BUFORD HS BASEBALL RESTROOM

2201-231925

4290 Tabernacle Rd, 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				
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G-001	CODE ANALYSIS (FORM F3)	07/25/24		
G-002	CODE ANALYSIS (FORM F3)	07/25/24		
G-003	LIFE SAFETY PLAN	07/25/24		
CIVIL				
C-100	COVER SHEET	06/19/24		
C-200	SURVEY PLAN	06/19/24		
C-300	DEMOLITION/SITE & GRADING PLAN	06/19/24		
C-301	SITE DETAILS	06/19/24		
C-400	EROSION CONTROL PLAN	06/19/24		
C-401	EROSION CONTROL DETAILS	06/19/24		
C-402	EROSION CONTROL DETAILS	06/19/24		
C-500	WATER & SANITARY SEWER SERVICE PLAN	06/19/24		
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S-101	FOUNDATION AND ROOF FRAMING PLAN	03/15/24		
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S-202	TYPICAL CMU DETAILS	03/15/24		
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A-050	ARCHITECTURAL SITE PLAN	07/25/24		
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A-301	BUILDING SECTIONS	07/25/24		
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A-701	ROOM FINISH SCHEDULE & LEGEND, AND ROOM SIGNAGE	07/25/24		
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P-101	PLUMBING PLANS	03/15/24		
MECHANICAL				
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M-201	MECHANICAL SCHEDULES	03/15/24		
ELECTRICAL				
E-001	ELECTRICAL SYMBOLS, SCHEDULES, & DETAILS	03/15/24		
E-101	ELECTRICAL PLANS	07/25/24		

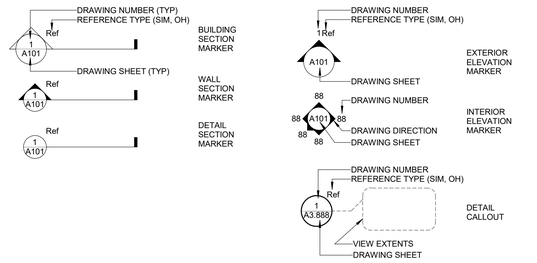
PROJECT ABBREVIATIONS

A/C	AIR CONDITION(ING)
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIOVISUAL
BITUM	BITUMINOUS
BL	BUILDING LINE
BLDG	BUILDING
BN	BULL NOSE
BOS	BOTTOM OF STEEL
BOT	BOTTOM
CAB	CABINET
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLG HT	CEILING HEIGHT
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUE, CONTINUOUS
CORR	CORRIDOR
CU FT	CUBIC FOOT
CU YD	CUBIC YARD
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DS	DOWNSPOUT
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
ENCL	ENCLOSE(D)
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
F/F	FACE TO FACE
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF EL	FINISH FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN FLR	FINISHED FLOOR
FLR	FLOOR, FILLER
FOC	FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF SLAB
FOW	FACE OF WALL
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNISH, FURNITURE
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
HC	HANDICAP
HD	HEAVY DUTY
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
ID	INSIDE DIAMETER
INCL	INCLUDE(D), (ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN CLO	JANITOR CLOSET
KIT	KITCHEN
KO	KNOCKOUT
LAB	LABORATORY
LAM	LAMINATE
LAU	LAUNDRY
LAV	LAVATORY
LF	LINEAR FEET
LVR	LOUVER
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NON COMB	NON-COMBUSTIBLE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
OPT	OPTION(AL)
PCF	POUNDS PER CUBIC FEET
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAR FEET
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PREFAB	PREFABRICATED
PREFIN	PREFINISH
PRKG	PARKING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, POST-TENSIONED, PRE-TREATED
PVC	POLYVINYL CHLORIDE (PLASTIC)
QTR	QUARTER
QTY	QUANTITY
R	RADIUS, RISER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR, REFERENCE
REQD	REQUIRED
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	SOUTH
SC	SOLID CORE
SD	STORM DRAIN
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STOR	STORAGE
SUSP	SUSPENDED
SYS	SYSTEM
T	TREAD
TEL	TELEPHONE
TEMP	TEMPORARY
TFF	TOP OF FINISH FLOOR
THK	THICKNESS
THRU	THROUGH
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE, CURB
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOW	TOP OF WALL
TRTD	TREATED
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	WEST, WIDE
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WC	WATER CLOSET
WD	WOOD
WP	WORKING POINT, WATERPROOFING
WR	WATER REPELLENT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

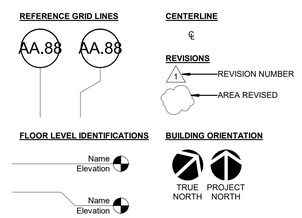
NOTE: ALL MAY NOT APPLY TO PROJECT

DRAWING TITLES

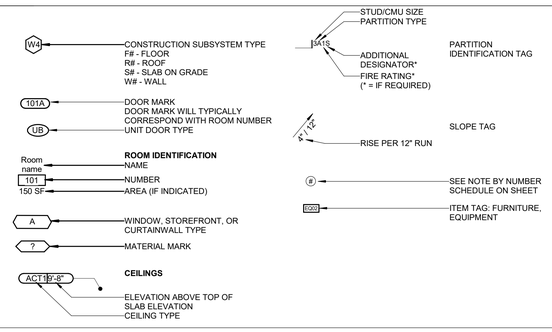
VIEW MARKERS



DRAWING SYMBOLS



ITEM TAGS



AREA MAP

VICINITY MAP

Reviewed For Code Compliance

These set of Construction Documents and/or Specifications have been reviewed for Code Compliance. Any changes or alterations to these documents shall be approved by the Building Official [Office of Schools Facilities (OSF)]. This review for code compliance does not relieve the design professional representing the district from code omissions as interpreted by the OSF; nor the owner, contractor or their representatives from the responsibility to comply with all OSF Regulations, Local, State and National Codes and Standards in effect at the time of the Building Permit issuance. This plan review does not prevent this office from requiring corrections during construction to meet code requirements.

Stamped Plans and Specifications are required to be on site for inspections.

OSF Plan Reviewer_____ Date 07.29.2024
S.C. Department of Education – Office of School Facilities
Electronic Stamp

LANCASTER COUNTY SCHOOL DISTRICT
Putting our children first

Lancaster County School District

LS3P

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REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
ALLEN R. TAYLOR
Columbia, SC
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07.25.2024

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BASEBALL

BUFORD HS BASEBALL RESTROOM
4290 Tabernacle Rd, Lancaster, SC 29720

LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
COVER SHEET

ORIG SUBMISSION: 07/25/24

SHEET:
G-000

CONSTRUCTION DOCUMENTS

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Date: 03/15/2024

SUBMITTAL:	☐ Schematic	☐ Design Development	☒ Construction Document

SC CODE EDITION:	2021	ICC CODE EDITION:	2021	ICC A117.1 EDITION:	2017	OSF GUIDE EDITION:	2023

OTHER CODES/STANDARDS & EDITIONS:

PROJECT DESCRIPTION: The project is a restroom building supporting the existing baseball stadium. It will be a CM at Risk delivery method.

BASIC BUILDING CODE INFORMATION

DESIGNATED AREAS OF BUILDING	Building Code	Area 1
	-	☒ SCBC ☐ SCBC
CONSTRUCTION CLASSIFICATION TYPE	Section 602	IIIB, NON-SPRINKLERED
OCCUPANCY GROUP (indicate all)	Section 302	A5
MOST RESTRICTIVE OCCUPANCY GROUP	Tables 504.3, 504.4 & 506.2	A5
Does building require Incidental Use Area Separation?	Table 509	☐ YES ☒ NO
Does building have Accessory Occupancy (ies)?	Section 508.2	☐ YES ☒ NO
What is the aggregate square footage of the 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	☐ YES ☒ NO ☒ Nonseparated ☐ Separated

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

EXISTING BUILDING CODE INFORMATION [SCEBC] - NA

DESIGNATED AREAS OF BUILDING	Area 1
Method of Compliance: (*Check only one Option and all items that apply under that Option.*)	☐ Option 1: Prescriptive Compliance Method **(Ch. 3, 5)** ☐ Alteration ☐ Addition ☐ Change of Occupancy ☐ Historic Building
	☐ Option 2: Work Area Compliance Method **(Ch. 3, 6-12)** ☐ Alteration Level 1 ☐ Alteration Level 2 ☐ Alteration Level 3 ☐ Change of Occupancy ☐ Additions ☐ Historic Building Aggregate area of building: SF Work area: SF
	☐ Option 3: Performance Compliance Method **(Ch. 3, 13)**
Original Building Code and Edition Applicable at the time of Construction:	
Existing Sprinkler System?	☐ YES ☐ NO
Existing Fire Alarm System?	☐ Manual ☐ Auto
Seismic Evaluation Required?	☐ YES ☐ NO

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Change of Occupancy:	☐ YES ☐ NO Existing Occupancy Class(es): New Occupancy Classification(s):
Historic Building:	☐ YES ☐ NO ☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction

SUMMARY - BUILDING DESIGN OCCUPANT LOAD

DESIGNATED AREAS OF BUILDING	Building
1ST FLOOR	2
TOTAL:	2

*ENTIRE FACILITY: 400

Note: Per SC Building Code Chapter 10, list individual spaces occupant load on life safety plan.

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

ALLOWABLE BUILDING AREA

DESIGNATED AREAS OF BUILDING	Area 1
A_a Tabular allowable area factor (NS, S1, S13R or SM as applicable) in accordance with IBC Table 506.2	A_a = 8,500 SF
Allowable Area Increase (Equations 5-1 through 5-5, as applicable)	☐ YES ☒ NO
IBC Section 506.3.2: Equation 5-4 where:	L_a =
$W = (L_1 \times w_1 + L_2 \times w_2 + L_3 \times w_3 + \ldots) / F$	w_a =
W = Width of public way or open space	**W** =
L_a Length of a portion of the exterior perimeter wall.	F =
w_a Width (<= 20 feet) of public way or open space associated with that portion of the exterior perimeter wall.	P =
F Building perimeter that fronts on a public way or open space having a width of 20 feet or more	I_f =
IBC Section 506.3.3: Equation 5-5 where:	
$I_f = [F/P - 0.25]\ W/30$	
I_f = Area factor increase factor due to frontage	
F Building perimeter that fronts on a public way or open space having a width of 20 feet or more.	
P Perimeter of entire building (feet).	
W Width of public way or open space in accordance with Equation 5-4	

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Allowable building area per story in square feet as calculated by Equations 5-1 through 5-3. (Indicated equation used.)	N_a =
☐ IBC Section 506.2.1 Equation 5-1 **$A_a = A_t + (N_a \times I_f)$**	
☐ IBC Section 506.2.3 Equation 5-2 **$A_a = [A_t + (N_a \times I_f)] \times S_a$**	S_a =
☐ IBC Section 506.2.4 Equation 5-3 **$A_a = [A_t + (N_a \times I_f)]$**	
N_a Tabular allowable area factor in accordance with Table 506.2 for a non-sprinklered building *(regardless of whether the building is sprinklered)*	
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 SCBC Section 903.3.1.2, use the actual number of building stories above grade plane, not to exceed four (4).	**A_a** = SF
MAXIMUM AREA PER STORY	8,500 SF
AREA AS DESIGNED PER STORY (Repeat for each story)	470 SF

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

BUILDING HEIGHT

DESIGNATED AREAS OF BUILDING	Building Code	Area 1	
HEIGHT	-	DESIGNED	ALLOWED
In Feet	Table 504.3	12'-0"	55
In Stories	Table 504.4	1	2

Note: Allowable Building Height & Number of Stories Above Grade Plane

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

GENERAL FIRE PROTECTION REQUIREMENTS

DESIGNATED AREAS OF BUILDING	Building Code	Area 1
SEPARATIONS		
Fire Wall Required	Section 706	☐ YES ☒ NO
Fire Barrier Required	Section 707	☐ YES ☒ NO
Fire Partition Required	Section 708	☐ YES ☒ NO
Smoke Barriers Required	Section 709	☐ YES ☒ NO
Smoke Partitions Required	Section 710	☐ YES ☒ NO
Fireblocking	Section 718.2	☐ YES ☒ NO
Draftstopping	Sections 718.3 & 718.4	☐ YES ☒ NO
Incidental Use Area One hour fire barrier Sprinkler system plus smoke resistance	Section 509.4	☐ YES ☒ NO ☐ YES ☒ NO
ALARM & DETECTION		
Fire Alarm and Detection System Fire Alarm Mass Notification Emergency voice/alarm comm.	SCFC Section 907	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Emergency Alarm System Required	SCFC Section 908	☐ YES ☒ NO
SUPPRESSION		
Automatic Sprinkler System Provided Required	SCFC Section 903	☐ YES ☒ NO ☐ YES ☒ NO

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Alternative Automatic Fire Extinguishing Kitchen Hoods Other	SCFC Section 904	☐ YES ☒ NO ☐ YES ☒ NO
Standpipes Required	SCFC Section 905	☐ YES ☒ NO
Portable extinguishers required General Building Kitchen Labs	SCFC Section 906	☒ YES ☐ NO ☐ YES ☒ NO ☐ YES ☒ NO

OTHER FIRE AND LIFE SAFETY FEATURES

DESIGNATED AREAS OF BUILDING	Building Code	Area 1
Smoke Control System	Section 909	☐ YES ☒ NO
Smoke & Heat Removal Required	SCFC 910	☐ YES ☒ NO
Fire Department Connections	Section 912	☐ YES ☒ NO
Carbon Monoxide Detection	Section 915	☐ YES ☒ NO
Gas Detection Systems	Section 916	☐ YES ☒ NO
Emergency Responder Radio Coverage	Section 918	☐ YES ☒ NO
Fire Apparatus Access and Water Line	SCFC 503 & 507	☐ YES ☒ NO
2-way Communication Required	Section 1009.8	☐ YES ☒ NO
Area of Refuge *(e.g. Separation, Two-Way Communication, and Instruction)*	Sections 1009.6, 1009.9, 1009.10 & 1009.11	☐ YES ☒ NO
Exterior Area for Assisted Rescue *(e.g. Separation, Openness, and Instruction)*	Sections 1009.7, 1009.9, 1009.10 & 1009.11	☐ YES ☒ NO
Safe Dispersal Area	Section 1028.5	☐ YES ☒ NO
(Add others as needed)		☐ YES ☐ NO
(Add others as needed)		☐ YES ☐ NO

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS - NA

DESIGNATED AREAS OF BUILDING		Building Code	Area 1
Primary Structural Frame	As Required, Hrs	Table 601	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Bearing Walls, Exterior	As Required, Hrs	Table 601	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Bearing Walls, Interior	As Required, Hrs	Table 601	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Nonbearing Walls and Partitions, Interior	As Required, Hrs	Table 601	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS - NA

DESIGNATED AREAS OF BUILDING		Building Code	Area 1
Nonbearing Walls and Partitions, Exterior	As Required, Hrs	Table 602	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Floor Construction and associated secondary members	As Required, Hrs	Table 601	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Roof Construction and associated secondary members	As Required, Hrs	Table 601	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Fire Walls	As Required, Hrs	Section 706	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS - NA

DESIGNATED AREAS OF BUILDING		Building Code	Area 1
Fire Barriers	As Required, Hrs	Section 707	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Fire Partitions	As Required, Hrs	Section 708	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Smoke Barriers	As Required, Hrs	Section 709	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Smoke Partitions	As Required, Hrs	Section 710	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS - NA

DESIGNATED AREAS OF BUILDING		Building Code	Area 1
Horizontal Assemblies	As Required, Hrs	Section 711	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		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
Opening & Protective Listing by Category (fire shutters, doors, etc.)	As Required, Hrs	Section 716	0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA
Others (as required by Designer)	As Required, Hrs		0
	As Designed, Hrs		0
	Testing Agency & Design No (UL, FM, etc)		NA
	Wall/Partition Key Code		NA

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FLOOD HAZARD INFORMATION and FLOOD LOADS

FLOOD HAZARD AREA		
Base Flood Elevation **(NGVD or FIRM)**	N/A MSL	
Design Flood Elevation **SCBC 1612.3 and ASCE 24**	N/A MSL	
☐ NON HIGH-VELOCITY WAVE ACTION		
Elevation of Lowest Proposed Floor **(Most ASCE 24 Section 2.6.2.1)**	300.0 MSL	
Dry flood proofing **ASCE 24**	☒ no ☐ yes	
HIGH-VELOCITY WAVE ACTION		
Elevation of bottom of Lowest Horizontal Structural Member of lowest floor	295.0 MSL	
Flotation resistant **(ASCE 24)**	☒ no ☐ yes	
Breakaway wall per **(ASCE 24)**	☒ no ☐ yes	

FIRE SERVICE INFORMATION

Service Line Size		Inches
Fire Department Connection	Location	
	Location	
Backflow	Type	
	Date	
Fire Hydrant Flow Test	Flow	GPM
	Residual	PSI
	Static	PSI

ENERGY INFORMATION – NA

INSULATION		
Roof	Cavity	R
	Continuous	R
Walls	Cavity	R
	Continuous	R
Underslab		R
GLAZING (each type)		
Window to wall ratio	North	%
	East	%
	South	%
	West	%
Glass Type	U Factor	
	SHG	

Summary of data from approved ASHRAE 90.1 compliance sheets.

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

SOILS & SITE

SOILS INVESTIGATION REQUIRED? **(IBC 1803.2)**	☐ no ☒ yes
SOILS CLASSIFICATION	
Seismic Site Class **(SCBC Section 1613.3.2)**	C
Classes Soil of Materials (UCS System) **(SCBC 1803.5.1)**	
Allowable Footing Bearing Pressure	2000
MINIMUM DESIGN SOIL BEARING LOAD **(SCBC Table 1806.2)**	1500 psf
COMPACTION Subgrade **(ASTM D698, ASTM D1557)** **or (AASHTO only for paving & roads)**	98 %
Base **(ASTM D698, ASTM D1557)** **or (AASHTO only for paving & roads)**	98 %
Other **(ASTM D698, ASTM D1557)** **or (AASHTO only for paving & roads)**	%
MINIMUM DESIGN SOIL LATERAL LOAD **(SCBC 1610.1)**	45 PSF (active) 60 PSF (at rest)
FOOTINGS	
Undisturbed footings	☐ no ☒ yes
Compacted Fill Material **(SCBC Section 1804.6)**	☐ no ☒ yes
ELEVATIONS	
Elevation of Water Table	N/A MSL
Elevation of lowest footing	295.0 MSL
Elevation of lowest floor or basement	296.0 MSL

STRUCTURAL DESIGN INFORMATION, BUILDING

WIND LOADS	Analysis Procedure **(ASCE 7 or SCBC 1609.6)**	
	Basic design Wind Speed, MPH **(3 sec gust IBC Fig 1609.3)**	114 = V
	Exposure Category	
	Wind Importance Factor **(ASCE 7 Table 1.5-2)**	NA = I_w
	Internal Pressure Coefficient **(ASCE 7)**	+/-0.18 = GC_{pi}
	External Pressure Coefficient **(ASCE 7)**	NA = GC_p
SEISMIC LOADS-E arthquake	Seismic Importance Factor **(ASCE 7)**	1 = I
	Site Class **(SCBC Section 1613.3.2)**	D (assumed)
	Mapped Spectral Response Accelerations	0.25 = S_s 0.093 = S_1
	Design Spectral Response Acceleration Parameters	0.266 = S_{DS} 0.149 = S_{D1}
	Seismic Use Group **(ASCE 7 and Seismic Occupancy Category IBC)**	Risk Category = II
	Seismic Design Category **SCBC Tables 1613.3.5(1) & 1613.3.5(2)**	C
	Basic Seismic Force Resisting System	Ordinary reinforced masonry shearwalls
	Design Base Shear	5.9 KIPS
	Seismic Response Coefficient(s) **ASCE 7**	0.133 = C_s
	Response Modification Factor(s) **ASCE 7**	2.0 = R
	Analysis Procedure	

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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

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY

SEE G-002

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Provide a table for each structure.

PLUMBING INFORMATION

WATER SYSTEM		
Service Line Size	4 Inches	
Distribution Design Criteria **(SCPC Table 604.3)**	42 Fixture Units	
Maximum Flow Rate **(SCPC Table 604.4)**	47 GPM	
Backflow	Location	Inside
	Type	Double Check
Test Pressure	NA psi	
SANITARY SEWER SYSTEM		
Service Line Size	4 Inches	
Drainage Design Criteria **(SCPC Tables 709.1 and 709.2)**	28.5 Fixture Units	
Maximum Flow Rate	8 GPD per Person	
Slope (SCPC Table 704.1)	1/8 Inches/Ft	

SUMMARY OF FIXTURES (SCPC Section 403 & Table 403.1)

Water Closets	Male-Required	1
	Male WC -Provided	1
	Male Urinal -Provided	1
	Female-Required	2
	Female-Provided	2
Lavatories	Male-Required	1
	Male-Provided	1
	Female-Required	1
	Female-Provided	1
Showers	Male-Provided	0
	Female-Provided	0
Drinking Fountains	Required	1
	Provided	2
Family or Assisted-Use Toilet	Required	1
	Provided	1
Service Sink	Required	1
	Provided	1
Others (list)	Required	
	Provided	

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Summary of data from approved ASHRAE 90.1 compliance sheets.

MECHANICAL INFORMATION

GENERAL INFORMATION		
Building Location		
Climate Zone		
Outdoor Design Temperature	Summer	96 deg F DB
		77 deg F WB
	Winter	23 deg F DB
		deg F WB
Indoor Design Temperature	Summer	N/A deg F DB
		N/A % RH
	Winter	40 deg F DB
		N/A % RH
OUTSIDE AIR		
Occupied Minimum Outside Air	N/A cfm per person	
CO2 Demand Management	☒ no ☐ yes	
Supervised Control System	☒ no ☐ yes	
MECHANCIAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT Briefly describe mechanical system: Heat and exhaust only		

ELECTRICAL INFORMATION

SERVICE TRANSFORMER	☒ By Utility	
	☐ By District	KVA Primary
		Voltage/Phase
ELECTRICAL SERVICE INFORMATION		
Service Voltage/Phase	240V/1 PH	100 Amperes
Service Entrance Conductors Size	#3	1 Qty per Phase
Total Connected Load		8 KVA
Estimated Maximum Demand		6 KVA
Available Fault Current in Sym. Amperes		10K
Interrupting Capacity of Service Overcurrent Device		100A
Grounding electrode system components (NEC 250)		#8
EMERGENCY SERVICE INFORMATION		
Emergency Generator	☒ no ☐ yes	KVA
	Fuel	Voltage/Phase
Exit/Emergency Lights Backup Power		☒ Integral Battery ☐ Generator
Fire Alarm System - NA	☐ Manual ☐ Automatic	☐ Addressable ☐ Class A ☐ Class B
LIGHTNING PROTECTION PROVIDED		☒ no ☐ yes

DESIGN & CONSTRUCTION RELATED PERMITS & APPROVALS

THE FOLLOWING LIST IS NOT ALL-INCLUSIVE OF EVERY PERMIT AND STANDARD APPLICABLE TO EACH PROJECT AND NOT ALL PROJECTS WILL REQUIRE ALL OF THE PERMITS LISTED BELOW. DISTRICT AND A/E'S MUST DETERMINE APPLICABLE PERMITS FOR EACH PROJECT. FINAL SITE SELECTIONS WILL DETERMINE THE APPLICABILITY OF MANY PERMITS AND STANDARDS LISTED BELOW.

TYPE OF DEVELOPMENT	SC LAW OR REG.	WHERE TO OBTAIN PERMIT/APPROVAL	APPLICABILITY	ADDITIONAL NOTES
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	NO	
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	

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STATE OF SOUTH CAROLINA LS3P ASSOCIATES, LTD. B 74003 COLUMBIA REGISTERED ARCHITECT

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07.25.2024

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BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME: CODE ANALYSIS (FORM F3)

ORIG SUBMISSION: 07/25/24

SHEET: G-001

CONSTRUCTION DOCUMENTS

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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

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY
Post Installed Anchors	Installer Qualifications	**Review** installer training records to confirm they have received manufacturer training per the contract documents	1705.1.1 Special Cases	
Post Installed Anchors	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	

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Form F3 – Building Code Analysis

Concrete	Inspection of reinforcing steel, including prestressing tendons, and placement	**Periodically** inspect reinforcing steel placement in accordance with contract documents and approved shop drawings to confirm size, spacing, cover, positioning, bends, grade, laps, supports and anchorage. **(100% inspection rate immediately prior to placing concrete)**	1705.3 Concrete Construction	
Concrete	Inspection of anchors cast in concrete	**Review** installer training records to confirm they have received manufacturer training per the contract documents. **Continously** 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)**	1705.3 Concrete Construction	
Concrete	Inspection of anchors post-installed in hardened concrete members.	**Review** installer training records to confirm they have received manufacturer training per the contract documents. **Continously** 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,	1705.3 Concrete Construction	

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

		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)**		
Concrete	Verifying use of required design mix	**Periodically** 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 Construction	
Concrete	Sample fresh concrete to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of concrete	**Continously** test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064). **(Frequency of sampling and testing as required by section 5.6.2 of ACI 318)**	1705.3 Concrete Construction	
Concrete	Inspection of concrete for proper application techniques	**Continously** inspect concrete placement techniques to confirm compliance with sections 5.9 and 5.10 of ACI 318.	1705.3 Concrete Construction	
Concrete	Inspection for maintenance of specified curing temperatures and techniques	**Periodically** inspection curing temperatures and techniques to insure compliance with contract documents and sections 5.11-5.13 of ACI 318	1705.3 Concrete Construction	

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Form F3 – Building Code Analysis

Masonry	Inspection of formwork for shape, location and dimensions of concrete member being formed	**Periodically** inspect formwork to ensure compliance with dimensions of members indicated on contract documents **(100% inspection rate during concrete placement)**	**1705.4 Masonry Construction**	
Masonry	Verify compliance with approved submittals	**Periodically** review batch tickets to 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)**	**1705.4 Masonry Construction**	
Masonry	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**	
Masonry	Inspect construction of 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**	
Masonry	Inspect location of reinforcement and connectors	**Periodically** inspect placement, positioning and lapping of reinforcing steel **(100% 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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Form F3 – Building Code Analysis

		Continously inspect placement positioning and lapping of joint reinforcement. **(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. **(100% inspection rate a minimum of once daily during masonry construction)**		
Masonry	Inspect Grout Space	**Periodically** 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 Masonry Construction**	
Masonry	Verify protection of masonry during hot/cold weather	**Periodically** inspect protection of masonry during cold weather (temperature below 40 deg F) or hot weather (temperature above 90 deg F) **Periodically** verify that all wall cavities are protected against precipitation. **(100% inspection rate a minimum of once daily during applicable portion of the work)**	**1705.4 Masonry Construction**	
Masonry	Verify grout placement complies with code and construction document provisions	**Continously** inspect placement, consolidation and reconsolidation of grout. **(100% inspection rate)** **Continously** verify grouting and grout consolidation procedures are in accordance with code and contract document provisions. **(100% inspection rate)**	**1705.4 Masonry Construction**	
Masonry	Evaluation of grout Strength	**Continously** Test compressive strength of grout samples (ASTM C1019).	**1705.4 Masonry Construction**	

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Form 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)**	**1705.5 Wood Construction**	
Soils	Verify materials below shallow foundations are adequate to achieve the design bearing capacity	**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 extended to proper depth and have reached proper material	**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	**1705.6 Soils**	

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Form 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	Perform classification testing of compacted fill materials.	**Periodically** perform testing of fill 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 specifically indicate testing, the minimum testing shall be sieve tests (ASTM D422 & D1140) and Standard Proctor tests (ASTM D698). **(Testing shall be completed for each source of material, or where obvious changes of properties of fill materials are realized)**	**1705.6 Soils**	
Soils	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	**Continously** verify materials for compacted fill to ensure materials have been previously tested and are in compliance with the contract documents and geotechnical report. **(100% inspection rate)** **Periodically** test density of each lift of fill within the building footprint to confirm compliance with compaction requirements outlined in the contract documents and 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)**	**1705.6 Soils**	

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Form F3 – Building Code Analysis

		Continously 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	Prior to placement of compacted fill, inspect subgrade and verify that the site has been prepared properly.	**Periodically** inspect subgrade within the building footprint prior to placement of compacted fill to ensure subgrade complies with contract documents and geotechnical report. **(100% inspection rate of all areas immediately prior to placement of fill)**	**1705.6 Soils**	

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07.25.2024

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Reviewed For Code Compliance

Prints of 'as' Construction Documents with Specifications were reviewed for compliance with the 2018 International Building Code, as amended by South Carolina, for the following: Structural, Life Safety, Accessibility, Mechanical, Electrical, Plumbing, Energy, Fire Protection, Fire Alarm, Elevator, Boiler, Pressure Vessel, Stage Equipment, Amusement Devices. Review does not include review of site work, nor the review, inspection or other requirements from or for other agencies or departments. Review is based upon information provided by the design professionals and/or the State Engineering Inspection Agency and/or the State Fire Marshal's Office. Review is based on the accuracy of the information provided.

Contact Plans and Specifications Review Section for questions or for the Inspection Office for inspections. Review Stamp valid for 24 months from date of review.

Plan Review Inspector: Date: 07-25-2024
"As" Stamped on Drawings: Yes
"As" Stamped on Specifications: Yes

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
CODE ANALYSIS (FORM F3)

ORIG SUBMISSION: 07/25/24

SHEET: G-002

CONSTRUCTION DOCUMENTS

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SECTION 801
GENERAL

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.

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

(c) one per five hundred for the remainder occupancy;

(2) toilets for female restrooms required for a stadium are:

(a) one per one hundred for the first one thousand five hundred twenty occupancy;

(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 and high 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."

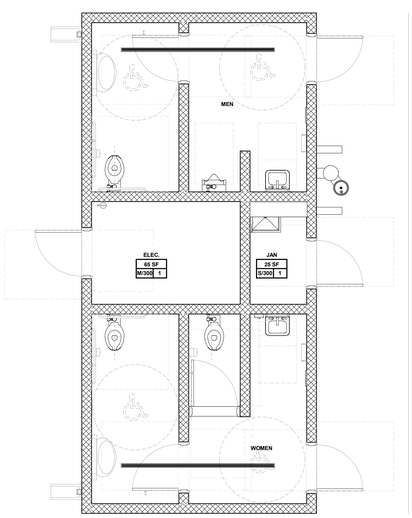
Time effective

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.

Therefore, the facility has a maximum occupancy of 400 occupants before additional toilets and lavatories are needed.



A1 **CODE COMPLIANCE PLAN**
1/4" = 1'-0"

TRUE NORTH PROJECT NORTH

LIFE SAFETY LEGEND

FILL PATTERN LEGEND

1 HOUR BARRIER
2 HOUR WALL

ROOM IDENTIFICATION

ROOM NAME 150 SF A15 10
- AREA
- OCCUPANCY LOAD
- OCCUPANCY GROUP (BASED ON TABLE 1004.1.1) & OCCUPANCY LOAD FACTOR & METHOD

13'-6" — DISTANCE- COMMON PATH OF TRAVEL
13'-6" — DISTANCE- EGRESS PATH
DISTANCE- TO FIRE EXTINGUISHERS
PATH DISTANCE
PATH

EXIT DOOR
34" 226 31 180
- EGRESS WIDTH (INCHES)
- EXIT CAPACITY (OCCUPANTS) [EGRESS WIDTH/0.2]
- ANTICIPATED LOAD (OCCUPANTS)
- DOOR FIRE RATING (MINUTES)

EXIT STAIR
48" 160 137 STAIR 4
- EXIT STAIR
- EGRESS WIDTH (INCHES)
- EXIT CAPACITY (OCCUPANTS) [DOOR EGRESS WIDTH/0.3]
- ANTICIPATED LOAD (OCCUPANTS)
- STAIR IDENTIFICATION

- EXIT SIGN: AT EXIT (ONE SIDED)
- EXIT SIGN: EXIT DIRECTION (ONE SIDED)
- EXIT SIGN: MULTIPLE EXIT DIRECTION (ONE SIDED)
- EXIT SIGN: TWO FILLED QUADRANTS INDICATE TWO SIDED SIGN (HATCHED AREAS INDICATE DIRECTIONS SIGN IS VISIBLE FROM)

- FIRE EXTINGUISHERS & CABINETS
- FEC ON HOOKS
- FEC SEMI RECESSED

LANCASTER COUNTY SCHOOL DISTRICT
Putting our children first

Lancaster County School District

LS3P
701-A LADY STREET
COLUMBIA, SOUTH CAROLINA 29201
TEL. 803.765.2418 FAX. 803.765.2419
WWW.LS3P.COM

STATE OF SOUTH CAROLINA
LS3P ASSOCIATES, LTD.
B 74003
COLUMBIA
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
ALLEN R. TAYLOR
Columbia, SC
4844
REGISTERED ARCHITECT

07.25.2024

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Reviewed For Code Compliance

Plans as of Construction Document stage, specifically for code compliance, have been reviewed by the undersigned and found to be in compliance with the applicable codes as adopted by the Authority Having Jurisdiction. Verification of the adoption dates of the codes is the responsibility of the design professionals. The review does not include verification of dimensions, nor does it include review of structural or other interpretations made by the design professionals of the adopted codes. Review of the plans does not authorize the design professionals to violate any code or law. Field inspections will be made to verify compliance with the approved plans and specifications.

General Plans and Code Compliance Review by:
Jim Hamilton - Director of Code Enforcement, Date: 07.25.2024
For Representation of Building Official

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
LIFE SAFETY PLAN

ORIG SUBMISSION: 07/25/24

SHEET:
G-003

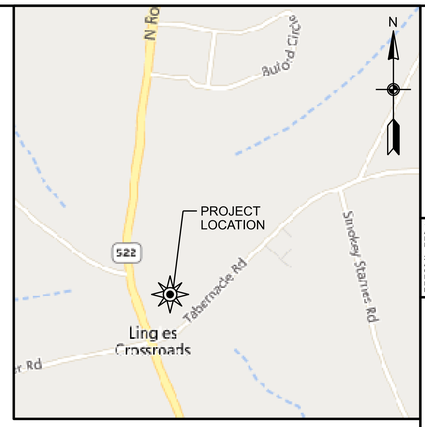
CONSTRUCTION DOCUMENTS

7/25/2024 12:19:14 PM

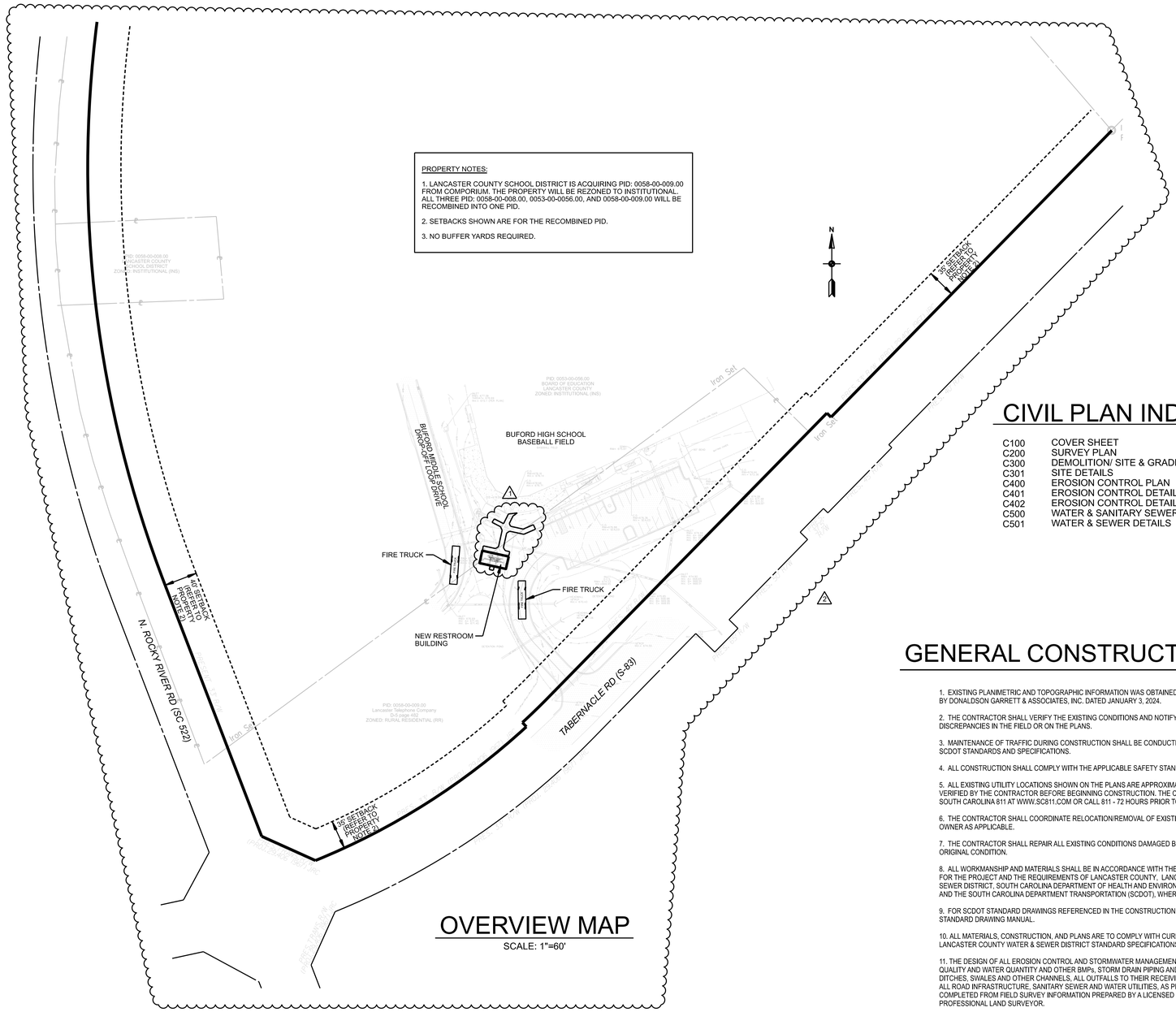
PROJECT:

BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

1890 ROCKY RIVER ROAD
LANCASTER, SOUTH CAROLINA



PROJECT LOCATION MAP
SCALE: NTS



OVERVIEW MAP
SCALE: 1"=60'

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

DETAIL REFERENCE SYMBOL

0 — DETAIL NUMBER
C000 — SHEET NUMBER OF DETAIL LOCATION

CIVIL PLAN INDEX

C100	COVER SHEET
C200	SURVEY PLAN
C300	DEMOLITION/ SITE & GRADING PLAN
C301	SITE DETAILS
C400	EROSION CONTROL PLAN
C401	EROSION CONTROL DETAILS
C402	EROSION CONTROL DETAILS
C500	WATER & SANITARY SEWER SERVICE PLAN
C501	WATER & SEWER DETAILS

GENERAL CONSTRUCTION NOTES

1. EXISTING PLANIMETRIC AND TOPOGRAPHIC INFORMATION WAS OBTAINED FROM SURVEY BY DONALDSON GARRETT & ASSOCIATES, INC. DATED JANUARY 3, 2024.

2. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE FIELD OR ON THE PLANS.

3. MAINTENANCE OF TRAFFIC DURING CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH SCDOT STANDARDS AND SPECIFICATIONS.

4. ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE SAFETY STANDARDS AND REQUIREMENTS.

5. ALL EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT SOUTH CAROLINA 811 AT WWW.SC811.COM OR CALL 811 - 72 HOURS PRIOR TO DIGGING.

6. THE CONTRACTOR SHALL COORDINATE RELOCATION/REMOVAL OF EXISTING UTILITIES WITH THE UTILITY OWNER AS APPLICABLE.

7. THE CONTRACTOR SHALL REPAIR ALL EXISTING CONDITIONS DAMAGED BY CONSTRUCTION TO THE ORIGINAL CONDITION.

8. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR THE PROJECT AND THE REQUIREMENTS OF LANCASTER COUNTY. LANCASTER COUNTY WATER & SEWER DISTRICT, SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC), AND THE SOUTH CAROLINA DEPARTMENT TRANSPORTATION (SCDOT), WHERE APPLICABLE.

9. FOR SCDOT STANDARD DRAWINGS REFERENCED IN THE CONSTRUCTION PLANS SEE THE SCDOT STANDARD DRAWING MANUAL.

10. ALL MATERIALS, CONSTRUCTION, AND PLANS ARE TO COMPLY WITH CURRENT LANCASTER COUNTY AND LANCASTER COUNTY WATER & SEWER DISTRICT STANDARD SPECIFICATIONS AND DETAILS.

11. THE DESIGN OF ALL EROSION CONTROL AND STORMWATER MANAGEMENT FEATURES FOR WATER QUALITY AND WATER QUANTITY AND OTHER BMPs, STORM DRAIN PIPING AND MANHOLES, CULVERTS, DITCHES, SWALES AND OTHER CHANNELS, ALL OUTFALLS TO THEIR RECEIVING WATERS, IN ADDITION TO ALL ROAD INFRASTRUCTURE, SANITARY SEWER AND WATER UTILITIES, AS PRESENTED HEREIN, HAS BEEN COMPLETED FROM FIELD SURVEY INFORMATION PREPARED BY A LICENSED SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR.

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Consulting Engineers since 1974
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(803) 327-7121 WWW.CAMPCOENGINEERING.COM

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2. MATERIALS, DIMENSIONS, AND ALL OTHER CONDITIONS WHICH ARE NOT OTHERWISE DEFINED ON THIS DRAWING SHALL BE CONSTRUED AS HAVING THE SAME MEANING AS SIMILARLY INDICATED CONDITIONS WHICH ARE MORE FULLY DEFINED ELSEWHERE ON THIS PROJECT OR OTHER DRAWINGS ON THIS PROJECT.

BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

Released For Code Compliance
These set of Construction Documents and/or Specifications that have been submitted to and reviewed by the Authority Having Jurisdiction (AHJ) by signature, or by letter, or by email, or by any other means acceptable to the AHJ, indicate that these documents or portions thereof comply with the South Carolina State Residential Code, State Energy Code, International Fire Code, State Fire Code, and other referenced codes and standards. It is the intent of the AHJ that enforcement of these codes and standards shall be the responsibility of the registered design professionals who prepared the documents for the work within their respective areas of expertise. The AHJ does not review the documents for compliance with the requirements of these codes and standards, and the AHJ does not verify the completeness of the documents. Any deficiencies discovered during construction shall be resolved by the registered design professional responsible for the portion of the work in question.
Michael Lee Campbell, PE, SE, RA, AIA, NCARB
S.C. Registered Professional Engineer (Structural)
06-03-2024

CONSTRUCTION DOCUMENTS

1890 ROCKY RIVER RD
LANCASTER, SC 29720

CALL 811 BEFORE YOU DIG — 811 SAFE DIGGING PARTNER

REVISIONS

NO.	DATE	DESCRIPTION
1	06-03-24	OSF REVIEW COMMENTS
2	06-03-24	LANCASTER COUNTY REVIEW COMMENTS

COVER SHEET

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 12879 MICHAEL LEE CAMPBELL
06-03-2024
SOUTH CAROLINA CAMPCO ENGINEERING, INC. No. C00502 CERTIFICATE OF AUTHORIZATION

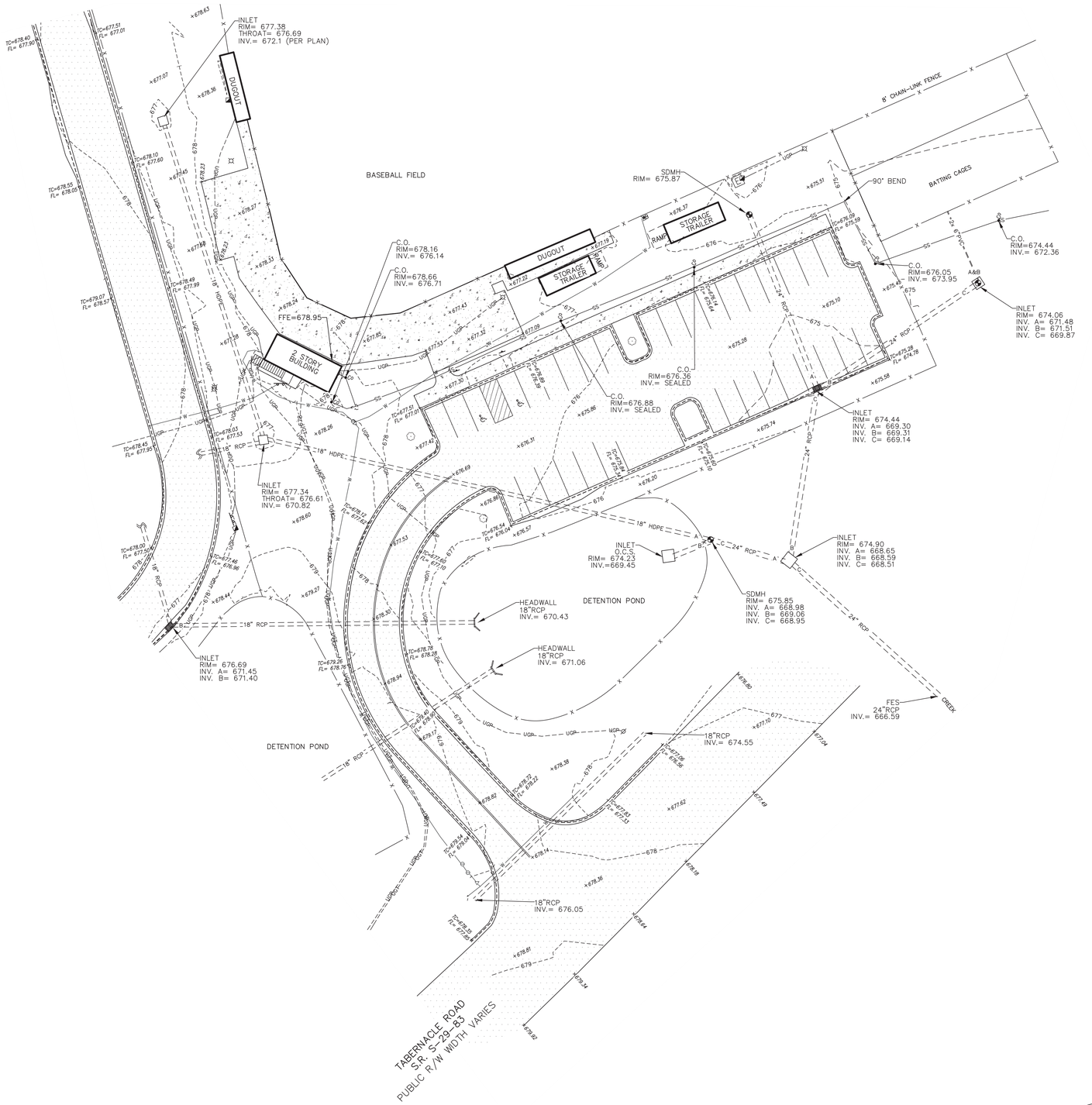
CE: 9898	ISSUED: 06-03-24
SCALE: NA	CAD FILE: 9898CVC100

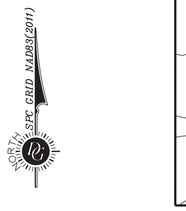
C100

DocuSign Envelope ID: 8ABDB551-CAF8-434F-A0A3-293518851 4ED

LEGEND

WOODS LINE	
FENCE LINE	x x x
EXISTING CONTOUR LINE	680
GAS LINE	G
WATER LINE	W
OVERHEAD POWER LINE	OHP
OVERHEAD TELEPHONE LINE	OHT
OVERHEAD TV CABLE	TV
UNDERGROUND POWER LINE	UGP
UNDERGROUND TELEPHONE LINE	UGT
SANITARY SEWER LINE	SS
STORM SEWER LINE	18" RCP
UTILITY POLE/GUY WIRE	
LIGHT POLE	
TELEPHONE PEDESTAL	T
ELECTRIC/POWER METER	E
ELECTRIC PEDESTAL	EPED
WATER VALVE	
WATER METER	
FIRE HYDRANT	
GAS METER	
GAS VALVE	
STORM WATER MANHOLE	SDMH
STORM WATER INLET	INLET
SANITARY SEWER MANHOLE	SSMH
CLEANOUT	CO
SIGN	
MAILBOX	
2" – 3" TREE	
SPOT ELEVATION	× 678.21
ASPHALT	
CONCRETE	
GRAVEL	





VICINITY MAP
NOT TO SCALE

NORTH
SPC GRID NAD83(2011)

NOTES

1. THE STREET ADDRESS OF THE PROPERTY IS 1890 N. ROCKY RIVER RD, LANCASTER, SC 29720.
2. THE TAX PARCEL IDENTIFICATION NUMBER FOR THE SUBJECT PROPERTY IS 0058-00-009.00 AND 0053-00-056.00.
3. 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.
4. THIS SURVEY IS REFERENCED TO THE SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 83(2011).
5. ONE FOOT CONTOUR INTERVALS SHOWN. ELEVATIONS ARE TIED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 – GEOID 18).
6. THE RIGHT OF WAY LINES AND ANY PROPERTY LINE LOCATIONS SHOWN ARE APPROXIMATE. THIS IS NOT A BOUNDARY SURVEY.
7. 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.
8. 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.

GPS REAL TIME KINEMATIC (RTK) NETWORK SUMMARY

I, John M. Story, certify that this map was drawn under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

(1) Class of Survey: A
(2) Positional accuracy: HORIZONTAL 0.013' – VERTICAL 0.032'
(3) Type of GPS field procedure: NC VRS – Integrated GPS L1/L2+L2C GLO L1/L2 Trimble R6 model 4
(4) Dates of Survey: JANUARY 11, 2021
(5) Datum/ Epoch: NAD83(2011); / NAVD88 (EPOCH 2010.0).
(6) Published/ Fixed-control use: "SCWR WHITE ROSE" NAD 83 (2011) POSITION (EPOCH 2010.0)
(7) GEOID Model: GEOID 18.
(8) Combined Grid Factor: 1.00002633
(9) Units: International Feet

SURVEYOR'S CERTIFICATE

"I hereby state that to the best of my knowledge, information, and belief, the survey shown herein was made in accordance with the requirements of the Minimum Standards Manual for the Practice of Land Surveying in South Carolina, and meets or exceeds the requirements for a Class A survey as specified therein; also there are no visible encroachments or projections other than shown."

DocuSigned by:
John M. Story
1AF1982038D84F1...
John M. Story SC Professional Land Surveyor No. 19020
January 31, 2024
Date

C200

20 0 20 40 60
GRAPHIC SCALE IN FEET

FLOOD ZONE INFORMATION

ACCORDING TO MAPPING PROVIDED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AND SHOWN ON THE FLOOD INSURANCE RATE MAP (FIRM) LANCASTER COUNTY, SOUTH CAROLINA PANEL NUMBER 45012001750, EFFECTIVE DATE: JUNE 16, 2011, THE PROPERTY SHOWN HEREON IN NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA. THE PROPERTY IS ENTIRELY WITHIN AN AREA DESIGNATED ZONE X – AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

Reviewed For Code Compliance

These as-of Construction Documents (other Specifications from Sheet Number(s) N/A) have been reviewed by the Building Official and found to comply with the requirements of the South Carolina Building Codes and Lancaster County Ordinances. Review is for general conformance only and does not cover the full extent of the code(s) listed above. Review does not include, especially or other representations from the Contractor, Subcontractor, Supplier, Vendor, Owner, Or Other Parties. Code staff assumes no liability of any kind, and shall not be liable for any omissions or errors in the plans, specifications, or other documents during construction or post-construction.

Stamp/Date: _____

Plan Review Number: _____

Code Plan Reviewer: _____ Date: _____

Permit Number: _____ Date: _____

TOPOGRAPHIC SURVEY

FOR

BUFORD HIGH SCHOOL

PROPOSED BASEBALL FIELD RESTROOMS

BUFORD TOWNSHIP
LANCASTER LANCASTER COUNTY SOUTH CAROLINA

CALL BEFORE YOU DIG! 1-888-721-7877 SOUTH CAROLINA ONE-CALL 811

DWN.BY:	RJW
CKD.BY	JMS
FIELDBOOK	N/A
PLS NO.	19020

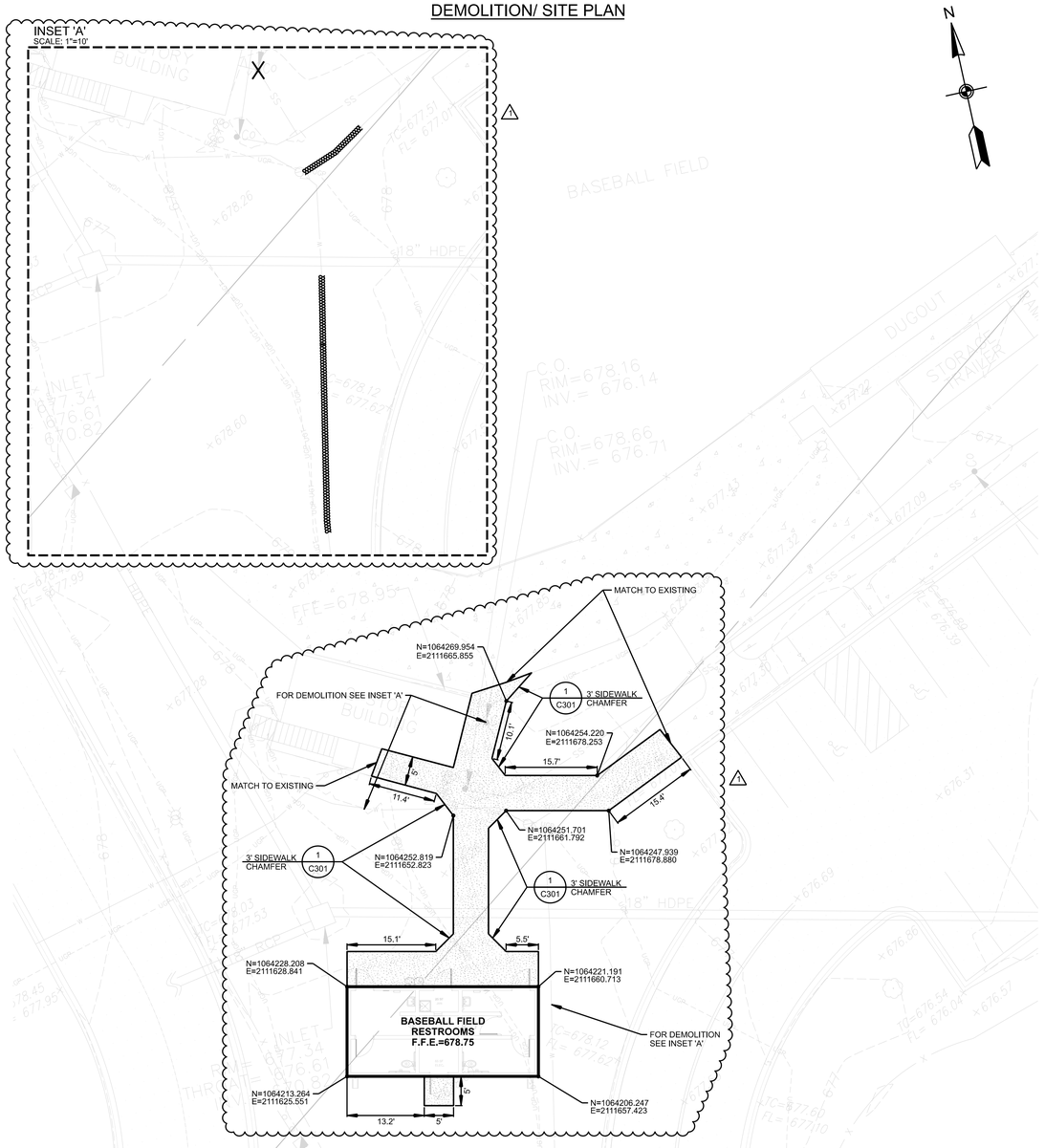
Donaldson Garrett & Associates, Inc.
SACOH • CHARLOTTE
9741-L SOUTHERN PINE BOULEVARD
CHARLOTTE, N.C. 28273
(704) 374-1955 Mobile:(704) 589-6192
www.dga-nc.com
info@dga-nc.com
NC CORPORATE LICENSE NO. C-1518

DATE:	JANUARY 3, 2004
SCALE:	1"=20'
PROJECT NO.	1672-016-N1
DRAWING NO.	NC-002-24-E

THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF D. G. & A. AND NO PART THEREOF MAY BE USED OR REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION.

S:\Working\1672-Compco Engineering, Inc\016-(N1470) Buford Middle School – Lancaster County School District\Drawing\Buford HS Baseball Field AS-BUILT PROPOSED RESTROOMS 01-31-2024.dwg 2/5/2024 9:04:04 AM BY:JOHN STORY

DEMOLITION/ SITE PLAN



SITE DATA

PROPERTY OWNER: BOARD OF EDUCATION
LANCASTER COUNTY

TAX MAP #: PARCELS TO BE RECOMBINED
0053-00-056.00
0058-00-008.00
0058-00-009.00

ZONED: INSTITUTIONAL

LAND USE: SCHOOL

IMPERVIOUS CALCULATIONS: BUILDING- 500 S.F
CONCRETE- 768 S.F.

STAKING NOTES:

1. ALL DIMENSIONS ARE TO FACE OF BUILDING OR TO EDGE OF SIDEWALK UNLESS OTHERWISE NOTED.

2. ALL DIMENSIONS ARE 90 DEGREES UNLESS OTHERWISE NOTED.

3. REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS.

4. COORDINATE CONSTRUCTION AND LOCATION OF SIDEWALKS, STOOPS, AND ACCESS DOORS WITH ARCHITECTURAL PLANS.

5. COORDINATE SIDEWALK AND SCORING PATTERN ADJACENT TO THE BUILDING WITH THE ARCHITECTURAL PLANS.

DEMOLITION NOTES:

1. ALL DEBRIS FROM DEMOLITION SHALL BE REMOVED FROM THE SITE & DISPOSED IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REQUIREMENTS.

2. COORDINATE RELOCATION & REMOVAL OF EXISTING UTILITIES WITH UTILITY OWNERS.

3. CONTRACTOR SHALL BE A SCDHEC LICENSED SEPTIC CONTRACTOR FOR THE REMOVAL AND DISPOSAL OF EXISTING SANITARY SEWER SEPTIC TANK.

LEGEND

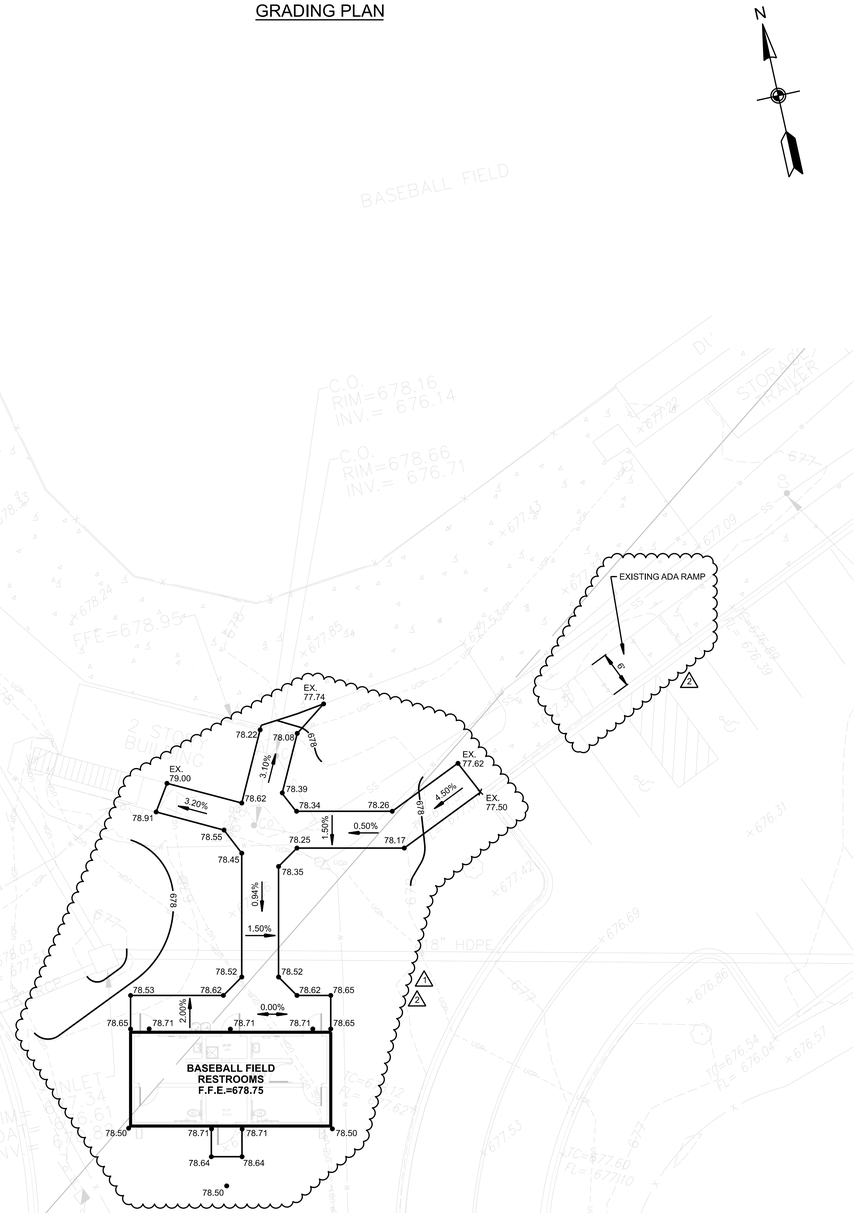
REMOVE EXISTING WATER LINES & APPURTENANCES

REMOVE EXISTING SANITARY SEWER SEPTIC TANK (REFER TO NOTE 3) — X

1 / C301 — 6' CONCRETE SIDEWALK (TYP.-UNLESS OTHERWISE NOTED)

10 5 0 10 20
SCALE: 1" = 10'

GRADING PLAN



GRADING NOTES:

1. CONTOURS ARE TO FINISH GRADE.

2. GRADE LANDSCAPE AREAS OUTSIDE BUILDING AND SIDEWALK TO ELEVATION OF 6" BELOW FINISHED GRADE MINIMUM, SUCH THAT TOPSOIL MAY BE SPREAD OVER THESE AREAS TO FINISHED GRADE.

3. GRADE AND FINISH AREAS SUCH THAT POSITIVE DRAINAGE OCCURS AT EACH DRAINAGE INLET AS DESIGNED.

4. ALL SPOT ELEVATIONS AROUND CURB AND GUTTER ARE BACK OF CURB (B.O.C) AND ARE IDENTIFIED AS "X".

5. FINISHED GRADE SPOT ELEVATIONS ARE IDENTIFIED AS ●.

6. ADD 600 TO ALL SPOT ELEVATIONS UNLESS OTHERWISE NOTED.

10 5 0 10 20
SCALE: 1" = 10'

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BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

Released For Code Compliance
These set of Construction Documents and/or Specifications have been reviewed under the South Carolina Residential Code, the South Carolina Energy Conservation Code, the Standard Building Code or the International Building Code, as adopted by the jurisdiction listed above. The intent of this review is to verify compliance with the referenced codes governing the design of the project. The review does not extend to the design of structural components and systems such as foundations, frame, exterior walls, roof, floor, ceiling, and other components and systems that are not regulated by the referenced codes or are regulated by other codes, standards, or laws. It is the responsibility of the registered design professional who seals the construction documents to insure that the design of structural components and systems and other aspects of the building or facility covered by the referenced codes and standards are in compliance with the applicable codes.
Plans review by Campco Engineering, Inc. for the Jurisdiction: Lancaster County, SC
Date: 06-03-2024
Plans Review Number: 9898DMSTGPC300
Plans Examiner: Michael Lang

CONSTRUCTION DOCUMENTS

1890 ROCKY RIVER RD
LANCASTER, SC 29720

CALL 811 BEFORE YOU DIG — SAFE DIGGING PARTNER

REVISIONS

NO.	DATE	DESCRIPTION
1	06-03-24	OSF REVIEW COMMENTS
2	06-03-24	LANCASTER COUNTY REVIEW COMMENTS

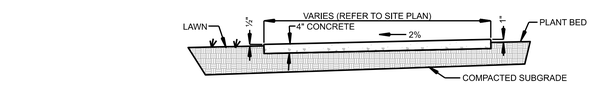
DEMOLITION/ SITE & GRADING PLAN

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 12870 MICHAEL LANG
06-03-2024

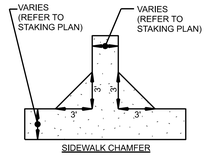
SOUTH CAROLINA CAMPCO ENGINEERING, INC. No. C00602 CERTIFICATE OF AUTHORIZATION

CE: 9898	ISSUED: 06-03-24
SCALE: 1"=10'	CAD FILE: 9898DMSTGPC300

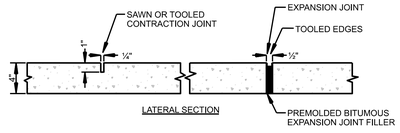
C300



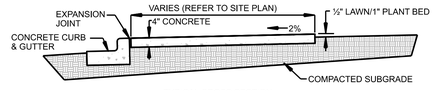
TYPICAL CROSS SECTION



SIDEWALK CHAMFER



LATERAL SECTION

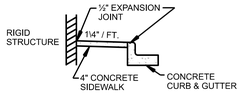


TYPICAL CROSS SECTION

GENERAL NOTES:

1. A GROOVE JOINT 1" DEEP WITH A 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT IS REQUIRED AT 45' INTERVALS. A 1/2" EXPANSION JOINT IS REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

2. CONCRETE SHALL BE 3000 P.S.I. IN 28 DAYS.



1 / C301 CONCRETE WALK
NTS

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Consulting Engineers since 1974

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(803) 327-7121 WWW.CAMPCOENGINEERING.COM

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BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

Released For Code Compliance

Date of Construction Document under Specification Sect. Sect. 110.3 Examination of Documents. 110.3.1 Construction Documents. Documents and Specifications, the Building Official of Fairfield County, Hereby authorizes the Applicant to proceed with the construction as described in the Approved Construction Documents and Specifications. Any deviations from the approved documents and specifications shall be cause for stop work and revocation of the permit. Compliance with Standards, as set forth in the Fairfield County Building Codes and Standards, will be the responsibility of the Applicant during construction and upon completion.

Michael Stuckey, Fairfield County Building Official, is not the inspector. Inspections are the responsibility of the Applicant.

Michael Stuckey
Fairfield County Building Official
Fairfield County, South Carolina
06-03-2024

CONSTRUCTION DOCUMENTS

1890 ROCKY RIVER RD
LANCASTER, SC 29720

REVISIONS

NO.	DATE	DESCRIPTION

SITE DETAILS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 12879 MICHAEL T. FREEL
06-03-2024

SOUTH CAROLINA CAMPCO ENGINEERING, INC. No. C00602 CERTIFICATE OF AUTHORIZATION

CE: 9898	ISSUED: 06-03-24
SCALE: NA	CAD FILE: 9898DTC301

C301

EROSION CONTROL CONSTRUCTION SCHEDULE

1. OBTAIN SEDIMENT AND EROSION CONTROL PERMIT FROM SCDHEC. SCHEDULE A PRE-CONSTRUCTION MEETING ON-SITE. CONTACT THE SCDHEC EQC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.

2. INSTALL TEMPORARY CONSTRUCTION ENTRANCES/ EXITS.

3. CLEAR AND GRUB AREAS FOR INSTALLATION OF PERIMETER CONTROLS.

4. INSTALL SEDIMENT PROTECTION FENCES.

5. SCHEDULE AN ON-SITE CONFERENCE WITH THE OWNER'S REPRESENTATIVE AND SCDHEC REPRESENTATIVE, IF REQUIRED BY THE PERMIT.

6. CLEAR AND GRUB REMAINDER OF SITE. STRIP TOPSOIL AND STORE IN LOCATION SHOWN ON PLANS. INSTALL SILT FENCE AROUND TOPSOIL STOCKPILE ON ALL SIDES AND STABILIZE AS SOON AS POSSIBLE.

7. BEGIN SITE GRADING. GRADE SITE TO MAINTAIN EXISTING DRAINAGE PATTERNS.

8. GRADE BUILDING PAD.

9. COMPLETE SITE GRADING. CONSTRUCT ADDITIONAL PERIMETER CONTROLS AS NECESSARY FOR CONSTRUCTION STAGING.

10. APPLY STABILIZATION MEASURES (TEMPORARY OR PERMANENT SEEDING) AS SOON AS GRADING IS COMPLETE. (REFER TO MAINTENANCE SCHEDULE.)

11. INSTALL WATER & SEWER SERVICES AND SIDEWALK. INSTALL FINAL LANDSCAPING.

12. AFTER SITE IS STABILIZED, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES, AND REPAIR AND STABILIZE DISTURBED AREAS. ACQUIRE PERMISSION FROM OWNER'S REPRESENTATIVE AND SCDHEC REPRESENTATIVE, PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.

EROSION CONTROL NOTES:

1. LOCATION OF EXISTING UTILITIES AND OTHER SITE FEATURES SHALL BE FIELD VERIFIED PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. THE ENGINEER SHALL BE NOTIFIED WITH ANY DISCREPANCIES.

1 2. AREA OF DISTURBANCE: 0.2 ACRES

3. REFER TO SHEET C401 AND SPECIFICATIONS FOR GRASSING REQUIREMENTS.

4. EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE SCDHEC STORM WATER MANAGEMENT BMP HANDBOOK.

5. CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES TO CONTROL EROSION AND/OR OFF-SITE SEDIMENT AS REQUIRED BY SCDHEC AND/OR THE LOCAL GOVERNING AGENCY.

6. REFER TO ACCOMPANYING PROJECT MANUAL FOR ADDITIONAL INFORMATION, THIS SHEET FOR EROSION CONTROL CONSTRUCTION SCHEDULE, AND SHEET C401 EROSION CONTROL MAINTENANCE SCHEDULE/STANDARD NOTES.

7. THERE IS NO FLOOD PLAIN PRESENT ON THIS SITE. FIRM PANEL NO. 45057C0175D, COMMUNITY: LANCASTER COUNTY, DATED: 06/16/2011

8. UNSUITABLE / TOPSOIL STOCKPILE(S) SHALL BE CONSTRUCTED WITHIN THE AREA IDENTIFIED ON THE PLANS AND AS DIRECTED BY THE OWNERS REPRESENTATIVE. FINAL GRADES OF STOCKPILE SHALL BE UNIFORM AND STABILIZED AT A MAXIMUM HEIGHT OF 10' AND 4:1 SIDE SLOPES.

9. WITHIN SEVEN CALENDAR DAYS, TEMPORARY STABILIZATION MEASURES SHALL BE COMPLETED ON TOPSOIL STOCKPILES. THE BURIAL OF ANY CELLULOSE DEBRIS WILL NEED TO BE PLATTED. THE REMOVAL OF SOIL OR WASTE FROM THE PROPOSED SITE WILL NEED TO BE TAKEN TO A PERMITTED LANDFILL OR ANOTHER PERMITTED SITE WITH A VALID LAND DISTURBANCE PERMIT. THE ASSOCIATED SITE WOULD ALSO BE REQUIRED TO PROVIDE THE APPROPRIATE EROSION AND SEDIMENT CONTROL NECESSARY TO RETAIN SEDIMENT ON SITE (WITHIN THE LIMITS OF DISTURBANCE PERMITTED).

MAINTENANCE NOTES

1. INSPECT SEDIMENT FENCE EVERY 7 CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2-INCHES OR MORE OF PRECIPITATION. CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY. CHECK WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED BY FENCE OVERTOPPING.

2. IF THE SEDIMENT FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY.

3. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES ⅓ THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED.

4. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE.

5. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.

6. PERMANENTLY STABILIZE DISTURBED AREAS RESULTING FROM FENCE REMOVAL.

LEGEND

SC-07A C402	TYPE A - SEDIMENT TUBE INLET PROTECTION	A
SC-03 C401	SILT FENCE	
RC-07 C401	CONCRETE WASHOUT	
SC-06 C401	STABILIZED CONSTRUCTION ENTRANCE	
SC-15 C401	STOCKPILE AREA WITH SURROUNDING SILT FENCE (REFER TO NOTE 8)	STOCKPILE
	CONSTRUCTION LIMITS	

10 5 0 10 20

SCALE: 1" = 10'

Campco Engineering, Inc.
Consulting Engineers since 1974

156 OAKLAND AVENUE, ROCK HILL, SC 29730
(803) 327-7121 WWW.CAMPCOENGINEERING.COM

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BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

Released For Code Compliance

Date of Construction Document under Specification Item Item 1 of Construction Documents, Code Compliance Review Item 1 of Permit Application, the Building Official of Fort Mill, SC, hereby states that the Construction Documents for the Project named above, prepared by Campco Engineering, Inc. and submitted to the Building Official for Code Compliance Review, are in compliance with the Fort Mill, SC Code of Ordinances, and the Building Codes and Standards, as of the date the Building Official signs this statement. Any subsequent revisions to the Construction Documents, or any other conditions, may be subject to review and compliance with the Fort Mill, SC Code of Ordinances.

Fort Mill, SC Building Official: Date: 06-03-2024
Fort Mill, SC Building Official Signature

CONSTRUCTION DOCUMENTS

1890 ROCKY RIVER RD
LANCASTER, SC 29720

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REVISIONS

NO.	DATE	DESCRIPTION
1	06-03-24	OSF REVIEW COMMENTS

EROSION CONTROL PLAN

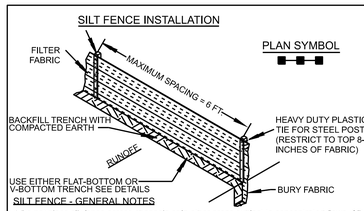
SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 12879
MICHAEL J. ROSS
06-03-2024

SOUTH CAROLINA
CAMPCO ENGINEERING, INC.
No. C00602
CERTIFICATE OF AUTHORIZATION

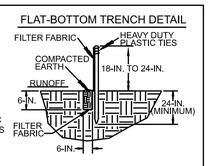
CE: 9898	ISSUED: 06-03-24
SCALE: 1"=10'	CAD FILE: 9898ECC400

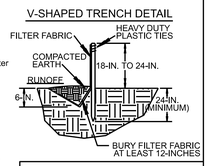
C400

SILT FENCE INSTALLATION



PLAN SYMBOL





SILT FENCE - GENERAL NOTES

1.Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.

2.Maximum sheet or overland flow path length to the silt fence shall be 100-feet.

3.Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.

4. Silt fence joints, when necessary, shall be completed by one of the following options:
- Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap;
- Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or.
- Overlap entire width of each silt fence roll from one support post to the next support post.

5.Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.

6.Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenanc and deanout.

7.Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

SILT FENCE - POST REQUIREMENTS

1.Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics,
- Composed of a high strength steel with a minimum yield strength of
- 50,000 psi.
- Include a standard "T" section with a nominal face width of 1.38-inches
  and a nominal "T" length of 1.48-inches.
- Weigh 1.25 pounds per foot (± 8%)

2.Posts shall be equipped with projections to aid in fastening of filter fabric.

3.Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.

4.Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.

5.Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE - FABRIC REQUIREMENTS

1.Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
- Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
- Free of any treatment or coating which might adversely alter its physical properties after installation;
- Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
- Have a minimum width of 36-inches.

2.Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.

3.12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.

4.Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.

5.Filter Fabric shall be installed at a minimum of 24-inches above the ground.

6.Wire backed silt fence is required where contributing slope exceeds 3%.

SILT FENCE - INSPECTION & MAINTENANCE

1.The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.

2.Regular inspections of silt fence shall be conducted once every calendar week and, as recommended within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.

3.Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.

4.Remove accumulated sediment when it reaches 1/3 the height of the silt fence.

5.Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.

6.Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.

7.Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.

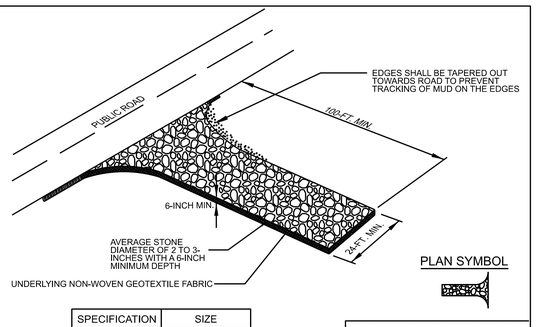
8.Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

GENERAL NOTES — FEBRUARY 2014 DATE



PLAN SYMBOL

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

South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 1 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

CONSTRUCTION ENTRANCE - GENERAL NOTES

1.Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.

2.Install a non-woven geotextile fabric prior to placing any stone.

3.Install a culvert pipe across the entrance when needed to provide positive drainage.

4.The entrance shall consist of 2-inch to 3-inch D50 stone placedat a minimum depth of 6-inches.

5.Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.

6.The edges of the entrance shall be tapered out towards the road to prevent tracking at theedge of the entrance.

7.Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.

8.Limestone may not be used for the stone pad.

CONSTR ENTRANCE - INSPECTION & MAINTENANCE

1.The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.

2.Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-Inch or more of precipitation.

3.During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.

4.Reshape the stone pad as necessary for drainage and runoff control.

5.Wash or replace stones as needed and as directed by site inspector. The stone inthe entrance should be washed or replaced whenever the entrance fails to reduce theamount of mud being carried off-site by vehicles. Frequent washing will extend theuseful life of stone pad.

6.Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.

7.During maintenance activities, any broken pavement should be repaired Immediately.

8.Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless areawill be converted to an impervious surface to serve post-construction.

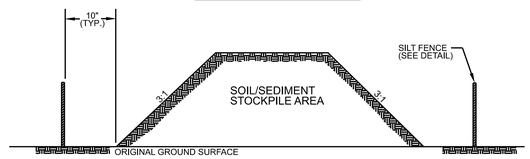
South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

GENERAL NOTES — FEBRUARY 2014 DATE

TEMPORARY STOCKPILE AREA



PLAN SYMBOL

STOCKPILE

NOTES:

1.SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON/NEAR A SLOP THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.

2.IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.

3.SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.

4.THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

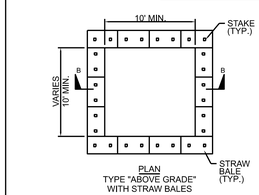
South Carolina Department of Health and Environmental Control

TEMPORARY STOCKPILE

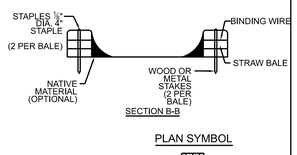
STANDARD DRAWING NO. SC-15 PAGE 1 of 1

NOT TO SCALE — FEBRUARY 2014 DATE

STRAW BALE BARRIER CONCRETE WASHOUT

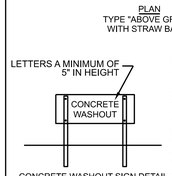


PLAN
TYPE "ABOVE GRADE" WITH STRAW BALES



SECTION B-B

PLAN SYMBOL



CONCRETE WASHOUT SIGN DETAIL

NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.

2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.

4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.

5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.

6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.

7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

South Carolina Department of Health and Environmental Control

CONCRETE WASHOUT

STRAW BALES OR ABOVE GROUND

STANDARD DRAWING NO. RC-07 PAGE 1 of 1

NOT TO SCALE — FEBRUARY 2014 DATE

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 6-INCHES DEEP.

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.

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

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

350 LBS./AC REBEL FESCUE
4000LBS./AC AGRICULTURAL LIME
1000LBS./AC 10-10-10 FERTILIZER
500 LBS./AC 0-20-0 SUPERPHOSPHATE
1-1/2T./AC STRAW MULCH
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).

SCDHEC SEEDING SCHEDULE:

Permanent Seeding - Upstate

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Ilahia Grass (Alone)	40												
Ilahia 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 F1 Innoculant	40												
Ladino Clover (mix only) Innoculate with AB Innoculant	2												
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												
Crownvetch (Mix) (Inoculate with Type M Innoculant	8-10												

3
C401

PERMANENT SEEDING SPECIFICATIONS

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 6-INCHES DEEP.

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.

4. FERTILIZER AND LIME TO BE APPLIED UNIFORMLY AND MIXED WITH SOIL DURING SEEDBED PREPARATION.

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

80 LBS./AC TALL FESCUE
4000 LBS./AC AGRICULTURAL LIME
1000 LBS./AC 10-10-10 FERTILIZER
500 LBS./AC 0-20-0 SUPERPHOSPHATE
1-1/2 T./AC STRAW MULCH
225 GAL./AC ASPHALT TIE-DOWN
30 LBS./AC RYE GRAIN (NOVEMBER THROUGH FEBRUARY)
WORK LIME FERTILIZER INTO SOIL 3" TO 4" DEEP.

FOR 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 LESPEDEZA (DECEMBER THROUGH JULY).

SCDHEC SEEDING SCHEDULE:

Temporary Seeding - Upstate

Species	lbs /ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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 Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												

2
C401

TEMPORARY SEEDING SPECIFICATIONS

---

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

2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED,EXCEPT AS STATED BELOW.
-WHERE STABILIZATION BY THE 14th DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
-WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN (14) DAYS,TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF(0.5) INCH. IF SITE INSPECTIONS OR OTHER INFORMATION IDENTIFY BMP'S THAT ARE DAMAGED, INAPPROPRIATELY OR INCORRECTLY INSTALLED, OR NOT OPERATING EFFECTIVELY THEN MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL, OR AS REASONABLY POSSIBLE AND NO LESS THAN 48 HOURS FROM THE TIME OF IDENTIFICATION (PREFERABLY BEFORE THE NEXT STORM EVENT).

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, 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 EROSION.

1
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EROSION CONTROL MAINTENANCE SCHEDULE/STANDARD NOTES

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BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

CONSTRUCTION DOCUMENTS

1890 ROCKY RIVER RD
LANCASTER, SC 29720

REVISIONS

NO.	DATE	DESCRIPTION

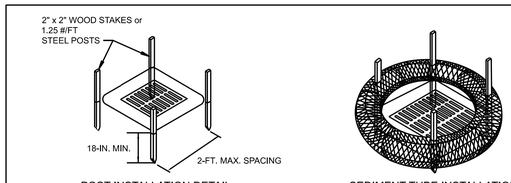
EROSION CONTROL DETAILS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 12879 MICHAEL
06-03-2024

SOUTH CAROLINA CAMPCO ENGINEERING, INC. No. C00002 CERTIFICATE OF AUTHORIZATION

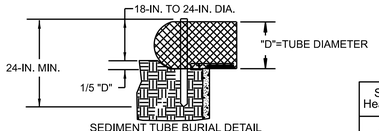
CE: 9898	ISSUED: 06-03-24
SCALE: NA	CAD FILE: 9898DTC401

C401



POST INSTALLATION DETAIL

SEDIMENT TUBE INSTALLATION DETAIL



SEDIMENT TUBE BURIAL DETAIL

PLAN SYMBOL

South Carolina Department of Health and Environmental Control

Type A

SEDIMENT TUBE INLET PROTECTION

STANDARD DRAWING No. SC-07A PAGE 1 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

TYPE A - SEDIMENT TUBE INLET PROTECTION

GENERAL NOTES

1. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulchstraw pine needle, and leaf mulch-filled sediment tubes are notpermitted.

2. The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.

3. Sediment tube diameters shall range from 18-inches to 24-inches. Sediment tunes with smaller diameters are prohibited when used as inlet protection.

4. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.

5. Sediment tubes should be staked using wooden oak stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.

6. Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufactuer's recommendations should always be consulted before installation.

7. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the fieldjoint.

8. Sediment tubes should not be stacked on top of one another.

9. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.

10. Install stakes at a diagonal facing incoming runoff.

INSPECTION & MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.

2. Regular inspections of sediment tube inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.

3. Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.

4. Remove accumulated sediment when it reaches 1/3 the height of the sediment tube. When a sump is installed in front of the inlet protection, sediment shall be removed when if fills approximately 1/3the depth of the sump.

5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.

6. Large debris, trash, and leaves should be removed from in front of tubes when found.

7. Inlet protection structures should be removed after the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

South Carolina Department of Health and Environmental Control

Type A

SEDIMENT TUBE INLET PROTECTION

STANDARD DRAWING No. SC-07A PAGE 2 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

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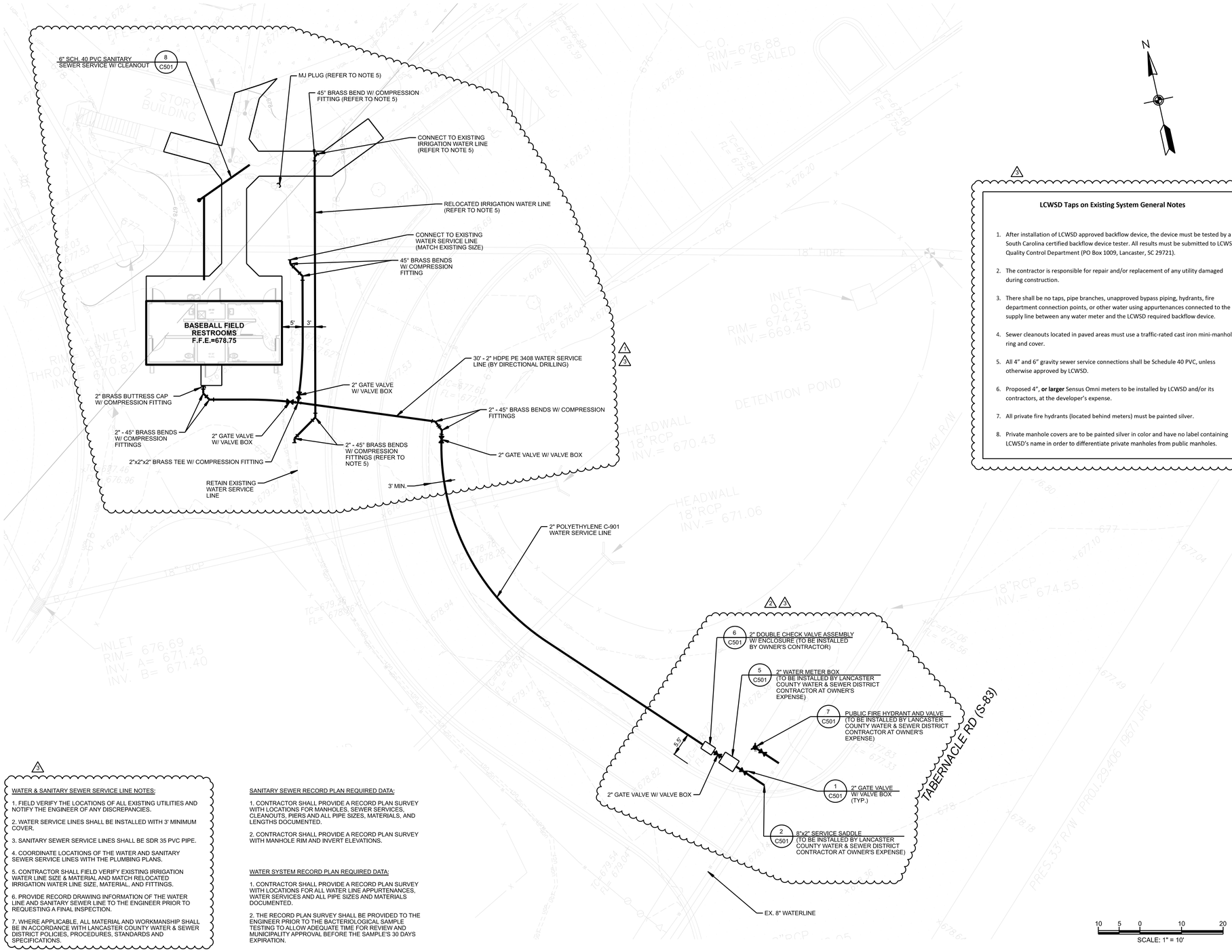
BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

Released For Code Compliance

Date of Construction Document under Specification Act: Date of Construction Document under Specification Act: Date of Construction Document under Specification Act:



LCWSD Taps on Existing System General Notes

1. After installation of LCWSD approved backflow device, the device must be tested by a South Carolina certified backflow device tester. All results must be submitted to LCWSD Quality Control Department (PO Box 1009, Lancaster, SC 29721).
2. The contractor is responsible for repair and/or replacement of any utility damaged during construction.
3. There shall be no taps, pipe branches, unapproved bypass piping, hydrants, fire department connection points, or other water using appurtenances connected to the supply line between any water meter and the LCWSD required backflow device.
4. Sewer cleanouts located in paved areas must use a traffic-rated cast iron mini-manhole ring and cover.
5. All 4" and 6" gravity sewer service connections shall be Schedule 40 PVC, unless otherwise approved by LCWSD.
6. Proposed 4", **or larger** Sensus Omni meters to be installed by LCWSD and/or its contractors, at the developer's expense.
7. All private fire hydrants (located behind meters) must be painted silver.
8. Private manhole covers are to be painted silver in color and have no label containing LCWSD's name in order to differentiate private manholes from public manholes.

WATER & SANITARY SEWER SERVICE LINE NOTES:

1. FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. WATER SERVICE LINES SHALL BE INSTALLED WITH 3' MINIMUM COVER.
3. SANITARY SEWER SERVICE LINES SHALL BE SDR 35 PVC PIPE.
4. COORDINATE LOCATIONS OF THE WATER AND SANITARY SEWER SERVICE LINES WITH THE PLUMBING PLANS.
5. CONTRACTOR SHALL FIELD VERIFY EXISTING IRRIGATION WATER LINE SIZE & MATERIAL AND MATCH RELOCATED IRRIGATION WATER LINE SIZE, MATERIAL, AND FITTINGS.
6. PROVIDE RECORD DRAWING INFORMATION OF THE WATER LINE AND SANITARY SEWER LINE TO THE ENGINEER PRIOR TO REQUESTING A FINAL INSPECTION.
7. WHERE APPLICABLE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH LANCASTER COUNTY WATER & SEWER DISTRICT POLICIES, PROCEDURES, STANDARDS AND SPECIFICATIONS.

SANITARY SEWER RECORD PLAN REQUIRED DATA:

1. CONTRACTOR SHALL PROVIDE A RECORD PLAN SURVEY WITH LOCATIONS FOR MANHOLES, SEWER SERVICES, CLEANOUTS, PIERS AND ALL PIPE SIZES, MATERIALS, AND LENGTHS DOCUMENTED.
2. CONTRACTOR SHALL PROVIDE A RECORD PLAN SURVEY WITH MANHOLE RIM AND INVERT ELEVATIONS.

WATER SYSTEM RECORD PLAN REQUIRED DATA:

1. CONTRACTOR SHALL PROVIDE A RECORD PLAN SURVEY WITH LOCATIONS FOR ALL WATER LINE APPURTENANCES, WATER SERVICES AND ALL PIPE SIZES AND MATERIALS DOCUMENTED.
2. THE RECORD PLAN SURVEY SHALL BE PROVIDED TO THE ENGINEER PRIOR TO THE BACTERIOLOGICAL SAMPLE TESTING TO ALLOW ADEQUATE TIME FOR REVIEW AND MUNICIPALITY APPROVAL BEFORE THE SAMPLE'S 30 DAYS EXPIRATION.

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BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

Reviewed For Code Compliance

Plans or of Construction Documents under Specifications have been reviewed for compliance with the South Carolina Building Code, Residential Code, and Fire Prevention Code. The Building Official or Fire Marshal assumes no responsibility for the accuracy of calculations and compliance with referenced standards of design and construction governing the design of buildings and structures or for the adequacy of the plans or specifications to meet the requirements of the South Carolina Building Code, Residential Code, and Fire Prevention Code. Review and approval of these documents shall not be construed to be a permit for, or an approval of any violation of any provisions of the South Carolina Building Codes, Residential Code, and Fire Prevention Code. Review and approval of these documents shall not prevent the Building Official from requiring corrections to erroneous plans and specifications.

Date: 06-03-2024
Building Official / Fire Marshal
For: Lancaster County, SC

CONSTRUCTION DOCUMENTS

1890 ROCKY RIVER RD
LANCASTER, SC 29720

CALL 811 BEFORE YOU DIG
811
SAFE DIGGING PAYS DIVIDENDS

REVISIONS

NO.	DATE	DESCRIPTION
1	06-03-24	OSF REVIEW COMMENTS
2	06-03-24	LANCASTER COUNTY REVIEW COMMENTS
3	06-03-24	LCWSD REVIEW COMMENTS

WATER SERVICE & SANITARY SEWER SERVICE PLAN

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 12879
MICHAEL T. PRUITT
06-03-2024

SOUTH CAROLINA
CAMPCO ENGINEERING, INC.
No. C00602
CERTIFICATE OF AUTHORIZATION

CE: 9898	ISSUED: 06-03-24
SCALE: 1"=10'	CAD FILE: 9898UTC500

C500

NOTES:

1. DOUBLE CHECK VALVE ASSEMBLY SHALL BE WATTS, FEBCO, OR APPROVED EQUAL AND BE ON THE SCDHEC LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES FOR SOUTH CAROLINA.

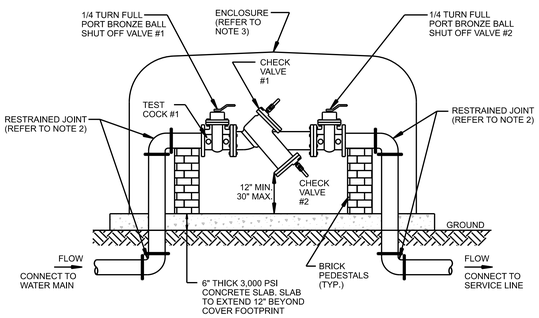
2. ALL PIPING SHALL BE RESTRAINED JOINT DUCTILE IRON WITH MEGA LUG RESTRAINTS, OR APPROVED EQUAL.

3. ENCLOSURE SHALL COMPLY WITH LANCASTER COUNTY WATER & SEWER DISTRICT REQUIREMENTS OR SHALL BE A 20 MIL. ORTHOTHALIC POLYESTER GELCOAT WITH ULTRA-VIOLET INHIBITORS. GELCOAT SHELL IS BACKED WITH ½" CHOP-STRAND POLYRESIN BONDED FIBERGLASS AND LINED WITH POLYURETHANE INSULATION (MIN. R FACTOR 8.5). IF NOT SPECIFIED BY MUNICIPALITY. ENCLOSURE SHALL BE SIZED TO COVER ALL ABOVE GROUND PIPING.

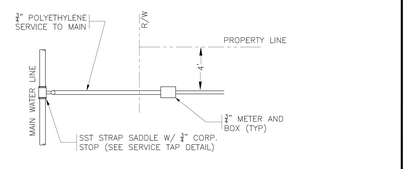
4. DOUBLE CHECK VALVE ASSEMBLY INCLUDES SHUT OFF VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE PERMITTED.

5. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE ASSEMBLY.

6. ABOVE GROUND INSTALLATIONS MUST BE LOCATED BEYOND PROPERTY LINE OR ROAD R/W.



6 / C501 NTS — 3/4" - 2" DOUBLE CHECK VALVE ASSEMBLY WITH ENCLOSURE

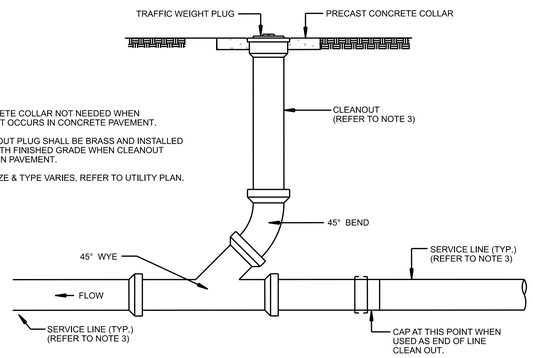


TYPICAL SINGLE SERVICE CONNECTION
N.T.S.

NOTE:
1. INSTALL 12 GAUGE STRANDED TRACER WIRE INSIDE METER BOX.
2. USE NYLON OR EPOXY COATED SADDLE.

LANCASTER COUNTY WATER & SEWER DISTRICT	
DRAWING TITLE	TYPICAL SERVICE CONNECTION
DIVISION	WATER
DATE 06/2023	SCALE N.T.S.
DRAWN BY SERCON	SHEET W5

3 / C501 NTS — SERVICE CONNECTION



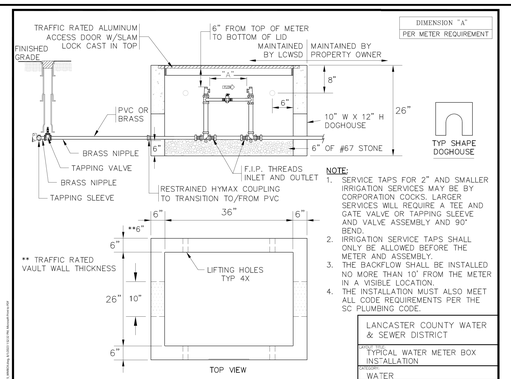
NOTES:

1. CONCRETE COLLAR NOT NEEDED WHEN CLEANOUT OCCURS IN CONCRETE PAVEMENT.

2. CLEANOUT PLUG SHALL BE BRASS AND INSTALLED FLUSH WITH FINISHED GRADE WHEN CLEANOUT OCCURS IN PAVEMENT.

3. PIPE SIZE & TYPE VARIES, REFER TO UTILITY PLAN.

8 / C501 NTS — SANITARY SEWER CLEANOUT

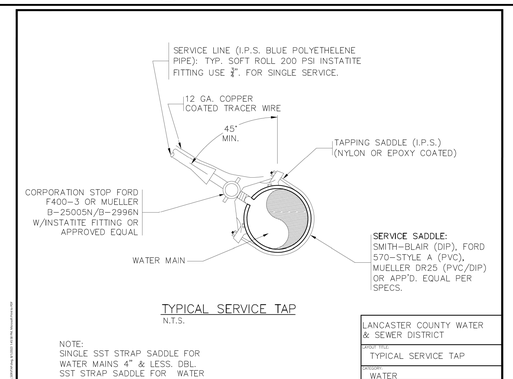


NOTE:
1. SERVICE TAPS FOR 2" AND SMALLER IRRIGATION SERVICES MAY BE BY CORPORATION COCKS. LARGER SERVICES WILL REQUIRE A TEE AND GATE VALVE OR TAPPING SLEEVE AND VALVE ASSEMBLY AND 90° BEND.
2. IRRIGATION SERVICE TAPS SHALL ONLY BE ALLOWED BEFORE THE METER AND ASSEMBLY.
3. THE BACKFLOW SHALL BE INSTALLED NO MORE THAN 10' FROM THE METER IN A VISIBLE LOCATION.
4. THE INSTALLATION MUST ALSO MEET ALL CODE REQUIREMENTS PER THE SC PLUMBING CODE.

TYPICAL WATER METER BOX INSTALLATION
N.T.S.

LANCASTER COUNTY WATER & SEWER DISTRICT	
DRAWING TITLE	TYPICAL WATER METER BOX INSTALLATION
DIVISION	WATER
DATE 06/2023	SCALE N.T.S.
DRAWN BY WMBOX	SHEET W15

5 / C501 NTS — WATER METER BOX

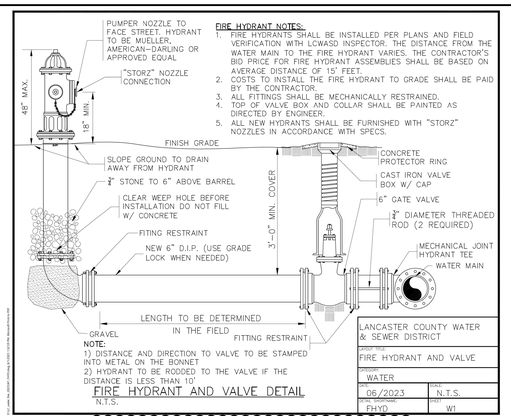


TYPICAL SERVICE TAP
N.T.S.

NOTE:
SINGLE SST STRAP SADDLE FOR WATER MAINS 4" & LESS. DBL. SST STRAP SADDLE FOR WATER MAINS LARGER THAN 4".

LANCASTER COUNTY WATER & SEWER DISTRICT	
DRAWING TITLE	TYPICAL SERVICE TAP
DIVISION	WATER
DATE 06/2023	SCALE N.T.S.
DRAWN BY SERVTAP	SHEET W4

2 / C501 NTS — SERVICE TAP



FIRE HYDRANT NOTES:
1. FIRE HYDRANTS SHALL BE INSTALLED PER PLANS AND FIELD VERIFICATION WITH LCWSD INSPECTOR. THE DISTANCE FROM THE WATER MAIN TO THE FIRE HYDRANT VARIES. THE CONTRACTOR'S BID PRICE FOR FIRE HYDRANT ASSEMBLIES SHALL BE BASED ON AVERAGE DISTANCE OF 15' FEET.
2. COSTS TO INSTALL THE FIRE HYDRANT TO GRADE SHALL BE PAID BY THE CONTRACTOR.
3. ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED.
4. TOP OF VALVE BOX AND COLLAR SHALL BE PAINTED AS DIRECTED BY ENGINEER.
5. ALL NEW HYDRANTS SHALL BE FURNISHED WITH "STORZ" NOZZLES IN ACCORDANCE WITH SPECS.

NOTE:
1) DISTANCE AND DIRECTION TO VALVE TO BE STAMPED INTO METAL ON THE BONNET
2) HYDRANT TO BE RODDED TO THE VALVE IF THE DISTANCE IS LESS THAN 10'

FIRE HYDRANT AND VALVE DETAIL
N.T.S.

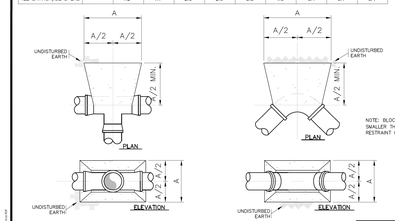
LANCASTER COUNTY WATER & SEWER DISTRICT	
DRAWING TITLE	FIRE HYDRANT AND VALVE
DIVISION	WATER
DATE 06/2023	SCALE N.T.S.
DRAWN BY FHYD	SHEET W1

7 / C501 NTS — FIRE HYDRANT AND VALVE ⚠1

DIMENSION A (FEET)

BEND / FITTING	PIPE SIZE (NOM. DIA. IN INCHES)									
	2.5	4	6	8	10	12	16	18	20	30
90° BEND	–	1.4	2.0	2.8	3.4	4.0	5.4	6.0	6.7	10
45° BEND	–	1.0	1.7	2.0	2.5	3.0	4.0	4.5	5.0	7.4
22 1/2° BEND	–	0.8	1.7	1.5	1.8	2.2	2.9	3.3	3.6	5.3
11 1/4° BEND	–	0.5	1	1.0	1.3	1.7	2.0	2.3	2.5	3.7
TEE BRANCH/DEAD END	–	1.2	1.7	2.6	2.9	3.5	4.6	5.1	5.7	8.4

DESIGN PARAMETERS:
1. BASED ON TEST PRESSURE OF 200 PSI
2. SOIL ASSUMED TO BE 2000 PSF CLAY/GRAVEL



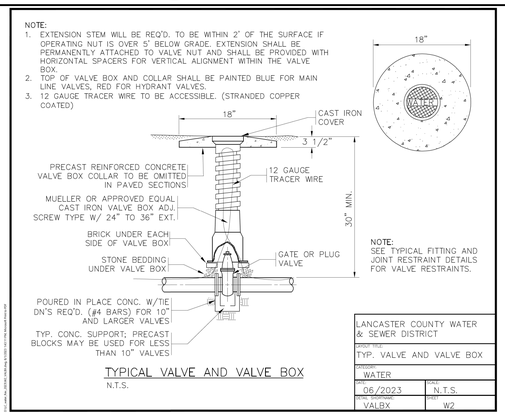
NOTES:
1. THRUST BLOCKS SHALL BE CONSTRUCTED OF 3000 P.S.I. CONCRETE
2. INSTALL PLASTIC SHEATHING AROUND BEND OR FITTING TO PREVENT BONDING OF CONCRETE TO FITTINGS OR BOLTS.
3. CONTRACTOR TO SUBMIT CALCULATIONS FOR DIFFERING CONDITIONS FROM STANDARD DESIGN PARAMETERS.

CONCRETE THRUST BLOCK DETAIL FOR WATER MAIN HORIZONTAL BENDS AND TEES
N.T.S.

LANCASTER COUNTY WATER & SEWER DISTRICT	
DRAWING TITLE	CONC. THRUST BLOCK DETAIL
DIVISION	WATER
DATE 05/2023	SCALE N.T.S.
DRAWN BY TBTAF	SHEET W12

4 / C501 NTS — THRUST BLOCK

NOTE:
1. EXTENSION STEM WILL BE REQ'D. TO BE WITHIN 2' OF THE SURFACE IF OPERATING NUT IS OVER 5' BELOW GRADE. EXTENSION SHALL BE PERMANENTLY ATTACHED TO VALVE NUT AND SHALL BE PROVIDED WITH HORIZONTAL SPACERS FOR VERTICAL ALIGNMENT WITHIN THE VALVE BOX.
2. TOP OF VALVE BOX AND COLLAR SHALL BE PAINTED BLUE FOR MAIN LINE VALVES, RED FOR HYDRANT VALVES.
3. 12 GAUGE TRACER WIRE TO BE ACCESSIBLE. (STRANDED COPPER COATED)



NOTE:
SEE TYPICAL FITTING AND JOINT RESTRAINT DETAILS FOR VALVE RESTRAINTS.

TYPICAL VALVE AND VALVE BOX
N.T.S.

LANCASTER COUNTY WATER & SEWER DISTRICT	
DRAWING TITLE	TYP. VALVE AND VALVE BOX
DIVISION	WATER
DATE 06/2023	SCALE N.T.S.
DRAWN BY VALBX	SHEET W2

1 / C501 NTS — VALVE AND VALVE BOX

Campco Engineering, Inc.
Consulting Engineers since 1974

156 OAKLAND AVENUE, ROCK HILL, SC 29730
(803) 327-7121 WWW.CAMPCOENGINEERING.COM

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2. MATERIALS, DIMENSIONS, AND ALL OTHER CONDITIONS WHICH ARE NOT OTHERWISE DEFINED ON THIS DRAWING SHALL BE CONSTRUED AS HAVING THE SAME MEANING AS SIMILARLY INDICATED CONDITIONS WHICH ARE MORE FULLY DEFINED ELSEWHERE ON THIS PROJECT OR OTHER DRAWINGS ON THIS PROJECT.

BUFORD HIGH SCHOOL BASEBALL FIELD RESTROOMS

Released For Code Compliance
These set of Construction Documents and/or Specifications that have been submitted to Campco Engineering, Inc. for review and approval meet the minimum quality and quantity standards of Campco Engineering, Inc. and conform to the requirements of the International Building Code and other applicable codes in effect at the time of permit application as interpreted by Campco Engineering, Inc. and adopted by the jurisdiction in which the project is to be constructed. Review and approval of these documents and specifications does not authorize the violation of any law or regulation of the jurisdiction in which the project is to be constructed. Campco Engineering, Inc. assumes no responsibility for the health and safety of persons and property during construction and/or installation.
Campco Engineering, Inc. Certificate of Authorization No. 2005-027 for the practice of Engineering in accordance with the rules and regulations of the S.C. State Board of Architectural and Professional Engineers and Land Surveyors.
Date: 06-03-2024

CONSTRUCTION DOCUMENTS

1890 ROCKY RIVER RD
LANCASTER, SC 29720

CALL 811 BEFORE YOU DIG — SAFE DIGGING PARTNER

REVISIONS

NO.	DATE	DESCRIPTION
1	06-03-24	LANCASTER COUNTY REVIEW COMMENTS

WATER & SEWER DETAILS

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 12879 MICHAEL T. PRICE 06-03-2024

SOUTH CAROLINA CAMPCO ENGINEERING, INC. No. C00602 CERTIFICATE OF AUTHORIZATION

CE: 9898	ISSUED: 06-03-24
SCALE: NA	CAD FILE: 9898DTC501

C501

STRUCTURAL NOTES

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAGE SIZE

GENERAL

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, SHOP DRAWINGS AND SPECIFICATIONS.
2. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT TO ALL SUBCONTRACTORS AND SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS.
3. THE GENERAL CONTRACTOR SHALL COMPARE ALL CONTRACT DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN DISCIPLINES AND WITHIN A GIVEN DISCIPLINE TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND ERECTION.
4. IF A CONFLICT EXISTS AMONG THE STRUCTURAL DRAWINGS, GENERAL NOTES, OR THE SPECIFICATIONS, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.
5. THE CONTRACTOR SHALL COORDINATE ALL ELEVATIONS AND DIMENSIONS, INCLUDING BUT NOT LIMITED TO THOSE FOR OPENINGS IN WALLS AND IN ROOF AND FLOOR SYSTEMS, WITH THE ARCHITECTURAL, PLUMBING, ELECTRICAL, AND MECHANICAL PLANS.
6. ALL DIMENSIONS, ELEVATIONS, AND ANY OTHER CONDITIONS OF ANY EXISTING STRUCTURES OR OTHER FEATURES SHALL BE VERIFIED BY THE GENERAL CONTRACTOR AND ANY DISCREPANCIES WITH THE CONTRACT DRAWINGS REPORTED TO THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. DURING THE CONSTRUCTION PROCESS, IT SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE AND TO PROTECT FROM DAMAGE ANY PORTIONS THAT ARE TO REMAIN.
7. THE COMPLETED LATERAL-FORCE RESISTING SYSTEMS AND DIAPHRAGMS ARE REQUIRED FOR THE STRUCTURE TO RESIST LATERAL LOADS AND PROVIDE STABILITY UNDER GRAVITY LOADS. DURING THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS UNTIL THE LATERAL-LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS AND FOR SAFETY PRECAUTIONS AND PROGRAMS.
9. CRANSTON ENGINEERING SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSION OF THE CONTRACTOR OR FOR THEIR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
10. PERIODIC SITE OBSERVATION BY CRANSTON ENGINEERING (IF PROVIDED) IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS AND IS NOT EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK.

DESIGN CRITERIA

A. THE CONTRACT DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE

a. CODES
- 2021 INTERNATIONAL BUILDING CODE
- 2016 ASCE 7 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

b. DEAD LOADS
- SELF WEIGHT OF EQUIPMENT AND MATERIALS

c. LIVE LOADS

• TYPICAL FLOOR:	100 PSF
TYPICAL ROOF:	20 PSF

d. SNOW LOAD

• GROUND SNOW LOAD, P_G	10 PSF

DESIGN WIND LOADS:

BASIC WIND SPEED, V_{ult}/V_{asd}	114 / 88 MPH (3-SEC GUST)
RISK CATEGORY	II
EXPOSURE	B
INTERNAL PRESSURE COEFF, GC_{Pi}	+/- 0.18

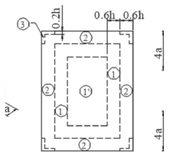
COMPONENTS & CLADDING WIND PRESSURES
ROOF PRESSURES ARE BASED ON A 10SF AREA
WALL PRESSURES ARE BAED ON A H*H/3 AREA
a = 3' -0"
h = 15'

ROOF PRESSURES, PSF

ZONE	PRESSURES
1	-37.2, +16.0
1'	-21.4, +16.0
2	-49.1, +16.0
3	-87.0, +16.0

WALL PRESSURES

ZONE	PRESSURES, PSF
4	-23.2, +21.4
5	-28.5, +21.4



Gable, Sawtooth and
Multispan Gable θ ≤ 7 degrees &
Monoslope ≤ 3 degrees
h ≤ 60' & alt design h<90'

B. SEISMIC LOADS:

a.	SHORT PERIOD SPECTRAL RESPONSE ACCELERATION, S_S	0.250
b.	1-SEC PERIOD SPECTRAL RESPONSE ACCELERATION, S_1	0.093
c.	SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION, S_{DS}	0.266
d.	1-SEC PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION, S_{D1}	0.149
e.	RISK CATEGORY	II
f.	SEISMIC DESIGN CATEGORY	C
g.	SITE CLASS	D (ASSUMED)
h.	BASIC SEISMIC-FORCE RESISTING SYSTEM:	ORDINARY REINFORCED MASONRY SHEAR WALLS
i.	RESPONSE MODIFICATION FACTOR, R	2.0
j.	DEFLECTION AMPLIFICATION FACTOR, C_D	2.0
k.	SEISMIC IMPORTANCE FACTOR, I_E	1.0
l.	SEISMIC RESPONSE COEFFICIENT, C_S	0.133
m.	ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE ANALYSIS
n.	DESIGN BASE SHEAR, V	4.13K

C. ROOF RAIN LOAD

a.	RAIN INTENSITY, i	6.48 IN./HR (15 MIN) 3.42 IN./HR (60 MIN)

FOUNDATIONS

A. NO GEOTECHNICAL REPORT WAS PROVIDED FOR THIS BUILDING. FOR PURPOSES OF THE FOUNDATION DESIGN DESIGN, NON-EXPANSIVE, NON-LIQUIFIABLE AND WELL COMPACTED SOILS CAPABLE OF SUPPORTING THE ASSUMED BEARING PRESSURES FROM A SHALLOW FOUNDATION WAS ASSUMED. THE OWNER SHALL BE RESPONSIBLE FOR VERIFYING THE BEARING CAPACITY AND ADEQUACY OF THE SOILSALL FOUNDATIONS, INCLUDING BACKFILL OF UTILITY TRENCHES AND THE VERIFICATION OF BEARING CAPACITY OF SAME SHALL BE UNDER THE DIRECTION OF A QUALIFIED SOILS ENGINEER. PROXIMITY OF UTILITY TRENCHES TO BUILDING FOUNDATION SYSTEM SHALL BE AS APPROVED BY THE SOILS ENGINEER TO ENSURE INTEGRITY OF THE BEARING SOILS.
B. ALL FOOTINGS SHALL BEAR ON UNDISTURBED EARTH OR ENGINEERED FILL AT ELEVATIONS SHOWN ON PLANS AND DETAILS. GC TO COORDINATE FINAL TOP OF FOOTING ELEVATIONS WITH THE ARCHITECTURAL ELEVATIONS, MEP DRAWINGS AND CIVIL GRADING PLANS PRIOR TO PLACEMENT. FOOTING STEPS DENOTED ON PLAN ARE APPROXIMATE, UNLESS NOTED OTHERWISE, AND SHALL BE FIELD COORDINATED.
C. FLOOR SLABS SHALL BEAR ON COMPACTED CONTROL FILL OR IN-SITU SOILS PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT (IF ONE EXISTS). THE MOISTURE RETARDER SHALL BE PLACED BENEATH THE SLAB IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS.
D. NO FOUNDATION CONCRETE SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ALL CONFLICTS THAT EXIST BETWEEN FOOTINGS AND UTILITIES.
E. ALL FOUNDATIONS OR PORTIONS THEREOF BELOW GRADE MAY BE EARTH FORMED BY NEAT EXCAVATIONS.
F. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL BE CENTERED ON WALLS AND/OR COLUMNS.
G. THE CONTRACTOR SHALL DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATION. THE CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL ENGINEER (IF ONE EXISTS FOR THE PROJECT) FOR REVIEW THE PROPOSED PLAN FOR CONSTRUCTION DEWATERING PRIOR TO EXCAVATION.
H. FOOTINGS SHALL NOT BE PLACED ON FROZEN SUBGRADE OR IN STANDING WATER.
I. FOUNDATION TYPE
a. CONTINUOUS FOOTING:

• SOIL UNIT WEIGHT, PCF	110 PCF
• ALLOWABLE PRESSURE:	1500 PSF NET PRESSURE (ASSUMED)

CONCRETE

A. CONCRETE SHALL CONFORM TO THE CONCRETE PROPERTIES SPECIFIED IN THE CONCRETE PROPERTIES TABLE.
B. ALL CONCRETE SHALL HAVE ALLOWABLE UNIT SHRINKAGE OF 0.045% AT 28 DAYS. (SEE ASTM C157)
C. ALL SLABS TO RECEIVE MOISTURE SENSITIVE FLOOR COVERINGS SHALL HAVE MAXIMUM WATER/ CEMENT RATIO OF 0.45.
D. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".
E. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR II.
F. ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C 33. ALL AGGREGATE FOR LIGHT WEIGHT CONCRETE SHALL MEET ASTM C 330.
G. ALL REINFORCEMENT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
a. ALL REINFORCING, UNO:ASTM A615 GRADE 60
b. DEFORMED BAR ANCHORS (DBA):ASTM A496 (75 KSI)
c. EPOXY-COATED REINFORCING:ASTM A775
d. GALVANIZED REINFORCING:ASTM A767 CLASS II (2.0 OZ. ZINC PSF)
e. WELDED REINFORCING:ASTM A706
f. WELDED WIRE REINFORCEMENT (WWR):
- SMOOTH WIRE: ASTM A 185 (65 KSI)
- DEFORMED WIRE:ASTM A 497 (70 KSI)
- POLYPROPYLENE FIBRILLATED FIBER MAY BE USED TO SUBSTITUTE WWR IN SLABS ON GRADE, WHEN ADDED TO CONCRETE MIX ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDED DOSAGES.
- A STEEL AND POLYPROPYLENE FIBER BLEND MAY BE USED TO SUBSTITUTE WWR IN SLABS ON COMPOSITE DECK, WHEN ADDED TO CONCRETE MIX IN ACCORDANCE TO THE STEEL DECK INSTITUTE DESIGN MANUAL. PUBLICATION NUMBER 30-ANSI/SDI-C 10 SPECIFICATION FOR COMPOSITE STEEL FLOOR DECK, SECTION 5.5 (STEEL FIBERS SHALL PROVIDE 80 PSI OF RESIDUAL STRENGTH WHEN TESTED IN ACCORDANCE WITH ASTM C 1399).

H. H.REINFORCEMENT DETAILING:
a. REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315.
b. DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS OTHERWISE INDICATED AND SHALL BE AS TABULATED IN THE SPLICE LENGTH TABLE UNLESS OTHERWISE INDICATED.
c. LAP WWR ONE CROSSWIRE SPACING PLUS 2".
d. 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 OF INTERSECTING FOOTING.
e. REINFORCEMENT SHALL BE SECURELY PLACED TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. PROVIDE THE FOLLOWING CONCRETE COVER FOR REINFORCING UNLESS SPECIFICALLY NOTED OTHERWISE:
- CAST AGAINST EARTH3"
- EXPOSED TO EARTH/WEATHER: #6 THRU #182"
- EXPOSED TO EARTH/WEATHER:#5 & SMALLER1 1/2"
- SLABS, WALLS, JOISTS:#14 & #18 1 1/2"
- SLABS, WALLS, JOISTS:#11 & SMALLER3/4"
- BEAMS, COLUMNS1 1/2"

I. PROVIDE DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED FOR ALL STRUCTURAL ELEMENTS, UNLESS NOTED OTHERWISE.
J. FOUNDATION WALLS, GRADE BEAMS AND FOOTINGS SHALL BE CAST IN ALTERNATE PANELS NOT TO EXCEED 60'-0" IN LENGTH. SHEAR KEYS SHALL BE PROVIDED AT EACH CONSTRUCTION JOINT AND SHALL BE LOCATED AT 1/3 POINTS OF SPANS.
K. CONCRETE WALLS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE AND OTHER FORCES UNTIL FLOOR SLABS ARE IN PLACE AND HAVE ATTAINED REQUIRED STRENGTHS.
L. K.HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS SHALL NOT BE USED UNLESS SHOWN ON THE DRAWINGS. THE ARCHITECT/ENGINEER SHALL APPROVE ALL DEVIATIONS OR ADDITIONAL JOINTS IN WRITING.
M. SLABS AND BEAMS OR JOISTS SHALL BE CAST MONOLITHICALLY UNLESS NOTED OTHERWISE.
N. CHAMFER ALL PERMANENTLY EXPOSED CONCRETE EDGES 3/4 INCH. UNLESS NOTED OTHERWISE.
O. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE WALLS AND SUPPORTED FLOORS. SPREAD REINFORCEMENT AT OPENINGS AND SLEEVES UNLESS OTHERWISE SHOWN. DO NOT CUT REINFORCEMENT. SEE TYPICAL REINFORCEMENT DETAILS FOR OPENINGS IN SLABS AND WALLS FOR ADDITIONAL REQUIREMENTS.
P. NO HOLES OR OPENINGS THROUGH FOUNDATION WALLS AND/OR FOOTINGS WITHOUT ENGINEER'S APPROVAL.
Q. ALUMINUM SHALL NOT BE EMBEDDED IN ANY CONCRETE.

CONCRETE PROPERTIES

USAGE	STRENGTH (PSI)	TYPE	COMMENTS	DURABILITY CLASSIFICATION
ALL CONCRETE NOT OTHERWISE SPECIFIED	4000	NWT		F0, S0, P0, C1
FOOTINGS	3000	NWT		F0, S0, P0, C1
SLAB ON GRADE INTERIOR	4000	NWT		F0, S0, P0, C0

MASONRY:

A. 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 STRUCTURES, ACI 530.1 / ASTM 6 / TMS 602.
B. HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL BE LIGHTWEIGHT WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON THE NET AREA (F'M = 1500 PSI) AND SHALL CONFORM TO ASTM C90.
C. ALL MORTAR FOR USE IN MASONRY SHALL CONFORM TO ASTM C270, PORTLAND CEMENT/LIME OR MORTAR CEMENT TYPE M OR S.
D. ALL GROUT FOR USE IN MASONRY SHALL CONFORM TO ASTM C476 WITH A MININUM COMPRESSIVE STRENGTH OF 3000 PSI AND A PERMISSIBLE SLUMP RANGE OF 8" - 11".
E. REINFORCING BARS IN MASONRY WALLS AND PIERS SHALL CONFORM TO ASTM A615, GRADE 60.
F. BOND BEAM BLOCKS SHALL BE OPEN BOTTOM LINTELS UNLESS NOTED OTHERWISE. PROVIDE METAL LATH IN JOINTS BELOW BOTTOM OF BOND BEAM OVER THOSE CELLS THAT ARE NOT GROUT FILLED.
G. VERTICAL AND HORIZONTAL REINFORCING SHALL BE CONTINUOUS AND LAPPED A MINIMUM OF 72 BAR DIAMETERS.
H. HOLD VERTICAL BARS STRAIGHT AND TRUE AND ACCURATELY LOCATED IN WALL AS DETAILED. INSTALL REBAR POSITIONERS @ 4'-0"OC MAXIMUM THAT ARE DESIGNED TO HOLD REBAR IN PROPER LOCATION WITHIN THE GROUTED CELL.
I. PROVIDE A MINIMUM OF 1/2" GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
J. PROVIDE #9 LADDER OR TRUSS TYPE JOINT REINFORCEMENT @ 16" OC FOR TYPICAL HORIZONTAL REINFORCING.
K. ALL REINFORCED MASONRY COLUMN AND WALL SECTIONS REQUIRE DOWELS FROM FOOTING, SAME SIZE AND QUANTITY AS VERTICAL REINFORCEMENT IN COLUMN OR WALL.
L. GROUT FILL ALL CELLS AND ALL WALLS BELOW GRADE. SLUSH JOINT BETWEEN WYTHES.
M. GROUT FILL ALL CELLS THAT CONTAIN REINFORCING.
N. LOW-LIFT GROUTING PROCEDURES SHALL BE USED FOR ALL FILLED-CELL MASONRY CONSTRUCTION.
O. IF HIGH-LIFT GROUTING PROCEDURES ARE FOLLOWED, PROVIDE CLEANOUTS AT EACH LOCATION.
a. GROUT POURS SHALL NOT EXCEED 5 FEET PER LIFT, UNLESS CLEANOUTS ARE PROVIDED IN THE BOTTOM COURSE OF EACH 5 FOOT LIFT.
b. MECHANICALLY VIBRATE ALL LIFTS IN EXCESS OF 1 FOOT.
c. SHALL NOT BE STOPPED WITHIN 1-1/2" OF BED JOINT.
d. TOTAL GROUT POUR SHALL NOT EXCEED 24 FEET WHEN GROUTING THE CELLS OF HOLLOW MASONRY.
e. ALL CMU TO BE LAID IN RUNNING BOND PATTERN.
P. SHORE ALL MASONRY LINTELS UNTIL MASONRY AND GROUT HAVE BEEN ALLOWED TO SET FOR A MINIMUM OF 7 DAYS.
Q. 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.
a. THE TOP OF EACH GROUT POUR SHALL BE 1" BELOW THE BED JOINT.
b. REINFORCEMENT, REBAR POSITIONS, AND TIES SHALL BE PLACED PRIOR TO GROUTING.
c. 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 SHALL BE LOCATED ON WALL FACE NOT EXPOSED TO VIEW.

DIMENSIONAL LUMBER FRAMING

1. LOCATION, NUMBER, AND DIMENSIONS OF FRAMING MEMBERS SHOW GENERAL ARRANGEMENT ONLY. ACTUAL SPANS, SPACINGS, ETC. SHALL BE DETERMINED FROM ARCHITECTURAL DETAILS.
2. SEE ARCHITECTURAL PLANS AND DETAILS FOR EDGE SECTIONS, HEADER AND LINTEL LOCATIONS, AND ALL NON-STRUCTURAL FRAMING AND TRIM.
3. 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 REQUIRED STRESS VALUES".
4. 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 IN BETWEEN.
5. ALL LUMBER EXPOSED TO EXTERIOR ENVIRONMENT OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED TO A MINIMUM RETENTION OF 0.25 lbs. OF ACQ PER CUBIC FOOT OF WOOD, AND EACH PIECE SHALL BEAR THE THIRD PARTY QUALITY MARK, "***ABOVE GRADE USE***". ALL LUMBER IN CONTACT WITH THE GROUND 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 ASTM D1760 FOR PRESSURE TREATMENT OF TIMBER PRODUCTS.
6. 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 2% METALLIC COPPER IN SOLUTION (PER AWPS STD. M4).
7. 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 FACE DIMENSION. THE LENGTH OF SPLIT ON THE WIDE FACE OF 3" (NOMINAL) AND THICKER LUMBER SHALL BE LIMITED TO ⅓ OF THE NARROW FACE DIMENSIONS.
8. 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.
9. PROVIDE NAILING PATTERN IN COMPLIANCE WITH IBC RECOMMENDED FASTENING SCHEDULE.
10. NO CUTS, HOLES, OR COPES IN STRUCTURAL WOOD FRAMING SHALL BE PERMITTED WITHOUT PRIOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER AND ARCHITECT.
11. PROVIDE FULL-DEPTH BLOCKING AT ENDS OF RAFTERS AND JOISTS. PROVIDE FULL-DEPTH (OR METAL) BRIDGING AT MIDSPAN AND AT A MAXIMUM SPACING OF 8'-0" O.C. IN BETWEEN.
12. 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.
13. HOLES AND NOTCHES DRILLED OR CUT INTO WOOD FRAMING SHALL NOT EXCEED THE REQUIREMENTS OF IBC, SECTION 23.
14. ALL PLATES, ANCHORS, NAILS, BOLTS, NUTS, WASHERS, AND OTHER MISCELLANEOUS HARDWARE SHALL BE HOT DIP GALVANIZED.
15. ADEQUATE BRACING SHALL BE PROVIDED UNTIL PERMANENT BRACING AND/OR DIAPHRAGMS ARE INSTALLED.
16. OVERLAP ALL TOP PLATES AT CORNERS.
17. JOINTS IN THE DOUBLE TOP PLATES OF WALLS SHALL BE OFFSET A MINIMUM LAP LENGTH OF 4'-0" & NAILED WITH NOT LESS THAN (15) 16d FACE NAILS ON EACH SIDE OF THE JOINT.
18. PROVIDE DOUBLE JOISTS OR SOLID BLOCKING AT 24" O.C. UNDER ALL PARTITIONS AND TO SUPPORT CONCENTRATED LOADS FROM FRAMING ABOVE, UNLESS NOTED OTHERWISE.
19. PROVIDE DOUBLE HEADER BEAMS OF THE SAME SIZE AS JOISTS OR RAFTERS TO FRAME AROUND OPENINGS IN PLYWOOD DECK UNLESS OTHERWISE INDICATED.
20. WOOD FRAMING MATERIALS:
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 PRODUCTS ASSOCIATION DATED JUNE 1, 2013.
B. SHEATHING:
WALLS.....APA RATED SHEATHING, EXPOSURE 1 OR EXTERIOR
ROOF.....APA RATED SHEATHING, EXPOSURE1, 2, OR EXTERIOR
FLOOR.....APA RATED STURD-I-FLOOR
C. ALL BOLTS SHALL BE ASTM A307 WITH WASHERS, GALVANIZED
D. NAILS IN ACCORDANCE WITH MINIMUM NAILING REQUIREMENTS OF IBC EXCEPT WHERE NOTED IN DETAILS OR SPECIFICATIONS. ALL NAILS TO BE GALVANIZED.

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CRANSTON

SOUTH CAROLINA CRANSTON ENGINEERING GROUP, P.C. NO. C00575 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 38682 JONATHAN ERIK PINTO
3/15/2024

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Reviewed For Code Compliance

This set of Construction Documents which constitutes the work to be performed under this permit has been reviewed for compliance with the South Carolina Residential Code, the International Residential Code, the International Building Code, the International Fire Code, the International Mechanical Code, the International Fuel Gas Code, the International Plumbing Code, the International Energy Conservation Code, the National Electrical Code, and the Accessibility Standards as adopted by the State Board of Education, State Board of Health, and State Fire Marshal.

Contract Plans and Specifications are on file at the Inspection Office.

Plan Review by _____ Date: 3/15/2024
"For Residential Code Compliance Only - Not a Building Permit"

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2023-0366

Δ	DATE	DESCRIPTION

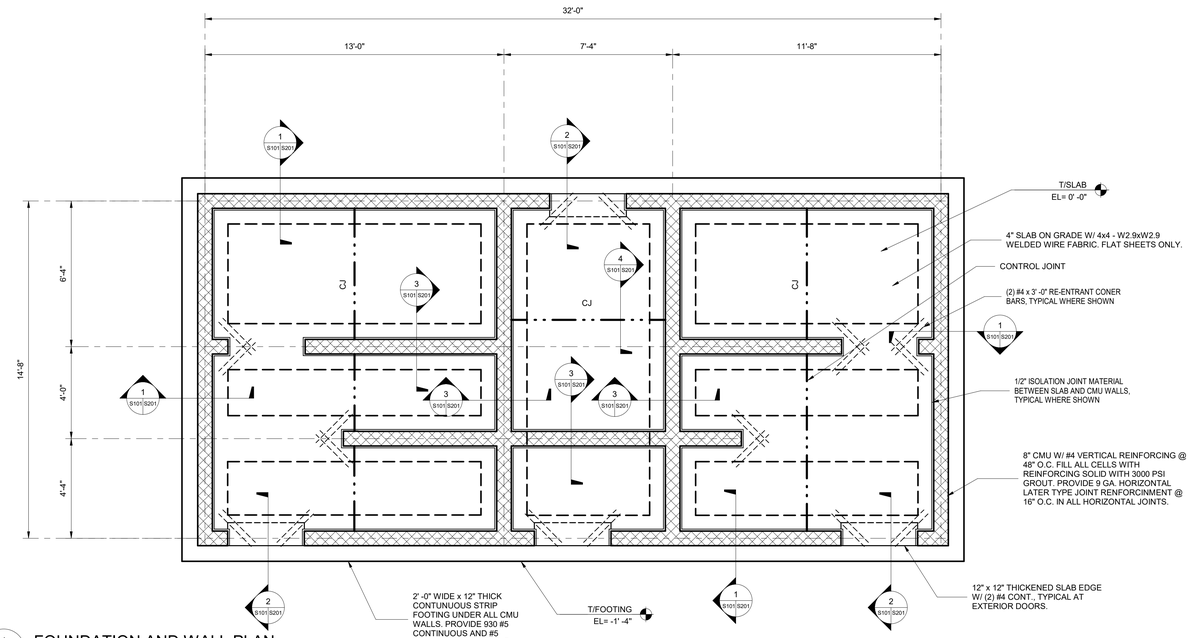
SHEET NAME:
GENERAL NOTES

ORIG SUBMISSION: 3/15/2024

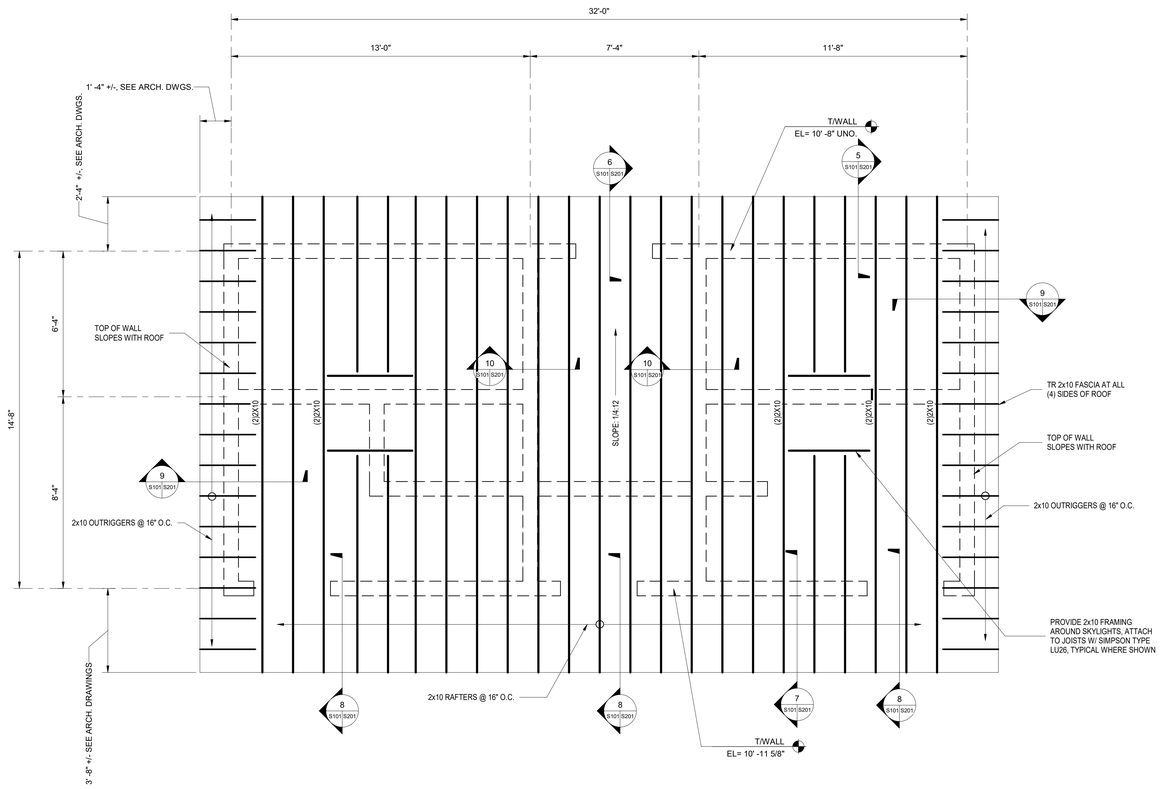
SHEET:
S001

CONSTRUCTION DOCUMENTS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



1 S101 FOUNDATION AND WALL PLAN
SCALE: 3/8" = 1'-0"



2 S101 ROOF FRAMING PLAN
SCALE: 3/8" = 1'-0"

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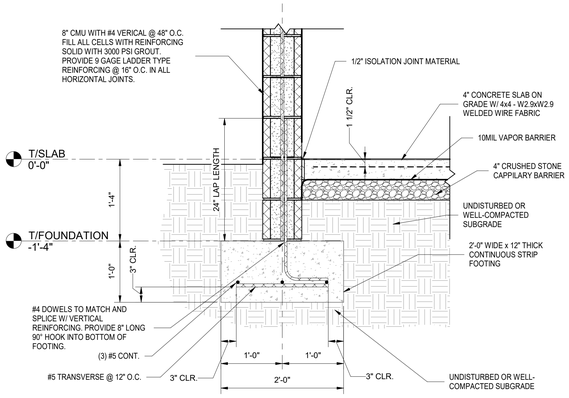
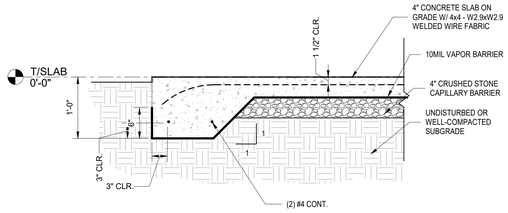
Reviewed For Code Compliance

Plans as of Construction Document stage, hereinafter NOT NOW INCLUDED, have been reviewed for compliance with the 2018 International Building Code, the 2018 International Fire Code, the 2018 International Mechanical Code, the 2018 International Fuel Gas Code, the 2018 International Energy Conservation Code, the 2018 International Plumbing Code, the 2018 Uniform Accessibility Standards, the 2018 Uniform Plumbing Code, the 2018 Uniform Mechanical Code, the 2018 Uniform Fire Code, the 2018 Uniform Building Code, the 2018 Uniform Residential Building Code, the 2018 Uniform Residential Code, the 2018 Uniform Residential Mechanical Code, the 2018 Uniform Residential Plumbing Code, the 2018 Uniform Residential Fuel Gas Code, the 2018 Uniform Residential Energy Conservation Code, the 2018 Uniform Residential Accessibility Standards, the 2018 Uniform Residential Fire

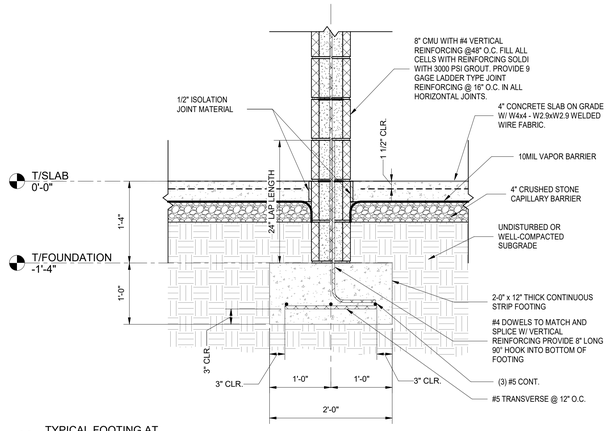
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PLAN SHEETS



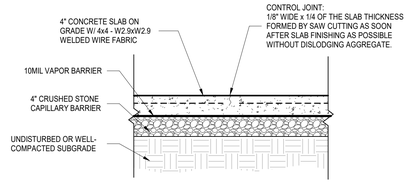
1 S101/S201 TYPICAL FOOTING AT EXTERIOR WALL
1" = 1'-0"



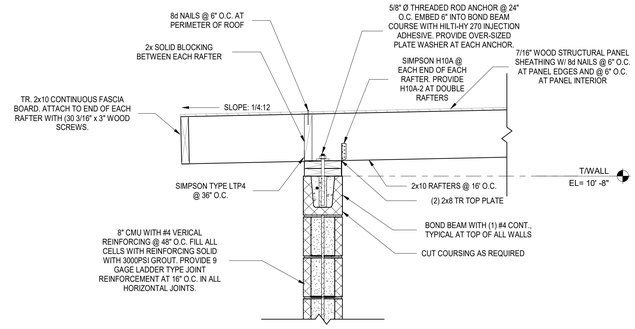
2 S101/S201 TYPICAL THICKED SLAB AT DOORS
1" = 1'-0"



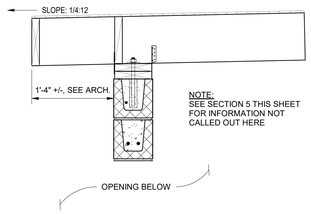
3 S101/S201 TYPICAL FOOTING AT INTERIOR WALLS
1" = 1'-0"



4 S101/S201 TYPICAL CONTROL JOINT DETAIL
1" = 1'-0"

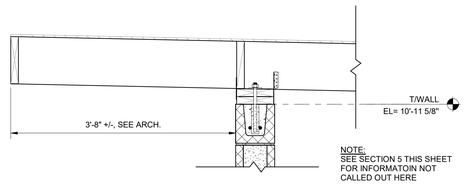


5 S101/S201 ROOF FRAMING DETAIL 1
1" = 1'-0"



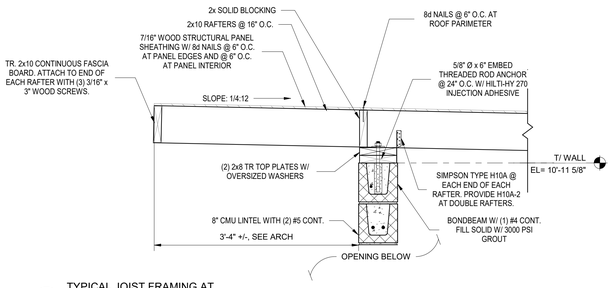
NOTE:
SEE SECTION 5 THIS SHEET FOR INFORMATION NOT CALLED OUT HERE

6 S201 Section 2
SCALE: 1" = 1'-0"

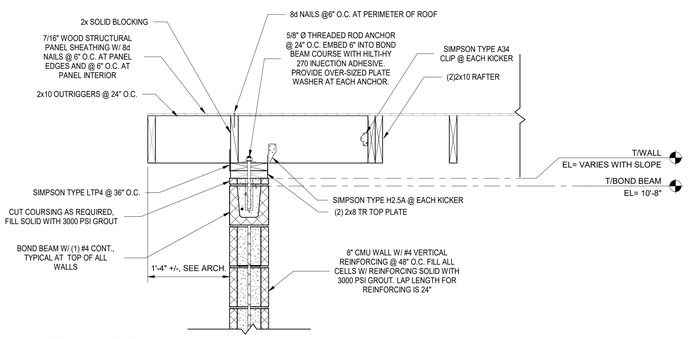


NOTE:
SEE SECTION 5 THIS SHEET FOR INFORMATOIN NOT CALLED OUT HERE

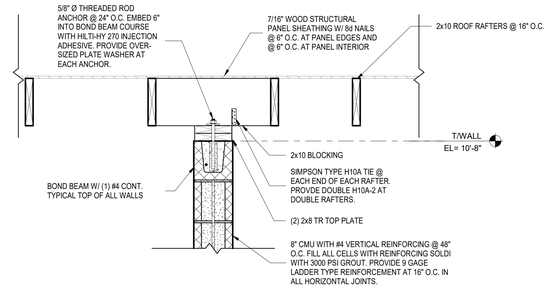
7 S201 Section 3
SCALE: 1" = 1'-0"



8 S101/S201 TYPICAL JOIST FRAMING AT EXTERIOR OPENINGS
1" = 1'-0"



9 S101/S201 TYPICAL JOIST FRAMING PARALLEL TO CMU WALL
1" = 1'-0"



10 S101/S201 CMU WALL BRACING TO ROOF RAFTERS
1" = 1'-0"

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No. 38682
JONATHAN ERR PINTO
3/15/2024

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Reviewed For Code Compliance:
Plans as of Construction Document using Jurisdiction Amt. Bldg. Code, Jurisdiction Amt. Fire Code, Jurisdiction Amt. Mech. Code, Jurisdiction Amt. Plumbing Code, Jurisdiction Amt. Electrical Code, Jurisdiction Amt. Accessibility Code, Jurisdiction Amt. Energy Code, Jurisdiction Amt. Other Code. Plans are reviewed only for the codes checked above. Review does not cover all of the code. Plan review comments are based on the plans submitted and do not imply approval of the entire project. Plans must comply with all applicable codes and ordinances.
Contact Plans and Permits Department for more information.
Plan Review Initials: Date: 3/18/2024
Plan Review Comments: Plan review is based on the following code editions: 2018 IBC, 2018 IRC, 2018 IMC, 2018 IPC, 2018 IECC, 2018 IFC, 2018 ICC A117.1, 2018 NFPA 70

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2023-0386

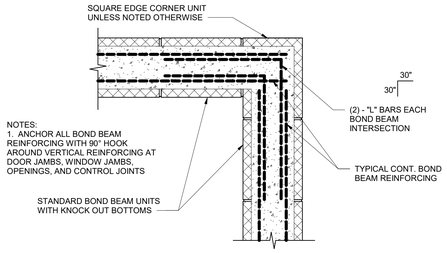
Δ	DATE	DESCRIPTION

SHEET NAME:
FOUNDATION AND FRAMING DETAILS

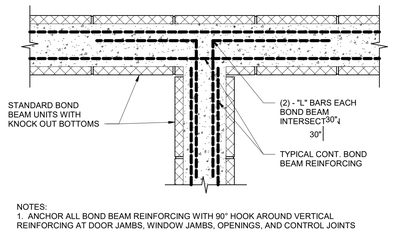
ORIG SUBMISSION: 3/15/2024

SHEET:
S201

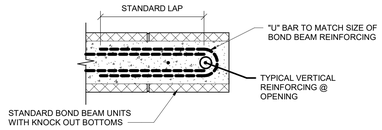
CONSTRUCTION DOCUMENTS



1 S202 CMU - TYP. BOND BEAM REINFORCING (CORNER)
SCALE: 1" = 1'-0"

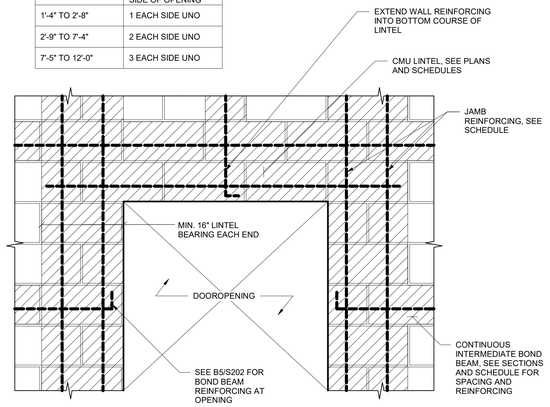


2 S202 CMU - TYP. BOND BEAM REINFORCING (WALL INTERSECTION)
SCALE: 1" = 1'-0"



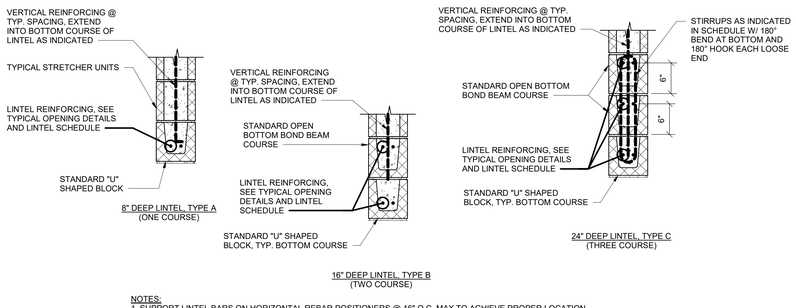
3 S202 CMU - TYP. BOND BEAM REINFORCING (WALL OPENING)
SCALE: 1" = 1'-0"

JAMB BAR SCHEDULE	
OPENING WIDTH	# OF BARS AT EACH SIDE OF OPENING
1'-4" TO 2'-8"	1 EACH SIDE UNO
2'-9" TO 7'-4"	2 EACH SIDE UNO
7'-5" TO 12'-0"	3 EACH SIDE UNO



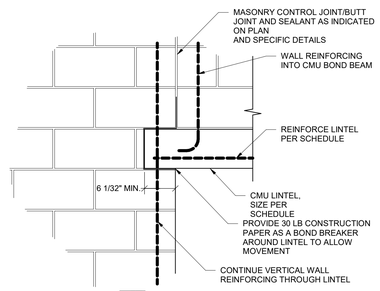
NOTES:
1. JAMB BAR SIZE SHALL MATCH TYPICAL ADJACENT WALL REINFORCING SIZE
2. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" O.C. VERTICALLY AND FIRST COURSE ABOVE AND BELOW OPENING, EXTEND MIN. OF 24" PAST OPENING
3. LINTELS SHALL BE CONSTRUCTED OF STANDARD "U" SHAPED UNITS (NOT BOND BEAM UNITS)
4. JAMB REINFORCING SHALL BE CONTINUOUS FROM FOOTING, GIRT, OR DIAPHRAGM LEVEL BELOW TO DIAPHRAGM LEVEL, GIRT OR TOP OF WALL ABOVE
5. DETAIL IS TYPICAL ALL OPENINGS GREATER THAN 1'-0" WIDE
6. COORDINATE JAMB BARS WITH SPECIFIC CMU PIER DETAILS WHERE INDICATED

4 S202 CMU - TYP. CMU CONSTRUCTION (@ DOOR)
SCALE: 1" = 1'-0"

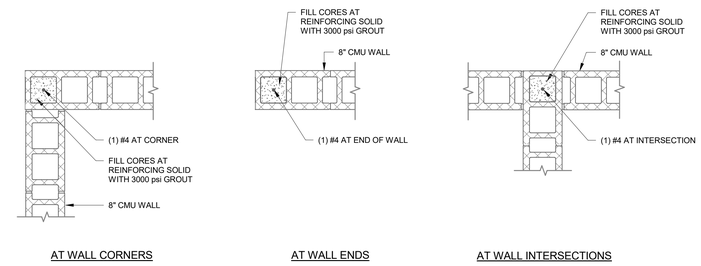


NOTES:
1. SUPPORT LINTEL BARS ON HORIZONTAL REBAR POSITIONERS @ 16" O.C. MAX TO ACHIEVE PROPER LOCATION
2. PROVIDE ADDITIONAL BARS, WIRE TIES, ETC. AS REQUIRED TO ENSURE LINTEL BARS ARE NOT DISPLACED DURING GROUTING OPERATIONS

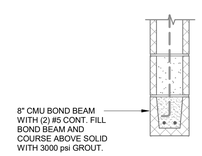
5 S202 CMU - TYP. CMU LINTEL
SCALE: 1" = 1'-0"



6 S202 CMU - TYP. CMU LINTEL AT CONTROL JOINT
SCALE: 1" = 1'-0"

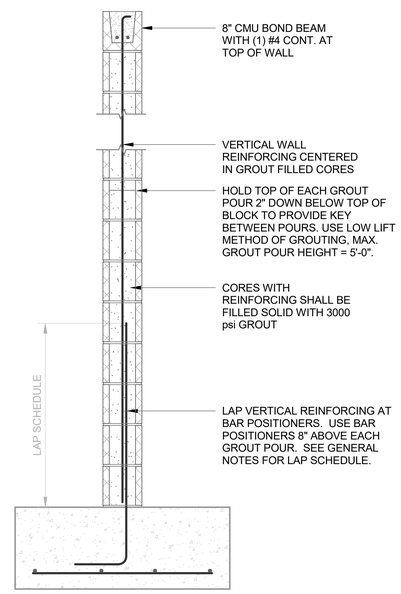


7 S202 TYPICAL 8" CMU REINFORCING DETAILS
SCALE: 1" = 1'-0"

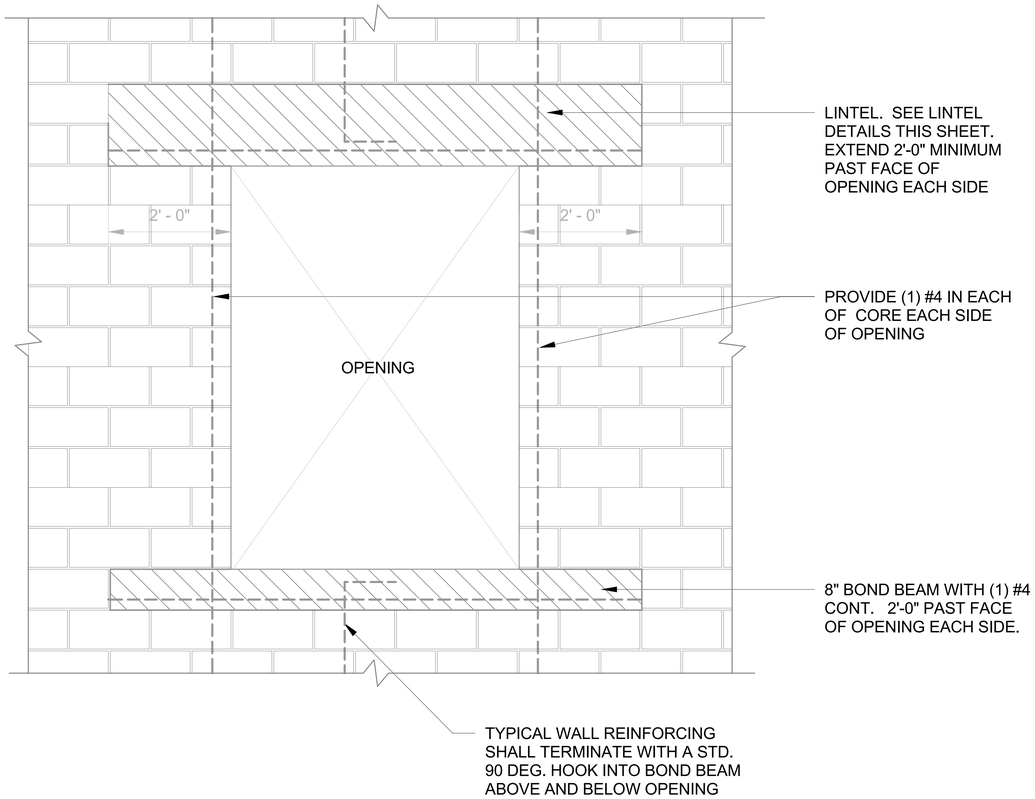


FOR OPENINGS UP TO 4'-0" WIDE

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



8 S202 TYPICAL 8" CMU WALL SECTION
SCALE: 1" = 1'-0"



10 S202 TYPICAL REINFORCING AROUND MASONRY OPENING
SCALE: 1" = 1'-0"

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

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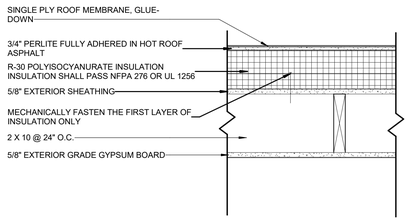
Released For Code Compliance

Plans as of Construction Document which incorporates field issue clarifications, RFI responses, and Bulletins issued to date. Not for Construction. Not for Permit. Not for Bidding. Not for Regulatory Approval. Not to be used for Regulatory Approval. Not to be used for Permit. Not to be used for Construction. Not to be used for bidding. Not to be used for regulatory approval. Not to be used for permit. Not to be used for

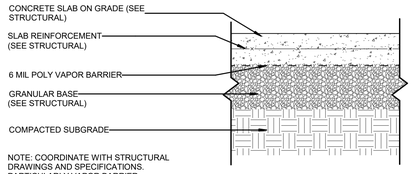
ROOF SYSTEMS



FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE		EFFECTIVE R-VALUE	R-30.1

R1 - SINGLY PLY ROOF MEMBRANE (NC)

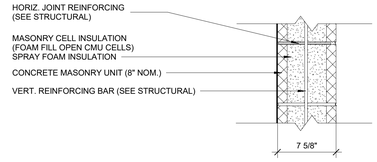
FLOOR SYSTEMS



NOTE: COORDINATE WITH STRUCTURAL DRAWINGS AND SPECIFICATIONS. PARTICULARLY VAPOR BARRIER LOCATION AND DEPTH.

S1 - CONCRETE SLAB ON GRADE

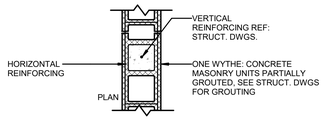
EXTERIOR WALL SYSTEMS



NOTE: REFER TO EXTERIOR ELEVATIONS FOR EXTENTS OF SPLITFACE AND SMOOTHFACE EXTERIOR CMU

W1 - 8" CMU WALL

PARTITION SYSTEMS

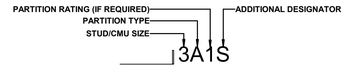


TAG	BLOCK SIZE	OVERALL THICK	RATING	UL ASSEMBLY	STC
6M	5-5/8"	5 5/8"	0	-	
8M	7-5/8"	7 5/8"	0	-	
8MD	7-5/8"	7 5/8"	0	-	

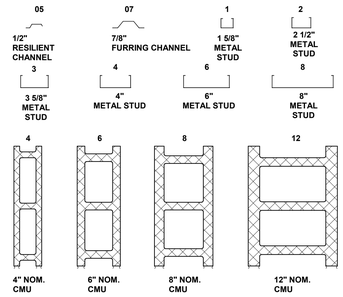
CONCRETE MASONRY UNIT (CMU)

1" = 1'-0"

PARTITION TAG KEY



PARTITION MATERIAL & SIZE



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 MASONRY UNITS FOR OUTSIDE VERTICAL CORNERS AND HORIZONTAL WINDOW STOOLS, EXCEPT AT FIRST COURSE AT FINISHED FLOOR, TOP COURSE AT CEILING, AND WHERE INDICATED OTHERWISE.

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07.25.2024

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Reviewed For Code Compliance

Plans as of Construction Document, which, notwithstanding any prior approval, may be subject to further review by the Authority Having Jurisdiction (AHJ). Verification by the AHJ that the plans comply with the applicable codes in effect at the time of permit issuance does not imply that the AHJ has the power, authority or duty enforcement laws or regulations of other parties, nor does it imply that the AHJ has verified all aspects of the design for compliance with all applicable laws. The Building Inspector may require additional information or revisions to the plans to ensure compliance with all applicable codes.

Contact Plans and Permits Division at 803-285-5700 for more information.

Plan Review Stamp: "Reviewed for code compliance" Date: 07-25-2024
"For Department of Health Services, Columbia, SC"

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
CONSTRUCTION SUBSYSTEMS & PARTITION TYPES & DETAILS

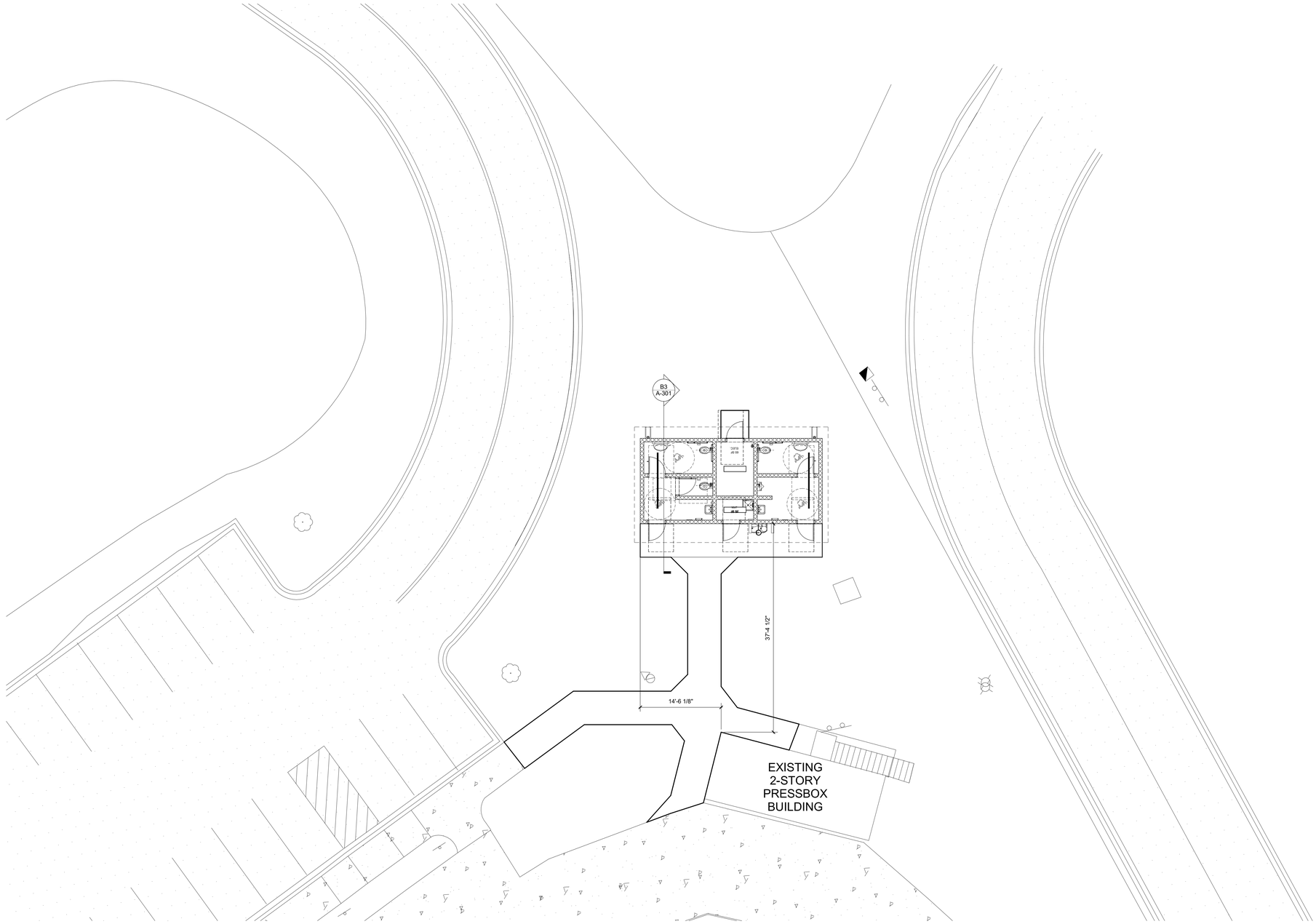
ORIG SUBMISSION: 07/25/24

SHEET:
A-001

CONSTRUCTION DOCUMENTS

7/25/2024 12:18:15 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



B1 ARCHITECTURAL SITE PLAN

1/8" = 1'-0"

SITE PLAN GENERAL NOTES

A. THIS SHEET IS FOR REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SITE IMPROVEMENTS.

7/25/2024 12:18:16 PM

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Reviewed For Code Compliance:
Plans as of Construction Documents using Specifications from Book Volume 1 of 2 Volumes dated 07/25/24 have been reviewed for code compliance. Review is for code compliance only and does not imply approval of dimensions, quantities, or specifications. Review does not cover the design of structural, mechanical, electrical, plumbing, or fire protection systems. Review does not cover errors, omissions or deficiencies. Review is for one year from date of review. Approval of Construction Documents does not authorize the start of work. Plan review fees are valid for one year. Plan Review Information: Plan Review Number: PR-2024-00000 Date: 07-25-2024
Comment Plans and Construction Documents to be sent to the Inspection Office.
Plan Review Status: Approved Approved with Conditions Denied
Plan Review Comments: Plans are in compliance with the 2021 International Building Code.

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
ARCHITECTURAL SITE PLAN

ORIG SUBMISSION: 07/25/24

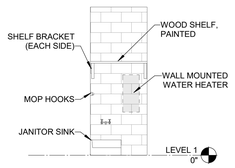
SHEET: A-050

CONSTRUCTION DOCUMENTS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE ORIGINAL PLAN SHEETS

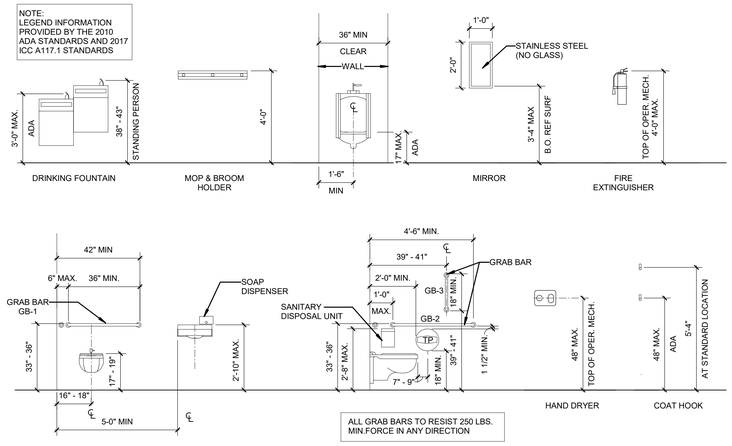
RESTROOM ACCESSORIES

TAG	DESCRIPTION	REMARKS
CH	COAT HOOK	-
CS	BABY CHANGING STATION	-
GB-1	GRAB BAR- HORIZONTAL- 36"	-
GB-2	GRAB BAR- HORIZONTAL- 42"	-
GB-3	GRAB BAR- VERTICAL- 18"	-
HD	HAND DRYER	-
MH	MOP AND BROOM HOLDER	-
MI	MIRROR - 12 X 24	-
SD	SOAP DISPENSER	-OFCI
TP	TP DISPENSER	-OFCI
TR	TRASH RECEPTACLE	-OFCI



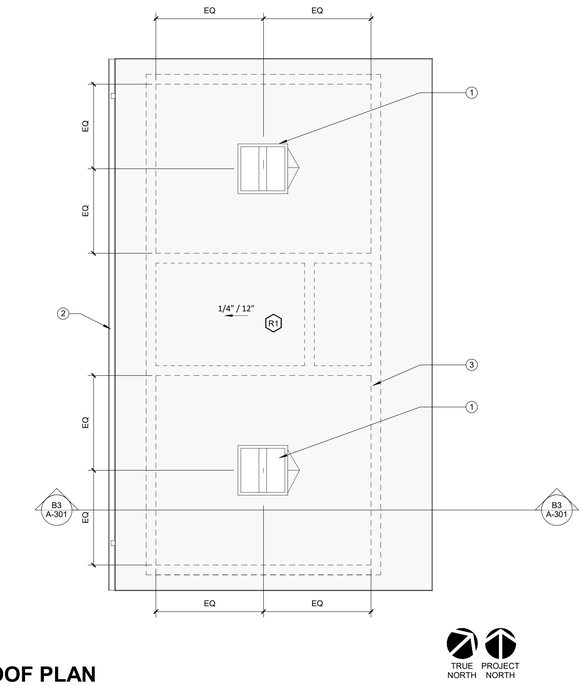
C1 INTERIOR ELEVATION - JAN.

1/4" = 1'-0"



C2 TYP. MOUNTING HEIGHTS

3/8" = 1'-0"



C4 ROOF PLAN

1/4" = 1'-0"

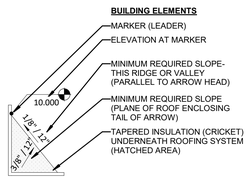
ROOF PLAN GENERAL NOTES

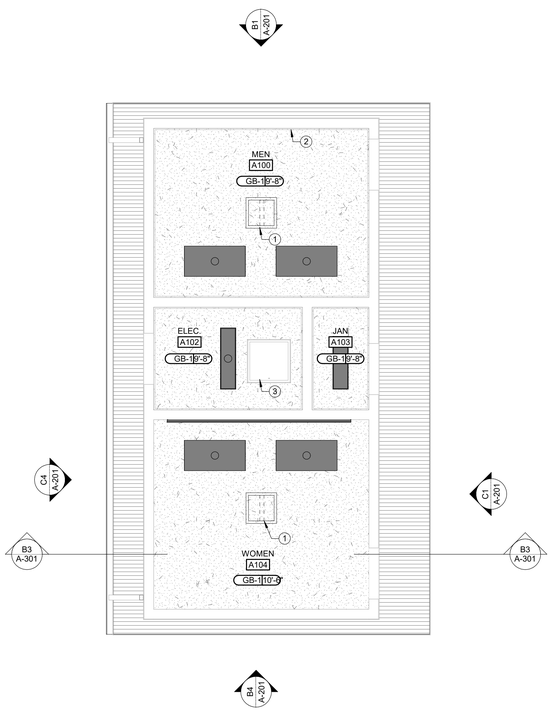
A. SEE A-101 FOR SHEET-SPECIFIC GRAPHICS & SYMBOLS.
B. LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE WITH STRUCTURAL, MECHANICAL PLAN AND EQUIPMENT SHOP DRAWINGS.
C. SEE PLUMBING DRAWINGS FOR VENTS THROUGH ROOF LOCATIONS.
D. SEE STRUCTURAL DRAWINGS FOR DESIGN LOAD REQUIREMENTS.
E. SLOPE ALL COPINGS BACK TO ROOF UNO.
F. WOOD BLOCKING SHOWN IN ROOF DETAILING SHALL BE PRESERVATIVE TREATED. USE FASTENERS COMPATIBLE WITH PRESERVATIVE TREATED WOOD.
G. EXTEND ALL PENETRATIONS, CURBS, AND COMPONENTS A MINIMUM OF 8" ABOVE THE ROOF SURFACE. PROVIDE 12" CLEAR DISTANCE BETWEEN PENETRATIONS AND TO ANY VERTICAL SURFACE.
H. IF NOT DETAILED, APPLY MOST STRINGENT CONDITION OF NRCA AND SMACNA (CURRENT EDITIONS) STANDARDS FOR ROOF DETAIL CONDITIONS.

ROOF PLAN SHEET NOTES

1. 2' X 2' FIXED SKYLIGHT.
2. CONTINUOUS 4" WIDE GUTTER AND DOWNSPOUTS.
3. DENOTES BEARING WALLS BELOW.

ROOF PLAN LEGEND





A2 REFLECTED CEILING PLAN

1/4" = 1'-0"

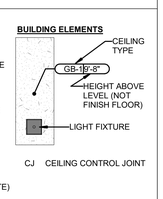
RCP GENERAL NOTES

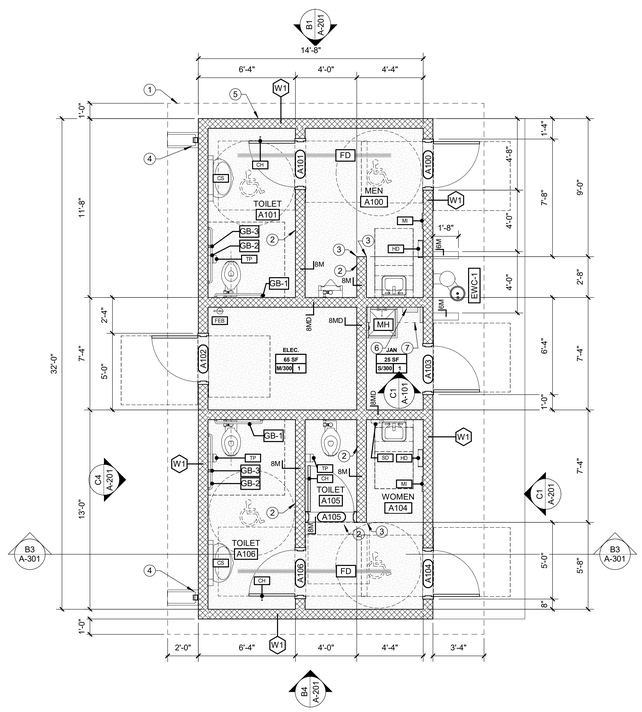
A. PROVIDE SEISMIC RESTRAINT OF SUSPENDED CEILING SYSTEMS IN SITE CLASSIFICATIONS C, D, E & F.
B. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
C. SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
D. LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, WALL MOUNTED FIXTURES AND INSTALLATION OF FIXTURES IN SPACES WITHOUT CEILINGS. (LIGHTING AND HVAC DIFFUSERS ARE SHOWN FOR COORDINATION ONLY - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION).
E. LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
F. PROVIDE AND INSTALL CEILING ACCESS PANEL IN GYPSUM BOARD CEILINGS AT DEVICES REQUIRING ACCESS INCLUDING BUT NOT LIMITED TO BALANCING DAMPERS, SMOKE DETECTORS, VAV CONTROLS, PLUMBING VALVES, ELECTRICAL JUNCTION BOXES, ETC. MINIMIZE ACCESS DOORS WHERE POSSIBLE.
G. HEIGHT OF GYPSUM BOARD SOFFITS SHALL BE "1" BELOW HEIGHT OF ADJACENT CEILING(TYP) UNLESS NOTED OTHERWISE.
H. INDIVIDUAL TRADE COMPONENTS, INCLUDING BUT NOT LIMITED TO LIGHT FIXTURE WHIPS, FLEXIBLE FIRE PROTECTION PIPING, LOW VOLTAGE WIRING, ETC. SHALL NOT BE SUPPORTED BY ACOUSTICAL CEILING SYSTEM.

RCP SHEET NOTES

1. SKYLIGHT WITH 1 X 3 PAINTED WOOD CEILING TRIM
2. PERIMETER 1 X 3 PAINTED WOOD CEILING TRIM.
3. 2'-6" X 2'-6" CEILING ACCESS PANEL.

RCP LEGEND





A4 FLOOR PLAN

1/4" = 1'-0"

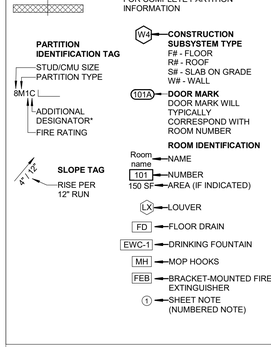
FLOOR PLAN GENERAL NOTES

A. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE COURSING, NOT ACTUAL AND ARE TO FACE OF MASONRY.
B. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD, FACE OF MASONRY AND CENTERLINES OF COLUMNS, UNO.
C. LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL, U.N.O.
D. SEE SHEET A-001 FOR CONSTRUCTION SUBSYSTEMS AND PARTITIONS.
E. SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
F. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.
G. FIELD VERIFY LOCATION OF INTERIOR WALL & CEILING CONTROL JOINTS REQUIRED IN THE SPECIFICATION WITH ARCHITECT PRIOR TO INSTALLATION.

FLOOR PLAN SHEET NOTES

1. ROOF OUTLINE ABOVE.
2. 8" TALL CMU PARTITION.
3. RADIUS EDGE CMU.
4. DOWNSPOUTS TO PLASTIC SPLASH BLOCK, SEE CIVIL DRAWINGS.
5. EXTERIOR ELEVATIONS INDICATE AREAS OF SPLITFCE AND SMOOTHFACE.
6. WALL-MOUNTED WATER HEATER, SEE PLUMBING.
7. 12" DEEP WOOD SHELF (PAINTED) - ABOVE.

FLOOR PLAN LEGEND



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Reviewed For Code Compliance:
Plans as of Construction Document stage, specifically but not limited to, code compliance, life safety, and ADA requirements, have been reviewed by the Lancaster County School District (LCSD) and its consultants. Reviews by the Lancaster County School District (LCSD) and its consultants are for the benefit of the LCSD only and do not relieve consultant or their representatives from any responsibility for errors, omissions, or discrepancies in the plans, specifications, or other documents. The Lancaster County School District (LCSD) does not assume responsibility for the accuracy of the plans, specifications, or other documents.
Contractor Plans and Calculations Required: Contractor is to provide the Approved Plans, Specifications, and Calculations to the Fire Marshal.
Approved by: _____ Date: _____
Fire Marshal or Designee
Approved Plans Must Be Kept On Site At All Times
LCSD Approved Contractor Signature Required

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
FLOOR, REFLECTED CEILING & ROOF PLAN

ORIG SUBMISSION: 07/25/24

SHEET:
A-101

CONSTRUCTION DOCUMENTS

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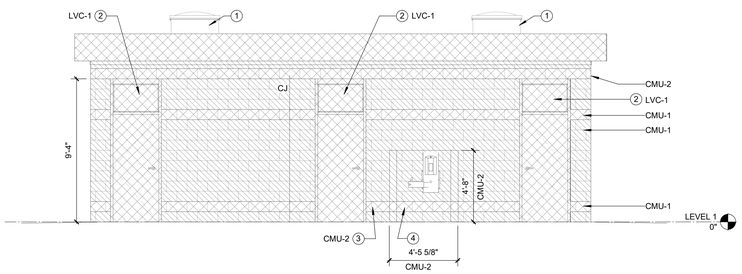
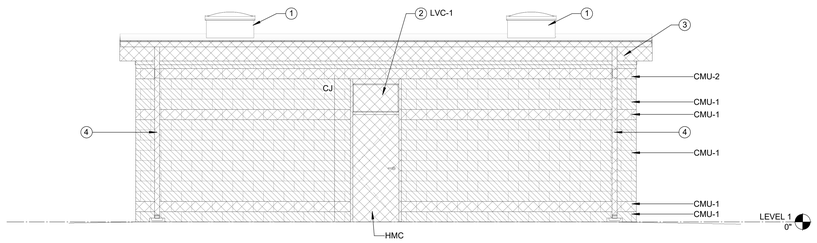
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE



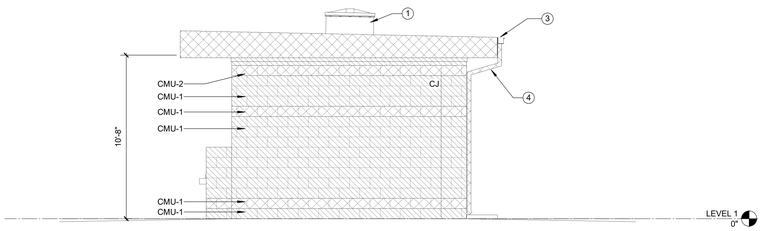
C1 FRONT ELEVATION

1/4" = 1'-0"



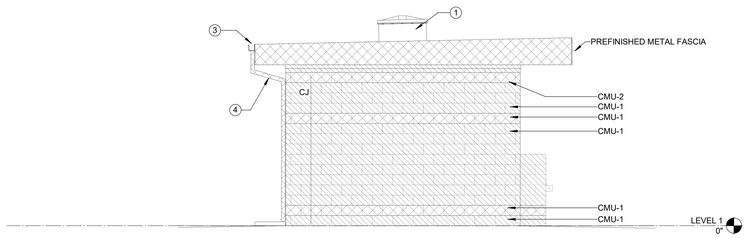
C4 RIGHT-SIDE ELEVATION

1/4" = 1'-0"



B1 REAR ELEVATION

1/4" = 1'-0"



B4 LEFT-SIDE ELEVATION

1/4" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

A. ALL EXTERIOR FINISHES AND COLORS SUBJECT TO ARCHITECT'S APPROVAL.

EXTERIOR ELEVATION SHEET NOTES

1. FIXED SKYLIGHT
2. LOUVER WITHIN DOOR FRAME TRANSOM
3. PREFINISHED METAL GUTTER
4. PVC DOWNSPOUT TO SPLASH BLOCK - SEE CIVIL DRAWINGS

EXTERIOR ELEVATION LEGEND

PAINT COLOR #1

PAINT COLOR #2

CJ CONTROL JOINT, PAINTED TO MATCH PAINT ADJACENT PAINT COLORS

EXTERIOR FINISH SCHEDULE

TAGS	DECRIPTION	SECTION	BASIS OF DESIGN	COLOR/TEXTURE	REMARKS
CMU-1	CMU - SPLIT FACED	042000	SHERWIN-WILLIAMS	REFER TO ELEVATIONS FOR AREAS OF PAINT COLORS #1 & #2	
CMU-2	CMU - SMOOTH FACED	042000	SHERWIN-WILLIAMS	REFER TO ELEVATIONS FOR AREAS OF PAINT COLORS #1 & #2	
DS-1	DOWNSPOUT & GUTTER COLOR #1	076200	REFER TO SPECIFICATIONS	MATCH PAINT COLOR #2	
FLA-1	SHEET METAL FLASHING AND TRIM COLOR #1	076200	SHERWIN-WILLIAMS	MATCH PAINT COLOR #2	
HMC-1	HOLLOW METAL COLOR #1	081113	SHERWIN-WILLIAMS	MATCH PAINT COLOR #2	
LVC-1	LOUVERS & VENTS COLOR #1	089119	REFER TO SPECIFICATIONS	MATCH PAINT COLOR #2	
MCP-3	METAL SOFFIT PANEL	074293	MCELROY METAL	WHITE	

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Reviewed For Code Compliance

Plans as of Construction Document stage, specifically exclude the scope of work required to comply with the 2018 International Building Code, as amended by South Carolina, as adopted by the Jurisdiction. Jurisdiction is responsible for all inspections and enforcement of the 2018 International Building Code, as amended by South Carolina, and the owner assumes all code interpretations from or decisions made by the Jurisdiction's Building Code Officials. Review does not include review of any Fire Protection Systems. Fire Protection Systems shall be submitted to the Fire Marshal for review and approval.

Comment Plans and Code Compliance Review are not the responsibility of the Jurisdiction.

Jurisdiction: Fort Mill Date: 07-25-2024
"This Review Does Not Include Review of Any Fire Protection System"

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
EXTERIOR ELEVATIONS

ORIG SUBMISSION: 07/25/24

SHEET:
A-201

CONSTRUCTION DOCUMENTS

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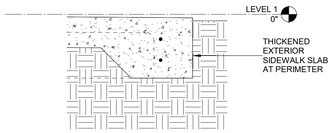
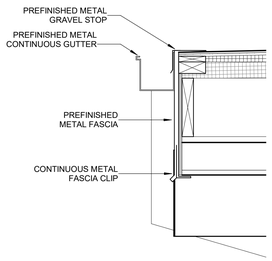
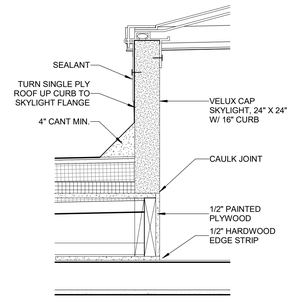


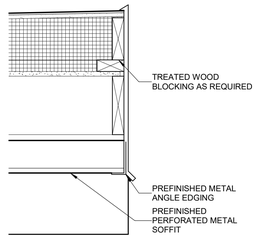
E3 SIDEWALK DETAIL
1 1/2" = 1'-0"



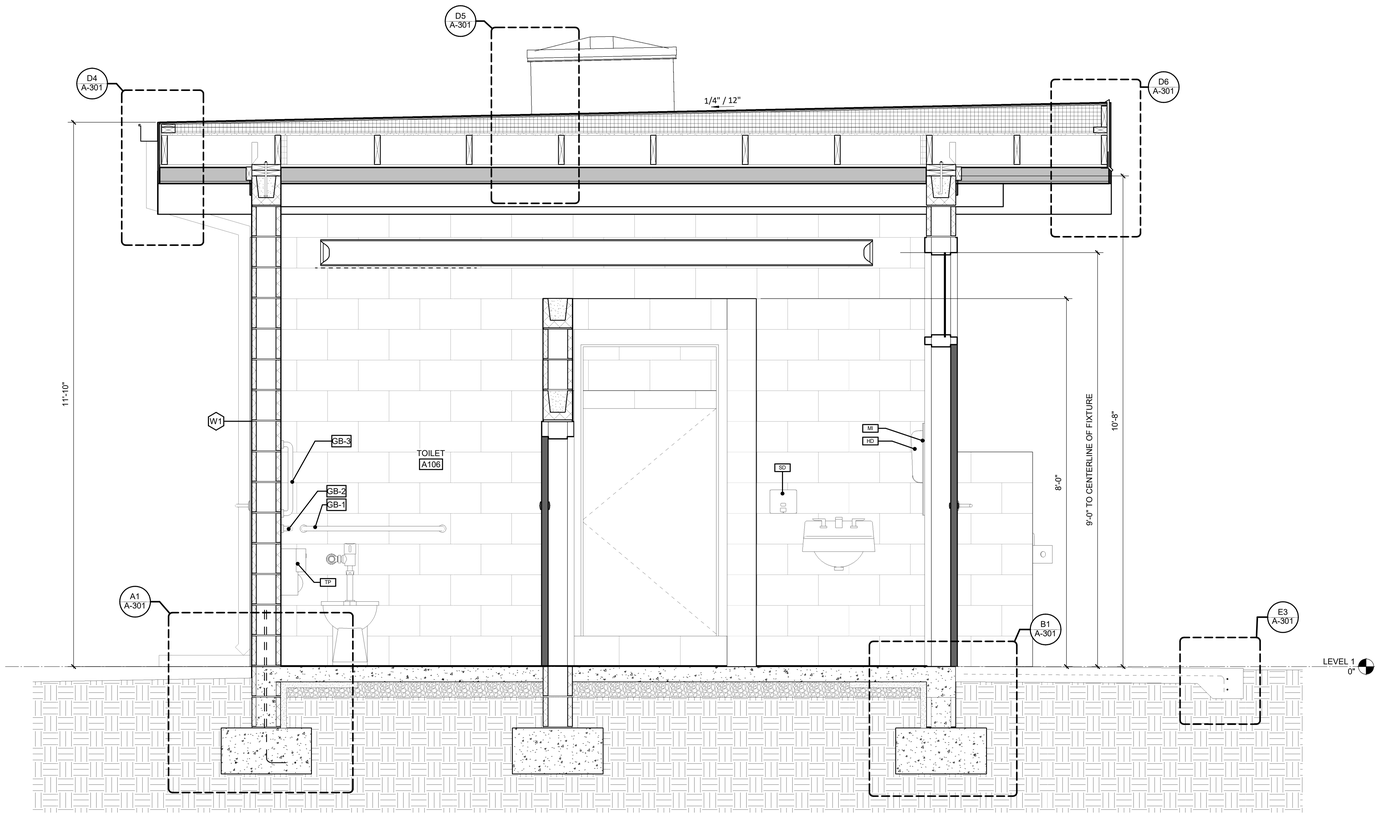
D4 EAVE DETAIL AT GUTTER
1 1/2" = 1'-0"



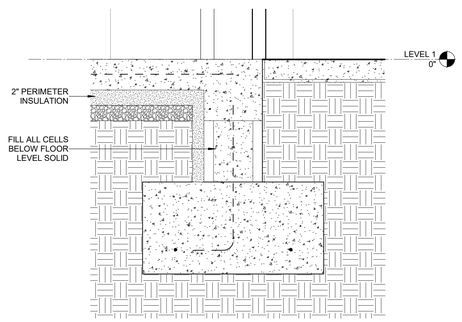
D5 SKYLIGHT DETAIL
1 1/2" = 1'-0"



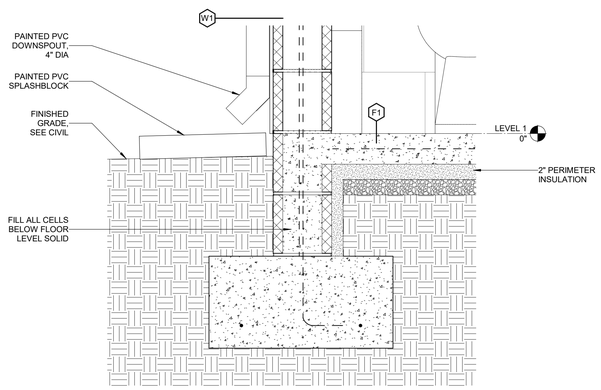
D6 EAVE DETAIL
1 1/2" = 1'-0"



B3 BUILDING SECTION
3/4" = 1'-0"



B1 FOOTING DETAIL @ DOOR
1 1/2" = 1'-0"



A1 FOOTING DETAIL
1 1/2" = 1'-0"

GENERAL NOTES

A. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION CONCERNING FINISHED FLOOR AND GRADING ELEVATIONS.
B. SEE STRUCTURAL DRAWINGS FOR FOOTING DEPTHS AND SPECIFIC CONCRETE REINFORCING REQUIREMENTS.
C. REFER TO EXTERIOR ELEVATIONS FOR EXTERIOR MATERIAL COLORS AND FINISHES.

7/25/2024 12:18:42 PM

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4844
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07.25.2024

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Reviewed For Code Compliance:
Plans as of Construction Document stage, specifically but not limited to, life safety, egress, and accessibility, have been reviewed for code compliance. Approval is not a guarantee that all code requirements have been met. Approval does not cover field conditions or other conditions not visible to the reviewer, or other requirements that may be required by other departments or jurisdictions. Approval does not cover the means, methods or data supplied/used, that is the responsibility of the design professionals and not the AHJ.
Plan review by: _____ Date: _____
Comments:
Contact Plans and Code Compliance at (803) 385-8130 for the inspection and filing fee.
Fire Plan Review: _____ Date: _____ (803) 718-4040
Fire Marshal's Office - Lexington County
212 Gibbs Street, Lexington, SC 29072

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

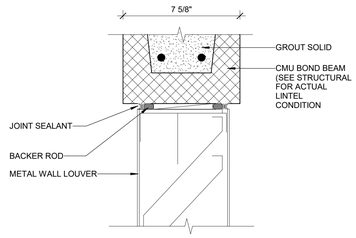
SHEET NAME: BUILDING SECTIONS

ORIG SUBMISSION: 07/25/24

SHEET: A-301

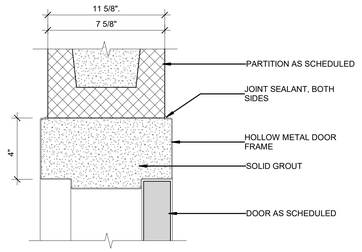
CONSTRUCTION DOCUMENTS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ARCHITECTURAL DRAWING, PLOT SCALE



D1 LOUVER - HEAD @ CMU

3" = 1'-0"

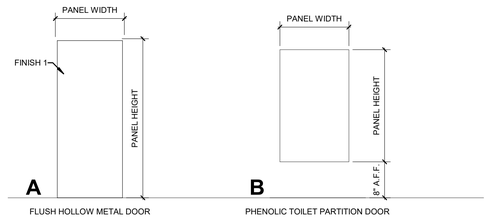


D2 HM DOOR & FRAME - HEAD @ CMU WALL

3" = 1'-0"

DOOR & FRAME SCHEDULE

NUMBER	FIRE RATING (MIN)	PANEL TYPE & MATERIAL PANEL 1	WIDTH PANEL 1	PANEL HEIGHT	FINISH	TYPE	WIDTH	HEIGHT	FINISH	HEAD	JAMB	SILL	AAOS Project HW Set	NUMBER	COMMENTS/ NOTES
	DOOR					DOOR FRAME				DOOR DETAILS					
LEVEL 1															
A100	0	A, HM	3'-0"	7'-0"	PT	HM-2	3'-0"	7'-0"		D2/A-401	C2/A-401	B2/A-401		A100	PROVIDE INSECT SCREEN AT LOUVER
A101	0	B, PH	3'-0"	5'-0"	-	HM-1	3'-0"	5'-0"		D2/A-401	C2/A-401	-		A101	TLT. PARITION DOOR
A102	0	A, HM	3'-0"	7'-0"	PT	HM-2	3'-0"	7'-0"		D2/A-401	C2/A-401	B2/A-401		A102	PROVIDE INSECT SCREEN AT LOUVER
A103	0	A, HM	3'-0"	7'-0"	PT	HM-2	3'-0"	7'-0"		D2/A-401	C2/A-401	B2/A-401		A103	PROVIDE INSECT SCREEN AT LOUVER
A104	0	A, HM	3'-0"	7'-0"	PT	HM-2	3'-0"	7'-0"		D2/A-401	C2/A-401	B2/A-401		A104	PROVIDE INSECT SCREEN AT LOUVER
A105	0	B, PH	3'-0"	5'-0"	-	HM-1	3'-0"	5'-0"		D2/A-401	C2/A-401	-		A105	TLT. PARITION DOOR
A106	0	B, PH	3'-0"	5'-0"	-	HM-1	3'-0"	5'-0"		D2/A-401	C2/A-401	-		A106	TLT. PARITION DOOR

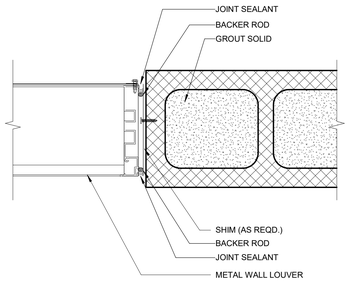


D4 DOOR PANEL ELEVATIONS

3/8" = 1'-0"

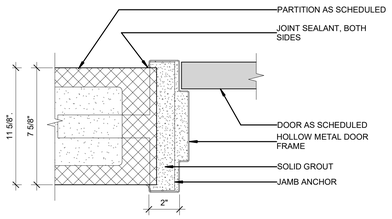
GENERAL NOTES

A. 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.
C. ALL EXTERIOR METAL THRESHOLDS ARE TO BE SET IN A FULL BED OF SEALANT.
D. 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.
E. MATERIALS, FINISHES, AND INSTALLATION OF PRODUCTS REFERENCED IN THE SCHEDULE SHALL BE IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN THE RESPECTIVE PRODUCT SECTIONS.
F. REFER TO PARTITION TYPES AS INDICATED ON SHEET A-001 TO DETERMINE FRAME DEPTH.
G. OPENING SIZES INDICATED REFER TO DOOR OPENING DIMENSIONS INSIDE OF FRAME.
H. FOR TYPICAL INTERNAL DOOR SILL DETAILS, REFER TO FLOOR TRANSITION DETAILS.
I. REFER TO SPECIFICATIONS FOR DOOR HARDWARE ALLOWANCE.
J. 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.
L. 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.



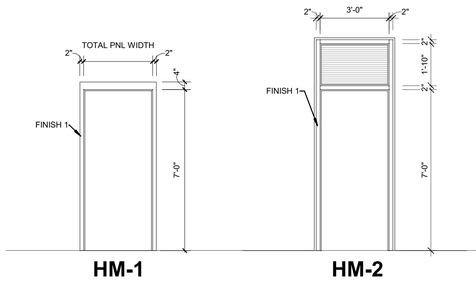
C1 LOUVER - JAMB @ CMU

3" = 1'-0"



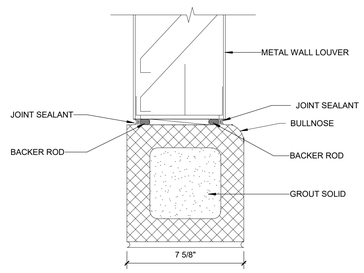
C2 HM DOOR & FRAME - JAMB @ CMU WALL

3" = 1'-0"



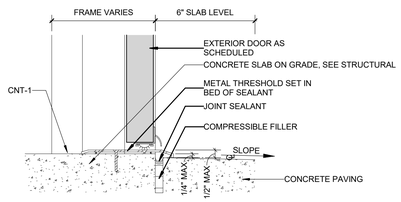
C4 DOOR FRAME ELEVATIONS

3/8" = 1'-0"



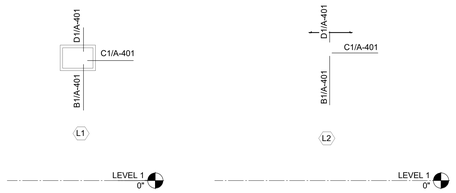
B1 LOUVER - SILL @ CMU

3" = 1'-0"



B2 CONCRETE (INT.) TO CONCRETE (EXT.)

3" = 1'-0"



B4 LOUVER ELEVATIONS

3/8" = 1'-0"

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07.25.2024

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Reviewed For Code Compliance:
Plans as of Construction Document stage, hereinafter, have been reviewed for compliance with the 2018 International Building Code, 2018 International Fire Code, 2018 International Mechanical Code, 2018 International Plumbing Code, 2018 International Fuel Gas Code, 2018 International Energy Conservation Code, 2018 International Existing Building Code, 2018 International Residential Code, 2018 International Green Construction Code, 2018 International Swimming Pool and Spa Code, 2018 International Property Maintenance Code, 2018 International Code Council Performance Code, 2018 International Wildland-Urban Interface Code, 2018 International Zoning

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON THE SHEETS ORIGINAL PAPER SIZE

INTERIOR FINISHES

TAG	DESCRIPTION	MANUFACTURER	PRODUCT NAME & NUMBER	PRODUCT STYLE/PATTERN	PRODUCT FINISH	PRODUCT COLOR	PRODUCT SIZE	INSTALLATION	CONTACT	ADDITIONAL NOTES
03-CONCRETE-POLISHED CONCRETE FINISHING										
CNT-1	SEALED CONCRETE	SHERWIN WILLIAMS	ARMORSEAL TREAD-PLEX	-	-	CLEAR	-	GENERAL CONCRETE SEALER	-	ALL FLOOR SLABS
09-FINISHES-WALL BASES										
RBC-1	RUBBER BASE	TARKETT	TRADITIONAL RUBBER WALL BASE	RUBBER COVE BASE	-	20 CHARCOAL	4"H (120'-0" COILS)	ALL INTERIOR SPACES	KIMBERLY TRIMBLE - 803.394.9611 - KIMBERLY.GRAY@TARKETT.COM	-
09-FINISHES-WALLS										
PNT-1	PAINT	SHERWIN WILLIAMS	SW 7006	-	EGGSHELL	EXTRA WHITE	-	ALL INTERIOR SPACES	STEVE GOODE - STEVEN.R.GOODE@SHERWIN.COM	-

GENERAL NOTES

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.

C. 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.

D. 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.

E. ALL SIGNS TO BE MOUNTED FOLLOWING ANSI A117.1-2009 GUIDELINES, 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.

F. 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.

G. 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.

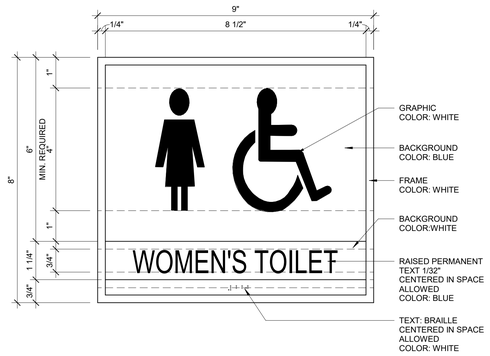
H. A SIGN STATING "EXIT" IN RAISED CHARACTERS AND BRAILLE AND COMPLYING WITH ICC A 117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

I. COORDINATE SIGNAGE LOCATIONS IN FIELD WITH ARCHITECT OR VIA SUBMITTAL WHERE MULTIPLE SIGNAGE QUANTITIES ARE SHOWN.

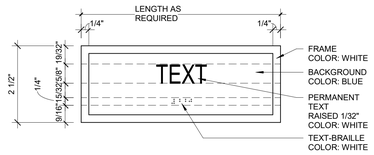
J. COORDINATE ALL FINAL SIGN TEXT WITH OWNER PRIOR TO FABRICATION OF SIGNAGE. ALL TEXT TO USE FONT STYLE AS CHOSEN BY THE OWNER, WITH ALL LETTERS CAPITALIZED.

SIGNAGE SCHEDULE

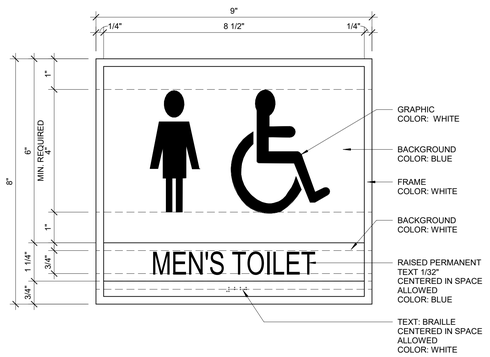
ROOM NUMBER	ROOM NAME	SIGN TYPE	QUANTITY	PERMANENT TEXT	NOTES
A100	MEN	2B	1		
A101	TOILET				
A102	ELEC.	3A	1	ELECTRICAL	
A103	JAN	3A	1	CUSTODIAL	
A104	WOMEN	2A	1		
A105	TOILET				
A106	TOILET				
		3A	1	ACCESSIBLE RESTROOMS LOCATED IN ADJACENT BUILDING	PLACE OUTSIDE OF EXISTING RESTROOMS



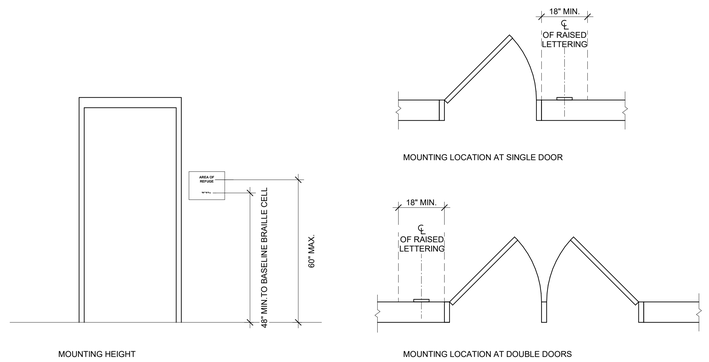
D2 SIGNAGE - TYPE 2A
6" = 1'-0"



D4 SIGNAGE - TYPE 3A
6" = 1'-0"



B2 SIGNAGE - TYPE 2B
6" = 1'-0"



B4 TYPICAL SIGN MOUNTING LOCATIONS
1/2" = 1'-0"

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07.25.2024

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Reviewed For Code Compliance

Plans as of Construction Document using Technical Acts from the Code of Laws of South Carolina 1976 as amended, and the Rules and Regulations of the South Carolina Department of Architectural Review, Section 6-1-60 Code of Laws of South Carolina 1976 as amended, and Section 10-1-188 Code of Laws of South Carolina 1976 as amended, and the codes, standards or other requirements listed on file with the Department of Architectural Review, pertaining to life safety, fire protection, and accessibility, and as set forth in the "Code Compliance Agreement" between the Department of Architectural Review and the Design Professional of Record.

Comment Plans and Construction Documents are on file with the Department.

Art Pope, Director — Department of Architectural Review — Date: 07.25.2024
"For Representation of Compliance, see Design Professional of Record's letter."

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

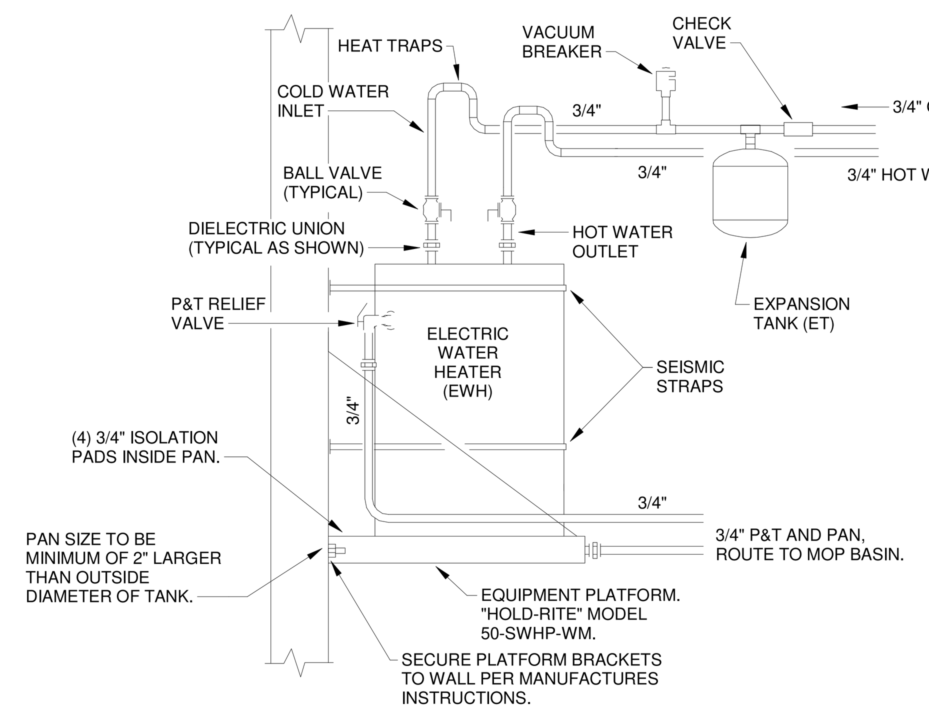
SHEET NAME:
ROOM FINISH SCHEDULE & LEGEND, AND ROOM SIGNAGE

ORIG SUBMISSION: 07/25/24

SHEET: A-701

CONSTRUCTION DOCUMENTS

7/25/2024 12:18:57 PM



WATER HEATER (EWH) SCHEMATIC

NO SCALE

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.

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.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION			REMARKS
		CW	HW	WASTE	
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". Provide with seat by Bemis 1955SSCT elongated, white, plastic, open front less cover, bolt covers, and Sloan Regal 111-XL flush valve for 1-1/2" 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". Provide with seat by Bemis 1955SSCT elongated, white, plastic, open front less cover, and Sloan Regal 111-XL flush valve for 1-1/2" top spud. 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 urinal carrier specify wall thickness as required. Install in accordance with all ADA requirements with rim height at 17" maximum. Coordinate 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 faucet with vandal resistant handle and aerator. Provide with McGuire 155A2 CP brass drain plug with strainer and 1-1/2" OD tail piece, H175 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 arm carrier as wall construction dictates and with Handi Lav-Guard insulation kit, Model No. 102 W (white.)

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 and No. 369 handles, wall brace, pail hook, and No. R 1/2" flanged female adjustable arms with integral stops. Provide with Florestone MR-370 hose and clamp, MR-372 mop hanger with three clamps, and MR-377 stainless steel wall panels. Seal basin with silicone sealant.

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.

ECO Zurn ZB-1400-HD-BP-NL EXTERIOR CLEANOUT
Heavy duty Neo-Loc cast iron body exterior cleanout with bronze plug, and heavy duty polished bronze top. Size per plumbing drawings and install in concrete encasement as detailed on drawings.

EWH State PCE-20-10MSA WATER HEATER
Electric water heater with 20 gallon storage capacity. Unit power shall be as specified on electrical drawings. Unit shall be provided with two non-simultaneous 4500 watt elements. Water heater shall be UL listed and shall have standby losses meeting the latest US Department of Energy and ASHRAE requirements. Provide with 5-year tank warranty.

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-backflow preventer. Provide with one loose key per hydrant.

EXPANSION TANK SCHEDULE

SYMBOL	ET	
MANUFACTURER	AMTROL (THERM-X-TROL)	
MODEL NUMBER	PT-5	
TANK VOLUME (GALLONS)	2.0	
ACCEPTANCE VOLUME (GAL)	0.9	
TANK DIAMETER (INCHES)	8"	
TANK HEIGHT (INCHES)	13"	
FILL PRESSURE (PSIG)	60	
OPERATING WEIGHT (LBS)	12.5	
SERVICE	DOM. HOT WATER	
MAXIMUM PRESSURE (PSIG)	150	

REMARKS:

SHOCK ABSORBER SCHEDULE

SYMBOL	SA-AA	SA-A	SA-B
MANUFACTURER	SIOUX CHIEF		
MODEL NUMBER	660	652-A	653-B
F.U. RATING	1-4	4-11	12-32
CONNECTION SIZE	1/2"	1/2"	3/4"

NOTES TO SHEET:

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

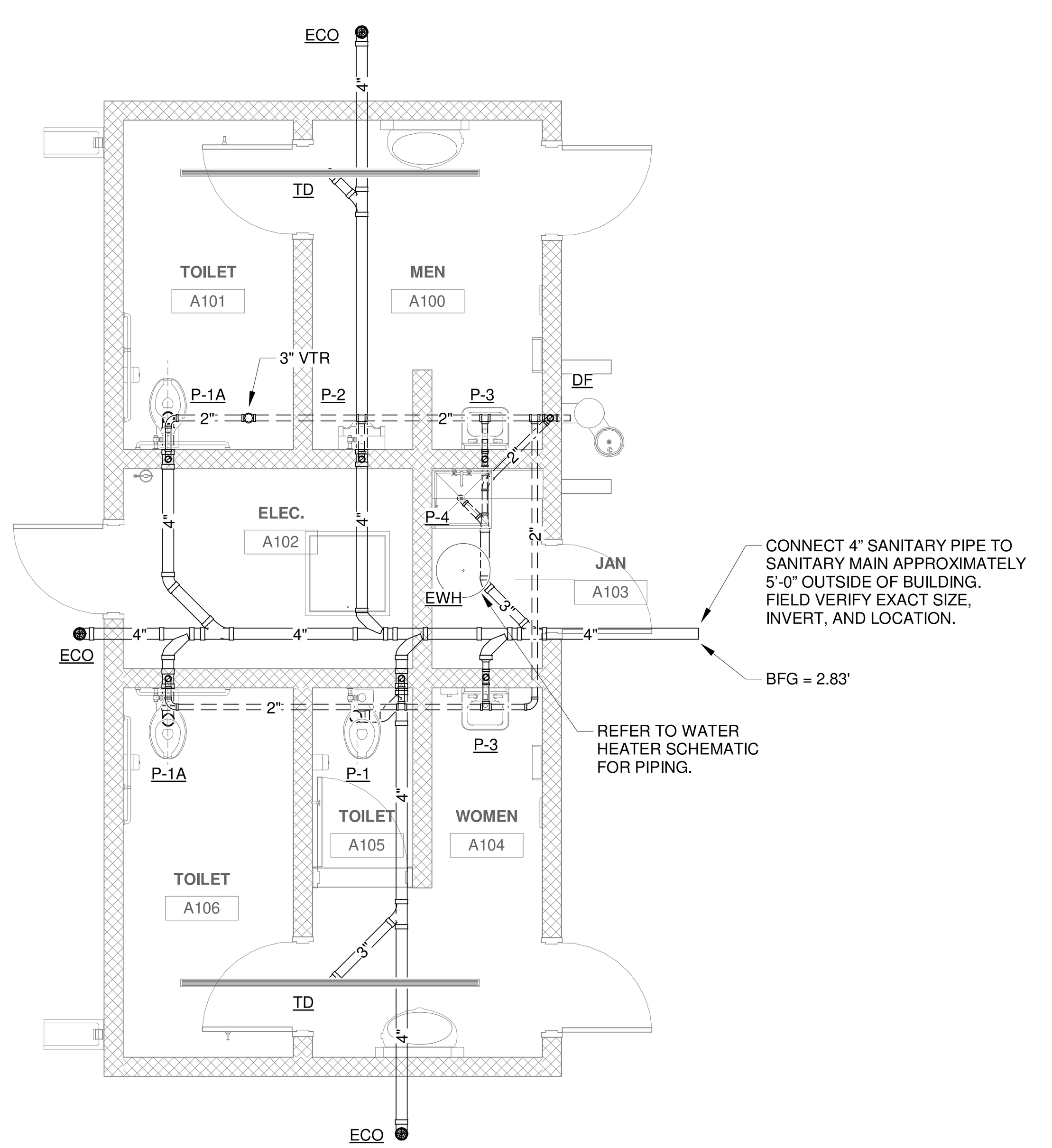
2. INSTALL WATTS, OR APPROVED EQUAL, MODEL 007M2-QT 1-1/2" DOUBLE CHECK BACKFLOW PREVENTER IN VERTICAL RISER.

NOTE:

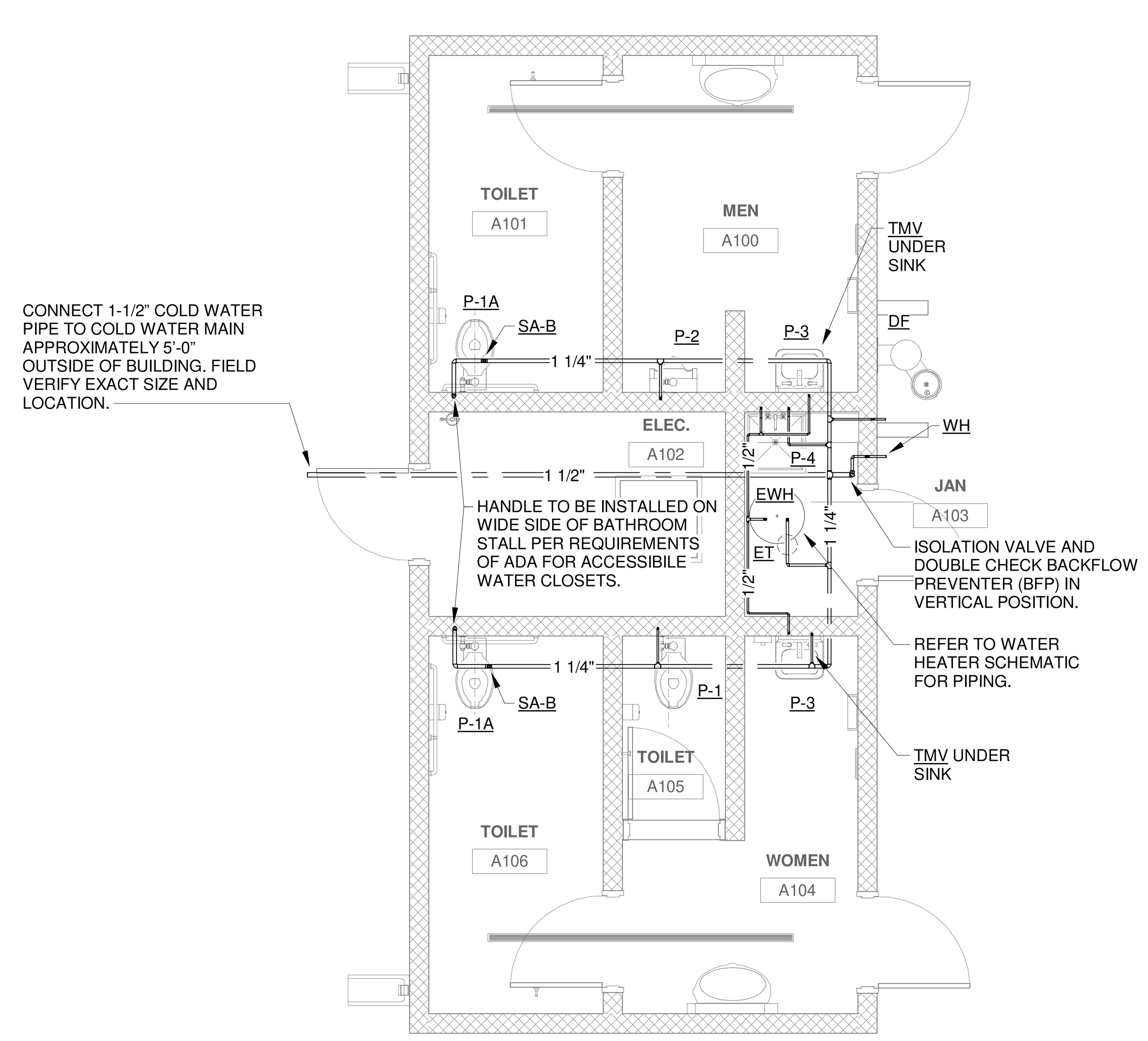
VERIFY VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.

NOTE:

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



1 Plumbing Plan - Waste/Vent
1/4" = 1'-0"



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

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 PLUMBING LINETYPE LEGEND

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

MECA
Mechanical Engineering Consulting Associates, Inc.
2330 Main St.
Columbia, South Carolina 29201
Phone: (803) 765-9421
www.mecainc.com

Designed:	MAB
Approved:	PPC
Job No.:	23346
Plot Date:	04/16/2024

LANCASTER COUNTY SCHOOL DISTRICT
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Lancaster County School District

LS3P
701-A LADY STREET
COLUMBIA, SOUTH CAROLINA 29201
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SOUTH CAROLINA MECHANICAL ENGINEERING CONSULTING ASSOCIATES NO. C00097 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER REGISTERED No. 18709 PHILIP P. CLAYTOR

3/15/2024

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BUFORD BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: Project Number

Δ	DATE	DESCRIPTION

SHEET NAME:
PLUMBING PLANS

ORIG SUBMISSION: 03/15/24

SHEET:
P101

CONSTRUCTION DOCUMENTS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

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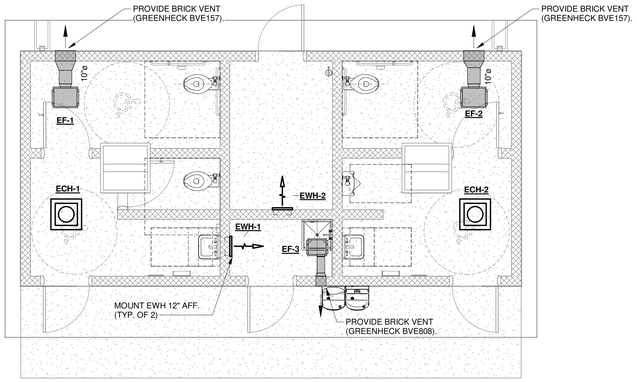
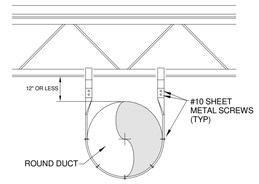
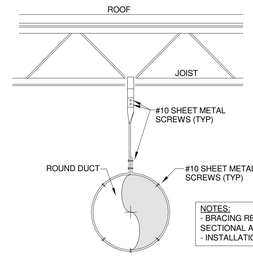


1 Mechanical Plan
1/4" = 1'-0"

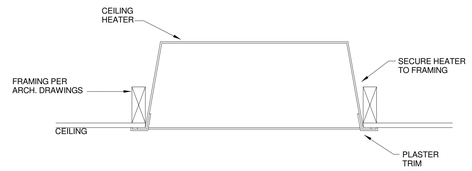


DUCT SUPPORT DETAIL
NO SCALE



NOTES:
- BRACING REQUIRED ON DUCTS WITH A CROSS SECTIONAL AREA GREATER THAN OR EQUAL TO 6 SQ. FT.
- INSTALLATION PER SMACNA GUIDELINES.

DUCT SUPPORT DETAIL
NO SCALE



CEILING HEATER DETAIL
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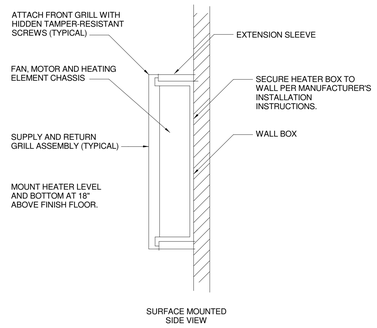
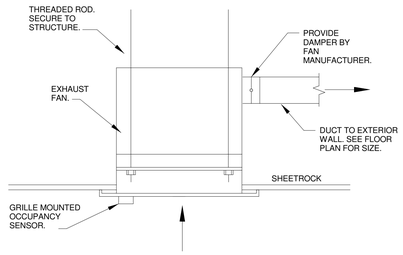


ELECTRIC WALL HEATER DETAIL
NO SCALE



EXHAUST FAN DETAIL
NO SCALE

MECA
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Phone: (803) 765-9421
www.mecainc.com

Designed:	CAB
Approved:	PPC
Job No.:	23346
Plot Date:	03/12/2024

LANCASTER COUNTY SCHOOL DISTRICT
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SOUTH CAROLINA MECHANICAL ENGINEERING CONSULTING ASSOCIATES NO. C00097 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 18709 PHILIP P. CLAYTON

3/15/2024

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Reviewed For Code Compliance

BUFORD BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: Project Number

Δ	DATE	DESCRIPTION

SHEET NAME:
MECHANICAL PLAN

ORIG SUBMISSION: 03/15/24

SHEET:
M101

CONSTRUCTION DOCUMENTS

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG ON ORIGINAL PLAN SHEETS

MECHANICAL SYMBOLS

- SUPPLY AIR DUCT SECTION
- RETURN AIR DUCT SECTION
- T — THERMOSTAT
- OS — OCCUPANCY SENSOR
- UNDERCUT DOOR
- TURNING VANES
- MANUAL DAMPER
- M — MOTORIZED DAMPER
- 4-WAY CEILING DIFFUSER
- CEILING RETURN/EXHAUST GRILLE
- SIDE WALL DIFFUSER
- SIDE WALL RETURN
- DAE — DUCT AIR EXTRACTOR
- OA — OUTSIDE AIRFLOW
- C — CONDENSATE PIPING

MECHANICAL NOTES

-DO NOT SCALE DRAWING. ROUGH FROM EQUIPMENT MANUFACTURER AND ARCHITECTURAL DRAWINGS.

-DIMENSIONS NOTED ON PLANS ARE IN INCHES UNLESS OTHERWISE NOTED.

-DUCT SIZES NOTED ON PLANS ARE INTERIOR DIMENSIONS.

-MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EQUIPMENT VOLTAGES, ELECTRICAL REQUIREMENTS AND DISCONNECTS WITH THE ELECTRICAL CONTRACTOR PRIOR TO RELEASING EQUIPMENT FROM MANUFACTURER.

-ALL DUCTWORK SHOWN ON DRAWING IS DIAGRAMMATIC. ACTUAL RUN SHALL BE SHORTEST POSSIBLE WITHOUT SHARP BENDS. ALL DUCTWORK SHALL BE GALVANIZED STEEL INSTALLED PER SMACNA, INTERNATIONAL AND LOCAL CODES WITH 2-1/4" THICK FIBERGLASS DUCT WRAP INSULATION AND/OR AS OUTLINED IN SPECIFICATIONS.

-ALL DUCTWORK SHALL BE SEALED AIRTIGHT WITH MASTIC. NO HEAT SENSITIVE, PRESSURE SENSITIVE OR DUCT TAPE ALLOWED ON PROJECT.

-LOW PRESSURE DUCTWORK SHALL BE TESTED AND NOT EXCEED 3% AIRFLOW LOSS AT 2" PRESSURE CLASS. WHEN APPLICABLE, MEDIUM PRESSURE DUCTWORK FROM AIR HANDLER TO VAV BOX SHALL BE PRESSURE TESTED PER SMACNA 4" PRESSURE CLASS.

-ENTIRE MECHANICAL SYSTEMS SHALL BE INSTALLED PER 2021 INTERNATIONAL CODES WITH 2021 SOUTH CAROLINA MODIFICATIONS EXCEPT THE ENERGY CODE SHALL BE 2009 SOUTH CAROLINA ENERGY CONSERVATION CODE. ALSO, ALL LOCAL CODES & AUTHORITY HAVING JURISDICTION SHALL APPLY.

-COORDINATION OF ALL MECHANICAL SYSTEMS WITH OTHER DISCIPLINES IS THE RESPONSIBILITY OF THE CONTRACTOR. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO INSTALLING. CONTRACTOR SHALL NOT PROCEED WITH UNCERTAINTY.

-PROVIDE PLASTIC NAMEPLATES FOR ALL EQUIPMENT SPECIFIED ON PROJECT. LABELING TAG SHALL BE SAME AS EQUIPMENT NUMBER.

-ALL EQUIPMENT, PIPE AND DUCT SHALL BE SEISMICALLY RESTRAINED PER 2021 IBC. SEISMIC RESTRAINT SYSTEMS AS MANUFACTURED BY MASON INDUSTRIES, AMBER/BOOTH OR APPROVED EQUAL WHO MUST BE A MEMBER OF VISCMA. CONTRACTOR TO PROVIDE SEISMIC CALCULATIONS AND DRAWINGS CERTIFIED AND STAMPED BY AN ENGINEER EMPLOYED BY THE MANUFACTURER. CALCULATIONS TO MEET ICC, IBC, NFPA, ASCE/SEI 7-10, SMACNA AND AUTHORITY HAVING JURISDICTION (AHJ).

-PROVIDE TESTING AND BALANCING OF ALL SYSTEMS BY A THIRD PARTY NEBB CERTIFIED T&B CONTRACTOR. SUBMIT T&B FORMS PRIOR TO PERFORMING WORK FOR APPROVAL.

-GENERAL AND MECHANICAL CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ENGINEER/ARCHITECT WITH "APPROVED" OR "APPROVED AS NOTED" STAMPS FOR ENGINEER'S 10 CALENDAR DAY REVIEW.

FAN SCHEDULE

SYMBOL	EF-1	EF-2	EF-3		
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK		
MODEL NUMBER	SP-A510-VG	SP-A510-VG	SP-B80		
AIRFLOW (C.F.M.)	300	300	75		
STATIC PRESSURE (IN.)	0.3	0.3	0.3		
DRIVE TYPE	DIRECT	DIRECT	DIRECT		
DAMPER SIZE (IN)	8x8	8x8	6"Ø		
ROOF/WALL OPENING SIZE (IN.)	10"Ø	10"Ø	6"Ø		
DISCHARGE CAP NUMBER	WC-10	WC-10	WC-6		
SONES	4.5	4.5	0.9		
MOTOR INPUT WATTS	47	47	18		
FAN R.P.M.	948	948	900		
VOLTAGE	115/60/1	115/60/1	115/60/1		
LOCATION	BATHROOM	BATHROOM	BATHROOM		
WEIGHT (EXCLUDING CURB) (LBS.)	31	31	10		

REMARKS:

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

-PROVIDE DISCONNECT SWITCH, SPEED CONTROLLER, AND GRILLE MOUNTED MOTION DETECTOR.
-COORDINATE SURFACE MOUNTED INSTALL.
-PROVIDE BRICK VENT.

ELECTRIC WALL HEATER SCHEDULE

SYMBOL	EWH-1	EWH-2	
MANUFACTURER	MARKEL	MARKEL	
MODEL NUMBER	E3321TD-RP	E3321TD-RP	
TOTAL K.W.	0.75	0.75	
B.T.U.	2560	2560	
AIR RISE (°F)	13.5	13.5	
VOLTAGE	115/60/1	115/60/1	
MOUNTING TYPE	SURFACE	SURFACE	

REMARKS:

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

-PROVIDE FORCED AIR HEATER WITH TOTALLY ENCLOSED, PERMANENTLY LUBRICATED MOTOR, MANUAL RESET THERMAL OVERLOAD, INTEGRALLY MOUNTED THERMOSTAT, INTEGRAL CIRCUIT 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.

ELECTRIC CEILING HEATER SCHEDULE

SYMBOL	ECH-1	ECH-2	
MANUFACTURER	MARKEL	MARKEL	
MODEL NUMBER	E3383D-RP	E3383D-RP	
TOTAL K.W.	1.5	1.5	
B.T.U.	5120	5120	
AIR RISE (DEG. F)	27	27	
VOLTAGE	120/60/1	120/60/1	
THROW (FT)	PER. MFR.	PER. MFR.	

REMARKS:

-PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL REQUIREMENTS.
-PROVIDE WHITE POWDER COATED 20ga GRILLE WITH STANDARD RADIAL DIFFUSER, MANUAL RESET THERMAL LIMIT, PERMANENTLY LUBRICATED TOTALLY ENCLOSED MOTOR, DISCONNECT AND INTEGRAL THERMOSTAT.
-PLASTER FRAME TRIM FOR SHEETROCK INSTALLATION
-COORDINATE SURFACE MOUNTED INSTALL.

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.

MECA
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Columbia, South Carolina 29201
Phone: (803) 765-9421
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Designed:	CAB
Approved:	PPC
Job No.:	23346
Plot Date:	03/12/2024

3/13/2024 10:10:15 AM

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3/15/2024

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Reviewed For Code Compliance:

This set of Construction Documents which, hereinbefore and after, shall be referred to as the "Documents", has been reviewed by the Lancaster County Building Inspections Department (LCBI) for compliance with the applicable codes and ordinances as adopted by Lancaster County. The Documents may be subject to other laws and ordinances of which LCBI can not be aware, concerns or state requirements that may govern or impact the construction of the facility described in the Documents. The review does not cover the adequacy of the Fire Protection Systems, Life Safety Systems, Structural Systems, or Electrical Systems.

Comments/Notes and Conditions of Approval:

Will Hoke Barrett ... Date: 03-28-2024
Plans Examiner
"For Representation of Compliance, see Letter of Record"

BUFORD BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: Project Number

Δ	DATE	DESCRIPTION

SHEET NAME: MECHANICAL SCHEDULES

ORIG SUBMISSION: 03/15/24

SHEET: M201

CONSTRUCTION DOCUMENTS

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ORIGINAL PAPER SIZE

RACEWAY MATERIAL USE TABLE

APPLICATION	RACEWAY MATERIAL								
CONTRACTOR MAY USE ANY MATERIAL MARKED (●) FOR APPLICATION LISTED. IF MATERIAL IS NOT MARKED FOR AN APPLICATION, IT SHALL NOT BE USED FOR THAT APPLICATION.	EMT	IMC	GRS	RAC	ENT	SCH 40 PVC	HDPE	AC&MC CABLE	MFD. WIRING
BRANCH CIRCUITS: CONCEALED ABOVE CEILING	●	●	●	●					
BRANCH CIRCUITS: CONCEALED IN WALLS	●	●	●	●					
BRANCH CIRCUITS: EXPOSED FROM FLOOR TO 7'-0" A.F.F. (INTERIOR)		●	●	●	NOT PERMITTED			NOT PERMITTED	NOT PERMITTED
BRANCH CIRCUITS: EXPOSED FROM 7'-0" A.F.F. AND ABOVE (INTERIOR)	●	●	●	●					
BRANCH CIRCUITS: IN OR UNDER CONCRETE FLOORS		(1) ●	(1) ●			●	●		
BRANCH CIRCUITS: OUTDOORS - BELOW GRADE		(1) ●	(1) ●			●	●		
BRANCH CIRCUITS: OUTDOORS - EXPOSED		●	●	●					
BRANCH CIRCUITS: STUB-UPS BELOW PANELS & ENCLOSURES		●	●	●					
FEEDER CONDUITS		●	●	●		(2) ●			
SERVICE ENTRANCE		●	●			(2) ●			

(1) WITH BITUMINOUS COATING. SEE SPEC.

(2) OUTDOORS - BELOW GRADE.

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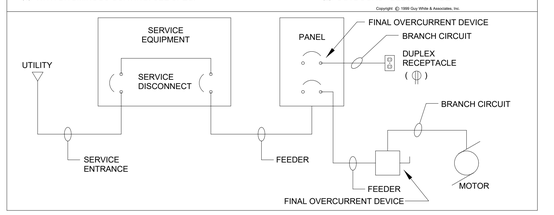

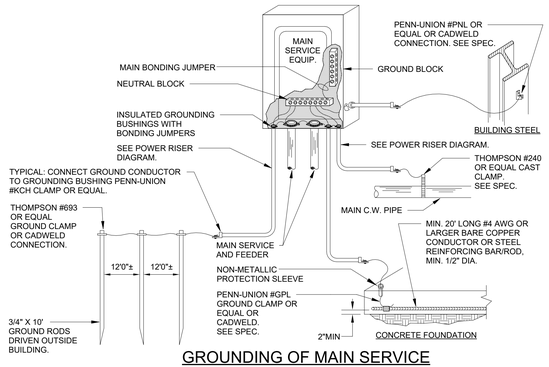

GROUNDING OF MAIN SERVICE

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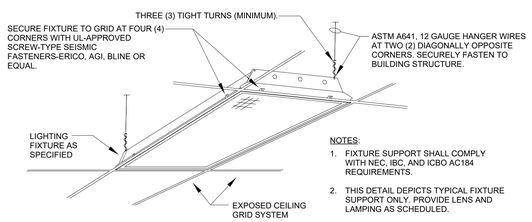

NOTES:

1. FIXTURE SUPPORT SHALL COMPLY WITH NEC, IBC, AND ICBO AC184 REQUIREMENTS.
2. THIS DETAIL DEPICTS TYPICAL FIXTURE SUPPORT ONLY. PROVIDE LENS AND LAMPING AS SCHEDULED.

RECESSED FIXTURE - TYPICAL HANGER SUPPORT

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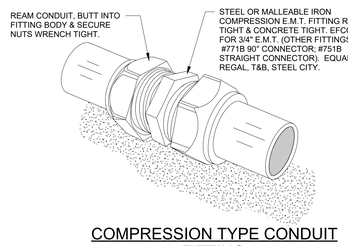

COMPRESSION TYPE CONDUIT FITTING

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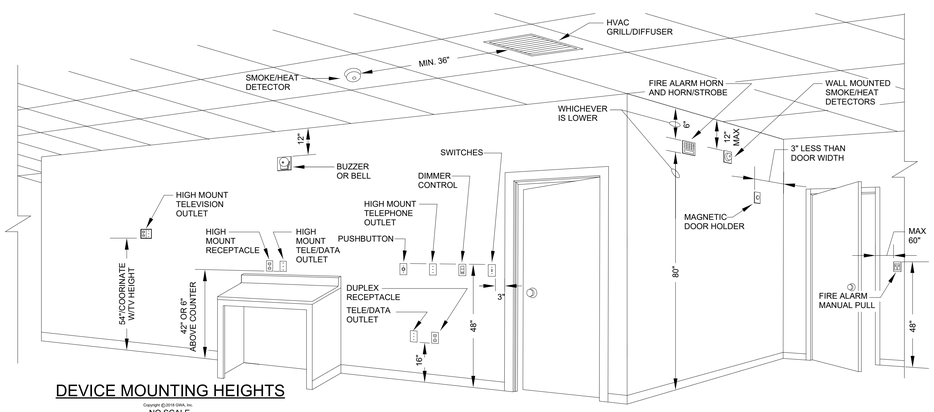

DEVICE MOUNTING HEIGHTS

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ABBREVIATIONS

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THE FOLLOWING STANDARD ABBREVIATIONS ARE USED IN THESE PLANS AND SPECIFICATIONS. CONTRACTOR IS CAUTIONED THAT ALL ABBREVIATIONS LISTED MAY NOT BE USED; CONSULT PLANS AND SPECIFICATIONS FOR ABBREVIATIONS APPLICABLE TO THIS PROJECT.

A.F.F.	ABOVE FINISHED FLOOR
B.F.F.	BELOW FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
B.F.G.	BELOW FINISHED GRADE
U.N.O.	UNLESS NOTED OTHERWISE
CKT.	CIRCUIT
C.	CONDUIT
E.C.	EMPTY CONDUIT
FLX.	FLEXIBLE CONDUIT
WFLX	WEATHERPROOF FLEXIBLE CONDUIT
EWC	ELECTRIC WATER COOLER
EHWH	ELECTRIC WATER HEATER
VF	VENTILATING FAN
CEF	CEILING EXHAUST FAN
AHU	AIR HANDLING UNIT
FCU	FAN COIL UNIT
CU	CONDENSING UNIT
RTU	ROOF TOP HEATING/COOLING UNIT
CT	COOLING TOWER
P	PUMP
EBH	ELECTRIC BASEBOARD HEATER
EDH	ELECTRIC DUCT HEATER
RAC	ROOM AIR CONDITIONING/HEATING UNIT
FURN	FURNACE
BLR	BOILER
CHLR	CHILLER
HUM	HUMIDIFIER
INC	INCINERATOR
HP	HEAT PUMP OR HORSEPOWER
EUH	UNIT HEATER, ELECTRIC
GUH	UNIT HEATER, GAS-FIRED
OUH	UNIT HEATER, OIL-FIRED
GIUH	UNIT HEATER, GAS-FIRED INFRARED
SUH	UNIT HEATER, STEAM
EIUH	UNIT HEATER, ELECTRIC INFRARED

BRANCH CIRCUIT WIRING - HASMARK CODE

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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 -

- TWO WIRES (NO HASHMARKS)
- 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.

GENERAL NOTES

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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 CONDUIT AND EQUIPMENT HANGERS. OBTAIN APPROVAL OF GENERAL CONTRACTOR PRIOR TO REMOVAL.
11. COORDINATE WITH OTHER TRADES TO CONCEAL ELECTRICAL WORK AND PROVIDE OUTLETS IN CORRECT LOCATIONS FOR EACH PIECE OF MECHANICAL OR ELECTRICAL EQUIPMENT CONNECTED.
12. COORDINATE DEVICE REQUIREMENTS AND MOUNTING HEIGHTS FOR ELECTRIC WATER COOLERS, HAND DRYERS, SINKS, THRU-WALL UNITS AND THE LIKE WITH EQUIPMENT FURNISHED.
13. CONCEAL OUTLETS FOR ALL EQUIPMENT IN FINISHED AREAS. OBTAIN ROUGHING DIAGRAMS FOR ALL EQUIPMENT AND INSTALL ELECTRICAL WORK IN LOCATIONS AND HEIGHTS ACCORDING TO DIAGRAMS.
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 METHODS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SMOKE PARTITIONS.
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.

ELECTRICAL SYMBOLS

LIGHTING FIXTURE. CEILING (—) WALL MOUNT)	TOGGLE SWITCH
FIXTURE INDICATED, CONNECTED TO EMERGENCY POWER SOURCE	WEATHERPROOF TOGGLE SWITCH
LIGHTING FIXTURE	MOTOR RATED TOGGLE SWITCH
LIGHTING FIXTURE, CONNECTED TO EMERGENCY POWER SOURCE	WALL SWITCH - OCCUPANCY SENSOR 48" UP
EXIT LIGHT	CEILING MOUNTED OCCUPANCY SENSOR
EMERGENCY LIGHT UNIT	CONNECTION TO EXISTING CIRCUIT
FLOODLIGHT	BRANCH CIRCUIT RACEWAY - CONCEALED IN WALL OR CEILING
TRANSFORMER	BRANCH CIRCUIT RACEWAY - CONCEALED IN FLOOR OR UNDERGROUND
PANELBOARD	BRANCH CIRCUIT RACEWAY - EXPOSED
SAFETY SWITCH	TYPICAL: SYMBOLS DENOTE EXISTING. REMOVE COMPLETE.
FLUSH JUNCTION BOX CEILING (—) WALL)	TYPICAL: "X" ON PLAN SYMBOLS DENOTES EXISTING. REMOVE COMPLETE.
PULL BOX OR JUNCTION BOX IN FLOOR	
PHOTOCELL, 1800VA U.N.O., AIM NORTH.	
TRANSIENT VOLTAGE SURGE SUPPRESSOR(TVSS)	
ELECTRIC MOTOR	
CONDUIT STUB	
DUPLEX RECEPTACLE (HIGH MOUNT)	
WP WEATHERPROOF DUPLEX RECEPTACLE. 16" UP	
GFI GROUND FAULT INTERRUPTER RECEPTACLE	

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

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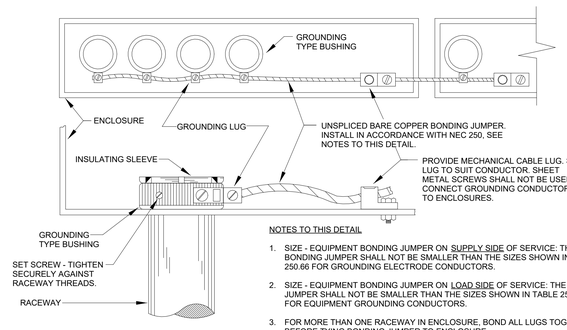
ELECTRICAL SPECIFICATIONS

1. PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND OPERATIONS AS REQUIRED FOR A COMPLETE, SAFE AND 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.
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.



NOTES TO THIS DETAIL

1. SIZE - EQUIPMENT BONDING JUMPER ON SUPPLY SIDE OF SERVICE: THE BONDING JUMPER SHALL NOT BE SMALLER THAN THE SIZES SHOWN IN TABLE 250.66 FOR GROUNDING ELECTRODE CONDUCTORS.
2. SIZE - EQUIPMENT BONDING JUMPER ON LOAD SIDE OF SERVICE: THE BONDING JUMPER SHALL NOT BE SMALLER THAN THE SIZES SHOWN IN TABLE 250.122 FOR EQUIPMENT GROUNDING CONDUCTORS.
3. FOR MORE THAN ONE RACEWAY IN ENCLOSURE, BOND ALL LUGS TOGETHER BEFORE TYING BONDING JUMPER TO ENCLOSURE.
4. BOND BOTH ENDS OF EACH CONDUIT 1"C. AND LARGER.
5. EXTEND BONDING JUMPER TO EACH PANEL INCLUDING TWO-SECTION PANELS WITH FEED-THRU NIPPLES.

GROUNDING OF CONDUITS 1" C. AND LARGER

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LANCASTER COUNTY SCHOOL DISTRICT Putting our children first

Lancaster County School District

LS3P
701-A LADY STREET
COLUMBIA, SOUTH CAROLINA 29201
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07.25.2024

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BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME: ELECTRICAL SYMBOLS, SCHEDULES AND DETAILS

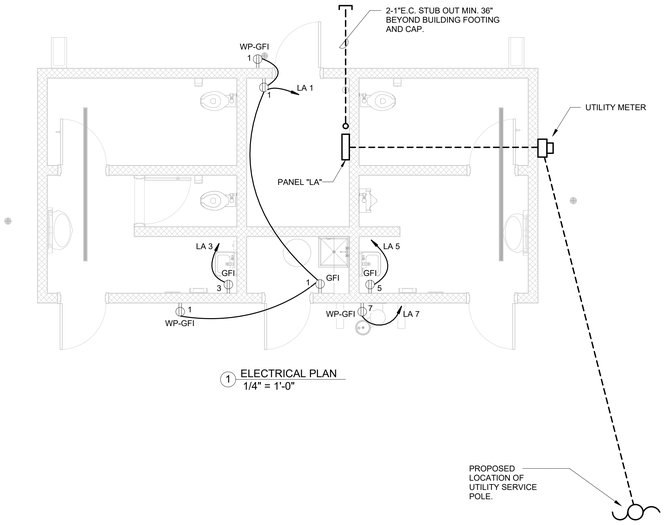
ORIG SUBMISSION: 07/25/24

SHEET: E001

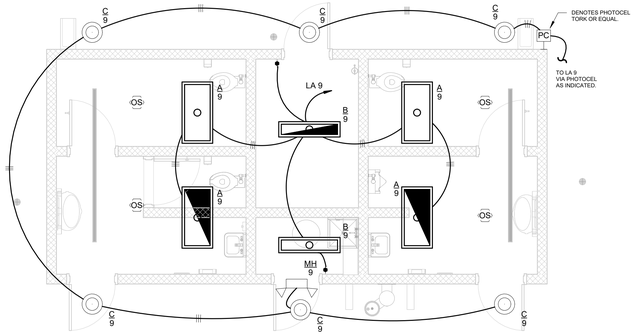
CONSTRUCTION DOCUMENTS

7/25/2024 11:23:32 AM

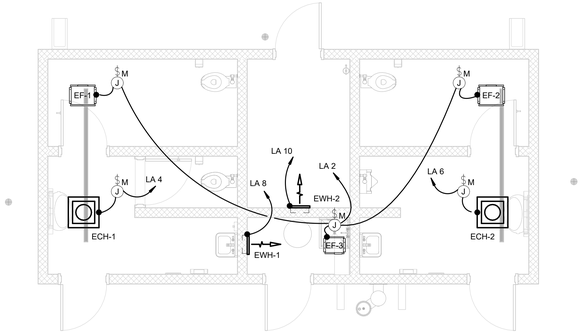
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH WHEN THE SHEETS DIGITAL PLOT SIZE



1 ELECTRICAL PLAN
1/4" = 1'-0"



2 LIGHTING PLAN
1/4" = 1'-0"



3 ELECTRICAL SYSTMES PLAN
1/4" = 1'-0"

Panel: LA **Voltage:** 120/240 Single, 1PH, 3W **A.I.C. Rating:** 10K
AMP 100 A **Type:** NQOD **Feed-Thru Lugs** No
Mains Type: MCB **Mounting** SURFACE **Total Spaces** 24

CKT	Circuit Description	AMP	PH	Wire	COND	A	B	A	B	COND	Wire	PH	AMP	Circuit Description	CKT
1	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2"	0.7		0.1		1/2"	1-#12, 1-#12, 1-#12	1	20 A	EF-1, EF-2, EF-3	2
3	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2"		1.0		1.5	1/2"	1-#12, 1-#12, 1-#12	1	20 A	ECH-1	4
5	RECEPTACLES	20 A	1	1-#12, 1-#12, 1-#12	1/2"	1.0		1.5		1/2"	1-#12, 1-#12, 1-#12	1	20 A	ECH-2	6
7	EWC	20 A	1	1-#12, 1-#12, 1-#12	1/2"		0.4		0.8	1/2"	1-#12, 1-#12, 1-#12	1	20 A	EWH-1	8
9	LIGHTING	20 A	1	1-#12, 1-#12, 1-#12	1/2"	0.3		0.8		1/2"	1-#12, 1-#12, 1-#12	1	20 A	EWH-2	10
11	SPARE	20 A	1	--			0.0		0.0		--	1	20 A	SPARE	12
13	SPARE	20 A	1	--		0.0		0.0			--	1	20 A	SPARE	14
15															16
17															18
19															20
21								0.0			--	2	30 A	SPD/TVSS	22
23									0.0	--	--	--	--	--	24
					Total Load:	4 kVA			0 kVA						
					Total KVA:	8057 VA			34 A						

Notes:

LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	WATTAGE	NOTES
A	2' x 4' EDGE-LIT FLAT PANEL	LITHONIA	EPANL-2X4-4000LM-80CRI-MIN10-ZT	120	38	RECESSED-GYP. CEILING. PROVIDE FLANGE ADAPTER AS REQUIRED FOR RECESSED MOUNTING.
B	LED STRIP LIGHT	LITHONIA	CSS-L48-4000LM-80CRI	120	35	SURFACE-CEILING.
C	6" OPEN LED DOWNLIGHT	LITHONIA	WF6 DREG SM ALO20 SWW5 90CRI MW M6	120	16	RECESSED-CEILING. DAMP LOCATION RATED.
MH	EXTERIOR EMERGENCY EGRESS FIXTURE	LITHONIA	WLTU-GY-MR-ELA-WG	120	6	EMERGENCY LIGHTS. MINIMUM 90-MINUTE RATING. PROVIDE MOUNTING PER PLANS. SURFACE MOUNT. AIM TO ILLUMINATE EXTERIOR EGRESS PATH.

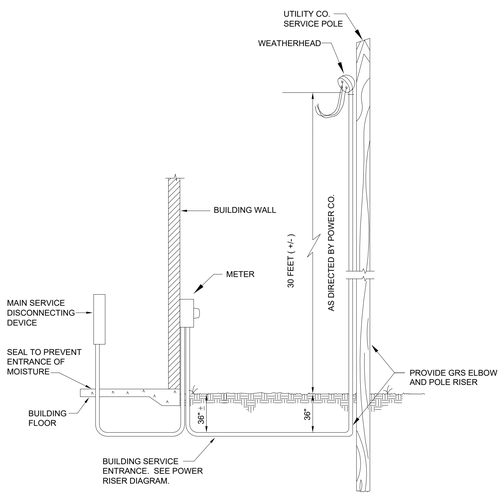
NOTES TO LIGHTING FIXTURE SCHEDULE

1. LOCATE ALL FIXTURES IN STRICT ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
2. PROVIDE ALL HALF-SHADED FIXTURES WITH EMERGENCY BATTERY UNIT, BODINE, IOTA, DUAL-LITE OR EQUAL. BATTERY UNITS SHALL BE DESIGNED AND RATED FOR USE WITH LED LUMINAIRES AND OF APPROPRIATE TYPE AND WATTAGE TO SUIT LED DRIVERS FURNISHED - MINIMUM 90 MINUTE RATING. CONNECT COMPLETE TO UPON CIRCUIT FAILURE, ON SWITCH ON-OFF WITH ROOM/AREA LIGHTING AND REGARDLESS OF SWITCH POSITION.

NOTES TO OCCUPANCY SENSORS

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

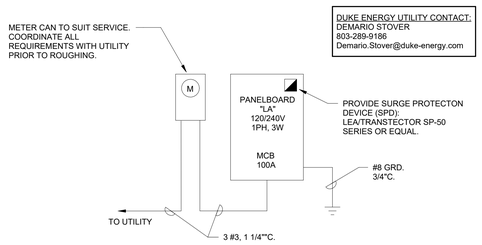
1. SENSOR LOCATIONS ARE SCHEMATIC 0NLY AND LOCATIONS SHOWN ARE INTENDED TO INDICATE AREA TO BE CONTROLLED BY SENSORS. PROVIDE ACTUAL QUANTITY, LOCATION AND TYPE OF SENSOR AS REQUIRED TO PROVIDE FULL COVERAGE FOR EACH SPACE INDICATED. SEE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
2. ALL LAYOUTS AND INSTALLATION SHALL BE BASED ON APPROVED VENDOR SHOP DRAWINGS. ROUGH ONLY FROM THESE SHOP DRAWINGS AND COMPLY WITH ALL MANUFACTURER INSTALLATION INSTRUCTIONS.
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.



NOTE: CONTRACTOR SHALL COORDINATE WITH POWER SUPPLIER AND COMPLY WITH ALL REQUIREMENTS FOR SERVICE AND METERING.

UNDERGROUND SERVICE ENTRANCE

NOT TO SCALE



DUKE ENERGY UTILITY CONTACT:
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Demario.Stover@duke-energy.com

POWER RISER DIAGRAM

NO SCALE

7/25/2024 11:23:33 AM

LANCASTER COUNTY SCHOOL DISTRICT
Putting our children first

Lancaster County School District

LS3P
701-A LADY STREET
COLUMBIA, SOUTH CAROLINA 29201
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07.25.2024

GWA, INC. ELECTRICAL ENGINEERS No. C00825

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LS3P ASSOCIATES LTD. Form 10.18.2018
J.C. Walchak Jr. Date: 07.25.2024
Registered Architect

BUFORD HS BASEBALL RESTROOM

4290 Tabernacle Rd, Lancaster, SC 29720

DISTRICT FIVE PROJECT: 2014-012
LS3P PROJECT: 2201-231925

Δ	DATE	DESCRIPTION

SHEET NAME:
ELECTRICAL PLANS

ORIG SUBMISSION: 07/25/24

SHEET: E101

CONSTRUCTION DOCUMENTS

23346.00
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