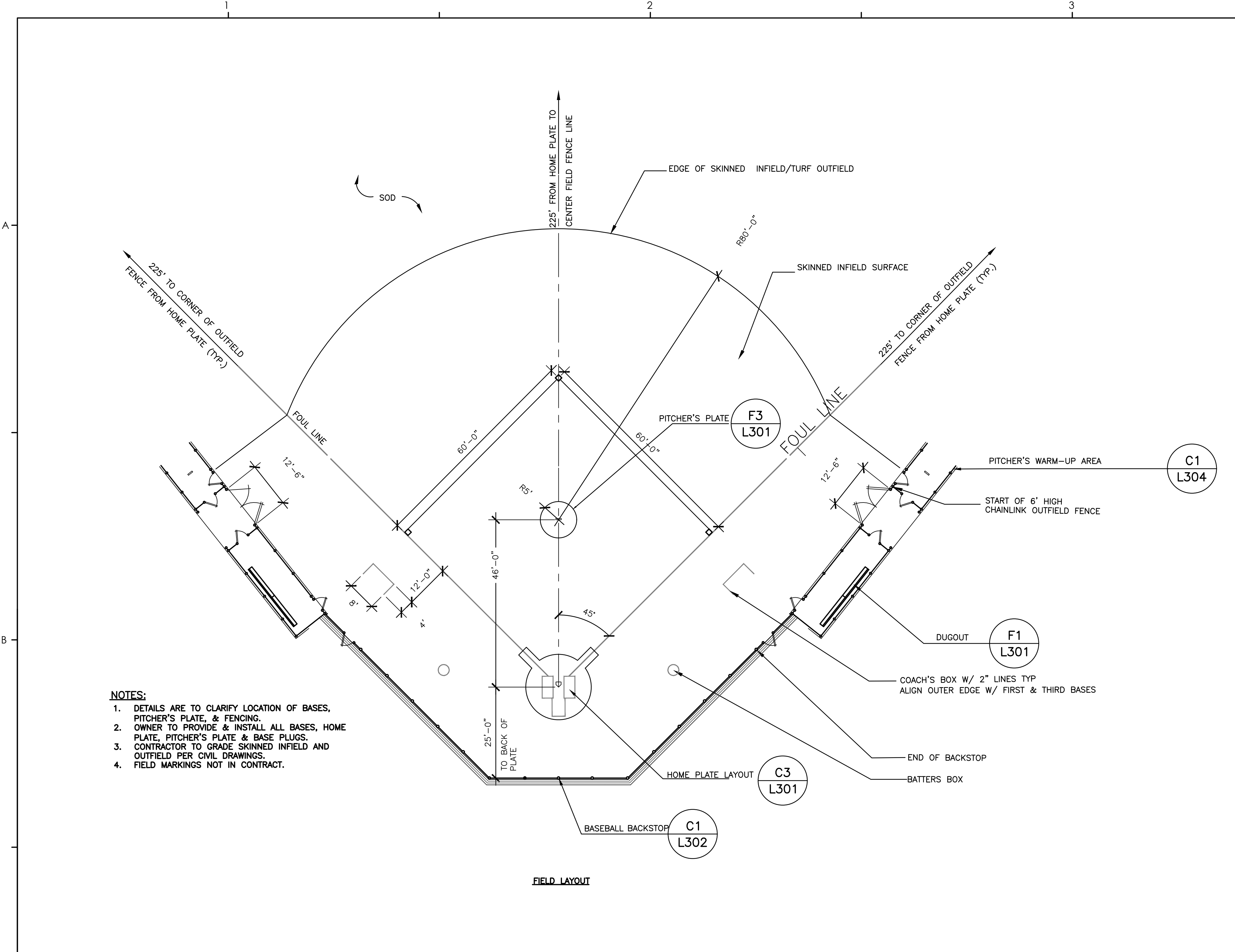
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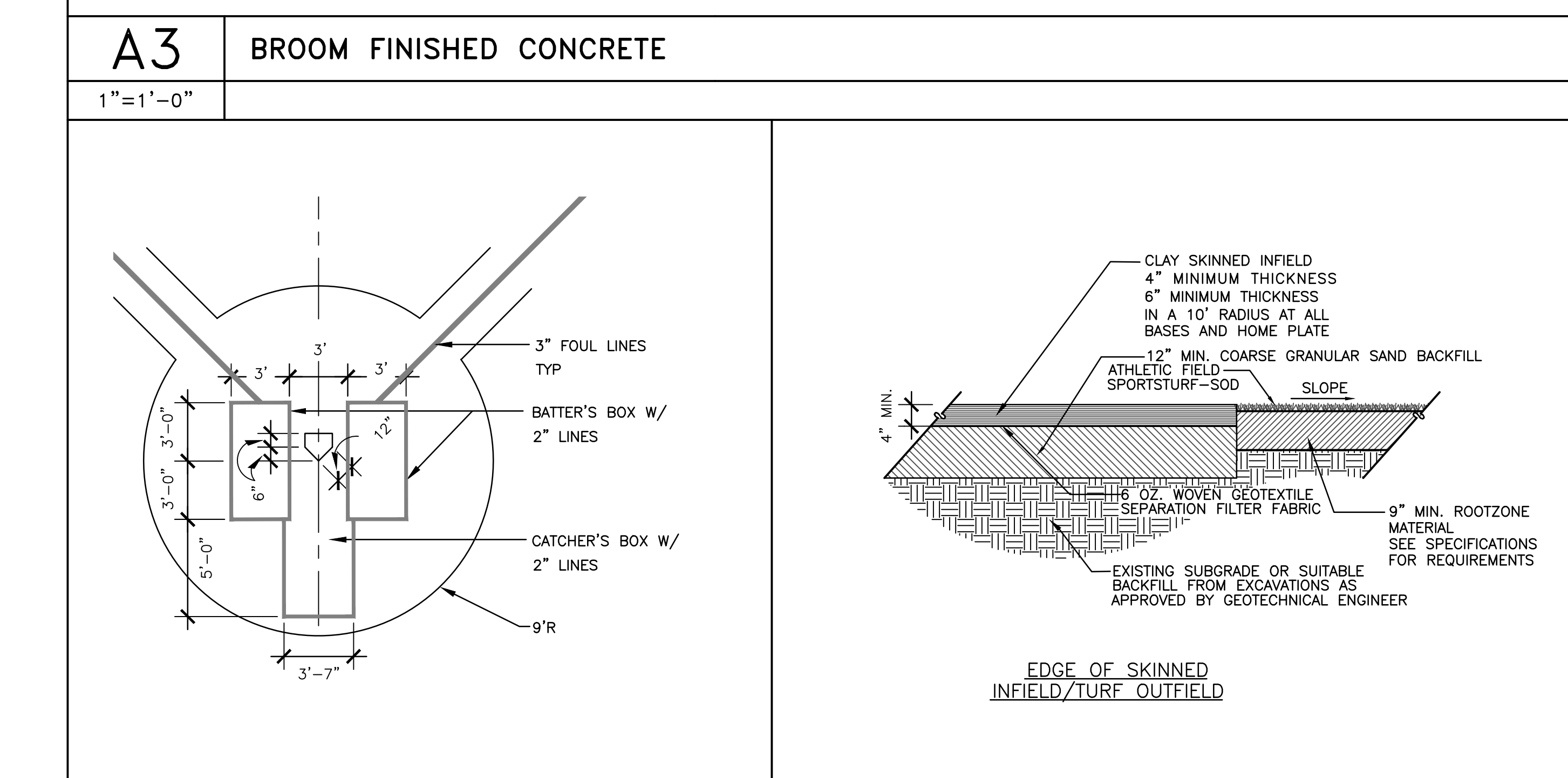
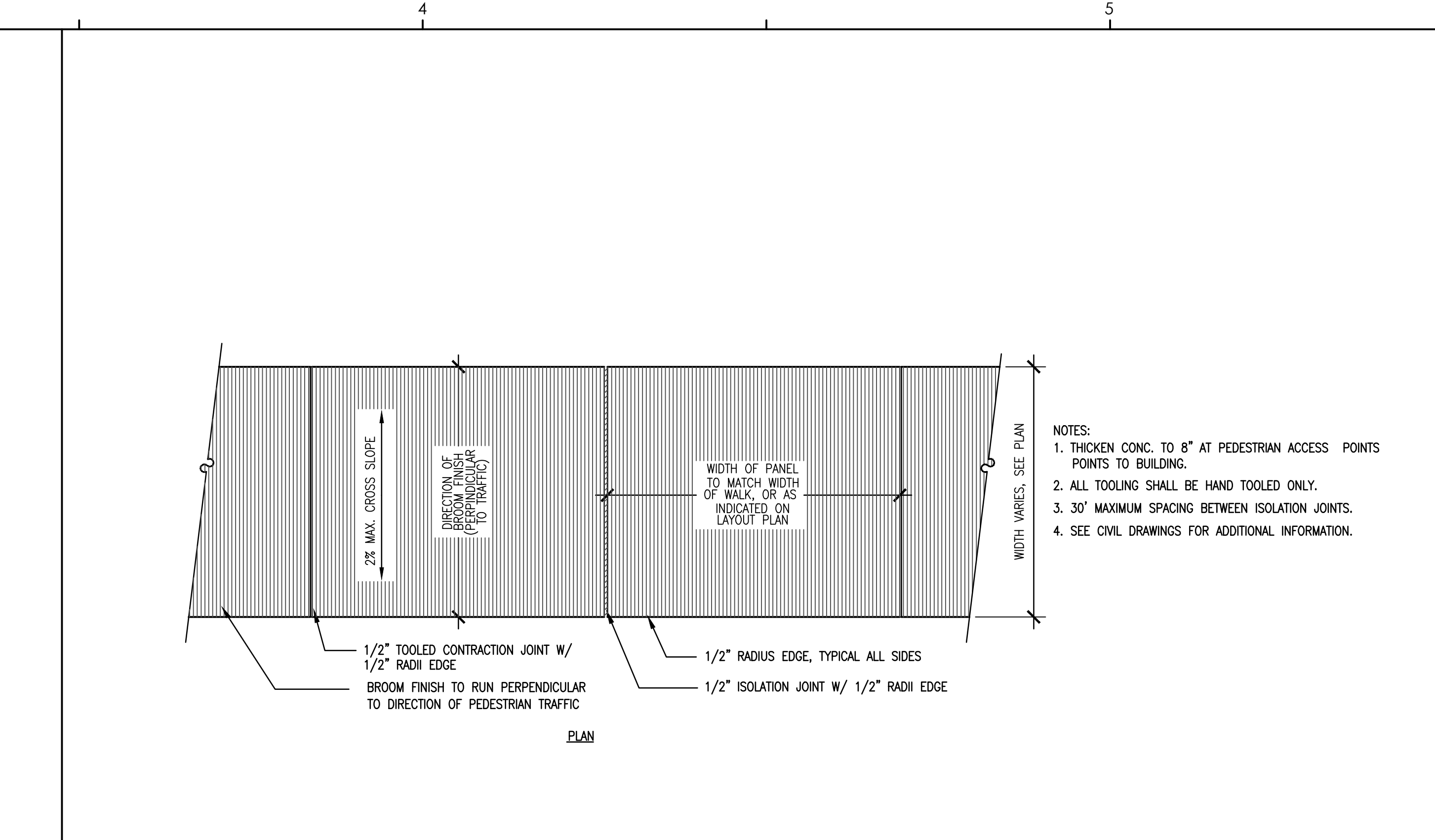
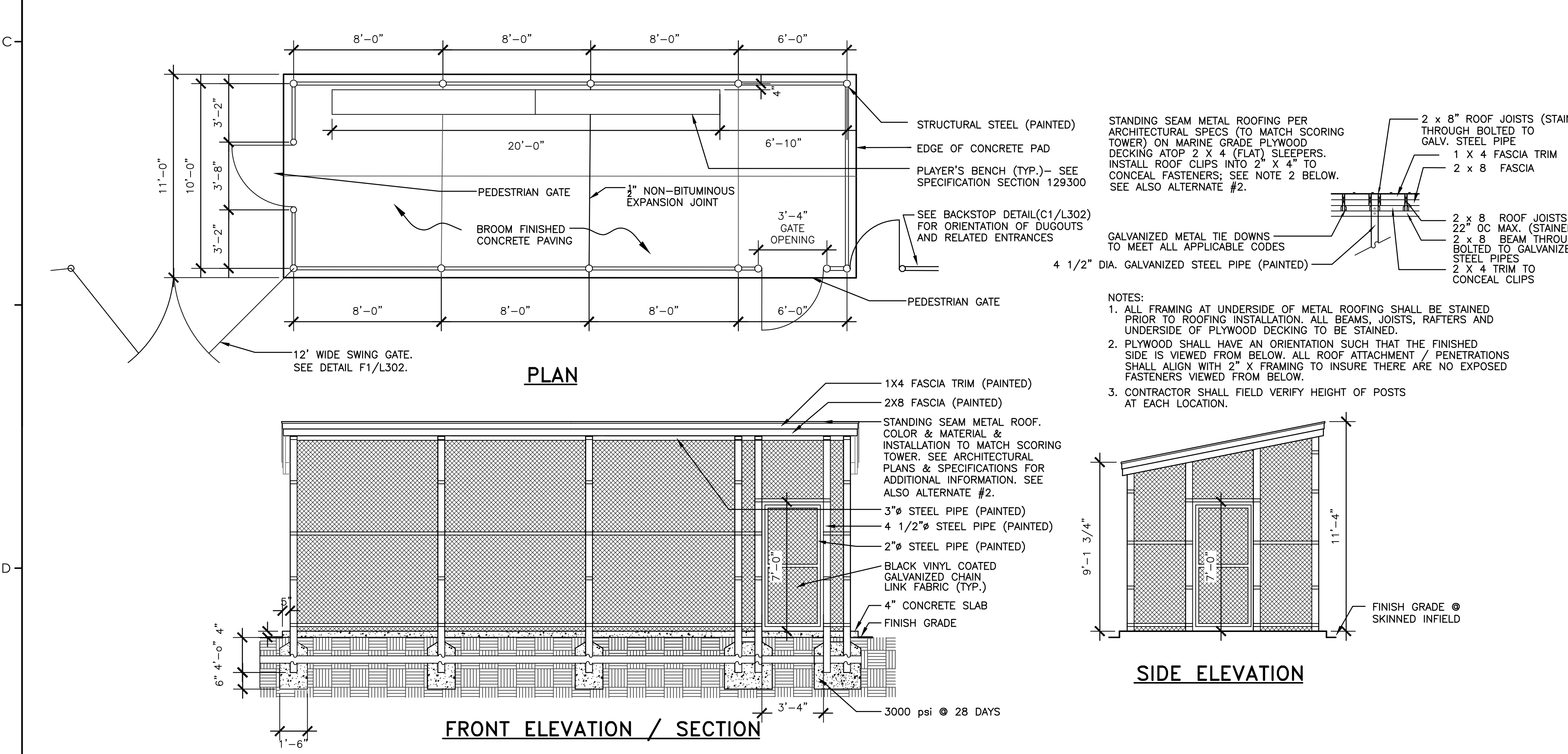
Revision Schedule		
#	Description	Date

LANDSCAPE  
CONSTRUCTION  
DETAILS

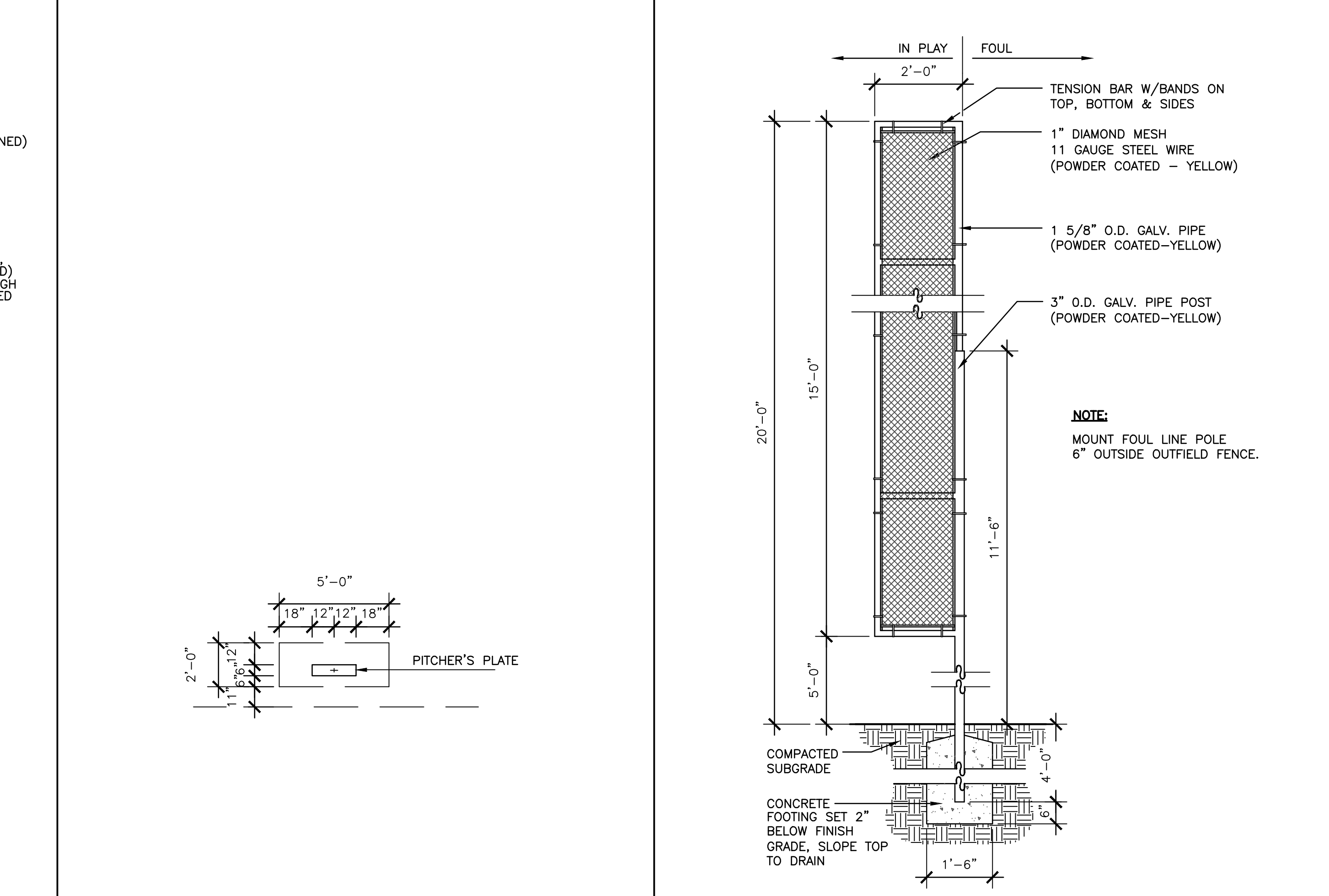
**L301**



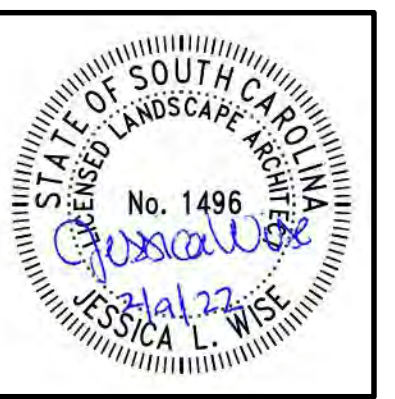
**C1** 225' SOFTBALL/BASEBALL INFIELD  
1/16"=1'-0"



**C5** INFIELD/OUTFIELD TYPICAL SECTION  
1/2"=1'-0"



**F5** FOUL LINE POLE  
1/2"=1'-0"



**WAVERLY PARK**  
AT  
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PAWLEYS ISLAND, SC 29585

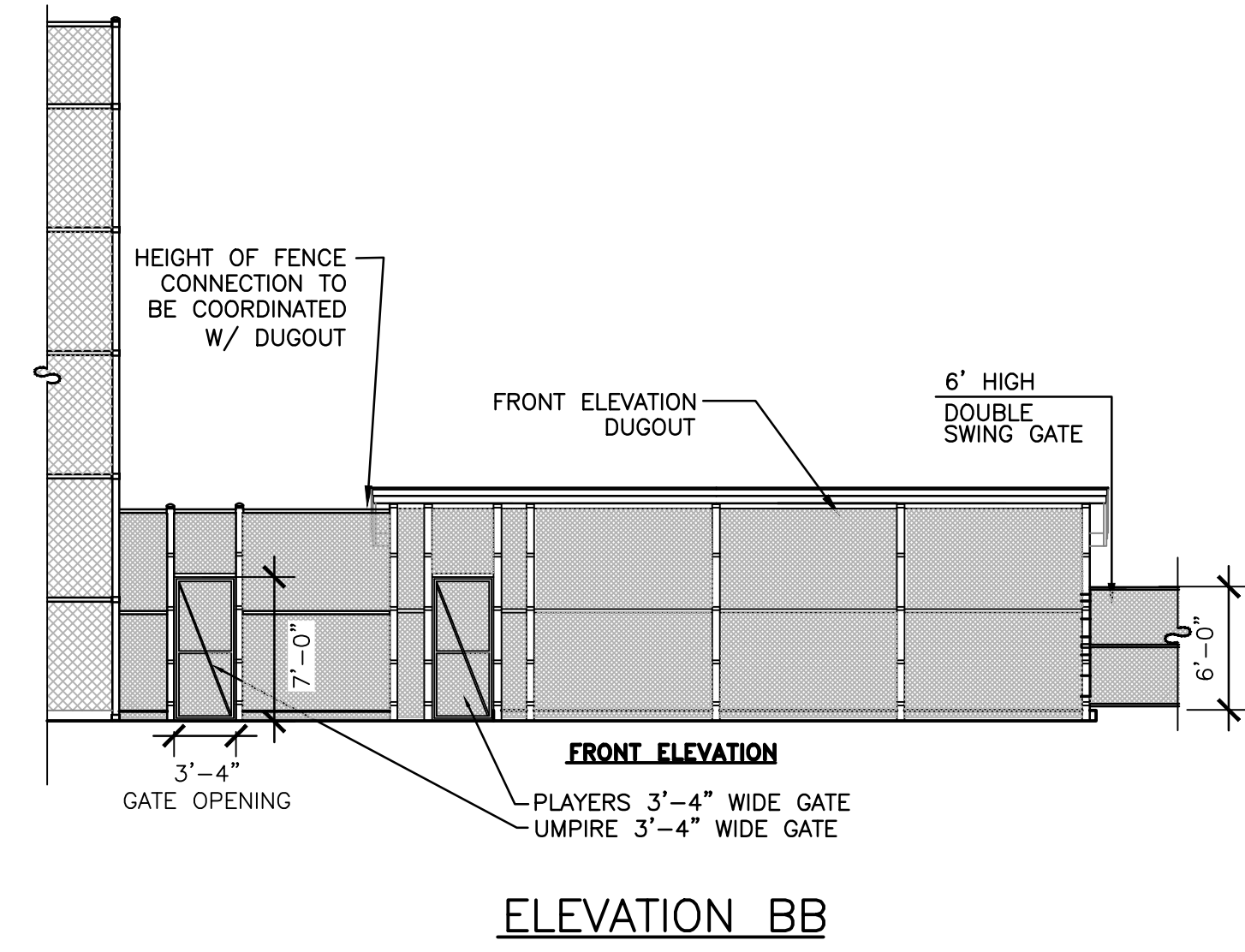
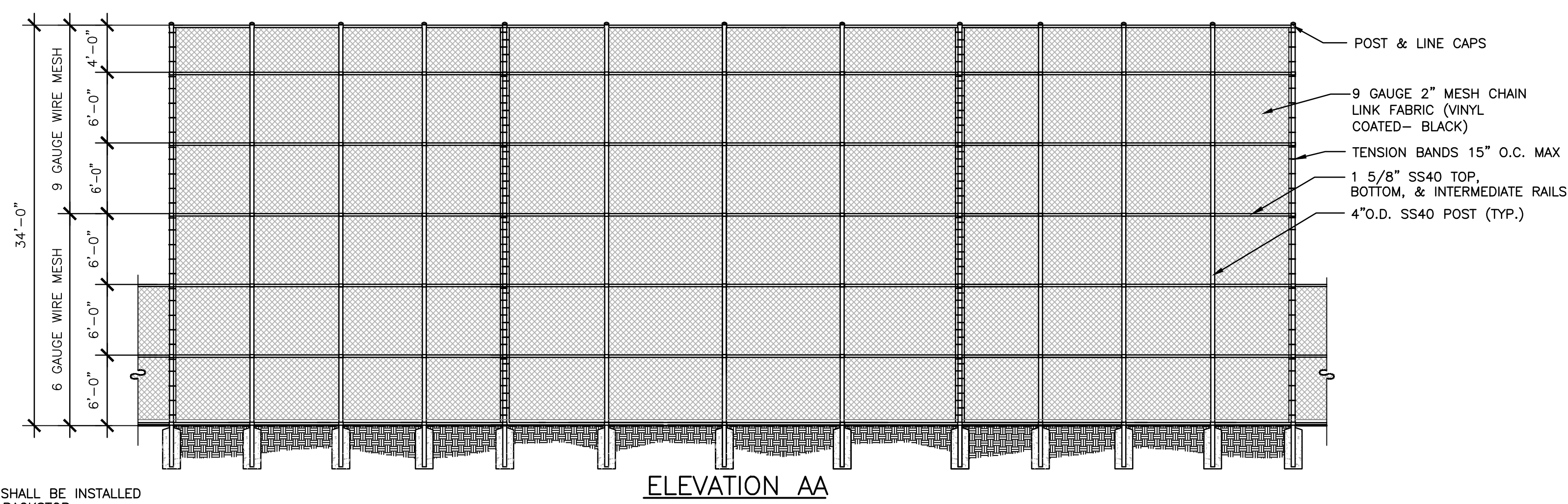
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Bid Set Revision

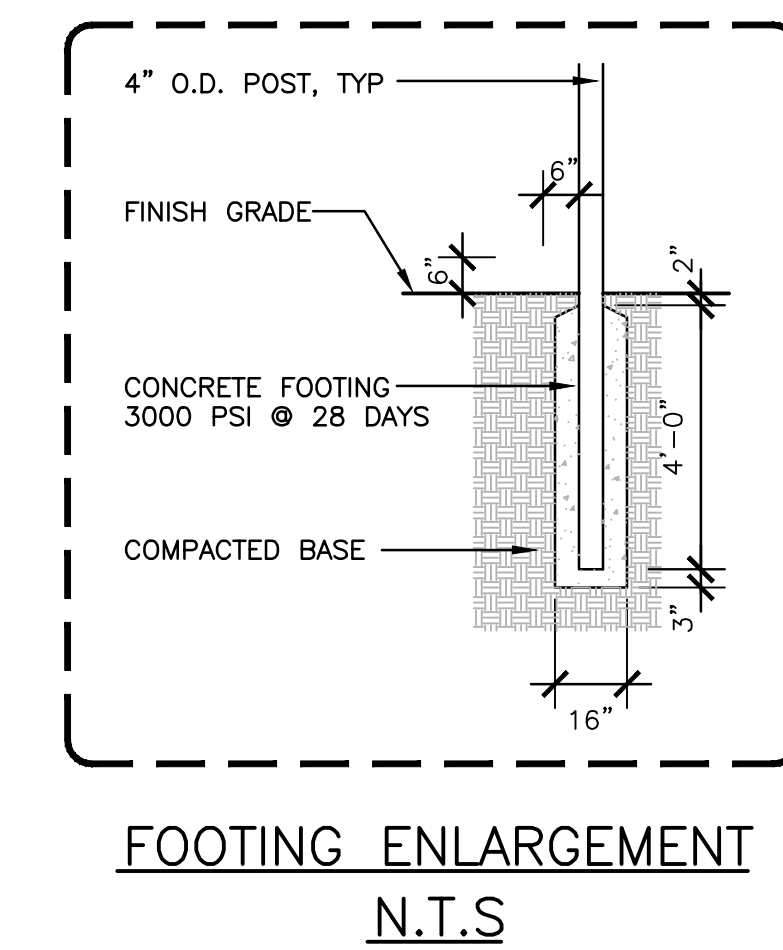
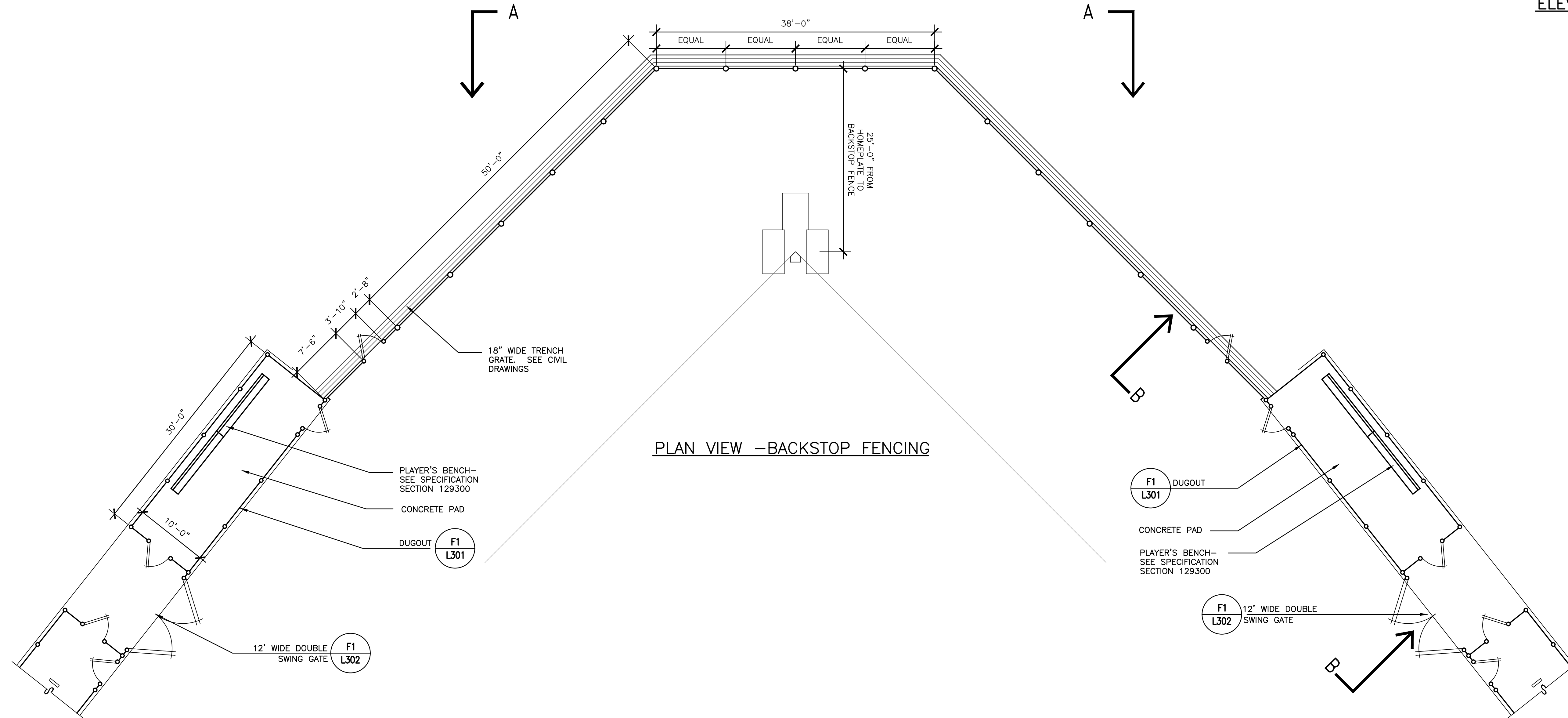
Revision Schedule		
#	Description	Date

LANDSCAPE  
CONSTRUCTION  
DETAILS

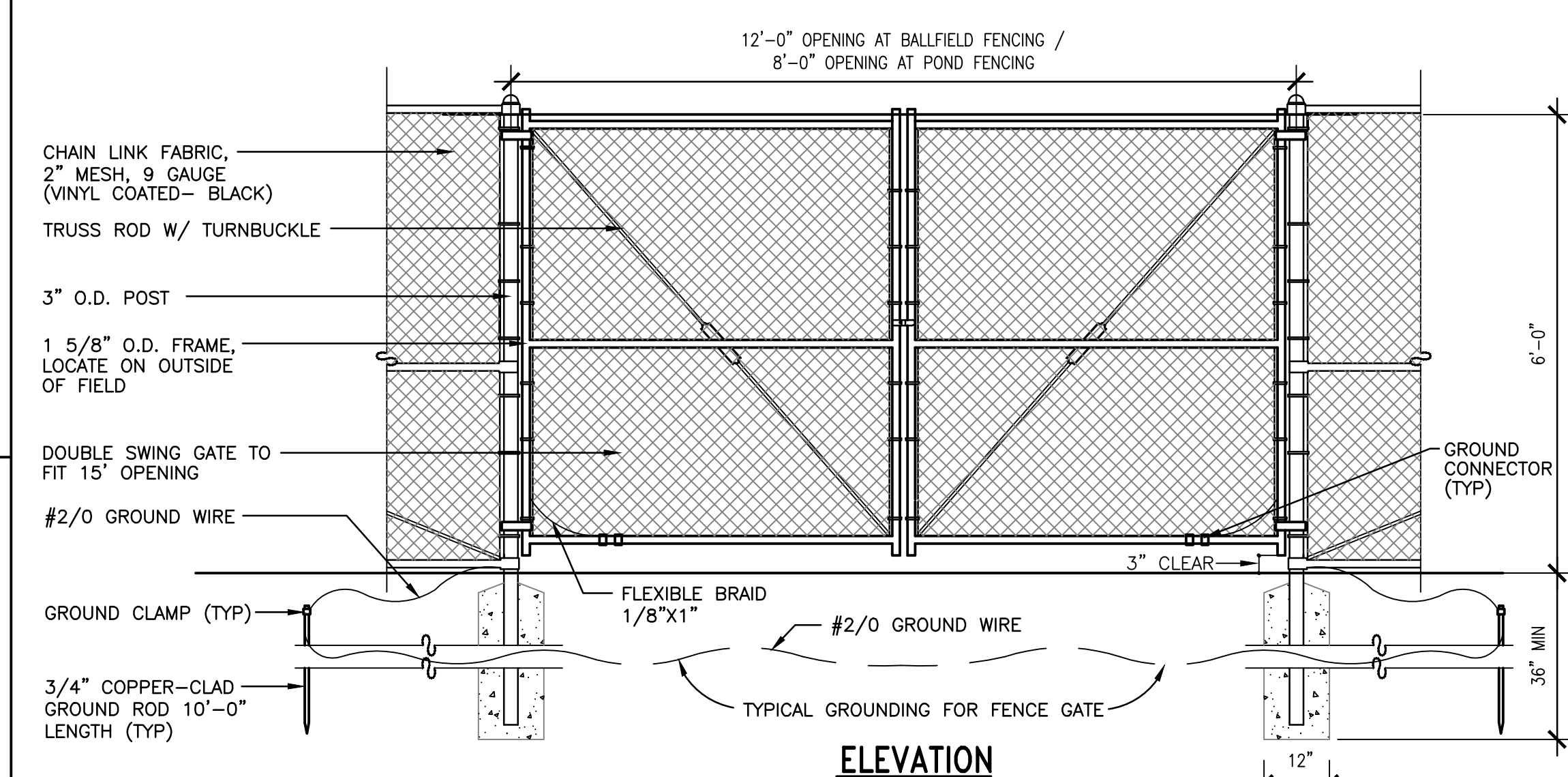
**L302**



**NOTES:**  
1. POSTS & RAILS SHALL BE INSTALLED ON OUTSIDE OF BACKSTOP.  
2. ALL BACKSTOP POSTS SHALL BE 4" O.D.

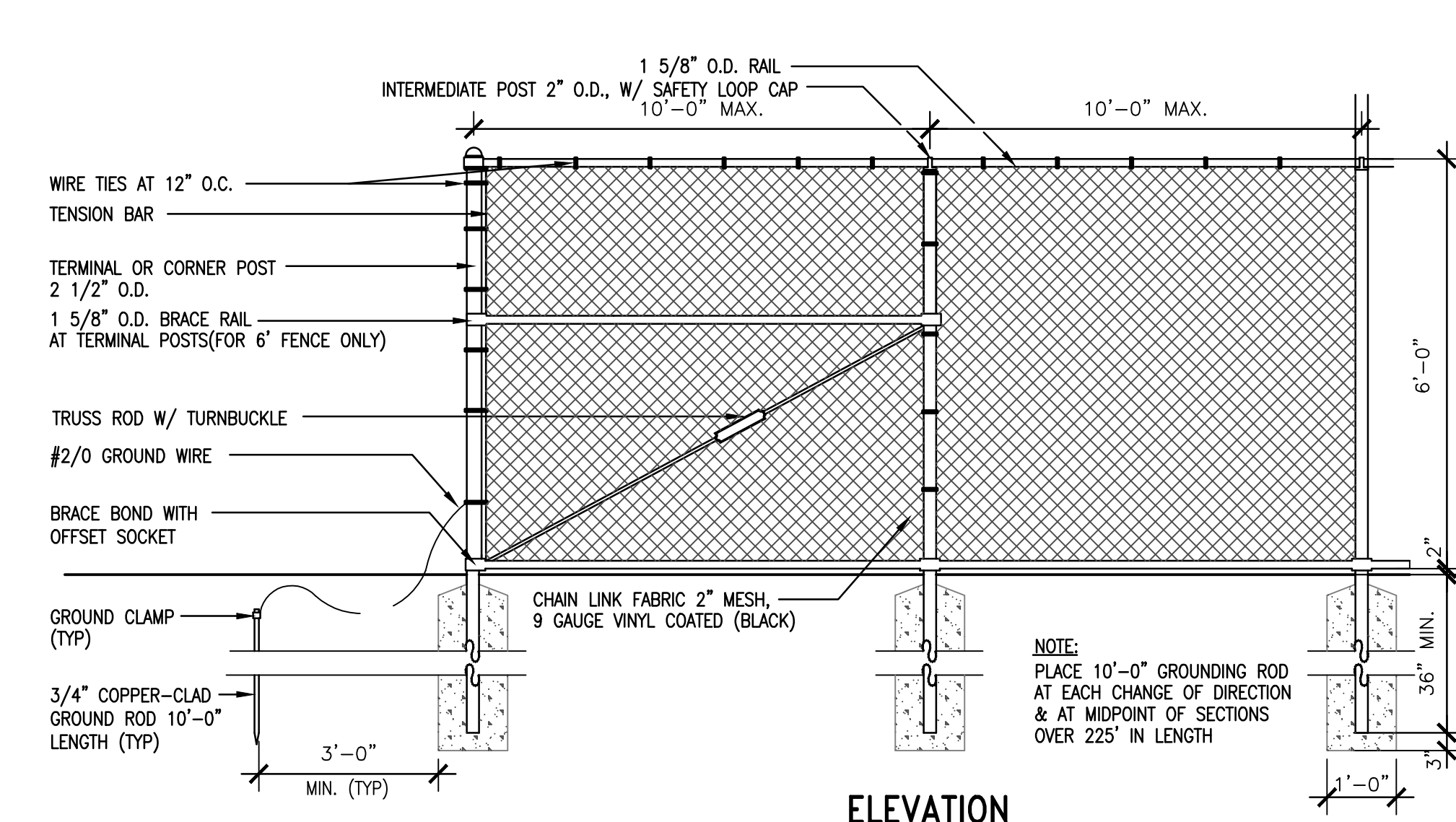


**C1** 225' BACKSTOP  
1/8"=1'-0"



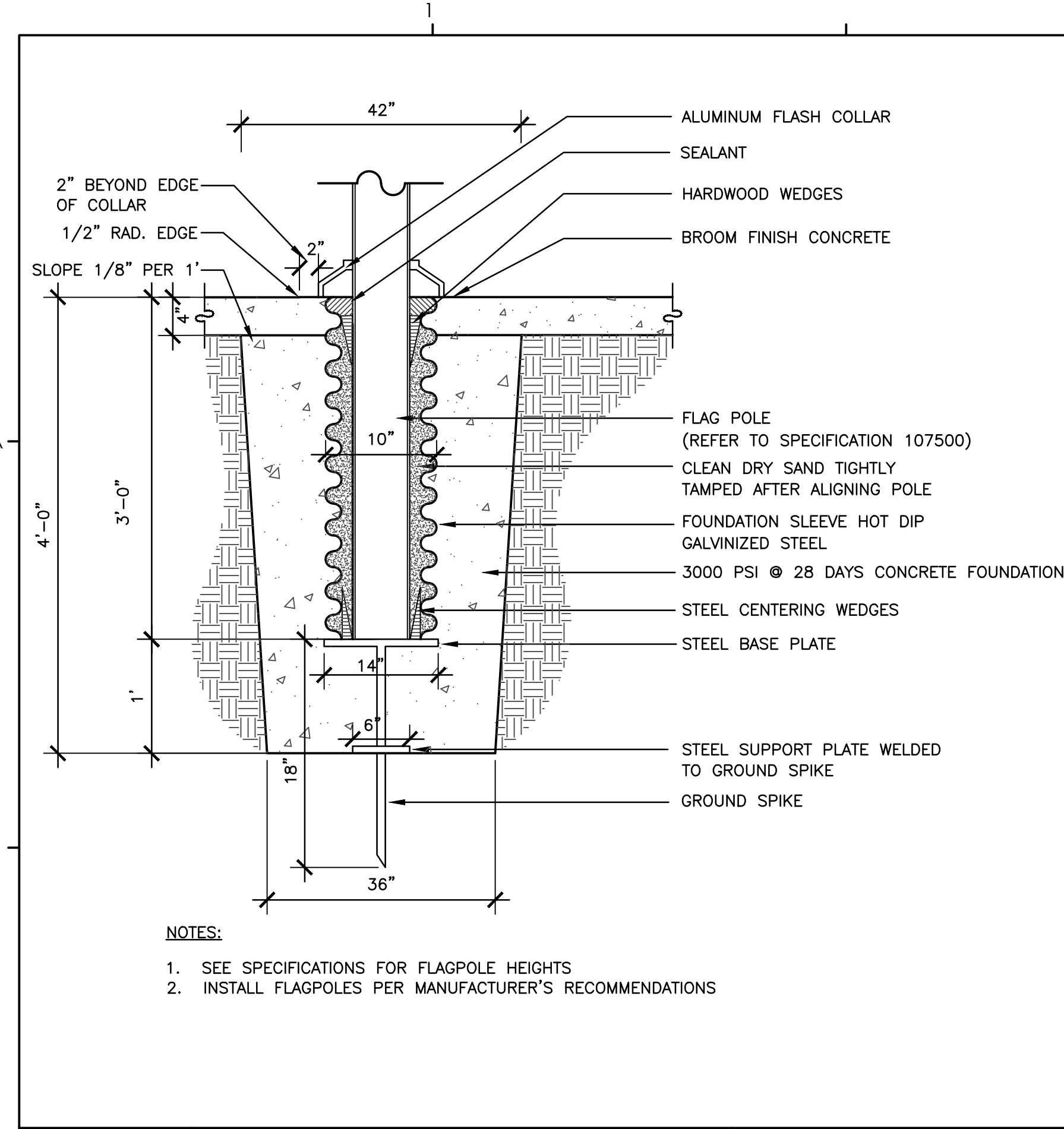
**NOTES:**  
1. ALL FENCING, RAILS, POSTS, & COMPONENTS SHALL BE VINYL COATED BLACK.  
2. PLACE 10'-0" GROUNDING ROD AT EACH CHANGE OF DIRECTION & AT MIDPOINT OF SECTIONS OVER 225' IN LENGTH.  
3. GROUND ALL GATES & FENCING W/ #210 GROUND WIRE.

**F1** 6' HT. DOUBLE SWING GATE @ 225' BALLFIELDS & PONDS  
1/2"=1'-0"



**NOTES:**  
1. ALL FENCING, RAILS, POSTS, AND COMPONENTS SHALL BE VINYL COATED BLACK.  
2. PLACE 10'-0" GROUNDING ROD AT EACH CHANGE OF DIRECTION & AT MIDPOINT OF SECTIONS OVER 225' IN LENGTH.  
3. GROUND ALL GATES & FENCING W/ #210 GROUND WIRE.

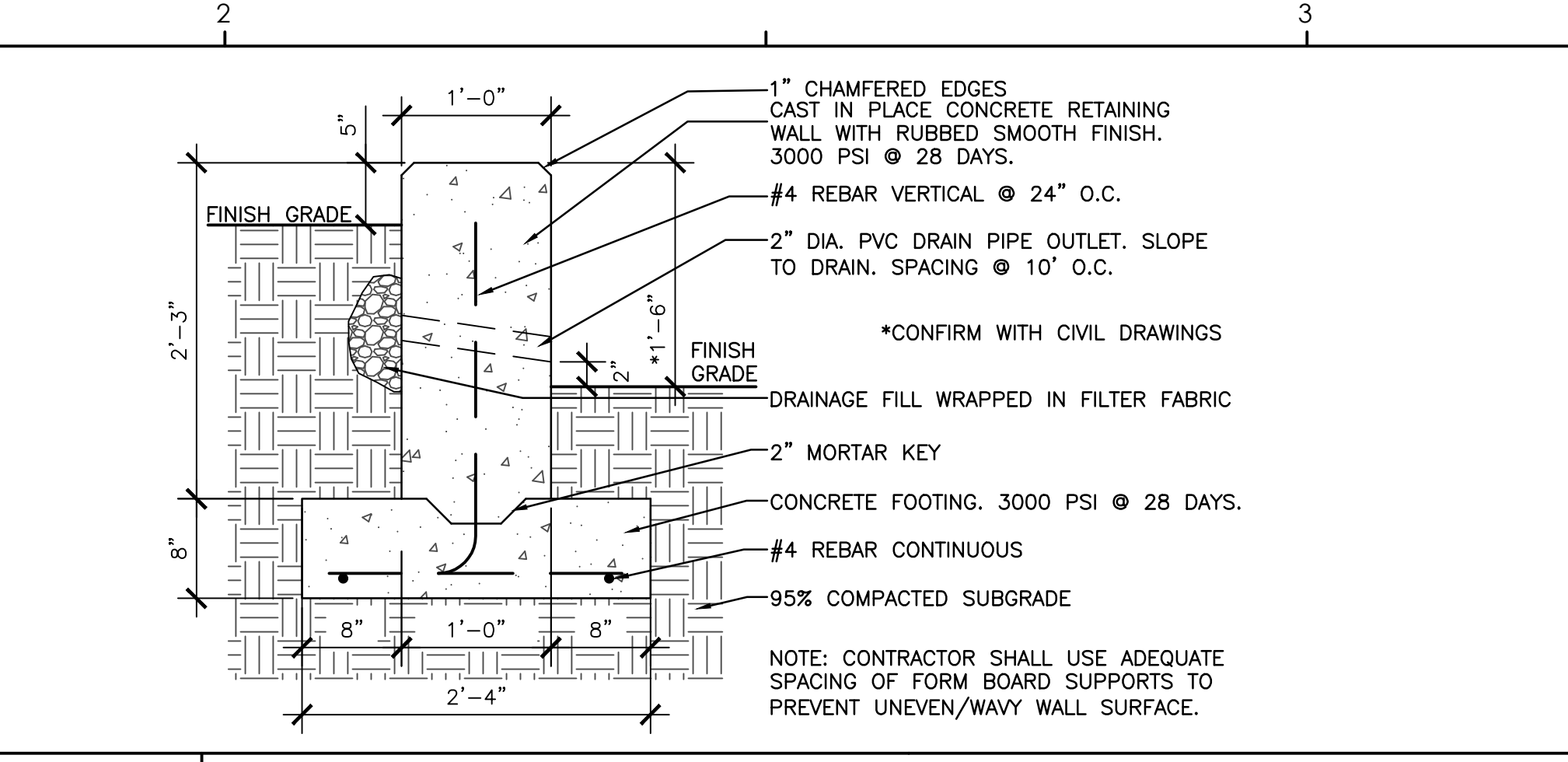
**F3** 6' HT. FENCE @ 225' BALLFIELDS & PONDS  
1/2"=1'-0"



NOTES:  
 1. SEE SPECIFICATIONS FOR FLAGPOLE HEIGHTS  
 2. INSTALL FLAGPOLES PER MANUFACTURER'S RECOMMENDATIONS

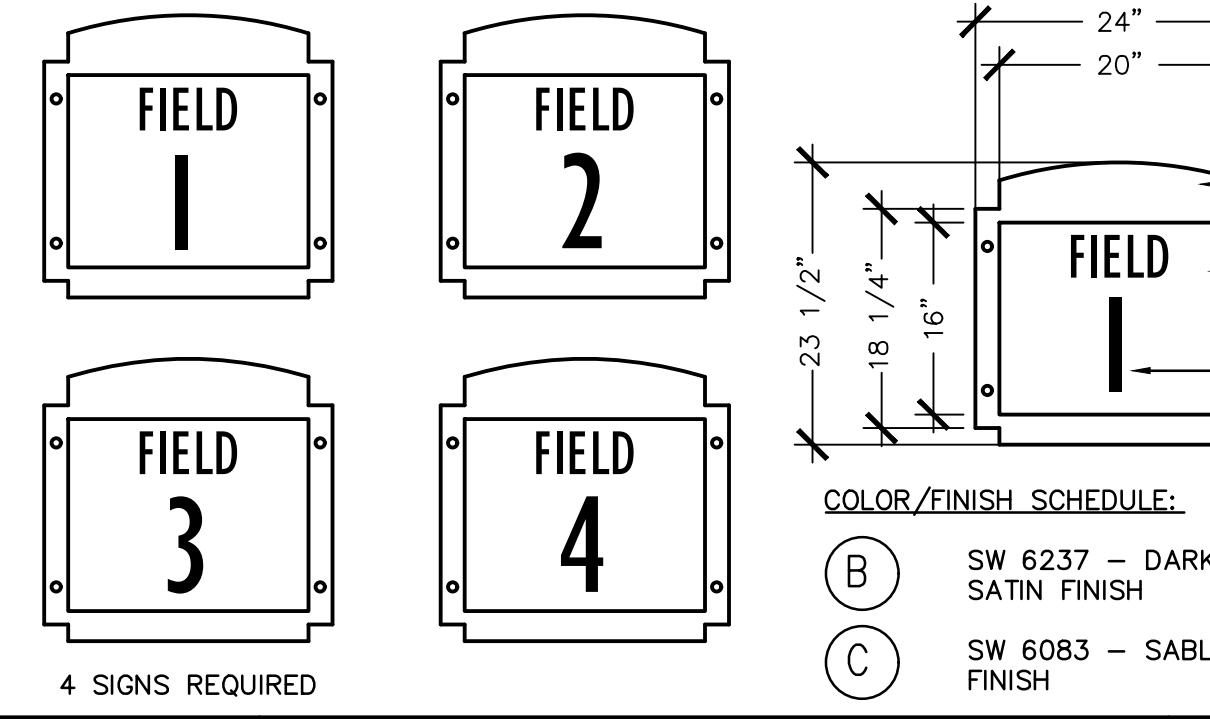
**B1** FLAGPOLE FOOTING

1"=1'-0"



**A2** CAST IN PLACE CONCRETE RETAINING WALL

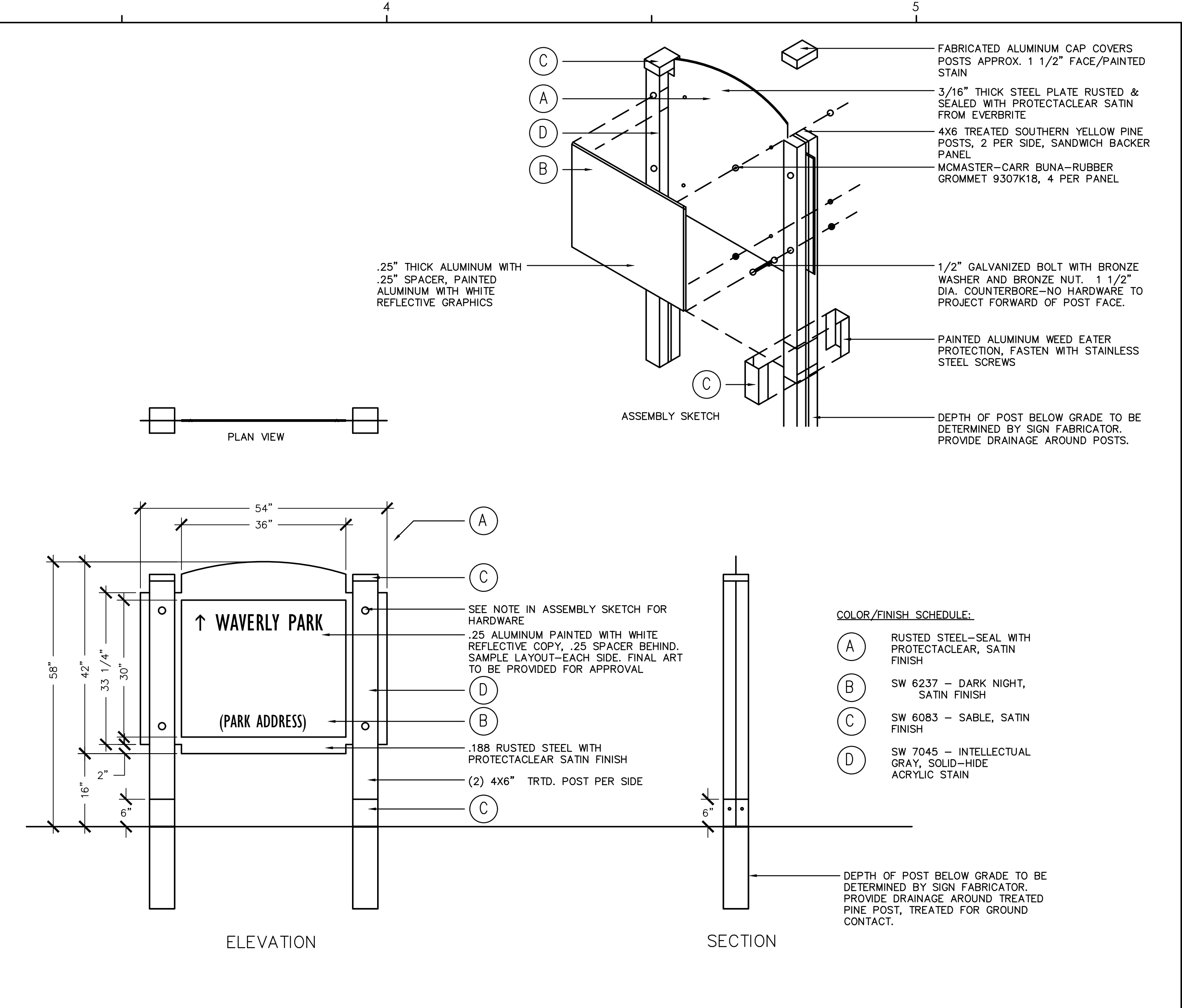
1"=1'-0"



COLOR/FINISH SCHEDULE:  
 (A) SW 6237 - DARK NIGHT, SATIN FINISH  
 (B) SW 6083 - SABLE, SATIN FINISH  
 (C) SW 7045 - INTELLECTUAL GRAY, SOLID-HIDE ACRYLIC STAIN

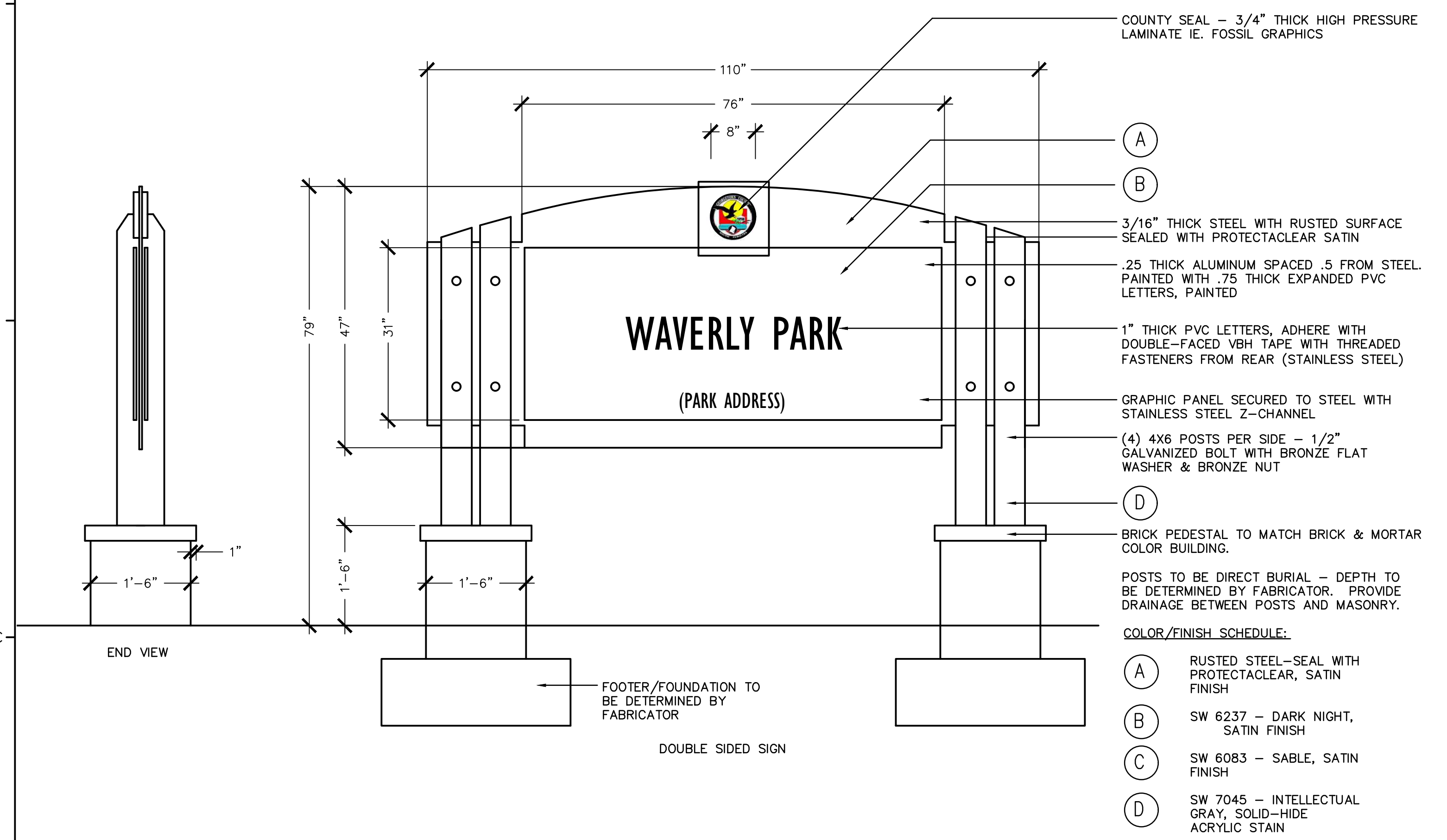
**B2** FIELD IDENTIFICATION SIGNAGE

3/4"=1'-0"



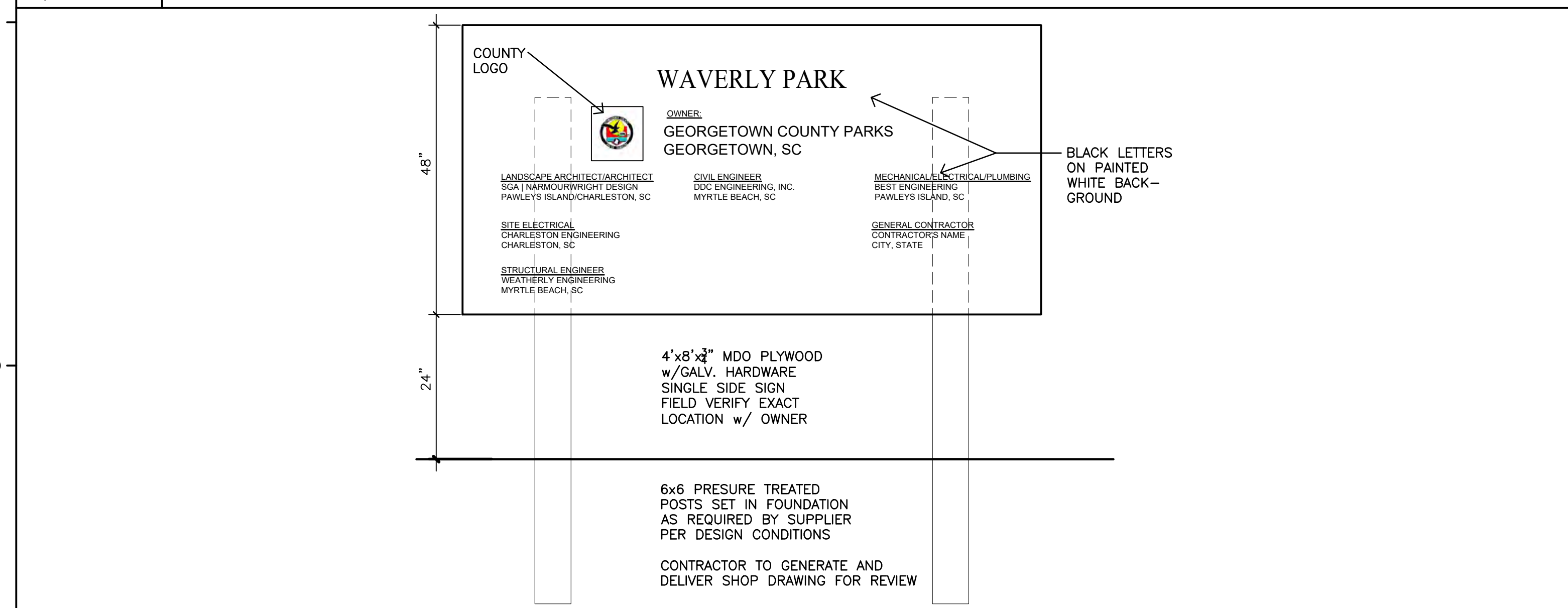
**B3** DIRECTIONAL SIGNAGE

3/4"=1'-0"



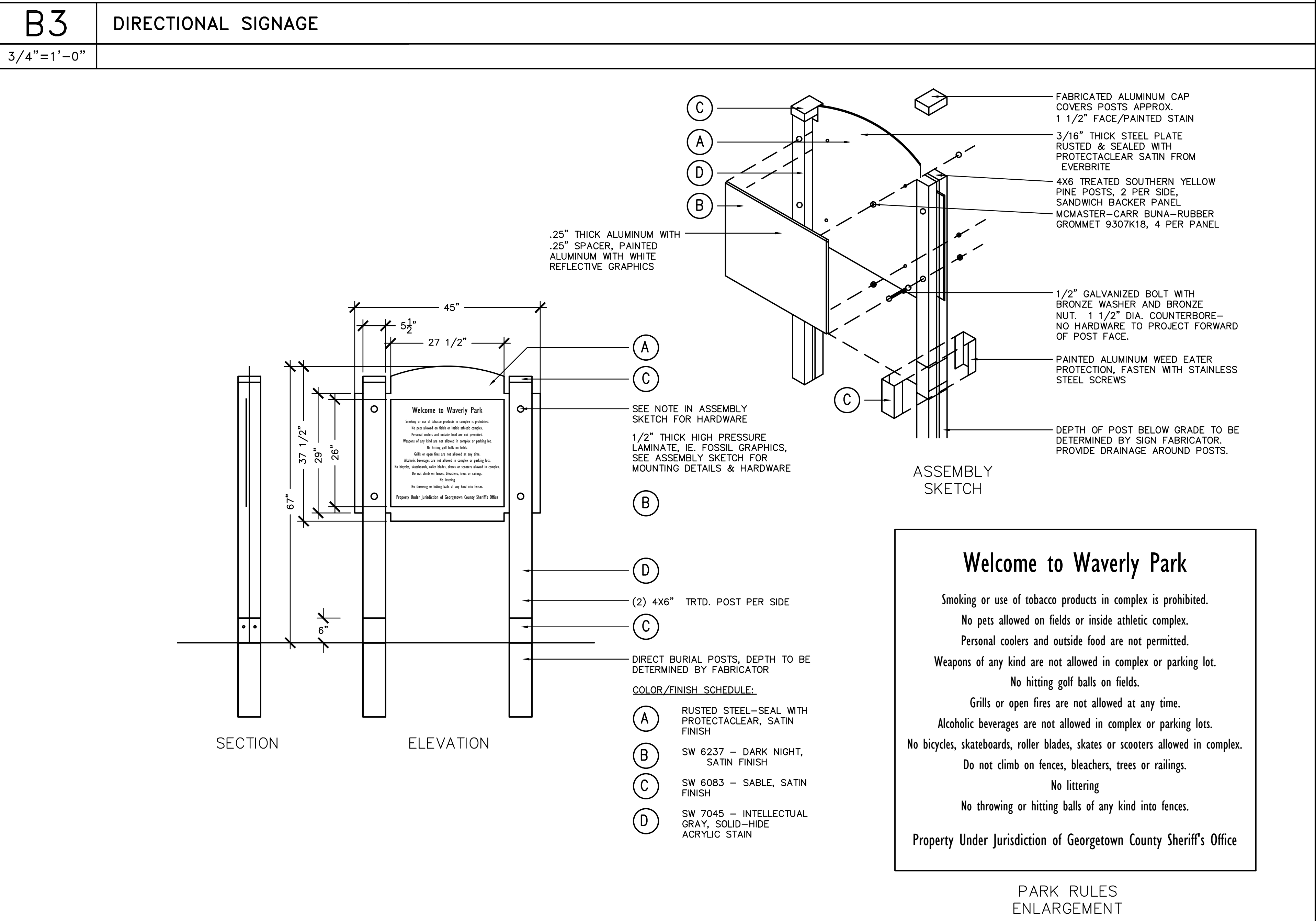
**C1** PARK IDENTIFICATION SIGNAGE

3/4"=1'-0"



**D1** PROJECT IDENTIFICATION SIGN

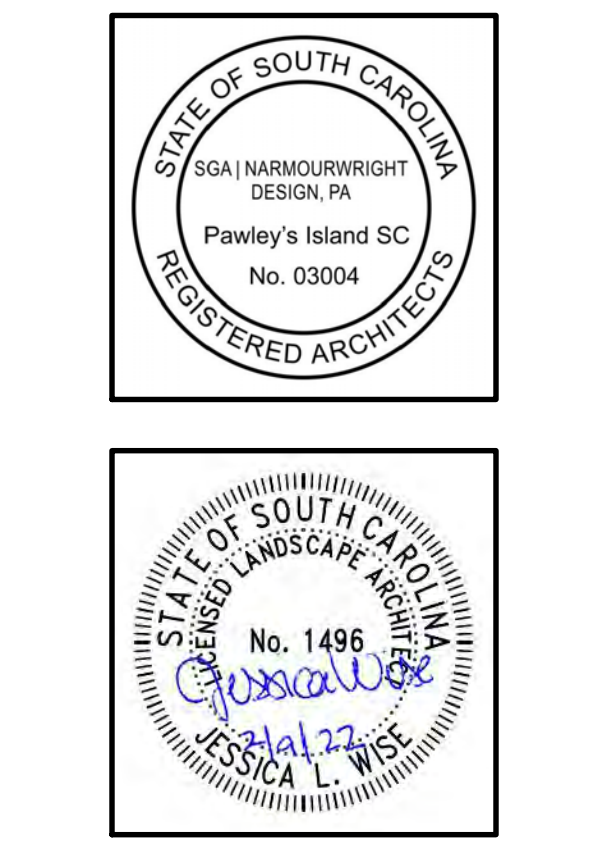
N.T.S.



**D3** PARK RULES SIGNAGE

3/4"=1'-0"

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**Waverly Park**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
 19-004-04  
 ISSUE DATE:  
 2/19/2022  
 DRAWN BY: PW / JW  
 CHECKED BY: PW / JW / MR

Bid Set Revision

Revision Schedule		
#	Description	Date

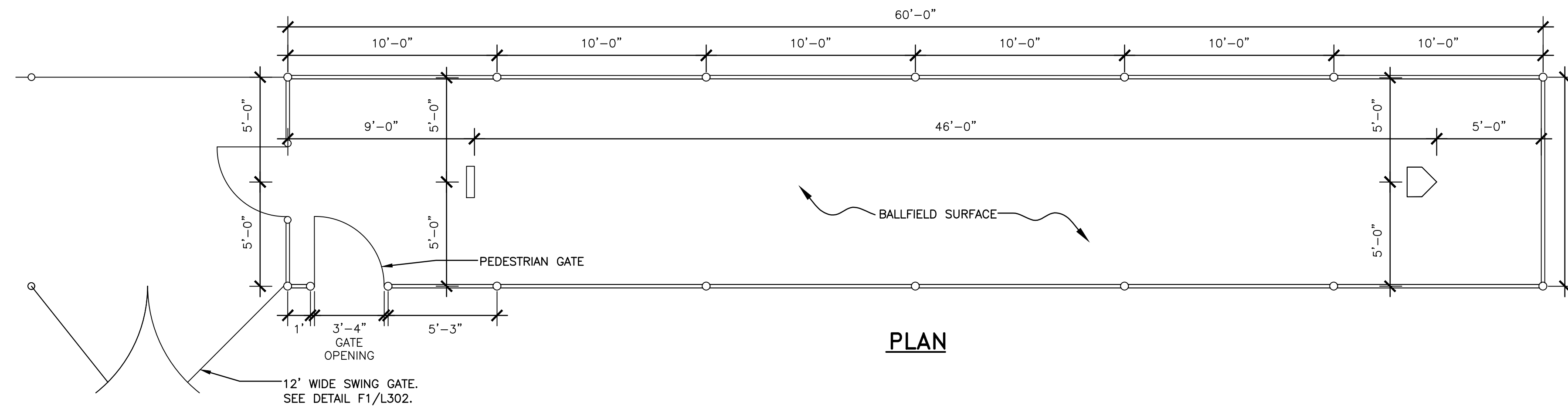
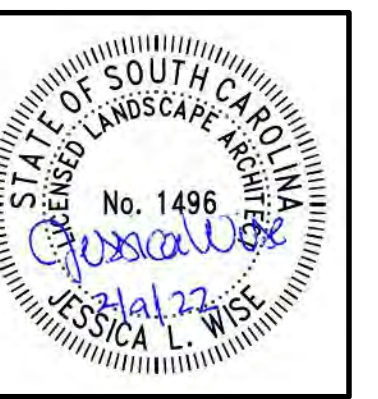
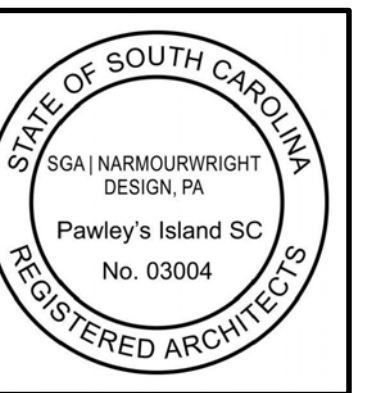
**Welcome to Waverly Park**

Smoking or use of tobacco products in complex is prohibited.  
 No pets allowed on fields or inside athletic complex.  
 Personal coolers and outside food are not permitted.  
 Weapons of any kind are not allowed in complex or parking lot.  
 No hitting golf balls on fields.  
 Grills or open fires are not allowed at any time.  
 Alcoholic beverages are not allowed in complex or parking lots.  
 No bicycles, skateboards, roller blades, skates or scooters allowed in complex.  
 Do not climb on fences, bleachers, trees or railings.  
 No littering  
 No throwing or hitting balls of any kind into fences.

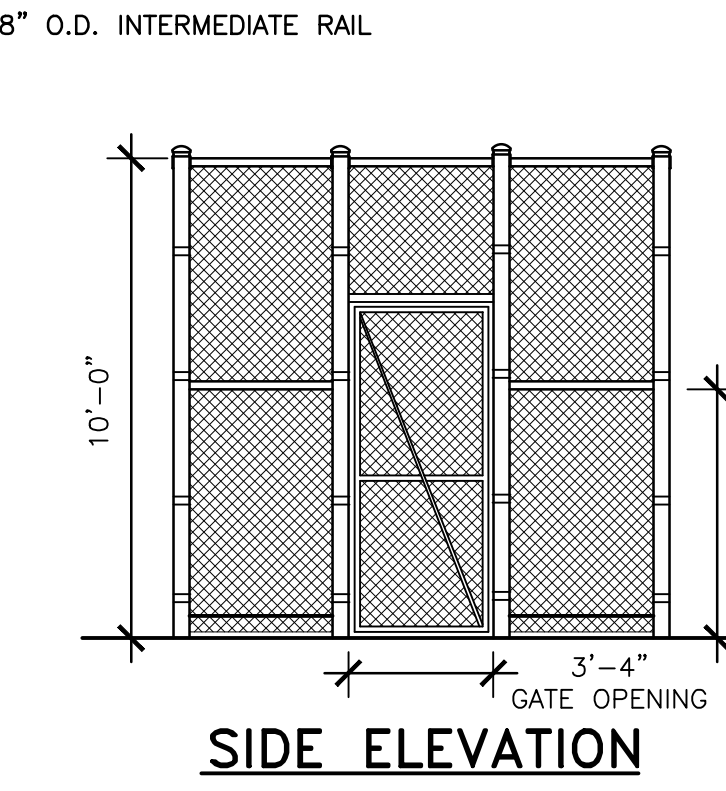
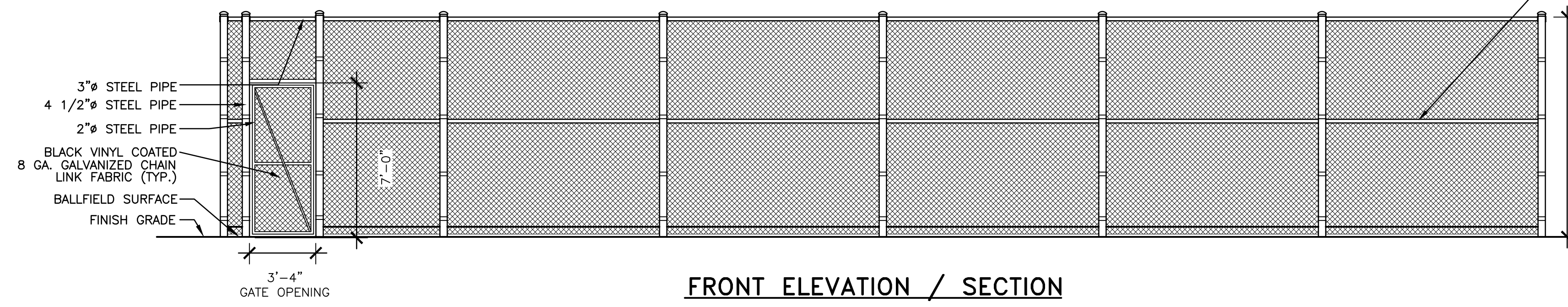
Property Under Jurisdiction of Georgetown County Sheriff's Office

LANDSCAPE  
 CONSTRUCTION  
 DETAILS

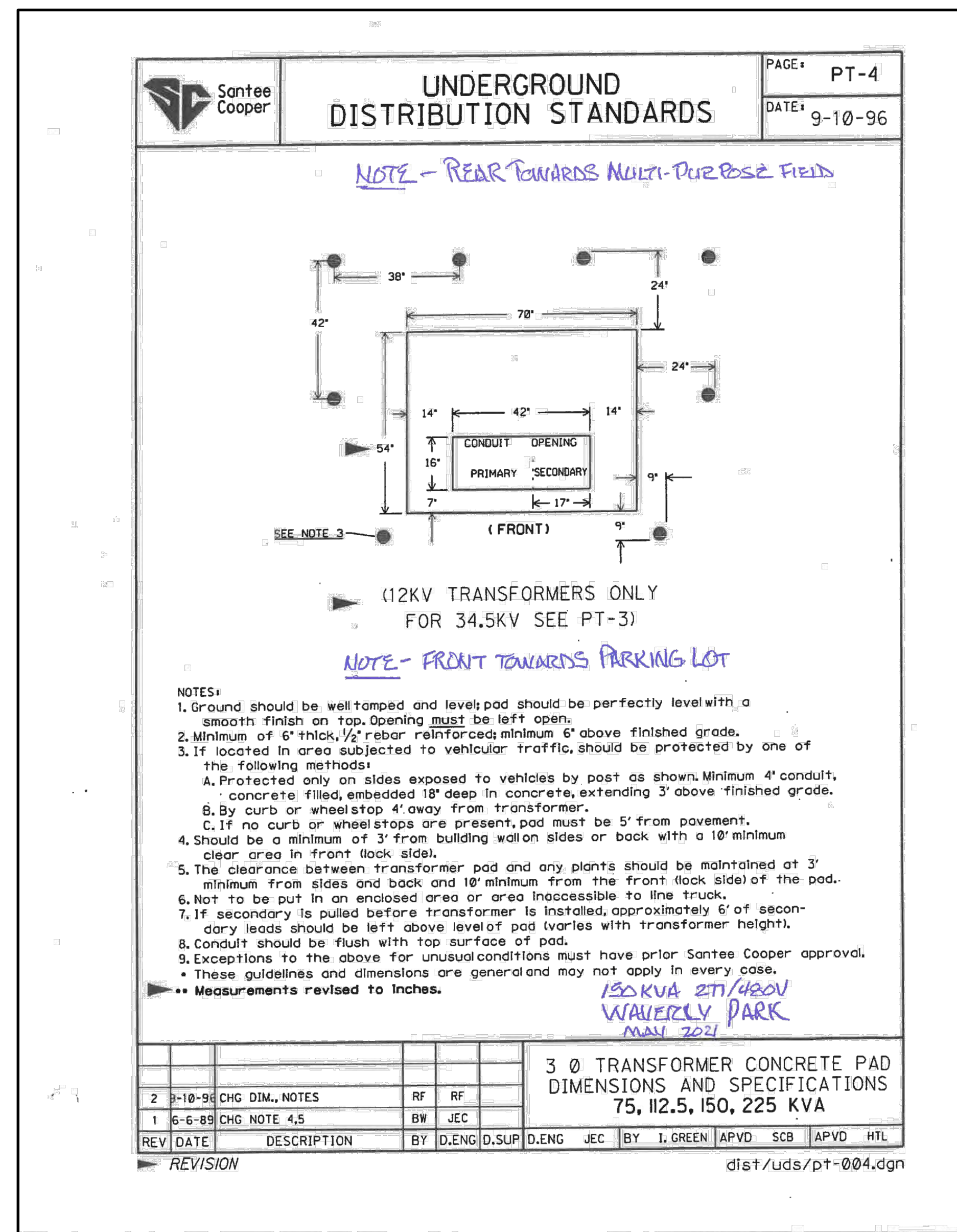
**L303**



- NOTES:**
1. ALL FENCING, RAILS, POSTS AND COMPONENTS SHALL BE VINYL COATED BLACK.
  2. SEE BACKSTOP DETAIL FOR ORIENTATION OF PITCHER'S WARM-UP AREA AND RELATED ENTRANCES.
  3. PRACTICE PITCHING RUBBER AND HOME PLATE OWNER PROVIDED, OWNER INSTALLED.



**C1** PITCHER WARM-UP  
1/4"=1'-0"



**Santee Cooper Approved Meter Base List**

Meter Bases	Milbank	Eaton/Cutler-Hammer	Siemens/Talon	Square-D/GE/Midwest *
200A 1-PH	U3850-XL-TG-HSP-PL U1380-D-HSP (UG Only)	1012135CH	UA1777-XG	1012135
200A 1-PH w/By-Pass 5T	U9551-X-QG-HSP	UTES213UFLCH	40405-025F	UTH5213UFL
200A 3-PH w/By-Pass 7T	U9701-X-QG-HSP	UTE7213UFLCH	40407-025F	UTH7213UFL
320A 1-PH w/By-Pass 5T	U3949-X-HSP	UTH5300FLCH	47605-02FL	UTH5300FL
600A 1-PH K-Base 4T	U4664-XT-9507	CH9507K6	9810-9507	
600A 3-PH K-Base 7T	U4667-XT-9504	CH9504K7	9817-9504	
200A 2-Gang	U1252-X-K1	UTR2332UFLCH	UA2716-ZG or ZGF	UTR2332UFL
200A 3-Gang	U1253-X-K3	UTR2332UFLCH	UA3717-ZG or ZGF	UTR2332UFL
200A 4-Gang	U1254-X-K3	UTR2352UFLCH	UA4719-ZG or ZGF	UTR2352UFL
200A 5-Gang	U1255-X-K3	UTR2392UFLCH	UA5719-MG or MGF	UTR2392UFL
200A 6-Gang	U1256-X-K3	UTR2392UFLCH	UA6719-MG or MGF	UTR2392UFL

\* These item numbers approved for Square-D, GE, and Midwest Electric Products with suffixes SQD, GE, or MEP.

**Meter Packs 2 - 6 Gang and Modular Meter Centers with Breakers**

Siemens/Talon Uni-Pak, PowerMod  
GE Mini Mod III, Meter Mod III  
Eaton/Cutler-Hammer 1-MP Meter Pack, 1-MM Meter Stack  
Square-D MP Meter PAK, EZ Meter PAK

8/6/2019

**C2** SANTEE COOPER TRANSFORMER PAD & APPROVED METER BASE INFORMATION (AS PROVIDED BY SANTEE COOPER)

**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
19-004-04  
ISSUE DATE:  
2/19/2022  
DRAWN BY: PW / JW  
CHECKED BY: PW / JW / MR

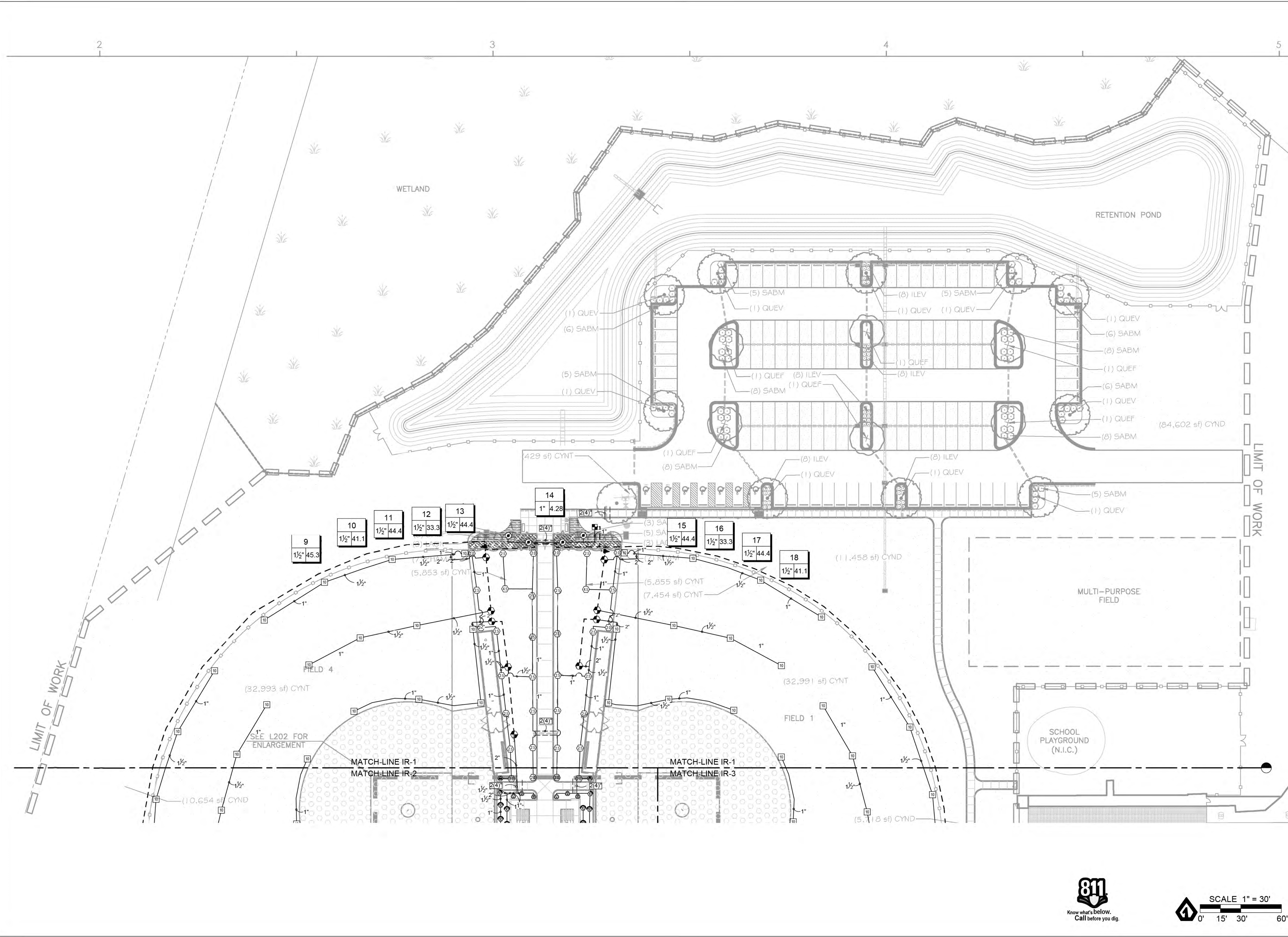
Bid Set Revision

Revision Schedule		
#	Description	Date

LANDSCAPE  
CONSTRUCTION  
DETAILS

**L304**





PROJECT NAME

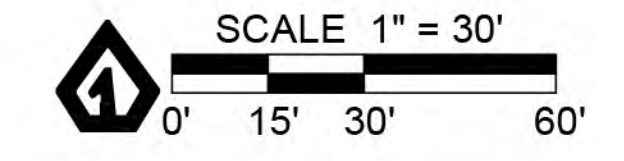
**WAVERLY PARK AT WACCAMAW ELEMENTARY**  
 PAWLEYS ISLAND, SC 29585

Project Title  
**IRRIGATION PLAN**

Project Number: 246927  
 Design Date: 02/09/2022  
 Drawn By: CLC  
 Checked By:  
 Drawing Scale: 1" = 30'

Revisions	Date
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Sheet Number:  
**IR-1**  
 Sheet: 1 OF 3



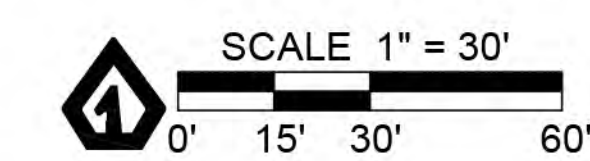
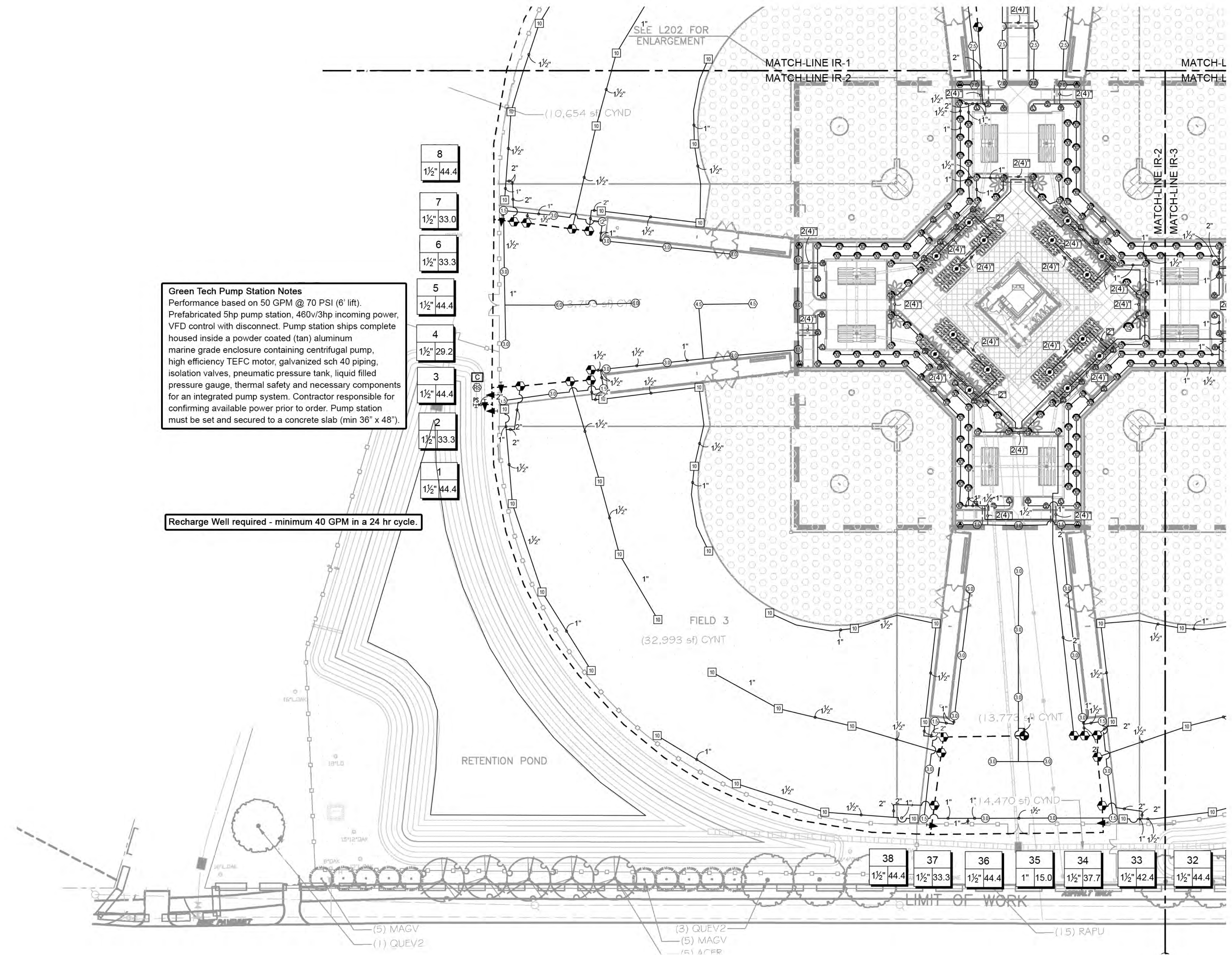
PROJECT NAME  
**WAVERLY PARK AT WACCAMAW ELEMENTARY**  
 PAWLEYS ISLAND, SC 29585

Project Title  
**IRRIGATION PLAN**

Project Number: 246927  
 Design Date: 02/09/2022  
 Drawn By: CLC  
 Checked By:  
 Drawing Scale: 1" = 30'

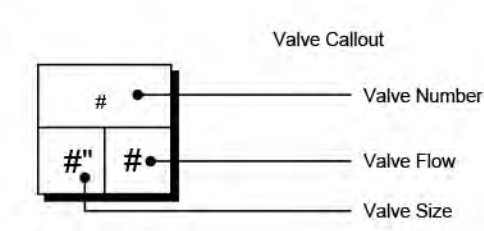
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Sheet Number:  
**IR-2**  
 Sheet: 2 OF 3



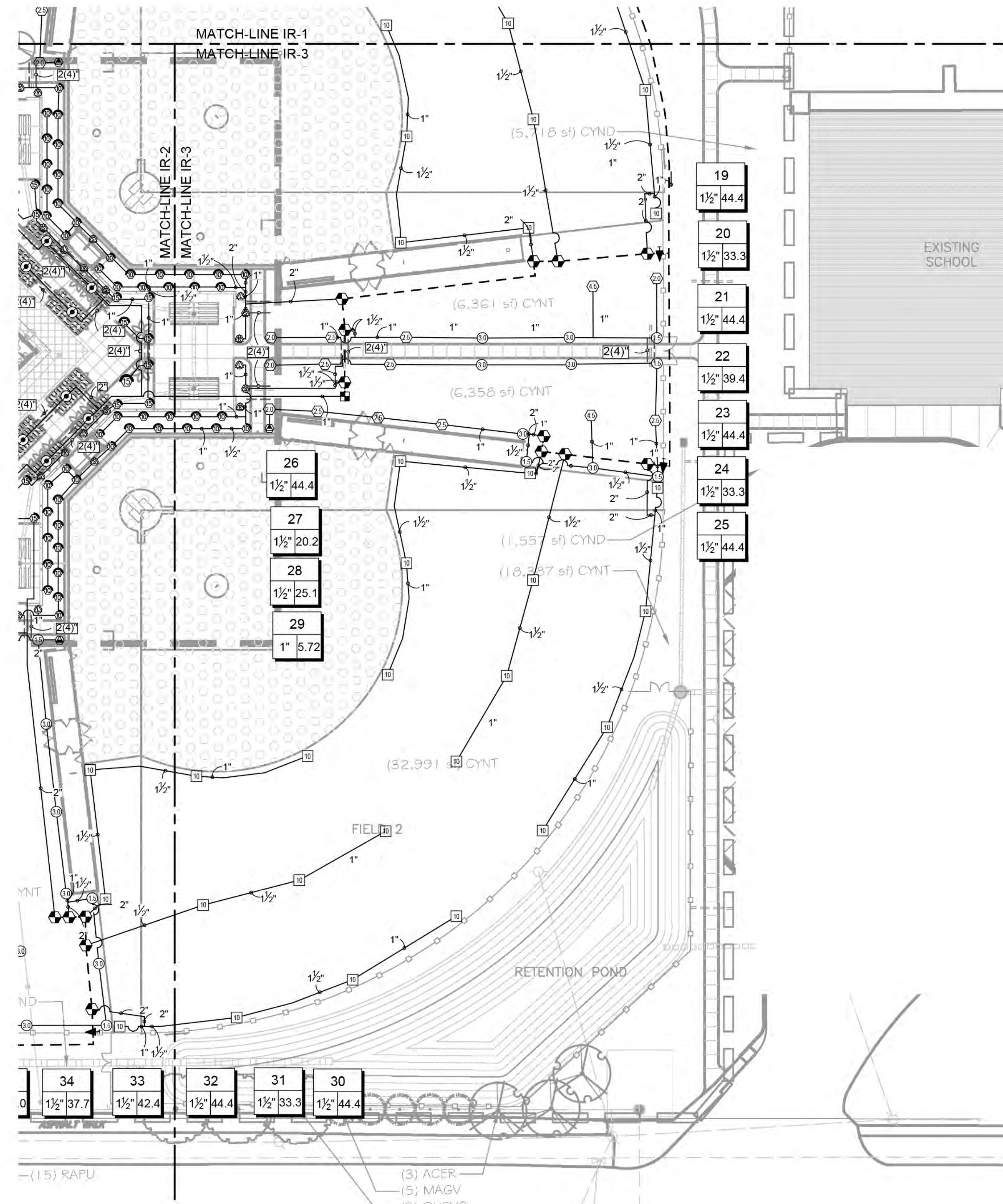
# IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY
	HUNTER PROS-04 SPRAY HEAD 5' STRIP SPRAY	44
	HUNTER PROS-04 SPRAY HEAD 10' RADIUS	98
	HUNTER PROS-04 SPRAY HEAD 15' RADIUS	32
	HUNTER MP STRIP PROS-04 ROTATOR	7
SYMBOL	MANUFACTURER/MODEL	QTY
	HUNTER I-25-04 ROTOR	88
	HUNTER PGP-04 ROTOR	16
	HUNTER PGP-04 ROTOR	33
	HUNTER PGP-04 ROTOR	2
	HUNTER PGP-04-LA ROTOR	14
	HUNTER PGP-04-LA ROTOR	30
	HUNTER PGP-04-LA ROTOR	6
SYMBOL	MANUFACTURER/MODEL	QTY
	HUNTER PCZ-101-40 DRIP VALVE W/ ICD-100 DECODER 1"	2
	PIPE TRANSITION POINT	20
	AREA TO RECEIVE DRIPLINE HUNTER HDL-09-18-PC (24) (GRID PATTERN)	262.3 L.F.
	AREA TO RECEIVE DRIPLINE HUNTER HDL-09-18-PC (SERPENTINE PATTERN)	733.6 L.F.
SYMBOL	MANUFACTURER/MODEL	QTY
	HUNTER PGV-101 ELECTRIC VALVE W/ ICD-100 DECODER 1"	1
	HUNTER PGV-151 ELECTRIC VALVE W/ ICD-100 DECODER 1-1/2"	35
	BALL VALVE (MAINLINE SIZE)	11
	HUNTER ACC2 DECODER CONTROLLER	1
	HUNTER RAIN-CLIK RAIN SENSOR	1
	PUMP STATION	1
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	6,430 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/2"	3,017 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 2"	605.5 L.F.
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 2"	2,409 L.F.
	PIPE SLEEVE: PVC SCHEDULE 40 4"	600.0 L.F.



## IRRIGATION NOTES

- IRRIGATION SYSTEM DESIGN BASED ON 50 GPM AT 75 PSI.
- 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) FURNISHED BY OTHERS.
- 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 ON THE LEGEND PRIOR TO INSTALLATION.
- THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
- ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL AND PLUMBING CODES.
- IRRIGATION CONTRACTOR WILL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED. ALL WIRING TO BE PER LOCAL CODE. BACKFLOW PREVENTION PER LOCAL CODE.
- LOCATION OF IRRIGATION COMPONENTS SHOWN ON DRAWINGS IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY SLIGHTLY AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE.
- ALL SPRINKLER HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISH GRADES, EXCEPT AS OTHERWISE INDICATED.
- INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERAL WITH A MINIMUM 12" OF COVER BASED ON FINISH GRADES.
- PIPE LOCATIONS ARE DIAGRAMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
- THE IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED.
- ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTORS AND BE IN A VALVE OR SPLICE BOX.
- ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 2-WIRE, UL APPROVED DIRECT BURY.
- SURGE PROTECTION TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
- 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 LANDSCAPE SUPPLY BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR INSTALLATION THAT ARISE DUE TO INACCURACIES IN THE ABOVE REFERENCED INFORMATION SUPPLIED TO SITEONE LANDSCAPE SUPPLY IN RELATION TO THIS PROJECT, UNLESS OTHERWISE NOTED.



## REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
	PIPING AND EQUIPMENT SHOWN TO THE SIDE FOR CLARITY



www.projects.services.siteone.com

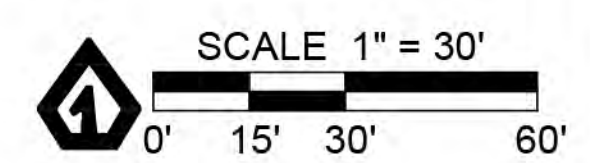
PROJECT NAME  
**WAVERLY PARK AT WACCAMAW ELEMENTARY**  
 PAWLEYS ISLAND, SC 29585

Project Title  
**IRRIGATION PLAN**

Project Number: 246927  
 Design Date: 02/09/2022  
 Drawn By: CLC  
 Checked By:  
 Drawing Scale: 1" = 30'

Revisions	Date
1	
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3	
4	
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Sheet Number:  
**IR-3**  
 Sheet: 3 OF 3



Pole	x-loc	y-loc	height	Elite N	Elite M	Elite W	Elite EW	Total	kw
A1	30	-62	60ft	1	1	2		4	3.9
A2	-62	30	60ft	1	1	2		4	3.9
B1	230	-10	70ft	1	6		1	8	7.7
B2	-10	230	70ft	1	6		1	8	7.7
Total				4	14	4	2	24	23.2

**ELECTRICAL NOTES**

1. LIGHTING OF FIELD MUST MEET MINIMUM OF INDICATED PHOTOMETRICS FOR EACH FIELD. PHOTOMETRICS ARE BASED ON GEOSPORT LED LIGHTING FIXTURES. SIMILAR LIGHTING FIXTURES MANUFACTURED BY HUBBLE OR MUSCO MEETING EQUAL PHOTOMETRICS WOULD BE CONSIDERED AS EQUALS.

225' Baseball  
119 points (25 infield, 94 outfield) at z=3, sp 20ft by 20ft  
HORIZONTAL FOOTCANDLES

	Outfield	Infield
Average	33	55
Maximum	39	63
Minimum	26	49
AvgMin	1.29	1.13
MaxMin	1.50	1.29
Coef Var	0.10	0.07
UnifGrad	1.28	1.20

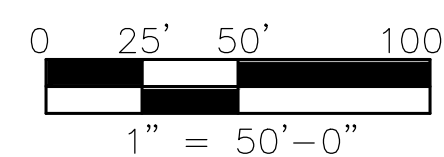
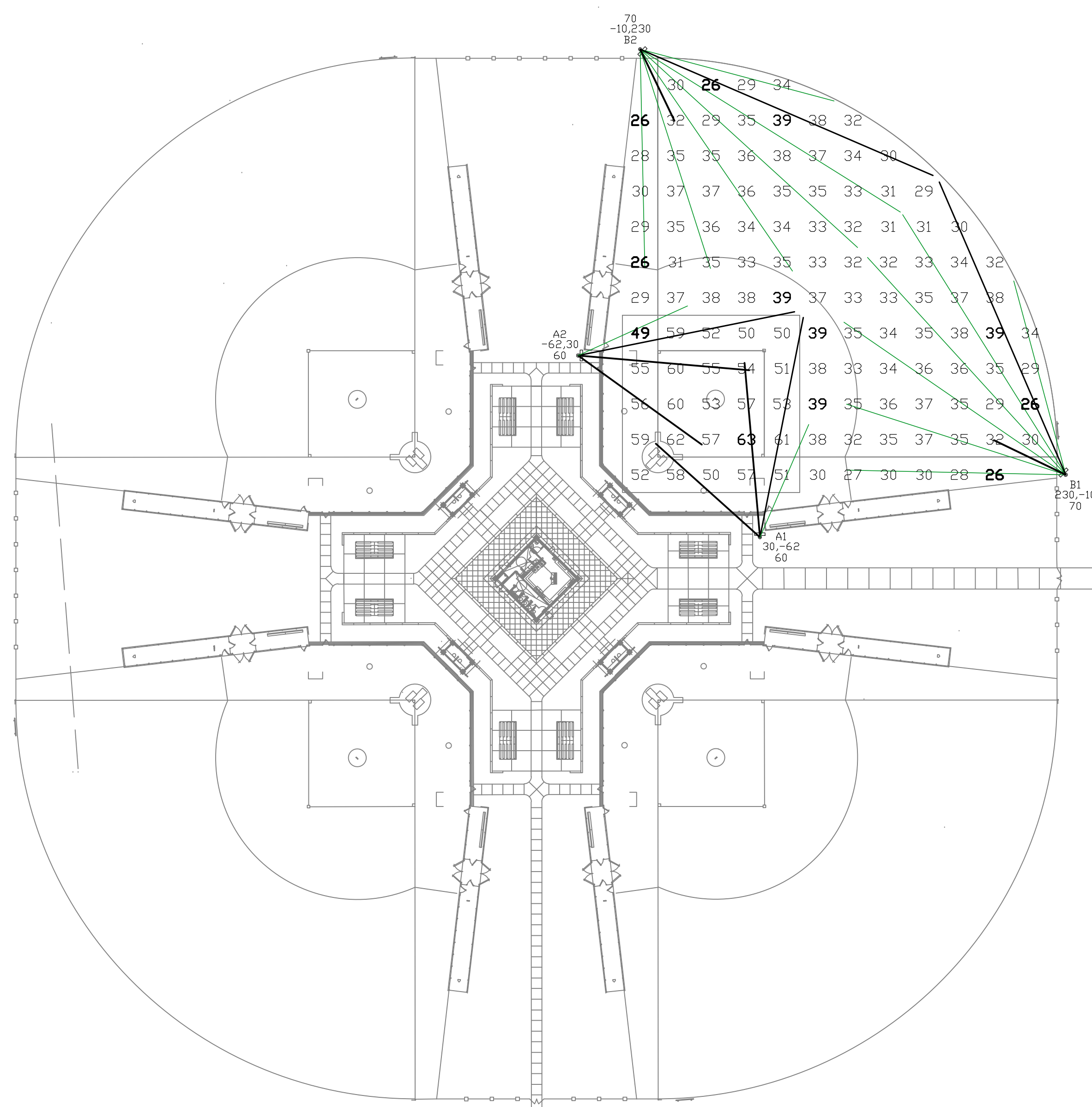
Elite EW  
GeoSport Elite LED 1000W  
Light Loss Factor = 0.950  
Watts per luminaire = 970  
Number luminaires used = 2  
kw these luminaires = 1.9

Elite W  
GeoSport Elite LED 1000W  
Light Loss Factor = 0.950  
Watts per luminaire = 976  
Number luminaires used = 4  
kw these luminaires = 3.9

Elite M  
GeoSport Elite LED 1000W  
Light Loss Factor = 0.950  
Watts per luminaire = 965  
Number luminaires used = 14  
kw these luminaires = 13.5

Elite N  
GeoSport Elite LED 1000W  
Light Loss Factor = 0.950  
Watts per luminaire = 957  
Number luminaires used = 4  
kw these luminaires = 3.8

TYPICAL OF ALL 4 FIELDS

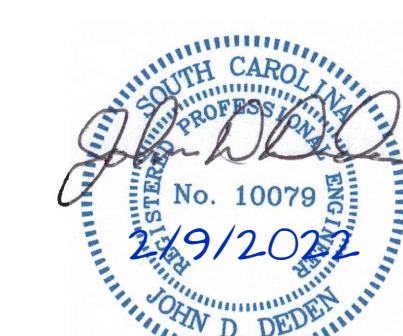
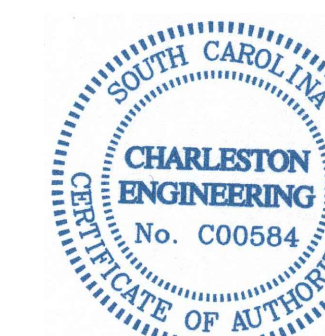


**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
2028  
ISSUE DATE:  
2/9/2022  
DRAWN BY: HARVEY  
CHECKED BY: DEDEN

BID SET REVISION

Revision Schedule		
#	Description	Date



PHOTOMETRIC  
PLAN

**ES000**

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**ELECTRICAL NOTES**

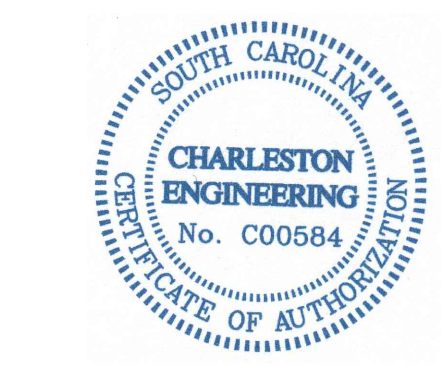
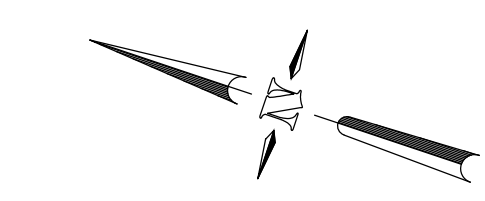
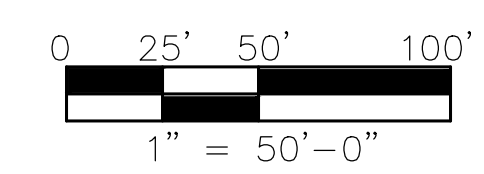
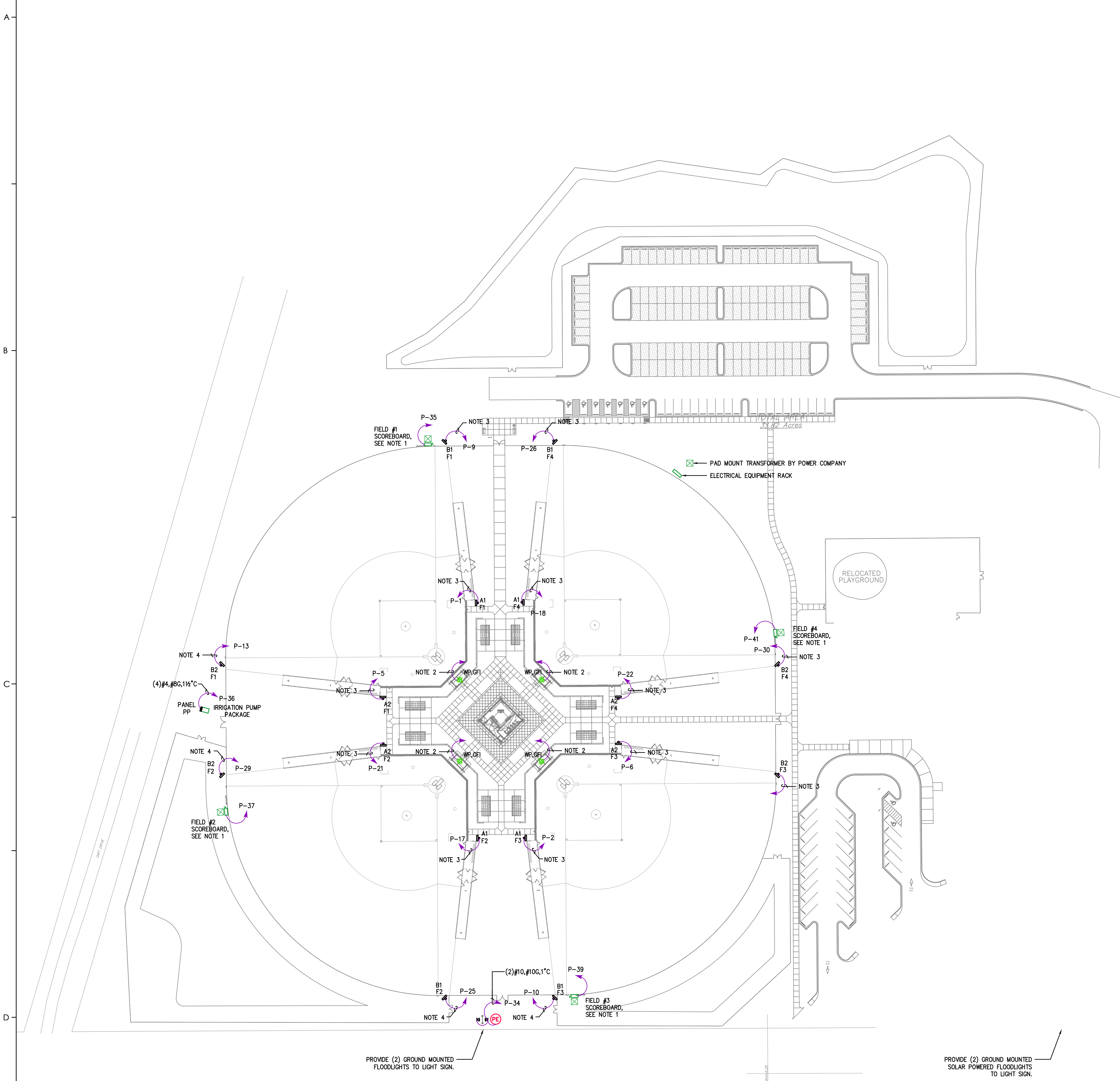
1. PROVIDE 2 KVA, NEMA 4X, 277 - 120 VOLT TRANSFORMER MOUNTED ON BACK OF SCOREBOARD. PROVIDE NEMA 3R, SINGLE POLE, 30 AMP DISCONNECT SWITCH AHEAD OF TRANSFORMER AND HOMERUN (2) #10, #10 GROUND IN 1 1/2" CONDUIT TO PANEL P. CONNECT SCOREBOARD PER MANUFACTURER'S RECOMMENDATIONS. DATA TO SCOREBOARD IS WIRELESS.
2. PROVIDE GFI, WEATHERPROOF CONVENIENCE QUAD RECEPTACLE AT BACKSTOP FOR SCOREBOARD CONTROLLER. HOMERUN WITH (2) #10, #10 GROUND IN 1" CONDUIT TO SINGLE POLE 20 AMP CIRCUIT BREAKER IN 120/240 VOLT PANEL LOCATED IN CONCESSION BUILDING. EXACT LOCATION TO BE DETERMINED BY ARCHITECT.
3. HOMERUN WITH (2) #10, #10 GROUND IN 1 1/2" CONDUIT.
4. HOMERUN WITH (2) #8, #10 GROUND IN 1 1/2" CONDUIT.
5. PROVIDE SCOREBOARD. SCOREBOARD SHALL BE BY ELECTRO-MECH SCOREBOARD COMPANY MODEL LX1050 (6'X3') WITH BUILT-IN ID PANEL & SL-400 WIRELESS CONTROL SYSTEM. MOUNT SCOREBOARD PER MANUFACTURER'S RECOMMENDATIONS. SALES REP CONTACT IS JOHN BRAECKELAERE, (800)-445-7846
6. PROVIDE CONTROL WIRING FROM CONTROL PANEL TO 4 SWITCHES (ONE FOR EACH FIELD) TO BE LOCATED IN CONCESSION BUILDING. PROVIDE LABEL FOR EACH SWITCH.
7. FIELD LIGHTS SHALL BE MOUNTED ON 70' (POLE A) AND 80' (POLE B) WOOD POLES SET 10' IN GROUND. PROVIDE ALTERNATE BID FOR CONCRETE POLES.

**EMERGENCY LIGHTING FOR BLEACHERS**

1. PROVIDE A FLOODLIGHT EQUAL TO ORACLE LIGHTING MODEL OFL-302-LED ON EACH OF THE EIGHT TYPE A LIGHTING POLES. MOUNT FLOODLIGHTS AT 20' AFG AND AIM AT BLEACHERS.
2. CONNECT ALL EIGHT FLOODLIGHTS TOGETHER WITH (2) #10, #10 GROUND IN 1" CONDUIT. HOMERUN CONDUIT TO PANEL P VIA EMERGENCY LIGHTING INVERTER MOUNTED NEXT TO PANEL. CONNECT INVERTER TO CIRCUIT P-42.
3. INVERTER SHALL BE EQUAL TO IOTA MODEL IISC 1000 277IN 277OUT. MOUNT IN NEMA 4 ENCLOSURE WITH FAN VENTILATION.
4. EMERGENCY FLOOD LIGHT WILL REMAIN OFF AT ALL TIMES EXCEPT FOR THE LOSE OF POWER AT PANEL P.

**DIRECTIONAL SIGN LIGHTING**

PROVIDE SOLAR POWERED LIGHTING SYSTEM WITH GROUND MOUNTED LIGHT FIXTURE ON BOTH SIDES OF DIRECTIONAL SIGN. LIGHTING SYSTEM SHALL BE EQUAL TO SP-1 LIGHTING MODEL SP-1-SP-30 30 WATT SOLAR WITH (2) SP-800-7N FIXTURES. SEE CIVIL DRAWINGS FOR LOCATION OF DIRECTIONAL SIGN.



**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER:  
2028  
ISSUE DATE:  
2/9/2022  
DRAWN BY: HARVEY  
CHECKED BY: DEDEN

BID SET REVISION

Revision Schedule		
#	Description	Date

ELECTRICAL SITE PLAN

**ES100**

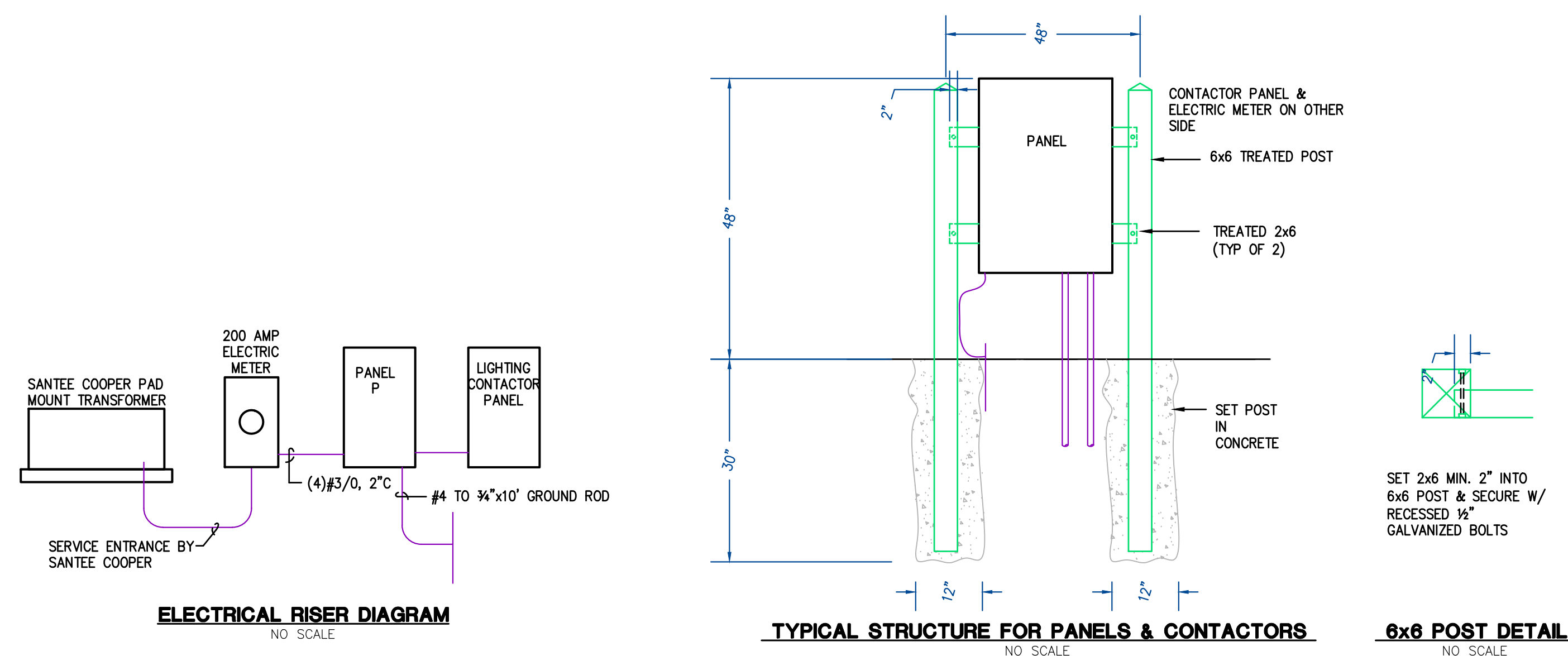
**ELECTRICAL SPECIFICATIONS**

**PART 1 - GENERAL**

- 1.01 SCOPE:
- A. FURNISH AND INSTALL A COMPLETELY WIRED AND OPERATIONAL ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING BUT NOT LIMITED TO THESE MAJOR ITEMS:
1. LIGHTING FIXTURES AS INDICATED AND SPECIFIED ON PLANS.
  2. ELECTRICAL PANELS, CONTROLS, SERVICE, DISCONNECTS, CONDUIT, WIRING, ETC., FOR ALL OUTLETS AND EQUIPMENT.
- 1.02 CODES, REGULATIONS AND STANDARDS:
- A. THE INSTALLATION SHALL COMPLY WITH APPLICABLE LOCAL AND STATE CODES AND ORDINANCES, INCLUDING THE REGULATIONS OF THE FOLLOWING:
1. AMERICANS WITH DISABILITIES ACT -- 1990 W/ 2008 AMENDMENT
  2. INTERNATIONAL BUILDING CODE -- 2018
  3. NATIONAL ELECTRIC CODE -- 2017
  4. LOCAL BUILDING CODES AND ORDINANCES
- B. THE FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS ARE ALSO MINIMUM REQUIREMENTS:
1. THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION STANDARDS (NEMA).
  2. THE MANUFACTURER'S RECOMMENDATION.
  3. UNDERWRITER LABORATORIES INCORPORATED STANDARDS (UL).
  4. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
- 1.03 PERMITS
- A. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTION FEES.
- 1.04 INSPECTION OF SITE:
- A. PRIOR TO SUBMITTING A BID, VISIT THE SITE OF THE PROPOSED CONSTRUCTION TO BECOME THOROUGHLY ACQUAINTED WITH EXISTING UTILITIES, WORKING CONDITIONS, ETC. ALLOWANCE WILL NOT BE MADE FOR NONCOMPLIANCE WITH THIS CONDITION AFTER BIDDING.
- 1.05 CLEAN-UP:
- A. KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL, OR RUBBISH CAUSED BY EMPLOYEES OR WORK UNDER THIS DIVISION OF THE SPECIFICATION. AT THE COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS, TOOLS, ETC., AND LEAVE THE PREMISES "BROOM-CLEAN". REMOVE ALL TEMPORARY WIRING UPON PROJECT COMPLETION.
- 1.06 DRAWINGS:
- THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK. DATA PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ALL ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING BEFORE THE DATE OF BID OPENING. IF DISCREPANCIES ARE NOT REPORTED, ID THE GREATER QUANTITY OR BETTER QUALITY, AND APPROPRIATE ADJUSTMENTS WILL BE MADE AFTER CONTRACT AWARD.
- 1.07 COORDINATION WITH OTHER TRADES:
- A. COOPERATE WITH OTHER TRADES SO THAT INSTALLATION OF ELECTRICAL OUTLETS AND EQUIPMENT WILL BE PROPERLY COORDINATED. CHECK CONDUIT, FIXTURE, AND OTHER EQUIPMENT LOCATIONS WITH THE OTHER TRADES TO AVOID CONFLICT.
- 1.08 UTILITY COMPANIES
- A. COORDINATE ALL INCOMING SERVICES WITH RESPECTIVE UTILITY COMPANIES. INCLUDE ALL CHARGES IN BID.

**PART 2 - PRODUCTS AND EXECUTION**

- 2.01 MATERIALS:
- A. ALL MATERIAL SHALL BE NEW AND OF QUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS AND MUST CARRY THE UNDERWRITER'S LABORATORIES APPROVAL COVERING THE PURPOSE FOR WHICH THEY ARE USED, IN ADDITION TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE CODES AND REGULATIONS.
- 2.02 CONDUIT:
- A. USE SCHEDULE 80 PVC WHERE EXPOSED AND TO 24" BELOW GRADE. CONDUIT BELOW 24" MAY BE SCHEDULE 40 PVC.
- B. ALL EMPTY CONDUIT SYSTEMS SHALL HAVE 200 LB. TEST PULL CORD TO FACILITATE INSTALLATION OF FUTURE WIRE..
- 2.03 CONDUCTORS:
- A. UNLESS OTHERWISE SPECIFIED, ALL WIRE SHALL BE TYPE THW, THWN OR XHHW COPPER. THE WIRES SHALL BE COLOR CODED INDICATING PHASE & VOLTAGE. UNLESS OTHERWISE REQUIRED BY LOCAL ORDINANCES, GROUND WIRES SHALL BE GREEN, NEUTRAL WIRES WRES SHALL BE WHITE. CONDUCTORS SHALL BE #12 AWG, UNLESS OTHERWISE INDICATED.
- B. DO NOT INSTALL CONDUCTORS UNTIL CONDUIT SYSTEM IS COMPLETE. USE MINERALAC #100 OR EQUIVALENT AS A LUBRICANT TO FACILITATE THE INSTALLATION OF THE CONDUCTORS IN THE CONDUIT SYSTEM.
- C. ALL BRANCH CIRCUITS SHALL CONTAIN A GROUND CONDUCTOR. ALL 3 PH BRANCH CIRCUITS SHALL CONSIST OF 3 PHASE CONDUCTORS AND GROUND CONDUCTOR. WHEN TWO OR THREE SINGLE PHASE CIRCUITS ARE SHOWN TO BE COMBINED, THESE CIRCUITS MAY SHARE A SINGLE NEUTRAL.
- 2.04 WIRING DEVICES:
- A. 20A, 125 VOLT, IVORY COLOR. SPECIFICATION GRADE.
- 2.05 PANELBOARDS:
- A. PROVIDE BRANCH CIRCUIT PANELBOARD(S) AS SHOWN ON DRAWINGS AND AS SPECIFIED HEREIN. PROVIDE TIN-PLATED ALUMINUM BUS BARS. MULTIPLE POLE BREAKERS SHALL HAVE HANDLE TIES SO ALL POLES ACT SIMULTANEOUSLY. MAIN BREAKER SHALL BE CENTER MOUNTED. EQUIPMENT RATINGS SHALL EXCEED AVAILABLE FAULT CURRENT (PANELS MAY BE SERIES FAULT RATED). PROVIDE TYPED CIRCUIT DIRECTORY UNDER PLASTIC COVER IN EACH PANEL DOOR. CIRCUIT BREAKERS SHALL BE SWITCH RATED BOLT-ON TYPE. BALANCE FINAL LOADS WITHIN 10% OF ALL THREE PHASES. MOUNT PANELS 6"-6" TO TOP.
- 2.06 LIGHTING FIXTURES:
- A. PROVIDE LIGHTING FIXTURES, COORDINATE PROCUREMENT OF THESE FIXTURES WITH OWNER'S REPRESENTATIVE IN A TIMELY MANNER TO MEET JOB SCHEDULES. REMOVE, UNCRATE, INSPECT, STORE AND PROTECT ALL MATERIAL. INSTALL AND LAMP FIXTURES AS NOTED ON DRAWINGS.
- B. SUBMIT ALL LIGHTING FIXTURES TO OWNER FOR APPROVAL.
- 2.08 LABELING
- A. PROVIDE NAMEPLATES TO IDENTIFY PANELBOARDS, DISCONNECT SWITCHES, STARTERS, AND OTHER MAJOR EQUIPMENT.
- 2.09 GUARANTEE
- A. GUARANTEE ALL MATERIAL FURNISHED AND ALL WORKMANSHIP PERFORMED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIAL FURNISHED AS PART OF THIS SECTION OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE CORRECTED AT NO EXPENSE TO THE OWNER.
- 2.10 CONDITIONS PRECEDENT TO FINAL ACCEPTANCE:
- A. UPON COMPLETION OF PROJECT, PREPARE AND SUBMIT ONE COMPLETE SET OF ELECTRICAL RECORD DRAWING OF "AS-BUILT" CONDITIONS SHOWING ALL WIRING AS ACTUALLY INSTALLED. PRINTS SHALL ALSO SHOW, AS INDICATED BY MARKED-UP NOTATIONS, ALL DEVIATIONS AND CHANGES OF WIRING AND CIRCUIT NUMBER FROM THE ORIGINAL CONTRACT DRAWINGS.



**PANEL SCHEDULE P**

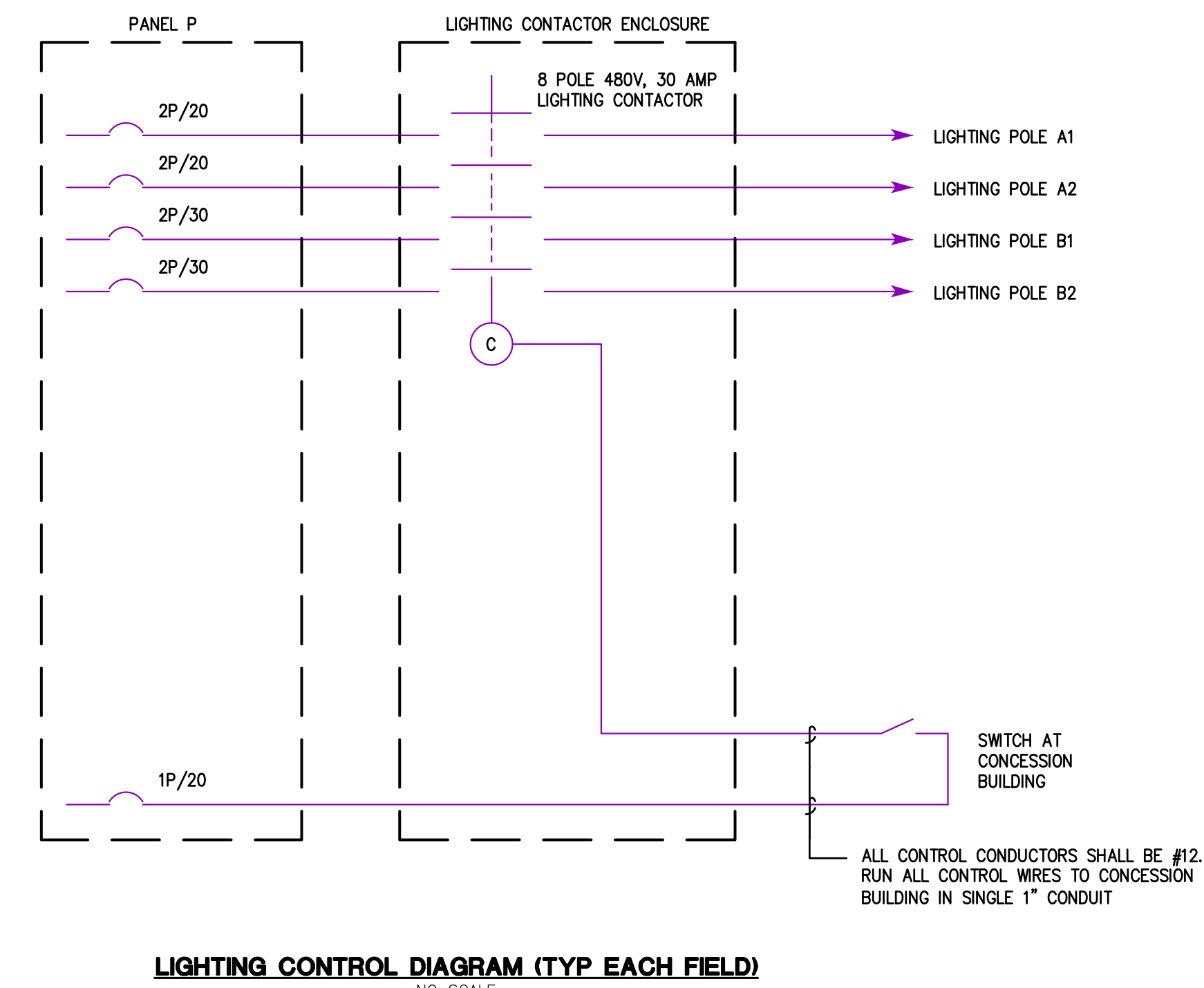
277480 VOLT, 3 PHASE, 4 WIRE, 22,000 AIC, 200 A MAIN CIRCUIT BREAKER

CKT	DESCRIPTION	VA	TRIP	KVA			TRIP	VA	DESCRIPTION	CKT	
				A	B	C					
1	FIELD #1 POLE A1	1950	20/2	3.90			20/2	1950	FIELD #3 POLE A1	2	
3	--	1950	--		3.90		--	1950	--	4	
5	FIELD #1 POLE A2	1950	20/2			3.90	20/2	1950	FIELD #3 POLE A2	6	
7	--	1950	--	3.90			--	1950	--	8	
9	FIELD #1 POLE B1	3850	30/2		7.70		30/2	3850	FIELD #3 POLE B1	10	
11	--	3850	--			7.70	--	3850	--	12	
13	FIELD #1 POLE B2	3850	30/2	7.70			30/2	3850	FIELD #3 POLE B2	14	
15	--	3850	--		7.70		--	3850	--	16	
17	FIELD #2 POLE A1	1950	20/2			3.90	20/2	1950	FIELD #4 POLE A1	18	
19	--	1950	--	3.90			--	1950	--	20	
21	FIELD #2 POLE A2	1950	20/2			3.90	20/2	1950	FIELD #4 POLE A2	22	
23	--	1950	--			3.90	--	1950	--	24	
25	FIELD #2 POLE B1	3850	30/2	7.70			30/2	3850	FIELD #4 POLE B1	26	
27	--	3850	--		7.70		--	3850	--	28	
29	FIELD #2 POLE B2	3850	30/2			7.70	30/2	3850	FIELD #4 POLE B2	30	
31	--	3850	--	7.70			--	3850	--	32	
33	CONTROL POWER	100	15/1		0.20		20/1	100	SIGN FLOOD LIGHT	34	
35	FIELD #1 SCORE BOARD	100	15/1			1.77			PANEL PP	36	
37	FIELD #2 SCORE BOARD	100	15/1	1.77				1666	--	38	
39	FIELD #3 SCORE BOARD	100	15/1		1.77			1666	--	40	
41	FIELD #4 SCORE BOARD	100	15/1			0.10	20/1	700	EMERGENCY LIGHTING	42	
TOTAL CONNECTED KVA				98							
TOTAL CONNECTED AMPS				118							

**PANEL SCHEDULE PP**

277480 VOLT, 3 PHASE, 4 WIRE, 22,000 AIC, 60 A MAIN LUGS ONLY

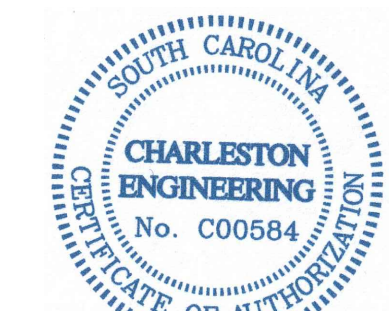
CKT	DESCRIPTION	VA	TRIP	KVA			TRIP	VA	DESCRIPTION	CKT	
				A	B	C					
1	IRRIGATION PUMP	1650	15/3	3.90			15/3	1950	WELL PUMP	2	
3	--	1950	--		3.90		--	1950	--	4	
5	--	1950	--			3.90	--	1950	--	6	
7	SPACE								SPACE	8	
9	SPACE								SPACE	10	
11	SPACE								SPACE	12	
TOTAL CONNECTED KVA				12							
TOTAL CONNECTED AMPS				14							



**LIGHTING CONTROL DIAGRAM (TYP EACH FIELD)**

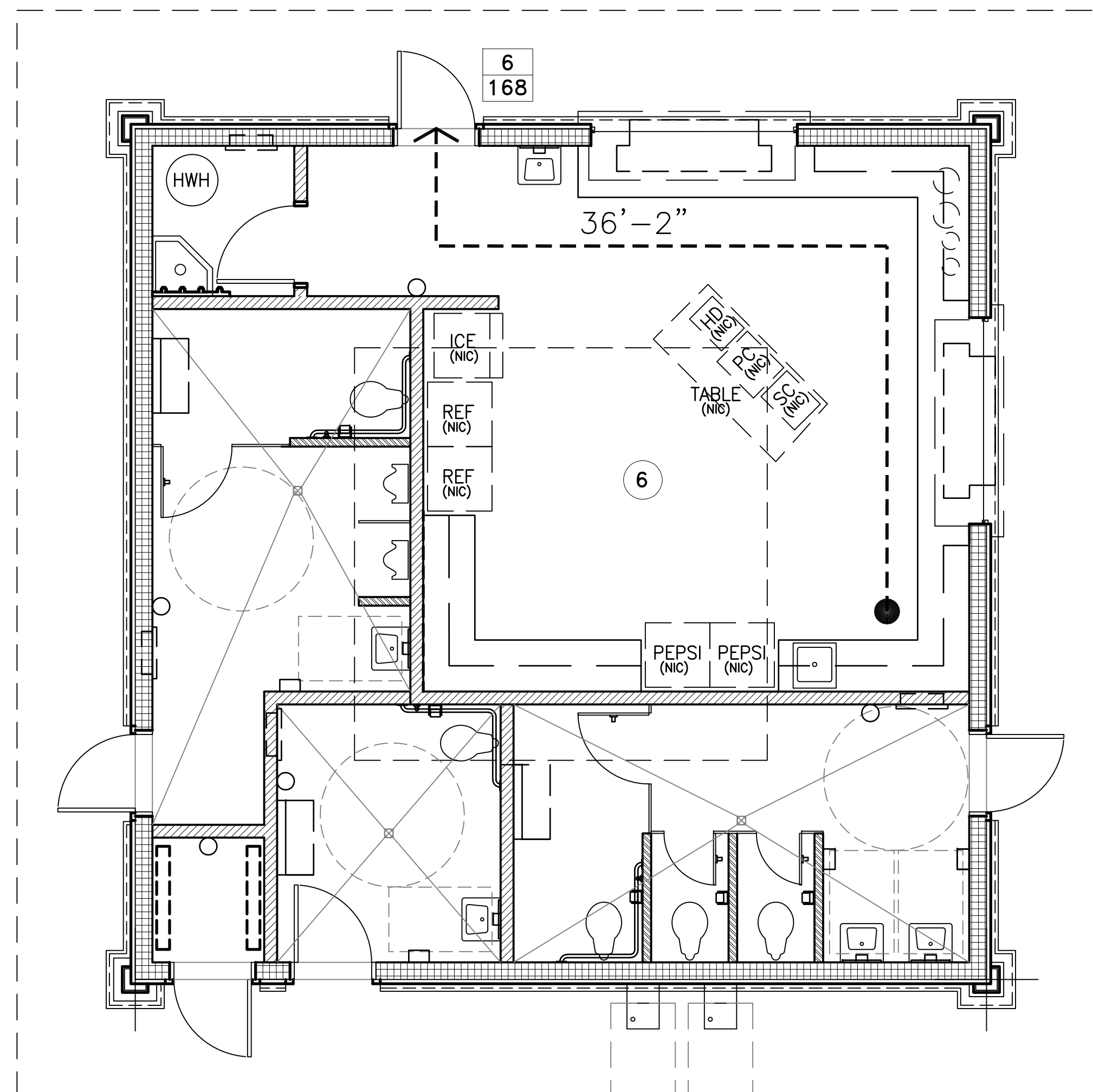
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Revision Schedule		
#	Description	Date



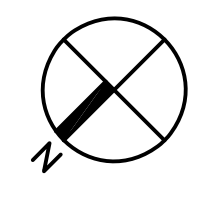
CODE ANALYSIS

CODE ITEM	DESCRIPTION	2018 IBC CODE REFERENCE
OCCUPANCY CLASSIFICATION	A5	CHAPTER 3 - SECTION 304
TYPE OF CONSTRUCTION	TYPE VB NON-SPRINKLERED	CHAPTER 6 - SECTION 602.5
GENERAL HEIGHT AND BUILDING AREA	CHAPTER 5 TABLE 503	
ALLOWABLE AREA	9,000 SF	ALLOWABLE HEIGHT (FEET) 40'
ACTUAL AREA	1,112 SF	ACTUAL HEIGHT (STORIES) 2
AREA MODIFICATIONS	N.A.	CHAPTER 5 - SECTION 506
HEIGHT MODIFICATIONS	N.A.	CHAPTER 5 - SECTION 504
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS		
CHAPTER 6 - TABLE 601		
BUILDING ELEMENT	RATING (Hours)	BUILDING ELEMENT
STRUCTURAL FRAME	0	NONBEARING WALLS & PARTITIONS INTERIOR
BEARING WALLS INTERIOR	0	FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS
NONBEARING WALLS & PARTITIONS EXTERIOR	SEE TABLE 602	ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS
OCCUPANT LOAD CALCULATIONS		
CHAPTER 10 - TABLE 1004.5		
FUNCTION OF SPACE	FLOOR AREA IN SQ. FT. PER OCCUPANT	AREA IN SQ. FT. NUMBER OF OCCUPANTS
CONCESSIONS	100 SF GROSS	508 SF 6 OCCUPANTS
EGRESS WIDTH CALCULATIONS		
CHAPTER 10 - SECTION 1005		
NUMBER OF OCCUPANTS	WITHOUT SPRINKLERS STAIRWAYS	WITH SPRINKLERS STAIRWAYS
6 OCCUPANTS	0.3" / OCCUPANT	0.2" / OCCUPANT
MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD (SPACES WITH ONE EXIT)		
CHAPTER 10 - TABLE 1006.2.1		
A5 OCCUPANCY; 1 STORY; MAX. 6 OCCUPANTS AND 100' TRAVEL = 1 EXIT REQUIRED (OL < 30)		
1 EXIT PROVIDED		
EXIT ACCESS TRAVEL DISTANCE		
CHAPTER 10 - TABLE 1017.2		
A5 OCCUPANCY	WITHOUT SPRINKLERS	WITH SPRINKLERS
200'	250'	MAXIMUM TRAVEL DISTANCE TO AN EXIT 36'-2"
PLUMBING FIXTURES REQUIRED		
CHAPTER 29 - TABLE 2902.1		
NUMBER OF OCCUPANTS	WC	LAV
199		
ASSEMBLY (A5)	MALE	1/200 = 1.0
BLEACHERS 8 @ 38 = 304		1/300 = 1.0
FIELD 4 @ 22 = 88		
CONCESSIONS = 006		
TOTAL	TOTAL REQUIRED	TOTAL PROVIDED
398	1	1
	1 + 2 URINALS	1
		2
		2
	WC	LAV
	1 PROVIDED	1 PROVIDED



—	1 HOUR FIRE RATING	O.L.	OCCUPANCY LOAD IN PERSONS
- - -	30 MIN. FIRE RATING	④	OCCUPANCY LOAD FOR EGRESS
FD60	1 HOUR FIRE DOOR	55	EGRESS DESIGN LOAD
FD45	45 MIN. FIRE DOOR	200	ALLOWABLE CAPACITY
FD20	20 Min. Fire Door		

C1 CODE FLOOR PLAN - CONCESSION  
1/4" = 1'-0"



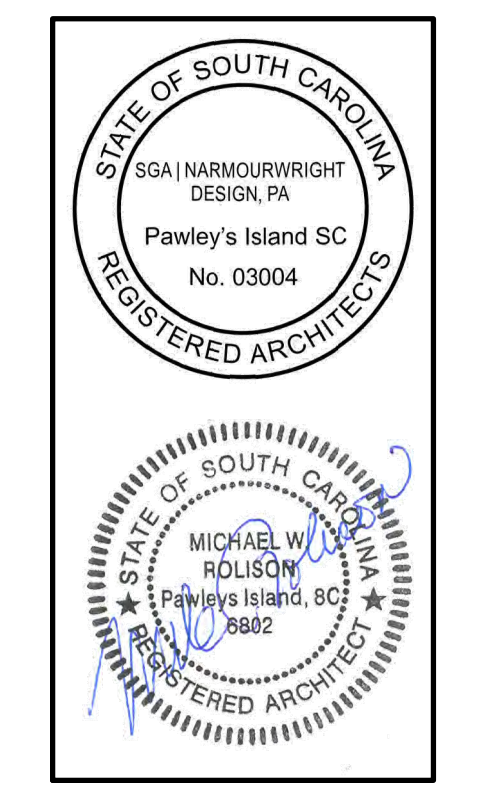
CONSTRUCTION SUBSYSTEMS

SLAB SYSTEMS	ROOF SYSTEMS
<p>⑥ CONCRETE SLAB ON GRADE</p> <p>033000.E CONCRETE SLAB ON GRADE (SEE STRUCT.)</p> <p>033000.H STEEL REINFORCEMENT (SEE STRUCT.)</p> <p>033000.J VAPOR BARRIER</p> <p>312000.B SUBBASE, COMPACT</p>	<p>⑥ STANDING SEAM METAL ROOF</p> <p>074113.A METAL ROOF PANEL</p> <p>074113.G UNDERLAYMENT</p> <p>061800.B ROOF SHEATHING (5/8")</p> <p>061000.C WOOD RAFTER (2 X 8)</p>
EXTERIOR WALL SYSTEMS	PARTITION SYSTEMS
<p>⑥ SIDING AND CMU</p> <p>061000.E WOOD BLOCKING (1 X 4 @ 16" OC VERTICAL)</p> <p>042000.H REINFORCING (SEE STRUCT.)</p> <p>074800.A SIDING (SEE STRUCT.)</p> <p>042000.G MASONRY JOINT REINFORCING</p> <p>042000.D CMU (8")</p> <p>071113.A BITUMINOUS DAMPPROOFING</p> <p>061800.A WALL SHEATHING (1/2")</p> <p>⑥ FACE BRICK WITH CMU</p> <p>042000.A FACE BRICK</p> <p>042000.H REINFORCING (SEE STRUCT.)</p> <p>042000.G MASONRY JOINT REINFORCING</p> <p>042000.D CMU (8")</p> <p>071113.A BITUMINOUS DAMPPROOFING</p>	<p>⑥ SINGLE WYTHE MASONRY REINFORCING (SEE STRUCT.)</p> <p>042000.H REINFORCING (SEE STRUCT.)</p> <p>042000.G MASONRY JOINT REINFORCING</p> <p>042000.D CMU (4")</p> <p>⑥ SINGLE WYTHE MASONRY REINFORCING (SEE STRUCT.)</p> <p>042000.H REINFORCING (SEE STRUCT.)</p> <p>042000.G MASONRY JOINT REINFORCING</p> <p>042000.D CMU (6")</p>

SGA  
NarmourWright  
DESIGN

8263 Ocean Highway  
Pawleys Island, SC 29585  
p 843.237.3421  
www.sganwdesign.com

THIS DOCUMENT PROVIDED BY SGA NARMOURWRIGHT DESIGN IS SUBJECT TO THE ARCHITECTURAL WORKS ACT AND THE PROFESSIONAL REGISTERED ARCHITECTS ACT. THE USE OF THESE DOCUMENTS OF THE ELECTRONIC INFORMATION THAT PRODUCED FROM THIS PROJECT, UNLESS OTHERWISE PROVIDED BY WRITING BY AND COMPENSATION TO THE ARCHITECT.



WAVERLY PARK  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

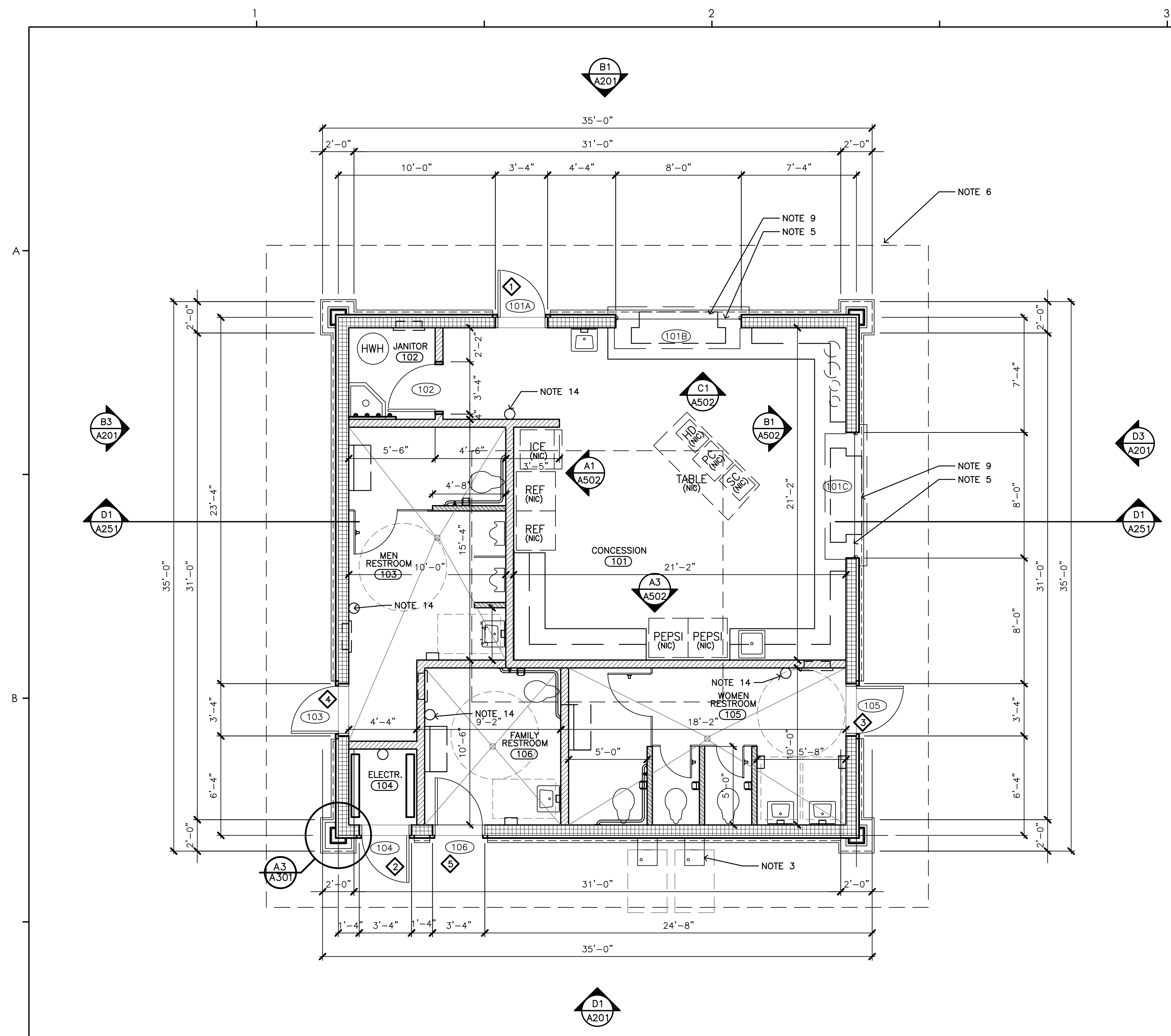
PROJECT NUMBER: 19-004-04-R  
ISSUE DATE: 02/09/2022  
DRAWN BY: JW / mnr  
CHECKED BY: SGA | NW

Bid Set  
Revised

Revision Schedule		
#	Description	Date

CODE ANALYSIS & CONSTRUCTION SUBSYSTEMS

A001



**C1 FLOOR PLAN - CONCESSION**  
1/4" = 1'-0"

REFER TO A501 FOR ENLARGED RESTROOM PLANS, INCLUDING DIMENSIONS AND ACCESSORIES.

**PAINT NOTES:**  
 INTERIOR CMU PAINT PER SPECIFICATION section 09910-3.7 INTERIOR PAINT SCHEDULE - COLOR 3  
 INTERIOR T1-11 PLYWOOD STAIN PER SPECIFICATION section 099300 - 3.7 INTERIOR WOOD-FINISH SCHEDULE. COLOR BRITE WHITE (INCLUDING WOOD CROWN TRIM)  
 EXTERIOR PAINT PER SPECIFICATION section 09910 - 3.6 (EXTERIOR PAINT SCHEDULE) CEMENT BOARD SIDING - COLOR 4 / CEMENT BOARD TRIM - COLOR 5 / WOOD BRACKETS - COLOR 5  
 EXPOSED UNDERSIDE OF ROOF, AND EXPOSED RAFTERS & FRAMING STAIN PER SPECIFICATION section 099300 STAINING AND TRANSPARENT FINISHING 3.6 (COLOR TO BE SELECTED BY OWNER FOR COMPLETE LINE OF MANUFACTURER STANDARDS).  
 HOLLOW METAL DOORS (INTERIOR DOORS AND INTERIOR SURFACE OF EXTERIOR DOORS) PER SPECIFICATION section 09910-3.7 - COLOR 7  
 HOLLOW METAL DOORS EXTERIOR SURFACE OF EXTERIOR DOORS PER SPECIFICATION section 09910-3.6 - COLOR 8  
 HOLLOW METAL DOOR FRAMES (INTERIOR DOORS) PER SPECIFICATION section 09910-3.7 - COLOR 9  
 HOLLOW METAL DOOR FRAMES (EXTERIOR DOORS - BOTH SIDES) PER SPECIFICATION section 09910-3.6 - COLOR 10

**GENERAL NOTES**

A. ALL EXTERIOR DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, COLUMN CENTERLINE, U.N.O.  
 B. ALL DOORS & WINDOWS ARE DIMENSIONED TO THE MASONRY OPENINGS. REFER TO MANUFACTURER'S DATA FOR OVERALL ROUGH OPENING REQUIREMENTS FOR EACH TYPE OF DOOR & WINDOW.  
 C. ALL INTERIOR DIMENSIONS ARE TO FACE OF MASONRY U.N.O.  
 D. WINDOW DISTRIBUTOR & THEREFORE WINDOW MANUFACTURER ARE RESPONSIBLE FOR PROVIDING WINDOWS AND GLAZING PER DESIGN CRITERIA (SEE STRUCTURAL) AND ALL APPLICABLE CODES.  
 E. ALL EXTERIOR EXPOSED WOOD TO BE PRESSURE TREATED PER INDUSTRY STANDARDS & REQUIREMENTS.  
 F. ALL EXPOSED EXTERIOR WOOD SHALL HAVE TRANSPARENT FINISH EXCEPT PAVILION COLUMNS. ALL EXPOSED WOOD STRUCTURAL MEMBERS AND DECKING, LOUVERS, AND WOOD TRIM FOR TRANSPARENT FINISH SHALL BE THE SAME SPECIES.  
 G. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY POSSIBLE CONFLICTS PRIOR TO INITIATING ANY WORK IN QUESTION.  
 H. ALL GENERAL CONTRACTORS AND SUB CONTRACTORS ARE TO REVIEW ARCHITECTS DRAWINGS & SPECIFICATIONS AS WELL AS ENGINEER'S DRAWINGS & SPECIFICATIONS AND COORDINATE EACH WITH THEIR SPECIFIC FIELD. REFER ANY QUESTIONS OR CONFLICTS TO ARCHITECT DURING BID & NEGOTIATION PROCESS WITHIN THE REQUIRED TIME FOR PROPER RESPONSE AND INCLUSION OF ANSWERS AND REVISIONS IF ANY, INTO THE BID PROPOSAL. ALL QUESTIONS/ANSWERS SHALL OCCUR AND BE RESOLVED BEFORE BID OPENING. GENERAL CONTRACTOR, OR SUBCONTRACTOR, OR ANY VENDOR WHO IS PROVIDING ANY MATERIAL AND/OR SYSTEM FOR THIS PROJECT SHALL SIGN OFF ON THE FORM IN THE BID DOCUMENTS SPECIFICALLY NOTING THAT ALL CONSTRUCTION DOCUMENTS (DRAWINGS AND SPECIFICATIONS) WERE REVIEWED AND COMPLIANCE TO IT IS INCLUDED IN THEIR BID PROPOSAL.  
 I. WHEN DRAWINGS AND SPECIFICATIONS DO NOT AGREE, ARCHITECT SHALL DECIDE WHICH IS CORRECT AND TO BE FURNISHED, SUPPLIED AND OR INSTALLED UNDER THIS CONTRACT. CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST RESTRICTIVE OR COSTLY ALTERNATIVE.  
 J. GENERAL CONTRACTOR SHALL VERIFY THE REQUIREMENTS FOR THE NEED OF THE WALL BLOCKING FOR INSTALLATION OF ALL EQUIPMENT AND FURNISHING. GENERAL CONTRACTOR SHALL ALLOW FUNDS FOR ALL ANTICIPATED BLOCKING AND INCLUDE IT IN THE PUBLISHED FINAL BID SUM.

- NOTES**
- DASHED LINE INDICATES WALL OR PORCH STRUCTURE BELOW.
  - SOLID LINE INDICATES EAVE AND RAKE PROJECTIONS AND VALLEYS AND RIDGES.
  - DRINKING FOUNTAINS - SEE PLUMBING.
  - VENDING MACHINES LOCATION, VENDING MACHINES ARE NOT IN CONTRACT. ONLY ELECTRICAL AND PLUMBING CONNECTIONS TO BE PROVIDED IN THIS CONTRACT.
  - ROLLING COUNTER SHUTTER - SEE SPECS.
  - LINE OF ROOF ABOVE.
  - LINE OF FLOOR SLAB EXTENTS.
  - LINE OF WALL BASE BELOW.
  - THROUGH-WALL HVAC UNIT - SEE MECHANICAL.
  - CONTROL JOINT (CJ) IN THE CONCRETE SLAB - SEE STRUCTURAL FOR ALL LOCATIONS AND REQUIREMENTS. FIELD COORDINATE ALTERNATE LOCATIONS WITH ARCHITECT.
  - NOT USED.
  - NOT USED.
  - NOT USED.
  - NOT USED.
  - PROVIDE PORTABLE FIRE EXTINGUISHER - LARSEN'S MFG CO: MP5 WITH 1521 BRACKET, OR APPROVED EQUAL. MOUNT AT 48" AFF. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - SEE STRUCTURAL FOR BRACKET AND BLOCKING ATTACHMENT & THROUGH BOLT AT EACH BRACKET. BLOCKING FOR ATTACHMENT AT THE ROOF EAVES TO BE CONTINUOUS BETWEEN ALL EXPOSED ENDS OF RAFTERS AND OUTRIGGERS AT ALL EAVES REGARDLESS IF THERE IS BRACKET PRESENT OR NOT.
  - STAINLESS STEEL WRAP TO BE CONTINUOUS AND SEAMLESS AROUND EXTERIOR AND INTERIOR PORTIONS OF THE COUNTER AS SHOWN.
  - DO NOT EXTEND PLYWOOD CEILING PANELS INTO ELECTRICAL 104 OR JANITOR 102.
  - USE POWDER ACTUATED FASTENERS OR SELF TAPPING SCREWS TO ACCOMMODATE BASE MATERIAL THICKNESS AT COLUMN TO ATTACH BLOCKING TO STEEL COLUMN - USE IT AS OFTEN AS EACH SINGLE LOCATION REQUIRES.
  - PTWD KDAT TRIM TOP EDGE TO BE CHAMFERED 3/8" MIN. AND TO BE MITERED AT ALL CORNERS.
  - PTWD KDAT TRIM CUT TO DIMENSIONS (TREAT ALL CUTS) AND TO BE MITERED AT ALL CORNERS.
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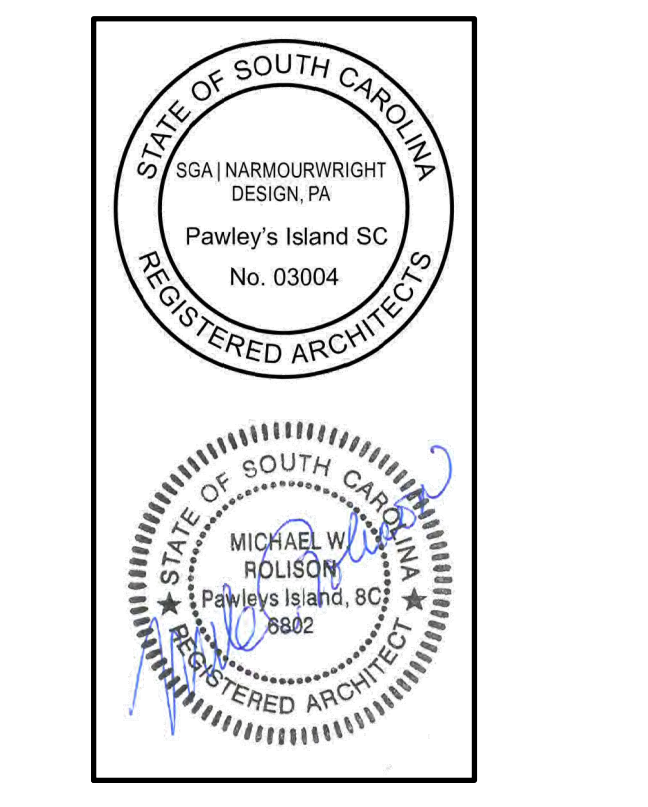
ROOM SIGN		
1 NO ADMITTANCE. EMPLOYEES ONLY	3 WOMENS	5 FAMILY
2 ELECTRICAL NO ADMITTANCE. EMPLOYEES ONLY	4 MENS	

SIGN PLAQUES (metal) TO BE PROVIDED FOR EACH DESIGNATED ROOM AND FASTENED ON THE DOOR OF THE ROOM. EACH SIGN SHALL BE STANDARD SIZED AND CONSTRUCTED PER BUILDING CODE REQUIREMENTS AS WELL AS PER ADAAG (ADA Accessibility Guidelines for Buildings and Facilities).

**WALL LEGEND**

	8" CMU - EXTERIOR WALL TO BE TERMINATED @ 10'-0" A.F.F..
	6" CMU - INTERIOR WALL TO BE TERMINATED @ 10'-0" A.F.F.
	4" CMU - INTERIOR WALL TO BE TERMINATED @ 8'-0" A.F.F.

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**WAVERLY PARK**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEY'S ISLAND, SC 29585

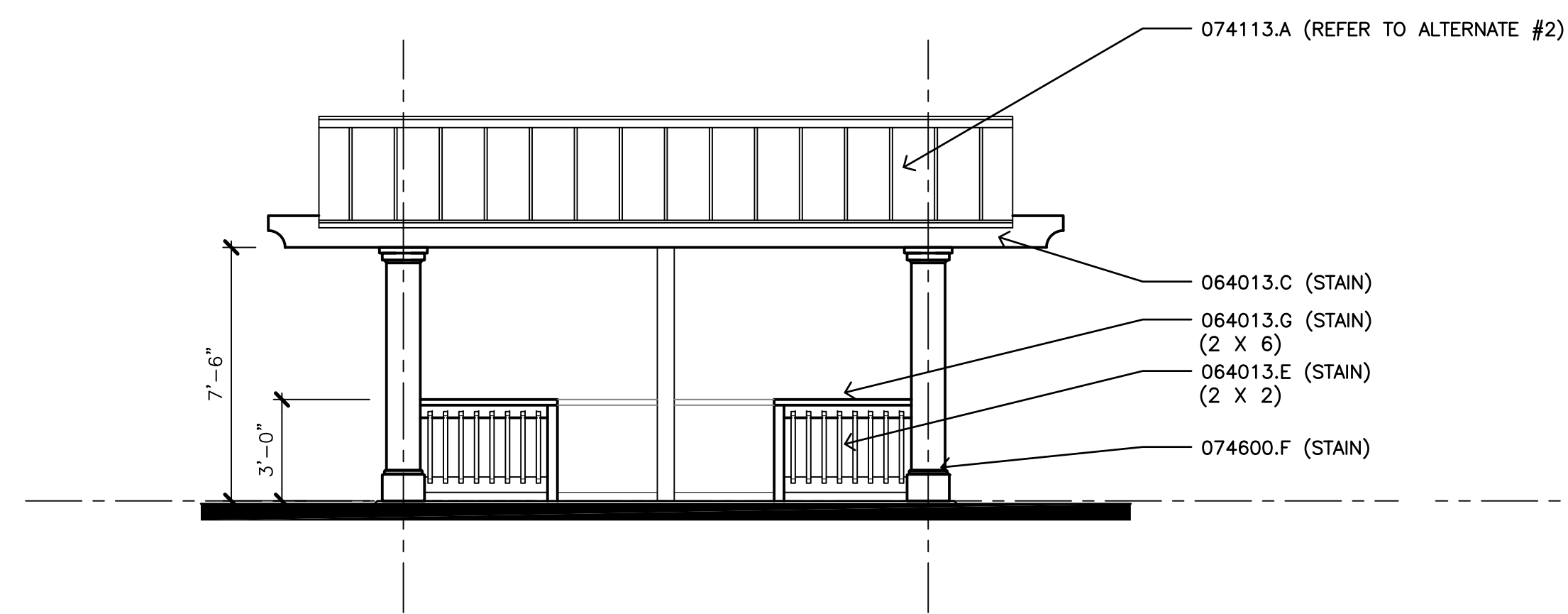
PROJECT NUMBER:  
19-004-04-R  
 ISSUE DATE:  
02/09/2022  
 DRAWN BY: JW / mr  
 CHECKED BY: SGA / NW

**Revision Schedule**

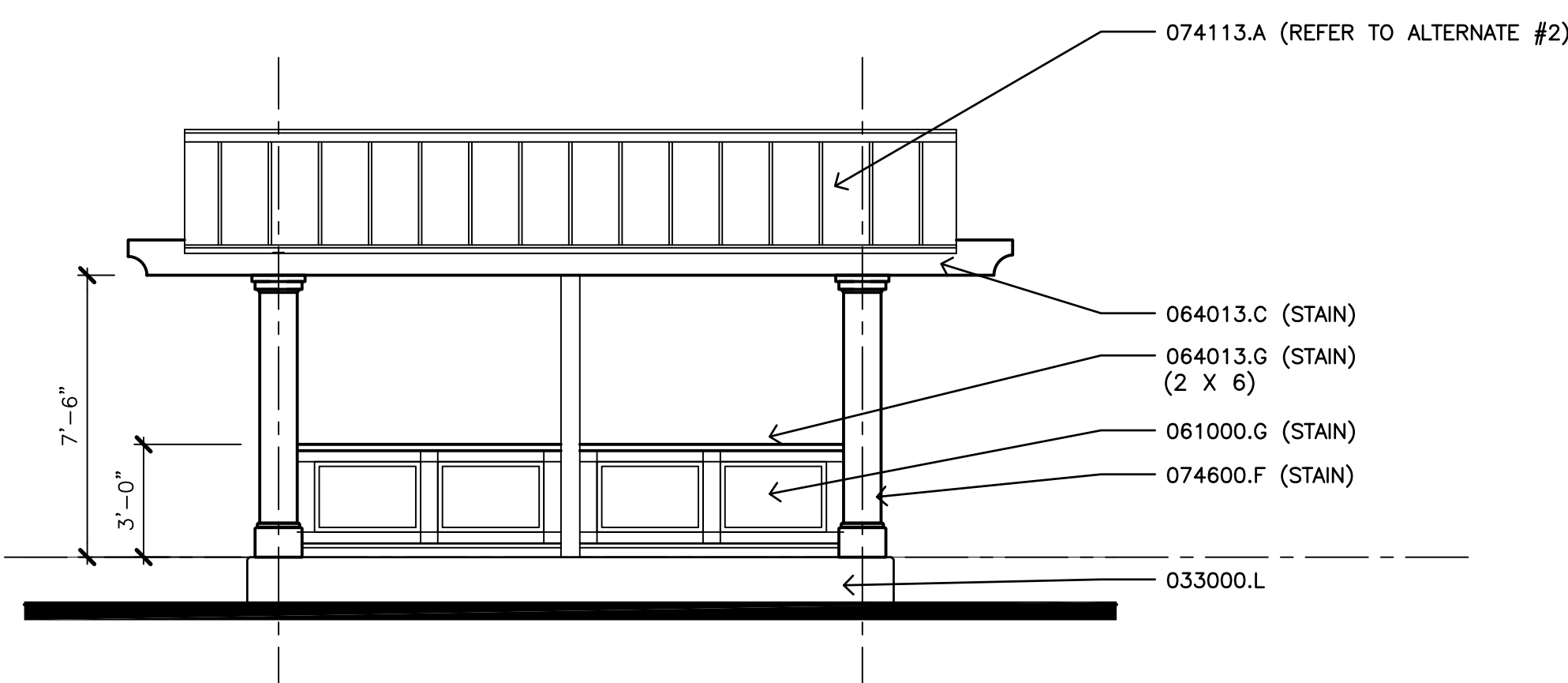
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**Bid Set Revised**

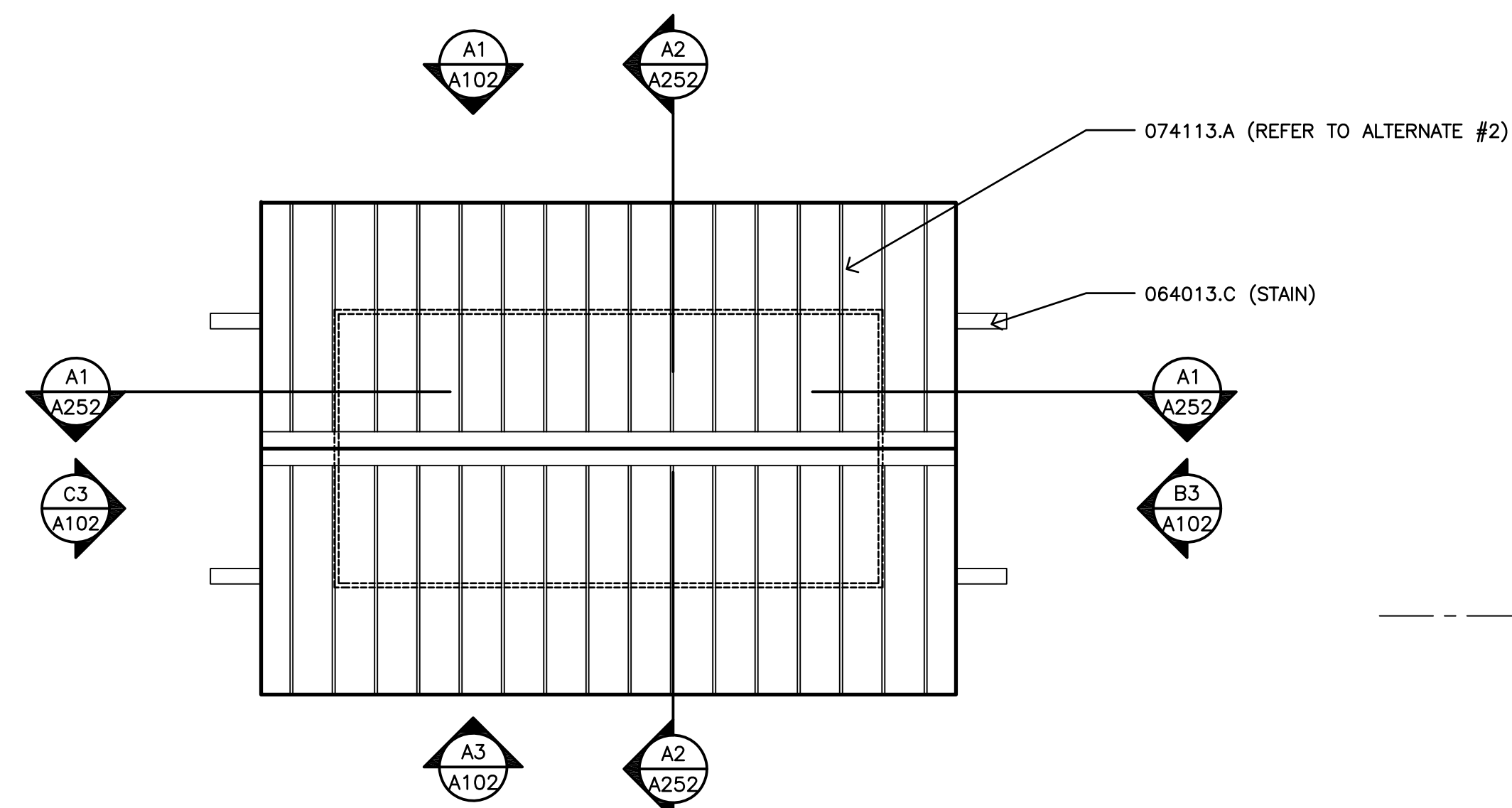




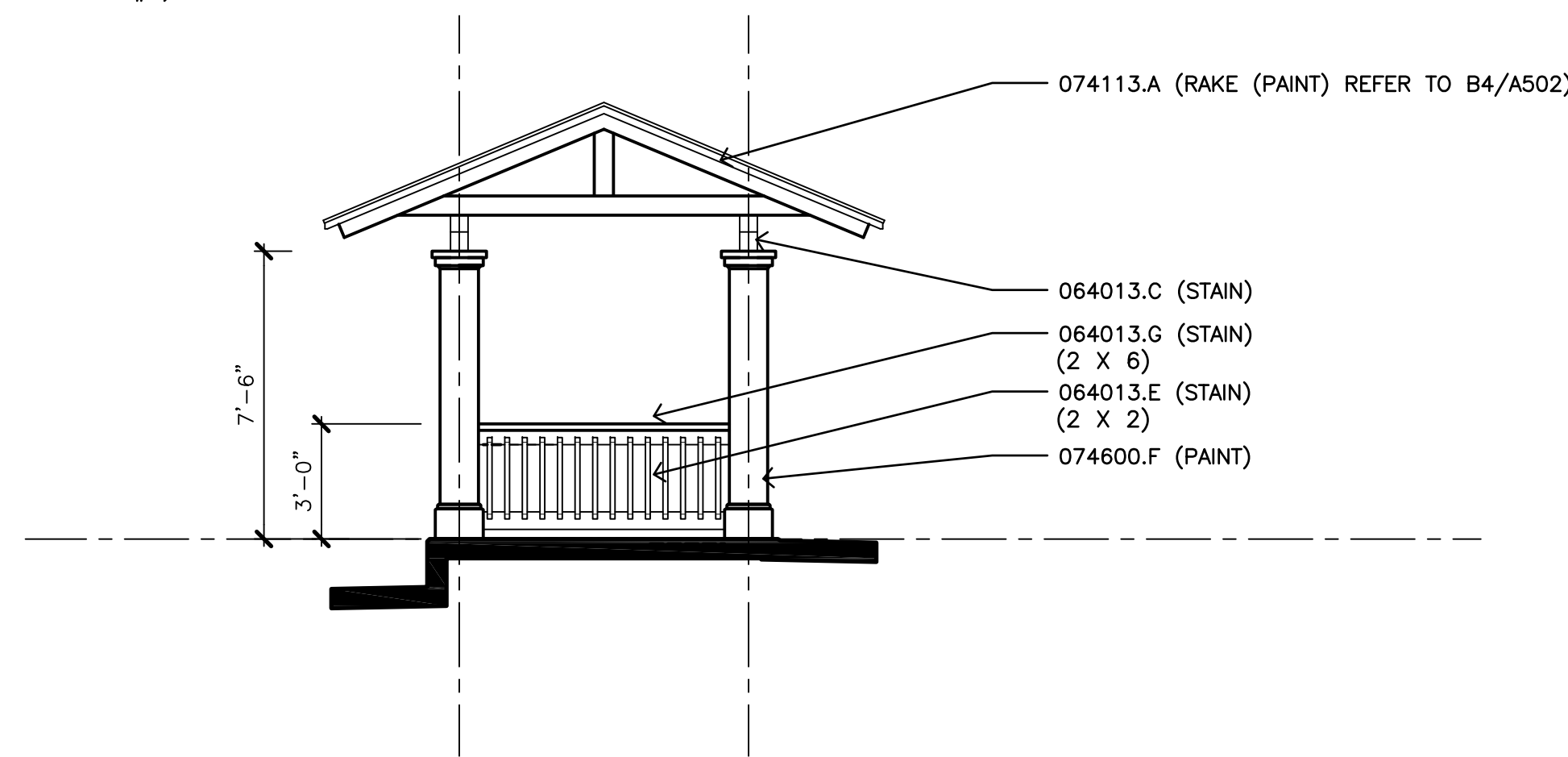
**A1 NORTH ELEVATION - SCORE TOWER**  
1/4" = 1'-0"



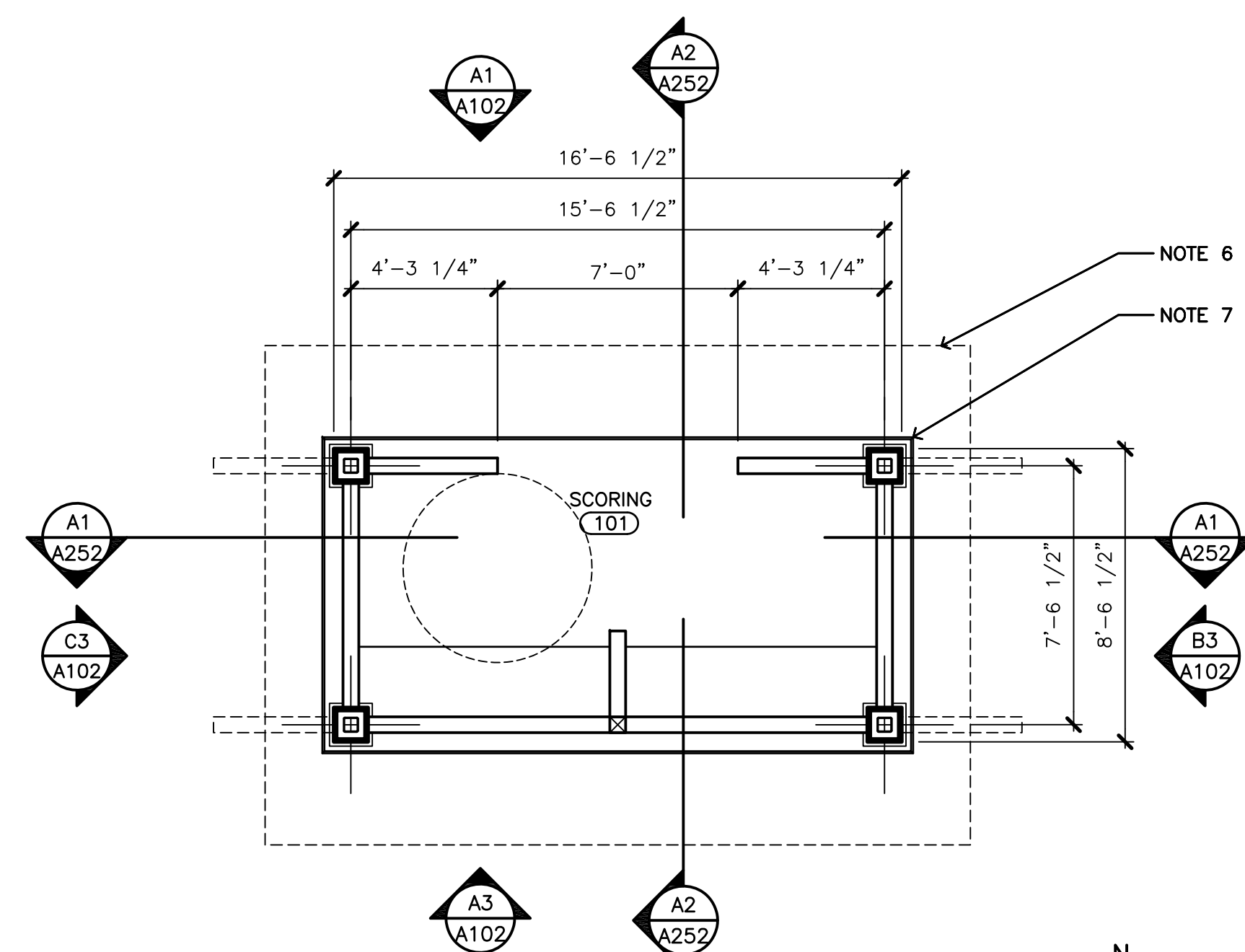
**A3 SOUTH ELEVATION - SCORE TOWER**  
1/4" = 1'-0"



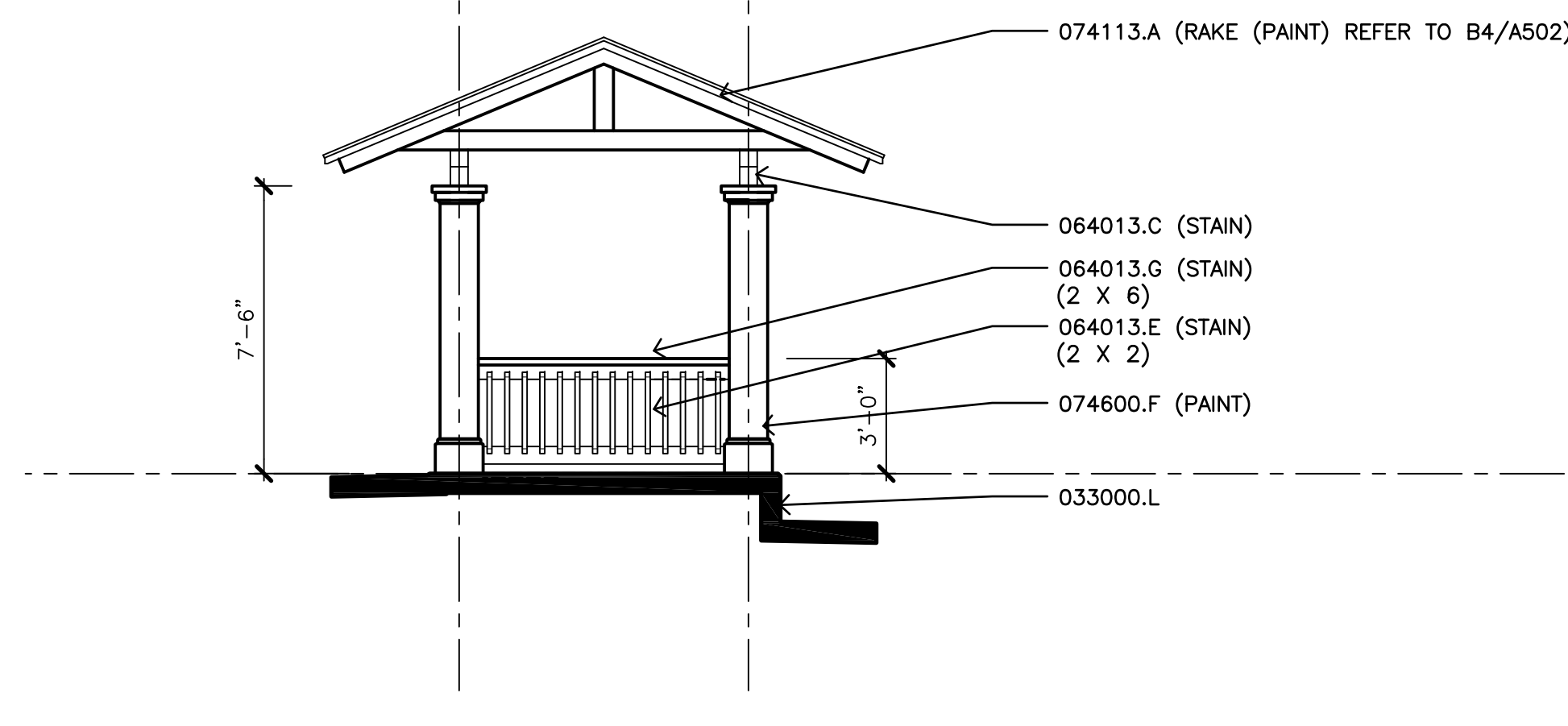
**B1 ROOF PLAN - SCORE TOWER**  
1/4" = 1'-0"



**B3 EAST ELEVATION - SCORE TOWER**  
1/4" = 1'-0"



**C1 FLOOR PLAN - SCORE TOWER**  
1/4" = 1'-0"



**C3 WEST ELEVATION - SCORE TOWER**  
1/4" = 1'-0"

**MATERIALS KEYING LEGEND**

SECTION 042000	UNIT MASONRY
042000.A	FACE BRICK
SECTION 061000	ROUGH CARPENTRY
061000.G	PLYWOOD
SECTION 064013	EXTERIOR ARCHITECTURAL WOODWORK
064013.B	TIMBER BRACKET
064013.C	TIMBER BEAM
064013.E	WOOD PICKET ( )
064013.G	WOOD RAIL
SECTION 074113	METAL ROOF PANELS
074113.A	METAL ROOF PANEL
SECTION 074600	CEMENT BOARD SIDING
074600.F	CEMENT BOARD TRIM

**GENERAL NOTES**

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- ALL DOORS & WINDOWS ARE DIMENSIONED TO THE MASONRY OPENINGS. REFER TO MANUFACTURER'S DATA FOR OVERALL ROUGH OPENING REQUIREMENTS FOR EACH TYPE OF DOOR & WINDOW.
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- ALL EXPOSED WOOD STRUCTURAL MEMBERS AND DECKING, LOUVERS, AND WOOD TRIM FOR TRANSPARENT FINISH SHALL BE THE SAME SPECIES.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY POSSIBLE CONFLICTS PRIOR TO INITIATING ANY WORK IN QUESTION.
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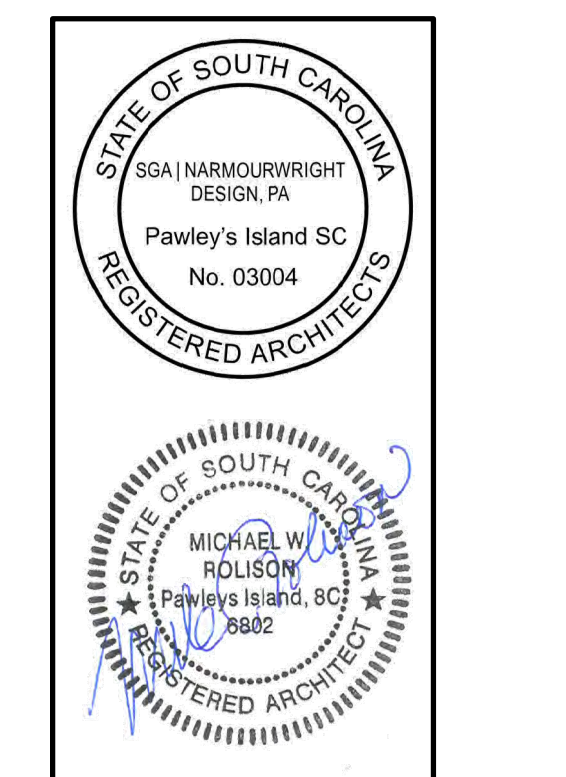
**NOTES**

- DASHED LINE INDICATES WALL OR PORCH STRUCTURE BELOW.
- SOLID LINE INDICATES EAVE AND RAKE PROJECTIONS AND VALLEYS AND RIDGES.
- DRINKING FOUNTAINS - SEE PLUMBING.
- VENDING MACHINES LOCATION, VENDING MACHINES ARE NOT IN CONTRACT. ONLY ELECTRICAL AND PLUMBING CONNECTIONS TO BE PROVIDED IN THIS CONTRACT.
- ROLLING COUNTER SHUTTER - SEE SPECS.
- LINE OF ROOF ABOVE.
- LINE OF FLOOR SLAB EXTENTS.
- LINE OF WALL BASE BELOW.
- THROUGH-WALL HVAC UNIT - SEE MECHANICAL.
- CONTROL JOINT (CJ) IN THE CONCRETE SLAB - SEE STRUCTURAL FOR ALL LOCATIONS AND REQUIREMENTS. FIELD COORDINATE ALTERNATE LOCATIONS WITH ARCHITECT.
- NOT USED.
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- NOT USED.
- PTWD KDAT TRIM CUT TO DIMENSIONS (TREAT ALL CUTS) AND TO BE MITERED AT ALL CORNERS.

**SGA**  
**NarmourWright**  
DESIGN

8263 Ocean Highway  
Pawleys Island, SC 29585  
p 843.237.3421  
www.sganwdesign.com

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**WAWERLY PARK**  
AT  
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1364 WAWERLY RD.  
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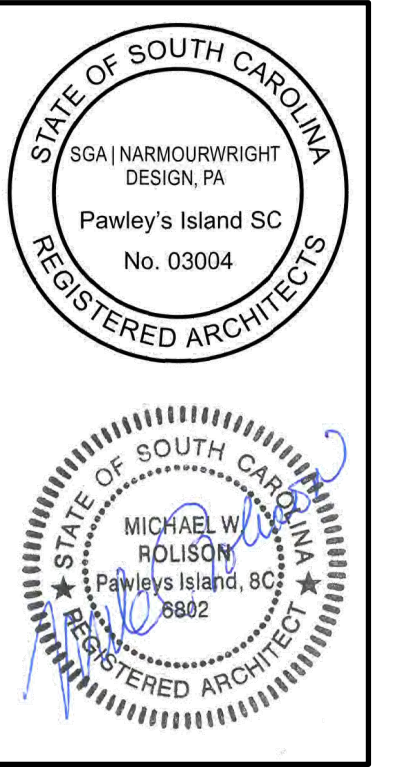
PROJECT NUMBER:  
19-004-04-R  
ISSUE DATE:  
02/09/2022  
DRAWN BY: JW / mr  
CHECKED BY: SGA | NW

Bid Set  
Revised

Revision Schedule		
#	Description	Date

FLOOR/ROOF PLAN  
EXT. ELEVATIONS  
SCORE TOWER

**A102**



**WAVERLY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER:  
19-004-04-R  
ISSUE DATE:  
02/09/2022  
DRAWN BY: JW / mr  
CHECKED BY: SGA | NW

Bid Set  
Revised

Revision Schedule		
#	Description	Date

ROOF PLAN  
CONCESSION

**A151**

MATERIALS KEYING LEGEND

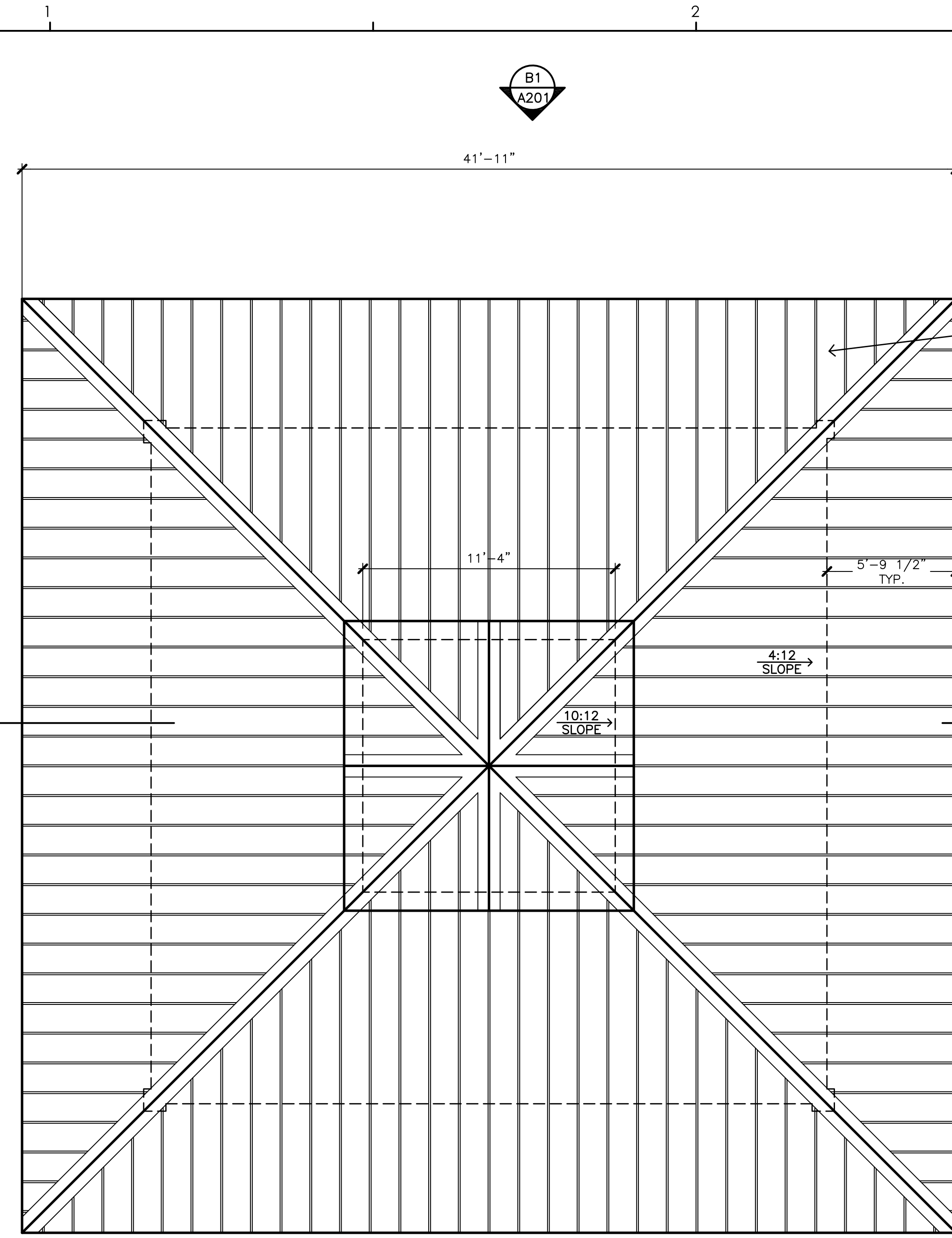
SECTION 074113 METAL ROOF PANELS  
074113.A METAL ROOF PANEL

GENERAL NOTES

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- ALL INTERIOR DIMENSIONS ARE TO FACE OF MASONRY U.N.O.
- WINDOW DISTRIBUTOR & THEREFORE WINDOW MANUFACTURER ARE RESPONSIBLE FOR PROVIDING WINDOWS AND GLAZING PER DESIGN CRITERIA (SEE STRUCTURAL) AND ALL APPLICABLE CODES.
- ALL EXTERIOR EXPOSED WOOD TO BE PRESSURE TREATED PER INDUSTRY STANDARDS & REQUIREMENTS.
- ALL EXPOSED EXTERIOR WOOD SHALL HAVE TRANSPARENT FINISH EXCEPT PAVILION COLUMNS. ALL EXPOSED WOOD STRUCTURAL MEMBERS AND DECKING, LOUVERS, AND WOOD TRIM FOR TRANSPARENT FINISH SHALL BE THE SAME SPECIES.
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NOTES

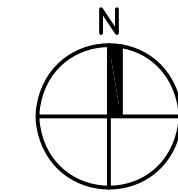
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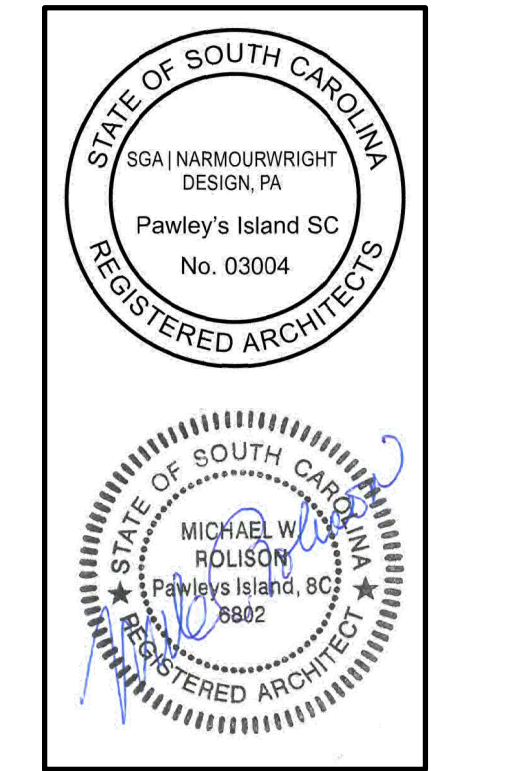


074113.A (BASE BID)  
NOTE: REFER TO ALTERNATE #2 FOR SHINGLED ROOF

**C1 ROOF PLAN - CONCESSION**  
1/4" = 1'-0"

NOTE: REFER TO ALTERNATE #2 FOR SHINGLED ROOF SYSTEM. SEE SPECIFICATIONS SECTION 073113. INCLUDE BUT NOT LIMITED TO, METAL FLASHING, DRIP, RAKE TRIM EDGE, UNDERLAYMENT, FASTENERS





MATERIALS KEYING LEGEND

SECTION 042000	UNIT MASONRY
042000.A	FACE BRICK
SECTION 064013	EXTERIOR ARCHITECTURAL WOODWORK
064013.B	TIMBER BRACKET
SECTION 074113	METAL ROOF PANELS
074113.A	METAL ROOF PANEL
SECTION 074600	SIDING
074600.A	CEMENT BOARD SIDING
074600.F	CEMENT BOARD TRIM
SECTION 081113	HOLLOW METAL DOORS AND FRAMES
081113.A	HM DOOR
081113.B	HM FRAME
SECTION 083323	OVERHEAD COILING DOORS
083323.A	OVERHEAD COILING DOOR
SECTION 089100	LOUVERS
089100.A	METAL WALL LOUVER

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WAWERLY PARK  
AT  
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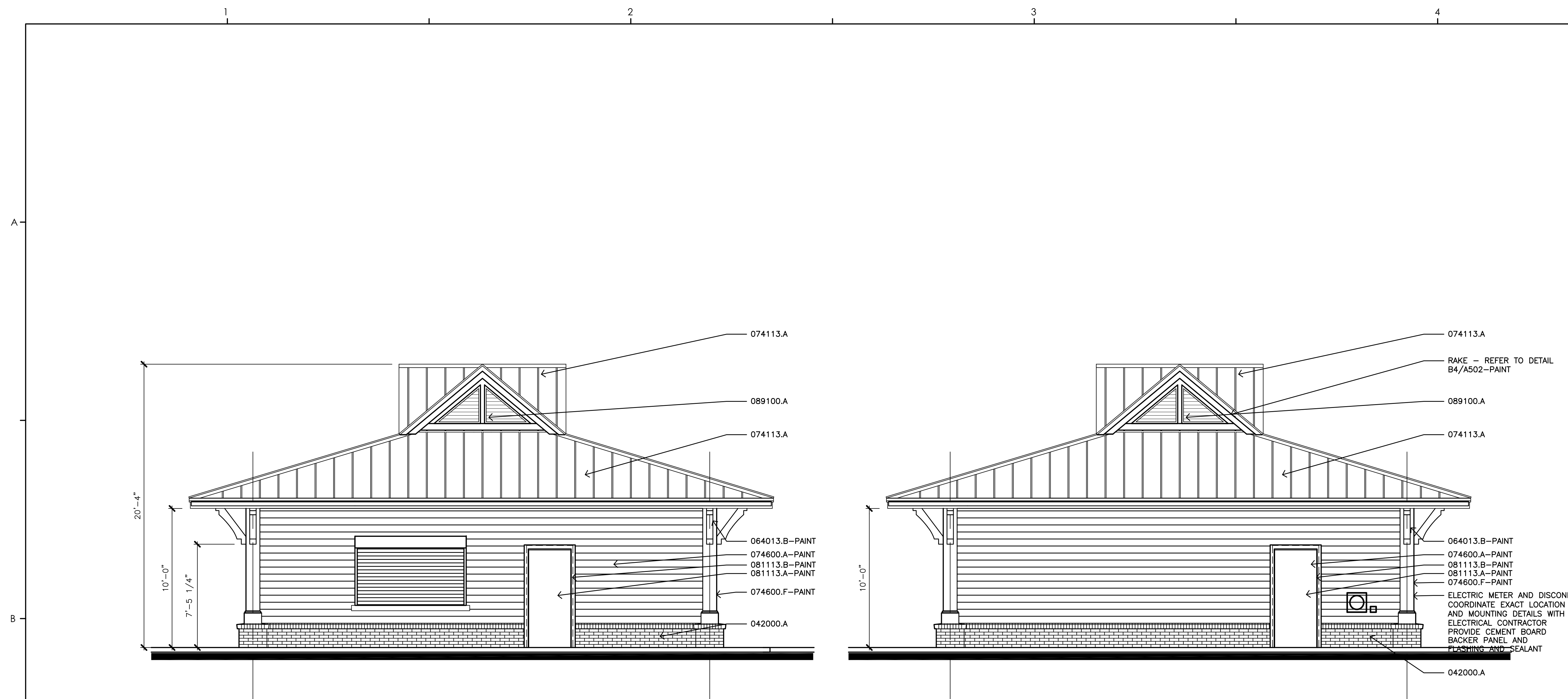
PROJECT NUMBER:  
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ISSUE DATE:  
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DRAWN BY: JW / mr  
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Bid Set  
Revised

Revision Schedule		
#	Description	Date

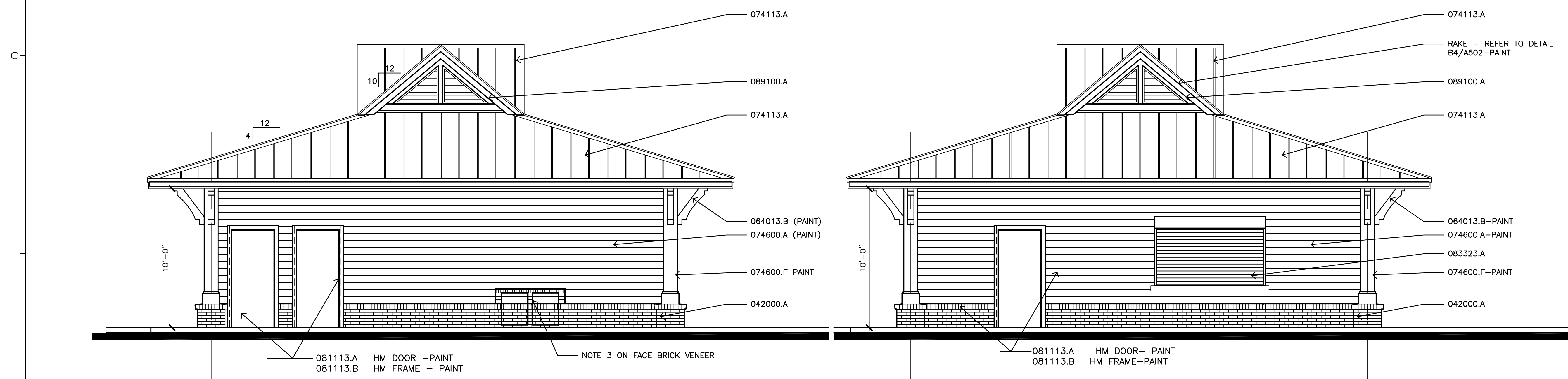
EXTERIOR  
ELEVATIONS  
CONCESSION

A201



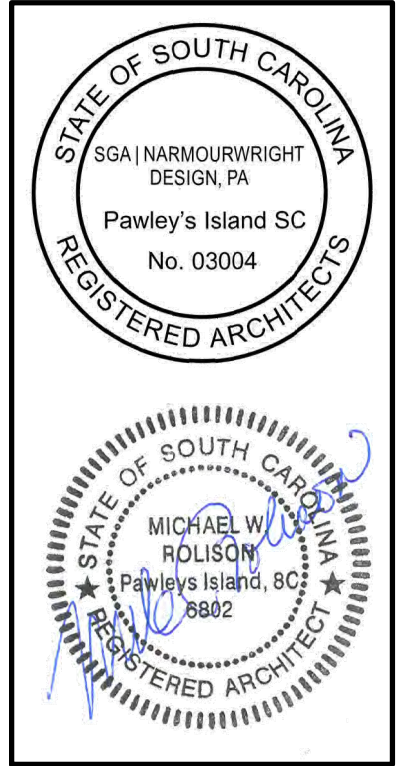
B1 NORTH ELEVATION - CONCESSION  
1/4" = 1'-0"

B3 WEST ELEVATION - CONCESSION  
1/4" = 1'-0"



D1 SOUTH ELEVATION - CONCESSION  
1/4" = 1'-0"

D3 EAST ELEVATION - CONCESSION  
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WAVERLY PARK  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
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Bid Set  
Revised

Revision Schedule		
#	Description	Date

BUILDING  
SECTION  
CONCESSION

A251

MATERIALS KEYING LEGEND

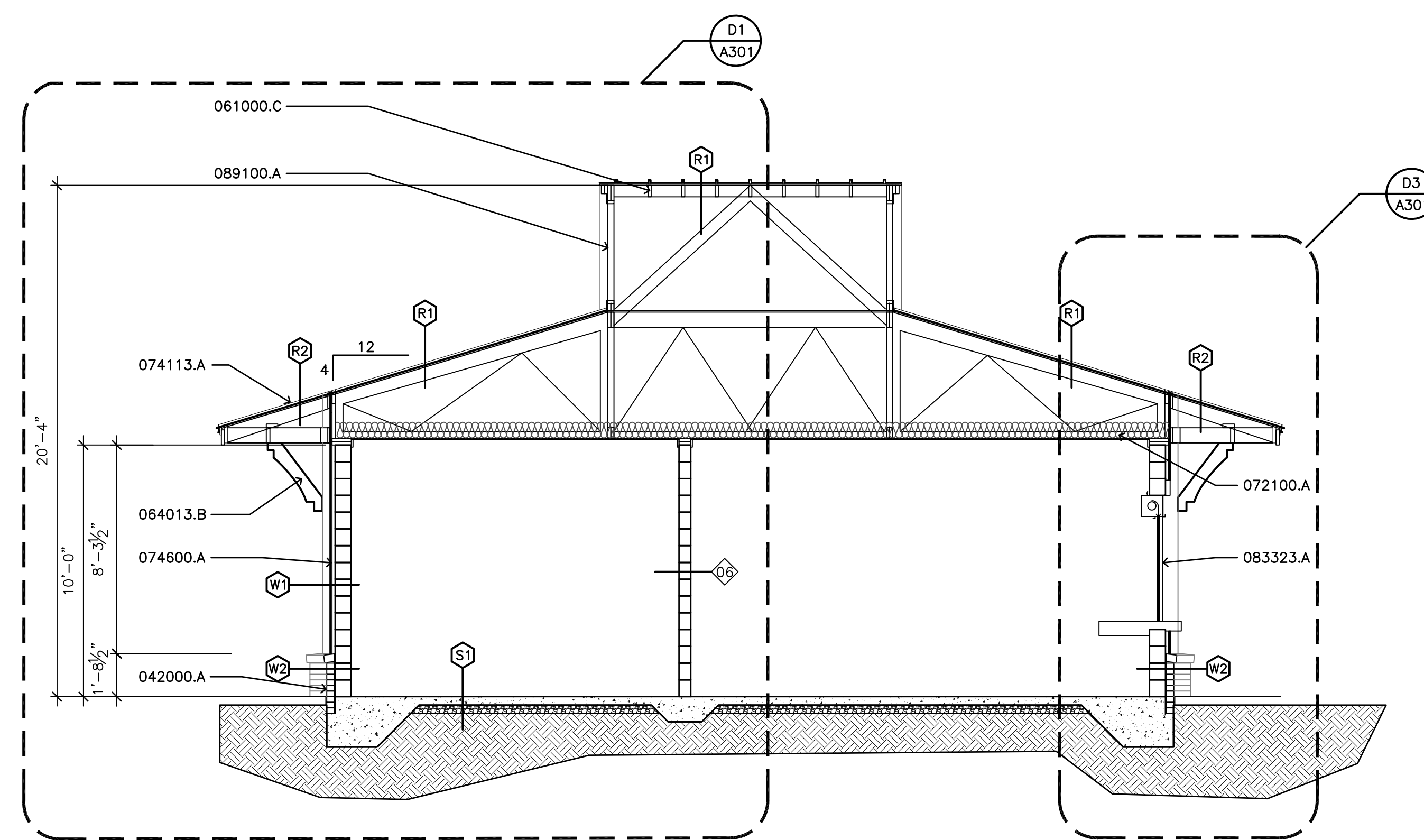
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SECTION 061000	ROUGH CARPENTRY
061000.C	WOOD RAFTER ( " )
SECTION 064013	EXTERIOR ARCHITECTURAL WOODWORK
064013.B	TIMBER BRACKET
SECTION 072100	THERMAL INSULATION
072100.A	THERMAL INSULATION WITH VAPOR BARRIER
SECTION 074113	METAL PANELS
074113.A	METAL ROOF PANEL
SECTION 074600	SIDING
074600.A	CEMENT BOARD SIDING
074600.F	CEMENT BOARD TRIM
SECTION 083323	OVERHEAD COILING DOORS
083323.A	OVERHEAD COILING DOOR
SECTION 089100	LOUVERS
089100.A	METAL WALL LOUVERS

GENERAL NOTES

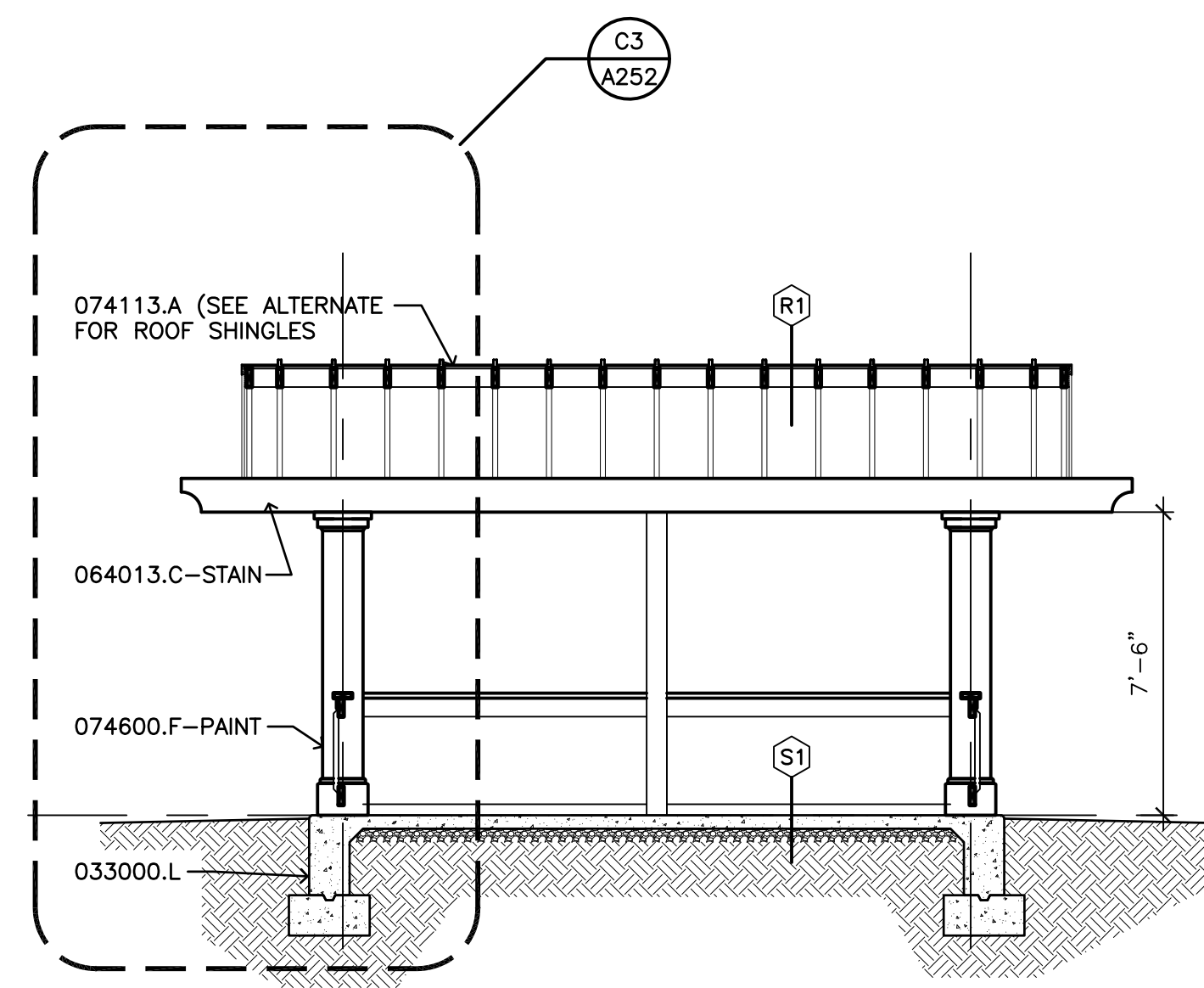
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- ALL DOORS/FRAMES ARE DIMENSIONED TO THE MASONRY OPENINGS. REFER TO MANUFACTURER'S DATA FOR OVERALL ROUGH OPENING REQUIREMENTS FOR EACH TYPE OF DOOR & WINDOW.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF MASONRY U.N.O.
- NOT USED.
- ALL EXTERIOR EXPOSED WOOD TO BE PRESSURE TREATED PER INDUSTRY STANDARDS & REQUIREMENTS.
- ALL EXPOSED EXTERIOR WOOD SHALL HAVE TRANSPARENT FINISH EXCEPT PAVILION COLUMNS. ALL EXPOSED WOOD STRUCTURAL MEMBERS AND DECKING, LOUVERS, AND WOOD TRIM FOR TRANSPARENT FINISH SHALL BE THE SAME SPECIES.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY POSSIBLE CONFLICTS PRIOR TO INITIATING ANY WORK IN QUESTION.
- ALL GENERAL CONTRACTORS AND SUB CONTRACTORS ARE TO REVIEW ARCHITECTS DRAWINGS & SPECIFICATIONS AS WELL AS ENGINEER'S DRAWINGS & SPECIFICATIONS AND COORDINATE EACH WITH THEIR SPECIFIC FIELD. REFER ANY QUESTIONS OR CONFLICTS TO ARCHITECT DURING BID & NEGOTIATION PROCESS WITHIN THE REQUIRED TIME FOR PROPER RESPONSE, AND INCLUSION OF ANSWERS AND REVISIONS IF ANY, INTO THE BID PROPOSAL. ALL QUESTIONS/ANSWERS SHALL OCCUR AND BE RESOLVED BEFORE BID OPENING. GENERAL CONTRACTOR, OR SUBCONTRACTOR, OR ANY VENDOR WHO IS PROVIDING ANY MATERIAL AND/OR SYSTEM FOR THIS PROJECT SHALL SIGN OFF ON THE FORM IN THE BID DOCUMENTS SPECIFICALLY NOTING THAT ALL CONSTRUCTION DOCUMENTS (DRAWINGS AND SPECIFICATIONS) WERE REVIEWED AND COMPLIANCE TO IT IS INCLUDED IN THEIR BID PROPOSAL.
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NOTES

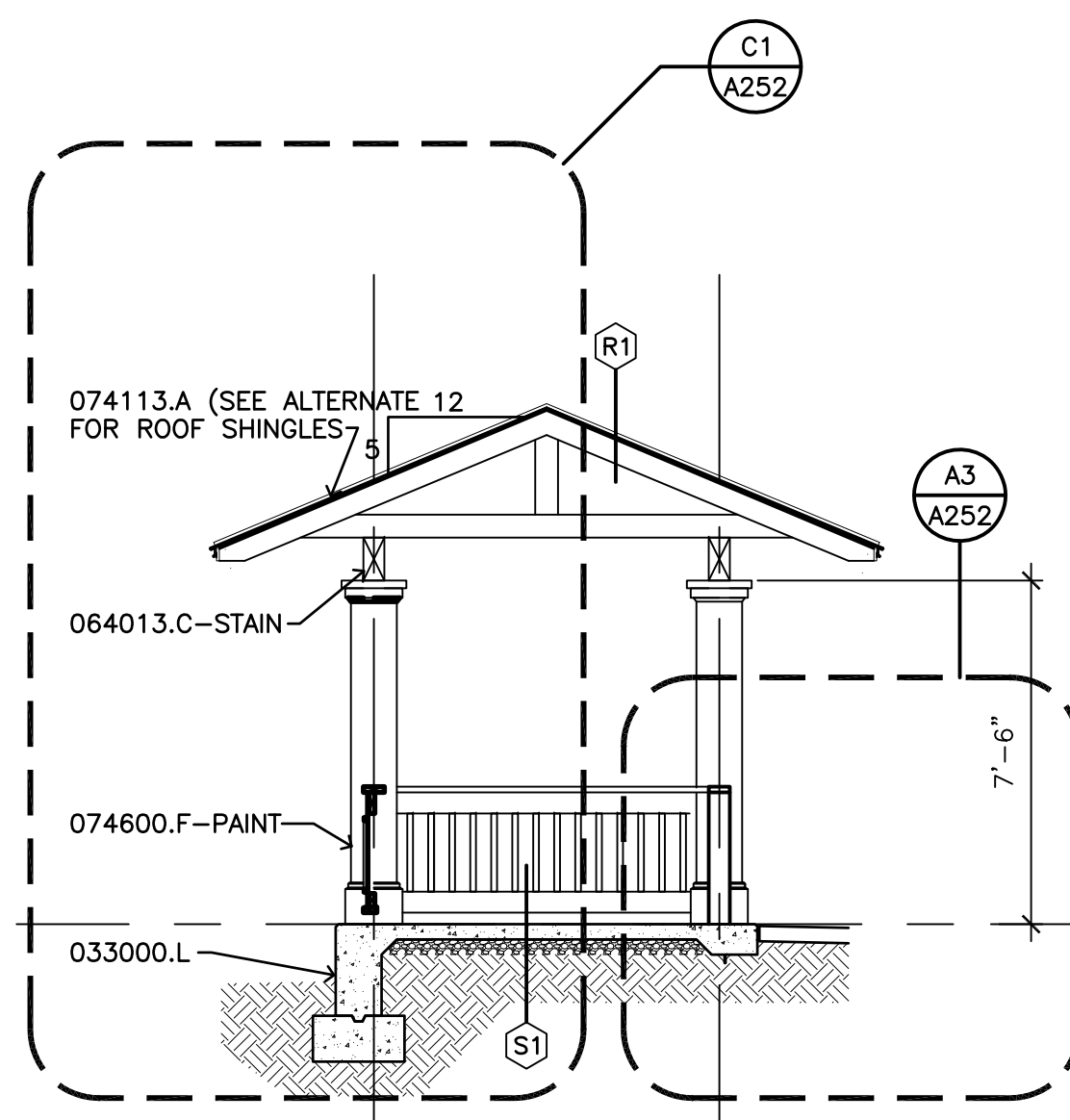
- DASHED LINE INDICATES WALL OR PORCH STRUCTURE BELOW.
- SOLID LINE INDICATES EAVE AND RAKE PROJECTIONS AND VALLEYS AND RIDGES.
- DRINKING FOUNTAINS - SEE PLUMBING.
- VENDING MACHINES LOCATION, VENDING MACHINES ARE NOT IN CONTRACT. ONLY ELECTRICAL AND PLUMBING CONNECTIONS TO BE PROVIDED IN THIS CONTRACT.
- ROLLING COUNTER SHUTTER - SEE SPECS.
- LINE OF ROOF ABOVE.
- LINE OF FLOOR SLAB EXTENTS.
- LINE OF WALL BASE BELOW.
- THROUGH-WALL HVAC UNIT - SEE MECHANICAL.
- CONTROL JOINT (CJ) IN THE CONCRETE SLAB - SEE STRUCTURAL FOR ALL LOCATIONS AND REQUIREMENTS. FIELD COORDINATE ALTERNATE LOCATIONS WITH ARCHITECT.
- NOT USED.
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- PROVIDE PORTABLE FIRE EXTINGUISHER - LARSEN'S MFG CO: MP5 WITH 1521 BRACKET, OR APPROVED EQUAL. MOUNT AT 48" AFF. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- SEE STRUCTURAL FOR BRACKET AND BLOCKING ATTACHMENT & THROUGH BOLT AT EACH BRACKET. BLOCKING FOR ATTACHMENT AT THE ROOF EAVES TO BE CONTINUOUS BETWEEN ALL EXPOSED ENDS OF RAFTERS AND OUTRIGGERS AT ALL EAVES REGARDLESS IF THERE IS BRACKET PRESENT OR NOT.
- STAINLESS STEEL WRAP TO BE CONTINUOUS AND SEAMLESS AROUND EXTERIOR AND INTERIOR PORTIONS OF THE COUNTER AS SHOWN.
- DO NOT EXTEND PLYWOOD CEILING PANELS INTO ELECTRICAL 104 OR JANITOR 102.
- USE POWDER ACTUATED FASTENERS OR SELF TAPPING SCREWS TO ACCOMMODATE BASE MATERIAL THICKNESS AT COLUMN TO ATTACH BLOCKING TO STEEL COLUMN- USE IT AS OFTEN AS EACH SINGLE LOCATION REQUIRES.
- PTWD KDAT TRIM TOP EDGE TO BE CHAMFERED 3/8" MIN. AND TO BE MITERED AT ALL CORNERS.
- PTWD KDAT TRIM CUT TO DIMENSIONS (TREAT ALL CUTS) AND TO BE MITERED AT ALL CORNERS.
- NOT USED
- PTWD KDAT TRIM CUT TO DIMENSIONS (TREAT ALL CUTS) AND TO BE MITERED AT ALL CORNERS.



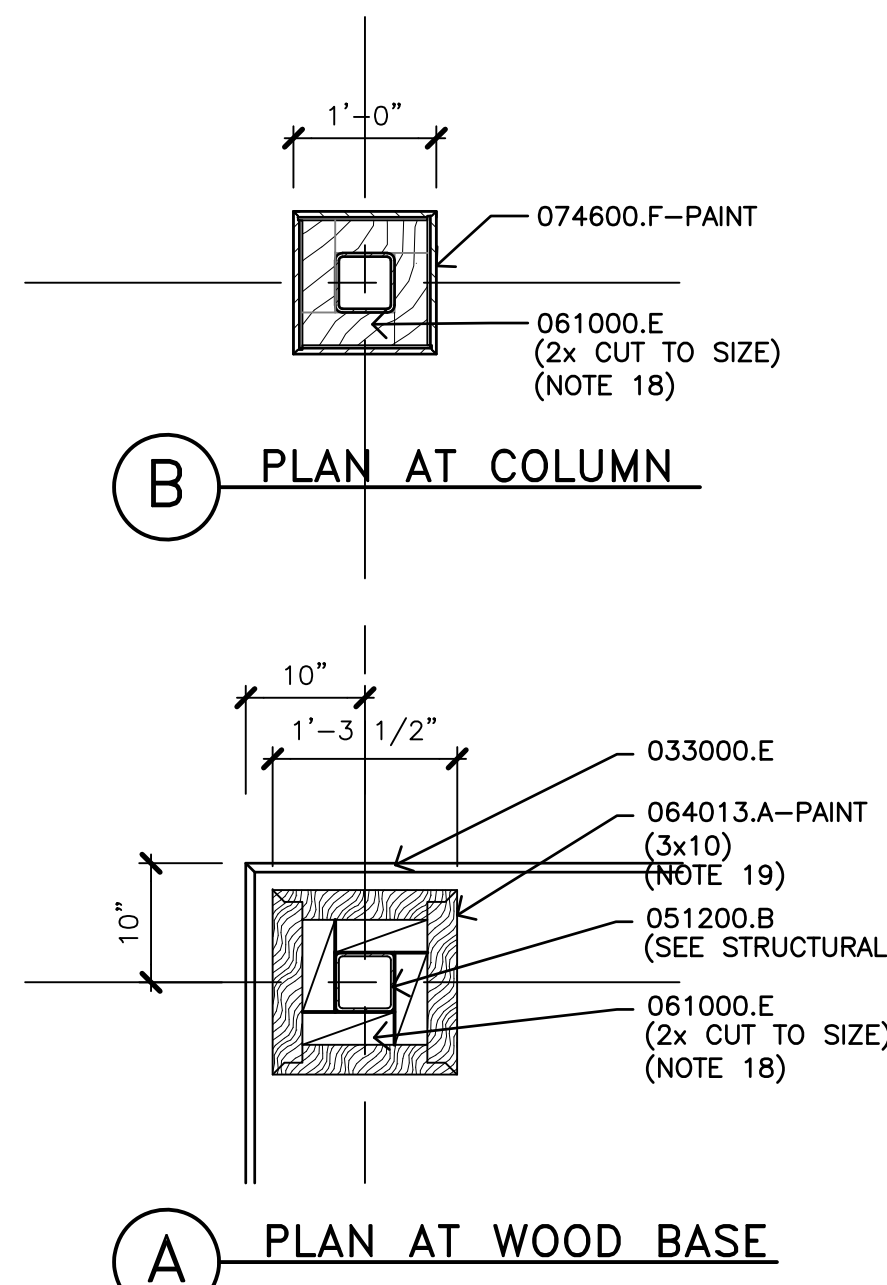
D1 BUILDING SECTION - CONCESSION  
1/4" = 1'-0"



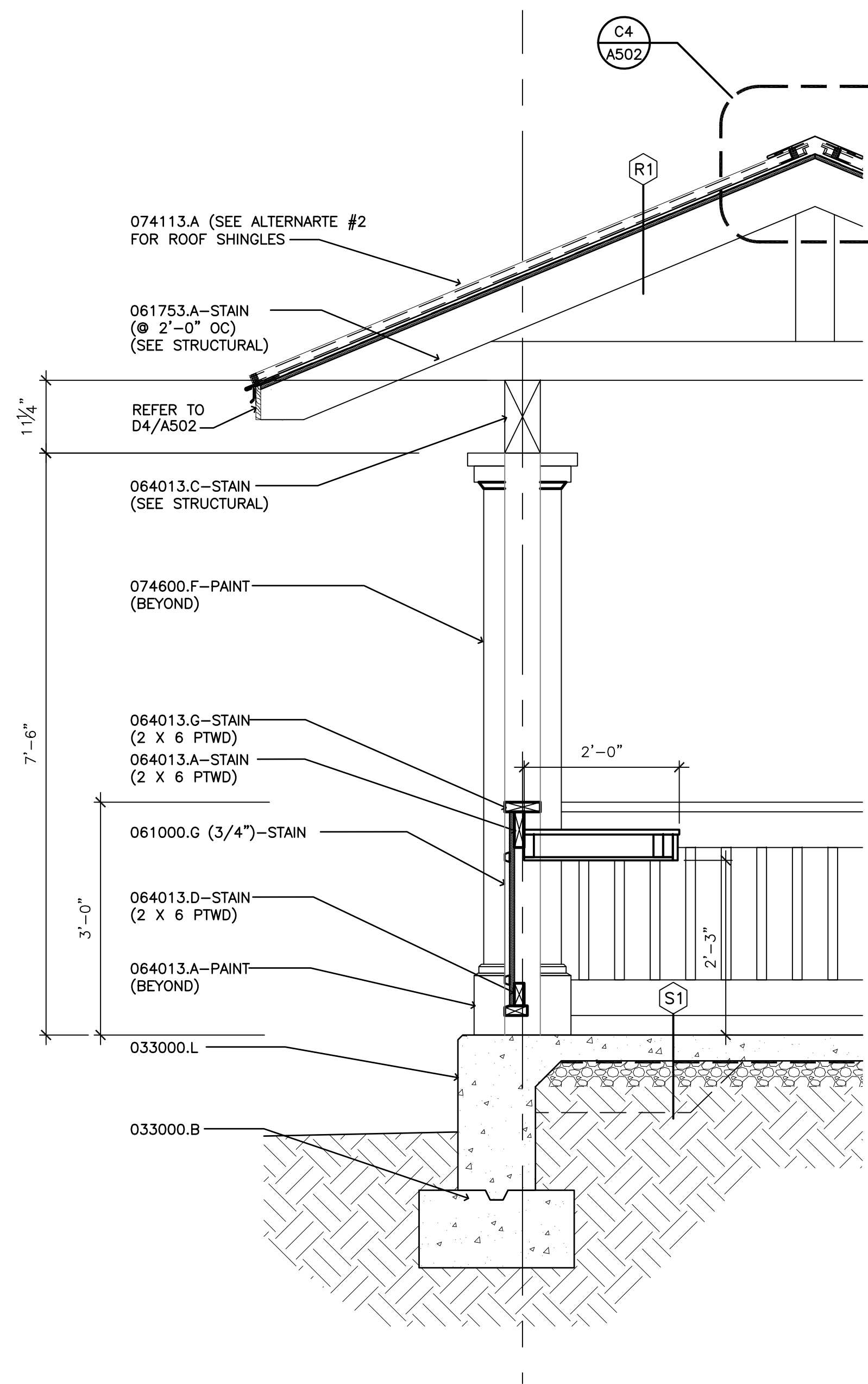
**A1 BUILDING SECTION - SCORE TOWER**  
1/4" = 1'-0"



**A2 BUILDING SECTION - SCORE TOWER**  
1/4" = 1'-0"

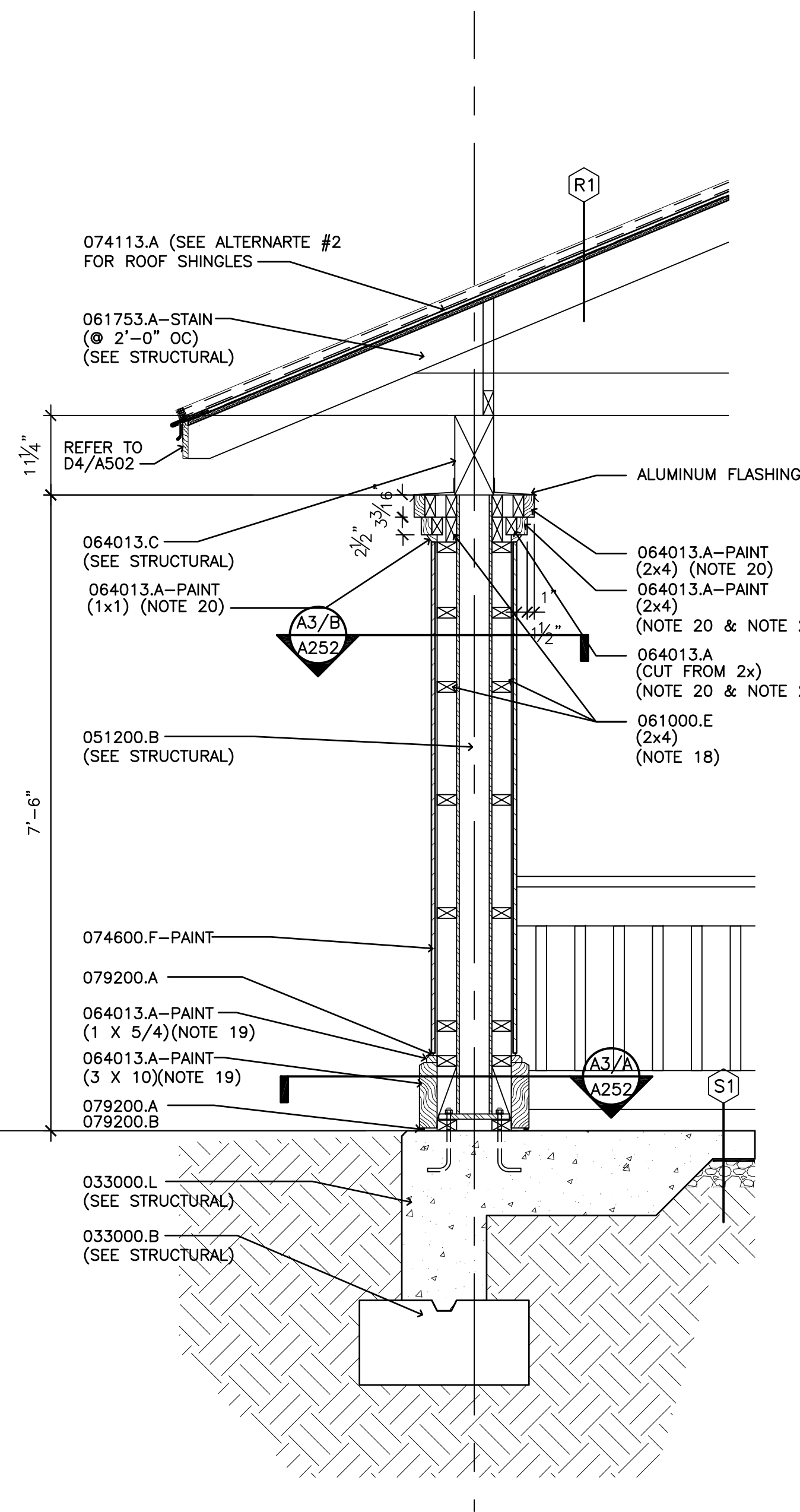


**A3 PLAN DETAILS AT COLUMNS**  
3/4" = 1'-0"

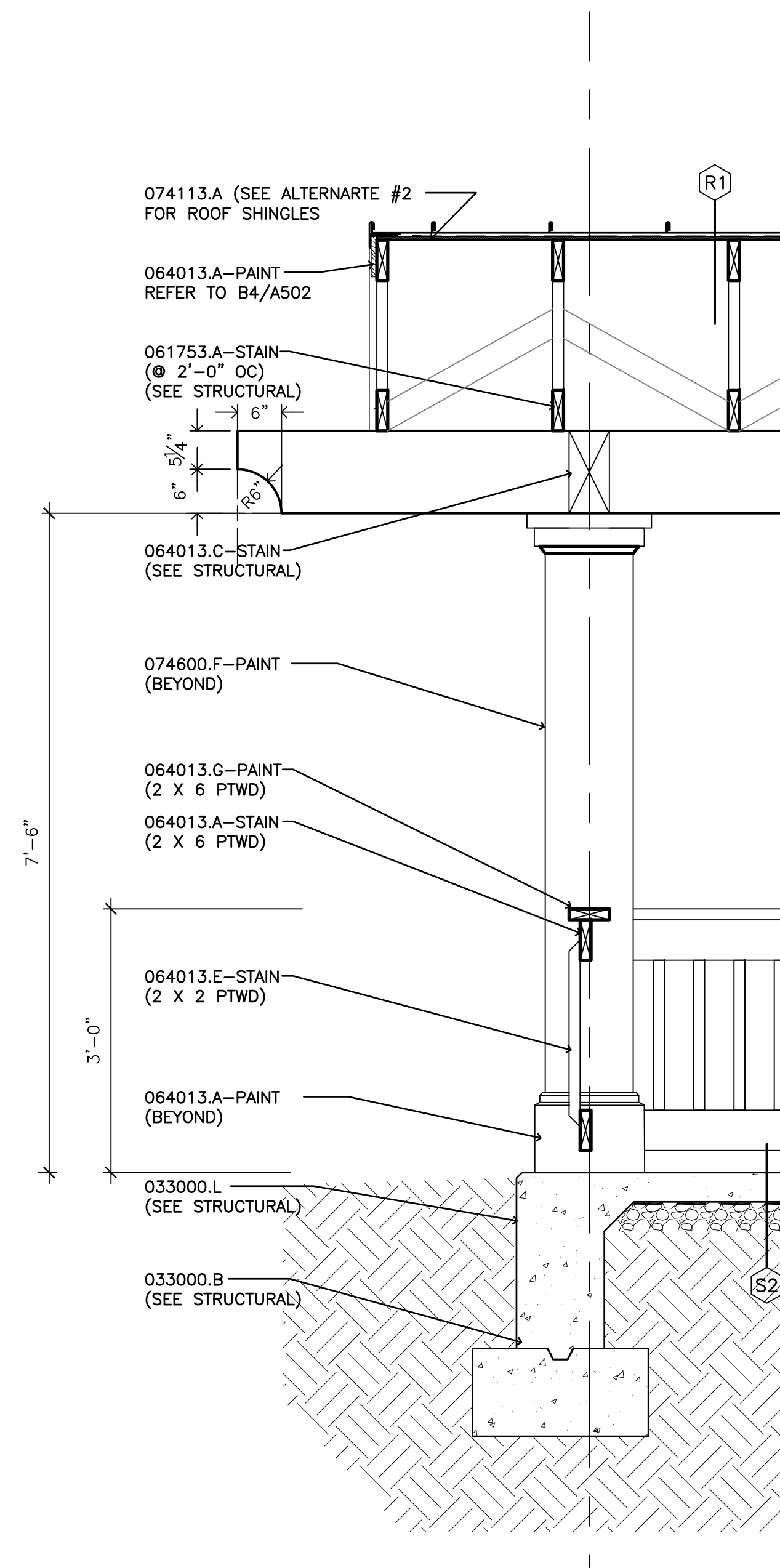


**C1 WALL SECTION - SCORE TOWER**  
3/4" = 1'-0"

SCORE TOWERS [AND DUGOUTS] PAINTING NOTES  
PORTION OF EXPOSED WOOD ROOF JOISTS, BEAMS AND ROOF DECK - STAIN PER SPECIFICATION Section 099300-3.6 (EXTERIOR WOOD-FINISH SYSTEM SCHEDULE).  
PORTION OF EXPOSED WOOD TRIM AND FACIA - PAINT PER SPECIFICATION section 09910-3.6 (EXTERIOR PAINT SCHEDULE) COLOR 2



**C2 WALL SECTION - SCORE TOWER**  
3/4" = 1'-0"



**C3 WALL SECTION - SCORE TOWER**  
3/4" = 1'-0"

**MATERIALS KEYING LEGEND**

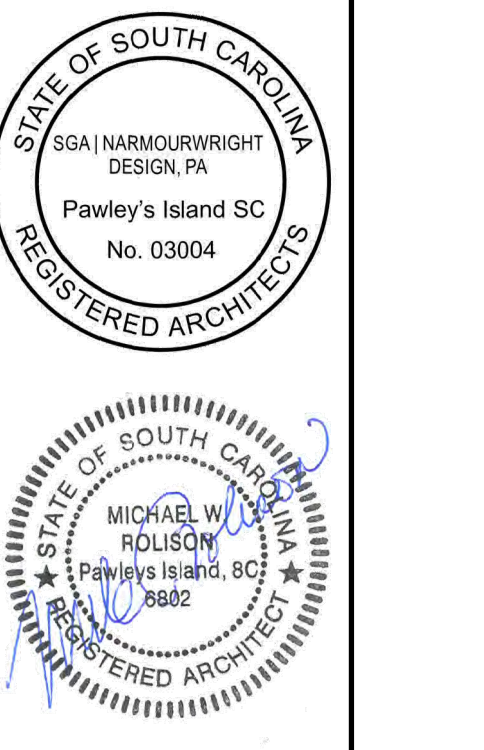
SECTION 033000	CAST IN PLACE CONCRETE
SECTION 042000	UNIT MASONRY
042000.A	FACE BRICK
042000.B	ROWLOCK SOLID BRICK SILL
042000.D	CMU ( )
042000.G	MASONRY JOINT REINFORCEMENT
042000.N	GROUT SOLID
SECTION 051200	STRUCTURAL STEEL
051200.B	STEEL COLUMN
SECTION 061000	ROUGH CARPENTRY
061000.B	WOOD JOIST
061000.C	WOOD RAFTER ( )
061000.G	PLYWOOD
SECTION 064013	EXTERIOR ARCHITECTURAL WOODWORK
064013.A	WOOD TRIM
064013.C	TIMBER BEAM
064013.D	WOOD DECK ( )
064013.E	WOOD PICKET ( )
064013.F	WOOD RISER
064013.G	WOOD RAIL
064013.H	WOOD STRINGER
SECTION 074113	METAL ROOF PANELS
074113.A	METAL ROOF PANEL
SECTION 074600	CEMENT BOARD SIDING
074600.F	CEMENT BOARD TRIM
SECTION 079200	JOINT SEALANTS

**GENERAL NOTES**

- A. ALL EXTERIOR DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, COLUMN CENTERLINE, U.N.O.
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- C. ALL INTERIOR DIMENSIONS ARE TO FACE OF MASONRY U.N.O.
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- J. GENERAL CONTRACTOR SHALL VERIFY THE REQUIREMENTS FOR THE NEED OF THE WALL BLOCKING FOR INSTALLATION OF ALL EQUIPMENT AND FURNISHING. GENERAL CONTRACTOR SHALL ALLOW FUNDS FOR ALL ANTICIPATED BLOCKING AND INCLUDE IT IN THE PUBLISHED FINAL BID SUM.

**NOTES**

1. DASHED LINE INDICATES WALL OR PORCH STRUCTURE BELOW.
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8. LINE OF WALL BASE BELOW.
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10. CONTROL JOINT (CJ) IN THE CONCRETE SLAB - SEE STRUCTURAL FOR ALL LOCATIONS AND REQUIREMENTS. FIELD COORDINATE ALTERNATE LOCATIONS WITH ARCHITECT.
11. NOT USED.
12. NOT USED.
13. NOT USED.
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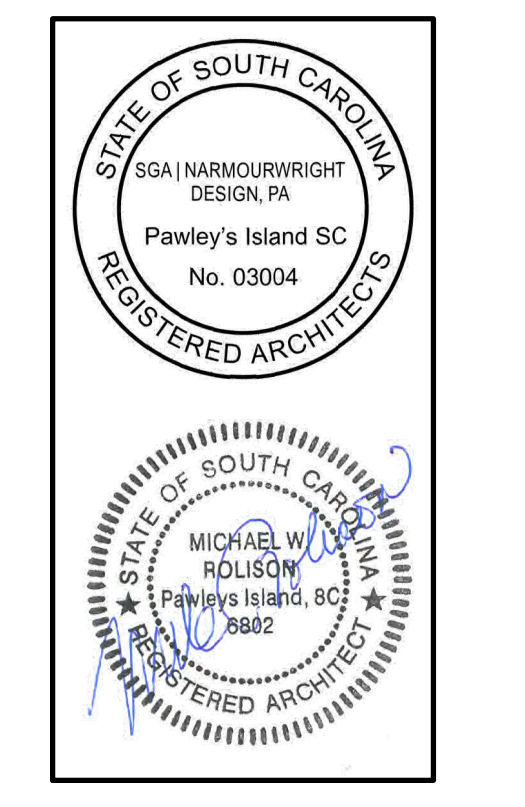
**WAWERLY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAWERLY RD.  
PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER:  
19-004-04-R  
ISSUE DATE:  
02/09/2022  
DRAWN BY: JW / mjr  
CHECKED BY: SGA | NW

Bid Set  
Revised

Revision Schedule		
#	Description	Date

SECTIONS  
DETAILS  
SCORE TOWER



**WAVERLY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

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Bid Set  
Revised

Revision Schedule		
#	Description	Date

WALL SECTIONS  
PLAN DETAILS  
CONCESSION

**A301**

**MATERIALS KEYING LEGEND**

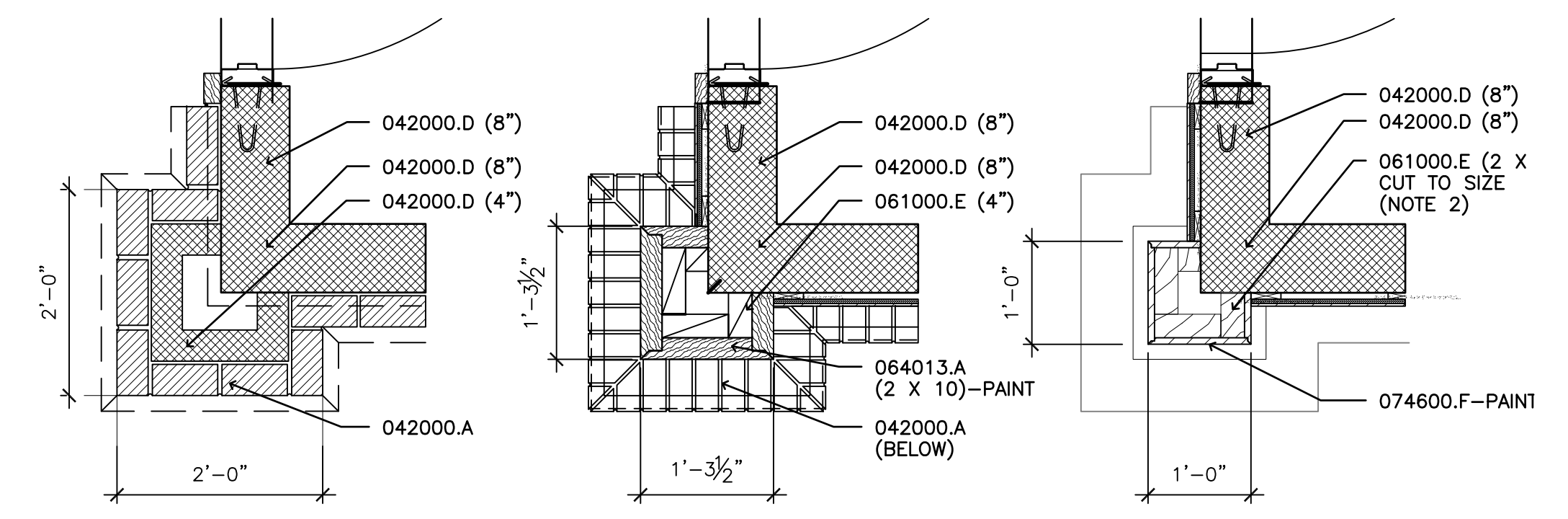
SECTION 033000	CAST-IN-PLACE CONCRETE
033000.E	CONCRETE SLAB-ON-GRADE
SECTION 042000	UNIT MASONRY
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042000.D	CMU (")
042000.G	MASONRY JOINT REINFORCEMENT
SECTION 051200	STRUCTURAL STEEL
051200.B	STEEL COLUMN
SECTION 061000	ROUGH CARPENTRY
061000.C	WOOD RAFTER (")
061000.E	WOOD BLOCKING
061000.H	MARINE GRADE PLYWOOD WITH SOLID EDGE BAND
SECTION 061600	SHEATHING
061600.A	WALL SHEATHING
061600.B	ROOF SHEATHING
SECTION 061753	SHOP-FABRICATED WOOD TRUSSES
061753.A	WOOD TRUSS
SECTION 064013	EXTERIOR ARCHITECTURAL WOODWORK
064013.A	WOOD TRIM
064013.B	TIMBER BRACKET
SECTION 064023	INTERIOR ARCHITECTURAL WOODWORK
064023.G	STAINLESS STEEL COUNTER WRAP
SECTION 072100	THERMAL INSULATION
072100.A	THERMAL INSULATION - WITH VAP. BARR.
SECTION 074113	METAL ROOF PANELS
074113.A	METAL ROOF PANEL
SECTION 074600	SIDING
074600.A	CEMENT BOARD SIDING
074600.F	CEMENT BOARD TRIM
SECTION 083323	OVERHEAD COILING DOORS
083323.A	OVERHEAD COILING DOOR
SECTION 089100	LOUVERS
089100.A	METAL WALL LOUVER

**GENERAL NOTES**

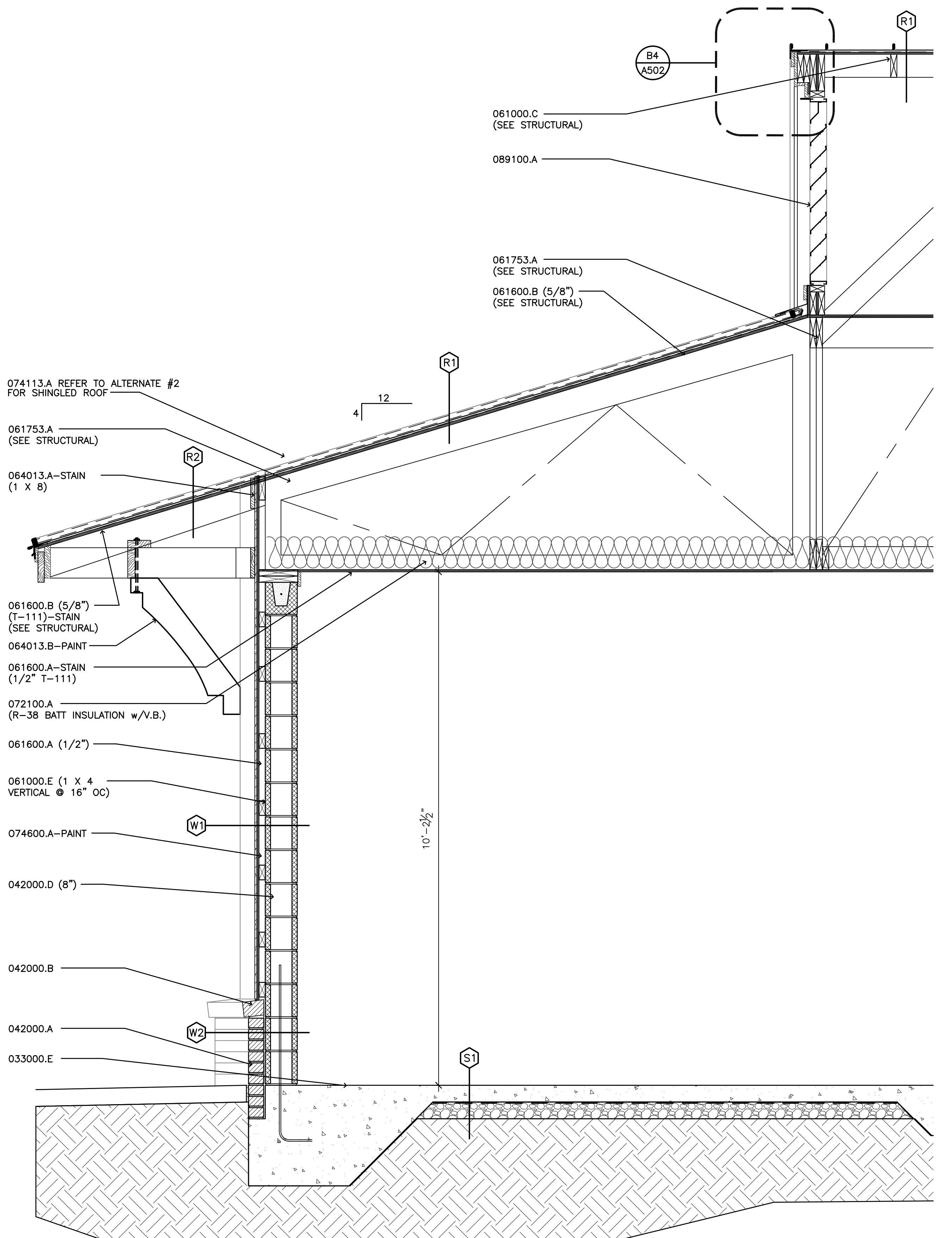
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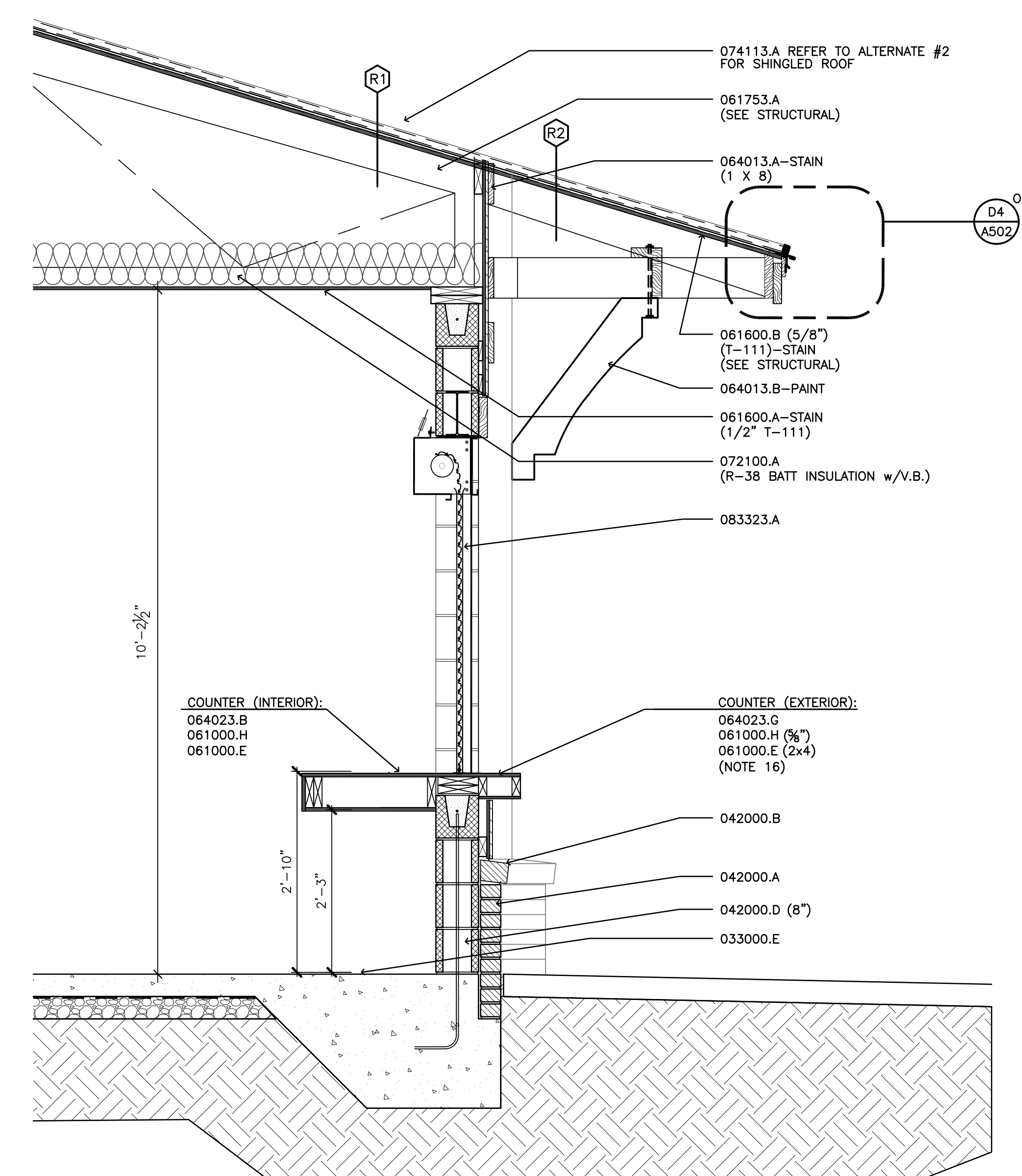
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**A3 PLAN DETAILS - CONCESSION**  
3/4" = 1'-0"



**D1 WALL SECTION - CONCESSION**  
3/4" = 1'-0"



**D3 WALL SECTION - CONCESSION**  
3/4" = 1'-0"

DOOR NUMBER	FRAME						DOOR						
	MAT'L	TYPE	HEAD	JAMB	SILL	FINISH	MAT'L	TYPE	FINISH	SIZE	HWDE	LABEL	NOTES
101A	HM	1	B2/A401	C2,C3/A401	D2/A401	PAINT	HM	F	PAINT	3'-0" X 7'-0" X 1-3/4"	01	-	-
101B	ALUM	0CD	B4/A401	C4/A401	D4/A401	ALUM	ALUM	0CD	ALUM	8'-0" X 5'-0"	02	-	-
101C	ALUM	0CD	B4/A401	C4/A401	D4/A401	ALUM	ALUM	0CD	ALUM	8'-0" X 5'-0"	02	-	-
102	HM	1	B1/A401	C1/A401	-	PAINT	HM	F	PAINT	3'-0" X 7'-0" X 1-3/4"	05	-	-
103	HM	1	B2/A401	C2,C3/A401	D2/A401	PAINT	HM	F	PAINT	3'-0" X 7'-0" X 1-3/4"	03	-	-
104	HM	1	B2/A401	C2,C3/A401	D2/A401	PAINT	HM	F	PAINT	3'-0" X 7'-0" X 1-3/4"	04	-	-
105	HM	1	B2/A401	C2,C3/A401	D2/A401	PAINT	HM	F	PAINT	3'-0" X 7'-0" X 1-3/4"	03	-	-
106	HM	1	B2/A401	C2,C3/A401	D2/A401	PAINT	HM	F	PAINT	3'-0" X 7'-0" X 1-3/4"	03	-	-

ROOM NUMBER	NAME	FLOOR	BASE	SIZE	WALLS				CEILING		NOTES
					NORTH	SOUTH	EAST	WEST	MATERIAL	HEIGHT	
101	CONCESSION	SEALED CONC.	-	-	PT	PT	PT	PT	T-111	10'-2"	PAINTED CEILING
102	JANITOR	SEALED CONC.	-	-	PT	PT	PT	PT	T-111	10'-2"	EXPOSED
103	MENS RESTROOM	SEALED CONC.	-	-	PT	PT	PT	PT	T-111	10'-2"	PAINTED CEILING
104	ELECTRICAL	SEALED CONC.	-	-	PT	PT	PT	PT	T-111	10'-2"	EXPOSED
105	WOMENS RESTROOM	SEALED CONC.	-	-	PT	PT	PT	PT	T-111	10'-2"	PAINTED CEILING
106	FAMILY RESTROOM	SEALED CONC.	-	-	PT	PT	PT	PT	T-111	10'-2"	PAINTED CEILING

MATERIALS KEYING LEGEND

SECTION 033000 CAST-IN-PLACE CONCRETE  
033000.E CONCRETE SLAB-ON-GRADE

SECTION 042000 UNIT MASONRY  
042000.A FACE BRICK  
042000.B ROWLOCK SOLID BRICK SILL  
042000.D CMU ( " )  
042000.E CMU BOND BEAM ( " )  
042000.N GROUT SOLID

SECTION 051200 STRUCTURAL STEEL  
051200.C STEEL ANGLE

SECTION 061000 ROUGH CARPENTRY  
061000.A WOOD WALL FRAMING ( " )  
061000.C WOOD RAFTER ( " )  
061000.E WOOD BLOCKING  
061000.H EXTERIOR GRADE PLYWOOD

SECTION 061600 SHEATHING  
061600.A WALL SHEATHING  
061600.B ROOF SHEATHING  
061600.D BUILDING PAPER  
061600.F DRAINAGE MAT

SECTION 064013 EXTERIOR ARCHITECTURAL WOODWORK  
064013.A WOOD TRIM

SECTION 064023 INTERIOR ARCHITECTURAL WOODWORK  
064023.B MARINE PLYWOOD WITH SOLID EDGE BAND  
064023.G STAINLESS STEEL COUNTER WRAP  
064023.H WOOD TRIM

SECTION 071113 BITUMINOUS DAMPPROOFING  
071113.A BITUMINOUS DAMPPROOFING

SECTION 072100 BUILDING INSULATION  
072100.A BLANKET INSULATION (R-38) w/ VAP. BARR.

SECTION 074113 METAL ROOF PANELS  
074113.A METAL ROOF PANEL  
074113.B RIDGE CLOSURE  
074113.C FASCIA  
074113.G UNDERLAYMENT  
074113.H FASTENER  
074113.L PANEL CLOSURE  
074113.M Z CLOSURE

SECTION 074600 SIDING  
074600.A CEMENT BOARD SIDING  
074600.F CEMENT BOARD TRIM

SECTION 076200 SHEET METAL FLASHING AND TRIM  
076200.D HEAD FLASHING  
076200.J ROOF PENETRATION FLASHING

SECTION 079200 JOINT SEALANTS  
079200.A JOINT SEALER  
079200.B BACKER ROD

SECTION 081113 HOLLOW METAL DOORS AND FRAMES  
081113.A HM DOOR  
081113.B HM FRAME  
081113.D FRAME ANCHOR

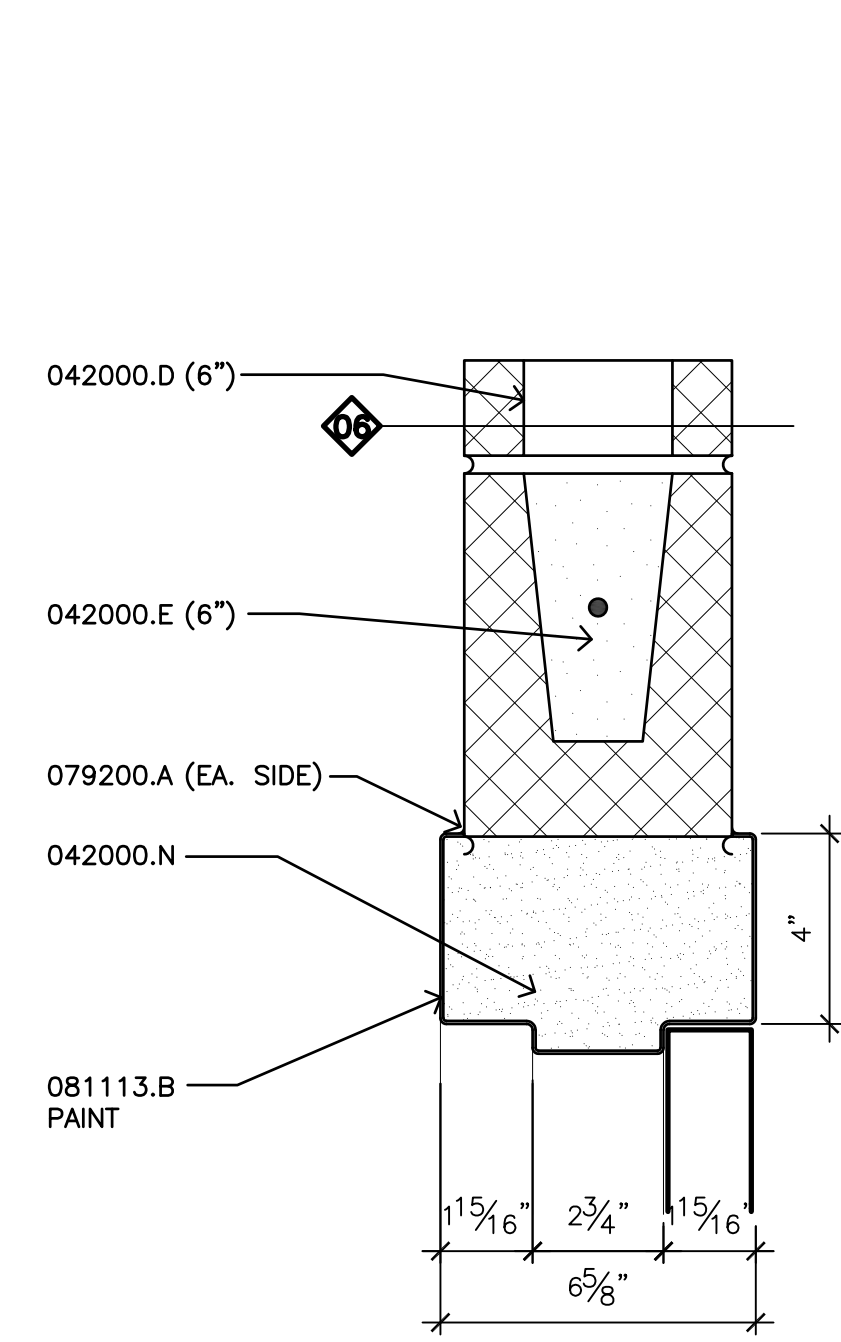
SECTION 083323 OVERHEAD COILING DOORS  
083323.A OVERHEAD COILING DOOR  
083323.B COILING DOOR TRACK

SECTION 087100 DOOR HARDWARE  
087100.A ALUMINUM THRESHOLD

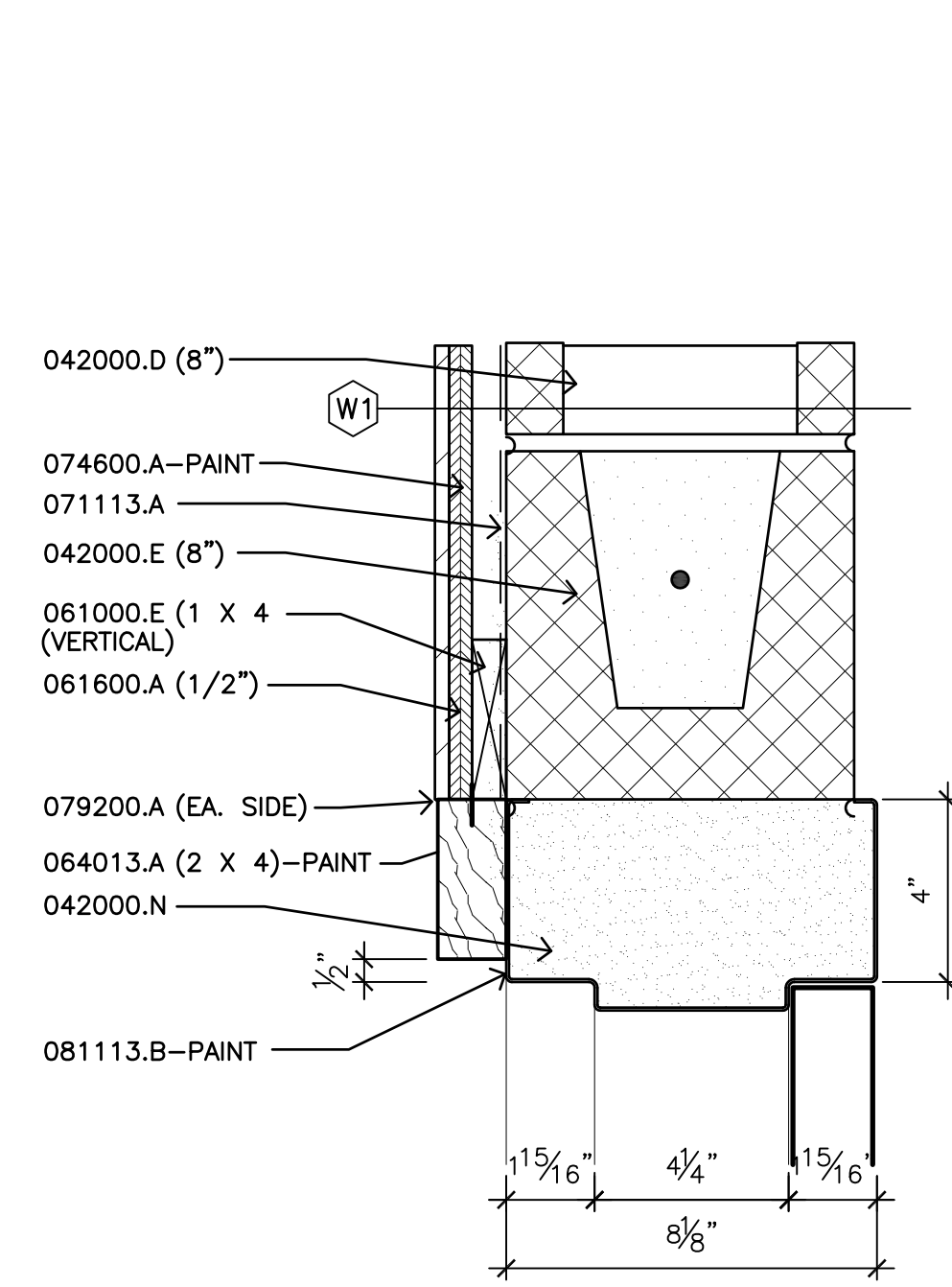
SECTION 092900 GYPSUM BOARD ASSEMBLIES  
092900.A GYPSUM BOARD

NOTES

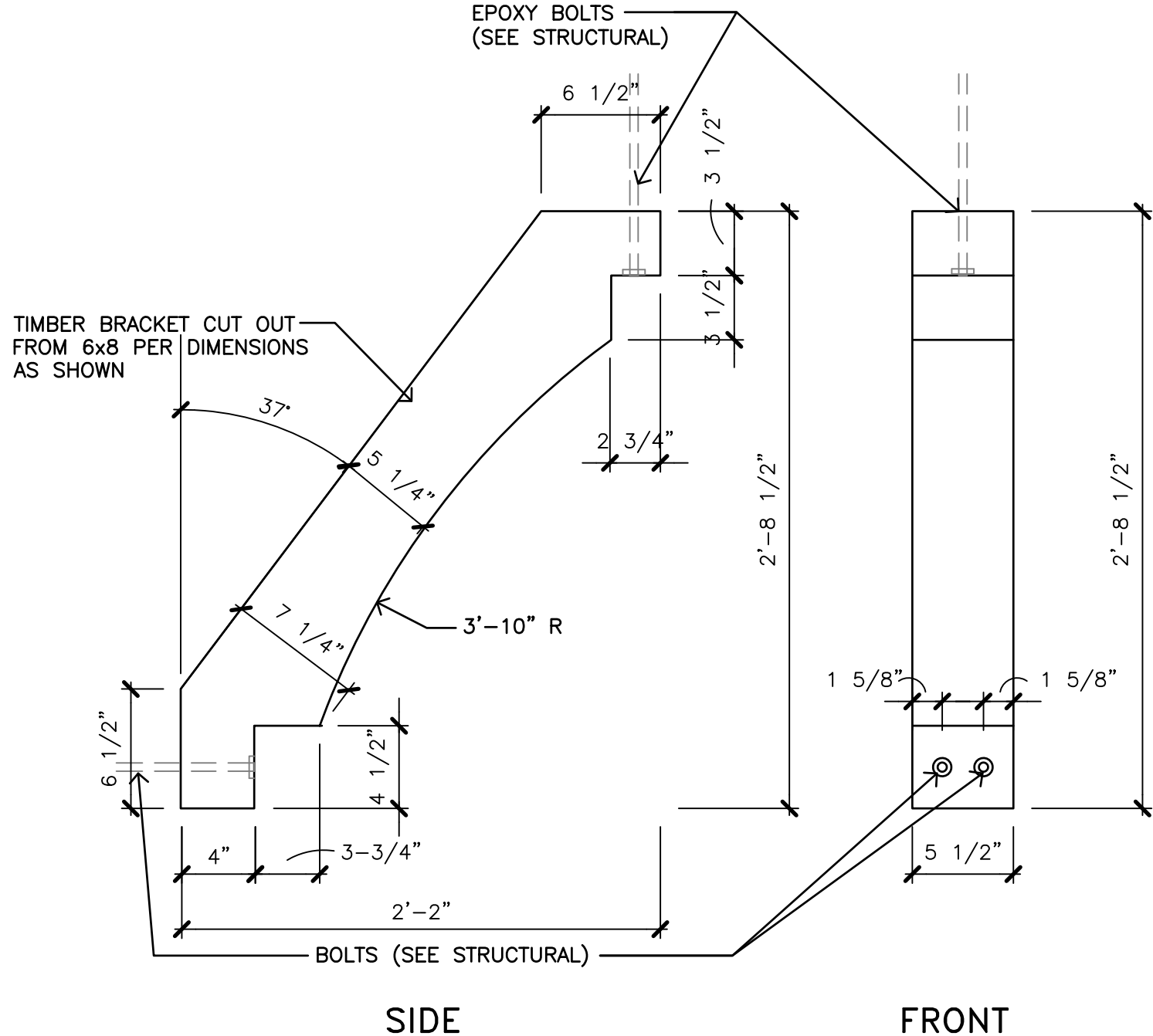
- DASHED LINE INDICATES WALL OR PORCH STRUCTURE BELOW.
- SOLID LINE INDICATES EAVE AND RAKE PROJECTIONS AND VALLEYS AND RIDGES.
- DRINKING FOUNTAINS - SEE PLUMBING.
- VENDING MACHINES LOCATION, VENDING MACHINES ARE NOT IN CONTRACT. ONLY ELECTRICAL AND PLUMBING CONNECTIONS TO BE PROVIDED IN THIS CONTRACT.
- ROLLING COUNTER SHUTTER - SEE SPECS.
- LINE OF ROOF ABOVE.
- LINE OF FLOOR SLAB EXTENTS.
- LINE OF WALL BASE BELOW.
- THROUGH-WALL HVAC UNIT - SEE MECHANICAL.
- CONTROL JOINT (CJ) IN THE CONCRETE SLAB - SEE STRUCTURAL FOR ALL LOCATIONS AND REQUIREMENTS. FIELD COORDINATE ALTERNATE LOCATIONS WITH ARCHITECT.
- NOT USED.
- NOT USED.
- NOT USED.
- PROVIDE PORTABLE FIRE EXTINGUISHER - LARSEN'S MFG CO: MP5 WITH 1521 BRACKET, OR APPROVED EQUAL. MOUNT AT 48" AFF. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- SEE STRUCTURAL FOR BRACKET AND BLOCKING ATTACHMENT & THROUGH BOLT AT EACH BRACKET. BLOCKING FOR ATTACHMENT AT THE ROOF EAVES TO BE CONTINUOUS BETWEEN ALL EXPOSED ENDS OF RAFTERS AND OUTRIGGERS AT ALL EAVES REGARDLESS IF THERE IS BRACKET PRESENT OR NOT.
- STAINLESS STEEL WRAP TO BE CONTINUOUS AND SEAMLESS AROUND EXTERIOR AND INTERIOR PORTIONS OF THE COUNTER AS SHOWN.
- DO NOT EXTEND PLYWOOD CEILING PANELS INTO ELECTRICAL 104 OR JANITOR 102.
- USE POWDER ACTUATED FASTENERS OR SELF TAPPING SCREWS TO ACCOMMODATE BASE MATERIAL THICKNESS AT COLUMN TO ATTACH BLOCKING TO STEEL COLUMN- USE IT AS OFTEN AS EACH SINGLE LOCATION REQUIRES.
- PTWD KDAT TRIM TOP EDGE TO BE CHAMFERED 3/8" MIN. AND TO BE MITERED AT ALL CORNERS.
- PTWD KDAT TRIM CUT TO DIMENSIONS (TREAT ALL CUTS) AND TO BE MITERED AT ALL CORNERS.
- NOT USED
- PTWD KDAT TRIM CUT TO DIMENSIONS (TREAT ALL CUTS) AND TO BE MITERED AT ALL CORNERS.
- LINTEL - SEE STRUCTURAL.



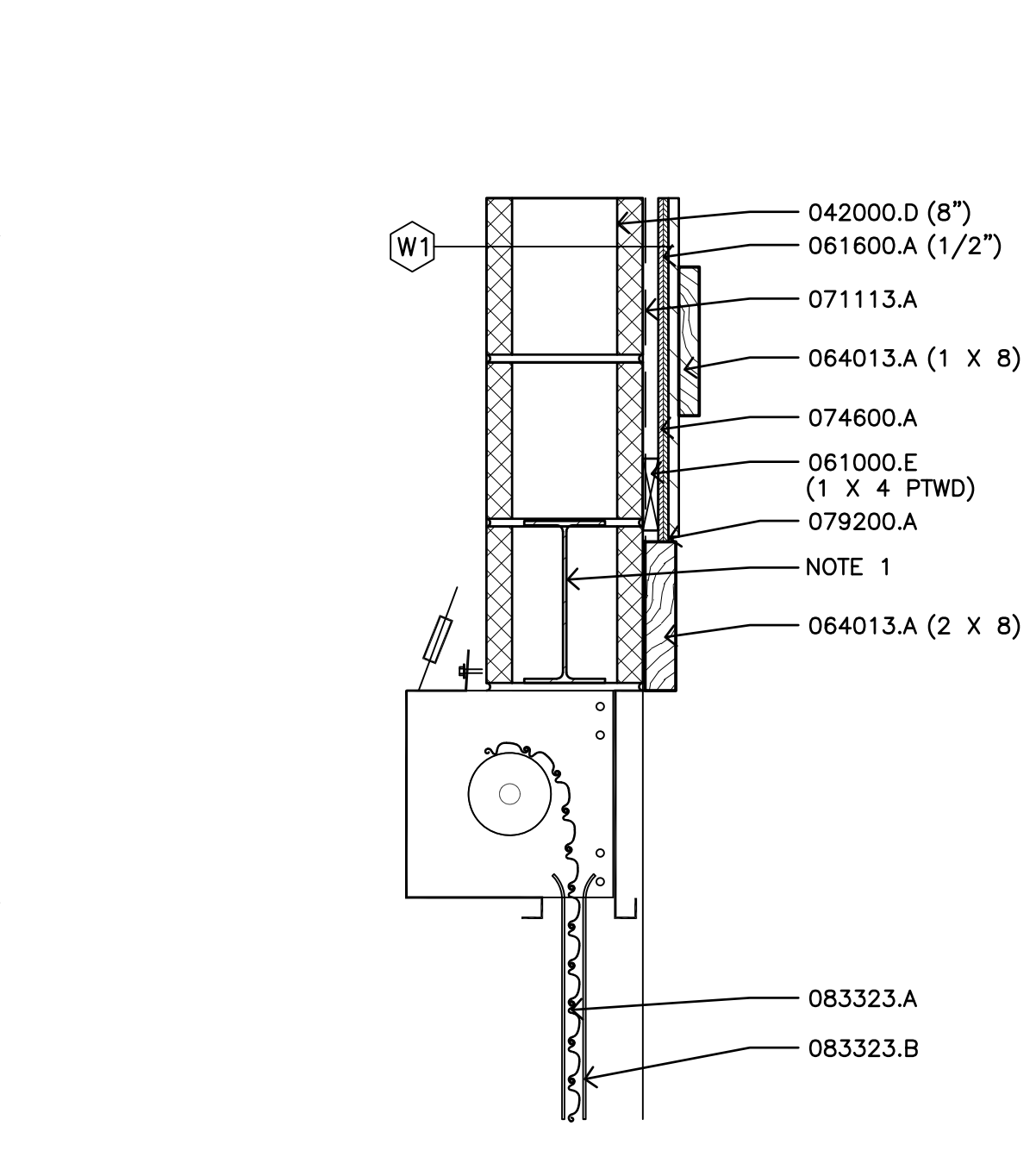
B1 HM HEAD DETAIL  
3' = 1'-0"



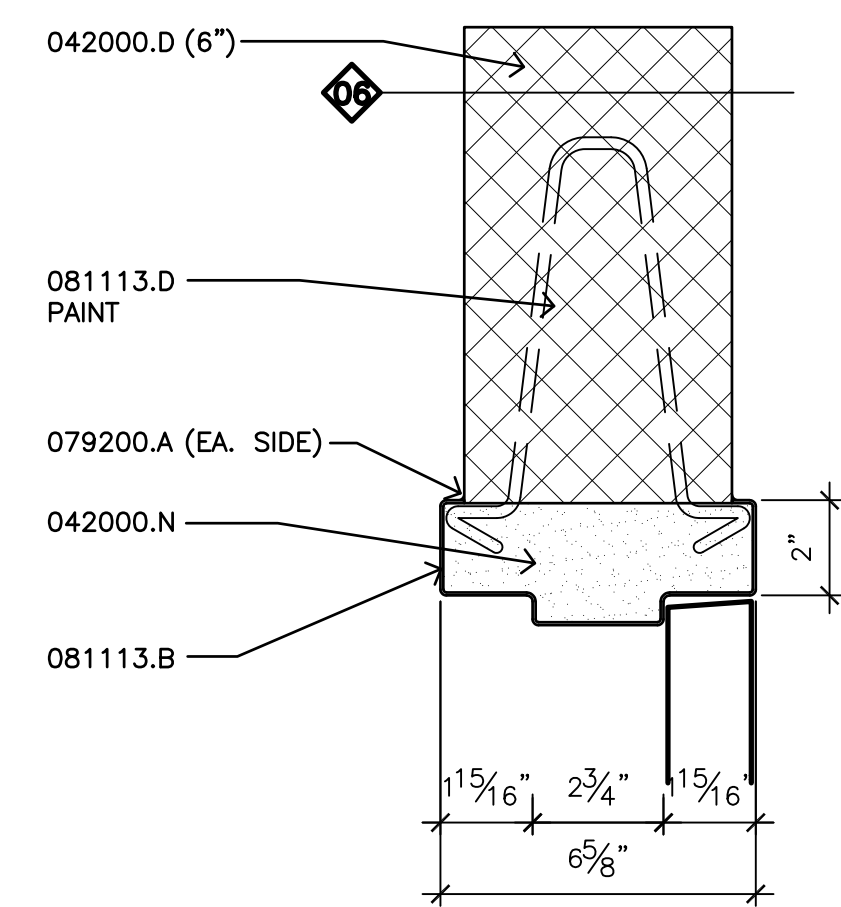
B2 HM HEAD DETAIL  
3' = 1'-0"



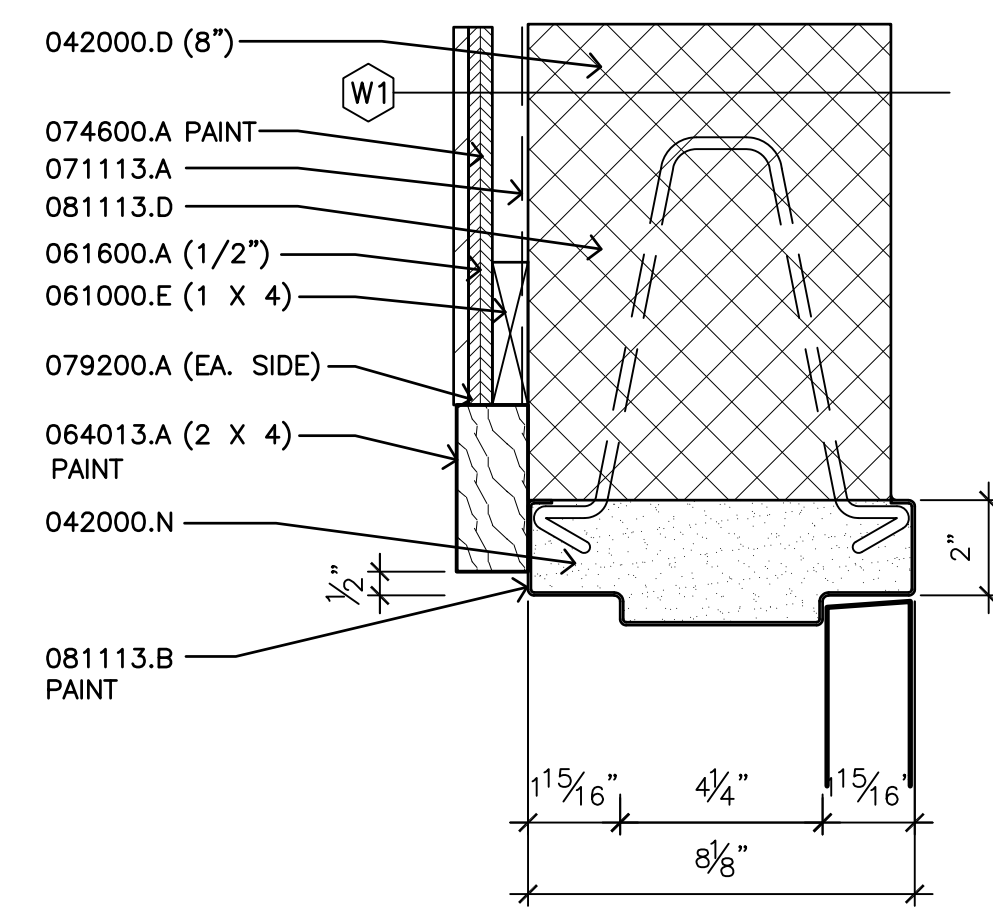
B3 TIMBER BRACKET DETAIL  
1 1/2" = 1'-0"



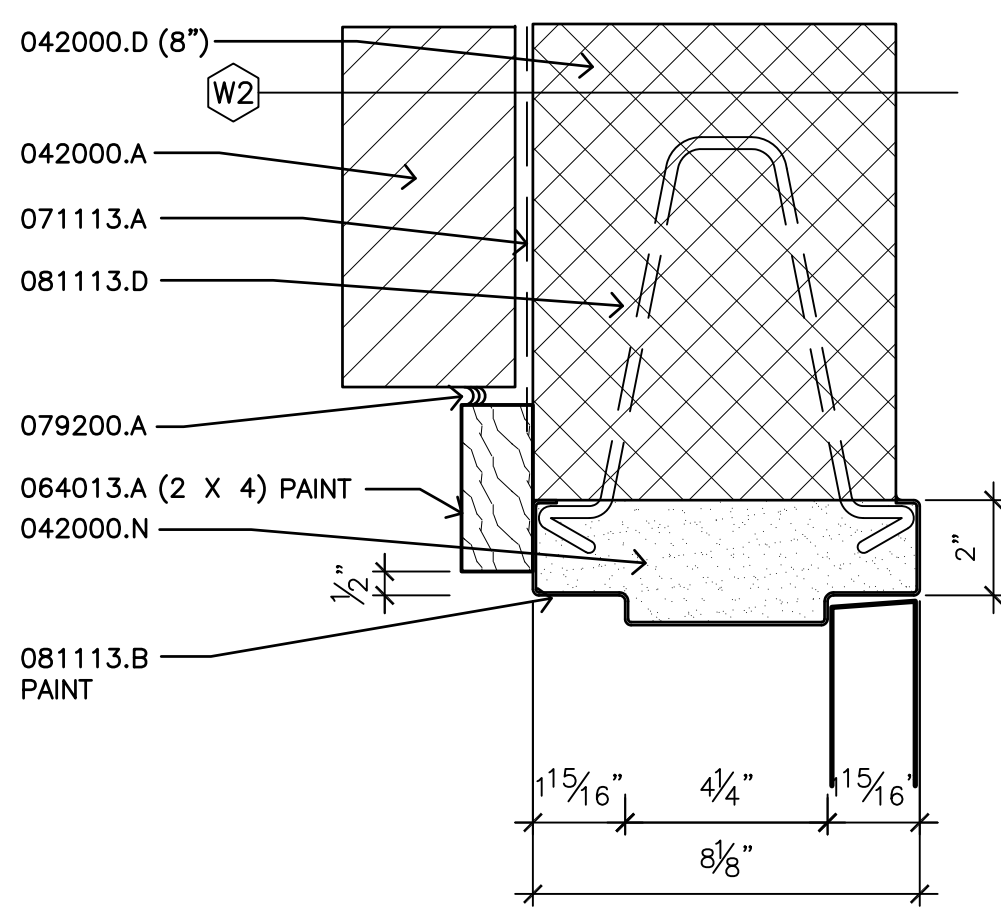
B4 COILING DOOR HEAD DETAIL  
1 1/2" = 1'-0"



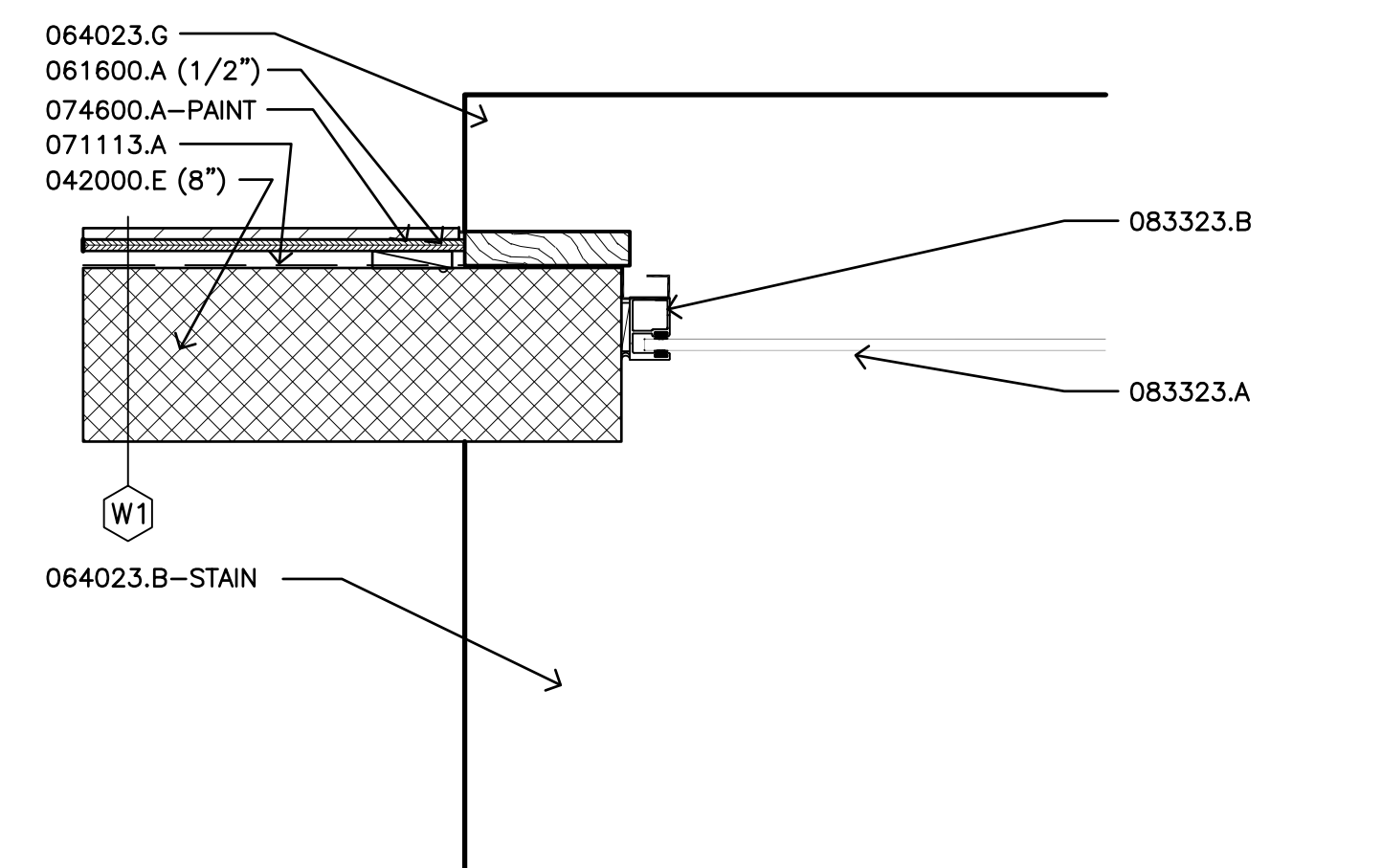
C1 HM JAMB DETAIL  
3' = 1'-0"



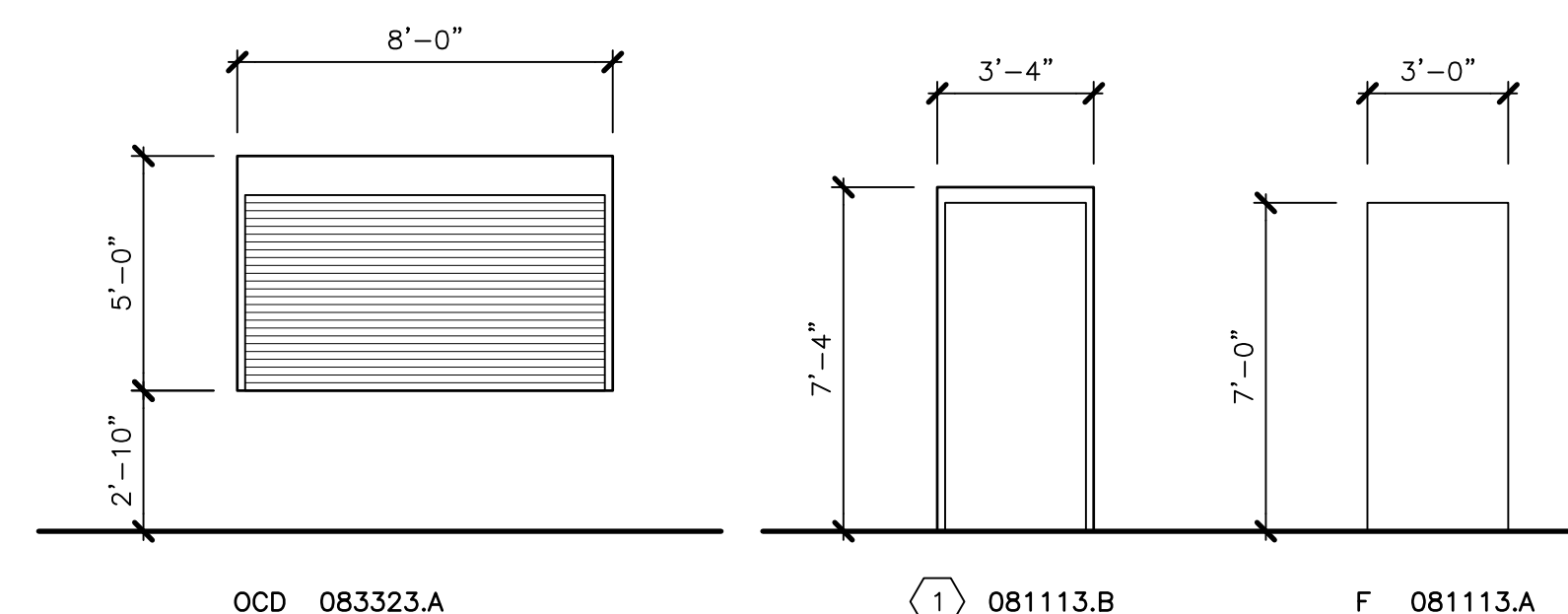
C2 HM JAMB DETAIL  
3' = 1'-0"



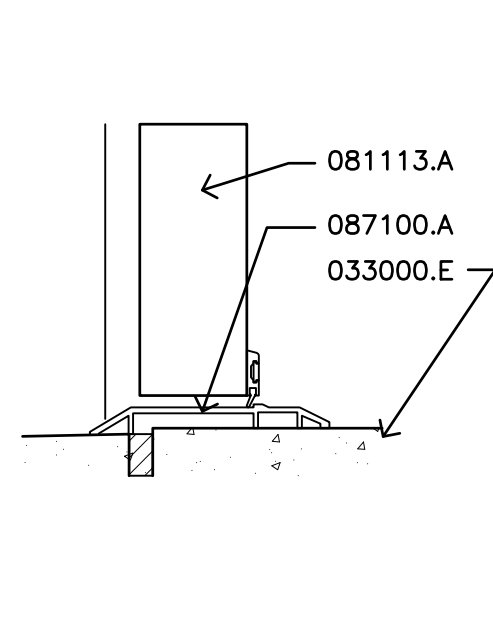
C3 HM JAMB DETAIL  
3' = 1'-0"



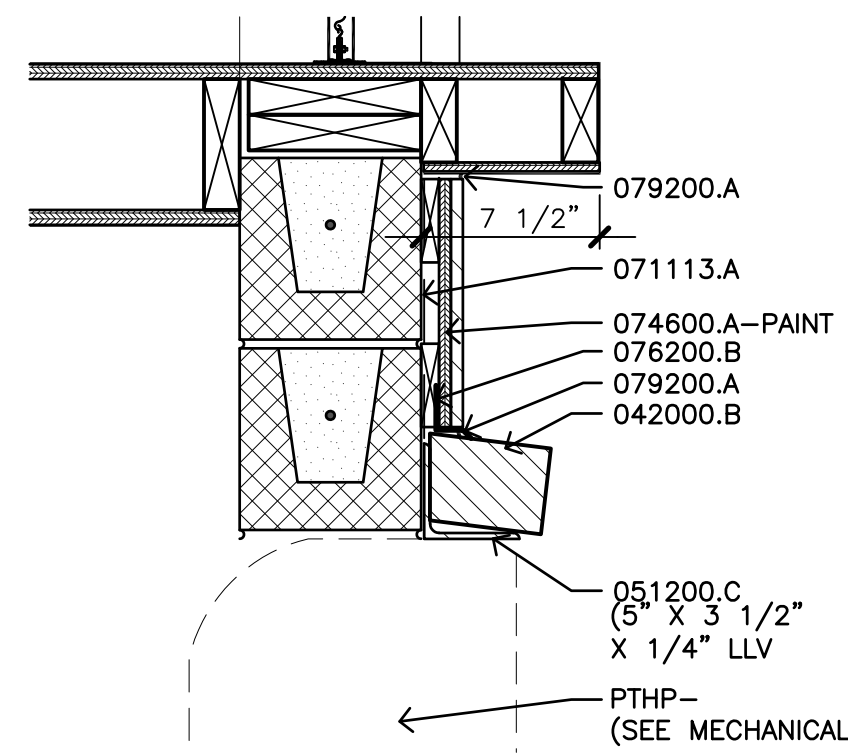
C4 COILING DOOR JAMB DETAIL  
1 1/2" = 1'-0"



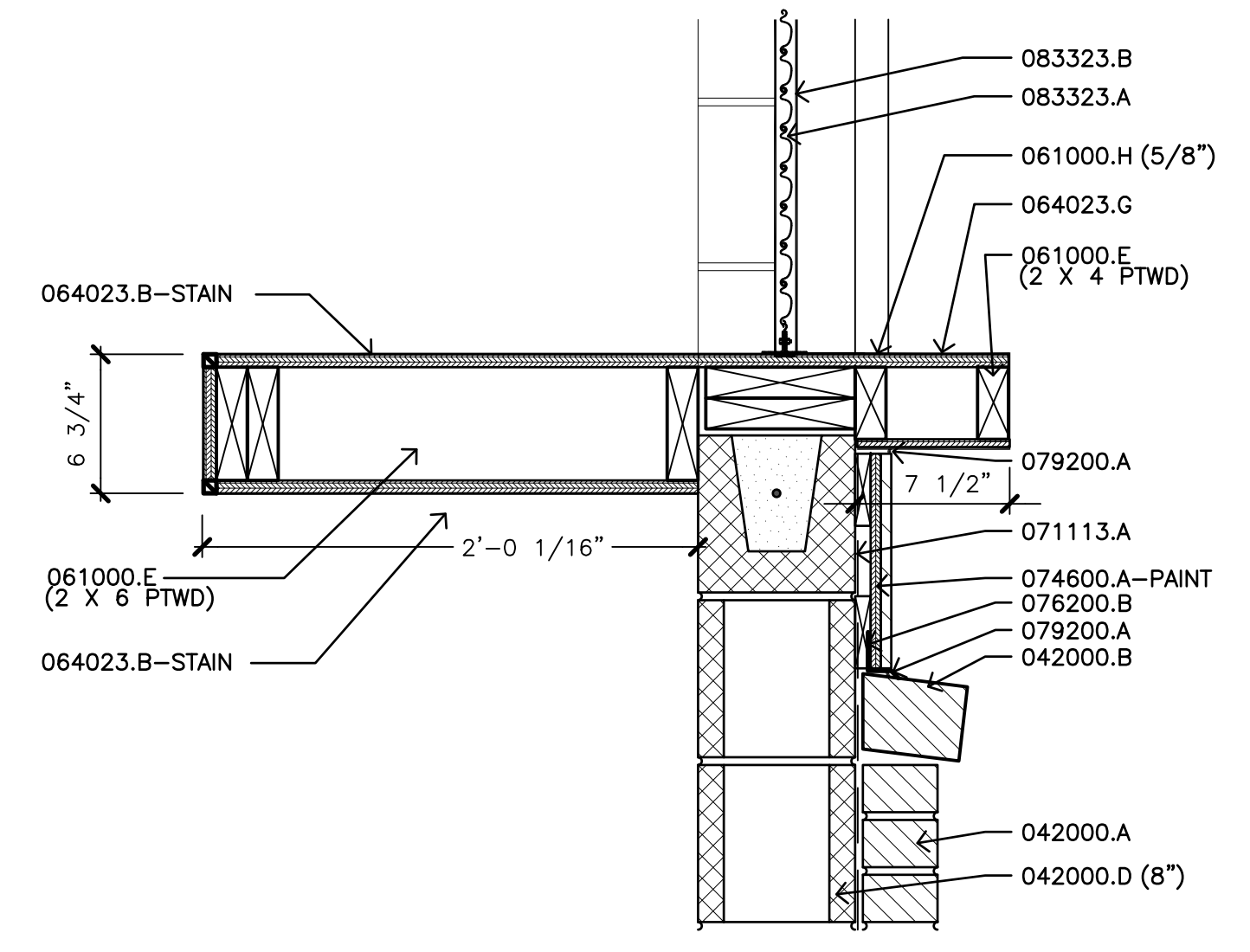
D1 FRAME & DOOR ELEVATIONS  
1/4" = 1'-0"



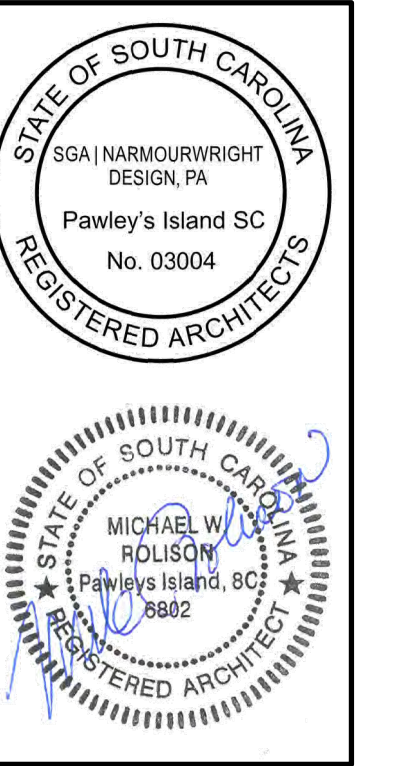
D2 THRESHOLD DETAIL  
3' = 1'-0"



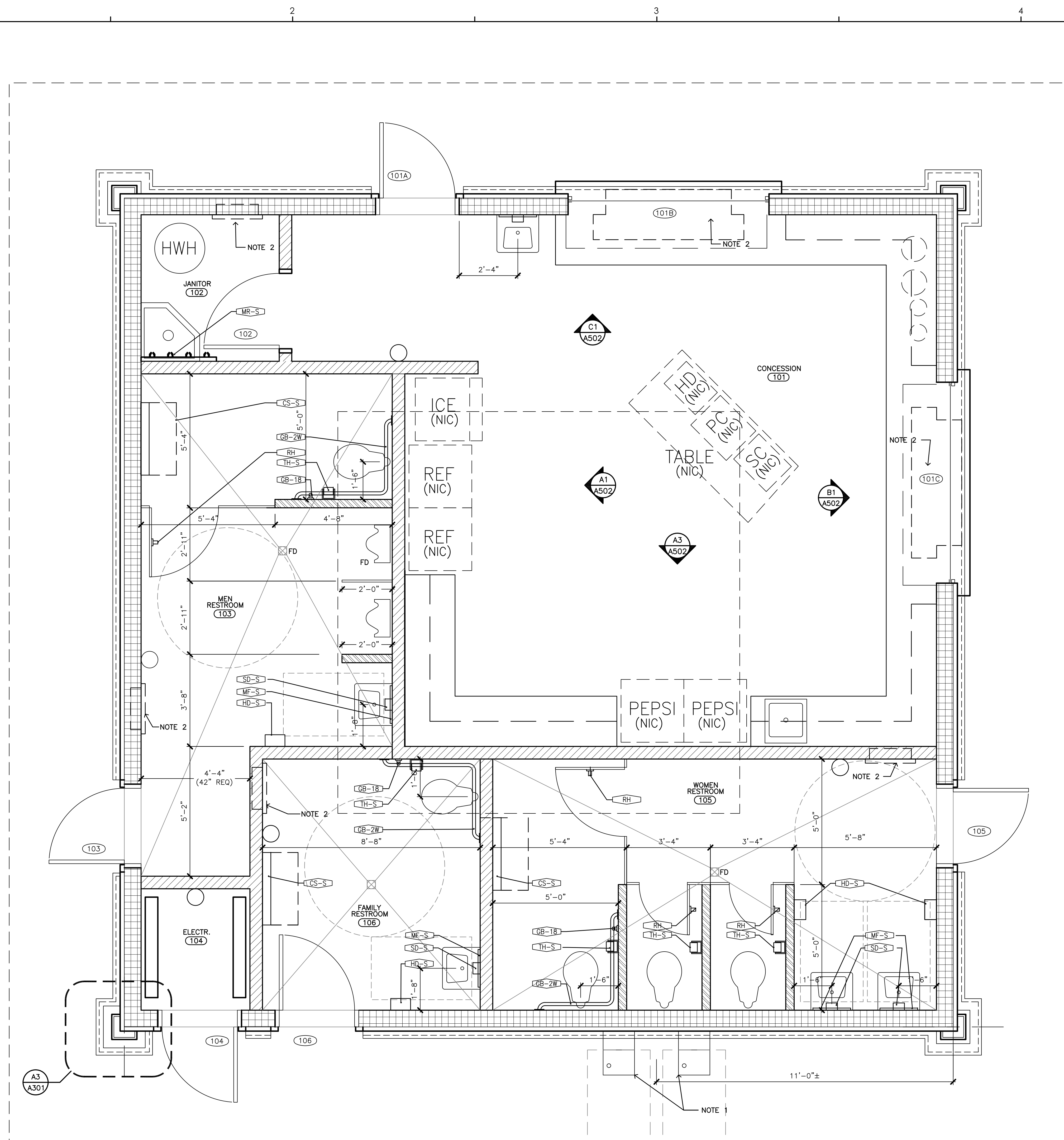
D3 DETAIL AT PTHP  
3' = 1'-0"



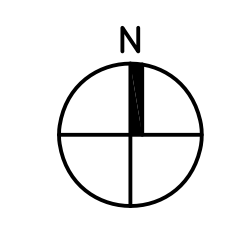
D4 COILING DOOR JAMB DETAIL  
1 1/2" = 1'-0"



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#	Description	Date



**C1 ENLARGED RESTROOM & JANITOR PLAN**  
1/2" = 1'-0"



**GENERAL NOTES**

- A. ALL EXTERIOR DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, COLUMN CENTERLINE, U.N.O.
- B. ALL DOORS/FRAMES ARE DIMENSIONED TO THE MASONRY OPENINGS. REFER TO MANUFACTURER'S DATA FOR OVERALL ROUGH OPENING REQUIREMENTS FOR EACH TYPE OF DOOR & WINDOW.
- C. ALL INTERIOR DIMENSIONS ARE TO FACE OF MASONRY U.N.O.
- D. WINDOW DISTRIBUTOR & THEREFORE WINDOW MANUFACTURER ARE RESPONSIBLE FOR PROVIDING WINDOWS AND GLAZING PER DESIGN CRITERIA (SEE STRUCTURAL) AND ALL APPLICABLE CODES.
- E. ALL EXTERIOR EXPOSED WOOD TO BE PRESSURE TREATED PER INDUSTRY STANDARDS & REQUIREMENTS.
- F. ALL EXPOSED WOOD STRUCTURAL MEMBERS AND DECKING, LOUVERS, AND WOOD TRIM FOR TRANSPARENT FINISH SHALL BE THE SAME SPECIES.
- G. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT OF ANY POSSIBLE CONFLICTS PRIOR TO INITIATING ANY WORK IN QUESTION.
- H. ALL GENERAL CONTRACTORS AND SUB CONTRACTORS ARE TO REVIEW ARCHITECTS DRAWINGS & SPECIFICATIONS AS WELL AS ENGINEER'S DRAWINGS & SPECIFICATIONS AND COORDINATE EACH WITH THEIR SPECIFIC FIELD. REFER ANY QUESTIONS OR CONFLICTS TO ARCHITECT DURING BID & NEGOTIATION PROCESS WITHIN THE REQUIRED TIME FOR PROPER RESPONSE, AND INCLUSION OF ANSWERS AND REVISIONS IF ANY, INTO THE BID PROPOSAL. ALL QUESTIONS/ANSWERS SHALL OCCUR AND BE RESOLVED BEFORE BID OPENING. GENERAL CONTRACTOR, OR SUBCONTRACTOR, OR ANY VENDOR WHO IS PROVIDING ANY MATERIAL AND/OR SYSTEM FOR THIS PROJECT SHALL SIGN OFF ON THE FORM IN THE BID DOCUMENTS SPECIFICALLY NOTING THAT ALL CONSTRUCTION DOCUMENTS (DRAWINGS AND SPECIFICATIONS) WERE REVIEWED AND COMPLIANCE TO IT IS INCLUDED IN THEIR BID PROPOSAL.
- I. WHEN DRAWINGS AND SPECIFICATIONS DO NOT AGREE, ARCHITECT SHALL DECIDE WHICH IS CORRECT AND TO BE FURNISHED, SUPPLIED AND OR INSTALLED UNDER THIS CONTRACT. CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST RESTRICTIVE OR COSTLY ALTERNATIVE.
- J. GENERAL CONTRACTOR SHALL VERIFY THE REQUIREMENTS FOR THE NEED OF THE WALL BLOCKING FOR INSTALLATION OF ALL EQUIPMENT AND FURNISHING. GENERAL CONTRACTOR SHALL ALLOW FUNDS FOR ALL ANTICIPATED BLOCKING AND INCLUDE IT IN THE PUBLISHED FINAL BID SUM.

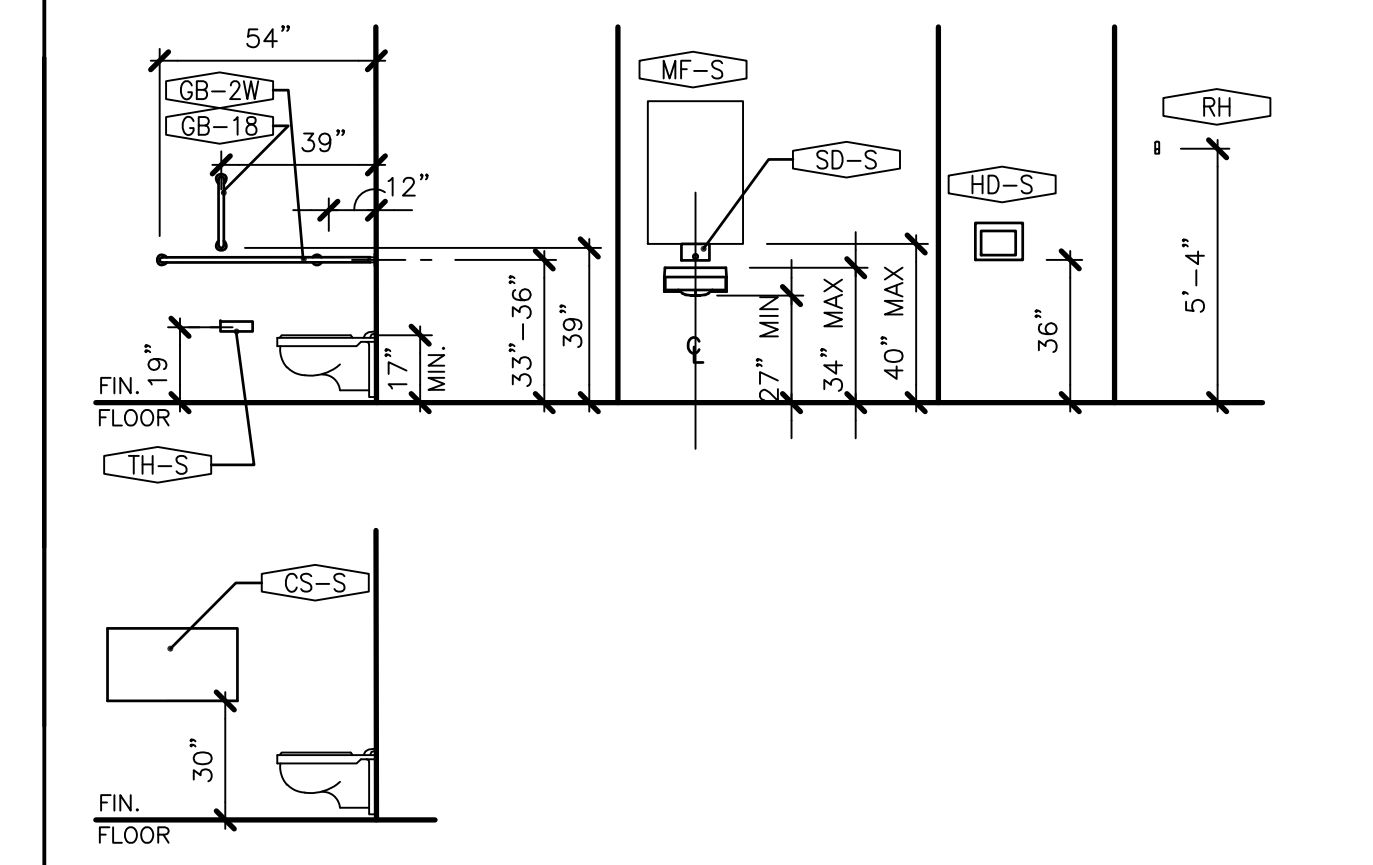
**NOTES**

- 1. DRINKING FOUNTAIN - SEE PLUMBING.
- 2. WALL HVAC UNIT - SEE MECHANICAL.
- 3. SUPPLIED BY OWNER AND INSTALL BY CONTRACTOR.

**RESTROOM ACCESSORIES LEGEND**

- MF-S 24" W x 36" H STAINLESS STEEL MIRROR, FRAMELESS, SURFACE MOUNTED
- RH ROBE HOOK
- TH-S TOILET TISSUE DISPENSER, SINGLE, SURFACE MOUNTED - N.I.C. (SEE NOTE 3)
- SD-S SOAP DISPENSER, SURFACE MOUNTED - N.I.C. (SEE NOTE 3)
- HD-S ELECTRIC HAND DRYER, SURFACE MOUNTED
- GB-2W HORIZONTAL TWO-WALL GRAB BAR - 36"x54"
- GB-18 VERTICAL GRAB BAR - 18"
- MR-S MOP RACK - SURFACE MOUNTED
- CS-S BABY CHANGING STATION - SURFACE MOUNTED

**RESTROOM ACCESSORIES DIAGRAMS**



**GENERAL CONTRACTOR NOTES:**  
1. WHERE THE OWNER ELECTS TO PROVIDE TOILET ACCESSORIES IN LIEU OF THOSE SPECIFIED, THE CONTRACTOR WILL COORDINATE INSTALLATION OF IT WITH THE OWNER AND THEIR VENDOR, FIELD CONDITIONS, MILLWORK, PLUMBING FIXTURES, ETC.

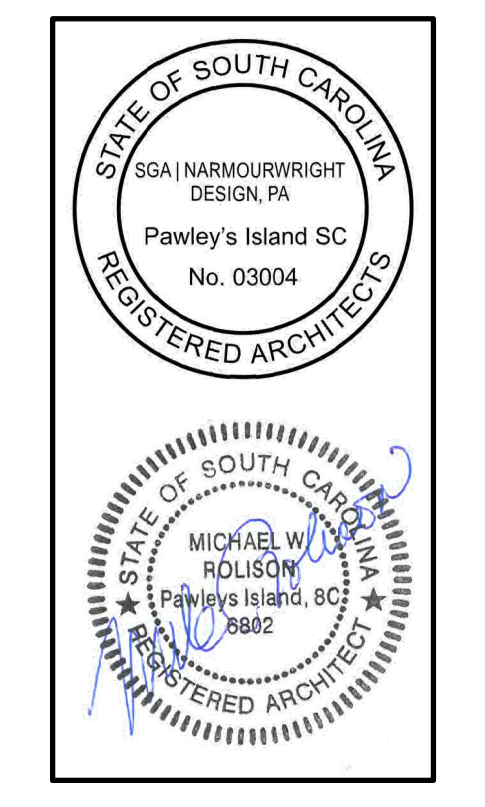
**WALL LEGEND**

- 8" CMU - EXTERIOR WALL TO BE TERMINATED @ 10'-0" A.F.F..
- 6" CMU - INTERIOR WALL TO BE TERMINATED @ 10'-0" A.F.F..
- 4" CMU - INTERIOR WALL TO BE TERMINATED @ 8'-0" A.F.F..

**SGA**  
**NarmourWright**  
DESIGN

8263 Ocean Highway  
Pawleys Island, SC 29585  
p 843.237.3421  
www.sganwdesign.com

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**WAVERLY PARK**  
AT  
**WACCAMAW ELEMENTARY SCHOOL**  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER:  
19-004-04-R  
ISSUE DATE:  
02/09/2022  
DRAWN BY: JW / mr  
CHECKED BY: SGA | NW

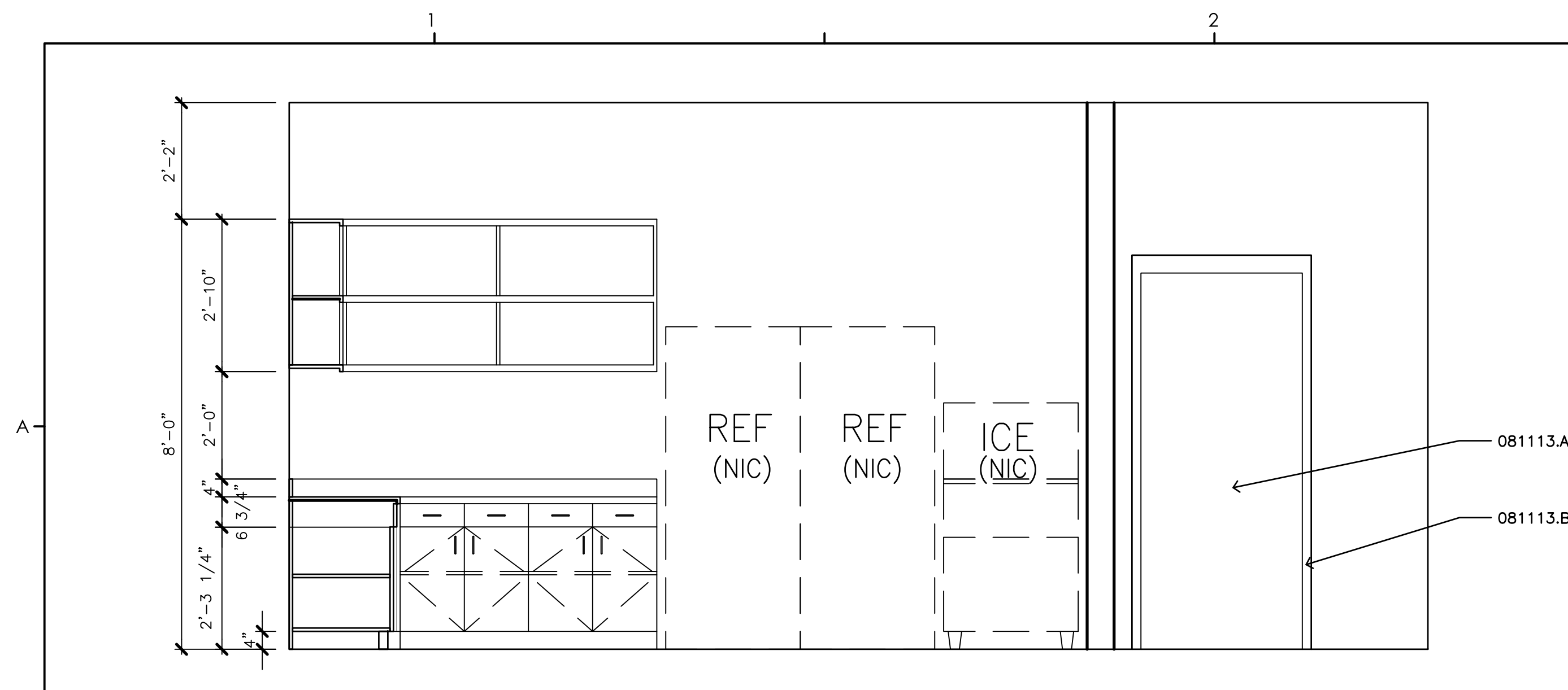
Bid Set  
Revised

Revision Schedule		
#	Description	Date

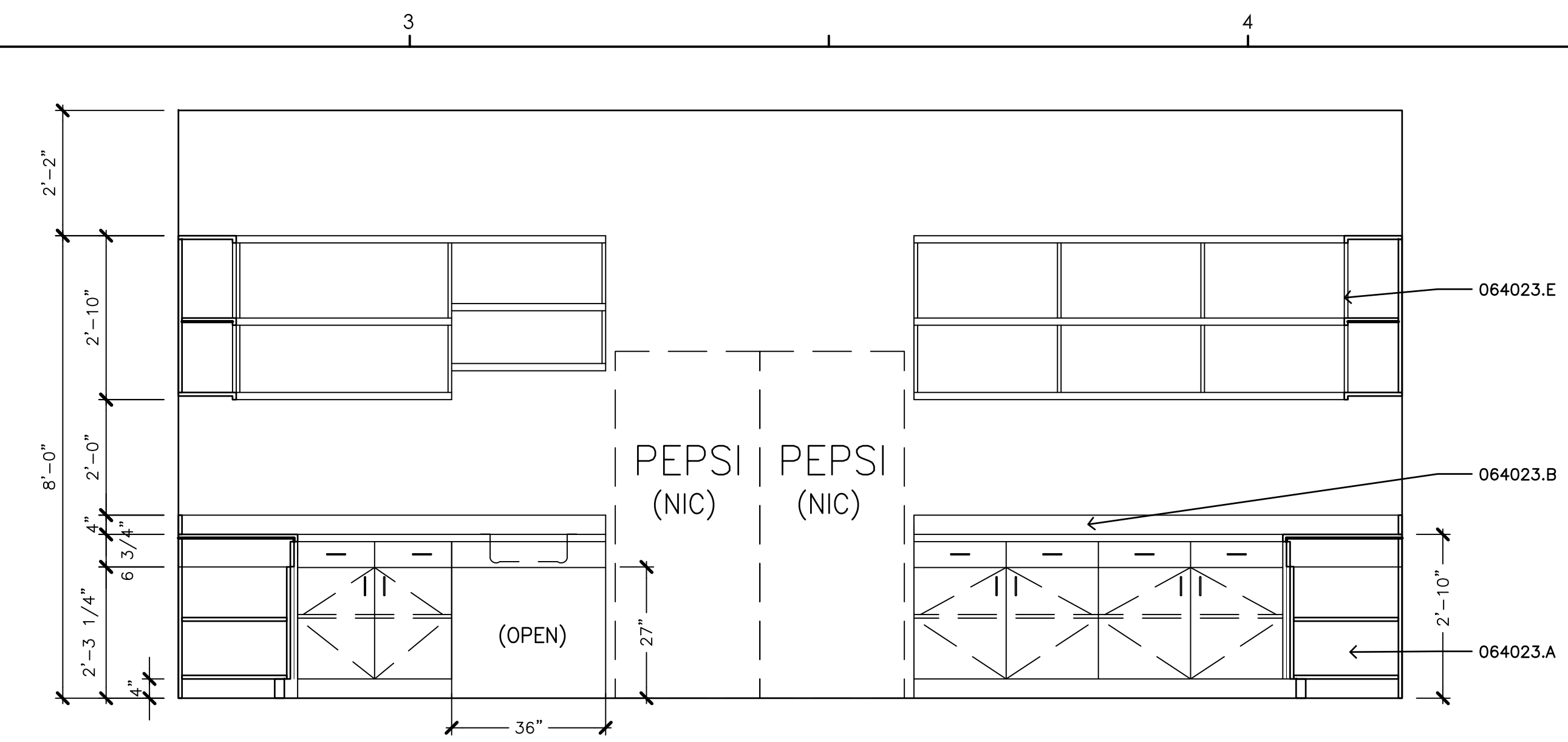
ENLARGED  
RESTROOMS  
PLAN

**A501**

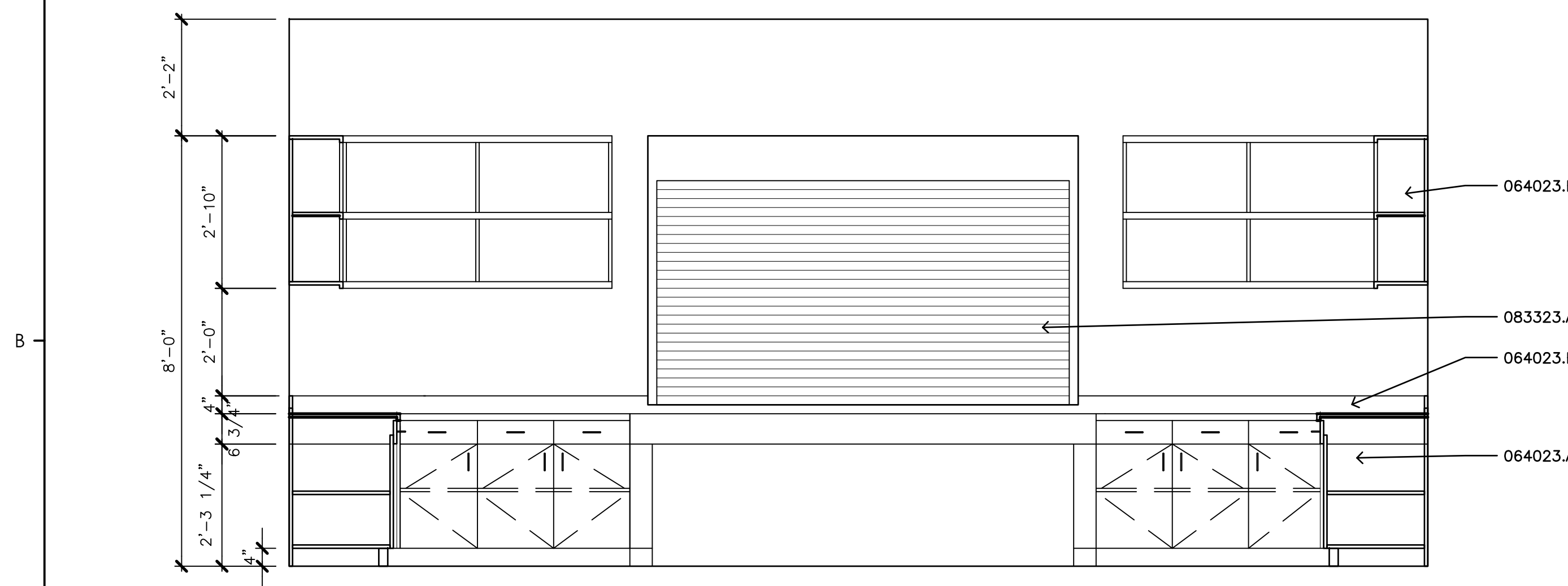




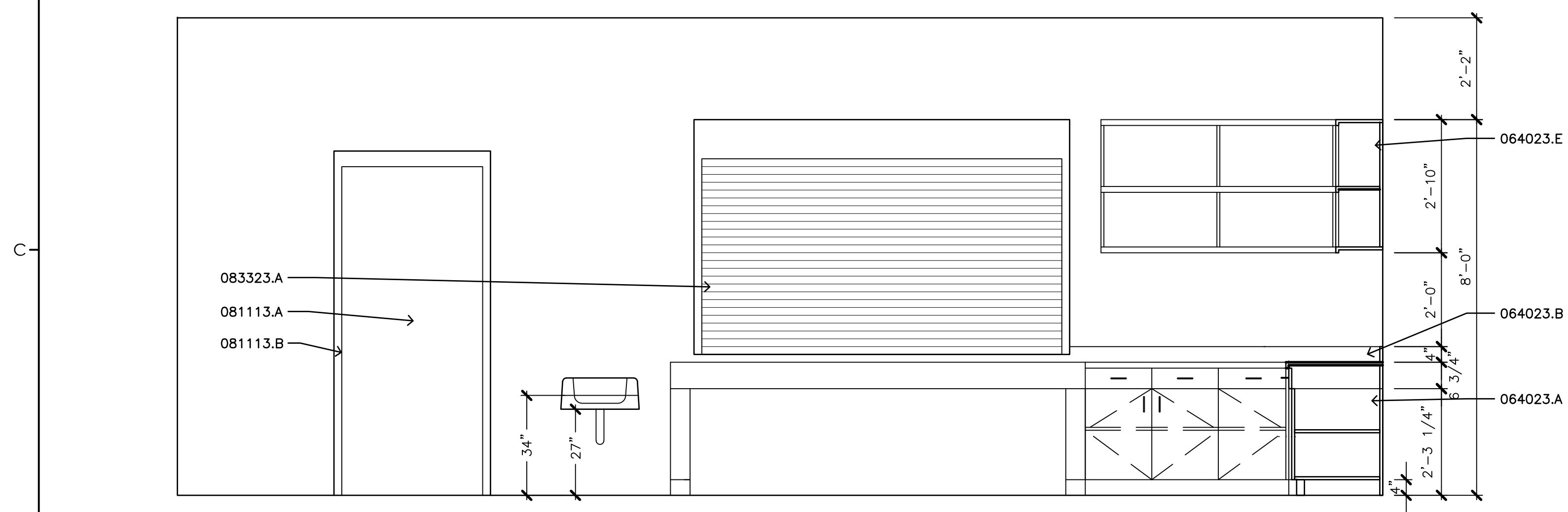
**A1 INTERIOR ELEVATION**  
1/2" = 1'-0"



**A3 INTERIOR ELEVATION**  
1/2" = 1'-0"



**B1 INTERIOR ELEVATION**  
1/2" = 1'-0"

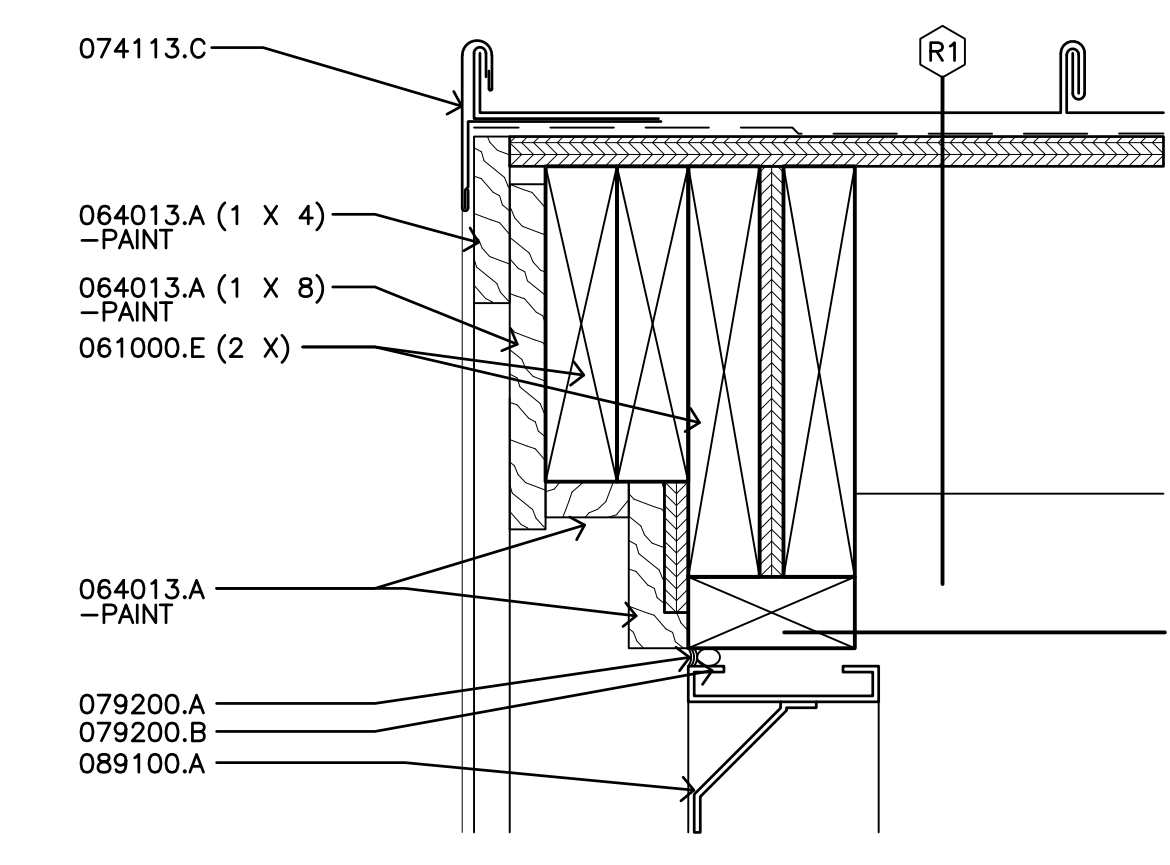


**C1 INTERIOR ELEVATION**  
1/2" = 1'-0"

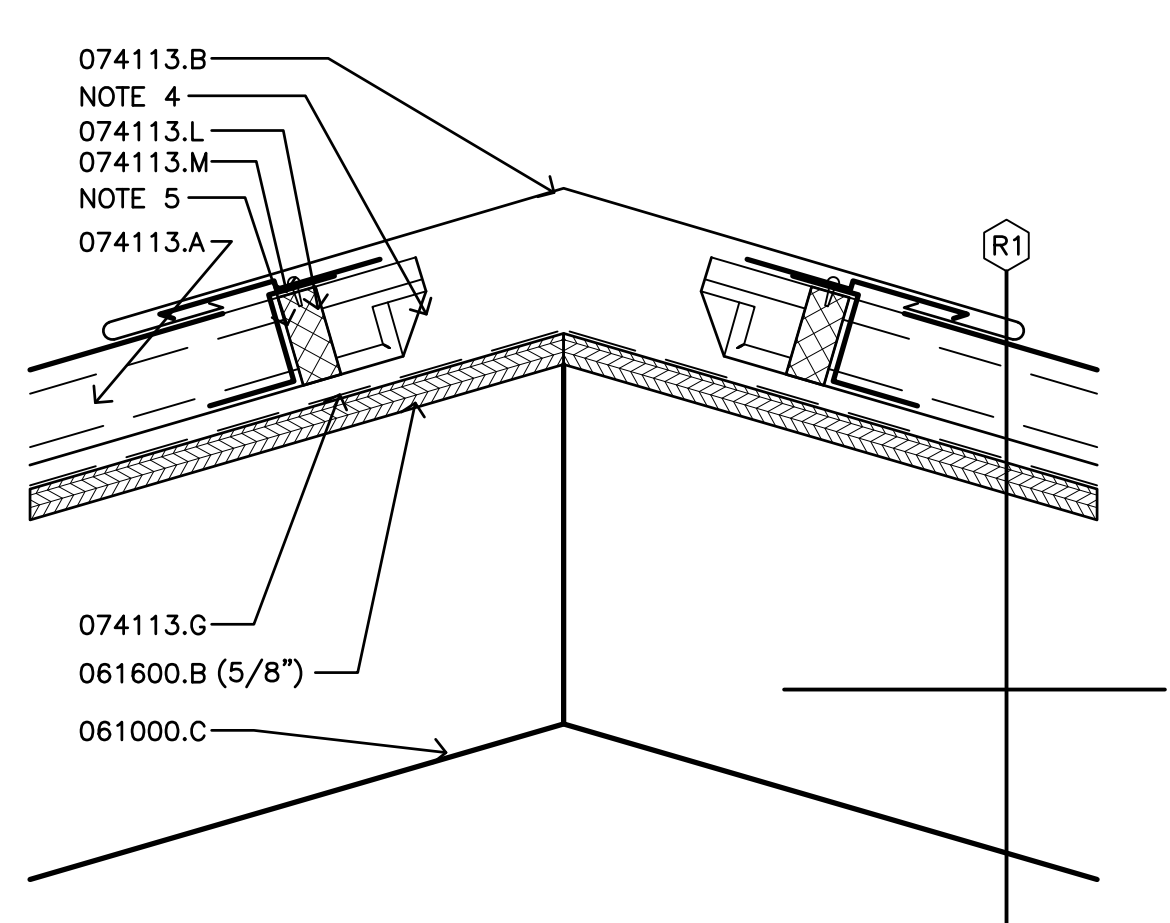
**MATERIALS KEYING LEGEND**

SECTION 061000 ROUGH CARPENTRY	061000.C WOOD RAFTER (")	061000.E WOOD BLOCKING
SECTION 061600 SHEATHING	061600.B ROOF SHEATHING	
SECTION 064013 EXTERIOR ARCHITECTURAL WOODWORK	064013.A WOOD TRIM	
SECTION 064023 INTERIOR ARCHITECTURAL WOODWORK	064023.B PLASTIC LAMINATE COUNTERTOP	064023.C STAINLESS STEEL COUNTER WRAP
	064023.E OPEN SHELF	
SECTION 074113 METAL ROOF PANELS	074113.A METAL ROOF PANEL	074113.B RIDGE CLOSURE
	074113.C FASCIA	074113.G UNDERLAYMENT
	074113.H FASTENER	074113.L PANEL CLOSURE
	074113.M Z CLOSURE	
SECTION 076200 SHEET METAL FLASHING AND TRIM	076200.J ROOF PENETRATION FLASHING	
SECTION 079200 JOINT SEALANTS	079200.A JOINT SEALER	079200.B BACKER ROD
SECTION 081113 HOLLOW METAL DOORS AND FRAMES	081113.A HM DOOR	081113.B HM FRAME
SECTION 083323 OVERHEAD COILING DOORS	083323.A OVERHEAD COILING DOOR	
SECTION 089100 LOUVERS	089100.A METAL WALL LOUVER	

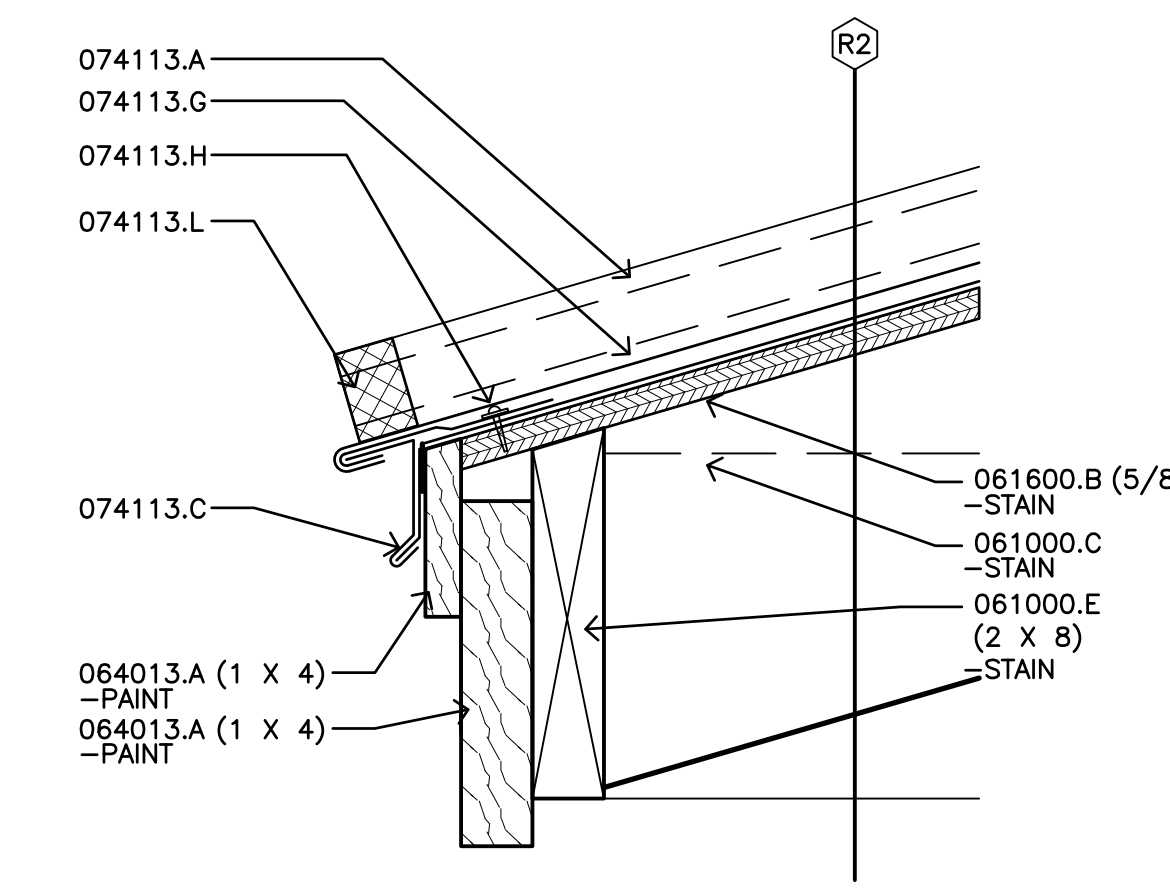
- NOTES**
1. EXTEND FLASHING 4" MIN. OVER ROOF PANEL & BEND FLASHING 1" MIN. INSIDE VENT.
  2. INSTALL HIGHER ROOF PANEL ON TOP OF LOWER PANEL WITH 12" MIN. OVERLAP. INSTALL FLASHING BETWEEN ROOF PANELS.
  3. COORDINATE LOCATION OF ROOF PENETRATION WITH ROOF PANELS TO AVOID STANDING SEAMS.
  4. TURN UP ENDS OF PANEL TO CREATE END DAM. SEAL ALL JOINTS WATERTIGHT.
  5. SEAL ALL JOINTS BETWEEN ROOF PANEL & CLOSURE.



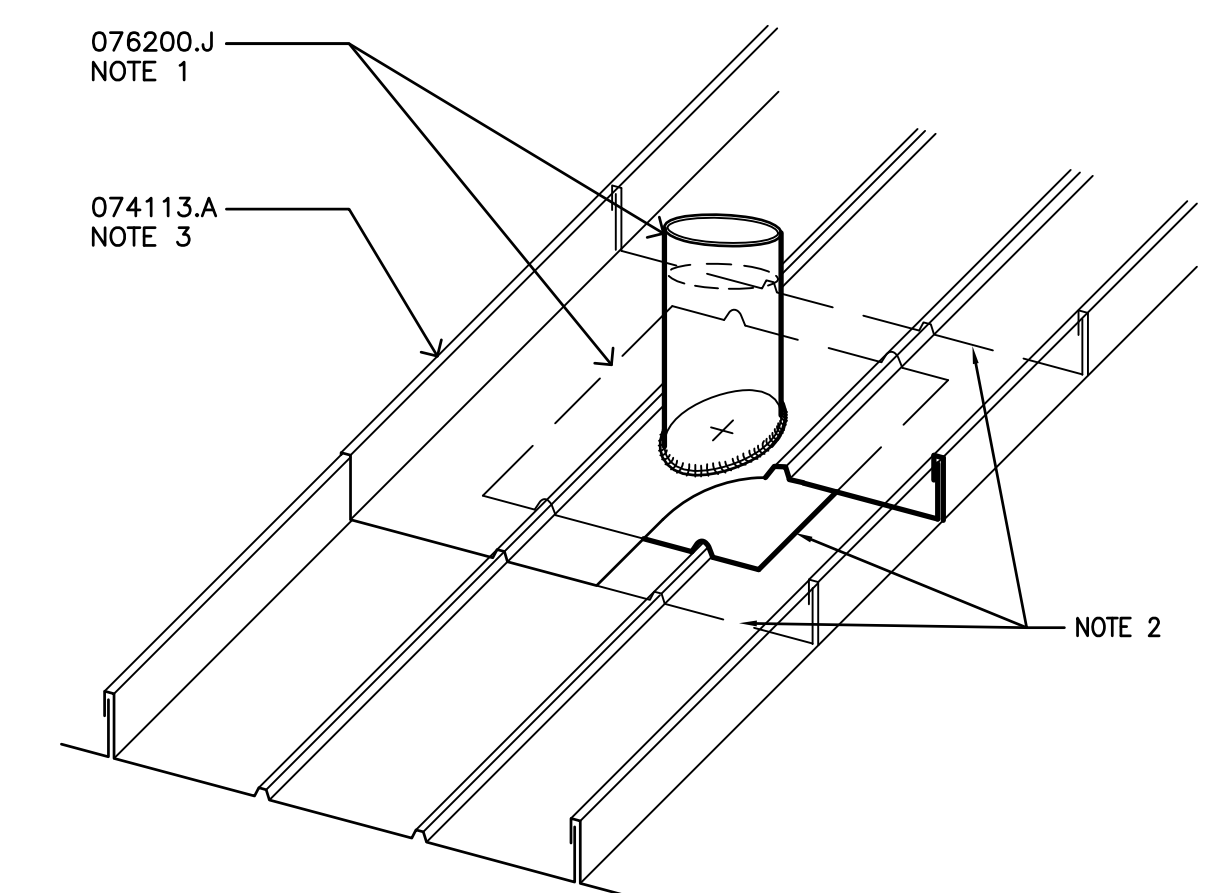
**B4 METAL ROOF RAKE DETAIL**  
1 1/2" = 1'-0"



**C4 METAL ROOF RIDGE DETAIL**  
1 1/2" = 1'-0"

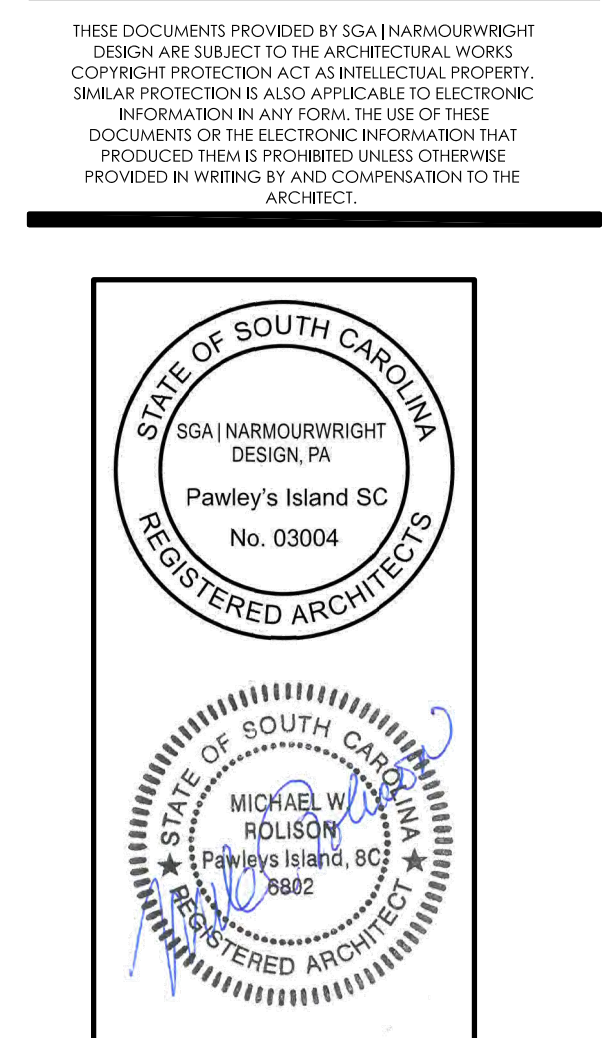


**D4 METAL ROOF EAVE DETAIL**  
1 1/2" = 1'-0"



**D5 VENT THROUGH ROOF**  
1 1/2" = 1'-0"

1. REFER TO ALTERNATE #2 FOR ASPHALT ROOF SHINGLE SYSTEM (SEE SPECIFICATION SECTION 073113).ALTERNATE WORK TO INCLUDE ALL METAL FLASHING, DRIP EDGE, RAKE METAL TRIM EDGE AND ALL AS SPECIFIED IN APPLICABLE SECTIONS OF THE CONTRACT DOCUMENTS.



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Bid Set  
Revised

Revision Schedule		
#	Description	Date

INTERIORS  
ROOF DETAILS  
CONCESSION



**LOAD TABLE**  
2018 INTERNATIONAL BUILDING CODE AND ASCE 7-16

**LIVE LOADS:**

1. FLOOR LOADS: (ASCE Table 4-1)	
A. Light Storage =	125 p.s.f.
2. ROOF LOADS:	
A. Basal roof live load =	20 p.s.f.
3. PARTITIONS: (ASCE Section 4.22)	
A. Partition load =	15 p.s.f.

Note: It shall be unlawful to place, cause or permit to be placed, on any floor or roof of a building, structure, or portion thereof, a load greater than is permitted by these requirements. (per IBC 1605.2)

**DEAD LOADS:**

1. USE ACTUAL DEAD LOADS OF MATERIALS	
<b>SNOW LOADS:</b>	
GROUND SNOW LOAD - $P_g = 10$	(ASCE Figure 7-1)
SNOW LOAD IMPORTANCE FACTOR - $I_s = 1.0$	(ASCE Table 7-4)
SNOW EXPOSURE FACTOR - $C_e = 1.0$	(ASCE Table 7-2)
THERMAL FACTOR - $C_t = 1.0$	(ASCE Table 7-3)
FLAT-ROOF SNOW LOAD- $P_f = 10$ p.s.f.	(ASCE Section 7.3)

**WIND LOADS:**

BASIC WIND SPEED (3-SECOND GUST) = 148 (mph)	(ASCE Figure 6-1)
BUILDING CATEGORY = II	(ASCE Table 1-1)
WIND IMPORTANCE FACTOR - $I_w = 1.0$	(ASCE Table 6-1)
WIND EXPOSURE = C	(ASCE Section 6.5.6)
WIND BORN DEBRIS = YES	
If yes, exterior windows and doors shall have debris protection per IBC 1609.1.2.	
INTERNAL PRESSURE COEFFICIENT	
Enclosed Building $+/- 0.18$	(ASCE Figure 6-5)

**DESIGN WIND PRESSURES:**

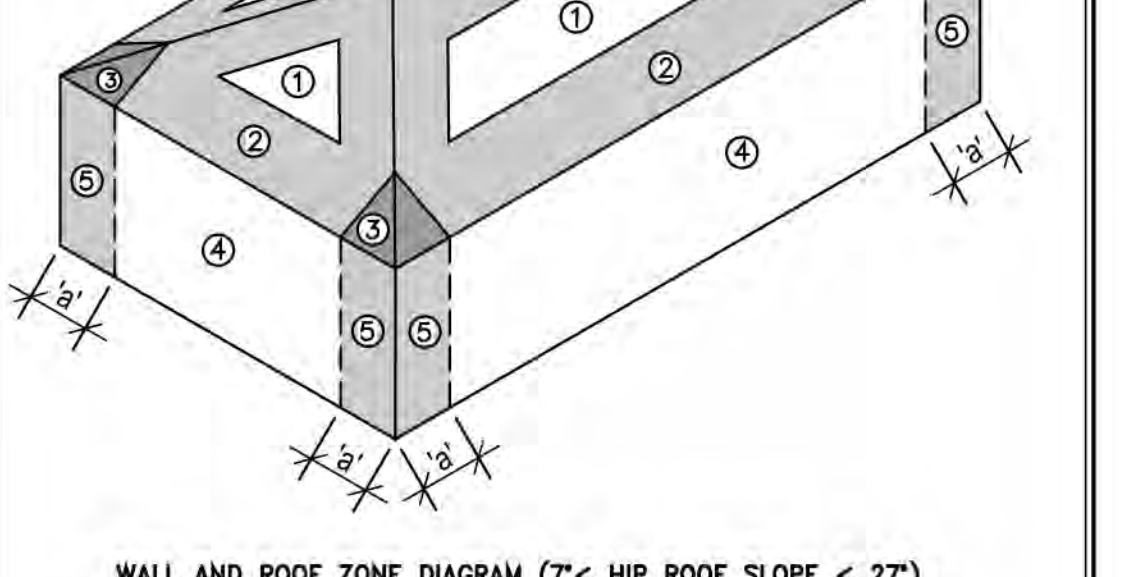
A. Main Wind force Resisting System = 38 PSF	(ASCE Section 6.5.12.2)
B. Components and Cladding	(ASCE Section 6.5.12.4)

The wind pressures (and associated DP ratings) indicated below are considered as the minimum unless otherwise specified by code.

ZONE	PRESSURE	SUCTION
ROOF ZONE ①	17 PSF	-32 PSF
ROOF ZONE ②	17 PSF	-49 PSF
ROOF ZONE ③	17 PSF	-49 PSF
WALL ZONE ④	35 PSF	-38 PSF
WALL ZONE ⑤	35 PSF	-45 PSF

$\alpha = \text{width of pressure coeff. zone} = 4.5 \text{ FEET}$

Roof Net Uplift = (Zone Suction Reduced by Dead Load)



**SEISMIC LOADS:**

SITE CLASS - D	(ASCE Chapter 20)
SPECTRAL RESPONSE ACCELERATIONS	(ASCE Figure 22-1 & 22-2)
$S_a = 0.397$	$S_1 = 0.137$
SPECTRAL RESPONSE COEFFICIENTS	(ASCE Section 11.4.4)
$S_{ds} = 0.393$	$S_{d1} = 0.212$
SEISMIC IMPORTANCE FACTOR - $I_e = 1.0$	(ASCE Table 11.5-1)
SEISMIC DESIGN CATEGORY = D	(ASCE Table 11.6-1 & 11.6-2)
BASIC SEISMIC-FORCE RESISTING SYSTEM =	(ASCE Table 12.2-1)
Bearing Wall - SPECIAL REINFORCED MASONRY	
SEISMIC RESPONSE COEFFICIENT - $C_s = 0.08$	(ASCE Section 12.8.1.1)
RESPONSE MODIFICATION FACTOR - $R = 5$	(ASCE Table 12.2.1)
DESIGN BASE SHEAR - 9 kips	(ASCE Section 12.8)
ANALYSIS PROCEDURE - EQUIVALENT FORCE METHOD	

Much of the information presented in this load table originates from the applicable building code(s). The structural design for systems such as metal studs, exterior doors/windows, skylights, roofing systems, etc. will be more complicated and more building specific than indicated in this table. Designers and suppliers must refer to the applicable building codes, site conditions and architectural drawings to adequately design and / or specify their individual components and systems.

**STRUCTURAL GENERAL NOTES:**

- THE NOTES PRESENTED IN THESE STRUCTURAL DRAWINGS ARE TO PROVIDE THE CONTRACTOR (AND SUBCONTRACTORS) WITH USEFUL INFORMATION PERTAINING TO THE STRUCTURAL WORK REQUIRED FOR THIS PROJECT. MANY OF THE NOTES PRESENTED HERE HAVE BEEN SPECIFICALLY GENERATED TO BRING ATTENTION TO CERTAIN ASPECTS AND/OR CONDITIONS WHICH MAY BE SPECIFIC TO THIS PROJECT OR PERTAINING TO CERTAIN REQUIREMENTS BY KYZER AND THIMMERMAN IN SOME CASES A BOOK OF SPECIFICATIONS (SPECIFICATION BOOK) MAY BE PROVIDED BY THE LEAD DESIGNER WHICH SHALL BE CONSIDERED AS SUPPLEMENTAL INFORMATION TO THESE DRAWINGS. IN THE EVENT OF ANY CONFLICTING INFORMATION IN THE STRUCTURAL DRAWINGS, OR BETWEEN THE STRUCTURAL DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHOULD FURNISH A REQUEST FOR INFORMATION (RFI) TO THE APPROPRIATE DESIGNER. IN THE APPROPRIATE OFFICE OF KYZER AND THIMMERMAN. THE LEADER OF THE DESIGN TEAM (ARCHITECT) SHOULD BE COPIED. THE CONTRACTOR SHOULD ASSUME THE MOST STRINGENT CONDITION UNTIL A RULING IS MADE. THE RESPONSE TIME FOR THE RFI WILL DEPEND ON THE REQUIRED RESEARCH AND MAY INVOLVE A RESPONSE FROM INDIVIDUALS OUTSIDE THE OFFICE OF KYZER AND THIMMERMAN.
- THE GENERAL STRUCTURAL NOTES FOR THIS PROJECT ARE GENERALLY CATEGORIZED AS TO WORK TRADE. THERE WILL BE INSTANCES IN WHICH SOME STRUCTURAL NOTES WILL PERTAIN TO MULTIPLE TRADES AND DRAWINGS OR INFORMATION PROVIDED BY OTHERS. FOR THIS REASON THE DETAILS AND NOTES FOUND IN THE CONSTRUCTION DRAWINGS, DOCUMENTS AND SUBMITTALS SHALL BE CLEARLY UNDERSTOOD BY THE CONTRACTOR AND HIS SUBCONTRACTORS PRIOR TO STARTING THAT PORTION OF THE WORK. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING SUPERVISION OVER ALL HIS PERSONNEL AND SUBCONTRACTORS FOR THIS PROJECT. ADEQUATE EXPERIENCED STAFFING BY THE GENERAL CONTRACTOR IS A REQUIREMENT TO MAINTAIN CONTROL OVER HIS SUBCONTRACTORS AND ULTIMATELY THE QUALITY OF THE SUBCONTRACTORS WORK. IT MUST BE REALIZED BY ALL PARTIES THAT KYZER AND THIMMERMAN STRUCTURAL ENGINEERS IS NOT THE LICENSED CONTRACTOR FOR THIS PROJECT AND DOES NOT ASSUME THE RESPONSIBILITY OF THE CONTRACTORS QUALITY CONTROL OFFICER (OR SAFETY OFFICER) FOR THIS PROJECT.
- THE HORIZONTAL AND VERTICAL BUILDING DIMENSIONS ORIGINATE FROM THE LEAD DESIGNER DRAWINGS. THE LEAD (ARCHITECTURAL) DRAWINGS SHALL BE CONSIDERED AS THE ORIGINAL SOURCE FOR THE DIMENSIONS AND THEREBY WILL NORMALLY TAKE PRECEDENCE OVER THE DRAWINGS BY OTHERS ON THE DESIGN TEAM. THE DIMENSIONS INDICATED IN THESE STRUCTURAL DRAWINGS ARE TO DOCUMENT AND AID THE STRUCTURAL DESIGNER WITH THE DIMENSIONS USED FOR THE BASIC DESIGN OF THE STRUCTURAL SYSTEM. CONSTRUCTION AND DETAILING DIMENSIONS SHALL BE TAKEN OR OBSERVED FROM THE ORIGINAL SOURCE DRAWINGS BY THE ARCHITECT OR LEAD DESIGNER. KYZER AND THIMMERMAN STRUCTURAL ENGINEERS PROVIDE STRUCTURAL ENGINEERING SERVICES AND SHALL NOT BE CONSIDERED THE LEAD DESIGNER, STRUCTURAL DETAILER OR BUILDING SUPERVISOR FOR THIS PROJECT.
- TO LESSEN THE RISK OF ERROR, THE CONTRACTOR IS ADVISED TO PROVIDE HIS DESIGNERS AND DETAILERS FOR THE STRUCTURAL SYSTEMS COMPLETE SETS OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR THEIR USE. FAILURE TO PROVIDE COMPLETE SETS OF DRAWINGS AND SPECIFICATIONS MAY CONTRIBUTE TO AN ERROR IN DETAILING, ETC.
- AS PART OF MEANS AND METHODS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND ERECTION OF TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURAL SYSTEM AND STRUCTURAL COMPONENTS DURING ALL PHASES OF CONSTRUCTION. KYZER AND THIMMERMAN ARE NOT THE PROVIDERS FOR THE DESIGN OF SHORING, SCAFFOLDING, FORMING OR PROTECTIVE SHIELD. THROUGH A REPRESENTATIVE FROM KYZER AND THIMMERMAN MAY VISIT THE SITE OR PERSONNEL ARE TYPICALLY NOT HIRED OR TRAINED TO REORGANIZE THE PROJECT SAFETY REQUIREMENTS AS REQUIRED BY REGULATIONS OR SPECIFIED BY THE CONTRACTOR AND/OR HIS SAFETY OFFICERS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY, GATHER AND SUBMIT ALL SHOP DRAWINGS TO THE ARCHITECT OR LEAD DESIGNER FOR STRUCTURAL CONSTRUCTION. THIS STIPULATION FOR THE SPECIFIC PURPOSE OF KEEPING TRACK OF THE REQUIRED SHOP DRAWINGS FOR THE PROJECT THEREBY PROVIDING THE PROJECT WITH ALL THE NECESSARY SHOP DRAWINGS RELATING TO STRUCTURAL COMPONENTS AND STRUCTURAL SYSTEMS. THOUGH THE ARCHITECT AND/OR STRUCTURAL ENGINEER MAY PERFORM SITE VISITS-THESE VISITS DO NOT RELIEVE THE CONTRACTOR FROM THE DUTIES OF GATHERING AND SUBMITTING SHOP DRAWINGS. NOR DOES THE PRESENCE OF THE ARCHITECT OR STRUCTURAL ENGINEER ON SITE RELIEVE THE CONTRACTOR FROM PROVIDING THE NECESSARY QUALITY CONTROL OVER THIS PROJECT. THE ARCHITECTURAL DRAWINGS ARE NOT TO BE REPRODUCED FOR SHOP DRAWINGS, SECTION SHEETS OR ERECTION PLANS. THE CONTRACTOR SHALL SUBMIT AN AMPLIFIED NUMBER OF SETS OF SHOP DRAWINGS TO ALLOW FOR EACH DESIGN PROFESSIONAL TO RETAIN A SET FOR THE FILE. SHOP DRAWINGS SHALL BE APPROVED AND APPROVED BY THE CONTRACTOR FOR (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, AND ERECTION PROCEDURES PRIOR TO ARCHITECT'S STRUCTURAL ENGINEER'S REVIEW. AMPLIFIED, AS DETERMINED BY THE DESIGNER, SHALL BE ALLOTTED FOR HIS REVIEW OF SHOP DRAWINGS. THE CONTRACTOR SHOULD ISSUE SHOP DRAWINGS EARLY ENOUGH TO ALLOW FOR THE NECESSARY FABRICATION TIME. THE MEMBERS OF THE DESIGN TEAM SHOULD SUBMIT A FINAL SET OF SHOP DRAWINGS STAMPED "FINAL SHOP DRAWINGS - FILE SET" WHICH INCORPORATES ANY COMMENTS MADE DURING THE SHOP DRAWINGS PROCESS. "FINAL SHOP DRAWINGS" STRUCTURAL SHOP DRAWINGS ARE REQUIRED TO BEAR THE SEAL OF A REGISTERED ENGINEER IN THE PROJECT STATE.
- THE CONTRACTOR IS ADVISED TO VISIT THE SITE PRIOR TO BID FOR THE PURPOSES OF DETERMINING SITE CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROJECT OR THE PROJECT.
- THE ENGINEER'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS IN THE CONTRACT DOCUMENTS AND THE PROJECT SPECIFICATION REQUIREMENTS. THOUGH THE SHOP DRAWINGS MAY BE APPROVED BY THE STRUCTURAL ENGINEER, THE CONTRACTOR SHALL NOT BE BELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS. CONTRACTOR DEVIATIONS TO THE CONTRACT DOCUMENTS MUST BE SUBMITTED SEPARATELY FOR APPROVAL AND TO BRING ATTENTION TO THE DEVIATION. IT IS THE CONTRACTOR'S DUTY TO CHECK, VERIFY, CONFIRM AND COORDINATE ALL DIMENSIONS AND DETAILS. TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS AND COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS AND/OR SUBCONTRACTORS FOR THIS PROJECT.
- THE STRUCTURAL DRAWINGS AND RELATED INFORMATION SHALL BE USED IN CONJUNCTION WITH ANY ARCHITECTURAL DRAWINGS AS WELL AS OTHER INFORMATION AND DOCUMENTS RELATIVE TO OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HIS OWN VERIFICATION AND COORDINATION OF DIMENSIONS, FIELD CONDITIONS, CLEARANCES, ETC. WITH THE WORK OF THE OTHER TRADES. IN CASE OF CONFLICT, CONTRACT ARCHITECT AND/OR ENGINEER'S VERBALLY AND IN WRITING. IN THE OPINION OF THE CONTRACTOR, ANY CONDITION WHICH APPEARS TO BE AN OMISSION, DEFICIENCY OR AMBIGUITY IN THE DESIGN DOCUMENTS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR LEAD DESIGNER. IN THE FORM OF AN "RFI" REQUEST FOR INFORMATION FOR CLARIFICATION, INTERPRETATIONS OR ADDITIONAL INFORMATION MAY BE ISSUED BEFORE THAT PORTION OF THE WORK MAY PROCEED. WORK PERFORMED BY THE CONTRACTOR NOT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS MAY REQUIRE AN ENGINEERING EVALUATION, TESTING OR REMOVAL AT THE EXPENSE OF THE CONTRACTOR. THE ARCHITECTURAL DRAWINGS ARE CONSIDERED THE LEAD DRAWINGS FOR PROJECT INCLUDING DIMENSIONS AND BUILDING LAYOUTS. THE CONTRACTOR MUST LAYOUT THE BUILDING AND BUILDING COMPONENTS PRIOR TO THE INFORMATION PROVIDED IN THE ARCHITECTURAL DRAWINGS. DO NOT RELY SOLELY ON THE STRUCTURAL DRAWINGS FOR BUILDING LAYOUT, EQUIPMENT LOCATION AND SO ON. AN ARCHITECTURAL "ADDENDUM" MAY CAUSE A CHANGE IN THE DIMENSIONS FOUND IN THE STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ANKOR BOLTS, ETC. AS REQUIRED FOR ALL TRADES PRIOR TO CONSTRUCTING THAT PORTION OF THE PROJECT.
- WORK NOT INDICATED AS PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT AT CORRESPONDING PLACES SHALL BE REPEATED.
- ALL SECTIONS AND DETAILS ARE TYPICAL AT SIMILAR LOCATIONS AND WHERE APPLICABLE.
- CONTRACTOR SHALL MAKE NO DEVIATIONS FROM DESIGN DRAWINGS AND SPECIFICATIONS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
- LONG TERM BUILDING (AND ORLANDO) MAINTENANCE IS REQUIRED FOR PROTECTING THE BUILDINGS OVERALL STRUCTURAL SYSTEM AND COMPONENTS. THE CONTRACTOR IS TO ADVISE THE OWNER AS TO ANY SPECIAL REQUIRED BUILDING MAINTENANCE IN ORDER TO ASSURE THIS PROTECTION. TYPICALLY, THIS ASSISTANCE CAN BE DONE AT THE END OF CONSTRUCTION PROGRAM TO TURNING THE BUILDING OVER TO THE OWNER. THIS STIPULATION IS MADE IN AN EFFORT TO PREVENT LITIGATION BY AN OWNER NOT PROTECTING THE BUILDINGS STRUCTURAL SYSTEM COMPONENTS AND OTHER BUILDING PRODUCTS FROM WEATHER, EROSION, HEAR, DAMAGE AND ABUSE. BUILDING MAINTENANCE IS A CONSIDERATION "A MUST" FOR WHICH THE STRUCTURAL ENGINEER IS NOT AN EXPERT.
- THE CONTRACTOR SHALL BUILD THIS PROJECT IN ACCORDANCE TO ALL APPLICABLE BUILDING CODES AND SAFETY STANDARDS AND/OR REGULATIONS.
- THE ENGINEER OF RECORD RESERVES THE RIGHT TO MODIFY THE STRUCTURAL DESIGN AND DRAWINGS AS NECESSARY AS A RESULT OF LOADS (INCLUDING ADDITIONAL MECHANICAL UNITS AND HEIGHTS) SUBMITTED BY THE CONTRACTOR.
- THE DESIGN PROFESSIONALS DO NOT CONTROL OR HAVE TRAINING FOR THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES, PROCEDURES AND/OR QUALITY CONTROL IN PERFORMING THE WORK, SITE SAFETY OR SAFETY PROGRAMS IN CONNECTION WITH THIS PROJECT. THESE DUTIES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND HIS STAFF. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATORY AGENCIES.
- THE STRUCTURAL DRAWINGS ARE TO BE USED FOR DESCRIBING THE STRUCTURAL SYSTEM FOR THE PROJECT. FLOOR AND WALL FINISHES, TILES, FITTINGS AND ALL OTHER NON-STRUCTURAL COMPONENTS SHALL BE DESIGNED AND/or PROVIDED BY OTHER PROFESSIONALS. THE CONTRACTOR SHALL SHOULD THE RESPONSIBILITY FOR INSTALLATION PERFORMANCE, DURABILITY OR MAINTENANCE FOR THESE ITEMS.
- ALL SUSPENDED CEILING/SOFFIT SYSTEMS (INCLUDING LIGHT FIXTURES) SHALL BE SUPPORTED AS REQUIRED BY THE MANUFACTURER(S). ATTACHMENTS, WIRES, SPRINGS AND OTHER SUPPORTS SHALL BE DESIGNED TO RESIST THE CODE REQUIRED WIND (BOTH NEGATIVE AND POSITIVE PRESSURE) AND SEISMIC LOADS PER THE APPLICABLE EDITION OF THE APPROPRIATE BUILDING CODE(S).
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL OPENINGS INCLUDING DOORS AND WINDOWS. REFER TO ELECTRICAL AND MECHANICAL PLANS AND/OR REQUIREMENTS FOR SIZE AND LOCATION OF ALL OPENINGS FOR DUCTS, PIPES, CONDUITS, ETC.
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND/OR VENDOR DRAWINGS FOR LOCATIONS OF DEPRESSIONED FLOOR AREAS, FLOOR DRAINING, FLOOR TYPINGS, CURBS AND ANY OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- THE STRUCTURAL DRAWINGS ARE BASED ON THE LATEST INFORMATION/ARCHITECTURAL DRAWINGS PRIOR TO THE SUBMITTAL DATE. SOME DIMENSIONS FOUND IN THESE DRAWINGS MAY HAVE BEEN VERBALLY COMMUNICATED BY THE ARCHITECT OR TAKEN DIRECTLY FROM ELECTRONIC FILES SUPPLIED BY THE ARCHITECT. GENERAL CONTRACTOR AND SUBCONTRACTORS ARE ADVISED TO USE THE ARCHITECTURAL DRAWINGS AS THE BASIS FOR THE DIMENSIONS ON THIS PROJECT. TYPICALLY, THE ARCHITECTURAL DRAWINGS ARE CONSIDERED THE LEAD DRAWINGS FOR DIMENSIONS.
- QUESTIONS RELATING TO THESE STRUCTURAL DRAWINGS MAY BE SUBMITTED IN WRITING, THROUGH THE ARCHITECT OR PRIOR PROFESSIONAL TO THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER SHALL BE COPIED AT:

WEATHERLY STRUCTURAL ENGINEERS LLC  
514 ADELR STREET, MYRTLE BEACH, SOUTH CAROLINA  
(843) 448-4146  
(843) 448-9146 (FAX)

**GEOTECHNICAL:**

- THIS FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF. THIS VALUE IS BASED ON INFORMATION PROVIDED IN THE OWNER'S GEOTECHNICAL REPORT BY SAHE, PROJECT NO. 1803-20-011, DATED APRIL 21, 2020.
- A COPY OF THE GEOTECHNICAL REPORT AND ALL TEST REPORTS SHALL REMAIN ON FILE AT THE JOB SITE AVAILABLE FOR THE DESIGN TEAM. ANY TESTS DEEMED UNACCEPTABLE SHALL BE CORRECTED AND SENT TO THE ARCHITECT AND STRUCTURAL ENGINEER. THE CONTRACTOR SHALL FORWARD COPIES OF ALL REPORTS TO THE OWNER AS REQUIRED BY THEIR AGREEMENT.
- ALL FOOTINGS SHALL EXTEND BELOW FROST DEPTH AND DOWN TO SOLID BEARING MATERIAL. REGARDLESS OF ELEVATIONS SHOWN. SEE GEOTECHNICAL REQUIREMENTS BY GEOTECHNICAL ENGINEER AS NEEDED FOR PROPER CONSTRUCTION AND PREPARATION OF SOILS.
- TOP OF ALL SPREAD FOOTINGS SHALL BE A MINIMUM OF 8" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE (N.O.).

- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXCAVATIONS AND SLOPES.
- THE CONTRACTOR SHALL MAKE THE NECESSARY PROVISIONS FOR DIVERTING SITE DRAINAGE, RAINWATER, STORM WATER, GROUND WATER, SPRINGS, UTILITIES, ETC. AND DEMATERIALS OF FOUNDATIONS AS PART OF THE FOUNDATION PREPARATION AND INSTALLATION. REFER TO GEOTECHNICAL ENGINEER AS NECESSARY. IF ADDITIONAL INFORMATION IS REQUIRED.
- THE SIZES OF FOUNDATION CONCRETE FOOTINGS, PILES CAPS, CANSON CAPS, ETC. MAY BE EARTH FORMED PROVIDED THE EXCAVATION CAN BE SAFELY KEPT VERTICAL, CLEAN AND STABLE. OTHERWISE, FORMS MUST BE USED. REFER TO GEOTECHNICAL ENGINEER FOR ADDITIONAL INFORMATION AS REQUIRED.

**CONCRETE:**

- ALL CONCRETE AND REINFORCING BARS SHALL BE INSTALLED ACCORDING TO STANDARDS SET FORTH BY THE LATEST EDITION OF ACI-308.
- REINFORCING SHALL BE HELD IN PLACE DURING CONCRETE PLACEMENT. IF REQUIRED, ADDITIONAL BARS MAY BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS.
- 20 DAY MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:

FOOTINGS	3000 PSI
SLABS ON GRADE	3000 PSI
NO CALCIUM CHLORIDE SHALL BE USED IN MIX.	

- THE CONTRACTOR SHALL TAKE ADDITIONAL PRECAUTIONS WHEN CONCRETE IS TO BE PLACED AND CURED DURING COLD OR HOT WEATHER. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS PRESCRIBED BY AMERICAN CONCRETE INSTITUTE FOR COLD OR HOT WEATHER CONSTRUCTION.
- NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE ABOVE THAT PRESCRIBED IN THE MIX DESIGN UNLESS APPROVED BY THE ARCHITECT OR STRUCTURAL ENGINEER.
- REINFORCING STEEL - ASTM A 615, GRADE 60, MINIMUM LAP IN CONCRETE SHALL BE IN ACCORDANCE WITH ACI-308.
- WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 4'-0".
- ALL PLUMBING SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS THE FLOOR SLAB AFTER PIPING IS INSTALLED.
- THE CONTRACTOR/SUBCONTRACTORS SHALL NOT FIELD BEND REINFORCING BARS.
- EXTERIOR CONCRETE PADS SHALL BE SIZED AND LOCATED PER THE CONTRACT DOCUMENTS AND/OR EQUIPMENT SPECIFICATIONS. PLEASE SEE DRAWINGS BY ARCHITECT AND/OR MECHANICAL/ELECTRICAL ENGINEERS IN ADDITION TO THE STRUCTURAL AND ARCHITECTURAL DRAWINGS.
- POST-INSTALLED ANCHORS MAY ONLY BE USED AS SPECIFIED IN THE STRUCTURAL DRAWINGS. APPROVAL MUST BE OBTAINED FROM THE PROJECT ENGINEER PRIOR TO APPLYING TO STRUCTURAL DRAWINGS. CONCRETE SHALL BE GIVEN IN DRILLING AND PLACING ANCHORS TO MEET EXISTING REINFORCEMENT. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS/RECOMMENDATIONS.
- PROVIDE PROPERLY TIED SPACERS, CHAIRS, BOLSTERS, ETC. AS REQUIRED AND NECESSARY TO ASSEMBLE, PLACE AND SUPPORT ALL REINFORCING. USE WIRE BAR TIE SUPPORTS COMPLYING WITH CRS RECOMMENDATIONS-USE PLASTIC TIE LIGS ON ALL EXPOSED CONCRETE.
- SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISH/COLOR, SPECIAL FINISHES REQUIREMENTS, ETC. ALL CONCRETE SHALL BE PROPERLY CURED IMMEDIATELY AFTER FINISHING.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN OF ALL TEMPORARY FORMWORK, FORMS AND SHORING.
- A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO COLLECT CYLINDERS AND PERFORM THE NECESSARY CONCRETE TESTS. A MINIMUM OF FOUR CYLINDERS SHALL BE TAKEN FOR EVERY 300 CUBIC YARDS (OR FRACTION THEREOF) FOR EACH CONCRETE TYPE/STRENGTH SUPPLIED. THE CONCRETE CYLINDERS SHALL BE TAKEN AFTER WATER AND ADMIXTURES IF ANY ARE ADDED TO THE MIX. IT IS RECOMMENDED THAT ONE CYLINDER SHALL BE TESTED AT 1 DAY, TWO AT 28 DAYS AND HOLD THE FINAL CYLINDER IN RESERVE. IT IS RECOMMENDED THAT TEST REPORTS SHALL BE SENT DIRECTLY TO THE GENERAL CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER. ANY CYLINDER BREAKS (INCLUDING 1 AND 1 DAY BREAD) SHALL BE FLAGGED AND BROUGHT TO THE ATTENTION OF THE APPROPRIATE DESIGN PROFESSIONAL.
- IF A SLAB ON GRADE SHALL BE REINFORCED WITH #6-#4 H x 4" MIN ON PROPERLY PREPARED BASE MATERIAL WITH VAPOR BARRIER. THE REINFORCING SHALL BE REINFORCED IN A MANNER TO PROVIDE A CONTINUOUS HORIZONTAL LINE ACROSS THE SLAB SUPPORT. LOCATION OF VAPOR BARRIER AND ANY OTHER UNDER SLAB REQUIREMENTS, A "4" SLAB IS TYPICALLY FOR DOMESTIC OR LIGHT COMMERCIAL APPLICATIONS WITH FLOOR LOADINGS UP TO 100 PSF. SLAB THICKNESS SHOULD BE INCREASED IN THE EVENT THERE IS A NEED FOR HEAVIER FLOOR LOADINGS. CONTRACTOR SHALL VERIFY FLOOR LOADS WITH OWNER AND EQUIPMENT SUPPLIERS, ETC. PRIOR TO BASE AND SLAB PLACEMENT. IN THESE AREAS THE SLAB SHALL BE THICKENED TO ACCOMMODATE THE LOADS. SEE CONSTRUCTION DOCUMENTS FOR LOCATIONS OF SLABS AND "BASIC" OR MINIMUM SLAB THICKNESS.
- THE CONTRACTOR, CONCRETE SUPPLIERS AND ALL RELATED SUBCONTRACTORS SHALL BE EXPERIENCED IN THE USE OF CONCRETE ADMIXTURES, SEALERS, CURENT PROTECTORS, ETC. AS SPECIFIED IN THE CONTRACT DOCUMENTS OR IN THE CONCRETE MIX.
- UNLESS SPECIFIED OTHERWISE, THE CONTRACTOR SHALL SPACE SLAB JOISTS NOT EXCEED 36 TIMES THE SLAB THICKNESS PER ACI (AMERICAN CONCRETE INSTITUTE). THE WIDTH TO LENGTH OF JOIST SECTIONS SHALL NOT EXCEED THE RATIO OF 1/2 TO 1.

**MASONRY:**

- THE MASONRY DIMENSIONS ON THIS PROJECT ARE CONSIDERED AS NOMINAL DIMENSIONS. THE SHAPE AND ACTUAL SIZE OF THE MASONRY UNITS SHALL BE CONSIDERED IN THE BUILDING AND WALL LAYOUT PLAN.
- FOR ALL BEAM-JOIST ORDERS BEARING INTO (OR ON) MASONRY WALLS, THE CONTRACTOR SHALL FILL ALL MASONRY CELLS BELOW THE BEARING CONDITION BEARING PLATES AND CAST-IN-PLACE FELLOW BEAMS) WITH 2500 PSI GROUT. A #5 BAR SHALL BE PLACED IN EACH OF THESE CELLS DOWN TO THE FOUNDATION (OR FLOOR LINE FOR ELEVATED SLABS).
- ALL LINTEL BEAMS TO BEAR A MINIMUM OF 8" ON EACH SIDE OF ALL OPENINGS GREATER THAN ONE FOOT IN WIDTH. ALL CELLS UNDER BEARING CONDITION SHALL BE REINFORCED WITH WALL REBAR IN EACH CELL. BARS SHALL EXTEND DOWN TO FOUNDATION OR FLOOR FOR ELEVATED SLABS. HOOKED SPOOLS SHALL BE PLACED IN ALL MASONRY BOND BEAMS. THESE BARS SHALL BE OF SUFFICIENT LENGTH TO LAP WITH THE VERTICAL BARS IN THE MASONRY WALL ABOVE.
- FILL ALL CELLS BELOW FLOOR LEVEL, OR CONTAINING REBAR WITH 2500 PSI GROUT. GROUT SHALL BE PLACED IN LIFTS NO HIGHER THAN 3 FEET. MASONRY UNITS SHALL BE CLEAN AND DRY.
- THE CONTRACTOR SHALL INSTALL SUFFICIENT REBAR REINFORCEMENT WALL TIES TO ENSURE THE PROPER PLACEMENT OF ALL HORIZONTAL AND VERTICAL REBAR.
- ALL MASONRY ACCESSORIES (INCLUDING LINTEL PLATES AND ANGLES) SHALL BE GALVANIZED. HORIZONTAL BED JOINT REINFORCEMENT SHALL BE GALVANIZED AS REQUIRED BY APPLICATION MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE BUILDING CODES. ALL LINTEL PLATES AND ANGLES SHALL HAVE A MINIMUM THICKNESS OF 3/8" THICK UNLESS OTHERWISE NOTED.
- THE GENERAL CONTRACTOR SHALL SUBMIT REBAR SHOP DRAWINGS SHOWING NUMBER, SIZE AND LOCATION, INCLUDING BAR LISTS AND DRAWINGS TO THE ARCHITECT FOR APPROVAL. TO PREVENT DELAY IN THE APPROVAL PROCESS, THE STRUCTURAL DRAWINGS SHALL NOT BE DUPLICATED IN THE SHOP DRAWING PROCESS. TO PREVENT A POSSIBLE DELAY IN CONSTRUCTION, SHOP DRAWINGS SHOULD BE SUBMITTED WITH AMPLIFIED THE FOR APPROVAL AND FABRICATION.

THE STRUCTURAL DRAWINGS ARE NOT TO BE REPRODUCED FOR SHOP DRAWINGS, SECTION SHEETS OR ERECTION PLANS. THE CONTRACTOR SHALL SUBMIT AN AMPLIFIED NUMBER OF SETS OF SHOP DRAWINGS TO ALLOW FOR EACH DESIGN PROFESSIONAL TO RETAIN A SET FOR THE FILE. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, AND ERECTION PROCEDURES PRIOR TO ARCHITECT'S STRUCTURAL ENGINEER'S REVIEW. AMPLIFIED, AS DETERMINED BY THE DESIGNER, SHALL BE ALLOTTED FOR HIS REVIEW OF SHOP DRAWINGS. THE CONTRACTOR SHOULD ISSUE SHOP DRAWINGS EARLY IN THE SCHEDULE TO ALLOW FOR ADDITIONAL FABRICATION TIME. THE MEMBERS OF THE DESIGN TEAM SHOULD RECEIVE A FINAL SET OF SHOP DRAWINGS STAMPED "FINAL SHOP DRAWINGS - FILE SET" WHICH INCORPORATES ANY COMMENTS MADE DURING THE SHOP DRAWING PROCESS AND SHALL BE STAMPED BY A REGISTERED ENGINEER REGISTERED IN THE PROJECT STATE.

- MASONRY REBAR LAP SPLICES SHALL BE:
 

#4 BARS - 24" LAP
#5 BARS - 30" LAP
#6 BARS - 48" LAP
#7 BARS - 60" LAP
#8 BARS - 90" LAP
- CONCRETE MASONRY TO HAVE A MINIMUM  $F_m$  OF 1500 PSI. THIS IS TO BE ACHIEVED BY USING A CONCRETE BLOCK MASONRY UNIT WITH A NET AREA COMPRESSIVE STRENGTH OF 2000 PSI WHEN USED IN CONJUNCTION WITH TYPE N OR S MORTAR.
  - ALL MASONRY SHALL BE PLACED IN FULL MORTAR BED. ALL MORTAR SHALL BE TYPE "M" OR "S".
  - THE INTERSECTION OF ALL LOAD BEARING MASONRY WALLS SHALL BE TIED OR ATTACHED AT INTERSECTIONS OR WHERE THEY MEET BY ONE OF THE FOLLOWING METHODS:
    - A STEEL CONNECTION: WALLS SHALL BE ANCHORED AT INTERSECTIONS USING 2" WIDE X 0.25" THICK BY 24" LONG STRAPS (GALVANIZED) PLUS A 2"-40 DEGREE BEND AT EACH END. STEEL STRAPS SHALL BE PLACED IN MORTAR BEDS AT 48" ON CENTER VERTICALLY.
    - BONDING OF UNITS: FIFTY PERCENT OF THE MASONRY UNITS SHALL BE LAID IN AN OVERLAPPING PATTERN. MASONRY UNITS FORMING THE BONDING PATTERN SHALL BEAR NO LESS THAN 3 INCHES ON THE UNITS BELOW.
    - JOINT REINFORCEMENT: INTERSECTING WALLS MAY BE JOINED USING MASONRY WALL REINFORCEMENT SPACED AT 8 INCHES ON CENTER VERTICALLY. THE WIRE SIZE SHALL BE AT LEAST #12 AND EXTEND AT LEAST 30 INCHES FROM THE INTERSECTION.

NOTE: FOR APPLICATIONS WHERE INDEPENDENT FIRE WALLS ARE USED, INTERSECTING WALLS SHALL NOT BE TIED TO THESE FIRE WALLS TO ALLOW THE PRESSURIZING FIRE WALLS TO REMAIN INTACT IN THE EVENT OF A FIRE.

- NOTE: NON-LOAD BEARING MASONRY PARTITION WALLS SHALL BE TIED TO ONE ANOTHER BUT NOT TIED TO LOAD BEARING MASONRY WALLS.
  - THE CONTRACTOR SHALL TAKE ADDITIONAL PRECAUTIONS WHEN MASONRY IS TO BE CONSTRUCTED DURING COLD WEATHER (AMBIENT TEMPERATURE BELOW 40 DEGREES FAHRENHEIT). DURING NOT CONDITIONS (ABOVE 40 DEGREES) PRECAUTIONS SHALL BE TAKEN TO MINIMIZE EXCESS HEAT IN THE MASONRY UNITS, WATER AND MORTAR. IT IS ADVISED THAT THE CONTRACTOR FOLLOW THE RECOMMENDATIONS PRESCRIBED BY AMERICAN CONCRETE ASSOCIATION FOR COLD OR HOT WEATHER CONSTRUCTION.
  - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY NOT SHOWN ON THE STRUCTURAL DRAWINGS.
  - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY CONTROL JOINTS & BRICK EXPANSION JOINTS. ALL CONTROL JOINTS AND EXPANSION JOINTS SHALL BE INSTALLED IN ACCORDANCE TO THE STANDARDS SET FORTH BY THE NATIONAL CONCRETE MASONRY ASSOCIATION. IN NO CASE SHALL EXTERIOR WALL JOINTS BE SPACED GREATER THAN 25 FEET ON CENTER AND INTERIOR WALL JOINTS NOT EXCEED 30 FEET ON CENTER. REINFORCED BOND BEAMS LOCATED AT ROOF AND/OR FLOOR DIAPHRAGMS SHALL BE CONTINUOUS THROUGH MASONRY UNITS UNLESS OTHERWISE SPECIFIED IN THE STRUCTURAL DRAWINGS.
  - RUNNING BOND MASONRY TO HAVE A GAGE LADDER TYPE JOINT REINFORCEMENT & 8" ON CENTER VERTICALLY. PREFORMED BED JOINT REINFORCEMENT SHALL BE USED AT ALL WALL CORNERS AND INTERSECTIONS. ALL GAGE HIRE LADDER TYPE BED JOINT REINFORCEMENT SHALL BE LAPPED A MINIMUM OF 6 INCHES.

PROJECT NUMBER:  
19-004-04  
ISSUE DATE:  
02/09/2022

DRAWN BY: GOS  
CHECKED BY: ABW

**BID SET REVISION**

#	Revision Schedule	Date

CONCESSIONS &  
SCORING TOWER  
NOTES  
S100  
WE 22-160

SPECIAL INSPECTION COORDINATOR - Mr. Ashleigh B. Weatherly, P.E.  
 NOTE: ALL TESTING & INSPECTION REPORTS TO BE SENT SPECIAL INSPECTION COORDINATOR ON A WEEKLY BASIS. ALL REPORTS TO BE IN AN ELECTRONIC FORMAT BY EMAIL.  
 SPECIAL INSPECTION COORDINATOR WILL SUBMIT CONSOLIDATED REPORT TO BUILDING OFFICIAL ON A WEEKLY BASIS.

STATEMENT OF SPECIAL INSPECTIONS									
BUILDING COMPONENTS OR MATERIAL	MATERIAL SUBMITTAL	TESTING REQUIREMENTS	TESTING FREQUENCY	TESTING AGENCY	INSPECTION / MONITORING	INSPECTION FREQUENCY	INSPECTION AGENCY	PART OF WIND QUALITY ASSURANCE	PART OF SEISMIC QUALITY ASSURANCE
SOILS (COMPACTED FILL)	NA	1. TEST IN PLACE DRY DENSITY OF COMPACTED FILL	1. AS APPROVED GEOTECHNICAL ENGINEER	A TESTING AGENCY SUITABLE TO THE OWNER	1. DETERMINE SITE IS PREPARED IN ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL 2. DURING PLACEMENT AND COMPACTION OF FILL MATERIAL, DETERMINE MATERIAL BEING USED AND MAXIMUM LIFT THICKNESS COMPLETES WITH SOILS REPORT 3. VERIFY THAT IN PLACE DRY DENSITY TESTS OF COMPACTED FILL COMPLETES WITH SOILS REPORT	1. PERIODIC 2. PERIODIC 3. CONTINUOUS	AN INSPECTION AGENCY SUITABLE TO THE OWNER	1. COLUMNS AND SHEARWALLS	1. COLUMNS AND SHEARWALLS
CONCRETE FOUNDATIONS	1. SUBMIT CONCRETE MIX DESIGN 2. SUBMIT FOUNDATION REINFORCEMENT SHOP DRAWINGS 3. VERIFY PROPER CONCRETE STRENGTH	1. TEST CONCRETE STRENGTH	1. (1) SET OF CYLINDERS FOR EACH VERTICAL LIFT OR EACH 50 YARDS OF CONCRETE.	A TESTING AGENCY SUITABLE TO THE OWNER	1. VERIFY APPROPRIATE MIX (STRENGTH) PROVIDE: A. REBAR SIZE B. REBAR QUANTITY C. REBAR PLACEMENT	1. PERIODIC	AN INSPECTION AGENCY SUITABLE TO THE OWNER	1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL	1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL
CONCRETE MASONRY UNITS	1. SUBMIT TEST DATA ON CUB UNITS NET AREA OF COMPRESSIVE STRENGTH (200 PSI OR GREATER) 2. TYPE 30 MORTAR GROUT MIX (2000 PSI)	1. TEST COMPRESSIVE STRENGTH OF MORTAR & GROUT	1. (1) SET OF GROUT CUBES FROM EACH FLOOR AND/OR (1) SET OF CUBES FOR EACH 50 YARDS OF GROUT.	A TESTING AGENCY SUITABLE TO THE OWNER	SEE MASONRY INSPECTION CHART	SEE MASONRY INSPECTION CHART	AN INSPECTION AGENCY SUITABLE TO THE OWNER	1. YES	1. YES
WOOD ROOF DIAPHRAGM	1. VERIFY HOLDING STRAPPING, BRACES AND OTHER HOLD DOWN RFD	1. NONE	1. NONE	1. NONE	1. EACH DIAPHRAGM WILL BE MONITORED FOR: A. MATERIAL DIMENSIONS B. ATTACHMENT VERIFICATION	1. PERIODIC	AN INSPECTION AGENCY SUITABLE TO THE OWNER	1. YES	1. YES
CONNECTION HARDWARE	1. SUBMIT MANUF. DATA ON CONNECTION HARDWARE IF OTHER THAN SPECIFIED MATERIAL	1. NONE	1. NONE	1. NONE	1. ALL HARDWARE TO BE MONITORED FOR: A. SPACING B. ATTACHMENT VERIFICATION	1. PERIODIC	AN INSPECTION AGENCY SUITABLE TO THE OWNER	1. YES	1. YES

**DEFINITIONS**

1. PERIODIC - THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED, AND AT THE COMPLETION OF THE WORK

2. CONTINUOUS - THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.

3. SET OF CYLINDERS - (6) SPECIMENS MOULDED IN ACCORDANCE WITH ASTM REQUIREMENTS TO PROVIDE COMPRESSIVE STRENGTH TEST RESULTS. ---

4. SET OF GROUT CUBES - (3) 2" CUBES MOULDED IN ACCORDANCE WITH ASTM REQUIREMENTS TO PROVIDE COMPRESSIVE STRENGTH TEST RESULTS. ---

--- THESE ARE THE MINIMUM REQUIREMENTS - SEE GENERAL NOTES FOR ANY PROJECT SPECIFIC REQUIREMENTS FOR ANY CHANGES IN THE TOTAL NUMBER OF SPECIMENS IN A "SET", THE REQUIRED DATES FOR BREAKING THE SAMPLES, AND FIELD OR LAB CURING.

EX. SOME PROJECTS MAY SPECIFY 7 CYLINDERS IN A SET SO THAT THE BREAKS CAN BE DONE AT 1, 2, 3, 7, (2) @ 28 days, & (2) @ 56 days.

EX. SOME PROJECTS MAY SPECIFY 3 CUBES IN A SET SO THAT THE BREAKS CAN BE DONE AT 1, (2) @ 28 days, & (2) @ 56 days.

INSPECTION TASK	FREQUENCY OF INSPECTION	
	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
1. PROPORTIONS OF SITE-PREPARED MORTAR	---	REQ'D
2. CONSTRUCTION OF MORTAR JOINTS	---	REQ'D
3. LOCATION OF REINFORCEMENT & CONNECTORS	---	REQ'D
THIS INSPECTION PROGRAM SHALL VERIFY:		
A. SIZE & LOCATION OF STRUCTURAL ELEMENTS	---	REQ'D
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	---	REQ'D
C. SPECIFIED SIZE, GRADE & TYPE OF REINFORCEMENT	---	REQ'D
D. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG. F.) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG. F.)	---	REQ'D
PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. GROUT SPACE IS CLEAN	---	REQ'D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS	---	REQ'D
C. PROPORTIONS OF SITE-PREPARED GROUT	---	REQ'D
D. CONSTRUCTION OF MORTAR JOINTS	---	REQ'D
GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	REQ'D	---
PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	REQ'D	---
COMPLIANCE WITH REQUIRED INSPECTIONS PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	---	REQ'D

**SEISMIC QUALITY ASSURANCE PLAN**

1. THE FOLLOWING SEISMIC SYSTEMS AND SEISMIC FORCE-RESISTING SYSTEM ARE SUBJECT TO QUALITY ASSURANCE:

A. MASONRY SHEARWALL REINFORCEMENT  
 B. ATTACHMENT OF ROOF STRUCTURAL SYSTEM TO SHEARWALLS  
 C. INSTALLATION OF SUSPENDED CEILINGS AND THEIR ANCHORAGE  
 D. ANCHORAGE OF ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER.  
 E. ANCHORAGE OF EXTERIOR WALL PANELS AND GLAZING.

2. PROVIDE SPECIAL INSPECTIONS FOR SYSTEMS INDICATED ABOVE AS INDICATED IN SPECIAL INSPECTIONS CHART.

3. TYPE AND FREQUENCY OF TESTING PER CHART.

4. TYPE AND FREQUENCY OF SPECIAL INSPECTIONS SEE CHART.

5. ALL REPORTS TO ARCHITECT, STRUCTURAL ENGINEER AND SPECIAL INSPECTIONS COORDINATOR.

6. PERIODIC STRUCTURAL OBSERVATION WILL BE PERFORMED AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM.

7. STRUCTURAL OBSERVATION REPORTS TO ARCHITECT, STRUCTURAL ENGINEER.

**CONTRACTORS RESPONSIBILITY**

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC FORCE-RESISTING SYSTEM DESIGNATED SEISMIC SYSTEM, OR A COMPONENT LISTED IN THE SEISMIC QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTORS STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTORS STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE WIND QUALITY ASSURANCE PLAN.

2. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.

3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTORS ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.

4. IDENTIFICATIONS AND QUALIFICATIONS OF PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.

**WIND QUALITY ASSURANCE PLAN**

1. THE FOLLOWING MAIN WIND FORCE-RESISTING SYSTEMS AND WIND RESISTING COMPONENTS ARE SUBJECT TO QUALITY ASSURANCE:

A. MASONRY SHEARWALL CONSTRUCTION AND REINFORCEMENT  
 B. ROOF DIAPHRAGM SYSTEMS  
 C. WALL CONNECTIONS TO ROOF DIAPHRAGM AND FRAMING  
 D. GLAZING SYSTEM FABRICATION AND INSTALLATION  
 E. ROOF CLADDING AND ROOF FRAMING COMPONENTS.

2. PROVIDE SPECIAL INSPECTIONS FOR SYSTEMS INDICATED ABOVE AS INDICATED IN SPECIAL INSPECTIONS CHART.

3. TYPE AND FREQUENCY OF TESTING PER CHART.

4. TYPE AND FREQUENCY OF SPECIAL INSPECTIONS SEE CHART.

5. ALL REPORTS TO ARCHITECT, STRUCTURAL ENGINEER AND SPECIAL INSPECTIONS COORDINATOR.

6. PERIODIC STRUCTURAL OBSERVATION WILL BE PERFORMED AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM.

7. STRUCTURAL OBSERVATION REPORTS TO ARCHITECT, STRUCTURAL ENGINEER.

**CONTRACTORS RESPONSIBILITY**

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND FORCE-RESISTING SYSTEM OR A WIND-RESISTING COMPONENT LISTED IN THE WIND QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTORS STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE WIND QUALITY ASSURANCE PLAN.

2. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.

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**WAVERLY PARK**  
 AT  
 WACCAMAW ELEMENTARY SCHOOL  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
19-004-04  
 ISSUE DATE:  
02/09/2022

DRAWN BY: GOS  
 CHECKED BY: ABW

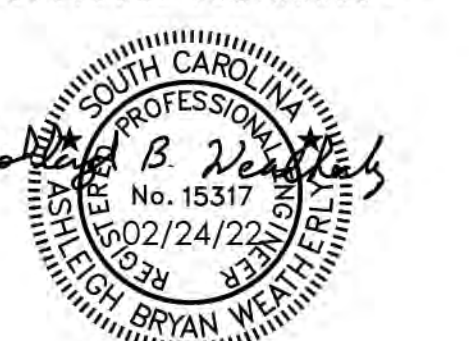
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Revision Schedule		
#	Description	Date

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Weatherly  
STRUCTURAL ENGINEERS



**WAVERLY PARK**  
AT  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEYS ISLAND, SC 29585

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Revision Schedule		
#	Description	Date

CONCESSIONS  
PLANS &  
NOTES  
S200  
WE 22-160

### MASONRY BLOCK LINTEL SCHEDULE

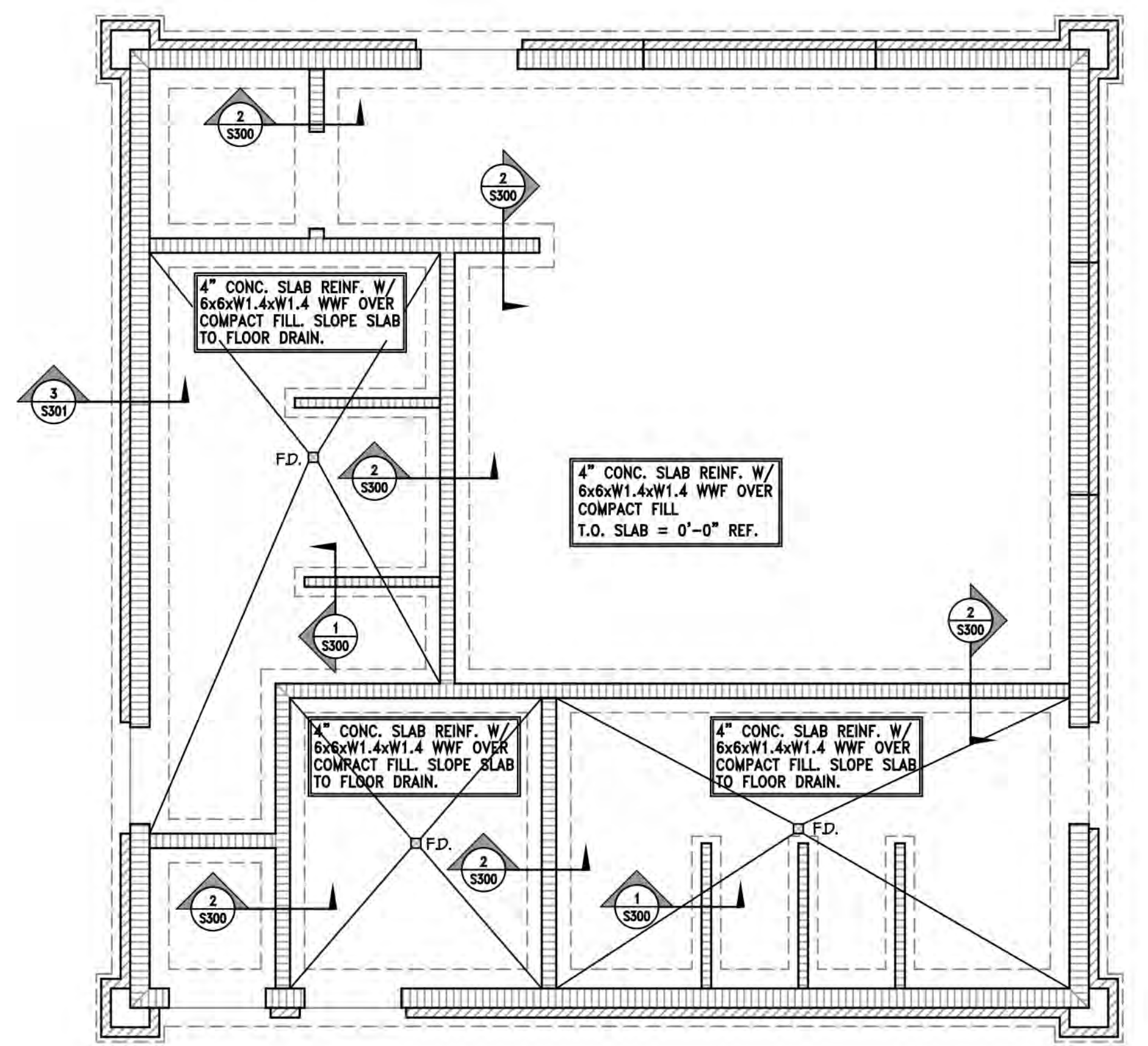
MARK	LINTEL DESCRIPTION	OPENING WIDTH FOR NON-LOAD BEARING WALL	REFERENCE DIAGRAM	DIAGRAMS (Not to Scale)
B1	8" DEEP BOND BEAM W/ 2-#5 BARS CONT.	6'-0" WIDE MAX.	DIAGRAM A	 SEE PLAN SEE PLAN SEE SCHEDULE FOR BEAM SIZE 8" DEEP LINTEL 1/2" MIN. 5/8" MAX.
B2	W 8x10 W/ 1/4" PLATE CONT.	12'-0" WIDE MAX.	DIAGRAM B	

**CONTRACTOR'S NOTE:**  
 1. ALL MASONRY LINTEL BEARING TO BE 16" MIN. ON EACH SIDE.  
 2. SEE STRUCTURAL PLAN AND ADDITIONAL WALL SECTIONS FOR WALL REINFORCEMENT AND SPACING.  
 3. SEE TYPICAL BEARING PLATE SCHEDULE AND DETAILS FOR PLATE SIZE AND NUMBER OF ANCHORS.

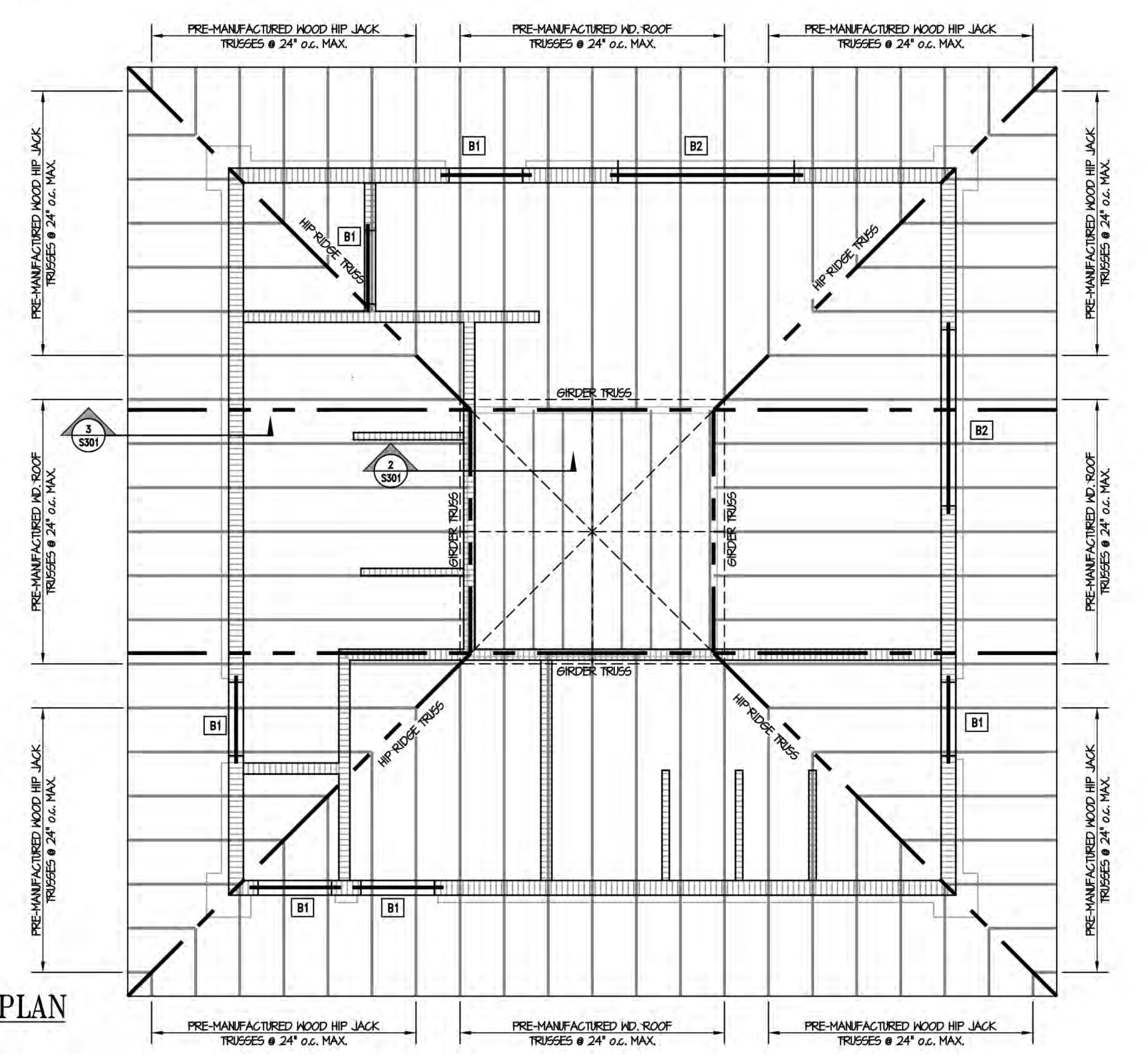
#### MASONRY OPENING REINFORCEMENT DETAIL (Not to Scale)

**\* NOTE:** IN THE EVENT THAT AN ELECTRICAL BOX IS LOCATED IN EITHER OF THE FIRST TWO CELLS BESIDE DOOR OPENING, THE CONTRACTOR MAY RELOCATE THE REBAR FROM THAT CELL TO THE THIRD CELL LOCATION. CONTRACTOR TO BE WIND-FULL THAT LINTEL WILL NEED TO BE EXTENDED TO REINFORCED CELLS.

INSTALL JAMB BARS (EACH CELL) @ LINTEL BEARING - SAME REBAR SIZE AS WALL REINF.  
 EXTEND LINTEL BARS INTO FILLED CELLS.  
 INFILL W/ MASONRY BETWEEN WINDOW & BOTTOM OF BLOCK LINTEL AS NEEDED.  
 INFILL W/ MASONRY BETWEEN DOOR & BOTTOM OF BLOCK LINTEL AS NEEDED.  
 NOTE: CONTRACTOR MAY LOWER BOND BEAM AT SILL OF WINDOW ONE COURSE TO ALLOW FOR WINDOW SILL REQUIREMENTS.  
 DOOR OPEN'G SEE ARCH. DWGS FOR SIZE & LOCATION.  
 FLOOR LINE SEE ARCH. DWGS.  
 ROWELS TO EXTEND INTO FOOTING, WALL BELOW OR LAP W/ STACKED STUDS FROM STEEL BEAM LAP BARS AS REQUIRED.



**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

#### SYMBOL LEGEND

	DENOTES CONTINUOUS THICKENED SLAB.
	DENOTES CONTINUOUS SPREAD FOOTING.
	DENOTES CMU WALL.
	DENOTES BRICK VENEER.
	LINTEL DESIGNATION - SEE LINTEL SCHEDULE ON THIS SHEET.
	F.D. DENOTES FLOOR DRAIN. SEE ARCH. DWGS. FOR SLAB SLOPES.

NOTE: SEE SHEET S300 FOR TYPICAL FOUNDATION DETAILS.

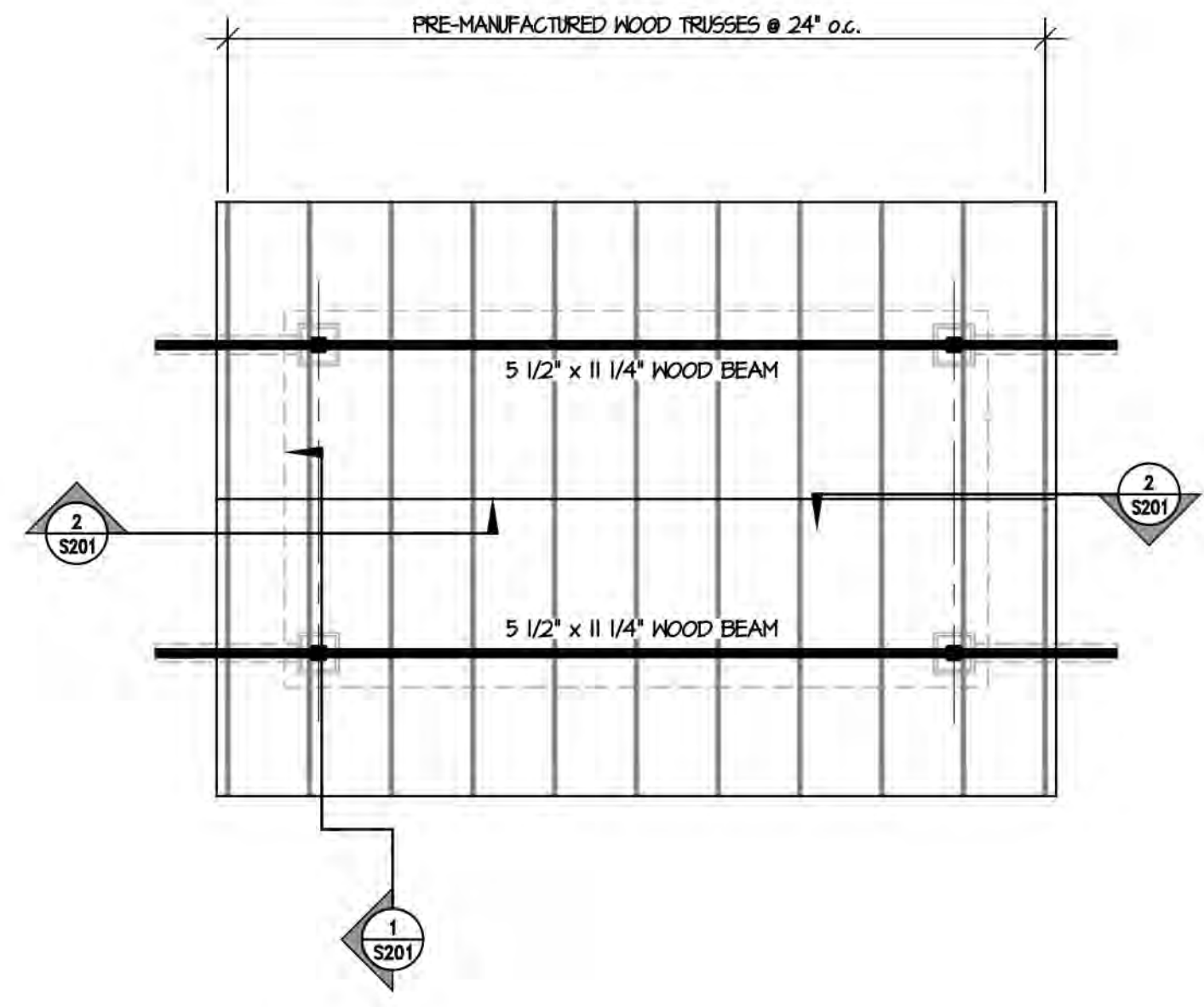
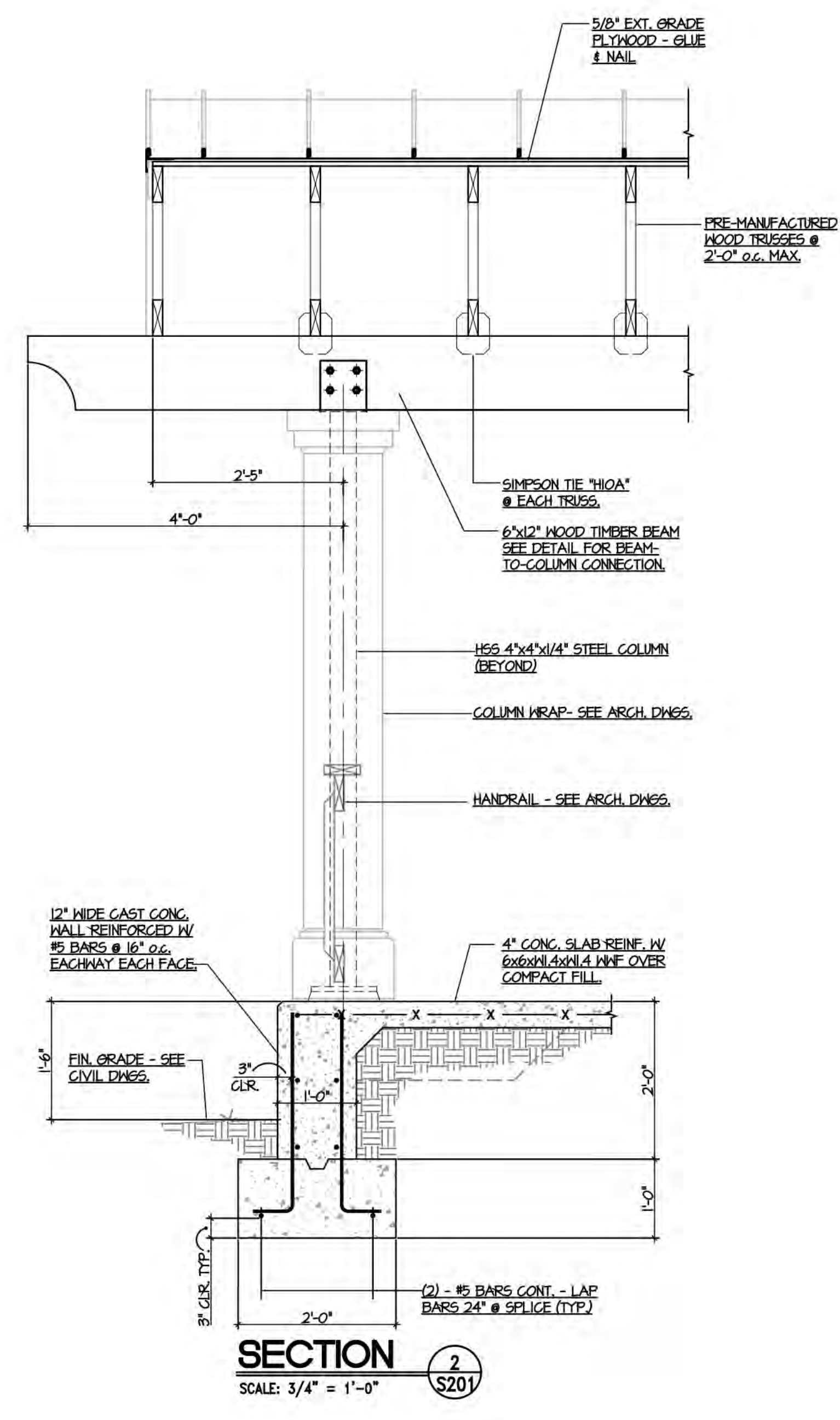
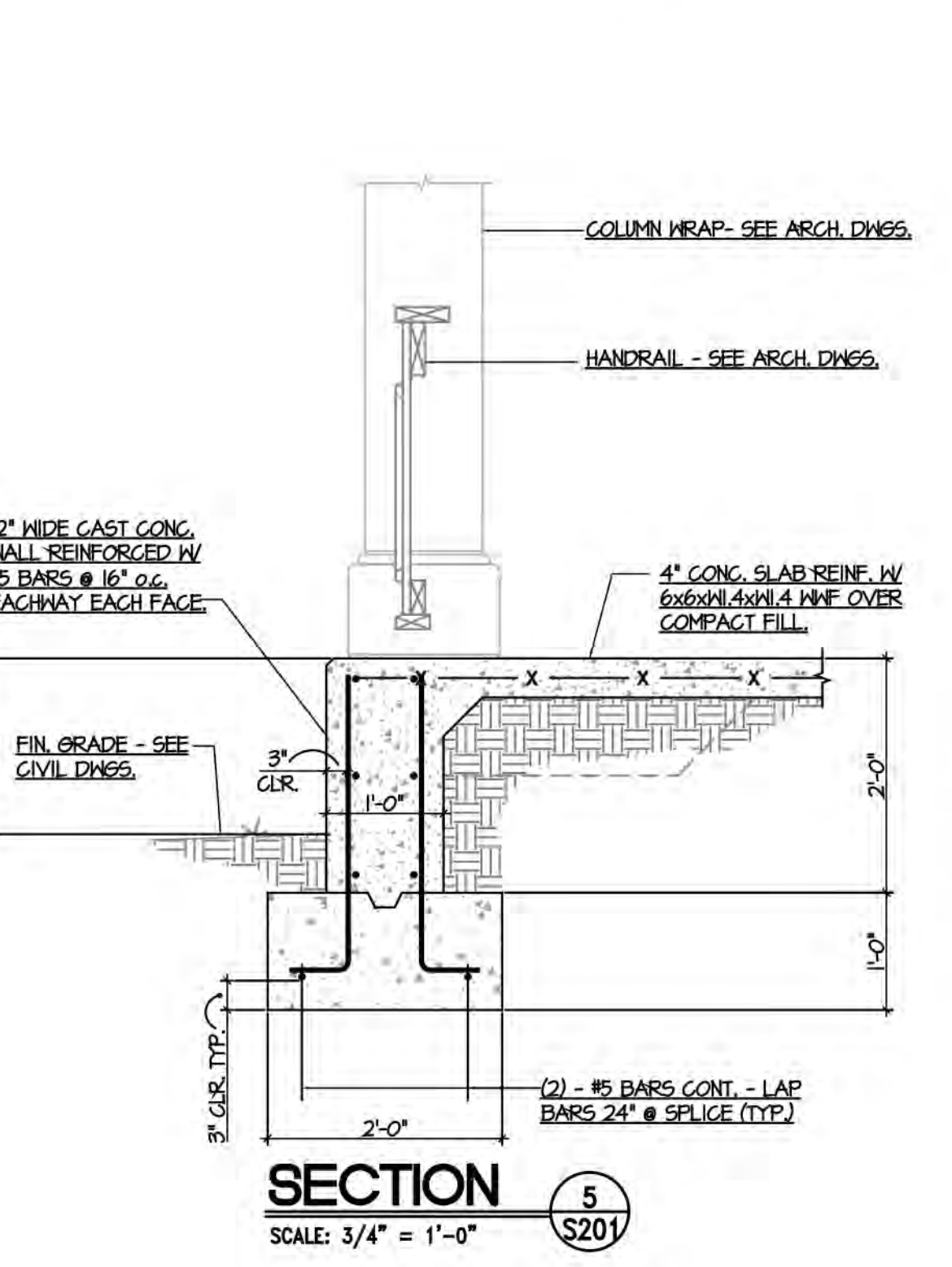
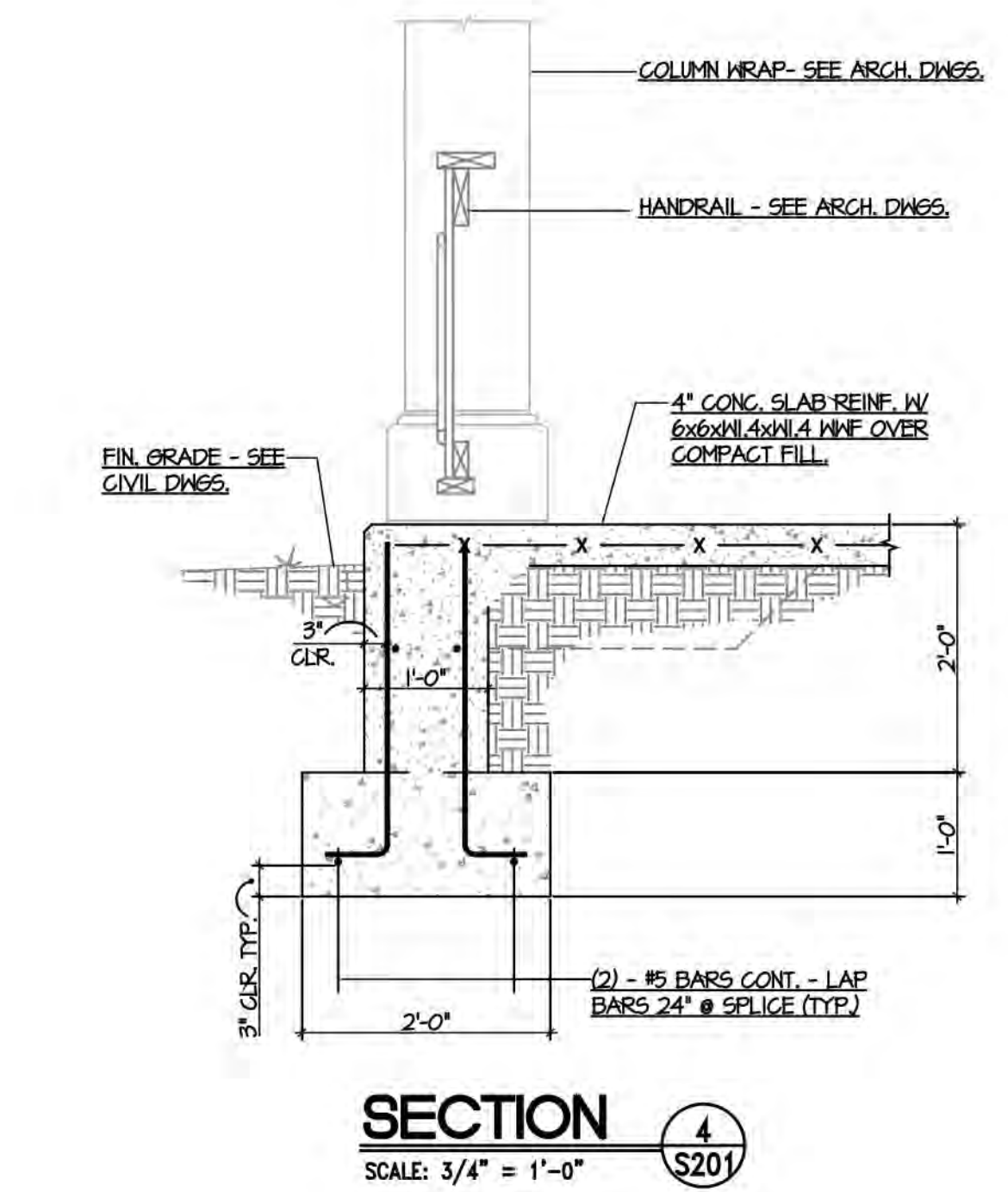
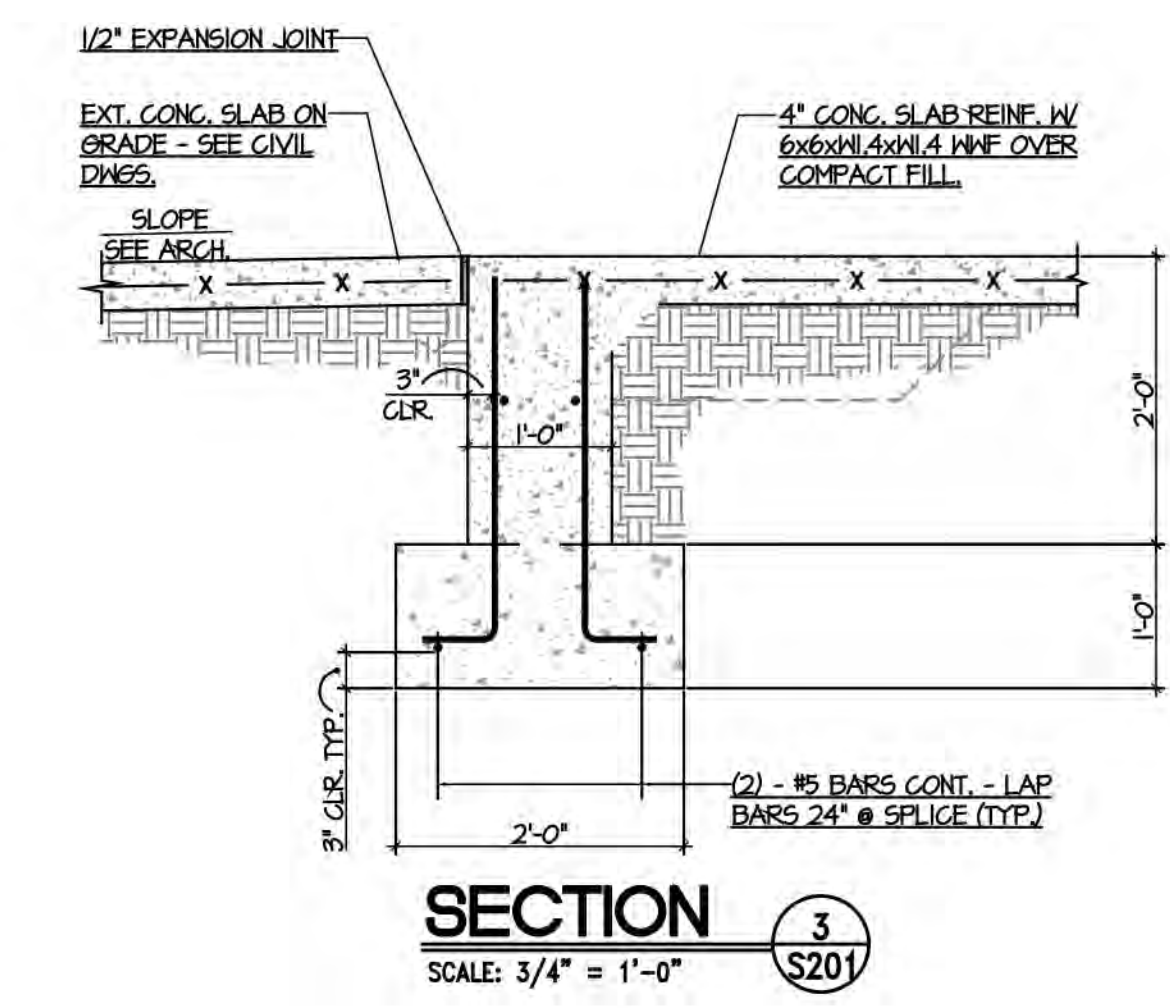
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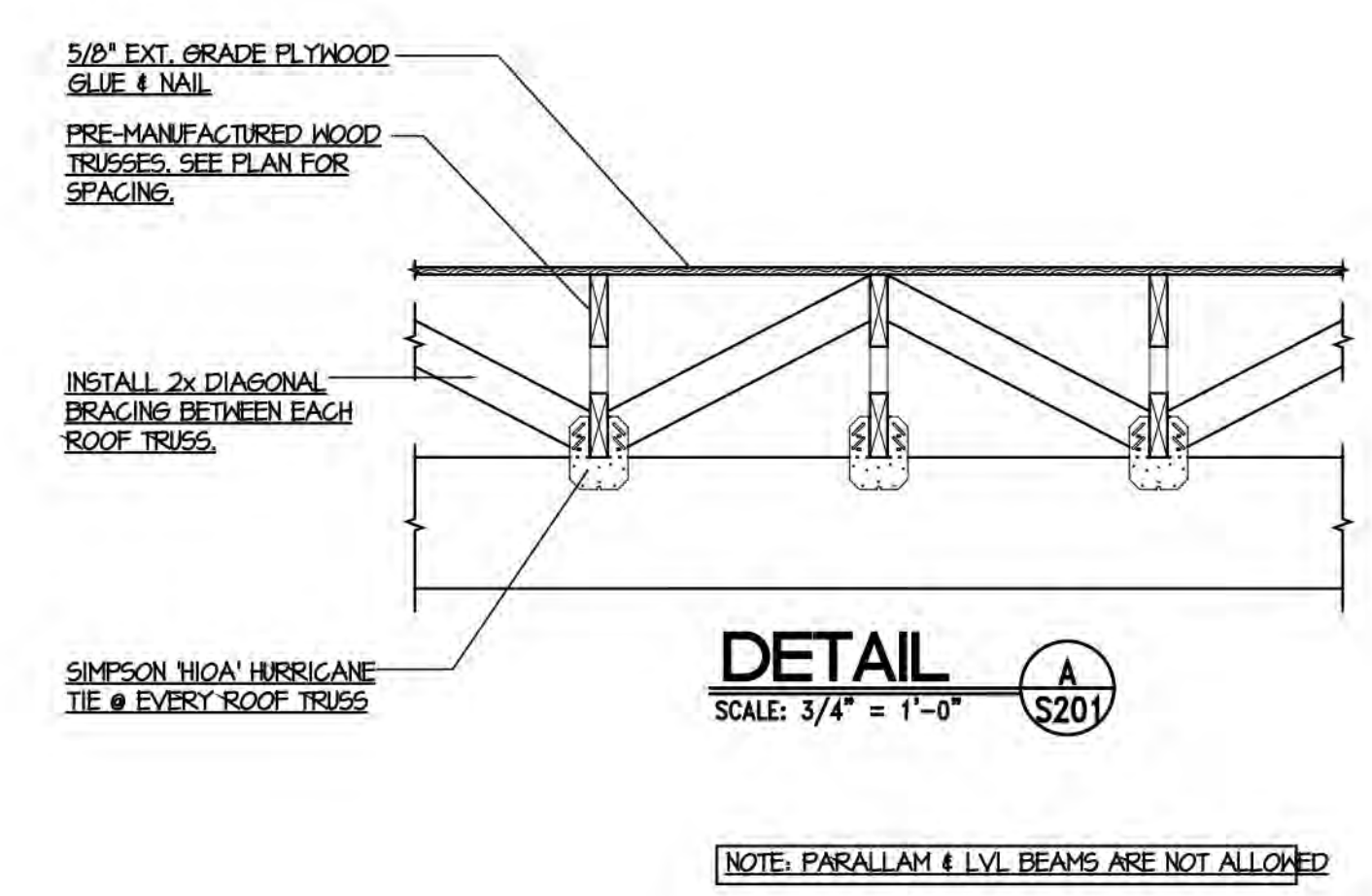
**WAVERLY PARK**  
AT  
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1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

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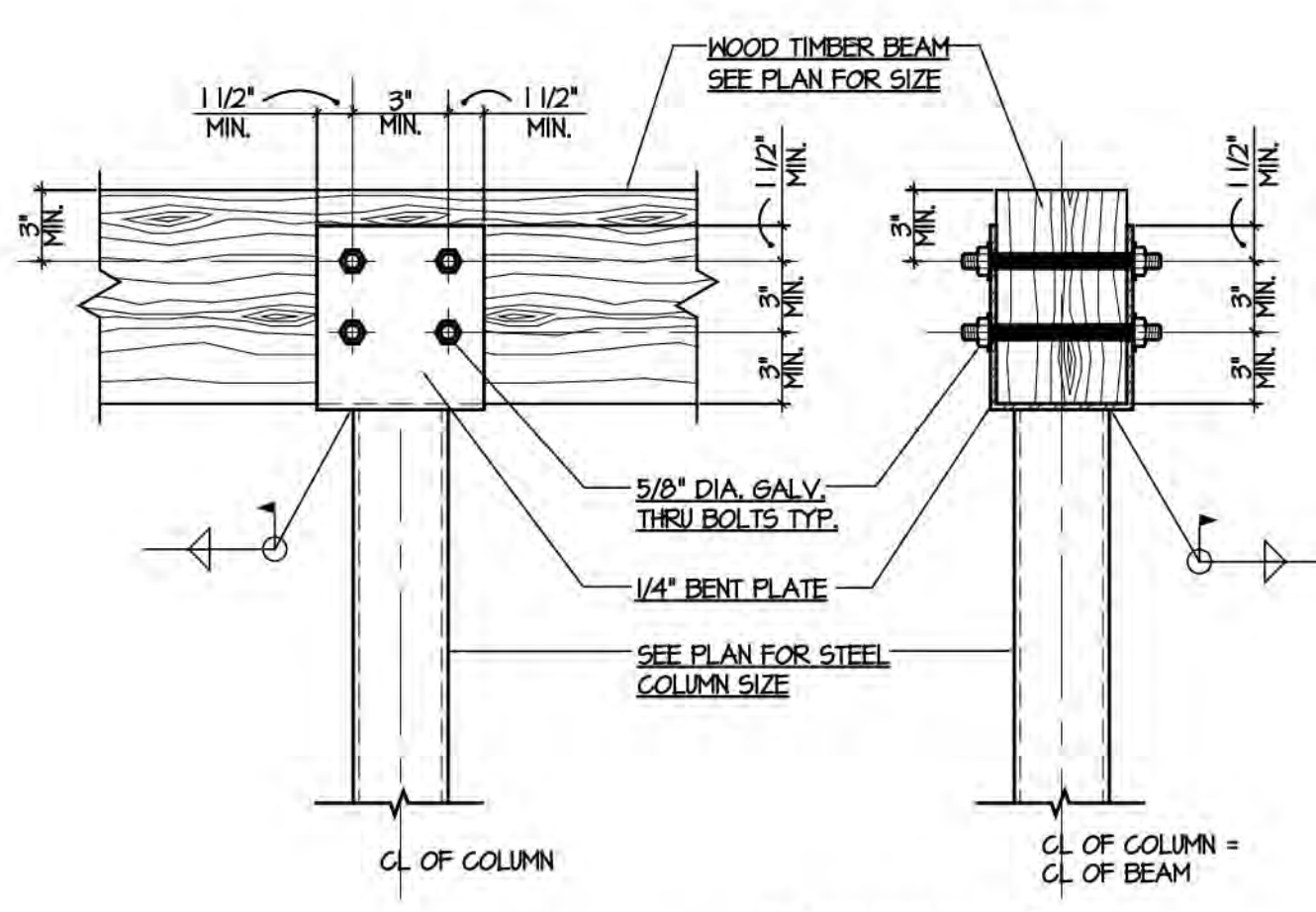
Revision Schedule		
#	Description	Date



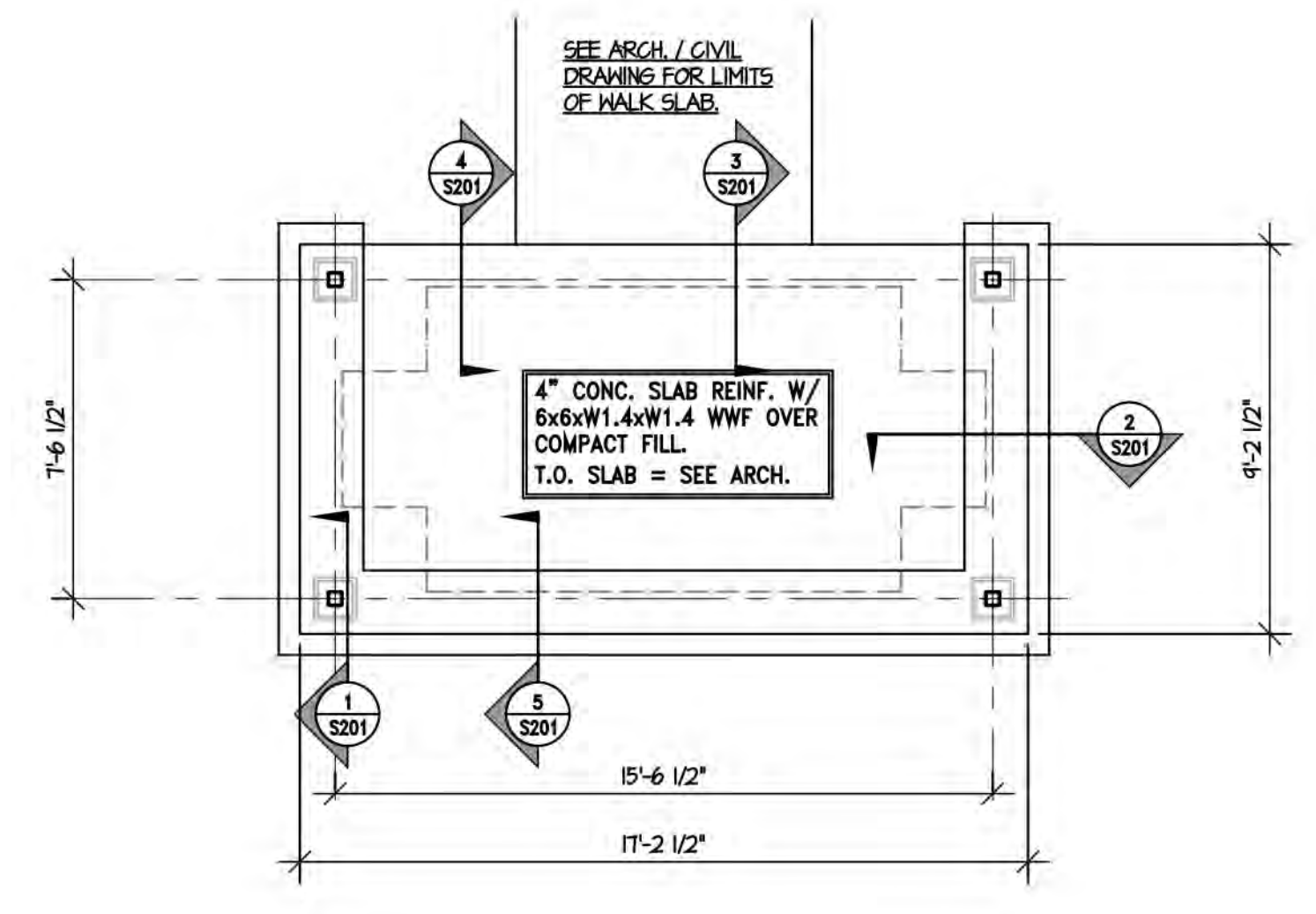
**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



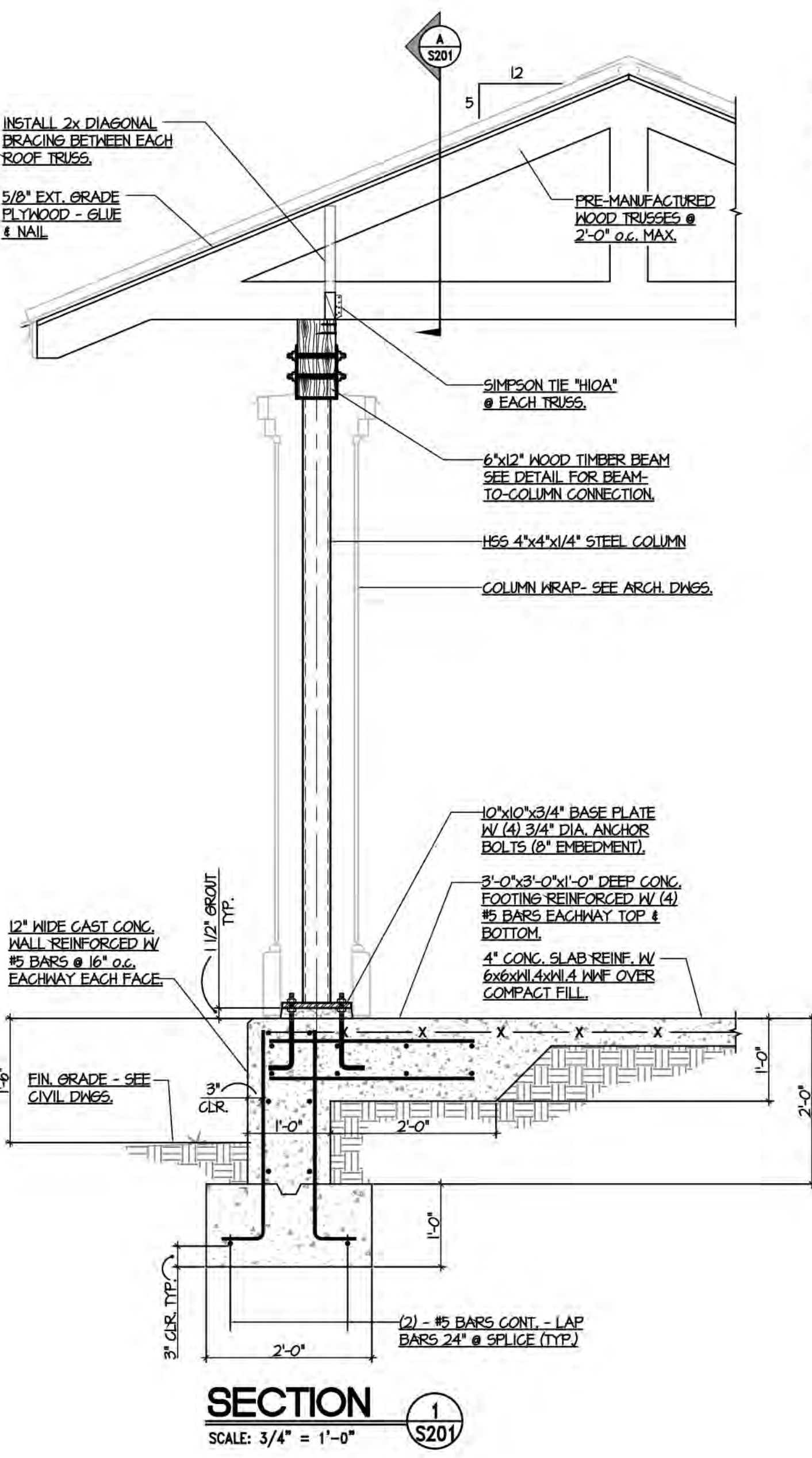
**DETAIL A**  
SCALE: 3/4" = 1'-0"



**TYPICAL CONNECTION OF WOOD BEAM  
END TO STEEL COLUMN DETAIL**  
SCALE: 1 1/2" = 1'-0"



**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



**SECTION 1**  
SCALE: 3/4" = 1'-0"

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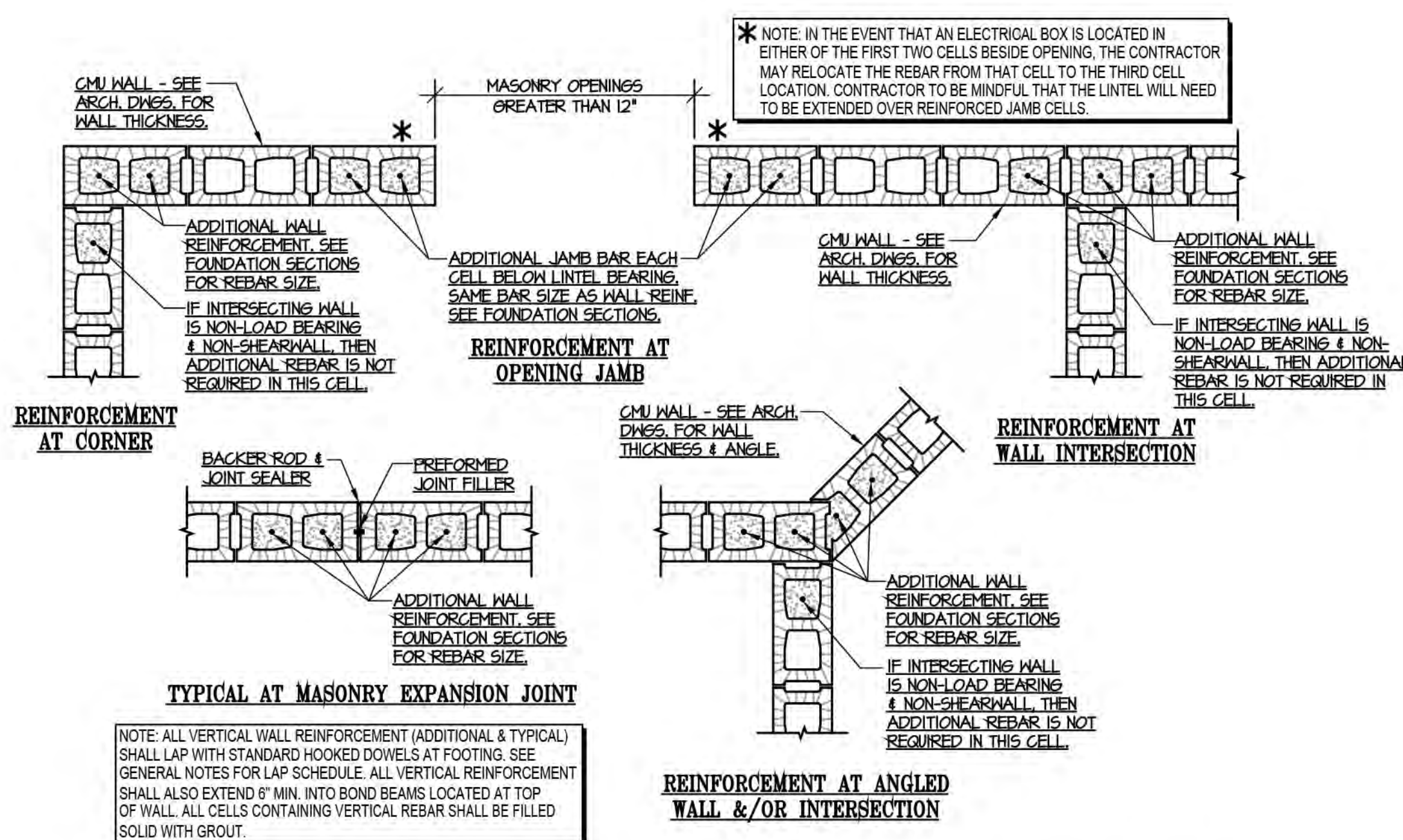
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Revision Schedule		
#	Description	Date

CONCESSIONS  
SECTIONS &  
DETAILS  
S300

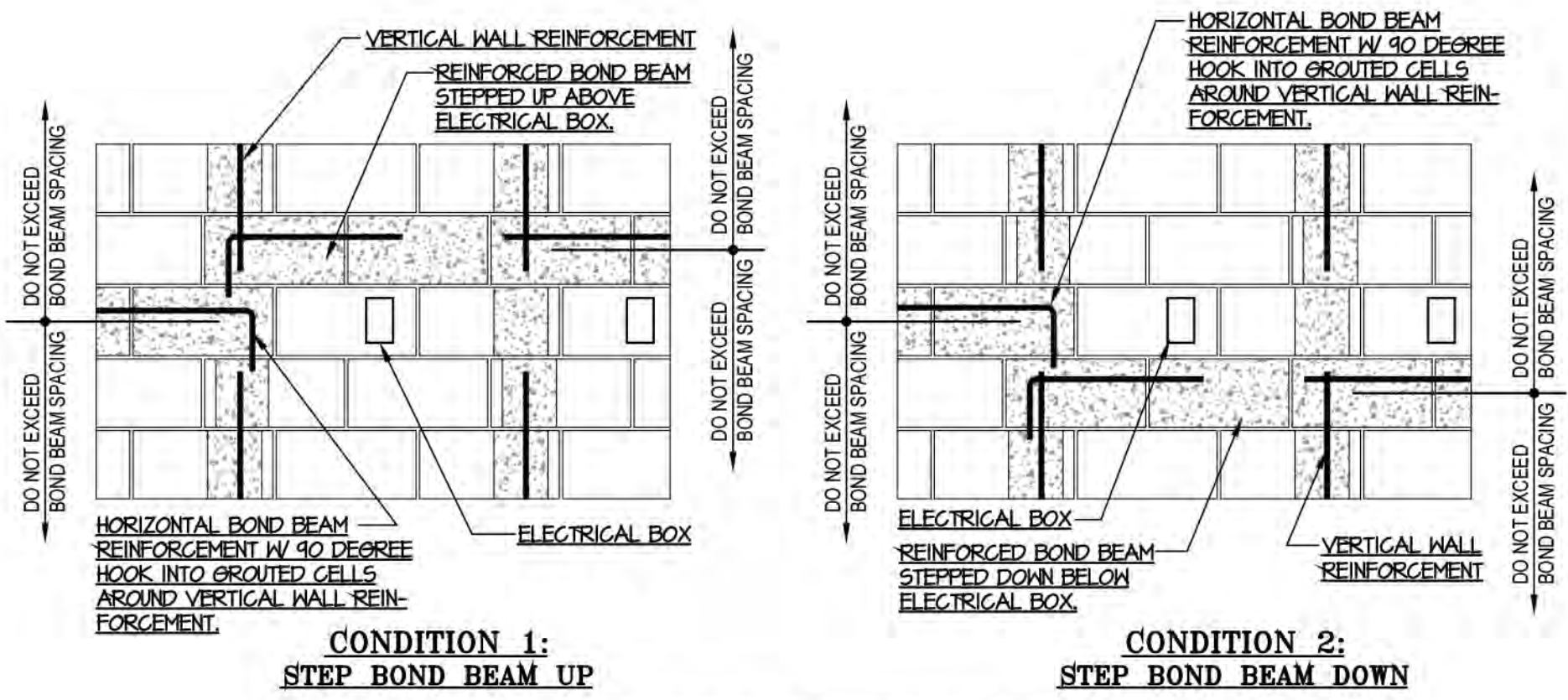
WE 22-160



TYPICAL AT MASONRY EXPANSION JOINT

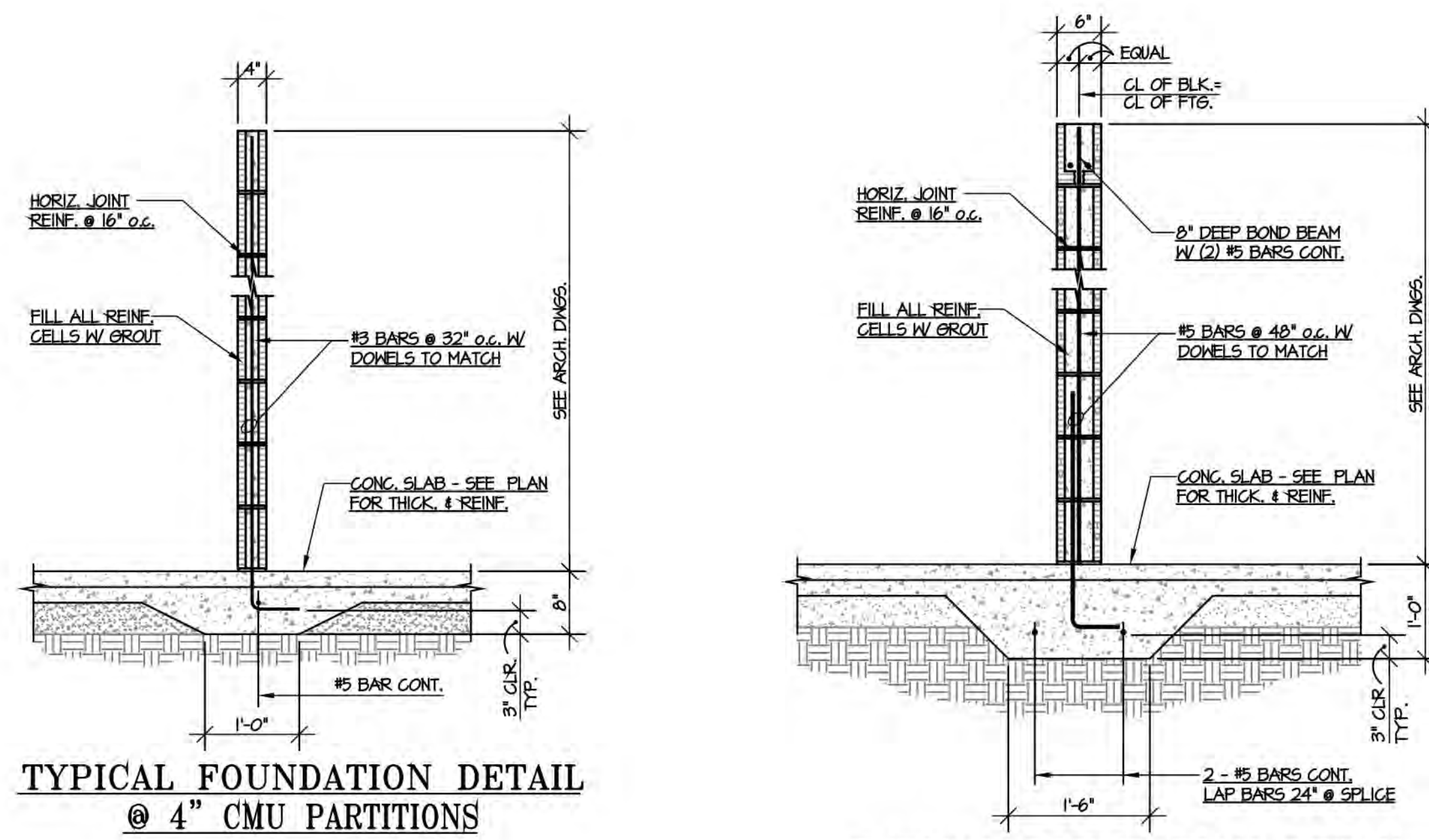
NOTE: ALL VERTICAL WALL REINFORCEMENT (ADDITIONAL & TYPICAL) SHALL LAP WITH STANDARD HOOKED DOVELS AT FOOTING. SEE GENERAL NOTES FOR LAP SCHEDULE. ALL VERTICAL REINFORCEMENT SHALL ALSO EXTEND 1" MIN INTO BOND BEAMS LOCATED AT TOP OF WALL. ALL CELLS CONTAINING VERTICAL REBAR SHALL BE FILLED SOLID WITH GROUT.

**ADDITIONAL REINFORCEMENT DETAILS FOR LOAD-BEARING MASONRY WALLS**  
NO SCALE



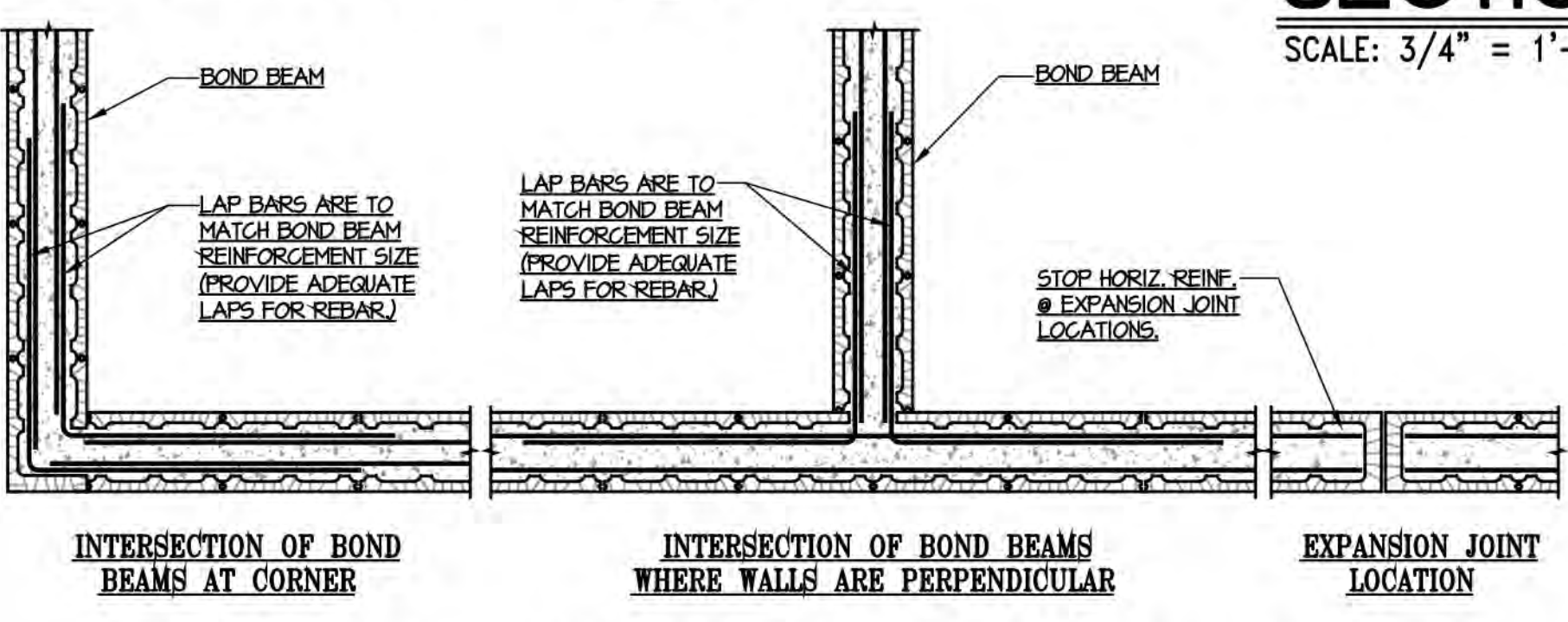
TYPICAL STEPPED BOND BEAM @ ELECTRICAL BOX  
NO SCALE

NOTE: TO AVOID STEPPED BOND BEAMS, THE CONTRACTOR MAY SET BOND BEAM ELEVATIONS CLOSER TOGETHER TO MISS ELECTRICAL AND PLUMBING BOXES. HOWEVER, IN NO CASE SHALL THE BOND BEAM SPACING EXCEED THE MAXIMUM VERTICAL SPACING AS NOTED IN THE STRUCTURAL DRAWINGS.



SECTION 1  
SCALE: 3/4" = 1'-0"

SECTION 2  
SCALE: 3/4" = 1'-0"



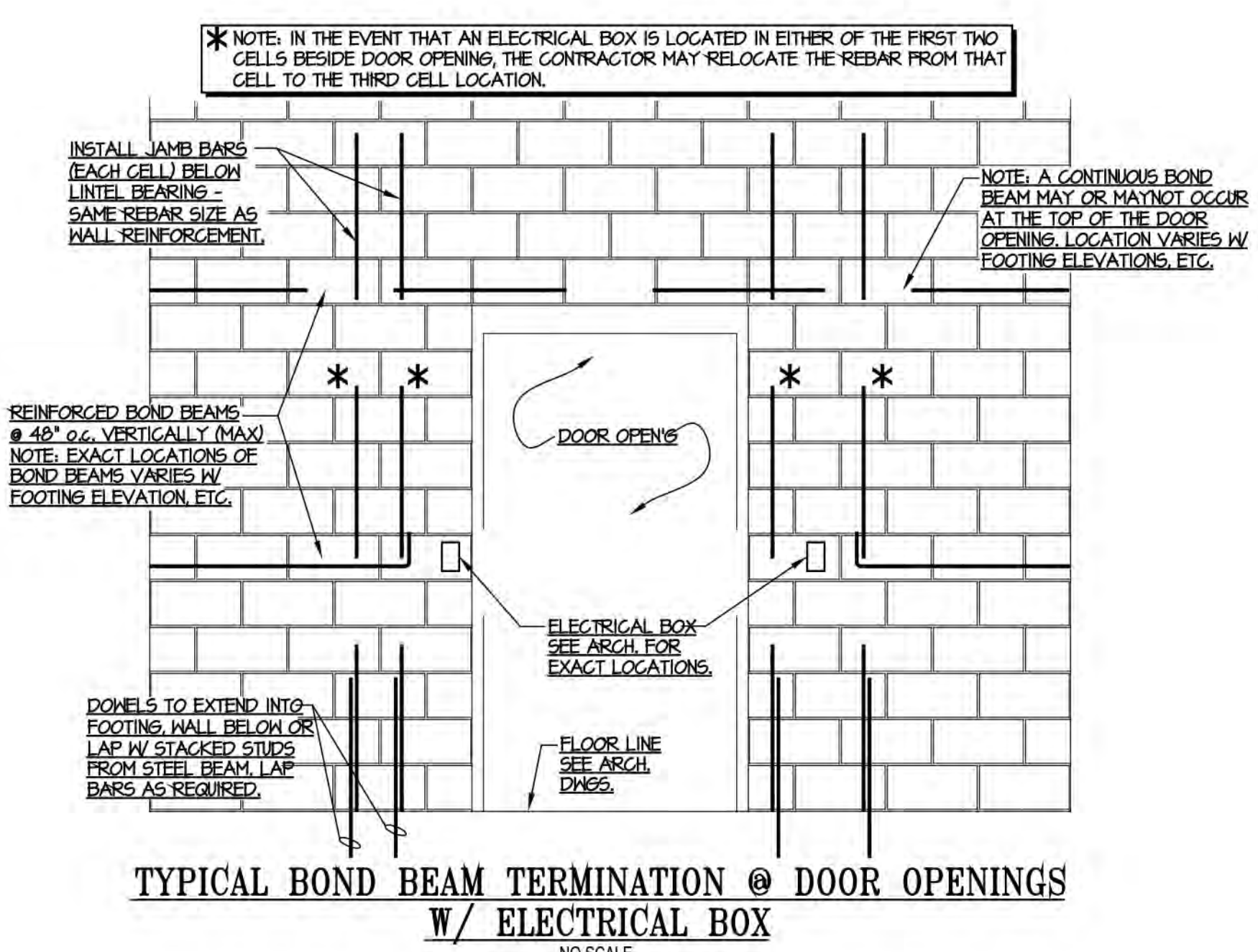
TYPICAL BOND BEAM INTERSECTION DETAILS  
NO SCALE

**REBAR LAP SPLICES IN REINFORCED MASONRY**

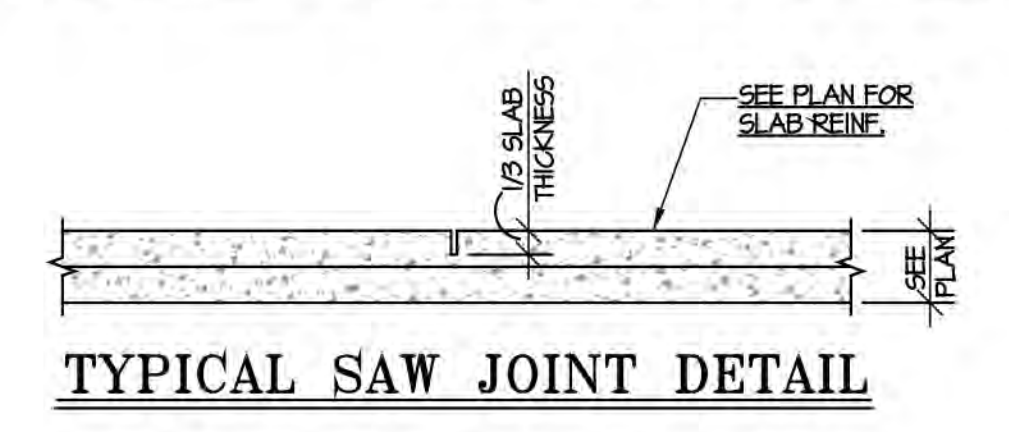
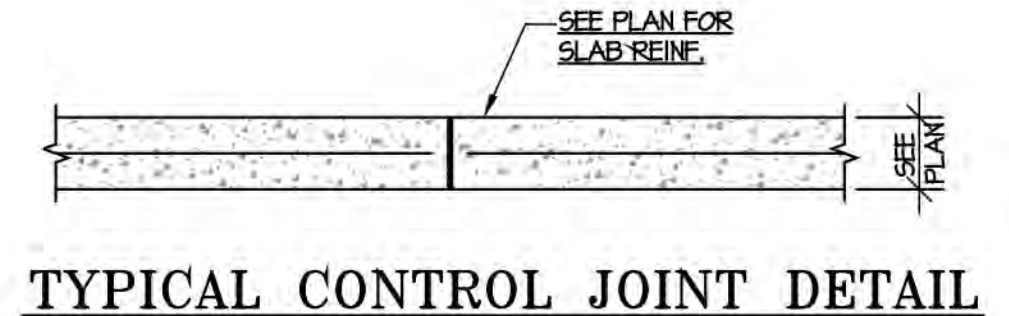
BAR SIZE	REQUIRED LAP
#4 BAR	24" LAP
#5 BAR	30" LAP
#6 BAR	48" LAP
#7 BAR	60" LAP
#8 BAR	90" LAP

**MINIMUM CONCRETE COVER**

- CONCRETE CAST AGAINST EARTH:
  - ALL BARS: 3" COVER
- CONCRETE EXPOSED TO EARTH OR WEATHER:
  - #6 THROUGH #18 BARS: 2" COVER
  - #5 BAR AND SMALLER: 1-1/2" COVER
- CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
  - SLABS & WALLS #14 AND #18 BARS: 1-1/2" COVER
  - SLABS & WALLS #11 BAR AND SMALLER: 3/4" COVER
  - BEAMS & COLUMNS (ALL REINFORCEMENT): 1-1/2" COVER



TYPICAL BOND BEAM TERMINATION @ DOOR OPENINGS W/ ELECTRICAL BOX  
NO SCALE



TYPICAL CONTROL JOINT DETAIL

TYPICAL SAW JOINT DETAIL



**WAVERLY PARK**

AT  
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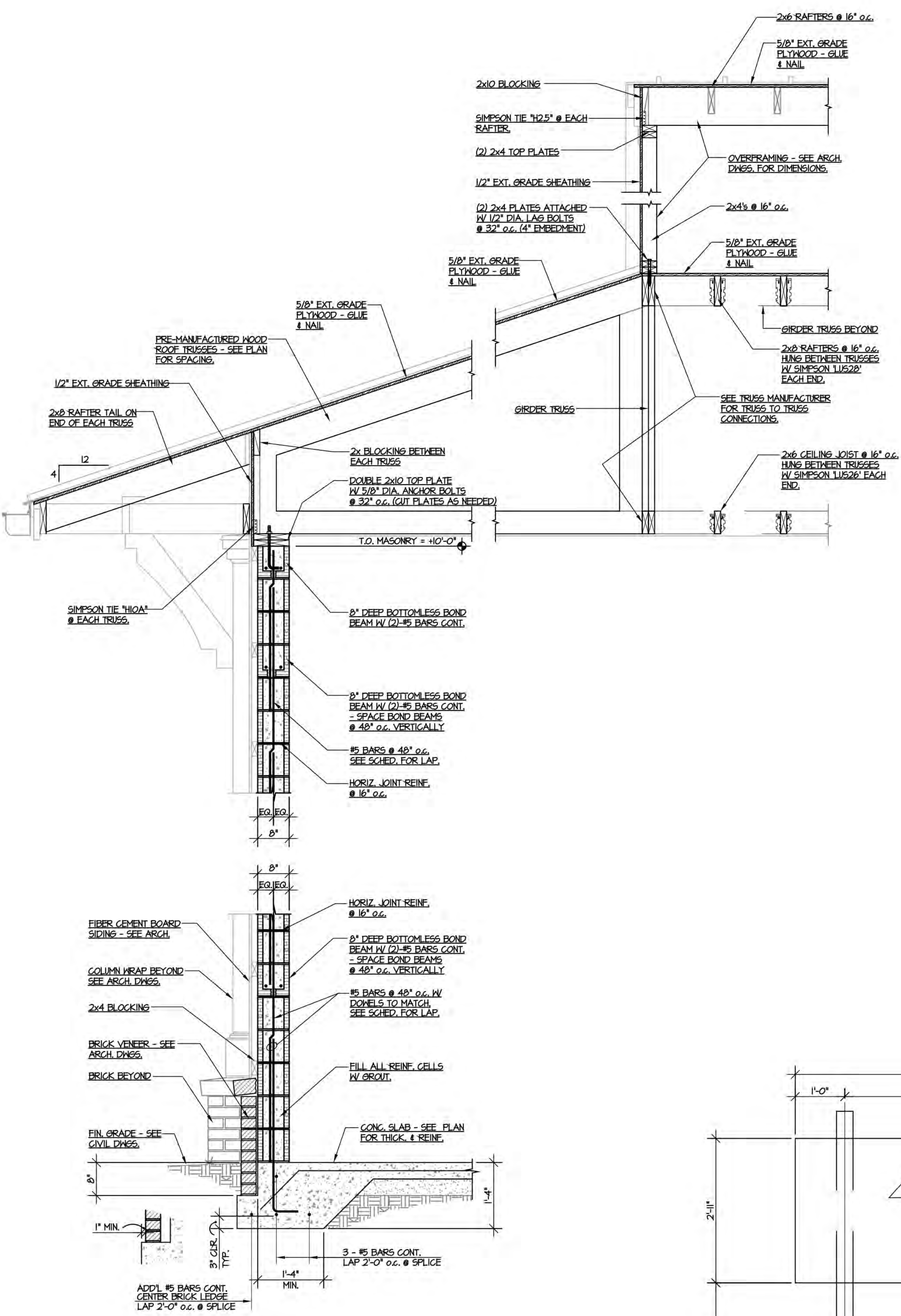
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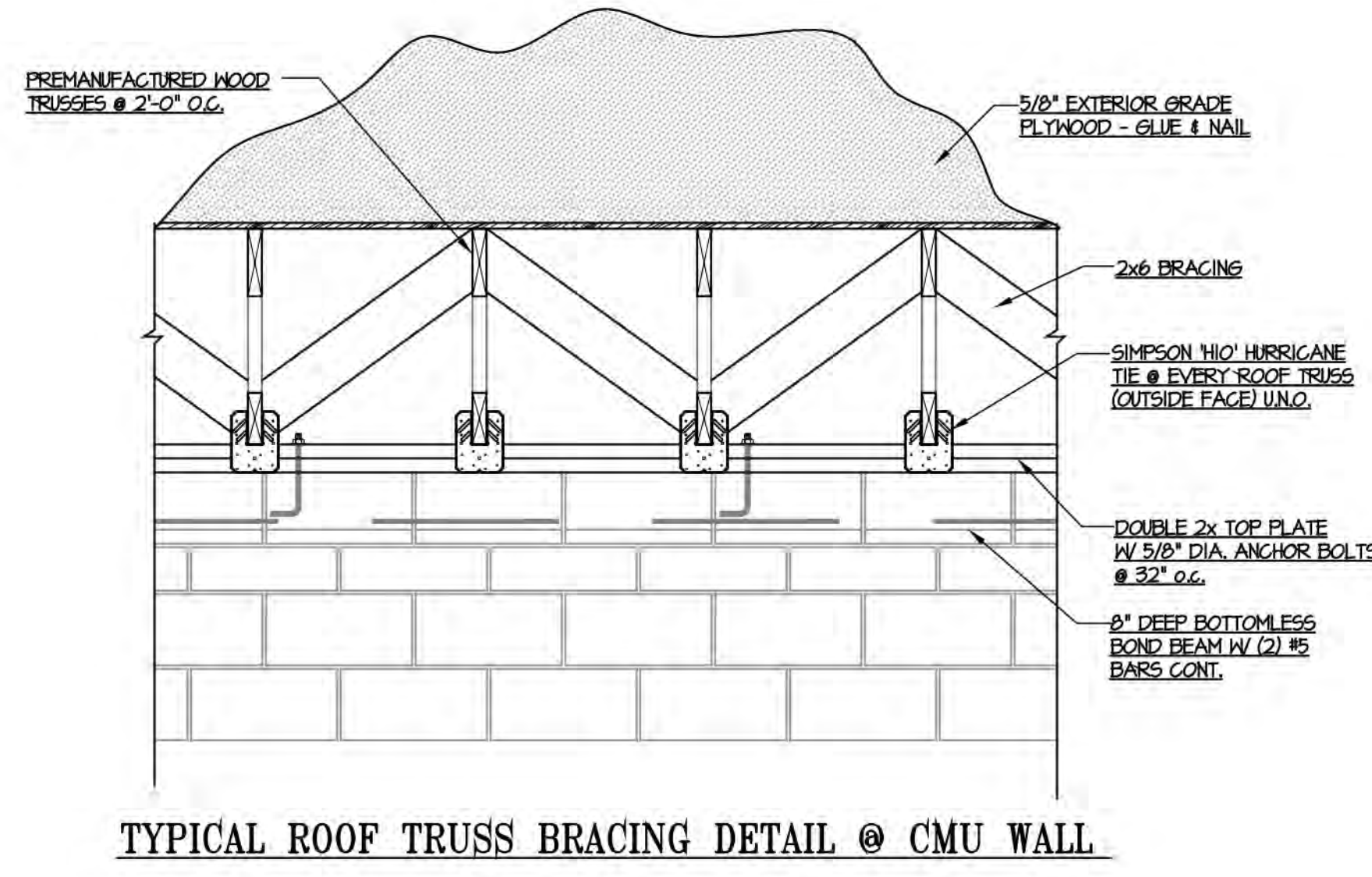
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Revision Schedule		
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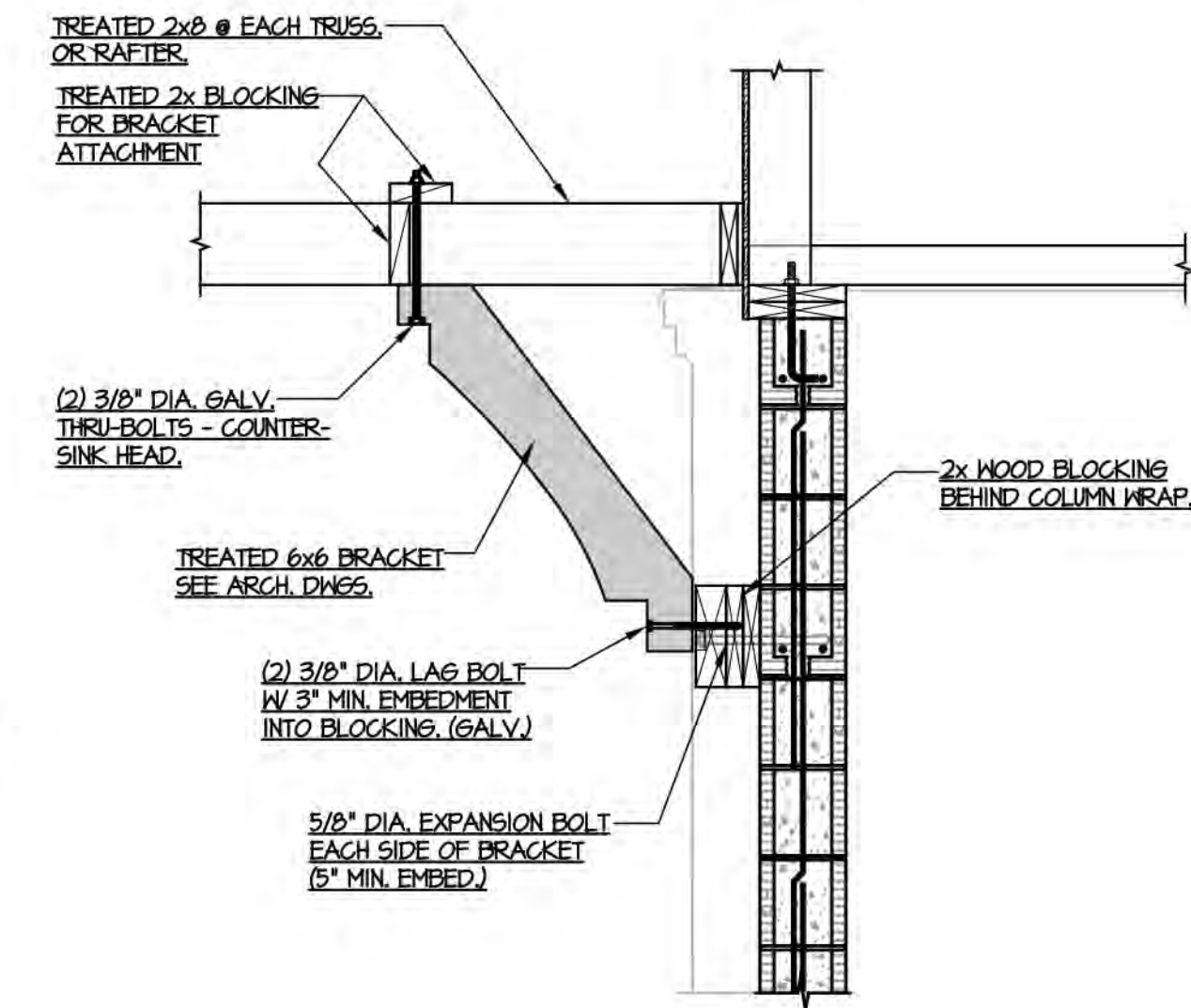
CONCESSIONS  
SECTIONS &  
DETAILS  
S301



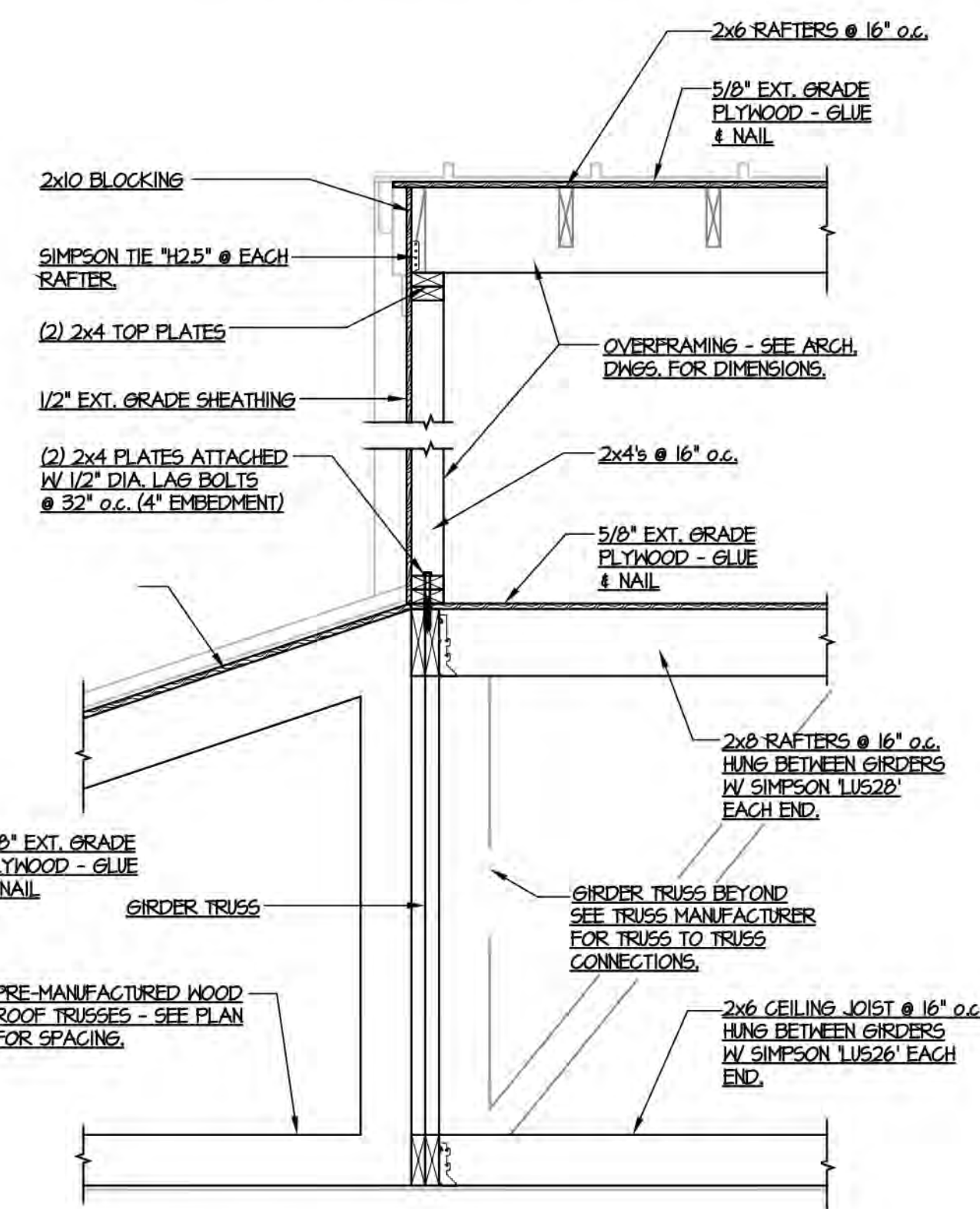
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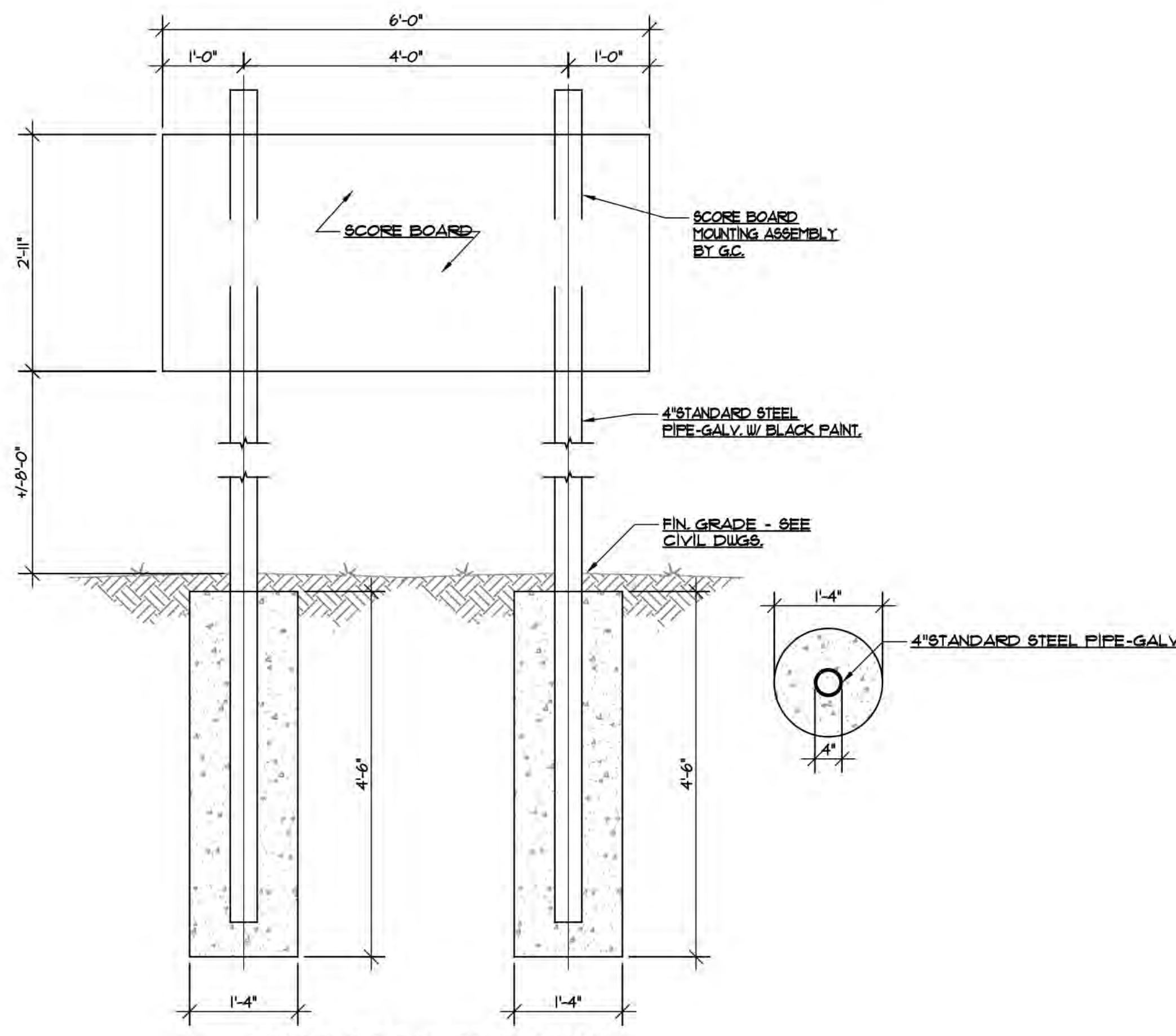
TYPICAL ROOF TRUSS BRACING DETAIL @ CMU WALL



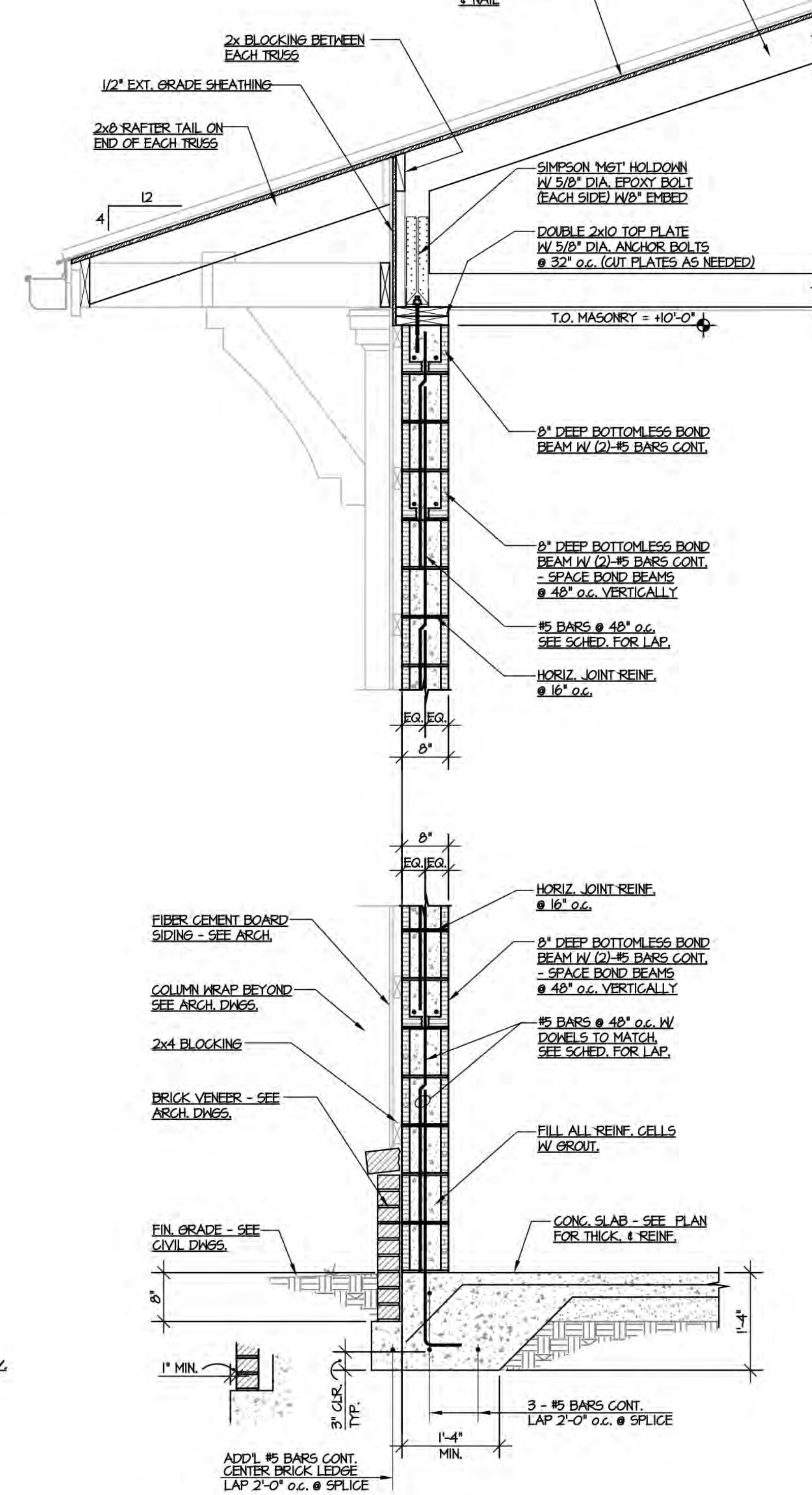
TYPICAL NON-STRUCTURAL WOOD BRACKET ATTACHMENT DETAIL



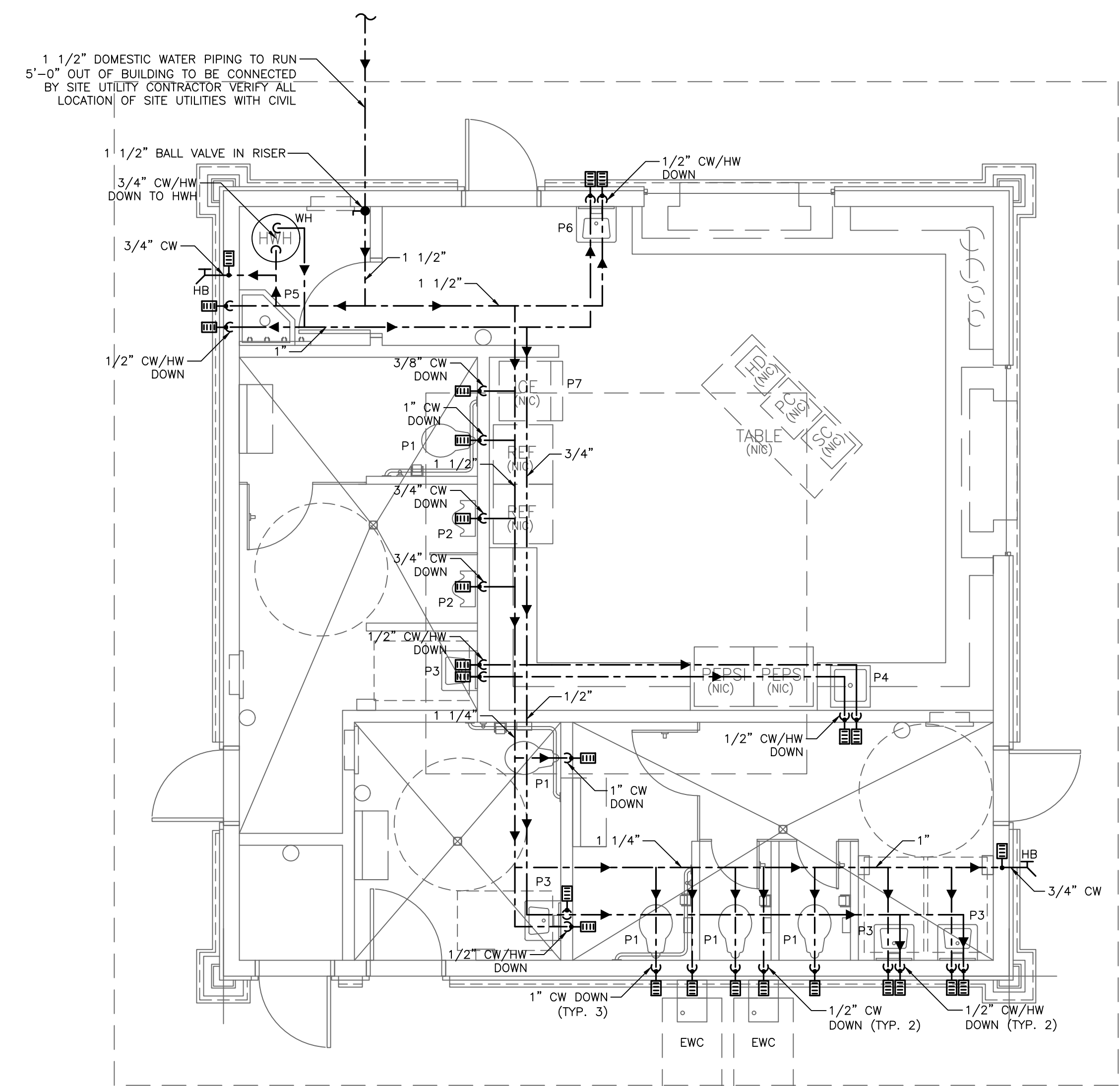
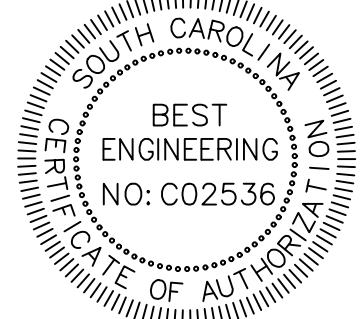
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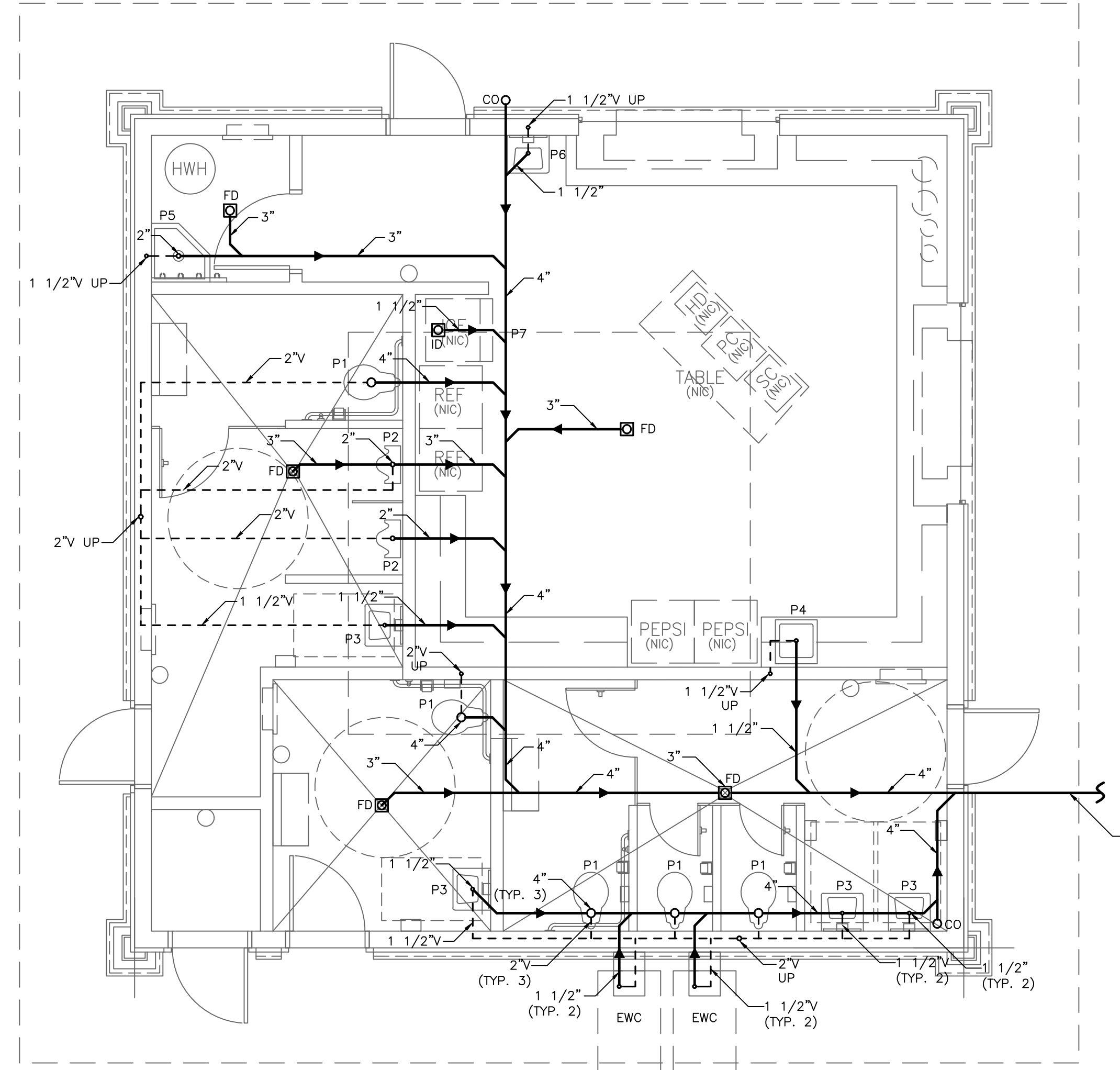
**SECTION 4**  
SCALE: 1" = 1'-0"



**SECTION 3**  
SCALE: 3/4" = 1'-0"



**PLAN A**  
**P100**  
**DOMESTIC WATER PLAN**  
 SCALE: 1/4" = 1' - 0"

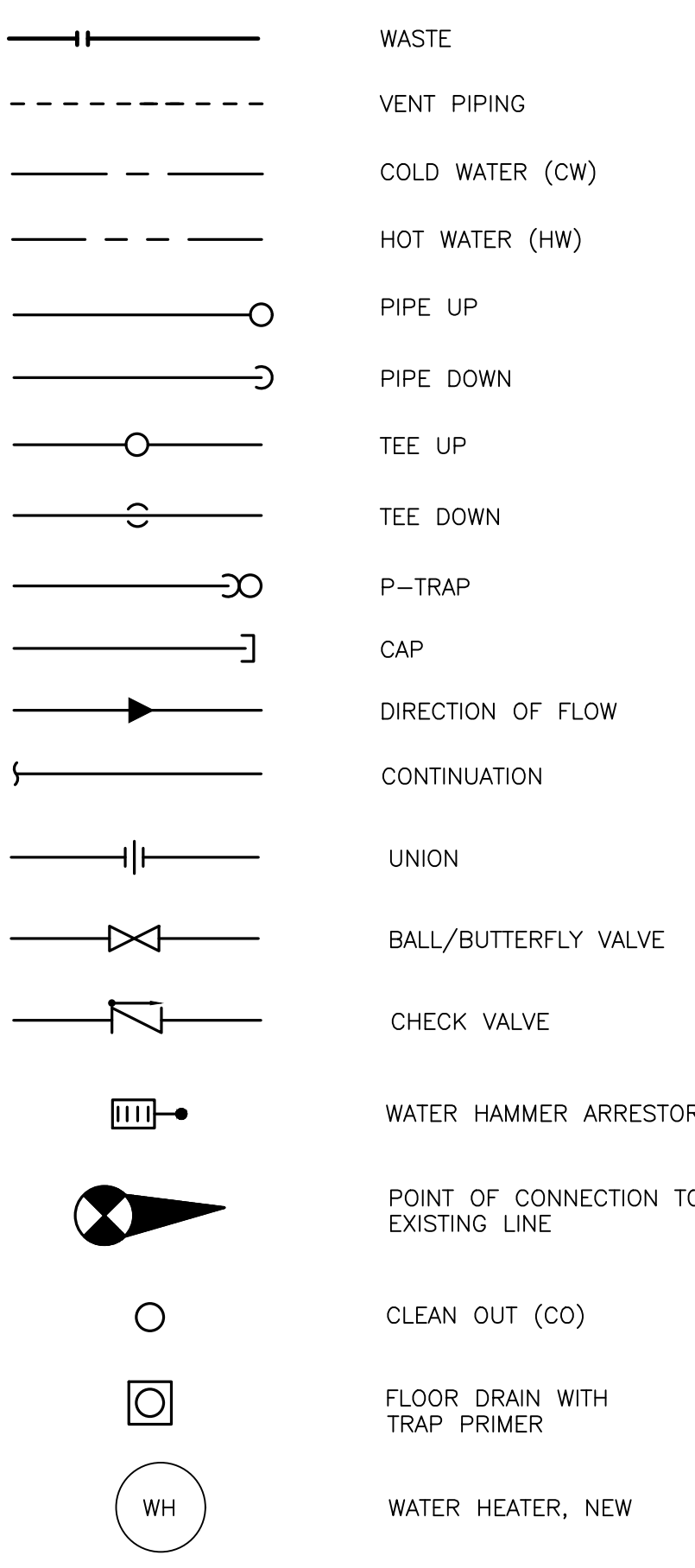


**PLAN A**  
**P100**  
**SANITARY & VENT PLAN**  
 SCALE: 1/4" = 1' - 0"

**PLUMBING PLAN NOTES**

1. ALL PIPING SHALL BE INSULATED PER THE SPECIFICATIONS. PIPING IS SHOWN SCHEMATICALLY ONLY. ACTUAL FIELD LOCATIONS MAY VARY.
2. IN GENERAL, THE VENTS TO ROOF THAT ARE SHOWN CAN BE TIED TOGETHER ABOVE THE CEILING OR IN ATTIC SPACE BEFORE GOING THROUGH THE ROOF.
3. RUN ALL VENTS UP THROUGH ROOF ON BACK SIDE OF BUILDING.
4. FIXTURES HAVING CONCEALED CONNECTIONS SHALL BE PROVIDED WITH AN ACCESS PANEL ARRANGED AS TO MAKE THE CONNECTIONS ACCESSIBLE FOR INSPECTION AND REPAIR.
5. PROVIDE HAND-SHIELD SAFETY COVERS ON ALL EXPOSED PIPING IN RESTROOMS.
6. PLUMBING FIXTURES TO BE PLACED PER DIMENSIONS GIVEN ON ARCHITECTURAL SHEETS.
7. INSTALL ALL FIXTURES PER MANUFACTURER'S INSTRUCTIONS.

**PLUMBING LEGEND**



**PLUMBING FIXTURE SCHEDULE**

TAG	DESCRIPTION	CONNECTIONS				MANUFACTURER'S - MAKE - MODEL - COMMENTS
		WASTE	VENT	COLD W	HOT W	
P1	WATER CLOSET FLUSH VALVE (ADA APPROVED)	4"	2"	1"	---	TOILET: TOTO USA MODEL - CT705UN#01 FLOOR MOUNT TOILET (WHITE) ELONGATED BOWL, VIT. CHINA, OPEN FRONT SEAT MODEL - SC534#01 (WHITE); FLUSH VALVE MODEL - TET1LA32#CP WITH 1.28 GALLON. SEE NOTE 1.
P2	URINAL FLUSH VALVE (ADA APPROVED)	2"	2"	3/4"	---	URINAL: VIT CHINA, WALL MOUNT, TOP SPUD, TOTO USA MODEL - UT447E#01 0.5 GALLON (WHITE); FLUSH VALVE MODEL: TEU1LA12#CP WITH 0.5 GALLON. SEE NOTE 1.
P3	LAVATORY WALL MOUNT (ADA APPROVED)	1 1/2"	1 1/2"	1/2"	1/2"	COMMERCIAL WALL-HUNG LAVATORY TOTO MODEL NUMBER - LT307(A) SHALL BE MADE OF VITREOUS CHINA W/ BACK SPLASH, PUNCHING FOR CONCEALED ARM CARRIER, WALL HANGER, SOAP DISPENSER HOLE.
P4	DROP IN SINK (ADA APPROVED)	1 1/2"	1 1/2"	1/2"	1/2"	SINK: SINGLE BOWL, THREE HOLE, ELKAY LRAD2222 FAUCET: DELTA MODEL 26C3924
P5	MOP SINK	2"	2"	1/2"	1/2"	SINK: CORNER STYLE, FLOOR MOUNT, FLORESTONE 95 NEO ANGLE TERRAZZO FAUCET: WALLMOUNT SERVICE SINK, FAUCET DELTA MODEL 2819
P6	WALL MOUNT HAND SINK	1 1/2"	1 1/2"	1/2"	1/2"	SINK: VIT CHINA, AMERICAN STANDARD, "LUCERNE" 0356.028 WITH CONCEALED CARRIER FAUCET: DELTA, 501 WFHDF (WITH GRID DRAIN) ADA APPROVED FAUCET AND LAVATORY WHEN INSTALLED AT PROPER HEIGHT
P7	ICE MAKER CONNECTION	1-1/2" INDIRECT	---	3/8"	---	OATEY 3860B ICEMAKER OUTLET BOX WITH HAMMER ARRESTOR
EWC	ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1/2"	---	WALL MOUNT, VANDAL RESISTANT, BARRIER FREE ACCESS, FROST RESISTANT ELKAY VRCFR8S
WH	WATER HEATER	---	---	3/4"	3/4"	A. O. SMITH PXS140 CONSERVATIONIST 4500W
HB	HOSE BIBB	---	---	3/4"	---	WOODFORD 65C FROST PROOF, WITH LOOSE KEY OPERATOR AND VACUUM BREAKER
FD	FLOOR DRAIN	3"	---	---	---	ZURN FD-2290. PROVIDE TRAP PRIMER ON EACH, FEED FROM NEAREST SINK

NOTES:  
 1. VERIFY FLUSH VALVE TYPE WITH OWNER.

**MINIMUM PIPING INSULATION SCHEDULE**

PIPING SYSTEM	"F	PIPE SIZE	INSULATION THICKNESS/MATERIAL	INSULATION COVERING/JACKET	NOTES
DOMESTIC COLD WATER	55 - 65	UP TO 1"	1/2" FIBERGLASS	ALL SERVICE JACKET	SEAL ALL JOINTS FULLY
DOMESTIC HOT WATER	105 - 140	UP TO 1"	3/4" FIBERGLASS	ALL SERVICE JACKET	SEAL ALL JOINTS FULLY
CONDENSATE DRAINS-COPPER/STL	AMB.	ALL	1/2" FIBERGLASS	ALL SERVICE JACKET	SEAL ALL JOINTS FULLY
CONDENSATE DRAINS - PVC/PLASTIC	AMB.	ALL	NONE	NONE	-

NOTES: PROVIDE INSULATION PER INTERNATIONAL ENERGY CODE WHERE MORE STRINGENT

**PLUMBING PIPE SCHEDULE**

PIPING SYSTEM	PIPING MATERIALS			PIPE FITTINGS		CONDITIONS		FIELD TEST		REMARKS	
	SIZES	SCH	ASTM	MATERIAL	TYPE	TEMP °F	PRESS.	TIME	PRESS.		
DOMESTIC HOT WATER SUPPLY	ALL	-	B75,88,251	PEX **	PEX **	SJ	40-140	120 PSI	2 HR	100 PSI	TEST PER LOCAL REQUIREMENTS
DOMESTIC COLD WATER-BELOW GRADE	ALL	-	B75,88,251	PEX **	PEX **	SJ	40-140	120 PSI	2 HR	100 PSI	TEST PER LOCAL REQUIREMENTS
DOMESTIC COLD WATER-ABOVE GRADE	ALL	-	B75,88,251	PEX **	PEX **	SJ	40-140	120 PSI	2 HR	100 PSI	TEST PER LOCAL REQUIREMENTS
WASTE/VENT BELOW GRADE	ALL	40	D2665	PVC-1120	PVC	SW	40-100	-	1/2 HR	10 FEET	-
WASTE/VENT ABOVE GRADE	ALL	40	D2665	PVC-1120	PVC	SW	40-100	-	1/2 HR	10 FEET	-
HVAC CONDENSATE DRAIN LINES	ALL	40	D2665	PVC	PVC	SW	35	-	-	-	-

NOTES: SOME OF THE ABOVE PIPING SPECIFICATIONS AND SYSTEMS DO NOT APPLY SPECIFICALLY TO THIS PROJECT.  
 \* REQUIRES CERTIFIED WELDER.  
 \*\* PEX TUBING SHALL MEET ALL THE REQUIREMENTS OF THE IPC (INTERNATIONAL PLUMBING CODE) LATEST ADOPTED ADDITION AND ALL LOCAL PLUMBING CODE REQUIREMENTS. IPC SECTION 605 MATERIALS, JOINTS AND CONNECTIONS; TABLE 605.5 WATER DISTRIBUTION PIPE AND TABLE 605.6 MANUFACTURED PIPE NIPPLES. ALL PIPING SHALL BE SUPPORTED PER IPC SECTION 308 PIPING SUPPORT. PIPE SHALL BE SUPPORTED PER IPC SECTION 308 TABLE 308.5. CONTRACTOR SHALL SUBMIT MANUFACTURER'S INFORMATION AND RECOMMENDATIONS ON PEX INSTALLATION DURING THE SUBMITTAL PROCESS FOR APPROVAL OF HANGER LOCATIONS.

WAVERLY PARK  
 WACCAMAW ELEMENTARY SCHOOL  
 1364 WAVERLY RD.  
 PAWLEY'S ISLAND, SC 29585

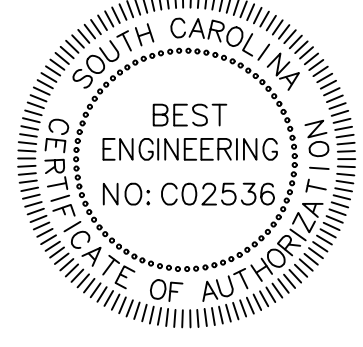
PROJECT NUMBER:  
 19-004-04  
 ISSUÉ DATE:  
 02/09/2022  
 DRAWN BY: BES  
 CHECKED BY: BES  
 BID SET REVISION

Revision Schedule		
#	Description	Date

**PLUMBING PLANS, LEGEND & SCHEDULES**

**P100**





**WAVERLY PARK**  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER:  
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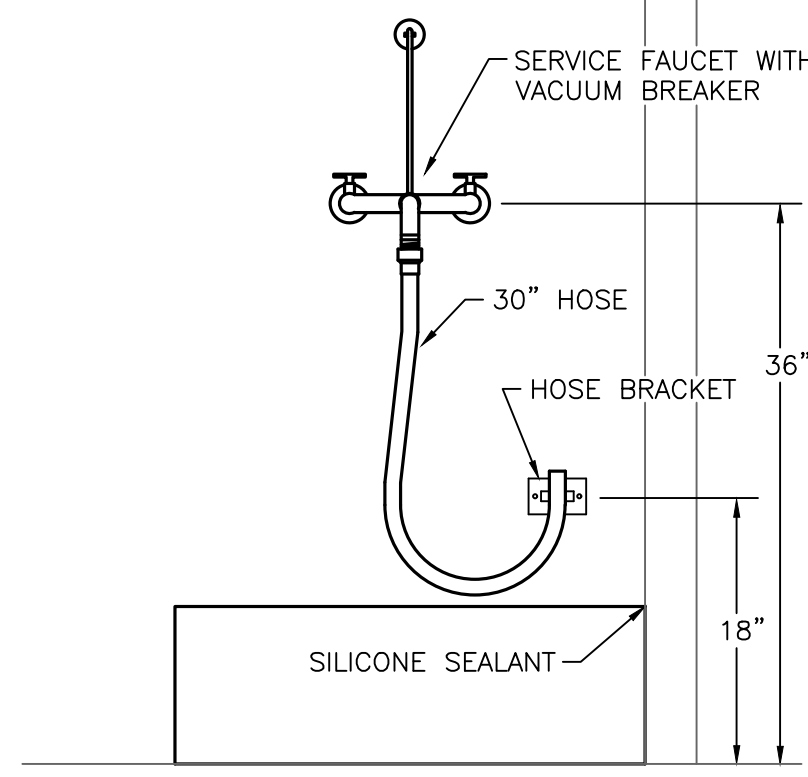
Revision Schedule		
#	Description	Date

**PLUMBING NOTES AND DETAILS**

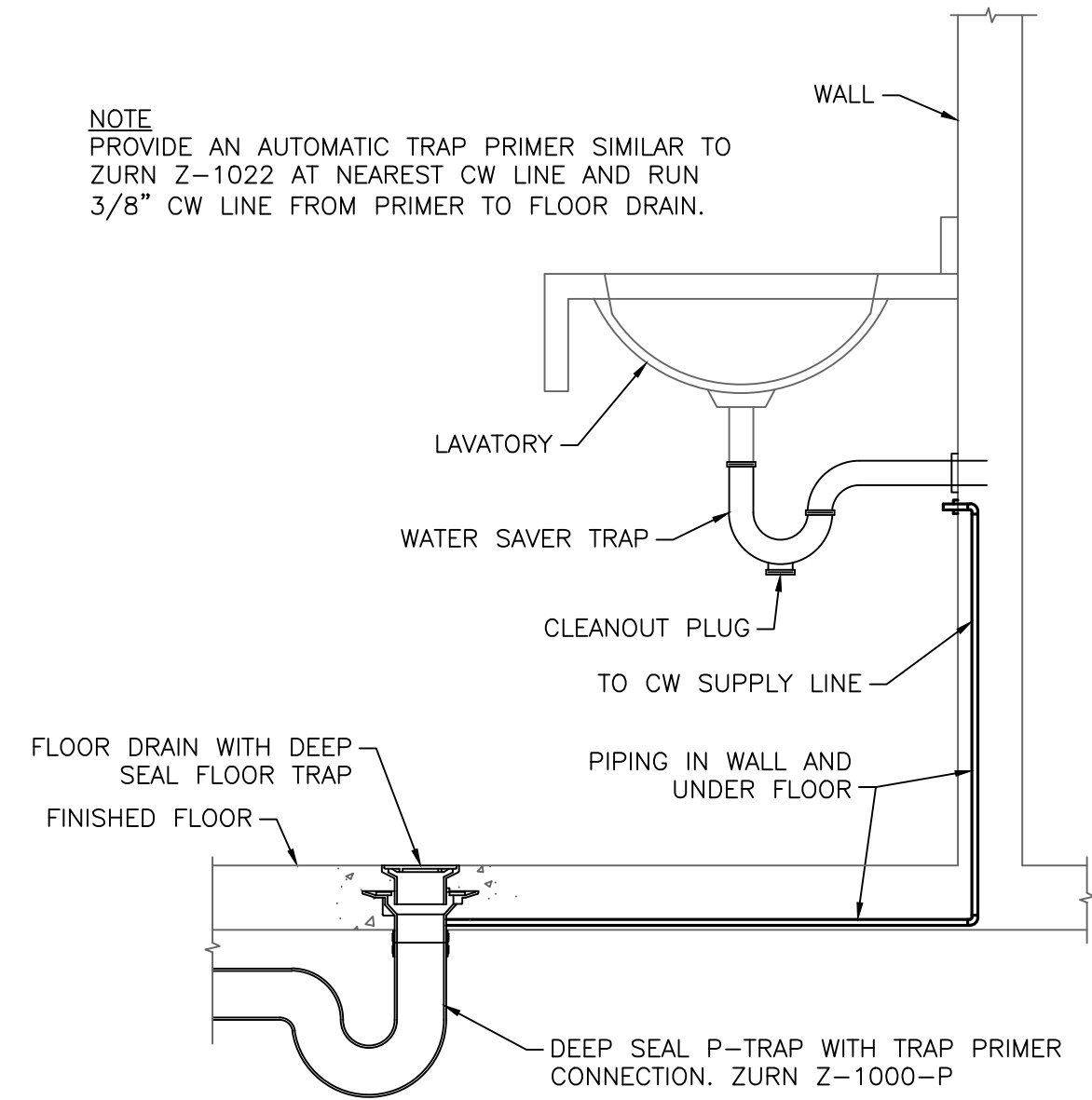
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**GENERAL PLUMBING NOTES**

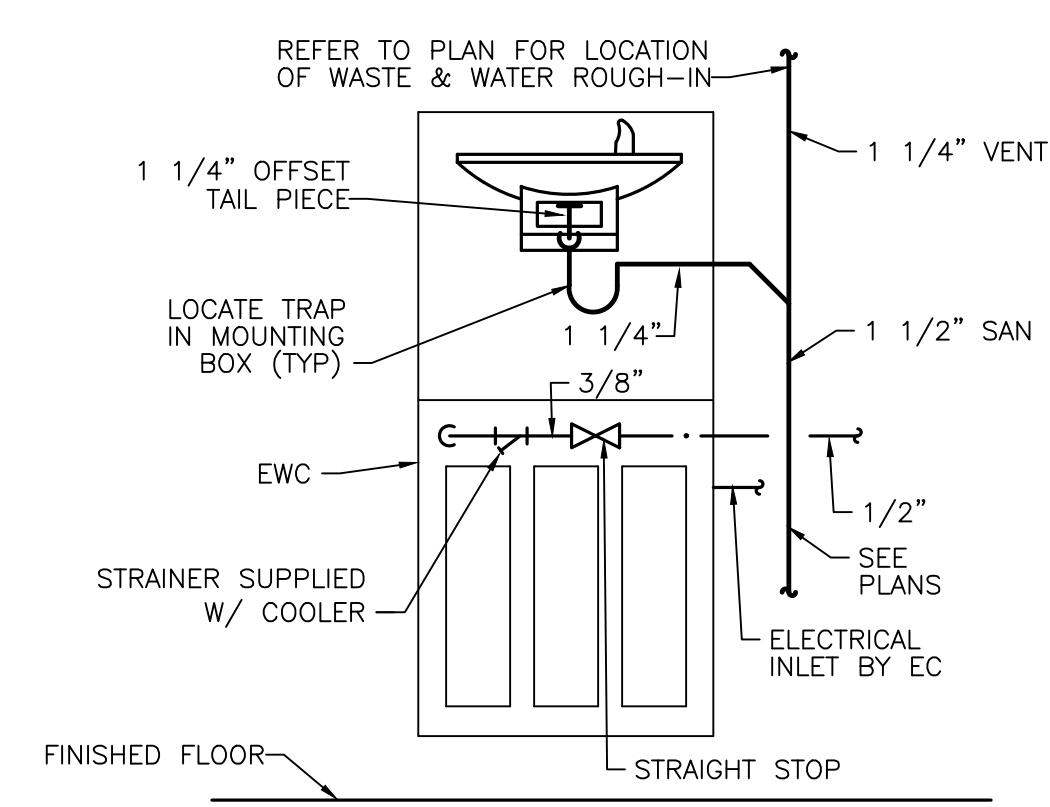
- ALL WORK SHALL BE COVERED BY THE LATEST EDITIONS OF THE IBC, PLUMBING, FIRE PROTECTION, BUILDING CODES, NATIONAL ELECTRICAL CODES AND NATIONAL FIRE PROTECTION ASSOCIATION CODES AS ADOPTED BY THE AUTHORITIES HAVING JURISDICTION. ALL MATERIALS, FIXTURES AND EQUIPMENT SHALL BE NEW, HIGH QUALITY AND FREE FROM ANY DEFECTS OR IMPERFECTIONS.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANSHIP MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE.
- CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS.
- CONTRACTOR SHALL SECURE AND PAY ALL PERMITS, FEES INSPECTIONS, AND TESTS. SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR.
- DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE. FOR THE EXACT LOCATIONS OF FIXTURES, PIPING, EQUIPMENT, ETC. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, OWNER, PLUMBING & MANUFACTURES INSTALLATION MATERIALS, DRAWINGS, LATEST UPDATES AND PROCEDURES.
- STORM, WASTE AND VENT PIPING SHALL BE CONNECTED TO MAINS ON SITE PLAN. VERIFY ALL LOCATIONS AND INVERTS PRIOR TO BEGINNING ANY STORM OR WASTE PIPE INSTALLATION. SCHEDULE 40 POLYVINYL CHLORIDE (PVC) DWV (DRAIN WASTE AND VENT) PIPE AND FITTINGS SHALL CONFORM TO ASTM D2665, WITH SOLVENT WELDED JOINTS. SOLVENT CEMENT SHALL CONFORM TO ASTM D2564. "PUSH-ON" TYPE FITTING WITH GASKETS SHALL NOT BE ACCEPTABLE.
- WATER PIPING SHALL BE CONNECTION TO MAINS ON SITE PLAN. VERIFY LOCATION PRIOR TO BEGINNING WATER PIPE INSTALLATION.
- A DIELECTRIC COUPLING SHALL BE PROVIDED WHERE PIPING OF DIFFERENT MATERIALS ARE CONNECTED TOGETHER. DIELECTRIC UNIONS SHALL BE PROVIDED ON CONNECTIONS AT WATER HEATERS AND EXPANSION TANKS.
- ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATORS PAD (HAIR FELT LINING) SUPER STRUT MODEL C715/16. FILL VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM. CHASE TECHNOLOGY CORPORATION - CTC PR-855.
- PROVIDE BALL VALVES FOR SHUT OFF DUTY ON WATER PIPING WHERE IT CONNECTS TO APPLIANCES. GATE VALVES SHALL NOT BE ALLOWED.
- ALL WATER PIPING SHALL BE STERILIZED ACCORDING TO THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- ALL PIPING SHALL BE TESTED AS REQUIRED BY THE PLUMBING CODE AND THE AUTHORITIES HAVING JURISDICTION. PROVIDE WRITTEN REPORT OF RESULTS OF TEST TO THE ENGINEER.
- ALL INDIRECT AND CONDENSATE DRAIN LINES SUBJECT TO FREEZING SHALL BE INSULATED WITH JOHNS-MANVILLE "AEROTUBE" FOAM PLASTIC PIPE INSULATION, 1/2" THICK.
- IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO PROVIDE AN INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. IN THE EVENT THAT ADDITIONAL DETAILS OF SPECIAL CONSTRUCTION IS REQUIRED FOR WORK INDICATED OR SPECIFIED IN THIS SECTION OR WORK SPECIFIED IN OTHER SECTIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL EQUIPMENT AND MATERIALS WHICH IS USUALLY FURNISHED WITH SUCH SYSTEMS IN ORDER TO COMPLETE THE INSTALLATION, WHETHER SPECIFICALLY MENTIONED OR NOT.
- CONTRACTOR SHALL GUARANTEE, FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF SYSTEMS BY OWNER, EACH AND EVERY PIECE OF APPARATUS WHICH HAS BEEN INSTALLED UNDER HIS CONTRACT AND REMEDY DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE TO THE COMPLETE SATISFACTION OF THE OWNER.
- MATERIALS OTHER THAN THOSE SPECIFIED OR PRE-APPROVED AS LISTED ON THE DRAWINGS AND SPECIFICATIONS, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW NOT LESS THAN TEN WORKING DAYS PRIOR TO THE PROJECT BID DATE. SUBMITTALS MUST INCLUDE COMPLETE CATALOG NUMBERS AND SPECIFICATION SHEETS AND BE IN EITHER PDF FORMAT (PREFERRED) OR HARD COPY. FACSIMILES ARE NOT ACCEPTABLE. PARTIAL SUBMITTALS SHALL NOT BE ACCEPTED AND WILL BE REJECTED AUTOMATICALLY FOR INCOMPLETENESS. ONLY FULL AND COMPLETE SUBMITTALS WILL BE ACCEPTED FOR REVIEW.
- PEX PIPING IS ALLOWABLE, REFER SHEET P300 FOR SPECIFICATIONS.



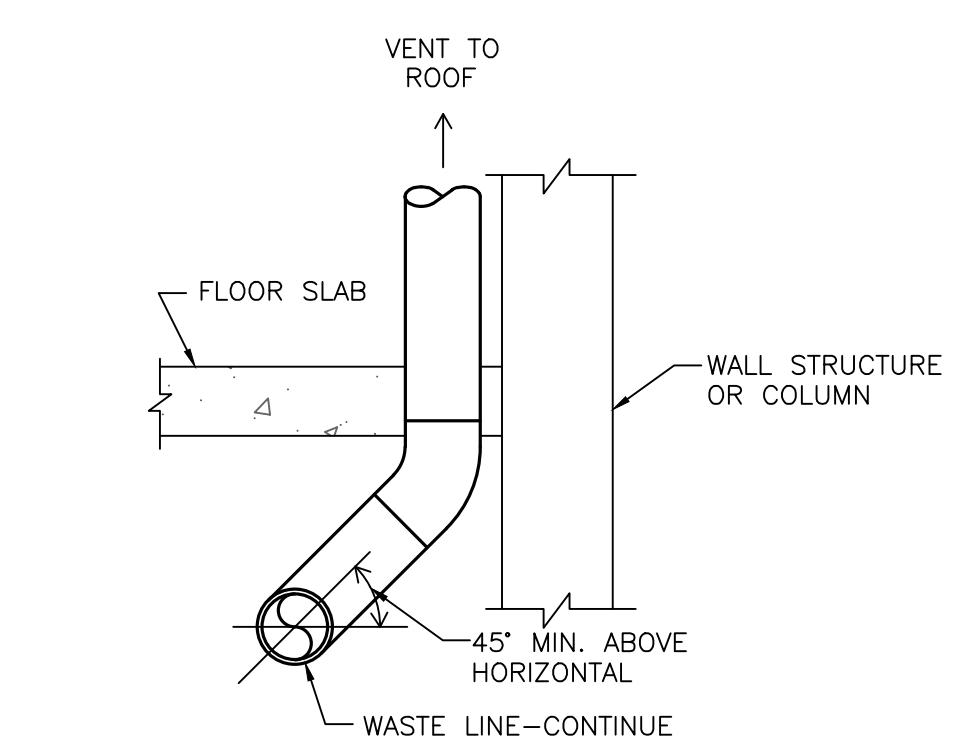
**DET 1 JANITOR SINK DETAIL**  
 SCALE: NOT TO SCALE



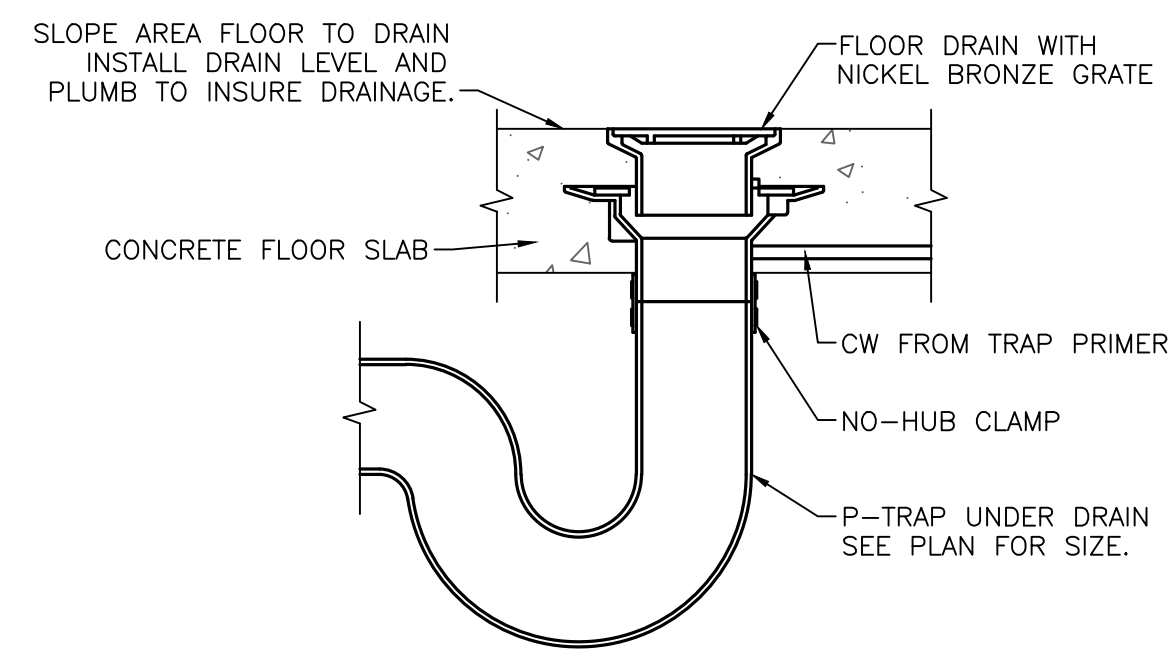
**DET 2 TRAP PRIMER DETAIL**  
 SCALE: NOT TO SCALE



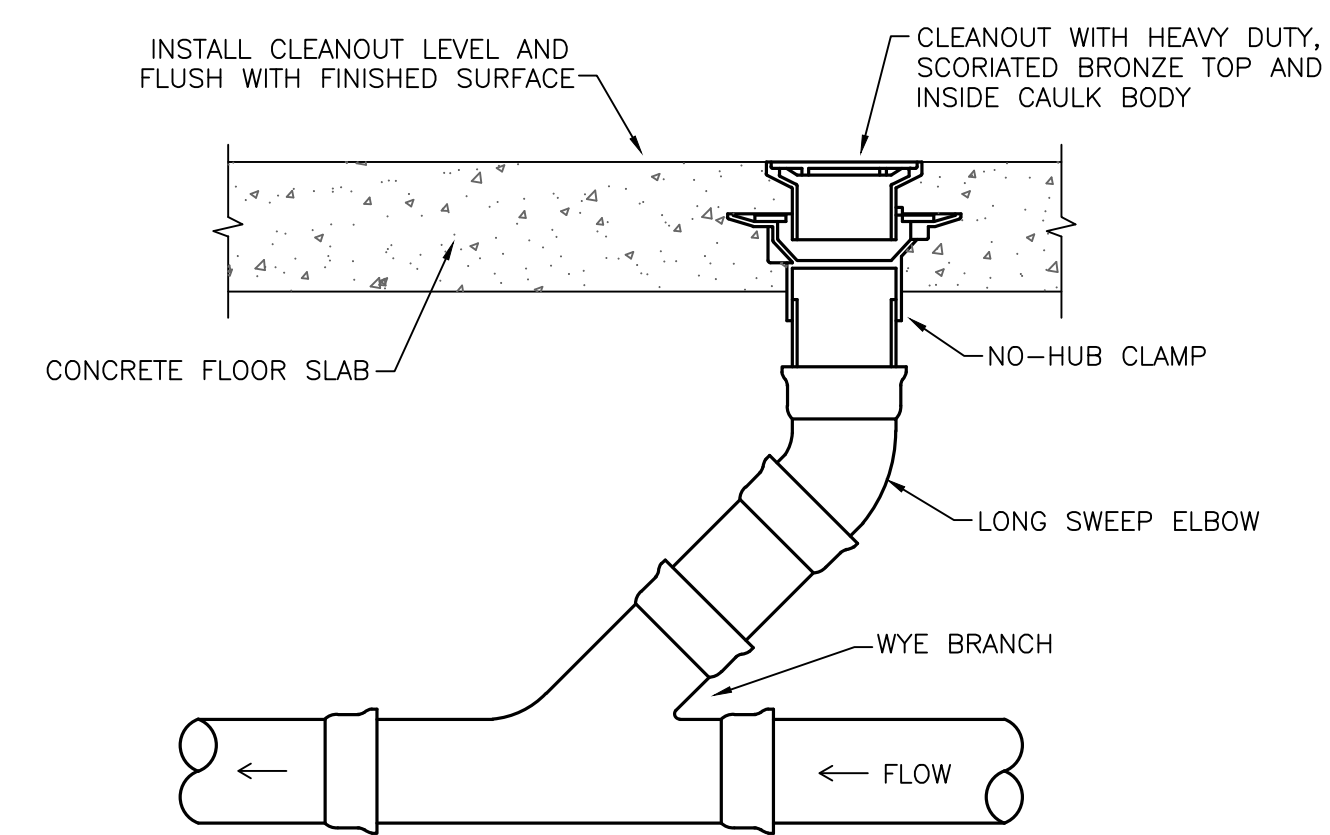
**DET 3 ELECTRIC WATER COOLER**  
 SCALE: NOT TO SCALE



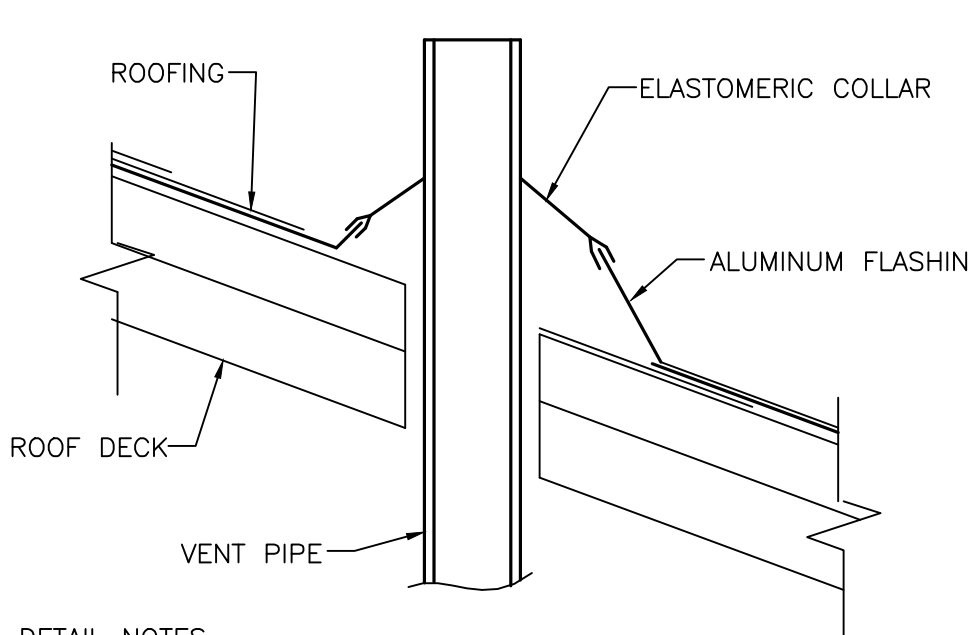
**DET 4 PLUMBING VENT CONNECTION**  
 SCALE: NOT TO SCALE



**DET 5 TYPICAL FLOOR DRAIN**  
 SCALE: NOT TO SCALE

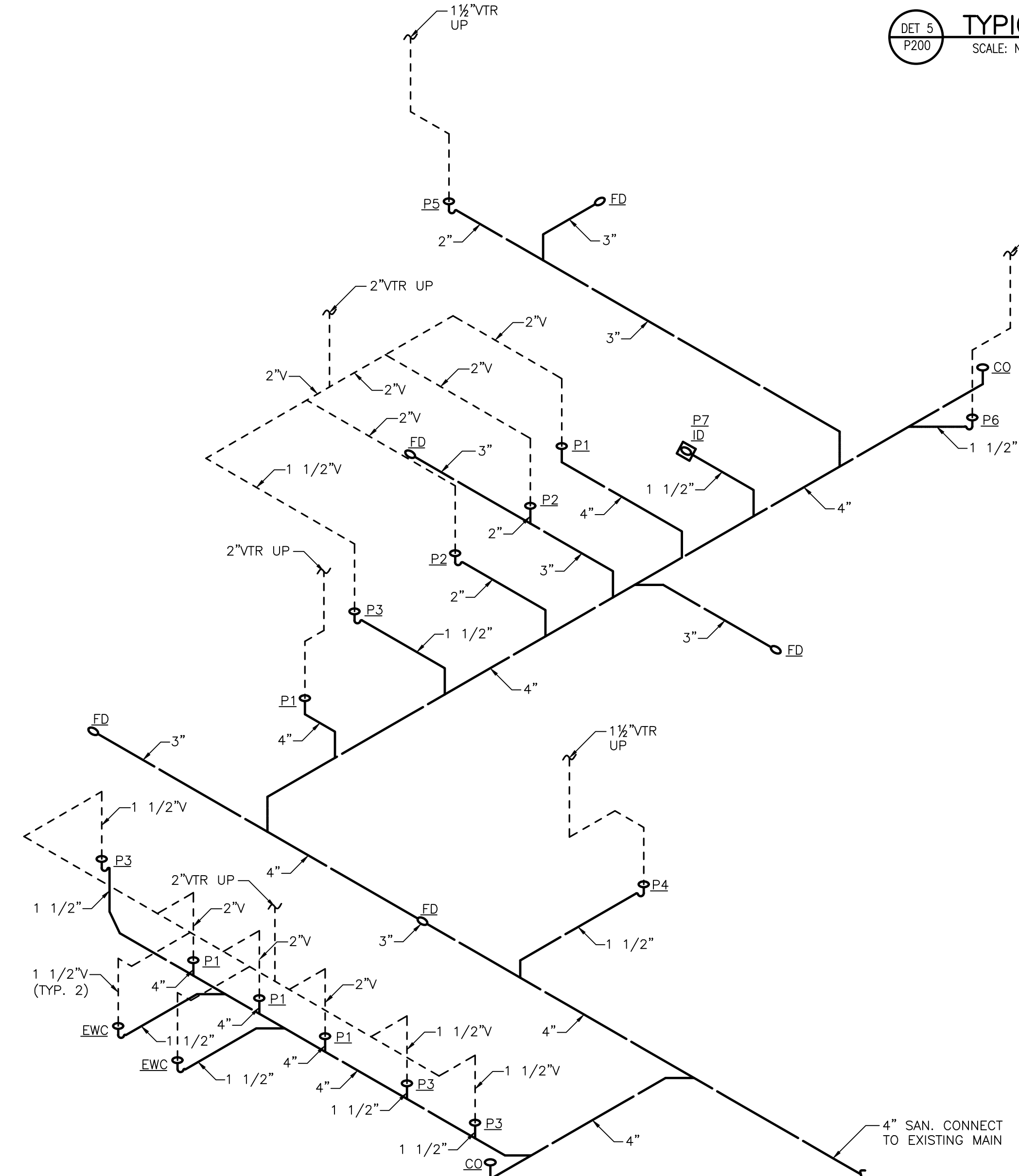


**DET 6 TYPICAL FLOOR CLEANOUT**  
 SCALE: NOT TO SCALE

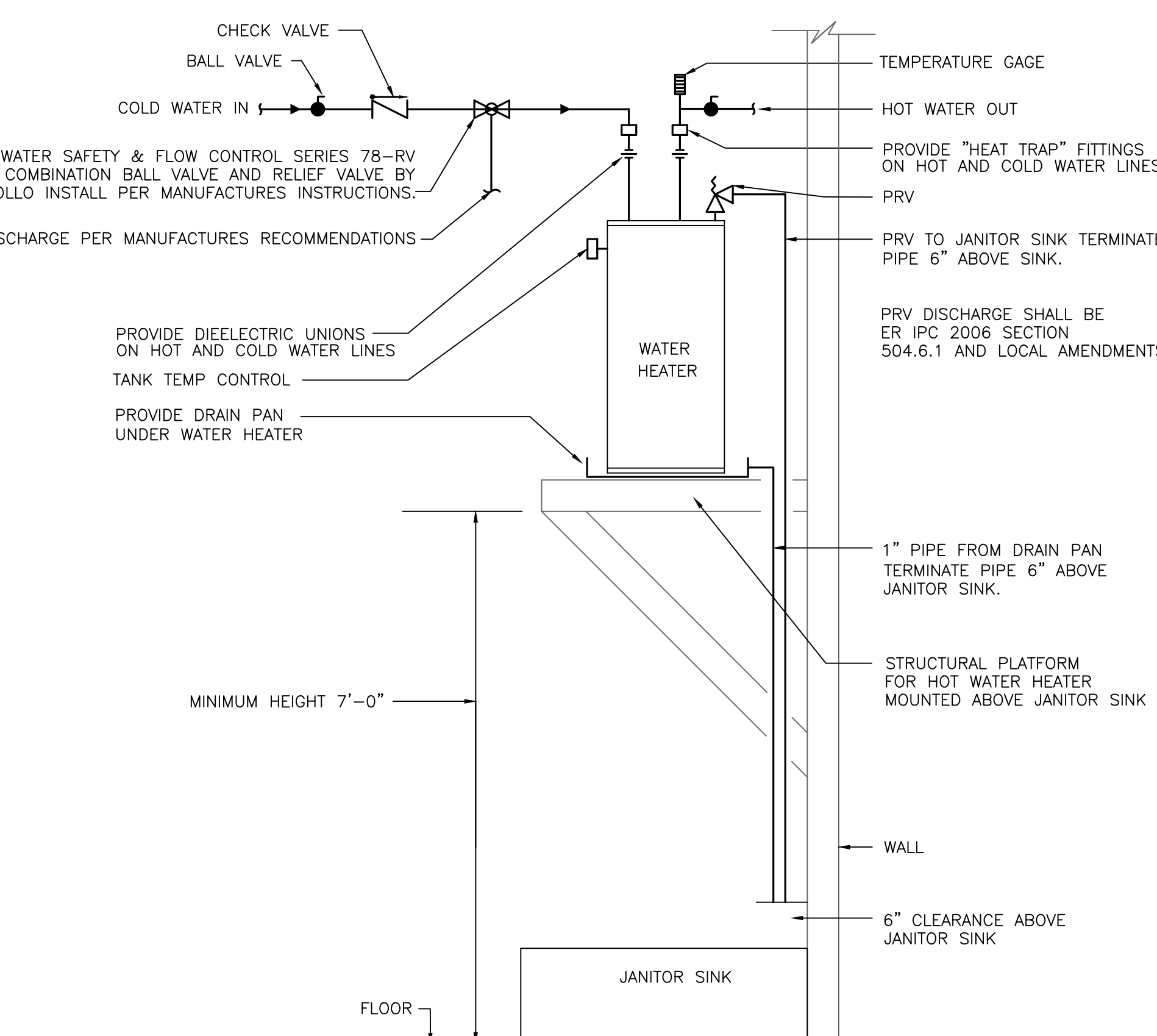


**DETAIL NOTES**  
 1. PIPE MUST BE ANCHORED TO BOTTOM OF ROOF DECK TO ASSURE STABILITY.  
 2. CONTRACTOR SHALL PLACE PIPING BEFORE ROOFING WORK BEGINS.  
 3. ALL ROOF PENETRATIONS TO BE PAINTED TO MATCH ROOF COLOR.

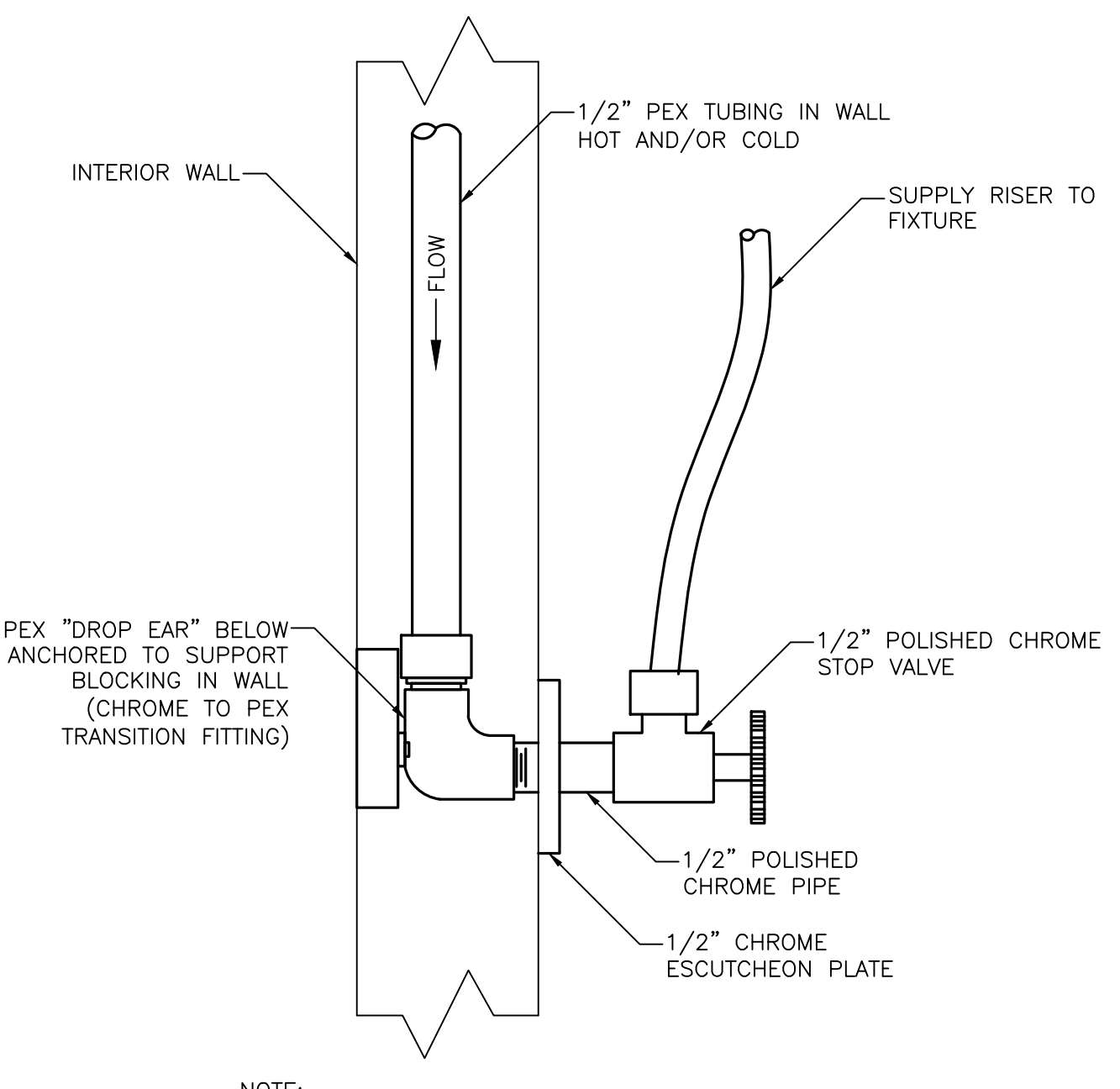
**DET 7 PLUMBING VENT PITCHED ROOF PENETRATION**  
 SCALE: NOT TO SCALE



**DET 10 SANITARY & VENT ISOMETRIC**  
 SCALE: NOT TO SCALE



**DET 8 ELECTRIC HOT WATER HEATER ON SHELF**  
 SCALE: NOT TO SCALE



**DET 9 TYP. PEX TO CHROME PIPING TRANSITION DETAIL**  
 SCALE: NOT TO SCALE

NOTE: COMBINE VENTS WHERE POSSIBLE TO MINIMIZE ROOF CUTS

NOTE: ROUGH-IN SIMILAR FOR SHOWERS AND BATHTUBS

# PEX PIPING – SPECIFICATIONS

## PART 1 GENERAL

### 1.1 SECTION INCLUDES

- A. PEX-A PIPE AND FITTINGS FOR DOMESTIC WATER PIPING.

### 1.2 REFERENCES

- A. ASTM INTERNATIONAL (ASTM):
  1. ASTM D 2765 – TEST METHODS FOR DETERMINATION OF GEL CONTENT AND SWELL RATIO OF CROSSLINKED ETHYLENE PLASTICS.
  2. ASTM D 6394 – SPECIFICATION FOR SULFONE PLASTICS (SP).
  3. ASTM E 84 – STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
  4. ASTM E 119 – STANDARD TEST METHODS FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
  5. ASTM E 814 – STANDARD TEST METHOD FOR FIRE TESTS OF THROUGH-PENETRATION FIRE STOPS.
  6. ASTM F 876 – STANDARD SPECIFICATION FOR CROSSLINKED POLYETHYLENE (PEX) TUBING.
  7. ASTM F 877 – STANDARD SPECIFICATION FOR CROSSLINKED POLYETHYLENE (PEX) PLASTIC HOT- AND COLD-WATER DISTRIBUTION SYSTEMS.
  8. ASTM F 1960 – STANDARD SPECIFICATION FOR COLD EXPANSION FITTINGS WITH PEX REINFORCING RINGS FOR USE WITH CROSSLINKED POLYETHYLENE (PEX) TUBING.
- B. AMERICAN WATER WORKS ASSOCIATION:
  1. AWWA C904 STANDARD FOR CROSSLINKED POLYETHYLENE (PEX) PRESSURE PIPE, 1/2 IN. THROUGH 3 IN., FOR WATER SERVICE.
- C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/NATIONAL SANITATION FOUNDATION (NSF)
  1. ANSI/NSF STANDARD 14 PLASTICS PIPING SYSTEM COMPONENTS AND RELATED MATERIALS.
  2. ANSI/NSF STANDARD 61 DRINKING WATER SYSTEM COMPONENTS – HEALTH EFFECTS.
  3. ANSI/NSF STANDARD 359 VALVES FOR CROSSLINKED POLYETHYLENE (PEX) WATER DISTRIBUTION TUBING SYSTEMS.
- D. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/UNDERWRITERS LABORATORIES, INC. (UL)
  1. ANSI/UL 263 STANDARD FOR SAFETY FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
  2. ANSI/UL 2846 STANDARD FOR FIRE TEST OF PLASTIC WATER DISTRIBUTION PLUMBING PIPE FOR VISIBLE FLAME AND SMOKE CHARACTERISTICS.
- E. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME):
  1. ASME B 16.5 PIPE FLANGES AND FLANGED FITTINGS: NPS 1/2 THROUGH NPS 24 METRIC/INCH STANDARD.
  2. ASME B16.51 COPPER AND COPPER ALLOY PRESS-CONNECT PRESSURE FITTINGS.
  3. CSA B242-05 GROOVE-AND SHOULDER-TYPE MECHANICAL PIPE COUPLINGS.
- F. INTERNATIONAL CODE COUNCIL (ICC)
  1. INTERNATIONAL PLUMBING CODE (IPC)
- G. INTERNATIONAL ASSOCIATION OF PLUMBING OFFICIALS (IAPMO)
  1. UNIFORM PLUMBING CODE (UPC)
- H. NATIONAL ASSOCIATION OF PLUMBING, HEATING AND COOLING CONTRACTORS (NAPHC)
  1. NATIONAL STANDARD PLUMBING CODE (NSPC)
- I. PLASTICS PIPE INSTITUTE (PPI)
  1. PPI TECHNICAL REPORT TR-4/06
- J. UNDERWRITERS LABORATORIES (UL):
  1. UL 2846 STANDARD FOR FIRE TESTS OF PLASTIC WATER DISTRIBUTION PLUMBING PIPE FOR VISIBLE FLAME AND SMOKE CHARACTERISTICS.

### 1.3 SUBMITTALS

- A. PRODUCT DATA: PROVIDE MANUFACTURER'S PRODUCT SUBMITTAL DATA.

### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. ORDERING: COMPLY WITH MANUFACTURER'S ORDERING INSTRUCTIONS AND LEAD-TIME REQUIREMENTS TO AVOID CONSTRUCTION DELAYS.
- B. DELIVERY: DELIVER MATERIALS IN MANUFACTURER'S ORIGINAL, UNOPENED, UNDAMAGED CONTAINERS WITH IDENTIFICATION LABELS INTACT.
- C. STORAGE AND PROTECTION: STORE MATERIALS PROTECTED FROM EXPOSURE TO HARMFUL ENVIRONMENTAL CONDITIONS AND AT TEMPERATURE AND HUMIDITY CONDITIONS RECOMMENDED BY THE MANUFACTURER.
  1. STORE PEX TUBING IN CARTONS OR UNDER COVER TO AVOID DIRT OR FOREIGN MATERIAL FROM ENTERING THE TUBING.
  2. DO NOT EXPOSE PEX TUBING TO DIRECT SUNLIGHT FOR MORE THAN 30 DAYS. IF CONSTRUCTION DELAYS ARE ENCOUNTERED, COVER THE TUBING TO PREVENT EXPOSURE TO DIRECT SUNLIGHT

### 1.5 WARRANTY

- A. PROJECT WARRANTY: REFER TO CONDITIONS OF THE CONTRACT FOR PROJECT WARRANTY PROVISIONS.
- B. MANUFACTURER'S WARRANTY: PEX-A MANUFACTURER SYSTEM WARRANTY SHALL COVER PIPING AND FITTINGS FOR A DURATION OF 25 YEARS FROM THE DATE OF INSTALLATION. PIPING SYSTEM WARRANTY SHALL APPLY TO POTABLE WATER DISTRIBUTION AND WATER SERVICE SYSTEMS CONSTRUCTED OF PIPE AND FITTING PRODUCTS SOURCED FROM THE SAME MANUFACTURER.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. ACCEPTABLE MANUFACTURER: UPONOR OR APPROVED EQUAL

### 2.2 PEX PIPE AND FITTINGS

- A. PEX-A (ENGEL-METHOD CROSSLINKED POLYETHYLENE) PIPING: ASTM F 876 AND F877 (CAN/CSA-B137.5) BY UPONOR.
- B. PEX-A FITTINGS: ELBOWS, ADAPTERS, COUPLINGS, PLUGS, TEES AND MULTI-PORT TEES (1/2 INCH THROUGH 3 INCH NOMINAL PIPE SIZE); ASTM F1960 COLD-EXPANSION FITTING MANUFACTURED FROM THE FOLLOWING MATERIAL TYPES:
  1. UNS NO. C69300 LEAD-FREE (LF) BRASS.
  2. UNS NO. C27453 LEAD-FREE (LF) BRASS.
  3. 20% GLASS-FILLED POLYSULFONE AS SPECIFIED IN ASTM D 6394.
  4. UNREINFORCED POLYSULFONE (GROUP 01, CLASS 1, GRADE 2) AS SPECIFIED IN ASTM D 6394.
  5. POLYPHENYLSULFONE (GROUP 03, CLASS 1, GRADE 2) AS SPECIFIED IN ASTM D 6394.
  6. BLEND OF POLYPHENYLSULFONE (55-80%) AND UNREINFORCED POLYSULFONE (REM.) AS SPECIFIED IN ASTM D 6394.
  7. REINFORCING COLD-EXPANSION RINGS SHALL BE MANUFACTURED FROM THE SAME SOURCE AS PEX-A PIPING MANUFACTURER AND MARKED "F1960".
- C. PRE-SLEEVED PIPING (1/2 INCH (16MM) THROUGH 3/4 INCH (20MM) NOMINAL PIPE SIZE): PEX-A PIPING, WITH A HIGH-DENSITY POLYETHYLENE (HDPE) CORRUGATED SLEEVE.
- D. PRE-INSULATED PIPING (1/2 INCH (16MM) THROUGH 2 INCH (50MM) NOMINAL PIPE SIZE): PEX-A PIPING, WITH A CLOSED-CELL POLYETHYLENE FOAM INSULATION.
- E. MULTI-PORT TEES: MULTIPLE-OUTLET FITTING COMPLYING WITH ASTM F 877 (CAN/CSA B137.5); WITH ASTM F 1960 INLETS AND OUTLETS.
  1. ENGINEERED POLYMER BRANCH MULTI-PORT TEE.
  2. ENGINEERED POLYMER FLOW-THROUGH MULTI-PORT TEE.
  3. ENGINEERED POLYMER COMMERCIAL BRANCH MULTI-PORT TEE.
  4. ENGINEERED POLYMER COMMERCIAL BRANCH MULTI-PORT ELBOW.
  5. ENGINEERED POLYMER COMMERCIAL FLOW-THROUGH MULTI-PORT TEE.

- F. MANIFOLDS: MULTIPLE-OUTLET ASSEMBLY COMPLYING WITH ASTM F 877 (CAN/CSA B137.5); WITH ASTM F 1960 OUTLETS.
  1. ENGINEERED POLYMER VALVED MANIFOLD.
  2. ENGINEERED POLYMER VALVELESS MANIFOLD.
  3. LEAD – FREE COPPER BRANCH MANIFOLD.
  4. LEAD-FREE COPPER VALVED MANIFOLD.

### 2.3 TRANSITION FITTINGS

- A. PEX-TO-METAL TRANSITION FITTINGS:
  1. MANUFACTURERS: PROVIDE FITTINGS FROM THE SAME MANUFACTURER OF THE PIPING.
  2. PEX-A TO THREAD TRANSITION: ONE-PIECE BRASS FITTING WITH MALE OR FEMALE THREADED ADAPTER AND ASTM F 1960 COLD-EXPANSION END, WITH PEX-A REINFORCING COLD-EXPANSION RING.
  3. PEX-A TO COPPER SWEAT TRANSITION: ONE-PIECE BRASS FITTING WITH SWEAT ADAPTER AND ASTM F 1960 COLD-EXPANSION END, WITH PEX-A REINFORCING COLD-EXPANSION RING.
  4. PEX-A TO COPPER PRESS TRANSITION: ONE-PIECE LEAD FREE (LF) BRASS FITTING WITH ONE ASME B16.51 COPPER PRESS END AND ONE ASTM F1960 COLD-EXPANSION END, WITH PEX-A REINFORCING COLD-EXPANSION RING.
  5. PEX-A TO FLANGE TRANSITION: TWO-PIECE FITTING WITH ONE STEEL FLANGE CONFORMING TO ASME B 16.5 AND ONE LEAD FREE (LF) BRASS ADAPTER CONFORMING TO ASTM F 1960.
  6. PEX-A TO GROOVE TRANSITION: ONE-PIECE LEAD FREE (LF) BRASS FITTING WITH ONE CSA B242-05 GROOVE END IN EITHER IRON PIPE SIZE (IPS) OR COPPER TUBE SIZE (CTS) AND ONE ASTM F1960 COLD-EXPANSION END, WITH PEX-A REINFORCING COLD-EXPANSION RING.
  7. PEX-A TO WATER METER TRANSITION: TWO-PIECE FITTING WITH ONE NPSM UNION THREAD AND ONE ASTM F 1960 COLD-EXPANSION END, WITH PEX-A REINFORCING COLD-EXPANSION RING.
- B. PEX-TO-THERMOPLASTIC TRANSITION FITTINGS:
  1. PEX-A TO CPVC TRANSITION: THERMOPLASTIC FITTING WITH ONE SPIGOT OR SOCKET END AND ONE ASTM F 1960 COLD-EXPANSION END, WITH PEX-A REINFORCING COLD-EXPANSION RING.

### 2.4 VALVES

- A. PEX-TO-PEX, LEAD FREE (LF) BRASS BALL VALVES (1/2 INCH (16 MM) THROUGH 2 INCH (50 MM) NOMINAL PIPE SIZE)
  1. MANUFACTURERS: PROVIDE BALL VALVE(S) FROM THE SAME MANUFACTURER AS THE PIPING SYSTEM.
  2. FULL-PORT BALL VALVE: TWO-PIECE, ASTM F1960 COLD-EXPANSION ENDS, WITH PEX-A REINFORCING COLD-EXPANSION RING.
  3. LF BRASS VALVE WITH A POSITIVE STOP SHOULDER MANUFACTURED FROM C69300 BRASS.
  4. IN COMPLIANCE WITH: 250 CWP, ANSI/NSF 359, ANSI/NSF 14/61, CNSF-US-PW\_G LEAD FREE 0.25% LEAD MAX., ASTM F1960, ASTM F 877 (CAN/CSA B137.5).

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. SITE VERIFICATION OF CONDITIONS: VERIFY THAT SITE CONDITIONS ARE ACCEPTABLE FOR INSTALLATION OF THE DOMESTIC WATER PIPING. DO NOT PROCEED WITH INSTALLATION UNTIL UNACCEPTABLE CONDITIONS ARE CORRECTED.

### 3.2 INSTALLATION

- A. INSTALL PLUMBING SYSTEM ACCORDING TO APPROVED SHOP DRAWINGS AND COORDINATION DRAWINGS.
- B. COMPLY WITH MANUFACTURER'S PRODUCT DATA, INCLUDING PRODUCT TECHNICAL BULLETINS, INSTALLATION INSTRUCTIONS AND DESIGN DRAWINGS, INCLUDING THE FOLLOWING.
- C. PIPING INSTALLATION:
  1. INSTALL PIPING SYSTEM IN COMPLIANCE WITH THE UPONOR PIPING POCKET GUIDE (2017).
  2. PEX SHALL NOT BE INSTALLED IN AREAS WITHIN FIVE FEET OF UV LIGHT.
- D. HANGERS AND SUPPORTS:
  1. HORIZONTAL PEX-A PIPING HANGERS: INSTALL CTS HANGERS SUITABLE FOR PEX-A PIPING IN COMPLIANCE WITH THE UPONOR PIPING POCKET GUIDE (2017) AND LOCAL CODES, WITH THE FOLLOWING MAXIMUM SPACING:
    - A. NATIONAL PLUMBING CODE OF CANADA (NPCC): 3 INCH (75MM) AND BELOW: MAXIMUM SPAN, 32 INCHES (0.81 M).
    - B. INTERNATIONAL PLUMBING CODE (IPC) & UNIFORM PLUMBING CODE (UPC): 1 INCH (25 MM) AND BELOW: MAXIMUM SPAN, 32 INCHES (0.81 M).
    - C. IPC & UPC: 1-1/4 INCH (31 MM) AND ABOVE: MAXIMUM SPAN, 48 INCHES (1.2 M).
    - D. NOTE: THE ABOVE MAXIMUM HANGER SPACING REQUIREMENTS MAY BE EXTENDED WITH THE USE OF A CONTINUOUS SUPPORT CHANNEL SUCH AS UPONOR PEX-A PIPE SUPPORT.
  2. HORIZONTAL PEX-A PIPING WITH PEX-A PIPE CHANNEL: INSTALL HANGERS FOR PEX-A PIPING WITH HORIZONTAL SUPPORT CHANNEL IN ACCORDANCE WITH LOCAL JURISDICTION AND MANUFACTURER'S RECOMMENDATIONS, WITH THE FOLLOWING MAXIMUM SPACING:
    - A. 3/4 INCH (20 MM) AND BELOW: MAXIMUM SPAN, 6 FEET (1.8 M).
    - B. 1 INCH (25 MM) AND ABOVE: MAXIMUM SPAN, 8 FEET (2.4 M).
  3. VERTICAL PEX-A PIPING: SUPPORT PEX-A PIPING WITH MAXIMUM SPACING OF 5 FEET (1.5 M).
  4. PEX-A RISER SUPPORTS: INSTALL CTS RISER CLAMPS AT THE BASE OF EACH FLOOR AND AT THE TOP OF EVERY OTHER FLOOR FOR DOMESTIC HOT-WATER SYSTEMS. INSTALL MID-STORY GUIDES BETWEEN EACH FLOOR. INSTALL CTS RISER CLAMPS AT THE BASE OF EACH FLOOR AND AT THE TOP OF EVERY FOURTH FLOOR FOR DOMESTIC COLD-WATER SYSTEMS. INSTALL MID-STORY GUIDES.

### E. PIPING SCHEDULE:

- 1. UNDERGROUND / UNDER-BUILDING SLAB, DOMESTIC WATER PIPING (3 INCH AND BELOW) SHALL BE THE FOLLOWING:
  - A. 1/2 INCH (16 MM) THROUGH 3 INCH (75 MM) – PEX-A PIPING WITH ENGINEERED POLYMER (EP) OR LEAD-FREE BRASS F1960 COLD-EXPANSION FITTINGS. INSULATE IN COMPLIANCE WITH SECTION – 9 "PLUMBING PIPING INSULATION." USE THE FEWEST POSSIBLE JOINTS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  - B. 1/2 INCH (16 MM) THROUGH 2 INCH (50 MM) – PRE-INSULATED PEX-A PIPING WITH PEX-FOAM INSULATION WITH ENGINEERED POLYMER (EP) OR LEAD-FREE BRASS ASTM F 1960 COLD-EXPANSION FITTINGS. USE THE FEWEST POSSIBLE JOINTS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  - C. 3/4 INCH (20 MM) THROUGH 2 INCH (50 MM) – PRE-INSULATED PEX-A PIPING WITH MULTI-LAYER, CLOSED-CLOSED CELL PEX-FOAM INSULATION AND A CORRUGATED HDPE JACKET WITH ENGINEERED POLYMER (EP) OR LEAD-FREE BRASS ASTM F 1960 COLD-EXPANSION FITTINGS. USE THE FEWEST POSSIBLE JOINTS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 2. IN-SLAB, DOMESTIC WATER PIPING (3 INCH (75MM) AND BELOW) SHALL BE THE FOLLOWING: BARE PEX-A PIPING, PRE-SLEEVED PEX-A PIPING, OR PRE-INSULATED PEX-A PIPING WITH ENGINEERED POLYMER (EP) OR LEAD-FREE BRASS F1960 COLD-EXPANSION FITTINGS. USE THE FEWEST POSSIBLE JOINTS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 3. ABOVEGROUND DOMESTIC WATER PIPING (3 INCH (75MM) AND BELOW) SHALL BE THE FOLLOWING: PEX-A PIPING, WITH ENGINEERED POLYMER (EP) OR LEAD-FREE BRASS F1960 COLD-EXPANSION FITTINGS.

- F. PIPE JOINT CONSTRUCTION: PEX-A CONNECTIONS: INSTALL PER MANUFACTURER'S RECOMMENDATIONS. USE MANUFACTURER-RECOMMENDED COLD-EXPANSION TOOL FOR ASTM F 1960 CONNECTIONS.

- G. FIELD QUALITY CONTROL: DO NOT EXPOSE PEX PIPING TO DIRECT SUNLIGHT FOR MORE THAN 30 DAYS. IF CONSTRUCTION DELAYS ARE ENCOUNTERED, PROVIDE COVER TO PORTIONS OF PIPING EXPOSED TO DIRECT SUNLIGHT.

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WAVERLY PARK  
WACCAMAW ELEMENTARY SCHOOL  
1364 WAVERLY RD.  
PAWLEY'S ISLAND, SC 29585

PROJECT NUMBER:  
19-004-04  
ISSUE DATE:  
02/09/2022  
DRAWN BY: BES  
CHECKED BY: BES  
**BID SET**  
**REVISION**

#	Description	Date

**PEX PIPING**  
**SPECIFICATIONS**  
**P300**



**WAVERLY PARK**  
**WACCAMAW ELEMENTARY SCHOOL**  
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**BID SET REVISION**

Revision Schedule		
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**MECHANICAL PLAN, NOTES, LEGEND & SCHEDULES**

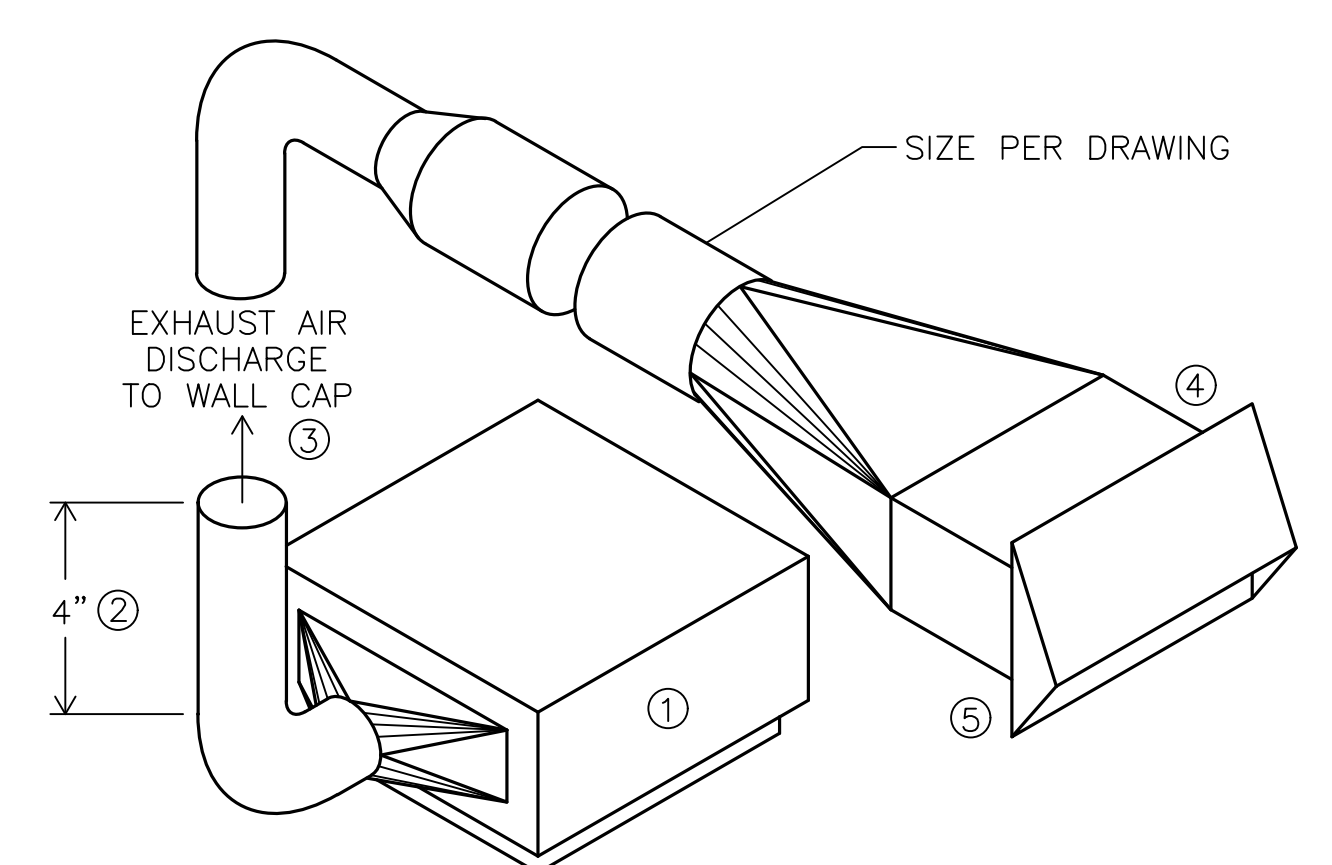
**M100**

**GENERAL HVAC NOTES**

- THE HVAC CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE THE SITE WITH RESPECT TO ALL EXISTING CONDITIONS AND TO HAVE FULLY EXAMINED THE DRAWINGS FOR THIS BUILDING WITH RESPECT TO HIS SCOPE OF WORK.
- VISIT SITE AND BECOME FAMILIAR WITH ALL CONDITIONS. NO EXTRA PAYMENT WILL BE ALLOWED FOR WORK RESULTING FROM LACK OF PROPER APPRAISAL OF EXISTING CONDITIONS. THIS CONTRACTOR SHALL EXAMINE ALL OTHER SPECIFICATIONS, DRAWINGS, AND ALL FEATURES OF BUILDING CONSTRUCTION WHICH MAY AFFECT HIS WORK AND SHALL BE GOVERNED BY THESE OTHER SPECIFICATIONS, INSTRUCTIONS TO ALL BIDDERS AND SUPPLIERS.
- THESE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC IN NATURE. ADDITIONAL OFFSETS, BENDS, TRANSITIONS, ETC. MAY BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE SYSTEM. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO THE FABRICATION AND/OR INSTALLATION OF MATERIALS. NO ABRUPT TRANSITIONS ARE PERMITTED.
- THE MECHANICAL DESIGN INDICATED ON PLANS IS INTENDED TO BE A COMPLETE AND WORKABLE SYSTEM IN ACCORDANCE W/ALL APPLICABLE CODES. ALL MISCELLANEOUS PARTS REQUIRED, WHETHER INDICATED ON PLANS OR NOT, SHALL BE INCLUDED AS PART OF THIS DRAWING.
- CONTRACTOR SHALL COORDINATE LOCATION OF ALL HVAC WORK IN FIELD WITH REFERENCE TO STRUCTURAL ELEMENTS. DUCT LOCATIONS MAY VARY SLIGHTLY. ALL DIFFUSERS SHALL BE COORDINATED WITH LIGHTING AND OTHER CEILING MOUNTED ITEMS.
- MATERIALS & WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES IN THEIR LATEST REVISION.
- CONTRACTOR TO COORDINATE SPECIFIC REQUIREMENTS OF EQUIPMENT WITH MANUFACTURER'S SHOP DRAWINGS AND INSTALLATION INSTRUCTIONS.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND COORDINATING ALL MECHANICAL EQUIPMENT VOLTAGES AND OTHER ELECTRICAL REQUIREMENTS PRIOR TO RELEASING THE EQUIPMENT FROM THE MANUFACTURER.
- MECHANICAL CONTRACTOR SHALL FURNISH THE GENERAL CONTRACTOR EXACT DIMENSIONS OF OPENINGS REQUIRED FOR DUCTS, SLEEVES, ETC..
- ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- CONTRACTOR TO PROVIDE ONE SET OF FILTERS IN ADDITION TO THOSE IN UNITS.
- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR INSTALLATION OF HIS WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO THE PURCHASE, FABRICATION, OR INSTALLATION OF NEW MATERIALS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BALANCE ALL SUPPLY AND RETURN AIR DUCTWORK AS TO ALLEVIATE AIR DELIVERY NOISE WHEREVER POSSIBLE AND TO COORDINATE ALL MATERIAL AND INSTALLATION METHODS WITH UNIT MANUFACTURER'S SPECS.
- RETURN TRIP BY THE MC FOR ANY NEEDED AIR RE-BALANCING TO BE COMPLETED WITHIN THE FIRST SIX MONTHS AFTER INITIAL INSTALLATION OF EQUIPMENT, OR UPON REQUEST BY OWNER OR ARCHITECT.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER PRIOR TO FABRICATION.
- ALL DUCTWORK CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- LOCATE ALL THERMOSTATS AND SWITCHES 4'-0" ABOVE FINISHED FLOOR.
- ALL FLEXIBLE DUCTWORK SHALL BE A MAXIMUM OF 4'-0" IN LENGTH AND SHALL BE STRETCHED TAUT.
- ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
- IN GENERAL, DUCT UPSETS AND DOWNSETS HAVE NOT BEEN SHOWN. CONTRACTOR TO COORDINATE THESE AS REQUIRED.
- AIR INTAKE OPENINGS SHALL BE MINIMUM OF 10'-0" AWAY FROM ALL EXHAUST AND VENT OPENINGS.
- SUPPLY AND RETURN AIR DUCTS FOR CONDITIONED AIR LOCATED IN UNCONDITIONED SPACES (SPACES NEITHER HEATED OR COOLED) MUST BE INSULATED WITH A MINIMUM OF R-6. UNCONDITIONED SPACES INCLUDE ATTICS, CRAWL SPACES AND UNHEATED BASEMENTS.
- WHEN DUCTS ARE LOCATED IN EXTERIOR COMPONENTS, (E.G., FLOORS OR ROOFS), MINIMUM R-5 INSULATION IS REQUIRED ONLY BETWEEN THE DUCT AND THE BUILDING EXTERIOR.
- ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK MUST BE SECURELY SEALED USING WELDMENTS, MECHANICAL FASTENERS WITH SEALS OR GASKETS OR MASTICS, MESH AND MASTIC SEALING SYSTEMS OR TAPES. TAPES AND MASTICS MUST BE LISTED AND LABELED IN ACCORDANCE WITH UL-181A OR UL-181B.
- DUCTS MUST BE CONNECTED TO FANS AND OTHER AIR DISTRIBUTION EQUIPMENT INCLUDING MULTI-ZONE TERMINAL UNITS USING MECHANICAL FASTENERS WITH SEALS, MASTICS OR GASKETS.
- ALL DIFFUSER NECKS SHALL BE INSULATED EXTERNALLY WITH 2" DUCT WRAP.
- PROVIDE TRAPS FOR ALL CONDENSATE DRAIN LINES.
- CLEANING SYSTEMS: KEEP DUCTS FREE FROM FOREIGN MATTER AFTER INSTALLING THE SYSTEM.
- OPERATION AND MAINTENANCE DOCUMENTATION SHALL BE PROVIDED TO THE OWNER THAT INCLUDES AT LEAST THE FOLLOWING INFORMATION:
  - EQUIPMENT INPUT AND OUTPUT CAPACITY AND REQUIRED MAINTENANCE ACTIONS.
  - EQUIPMENT OPERATIONS AND MAINTENANCE MANUALS.
- MATERIALS OTHER THAN THOSE SPECIFIED OR PRE-APPROVED AS LISTED ON THE DRAWINGS AND SPECIFICATIONS, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW NOT LESS THAN TEN WORKING DAYS PRIOR TO THE PROJECT BID DATE. SUBMITTALS MUST INCLUDE COMPLETE CATALOG NUMBERS AND SPECIFICATION SHEETS AND BE IN EITHER PDF FORMAT (PREFERRED) OR HARD COPY. FACSIMILES ARE NOT ACCEPTABLE.

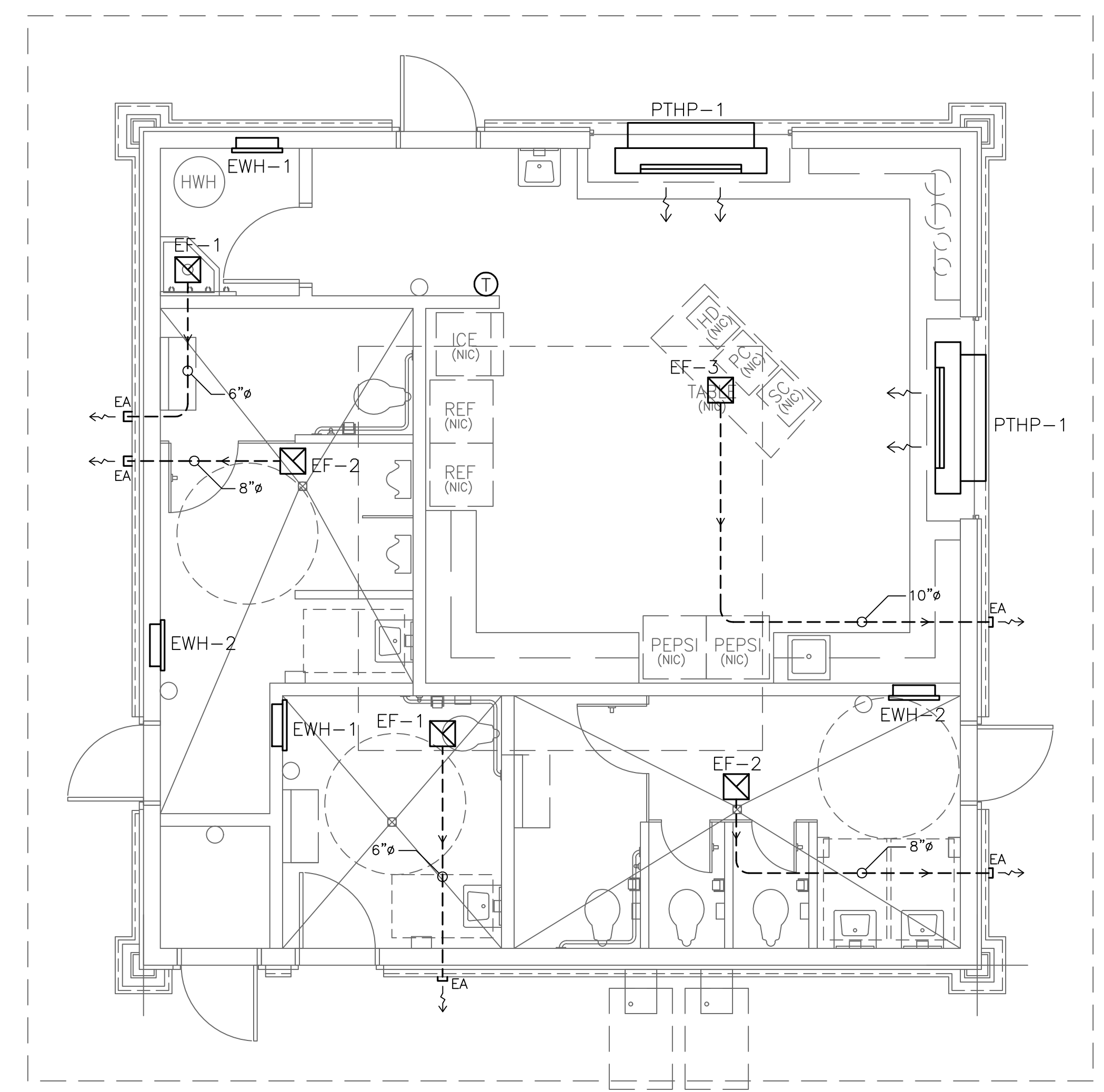
**HVAC LEGEND**

- PTHP  
PACKAGED TERMINAL HEAT PUMP  
SEE SCHEDULE  
FOR MORE INFORMATION
- EWH  
ELECTRIC WALL HEATER  
SEE SCHEDULE  
FOR MORE INFORMATION
- T  
THERMOSTAT - SEE PTHP SCHEDULE
- WMI  
WALL MOUNTED INTAKE  
OR EXHAUST SUPPLIED BY  
GC TO MATCH DUCT
- EF  
EXHAUST WITH DUCT BY MC  
WIRING BY EC - SEE EXHAUST FAN SCHEDULE  
FOR TYPE AND MODEL NUMBERS.
- RETURN/EXHAUST DUCT
- SUPPLY DUCT
- DUCT AIR FLOW DIRECTION
- DIRECTION OF AIR FLOW
- EA  
EXHAUST AIR
- RA  
RETURN AIR



- DETAIL NOTES**
- CEILING EXHAUST FAN WITH DISCHARGE DAMPER.
  - INSTALL TRANSITION ELBOW AND EXTEND DUCT UP TO 4" ABOVE LEVEL OF INSULATION IN CEILING. MOUNT SECURELY.
  - DISCHARGE FROM TOILET EXHAUST FANS.
  - TRANSITION TO WALL CAP OUTSIDE.
  - MOUNT SECURELY, CAULK WATERTIGHT.

**DETAIL 1 M1005 BATHROOM EXHAUST FAN AND DUCT**  
 SCALE: NOT TO SCALE



**PLAN A M100 MECHANICAL PLAN**  
 SCALE: 1/4" = 1' - 0"

**PACKAGED TERMINAL HEAT PUMP SCHEDULE**

TAG	AREA SERVED	MANUF.	MODEL NO.	MOUNTED	CFM/OA	COOLING CAPACITY	REVERSE CYCLE HEAT	ELECTRIC HEAT KW	ELECTRICAL DATA			WEIGHT LBS.	REMARKS
									VOLTAGE/Ø	EER	MCA		
PTHP-1	CONCESSION	FRIEDRICH	PDH12K	HORIZONTAL	280-350/75	11.8 MBH	10.5 MBH	9.9	208/1	10.5	27.0	118	SEE NOTES 1, 2, 3 & 4

- NOTES:**
- PROVIDE WITH PXAA CLEAR EXTRUDED ALUMINUM GRILL.
  - PROVIDE WITH WALL MOUNTED DIGITAL REMOTE THERMOSTAT RT6, CONTROLLING BOTH UNITS AS STAGE ONE AND STAGE 2, PROVIDE OCCUPANCY SENSOR OVERRIDE.
  - PROVIDE WITH WALL SLEEVE PDXWS
  - PROVIDE COMPLETELY CONCEALED CONDENSATE DRAIN LINES.

**ELECTRIC WALL HEATER SCHEDULE**

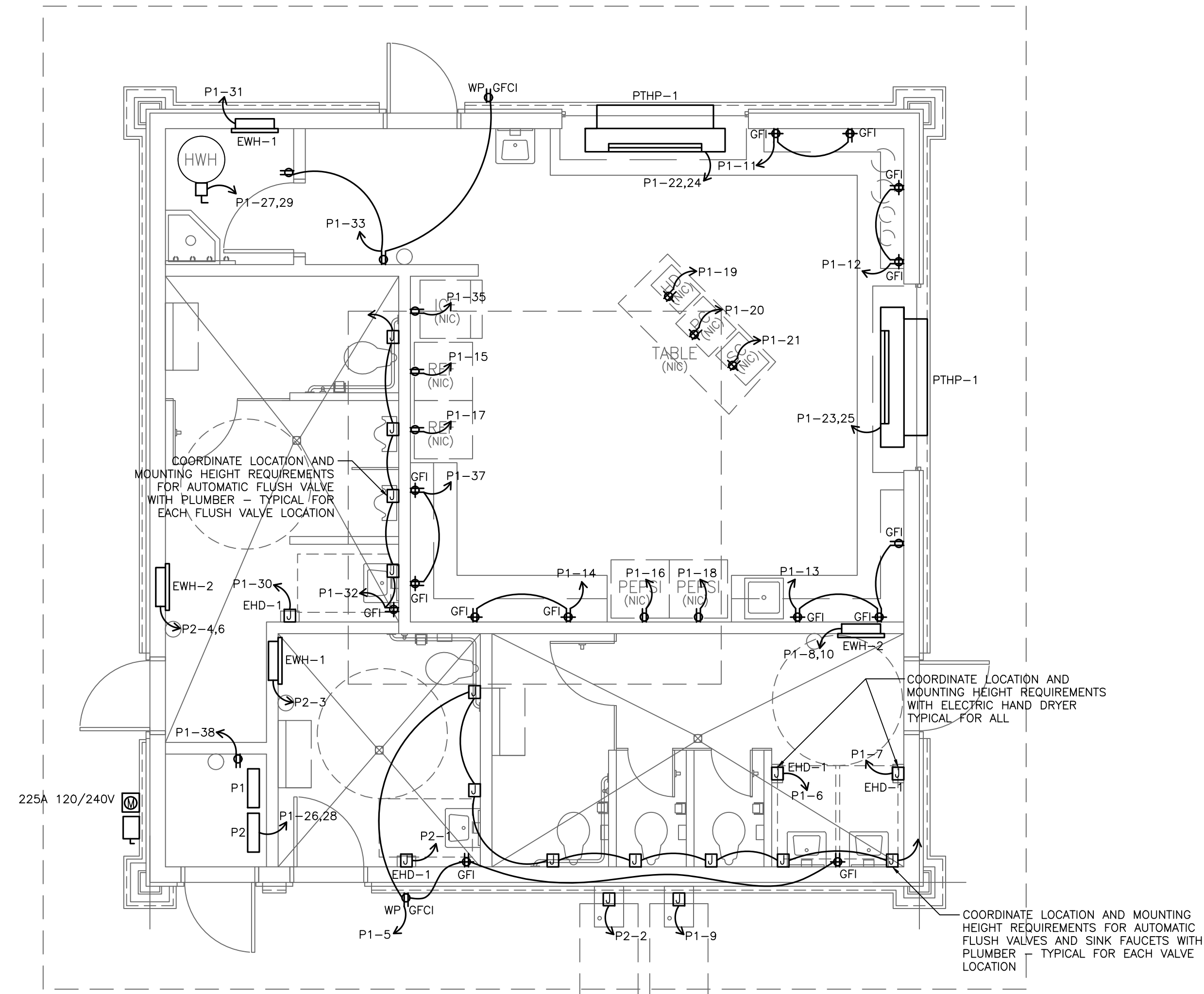
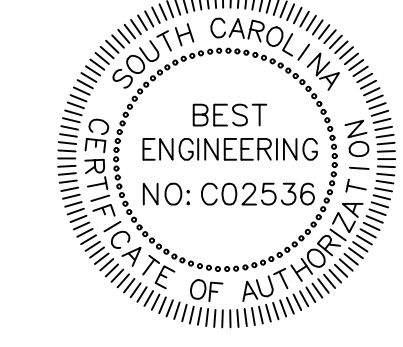
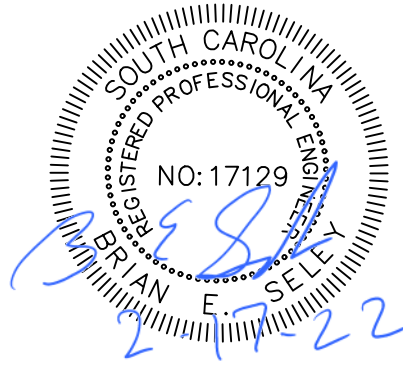
TAG	AREA SERVED	MANUF.	MODEL	WATTS	BTUH	CFM	ELECTRICAL DATA			REMARKS
							VOLTAGE	PHASE	AMPS	
EWH-1	JAN. CL. & SMALL BATH	MARKEL	3000 SERIES	750	2560	100	208	1	7	SEE NOTES 1 & 2
EWH-2	TOILET ROOMS	MARKEL	3320 SERIES	2250	7763	175	208	1	12	SEE NOTES 1 & 2

- NOTES:**
- PROVIDED WITH TAMPERPROOF INTEGRAL THERMOSTAT.
  - POWER COATED FINISH.

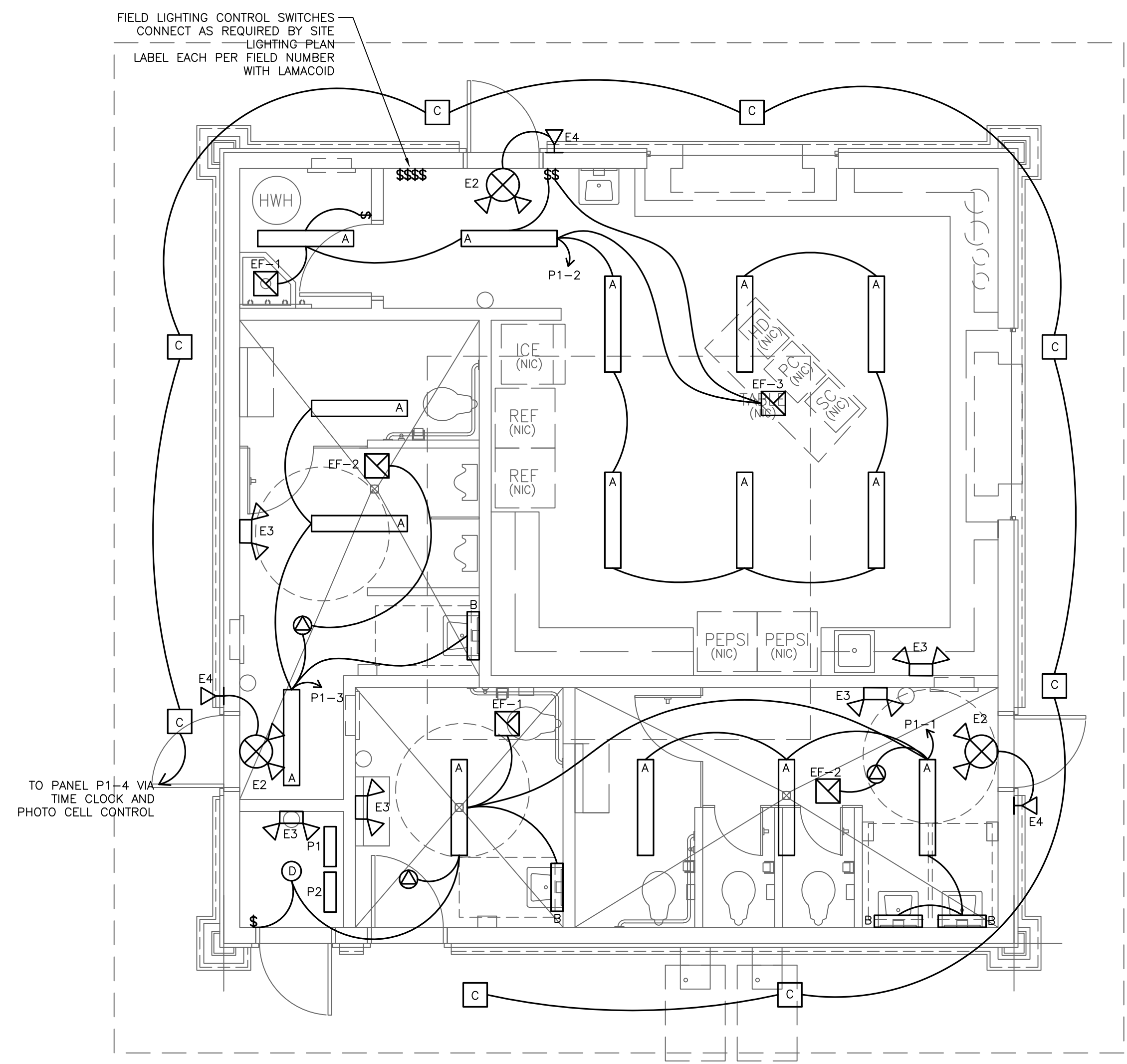
**EXHAUST FAN SCHEDULE**

TAG	AREA SERVED	MANUF.	MODEL	FAN/MOTOR DATA							DUCT CONNECTION	REMARKS	
				CFM	EST. SP	RPM	SONES	DRIVE	HP	VOLTS	Ø		
EF-1	JAN. CL. & SMALL BATH	ACME	VQ100	100	.125	640	.9	DIRECT	--	120	1	6"Ø	SEE NOTE 1
EF-2	TOILET ROOMS	ACME	VQ100	210	.125	830	2.2	DIRECT	--	120	1	8"Ø	SEE NOTE 1
EF-3	CONCESSION	ACME	VQ300	300	.125	905	2.9	DIRECT	--	120	1	10"Ø	SEE NOTE 1

- NOTES:**
- INSTALL WITH OCCUPANCY SENSOR AND TIME DELAY SWITCH.



**PLAN A ELECTRICAL PLAN**  
 E100 SCALE: 1/4" = 1' - 0"



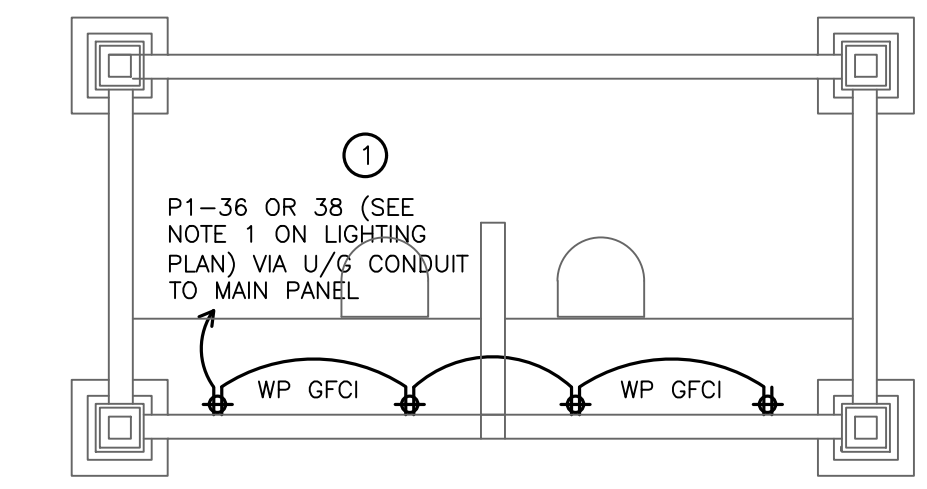
**PLAN B LIGHTING PLAN**  
 E100 SCALE: 1/4" = 1' - 0"

**PLAN NOTES**

1. VERIFY FINAL LOCATIONS AND MOUNTING DEPTH OF ALL BOXES WITH OWNER, FURNITURE SUPPLIER, GENERAL CONTRACTOR AND ARCHITECT BEFORE ROUGH IN.

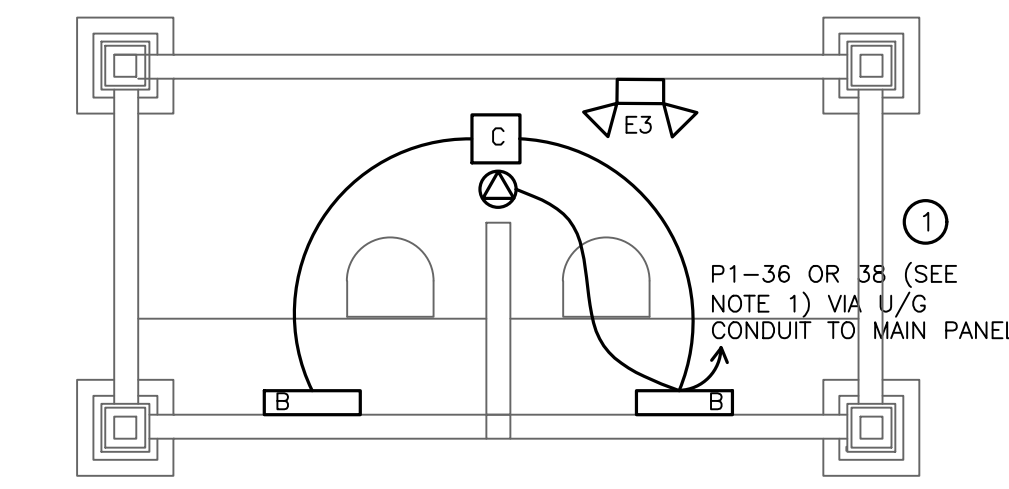
**ELECTRICAL LEGEND**

	DUPLEX RECEPTACLE COMMERCIAL GRADE 15A		SINGLE POLE WALL SWITCH COMMERCIAL GRADE 15A
	GFI DUPLEX RECEPTACLE, COMMERCIAL GRADE 15A GFI OR WATERPROOF AS REQUIRED		THREE-WAY WALL SWITCH COMMERCIAL GRADE 15A
	COUNTER HEIGHT DUPLEX RECEPTACLE 44" AFF - SEE ABOVE FOR TYPE AND MODEL # GFI OR WP AS NOTED		OCCUPANCY SENSOR WALL SWITCH COMMERCIAL GRADE 15A WATTSTOPPER DW-100
	HOME RUN TO PANEL 2 #12 W/ GND, U.N.O. OR AS REQUIRED BY LOAD		OCCUPANCY SENSOR CEILING MOUNTED WATTSTOPPER DT-300
	BRANCH CIRCUIT WIRING 2 #12 IN 1/2" C. OR AS REQUIRED BY LOAD		LIGHT FIXTURES - LETTER INDICATES TYPE - SEE SCHEDULE FOR MORE INFO
	JUNCTION BOX		EMERGENCY LIGHT PER LIGHT SCHEDULE
	ELECTRICAL PANEL		EXIT LIGHT - COLOR SECTION INDICATES FACE SEE SCHEDULE FOR MORE INFORMATION
	EXHAUST FAN AND DUCT BY MC WIRING BY EC		REMOTE HEAD EMERGENCY LIGHT
	DISCONNECT SWITCH SIZE PER EQUIPMENT REQUIREMENT		EHD ELECTRIC HAND DRYER
			EWH ELECTRIC WALL HEATER



NOTE:  
 PROVIDE COMMUNICATION AND DATA AS REQUIRED FOR SCOREBOARD AND ANNOUNCEMENT EQUIPMENT. VERIFY REQUIREMENTS W/OWNER. PROVIDE 2" CONDUIT UNDERGROUND TO MECH ROOM IN CONCESSION BUILDING FOR SINGLE USE.

**PLAN C SCORE TOWERS ELECTRICAL PLAN**  
 E100 SCALE: 1/4" = 1' - 0"



NOTE:  
 CONTROL LIGHTING WITH CEILING OCCUPANCY SENSOR WITH DAY LIGHT OVERRIDE.

**PLAN D SCORE TOWERS LIGHTING PLAN**  
 E100 SCALE: 1/4" = 1' - 0"

NOTE:  
 1. CONNECT TWO SCORE TOWERS LIGHTING AND RECEPTACLE TO CIRCUIT 36 AND TWO TO CIRCUIT 38 ON PANEL P1

**WAVERLY PARK**  
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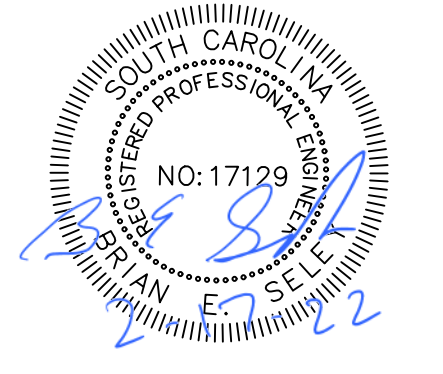
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 DRAWN BY: BES  
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**BID SET REVISION**

Revision Schedule		
#	Description	Date
△		

**ELECTRICAL PLANS & LEGEND**

**E100**

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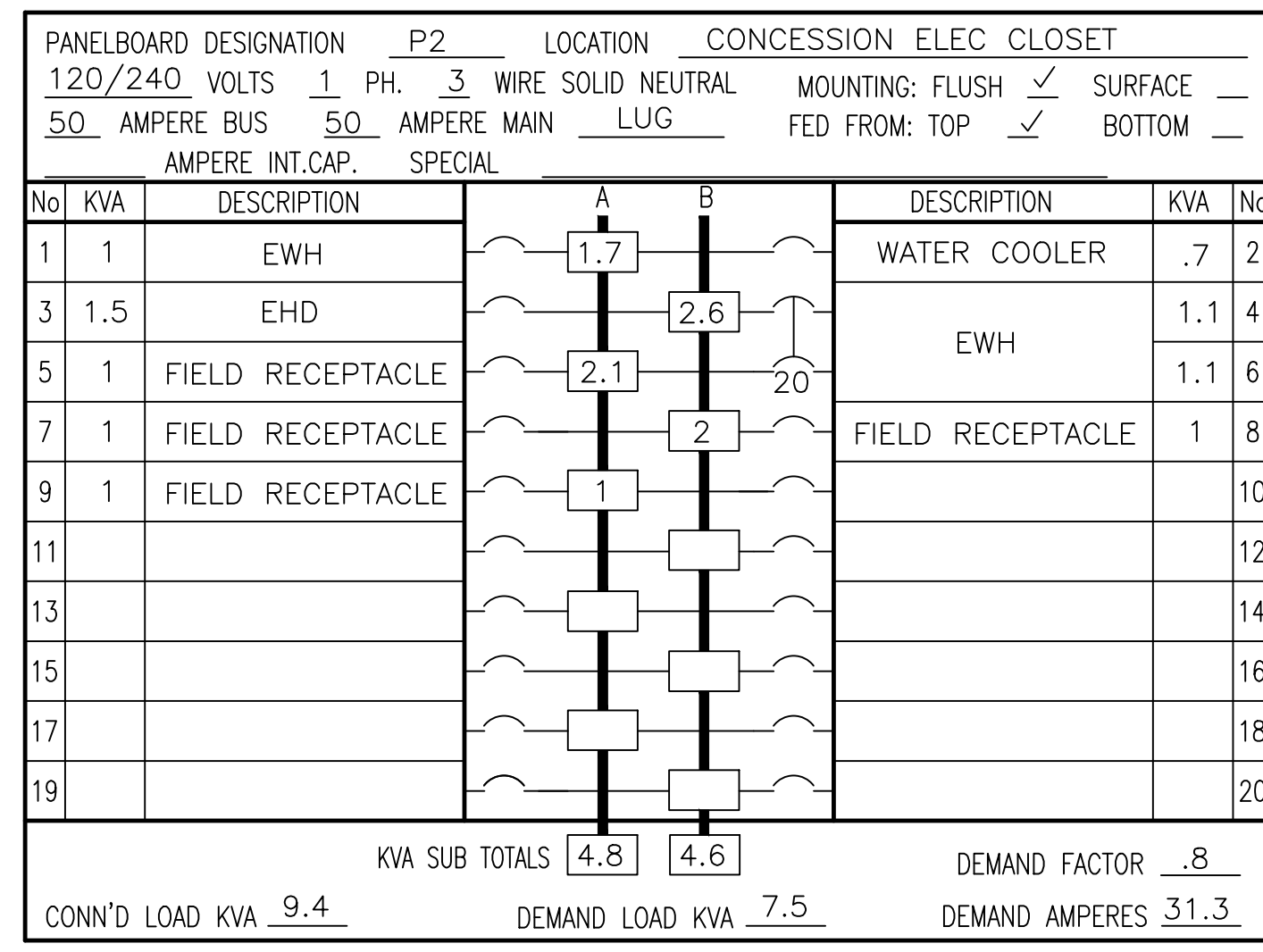


**GENERAL ELECTRICAL NOTES**

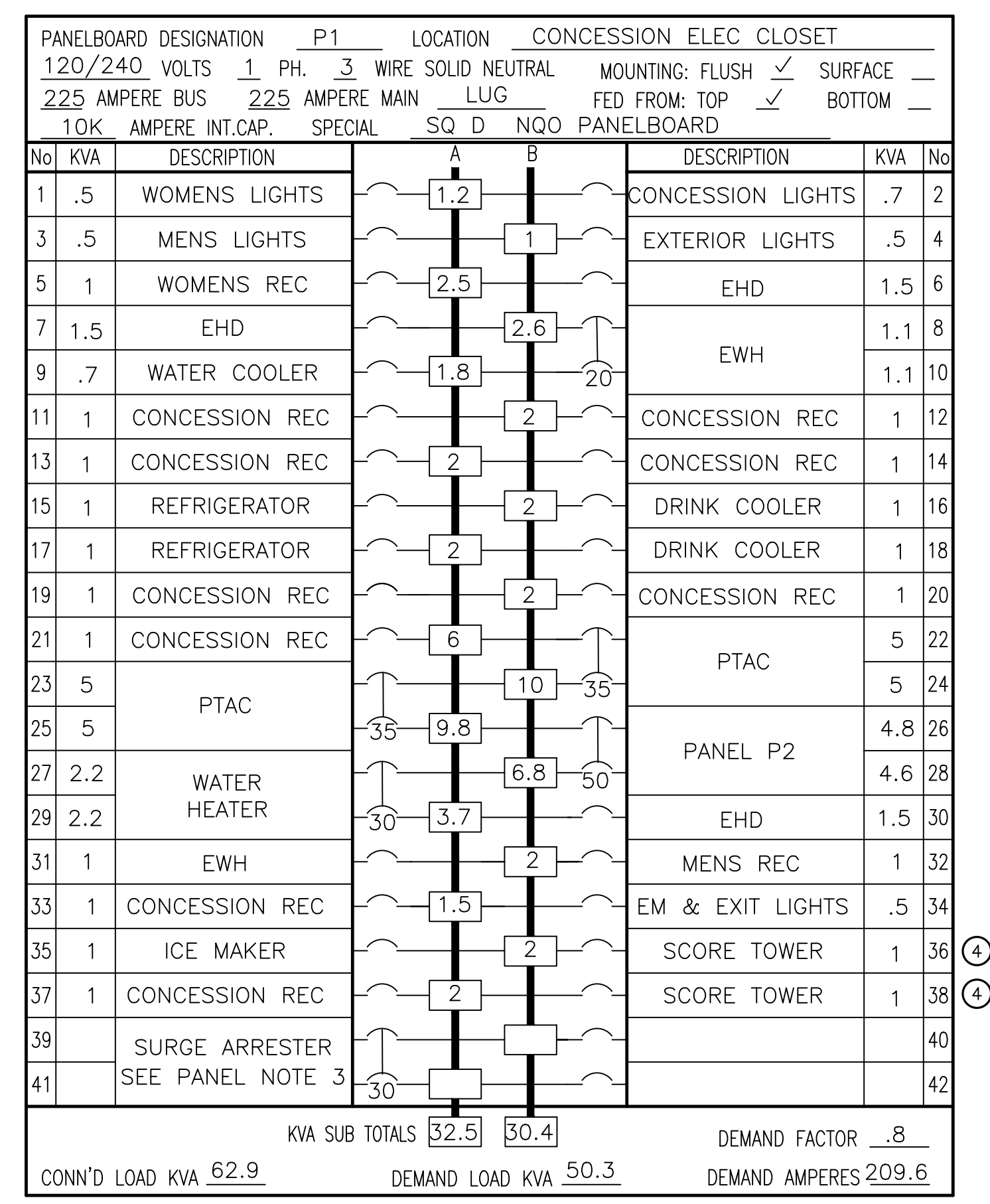
- INSTALL ALL MATERIAL AND EQUIPMENT IN A NEAT AND WORKMAN LIKE WAY. INSTALLATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE (NEC), THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA), AND ANY OTHER LOCAL CODE HAVING JURISDICTION
- PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS. ANY DEVIATION FROM THE DRAWINGS SHALL BE APPROVED BY THE OWNER OR ENGINEER.
- ALL WORK SHALL BE COORDINATED WITH THE OTHER TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL HIS TOOLS, DEBRIS, AND GENERAL CLEANUP FROM HIS WORK.
- THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF BUILDING MATERIALS REQUIRED FOR THE INSTALLATION HIS WORK.
- ALL RACEWAYS SHALL BE RUN CONCEALED IN CEILING, WALLS OR FLOOR SLABS
- IN GENERAL, CONDUIT RUNS BETWEEN PULL BOXES SHALL NOT EXCEED THE EQUIVALENT OF TWO 90 DEGREE BENDS AND IN NO CASE EXCEED THREE EQUIVALENT 90 DEGREE BENDS. IN LONG STRAIGHT CONDUIT RUNS LOCATE PULL BOXES AT 100 FOOT INTERVALS. INSTALL ELECTRICAL BOXES AS SHOWN ON DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS, AND REGULATORY REQUIREMENTS. USE CAST BOXES IN MANHOLE AND IN OUTSIDE LOCATIONS.
- ALL CONDUCTORS TO BE SOFT DRAWN COPPER WITH 600 VOLT INSULATION MINIMUM SIZE TO BE #12 AWG. WIRE SIZED #10 AWG AND SMALLER SHALL BE SOLID COPPER WITH TYPE 'THWN' OR 'THHN' INSULATION. CABLE SIZED #8 AND LARGER SHALL BE STRANDED COPPER WITH TYPE 'THWN' OR 'XHHW' INSULATION EXCEPT WHERE NOTED OTHERWISE. ALL WIRING SHALL BE INSTALLED IN PVC CONDUIT. COMPLETELY SWAB RACEWAYS BEFORE INSTALLING CONDUCTORS.
- PROVIDE CONNECTIONS TO ALL EQUIPMENT, MOTORS, ETC. FURNISHED BY OTHERS TO MAKE A COMPLETE, WORKING INSTALLATION.
- INSTALL WIRE MARKERS ON EACH CONDUCTOR IN PANELBOARD GUTTERS. PULL BOXES, OUTLET, AND JUNCTION BOXES, AND AT LOAD CONNECTIONS:
  - USE BRANCH CIRCUIT OR FEEDER NUMBER TO IDENTIFY POWER AND LIGHTING CIRCUITS.
  - USE CONTROL WIRE NUMBER AS INDICATED ON SCHEMATIC AND INTERCONNECTION DIAGRAMS TO IDENTIFY CONTROL WIRING.
- PROVIDE A TYPEWRITTEN PANEL SCHEDULE FOR EACH PANEL USED IN THIS PROJECT.
- CONNECT EMERGENCY LIGHTING TO LOCAL LIGHTING CIRCUITS, AHEAD OF ANY SWITCHES. DO NOT CONNECT TO LIGHTING CIRCUITS THAT ARE SWITCHED AT THE PANEL.
- WHEN INSTALLING RECESSED LIGHT FIXTURES IN AN INSULATED CEILING, PROVIDE A WIRE CAGE OVER THE FIXTURE TO KEEP INSTALLATION 6" OFF THE FIXTURE.
- MAKE ALL NECESSARY TESTS TO INSURE THAT THE ENTIRE INSTALLATION IS FREE FROM IMPROPER GROUNDS AND FROM SHORTED AND/OR OPEN CIRCUITS. VOLTAGE AND CURRENT TESTS SHALL BE MADE BEFORE ANY CIRCUITS ARE PLACED IN OPERATION.
- IT IS THE INTENT OF THIS SPECIFICATION FOR THE CONTRACTOR TO PROVIDE A COMPLETE AND OPERABLE ELECTRICAL SYSTEM WITHOUT ANY EXCEPTIONS. IN THE UNLIKELY CASE WHERE THESE PLANS AND SPECIFICATIONS SHOW OTHERWISE DUE TO ERRORS OR OMISSIONS THE CONTRACTOR SHALL PROVIDE A LIST OF EXCEPTIONS WITH HIS BID. OTHERWISE, EXTRAS DURING CONSTRUCTION WILL NOT BE ALLOWED IN ORDER TO PROVIDE A COMPLETE AND OPERABLE ELECTRICAL SYSTEM.

**LIGHTING FIXTURE SCHEDULE**

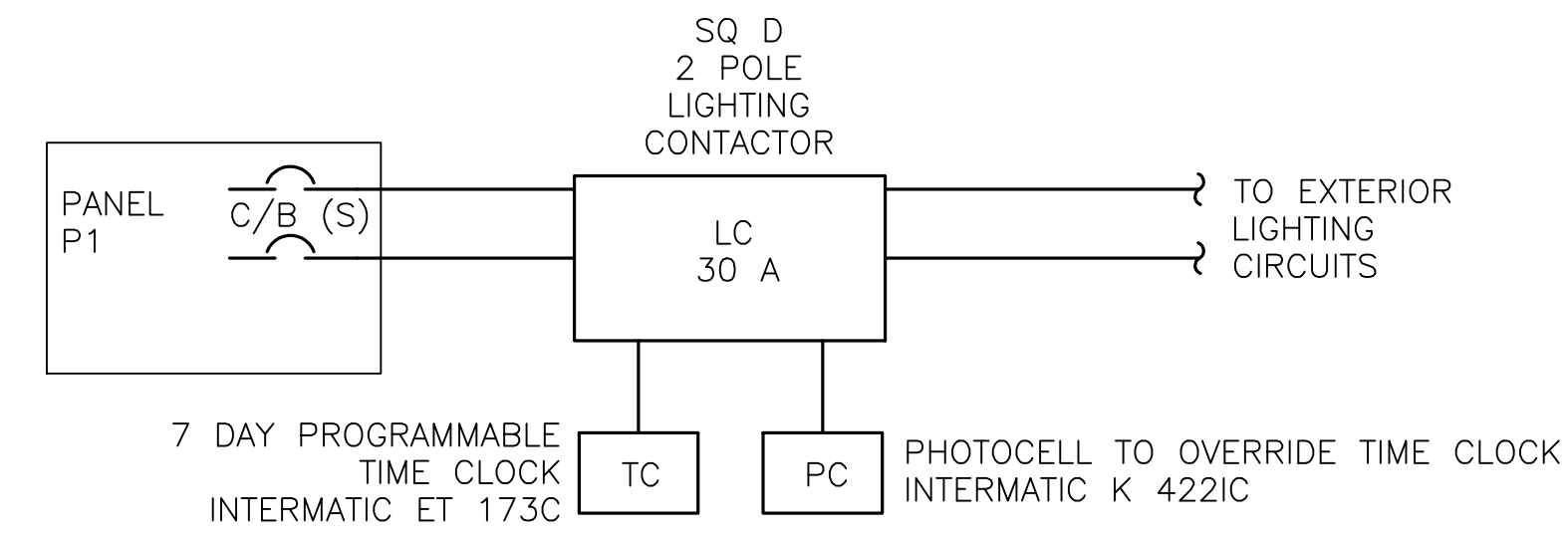
TAG	FIXTURE TYPE	DIFFUSER	COLOR	MTG	LAMP			VOLTS	MANUFACTURE & MODEL	LOCATION/REMARKS
					NO.	TYPE	WATTS			
A	4' LED LIGHT FIXTURE	POLYCARBONATE	WHITE	SURFACE	1	LED	45	120	KENALL N1048-P-1-45L35K-DCC-1-120	
B	2' LED LIGHT FIXTURE	POLYCARBONATE	WHITE	WALL	1	LED	25	120	KENALL R524-1-25L35K-DCC-1-120-WL	WET LOCATION RATED
C	12" SQUARE	POLYCARBONATE	DARK BRONZE	SURFACE	1	LED	25	120	KENALL H1212FM-PP-DB-25L35K-120	WET LOCATION RATED
D	ROUND UTILITY	POLYCARBONATE	WHITE	SURFACE	1	LED	12	120	BROWNLEE 2050-11-WH-B12-WHP	
E1	EXIT	POLYCARBONATE	WHITE	SURFACE	-	LED	4.5	120	KENALL METSU-MW-R-DT-EL	
E2	EMERGENCY EXIT COMBO	POLYCARBONATE	WHITE	SURFACE	2	LED	6.5	120	KENALL METEC-40N-MW-R-4-6.5L-120	
E3	EMERGENCY	POLYCARBONATE	WHITE	SURFACE	2	LED	6.5	120	KENALL METELHC-40N-MW-4-6.5L-120	
E4	EMERGENCY REMOTE HEAD	POLYCARBONATE	WHITE	SURFACE	1	LED	6.5	120	KENALL METER-MW-2-6.5L-12VAC/DC	



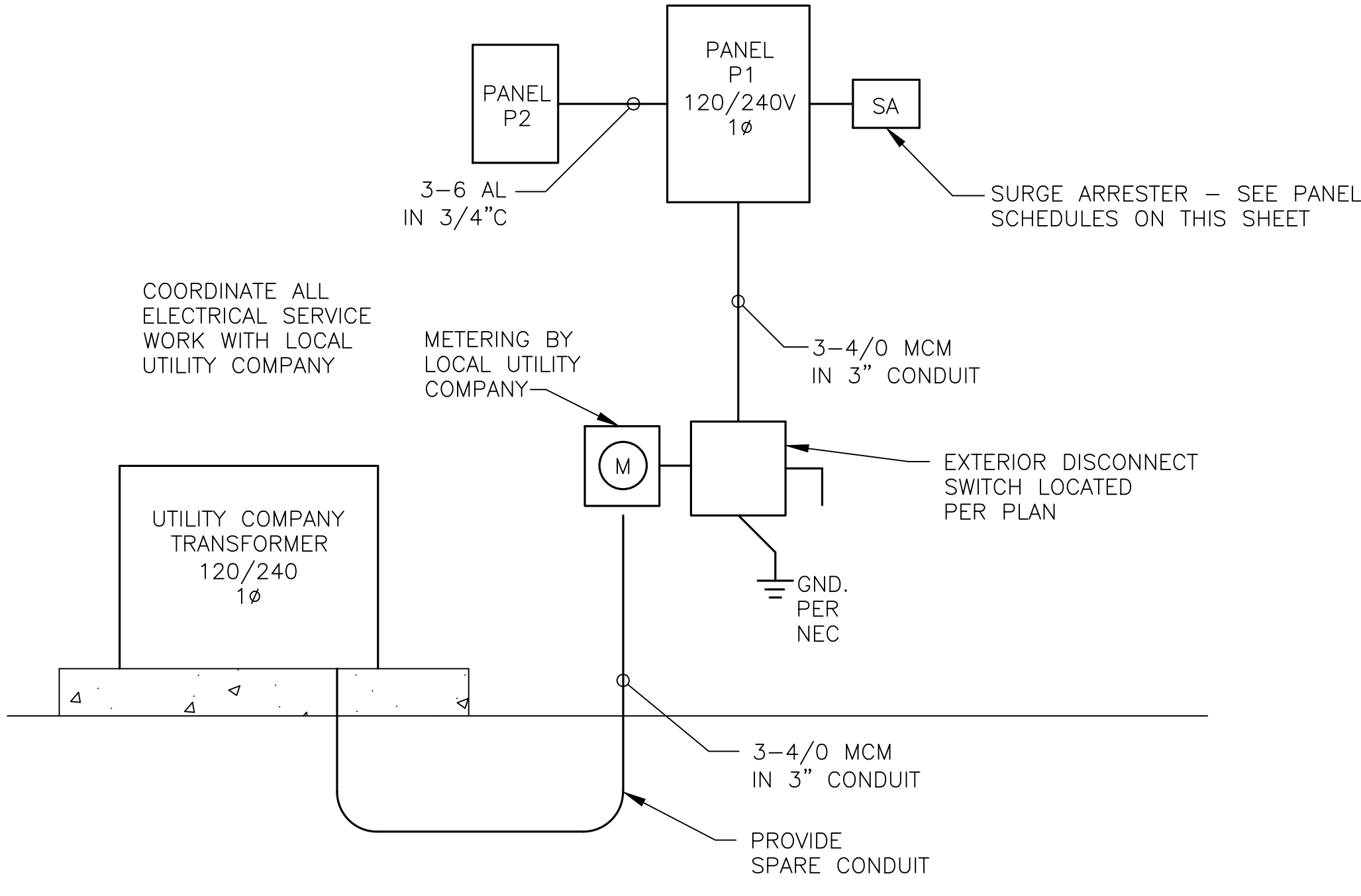
- PANEL NOTES
- ALL BREAKERS SHALL BE 1P 20A U.N.O. UN LESS OTHER WISE NOTED.
  - ALL BREAKERS SHALL BE BOLT ON TYPE.



- PANEL NOTES
- ALL BREAKERS SHALL BE 1P 20A U.N.O. UN LESS OTHER WISE NOTED.
  - ALL BREAKERS SHALL BE BOLT ON TYPE.
  - PROVIDE WITH SQUARE D SURGE PROTECTOR.
  - FOR ALL 2 SCORE TOWERS RECEPTACLES AND LIGHTING.



**DET 1 EXTERIOR LIGHTING CONTROL WIRING**  
 SCALE: NOT TO SCALE



**DET 1 ELECTRICAL ONE-LINE RISER DIAGRAM**  
 SCALE: NOT TO SCALE

**TYPICAL MOUNTING HEIGHTS**

ITEM	MOUNTING HEIGHT
SWITCHES	46" A.F.F. TO CENTER
RECEPTACLES	16" A.F.F. TO CENTER
COUNTER HEIGHT RECEPTACLES	48" A.F.F. TO CENTER
EXTERIOR W.P. G.F.I. RECEPTACLES	30" A.F.F. TO CENTER
CATV, PHONE & DATA JACKS	16" A.F.F. TO CENTER
EMERGENCY LIGHTS	84" A.F.F. TO TOP
EXIT LIGHTS - CEILING MOUNTED	MOUNT IN CEILING
EXIT LIGHTS - WALL MOUNTED	84" TO CENTER OR OVER DOOR
TYPICAL VANITY LIGHT	82" A.F.F. TO CENTER
CATV AND PHONE PANELS	36" A.F.F. TO CENTER
ELECTRICAL PANELS	72" A.F.F. TO TOP

- NOTES:
- UNLESS NOTED ELSEWHERE ON THE CONTRACT DOCUMENTS, THIS LIST REPRESENTS THE TYPICAL MOUNTING HEIGHTS REQUIRED FOR THE DEVICES SHOWN.
  - THE HEIGHTS INDICATED SHALL BE NOMINAL TO THE CENTER OF THE BOX, REQUIRING ONLY ONE BLOCK CUT FOR FLUSH MOUNTED DEVICES. MAINTAIN HEIGHT CONSISTENCY BETWEEN SURFACE AND FLUSH MOUNTED DEVICES.
  - CONTRACTOR TO VERIFY FINAL LOCATIONS AND MOUNTING DEPTH OF ALL BOXES WITH OWNER, FURNITURE SUPPLIER, GENERAL CONTRACTOR AND ARCHITECT BEFORE ROUGH IN.

**WAVERLY PARK**  
 AT  
**WACCAMAW ELEMENTARY SCHOOL**  
 1364 WAVERLY RD.  
 PAWLEYS ISLAND, SC 29585

PROJECT NUMBER:  
 19-004-04  
 ISSUE DATE:  
 02/09/2022  
 DRAWN BY: BES  
 CHECKED BY: BES

**BID SET REVISION**

Revision Schedule		
#	Description	Date

**ELECTRICAL NOTES, DETAILS & SCHEDULES**

**E200**