LANCASTER HS BASEBALL RESTROOM

970 Stadium Dr, Lancaster, SC 29720

ARCHITECT LS3P ASSOCIATES LTD.

> 701-A Lady St, Columbia, SC, 29201 (803) 765-2418

STRUCTURAL **CRANSTON ENGINEERING** GROUP, P.C.

452 Ellis St #1631, Augusta, GA, 30901 (706) 722-1588

OWNER CONSULTANTS:

CIVIL **CAMPCO ENGINEERING, INC.**

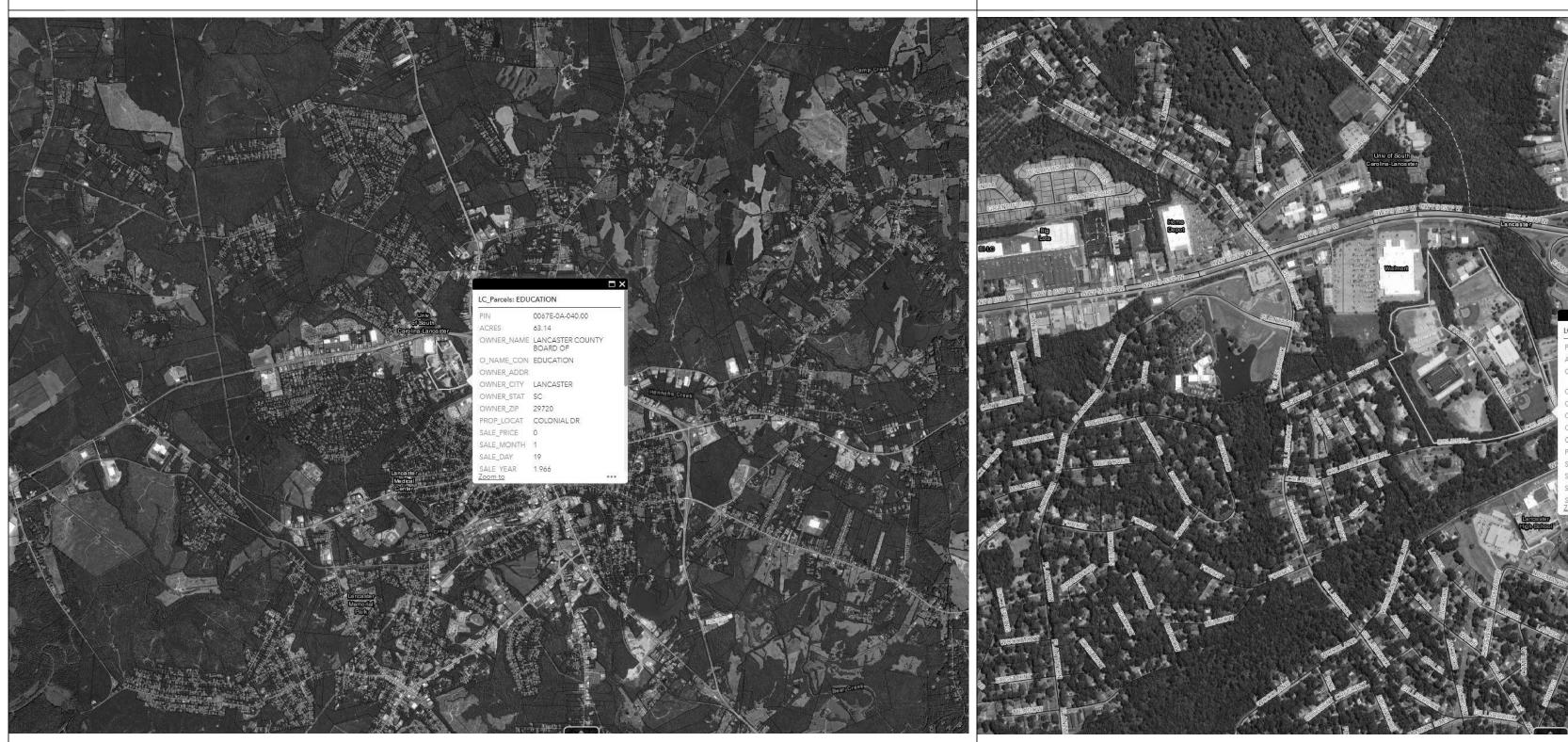
156 Oakland Ave #100, Rock Hill, SC, 29730 (803) 327-7121

PLUMB./MECH./ELEC. MECA, INC.

2330 Main St, Columbia, SC, 29201 (803) 765-9421

	SHEET INDEX			
NUMBER	NAME	ORIG ISSUE	REV#	DATE
GENERAL G-000	COVER SHEET	07/25/24		
G-000 G-001	COVER SHEET CODE ANALYSIS (FORM F3)	07/25/24		
G-001 G-002	CODE ANALYSIS (FORM F3)	07/25/24		
G-002 G-003	LIFE SAFETY PLAN	07/25/24		
G-003		01123/24		
CIVIL				
C-100	COVER SHEET	06/19/24		
C-200	SURVEY PLAN	06/19/24		
C-300	DEMOLITION/SITE PLAN	06/19/24		
C-301	SITE DETAILS	06/19/24		
C-400	GRADING/SPOT ELEVATION PLAN	06/19/24		
C-500	EROSION CONTROL PLAN	06/19/24		
C-501	EROSION CONTROL DETAILS	06/19/24		
C-502	EROSION CONTROL DETAILS	06/19/24		
C-600	WATER & SANITARY SEWER SERVICE PLAN	06/19/24		
C-601	WATER & SANITARY SEWER DETAILS	06/19/24		
S-001 S-100 S-201 S-202	GENERAL NOTES FOUNDATION AND ROOF FRAMING PLAN FOUNDATION AND FRAMING DETAILS TYPICAL CMU DETAILS	03/15/24 03/15/24 03/15/24 03/15/24		
ARCHITECTUF			L	1
A-001	CONSTRUCTION SUBSYSTEMS & PARTITION TYPES & DETAILS	07/25/24		
A-050	ARCHITECTURAL SITE PLAN	07/25/24		
A-101	FLOOR, REFLECTED CEILING & ROOF PLAN	07/25/24		
A-201	EXTERIOR ELEVATIONS	07/25/24		
A-301	BUILDING SECTIONS	07/25/24		
A-401	DOOR, FRAME, LOUVER, & ACCESSORY ITEMS SCHEDULES & ELEVATIONS	07/25/24		
A-401 A-701	ROOM FINISH SCHEDULE & LEGEND, AND INTERIOR SIGNAGE	07/25/24		
PLUMBING		01720721		
P-101	PLUMBING PLANS	03/15/24		
	1		1	<u> </u>
MECHANICAL M-101	MECHANICAL PLAN	03/15/24		
M-101 M-201	MECHANICAL PLAN MECHANICAL SCHEDULES	03/15/24		
		03/13/24		
ELECTRICAL				
E-001	ELECTRICAL SYMBOLS, SCHEDULES, & DETAILS	03/15/24		
E-101	ELECTRICAL PLANS	07/25/24		

AREA MAP

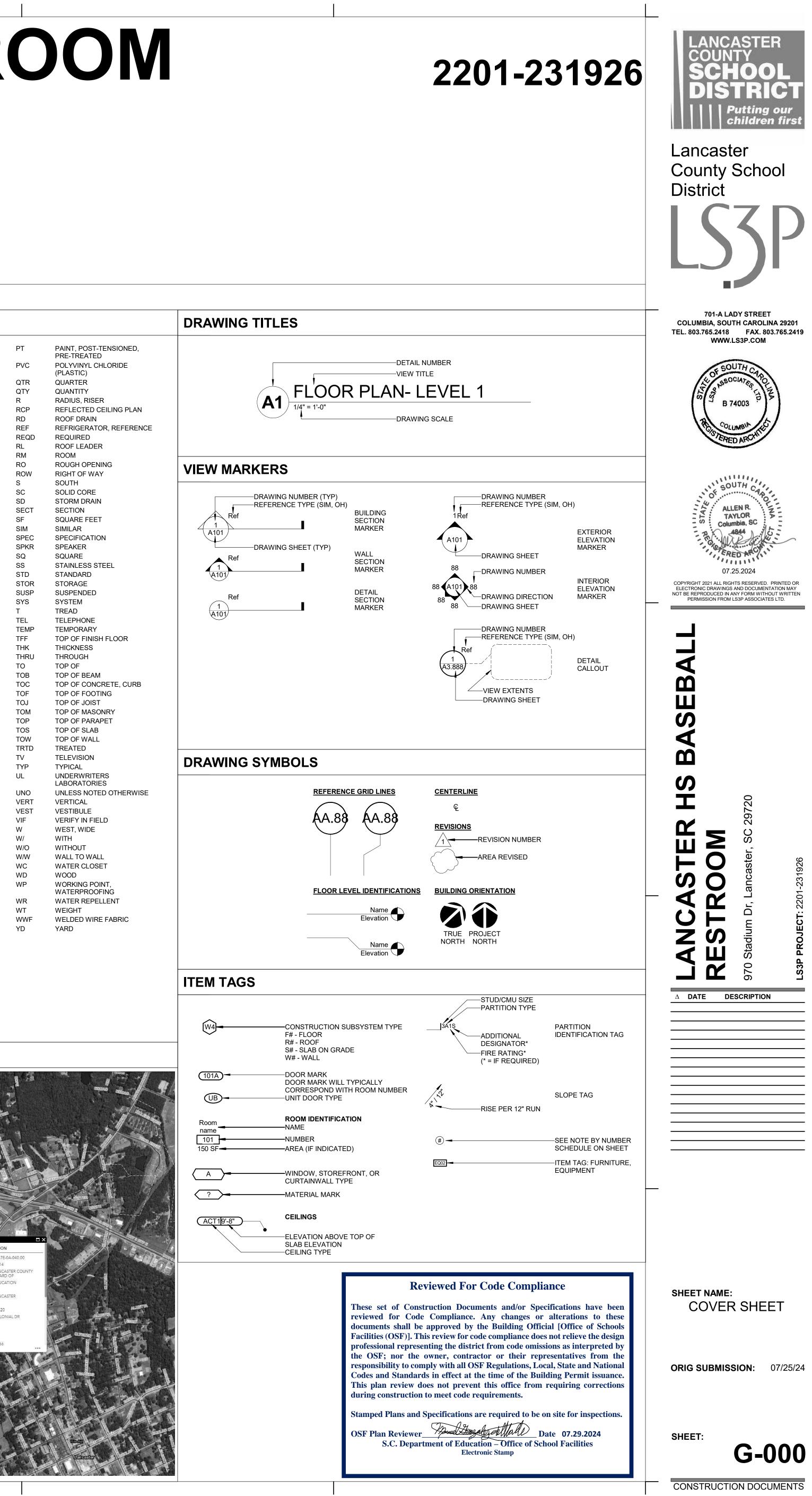


PROJECT ABBREVIATIONS

A/C	AIR CONDITION(ING)	FOS	FACE OF SLAB
ADMIN	ADMINISTRATION	FOW	FACE OF WALL
AFF	ABOVE FINISHED FLOOR	FT	FOOT, FEET
ALT	ALTERNATE	FTG	FOOTING
ALUM	ALUMINUM	FURN	FURNISH, FURNITURE
APPROX	APPROXIMATE(LY)	GA	GAGE
ARCH	ARCHITECT(URAL)	GALV	GAUVANIZED
AUTO	AUTOMATIC	GC	GENERAL CONTRACTOR
AUX	AUXILIARY	GC GYP BD	GYPSUM BOARD
AUA	AUDIOVISUAL		GYPSUM PLASTER
BITUM	BITUMINOUS	HC	HANDICAP
BL	BUILDING LINE	HD	HEAVY DUTY
BLDG	BUILDING	HDWD	HARDWOOD
BN	BULL NOSE	HDWR	HARDWARE
BOS	BOTTOM OF STEEL	HM	HOLLOW METAL
BOT	BOTTOM	HORIZ	HORIZONTAL
CAB	CABINET	HT	HEIGHT
CJ	CONTROL JOINT	HVAC	HEATING, VENTILATION & AIR
CL	CENTER LINE	110/10	CONDITIONING
CLG	CEILING	ID	INSIDE DIAMETER
CLG HT	CEILING HEIGHT	INCL	INCLUDE(D), (ING)
CLO	CLOSET	INFO	INFORMATION
CLR	CLEAR(ANCE)	INSUL	INSULATION
CMU	CONCRETE MASONRY UNIT	INT	INTERIOR
COL	COLUMN	JAN CLO	JANITOR CLOSET
CONC	CONCRETE	KIT	KITCHEN
CONF	CONFERENCE	KO	KNOCKOUT
CONT	CONTINUE. CONTINUOUS	LAB	LABORATORY
CORR	CORRIDOR	LAM	LAMINATE
CU FT	CUBIC FOOT	LAU	LAUNDRY
CUYD	CUBIC YARD	LAV	LAVATORY
DEMO	DEMOLISH	LF	LINEAR FEET
DEPT	DEPARTMENT	LVR	LOUVER
DET	DETAIL	MAINT	MAINTENANCE
DF	DRINKING FOUNTAIN	MATL	MATERIAL
DIA	DIAMETER	MAX	MAXIMUM
DIAG	DIAGONAL	MECH	MECHANICAL
DIM	DIMENSION	MEZZ	MEZZANINE
DIV	DIVISION	MFG	MANUFACTURING
DS	DOWNSPOUT	MFR	MANUFACTURER
E	EAST	MIN	MINIMUM
EA	EACH	MISC	MISCELLANEOUS
EIFS	EXTERIOR INSULATION &	MO	MASONRY OPENING
	FINISH SYSTEM	MR	MOISTURE RESISTANT
EJ	EXPANSION JOINT	MTD	MOUNTED
EL	ELEVATION	MTG	MOUNTING
ELEC	ELECTRIC(AL)	MTL	METAL
ELEV	ELEVATOR	Ν	NORTH
ENCL	ENCLOSE(D)	NIC	NOT IN CONTRACT
EOS	EDGE OF SLAB	NOM	NOMINAL
EQ	EQUAL	NON COMB	NON-COMBUSTIBLE
EQUIP	EQUIPMENT	NTS	NOT TO SCALE
EWC	ELECTRIC WATER COOLER	OC	ON CENTER
EXIST	EXISTING	OD	OUTSIDE DIAMETER
EXP JT	EXPANSION JOINT	OPP	OPPOSITE
EXT	EXTERIOR	OPT	OPTION(AL)
F/F	FACE TO FACE	PCF	POUNDS PER CUBIC FEET
FD		PLAM	PLASTIC LAMINATE
FE	FIRE EXTINGUISHER	PLAM	POUNDS PER LINEAR FEET
FEC FF EL		PLYWD	PLYWOOD
FF EL FHC	FINISH FLOOR ELEVATION FIRE HOSE CABINET	PNL	PANEL
FIN FLR	FIRE HOSE CABINE I FINISHED FLOOR	PR	PAIR
FINFLR	FLOOR, FILLER	PREFAB	PREFABRICATED
FLR	FLOOR, FILLER FACE OF CURB	PREFIN	PREFINISH
FOC	FACE OF CORB	PRKG	PARKING
FOM	FACE OF MASONRY	PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH

NOTE: ALL MAY NOT APPLY TO PROJECT

VICINITY MAP



	SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION	SOUTH CAROLINA STATE DEPARTMENT OF E DUCATION
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE	Form F3 – Building Code Analysis	Form F3 – Building Code Analysis
OVE IS E T THIS SI GE SIZE	Date: 03/15/2024 SUBMITTAL: □ Schematic Design Development ⊠ Construction Document	Allowable building area per story in square feet as calculated by Equations 5-1 through 5-3. (Indicated equation used.) N _s =
OWN AB LONG A GINAL PA	SC CODE EDITION: 2021 ICC CODE EDITION: 2021 ICC A117.1 EDITION: 2017 OSF GUIDE EDITION: 2023 OTHER CODES/STANDARDS & EDITIONS: 2021 ICC A117.1 EDITION: 2017 OSF GUIDE EDITION: 2023	$\square \text{ IBC Section 506.2.1 Equation 5-1} $ $A_a = A_t + (N_s \times I_f)$
LINE SH	OTHER CODES/STANDARDS & EDITIONS:	$\Box \text{ IBC Section 506.2.3 Equation 5-2} \\ \mathbf{A}_{\mathbf{a}} = [\mathbf{A}_{\mathbf{t}} + (\mathbf{N}_{\mathbf{s}} \times \mathbf{I}_{\mathbf{f}})] \times \mathbf{S}_{\mathbf{a}}$
H T O	PROJECT DESCRIPTION: The project is a restroom building supporting the existing baseball stadium. It will be a CM at Risk delivery method.	$\Box \text{ IBC Section 506.2.4 Equation 5-3} \\ \mathbf{A}_{a} = [\mathbf{A}_{t} + (\mathbf{N}_{s} \times \mathbf{I}_{f})] \\ \end{bmatrix}$
- I	BASIC BUILDING CODE INFORMATION DESIGNATED AREAS OF BUILDING Building Code Area 1	N _s Tabular allowable area factor in accordance with Table 506.2 for a non-sprinklered building <i>(regardless of whether the building is sprinklered)</i>
E	- ⊠ SCBC - □ SCEBC	S_a Actual number of building stories above grade plane, not to exceed three (3). For buildings equipped throughout with automatic sprinkler system installed in accordance with
	CONSTRUCTION CLASSIFICATION TYPE Section 602 IIIB, NON-SPRINKLERED OCCUPANCY GROUP (indicate all) Section 302 A5	SCBC Section 903.3.1.2, use the actual number of building stories above grade plane, not to exceed four (4).
	MOST RESTRICTIVE OCCUPANCY GROUP Tables 504.3, 504.4 & 506.2 A5 Does building require Incidental Use Area Table 509 \$\text{YES}\$ NO	MAXIMUM AREA PER STORY 8,500 SF
	Separation? Does building have Accessory Occupancy (ies)? Section 508.2 What is the accessory for the accessory of the accessory for the accessor	AREA AS DESIGNED PER STORY (Repeat for each story)470 SF
	accessory occupancy (ies)? Section 508.2 0 SF What percent of the story is the aggregate of the accessory occupancy (ies)? Section 508.2 0 %	
	Mixed Occupancy Section 508 UYES NO Section 508 Section 508 Section 508 Section 508 Section 508	
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	SOUTH CAROLINA STATE DEPARTMENT OF E DUCATION	SOUTH CAROLINA STATE DEPARTMENT OF E DUCATION
	Form F3 – Building Code Analysis	Form F3 – Building Code Analysis
	EXISTING BUILDING CODE INFORMATION [SCEBC] - NA DESIGNATED AREAS OF NUM DIVISION	BUILDING HEIGHT
	BUILDING Method of Compliance: (Check only one Option and all items) Method (Ch. 3, 5)	DESIGNATED AREAS OF Building Code Area 1 BUILDING
	that apply under that Option.) □ Alteration □ Addition □ Change of Occupancy □ □ □	HEIGHT - DESIGNED ALLOWED In Feet Table 504.3 12'-0" 55
	□ Historic Building □ Option 2: Work Area Compliance	In Stories Table 504.4 1 2
D	Method (Ch. 3, 6-12) Alteration Level 1 Alteration Level 2	Note: Allowable Building Height & Number of Stories Above Grade Plane
	□ Alteration Level 3 □ Change of Occupancy □ Additions	
	☐ Historic Building Aggregate area of building: SF	
	Work area: SF	
	Method (Ch. 3, 13) Original Building Code and Edition Applicable at the time of	
	Construction: Existing Sprinkler System? Existing Fire Alarm System?	
	Existing File Manual Date Seismic Evaluation Required?	
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	SOUTH CAROLINA	SOUTH CAROLINA
	STATE DEPARTMENT OF EDUCATION	STATE DEPARTMENT OF EDUCATION
	Form F3 – Building Code Analysis Change of Occupancy: □ YES □ NO Listin Our year Glue() □ He (f)	Form F3 – Building Code Analysis GENERAL FIRE PROTECTION REQUIREMENTS
	Existing Occupancy Class(s): New Occupancy Classification(s): Historic Building: □ YES □ NO	DESIGNATED AREAS OF BUILDING Building Code Area 1
	Preservation Rehabilitation Restoration	SEPARATIONS Fire Wall Required Section 706 □ YES ⊠ NO
		Fire Barrier Required Section 707 YES
	SUMMARY - BUILDING DESIGN OCCUPANT LOAD	Fire Partition Required Section 708 □ YES ⊠ NO Smoke Barriers Required Section 709 □ YES ⊠ NO
C	DESIGNATED AREAS OF BUILDING Building 1 ST FLOOR 2 *ENTIRE FACILITY: 400	Smoke Partitions Required Section 710 □ YES ⊠ NO Fireblocking Section 718.2 □ YES ⊠ NO
	TOTAL: 2	Draftstopping Sections 718.3 & 718.4 □ YES ⊠ NO Incidental Use Area
	Note: Per SC Building Code Chapter 10, list individual spaces occupant load on life safety plan.	One hour fire barrier Section 509.4 □ YES ⊠ NO Sprinkler system plus smoke resistance □ YES ⊠ NO ALARM & DETECTION □ YES ⊠ NO
		Fire Alarm and Detection System □ YES ⊠ NO Fire Alarm □ YES ⊠ NO Mass Notification SCFC Section 907
		Emergency voice/alarm comm. □ YES ⊠ NO Emergency Alarm System Required SCFC Section 908 □ YES ⊠ NO
		SUPPRESSION Automatic Sprinkler System Provided SCFC Section 903 UYES
		Required I YES INO
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	SOUTH CAROLINA	SOUTH CAROLINA
	SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION Form F3 – Building Code Analysis	SOUTH CAROLINA STATE DEPARTMENT OF E DUCATION Form F3 – Building Code Analysis
	ALLOWABLE BUILDING AREA	Alternative Automatic Fire Extinguishing Kitchen Hoods SCFC Section 904 □ YES ⊠ NO
	DESIGNATED AREAS OF BUILDING Area 1	Other □ YES ⊠ NO Standpipes Required SCFC Section 905 □ YES ⊠ NO Portable extinguishers required ⊠ VES □ NO
	At Tabular allowable area factor (NS, S1, S13R or SM as applicable) in accordance with IBC Table 506.2 At = 8,500 SF	General Building Image: Section 906 Image: YES Image: NO Kitchen SCFC Section 906 Image: YES Image: NO Labs Image: YES Image: NO Image: YES Image: NO
	Allowable Area Increase (Equations 5-1 through 5-5, as applicable)	OTHER FIRE AND LIFE SAFETY FEATURES
	$\frac{\text{IBC Section 506.3.2 Equation 5-4 where:}}{W = (L_1 x w_1 + L_2 x w_2 + L_3 x w_3 +) / F} L_n =$	DESIGNATED AREAS OF BUILDING Building Code Area 1
B	$W =$ Width of public way or open space $w_n =$ L_n Length of a portion of the exterior perimeter wall. $W =$	Smoke Control System Section 909 □ YES ⊠ NO Smoke & Heat Removal Required SCFC 910 □ YES ⊠ NO Fire Department Connections Section 912 □ YES ⊠ NO
	$w_n \text{Width} (>= 20 \text{ feet}) \text{ of public way or open space associated} \\ \text{with that portion of the exterior perimeter wall.} \\ \text{F} \text{Building perimeter that fronts on a public way or open space} \qquad F =$	Fire Department Connections Section 912 □ YES ⊠ NO Carbon Monoxide Detection Section 915 □ YES ⊠ NO Gas Detection Systems Section 916 □ YES ⊠ NO
	IBC Section 506.3.3 Equation 5-5 where: IBC Section 506.3.4 Equation 5-5 where:	Emergency Responder Radio Coverage Section 918 □ YES ⊠ NO Fire Apparatus Access and Water Line SCFC 503 & 507 □ YES ⊠ NO
	$I_{f} = [F/P - 0.25] W/30 P =$ $I_{f} = \text{Area factor increase factor due to frontage}$	2-way Communication Required Section 1009.8 □ YES ⊠ NO Area of Refuge Sections 1009.6,
	F Building perimeter that fronts on a public way or open space having a width of 20 feet or more. $I_f =$	(e.g. Separation, Two-Way Communication, and Instruction) 1009.9, 1009.10 & 1009.11 □ YES ⊠ NO Exterior Area for Assisted Rescue Sections 1009.7, 1000.01 1000.11 □ YES ⊠ NO
	 P Perimeter of entire building (feet). W Width of public way or open space in accordance with Equation 5-4 	Exterior Area for Assisted Rescue (e.g. Separation, Openness, and Instruction)1009.9, 1009.10 & 1009.11 \Box YES \boxtimes NOSafe Dispersal AreaSection 1028.5 \Box YES \boxtimes NO
		(Add others as needed) \Box YES \Box NO(Add others as needed) \Box YES \Box NO
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A		
MA		
24:50		
24 12:2		
7/25/2024 12:24:50 PM		

8 – Building Co	de Analysis
N _s =	
S _a =	
$A_n = SF$	
8,500 SF	
470 SF	

	SOUTH CAROLINA
* _ !	STATE DEPARTMENT
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		Form F3 –	Building Co	ode Analy
FIRE RESIST	TANCE RATING OF B	UILDING ELEME	ENTS - NA	
	FED AREAS OF ILDING	Building Code	Area 1	_
	As Required, Hrs		0	
Primary Structural	As Designed, Hrs	Table 601	0	
Frame	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs		0	
Bearing Walls,	As Designed, Hrs	Table 601	0	
Exterior	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs		0	
Bearing Walls,	As Designed, Hrs	Table 601	0	
Interior	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs		0	
Nonbearing Walls and Partitions,	As Designed, Hrs	Table 601	0	
Interior	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	

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SOUTH CAROLINA STATE DEPARTMENT OF E D U C A T I O N

		Form F3 – F
FLOOD HAZARD INFORM	ATION and FLO	OOD LOADS
FLOOD HAZARD AREA		
Base Flood Elevation (NGVD or	FIRM)	N/A MSL
Design Flood Elevation SCBC 16	12.3 and ASCE 24	N/A MSL
NON HIGH-VELOCITY WAVE	ACTION	
Elevation of Lowest Proposed Flo Section 2.6.2.1)	or (Meet ASCE 24	300.0 MSL
Dry flood proofing ASCE 24		🖾 no 🗆 yes
HIGH-VELOCITY WAVE ACTI	ON	
Elevation of bottom of Lowest Ho Member of lowest floor	295.0 MSL	
Flotation resistant (ASCE 2	🖾 no 🗆 yes	
Breakaway wallper (ASCE 24)		\boxtimes no \square yes
FIRE SERVICE INFORMAT	ΓΙΟΝ	
Service Line Size		Inches
Fire Department Connection	Location	
Backflow	Location	
Backnow	Туре	
	Date	
Fire Hydrant Flow Test	Flow	GPM
	Residual	PSI
	Static	PSI

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		Form F3 –	- Building Co	ode Analysis
FIRE RESIST	FANCE RATING OF E	BUILDING ELEM	ENTS - NA	
	FED AREAS OF ILDING	Building Code	Area 1	
	As Required, Hrs		0	
Nonbearing Walls and Partitions,	As Designed, Hrs		0	
Exterior	Testing Agency & Design No.(UL, FM, etc)	Table 602	NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs	Table 601	0	
Floor Construction and associated	As Designed, Hrs		0	
secondary members	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs	Table 601	0	
Roof Construction and associated	As Designed, Hrs		0	
secondary members	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs		0	
Fire Walls	As Designed, Hrs	Section 706	0	
	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
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STRUCTU	RAL DESIGN INFORMA	TION
		Bui C
OCCUPANCY CATE	GORY	T: 16
	Floor Live Load, F11	
LIVE LOAD FOR EACH OCCUPANCY TYPE	Roof Live Load, R _{II}	Fig 160 AS
	Ground Snow Load, pg	

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

		Form F3 –	Building Co	ode Analysi
FIRE RESIST	FANCE RATING OF E	BUILDING ELEMP	ENTS - NA	
	FED AREAS OF ILDING	Building Code	Area 1	
	As Required, Hrs	Section 707	0	
Fire Barriers	As Designed, Hrs		0	
	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs		0	
Fire Partitions	As Designed, Hrs	Section 708	0	
The Furthenis	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs		0	
Smoke Barriers	As Designed, Hrs		0	
Smoke Burners	Testing Agency & Design No.(UL, FM, etc)	Section 709	NA	
	Wall/Partition Key Code		NA	
	As Required, Hrs		0	
Smoke Partitions	As Designed, Hrs	Section 710	0	
	Testing Agency & Design No.(UL, FM, etc)	Section 710	NA	
	Wall/Partition Key Code		NA	

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OF EDUCATION	Form F3 – B	Build	ding Cod	e Analysis
SOILS & SITE				UCTURAL DESI
SOILS INVESTIGATION REQUIRED? (IBC 1803.2) SOILS CLASSIFICATION Seismic Site Class (SCBC Section 1613.3.2) Classes Soil of Materials (UCS System) (SCBC 1803.5.1) Allowable Footing Bearing Pressure MINIMUM DESIGN SOIL BEARING LOAD (SCBC Table 1806.2)	□ no ⊠ yes C 2000 1500 psf		WIND LOADS	Analysis Procedure 1609.6) Basic design Wind (3 sec gust IBC Fi Exposure Category Wind Importance F 1.5-2) Internal Pressure C External Pressure C
COMPACTION Subgrade (ASTM D698, ASTM D1557) or (AASHTO only for paving & roads) Base (ASTM D698, ASTM D1557) or (AASHTO only for paving & roads) Other (ASTM D698, ASTM D1557) or (AASHTO only for paving & roads) MINIMUM DESIGN SOIL LATERAL LOAD (SCBC 1610.1) FOOTINGS Undisturbed footings Compacted Fill Material (SCBC Section 1804.6) ELEVATIONS Elevation of Water Table Elevation of lowest footing Elevation of lowest floor or basement	98 % 98 % % 45 PSF (active) 60 PSF (at rest) □ no ⊠ yes □ no ⊠ yes N/A MSL 295.0 MSL 296.0 MSL		SEISMIC LOADS/E arthquake	Seismic Importance Site Class (SCBC S Mapped Spectral R Design Spectral Re Parameters Seismic Use Group Seismic Occupanc Seismic Design Car SCBC Tables 161 Basic Seismic Force Design Base Shear Seismic Response (

			Form F3 –]
-	FIRE RESIS	TANCE RATING OF E	BUILDING ELEM	E
		TED AREAS OF ILDING	Building Code	
	Fire Barriers	As Required, Hrs As Designed, Hrs Testing Agency & Design No.(UL, FM, etc) Wall/Partition Key Code	Section 707	
	Fire Partitions	As Required, Hrs As Designed, Hrs Testing Agency & Design No.(UL, FM, etc) Wall/Partition Key Code	Section 708	_
	Smoke Barriers	As Required, Hrs As Designed, Hrs Testing Agency & Design No.(UL, FM, etc) Wall/Partition Key Code	Section 709	
	Smoke Partitions	As Required, Hrs As Designed, Hrs	Section 710	

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()	8 – Building
	🗆 YES 🖾 NO
	🗆 YES 🖾 NO
	🗆 YES 🖾 NO
	🖾 YES 🗆 NO
	□ YES ⊠ NO
L	🗆 YES 🖾 NO
_	
Ŋ	RES
	Area 1
	🗆 YES 🖾 NO
	\Box YES \Box NO
	\Box YES \Box NO

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SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

FIRE RESIST	CANCE RATING OF B	BUILDING ELEMI	ENTS - NA	
	TED AREAS OF ILDING	Building Code	Area 1	-
	As Required, Hrs		0	
Horizontal	As Designed, Hrs		0	
Assemblies	Testing Agency & Design No.(UL, FM, etc)	Section 711	NA	
	Wall/Partition Key Code		NA	
Shaft Enclosures	As Required, Hrs	Sections 712 & 713	0	
	As Designed, Hrs		0	-
	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	
0	As Required, Hrs		0	
Opening & Protective Listing	As Designed, Hrs		0	-
by Category (fire shutters, doors, etc.)	Testing Agency & Design No.(UL, FM, etc)	Section 716	NA	
	Wall/Partition Key Code		NA	
0.1	As Required, Hrs		0	
Others (as required by	As Designed, Hrs		0	1
Designer)	Testing Agency & Design No.(UL, FM, etc)		NA	
	Wall/Partition Key Code		NA	

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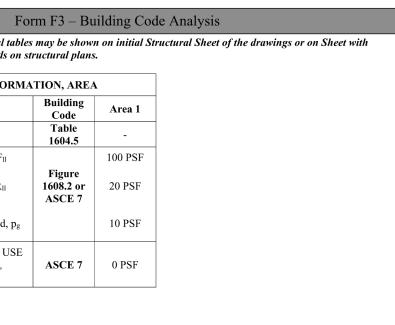
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INSULATION		
D	Cavity	R
Roof	Continuous	R
	Cavity	R
Walls	Continuous	R
Underslab		R
GLAZING (each type)	,	
	North	%
····	East	%
Window to wall ratio	South	%
	West	%
Glass Type	U Factor	
	SHG	
Summary of data from a heets.	pproved ASHRAE 9	0.1 compliance

Form F3 – Building Code Analysis 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 & Section 1705 of the 2018 South Carolina Building Code. Any deviations from the requirements of Section 1704 and/or Section 1705 must be approved by OSF. Per SCBC 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 TYPE OF INSPECTION FREQUENCY SPECIFICATION REFERENCE INSPECTION BY MATERIAL SEE G-002

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114 = V

 $NA = I_w$

1 = I

D (assumed)

 $0.25 = S_s$

 $0.093 = S_1$

 $0.266 = S_{DS}$

 $0.149 = S_{D1}$

Ordinary

masonry

reinforced

shearwalls

5.9 KIPS

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Risk Category =

 $+/-0.18 = GC_{pi}$

STRUCTURAL DESIGN INFORMATION, BUILDING

Analysis Procedure (ASCE 7 or SCBC

Wind Importance Factor (ASCE 7 Table

Internal Pressure Coefficient (ASCE 7)

Seismic Importance Factor (ASCE 7)

Site Class (SCBC Section 1613.3.2)

Mapped Spectral Response Accelerations

Design Spectral Response Acceleration

Seismic Use Group (ASCE 7 and

Basic Seismic Force Resisting System

SEISMIC Seismic Occupancy Category IBC)

Design Base Shear

Analysis Procedure

LOADS/E Seismic Design Category arthquake SCBC Tables 1613.3.5(1) & 1613.3.5(2)

External Pressure Coefficient (ASCE 7) $NA = GC_p$

Seismic Response Coefficient(s) ASCE 7 $0.133 = C_s$

Response Modification Factor(s) ASCE 7 2.0 = R

Basic design Wind Speed, MPH

(3 sec gust IBC Fig 1609.3)

Exposure Category

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		Form F3 – I	Buildi	ng Code Analysi	S
Provide a table for each structure. PLUMBING INF	ORMATI	ON]	SUMMARY OF FI	XTU
WATER SYSTEM			-		N
Service Line Size 4 Inches					
	4 menes		-	Water Closets	N
Distribution Design Criteria (SCPC Table 604.3)	42 Fixture	42 Fixture Units			F
Maximum Flow Rate (SCPC Table 604.4)	47 GPM		1		F
1 able 004.4)	Location	Inside	-		Ν
Backflow				Lavatories	Ν
	Туре	Double Check		Lavatories	F
Test Pressure	NA psi				F
SANITARY SEWER SYSTEM	1				N
Service Line Size	4 Inches		Showers		Ĺ
Drainage Design Criteria (SCPC Tables 709.1 and 709.2)	28.5 Fixture Units				F
Maximum Flow Rate	8 GPD pe	r Person			I
Slope (SCPC Table 704.1)	1/8 Inches	s/Ft		Drinking Fountains	I
			_		T

SUMMARY OF FIX	XTURES (SCPC Section 4	03 & Table
	Male-Required	1
	Male WC -Provided	1
Water Closets	Male Urinal -Provided	1
	Female-Required	2
	Female-Provided	2
	Male-Required	1
T	Male-Provided	1
Lavatories	Female-Required]
	Female-Provided	1
Showers	Male-Provided	0
	Female-Provided	(
	Required	1
Drinking Fountains	Provided	2
Family or Assisted-	Required	1
Use Toilet	Provided	1
Compiler Circle	Required	1
Service Sink	Provided	1
	Required	
Others (list)	Provided	

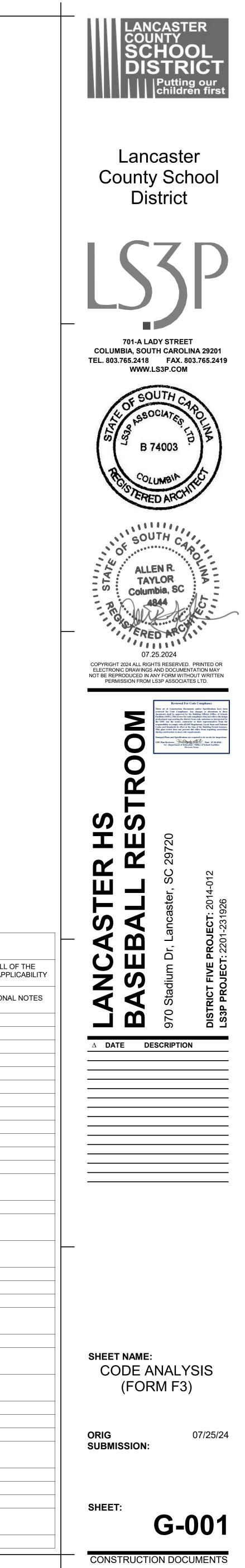
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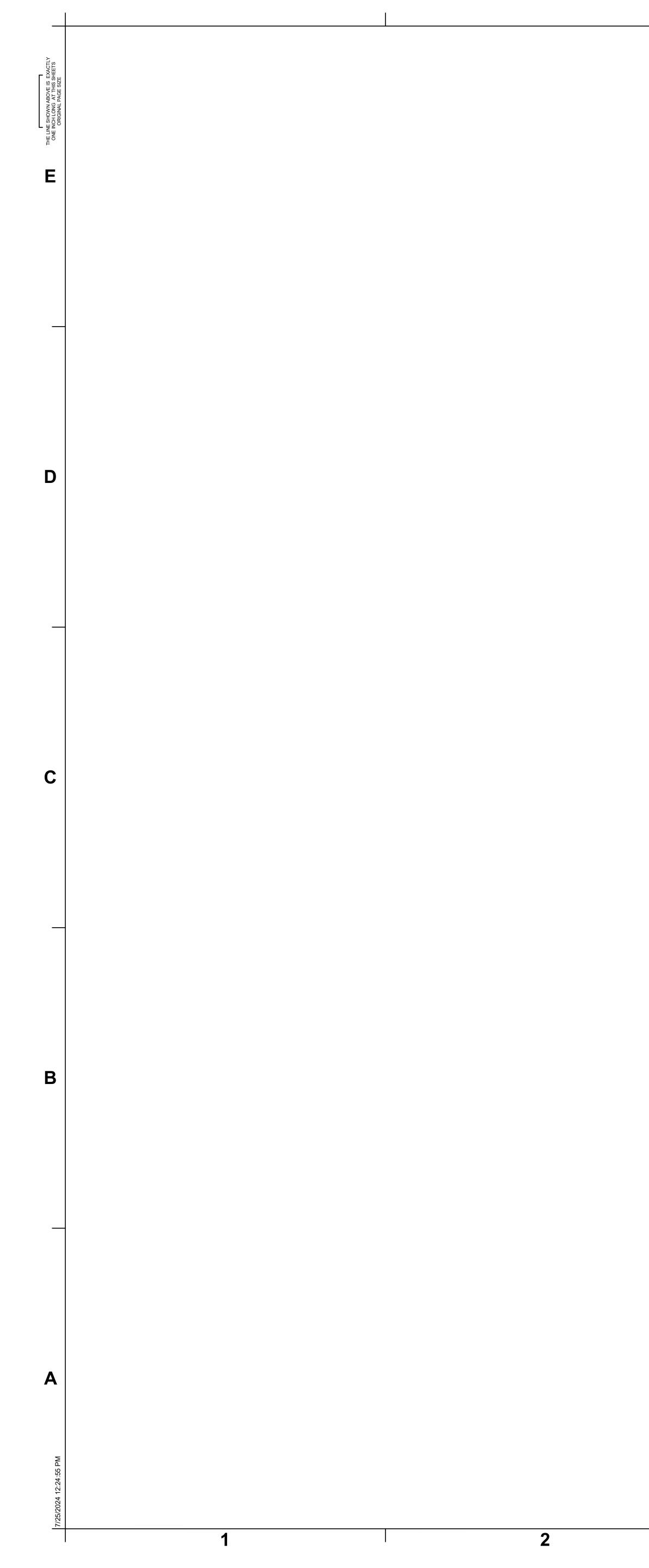
		Form F3 – Bu	ilding Code Analysis		
Summary of data from approve	ed ASHRAE	90.1 compliance	ELECTRICAL INFOR	RMATION	
sheets. MECHANICA	I INFORM	IATION		🛛 By Utility	
GENERAL INFORMATION		ATION	_ SERVICE _ TRANSFORMER		KVA Primary
Building Location			IKANSFUKWER	□ By District	Voltage/Phase
Climate Zone			ELECTRICAL SERVIC	F INFORMATION	
		96 deg F DB	Service Voltage/Phase	240V/1 PH	100 Amperes
Outdoor Design Temperature	Summer	77 deg F WB	Service Entrance Conductors Size	#3	1 Qty per Phase
outdoor Design Temperature	Winter	23 deg F DB	Total Connected Load		8 KVA
	winter	deg F WB	Estimated Maximum De	Estimated Maximum Demand	
	~	N/A deg F DB	Available Fault Current	Available Fault Current in Sym. Amperes	
	Summer	N/A % RH		Interrupting Capacity of Service Overcurrent Device	
Indoor Design Temperature		40 deg F DB	Grounding electrode system components		#8
	Winter	N/A % RH	(NEC 250)	(NEC 250) EMERGENCY SERVICE INFORMATION	
OUTSIDE AIR			EMERGENCY SERVIC	CE INFORMATIO	
			_	⊠ no □ yes	KVA
Occupied Minimum Outside Air	N/.	A cfm per person	Emergency Generator		Voltage/Phase
CO2 Demand Management		⊠ no □ yes	-	Fuel	
Ũ			Exit/Emergency Lights I	Backup Power	☐ Integral Battery
Supervised Control System		⊠ no □ yes		1	□ Generator
MECHANCIAL SYSTEMS, S	ERVICE SY	STEMS &			□ Addressable
EQUIPMENT Briefly describe mechanical system: Heat and exhaust only		Eine Alaure Constant MA	🗆 Manual	□ Class A	
		Fire Alarm System - NA	□ Automatic	□ Class B	
		LIGHTNING PROTECT	LIGHTNING PROTECTION PROVIDED		

DESIGN & CONSTRUCTION RELATED PERMITS & APPROVALS

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TYPE OF DEVELOPMENT	SC LAW OR REG.	WHERE TO OBTAIN PERMIT/APPROVAL	APPLICABILITY	ADDITIONA
AIR POLLUTANT DISCHARGE	48-1-100, R61-62.1	SCDHEC BUREAU OF AIR QUALITY	NO	
ASBESTOS ABATEMENT	R61-86.1	SCDHEC BUREAU OF AIR QUALITY	NO	
BUILDING CONSTRUCTION, ZONING	6-7-830, 6-9-110	LOCAL AUTHORITY	YES	
COMMUNITY RESIDENTIAL CARE FACILITIES	R61-84	SCDHEC HEALTHCARE FACILITIES LICENSING	NO	
CONSTRUCTION IN CRITICAL COASTAL AREAS	48-39-10, 130, 190	SCDHEC OCEAN & COASTAL RES. MGMT.	NO	
CONSTRUCTION IN NAVIGABLE WATERS	49-1-16	SCDHEC BUREAU OF WATER	NO	
DAMS AND RESERVOIRS	49-11-200; R72-1, 2, 3	SCDHEC BUREAU OF WATER	NO	
DEMOLITION OF REAL PROPERTY	R61-86.1	SCDHEC BUREAU OF AIR QUALITY	NO	
DESIGN REVIEW BOARD	VARIOUS LOCAL	VARIOUS LOCAL	NO	
EARLY CHILDHOOD DEVELOPMENT	R114-500	SCDSS CHILD CARE LICENSING	NO	
ELEVATORS	41-16-10, R71-5000-5900	SCLLR	NO	
FIRE DEPARTMENT (LOCAL)	VARIOUS LOCAL & STATE	SERVICING FIRE DEPARTMENT	YES	
FIRE, BUILDING AUTOMATIC SPRINKLER SYSTEM AND UNDERGROUND SUPPLY	40-10-260, R71-8300.4	STATE FIRE MARSHAL	NO	
FLOODPLAINS, CONSTRUCTION IN	EXEC. ORDER 82-19	SCDNR	NO	
FOOD SERVICE INCLUDING CONCESSIONS AND TEMPORARY	R61-25	SCDHEC STATE AND LOCAL OFFICE	YES	
HAZARDOUS WASTE MANAGEMENT, STORAGE AND DISPOSAL	44-56-20, 60, R.61-79	SCDHEC BUREAU OF LAND & WASTE MGMT.	NO	
HISTORICAL BUILDING REHABILITATION	R12-125, 126	ARCHIVES & HISTORY, LOCAL AUTHORITY	NO	
ROAD ENCROACHMENT, LOCAL ROAD	57-7-60	LOCAL CITY OR COUNCIL AUTHORITY	NO	
ROAD ENCROACHMENT, STATE ROAD	57-5-1080	SCDOT TRAFFIC ENGINEERING OFFICE	NO	
SANITARY SEWER, GREASE TRAP	VARIOUS LOCAL	LOCAL CITY OR COUNCIL WASTEWATER AUTHORITY	NO	
SANITARY SEWER, TREATMENT & DISPOSAL	R. 61-56, 57	SCDHEC BUREAU OF WATER	YES	
SEPTIC TANK SYSTEM	R. 61-56	SCDHEC BUREAU OF ENVIRONMENTAL HEALTH SERVICES	NO	
STORM WATER DISCHARGE, EROSION AND SEDIMENT CONTROL	R61-9; R72-100-108	SCDHEC BUREAU OF WATER; STATE ENGINEER; LOCAL AUTHORITY	YES	
SWIMMING AREAS, NATURAL PUBLIC	R61-50	SCDHEC BUREAU OF WATER	NO	
SWIMMING POOLS, PUBLIC	R61-51	SCDHEC BUREAU OF WATER	NO	
UNDERGROUND STORAGE TANKS	R61-92	SCDHEC BUREAU OF LAND & WASTE MGMT.	NO	
WASTE DISCHARGE (SEWAGE, INDUSTRIAL WASTE, ETC.	48-1-100, 110; R-61-9	SCDHEC BUREAU OF WATER	YES	
WATER SUPPLY, POTABLE	44-55-40; R-61-57, 58	SCDHEC BUREAU OF WATER	YES	
WATER SUPPLY, FIRE PROTECTION SYSTEM	40-10-260; R71-8300.4	STATE FIRE MARSHAL	NO	
WELLS, UNDERGROUND INJECTION	R61-71, 87	SCDHEC BUREAU OF LAND & WASTE MGMT.	NO	
VOCATIONAL FACILITIES	VARIOUS	SCLLR BOARD OF COSMETOLOGY, SCLLR BOARD OF BARBER EXAMINERS, SCDHEC FOOD SERVICE	NO	
ZONING (MUNICIPAL, COUNTY OR DISTRICT)	VARIOUS	LOCAL	NO	





SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION STATEMENT OF SPE MATERIAL Post Installed Anchors Post Installed Anchors

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Concrete
Concrete
Concrete

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Concrete	 	
Concrete	 	
Concrete		
Concrete	 	
Concrete	 	

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Masonry
Masonry
Masonry
Masonry
Masonry

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 & Section 1705 of the 2018 South Carolina Building Code. Any deviations from the requirements of Section 1704 and/or Section 1705 must be approved by OSF. Per SCBC 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.

TYPE OF INSPECTION	FREQUENCY	SPECIFICATIO N REFERENCE	INSPECTION BY
Installer Qualifications	Review installer training records to confirm they have received manufacturer training per the contract documents	1705.1.1 Special Cases	
Anchor Installation	Continuously inspect complete process of anchor installation in accordance with requirements of approved ICC ESR report. As minimum review installation procedures including drill bit type, drilling methods, hole preparation and cleaning, spacing, edge distance, embedment depth, adhesive installation, rod installation, curing time, and anchor torque to ensure compliance with manufacturer's instructions and construction documents. (All anchor holes must be inspected during drilling, all anchor holes must be inspected prior to anchor installation, all anchors shall be inspected at final application of required torque)	1705.1.1 Special Cases	
	17 of 21		

T		n F3 – Building Code Analysis	1705.2.0	
		J I 5	1705.3 Concrete	
steel, inc	0	F	Construction	
-		documents and approved shop drawings to		
placemen		confirm size, spacing, cover, positioning,		
		bends, grade, laps, supports and anchorage.		
		(100% inspection rate immediately prior		
		to placing concrete)		
		Review installer training records to confirm		
		9	Construction	
		per the contract documents.		
		Continuously inspect complete process of		
		anchor installation in accordance with		
		requirements of approved ICC ESR report.		
		As minimum review installation procedures		
		including drill bit type, drilling methods,		
Inspectic		hole preparation and cleaning, spacing,		
in concre	ata	edge distance, embedment depth, adhesive		
in concre		installation, rod installation, curing time,		
		and anchor torque to ensure compliance		
		with manufacturer's instructions and		
		construction documents.		
		(All anchor holes must be inspected		
		during drilling, all anchor holes must be		
		inspected prior to anchor installation, all		
		anchors shall be inspected at final		
		application of required torque)		
		Review installer training records to confirm	1705.3 Concrete	
		they have received manufacturer training	Construction	
		per the contract documents.		
Inspectio	on of anchors	Continuously inspect complete process of		
post-inst	alled in hardened	anchor installation in accordance with		
concrete		requirements of approved ICC ESR report.		
		As minimum review installation procedures		
		including drill bit type, drilling methods,		
		hole preparation and cleaning, spacing,		
1		18 of 21		Version April 2021

Forn	n F3 – Building Code Analysis		
	construction documents.		
	(All anchor holes must be inspected		
	application of required torque)		
		1705.3 Concrete	
		Construction	
	which concrete is being placed		
ritying use of required			
sign mix	Periodically verify that water added at the		
	site does not exceed that allowed by the		
	batch ticket		
	(100% inspection rate during concrete		
	placement)		
mple fresh concrete to	Continuously test concrete compressive	1705.3 Concrete	
ricate specimens for	strength (ASTM C31 & C39), slump	Construction	
ength tests, perform	(ASTM C143), air-content (ASTM C231 or		
mp and air content	C173) and temperature (ASTM C1064).		
ts, and determine the	(Frequency of sampling and testing as		
nperature of concrete	required by section 5.6.2 of ACI 318)		
pection of concrete for	Continuously inspect concrete placement	1705.3 Concrete	
		Construction	
hniques	sections 5.9 and 5.10 of ACI 318.		
pection for	Periodically inspection curing temperatures	1705.3 Concrete	
		Construction	
	and techniques to insure compliance with	Construction	
intenance of specified	and techniques to insure compliance with contract documents and sections 5.11-5.13	Construction	
	ifying use of required ign mix nple fresh concrete to ricate specimens for ngth tests, perform np and air content s, and determine the perature of concrete pection of concrete for per application miques	 design is being used for the location in which concrete is being placed (100% review rate during concrete placement) Periodically verify that water added at the site does not exceed that allowed by the batch ticket (100% inspection rate during concrete placement) Periodically verify that water added at the site does not exceed that allowed by the batch ticket (100% inspection rate during concrete placement) Pople fresh concrete to ricate specimens for ngth tests, perform np and air content s, and determine the perature of concrete prequired by section 5.6.2 of ACI 318) Continuously inspect concrete placement techniques to confirm compliance with sections 5.9 and 5.10 of ACI 318. 	edge distance, embedment depth, adhesive installation, rod installation, curing time, and anchor torque to ensure compliance with manufacturer's instructions and construction documents. (All anchor holes must be inspected during drilling, all anchor holes must be inspected prior to anchor installation, all anchors shall be inspected at final application of required torque)1705.3 Concrete Construction Construction ConstructionPeriodically review batch tickets to confirm the appropriate approved mix design is being used for the location in which concrete is being placed (100% review rate during concrete placement) Periodically verify that water added at the site does not exceed that allowed by the batch ticket (100% inspection rate during concrete placement)1705.3 Concrete Constructionnple fresh concrete to ricate specimens for ngth tests, perform mp and air content s, and determine the perature of concreteContinuously test concrete placement (ASTM C143), air-content (ASTM C1064). (Frequency of sampling and testing as

CATION				
		n F3 – Building Code Analysis		
	for shape, location and dimensions of concrete		1705.4 Masonry Construction	
	Verify compliance with approved submittals	confirm the appropriate approved grout mix design is being used. (100% review rate during grout placement) Periodically review mortar materials to confirm compliance with approved submittals. (A minimum of once weekly during masonry construction)		
	Verify proportions of site prepared mortar	Periodically inspect proportioning, mixing and re-tempering of mortar. (A minimum of once daily during masonry construction)	1705.4 Masonry Construction	
	mortar joints	Periodically inspect construction of mortar joints including tooling and filling of head joints. (100% inspection rate a minimum of once daily during masonry construction)	1705.4 Masonry Construction	
	reinforcement and connectors	inspection rate a minimum of once daily during masonry construction) Periodically inspect size, grade and type of reinforcing. (100% inspection rate a minimum of once daily during masonry construction)	1705.4 Masonry Construction	
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	Continuously inspect placement positioning and lapping of joint reinforcement.		
	reinforcement		
	remitireement.		
	(100% Inspection rate – inspector shall		
	be in the area of masonry work to		
	monitor installation)		
	Periodically inspect size, grade, type and		
	location of anchor rods and embeds.		
		1705.4 Masonry	
Inspect Grout Space			
Verify protection of		1705.4 Masonry	
5 1			
, .		Construction	
		1705 4 Masonry	
		Construction	
provisions			
	F		
Evaluation of grout		1705 4 Masonry	
e			
	Inspect Grout Space Verify protection of masonry during hot/cold weather Verify grout placement complies with code and construction document provisions Evaluation of grout Strength	Inspect Grout SpaceInspect Grout SpacePeriodically inspect the size and location of structural elements to comply with contract drawings. (100% inspection rate a minimum of once daily during applicable portion of the work)Verify protection of masonry during hot/cold weatherPeriodically inspect protection of masonry during hot/cold weatherVerify grout placement complies with code and construction document provisionsPeriodically verify that all wall cavities are protected against precipitation. (100% inspection rate a minimum of once daily during applicable portion of the work)Verify grout placement complies with code and construction document provisionsContinuously inspect placement, consolidation and reconsolidation of grout. (100% inspection rate)Continuously verify grouting and grout consolidation procedures are in accordance with code and contract document provisions. (100% inspection rate)Evaluation of groutContinuously Test compressive strength of	Inspect Grout SpaceIocation of anchor rods and embeds. (100% inspection rate a minimum of once daily during masonry construction)1705.4 MasonryInspect Grout SpacePeriodically inspect the size and location of structural elements to comply with contract drawings. (100% inspection rate a minimum of once daily during applicable portion of the work)1705.4 MasonryVerify protection of masonry during hot/cold weatherPeriodically inspect protection of masonry during cold weather (temperature below 40 deg F) or hot weather (temperature below 40 deg F)1705.4 MasonryVerify grout placement complies with code and construction document provisionsContinuously inspect placement, consolidation and reconsolidation of grout consolidation procedures are in accordance with code and contract document provisions. (100% inspection rate)1705.4 Masonry ConstructionEvaluation of grout StrengthContinuously inspect placement, consolidation procedures are in accordance with code and contract document provisions. (100% inspection rate)1705.4 Masonry ConstructionEvaluation of grout StrengthContinuously rest compressive strength of grout samples (ASTM C1019).1705.4 Masonry Construction

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		m F3 – Building Code Analysis (Sample and test grout for every 5000 sq ft. of wall, but not less than one set of samples for each day's worth of grouting)		
Wood	Inspection of High-Load Diaphragms	 Periodically inspect wood structural panel diaphragms to verify the sheathing material thickness and grade complies with the requirements of the construction documents. (100% inspection rate) Periodically inspect nominal size of wood framing members at adjoining panel edges, blocking as specified at panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners at each line and at edge margins agrees with construction documents. (100% inspection rate) 		
Soils	shallow foundations are adequate to achieve the	Periodically inspect soils within building footprint for adequate bearing capacity and consistency with the geotechnical report. (100% inspection rate)	1705.6 Soils	
Soils	Verify excavations are	Periodically inspect all footing excavations to ensure they are to proper depth and have reached proper material as indicated on contract documents and/or geotechnical report. (100% inspection rate immediately prior to placement to reinforcing steel for foundations) Periodically inspect all unsuitable material excavations to ensure they are to proper 22 of 21	1705.6 Soils	

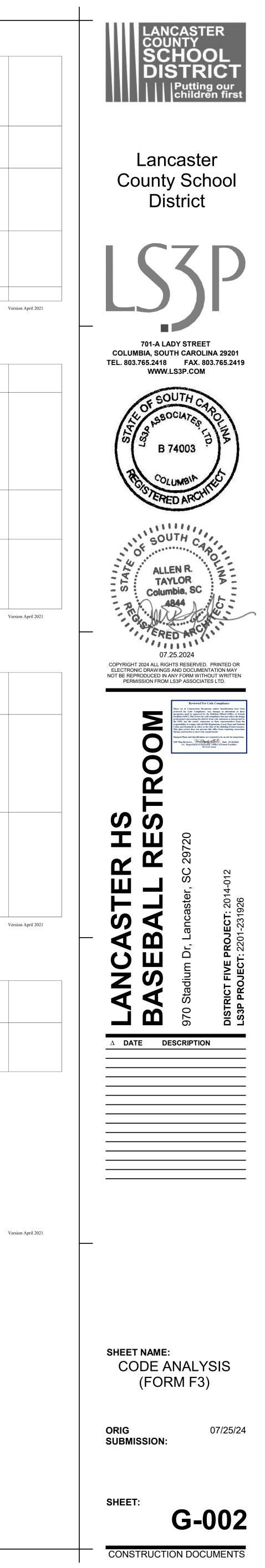
SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

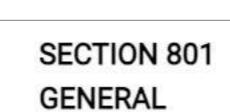
		n F3 – Building Code Analysis depth and have reached proper material as	
		indicated on contract documents and/or	
		geotechnical report.	
		(100% inspection rate of all areas of	
		unsuitable fill removal immediately prior	
		to placement of fill)	
Soils		Periodically perform testing of fill	1705.6 Soils
		materials to ensure compliance with	
		contract documents and geotechnical report.	
		Classification and testing shall be in	
		accordance with the Geotechnical report.	
		Where the geotechnical report does not	
	Perform classification	specifically indicate testing, the minimum	
	testing of compacted fill	testing shall be sieve tests (ASTM D422 &	
	materials.	D1140) and Standard Proctor tests (ASTM	
		D98).	
		(Testing shall be completed for each	
		source of material, or where obvious	
		changes of properties of fill materials are	
		realized)	
oils		Continuously verify materials for	1705.6 Soils
		compacted fill to ensure materials have	
		been previously tested and are in	
		compliance with the contract documents	
		and geotechnical report. (100% inspection	
	Verify use of proper	rate)	
	materials, densities and	Periodically test density of each lift of fill	
	lift thicknesses during	within the building footprint to confirm	
	placement and	compliance with compaction requirements	
	compaction of compacted	outlined in the contract documents and	
	fill	geotechnical report.	
		(Where inspection rates are not indicated	
		in the geotechnical report, not less than	
		one test per each lift per 2000 sq ft of fill	
		placed)	

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		Continuously verify lift thicknesses are		
		during placement of compacted fill to		
		ensure lift thickness is in compliance with		
		the contract documents and geotechnical		
		report.		
		(100% inspection rate)		
Soils		J J B B	1705.6 Soils	
	compacted fill, inspect	building footprint prior to placement of		
		compacted fill to ensure subgrade complies		
	the site has been prepared	with contract documents and geotechnical		
	properly.	report.		
		(100% inspection rate of all areas		
		immediately prior to placement of fill)		

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801.1 Scope.

Level 2 alterations as described in Section 603 shall comply with the requirements of this chapter. Exception: Buildings in which the reconfiguration is exclusively the result of compliance with the accessibility requirements of Section 306.7.1 shall be permitted to comply with Chapter 7.

801.2 Alteration Level 1 compliance.

In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7.

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AN ACT TO AMEND THE CODE OF LAWS OF SOUTH CAROLINA, 1976, BY ADDING SECTION 59-23-245 SO AS TO REQUIRE MINIMUM NUMBERS OF TOILETS AND LAVATORIES AT MIDDLE SCHOOL STADIUMS AND HIGH SCHOOL STADIUMS BASED ON GENDER AND SEATING CAPACITY, AND TO PROVIDE THESE STANDARDS APPLY NOTWITHSTANDING OTHERWISE APPLICABLE BUILDING CODES AND PLUMBING CODES. Whereas, South Carolina adopts building codes to maintain reasonable and consistent standards of construction in buildings and other structures in the State in order to protect the public health, safety, and welfare of its citizens; and Whereas, the South Carolina General Assembly finds current building codes and plumbing codes that specify the minimum number of water closets and lavatories for football stadiums causes an undue financial burden on our public schools, and consequently must be revised. Now, therefore, Be it enacted by the General Assembly of the State of South Carolina: Fixture ratios based on gender and facility capacity established, exempted from other building and plumbing codes SECTION 1. Article 2, Chapter 23, Title 59 of the 1976 Code is amended by adding: "Section 59-23-245. (A) Notwithstanding applicable national, state, or local building codes, plumbing codes, school building regulations, or other provisions of law relating to the minimum numbers of required plumbing fixtures for stadiums in middle schools and high schools based on occupancy and use, the minimum number of: (1) toilets for male restrooms required for a stadium are: (a) one per two hundred for the first fifteen hundred occupancy; (b) one per two hundred fifty for the next fifteen hundred occupancy; and Therefore, the facility has a maximum occupancy of (c) one per five hundred for the remainder occupancy; (2) toilets for female restrooms required for a stadium are: 400 occupants before additional toilets and lavatories (a) one per one hundred for the first one thousand five hundred twenty occupancy; are needed. (b) one per one hundred fifty for the next one thousand five hundred twenty occupancy; and (c) one per three hundred for the remainder occupancy; (3) lavatories for male restrooms required for a stadium are one per three hundred; and (4) lavatories for female restrooms required for a stadium are one per three hundred. (B) The provisions of this section apply to all middle school stadiums and high school stadiums built or renovated after the effective date of this act and all middle school stadiums in existence or in the process of being planned, constructed, or renovated on the effective date of this act. However, a stadium that is being renovated but is not replacing existing seating or adding new seating may not be required to add water closets or lavatories to conform to the provisions of this section or any other applicable building code, plumbing code, school building regulations, or another provision of law. For a stadium that is being renovated to replace existing or add new seating, the plumbing fixtures requirements apply only to the number of new seats being added or replaced. (C) To determine the occupant load of each sex, the total occupant load must be divided in half. To determine the required number of fixtures, the fixture ratio or ratios for each fixture type must be applied to the occupant load of each sex in accordance with subsection (A). Fractional numbers resulting from applying the fixture ratios must be rounded up to the next whole number. For calculations involving multiple occupancies, such fractional numbers for each occupancy first must be summed and then rounded up to the next whole number. However, the total occupant load must not be required to be divided in half where approved statistical data indicates a distribution of the sexes of other than fifty percent of each sex."

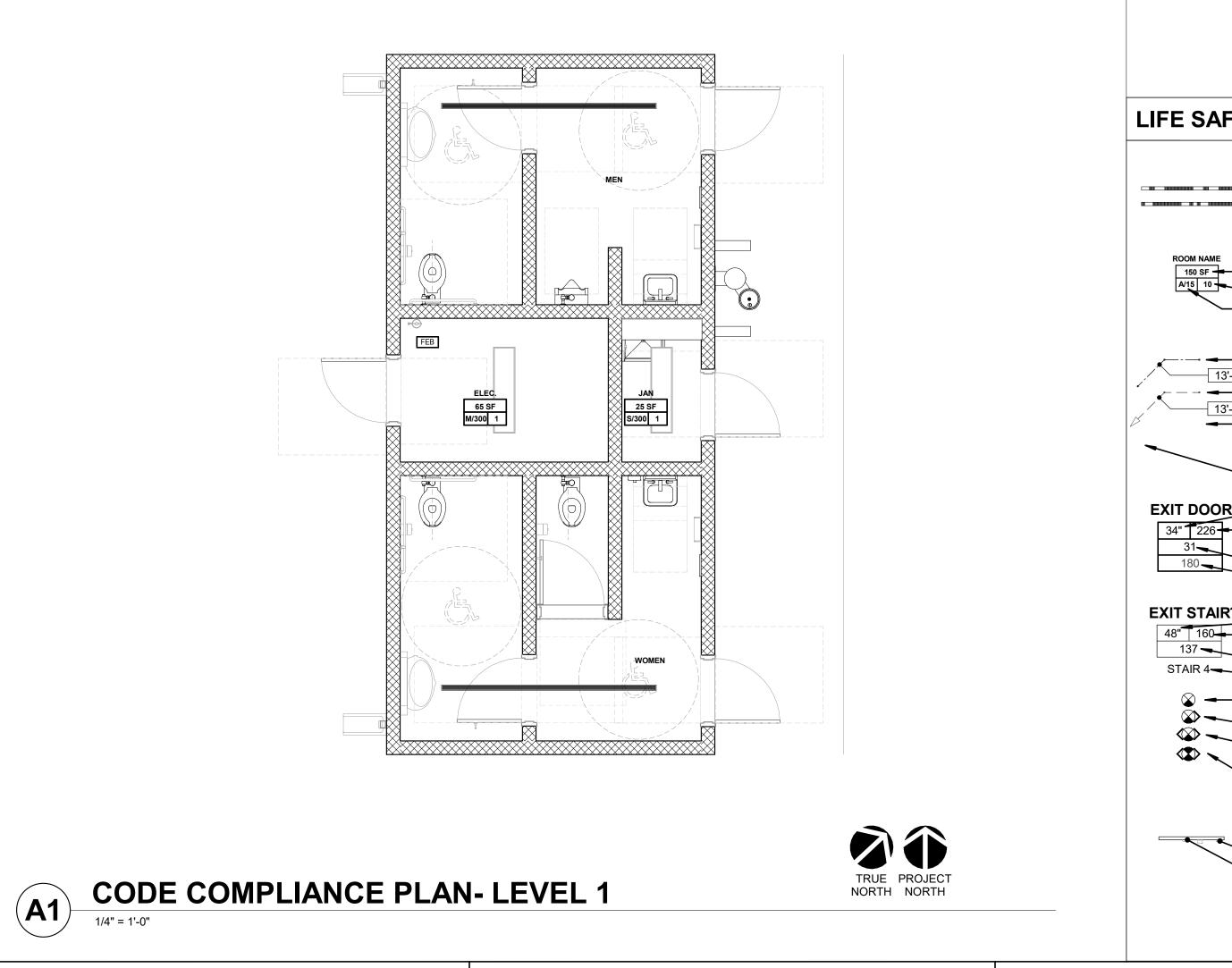
Time effective

SECTION 2. This act takes effect upon approval by the Governor and is applicable to any existing facilities and future facilities.

Ratified the 4th day of May, 2017.

Approved the 9th day of May, 2017.

2



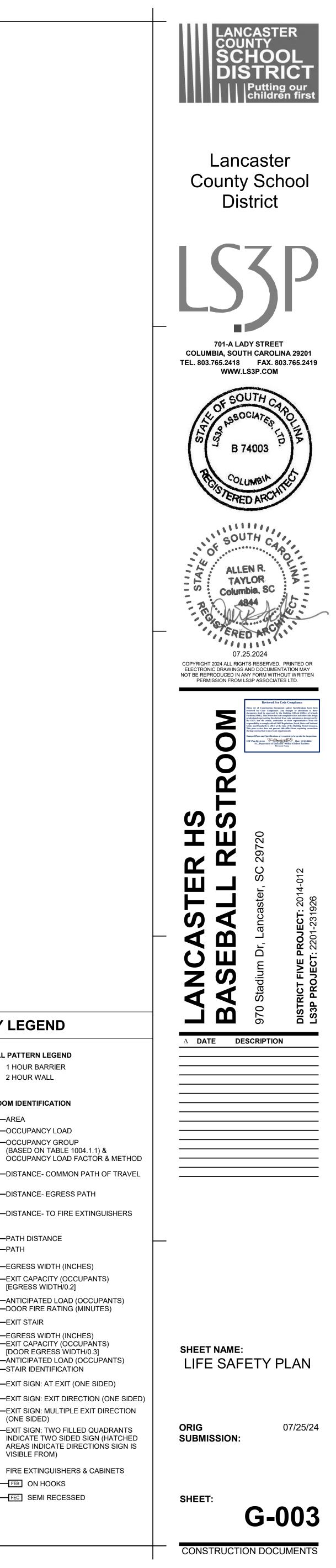
LIFE SAFETY LEGEND

FILL PATTERN LEGEND

1 HOUR BARRIER
2 HOUR WALL
OM IDENTIFICATION
-AREA
-OCCUPANCY LOAD
-OCCUPANCY GROUP
(BASED ON TABLE 1004.1.1) (
OCCUPANCY LOAD FACTOR
-DISTANCE- COMMON PATH (
-DISTANCE- EGRESS PATH
-DISTANCE- TO FIRE EXTINGL
-PATH DISTANCE
–PATH
-EGRESS WIDTH (INCHES)
-EXIT CAPACITY (OCCUPANTS
[EGRESS WIDTH/0.2]
-ANTICIPATED LOAD (OCCUP) -DOOR FIRE RATING (MINUTE
Υ.
–EXIT STAIR
-EGRESS WIDTH (INCHES)
-EXIT CAPACITY (OCCUPANTS
[DOOR EGRESS WIDTH/0.3]
-ANTICIPATED LOAD (OCCUP)
-STAIR IDENTIFICATION
-EXIT SIGN: AT EXIT (ONE SID
-EXIT SIGN. AT EXIT (ONE SID
-EXIT SIGN: EXIT DIRECTION (
-EXIT SIGN: MULTIPLE EXIT DI
(ONE SIDED)
-EXIT SIGN: TWO FILLED QUA
INDICATE TWO SIDED SIGN (
AREAS INDICATE DIRECTION
VISIBLE FROM)

FEB ON HOOKS

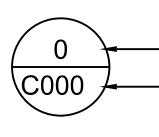
FEC SEMI RECESSED



PROJECT: LANCASTER HIGH SCHOOL **BASEBALL FIELD RESTROOMS** 970 STADIUM DRIVE LANCASTER, SOUTH CAROLINA





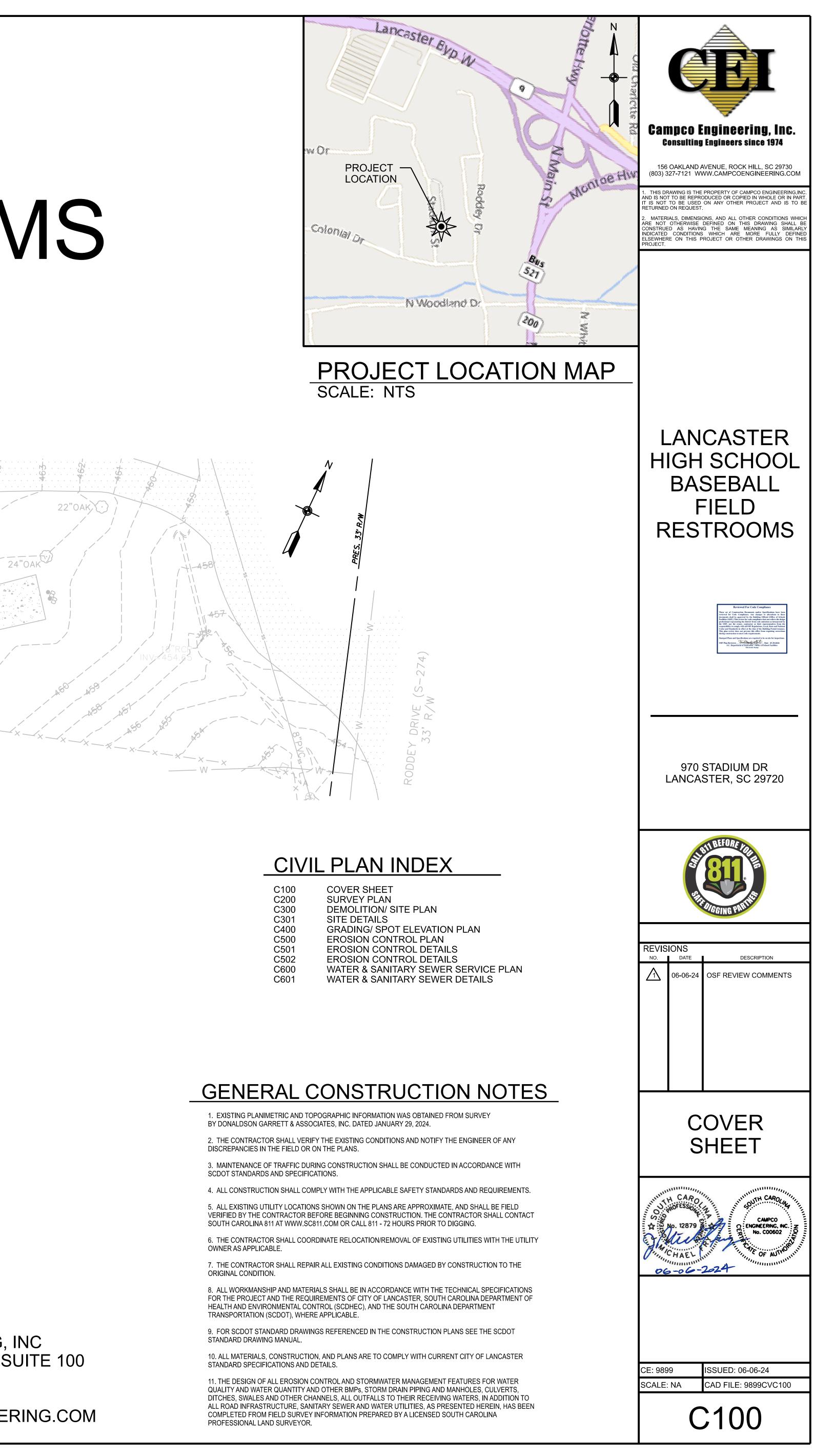


- DETAIL NUMBER SHEET NUMBER OF DETAIL LOCATION

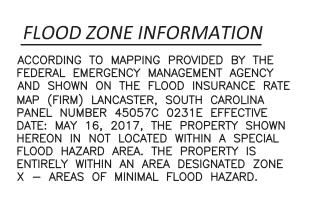
OWNER LANCASTER COUNTY SCHOOL DISTRICT 300 S. CATAWBA STREET LANCASTER, SC 29720 P: (803) 416-8806 WWW.LANCASTERCSD.COM

CIVIL ENGINEER

CAMPCO ENGINEERING, INC 156 OAKLAND AVENUE, SUITE 100 ROCK HILL, SC 29730 P: (803) 327-7121 WWW.CAMPCOENGINEERING.COM



C100	COVER SHEET
C200	SURVEY PLAN
C300	DEMOLITION/ SITE PLAN
C301	SITE DETAILS
C400	GRADING/ SPOT ELEVATION PLAN
C500	EROSION CONTROL PLAN
C501	EROSION CONTROL DETAILS
C502	EROSION CONTROL DETAILS
C600	WATER & SANITARY SEWER SERVICE PLAN
C601	WATER & SANITARY SEWER DETAILS
C601	WATER & SANITARY SEWER DETAILS





THIS DOCUMENT WAS CREATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED AND ORIGINALLY SIGNED BY A REGISTERED LAND SURVEYOR OF DONALDSON, GARRETT AND ASSOCIATES, INC.

- DONALDSON, GARRETT & ASSOCIATES, INC. AND THE LAND SURVEYOR WHOSE SEAL IS AFFIXED HEREON DO NOT GUARANTEE THAT ALL EASEMENTS WHICH MAY AFFECT THIS PROPERTY ARE SHOWN.
- 7. ONE FOOT CONTOUR INTERVALS SHOWN. ELEVATIONS ARE TIED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 - GEOID 18).
- 5. ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES STATE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE BEGINNING ANY CONSTRUCTION OR BORINGS, CONTACT THE UTILITIES PROTECTION CENTER AT 1-888-721-7877. 6. THIS SURVEY IS REFERENCED TO THE SC STATE PLANE COORDINATE SYSTEM, NAD 83(2011).
- 4. UNADJUSTED RATIO OF PRECISION 1:120,066.
- 3. DISTANCES SHOWN HEREON ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
- THE TAX PARCEL IDENTIFICATION NUMBER FOR THE PARENT PROPERTY IS 0067E-0A-040.00..
- 1. THERE IS NO PUBLISHED STREET ADDRESS FOR THE SUBJECT AREA OR ITS PARENT PARCEL.
- NOTES

GRAVEL

LEGEND

WOODS LINE

FENCE LINE

EXISTING CONTOUR LINE

OVERHEAD POWER LINE

SANITARY SEWER LINE

OVERHEAD POWER & TELEPHONE

UNDERGROUND TELEPHONE LINE

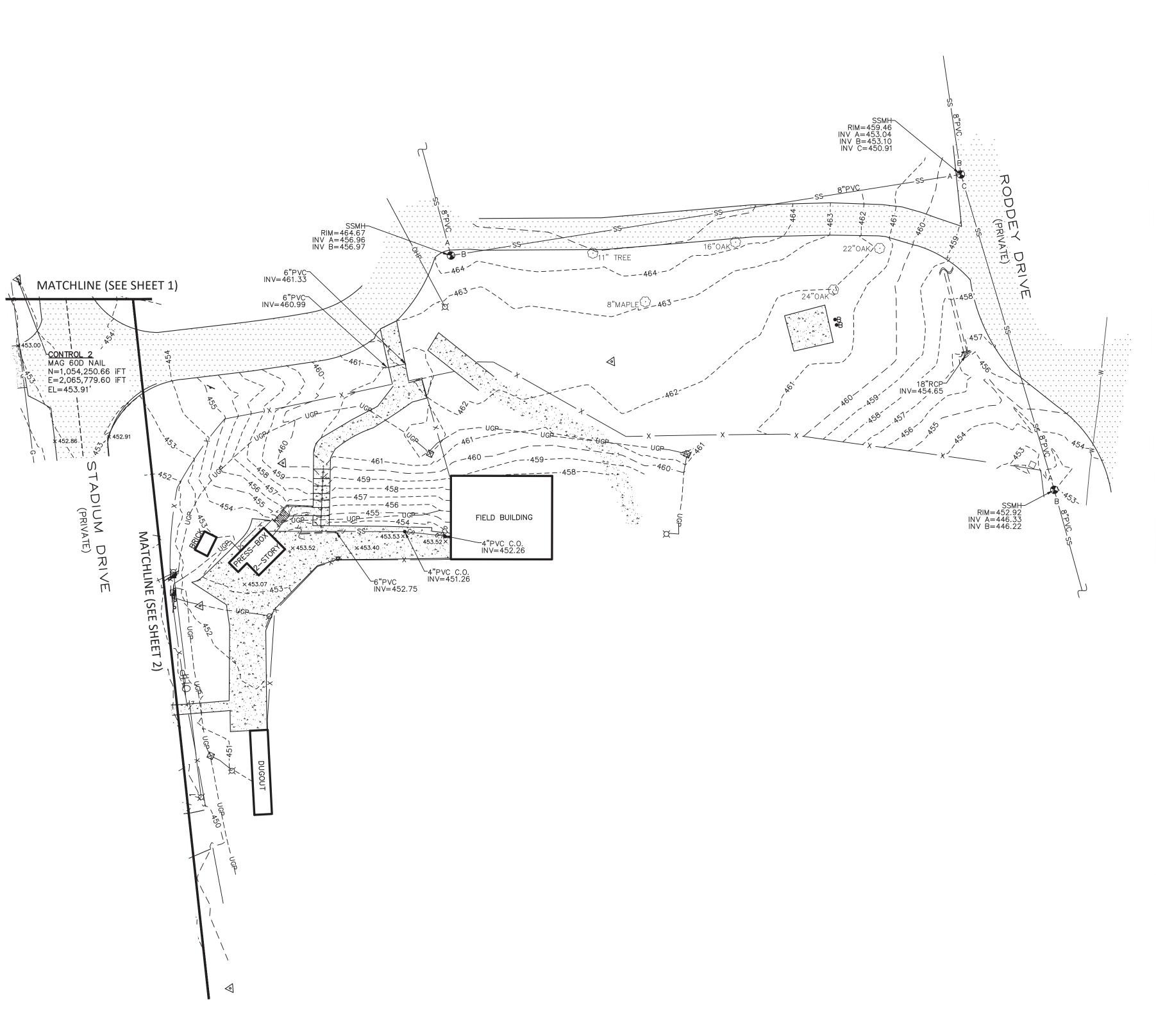
UNDERGROUND POWER LINE

STORM SEWER LINE UTILITY POLE/GUY WIRE LIGHT POLE TELEPHONE PEDESTAL ELECTRIC/POWER METER ELECTRIC JUNCTION BOX WATER METER IRRIGATION CONTROL VALVE FIRE HYDRANT GAS MARKER GAS VALVE SANITARY SEWER MANHOLE CLEANOUT BOLLARD SPOT ELEVATION TREE (SIZE/TYPE NOTED) ASPHALT CONCRETE

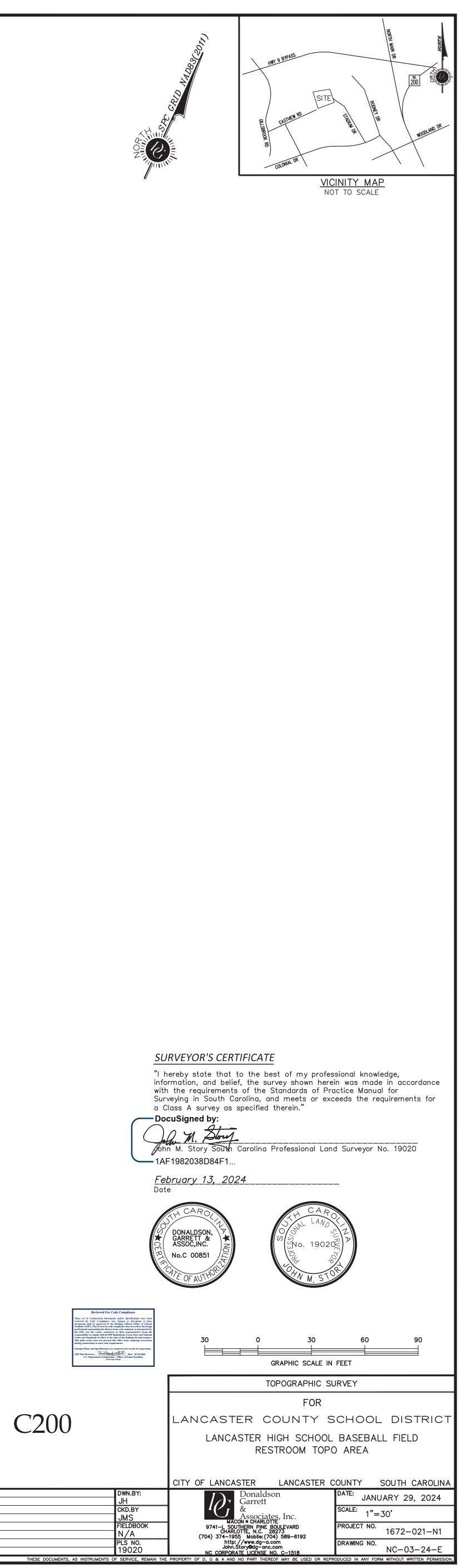
______451_____ _____ OHP_____ — OHP,T——— _____ _____ UGP_____ UGP____ _____ UGT__ ___ UGT____ ______SS______ _ _ _ _ _ _ _ _ _ 18" RCP_ _ _ _ _ _ _ _ Ø- – – + E ΠEB θ ∕CICV , Ç Θ 🕒 SSMH ОСО ОВ X 451.25 \odot

_____ X _____ X _____

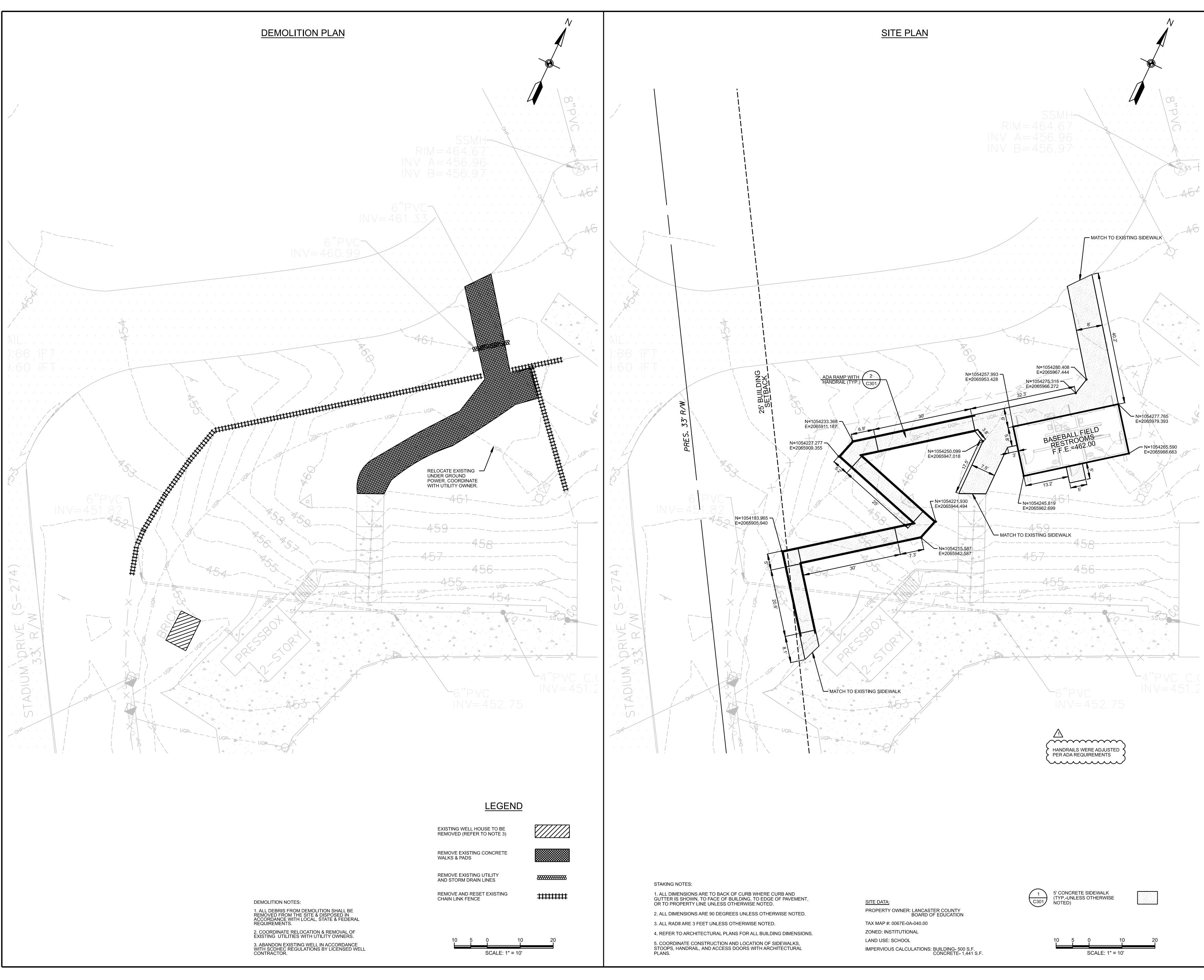


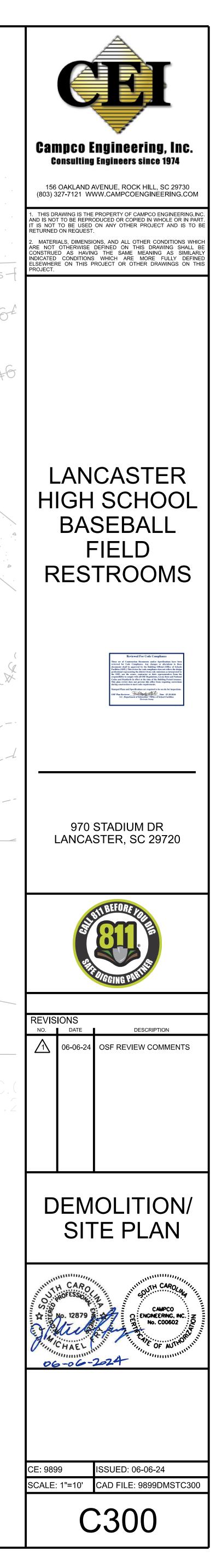


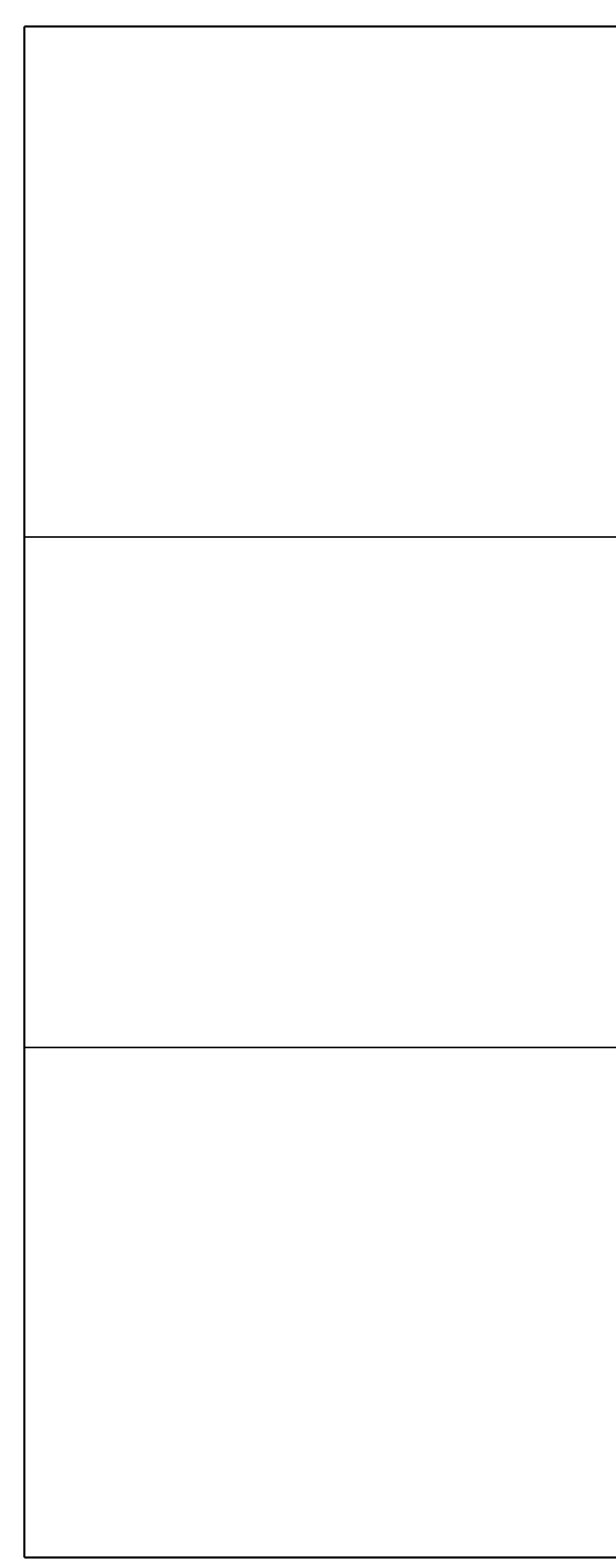


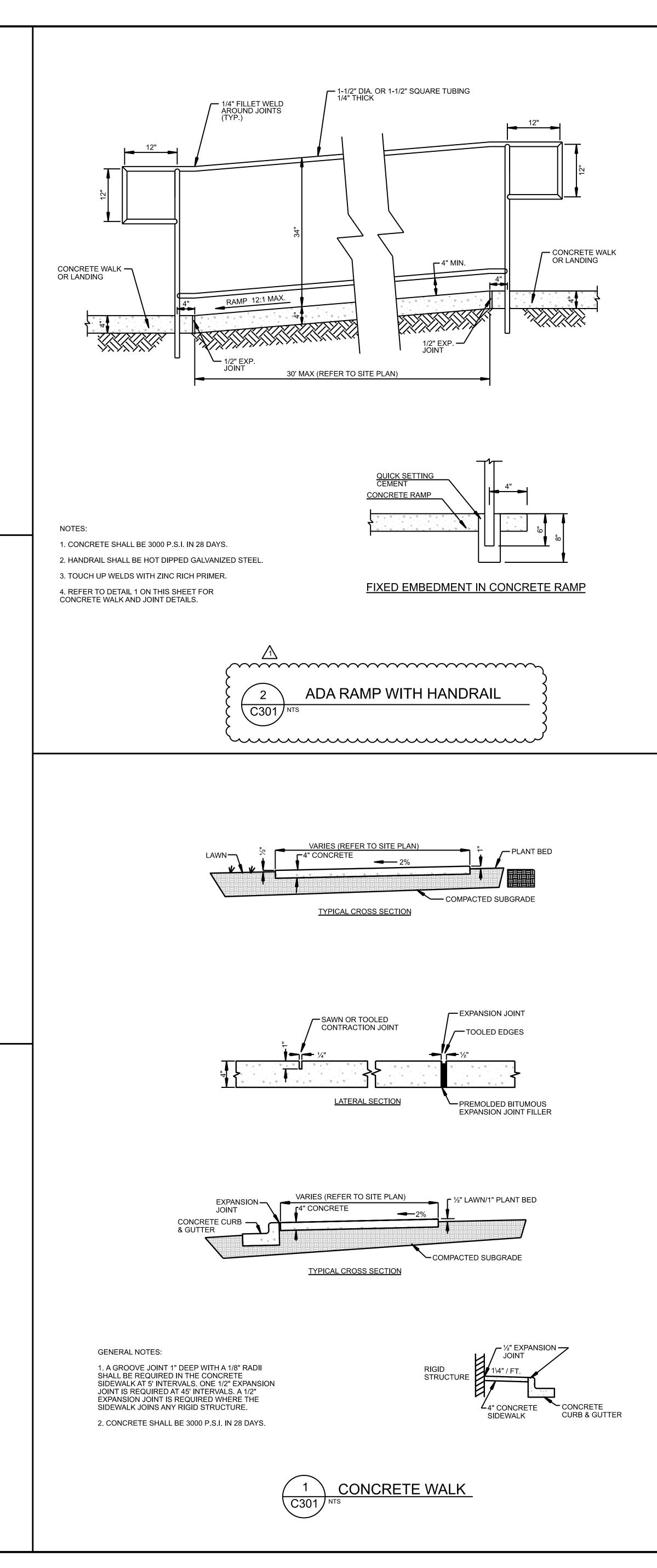


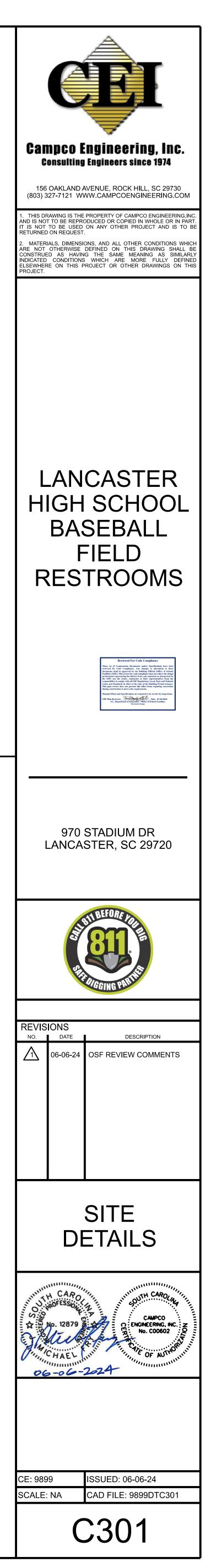
S:\Working\1672-Campco Engineering, Inc\035 (N1657) Lancaster HS Baseball Field Restrooms Topo\Drawing\N1657 Stadium_Dr_Ball Field-SHEET40F4 (30X42) 02.13..2024.dwg 2/13/2024 7: 39: 08 PM BY: JOHN STOR

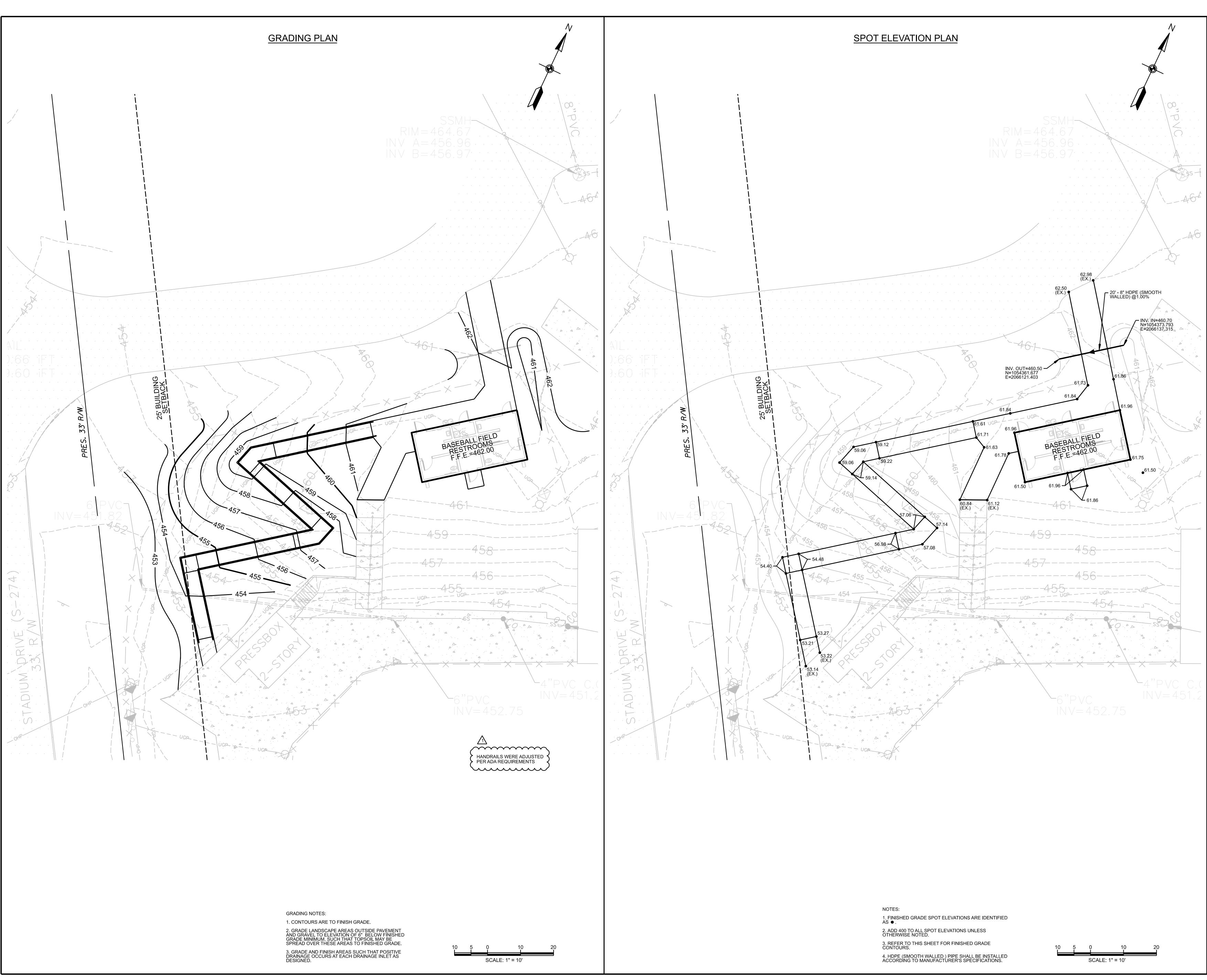


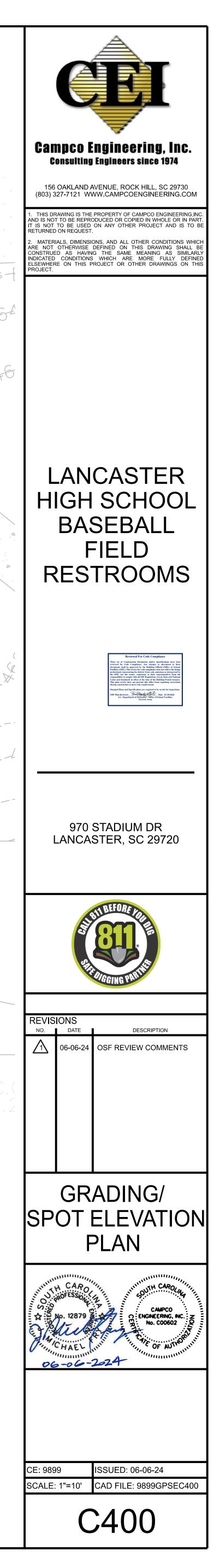


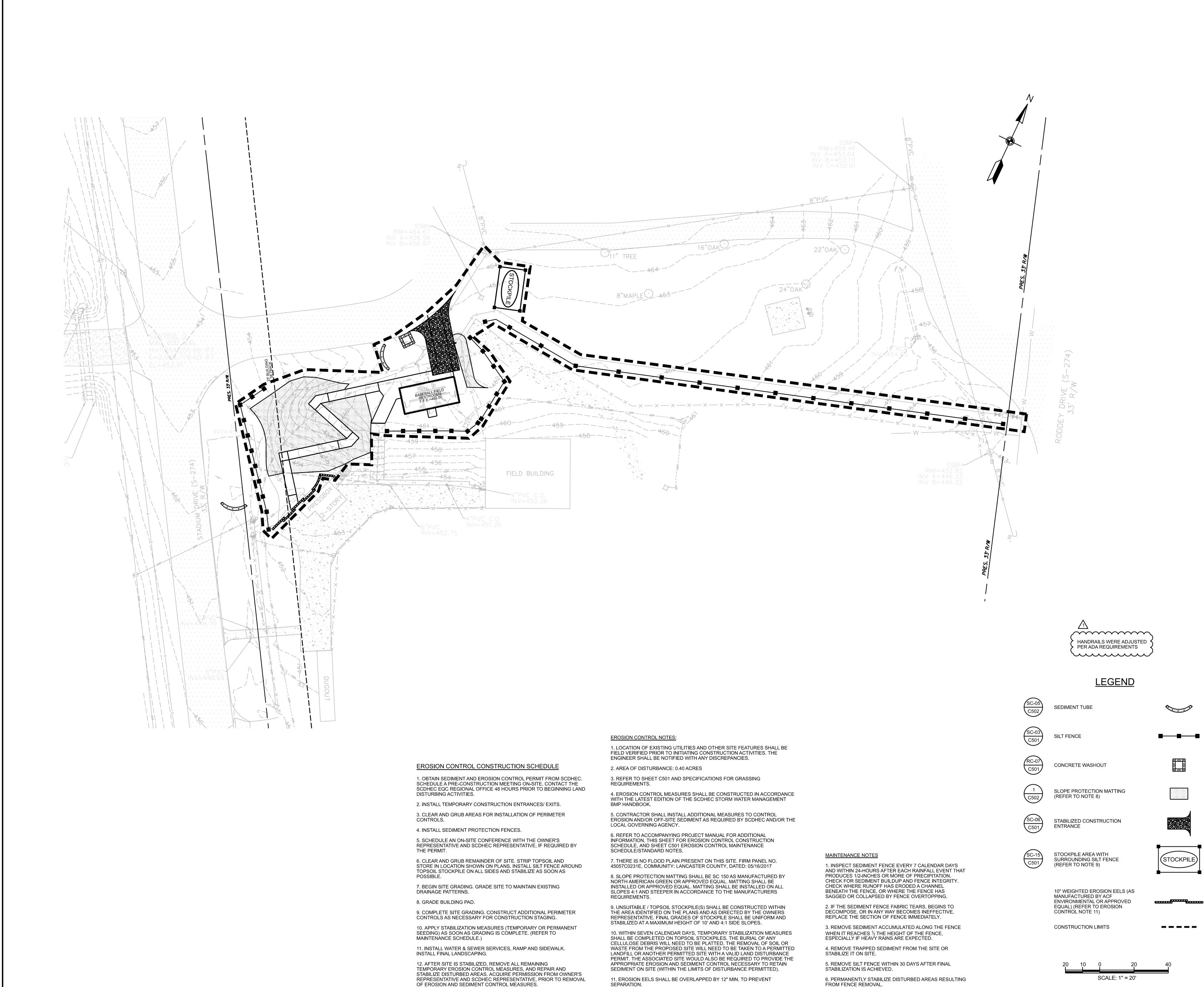




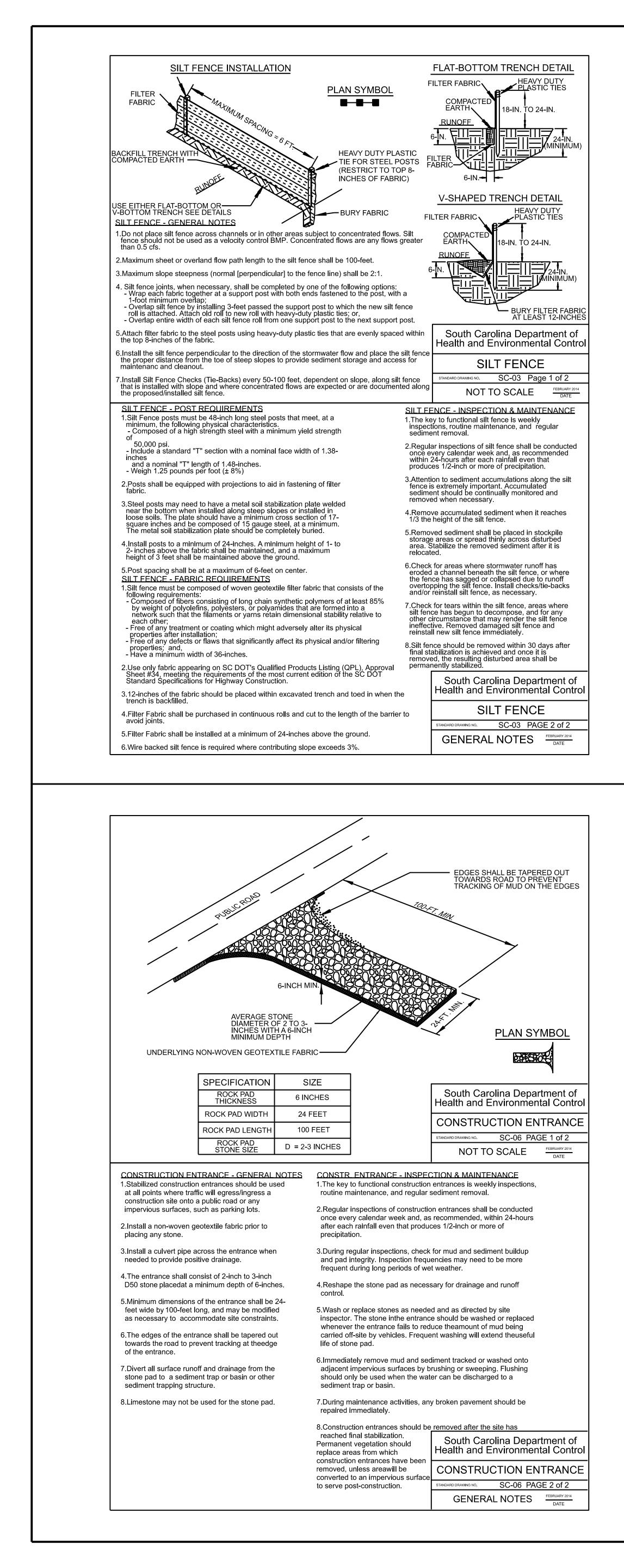














225 GAL./AC ASPHALT TIE-DOWN WORK LIME FERTILIZER INTO SOIL 3" TO 4" DEEP. NOTE: IN AREAS THAT WILL NOT BE WELL MAINTAINED, ALSO ADD 50 LBS./AC UNSCARIFIED SERICEA LESPEDEZA (AUGUST THROUGH NOVEMBER) OR 40 LBS /AC SCARIFIED SERICEA LESPEDEZA (DECEMBER THROUGH JULY).

1-1/2T /AC STRAW MULCH

4000LBS./AC AGRICULTURAL LIME 1000LBS./AC 10-10-10 FERTILIZER 500 LBS./AC 0-20-0 SUPERPHOSPHATE

350 LBS./AC REBEL FESCUE

SEEDING REQUIREMENTS: (SEED IN ACCORDANCE WITH THE FOLLOWING APPLICATION RATES)

6-INCHES DEEP.

AND 85% MINIMUM GERMINATION AND BE FREE OF NOXIOUS WEED SEEDS.

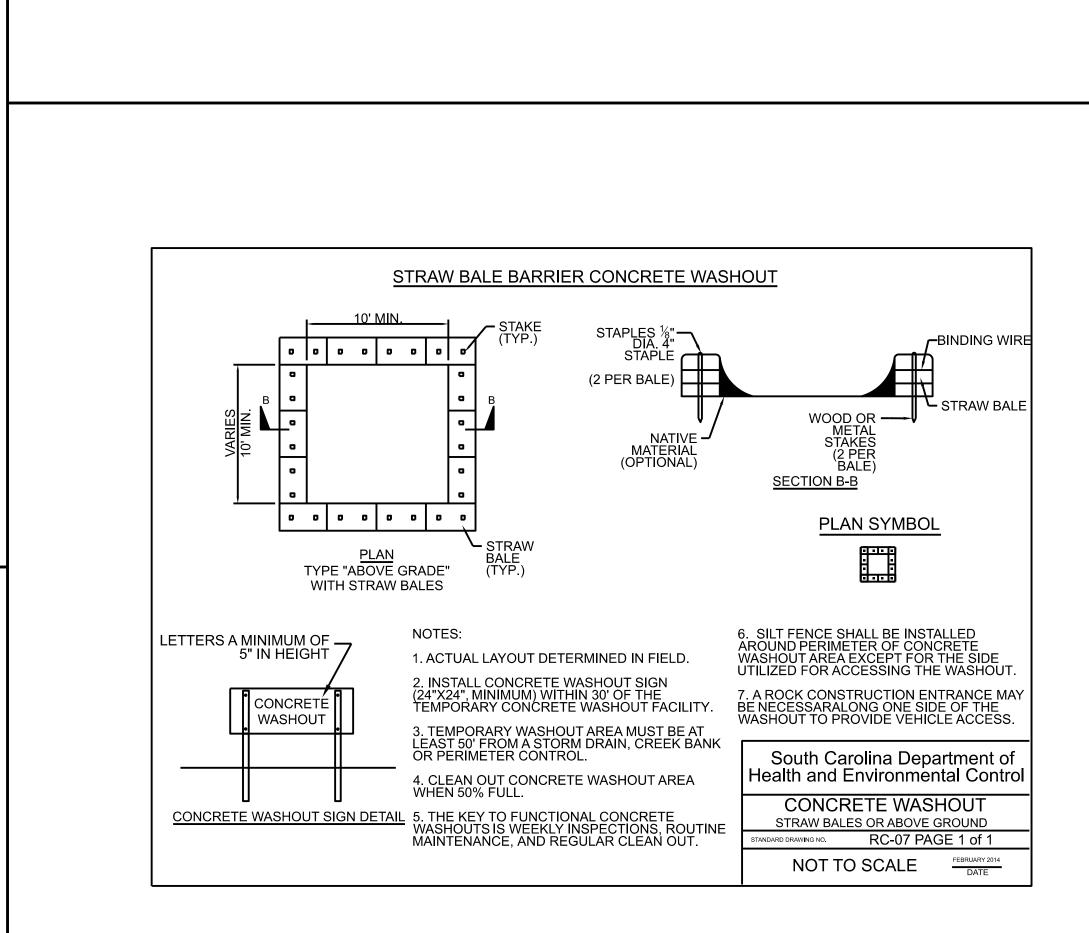
4. FERTILIZER AND LIME TO BE APPLIED UNIFORMLY AND MIXED WITH SOIL DURING SEEDBED PREPARATION. 5. GRASS SEED SHALL BE "REBEL" FESCUE MIXTURE WITH A 97% MINIMUM PURITY

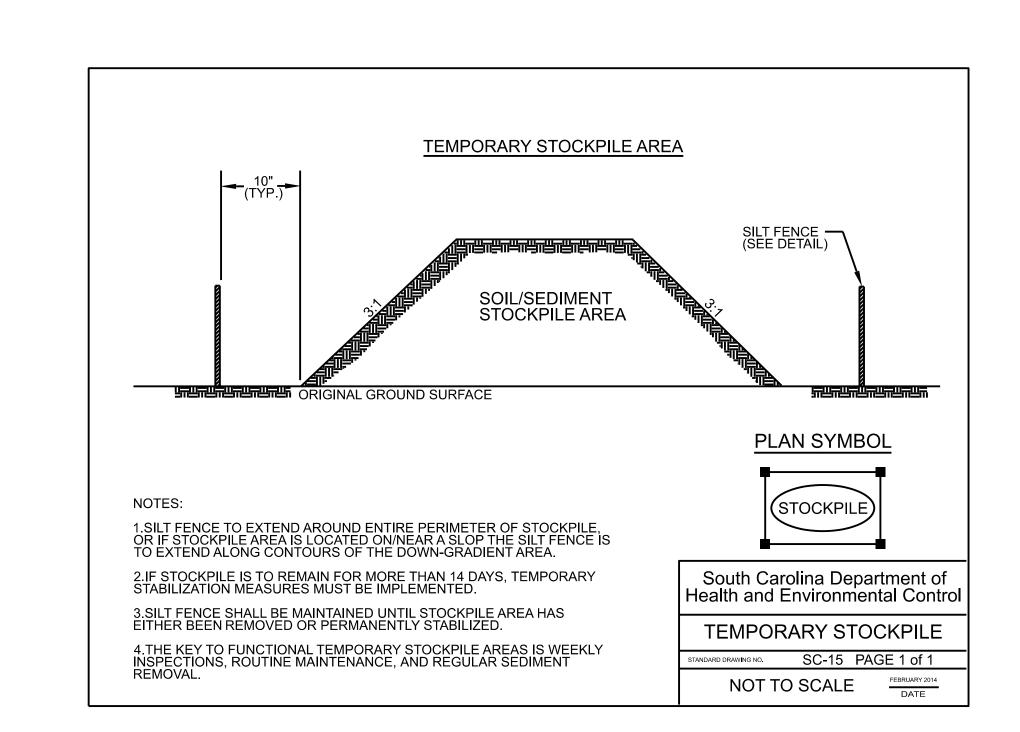
3. LOOSE ROCKS, ROOTS AND OTHER OBSTRUCTIONS SHALL BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT INTERFERE WITH ESTABLISHMENT AND MAINTENANCE OF VEGETATION. SURFACE FOR FINAL SEEDBED PREPARATION AT FINISHED GRADES SHOWN, SHALL BE REASONABLY SMOOTH AND UNIFORM.

SEEDBED PREPARATION NOTES: 1. SURFACE WATER CONTROL MEASURES TO BE INSTALLED ACCORDING TO PLAN. 2. AREAS TO BE SEEDED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL 3-INCHES DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 4-INCHES TO

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	No
Bahia Grass (Alone)	40											
Bahia Grass (Mix)	30											
Bermuda Grass (hulled) (Alone)	8-12											
Bermuda Grass (hulled) (Mix)	4-6											
Fescue, Tall (KY31) Alone	40											
Fescue, Tall (KY31) mix	20											
Sericea Lespedeza (Scarified) Alone or Mix (inoculate with EL Innoculant	40											
Ladino Clover (mix only) Innoculate with AB Innoculant	2									I		

SCDHEC SEEDING SCHEDULE





JEEF. TOTAL SEEDLED FREFARED DEF ITT STALL DE 4-INGLES TO 0-INCLES DEEF.	Millet (Alone)							-	-
8. LOOSE ROCKS, ROOTS AND OTHER OBSTRUCTIONS SHALL BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT INTERFERE WITH ESTABLISHMENT AND MAINTENANCE	Browntop Millet (Mix) Rye Grain	10							
DF VEGETATION. SURFACE FOR FINAL SEEDBED PREPARATION AT FINISHED GRADES SHOWN, SHALL BE REASONABLY SMOOTH AND UNIFORM.	(Alone) Rye Grain	56 10				_			
. FERTILIZER AND LIME TO BE APPLIED UNIFORMLY AND MIXED WITH SOIL DURING	(Mix) Rye Grass (Alone)	50							
	Rye Grass (Mix)	8							
TEMPORARY SEEDING REQUIREMENTS: (SEED IN ACCORDANCE WITH THE FOLLOWING APPLICATION RATES)				For Stee	p Slope	s/Cut S	opes		_
80 LBS./AC TALL FESCUE 4000 LBS./AC AGRICULTURAL LIME	Weeping Lovegrass (Alone)	4							
1000 LBS./AC 10-10 FERTILIZER 500 LBS./AC 0-20-0 SUPERPHOSPHATE	Weeping Lovegrass	2							
1-1/2 T./AC STRAW MULCH 225 GAL./AC ASPHALT TIE-DOWN	(Mix)								
30 LBS./AC RYE GRAIN (NOVEMBER THROUGH FEBRUARY) WORK LIME FERTILIZER INTO SOIL 3" TO 4" DEEP.									
OR PERMANENT SEEDING REQUIREMENTS: REFER TO THE LANDSCAPING PLANS IN THE ARCHITECTURAL PLAN SET.									
NOTE: IN AREAS THAT WILL NOT BE WELL MAINTAINED, ALSO ADD 50 LBS./AC UNSCARIFIED									
SERICEA LESPEDEZA (AUGUST THROUGH NOVEMBER) OR 40 LBS /AC SCARIFIED SERICEA .ESPEDEZA (DECEMBER THROUGH JULY).									
\frown									
(2) TEMPORARY SEEDING S	PECI	FIC	CA:		NS				
C501/									
1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) FEET SHOULD BE STABILIZED WITH S HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING)
NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.									
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN									
STATED BELOW. -WHERE STABILIZATION BY THE 14th DAY IS PRECLUDED BY SNOW COVER OR FROZE				ONS					
STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE. -WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEA	SED. AND	EART	H DIS	STURE	SING				
ACTIVITIES WILL BE RESUMED WITHIN (14) DAYS, TEMPORARY STABILIZATION MEASU INITIATED ON THAT PORTION OF THE SITE.									
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7		דו/א ח	HIN	24 но		FTED	F∆∩н		
RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF(0.5) INCH. IF SITE INSPECTIONS OR OT DAMAGED, INAPPROPRIATELY OR INCORRECTLY INSTALLED, OR NOT OPERATING EFFECTI	HER INFOF	RMATI	ON II	DENTI	TY BM	IP'S T	HAT AF	RE	۔
AS SOON AS PRACTICAL, OR AS REASONABLY POSSIBLE AND NO LESS THAN 48 HOURS FR	VELT, INE	NIVIAL			- 11103	I DE			כ
	OM THE TI				CATIO		EFERA	BLY	
		ME OI	f ide	NTIFI		N (PR		BLY	

1. SURFACE WATER CONTROL MEASURES TO BE INSTALLED ACCORDING TO PLAN.

2. AREAS TO BE SEEDED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL 3-INCHES

SEEDBED PREPARATION NOTES:

CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE 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 SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY STORMWATER SYSTEMS, WATER COURSES, AND WATERS OF THE STATE (WoS) OR WATERS OF THE UNITED STATES (WoU.S.). 5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED

DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED. 6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

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

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

9. ALL WoS OR WoU.S., INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SLIT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS AND A 130-FOOT MINIMUM BUFFER FOR WoU.S. A 25-FOOT NO DISTURBANCE ZONE SHALL BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS AND A MINIMUM 50-FOOT NO DISTURBANCE ZONE FOR WOU.S. BUFFERS AND NO DISTURBANCE ZONES SHALL BE MEASURED FROM TOP OF CREEK BANK.

10. 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 MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

11. A COPY OF THE SWPPP (INCLUDING CIVIL CONSTRUCTION PLANS AND SUPPORTING DOCUMENTS), INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED. 12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF SEVEN (7) CALENDAR DAYS. 13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE AND STOCKPILE TOPSOIL FOR REUSE.

14. 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.

15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP'S (SEDIMENT BASIN, FILTER BAG, ETC.). 16. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FROM 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

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

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

20. CONCRETE TRUCKS SHALL NOT TYPICALLY BE WASHED OUT ON SITE. IF CONCRETE TRUCK WASHOUT IS PERMITTED ON SITE, COORDINATE LOCATION AND BMP'S WITH SITE INSPECTOR.

21. DO NOT DISPOSE OF CONCRETE TRUCK WASHOUT WASTE BY DUMPING INTO A SANITARY SEWER. STORM DRAIN OR ONTO SOIL OR PAVEMENT THAT CARRIES STORM WATER RUNOFF.

22. CONCRETE TRUCK WASHOUT SHALL BE DISPOSED OF IN ACCORDANCE WITH THE FOLLOWING: -DESIGNATED AREA THAT WILL LATER BE BACKFILLED (SLURRY PIT). -DESIGNATED AREA WHERE CONCRETE WASH CAN HARDEN AND BE DISPOSED OF AS SOLID WASTE

-LOCATION THAT IS NOT SUBJECT TO WATER RUNOFF, AND MORE THAN 50-FEET AWAY FROM A STORM DRAIN, OPEN DITCH. OR RECEIVING WATER WAY. -PUMP EXCESS CONCRETE IN CONCRETE PUMP BIN BACK INTO CONCRETE MIXER TRUCK.

-CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OF OFF-SITE.

23. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED: -WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL. -WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURSING 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.

24. ALL CHEMICAL SPILLS, OIL SPILLS, OR FISH KILLS MUST BE REPORTED TO SCDHEC LAND & WASTE MANAGEMENT EMERGENCY RESPONSE, CALL THE 24-HOUR EMERGENCY RESPONSE LINE AT 1-888-481-0125.

25. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION WORKERS AND SITE VISITORS IN ACCORDANCE WITH 2006 INTERNATIONAL PLUMBING CODE GENERAL REGULATIONS, SECTION 311. PORTABLE FACILITIES SHALL BE PLACED ON LEVEL GROUND AND AWAY FROM STORM DRAINAGE SYSTEMS (DITCHES, CATCH BASINS, ETC.). DISPOSAL AND HANDLING OF SANITARY WASTE MUST COMPLY WITH SCDHEC REQUIREMENTS.

26. FINAL GRADES FOR GRASSED AND LANDSCAPED AREAS SHALL REQUIRE A MINIMUM OF 4"-6" OF CLEAN TOPSOIL, FREE OF DEBRIS AND CONTAMINANTS, AND PREFERABLY OF NATIVE ORIGIN. 27. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE AND AT THE INLET PROTECTION SEDIMENT FENCE WHEN IT BECOMES

ABOUT 0.5-FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. 28. ALL SEEDED AREAS SHALL BE FERTILIZED, RE-SEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS TO MAINTAIN A

VIGOROUS, DENSE VEGETATION COVER. 29. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE

			Tem	pora	ary S	Seed	ing -	Ups	state			
Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Browntop Millet (Alone)	40											
Browntop Millet (Mix)	10											
Rye Grain (Alone)	56											
Rye Grain (Mix)	10											
Rye Grass (Alone)	50											
Rye Grass (Mix)	8											
			For	Stee	p Slo	pes/C	ut Slo	opes				
Weeping Lovegrass (Alone)	4											

Dec

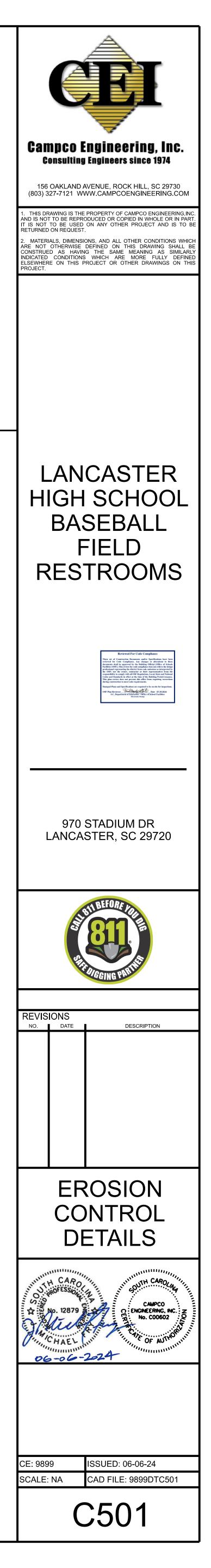
SCDHEC SEEDING SCHEDULE:

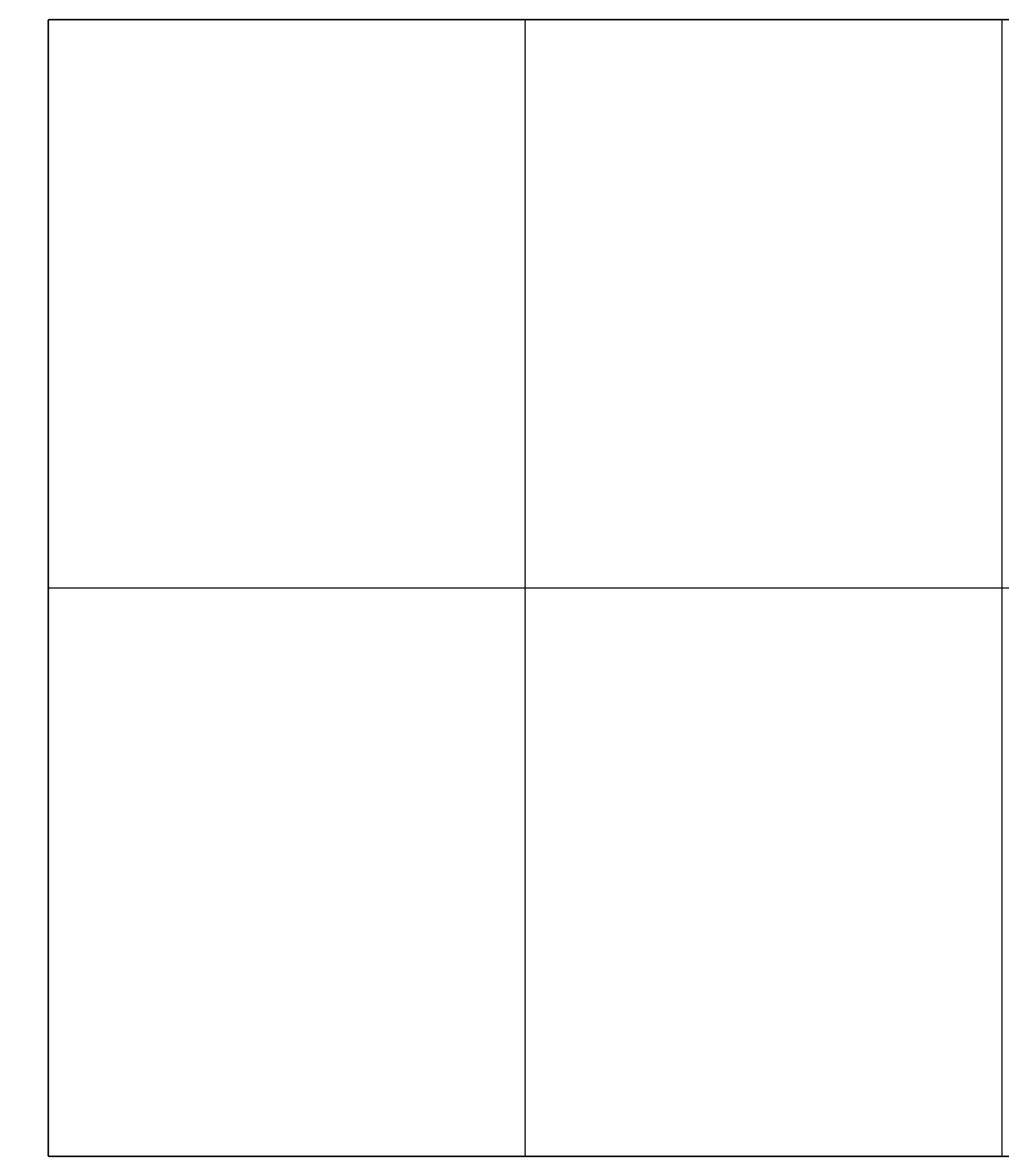


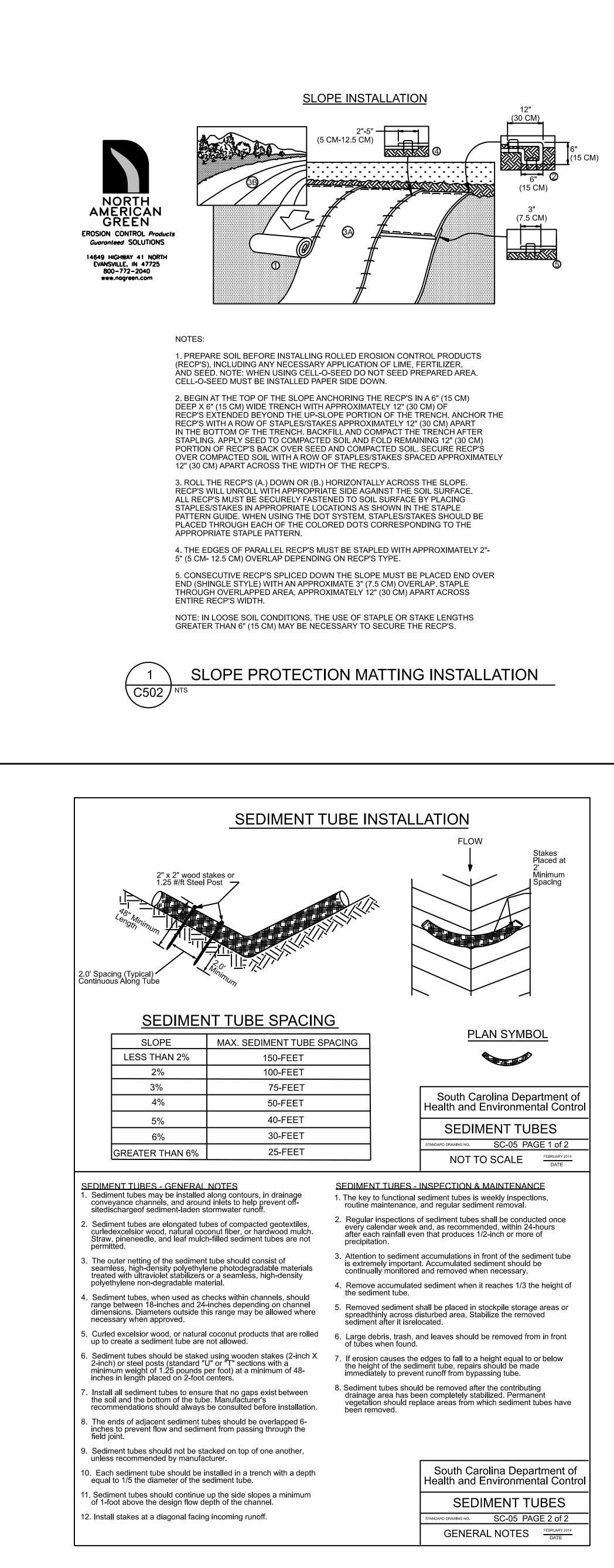
EROSION

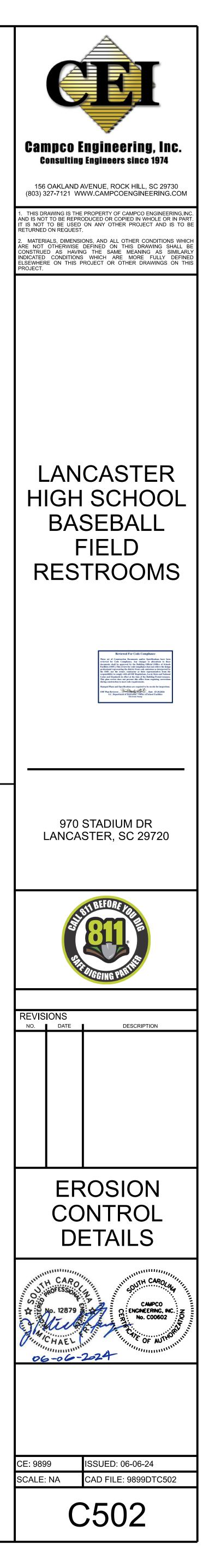
C501

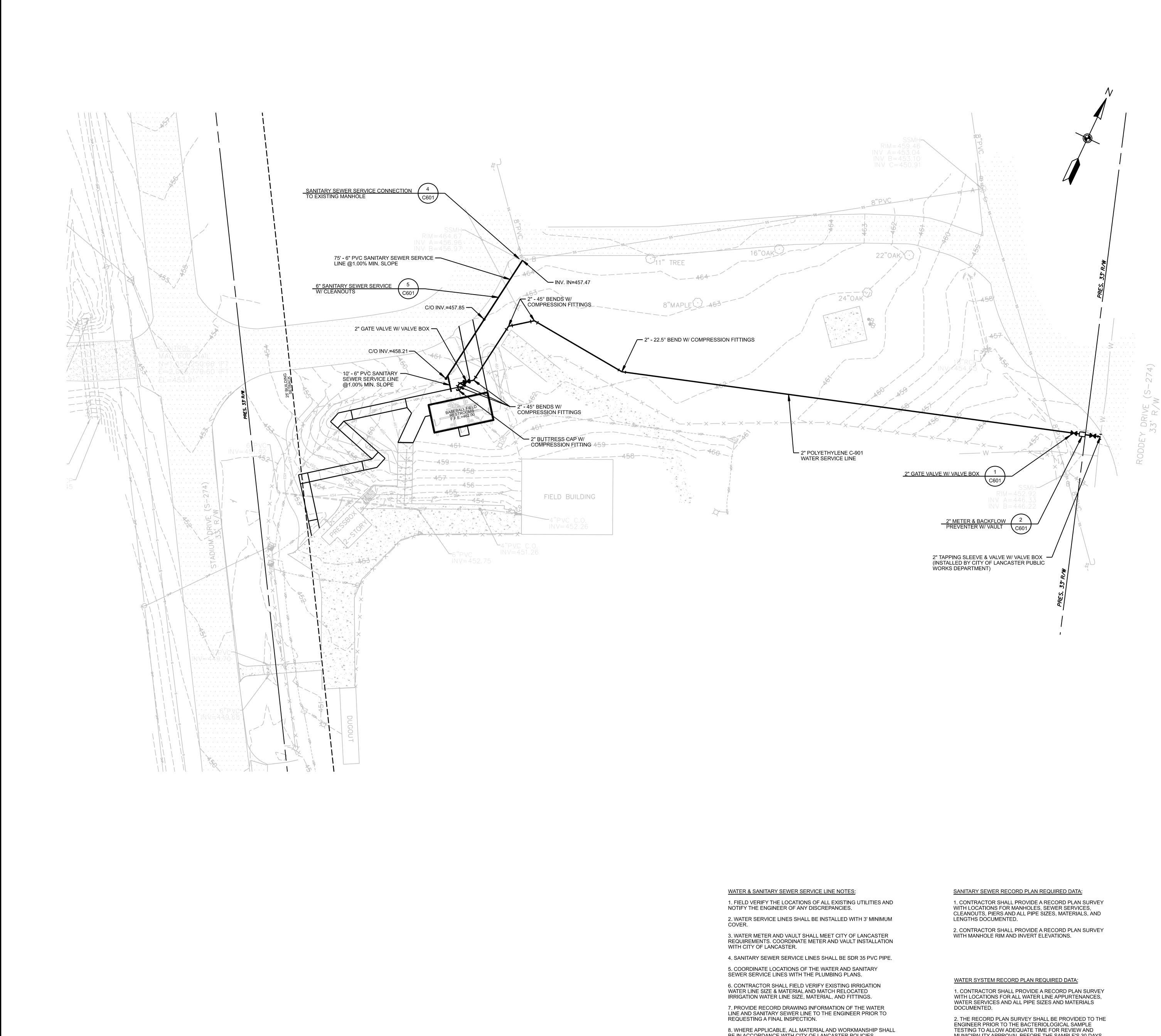
SCHEDULE/STANDARD NOTES



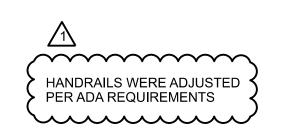






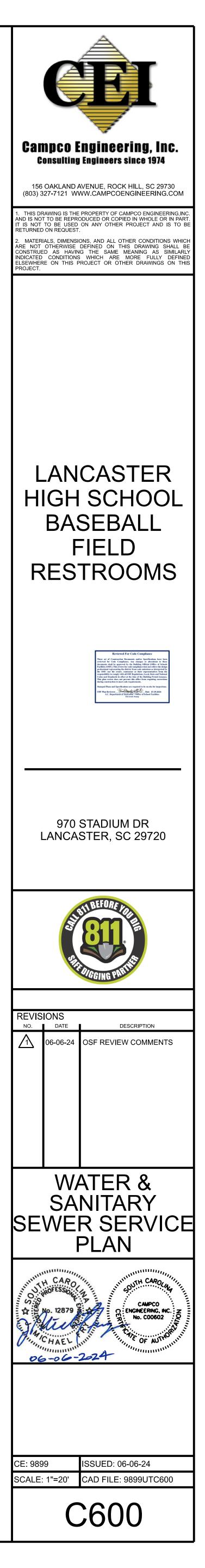


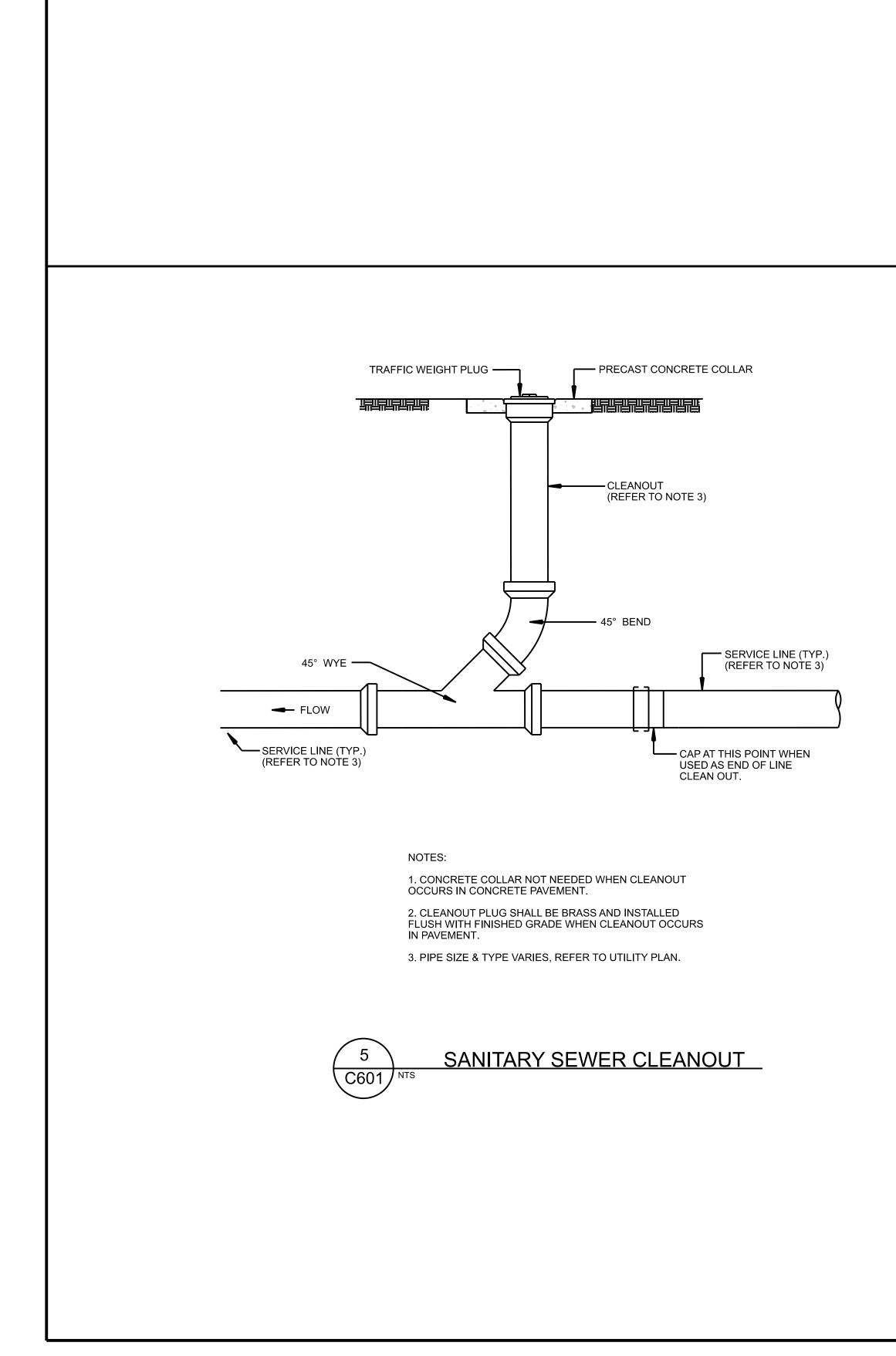
BE IN ACCORDANCE WITH CITY OF LANCASTER POLICIES, PROCEDURES, STANDARDS AND SPECIFICATIONS.

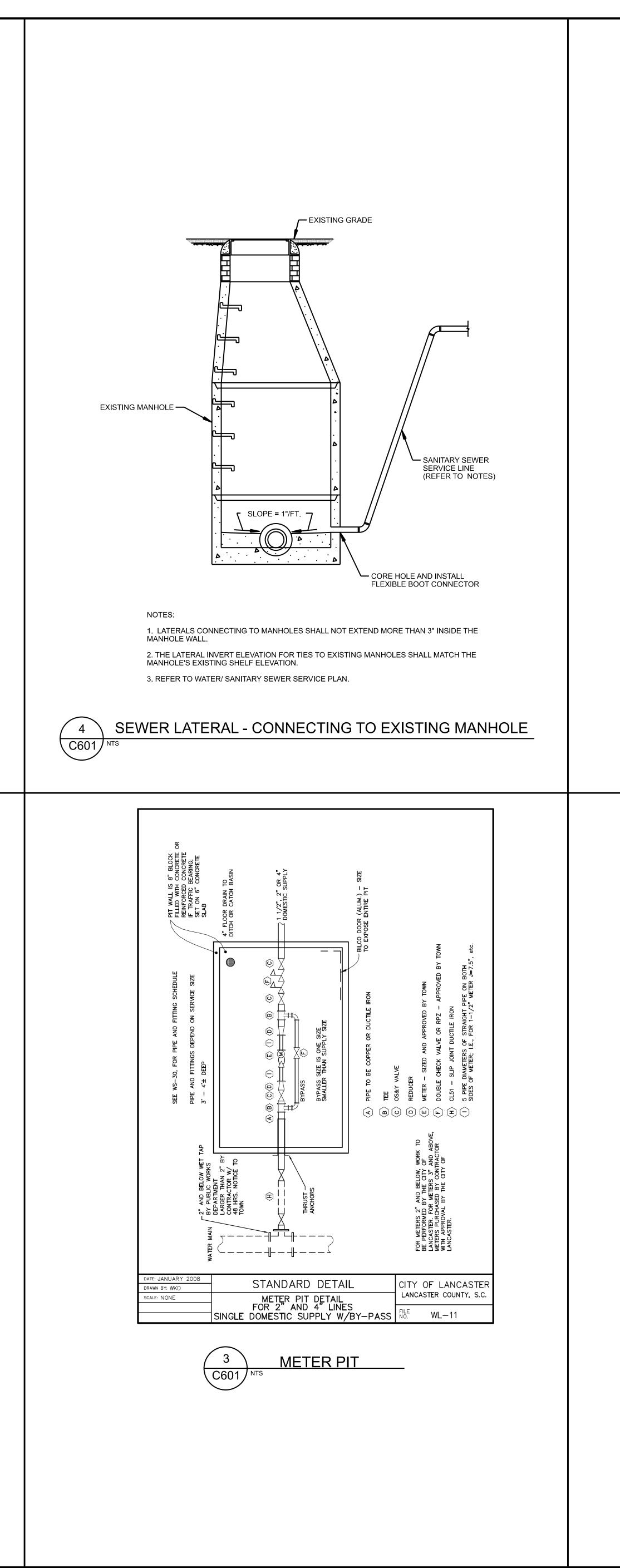


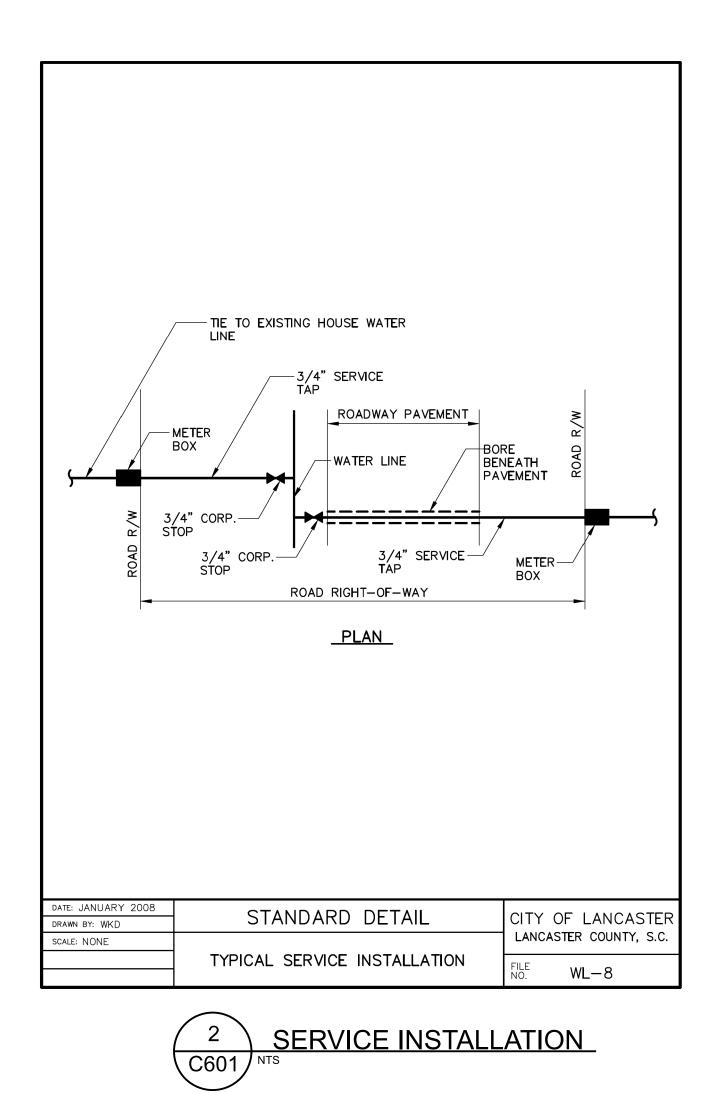
MUNICIPALITY APPROVAL BEFORE THE SAMPLE'S 30 DAYS EXPIRATION.

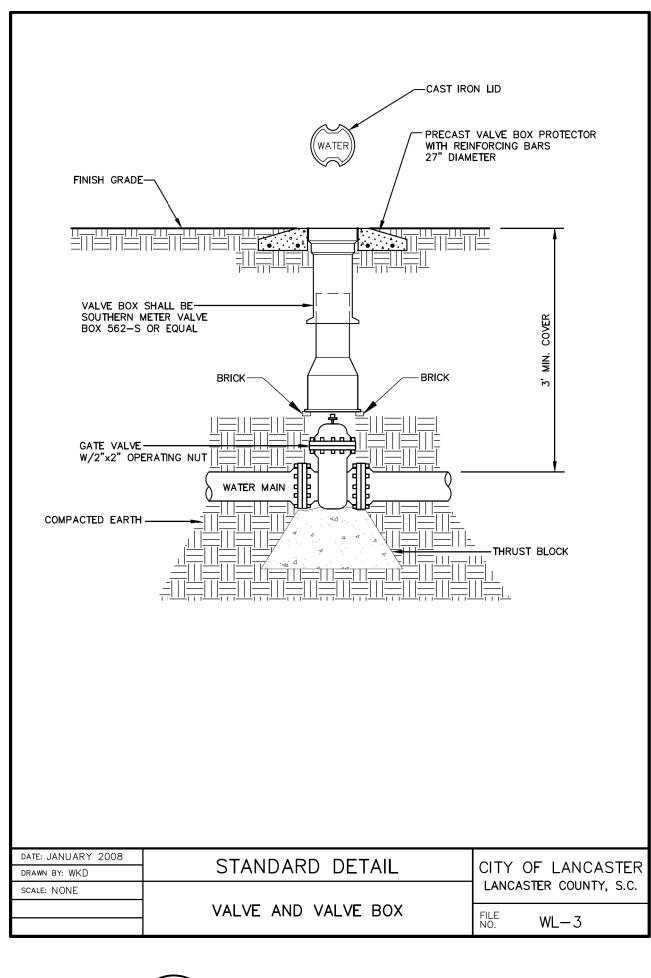
SCALE: 1" = 20'



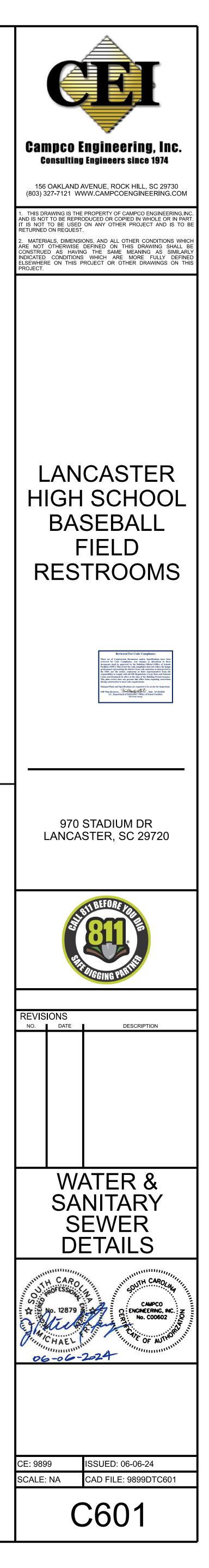


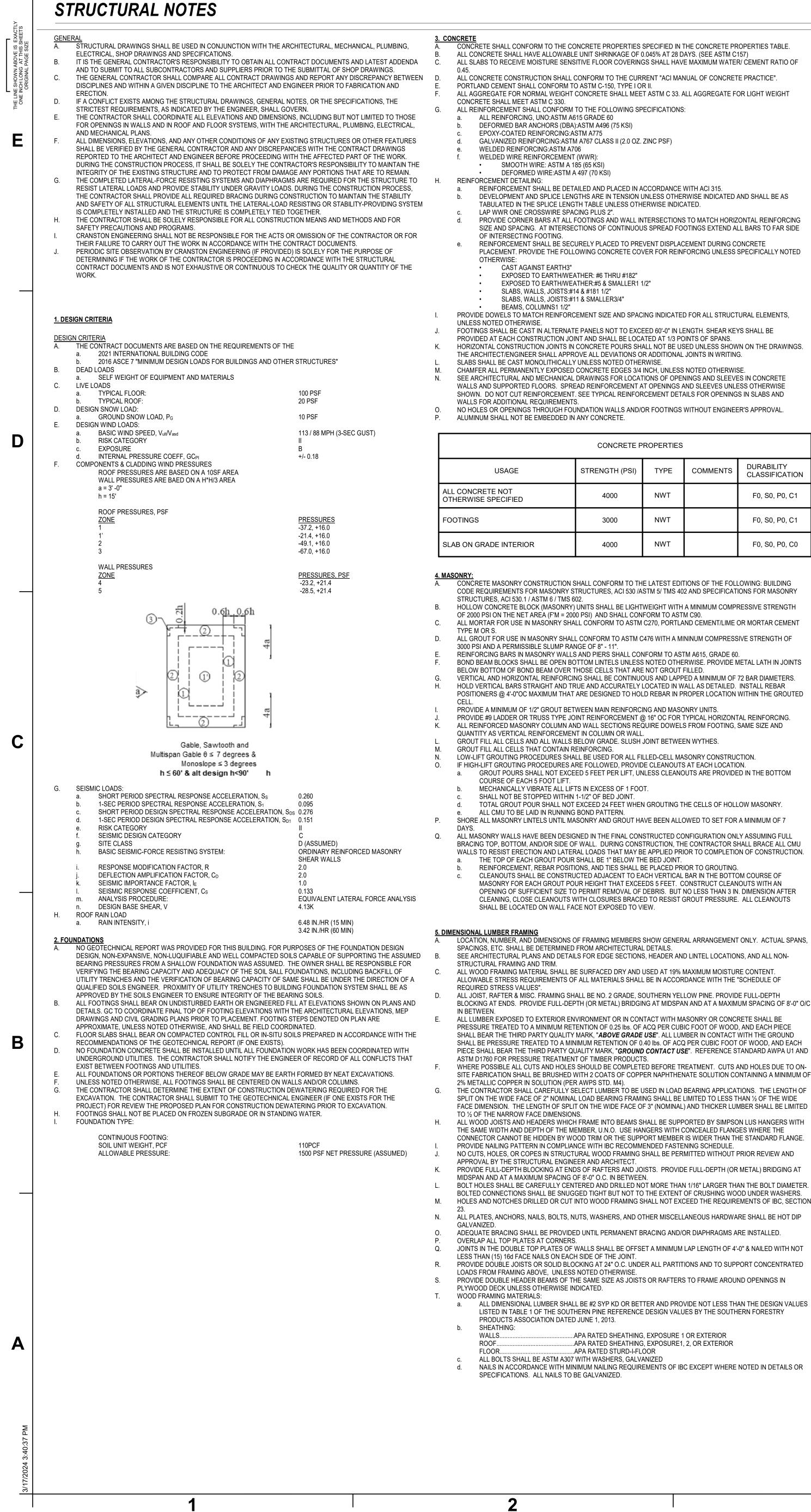












CONCRETE SHALL CONFORM TO THE CONCRETE PROPERTIES SPECIFIED IN THE CONCRETE PROPERTIES TABLE.

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".

ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C 33. ALL AGGREGATE FOR LIGHT WEIGHT

DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS OTHERWISE INDICATED AND SHALL BE AS

PROVIDE CORNER BARS AT ALL FOOTINGS AND WALL INTERSECTIONS TO MATCH HORIZONTAL REINFORCING SIZE AND SPACING. AT INTERSECTIONS OF CONTINUOUS SPREAD FOOTINGS EXTEND ALL BARS TO FAR SIDE REINFORCEMENT SHALL BE SECURELY PLACED TO PREVENT DISPLACEMENT DURING CONCRETE

PLACEMENT. PROVIDE THE FOLLOWING CONCRETE COVER FOR REINFORCING UNLESS SPECIFICALLY NOTED

FOOTINGS SHALL BE CAST IN ALTERNATE PANELS NOT TO EXCEED 60'-0" IN LENGTH. SHEAR KEYS SHALL BE

SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE

SHOWN. DO NOT CUT REINFORCEMENT. SEE TYPICAL REINFORCEMENT DETAILS FOR OPENINGS IN SLABS AND

CONCRETE P	ROPERTIES		
NGTH (PSI)	TYPE	COMMENTS	DURABILITY CLASSIFICATION
4000	NWT		F0, S0, P0, C1
3000	NWT		F0, S0, P0, C1
4000	NWT		F0, S0, P0, C0

CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, ACI 530 /ASTM 5/ TMS 402 AND SPECIFICATIONS FOR MASONRY HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL BE LIGHTWEIGHT WITH A MINIMUM COMPRESSIVE STRENGTH ALL MORTAR FOR USE IN MASONRY SHALL CONFORM TO ASTM C270, PORTLAND CEMENT/LIME OR MORTAR CEMENT

BOND BEAM BLOCKS SHALL BE OPEN BOTTOM LINTELS UNLESS NOTED OTHERWISE. PROVIDE METAL LATH IN JOINTS VERTICAL AND HORIZONTAL REINFORCING SHALL BE CONTINUOUS AND LAPPED A MINIMUM OF 72 BAR DIAMETERS. HOLD VERTICAL BARS STRAIGHT AND TRUE AND ACCURATELY LOCATED IN WALL AS DETAILED. INSTALL REBAR

PROVIDE #9 LADDER OR TRUSS TYPE JOINT REINFORCEMENT @ 16" OC FOR TYPICAL HORIZONTAL REINFORCING. ALL REINFORCED MASONRY COLUMN AND WALL SECTIONS REQUIRE DOWELS FROM FOOTING, SAME SIZE AND

GROUT POURS SHALL NOT EXCEED 5 FEET PER LIFT, UNLESS CLEANOUTS ARE PROVIDED IN THE BOTTOM

TOTAL GROUT POUR SHALL NOT EXCEED 24 FEET WHEN GROUTING THE CELLS OF HOLLOW MASONRY. SHORE ALL MASONRY LINTELS UNTIL MASONRY AND GROUT HAVE BEEN ALLOWED TO SET FOR A MINIMUM OF 7

ALL MASONRY WALLS HAVE BEEN DESIGNED IN THE FINAL CONSTRUCTED CONFIGURATION ONLY ASSUMING FULL BRACING TOP, BOTTOM, AND/OR SIDE OF WALL. DURING CONSTRUCTION, THE CONTRACTOR SHALL BRACE ALL CMU WALLS TO RESIST ERECTION AND LATERAL LOADS THAT MAY BE APPLIED PRIOR TO COMPLETION OF CONSTRUCTION. REINFORCEMENT, REBAR POSITIONS, AND TIES SHALL BE PLACED PRIOR TO GROUTING. CLEANOUTS SHALL BE CONSTRUCTED ADJACENT TO EACH VERTICAL BAR IN THE BOTTOM COURSE OF

MASONRY FOR EACH GROUT POUR HEIGHT THAT EXCEEDS 5 FEET. CONSTRUCT CLEANOUTS WITH AN OPENING OF SUFFICIENT SIZE TO PERMIT REMOVAL OF DEBRIS. BUT NO LESS THAN 3 IN. DIMENSION AFTER CLEANING, CLOSE CLEANOUTS WITH CLOSURES BRACED TO RESIST GROUT PRESSURE. ALL CLEANOUTS

LOCATION, NUMBER, AND DIMENSIONS OF FRAMING MEMBERS SHOW GENERAL ARRANGEMENT ONLY. ACTUAL SPANS, SEE ARCHITECTURAL PLANS AND DETAILS FOR EDGE SECTIONS, HEADER AND LINTEL LOCATIONS, AND ALL NON-ALL WOOD FRAMING MATERIAL SHALL BE SURFACED DRY AND USED AT 19% MAXIMUM MOISTURE CONTENT. ALLOWABLE STRESS REQUIREMENTS OF ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE "SCHEDULE OF ALL JOIST, RAFTER & MISC. FRAMING SHALL BE NO. 2 GRADE, SOUTHERN YELLOW PINE. PROVIDE FULL-DEPTH BLOCKING AT ENDS. PROVIDE FULL-DEPTH (OR METAL) BRIDGING AT MIDSPAN AND AT A MAXIMUM SPACING OF 8'-0" O/C ALL LUMBER EXPOSED TO EXTERIOR ENVIRONMENT OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE

SHALL BE PRESSURE TREATED TO A MINIMUM RETENTION OF 0.40 lbs. OF ACQ PER CUBIC FOOT OF WOOD, AND EACH PIECE SHALL BEAR THE THIRD PARTY QUALITY MARK, "GROUND CONTACT USE". REFERENCE STANDARD AWPA U1 AND WHERE POSSIBLE ALL CUTS AND HOLES SHOULD BE COMPLETED BEFORE TREATMENT. CUTS AND HOLES DUE TO ON-SITE FABRICATION SHALL BE BRUSHED WITH 2 COATS OF COPPER NAPHTHENATE SOLUTION CONTAINING A MINIMUM OF THE CONTRACTOR SHALL CAREFULLY SELECT LUMBER TO BE USED IN LOAD BEARING APPLICATIONS. THE LENGTH OF SPLIT ON THE WIDE FACE OF 2" NOMINAL LOAD BEARING FRAMING SHALL BE LIMITED TO LESS THAN ½ OF THE WIDE

ALL WOOD JOISTS AND HEADERS WHICH FRAME INTO BEAMS SHALL BE SUPPORTED BY SIMPSON LUS HANGERS WITH THE SAME WIDTH AND DEPTH OF THE MEMBER, U.N.O. USE HANGERS WITH CONCEALED FLANGES WHERE THE CONNECTOR CANNOT BE HIDDEN BY WOOD TRIM OR THE SUPPORT MEMBER IS WIDER THAN THE STANDARD FLANGE. NO CUTS, HOLES, OR COPES IN STRUCTURAL WOOD FRAMING SHALL BE PERMITTED WITHOUT PRIOR REVIEW AND

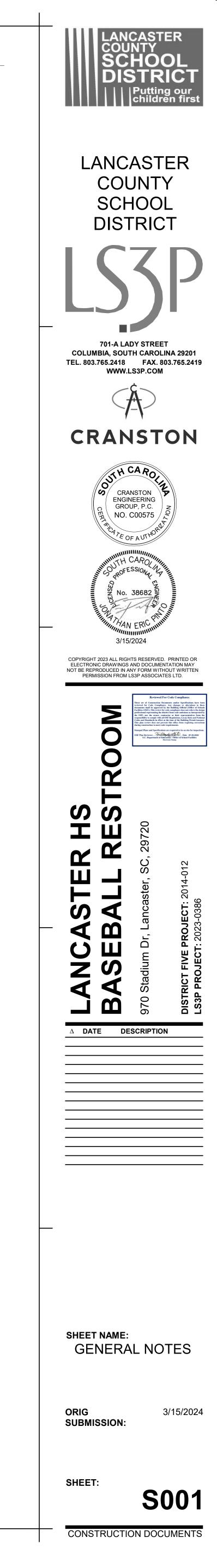
BOLT HOLES SHALL BE CAREFULLY CENTERED AND DRILLED NOT MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER. BOLTED CONNECTIONS SHALL BE SNUGGED TIGHT BUT NOT TO THE EXTENT OF CRUSHING WOOD UNDER WASHERS. HOLES AND NOTCHES DRILLED OR CUT INTO WOOD FRAMING SHALL NOT EXCEED THE REQUIREMENTS OF IBC, SECTION ALL PLATES, ANCHORS, NAILS, BOLTS, NUTS, WASHERS, AND OTHER MISCELLANEOUS HARDWARE SHALL BE HOT DIP

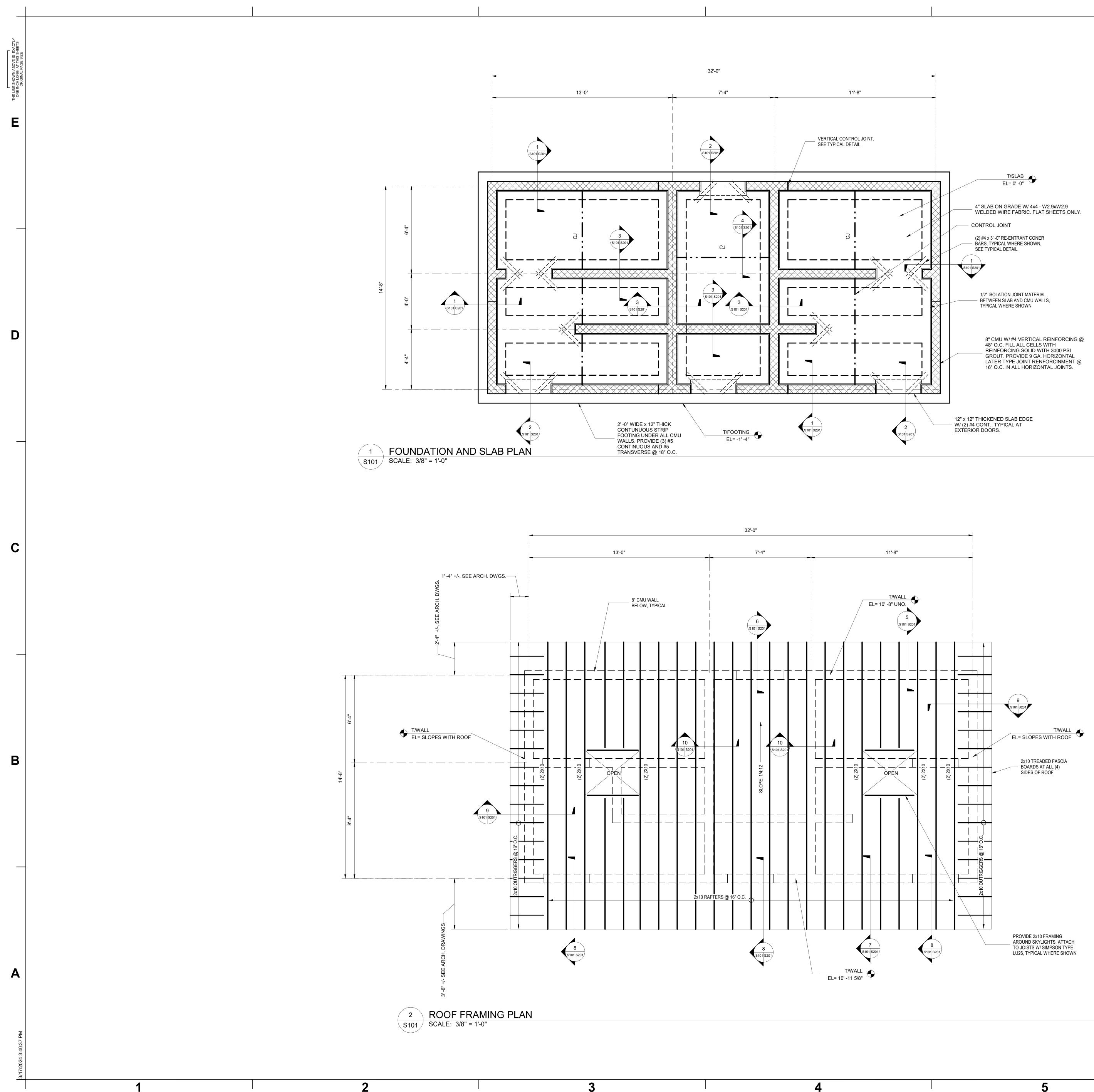
ADEQUATE BRACING SHALL BE PROVIDED UNTIL PERMANENT BRACING AND/OR DIAPHRAGMS ARE INSTALLED. JOINTS IN THE DOUBLE TOP PLATES OF WALLS SHALL BE OFFSET A MINIMUM LAP LENGTH OF 4'-0" & NAILED WITH NOT PROVIDE DOUBLE JOISTS OR SOLID BLOCKING AT 24" O.C. UNDER ALL PARTITIONS AND TO SUPPORT CONCENTRATED PROVIDE DOUBLE HEADER BEAMS OF THE SAME SIZE AS JOISTS OR RAFTERS TO FRAME AROUND OPENINGS IN

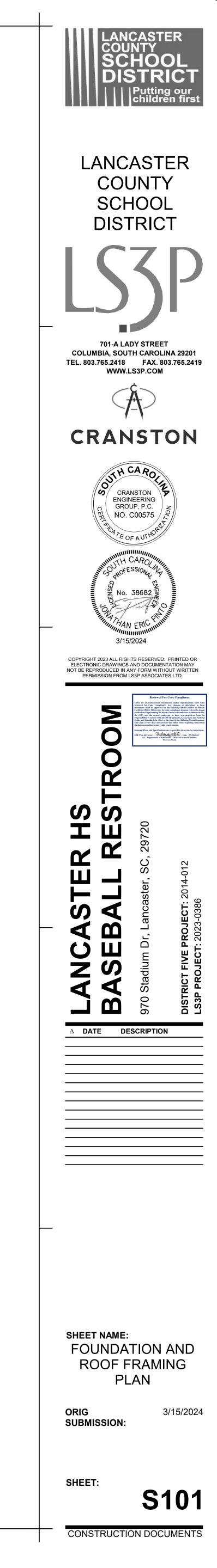
a. ALL DIMENSIONAL LUMBER SHALL BE #2 SYP KD OR BETTER AND PROVIDE NOT LESS THAN THE DESIGN VALUES LISTED IN TABLE 1 OF THE SOUTHERN PINE REFERENCE DESIGN VALUES BY THE SOUTHERN FORESTRY

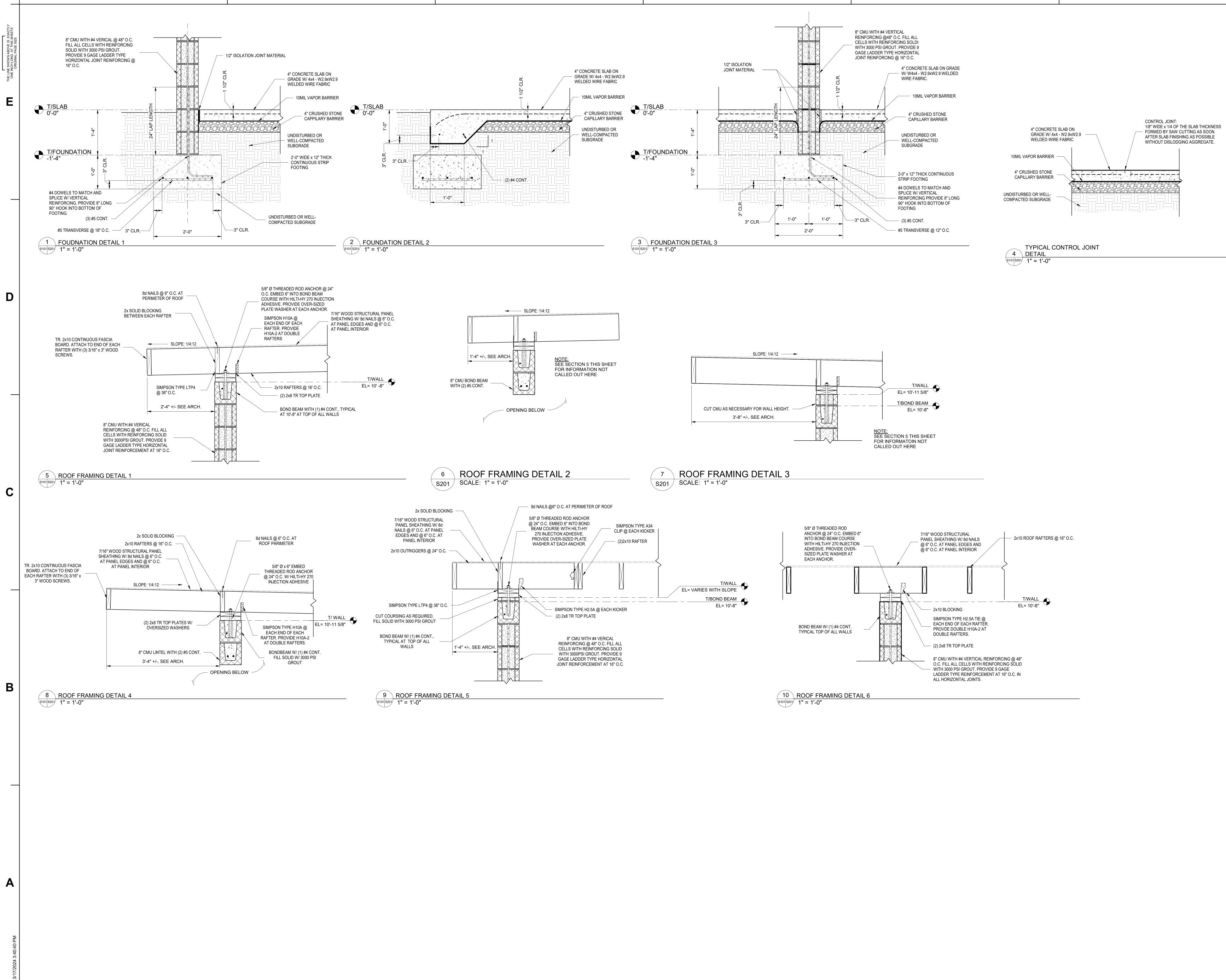
>APA RATED SHEATHING, EXPOSURE 1 OR EXTERIOR ... APA RATED SHEATHING, EXPOSURE1, 2, OR EXTERIOR

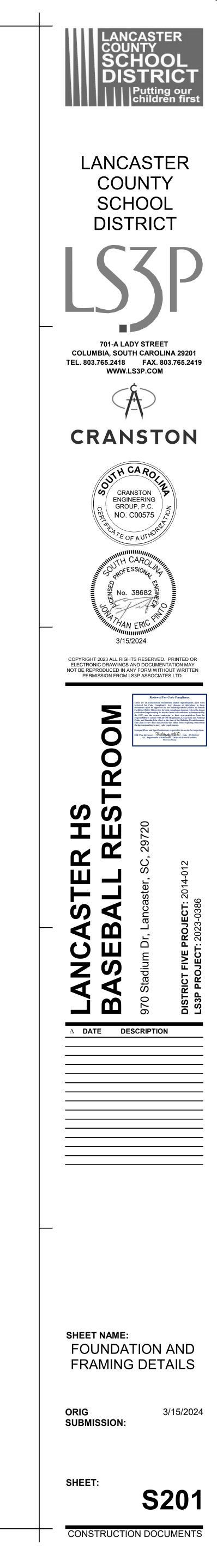
NAILS IN ACCORDANCE WITH MINIMUM NAILING REQUIREMENTS OF IBC EXCEPT WHERE NOTED IN DETAILS OR

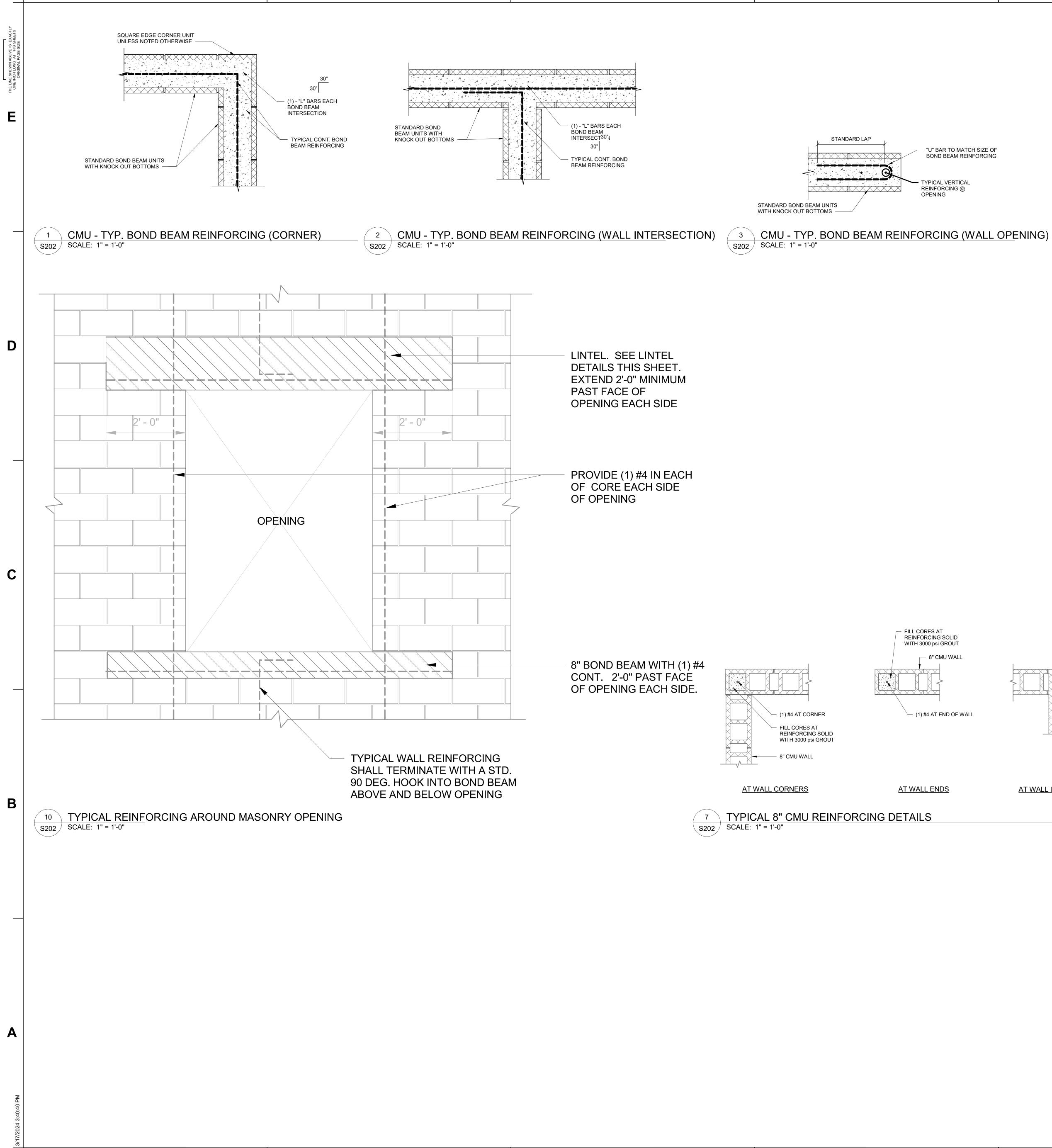








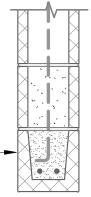




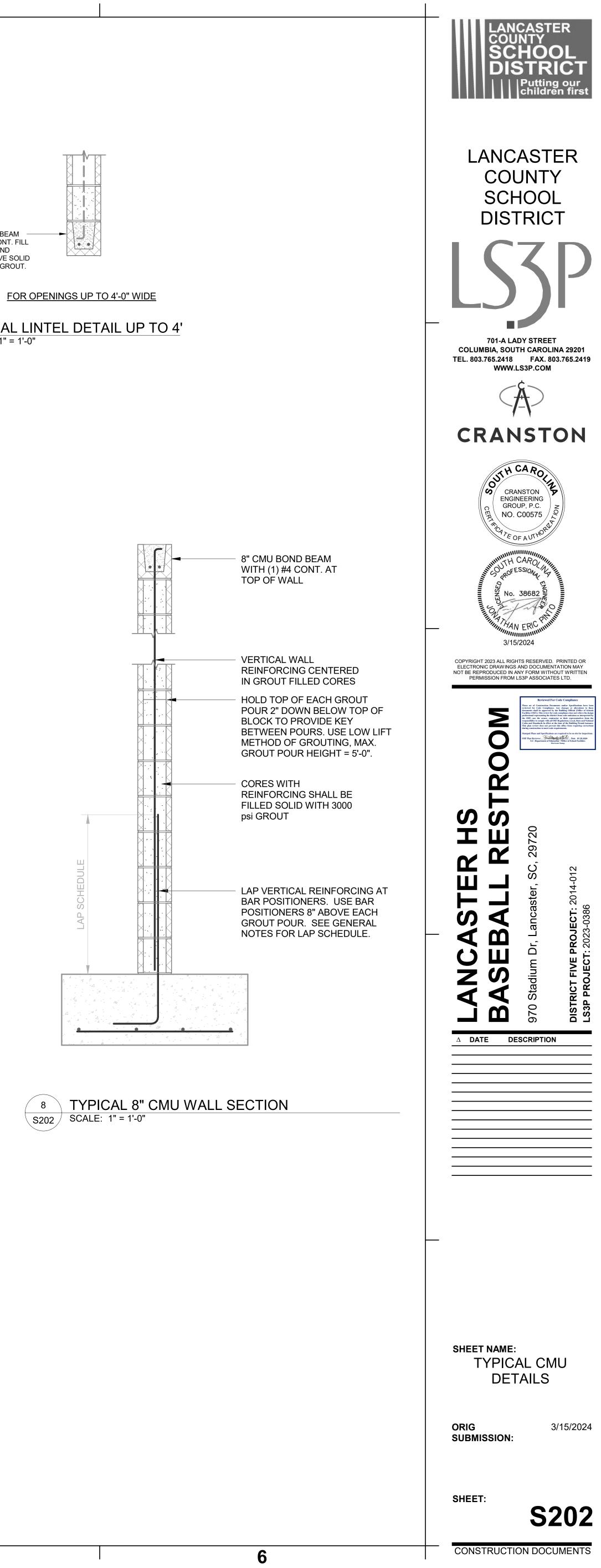
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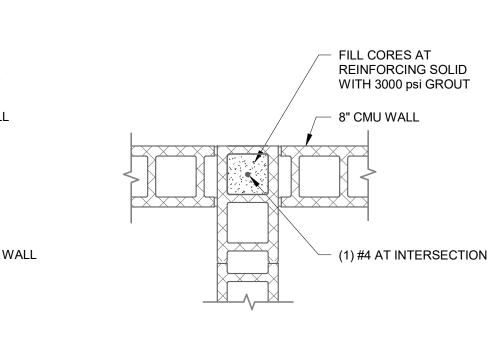
- "U" BAR TO MATCH SIZE OF BOND BEAM REINFORCING

8" CMU BOND BEAM WITH (2) #5 CONT. FILL BOND BEAM AND COURSE ABOVE SOLID WITH 3000 psi GROUT.

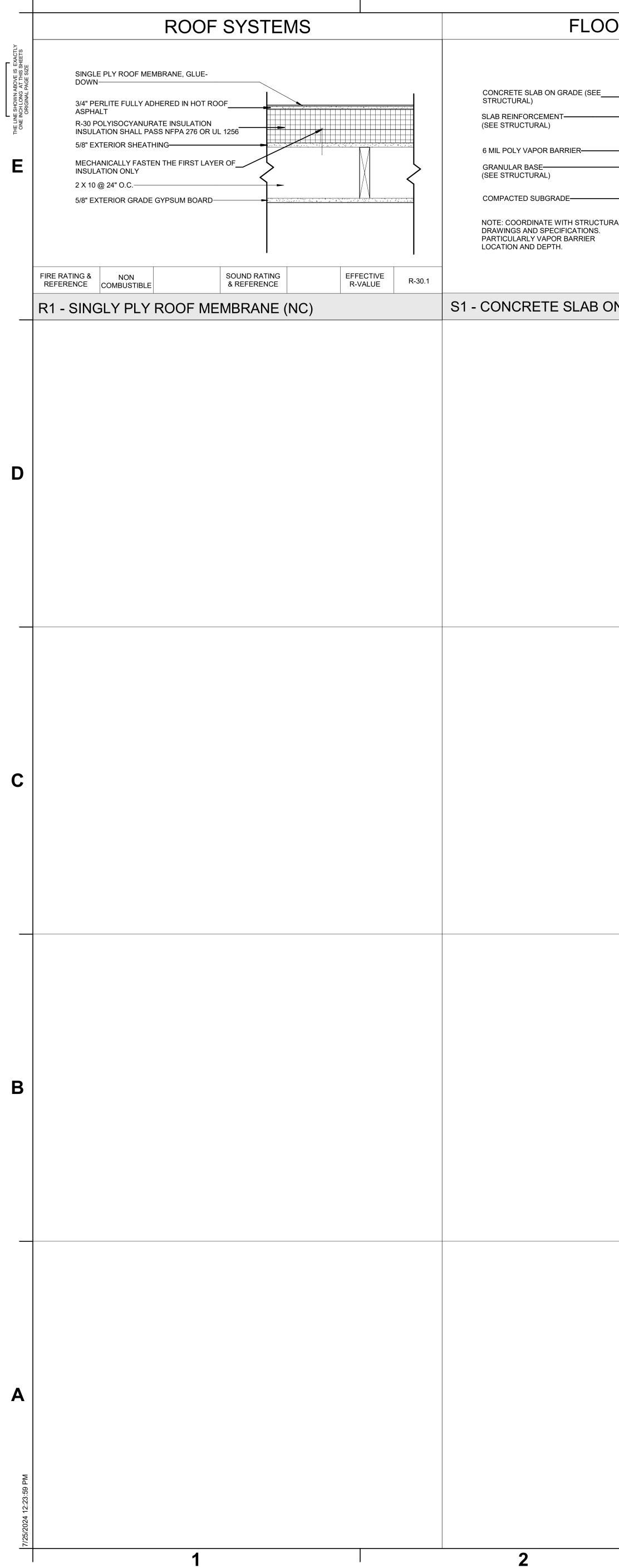


9 TYPICAL LINTEL DETAIL UP TO 4' S202 SCALE: 1" = 1'-0"



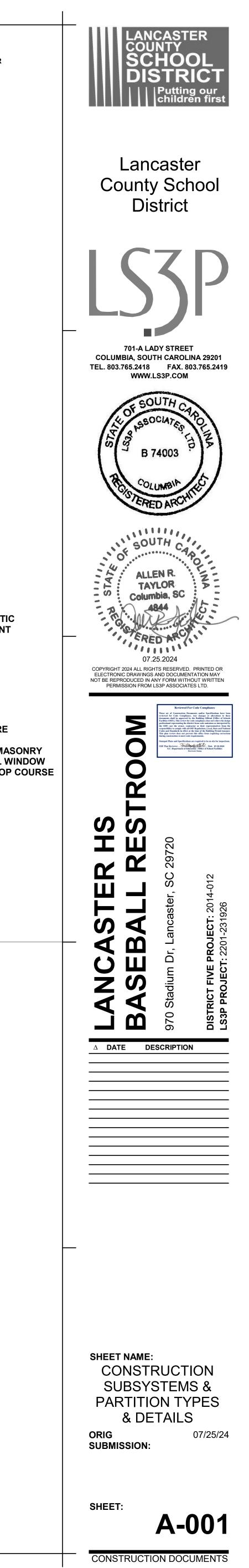


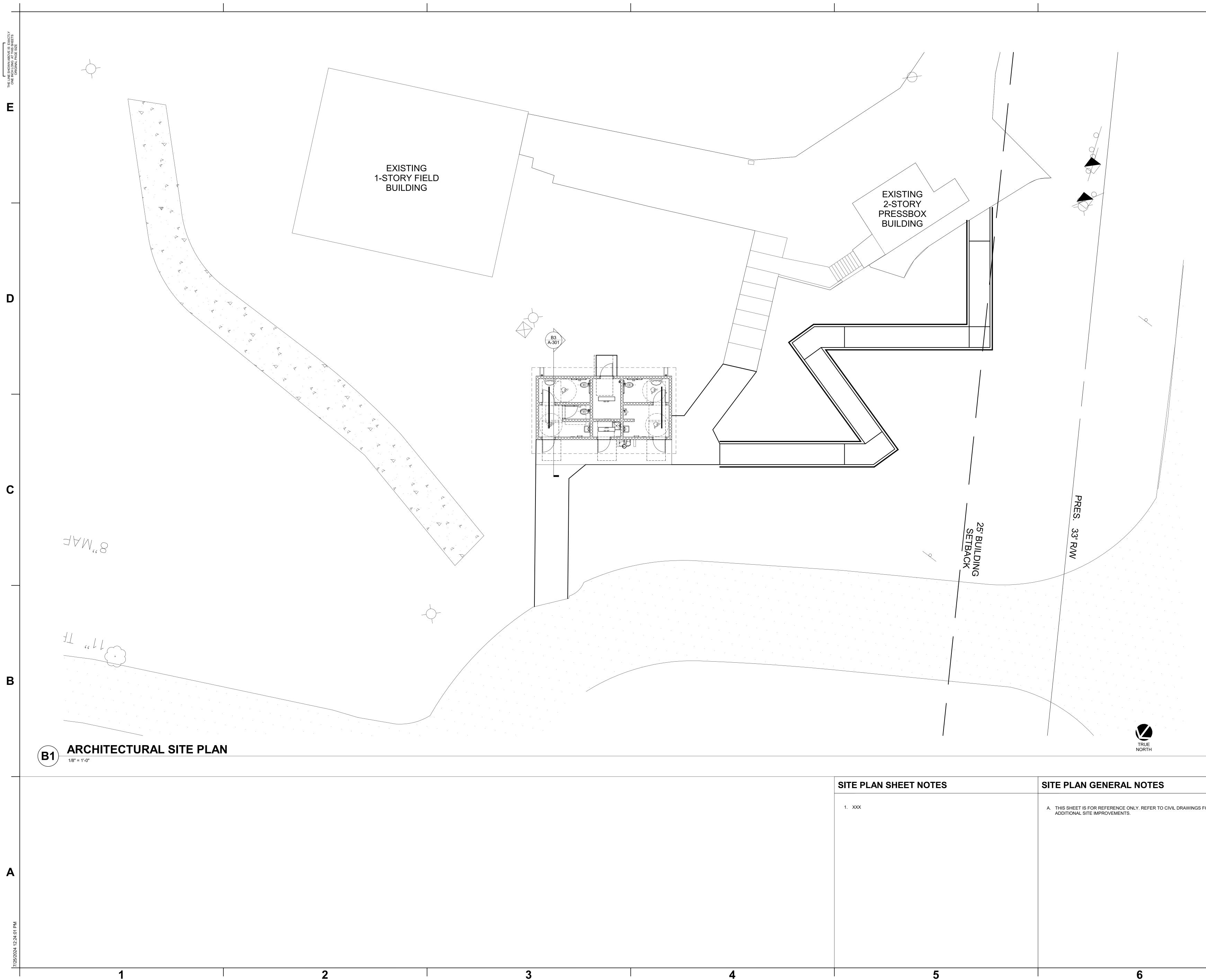
AT WALL INTERSECTIONS



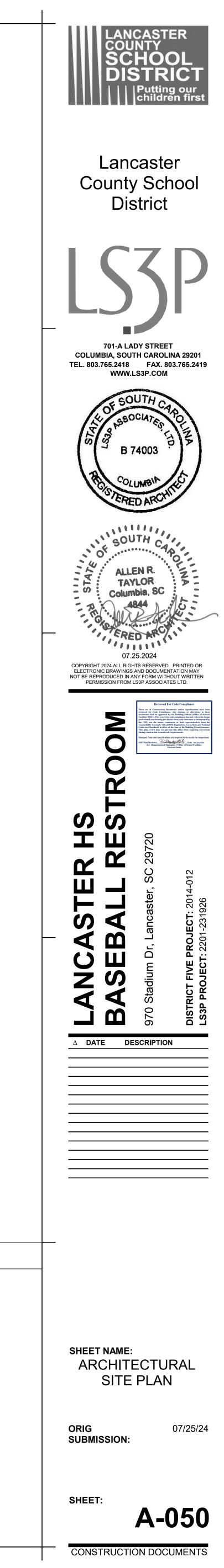
DR SYSTEMS	EXTERIOR WALL SYSTEMS	
	HORIZ. JOINT REINFORCING (SEE STRUCTURAL) MASONRY CELL INSULATION (FOAM FILL OPEN CMU CELLS) SPRAY FOAM INSULATION CONCRETE MASONRY UNIT (8" NOM.) VERT. REINFORCING BAR (SEE STRUCTURAL)	
	NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF SPLITFACE AND SMOOTHFACE EXTERIOR CMU	
N GRADE	W1 - 8" CMU WALL	
	3 4	

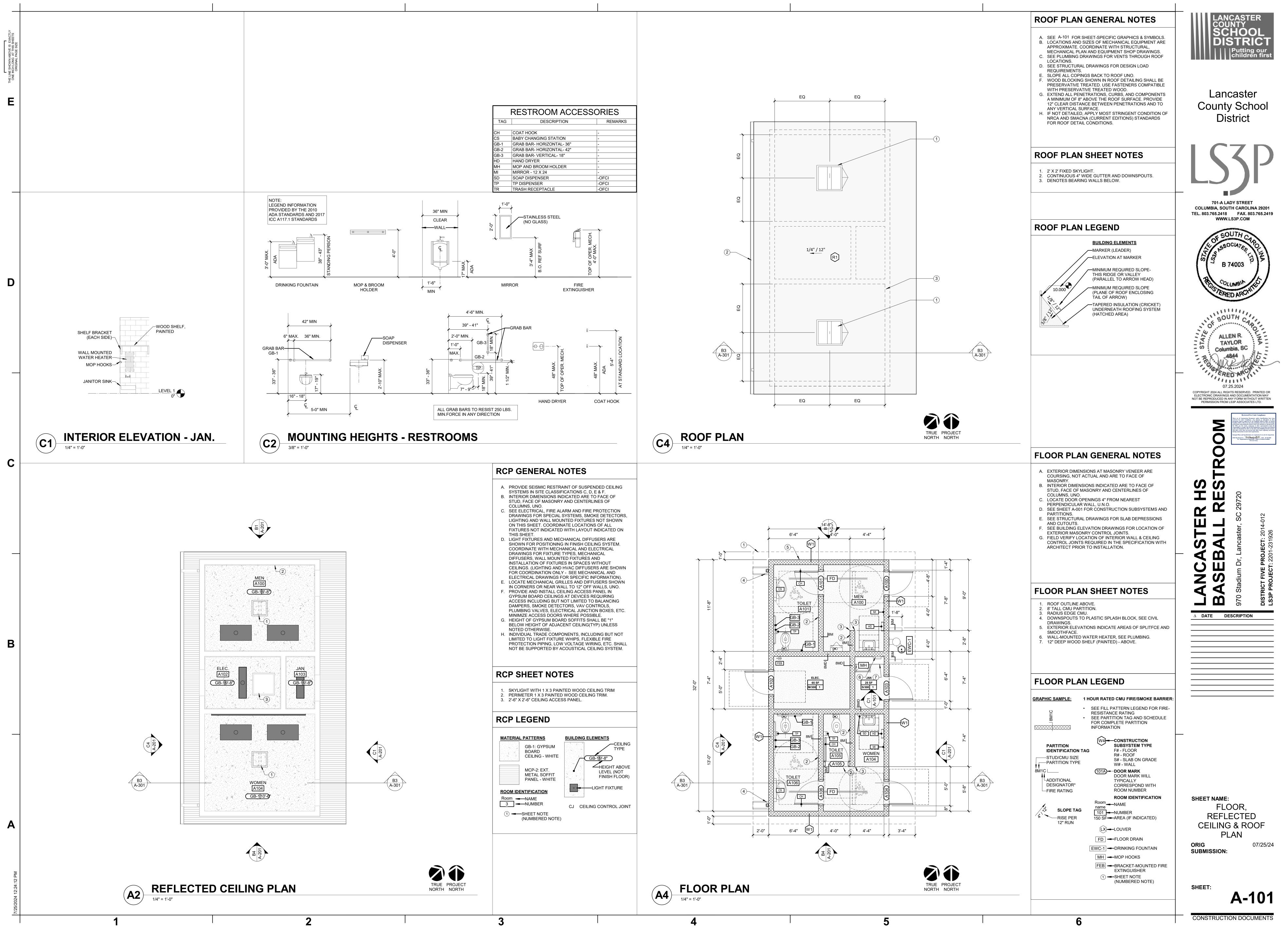
PARTITION SYSTEMS	PARTITION TAG KEY
	PARTITION RATING (IF REQUIRED) PARTITION TYPE STUD/CMU SIZE
	JA1S
HORIZONTAL ————————————————————————————————————	PARTITION MATERIAL & SIZE
REINFORCING MASONRY UNITS PARTIALLY GROUTED, SEE STRUCT. DWGS PLAN	
	1/2"7/8"1 5/8"2 1/2"RESILIENTFURRING CHANNELMETALMETALCHANNELSTUDSTUD
TAGBLOCKOVERALLULTAGSIZETHICKRATINGASSEMBLYSTC	3 4 6 8 3 5/8" 4" 6" 8"
6M 5-5/8" 5 5/8" 0 - 8M 7-5/8" 7 5/8" 0 - 9MD 7 5/8" 7 5/8" 0 -	3 5/8" 4" 6" 8" METAL METAL STUD METAL STUD METAL STUD STUD
8MD 7-5/8" 7 5/8" 0 -	
CONCRETE MASONRY UNIT (CMU)	
1" = 1'-0"	
	Image: page state Image: page state Image: page state Image: page state 4" NOM. 6" NOM. 8" NOM. 12" NOM. CMU CMU CMU CMU
	PARTITION TYPES LEGEND
	A - METAL STUD BALANCED WALL C - METAL STUD CHASE WALL
	F - METAL STUD FURRED WALL M - CONCRETE MASONRY UNIT WALL
	PARTITION FIRE RATING
	30 - 30 MINUTES RATED FIRE PARTITION 1 - 1 HR RATED FIRE BARRIER, UNLESS W/ DESIGNATOR
	2 - 2 HR RATED FIRE WALL, UNLESS W/ DESIGNATOR
	ADDITIONAL DESIGNATORS D - NON-RATED EXTEND TO DECK ABOVE
	 J - IMPACT RESISTANT GWB PARTITION S - SOUND ATTENUATION BLANKET IN STUD WALL OR ACOUSTIC FILL IN CMU WALL, PARTITION SHALL EXTEND TO ADJACENT
	WALLS AND STRUCTURE ABOVE, PROVIDE ACOUSTICAL SEALANT AT BOTTOM, TOP AND SIDES
	G - FULLY GROUTED CMU H - HALF WALL OR PARTIAL HEIGHT WALL
	PARTITION NOTES 1. ALL NON-DESIGNATED PARTITIONS SHALL BE 8M.
	2. FIRE RATED PARTITIONS SHALL EXTEND TO THE STRUCTURE ABOVE, SEE UL DETAILS FOR ADDITIONAL REQUIREMENTS
	3. AT INTERIOR MASONRY PARTITIONS, PROVIDE BULLNOSE MAS UNITS FOR OUTSIDE VERTICAL CORNERS AND HORIZONTAL WI STOOLS, EXCEPT AT FIRST COURSE AT FINISHED FLOOR, TOP (
	AT CEILING, AND WHERE INDICATED OTHERWISE.

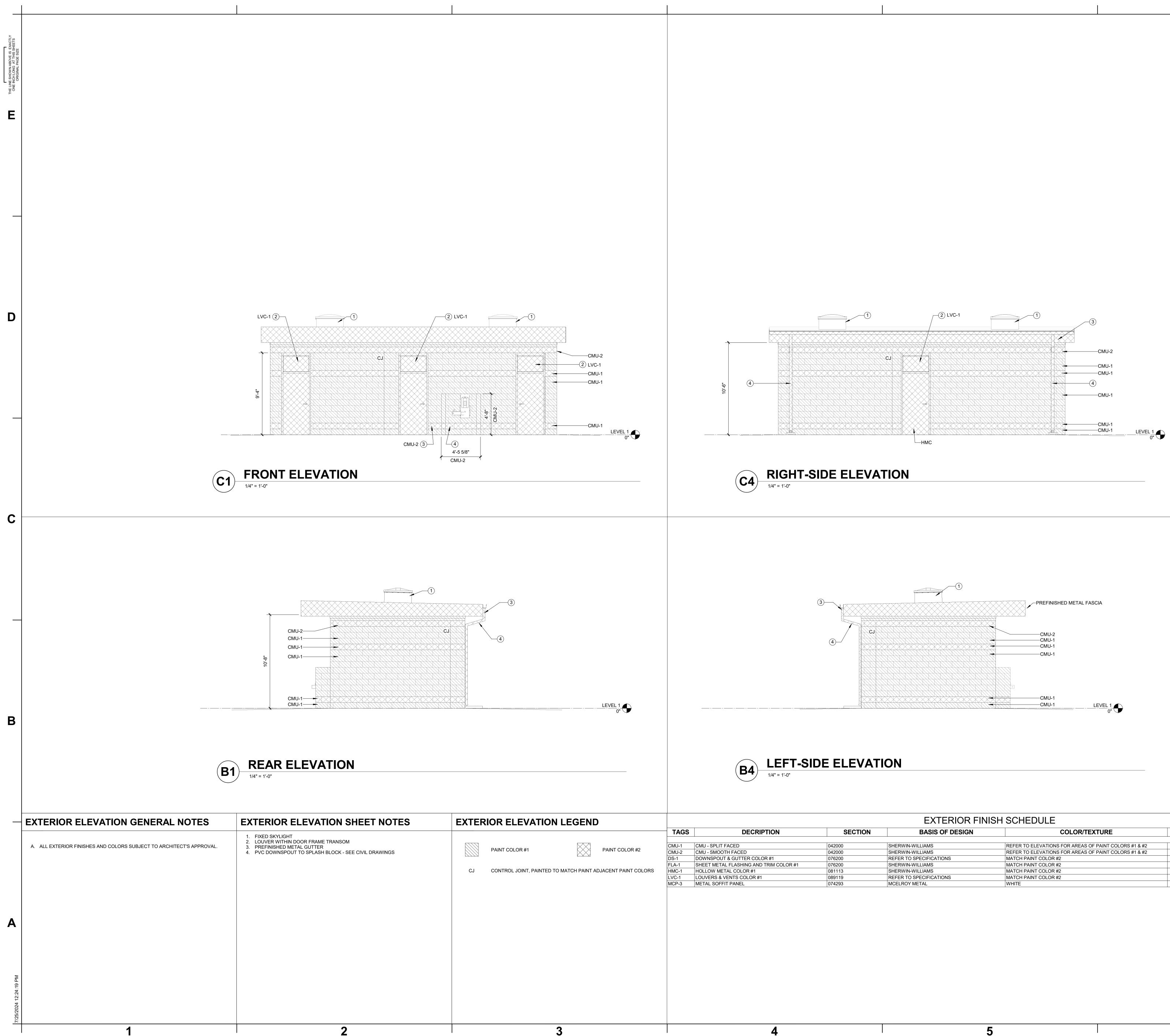




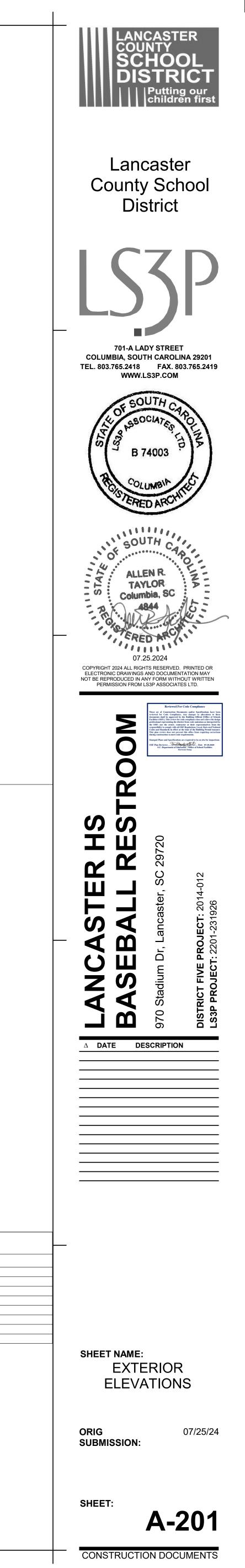
SITE PLAN SHEET NOTES	SITE PLAN GENERAL NOTES
1. XXX	A. THIS SHEET IS FOR REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SITE IMPROVEMENTS.

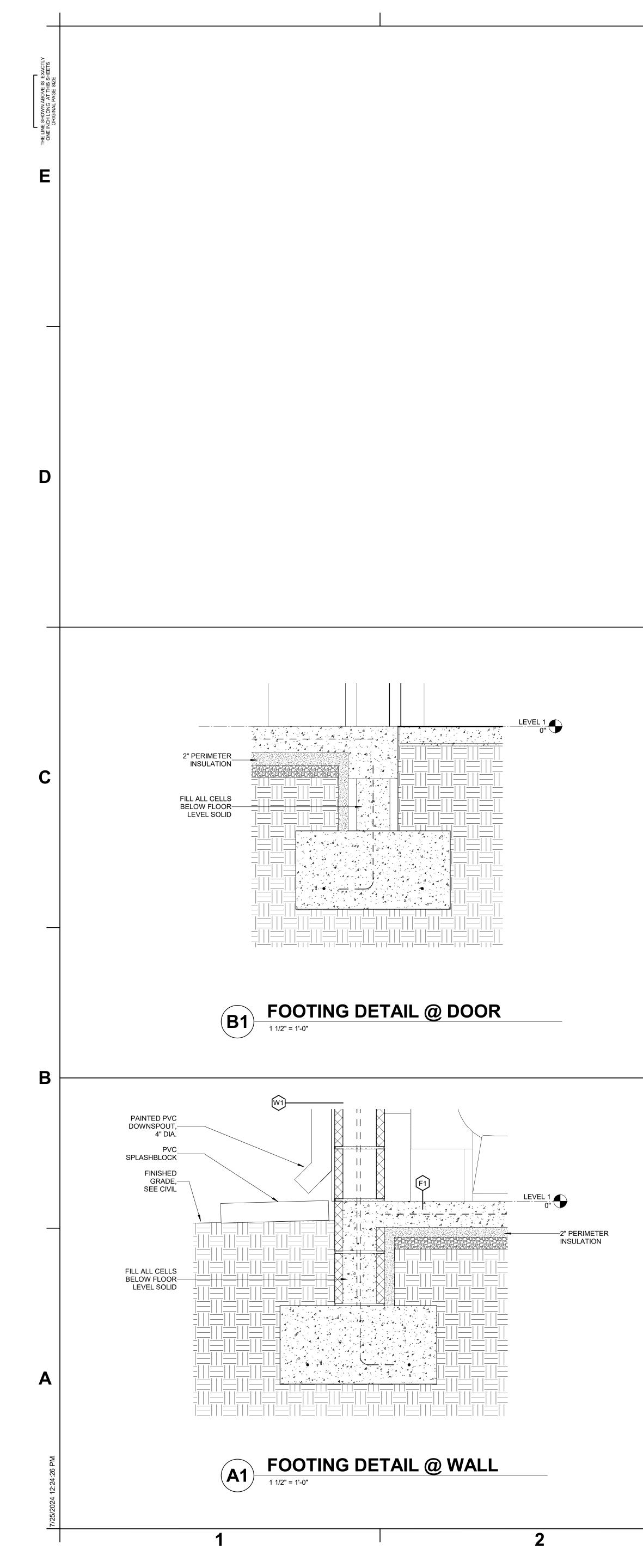


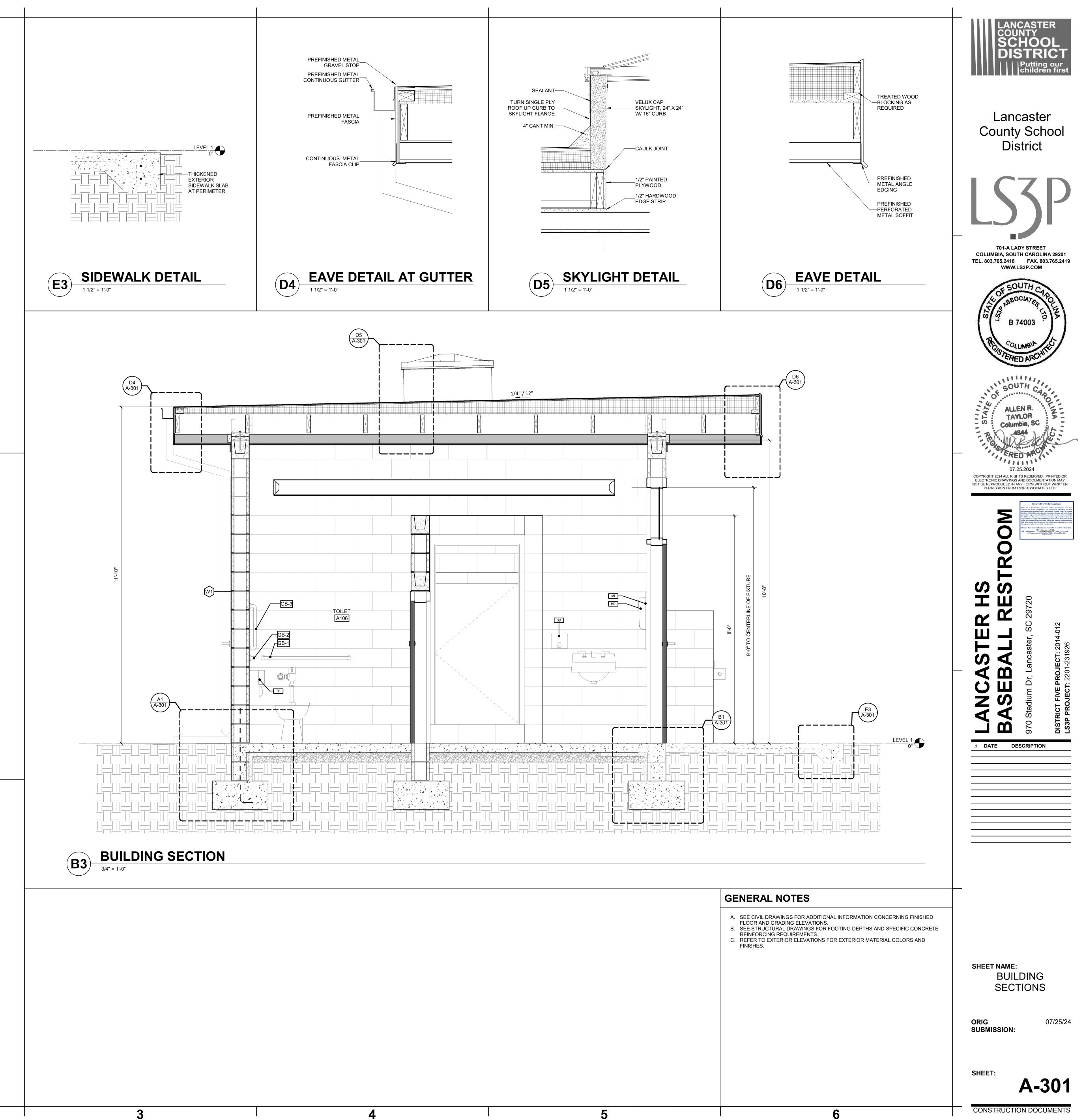




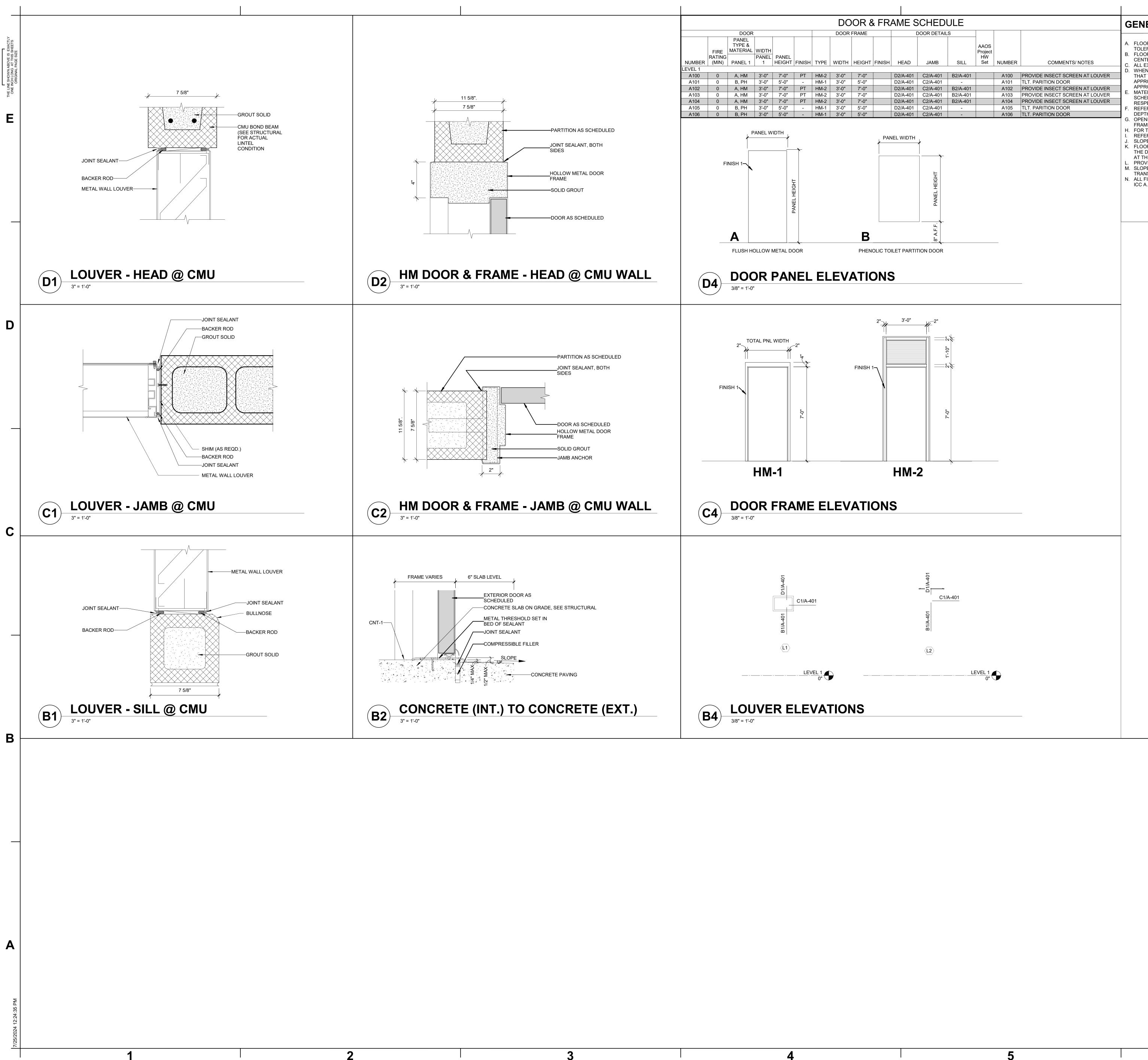
SECTION	BASIS OF DESIGN	COLOR/TEXTURE	REMARKS
)0	SHERWIN-WILLIAMS	REFER TO ELEVATIONS FOR AREAS OF PAINT COLORS #1 & #2	
00	SHERWIN-WILLIAMS	REFER TO ELEVATIONS FOR AREAS OF PAINT COLORS #1 & #2	
)0	REFER TO SPECIFICATIONS	MATCH PAINT COLOR #2	
00	SHERWIN-WILLIAMS	MATCH PAINT COLOR #2	
3	SHERWIN-WILLIAMS	MATCH PAINT COLOR #2	
9	REFER TO SPECIFICATIONS	MATCH PAINT COLOR #2	
3	MCELROY METAL	WHITE	





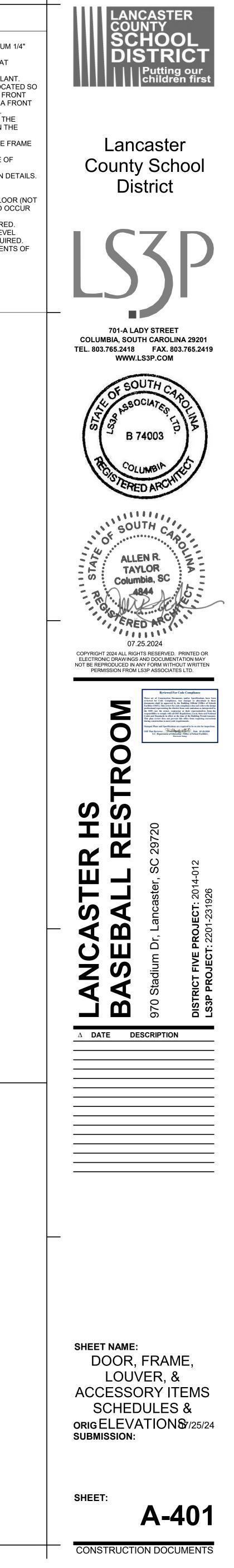


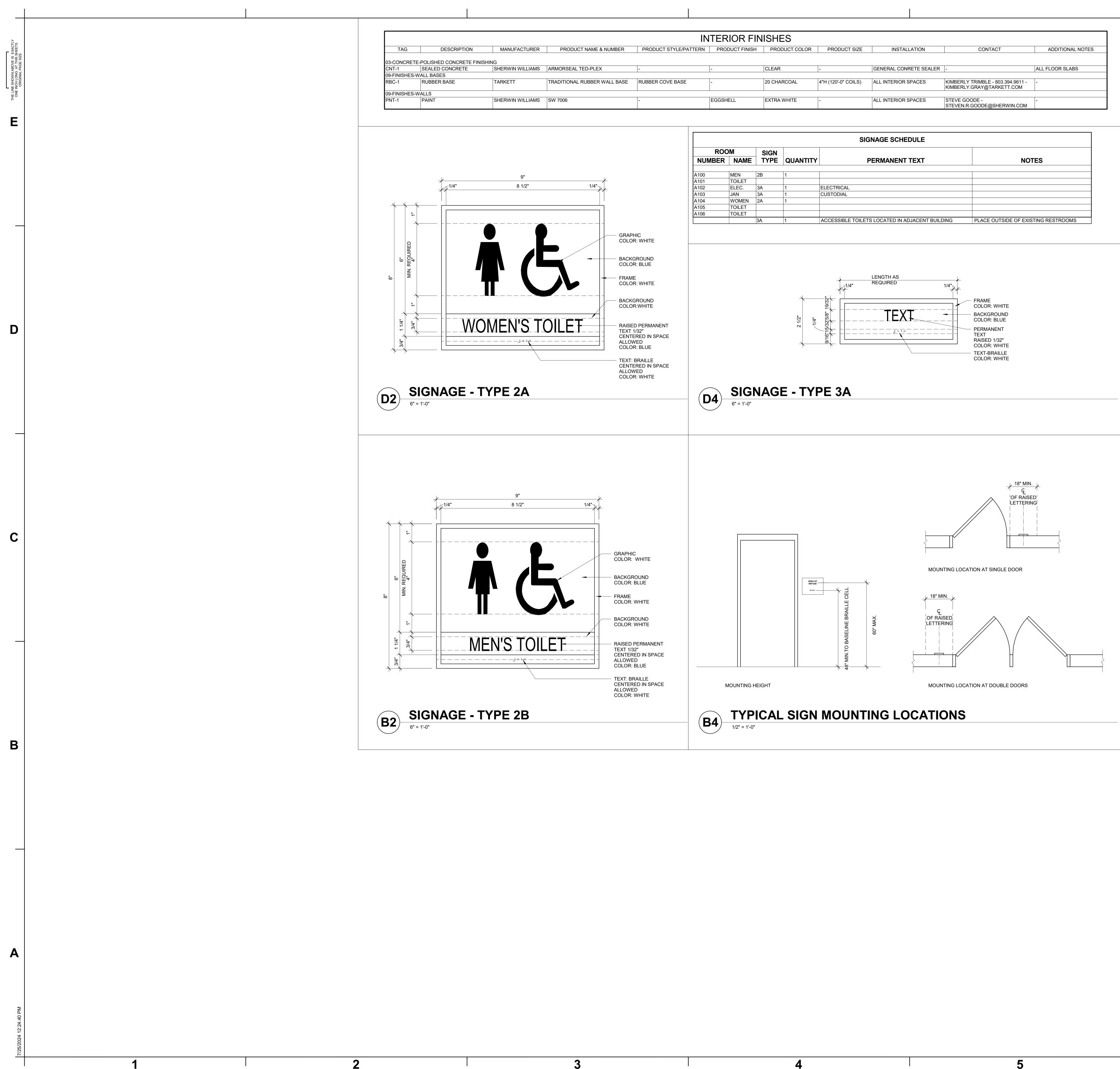
GENERAL NOTES
 A. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION CONCERNING FIFLOOR AND GRADING ELEVATIONS. B. SEE STRUCTURAL DRAWINGS FOR FOOTING DEPTHS AND SPECIFIC CREINFORCING REQUIREMENTS. C. REFER TO EXTERIOR ELEVATIONS FOR EXTERIOR MATERIAL COLORS FINISHES.



GENERAL NOTES

- . FLOOR FINISHES TO BE LEVEL AND FLUSH WITH THRESHOLD, WITH MAXIMUM 1/4" TOLERANCE, TYPICAL.
 B. FLOOR TRANSITIONS THAT OCCUR WITHIN DOOR THRESHOLD TO OCCUR AT CENTERLINE OF CLOSED DOOR, TYPICAL U.N.O.
- ALL EXTERIOR METAL THRESHOLDS ARE TO BE SET IN A FULL BED OF SEALANT. WHEN LOCATING DOOR FRAMES WITHIN A WALL, THE FRAME SHALL BE LOCATED SO THAT THERE IS 18" MIN. CLEAR SPACE LOCATED ON THE LATCH SIDE ON A FRONT APPROACH PULL SIDE. THERE SHALL BE 12" MIN. ON THE LATCH SIDE FOR A FRONT
- APPROACH PUSH SIDE WHEN BOTH A CLOSER AND LATCH ARE PROVIDED. MATERIALS, FINISHES, AND INSTALLATION OF PRODUCTS REFERENCED IN THE SCHEDULE SHALL BE IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN THE
- RESPECTIVE PRODUCT SECTIONS. REFER TO PARTITION TYPES AS INDICATED ON SHEET A-001 TO DETERMINE FRAME DEPTH. OPENING SIZES INDICATED REFER TO DOOR OPENING DIMENSIONS INSIDE OF
- FRAME. H. FOR TYPICAL INTERNAL DOOR SILL DETAILS, REFER TO FLOOR TRANSITION DETAILS. REFER TO SPECIFICATIONS FOR DOOR HARDWARE ALLOWANCE. . SLOPE FLOOR TO DRAIN.
- K. FLOORING TRANSITIONS TO OCCUR BENEATH THE CENTERLINE OF THE FLOOR (NOT THE DOOR OPENING). WHEN NO DOOR IS PRESENT, THE TRANSITION IS TO OCCUR AT THE CENTERLINE OF THE OPENING. PROVIDE CRACK ISOLATION AND WATERPROOFING MEMBRANE AS REQUIRED.
- M. SLOPE FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS TO PROVIDE LEVEL TRANSITION AT ALL FLOORING MATERIAL CHANGES/THRESHOLDS AS REQUIRED. N. ALL FIXTURE AND ACCESSORY INSTALLATION MUST MEET THE REQUIREMENTS OF ICC A.117.1-2017.





				IN	TERIOR FIN	IISHES	
	DESCRIPTION	MANUFACTURER	PRODUCT NAME & NUMBER	PRODUCT STYLE/PATTERN	PRODUCT FINISH	PRODUCT COLOR	PRODUCT SIZE
TE	-POLISHED CONCRETE FINISHIN	IG					
	SEALED CONCRETE	SHERWIN WILLIAMS	ARMORSEAL TED-PLEX	-	-	CLEAR	-
5-W	/ALL BASES						
	RUBBER BASE	TARKETT	TRADITIONAL RUBBER WALL BASE	RUBBER COVE BASE	-	20 CHARCOAL	4"H (120'-0" COILS)
3-W	ALLS	•				•	•
	PAINT	SHERWIN WILLIAMS	SW 7006	-	EGGSHELL	EXTRA WHITE	-

GENERAL NOTES

C.

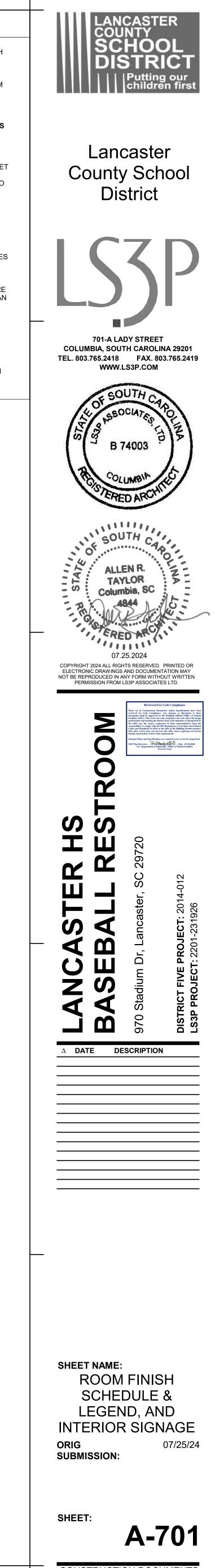
D.

F

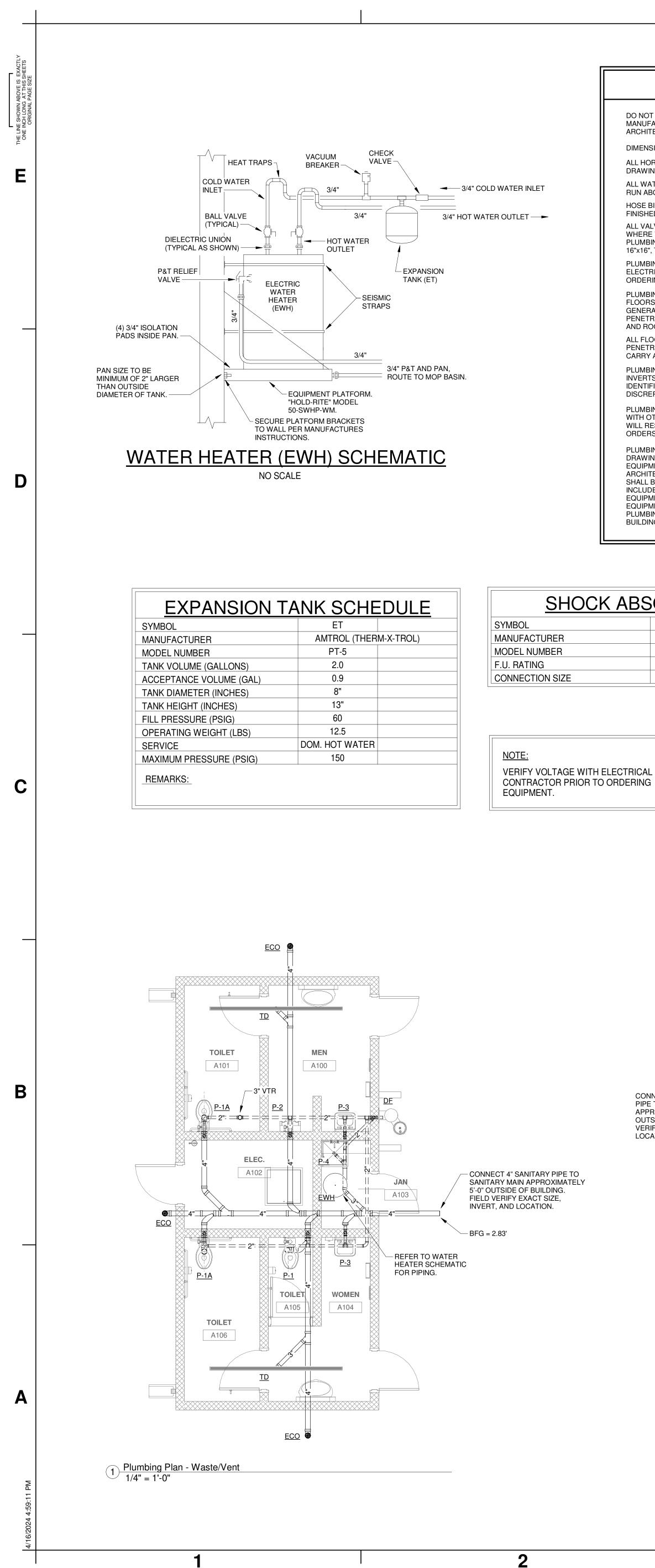
G.

Η.

- A. PROVIDE CONCEALED STUD MOUNTING WITH THREADED BOLT THROUGH TRUSS.
- B. OWNER TO APPROVE FINAL SIGNAGE SCHEDULE COPY, COLOR SELECTIONS AND FINAL LOCATIONS. ALL DESIGN, COLOR, AND COPY ELEMENTS TO BE APPROVED BY OWNER PRIOR TO ORDER ENTRY. ROOM NAMES AND NUMBERS LISTED IN THESE DOCUMENTS MAY DIFFER FROM FINAL NAMES AND NUMBERS.
- ALL TEXT TO USE FONT STYLE AS CHOSEN BY THE OWNER, WITH ALL LETTERS CAPITALIZED. ALL SIGNAGE REQUIRED BY CODE MUST MEET REQUIREMENTS OF 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS
- AND FACILITIES. PROVIDE GRADE 2 BRAILLE. ALL SIGNS IDENTIFYING SAFETY DEVICES SUCH AS FIRE ALARM PULL STATIONS, FIRE EXTINGUISHERS, ETC., TO BE LOCATED AT A HEIGHT HORIZONTALLY ALONG THE SAME CENTERLINE OF THE DEVICE IT IS IDENTIFYING. LOCATE SAFTEY DEVICE SIGNS FOR ITEMS WITHIN A CABINET ON THE SIGN ADJACENT TO THE PULL/HANDLE, 2" FROM THE DEVICE'S EDGE. FOR SAFETY DEVICES NOT WITHIN A CABINET, LOCATE SIGNS 2" TO THE RIGHT OF DEVICES, AS SPACE ALLOWS, TO THE LEFT IN SPACE TO
- THE RIGHT AS OBSTRUCTED. ALL SIGNS TO BE MOUNTED FOLLOWING ANSI A117.1-2009 GUIDELINES, E. PLACING EDGE OF SIGN 2" FROM FRAME AT DOOR/FRAMED OPENINGS, LATCH SIDE OF DOOR, OR 2" FROM EDGE OF OPENING IF NO FRAME IS USED, UNLESS NOTED OTHERWISE. LOCATE SIGN ON FACE OF WALL LEADING INTO SPACE WITH SIGN NAME, U.N.O.
- PROVIDE A QUANTITY OF ONE PANEL SIGN AT EACH DOOR TO BE PROVIDED, LEADING INTO A SPACE (AS DIRECTED BY VARIOUS SIGN TYPES SHOWN). FINAL SIGNAGE TYPES AND LOCATIONS TO BE APPROVED BY OWNER.
- PROVIDE SIGN TYPE 3A WITH APPROPRIATE COPY AT EACH SAFETY DEVICE INTENDED FOR PUBLIC USE INCLUDING, BUT NOT LIMITED TO, FIRE EXTINGUISHERS, FIRE ALARM PULL STATIONS AND EMERGENCY HVAC FAN STOPS.
- A SIGN STATING "EXIT" IN RAISED CHARACTERS AND BRAILLE AND COMPLYING WITH ICC A 117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.
- COORDINATE SIGNAGE LOCATIONS IN FIELD WITH ARCHITECT OR VIA SUBMITTAL WHERE MULTIPLE SIGNAGE QUANTITIES ARE SHOWN. COORDINATE ALL FINAL SIGN TEXT WITH OWNER PRIOR TO FABRICATION OF SIGNAGE. ALL TEXT TO USE FONT STYLE AS CHOSEN BY THE OWNER, WITH ALL LETTERS CAPITALIZED.



CONSTRUCTION DOCUMENTS



GENERAL PLUMBING NOTES

DO NOT SCALE DRAWINGS. ROUGH FROM ARCHITECTURAL AND/OR EQUIPMENT MANUFACTURERS DRAWINGS AND ROUGH IN SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND PLACEMENT OF FIXTURES. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

ALL HORIZONTAL SANITARY SEWER, WASTE AND DRAIN PIPING SHOWN ON DRAWINGS IS RUN BELOW FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS. ALL WATER, SERVICE AND ROOF DRAIN PIPING SHOWN ON DRAWINGS IS RUN ABOVE CEILING UNLESS OTHERWISE NOTED ON DRAWINGS. HOSE BIBBS AND/OR WALL HYDRANTS SHALL BE LOCATED 18" ABOVE

FINISHED FLOOR LEVEL OR GRADE. ALL VALVES INSTALLED ABOVE CEILINGS SHALL BE EASILY ACCESSIBLE. WHERE VALVES ARE INSTALLED ABOVE GYPSUM BOARD CEILINGS, PLUMBING CONTRACTOR SHALL PROVIDE ACCESS DOOR(S); MINIMUM 16"x16", TO ALLOW EASY ACCESS.

PLUMBING CONTRACTOR SHALL VERIFY ELECTRICAL VOLTAGES WITH ELECTRICAL CONTRACTOR PRIOR TO SUBMITTING SHOP DRAWING AND ORDERING EQUIPMENT.

PLUMBING CONTRACTOR SHALL VERIFY ALL RATED WALL ASSEMBLIES, FLOORS AND ROOF ASSEMBLIES WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR AND SHALL PROVIDE APPROPRIATE PENETRATION ASSEMBLY FOR ALL PENETRATIONS OF WALLS, FLOORS AND ROOFS WHETHER IDENTIFIED ON DRAWINGS OR NOT. ALL FLOOR PENETRATIONS ARE TO BE SEALED WATER TIGHT. WHERE

PENETRATIONS OCCUR IN RAISED FLOOR ASSEMBLIES, SEALING MUST CARRY A CLASS 1 "W" RATING.

PLUMBING CONTRACTOR SHALL VERIFY LOCATION, ELEVATIONS AND INVERTS OF ALL EXISTING SANITARY AND STORM SEWER SYSTEMS IDENTIFIED ON THESE DRAWINGS AND SHALL ADVISE ENGINEER OF ANY DISCREPANCIES WHICH EXISTS.

PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH OTHER DISCIPLINES TO ELIMINATE CONFLICTS. FAILURE TO DO SO WILL RESULT IN PLUMBING CONTRACTOR BEARING EXPENSE OF CHANGE ORDERS WHICH MAY RESULT.

PLUMBING CONTRACTOR SHALL REVIEW ALL PLUMBING AND ARCHITECTURAL DRAWINGS PRIOR TO BID DATE AND VERIFY NUMBER AND LOCATION OF ALL EQUIPMENT AND FIXTURES. ANY EQUIPMENT AND/OR FIXTURES INDICATED ON ARCHITECTURAL DRAWINGS AND NOT SHOWN ON PLUMBING DRAWINGS SHALL BE INCLUDED IN CONTRACTORS BID AND SCOPE OF WORK AND SHALL INCLUDE ALL MATERIALS, PIPING AND LABOR REQUIRED TO CONNECT EQUIPMENT AND/OR FIXTURES TO NEAREST SERVICE OF ADEQUATE SIZE. EQUIPMENT AND/OR FIXTURES SHALL BE AS SPECIFIED OR APPROVED EQUAL. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW BUILDING WITH STRUCTURAL DRAWINGS TO AVOID CONFLICTS.

ABS	ABSORBER SCHEDULE					
	SA-AA	SA-A	SA-B			
		SIOUX CHIEF				
	660	652-A	653-B			
	1-4	4-11	12-32			

1/2"	1/2"	3/4"
		I

NOTE:

ALL OVERHEAD PLUMBING PIPING TO BE LABELED. VALVES TO BE TAGGED AND VALVE CHART ISSUED TO OWNER UPON COMPLETION. REFER TO PLUMBING SPECIFICATIONS.

ALL PIPING SHALL BE SUPPORTED FROM STRUCTURAL STEEL AND/OR CONCRETE BEAMS AND STRUCTURE. PIPING SUPPORTED FROM ROOF AND/OR FLOOR METAL DECKING WILL NOT BE ALLOWED. ALL PLUMBING WORK IS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST

EDITION OF THE 2021 INTERNATIONAL PLUMBING CODE AND IN ACCORDANCE

WITH ALL STATE AND LOCAL REQUIREMENTS. SLOPE ON ALL SEWER, WASTE AND DRAIN PIPING SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE 2021 INTERNATIONAL PLUMBING CODE.

GENERAL AND PLUMBING CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ENGINEER/ARCHITECT. PROVIDE GENERAL & PLUMBING "APPROVED" OR "APPROVED AS NOTED" STAMPS ON SUBMITTAL PRIOR TO SUBMITTING FOR ENGINEER'S/ARCHITECT'S REVIEW.

ALL WATER PIPING INSTALLED ABOVE GRADE OUTSIDE OF THE BUILDING HEATED ENVELOPE IS TO BE HEAT TRACED AND INSULATED. LOCATIONS INCLUDE BUT ARE NOT LIMITED TO BUILDING EXTERIOR, ATTICS, CRAWLSPACES, AND GARAGES. HEAT TRACE IS TO BE SELF REGULATING RAYCHEM XL TRACE; 5 WATTS/FT; OR EQUAL. INSULATION TO BE 1" FIBERGLASS. WHERE INSULATION IS EXPOSED TO PRECIPITATION, ALUMINUM JACKET IS TO BE PROVIDED.

INSULATE ALL WATER PIPE, HORIZONTAL ROOF DRAIN PIPING, AND SANITARY SEWER PIPING WHICH RECEIVES CONDENSATE FROM MECHANICAL UNITS AND OR DISCHARGE FROM ICE MACHINES/MAKERS, ABOVE GRADE WITH 1" THICK FIBERGLASS PIPE INSULATION, 3 LB. DENSITY, GASTON-BARON SNAP-ON, OWENS CORNING FIBERGLASS, OR KNAUF WITH STANDARD VAPOR BARRIER JACKET. SEAL ALL SEAMS AND JOINTS WITH WATERPROOF MASTIC. IN EXPOSED INTERIOR AREAS, SUCH AS MECHANICAL ROOMS, COVER INSULATION WITH 10 OZ. CANVAS JACKET SECURED AND TREATED WITH AEROSOL ADHESIVE AND INSTALL PVC JACKETS AT ALL ELBOWS, JOINTS ETC. COVER INSULATION IN EXTERIOR EXPOSED AREAS WITH .016" CORRUGATED ALUMINUM JACKET. SECURE JACKET WITH BANDS AND SEAL WATER TIGHT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

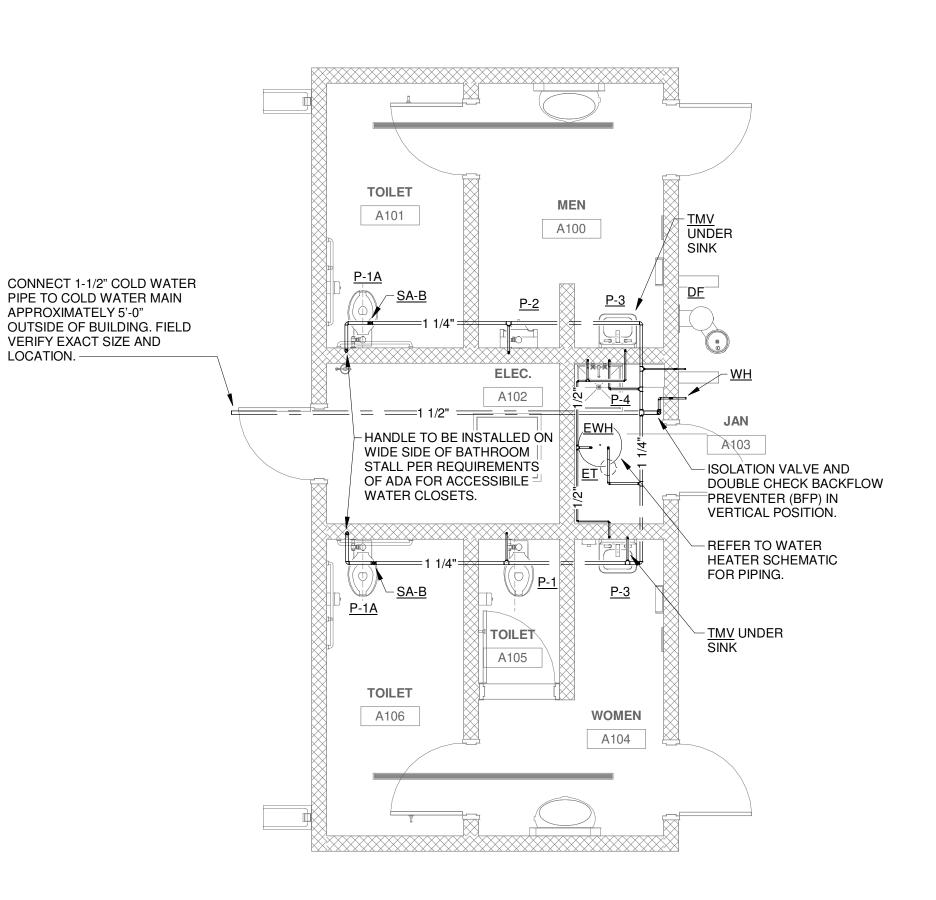
PLUMBING CONTRACTOR TO FLUSH, CLEAN, AND SCOPE ALL BELOW SLAB WASTE PIPING WITH CAMERA PRIOR TO SLAB BEING POURED. CAMERA SCOPE SHALL TAKE PLACE IMMEDIATELY AFTER WATER HAS BEEN DRAINED FROM THE PIPE AND AFTER BACKFILL AND COMPACTION. AT THE CONTRACTOR'S OPTION, AN ADDITIONAL SCOPE MAY BE PERFORMED PRIOR TO BACKFILL. PROVIDE TAPE TO ENGINEER FOR REVIEW. IF AREAS OF BELOW SLAB PIPING ARE DETERMINED TO BE UNSATISFACTORY. THE CONTRACTOR SHALL REMOVE AND REPAIR PIPING TO A SATISFACTORY CONDITION. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL CAMERA BELOW SLAB PIPE, AND PROVIDE A TAPE OF FINAL

CONDITIONS WITH DESCRIPTION OF PIPE LOCATION TO THE OWNER.

NOTES TO SHEET:

1. SLOPE ALL DOMESTIC WATER PIPING BACK TO WALL HYDRANT TO SERVE AS BUILDING DRAIN DOWN.

2. INSTALL WATTS, OR APPROVED EQUAL, MODEL 007M2-QT 1-1/2" DOUBLE CHECK BACKFLOW PREVENTER IN VERTICAL RISER.



3 Plumbing Plan - Water Supply 1/4" = 1'-0"

3

PLUMBING FIXTURE SCHEDULE

		CONNEC	ΓΙΟΝ	
SYMBOL	DESCRIPTION	CW HW	WASTE	REMARKS
P-1	WATER CLOSET	1-1/4"	4"	FLOOR MOUNTED FLUSH VALVE
P-1A	WATER CLOSET - ADA	1-1/4"	4"	FLOOR MOUNTED FLUSH VALVE
P-2	URINAL	3/4"	2"	WALL MOUNTED FLUSH VALVE
P-3	LAVATORY	1/2" 1/2"	1-1/2"	RECT. WALL MOUNTED
P-4	MOP BASIN	1/2" 1/2"	3"	FLOOR MOUNTED CORNER TYPE
BF	BOTTLE FILLER	1/2"	1-1/2"	
BFP	BACKFLOW PREVENTER	2"		
ECO	EXTERIOR CLEANOUT		REMARKS	SIZE PER FLOOR PLANS
ET	EXPANSION TANK	REMARKS		REFER TO SCHEDULE
EWH	ELECTRIC WATER HEATER	1" 1"		40 GALLON 208v 4.5KW
SA	SHOCK ABSORBER	REMARKS		REFER TO SCHEDULE
TD	TRENCH DRAIN		REMARKS	SIZE PER FLOOR PLANS
TMV	MIXING VALVE	1" 1"		AT WATER HEATER
WH	WALL HYDRANT	3/4"		

PLUMBING FIXTURE SCHEDULE

SYMBOL MANUFACTURER MODEL NO. DESCRIPTION	
P-1 Kohler K-4350 WELLCOMME WATER CLOSET Vitreous china, white, floor mounted, water saving, siphon jet action, top spud water closet with 12" rough and rim height 14-3/4". I with seat by Bemis 1955SSCT elongated, white, plastic, open front less cover, bolt covers, and Sloan Regal 111-XL flush valve for top spud.	
P-1A Kohler K-4368 HIGHCLIFF WATER CLOSET	
Vitreous china, white, floor mounted, water saving, siphon jet action, top spud water closet with 12" rough and rim height 17-1/2". If with seat by Bemis 1955SSCT elongated, white, plastic, open front less cover, and Sloan Regal 111-XL flush valve for 1-1/2" top s Provide with bolt caps and install in accordance with manufacturer's recommendations for ADA compliance.	
P-2 Kohler K-4991-ET BARDON URINAL Vitreous china, white, wall hung, urinal with 3/4" top spud inlet, flush valve, Sloan Regal 186-0.5. Also provide with Zurn Z1221 urin carrier specify wall thickness as required. Install in accordance with all ADA requirements with rim height at 17" maximum. Coord flush valve mounting height prior to rough-in. Stub out to be PVC with PVXC flange, no copper or galvanized steel.	
P-3 Kohler K-2867 HUDSON LAVATORY Enamel coated cast iron, 20"x18", white, wall hung lavatory. Provide with Delta 501LF-HDF 4" chrome plated brass single lever fa with vandal resistant handle and aerator. Provide with McGuire 155A2 CP brass drain plug with strainer and 1-1/2" OD tail piece, H heavy supply stops, and 8912 1-1/2" x 1-1/2" CP cast brass "P" trap with cleanout. Provide with Zurn Z1231 or Z1251 concealed a carrier as wall construction dictates and with Handi Lav-Guard insulation kit, Model No. 102 W (white.)	1175
P-4 Florestone Model 96 MOP SINK BASIN Terrazzo drop-front basin 24" x 24" with Chicago No. 897 rough chrome plated service sink fitting with 3/4" hose thread on spout ar 369 handles, wall brace, pail hook, and No. R 1/2" flanged female adjustable arms with integral stops. Provide with Florestone MR hose and clamp, MR-372 mop hanger with three clamps, and MR-377 stainless steel wall panels. Seal basin with silicone sealant.	-370
DF Murdock GRE24-R-FRA2 BI-LEVEL DRINKING FOUNTAIN Wall mounted, freeze-resistant, vandal resistant, 18 gauge, type 304 stainless steel drinking fountain. Provide with on-wall carrier mounting plate.	
ECOZurnZB-1400-HD-BP-NLEXTERIOR CLEANOUTHeavy duty Neo-Loc cast iron body exterior cleanout with bronze plug, and heavy duty polished bronze top.Size per plumbing draand install in concrete encasement as detailed on drawings.Size per plumbing dra	wings
EWHStatePCE-20-10MSAWATER HEATERElectric water heater with 20 gallon storage capacity.Unit power shall be as specified on electrical drawings.Unit shall be providetwo non-simultaneous 4500 watt elements.Water heater shall be UL listed and shall have standby losses meeting the latest USDepartment of Energy and ASHRAE requirements.Provide with 5-year tank warranty.	d with
TD NDS 8003 TRENCH DRAIN Polyolefin trench drain with bottom center outlet. Provide with end caps. Color to be gray.	
WH Woodford 67 WALL HYDRANT Automatic draining, freezeproof box wall hydrant with copper casing, chrome finish, 3/4" hose thread outlet and vacuum breaker-ba preventer. Provide with one loose key per hydrant.	ackflow

SPECIFICATIONS: Water Piping:

1. All pipe, fittings, valves, faucets, etc., or any product used for dispensing potable water shall be fully compliant with the "Reduction of Lead in Drinking Water Act" and shall meet the requirements of NSF 61 and NSF 372 test standards.

2. All water piping shall be copper, hard drawn, with wrought copper fittings, soldered (95-5) unless otherwise approved by the Engineer. Water pipe below grade shall be type K; water pipe above grade shall be type L. Copper pipe shall be as manufactured by Mueller, Cerro, or Howell. Fittings shall be Nibco or Elkhart.

3. All fixtures shall have shock absorbers as specified to prevent "water hammer". All lavatories and sinks shall be furnished with hot and cold water shock absorbers by Souix Chief, "mini-rester" size AA, or equal product by PPP or Watts. All flush valves or other quick-closing devices shall be protected with specified shock absorbers. All plumbing fixtures are to be trapped and contain chrome plated stops on all supplies.

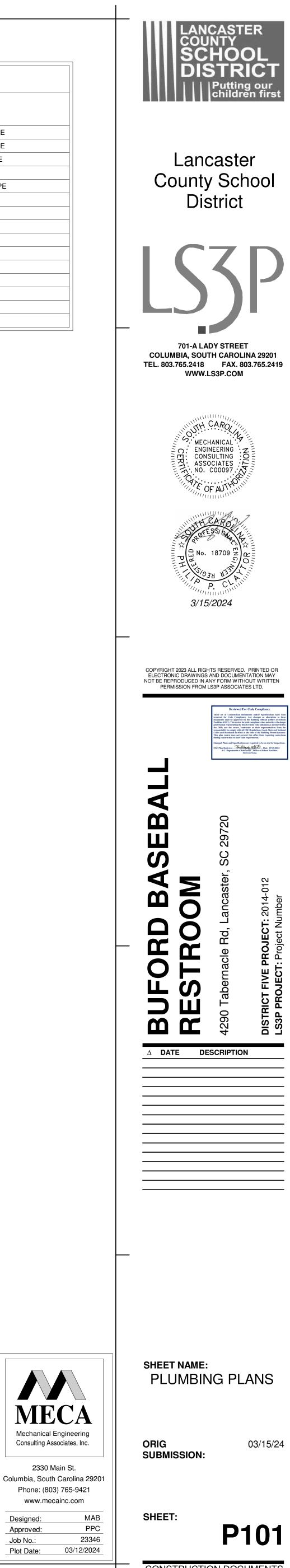
4. Provide unions and isolation valves at each piece of equipment.

Soil, Waste, Drain, and Vent Piping:

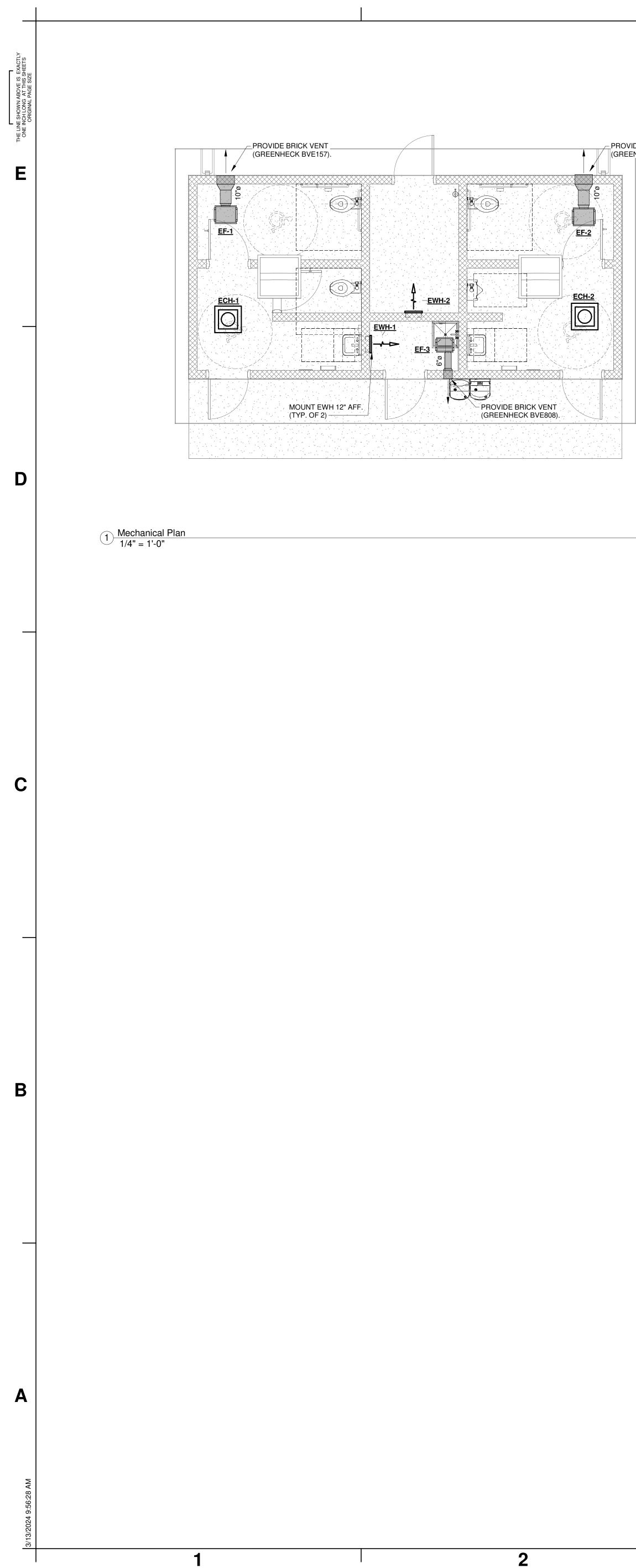
1. All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute (CISPI) and be listed by NSF International.

2. Soil, waste, drain, and vent, piping above and below grade slab inside and outside of the building to 5' shall be solid core schedule 40 PVC-DWV pipe, ASTM D-2665-73.

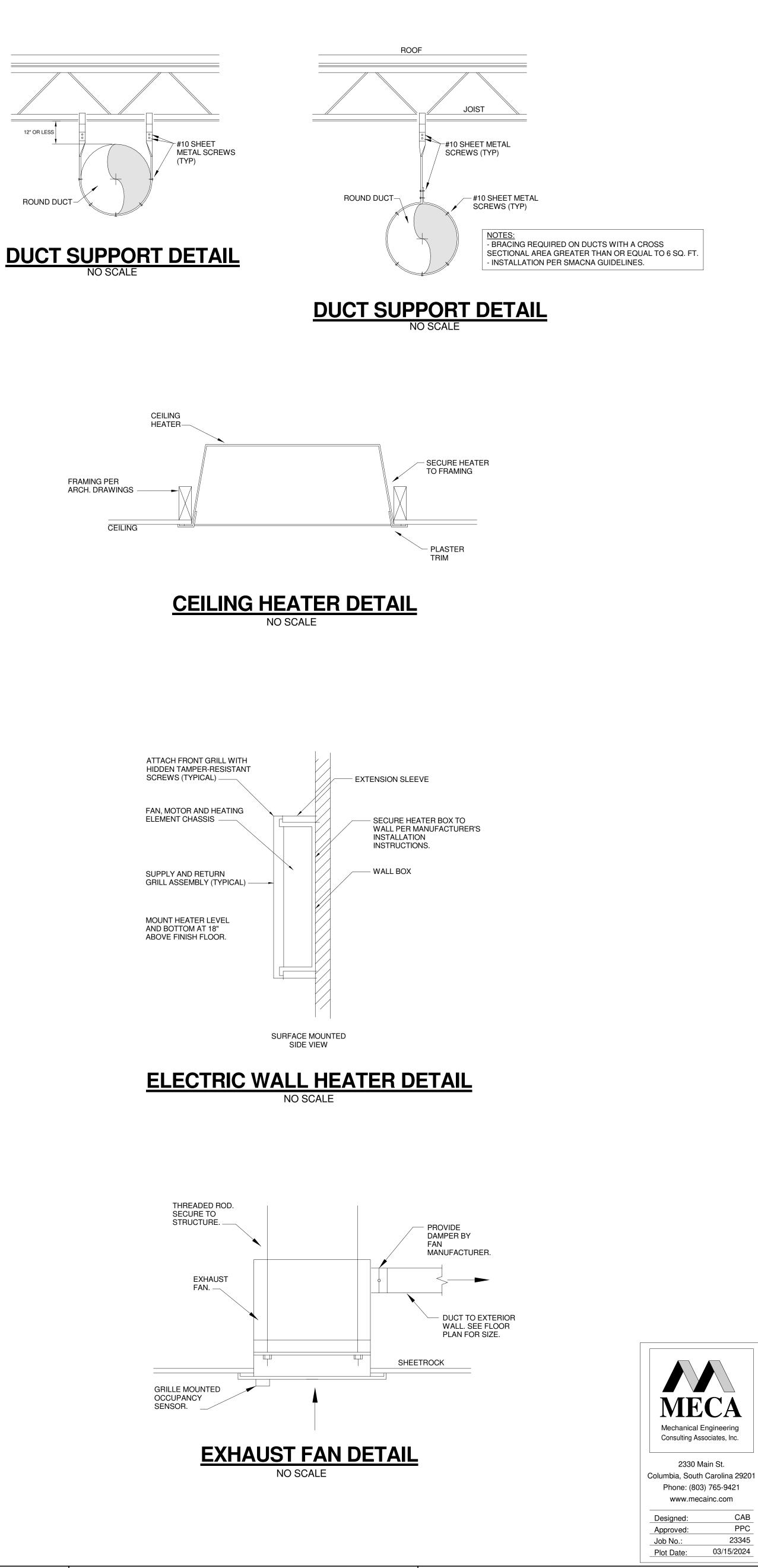
}	NEW SANITARY SEWER PIPING
3	NEW VENT PIPING
	NEW COLD WATER PIPING
	NEW HOT WATER PIPING

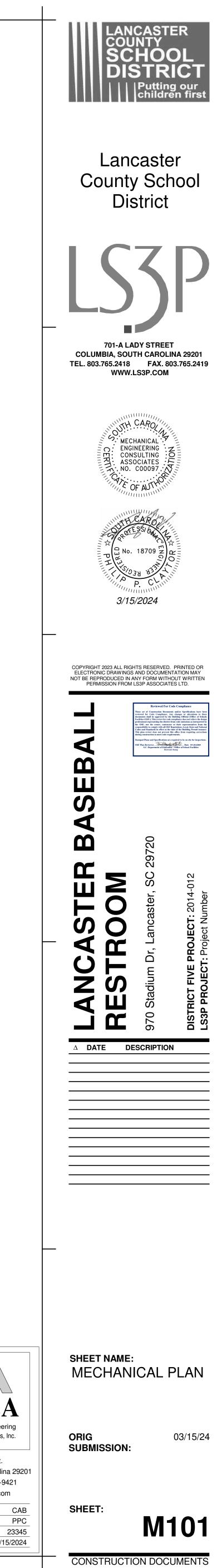


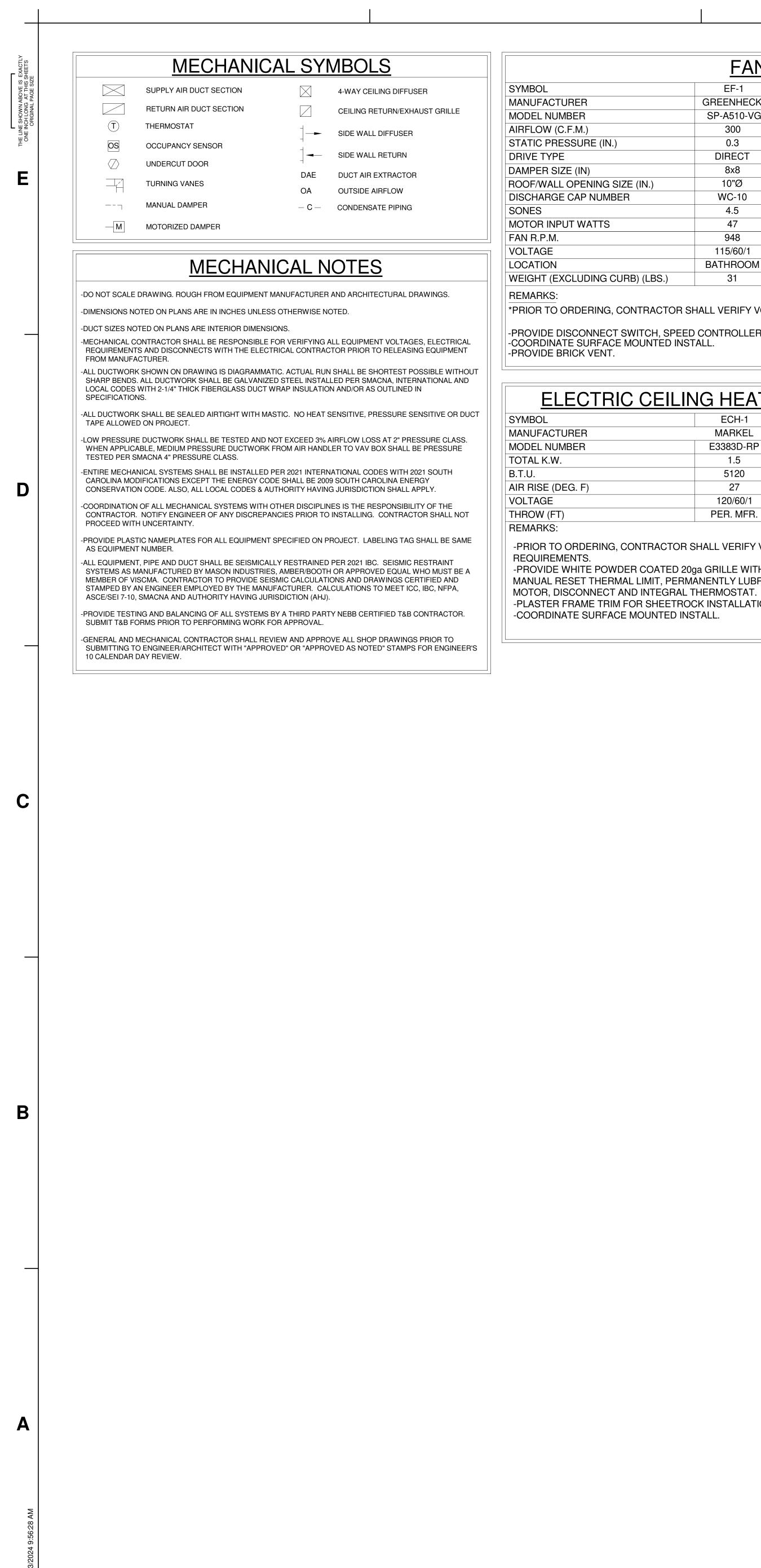
CONSTRUCTION DOCUMENTS



- PROVIDE BRICK VENT (GREENHECK BVE157).







	FAN	SCHEDU	LE	ELEC
	EF-1	EF-2	EF-3	SYMBOL
	GREENHECK	GREENHECK	GREENHECK	MANUFACTURER
	SP-A510-VG	SP-A510-VG	SP-B80	MODEL NUMBER
	300	300	75	TOTAL K.W.
N.)	0.3	0.3	0.3	B.T.U.
	DIRECT	DIRECT	DIRECT	AIR RISE (°F)
	8x8	8x8	6"Ø	VOLTAGE
i SIZE (IN.)	10"Ø	10"Ø	6"Ø	MOUNTING TYPE
1BER	WC-10	WC-10	WC-6	REMARKS:
	4.5	4.5	0.9	
6	47	47	18	REQUIREMENTS.
	948	948	900	
	115/60/1	115/60/1	115/60/1	-PROVIDE FORCED
	BATHROOM	BATHROOM	BATHROOM	MOTOR, MANUAL R
CURB) (LBS.)	31	31	10	INTEGRAL CIRCUIT
		•		

*PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL REQUIREMENTS.

PROVIDE DISCONNECT SWITCH, SPEED CONTROLLER, AND GRILLE MOUNTED MOTION DETECTOR.

ELECTRIC CEILING HEATER SCHEDULE

ECH-1	ECH-2	
MARKEL	MARKEL	
E3383D-RP	E3383D-RP	
1.5	1.5	
5120	5120	
27	27	
120/60/1	120/60/1	
PER. MFR.	PER. MFR.	

-PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL

-PROVIDE WHITE POWDER COATED 20ga GRILLE WITH STANDARD RADIAL DIFFUSER, MANUAL RESET THERMAL LIMIT, PERMANENTLY LUBRICATED TOTALLY ENCLOSED

-PLASTER FRAME TRIM FOR SHEETROCK INSTALLATION

SPECIFICATIONS:

- 1. EXHAUST FAN & WALL CAPS BY GREENHECK OR APPROVED EQUAL.
- 2. ALL DUCTWORK TO BE GALVANIZED SHEET METAL CONSTRUCTED WITH LATEST S.M.A.C.N.A. STANDARDS.
- 3. MAXIMUM FLEX DUCT RUNS TO BE 8'-0".
- 4. PRIOR APPROVALS MUST BE SUBMITTED 10 DAYS PRIOR TO BID DATE FOR REVIEW.
- 5. ELECTRIC HEATERS BY MARKEL OR APPROVED EQUAL. UNIT SHALL BE EQUIPPED WITH MANUAL RESET THERMAL OVERLOAD. UNIT THERMOSTATIC CONTROLS SHALL BE CONCEALED WITHIN UNIT.
- 6. PROVIDE THIRD PARTY TEST AND BALANCE OF ALL EFFECTED HVAC SYSTEMS. SUBMIT TEST AND BALANCE REPORT TO ENGINEER FOR REVIEW. BALANCE DIFFUSERS TO WITHIN 10% OF INDICATED AIRFLOW.

RING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL

ED AIR HEATER WITH TOTALLY ENCLOSED, PERMANENTLY LUBRICATED RESET THERMAL OVERLOAD, INTEGRALLY MOUNTED THERMOSTAT, JIT BREAKER, HORIZONTAL STEEL LOUVERS WITH ANODIZED ALUMINUM FRAME MOUNTED IN 16ga STEEL ZINC COATED ENCLOSURE WITH TAMPER-RESISTANT SCREWS.

-PROVIDE FULL SURFACE MOUNTING EXTENSION FRAME.

2

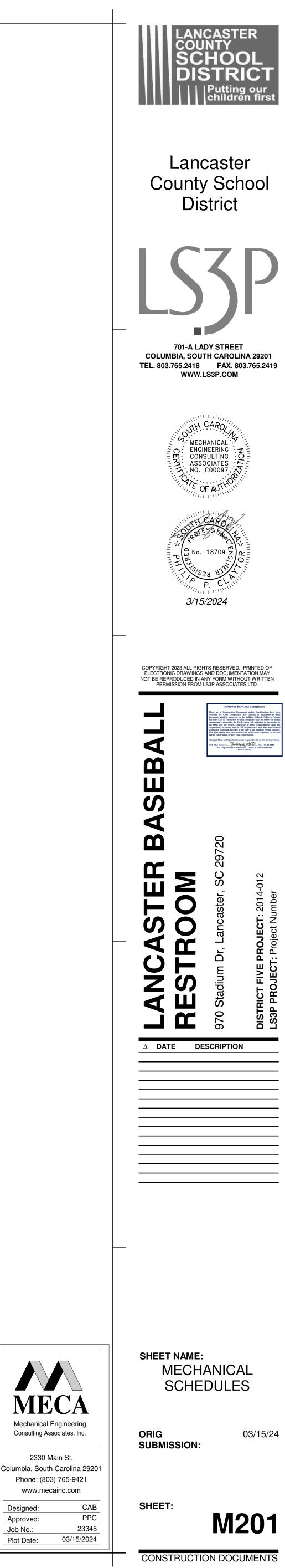
CTRIC WALL HEATER SCHEDULE

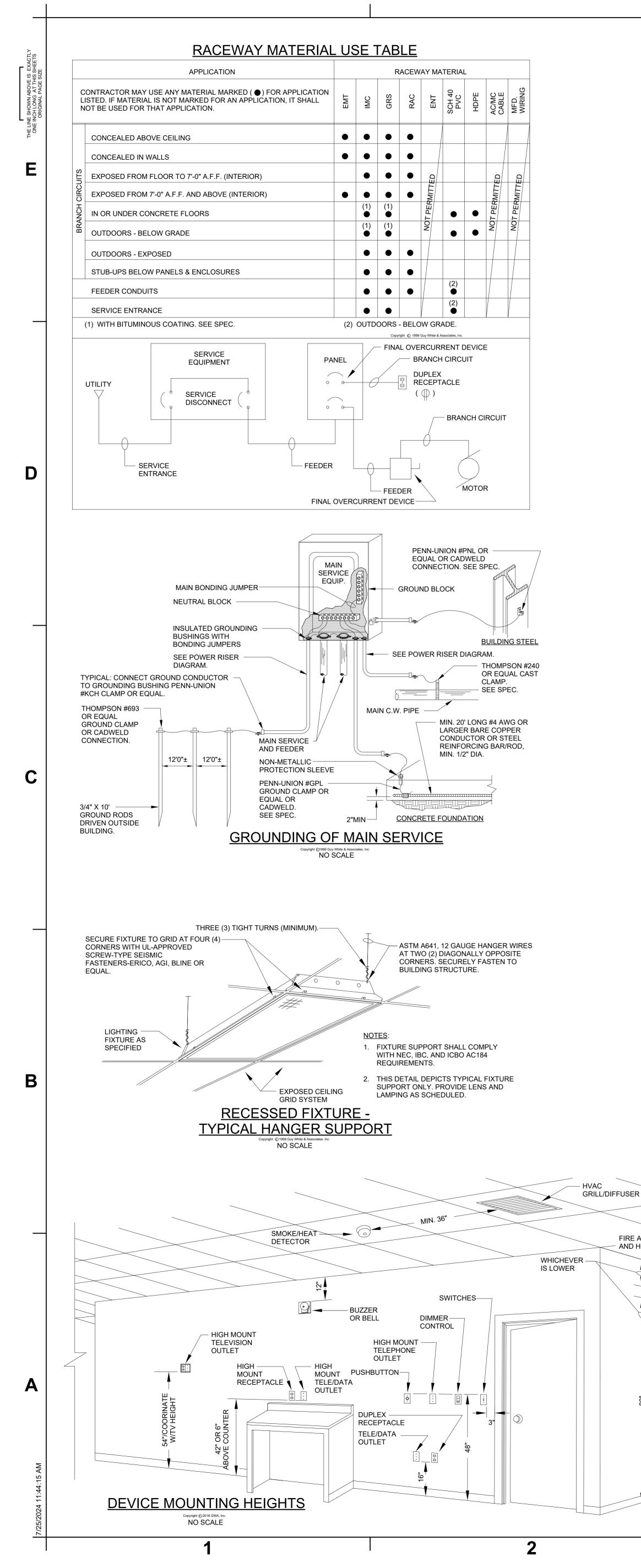
.			
	EWH-1	EWH-2	
	MARKEL	MARKEL	
	E3321TD-RP	E3321TD-RP	
	0.75	0.75	
	2560	2560	
	13.5	13.5	
	115/60/1	115/60/1	
	SURFACE	SURFACE	
_			



Columbia, South Carolina 29201 Phone: (803) 765-9421 www.mecainc.com

Designed: Approved: Job No.:





ABBREVIATIONS

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED IN THESE PLANS AND SPECIFICATIONS CONTRACTOR IS CAUTIONED THAT ALL ABBREVIATIONS LISTED MAY NOT BE USED; CONSULT

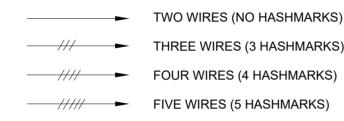


BRANCH CIRCUIT WIRING -HASMARK CODE Copyright © 1999 Guy White & Associates, In

NO SCALE

BRANCH CIRCUITS SHOWN ON THESE DRAWINGS MAY INCLUDE HASHMARKS WHICH INDICATE THE NUMBER OF WIRES TO BE PROVIDED IN A CONDUIT RUN BETWEEN OUTLETS OR JUNCTION BOXES. WIRE SIZES SHALL BE AS TABULATED IN PANELBOARD SCHEDULES UNLESS OTHERWISE INDICATED ON PLAN. SEE SYMBOL SCHEDULE FOR CONDUIT ROUTING NOTATION. HASHMARK CODE IS AS FOLLOWS:

EACH PHASE AND NEUTRAL WIRE IN A CONDUIT RUN IS REPRESENTED BY A HASHMARK. FOR EXAMPLE ·



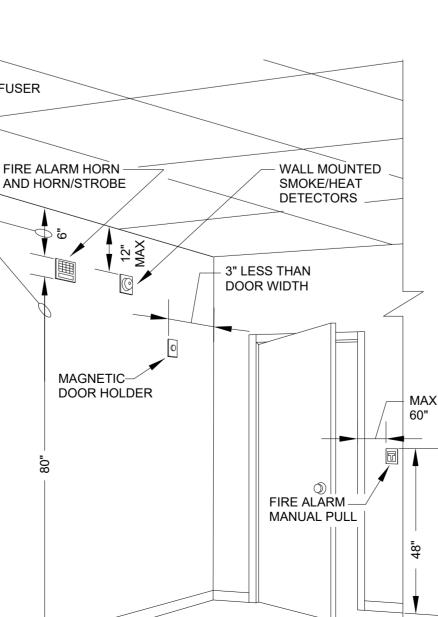
→ /// → THREE WIRES (3 HASHMARKS) FOUR WIRES (4 HASHMARKS) ──///// ► FIVE WIRES (5 HASHMARKS)

. AND SO FORTH.

NOTE: GROUND WIRES ARE NOT GENERALLY SHOWN. EXAMINE SPECIFICATIONS AND GENERAL NOTES TO DETERMINE REQUIREMENTS FOR GROUND WIRES AND WHERE SPECIFIED, PROVIDE IN ADDITION TO THE NUMBER OF WIRES INDICATED BY HASHMARK CODE.

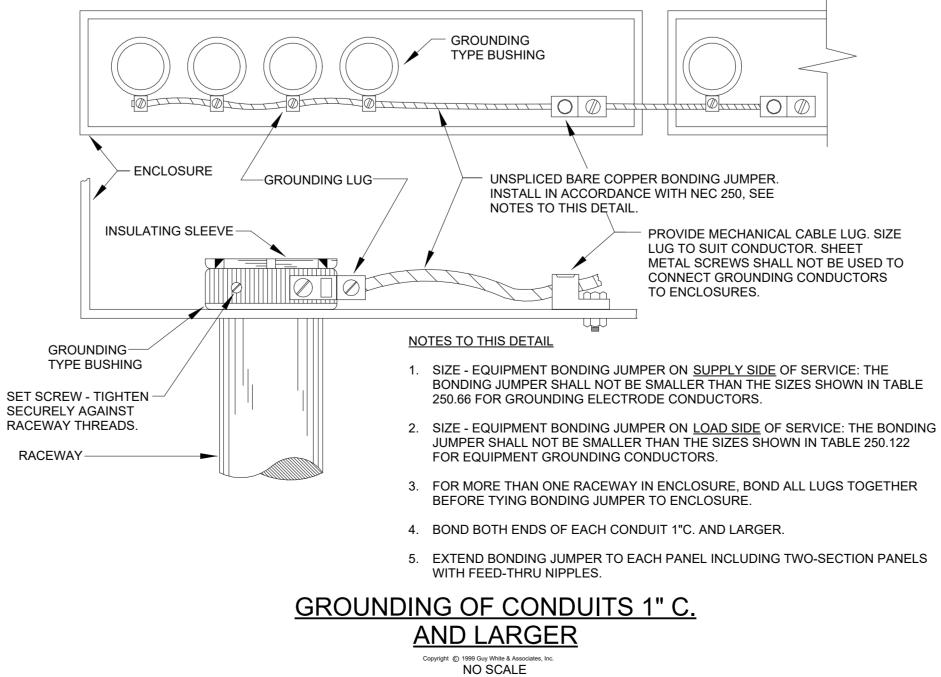
NOTE: CONTRACTOR IS CAUTIONED THAT MULTIWIRE (LINE-TO-NEUTRAL) BRANCH CIRCUITS DO NOT INDICATE ALL REQUIRED NEUTRAL CONDUCTORS. PROVIDE SEPARATE NEUTRAL CONDUCTORS (WITH COLORED STRIPE TO MATCH PHASE CONDUCTOR) FOR EACH PHASE CONDUCTOR. EMPTY CONDUITS ARE NOTED BY "EC" WITH TRADE SIZE.

- STEEL OR MALLEABLE IRON REAM CONDUIT, BUTT INTO -COMPRESSION E.M.T. FITTING RAIN **FITTING BODY & SECURE** TIGHT & CONCRETE TIGHT. EFCOR #761 NUTS WRENCH TIGHT. FOR 3/4" E.M.T. (OTHER FITTINGS EFCOR: #771B 90° CONNECTOR: #751B STRAIGHT CONNECTOR). EQUALS BY REGAL, T&B, STEEL CITY. **COMPRESSION TYPE CONDUIT** <u>FITTING</u> NO SCALE



GENERAL NOTES

- 1. DO NOT SCALE DRAWINGS UNLESS DIMENSIONS ARE SHOWN. LOCATE OUTLETS AND EQUIPMENT AS OBVIOUSLY INDICATED AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
- 2. MINIMUM SIZE CONDUCTOR FOR POWER SHALL BE NO. 12 AWG.
- 3. ALL FUSES SHALL BE DUAL-ELEMENT TYPE, "FUSETRON" BY BUSSMAN, OR "ECON" BY ECONOMY
- 4. BRANCH CIRCUIT SIZES ARE AWG 12-1/2"C. UNLESS OTHERWISE NOTED IN PANELBOARD SCHEDULES. 5. ALL BRANCH CIRCUIT LOADS SHALL BE BALANCED ACROSS PANELBOARD BUSSES TO OBTAIN MINIMUM
- NEUTRAL CURRENT. 6. ALL FLEXIBLE CONDUIT SHALL CONTAIN A GREEN WIRE BONDED TO RIGID RACEWAY, BOX OR FIXTURE AT EACH END OF FLEX. SIZE GROUND WIRE PER N.E.C. TABLE 250-122.
- 7. PROVIDE PULL CORD IN ALL EMPTY RACEWAYS.
- 8. ALL ELECTRICAL WORK ABOVE CEILINGS UTILIZED AS RETURN AIR PLENUMS SHALL COMPLY WITH N.E.C. AND LOCAL CODES FOR WIRING USED IN ENVIRONMENTAL AIR.
- 9. DO NOT MOUNT FLUSH JUNCTION BOXES BACK TO BACK. STAGGER JUNCTION BOXES TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS.
- 10. CONTRACTOR SHALL MINIMIZE REMOVAL OF STRUCTURAL STEEL FIREPROOFING FOR INSTALLATION OF
- 11. COORDINATE WITH OTHER TRADES TO CONCEAL ELECTRICAL WORK AND PROVIDE OUTLETS IN CORRECT
- 12. COORDINATE DEVICE REQUIREMENTS AND MOUNTING HEIGHTS FOR ELECTRIC WATER COOLERS, HAND
- 13. CONCEAL OUTLETS FOR ALL EQUIPMENT IN FINISHED AREAS. OBTAIN ROUGHING DIAGRAMS FOR ALL
- 14. IN GENERAL, REFER TO DETAILS AND SYMBOL SCHEDULE FOR STANDARD DEVICE MOUNTING HEIGHTS. STUDY ARCHITECTURAL ELEVATIONS, SECTIONS AND CASEWORK DETAILS PRIOR TO ROUGHING AND ADJUST MOUNTING TO AVOID CONFLICTS, INCLUDING BACKSPLASHES. ALL DEVICE MOUNTING SHALL BE IN ACCORDANCE WITH ADA/ANSI A117.1.
- 15. CONTRACTOR SHALL VERIFY ALL DOOR SWINGS PRIOR TO ROUGHING LOCATE SWITCHES AND OTHER DEVICES ACCORDINGLY.
- 16. MOUNT BRACKET TYPE LIGHTING FIXTURES AT HEIGHTS SHOWN OR SCHEDULED ON DRAWINGS OR AS DIRECTED ON JOB BY ARCHITECT, U.N.O.
- 17. ALL PENETRATIONS THRU WALLS, FLOORS, BARRIERS, PARTITIONS AND THE LIKE SHALL BE SEALED TIGHT. SEAL ALL PENETRATIONS THRU SMOKE TIGHT PARTITIONS WITH U.L. LISTED ASSEMBLIES OR
- 18. FIRESTOP ALL RACEWAYS PASSING THRU FIRE-RATED WALLS, FLOORS OR PARTITIONS. USE U.L. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS APPROPRIATE FOR CONSTRUCTION AND WITH RATING EQUAL TO THAT BEING PENETRATED. SUBMIT SHOP DRAWINGS FOR SYSTEM(S) PROPOSED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND RATINGS.
- 19. OPENINGS GREATER THAN SIXTEEN(16) SQUARE INCHES IN FIRE-RATED WALLS AND PARTITIONS SHALL BE PROTECTED WITH U.L. LISTED SYSTEMS, COMPONENTS AND METHODS AS REQUIRED TO MAINTAIN RATING. PROVIDE PUDDY PADS, LIGHT COVERS, INSERTS, WRAPS, COLLARS AND THE LIKE AS REQUIRED.
- 20. ALL TYPEWRITTEN PANELBOARD DIRECTORIES, LABELING AND THE LIKE SHALL UTILIZE FINAL OPERATIONAL ROOM NAMING SYSTEM AND SHALL REFLECT FINAL ROOM DESIGNATIONS. COORDINATE WITH ARCHITECT AND OWNER FOR FINAL NAMING.
- 21. HANGER WIRES SHALL NOT CONFLICT/TOUCH OTHER TRADES/EQUIPMENT
 - QUIETLY-OPERATING ELECTRICAL SYSTEM, FULLY ADJUSTED AND READY FOR USE.
 - 2. PRIOR TO BIDDING, THIS CONTRACTOR SHALL VISIT THE JOBSITE AND SHALL FAMILIARIZE HIMSELF WITH ALL
 - CONDTIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL INCLUDE IN HIS BID ALL LABOR, MATERIAL AND OPERATIONS REQUIRED FOR A COMPLETE JOB. 3. ELECTRICAL CONTACTOR SHALL PROVIDE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS, PAY ALL TAXES
 - AND FEES, UTILITY COMPANY CHARGES FOR SERVICE, INSPECTION FEES AND THE LIKE AS REQUIRED FOR THE SCOPE OF WORK INDICATED.
 - 4. ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF NEC, NFPA, IBC, AND ALL APPLICABLE STATE AND LOCAL CODES, REGULATIONS AND ORDINANCES.
 - 5. WORKMANSHIP SHALL BE IN ACCORDANCE WITH BEST PRACTICE. COMPLY WITH NECA STANDARD OF INSTALLATION. 6. ALL MATERIALS INSTALLED SHALL BE NEW, CLEAN, IN GOOD CONDITION AND SHALL MEET THE REQUIREMENTS
 - OF THE UNDERWRITERS' LABORATORIES, INC. WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. MATERIALS SHALL BE CLASSIFIED AND DESIGNED FOR THE PURPOSE USED. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES.
 - 7. ALL WORK, MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE WARRANTIED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. THIS DOES NOT SUPERCEDE MANUFACTURER'S WARRANTIES WHICH MAY EXTEND BEYOND ONE YEAR.
 - 8. PROVIDE ALL CUTTING, PATCHING, TRENCHING, BACKFILLING, PENETRATIONS, FLASHING, GROUTING AND SIMILAR OPERATIONS AS REQUIRED FOR NEW WORK, RELOCATION OF EXISTING CONDUIT, EQUIPMENT. WIRING, ETC. AS REQUIRED FOR INSTALLATION OF NEW SYSTEM IS INCLUDED IN THIS WORK.
 - 9. THE CONTRACTOR IS CAUTIONED THAT THE PROJECT MAY BE CONSTRUCTED IN STAGES TO ACCOMMODATE OWNER'S USE OF THE FACILITY. VERIFY PHASING REQUIREMENTS PRIOR TO BIDDING AND COOPERATE IN ALL RESPECTS WITH OTHER CONTRACTORS AND TRADES ON THE JOB TO CARRY OUT THE WORK WITH MINIMAL DISRUPTION OF BOTH THE OWNER'S REQUIREMENTS AND CONSTRUCTION OF THE PROJECT.
 - 10. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICTS, CONCEAL ELECTRICAL WORK AND PROVIDE ELECTRICAL WORK IN CORRECT LOCATIONS FOR EACH PIECE OF EQUIPMENT CONNECTED.
 - 11. PROVIDE SEISMIC RESTRAINT OF NEW ELECTRICAL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH IBC. 12. ALL PENETRATIONS THROUGH WALLS, FLOORS, BARRIERS, PARTITIONS AND THE LIKE SHALL BE SEALED TIGHT. WHERE PENETRATIONS ARE THRU FIRE OR SMOKE RATED WALLS, FLOORS AND CEILINGS, PROVIDE A
 - UL-LISTED THROUGH-PENETRATION ASSEMBLY WITH RATING EQUAL TO THAT BEING PENETRATED. 13. PROVIDE RACEWAYS FOR ALL CONDUCTORS AND CABLES.
 - 14. PROVIDE FLEXIBLE METAL CONDUIT FOR CONNECTION TO ROTATING OR VIBRATING EQUIPMENT.
 - 15. CONTRACTOR SHALL SIZE AND PROVIDE ALL REQUIRED PULL AND JUNCTION BOXES.
 - 16. RACEWAYS SHALL BE CONTINUOUS BETWEEN OUTLETS/EQUIPMENT AND ENCLOSURES. BOND RACEWAY SYSTEM IN ACCORDANCE WITH NEC AND NECA INSTALLATION STANDARDS.
 - 17. ALL DEVICES SHALL BE HEAVY DUTY, SPECIFICATION GRADE.
 - 18. PROVIDE A COMPLETE SET OF FUSES FOR EACH FUSIBLE DEVICE PROVIDED. FUSES SHALL BE SIZED FOR LOAD SERVED AND PROVIDED WITH TIME-CURRENT CHARACTERISTICS CURVES AS REQUIRED FOR PROPER COORDINATION.



CONDUIT AND EQUIPMENT HANGERS. OBTAIN APPROVAL OF GENERAL CONTRACTOR PRIOR TO REMOVAL.

LOCATIONS FOR EACH PIECE OF MECHANICAL OR ELECTRICAL EQUIPMENT CONNECTED. DRYERS, SINKS, THRU-WALL UNITS AND THE LIKE WITH EQUIPMENT FURNISHED.

EQUIPMENT AND INSTALL ELECTRICAL WORK IN LOCATIONS AND HEIGHTS ACCORDING TO DIAGRAMS.

METHODS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SMOKE PARTITIONS.

\bigcirc	LIGHTING FIXTURE. CEILING ($\bigcirc \rightarrow$ WALL MOUNT)	\$	TOGGLE SWITCH
۲	FIXTURE INDICATED, CONNECTED TO EMERGENCY POWER SOURCE	\$ _{WP}	WEATHERPROOF TOGGLE SWITCH
0	LIGHTING FIXTURE	\$ _M	MOTOR RATED TOGGLE SWITCH
	LIGHTING FIXTURE, CONNECTED TO	•	WALL SWITCH - OCCUPANCY SENSOR 48" U
	EMERGENCY POWER SOURCE	os	CEILING MOUNTED OCCUPANCY SENSOR
\otimes	EXIT LIGHT	E	CONNECTION TO EXISTING CIRCUIT
	EMERGENCY LIGHT UNIT		BRANCH CIRCUIT RACEWAY - CONCEALED I WALL OR CEILING
\triangleleft	FLOODLIGHT		BRANCH CIRCUIT RACEWAY - CONCEALED I
Т	TRANSFORMER		FLOOR OR UNDERGROUND BRANCH CIRCUIT RACEWAY - EXPOSED
	PANELBOARD		
	SAFETY SWITCH	××\$	
J	FLUSH JUNCTION BOX CEILING ($(J) \rightarrow WALL$)	\bigotimes	-TYPICAL: SYMBOLS DENOTE EXISTING. REMOVE COMPLETE.
J	PULL BOX OR JUNCTION BOX IN FLOOR	° X X X	TYPICAL: "X" ON PLAN SYMBOLS DENOTES
PC	PHOTOCELL, 1800VA U.N.O., AIM NORTH.		EXISTING. REMOVE COMPLETE.
	TRANSIENT VOLTAGE SURGE SUPPRESSOR(TVSS)		
6	ELECTRIC MOTOR		
0	CONDUIT STUB		
φ	DUPLEX RECEPTACLE (\oplus HIGH MOUNT)		
\oplus WP	WEATHERPROOF DUPLEX RECEPTACLE. 16" UP		

ELECTRICAL SYMBOLS

NOTE: ALL DEVICES SHOWN ON THIS SCHEDULE ARE SYMBOLIC ONLY. SEE ELECTRICAL SPECIFICATIONS FOR EXACT DEVICE REQUIREMENTS AND PERFORMACE CHARACTERISTICS.

ELECTRICAL SPECIFICATIONS

- PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND OPERATIONS AS REQUIRED FOR A COMPLETE, SAFE AND 19. AIC RATING FOR ALL EQUIPMENT SHALL EXCEED AVAILABLE SHORT CIRCUIT CURRENT PRESENT AT EQUIPMENT LOCATION.
 - 20. INSTALL IN EACH PANELBOARD A SINGLE-SIDED, PLASTIC-COVERED, TYPEWRITTEN CIRCUIT DIRECTORY LISTING THE LOAD SERVED, INCLUDING LOCATION, FOR EACH BREAKER.
 - 21. ON ALL PANELBOARDS, DISCONNECT SWITCHES, TRANSFORMERS AND ENCLOSURES, PROVIDE AN ENGRAVED PLASTIC LAMINATE NAMEPLATE, MINIMUM 1/16" THICKNESS WITH ¼" HIGH LETTERS. ATTACH WITH EPOXY CEMENT OR SCREWS. ON SWITCHGEAR AND FEEDER DISTRIBUTION PANELBOARDS, PROVIDE NAMEPLATE FOR EACH CIRCUIT BREAKER.
 - 22. ELECTRICAL SUBCONTRACTOR SHALL SUBMIT FOR REVIEW BY THE ENGINEER DETAILED SHOP DRAWINGS OF ALL EQUIPMENT AND ALL MATERIAL LISTED BELOW. ALL SUBMITTAL DATA SHALL BE SUBMITTED AT ONE TIME. PARTIAL SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER. NO MATERIAL OR EQUIPMENT FOR WHICH ENGINEER'S REVIEW IS REQUIRED SHALL BE DELIVERED TO THE JOB SITE OR INSTALLED UNTIL THIS CONTRACTOR HAS IN HIS POSSESSION THE REVIEWED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT. THE SHOP DRAWINGS SHALL BE COMPLETE AS DESCRIBED HEREIN.
 - PRIOR TO SUBMITTAL OF SHOP DRAWINGS TO THE ENGINEER. THE GENERAL CONTRACTOR AND THE ELECTRICAL SUBCONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS, SHOP DRAWINGS WHICH HAVE NOT BEEN REVIEWED AND APPROVED IN WRITING BY THE ELECTRICAL SUBCONTRACTOR WILL NOT BE REVIEWED BY THE ENGINEER. ELECTRICAL SUBCONTRACTOR SHALL STATE IN WRITING ON SHOP DRAWINGS, ANY PROPOSED DEVIATIONS FROM CONTRACT DOCUMENTS. SUCH DEVIATIONS IF NOT STATED IN SHOP DRAWINGS SUBMITTAL, SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL SUBCONTRACTOR. THIS CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS DIRECTED BY ARCHITECT OR, IF NO PROCEDURE IS SPECIFIED BY THE ARCHITECT, SUBMIT ONE ELECTRONIC .PDF COPY TO GWA@GWAINC.NET.
 - REVIEW RENDERED ON SHOP DRAWINGS SHALL NOT BE CONSIDERED AS A GUARANTEE OF MEASUREMENTS OF BUILDING CONDITIONS. WHERE DRAWINGS ARE REVIEWED, SAID REVIEW DOES NOT MEAN THAT DRAWINGS HAVE BEEN CHECKED IN DETAIL; SAID REVIEW DOES NOT IN ANY WAY RELIEVE THIS CONTRACTOR FROM HIS RESPONSIBILITY OR NECESSITY OF FURNISHING MATERIAL OR PERFORMING WORK AS REQUIRED BY THE CONTRACT DRAWINGS AND SPECIFICATIONS.
 - FAILURE OF CONTRACTOR TO SUBMIT SHOP DRAWINGS IN TIME FOR REVIEW BY ENGINEER WITH REASONABLE PROMPTNESS CONSISTENT WITH SOUND PROFESSIONAL PRACTICE SHALL NOT ENTITLE HIM TO AN EXTENSION OF CONTRACT TIME, AND NO CLAIM FOR EXTENSION BY REASON OF SUCH DEFAULT WILL BE ALLOWED.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FOLLOWING MATERIALS AND EQUIPMENT FOR REVIEW BY ENGINEER: PANELBOARDS, LIGHTING FIXTURES AND CONTROLS, CIRCUIT BREAKERS, WIRING DEVICES, BASIC MATERIALS (WIRE, CONDUIT, FITTINGS, CONNECTORS, GROUNDING COMPONENTS)
 - 23. UPON COMPLETION OF WORK, PROVIDE FINAL CLEANING; REMOVE DEBRIS, WASTE, SURPLUS MATERIALS, RUBBISH AND CONSTRUCTION FACILITIES FROM THE SITE.
 - 24. PROVIDE OWNER WITH TWO(2) COMPLETE SETS OF RECORD DRAWINGS AND OPERATION AND MAINTENANCE (O&M) MANUALS INCLUDING SHOP DRAWINGS, MAINTENANCE INSTRUCTIONS, SETTINGS AND WARRANTIES.
 - 25. UPON COMPLETION OF WORK, THE SYSTEM SHALL BE FREE OF FAULTS, INCLUDING SHORT CIRCUITS, GROUNDS AND OPEN CIRCUITS AND LOADS SHALL BE BALANCED ACROSS PHASES TO MINIMIZE NEUTRAL CURRENT IN ALL FEEDERS AND BRANCH CIRCUITS.
 - 26. UPON COMPLETION OF INSTALLATION AND TESTING, THIS CONTRACTOR SHALL INSTRUCT THE OWNER FULLY IN THE OPERATIONS, ADJUSTMENTS AND MAINTENANCE OF ELECTRICAL SYSTEM.

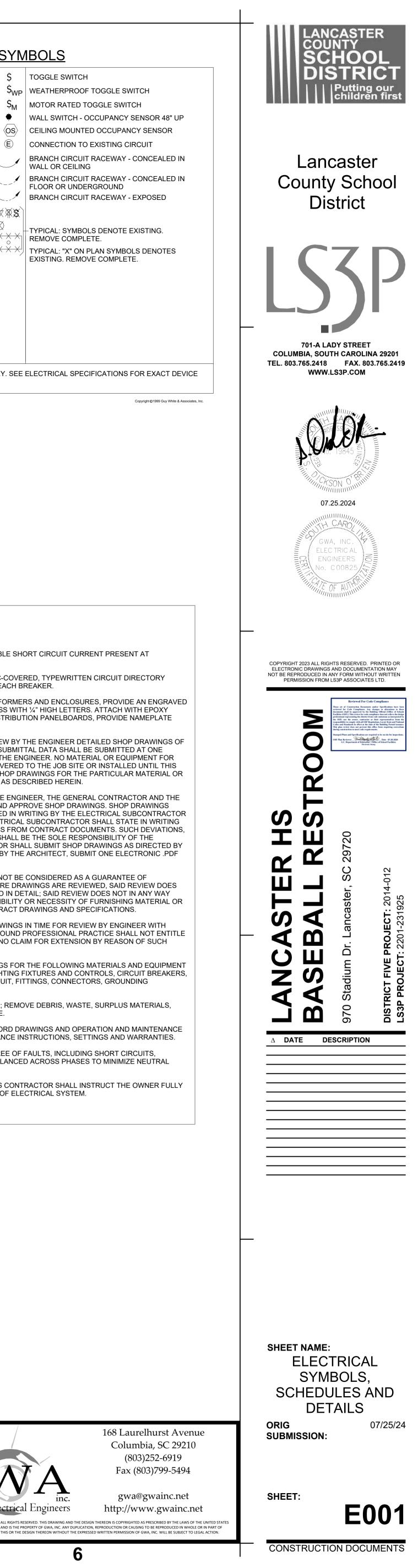
PROVIDE MECHANICAL CABLE LUG. SIZE LUG TO SUIT CONDUCTOR. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT GROUNDING CONDUCTORS

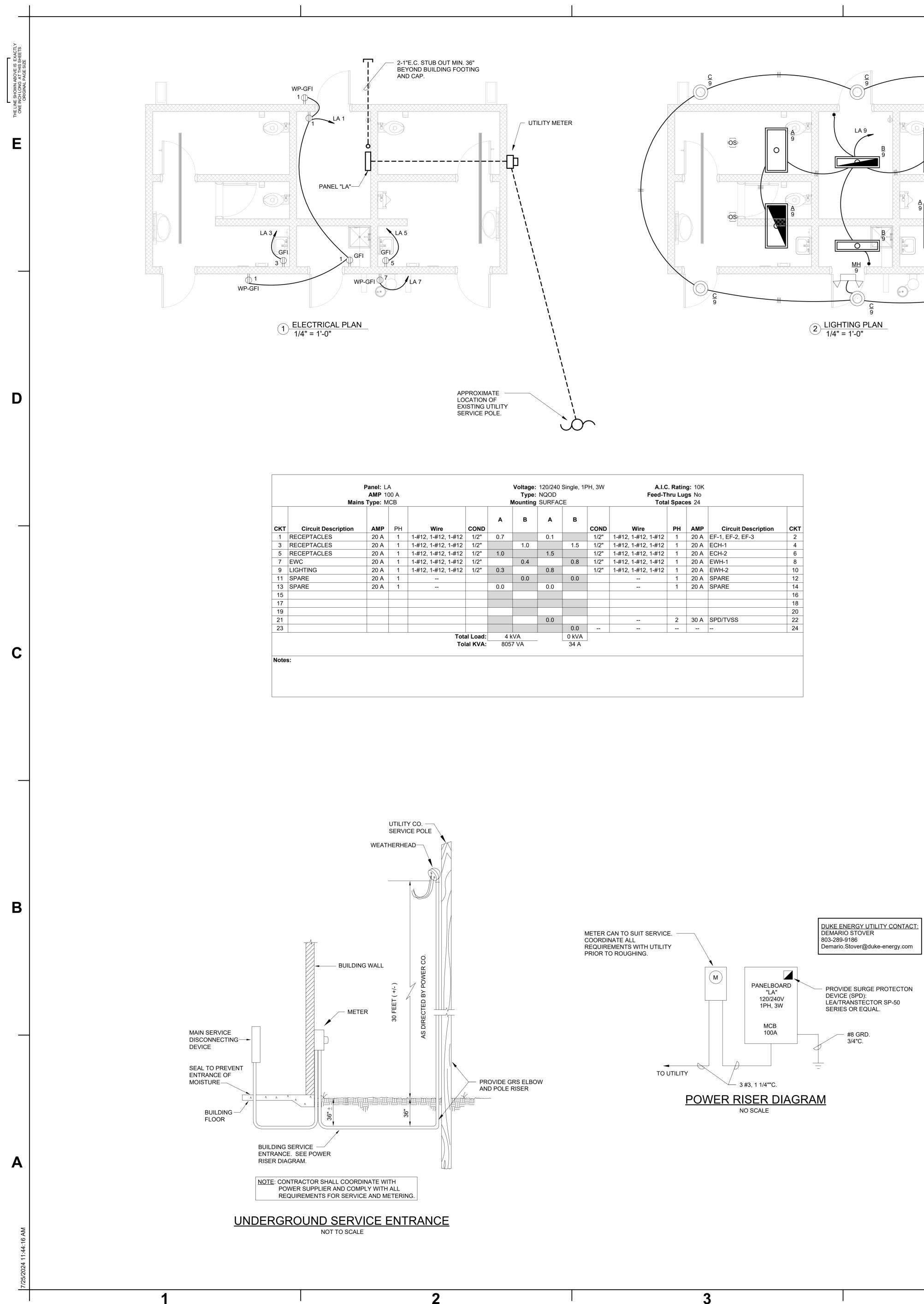
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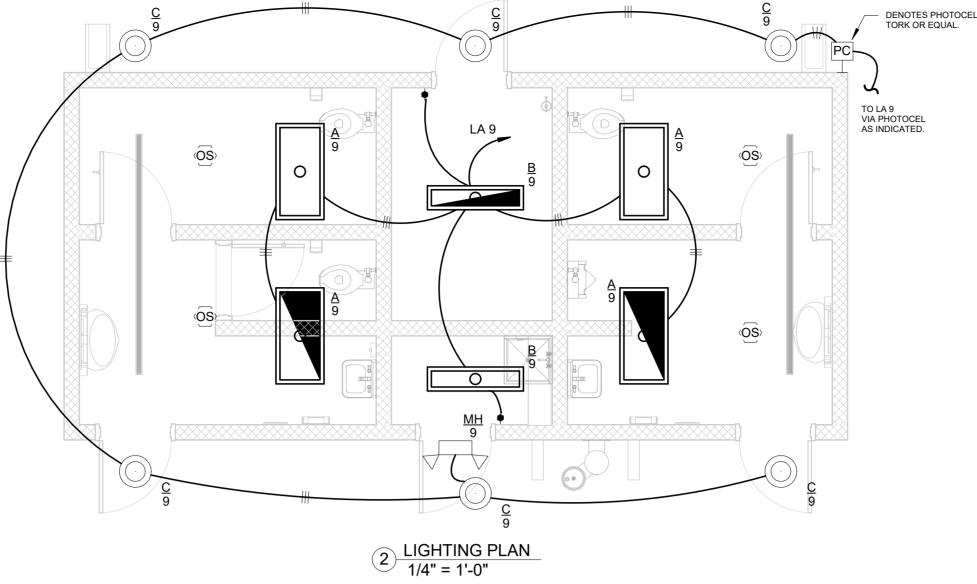
Engineers ALL RIGHTS RESERVED. THIS DRAWING AND THE DESIGN THEREON IS COPYRIGHTED AS PRESCRIBED BY THE LAWS OF THE UNITED STA ND IS THE PROPERTY OF GWA, INC. ANY DUPLICATION, REPRODUCTION OR CAUSING TO BE REPRO

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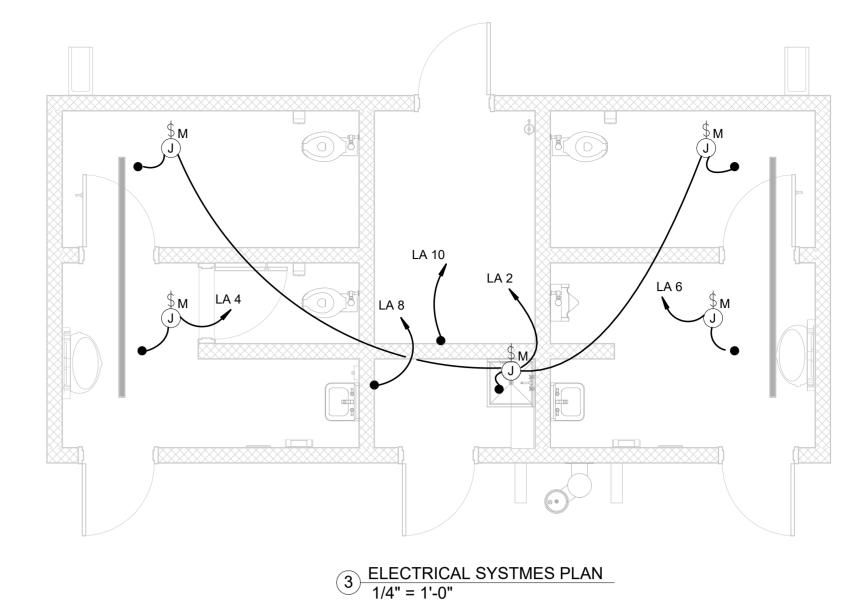






ſ	Type:	NQOD	IQOD Feed-				A.I.C. Rating: 10K d-Thru Lugs No Fotal Spaces 24			
	в	A	в	COND	Wire	РН	АМР	Circuit Description	скт	
		0.1		1/2"	1-#12, 1-#12, 1-#12	1	20 A	EF-1, EF-2, EF-3	2	
	1.0		1.5	1/2"	1-#12, 1-#12, 1-#12	1	20 A	ECH-1	4	
		1.5		1/2"	1-#12, 1-#12, 1-#12	1	20 A	ECH-2	6	
	0.4		0.8	1/2"	1-#12, 1-#12, 1-#12	1	20 A	EWH-1	8	
		0.8		1/2"	1-#12, 1-#12, 1-#12	1	20 A	EWH-2	10	
	0.0		0.0			1	20 A	SPARE	12	
		0.0				1	20 A	SPARE	14	
									16	
									18	
									20	
		0.0				2	30 A	SPD/TVSS	22	
			0.0						24	
_	VA 7 VA		0 kVA 34 A							

SYM	BOL	DESCRIPTION
A		2' x 4' EDGE-LIT FLAT PA
В		LED STRIP LIGHT
С	;	6" OPEN LED DOWNLIGH
M	Η	EXTERIOR EMERGENCY FIXTURE
1.	LO	CATE ALL FIXTURES IN S
2.	LUN	OVIDE ALL HALF-SHADEI MINAIRES AND OF APPR(F WITH ROOM/AREA LIGH
		SENSOR LOCATIONS AR TYPE OF SENSOR AS RE
		ALL LAYOUTS AND INSTAND INSTALLATION INSTRUC
	-	



LIGHTING FIXTURE SCHEDULE

ION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	WATTAGE	NOTES
			_	_	
Γ PANEL	LITHONIA	EPANL-2X4-4000LM-80CRI-MIN10-ZT	120		RECESSED-GYP. CEILING. PROVIDE FLANGE ADAPTER AS REQUIRED FOR RECESS MOUNTING.
	LITHONIA	CSS-L48-4000LM-80CRI	120	35	SURFACE-CEILING.
LIGHT	LITHONIA	WF6 DREG SM ALO20 SWW5 90CRI MW M6	120	16	RECESSED-CEILING. DAMP LOCATION RATED.
NCY EGRESS	LITHONIA	WLTU-GY-MR-ELA-WG	120		SURFACE MOUNT EMERGENCY LIGHTS, MINIMUM 90-MINUTE RATING. PROVIDE MOUNTING PER PLANS AIM TO ILLUMINATE EXTERIOR EGRESS PATH.

NOTES TO LIGHTING FIXTURE SCHEDULE

I STRICT ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLAN.

DED FIXTURES WITH EMERGENCY BATTERY UNIT, BODINE, IOTA, DUAL-LITE OR EQUAL. BATTERY UNITS SHALL BE DESIGNED AND RATED FOR USE WITH LED PROPRIATE TYPE AND WATTAGE TO SUIT LED DRIVERS FURNISHED - MINIMUM 90 MINUTE RATING. CONNECT COMPLETE TO UPON CIRCUIT FAILURE, ON SWITCH ON-IGHTING AND REGARDLESS OF SWITCH POSITION.

NOTES TO OCCUPANCY SENSORS

OS CEILING MOUNTED 360' OCCUPANCY SENSOR, INTERCONNECTION NOT SHOWN FOR CLARITY.

ARE SCHEMATIC ONLY AND LOCATIONS SHOWN ARE INTENDED TO INDICATE AREA TO BE CONTROLLED BY SENSORS. PROVIDE ACTUAL QUANTITY, LOCATION AND REQUIRED TO PROVIDE FULL COVERAGE FOR EACH SPACE INDICATED. SEE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS. TALLATION SHALL BE BASED ON APPROVED VENDOR SHOP DRAWINGS. ROUGH ONLY FROM THESE SHOP DRAWINGS AND COMPLY WITH ALL MANUFACTURER

CTIONS. 3. AT CONTRACTOR'S OPTION, SYSTEM MAY BE DIGITAL OR LOW VOLTAGE TYPE AND MAY UTILIZE SELF-CONTAINED DEVICES OR SEPARATE POWER PACKS/RELAYS.

4. RESTROOMS, STORAGE ROOMS, JANITOR CLOSETS, EQUIPMENT ROOMS AND SIMILAR SPACES SHALL BE CONFIGURED AS AUTOMATIC ON/OFF WITH MANUAL OVERRIDE FUNCTION (OCCUPANCY SETTING). ALL OTHER SPACES SHALL BE CONFIGURED AS MANUAL ON, AUTOMATIC OFF WITH MANUAL OVERRIDE FUNCTION (VACANCY SETTING).

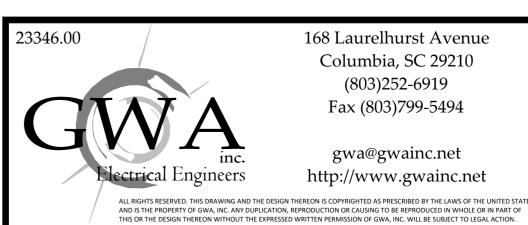
5. ROOMS INDICATED WITH BOTH OCCUPANCY SENSORS AND MULTI-LEVEL SWITCHING OR DIMMING SHALL MAINTAIN FULL MANUAL CONTROL ABILITY FOR ADJUSTING LIGHTING LEVELS. 6. SENSORS MOUNTED OVER DOORWAYS SHALL BE PLACED A MINIMUM OF ONE FOOT INSIDE THRESHOLD.

7. ULTRASONIC SENSORS SHALL BE LOCATED A MINIMUM OF SIX(6) FEET FROM HVAC SUPPLY/RETURN, CEILING FANS AND OTHER AIR MOVEMENT DEVICES.

8. DJUST SENSOR LOCATIONS IN FIELD AS REQUIRED TO AVOID LINE-OF-SIGHT CONFLICTS WITH STRUCTURE, SUSPENDED LIGHTING, MECHANICAL DUCTWORK, CASEWORK, BULKHEADS AND OTHER ARCHITECTURAL OR BUILDING FEATURES. SENSORS SHALL NOT FALSE TRIGGER FROM ADJACENT SPACES. 9. SENSORS INSTALLED IN DAMP OR WET LOCATIONS SHALL BE UL LISTED FOR USE IN RESPECTIVE AREA.

10. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR NON-ADAPTIVE PRODUCTS.

11. IF MULTIPLE CIRCUITS ARE TO BE CONTROLLED BY A SINGLE SENSOR OR GROUP OF SENSORS, AUXILIARY RELAYS MAY BE UTILIZED IN CONJUNCTION WITH POWER PACKS.



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