

UNIVERSITY OF SOUTH CAROLINA ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD STREET, COLUMBIA SC, 29201
ARCHITECT'S PROJECT NUMBER 12.130.09

DATE DRAWING ISSUED - JUNE 5, 2014

RE-BID SET



DESIGN TEAM

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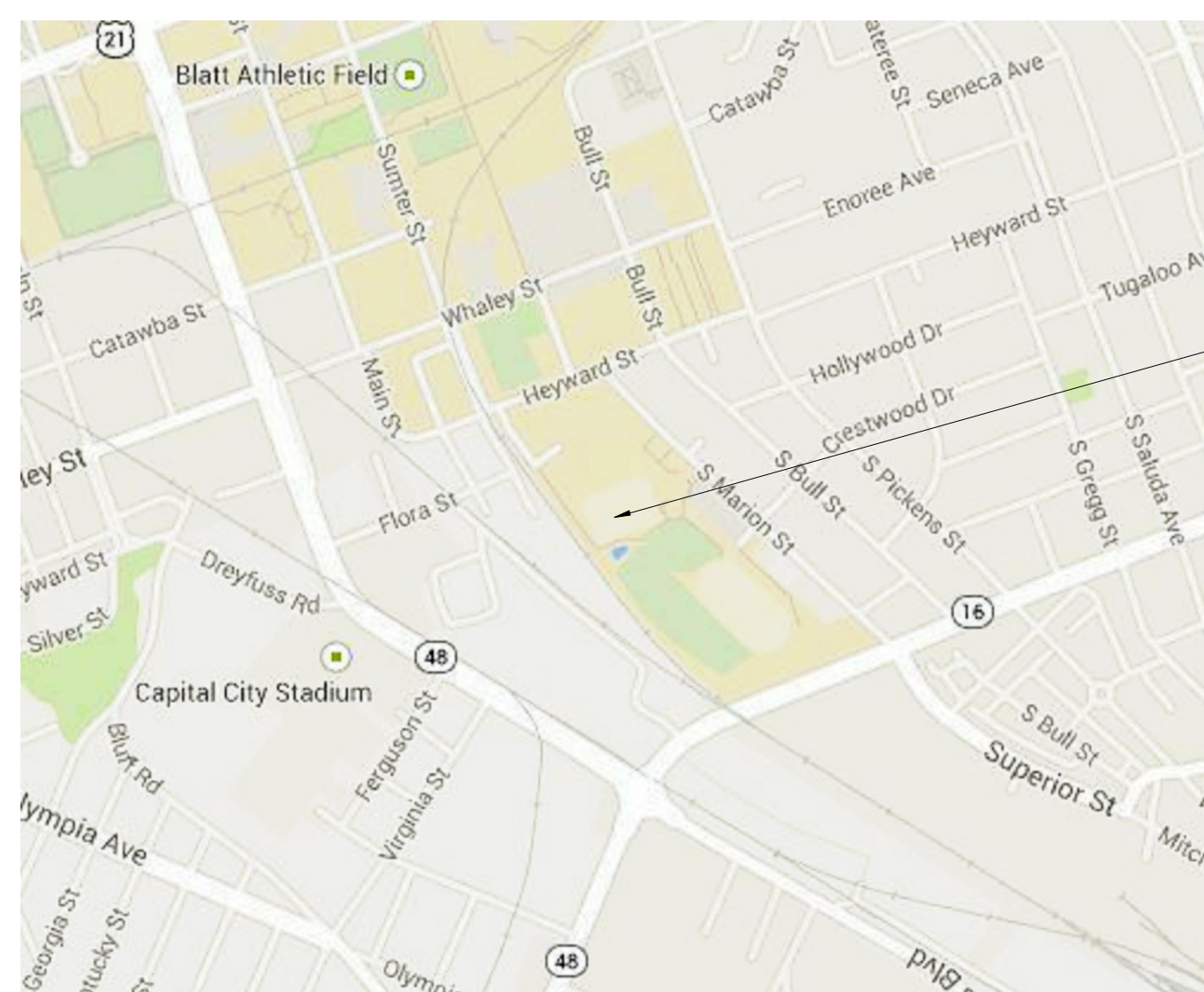
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IRMO, SC 29063
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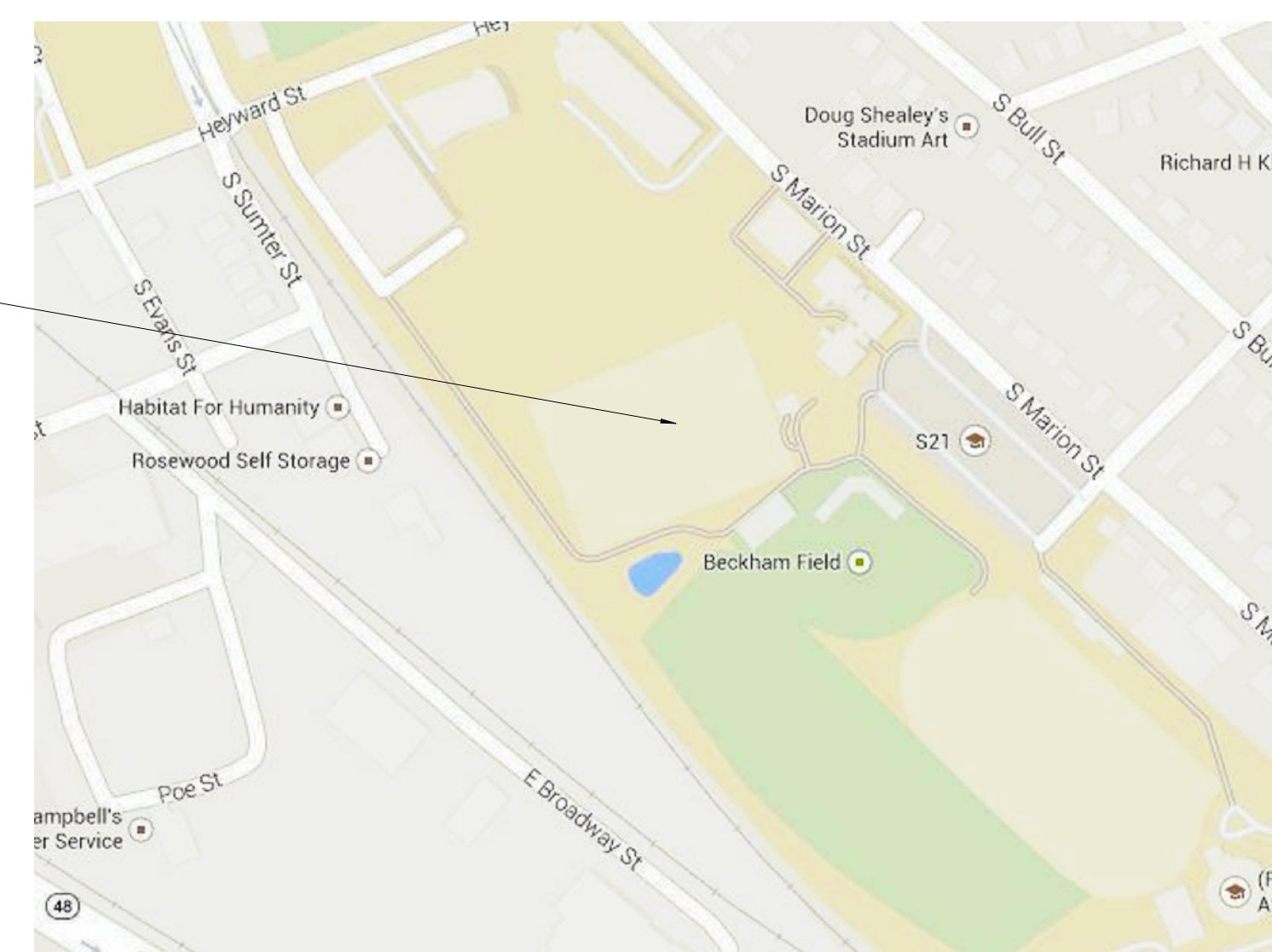
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T: 803-731-0650
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LOCATOR MAPS



PROJECT SITE



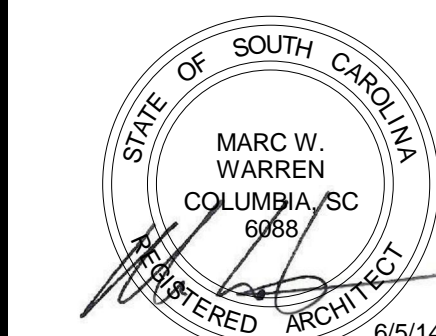
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CORPORATE SEAL



A/E SEAL



PROJECT TITLE

**UNIVERSITY
OF SOUTH
CAROLINA**

**ATHLETIC
VILLAGE
TENNIS
COMPLEX
ADDITION**

1316 HEYWARD ST.
COLUMBIA, SC 29201

RE-BID SET

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NO REVISIONS

NO	REVISION	DATE

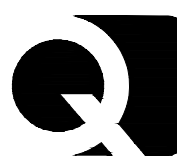
SHEET INFORMATION

Date 06/05/2014
Project No. 12.130.09
Scale
Drawn By KBF
Checked By MWW
State Project # H27-6102-AU

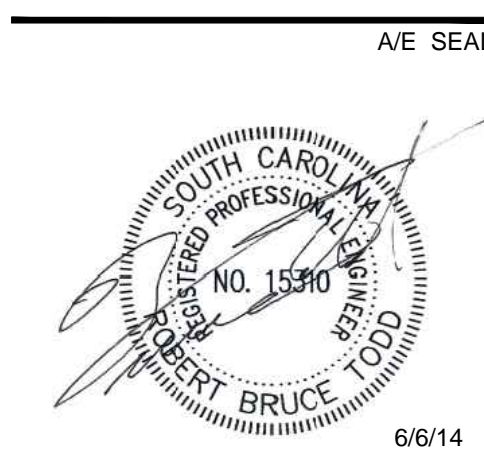
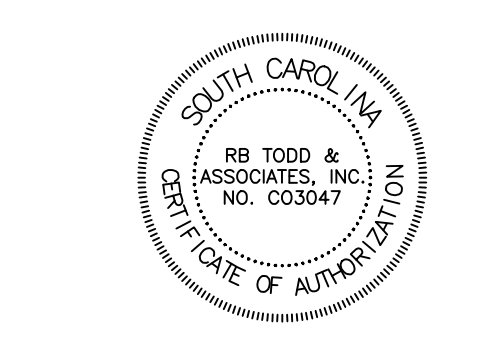
**COVER
SHEET /
DRAWING
INDEX**

SHEET NO.

G0.0



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ARCHITECTS & PLANNERS
1217 Hampton Street T. 803.771.2999
Columbia, SC 29201 F. 803.771.2858



UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

STATE PROJECT No. H27-6102-MJ
1916 HEYWARD ST
COLUMBIA, SC

BID SET

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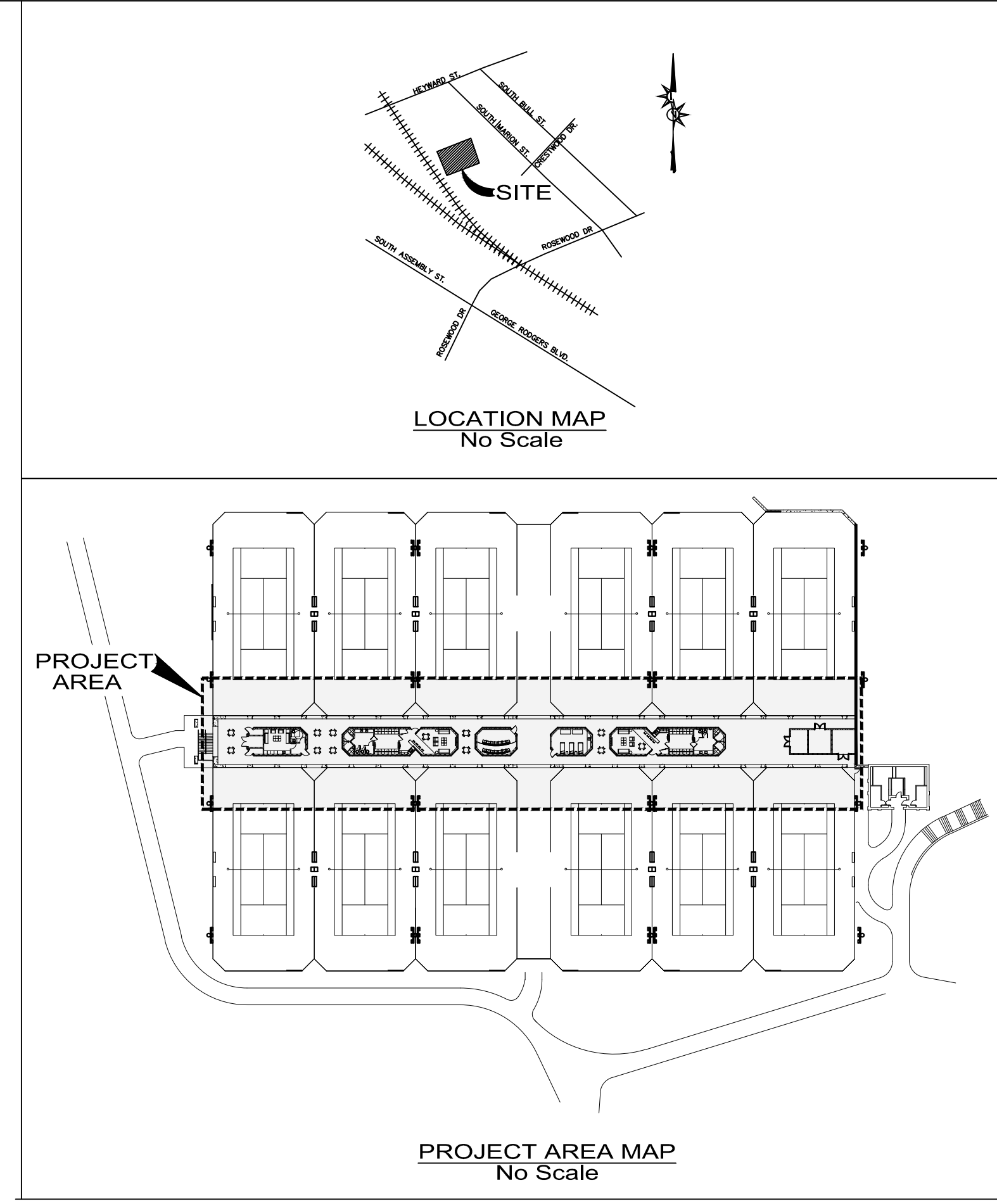
REVISIONS		
NO.	REVISION	DATE

SHEET INFORMATION		
Date	06/06/14	
Project No.	12.130.09	
Scale	1" = 20'	
Drawn By	SNN	
Checked By	RBT	
State Project #	CP00371744/FM00424821	
TITLE		

EXISTING CONDITIONS & DEMOLITION PLAN

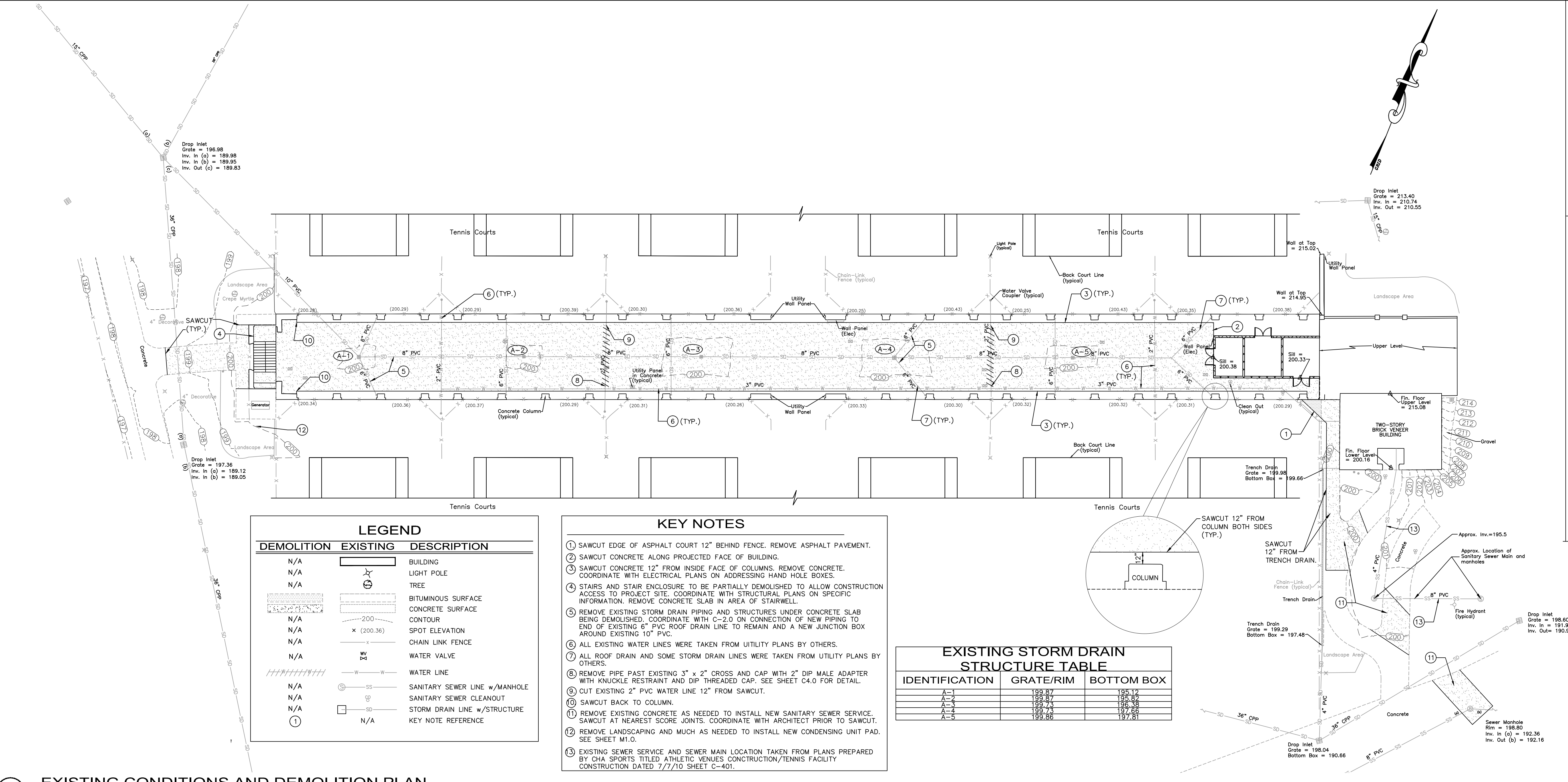
STAKING PLAN

SHEET NO. **C1.0**

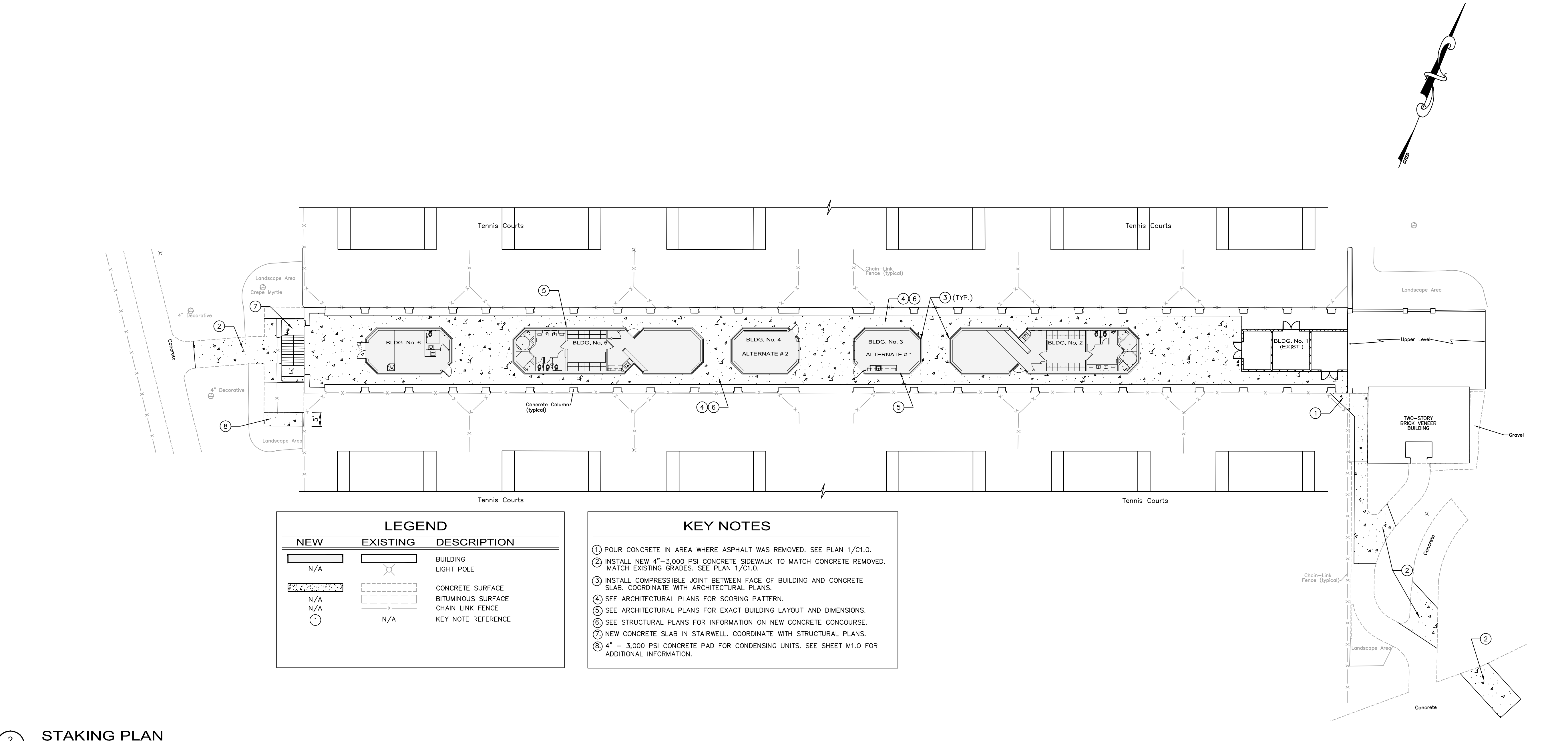


- GENERAL NOTES**
- SURVEY INFORMATION PROVIDED BY SURVEY ONE, LLC, DATED 01/20/14.
 - CONTOUR INTERVAL: 1 FOOT
 - DATUM: NAVD83
 - PROPERTY INFORMATION
TMS# R11305-14-19
OWNER: UNIVERSITY OF SOUTH CAROLINA
DEVELOPMENT ADDRESS: MARRON ST., COLUMBIA SC 29201
CONTACT: ANN DERRICK
PHONE NO.: 803-777-5811
EMAIL: ADERRICK@MC.SC.EDU
ZONING: C-1
TOTAL ACREAGE: 32.77 AC.
DISTURBED AREA: 0.20 AC.
 - ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45079C 0094H, DATED 02/20/02, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".
 - ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM.
 - THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL SITE CONDITIONS.
 - THE CONTRACTOR SHALL NOTIFY PUPS AT 811 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL UNDERGROUND UTILITIES LOCATED.
 - ALL WORK BY PRIME CONTRACTOR AND SUBCONTRACTORS SHALL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND ENFORCING ALL OSHA SAFETY REGULATIONS.

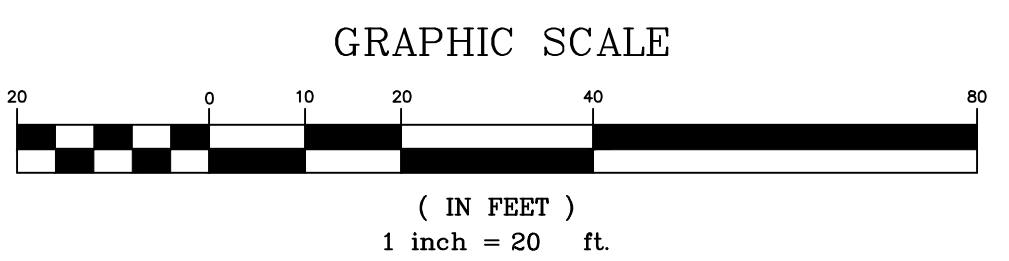
SPECIAL NOTE:
CONTRACTOR AND SUBCONTRACTORS ARE NOT ALLOWED ACCESS TO THE EXISTING TENNIS COURTS. ENTRY ON TO THE COURTS IS STRICTLY PROHIBITED. DAMAGE TO EXISTING IMPROVEMENTS OUTSIDE OF THE CONSTRUCTION AREA SHALL BE REPAIRED BY THE CONTRACTOR TO THE OWNER'S SATISFACTION.



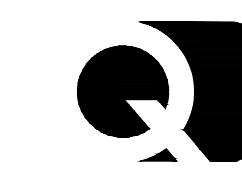
1 C1.0 EXISTING CONDITIONS AND DEMOLITION PLAN



2 C1.0 STAKING PLAN



1" = 20'



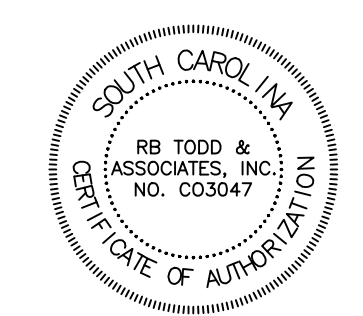
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CORPORATE SEAL



A/E SEAL



6/6/14

PROJECT TITLE

UNIVERSITY
OF SOUTH
CAROLINA

ATHLETIC
VILLAGE
TENNIS
COMPLEX
ADDITION

STATE PROJECT No.
H27-6102-MJ

1916 HEYWARD ST
COLUMBIA, SC

BID SET

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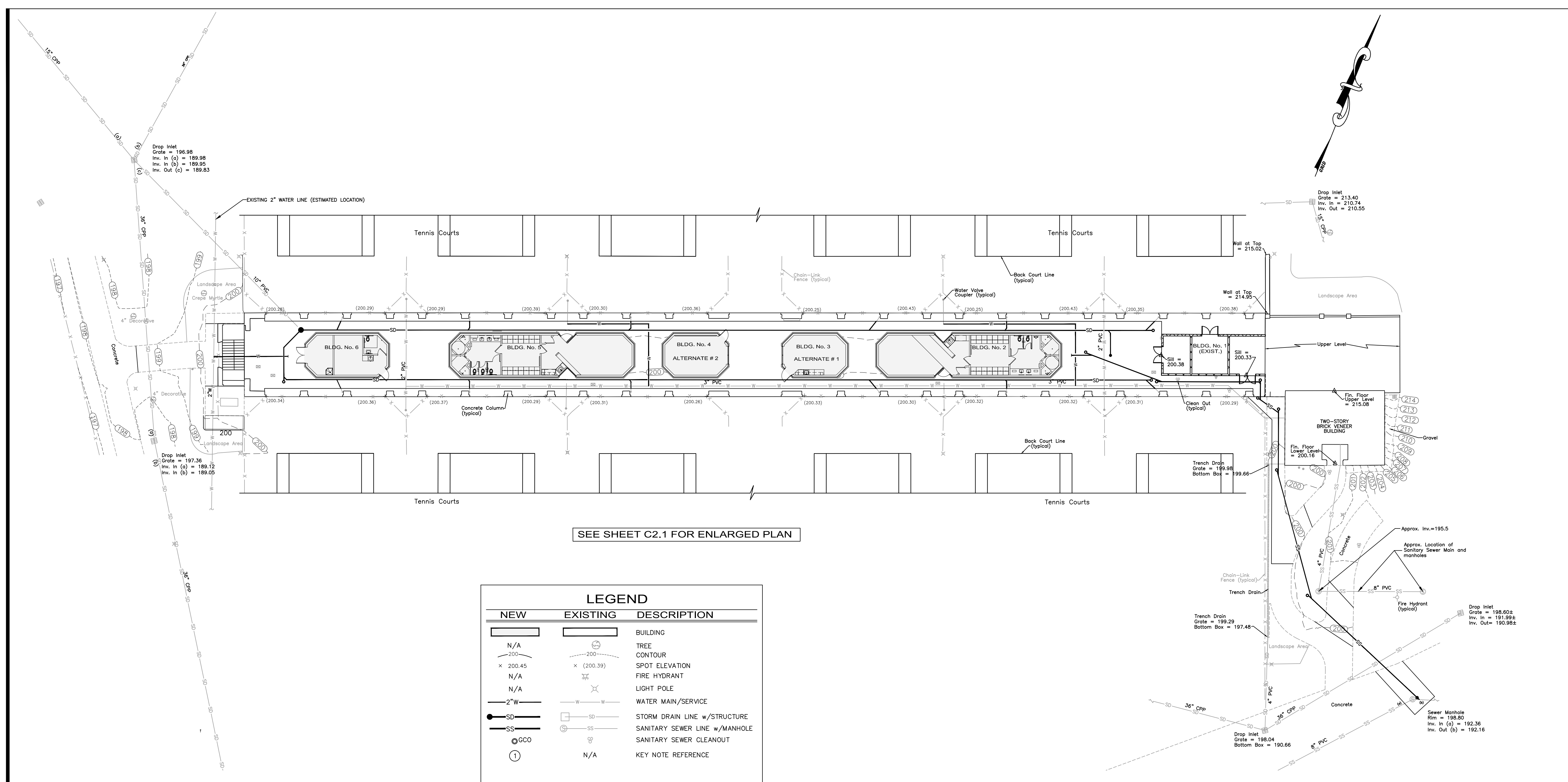
REVISIONS		
NO	REVISION	DATE

SHEET INFORMATION	
Date	06/06/14
Project No.	12.130.09
Scale	1" = 20'
Drawn By	SNM
Checked By	RBT
State Project #	CP00371744/FM00424821

TITLE
GRADING AND
UTILITIES PLAN

SHEET NO.

C2.0

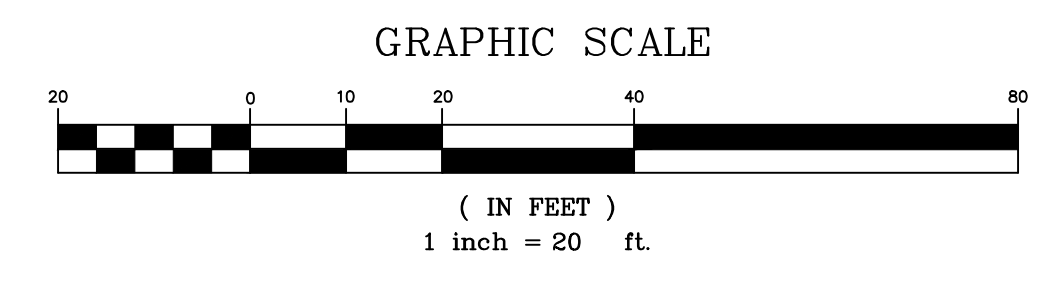


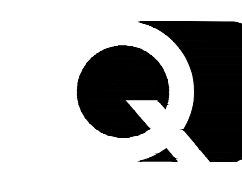
SEE SHEET C2.1 FOR ENLARGED PLAN

NEW	EXISTING	DESCRIPTION
[Symbol]	[Symbol]	BUILDING
[Symbol]	[Symbol]	TREE
[Symbol]	[Symbol]	CONTOUR
[Symbol]	[Symbol]	SPOT ELEVATION
[Symbol]	[Symbol]	FIRE HYDRANT
[Symbol]	[Symbol]	LIGHT POLE
[Symbol]	[Symbol]	WATER MAIN/SERVICE
[Symbol]	[Symbol]	STORM DRAIN LINE w/STRUCTURE
[Symbol]	[Symbol]	SANITARY SEWER LINE w/MANHOLE
[Symbol]	[Symbol]	SANITARY SEWER CLEANOUT
[Symbol]	[Symbol]	KEY NOTE REFERENCE

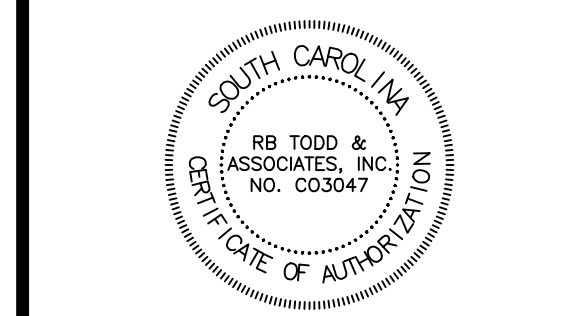
1 C2.0 GRADING AND UTILITIES PLAN

1" = 20'





CORPORATE SEAL



A/E SEAL



6/8/14

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REVISIONS

NO	REVISION	DATE

SHEET INFORMATION

Date	06/06/14
Project No.	12.130.09
Scale	1" = 10'
Drawn By	SNN
Checked By	RBT
State Project #	CP00371744/FM00424821

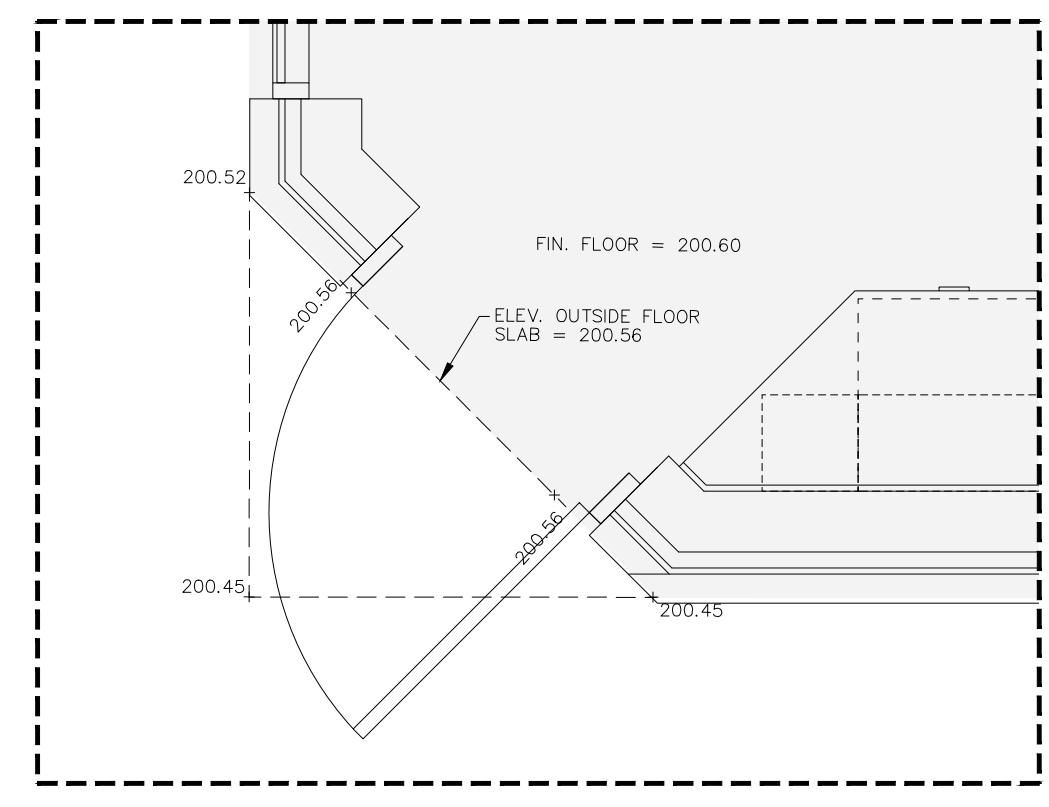
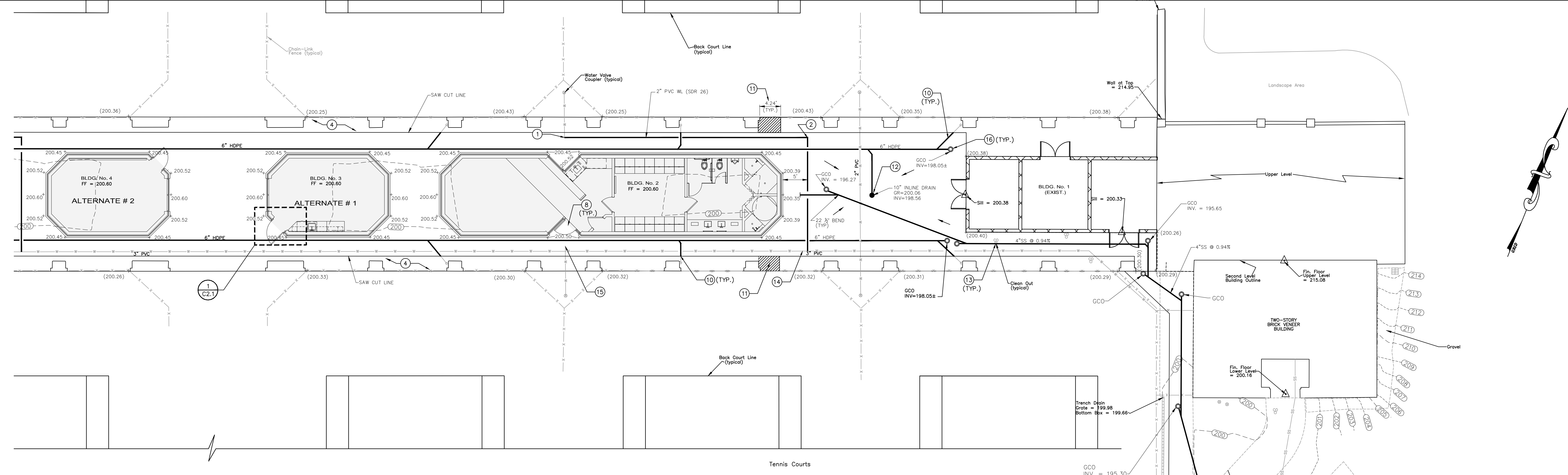
GRADING AND UTILITIES PLAN -ENLARGED

TITLE

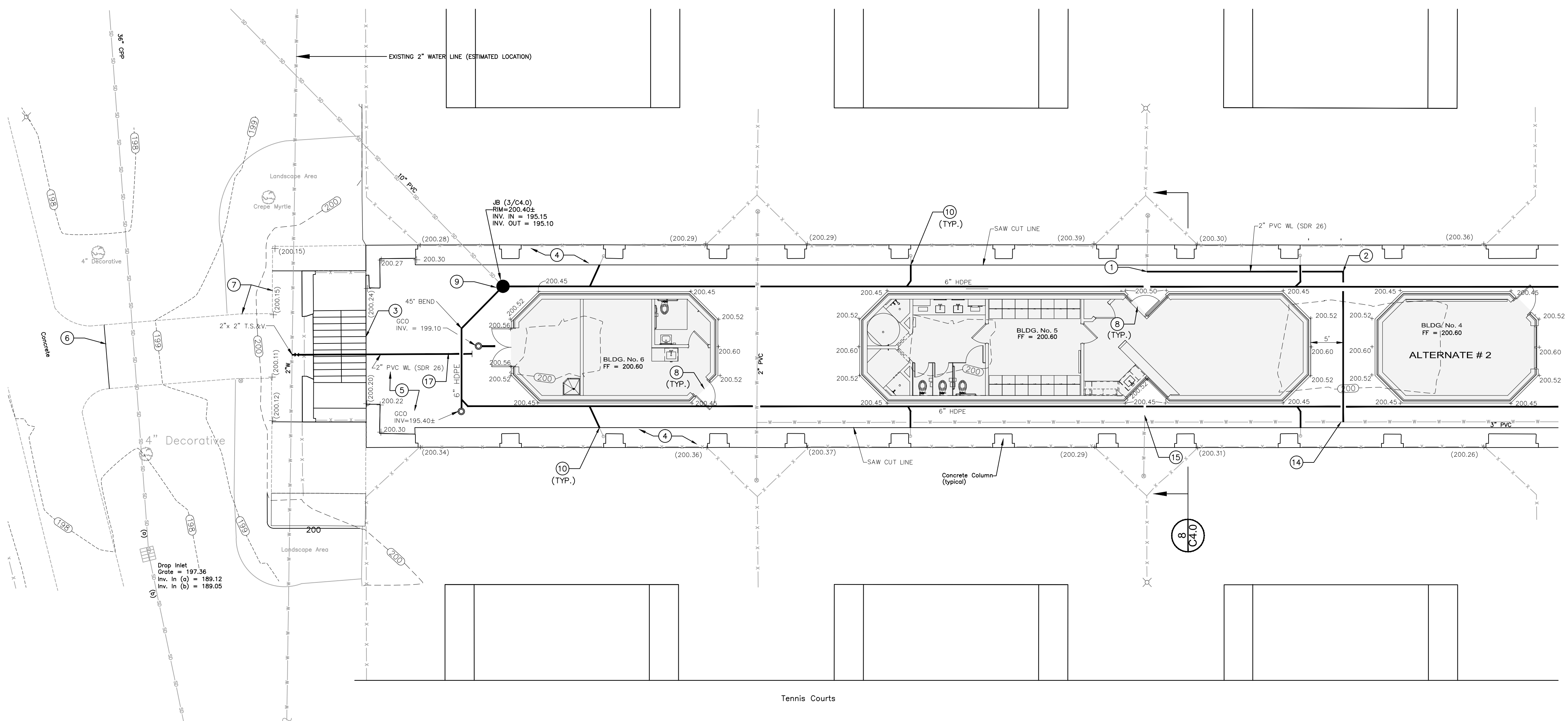
9606/14
12.130.09
1" = 10'
SNN
RBT
CP00371744/FM00424821

SHEET NO.

C2.1



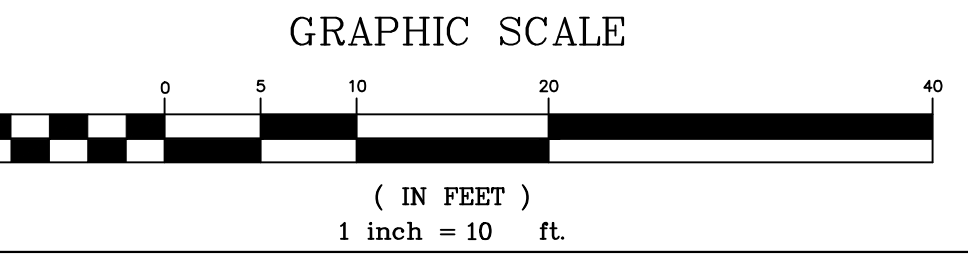
ENLARGEMENT (TYP.)
SCALE: 1" = 2'



LEGEND

NEW	EXISTING	DESCRIPTION
N/A	(Symbol)	BUILDING
(Symbol)	(Symbol)	TREE CONTOUR
(Symbol)	(Symbol)	SPOT ELEVATION
(Symbol)	(Symbol)	FIRE HYDRANT
N/A	(Symbol)	LIGHT POLE
(Symbol)	(Symbol)	WATER MAIN/SERVICE
(Symbol)	(Symbol)	STORM DRAIN LINE w/STRUCTURE
(Symbol)	(Symbol)	SANITARY SEWER LINE w/MANHOLE
(Symbol)	(Symbol)	SANITARY SEWER CLEANOUT
(Symbol)	(Symbol)	KEY NOTE REFERENCE

- GENERAL NOTES**
- ALL SPOT GRADES AND GENERAL INFORMATION ON THIS PLAN APPLIES TO ALL BUILDINGS.
 - CONTRACTOR TO "STRAIGHT GRADE" BETWEEN ALL SPOT ELEVATIONS INDICATED ON THE PLAN.
 - CONTRACTOR TO NOTIFY THE ENGINEER ONCE CONCRETE FORMS ARE INSTALLED AND PRIOR TO POUR.
 - TEMPORARY DRAINAGE PIPING DURING CONSTRUCTION, IF NEEDED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. LINES SHALL BE KEPT CLEAN AND CLEAR OF SEDIMENT.



- KEY NOTES**
- INSTALL A 2"-90° BEND AND TIE TO EXISTING 2" LINE.
 - INSTALL THRUST BLOCKING AT ALL WATER LINE BENDS. (SEE DETAIL).
 - MATCH CONCRETE PAD ELEVATIONS IN STAIRWELL PRIOR TO DEMOLITION.
 - EXISTING CONCRETE BETWEEN ASPHALT TENNIS COURTS AND SAW CUT LINE TO BE FINISHED WITH EPOXY COATING TO ADJUST GRADES AND PROVIDE DRAINAGE BETWEEN BUILDING SPOT GRADES AND SPOT GRADES AT COLUMNS AND STAIRWELL PAD. SEE STRUCTURAL PLANS.
 - STRAIGHT GRADE BETWEEN BUILDING SPOT GRADES AND SPOT GRADES AT COLUMNS AND STAIRWELL PAD.
 - CONNECT TO EXISTING SAW CUT SIDEWALK SECTION.
 - NEW CONCRETE SIDEWALK AND PAD TO MATCH PRE-DEMOLITION GRADES.
 - SPOT ELEVATION AT ALL DOOR THRESHOLD EQUAL TO 200.56 UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO CONFIRM LOCATION AND ELEVATION OF 10" PVC STORM DRAIN LINE PRIOR TO INSTALLING JUNCTION BOX AND NEW 6" STORM DRAIN LINES. COORDINATE WITH ENGINEER.
 - CONNECT TO END OF EXISTING 6" HDPE AND WYE INTO NEW 6" HDPE HEADER.
 - TRANSITION EPOXY FILLER FROM REQUIRED THICKNESS ON WESTERN END TO ZERO ON EASTERN END. NEW CONCRETE POUR TO MATCH SAWN CUT ELEVATION ON EASTERN END AND DRAIN BACK TO DRAIN BASIN.
 - IN-LINE DRAIN TO BE CENTERED BETWEEN BUILDINGS (EAST/WEST) AND TENNIS COURTS (NORTH/SOUTH). SLOPE CONCRETE FROM SPOT GRADES TO DRAIN GRATE.
 - AN EXISTING 3" SANITARY SEWER LINE EXTENDS FROM BUILDING NO. 1 AND ENTERS THE WESTERN FACE OF THE TWO STORY BRICK VENEER BUILDING. CONTRACTOR TO LOCATE EXACT ROUTE OF EXISTING SEWER LINE AFTER CONCRETE IS REMOVED AND COORDINATE WITH ENGINEER. WYE EXISTING 3" LINE INTO NEW 4" SEWER SERVICE IF NEEDED TO AVOID CONFLICT AND PLUG END OF REMAINING LINE.
 - TAP THE EXISTING 3" WATER LINE BY INSTALLING A 3"x2" TAPPING SADDLE (ROMAC #2025 (3.5'00) OR APPROVED EQUAL). USE A 2" DIP MALE ADAPTER AND A 2" DIP KNUCKLE RESTRAINT TO TIE THE NEW 2" LINE TO THE TAPPING SADDLE.
 - INSTALL A 2" PLUG ON THE 2" SIDE OF THE CROSS WHICH WAS DEMOLISHED. SEE KEY NOTE # 8 ON SHEET C1.0.
 - CONTRACTOR TO VERIFY INVERT ELEVATION OF EXISTING 6" DRAIN LINE PRIOR TO SETTING NEW CLEAN OUT AND IN-LINE DRAIN.
 - INSTALL 2" PVC (SDR 26) WATER LINE. EXTEND TO MECHANICAL ROOM AND STOP 5' FROM BUILDING. COORDINATE WITH BUILDING CONTRACTOR. BFP TO BE LOCATED INSIDE BUILDING.



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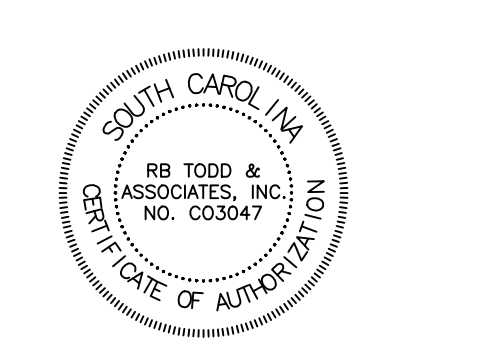
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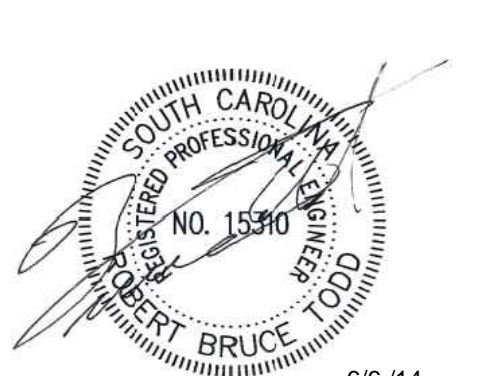
CORPORATE SEAL



PROFESSIONAL SEAL



PROJECT TITLE



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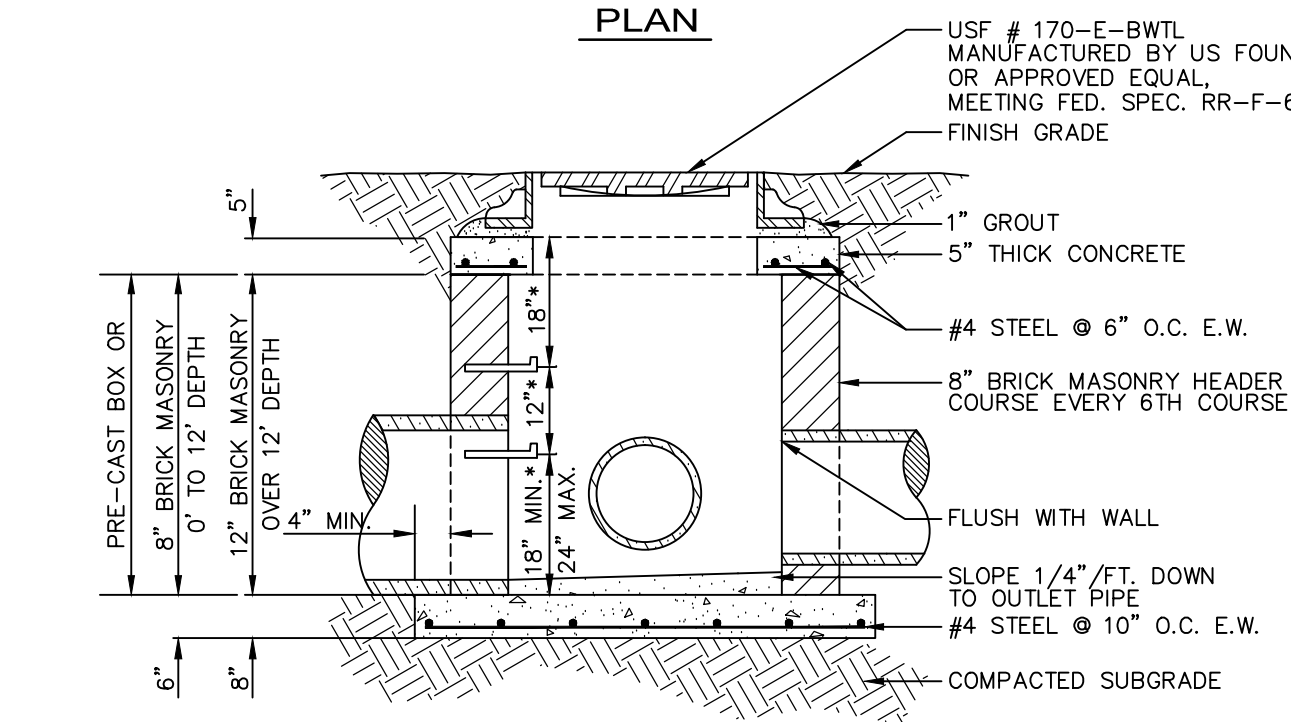
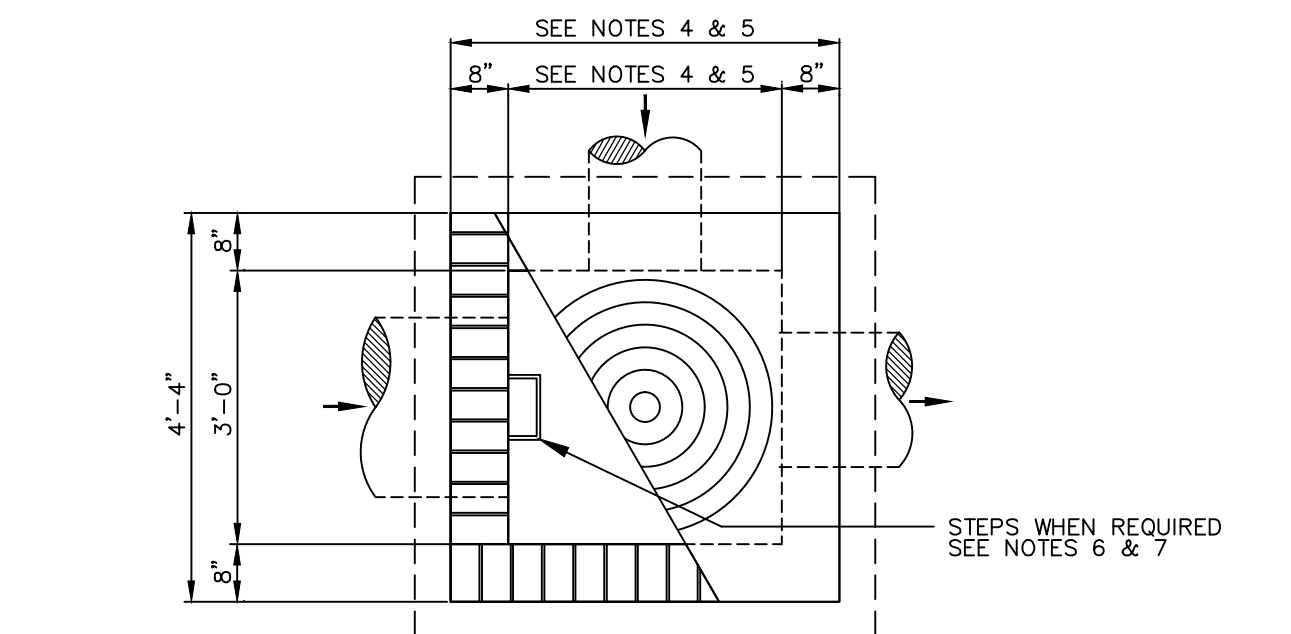
1916 HEYWARD ST
COLUMBIA, SC

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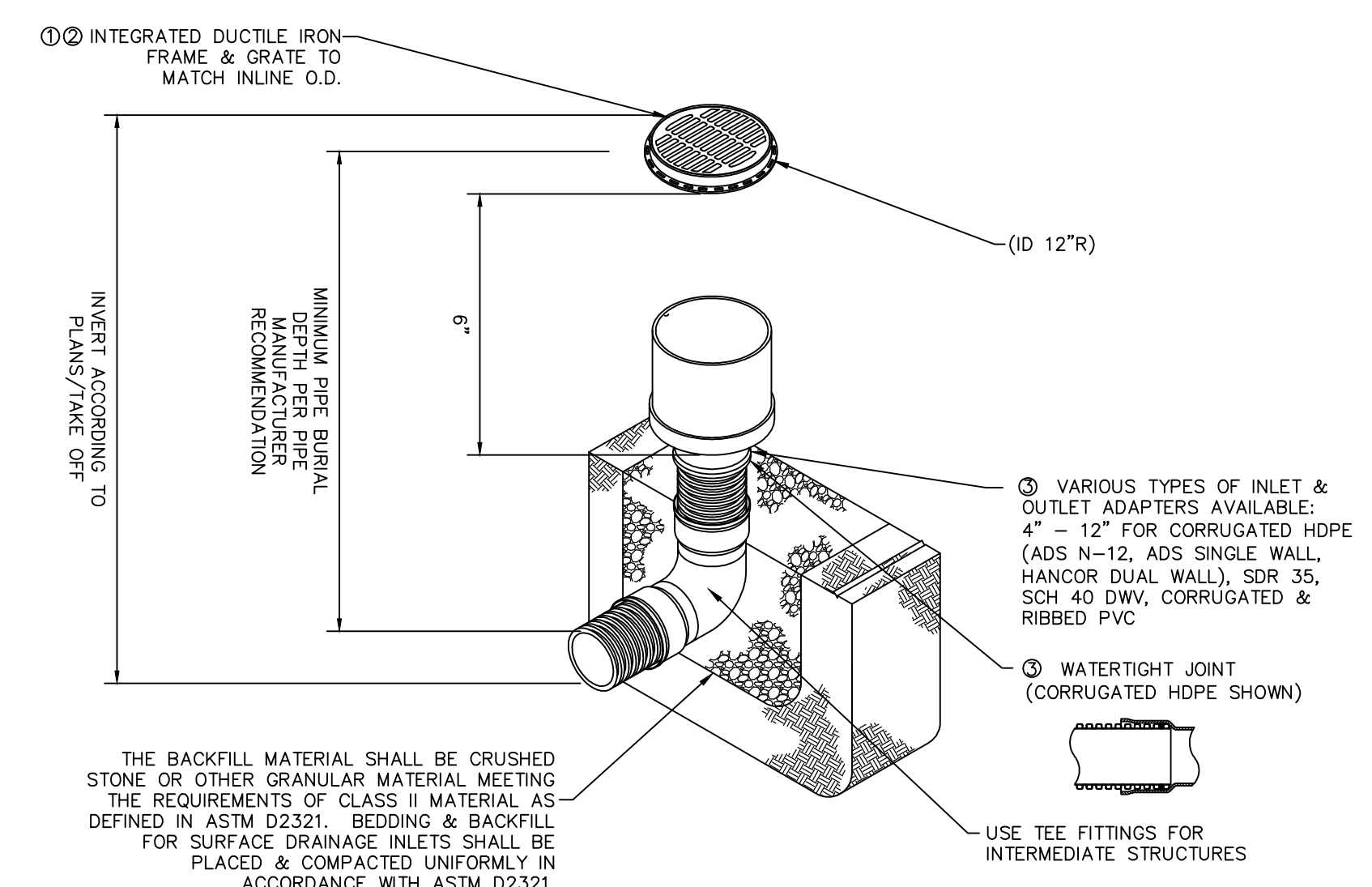
1916 HEYWARD ST
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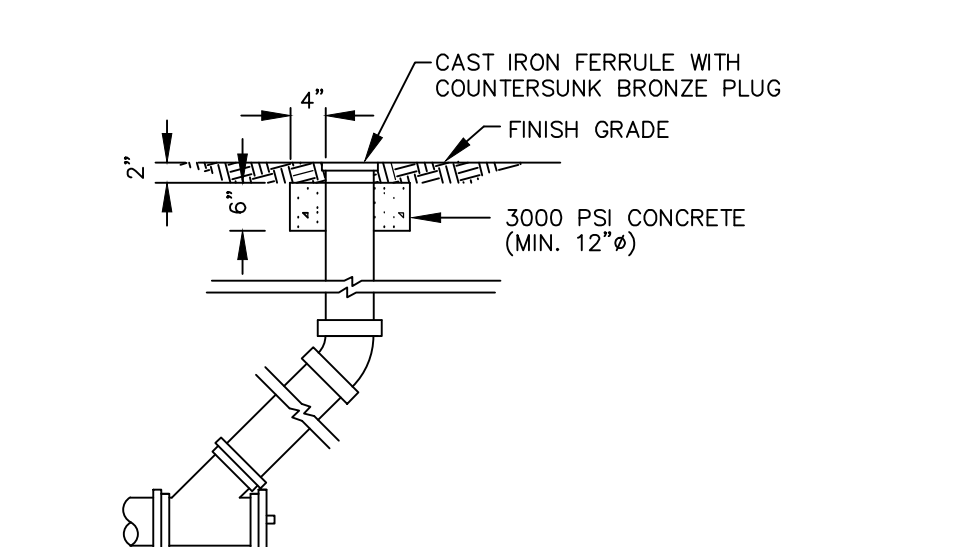
- NOTES: 1. ALL CONCRETE SHALL BE 3,000 PSI. 2. ENDS OF ALL PIPES SHALL BE FLUSH WITH INSIDE WALL. 3. ALL STEEL BARS SHALL BE PLACED 1-1/2" CLEAR FROM BOTTOM AND SIDES OF SLAB. 4. FOR 15" - 24" I.D. PIPES USE 3" x 3" x 3" BOX. 5. FOR PIPES OVER 24" I.D. BOX INSIDE DIMENSIONS SHALL BE PIPE O.D. + 6" EACH SIDE OF PIPE. 6. STEPS CONFORMING TO ASTM C478 SHALL BE REQUIRED WHEN STRUCTURE DEPTH IS GREATER THAN 4'-6". 7. ALL STEPS SHALL BE PLACED 12" O/C AND PROTRUDE 4" FROM INSIDE FACE OF STRUCTURE WALL. 8. CONCRETE BRICK WALLS SHALL HAVE A 1/4" MORTAR COAT ON INSIDE SURFACE. 9. WALL THICKNESS IS TO BE 12" IF BOX DEPTH EXCEEDS 12'-0". 10. ALL MATERIALS AND CONSTRUCTION ARE TO COMPLY WITH SECTION 720 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. 11. REINFORCED CONCRETE MAY BE SUBSTITUTED FOR BRICK WALLS. REINFORCING TO BE #4 BARS @ 12" E.W.

3 JUNCTION BOX NOT TO SCALE

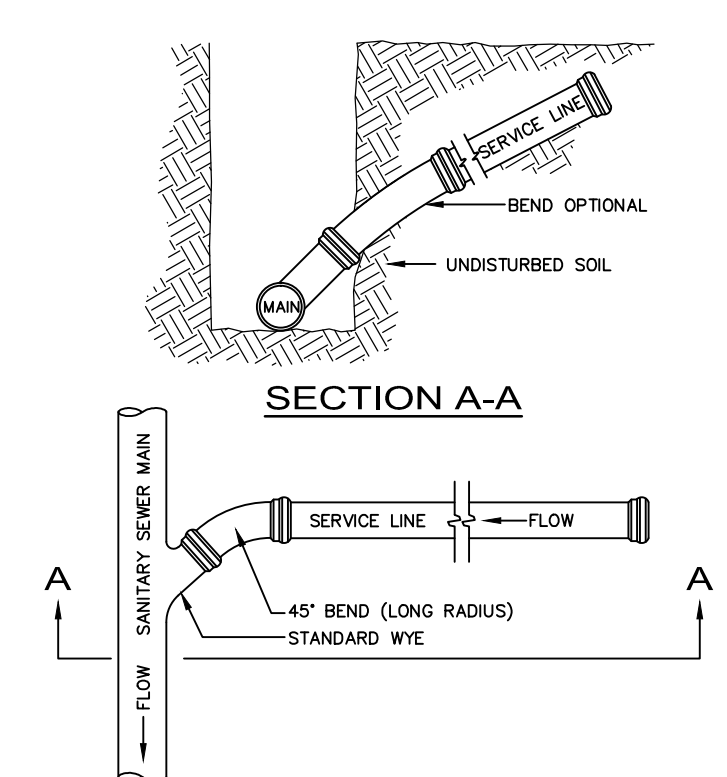


- NOTES: 1. GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05 WITH THE EXCEPTION OF THE BRONZE GRATE. 2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCO DUAL WALL) & SDR 35 PVC.

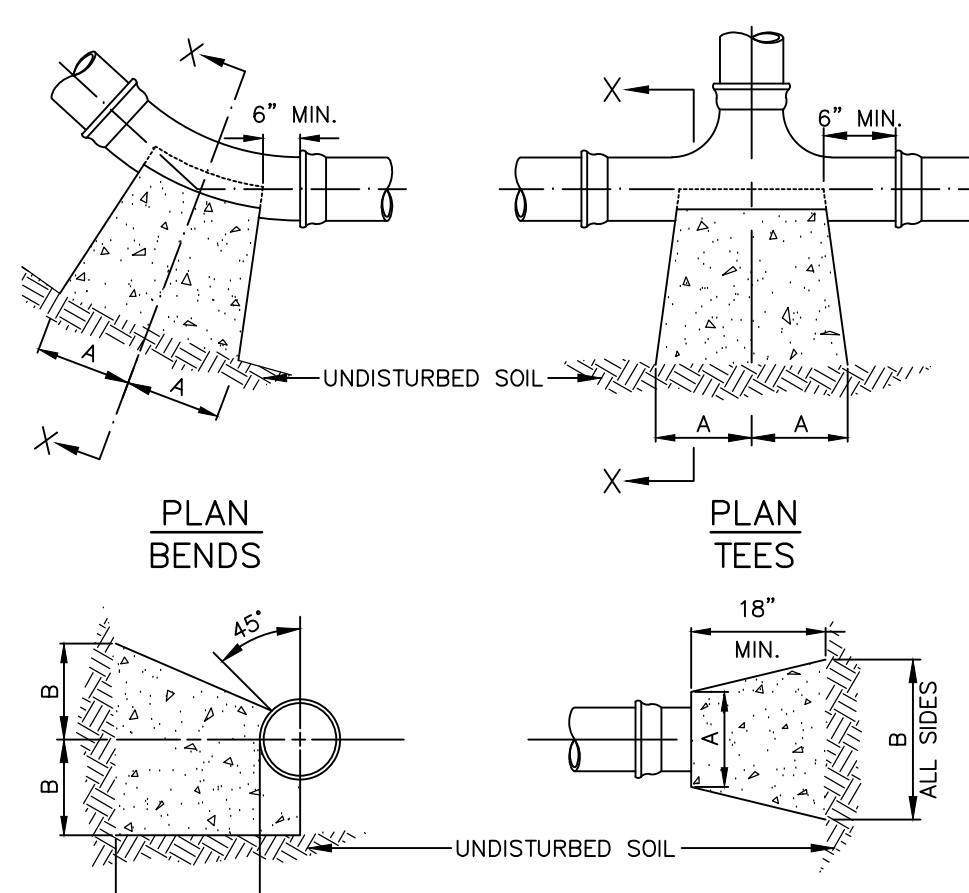
4 10" INLINE DRAIN NOT TO SCALE



1 SANITARY CLEANOUT NOT TO SCALE



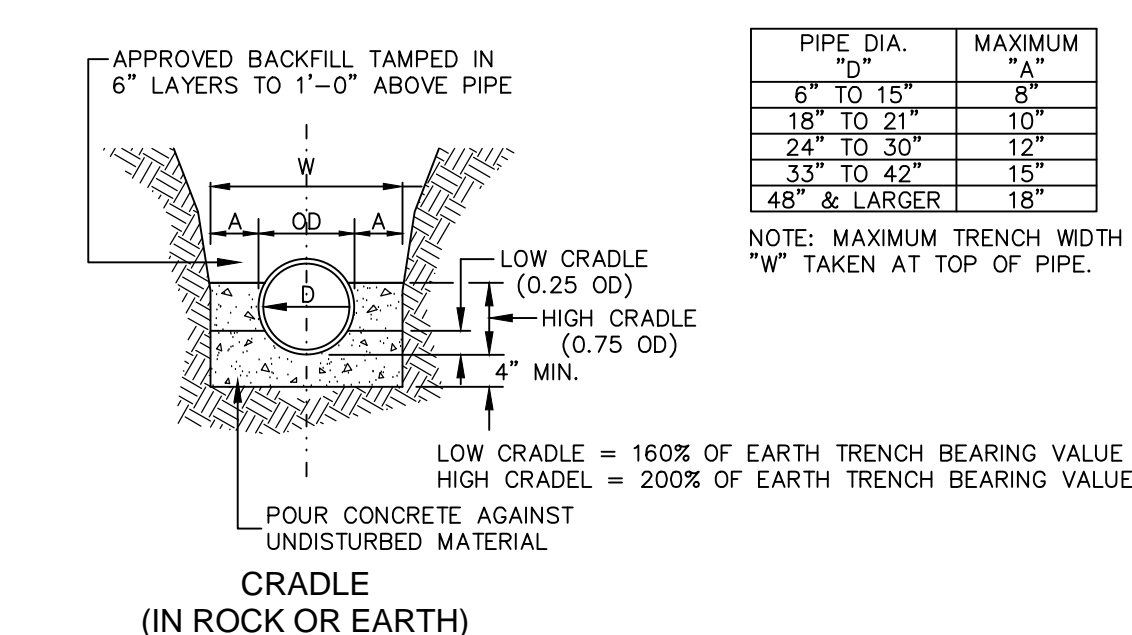
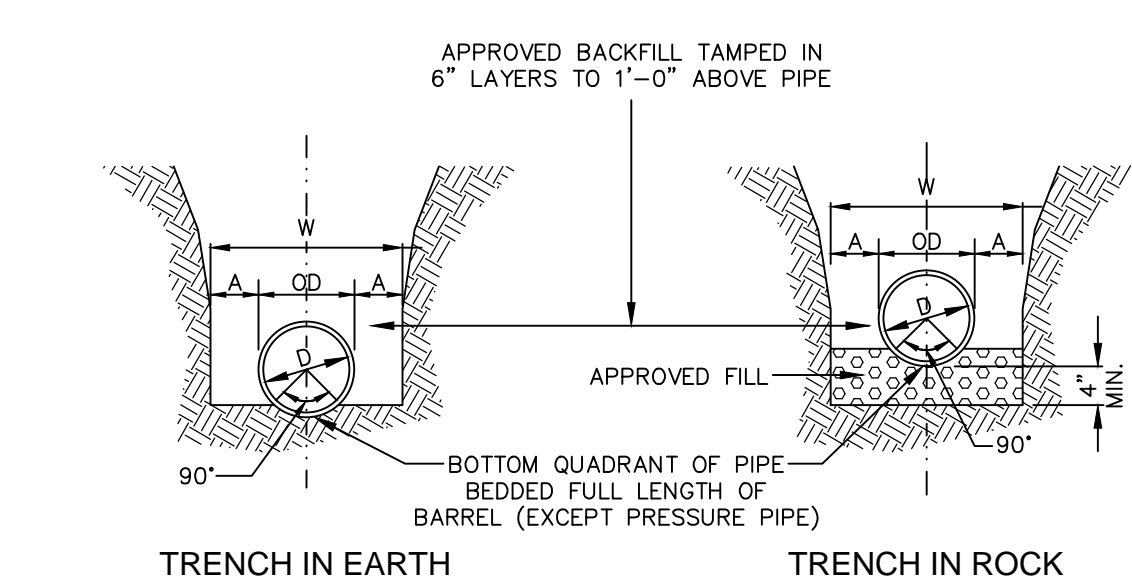
2 SANITARY SEWER SERVICE NOT TO SCALE



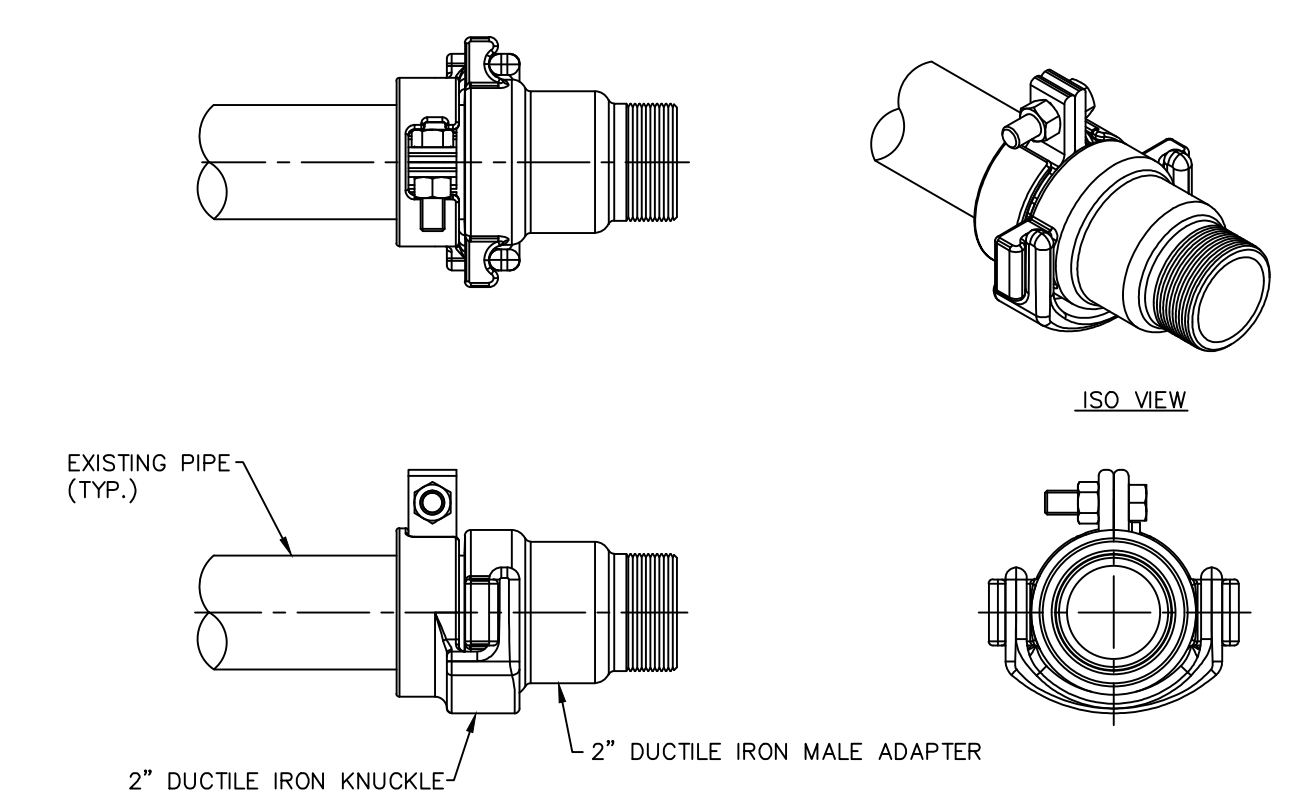
SECTION X-X BENDS & TEES

Table with columns for PIPE SIZE, 90° BEND, 45° BEND, 22-1/2° BEND, TEE, and PLUG. Rows for 4000 PSI SOIL and 2000 PSI SOIL.

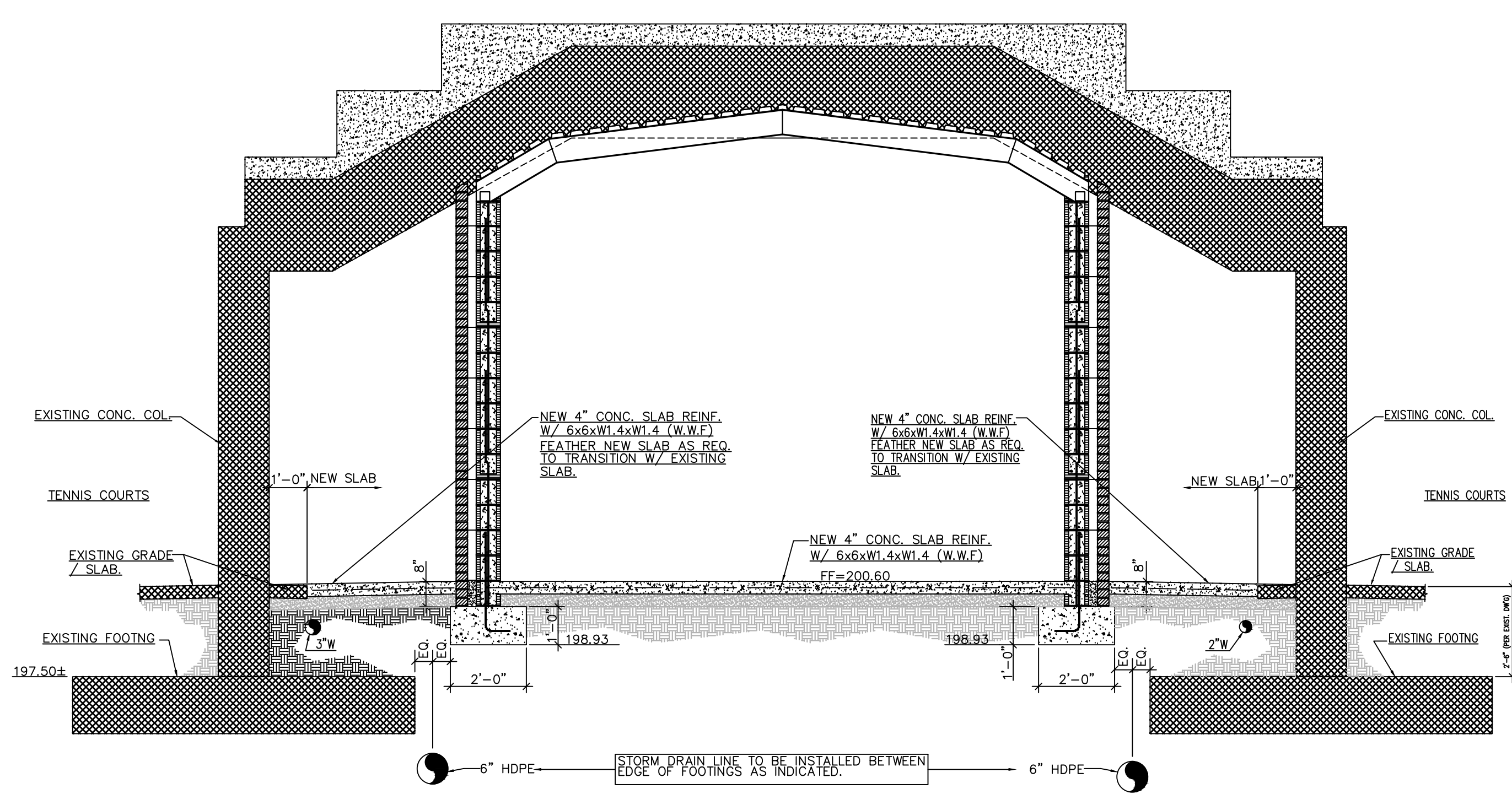
5 WATER MAIN THRUST BLOCKS



6 STANDARD PIPE TRENCH BEDDING NOT TO SCALE



7 2" DUCTILE IRON MALE ADAPTER W/KNUCKLE NOT TO SCALE



8 SECTION NOT TO SCALE

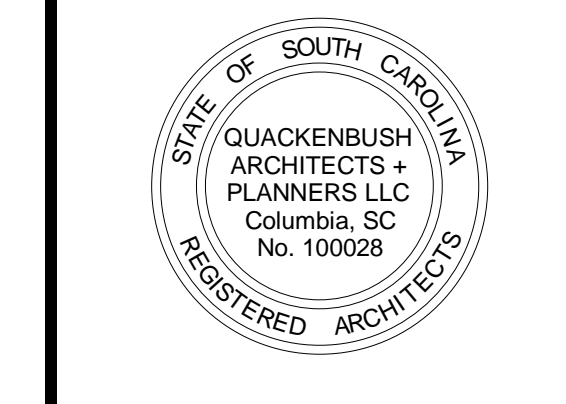
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DETAILS

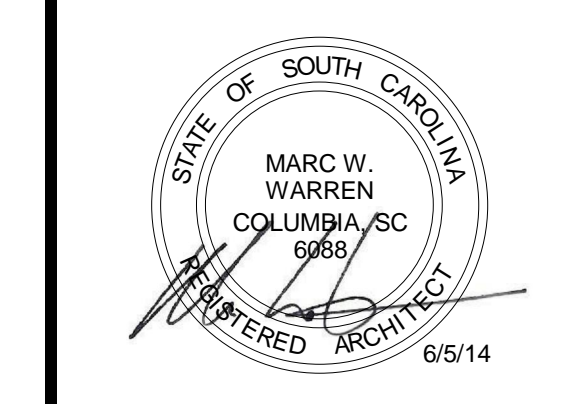
C4.0



CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST. COLUMBIA, SC 29201

RE-BID SET

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Table with 2 columns: NO, REVISION, DATE. Includes a section for REVISIONS.

SHEET INFORMATION

Table with 2 columns: Date, Project No., Scale, Drawn By, Checked By, State Project #.

ABBREVIATIONS, SYMBOLS & GENERAL NOTES

ABBREVIATIONS, SYMBOLS & GENERAL NOTES

A0.0

REFLECTED CEILING LEGEND

ACUSTIC CEILING PANEL AND GRID, GYP. BOARD CEILING, CEILING MATERIAL AND HEIGHT, CEILING LIGHT FIXTURES, DIFFUSER / SUPPLY RETURN / EXHAUST, SMOKE AND HEAT DETECTORS, EXIT SIGN, SPRINKLER HEAD.

GENERAL NOTES

- 1. NOTES APPEAR ON VARIOUS DRAWINGS FOR DIFFERENT SYSTEMS AND MATERIALS. REVIEW ALL SHEETS AND APPLY NOTES TO RELATED BUILDING COMPONENTS.
2. REFER TO COMPLETE SET OF ISSUED CONTRACT DOCUMENTS FOR OTHER APPLICABLE NOTES, ABBREVIATIONS, AND SYMBOLS.
3. WHERE MATERIALS ARE APPLIED TO, OR ARE IN DIRECT CONTACT WITH WORK INSTALLED BY ANOTHER SUBCONTRACTOR, COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE SUBSTRATE AS SUITABLE FOR THE APPLICATION INTENDED.
4. ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.
5. PARTITION TYPES INDICATED ON A WALL ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF A PARTITION.
6. OPENINGS IN WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH PENETRATION SEALANT SYSTEMS.
7. DO NOT SCALE THE DRAWINGS.
8. FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER PROVIDED EQUIPMENT AND FURNISHINGS.
9. PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR SECURE INSTALLATION OF TOILET PARTITIONS, DOORS AND DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, HANDRAILS, WALL-MOUNTED SHELVES, OPERABLE PARTITIONS, MISCELLANEOUS EQUIPMENT, AND SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.
10. COORDINATE ALL BASE AND HOUSEKEEPING PADS WITH MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
11. LOCATE ACCESS PANELS AS INDICATED ON DRAWINGS. FOR ACCESS PANELS NOT SHOWN BUT REQUIRED BY PROVISIONS OF THE CONTRACT DOCUMENTS, LOCATE IN ACCORDANCE WITH APPLICABLE CODES. SUBMIT PROPOSED LOCATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.

SYMBOLS LEGEND

NORTH ARROW, GRAPHIC SCALE, COLUMN SYMBOL & GRID LINES, BUILDING SECTION TAG, DETAIL/WALL SECTION TAG, PARTIAL PLAN & DETAIL TAG, EXTERIOR ELEVATION TAG, INTERIOR ELEVATION TAG, DRAWING REVISIONS, ROOM NAME & NUMBER TAG, DOOR NUMBER TAG, WINDOW TYPE TAG, PARTITION TAG, FIRE HOSE CABINET, FIRE EXTINGUISHER CABINET, EQUIPMENT AND FURNITURE TAG, TOILET ACCESSORY TAG, FLOOR DRAIN.

MATERIALS

COMPACTED SOIL, UNDISTURBED SOIL, COURSE POROUS FILL, SAND, BITUMINOUS PAVING, CONCRETE, TERRAZZO, CUT STONE, BRICK MASONRY, CONCRETE MASONRY UNIT, STRUCTURAL CLAY TILE UNIT MASONRY, STEEL, ALUMINUM, ORNAMENTAL METAL, CONTINUOUS WOOD FRAMING, WOOD BLOCKING, FINISH WOODWORK, PLYWOOD, PARTICLE BOARD, GYPSUM WALLBOARD, WATERPROOFING, RIGID INSULATION, BATT INSULATION, CARPETING, RESILIENT FLOORING, PLASTIC LAMINATE, LEAD-LINED GYPSUM WALLBOARD, GLAZING, GLASS BLOCK, ACUSTICAL CEILING BOARD, SEALANT AND BACKER ROD, SPRAY-ON FIREPROOFING.

SYMBOLS

AND BY CHANNEL DEGREE DIAMETER DOUBLE ANGLE INCHES NUMBER POUNDS PENNY (NAIL) PERCENT PLUS OR MINUS TUBE, ABOVE FINISHED FLOOR, ADJACENT, AIR HANDLING UNIT, AMERICANS WITH DISABILITIES ACT, APPROXIMATE, ARCHITECTURAL, AREA DRAIN, BACK TO BACK, BOTTOM, BACKLIT PANEL, CABINET UNIT HEATER, CATCH BASIN, CONTRACTOR FURNISHED CONTRACTOR INSTALLED, CENTERLINE, CENTER TO CENTER, CLASSROOM, CLEANOUT, CLOSED CIRCUIT TELEVISION, CLOSET, COLUMN, COMMUNICATION, CONCRETE, CONCRETE MASONRY UNIT, CONFERENCE ROOM, CONTINUOUS, CONTROL JOINT, CORRIDOR, CUBIC, CUSTODIAN, DEGREE, DEMOLISH, DEMOLITION, DEPARTMENT DEPT, DIAGONAL, DIAMETER, DIMENSION, DOUBLE, DOWNSPOUT, DRINKING FOUNTAIN, EACH, EDGE OF SLAB, ELECTRICAL, ELECTRIC WATER COOLER, ELEVATION, ELEVATOR ELEV, ENCLOSURE, EQUAL, EQUIPMENT, EXHAUST, EXISTING, EXPANSION JOINT, EXPOSED, EXTERIOR, FACE OF, FACE TO FACE, FACE BRICK, FEET, FOOT, FINISHED, FINISHED OPENING, FIRE ALARM, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM CONTROL PANEL, FIRE DEPARTMENT CONNECTION, FIRE DEPT. CONNECTION CABINET, FIRE EXTINGUISHER, FIRE EXTINGUISHER CABINET, FIRE HOSE CABINET, FIRE HOSE RACK, FIRE HYDRANT, FIRE PROTECTION, FLOOR DRAIN, FOOTING, FOUNDATION, FRAMING, FURNISH, FURNITURE, GAUGE, GALVANIZED, GENERAL, GLASS, GREASE TRAP, GYPSUM BOARD, HEATING, VENTILATION, AIR CONDITIONING, HEAT-STRENGTHENED, HIGH POINT, HOLLOW OPEN, HOLLOW METAL, HORIZONTAL, HOSE BIBB, HOUSEKEEPING, INCLUDED, INCLUDING, INSIDE DIAMETER, INTERIOR, JANITOR, KITCHEN, LABORATORY, LAVATORY, LIGHTING, LINEAR FOOT, (LINEAR FEET), LONG LEG HORIZONTAL, LONG LEG VERTICAL, LOW POINT, MACHINE, MAINTENANCE, MANHOLE, MANUFACTURER, MASONRY OPENING, MATERIAL, MAXIMUM, MECHANICAL, MEETING, METAL, MEZZANINE, MINIMUM, MISCELLANEOUS, MULLION, NOMINAL, NOT IN CONTRACT, NOT TO SCALE, OCCUPY, OCCUPANT OCC, OFFICE OFF, ON CENTER, OPPOSITE, OPPOSITE HAND OPP, OUT TO OUT, OUTSIDE DIAMETER, OWNER FURNISHED, OWNER INSTALLED, PAIR, PERPENDICULAR, PNEUMATIC TUBE SYSTEM, POUNDS, POUNDS PER SQUARE FOOT, POUNDS PER SQUARE INCH, PREFABRICATE(D), PREFINISHED, PRELIMINARY, PROPERTY, PUBLIC ADDRESS, PULL STATION, RADIUS, REFERENCE, REINFORCE, REINFORCING, REQUIRED, REVISION/REVISED, RIGHT OF WAY, RISER (SHOW), ROOM, ROUGH OPENING, SANITARY, SERVICE SINK, SIMILAR, SOUND TRANSMISSION CLASS, SPRINKLER, SQUARE FOOT (SQUARE FEET), STAINLESS STEEL, STORAGE, STRUCTURE, STRUCTURAL, SYSTEM, TELEPHONE, TELEVISION, TEMPORARY, TOILET, TOP OF, TOPOGRAPHY, TOPOGRAPHIC, TREAD, TYPICAL, UNDERWRITERS LABORATORIES, UNIT HEATER, UNLESS NOTED OTHERWISE, VENTILATION, VERIFY IN FIELD, VERTICAL, VESTIBULE, WATER CLOSET, WATER HEATER, WITH, WITHOUT, WORKING POINT.

ABBREVIATIONS LEGEND

ABBREVIATIONS WHEN USED IN COMPOSITION MAY INCLUDE PERIODS FOR CLARIFICATION, AFF, ADU, AHI, ADA, APPROX, ARCH, AD, BIB, B, BLP, CBH, CS, CFCI, CL, C/C, CLRM, CO, CCTV, CLO, CCL, COMM, CONC, CMU, CONF, CONT, CJ, CORR, CU, CUST, DEG, DEMO, DEPT, DIAG, DIA, DIM, DBL, DS, EA, EDC, ELEC, EWC, EL, ELEV, ENCL, EQ, EQUIP, EXH, EXIST, EJ, EXP, EXT, F, F/F, F/B, FT, FIN, FO, FA, FAAP, FACP, FDC, FDDC, FE, FEC, FHC, FHR, FH, FD, FTG, FDN, FRMG, FURN, GA, GALV, GEN, GL, GT, GWB, HVAC, HS, HP, HO, HM, HORZ, HB, HSKPG, INCL, ID, INT, JAN, KT, LAB, LAV, LTG, LF, LHM, LLV, LP, MACH, MAINT, MH, MFR, MO, MATL, MAX, MECH, MTO, MTL, MEZZ, MIN, MISC, MULL, NOM, NIC, NTS, OCC, OFF, OC, OPP, OPP HD, OD, ODD, OFCI, OFOI, OFI, PERP, PLAS, PTS, LB(S), PSF, PSI, PREFAB, PREFIN, PRELM, PROP, PA, PS, R, REF, REN, REQ, REV, ROW, R, RO, RO, SAN, SS, SIM, STC, SPALR, SF, SST, STOR, STRUCT, SYS, TEL, TV, TEMP, TLT, T, TOPO, T, TYP, UL, UNO, VENT, VEF, VERT, VEST, WC, WH, WI, W/O, WP.

CODE INFORMATION

PROJECT DESIGNED IN ACCORDANCE WITH:
A. INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION
B. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2012 EDITION
C. INTERNATIONAL FIRE CODE (IFC), 2012 EDITION
D. INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 EDITION
E. INTERNATIONAL FUEL GAS CODE (IFGC), 2012 EDITION
F. INTERNATIONAL MECHANICAL CODE (IMC), 2012 EDITION
G. INTERNATIONAL PLUMBING CODE (IPC), 2012 EDITION
H. NATIONAL ELECTRICAL CODE (NEC), NFPA 70, 2011 EDITION
I. NATIONAL ELECTRICAL SAFETY CODE, ANSI-C2-2012 EDITION
J. ICC/ANSI A117-1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
K. STATE FIRE MARSHAL RULES, REGULATIONS AND POLICIES, LATEST REVISION
L. STATE OF SC TELEPHONE EQUIPMENT ROOM AND COMMUNICATIONS DATA SYSTEMS POLICIES AS FORMULATED BY THE OFFICE OF INFORMATION RESOURCES (OIR) TELECOMMUNICATIONS

CONSTRUCTION CLASSIFICATION	EXISTING FACILITY	TYPE IIB	IBC 601/602
ADDITIONS	TYPE IIB		IBC 601/602
OCCUPANCY GROUP (INDICATE ALL)	EXISTING FACILITY	ASSEMBLY GROUP (A-5) STORAGE (S-2)	IBC 303
ADDITIONS	ASSEMBLY (A-2)		IBC 303
OCCUPANCY GROUP (INDICATE MOST RESTRICTIVE)			IBC 503
DOES BUILDING REQUIRE INCIDENTAL USE AREA SEPARATION?	YES	NO	IBC 508.2
DOES BUILDING HAVE ACCESSORY OCCUPANCY(IES)? WHAT PERCENT OF STORY IS ACCESSORY OCCUPANCY?	X		IBC 509
MIXED OCCUPANCY	X		IBC 508
NON SEPARATED*	X		IBC 508.3
SEPARATED	X		IBC 508.4 IBC 506.5
OTHER FIRE PROTECTION SYSTEMS, DEVICES OR FEATURES	NA		IBC 414.1.3

	AS DESIGNED		AS ALLOWED BY IBC	
	IN FEET	IN STORIES	IN FEET	IN STORIES
WITHOUT ANY ALLOWABLE INCREASE (PER IBC TABLE 503)	30'-0"	2 STORIES	55'	2

LAYDOWN AREA - COORDINATE LOCATION OF MATERIALS, STORAGE UNITS AND SECURITY FENCING WITH THE OWNER AND ARCHITECT PRIOR TO MOBILIZATION

FLOOR OR LEVEL	SQUARE FOOTAGE AS ALLOWED BY IBC				
	TOTAL DESIGN AREA	WITHOUT INCREASE (IBC TABLE 503)	FRONTAGE INCREASE (IBC 506.2)	SPRINKLER INCREASE (IBC 506.3)	TOTAL ALLOWABLE AREA (IBC 506.1)
EXISTING GROUND FLOOR	12,990 SF	9,500	7,125		16,625 SF
EXISTING ENCLOSED SPACE	1,594 SF				
UNENCLOSED SPACE	7,736 SF				
NEW ADDITIONS	NEWLY ENCLOSED* 3,660 SF				
TOTAL FLOOR AREA	12,990 SF				16,625 SF

NOTE: THE EXISTING TENNIS FACILITY HAS 2 ENCLOSED AREAS AND ARE CLASSIFIED AS ACCESSORY OCCUPANCIES TO THE MAIN ASSEMBLY OCCUPANCY. THE NEWLY ENCLOSED SPACES OCCUPY 3,660 OF THE EXISTING UNENCLOSED AREA OF THE GROUND FLOOR. THIS AREA REPRESENTS MORE THAN 10% OF THE FLOOR AREA AND ARE THEREFORE CLASSIFIED AS NON-SEPARATED OCCUPANCY.

FLOOR OR LEVEL	OCCUPANCY TYPE (FUNCTION OF SPACE)	A	B	C	D
FIRST FLOOR	ASSEMBLY A-2 (MEN'S LOCKER)	544 NSF	15 NET		36
	ASSEMBLY A-2 (TRAINING ROOM)	390 NSF	50 GROSS		8
	ASSEMBLY A-2 (MEETING ROOM)	313 NSF	15 NET		21
	ASSEMBLY A-2 (WOMEN'S LOCKER)	544 NSF	15 NET		36
	ASSEMBLY A-2 (VISITOR'S LOCKER)	290 NSF	15 GROSS		20
	ACCESSORY STORJ/ MECH. EQUIP	130 GSF	300 GROSS		1
	TOTAL DESIGN OCCUPANT LOAD FOR ADDITIONAL ENCLOSED SPACE				122

ITEM	YES	NO	CODE REFERENCE
SEPARATIONS			
FIREBLOCKING REQUIRED		X	PER IBC SECTION 717
DRAFTSTOPPING REQUIRED		X	PER IBC SECTION 717
SMOKE CONTROL SYSTEM REQUIRED		X	PER IBC SECTION 909
SMOKE BARRIERS REQUIRED		X	PER IBC SECTIONS 407, 408
SMOKE PARTITIONS REQUIRED		X	PER IBC SECTION 407
FIRE PARTITIONS REQUIRED		X	PER IBC SECTIONS 420
FIRE BARRIERS REQUIRED		X	PER IBC SECTION 707
ALARM & DETECTION			
FIRE ALARM SYSTEM REQUIRED		X	PER IBC SECTION 907
EMERGENCY ALARM SYSTEM REQUIRED		X	PER IBC SECTION 908
SUPPRESSION			
STANDPIPES REQUIRED		X	PER IBC SECTION 905
SPRINKLERS REQUIRED		X	PER IBC SECTION 903**
SPRINKLERS PROVIDED		X	PER IBC SECTION 903**
PORTABLE EXTINGUISHERS REQUIRED	X		PER IBC SECTION 906
OTHER SUPPRESSION SYSTEMS REQUIRED		X	PER IBC SECTION 904
SMOKE & HEAT VENTS REQUIRED		X	PER IBC SECTION 910
OTHER		X	

NOTE: SPRINKLER SYSTEM IS NOT REQUIRED FOR EACH INDIVIDUAL SPACE THAT IS LESS THAN 1000 SQ. FT.

BUILDING ELEMENT	RATING AS DESIGNED (IN HOURS)	RATING AS REQUIRED (IN HOURS)	TESTING AGENCY & DESIGN NUMBER (UL, FM, ETC.)	DESIGNER WALL / PARTITION KEY CODE
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, AND TRUSSES (PER IBC TABLE 601)	0 HRS	0 HRS	N/A	N/A
BEARING WALLS, EXTERIOR (PER IBC TABLE 601)	0 HRS	0 HRS	N/A	N/A
BEARING WALLS, INTERIOR (PER IBC TABLE 601)	0 HRS	0 HRS	N/A	N/A
NONBEARING WALLS & PARTITIONS, EXTERIOR (PER IBC TABLE 601 AND SECTION 602)	0 HRS	0 HRS	N/A	N/A
NONBEARING WALLS & PARTITIONS, INTERIOR (PER IBC TABLE 601 AND SECTION 602)	0 HRS	0 HRS	N/A	N/A

MINIMUM NUMBER OF PLUMBING FIXTURES REQUIRED/PROVIDED (PER IPC SECT 403 & TABLE 403.1)				
ASSEMBLY A-1 OCCUPANCY - 122 OCCUPANT LOAD- 61 MALE, 61 FEMALE				
FIXTURES: 1 PER 40 MALE, 1 PER 40 FEMALE, LAVS: 1 PER 75 MALE, 1 PER 75 FEMALE				
	MALE - REQUIRED		FEMALE - REQUIRED	
	PROVIDED	REQUIRED	PROVIDED	REQUIRED
WATER CLOSETS	2	2	2	3
LAVATORIES	1	2	1	2
URINALS	0	1	0	1
OTHER FIXTURES				REQUIRED
DRINKING FOUNTAINS (1 PER 500)				1***
FAMILY OR ASSISTED TOILET (2902.1.2, 1109.2.1)				
SERVICE SINK				1

NOTE: ONE DRINKING FOUNTAIN EXISTS ADJACENT TO THE RESTROOM BUILDING ON THE GROUND FLOOR. THIS DRINKING FOUNTAIN IS TO REMAIN.

NOTE: ONE UNISEX TOILET FACILITY HAS BEEN PROVIDED IN THE VISITOR LOCKER AREA FOR CONVENIENCE TO THE VISITING TEAMS.

LIFE SAFETY LEGEND

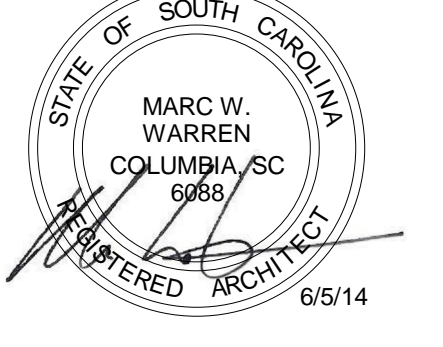
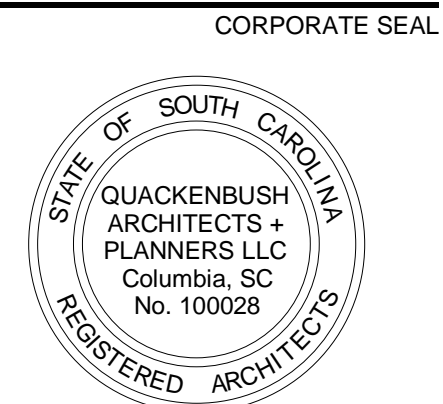
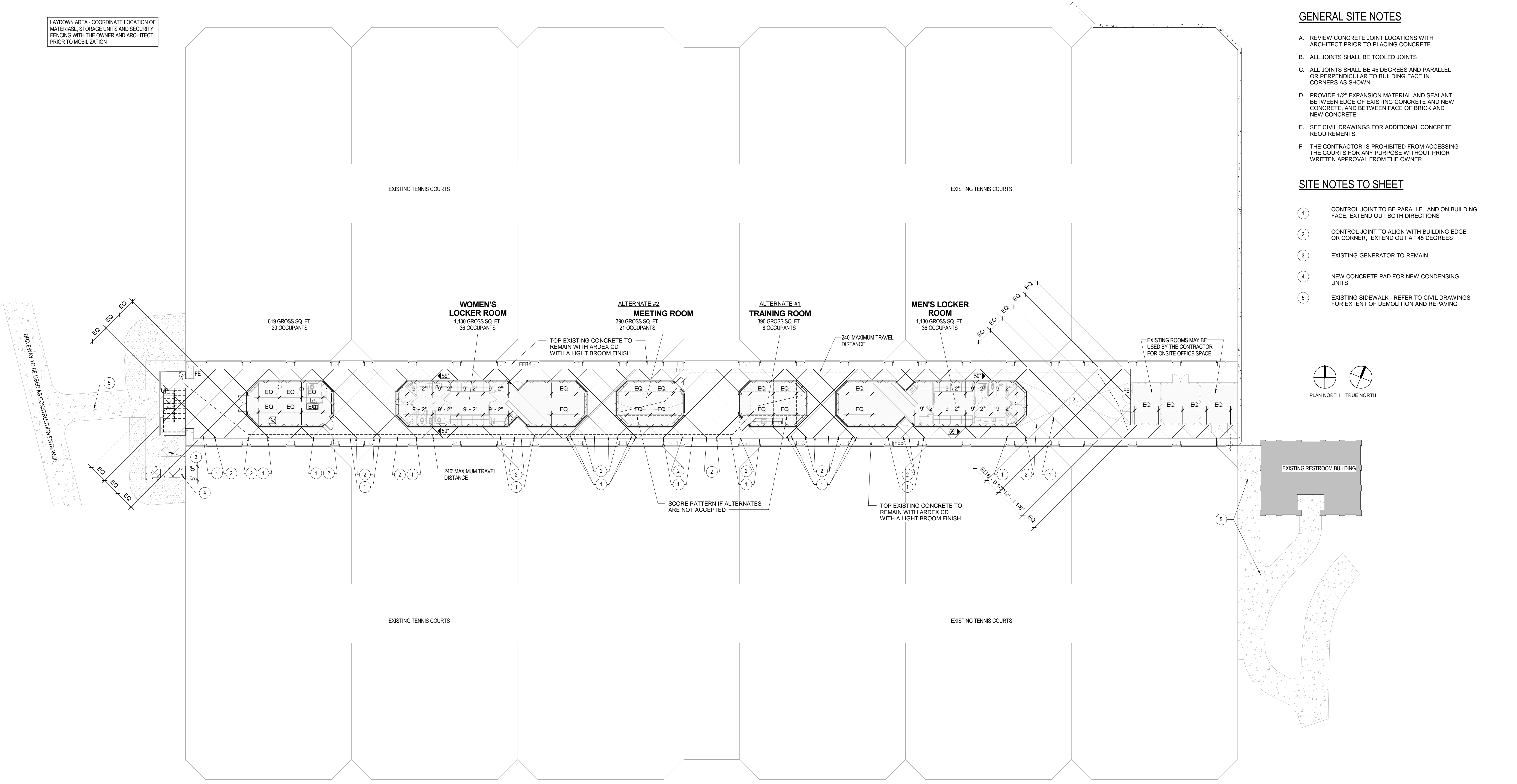
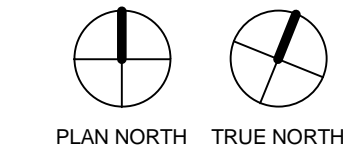
- EGRESS PATH AND TRAVEL DISTANCE
- EXIT WIDTH
- FE FIRE EXTINGUISHER - EXISTING TO REMAIN AT CURRENT LOCATION
- FE-P FIRE EXTINGUISHER - PROVIDE NEW BRACKET MOUNTED UNIT TO MATCH EXISTING

GENERAL SITE NOTES

- A. REVIEW CONCRETE JOINT LOCATIONS WITH ARCHITECT PRIOR TO PLACING CONCRETE
- B. ALL JOINTS SHALL BE TOOLED JOINTS
- C. ALL JOINTS SHALL BE 45 DEGREES AND PARALLEL OR PERPENDICULAR TO BUILDING FACE IN CORNERS AS SHOWN
- D. PROVIDE 1/2" EXPANSION MATERIAL AND SEALANT BETWEEN EDGE OF EXISTING CONCRETE AND NEW CONCRETE, AND BETWEEN FACE OF BRICK AND NEW CONCRETE
- E. SEE CIVIL DRAWINGS FOR ADDITIONAL CONCRETE REQUIREMENTS
- F. THE CONTRACTOR IS PROHIBITED FROM ACCESSING THE COURTS FOR ANY PURPOSE WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER

SITE NOTES TO SHEET

1. CONTROL JOINT TO BE PARALLEL AND ON BUILDING FACE, EXTEND OUT BOTH DIRECTIONS
2. CONTROL JOINT TO ALIGN WITH BUILDING EDGE OR CORNER, EXTEND OUT AT 45 DEGREES
3. EXISTING GENERATOR TO REMAIN
4. NEW CONCRETE PAD FOR NEW CONDENSING UNITS
5. EXISTING SIDEWALK - REFER TO CIVIL DRAWINGS FOR EXTENT OF DEMOLITION AND REPAIRING



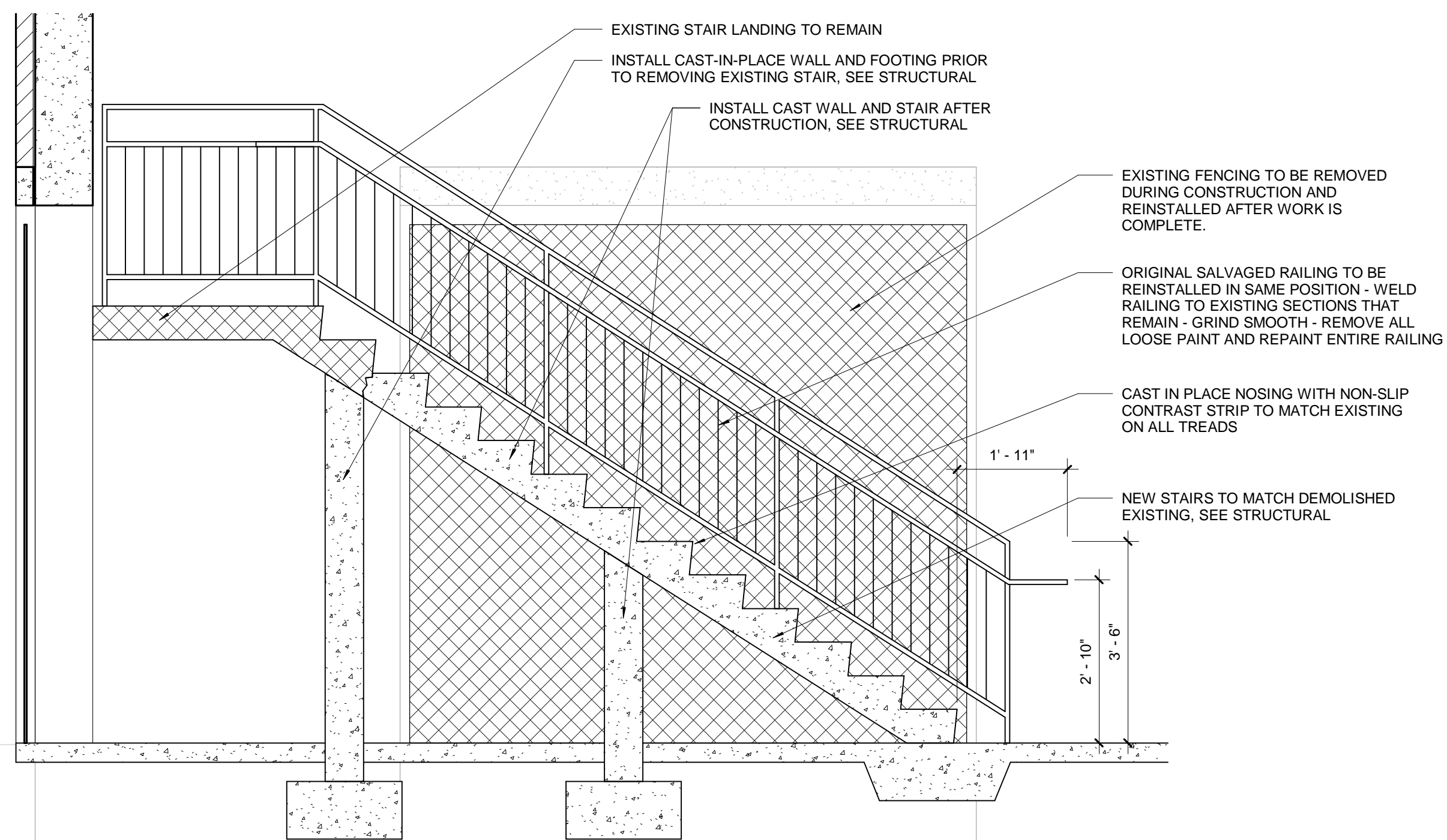
UNIVERSITY OF SOUTH CAROLINA
ATHLETIC VILLAGE TENNIS COMPLEX ADDITION
 1316 HEYWARD ST. COLUMBIA, SC 29201
 RE-BID SET

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NO	REVISION	DATE

Date	06/05/2014
Project No.	12.130.09
Scale	As indicated
Drawn By	KBF
Checked By	MWW
State Project #.	H27-6102-AU

ARCHITECTURAL SITE PLAN / CODE COMPLIANCE



2 DEMOLITION / NEW STAIR

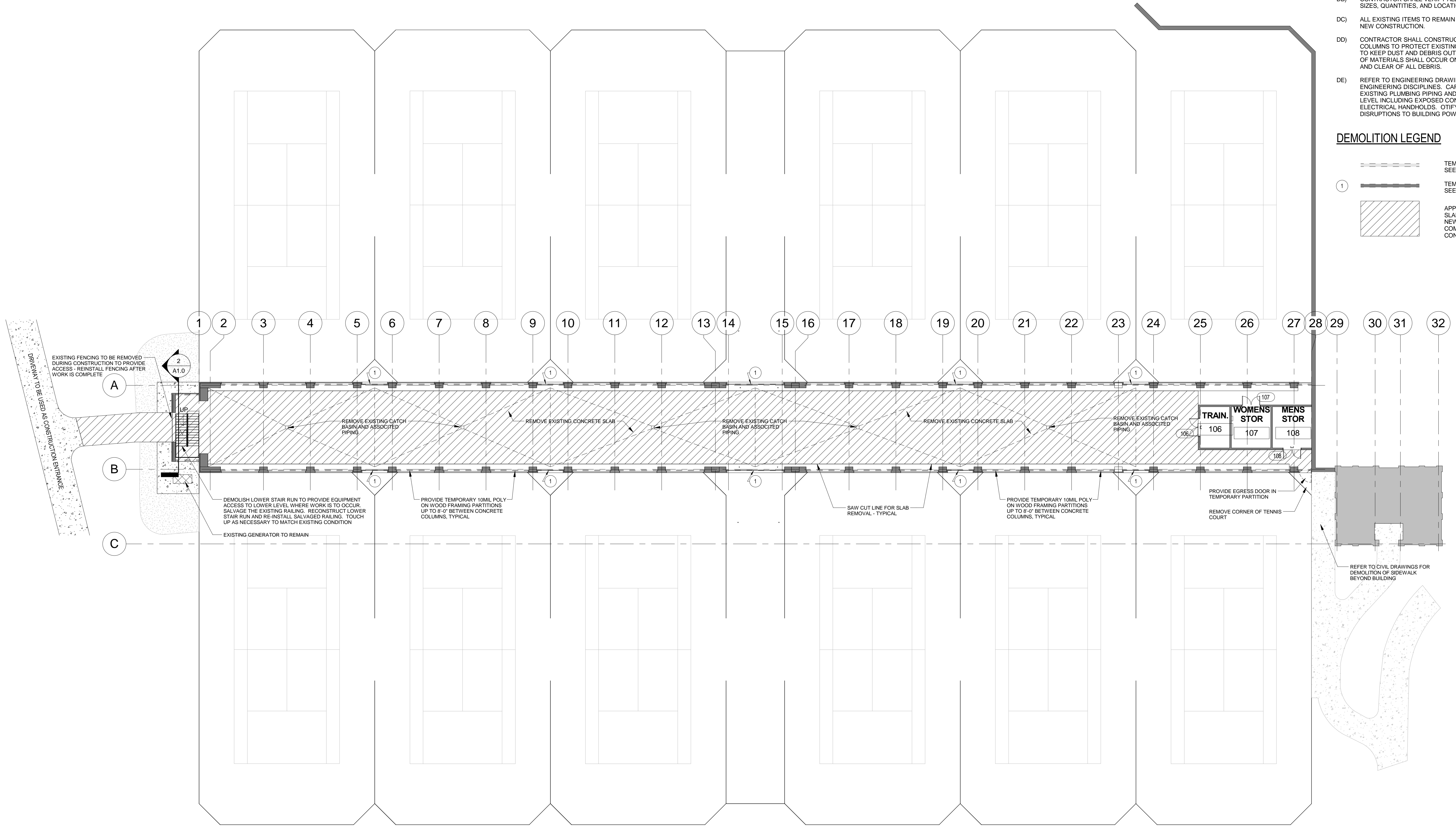
A1.0 SCALE: 1/2" = 1'-0"

GENERAL DEMOLITION NOTES

- DA) EXISTING CONDITIONS ILLUSTRATED AS OF NOVEMBER 2013.
- DB) CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES, AND LOCATIONS.
- DC) ALL EXISTING ITEMS TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION.
- DD) CONTRACTOR SHALL CONSTRUCT TEMPORARY PARTITIONS BETWEEN CONCRETE COLUMNS TO PROTECT EXISTING TENNIS COURTS AND FENCING WITH WIND SCREEN TO KEEP DUST AND DEBRIS OUT OF TENNIS COURT AREAS. NO WORK OR STORAGE OF MATERIALS SHALL OCCUR ON TENNIS COURTS. COURTS SHALL BE KEPT CLEAN AND CLEAR OF ALL DEBRIS.
- DE) REFER TO ENGINEERING DRAWINGS FOR DEMOLITION SCOPE RELATED TO THE ENGINEERING DISCIPLINES. CAREFUL CONSIDERATION MUST BE PAID TO THE EXISTING PLUMBING PIPING AND ELECTRICAL WIRING ASSOCIATED WITH THE LOWER LEVEL INCLUDING EXPOSED CONDUIT, UNDERGROUND PIPING AND RACEWAYS, AND ELECTRICAL HANDHOLDS. NOTIFY THE OWNER AND ARCHITECT OF ANY AND ALL DISRUPTIONS TO BUILDING POWER.

DEMOLITION LEGEND

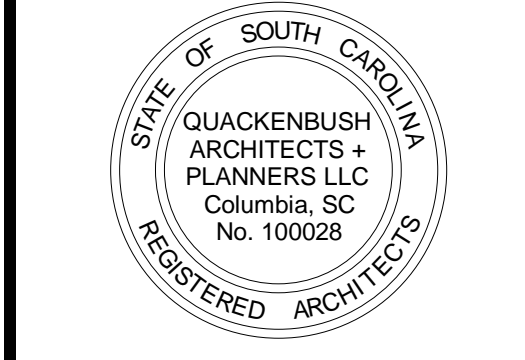
- TEMPORARY 10MIL POLY FACED PARTITION LOCATIONS, SEE SECTION 3/A4.0
- (1) --- TEMPORARY PLYWOOD FACED PARTITION LOCATIONS, SEE SECTION 3/A4.0
- ▨ APPROXIMATE LOCATION OF EXISTING CONCRETE SLAB TO BE REMOVED. SAW CUT AS NECESSARY FOR NEW INFRASTRUCTURE, FOUNDATIONS, ETC. COMPACT EARTH / ROCK PRIOR TO INSTALLING NEW CONCRETE.



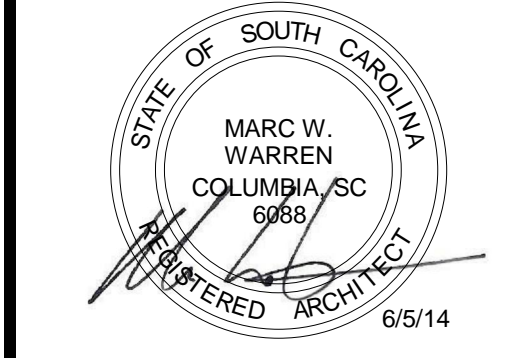
1 DEMOLITION PLAN - LEVEL 1

A1.0 SCALE: 1/16" = 1'-0"

CORPORATE SEAL



AE SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

RE-BID SET

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REVISIONS	
NO.	DATE

SHEET INFORMATION	
Date	06/05/2014
Project No.	12.130.09
Scale	As indicated
Drawn By	KBF
Checked By	MWW
State Project #.	H27-6102-AU

EXISTING / DEMOLITION FLOOR PLAN

6/5/2014 3:44:30 PM

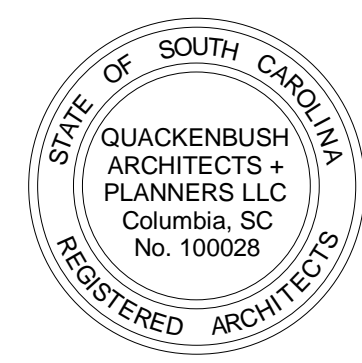
GENERAL FLOOR PLAN NOTES

- A) VERIFY DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AT THE SITE BEFORE COMMENCING WORK AND REPORT DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO THE START OF WORK. DO NOT SCALE DRAWINGS.
- B) SHOULD THE SPECIFICATIONS FAIL TO PARTICULARLY DESCRIBE THE MATERIAL TO BE USED IN ANY PLACE, THEN IT SHALL BE THE DUTY OF THE CONTRACTOR TO SUBMIT A REQUEST FOR INTERPRETATION.
- C) THE CUTTING OF EXISTING CONSTRUCTION AND FINISHES SHALL BE REPAIRED WHERE CUT OR DAMAGED BY OTHER PORTIONS OF THE WORK. BY TRADES PEOPLE WHO ARE BY TRAINING AND EXPERIENCE QUALIFIED TO MAKE SUCH REPAIRS. SHALL PERFORM THE REPAIRS.
- D) WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. NOTIFY THE ARCHITECT OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.
- E) PROTECTION: EXISTING MATERIALS EXPOSED IN THE FINISHED WORK FORM AN IMPORTANT PART OF THE COMPLETED DESIGN. AS SUCH, THE CONTRACTORS ATTENTION IS DIRECTED TO PROTECTION OF MATERIALS EXPOSED IN THE FINISHED WORK DURING AND AFTER INSTALLATION. DAMAGE TO MATERIALS EXPOSED IN THE FINISHED VIEW SHALL BE DEEMED A DEFECT AND SHALL BE CAUSE FOR REJECTION OF THE WORK. DAMAGE SHALL INCLUDE, BUT IS NOT LIMITED TO: PHYSICAL DAMAGE (CHIPPING, CRACKING, SCRATCHING, DENTS, TOOL MARKS, ETC.) OR STAINING DUE TO CONTRACTOR'S OPERATIONS. PHYSICAL DAMAGE OR STAINING DUE TO AIR BORNE CONTAMINANTS (DUST, WIND BORNE DEBRIS, ETC.), THERMAL OR MOISTURE STRESS DAMAGE AND PHYSICAL DAMAGE OR STAINING CAUSED BY ORGANIC GROWTHS / CONTAMINANTS (MOLD, MILDEW, ETC.) REPLACE, AT NO ADDITIONAL COST TO THE OWNER ALL WORK FOUND DEFECTIVE.

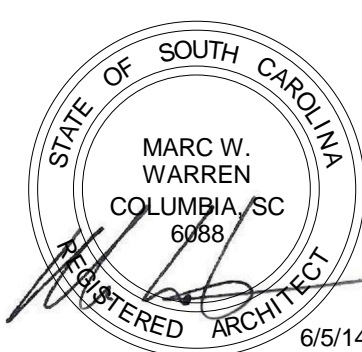
GENERAL CEILING NOTES

- A) FINISHED CEILING HEIGHT SHALL BE REFERENCED FROM THE FINISH FLOOR BELOW.
- B) ALL SUSPENDED ACOUSTICAL CEILING GRIDS ARE TO BE CENTERED IN THE CEILING/ (OR) ROOM AS SHOWN, UNLESS OTHERWISE NOTED.
- C) LIGHT FIXTURES TO BE MOUNTED WITH RESPECT TO THE SUSPENDED GRID SYSTEM AS SHOWN. ALL DEVICES ARE TO BE CENTERED IN THE ROOM OR TILE AS SHOWN.
- D) ACTUAL LIGHT FIXTURE LAYOUTS IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE COORDINATED WITH EQUIPMENT, DUCTWORK, AND PIPING TO MAINTAIN EVEN LIGHT DISTRIBUTION.
- E) SEE ELECTRICAL DRAWINGS FOR FULL SCOPE OF ELECTRICAL CEILING AND WALL MOUNTED DEVICES.
- F) FINISHED CEILING SHALL BE INSTALLED AT THE HEIGHTS INDICATED. COORDINATE THE EXACT LOCATION OF ALL ABOVE CEILING EQUIPMENT, DUCTWORK, PIPING, ETC. AS NECESSARY TO ACHIEVE CEILING HEIGHTS INDICATED. NOTIFY THE ARCHITECT IF ISSUES ARISE THAT REQUIRE ADJUSTMENT IN CEILING HEIGHT.
- G) GENERAL CONTRACTOR SHALL COORDINATE ALL UTILITY SYSTEM PIPING, DUCTWORK, CONDUIT, EQUIPMENT, DEVICES, ETC. WITH ARCHITECTURAL DRAWINGS INCLUDING REFLECTED CEILING PLANS AND BUILDING SECTIONS. PREPARE COORDINATION DRAWINGS OF ALL SYSTEMS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF SYSTEM COMPONENTS OR CEILING GRID. INDICATED LOCATIONS OF ALL COMPONENTS ARE APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS AND PRIOR TO INSTALLATION. ANY MODIFICATIONS TO LOCATIONS INDICATED MUST BE APPROVED BY ARCHITECT.
- H) GENERAL CONTRACTOR SHALL COORDINATE ALL CEILING MOUNTED EQUIPMENT, DEVICES, FIXTURES, AND GRILLS WITH REFLECTED CEILING PLANS. INDICATED LOCATIONS OF ALL COMPONENTS ARE APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS AND PRIOR TO INSTALLATION. ANY MODIFICATIONS TO LOCATIONS MUST BE APPROVED BY ARCHITECT.
- J) AT ALL SUSPENDED GYPSUM BOARD CEILINGS, SECURE 5/8" GYPSUM BOARD ON SUSPENDED CHANNEL FRAMING SYSTEM. SEE SPECIFICATIONS.
- K) PROVIDE ALL NECESSARY TRIM AND ACCESSORIES FOR ROUND AND ORTHOGONAL PENETRATIONS.

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

RE-BID SET

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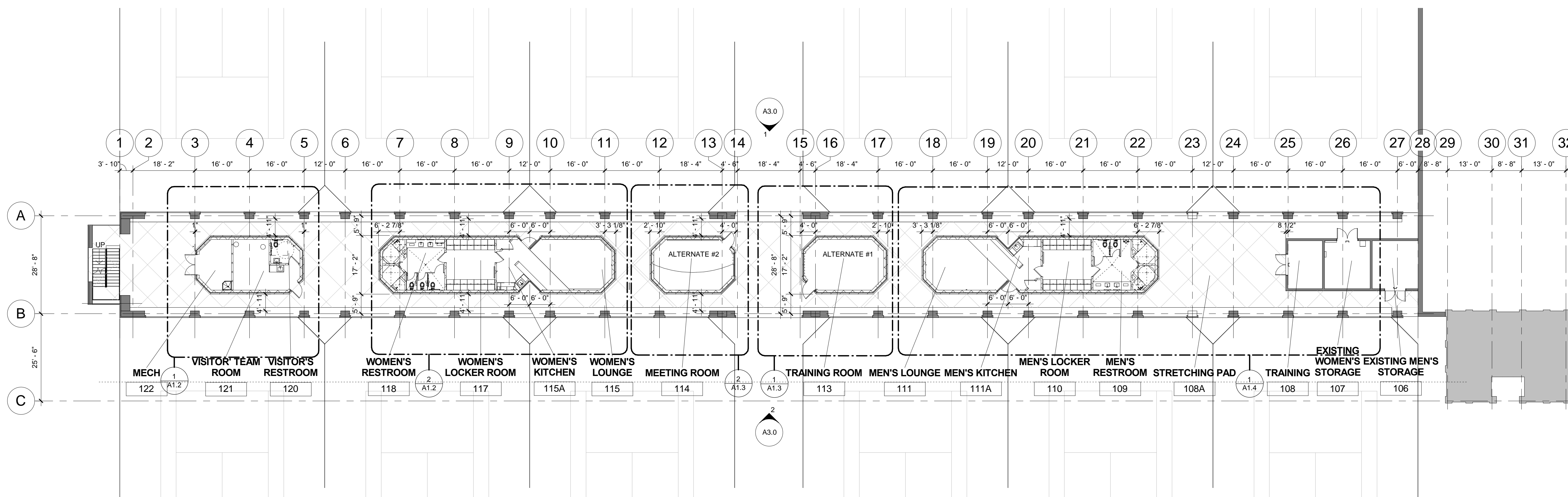
REVISIONS		
NO	REVISION	DATE

SHEET INFORMATION	
Date	06/05/2014
Project No.	12.130.09
Scale	As indicated
Drawn By	KBF
Checked By	MWW
State Project #.	H27-6102-AU

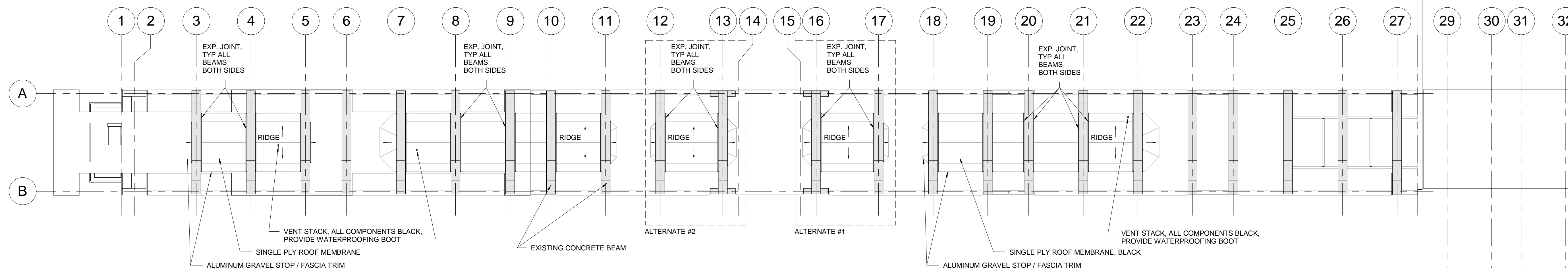
OVERALL FLOOR PLAN

SHEET NO.

A1.1



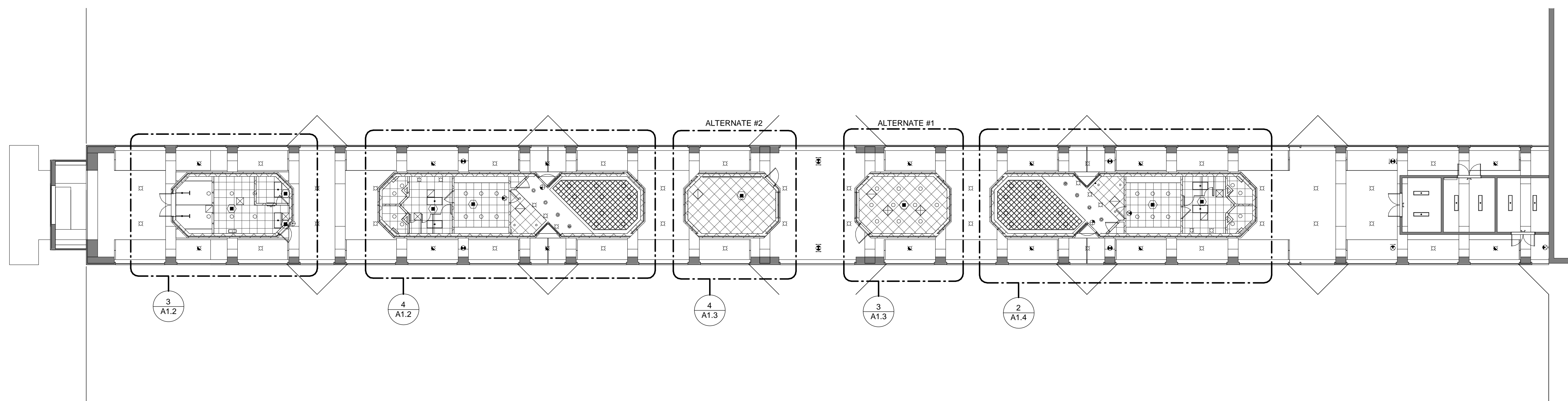
1 OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"



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

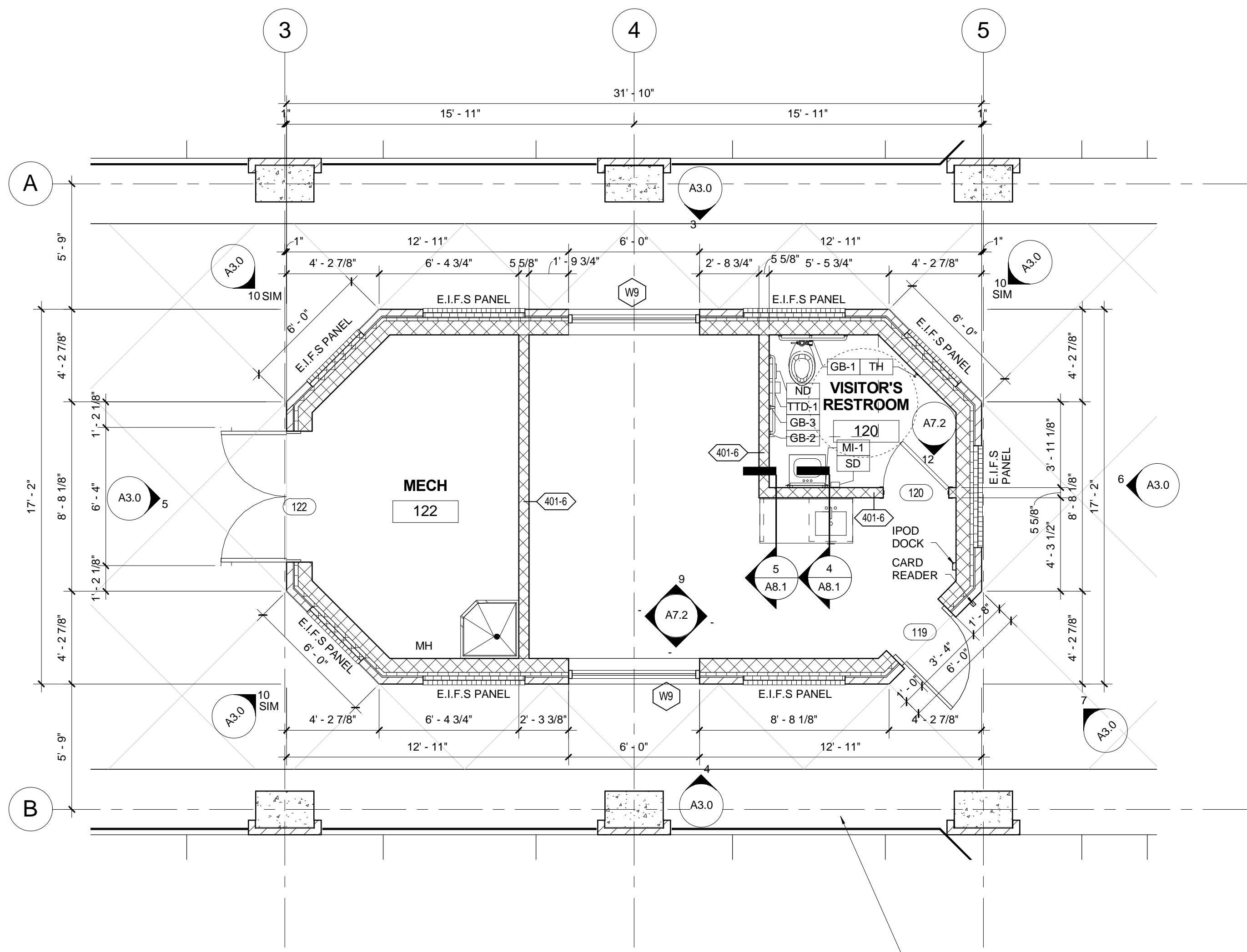
CEILING PLAN LEGEND

- METAL OPEN CELL CEILING (CELLS AT 1'-0" x 1'-0" O.C.)
- 2X2 CEILING SYSTEM (ACP-1, 2 & 3)
- GYPSUM BOARD CEILING SYSTEM
- LINEAR METAL CEILING
- SUPPLY GRILLE
- RETURN / EXHAUST GRILLE
- EXP. EXPOSED STRUCTURE
- CEILING MOUNTED EXIT LIGHT
- WALL MOUNTED EXIT LIGHT
- SMOKE AND/OR HEAT DETECTORS
- LIGHTS / RECESSED LIGHTS
- SPEAKERS

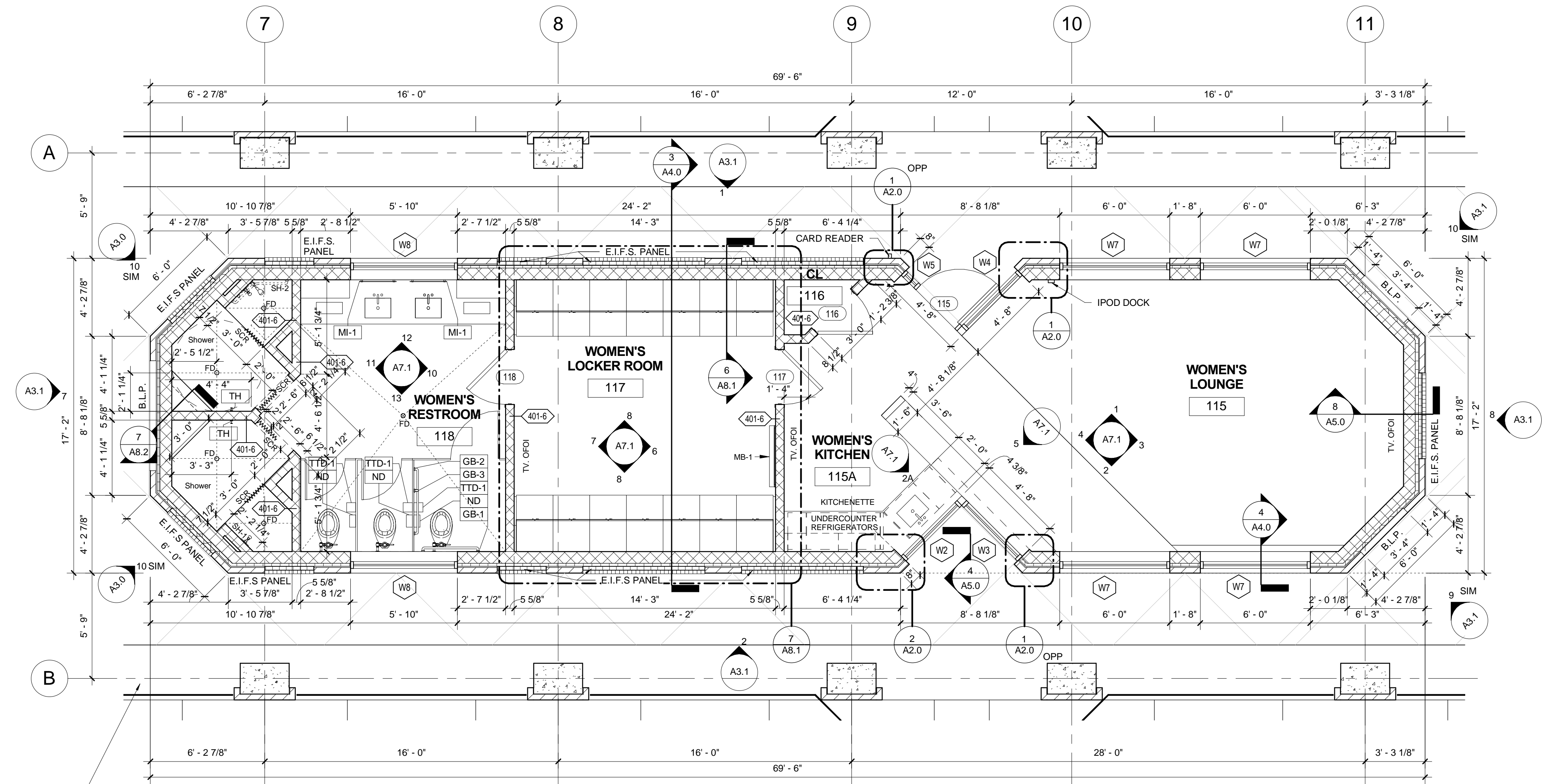


2 REFLECTED CEILING PLAN OVERALL
SCALE: 1/16" = 1'-0"

NOTE: B.L.P. = BACK LIT PANEL BY OWNER

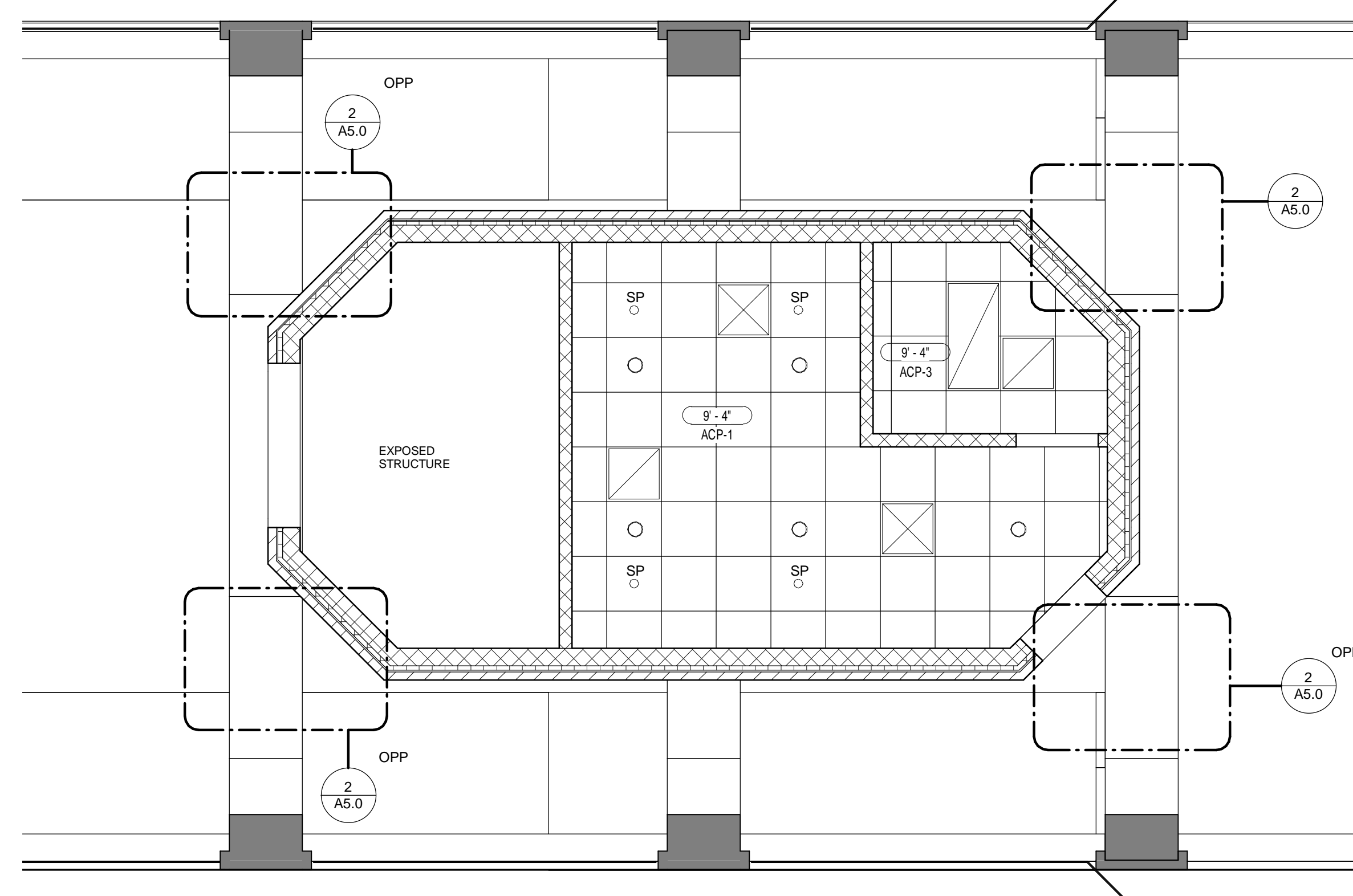


TOP EXISTING CONCRETE TO REMAIN WITH ARDEX CD WITH LIGHT BROOM FINISH. ALIGN EXISTING COURTS WITH NEW CONCRETE.

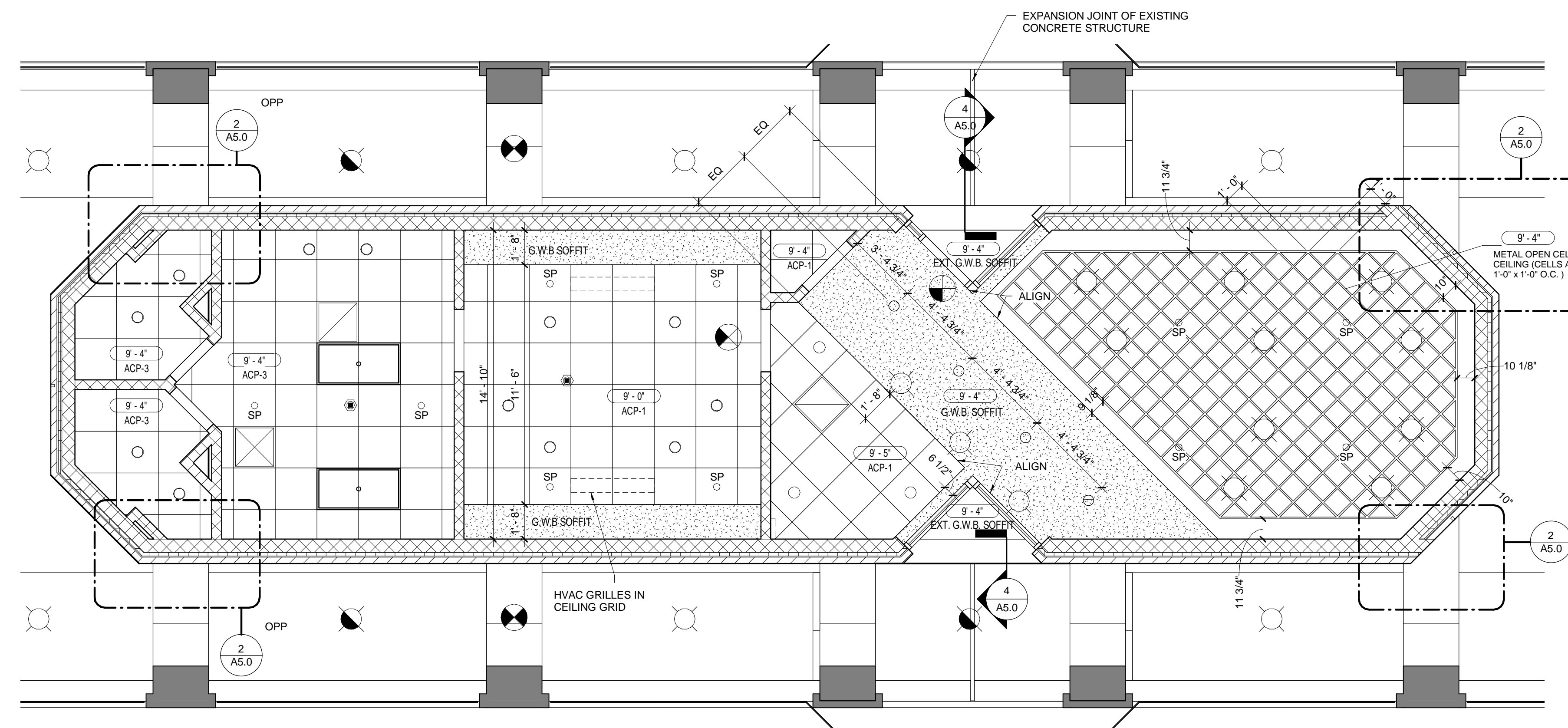


1 PLAN VISITOR'S TEAM ROOM
SCALE: 1/4" = 1'-0"

2 PLAN WOMEN'S TEAM ROOM
SCALE: 1/4" = 1'-0"

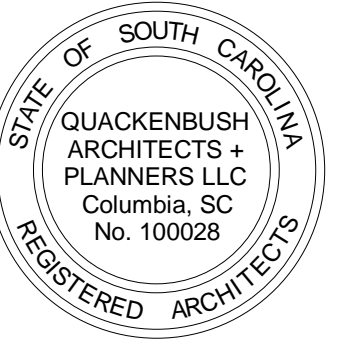


3 REFLECTED CEILING PLAN
VISITOR'S TEAM ROOM
SCALE: 1/4" = 1'-0"

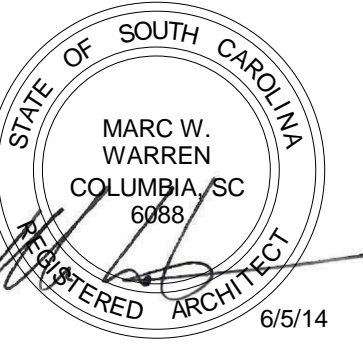


4 REFLECTED CEILING PLAN
WOMEN'S TEAM ROOM
SCALE: 1/4" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

**UNIVERSITY
OF SOUTH
CAROLINA**

**ATHLETIC
VILLAGE
TENNIS
COMPLEX
ADDITION**

1316 HEYWARD ST.
COLUMBIA, SC 29201

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NO.	DATE

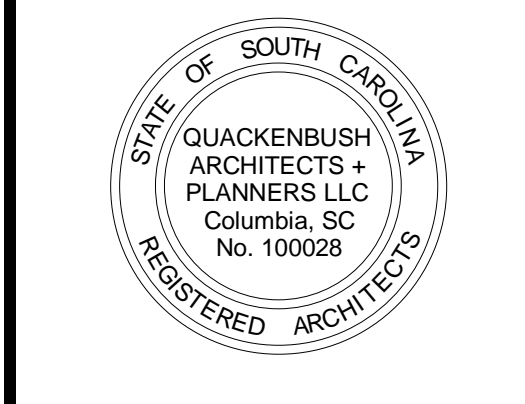
SHEET INFORMATION	
Date	06/05/2014
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	KBF
Checked By	MWW
State Project #	H27-6102-AU

**VISITOR'S &
WOMEN'S
TEAM ROOM
PLAN /
REFLECTED
CEILING
PLAN**

SHEET NO.

A1.2

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

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NO.	REVISION	DATE

SHEET INFORMATION	
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Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	KBF
Checked By	MWW
State Project #	H27-6102-AU

TITLE

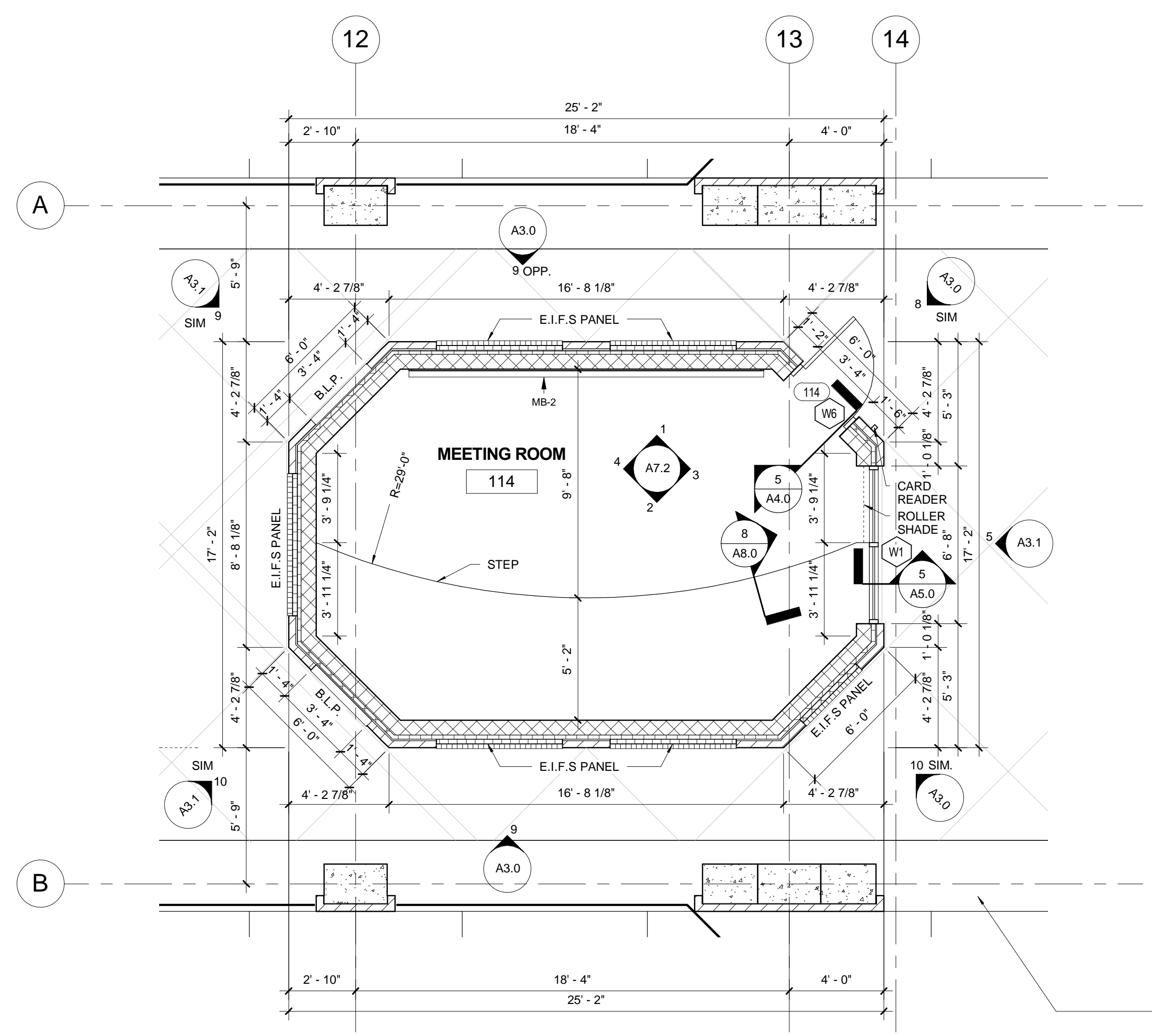
TRAINING & MEETING ROOM PLAN / REFLECTED CEILING PLAN

SHEET NO.

A1.3

NOTE: B.L.P. = BACK LIT PANEL BY OWNER

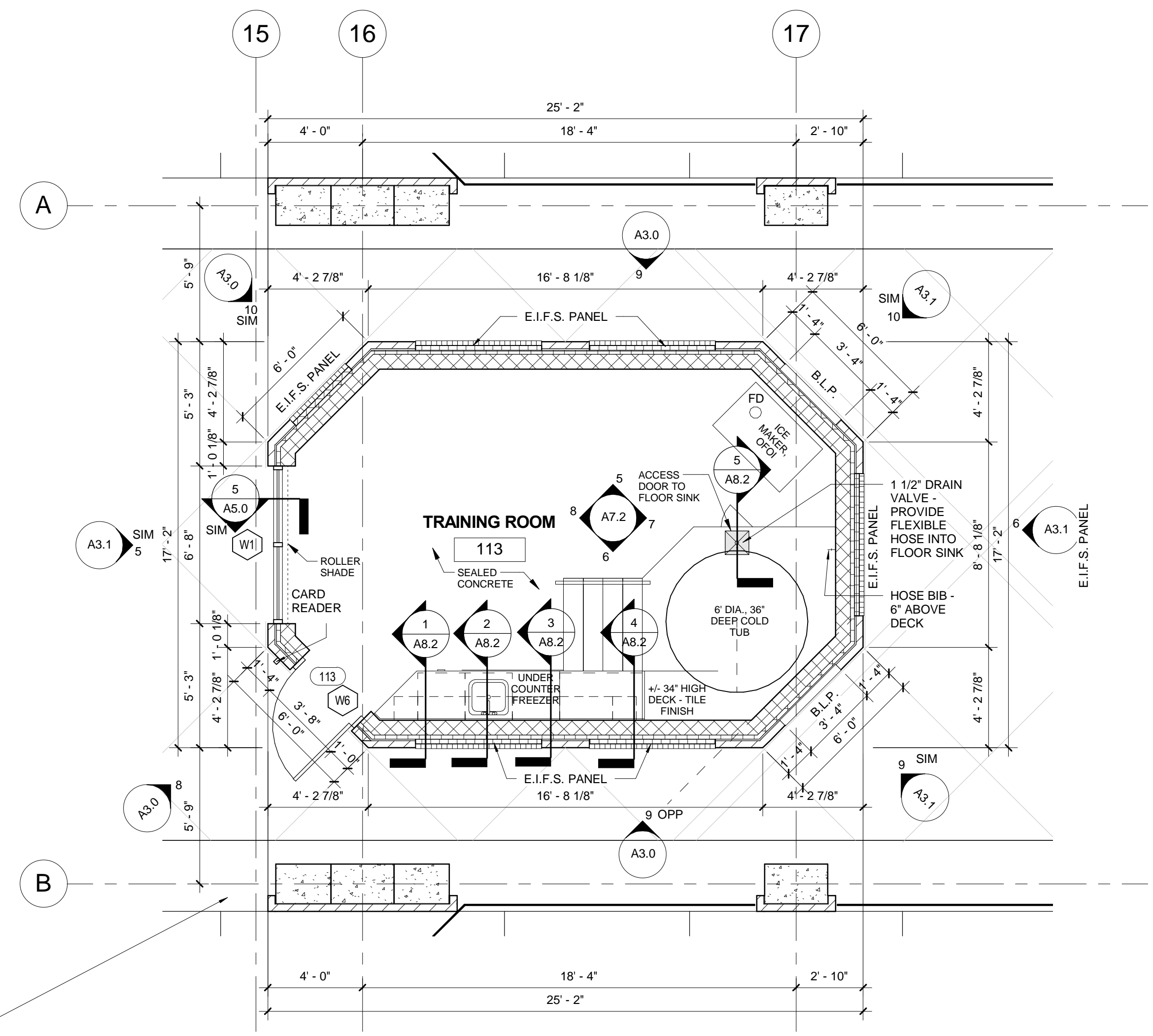
ALTERNATE 2



PLAN MEETING ROOM
SCALE: 1/4" = 1'-0"

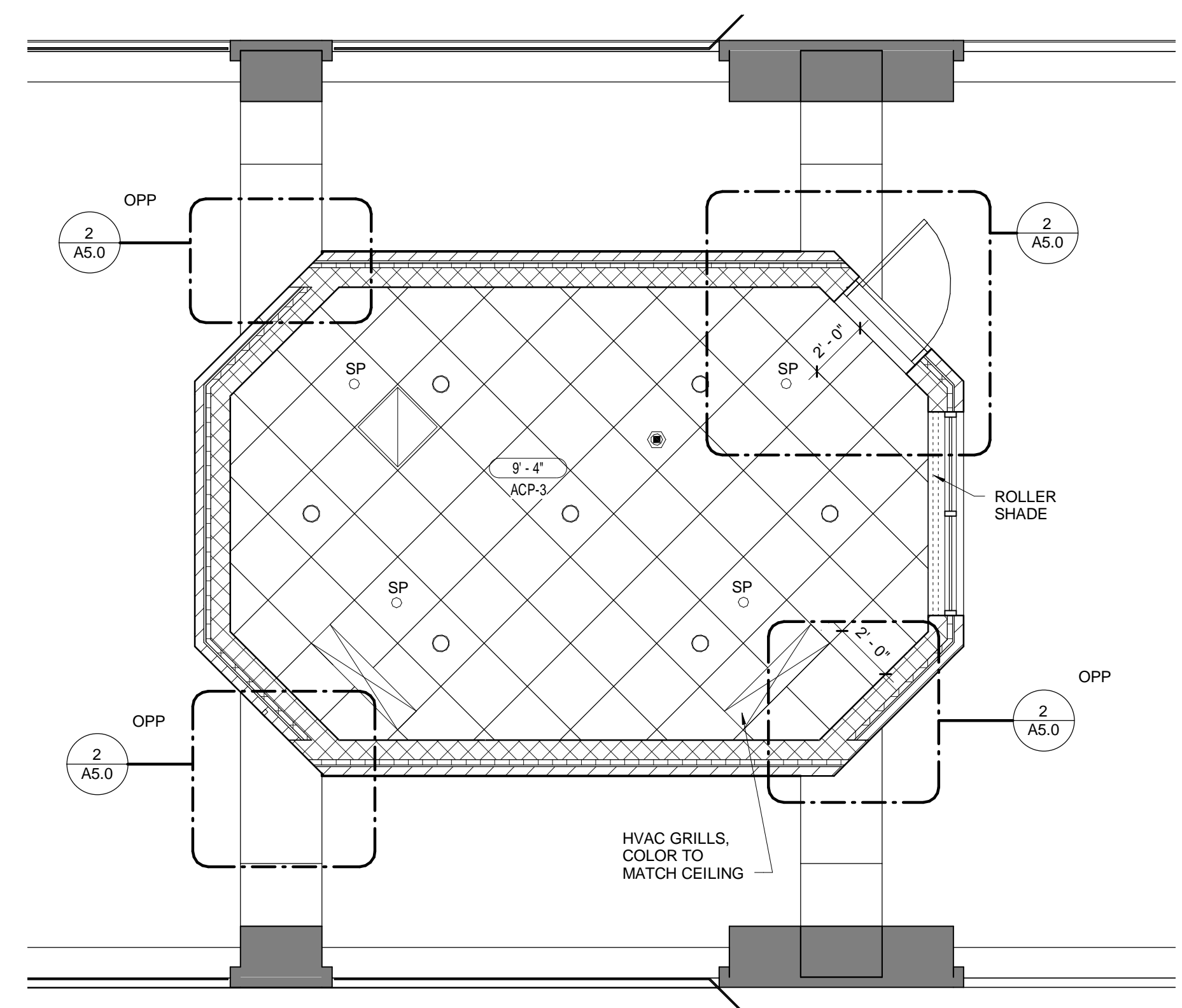
TOP EXISTING CONCRETE TO REMAIN WITH ARDEX CD WITH LIGHT BROOM FINISH. ALIGN EXISTING COURTS WITH NEW CONCRETE.

ALTERNATE 1



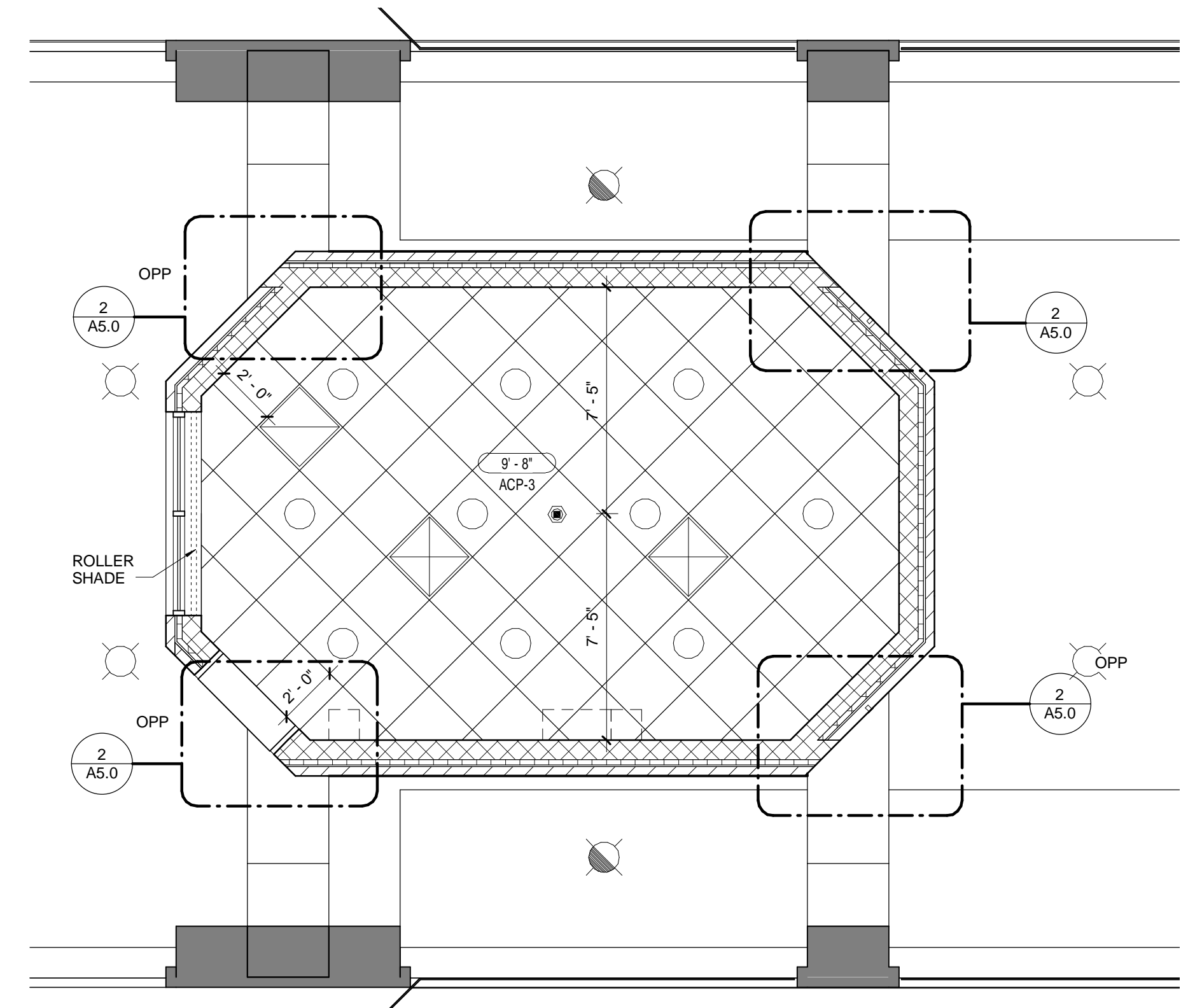
PLAN TRAINING ROOM
SCALE: 1/4" = 1'-0"

ALTERNATE 2



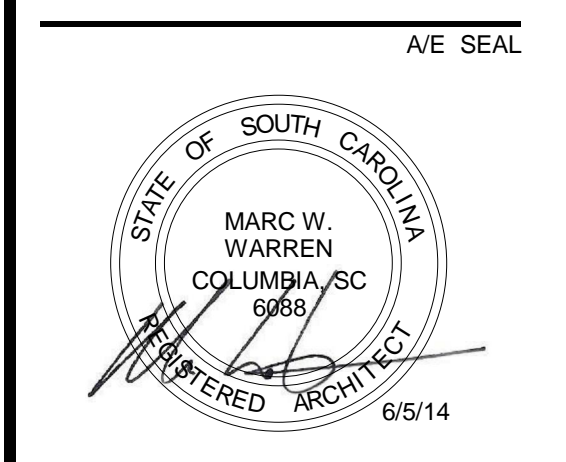
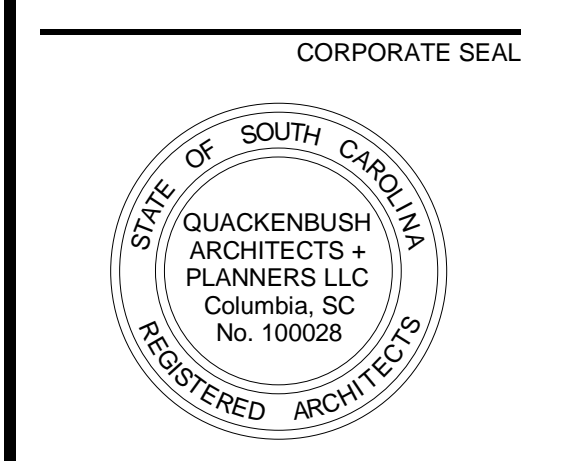
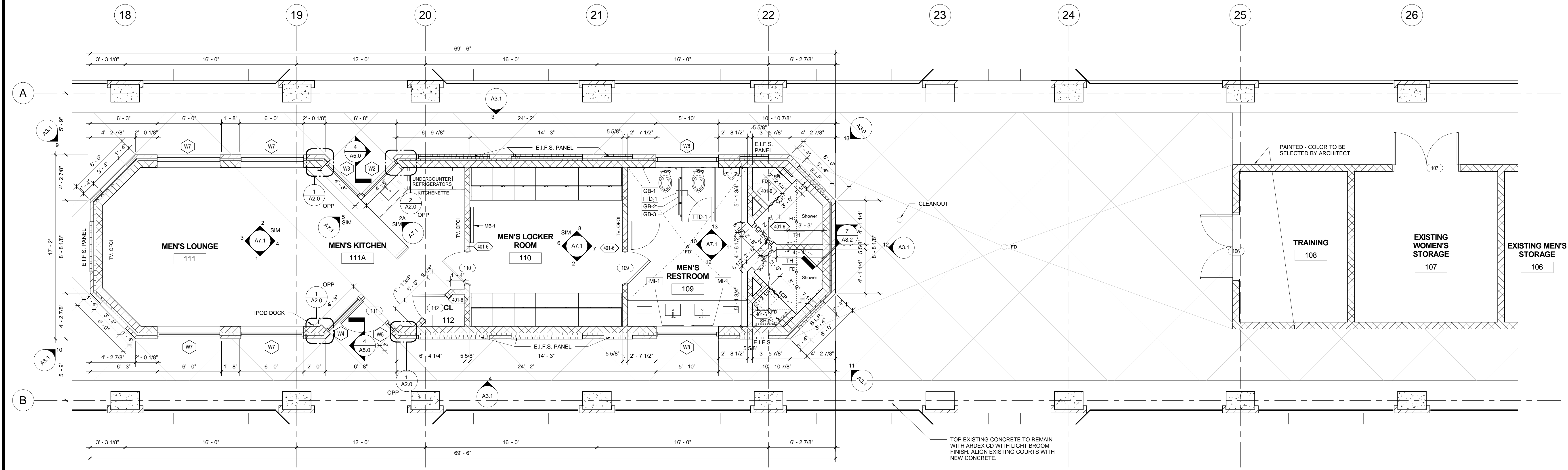
REFLECTED CEILING PLAN MEETING ROOM
SCALE: 1/4" = 1'-0"

ALTERNATE 1



REFLECTED CEILING PLAN TRAINING ROOM
SCALE: 1/4" = 1'-0"

NOTE: B.L.P. = BACK LIT PANEL BY OWNER



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

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REVISIONS	
NO.	DATE

SHEET INFORMATION	
Date	06/05/2014
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	KBF
Checked By	MWW
State Project #	H27-6102-AU

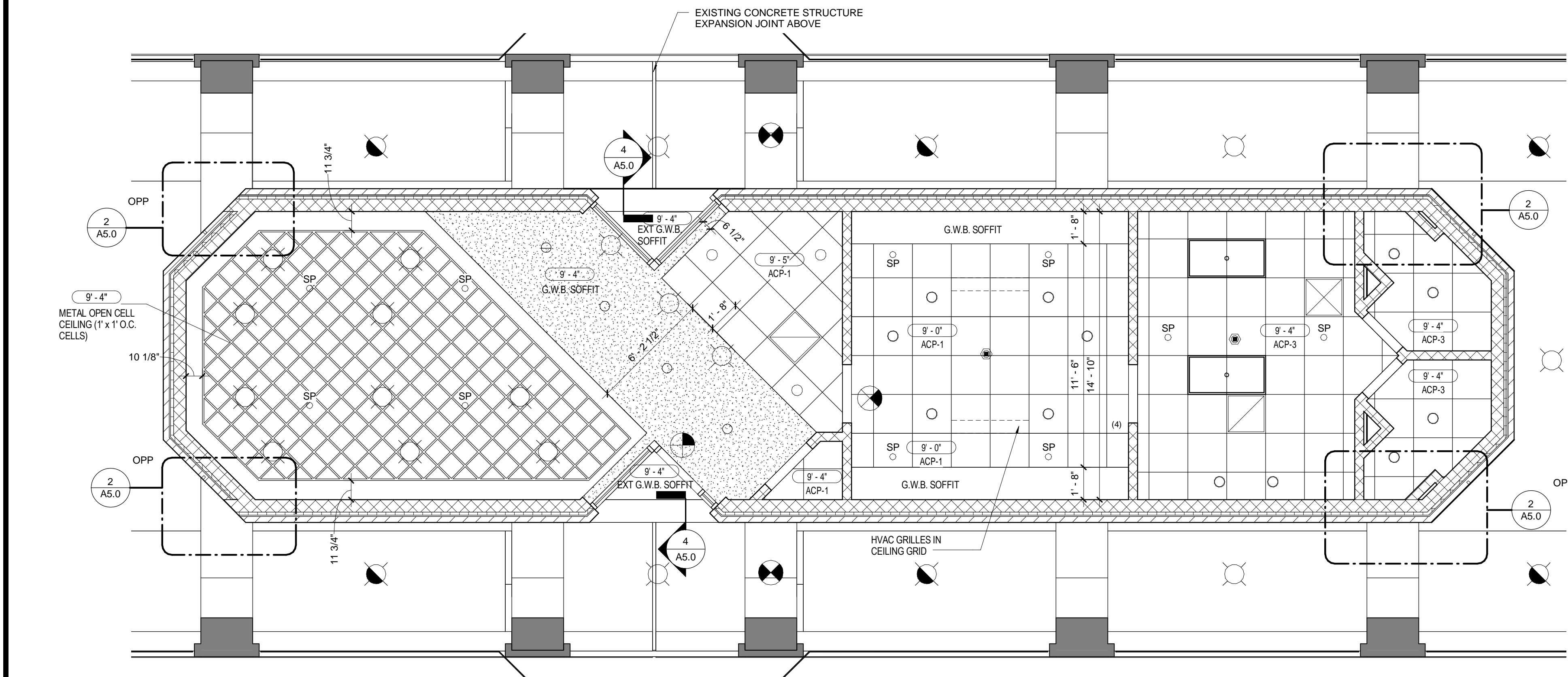
MEN'S TEAM ROOM PLAN

TITLE

SHEET NO.

A1.4

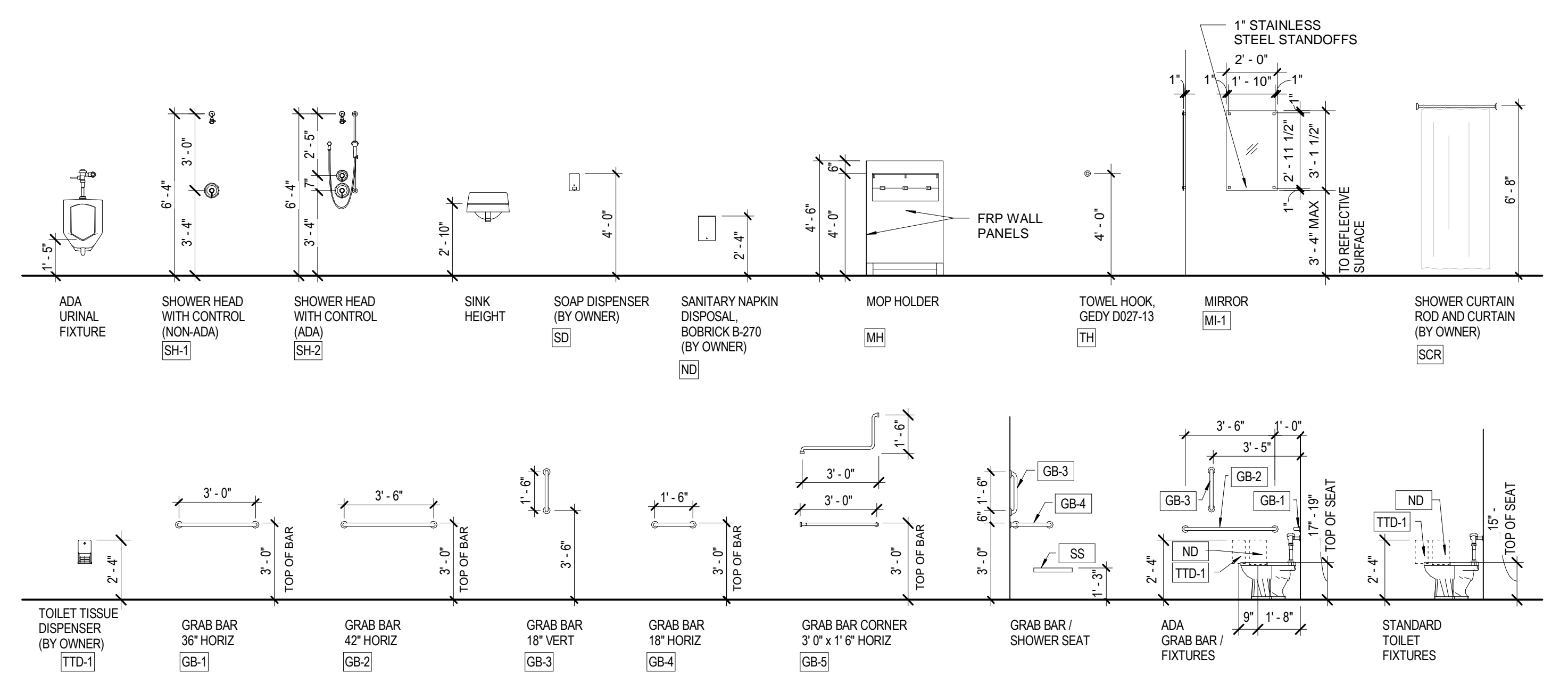
PLAN MEN'S LOCKER ROOM
SCALE: 1/4" = 1'-0"



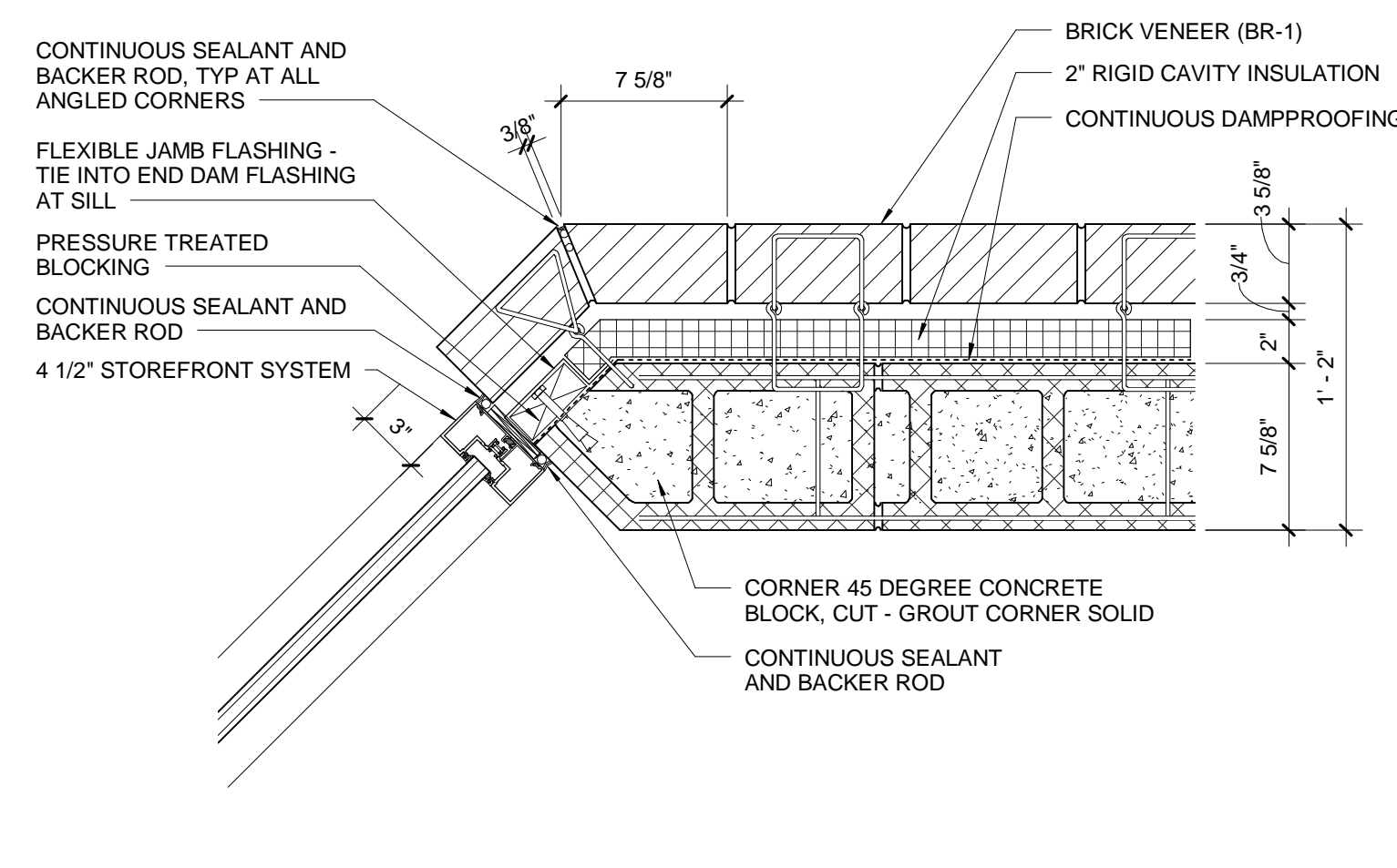
REFLECTED CEILING PLAN MEN'S TEAM ROOM
SCALE: 1/4" = 1'-0"

GENERAL ENLARGED PLAN NOTES

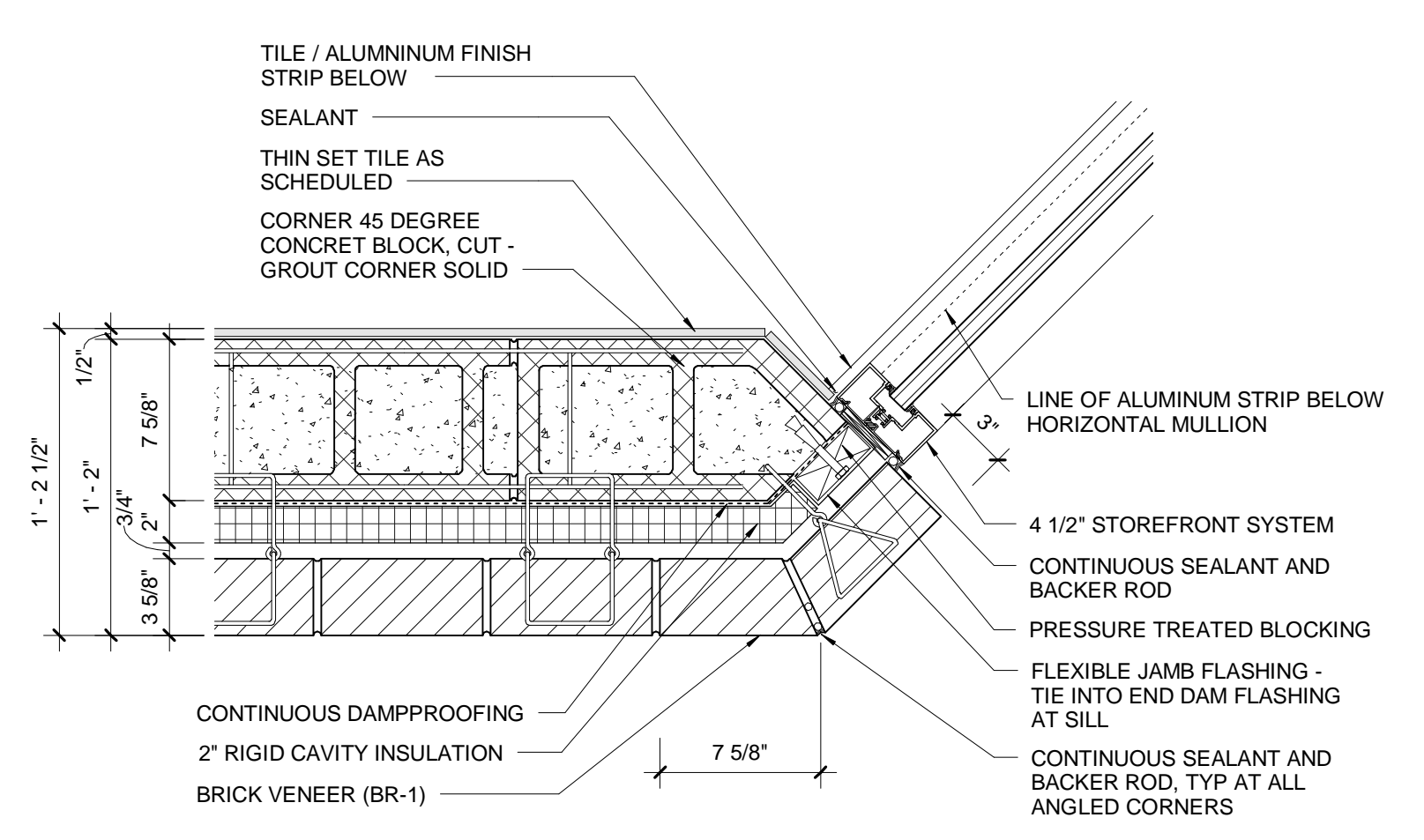
- A. DIMENSIONS INDICATED ON THESE DRAWINGS ARE TO FACE OF EXTERIOR VENEER, FACE OF CMU WALL, CENTERLINE OF COLUMN OR FACE OF STUD UNLESS OTHERWISE INDICATED. COORDINATE ALL DIMENSIONS WITH ENLARGED PLANS, SECTIONS, DETAIL DRAWINGS, AND STRUCTURAL DRAWINGS.
- B. DIMENSIONS INDICATED TO BE "CLEAR" OVERALL SHALL BE PROVIDED BETWEEN FINISHED PARTITIONS, CASEWORK, AND TOILET PARTITIONS (INCLUDING ALL FINISHES SUCH AS TOILET PARTITIONS). CLEAR DIMENSIONS ARE MINIMUM DIMENSIONS THAT SHALL BE MAINTAINED.
- C. ALL TOILET ROOM ACCESSORIES SHALL BE INSTALLED TO COMPLY WITH ADA AND ANSI A117.1-2009 HEIGHT AND ACCESS REQUIREMENTS.
- D. "FD" INDICATES FLOOR DRAIN. SEE PLUMBING AND DETAILS.
- E. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR TOILET ACCESSORY INSTALLATION.
- F. SEE INTERIOR ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.
- G. ALL FLOORS SHALL HAVE POSITIVE DRAINAGE TO FLOOR DRAINS. 1/16" MIN - 1/4" MAX AND COMPLY WITH ACCESSIBILITY REQUIREMENTS AT ALL TRANSITIONS.



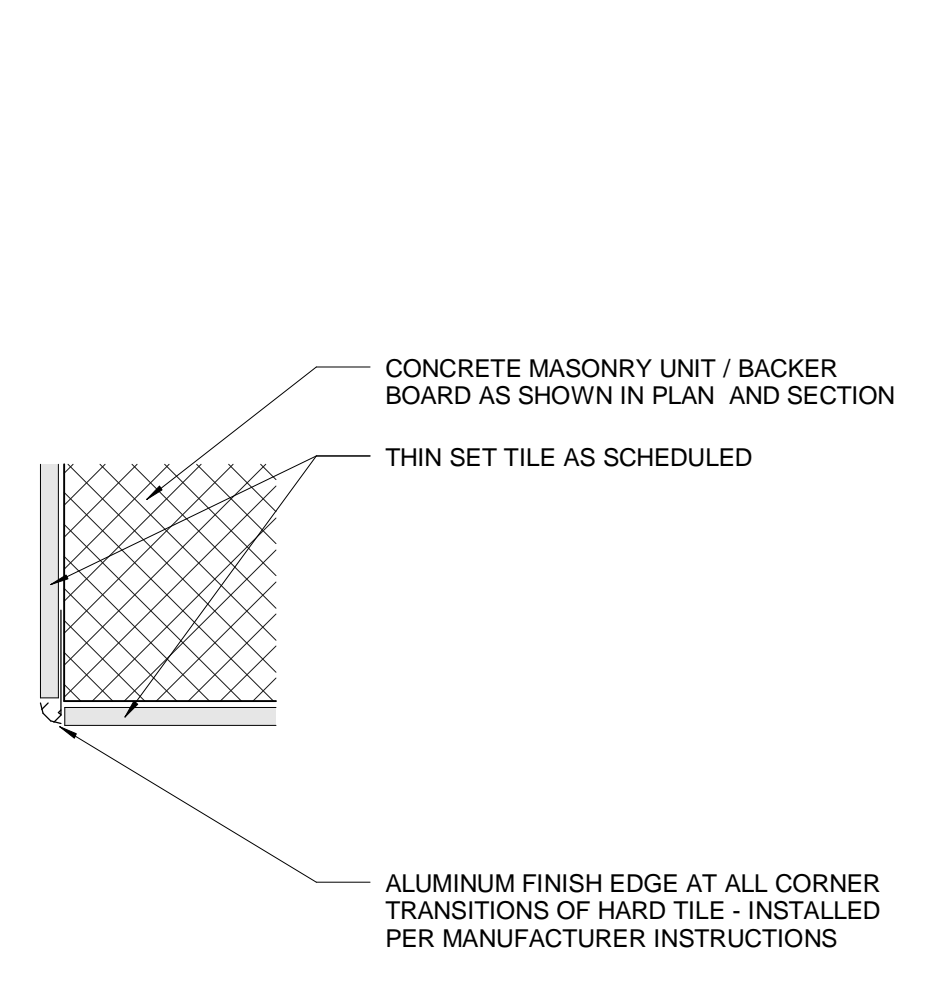
TOILET ACCESSORY / PLUMBING FIXTURE LEGEND



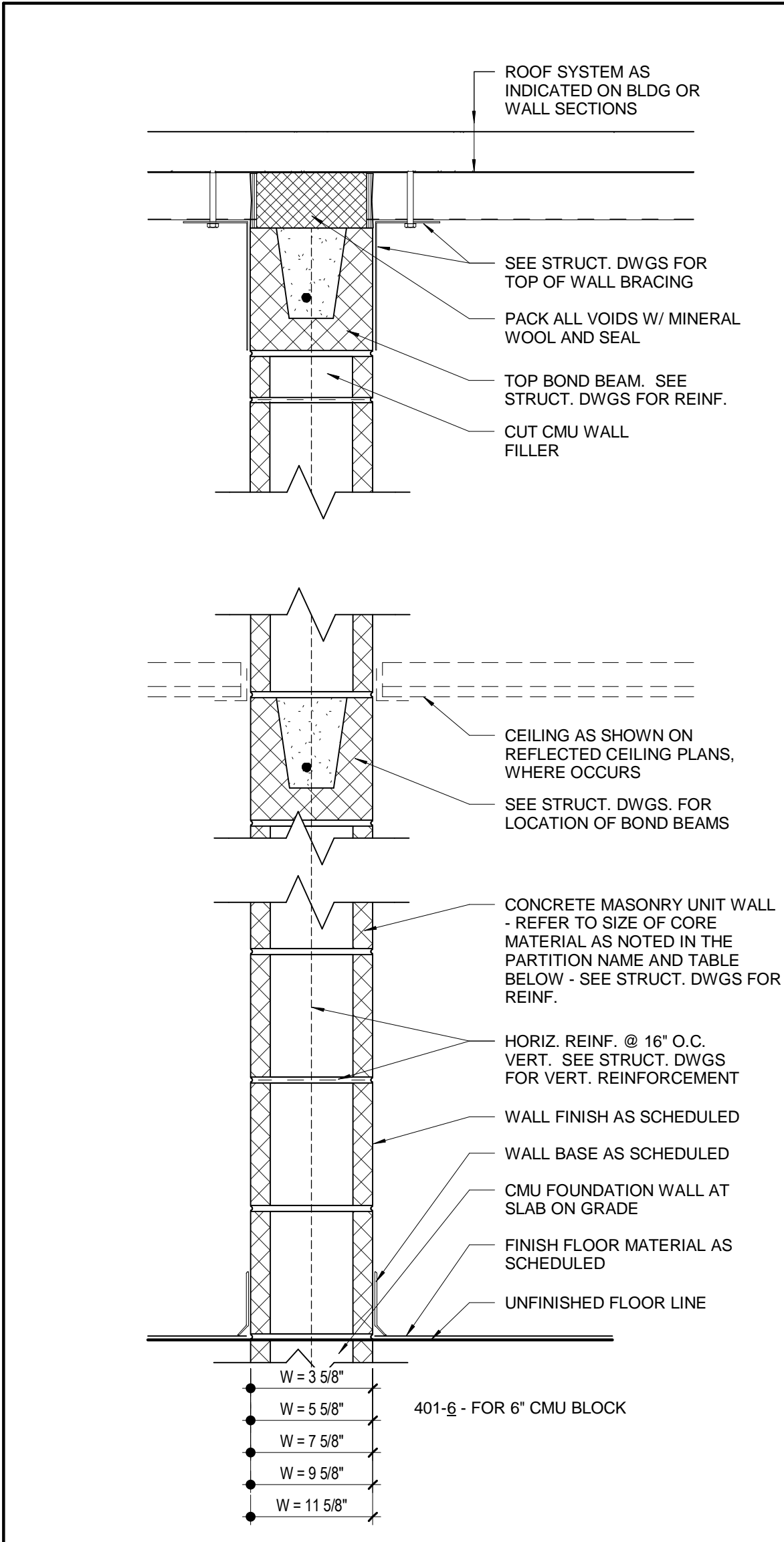
1
A2.0
SCALE: 1 1/2" = 1'-0"



2
A2.0
SCALE: 1 1/2" = 1'-0"



3
A2.0
SCALE: 3" = 1'-0"



PARTITION NAME	SIZE CORE MATERIAL	FIRE RATING	TEST NO.	ACOUSTIC RATING	SCALE
N/A	N/A				
401-6	5 5/8" (6)	N/A	N/A	44-60	1-1/2" = 1'-0"
N/A	N/A				
N/A	N/A				

PARTITION TYPE REFERENCE

CORE / STRUCTURAL MATERIAL (SPECIFICATION SECTION) NOMINAL SIZE OF CORE MATERIAL

XXX-XXX WALL MODIFIERS

FIRE RATING / SPECIALTY NUMBERING SEQUENCE

PARTITION TYPE CODING / LEGEND

CORE / STRUCTURAL MATERIAL (SPECIFICATION SECTION) NUMBERING SEQUENCE

3 CONCRETE	0-9 SEQUENTIAL NUMBERING
4 MASONRY (CMU)	CORE MATERIAL SIZE (NOMINAL SIZE)
5 STRUCTURAL METAL STUDS	2 2 1/2" METAL STUD
6 WOOD STUDS	3 3 5/8" METAL STUD
9 METAL STUDS (NON-STRUCTURAL)	4 4" METAL STUD / CMU
	6 6" METAL STUD / CMU / CONCRETE
	8 8" METAL STUD / CMU / CONCRETE
	12 12" METAL STUD / CMU / CONCRETE

FIRE RATING / SPECIALTY WALL MODIFIERS

0 NOT RATED	a ACOUSTIC BATTS
5 1/2 HOUR RATED	c CEMENT BOARD
1 1 HOUR RATED	m MOISTURE RESISTANT G.W.B.
2 2 HOUR RATED	r RESILIENT CHANNELS
3 3 HOUR RATED	s SECURITY MESH / MATERIAL
4 4 HOUR RATED	x LEAD LINING
S SMOKE PARTITION	
A ACOUSTIC / SOUND RATED PARTITION	

- GENERAL PARTITION TYPE NOTES**
- PARTITION TYPE DETAILS APPLY UNLESS INDICATED OTHERWISE ON WALL SECTIONS, SECTION DETAILS AND PLAN DETAILS.
 - PARTITION WALLS THAT ARE PARALLEL WITH COLUMN LINES SHALL BE CENTERED ON COLUMN LINES UNLESS NOTED OTHERWISE.
 - ANY WALLS SHOWN AS MASONRY ON THE PLANS BUT NOT TAGGED AS PARTITION OR DETAILED ELSEWHERE IN THE DRAWINGS SHALL BE ASSUMED TO BE PARTITION TYPE 401-6. CONFIRM WITH ARCHITECT PRIOR TO CONSTRUCTION.
 - PROVIDE DRAFT STOP AT TOP OF ALL WALL ASSEMBLIES THAT DO NOT CONTINUE TIGHT TO STRUCTURE - INCLUDING PLUMBING CAVITY.
 - CONTROL JOINTS:
 - CONTROL JOINTS IN CMU (C) SHALL BE AS SHOWN OR 40" O.C. MAX. IF NOT SHOWN.
 - GYP/PSUM BOARD / METAL STUDS (C) SHALL BE AS SHOWN OR 20" O.C. MAX. IF NOT SHOWN.
 - GENERAL CONTRACTOR OR BUILDING / FINISH CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL OPENINGS AND HOLES (INCLUDING THOSE REQUIRED FOR DUCTWORK AND LARGE SYSTEM PIPING, CONDUIT AND CABLE TRAY) IN WALLS INCLUDING SECTIONS, SIZE, LOCATION, AND DETAIL INFORMATION AS PART OF COORDINATION DRAWINGS.
 - LARGE HOLES FOR DUCTWORK, LARGE GROUPS OF PIPING OR CONDUIT, AND CABLE TRAY SHALL BE FORMED AS MASONRY WALLS ARE CONSTRUCTED AND SHALL INCLUDE LINTEL OVERHEAD AND REINFORCING ON ALL SIDES AS SHOWN ON THE STRUCTURAL DRAWINGS. HOLES FOR DUCTWORK MAY NOT BE CUT AFTER WALLS ARE CONSTRUCTED. LARGE GROUPS OF PIPING OR CONDUIT SHALL BE INCLUDED ON COORDINATION DRAWINGS AND LOCATIONS SHALL BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
 - ALL PIPE AND CONDUIT PENETRATIONS THRU CMU WALLS SHALL BE SEALED. HOLES SHALL BE NO GREATER THAN 1" OVER THE PIPE OR CONDUIT SIZE WHERE PENETRATIONS ARE EXPOSED TO VIEW. ESCUTCHEON PLATE SHALL BE PROVIDED BY SUB-CONTRACTOR OR MULTI-PRIME CONTRACTOR. PLATE SHALL BE PAINTABLE AND PAINTED TO MATCH ADJACENT WALL.
 - AT ALL PENETRATIONS AT RATED WALLS AND FLOOR / CEILING ASSEMBLIES, PROVIDE UL LISTED FIRE RESISTIVE SEALANT / FIRE STOP SYSTEM TO MATCH THE FIRE RESISTANCE OF WALL AND FLOOR / CEILING ASSEMBLY. SYSTEM SHALL BE COMPATIBLE WITH ADJACENT SUBSTRATES. SUBMIT PENETRATION ASSEMBLY INFORMATION AND PRODUCT INFORMATION FOR ALL CONDITIONS FOR THE ARCHITECTS REVIEW.
 - AT ALL WALLS NOTED TO EXTEND TO DECK, ALL PENETRATIONS SHALL BE SEALED (INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.) WHERE JOISTS PENETRATE WALLS EXTENDING TO DECK. GYPSUM BOARD SHALL BE INFILLED AROUND JOISTS AND GAPS FILLED WITH INSULATION.
 - AT EXISTING CONCRETE BEAMS MAINTAIN 1/2" GAP AT TOP OF CMU WALLS. INSTALL BACKER ROD AND SEALANT BOTH SIDES.

CORPORATE SEAL

AE SEAL

PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

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REVISIONS

NO.	REVISION	DATE

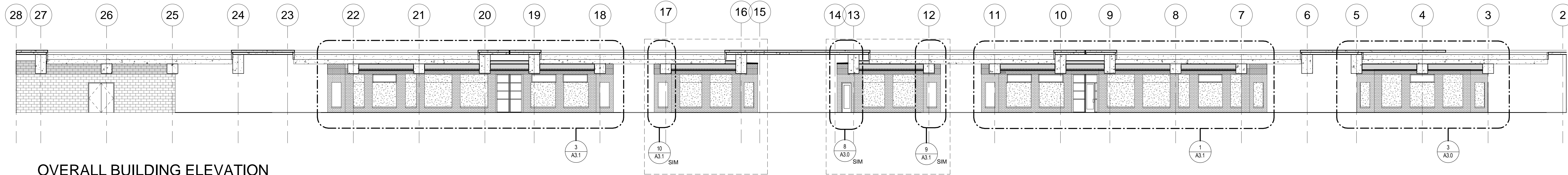
SHEET INFORMATION

Date 06/05/2014
Project No. 12.130.09
Scale As indicated
Drawn By KBF
Checked By MWW
State Project #. H27-6102-AU

TITLE

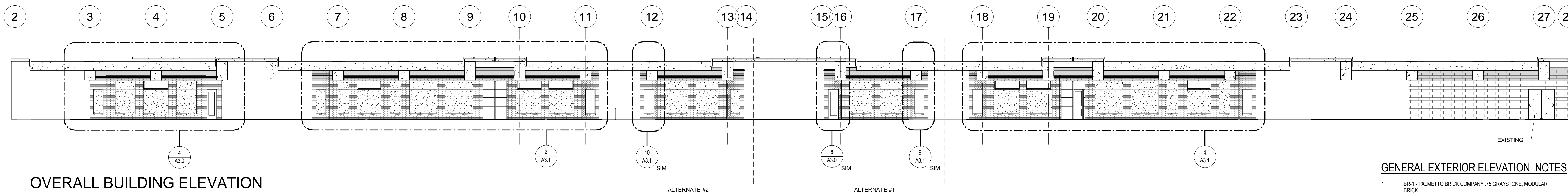
PARTITION TYPES / PLAN DETAILS / CEILING DETAILS

SHEET NO.
A2.0



OVERALL BUILDING ELEVATION NORTH

1
A3.0 SCALE: 3/32" = 1'-0"



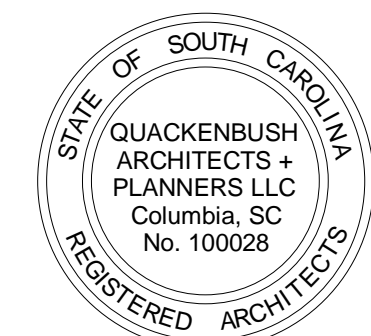
OVERALL BUILDING ELEVATION SOUTH

2
A3.0 SCALE: 3/32" = 1'-0"

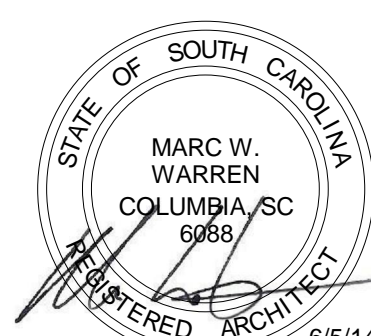
GENERAL EXTERIOR ELEVATION NOTES

- BR-1 - PALMETTO BRICK COMPANY 75 GRAYSTONE, MODULAR BRICK
- STOREFRONT - CLEAR ANODIZED ALUMINUM 2' x 4 1/2' CENTER SET STOREFRONT SYSTEM, EXTERIOR GLAZED.
- GLASS - 1" INSULATED CLEAR GLASS WITH SN54 ON #2 SURFACE
- SPANDREL GLASS - 1" INSULATED CLEAR GLASS WITH SN54 ON #2 SURFACE AND WARM GRAY CERAMIC FIT ON #4 SURFACE.
- FLASHING - BLACK ALUMINUM GRAVEL STOP FLASHING

CORPORATE SEAL



A/E SEAL



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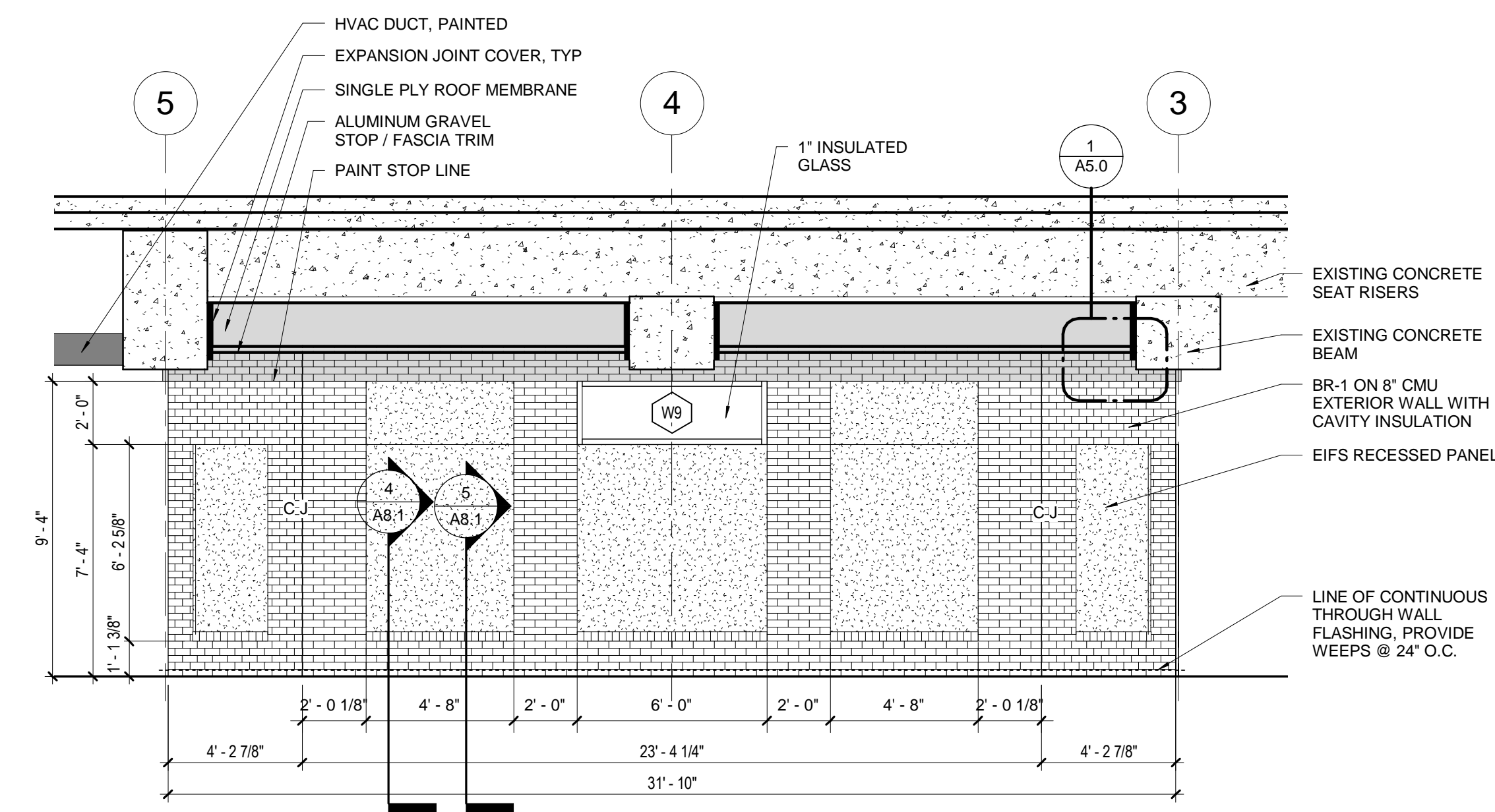
REVISIONS	
NO.	DATE

SHEET INFORMATION	
Date	06/05/2014
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State Project #.	H27-6102-AU

EXTERIOR BUILDING ELEVATIONS

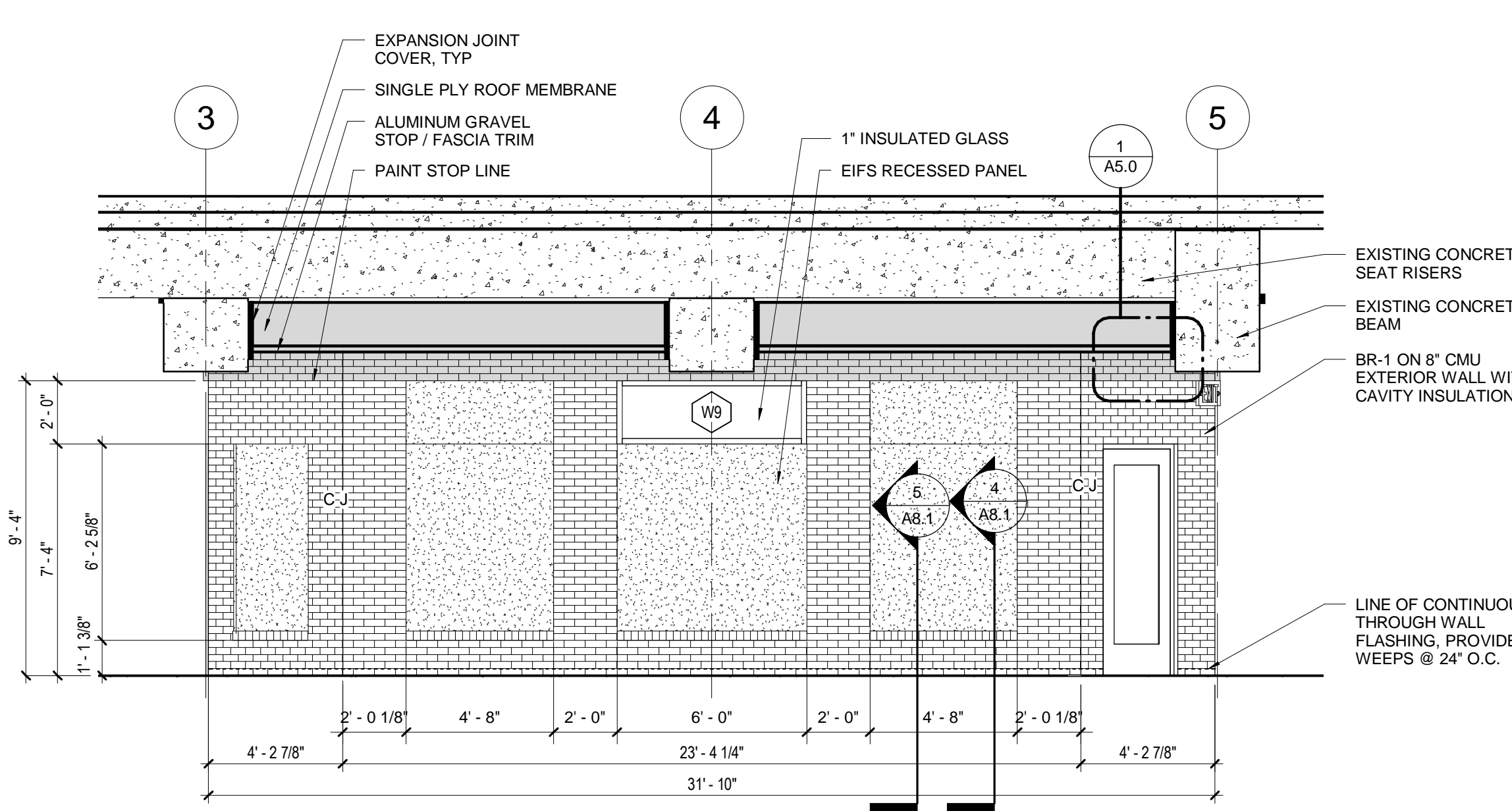
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A3.0



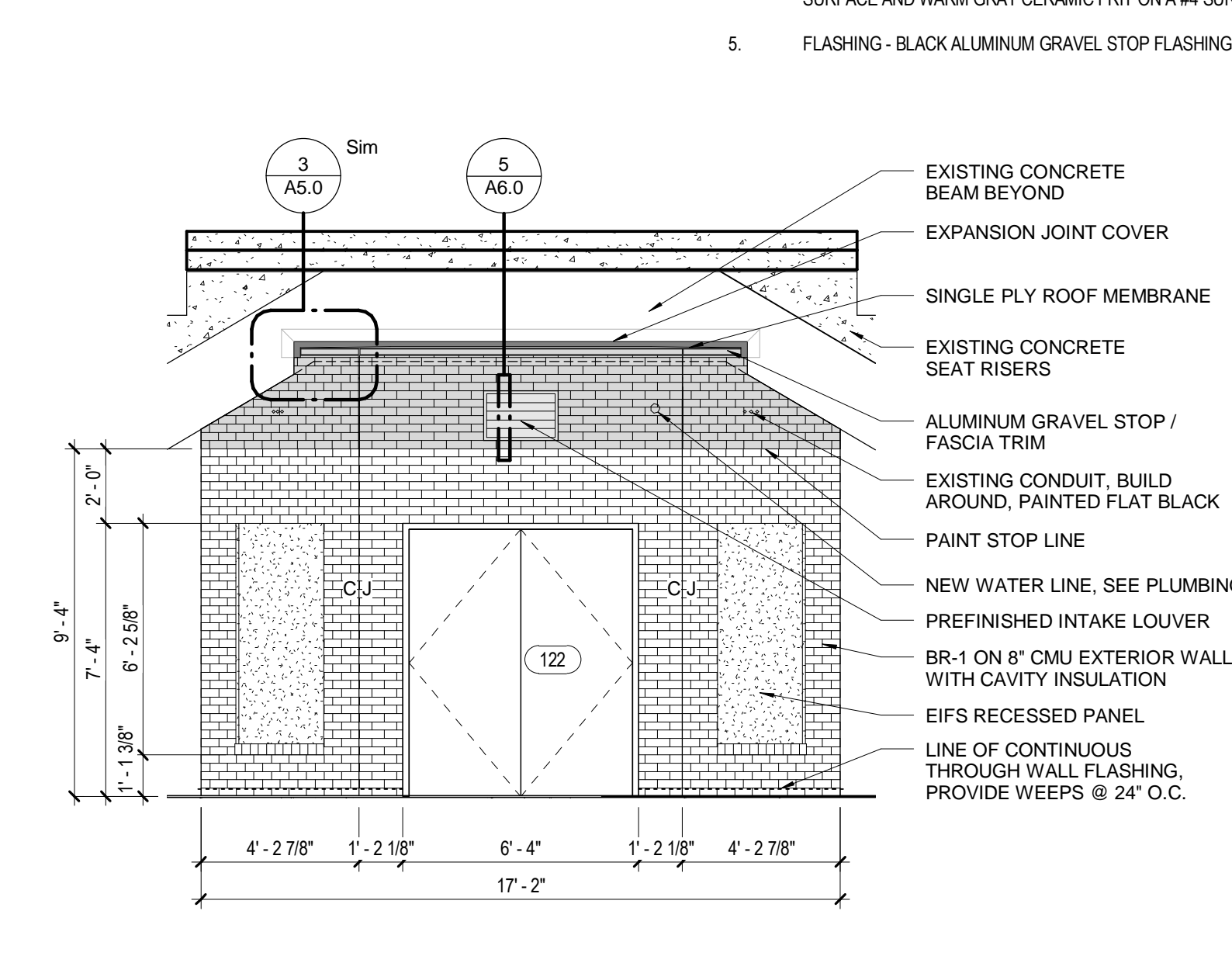
3 EXTERIOR VISITOR NORTH

A3.0 SCALE: 1/4" = 1'-0"



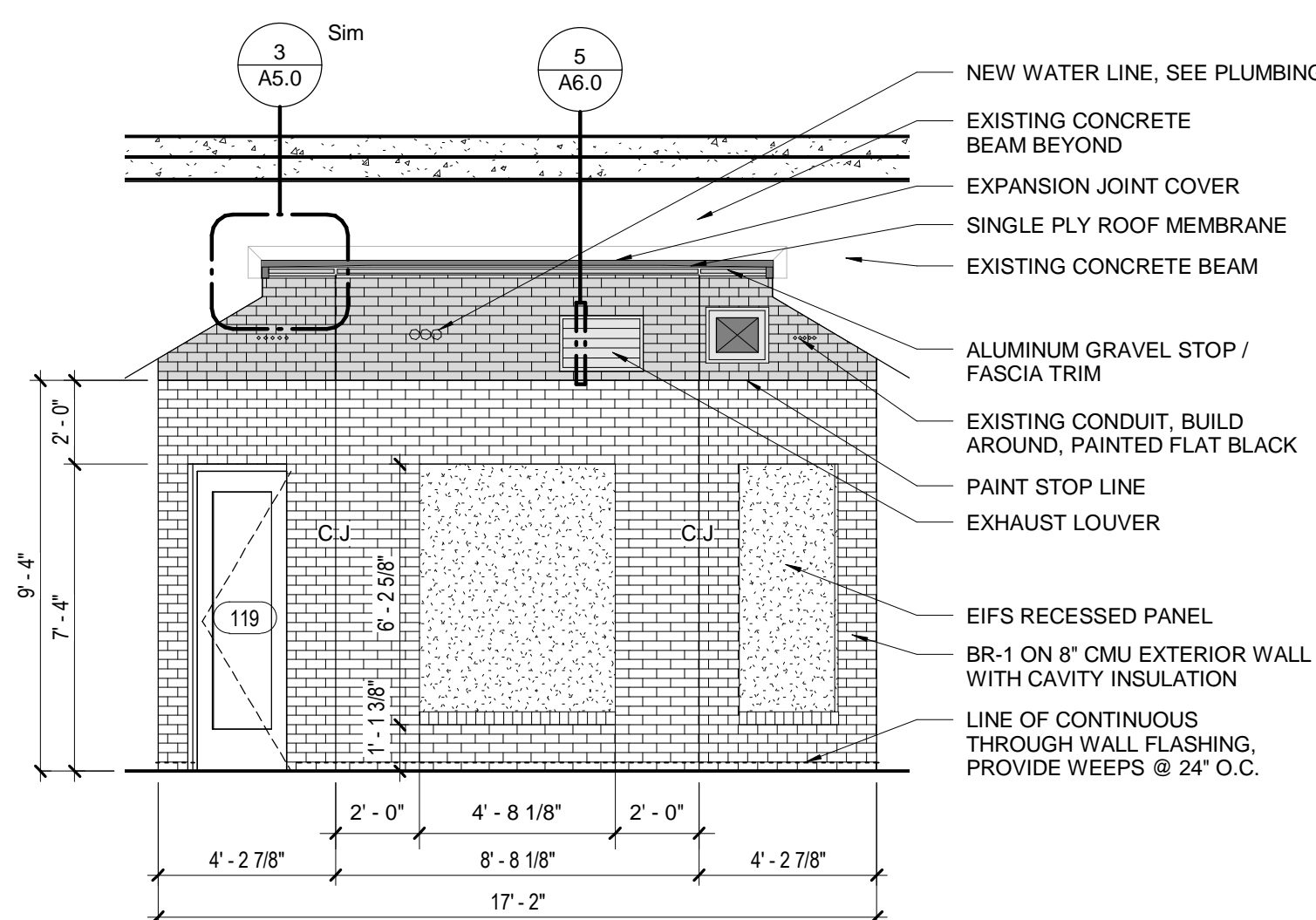
4 EXTERIOR VISITOR SOUTH

A3.0 SCALE: 1/4" = 1'-0"



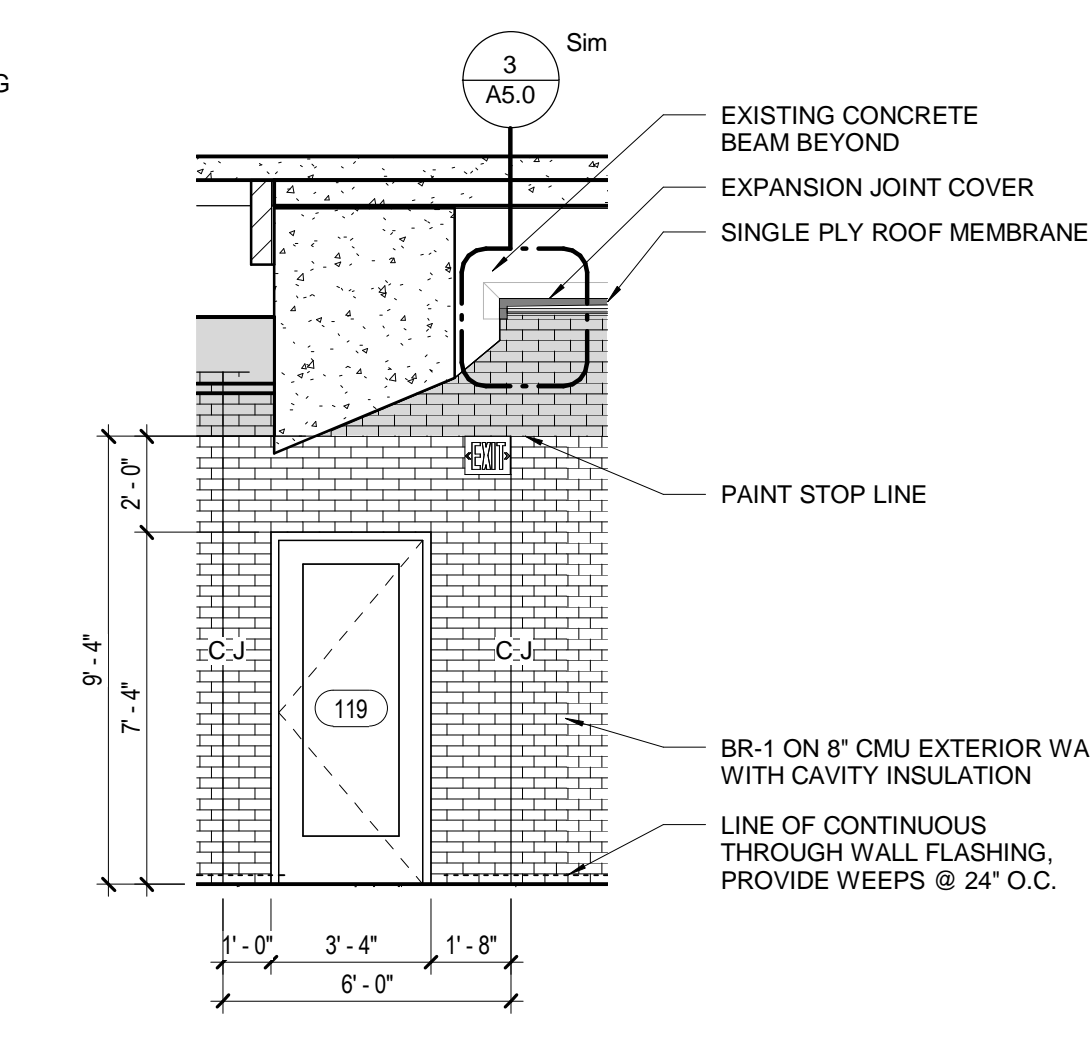
5 EXTERIOR VISITOR WEST

A3.0 SCALE: 1/4" = 1'-0"



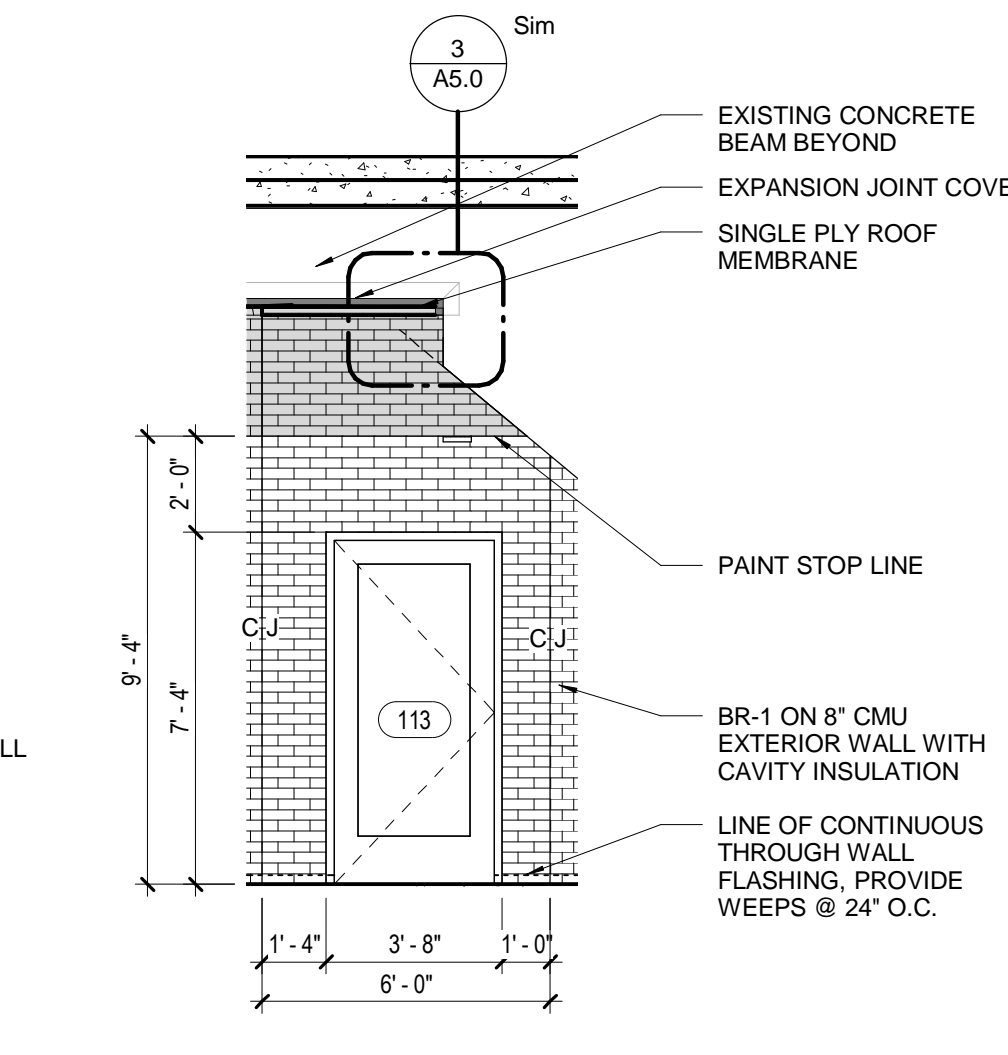
6 EXTERIOR VISITOR EAST

A3.0 SCALE: 1/4" = 1'-0"



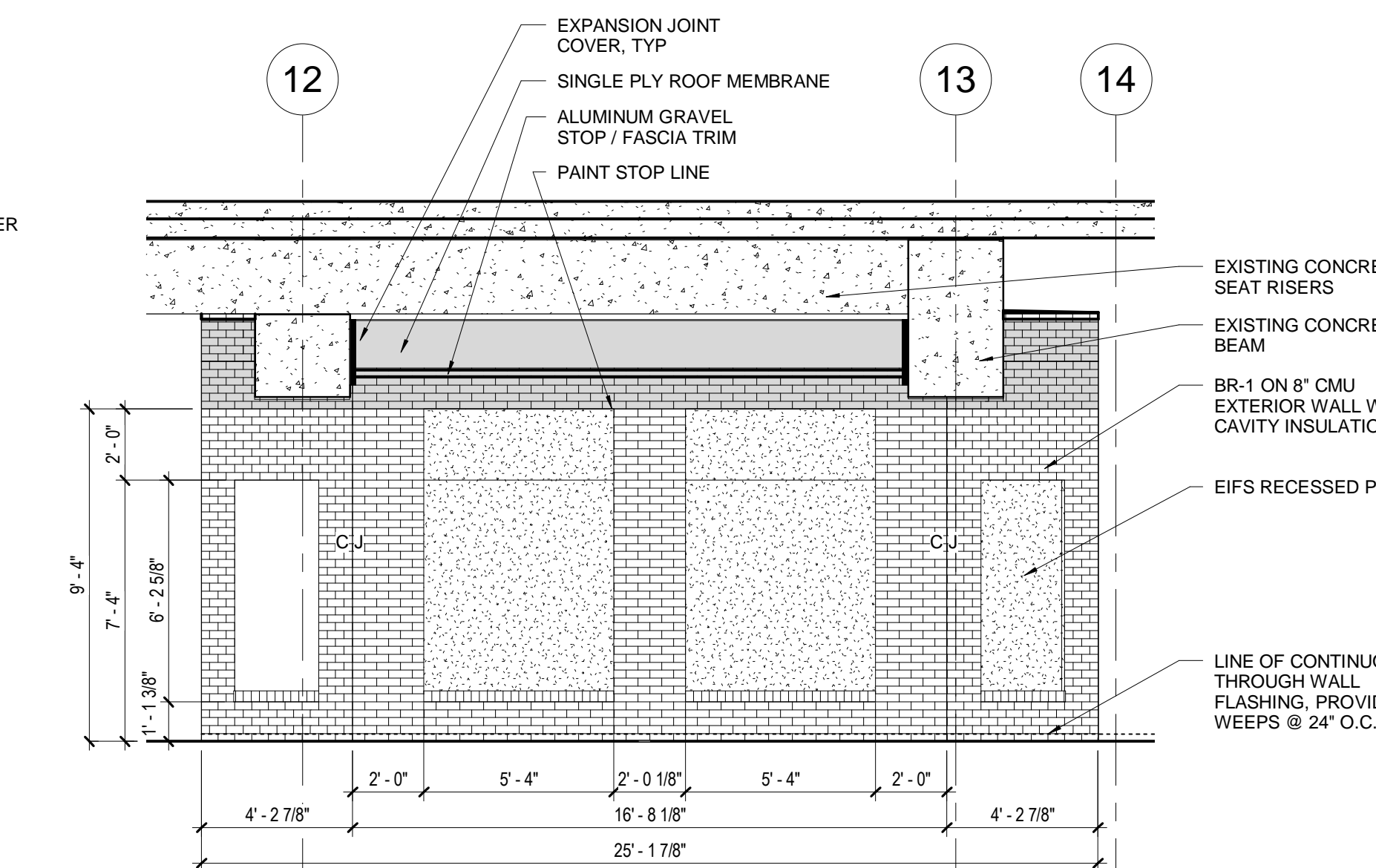
7 VISITOR SOUTHEAST

A3.0 SCALE: 1/4" = 1'-0"



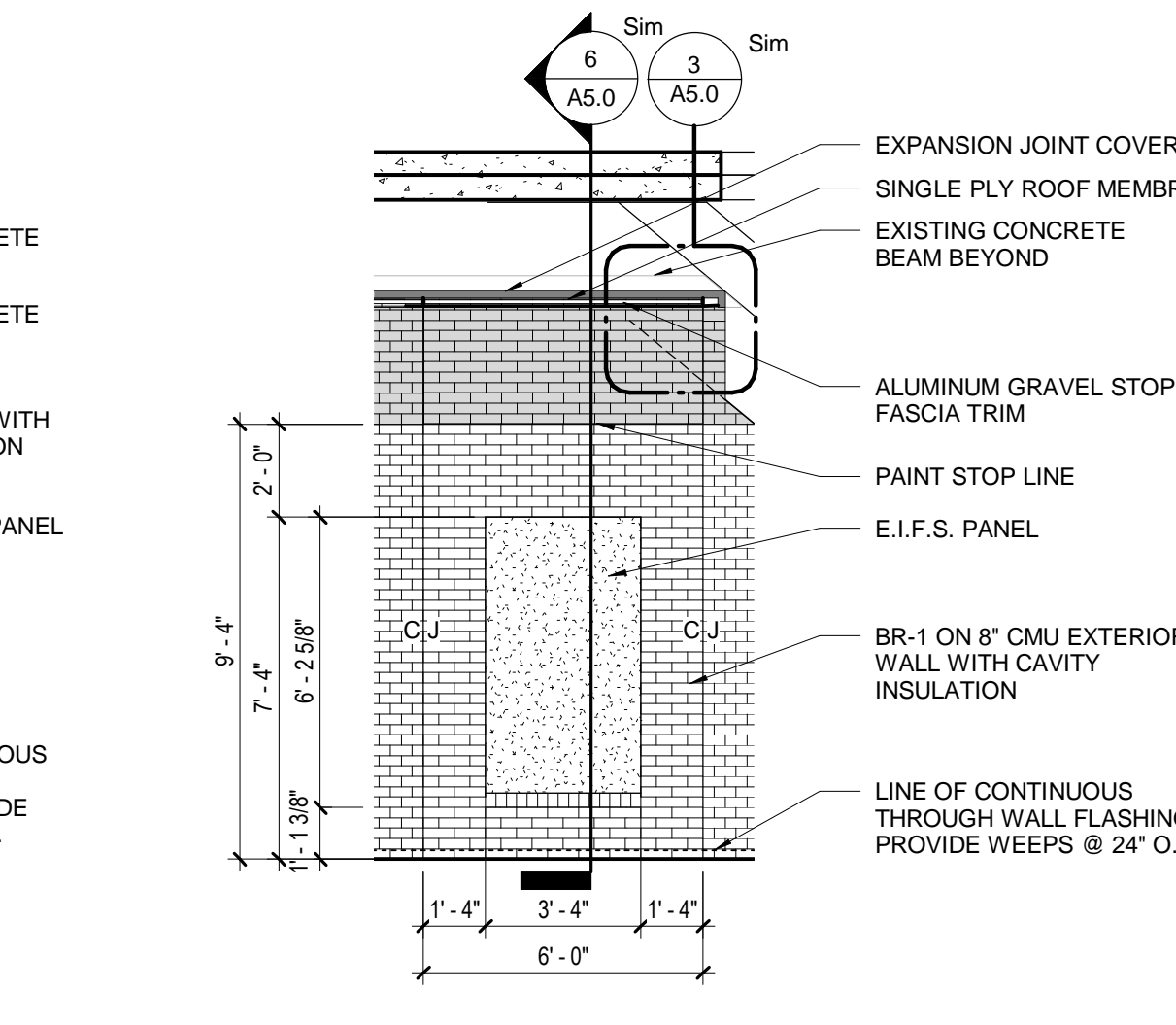
8 TRAINING SOUTHWEST

A3.0 SCALE: 1/4" = 1'-0"



9 EXTERIOR ELEVATION

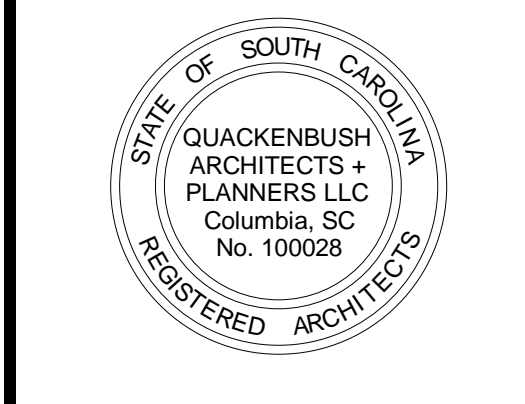
A3.0 SCALE: 1/4" = 1'-0"



10 TYPICAL BUILDING CORENER

A3.0 SCALE: 1/4" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST. COLUMBIA, SC 29201

RE-BID SET

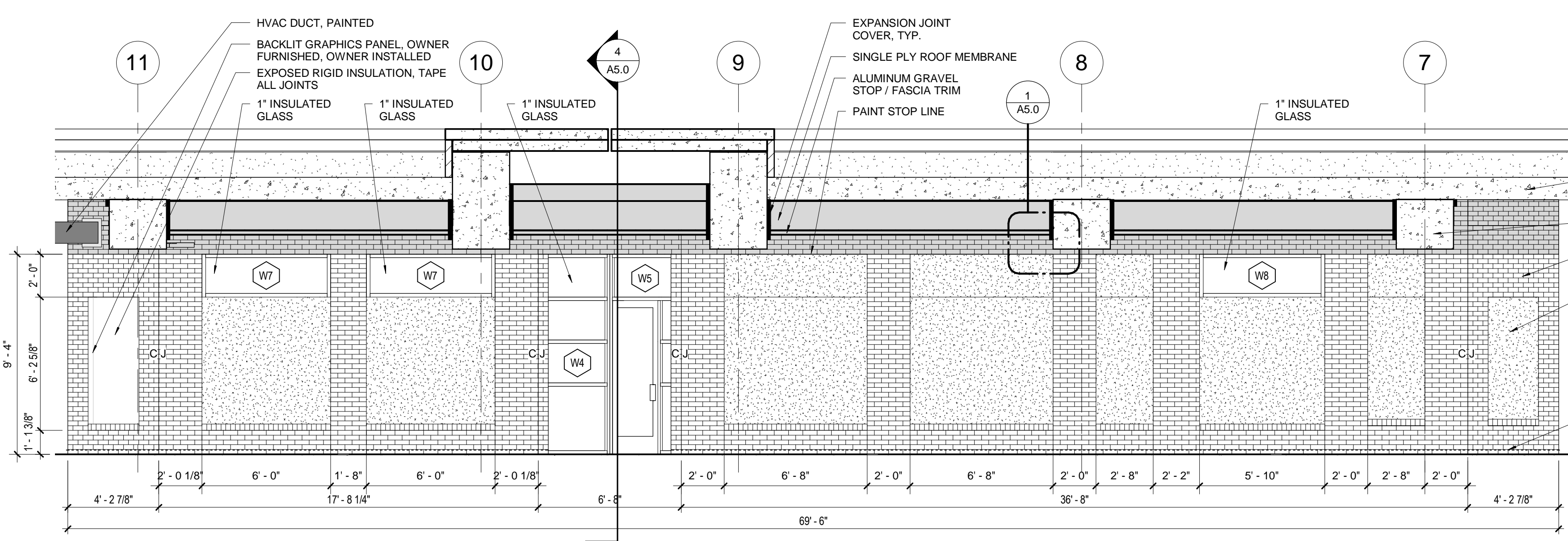
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REVISIONS		
NO	REVISION	DATE

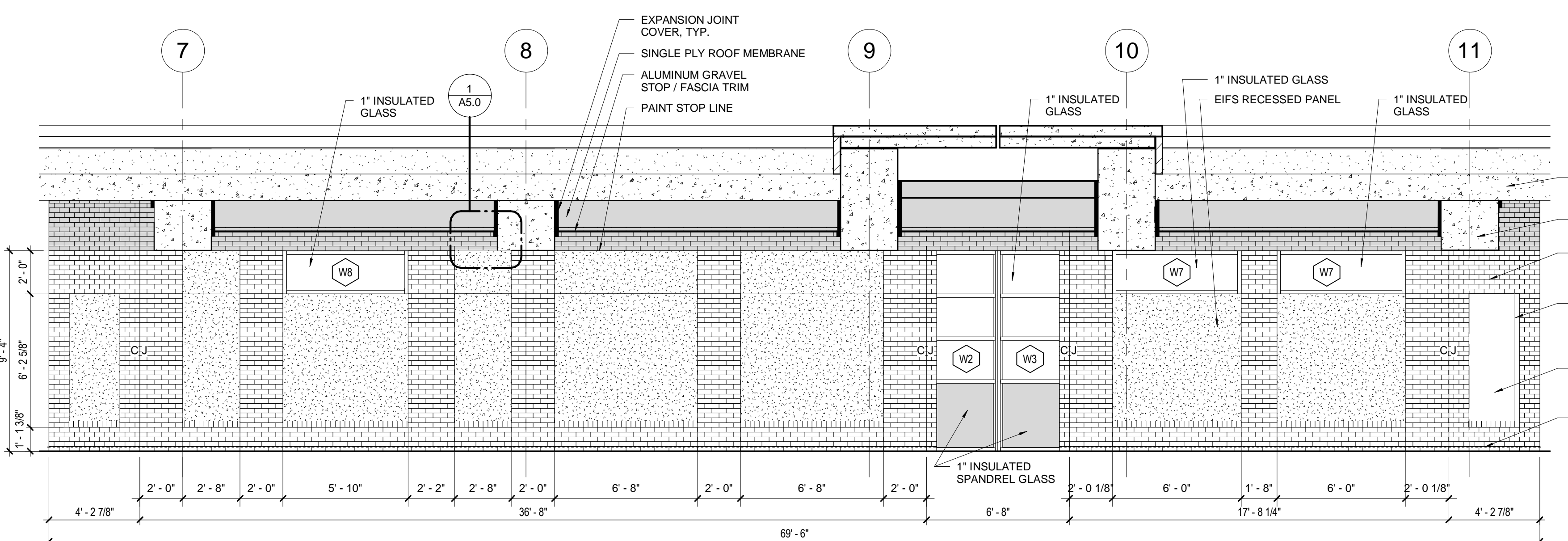
SHEET INFORMATION	
Date	06/05/2014
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	KBF
Checked By	MWW
State Project #	H27-6102-AU

EXTERIOR BUILDING ELEVATIONS

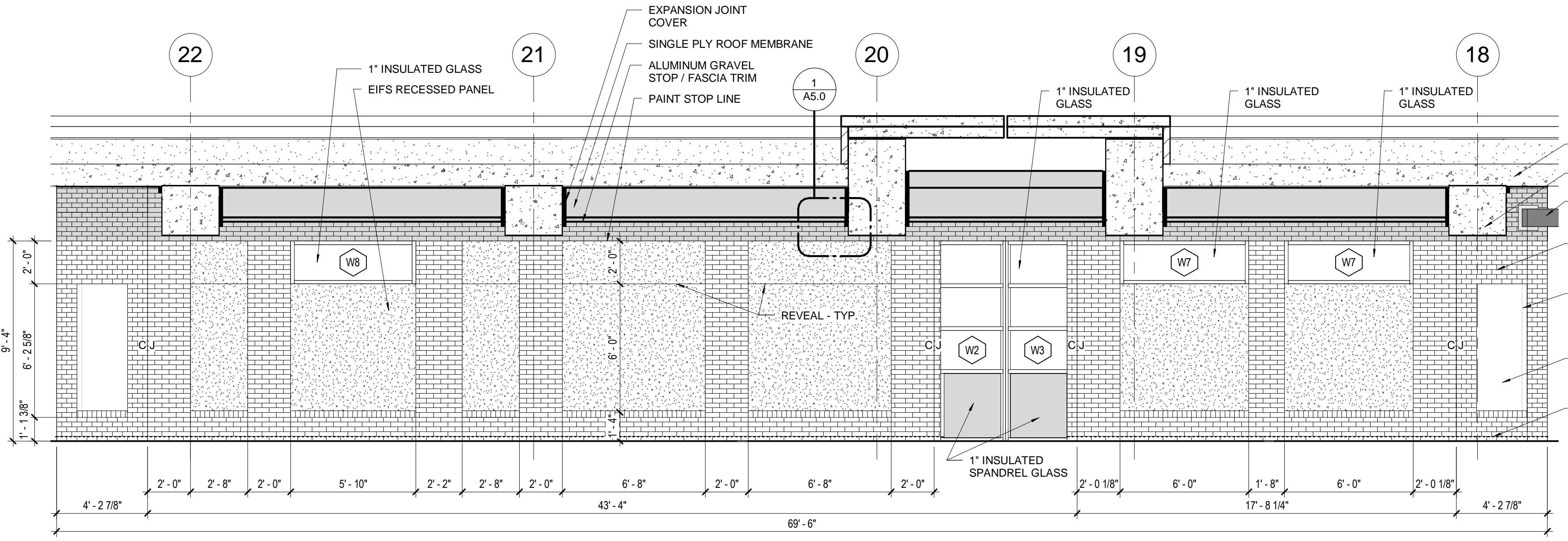
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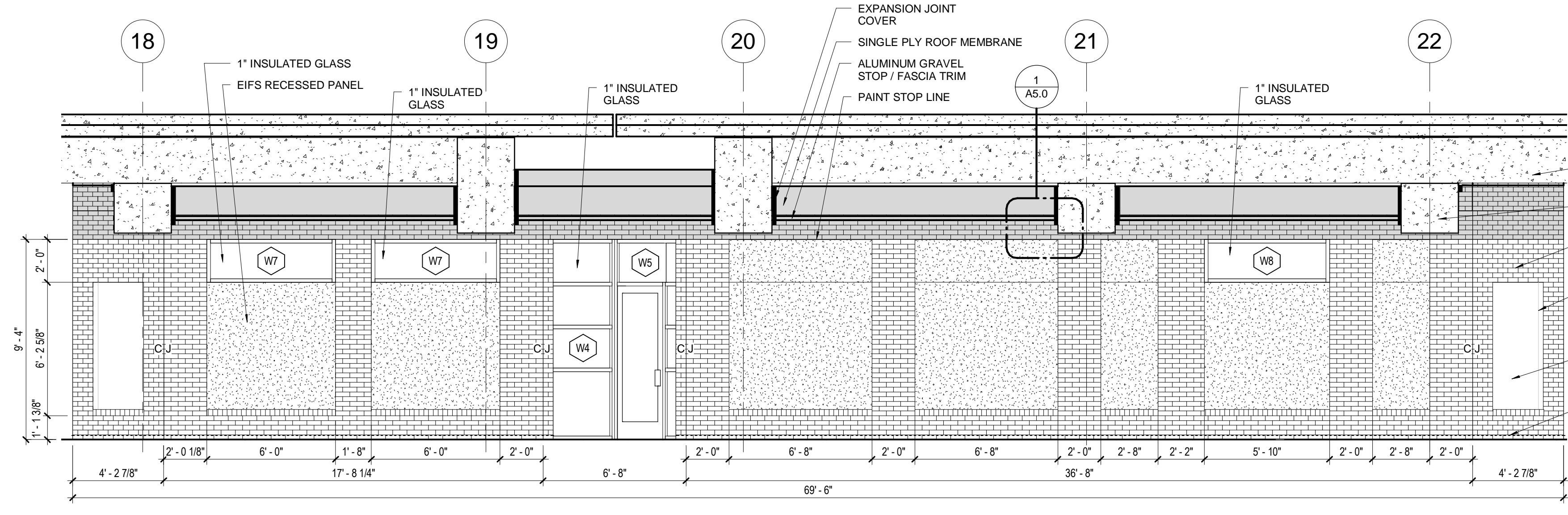
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SCALE: 1/4" = 1'-0"



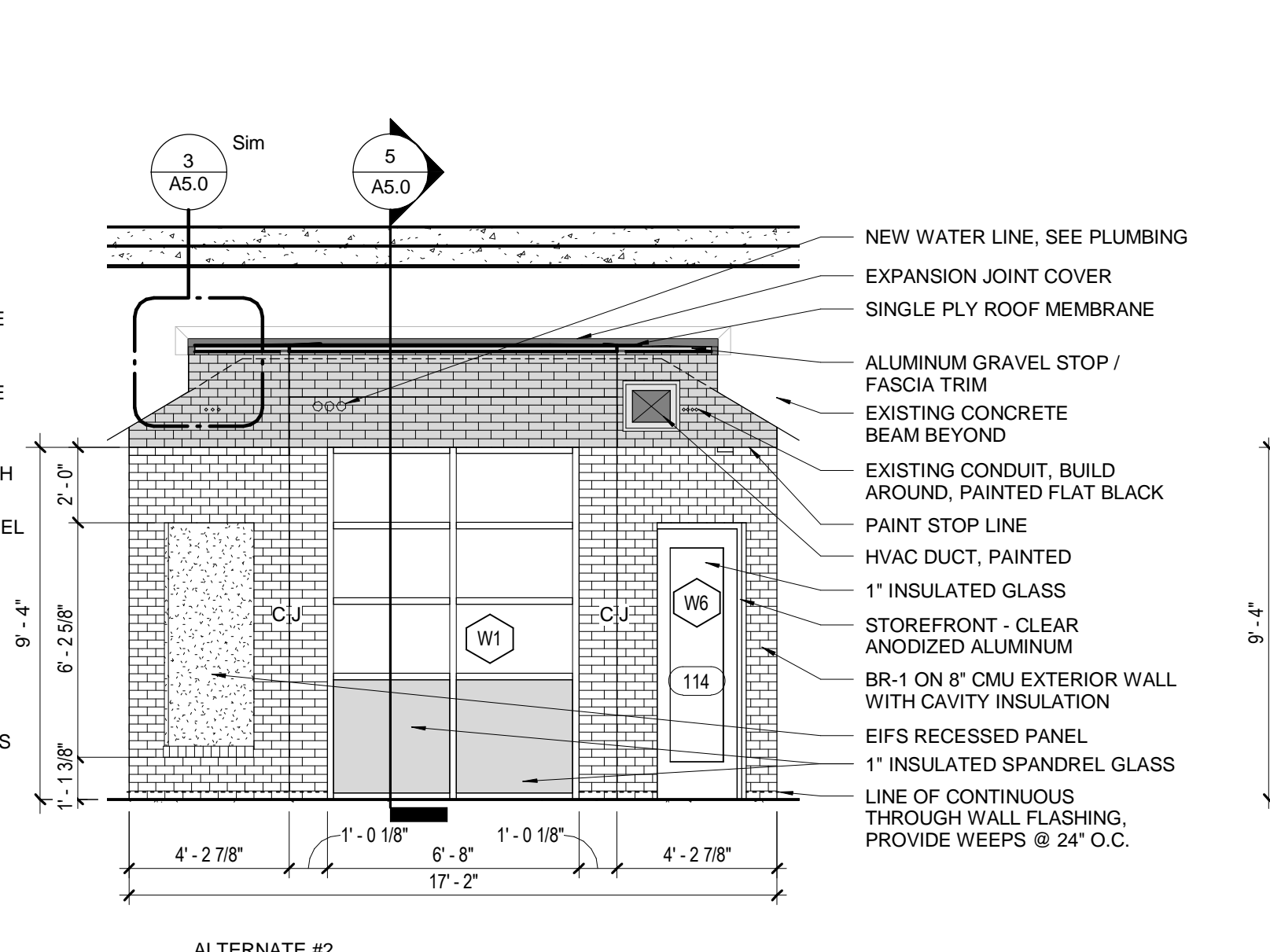
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SCALE: 1/4" = 1'-0"



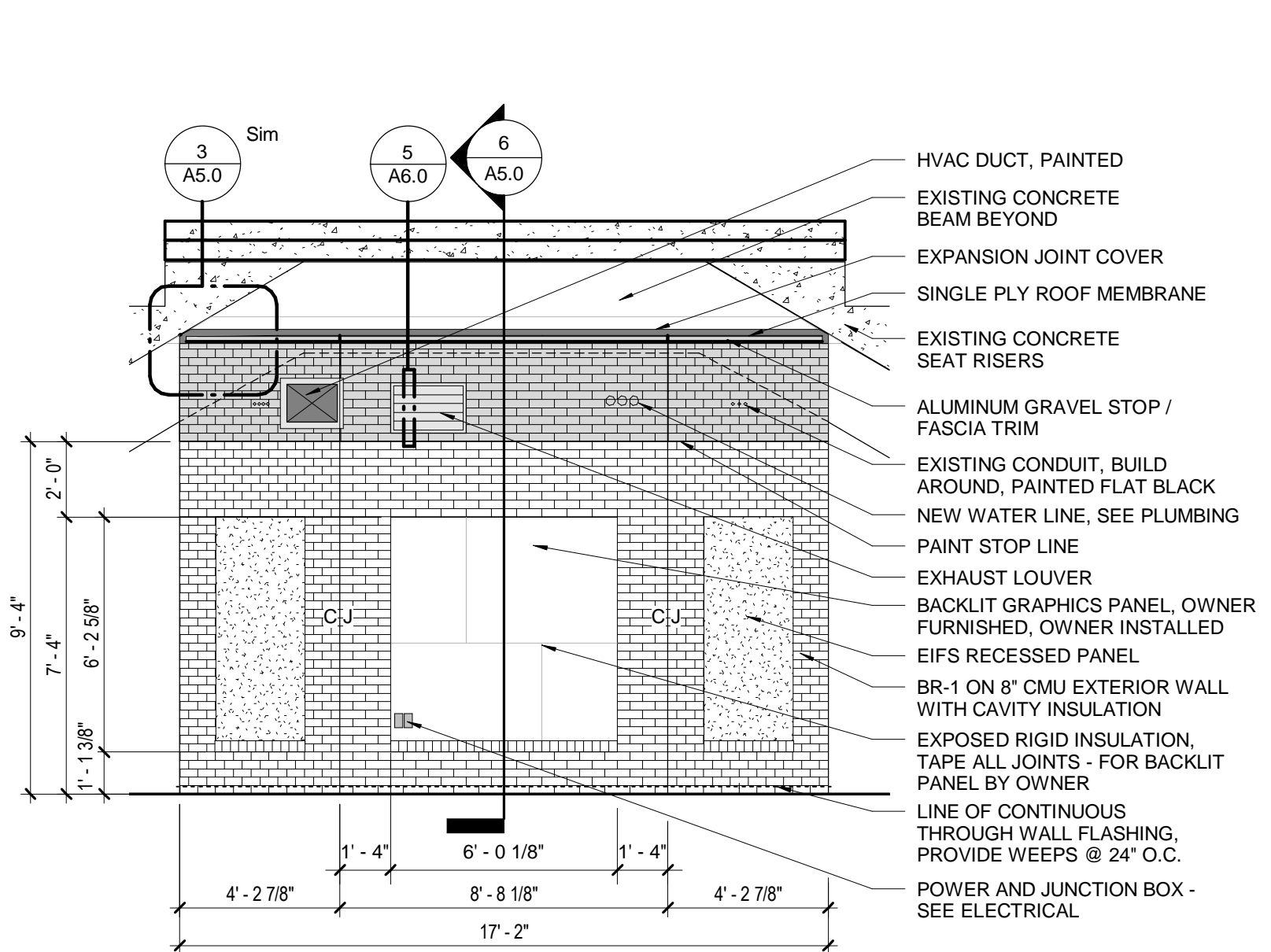
3 EXTERIOR MENS NORTH
SCALE: 1/4" = 1'-0"



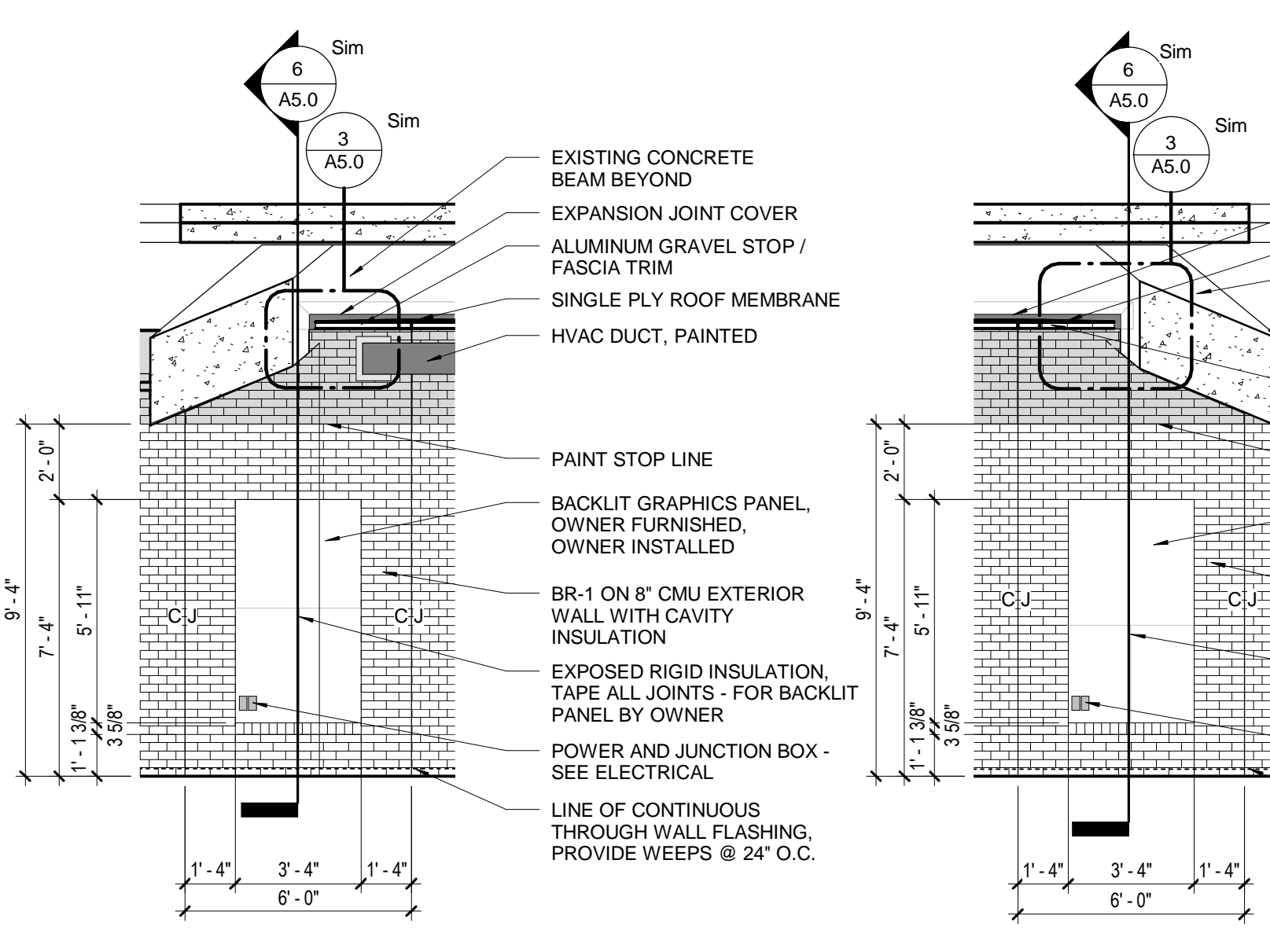
4 EXTERIOR MENS SOUTH
SCALE: 1/4" = 1'-0"



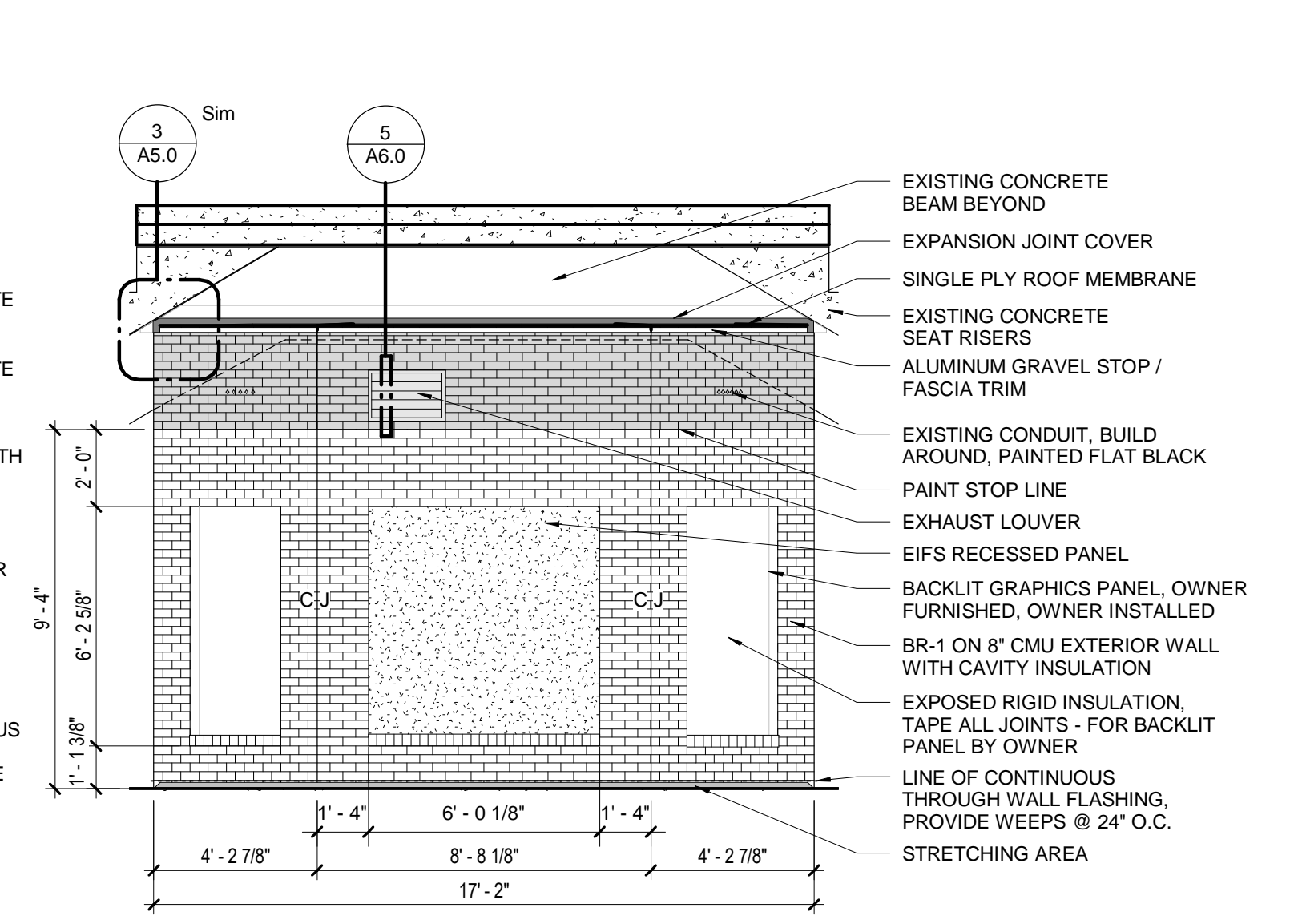
5 EXTERIOR MEETING EAST
SCALE: 1/4" = 1'-0"



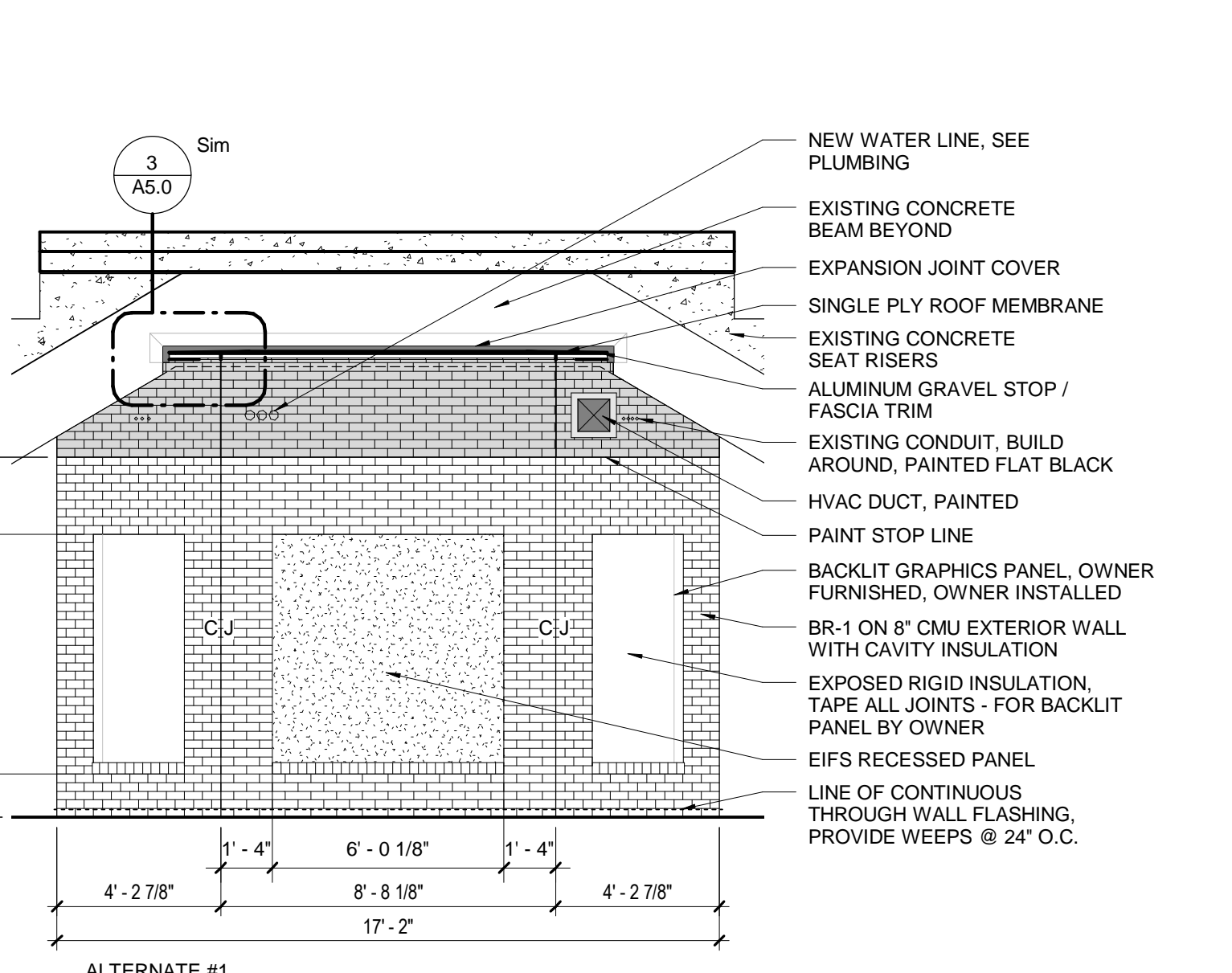
7 EXTERIOR WOMENS WEST
SCALE: 1/4" = 1'-0"



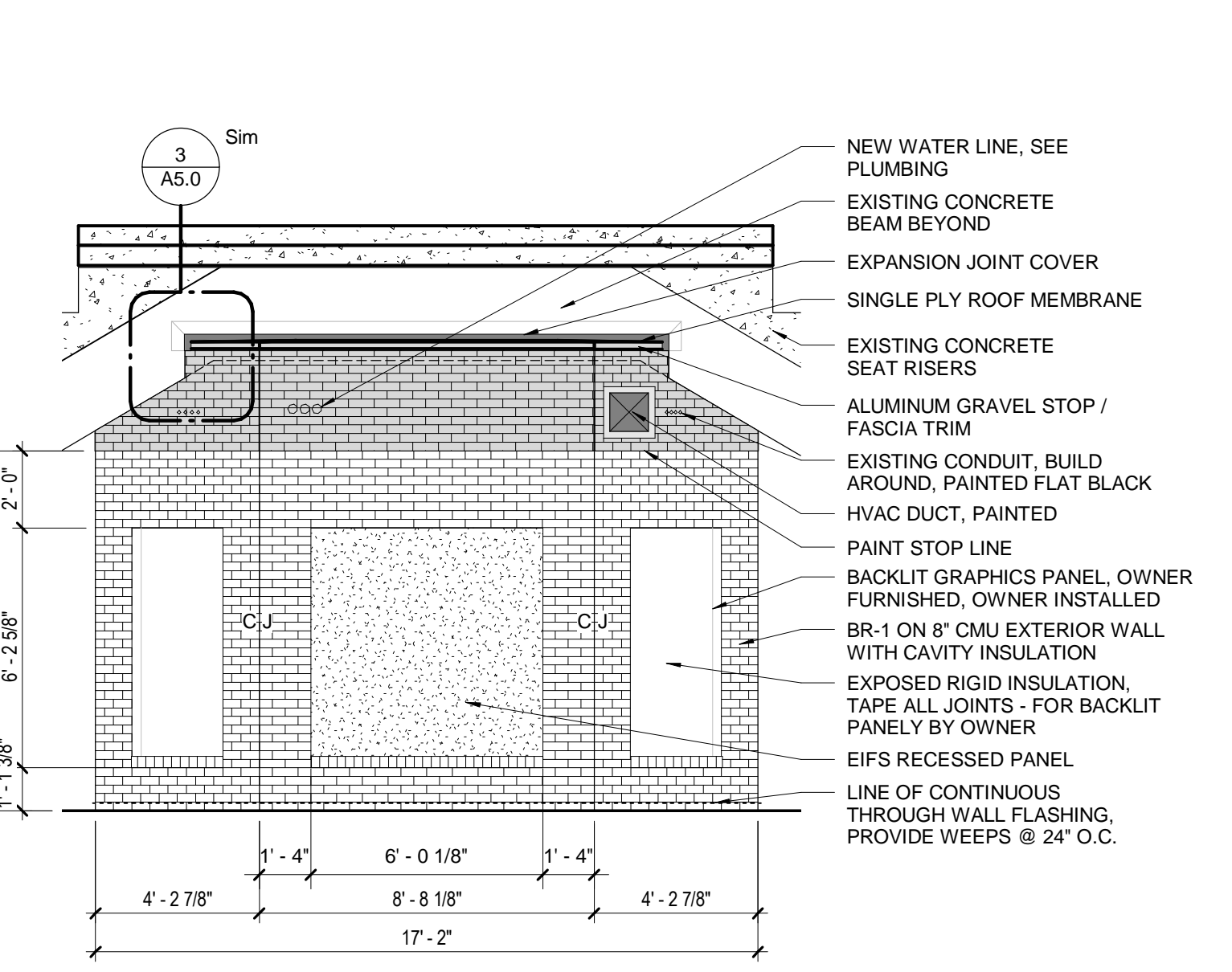
9 MENS NORTHWEST
SCALE: 1/4" = 1'-0"



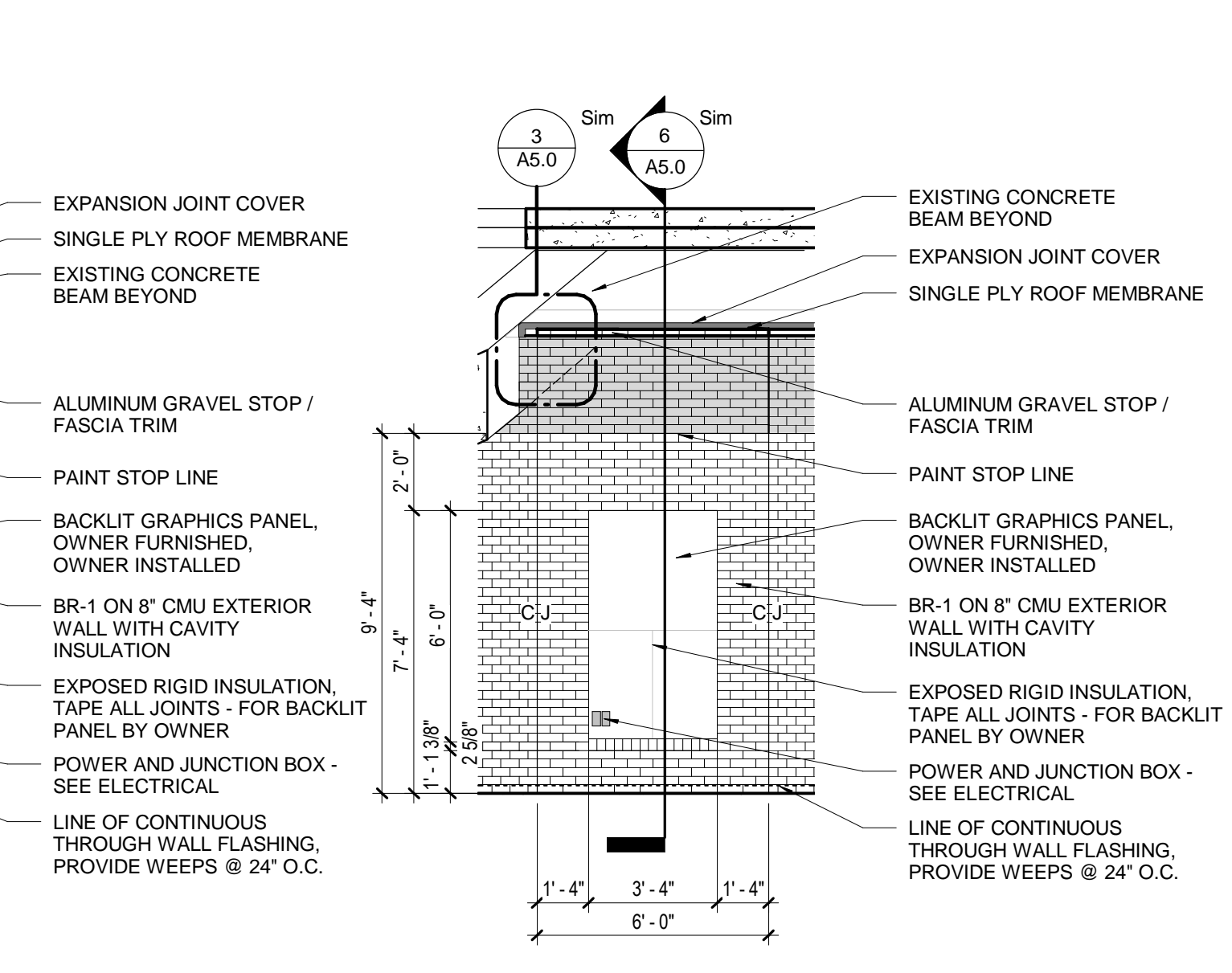
12 EXTERIOR MENS EAST
SCALE: 1/4" = 1'-0"



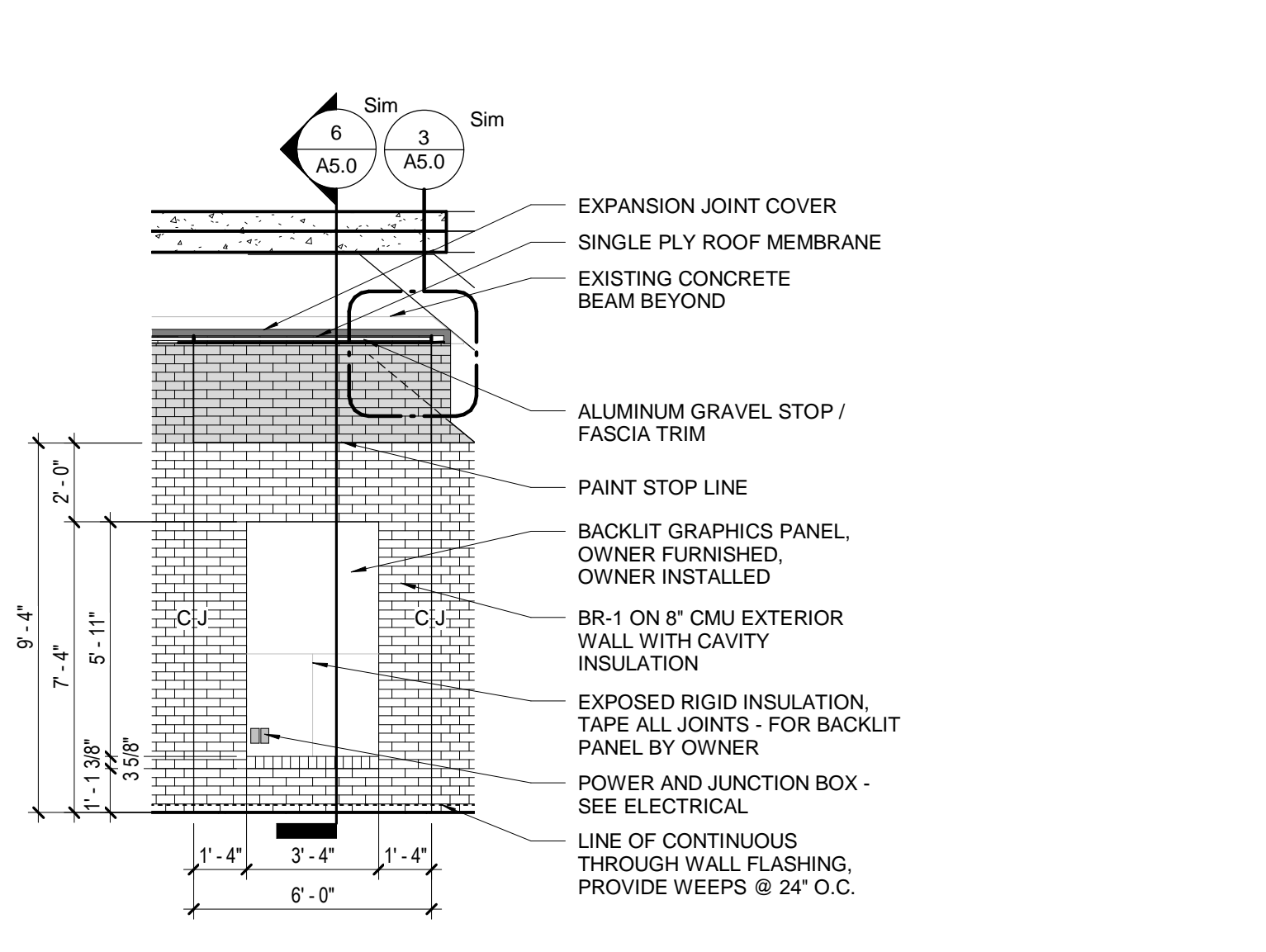
6 TRAINING EAST
SCALE: 1/4" = 1'-0"



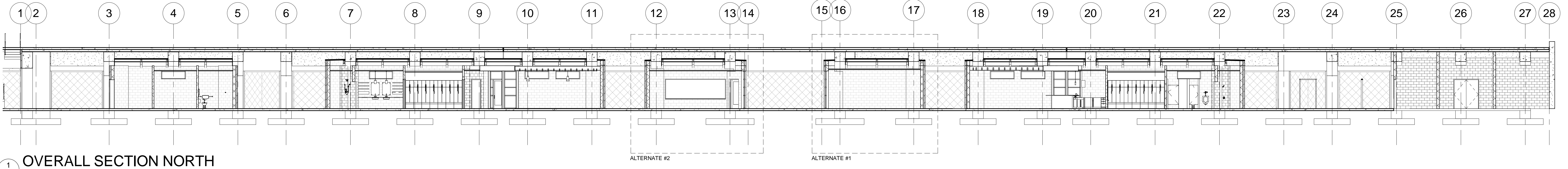
8 EXTERIOR WOMENS EAST
SCALE: 1/4" = 1'-0"



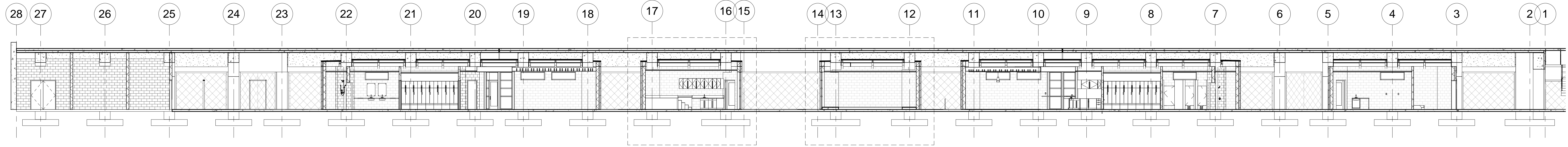
10 MENS SOUTHWEST
SCALE: 1/4" = 1'-0"



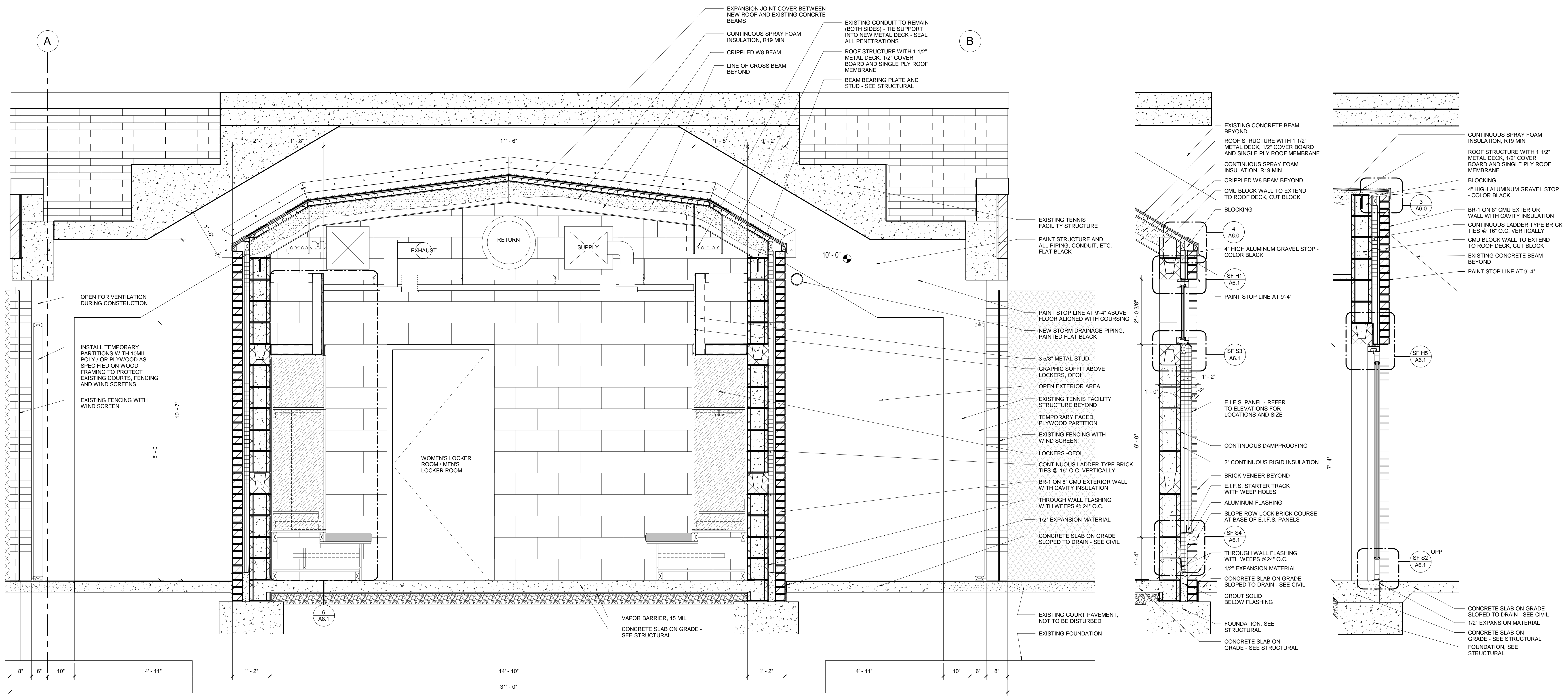
13 MENS NORTHEAST
SCALE: 1/4" = 1'-0"



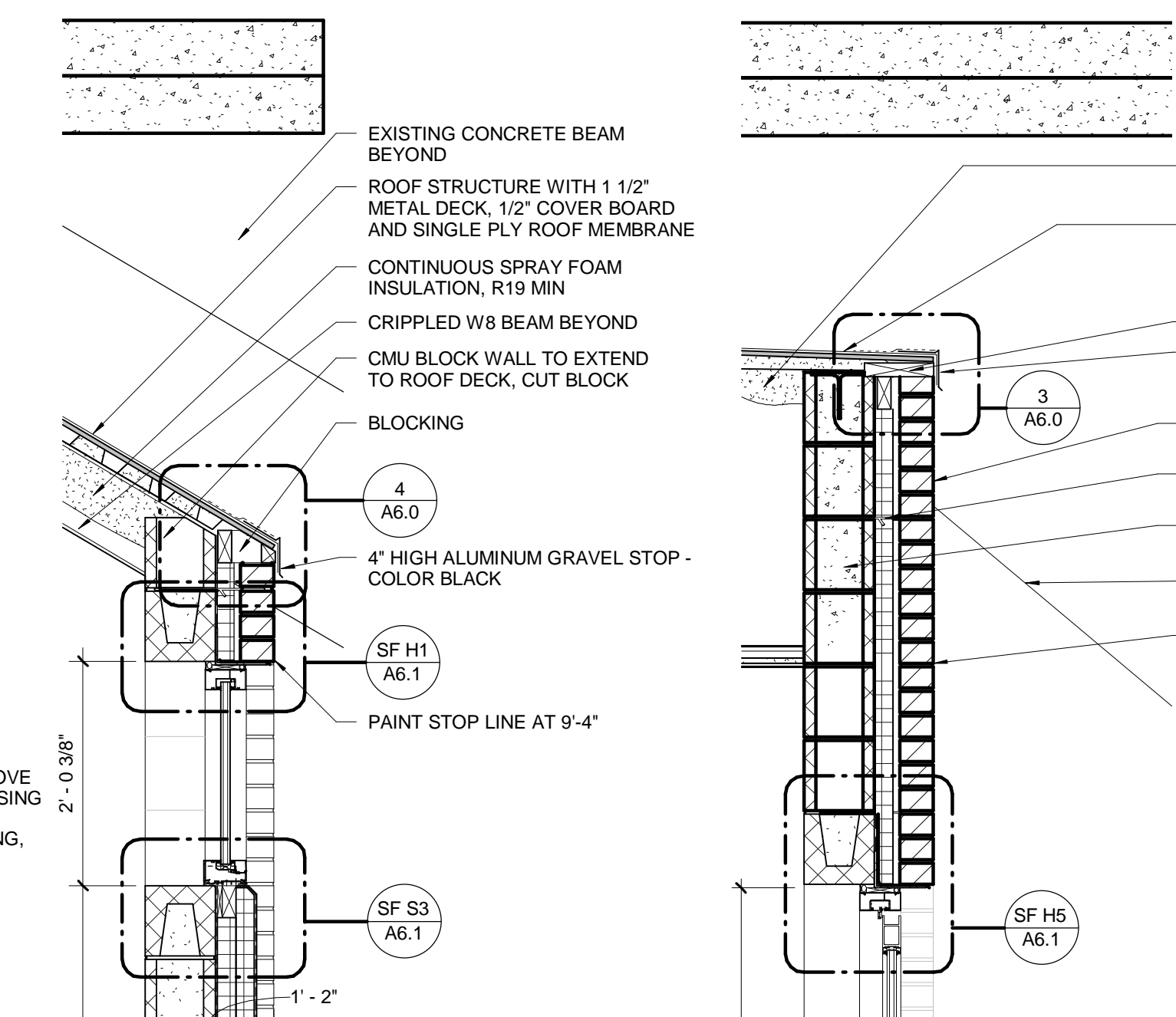
1 OVERALL SECTION NORTH
SCALE: 3/32" = 1'-0"



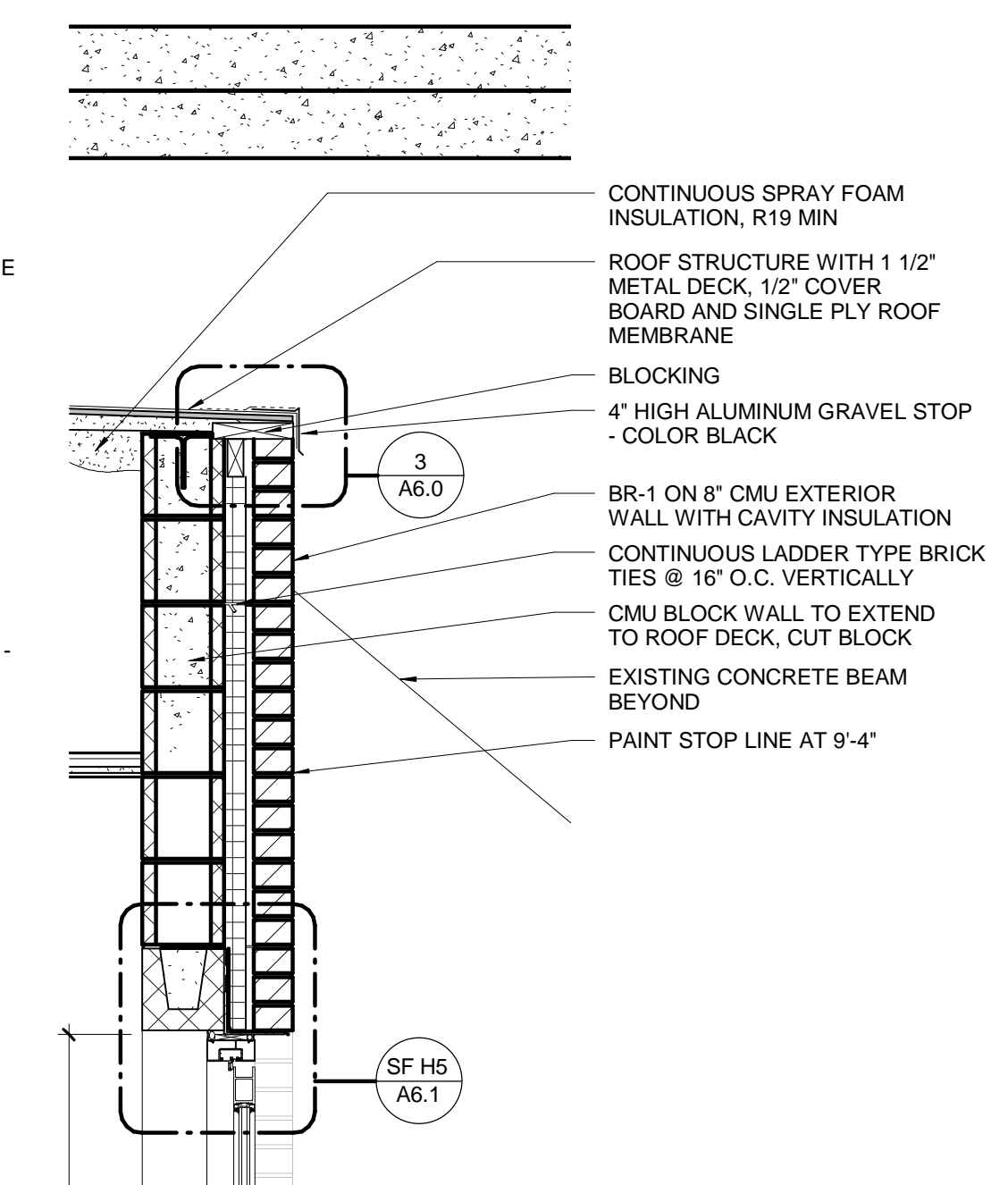
2 OVERALL SECTION SOUTH
SCALE: 3/32" = 1'-0"



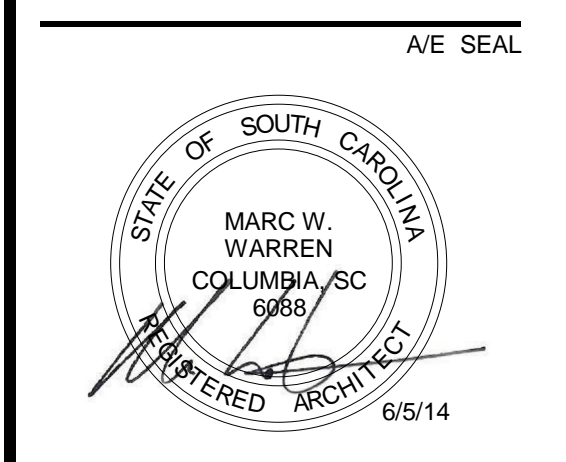
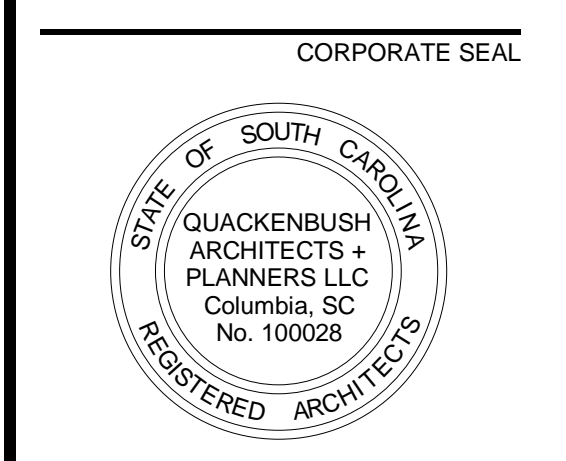
3 BUILDING SECTION LOCKER ROOM
SCALE: 3/4" = 1'-0"



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



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



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

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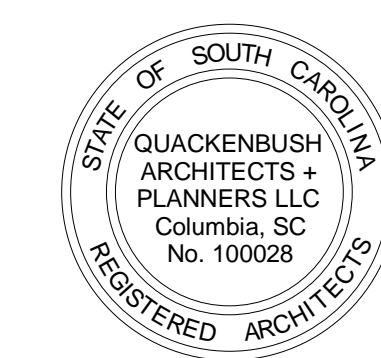
REVISIONS	
NO.	REVISION

SHEET INFORMATION	
Date	06/05/2014
Project No.	12.130.09
Scale	As indicated
Drawn By	KBF
Checked By	MWW
State Project #.	H27-6102-AU

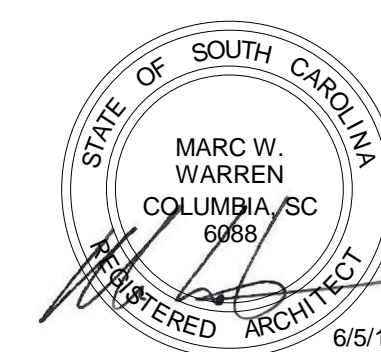
BUILDING AND WALL SECTIONS

6/5/2014 3:44:58 PM

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY
OF SOUTH
CAROLINA

ATHLETIC
VILLAGE
TENNIS
COMPLEX
ADDITION

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REVISIONS

NO	REVISION	DATE

SHEET INFORMATION

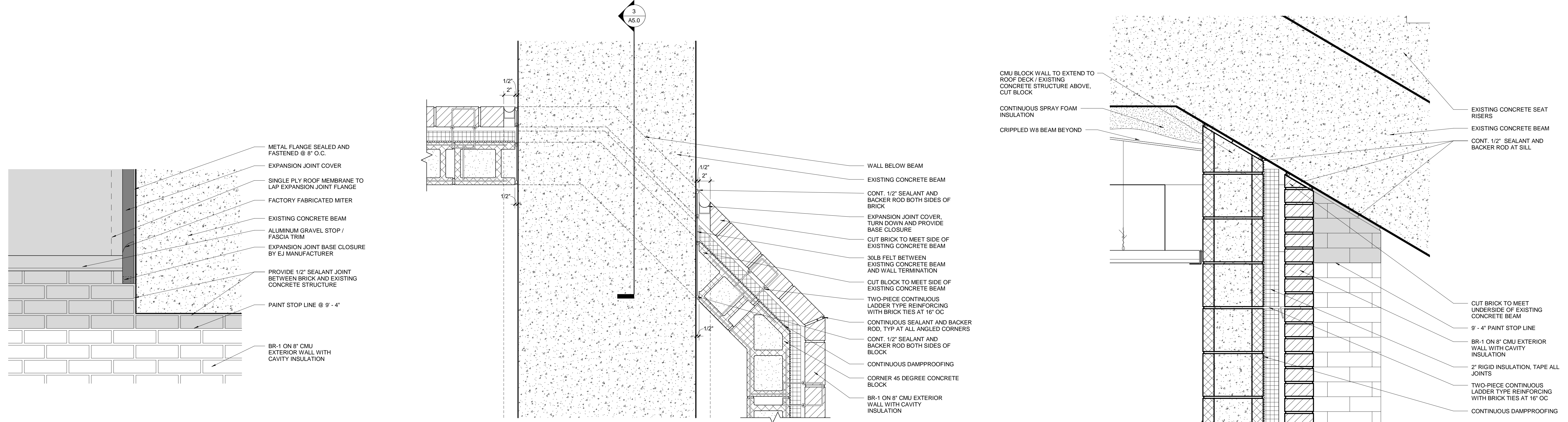
Date	06/05/2014
Project No.	12.130.09
Scale	As indicated
Drawn By	KBF
Checked By	MWW
State Project #	H27-6102-AU

TITLE

WALL
SECTION &
EXPANSION
JOINT
DETAILS

SHEET NO.

A5.0



1
A5.0
ENLARGED EXPANSION JOINT
ELEVATION (TYP)

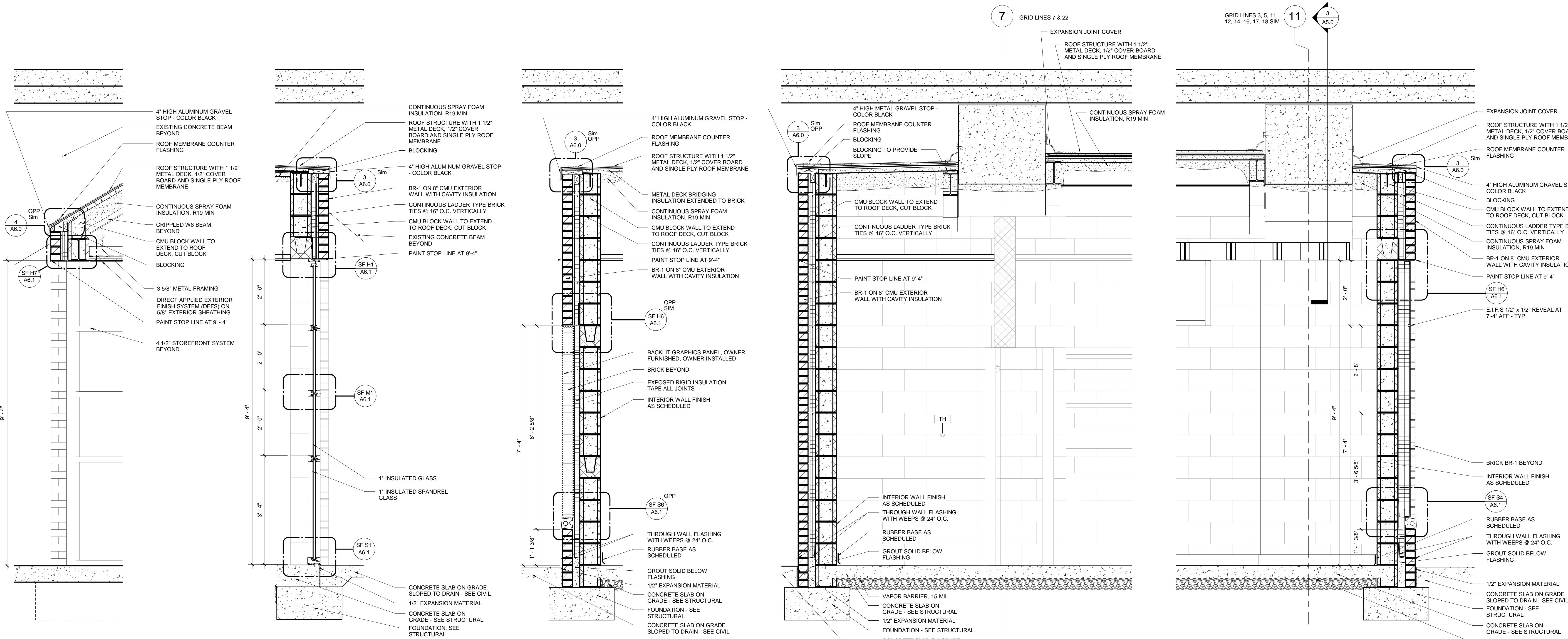
SCALE: 1 1/2" = 1'-0"

2
A5.0
PLAN DETAIL BRICK AGAINST
BEAM (TYP)

SCALE: 1 1/2" = 1'-0"

3
A5.0
EXTERIOR WALL SECTION
AGAINST BEAM

SCALE: 1 1/2" = 1'-0"



4
A5.0
WALL SECTION ENTRY

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

5
A5.0
WALL SECTION STOREFRONT

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

6
A5.0
WALL SECTION GRAPHIC
PANEL

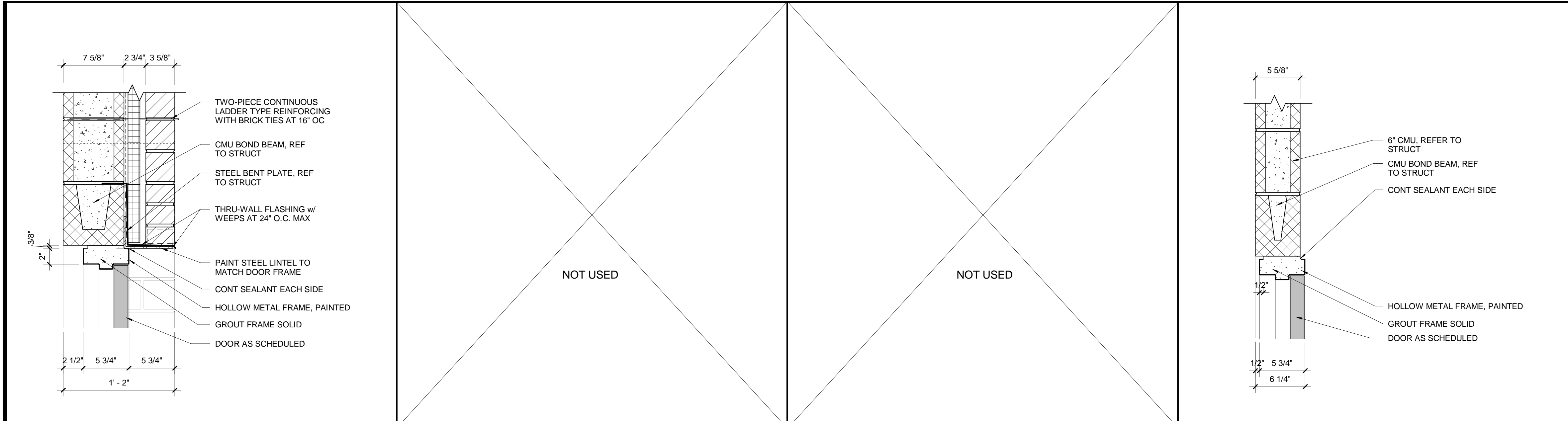
SCALE: 3/4" = 1'-0"

7
A5.0
ROOF SECTION END LONG

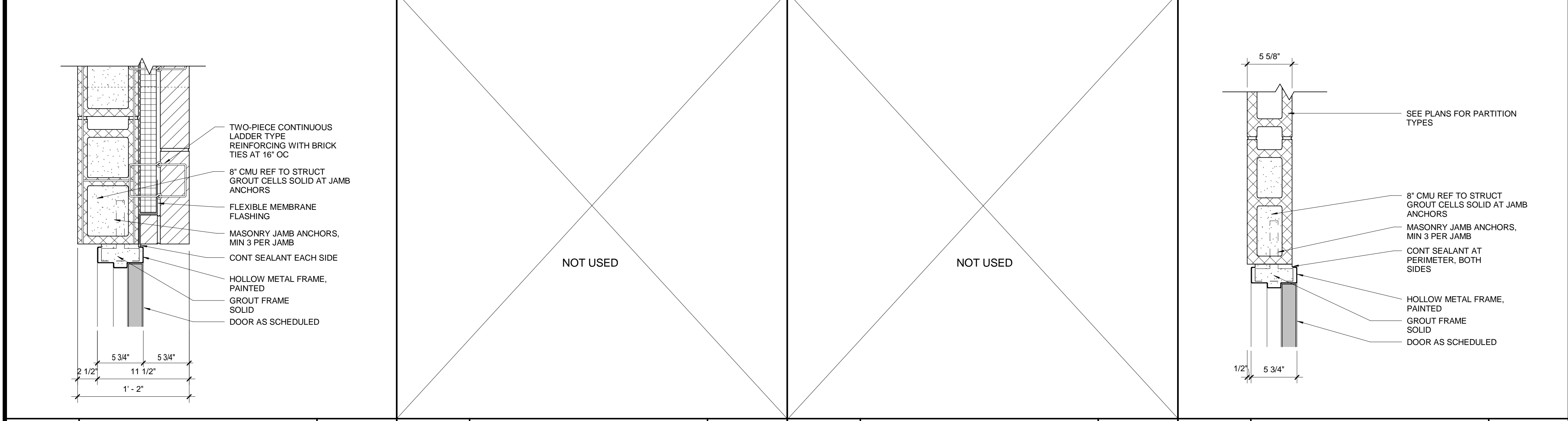
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8
A5.0
ROOF SECTION END SHORT

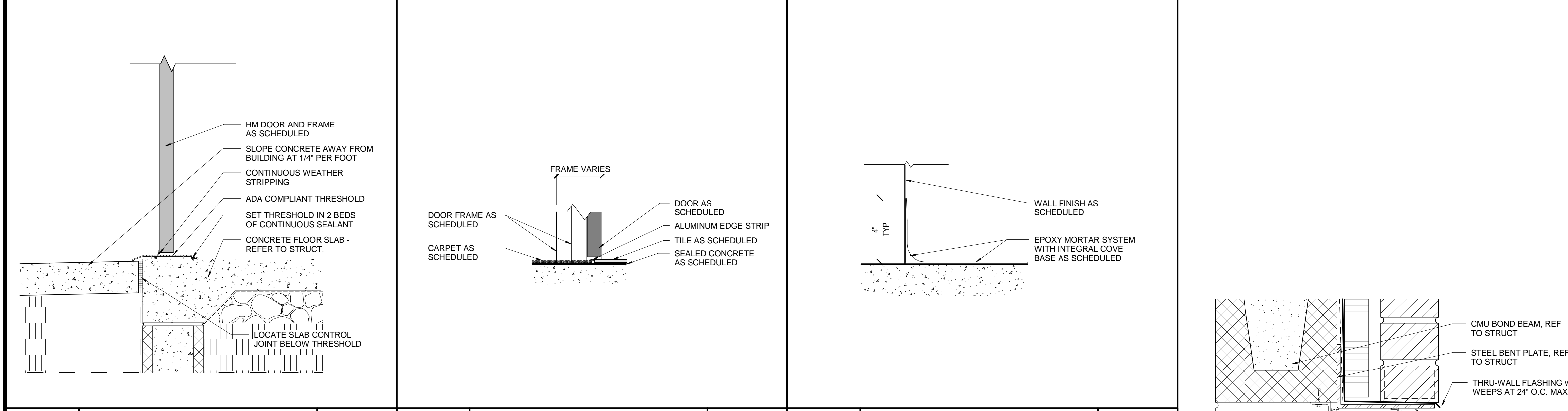
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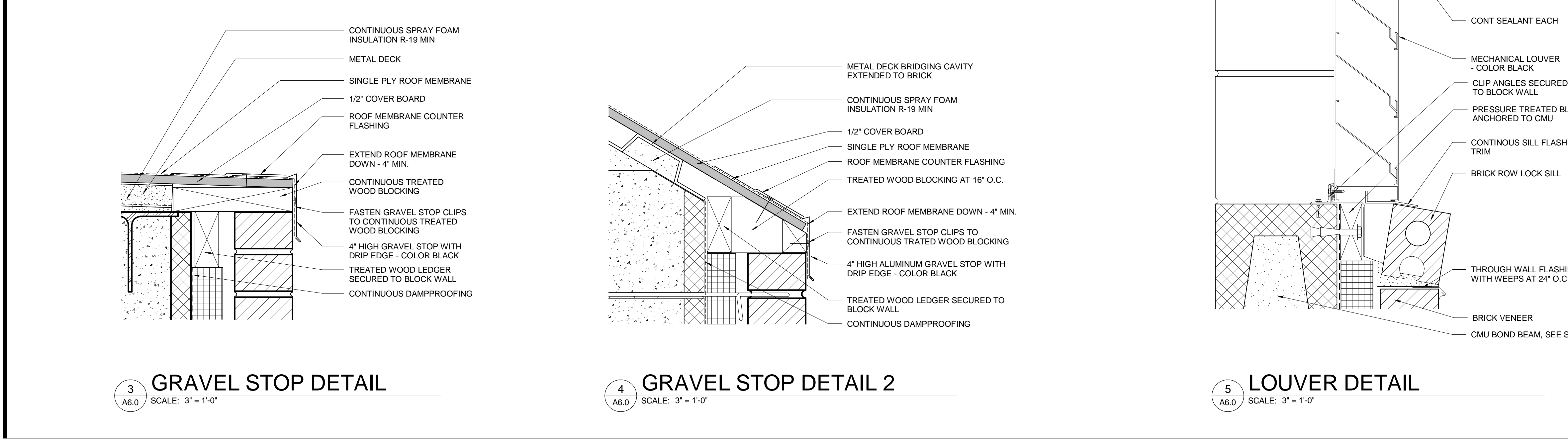
HM H1 HEAD DETAIL SCALE 1-1/2" = 1'-0"
 HM H2 HEAD DETAIL SCALE 1-1/2" = 1'-0"
 HM H3 HEAD DETAIL SCALE 1-1/2" = 1'-0"
 HM H4 HEAD DETAIL SCALE 1-1/2" = 1'-0"



HM J1 JAMB DETAIL SCALE 1-1/2" = 1'-0"
 HM J2 JAMB DETAIL SCALE 1-1/2" = 1'-0"
 HM J3 JAMB DETAIL SCALE 1-1/2" = 1'-0"
 HM J4 JAMB DETAIL SCALE 1-1/2" = 1'-0"



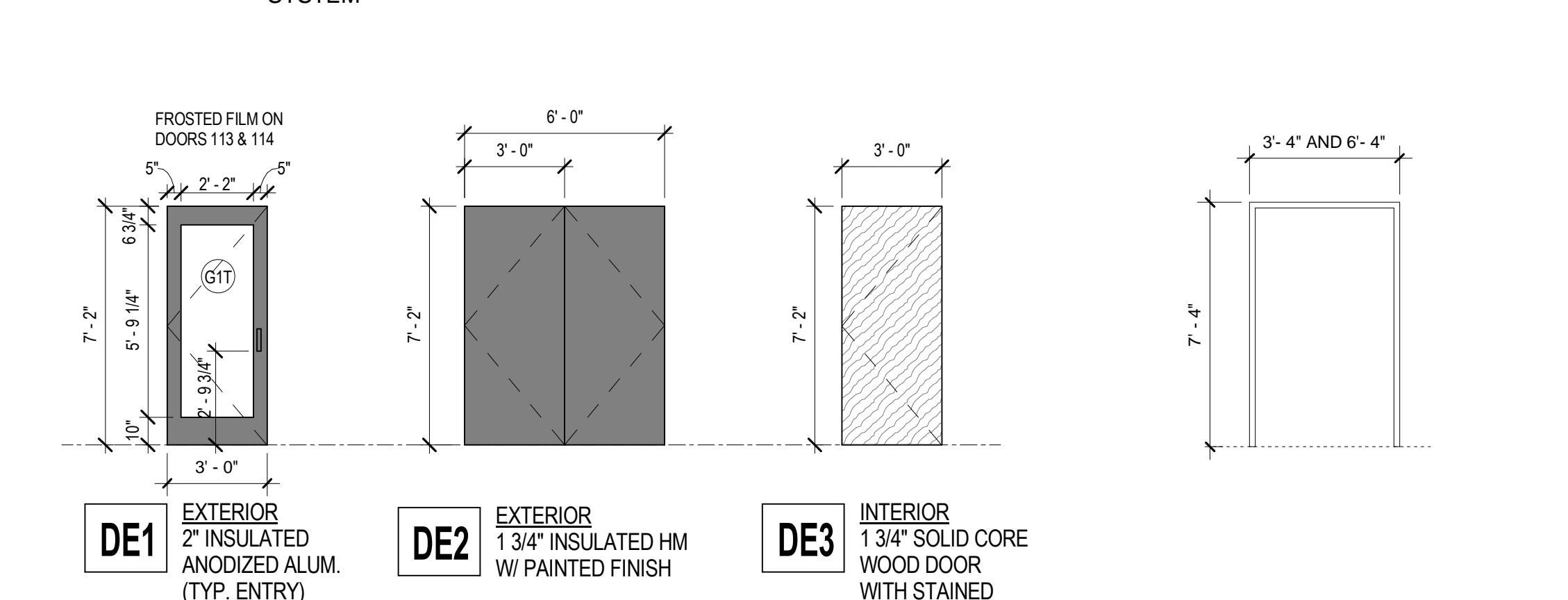
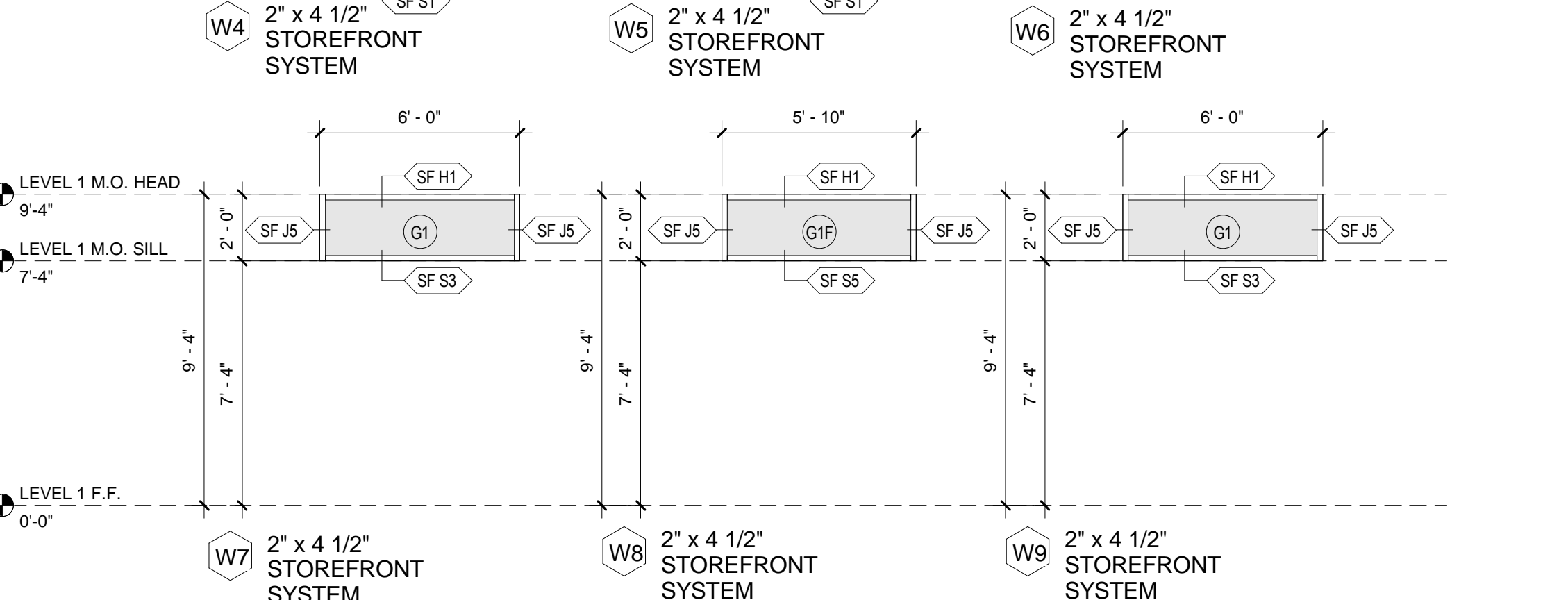
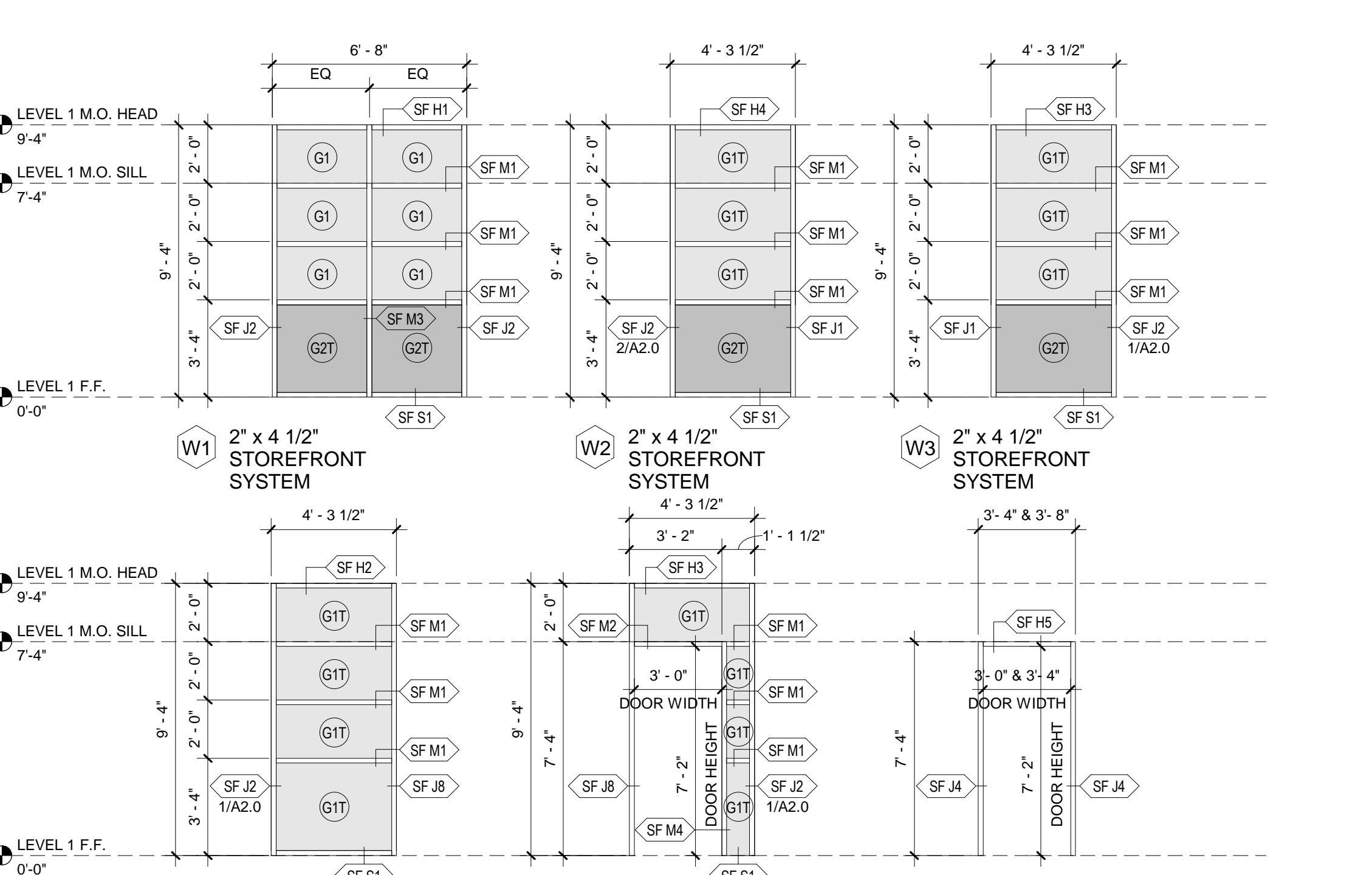
HM S1 SILL DETAIL SCALE 1-1/2" = 1'-0"
 HM S2 SILL DETAIL SCALE 1-1/2" = 1'-0"
 EFC 1 COVE BASE DETAIL SCALE 3" = 1'-0"



3 GRAVEL STOP DETAIL SCALE: 3" = 1'-0"
 4 GRAVEL STOP DETAIL 2 SCALE: 3" = 1'-0"
 5 LOUVER DETAIL SCALE: 3" = 1'-0"

DOOR SCHEDULE										
DOOR NO.	OPENING SIZE WIDTH	OPENING SIZE HEIGHT	DOOR MTRL	ELEVATION TYPE	FRAME MTRL	HEAD DETAIL	JAMB DETAIL	SILL	HW SET	REMARKS
Level 1										
106	6'-0"	7'-2"	H.M.	EXISTING	EXISTING	ALT #1	ALT #1	EXISTING	-	REPAIR EXISTING DOOR AND FRAME
107	6'-0"	7'-2"	H.M.	EXISTING	EXISTING	ALT #1	ALT #1	EXISTING	-	REPAIR EXISTING DOOR AND FRAME
108	6'-0"	7'-2"	H.M.	EXISTING	EXISTING	ALT #1	ALT #1	EXISTING	-	REPAIR EXISTING DOOR AND FRAME
109	3'-0"	7'-2"	WOOD	DE3	HOLLOW METAL	HM H3	HM J3	HM S2	-	1
110	3'-0"	7'-2"	WOOD	DE3	HOLLOW METAL	HM H2	HM J2	HM S2	-	2
111	3'-0"	7'-2"	ALUM/GLASS	DE1	STOREFRONT	SF M2	SF M4 / SF J8	SF S2	-	4
112	3'-0"	7'-2"	WOOD	DE3	HOLLOW METAL	HM H2	HM J2	-	-	3
113	3'-4"	7'-2"	ALUM/GLASS	DE1	STOREFRONT	SF H5	SF J4	SF S2	-	4
114	3'-0"	7'-2"	ALUM/GLASS	DE1	STOREFRONT	SF H5	SF J4	SF S2	-	4
115	3'-0"	7'-2"	ALUM/GLASS	DE1	STOREFRONT	SF M2	SF M4 / SF J8	SF S2	-	4
116	3'-0"	7'-2"	WOOD	DE3	HOLLOW METAL	HM H2	HM J2	HM S2	-	2
117	3'-0"	7'-2"	WOOD	DE3	HOLLOW METAL	HM H2	HM J2	HM S2	-	2
118	3'-0"	7'-2"	WOOD	DE3	HOLLOW METAL	HM H3	HM J3	HM S2	-	1
119	3'-0"	7'-2"	ALUM/GLASS	DE1	STOREFRONT	SF H5	SF J4	SF S2	-	4
120	3'-0"	7'-2"	WOOD	DE3	HOLLOW METAL	HM H4	HM J4	-	-	5
122	6'-0"	7'-2"	H.M.	DE2	HOLLOW METAL	HM H1	HM J1	HM S1	-	6

AT DOORS 106, 107, 108, PROVIDE STEEL LINTEL AT DOOR HEAD IF ALTERNATE #1 TO ADD BRICK VENEER TO EXISTING WALLS IS ACCEPTED



1 DOOR ELEVATIONS SCALE: 1/4" = 1'-0"
 2 HM FRAME TYPES SCALE: 1/4" = 1'-0"

GENERAL DOOR AND FRAME NOTES

- FOR ALUMINUM ENTRANCE DOORS, DOOR WIDTHS ARE NOTED AS ACTUAL. DOOR HEIGHTS ARE NOTED AS NOMINAL.
- FIELD VERIFY ALL ROUGH OPENINGS.
- ALL HEAD AND JAMB CONDITIONS MAY NOT BE INDICATED FOR ALL FRAME TYPES - SEE PLANS, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.
- PROVIDE DOOR SWINGS AS REPRESENTED ON PLANS UNLESS NOTED OTHERWISE.
- SILL CONDITIONS VARY BY FLOOR FINISH - REFER TO TYPICAL SILL DETAILS FOR THRESHOLDS AND TRANSITIONS ON SHEET A6.0 FOR DETAILS AND REFER TO FINISH SCHEDULE AND LEGEND FOR FLOORING MATERIAL.

GENERAL GLASS NOTES

A. ALL EXTERIOR WINDOWS SHALL RECEIVE TYPE G1 GLASS UNO.
 B. ALL EXTERIOR DOORS AND ADJACENT LITES SHALL RECEIVE TYPE G1T GLASS UNO.

GLASS TYPES LEGEND

G1 1" INSULATED CLEAR GLASS WITH SN64 ON #2 SURFACE
 G1T 1" INSULATED CLEAR GLASS WITH SN64 ON #2 SURFACE, FULLY TEMPERED.
 G1F 1" INSULATED CLEAR GLASS WITH SN64 ON #2 SURFACE, FROSTED FILM
 G1TR 1" INSULATED CLEAR GLASS WITH SN64 ON #2 SURFACE, FULLY TEMPERED, FROSTED FILM
 G2 SPANDREL GLASS - 1" INSULATED CLEAR GLASS WITH SN64 ON #2 SURFACE AND WARM GRAY CERAMIC COATED ON A #4 SURFACE.
 G2T SPANDREL GLASS - 1" INSULATED CLEAR GLASS WITH SN64 ON #2 SURFACE AND WARM GRAY CERAMIC FRIT ON A #4 SURFACE, FULLY TEMPERED.

QUACKENBUSH ARCHITECTS + PLANNERS
 1217 Hampton Street T: 803.771.2999
 Columbia, SC 29201 F: 803.771.2956

CORPORATE SEAL
 STATE OF SOUTH CAROLINA
 QUACKENBUSH ARCHITECTS + PLANNERS LLC
 Columbia, SC
 No. 100028
 REGISTERED ARCHITECT

A/E SEAL
 STATE OF SOUTH CAROLINA
 MARC W. WARREN
 COLUMBIA, SC
 29603
 REGISTERED ARCHITECT
 05/14

PROJECT TITLE
UNIVERSITY OF SOUTH CAROLINA
ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
 COLUMBIA, SC 29201

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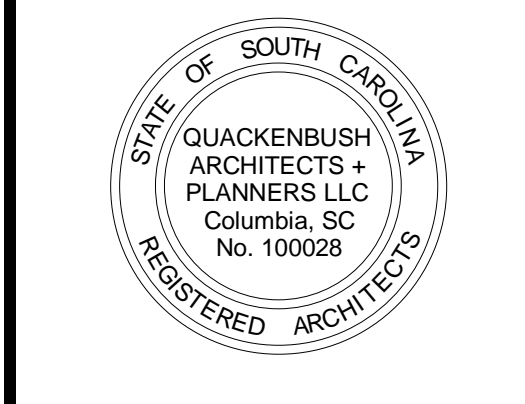
REVISIONS	
NO.	DATE

SHEET INFORMATION
 Date: 06/05/2014
 Project No.: 12.130.09
 Scale: As indicated
 Drawn By: KBF
 Checked By: MWW
 State Project #: H27-6102-AU

TITLE
DOOR SCHEDULE / WINDOW TYPES / HOLLOW METAL FRAME

SHEET NO.
A6.0

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST. COLUMBIA, SC 29201

RE-BID SET

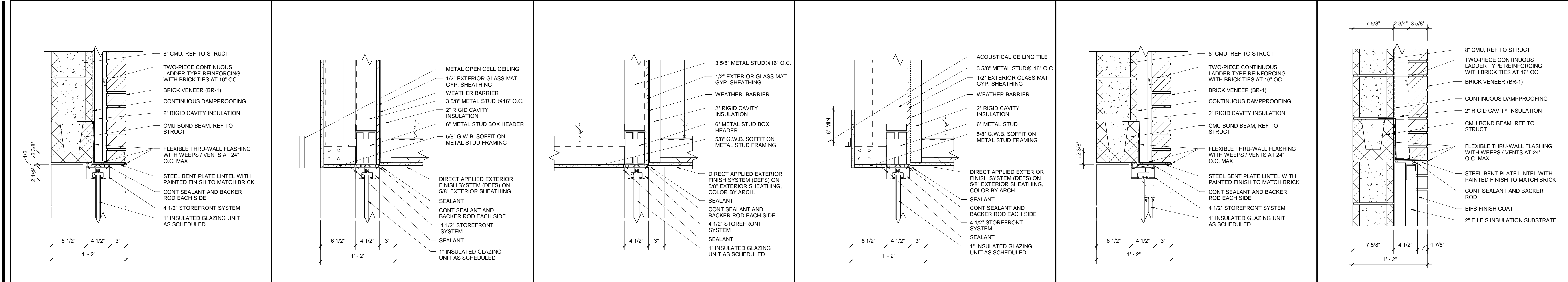
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NO.	DATE

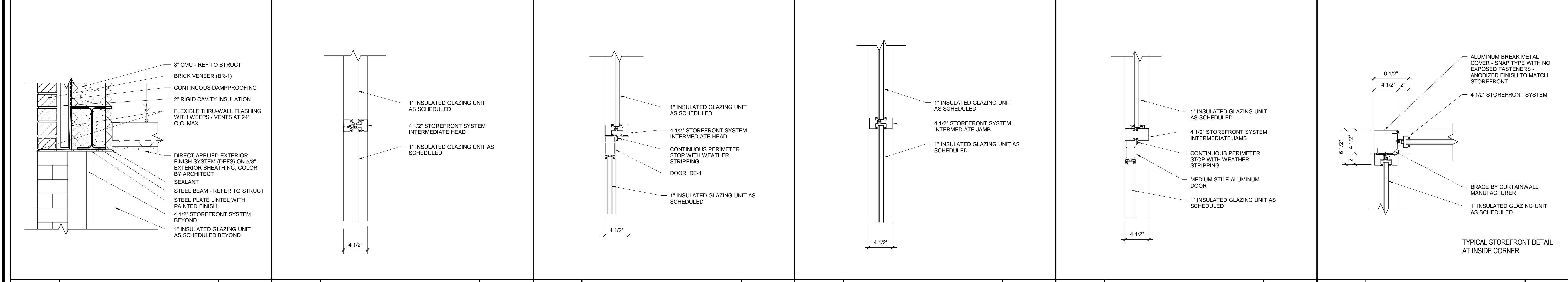
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Date	06/05/2014
Project No.	12.130.09
Scale	1 1/2" = 1'-0"
Drawn By	Author
Checked By	Checker
State Project #.	H27-6102-AU

STOREFRONT DETAILS

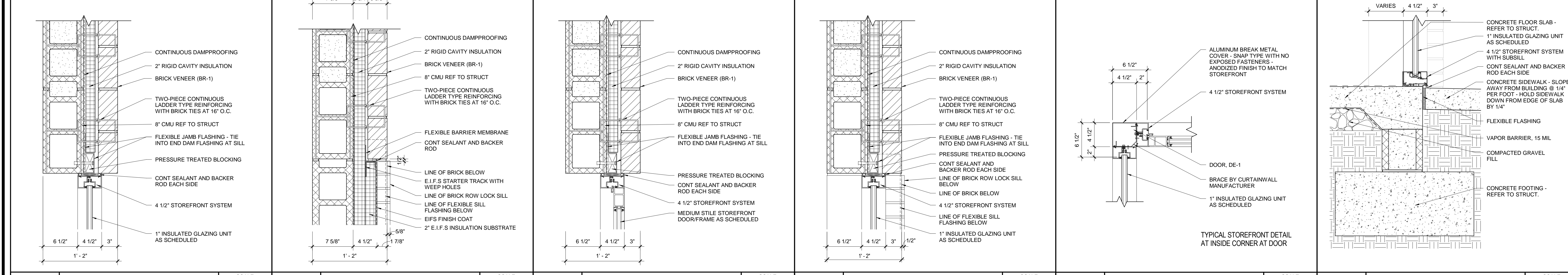
SHEET NO. **A6.1**



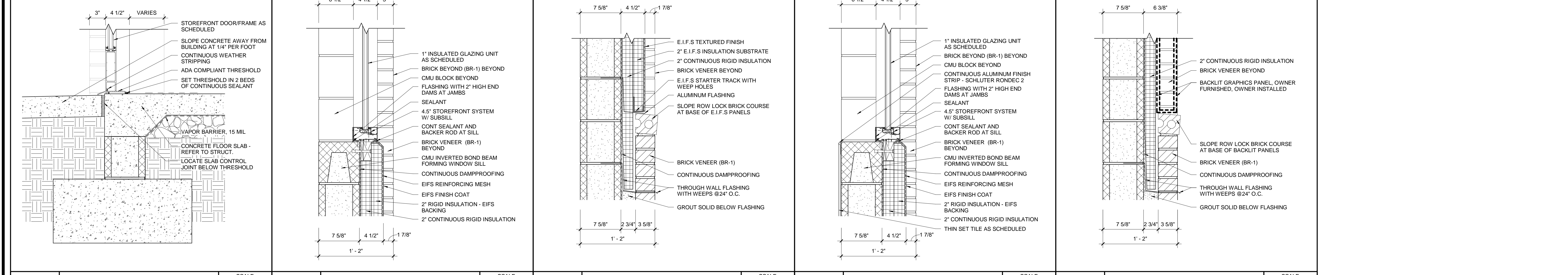
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SF H2 HEAD DETAIL SCALE 1-1/2" = 1'-0"
SF H3 HEAD DETAIL SCALE 1-1/2" = 1'-0"
SF H4 HEAD DETAIL SCALE 1-1/2" = 1'-0"
SF H5 HEAD DETAIL SCALE 1-1/2" = 1'-0"
SF H6 HEAD DETAIL SCALE 1-1/2" = 1'-0"



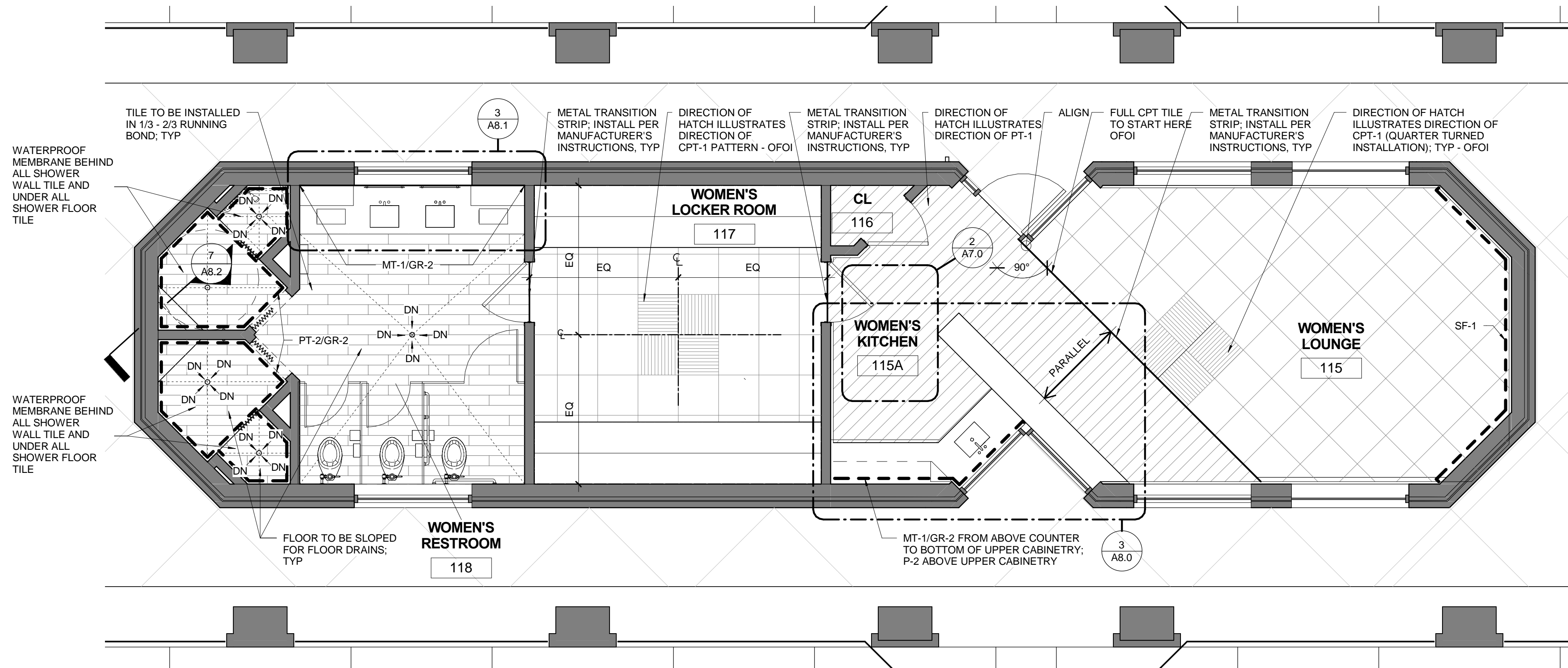
SF H7 HEAD DETAIL SCALE 1-1/2" = 1'-0"
SF M1 HEAD DETAIL SCALE 1-1/2" = 1'-0"
SF M2 HEAD DETAIL SCALE 1-1/2" = 1'-0"
SF M3 MULLION DETAIL SCALE 1-1/2" = 1'-0"
SF M4 MULLION DETAIL SCALE 1-1/2" = 1'-0"
SF J1 JAMB DETAIL SCALE 1-1/2" = 1'-0"



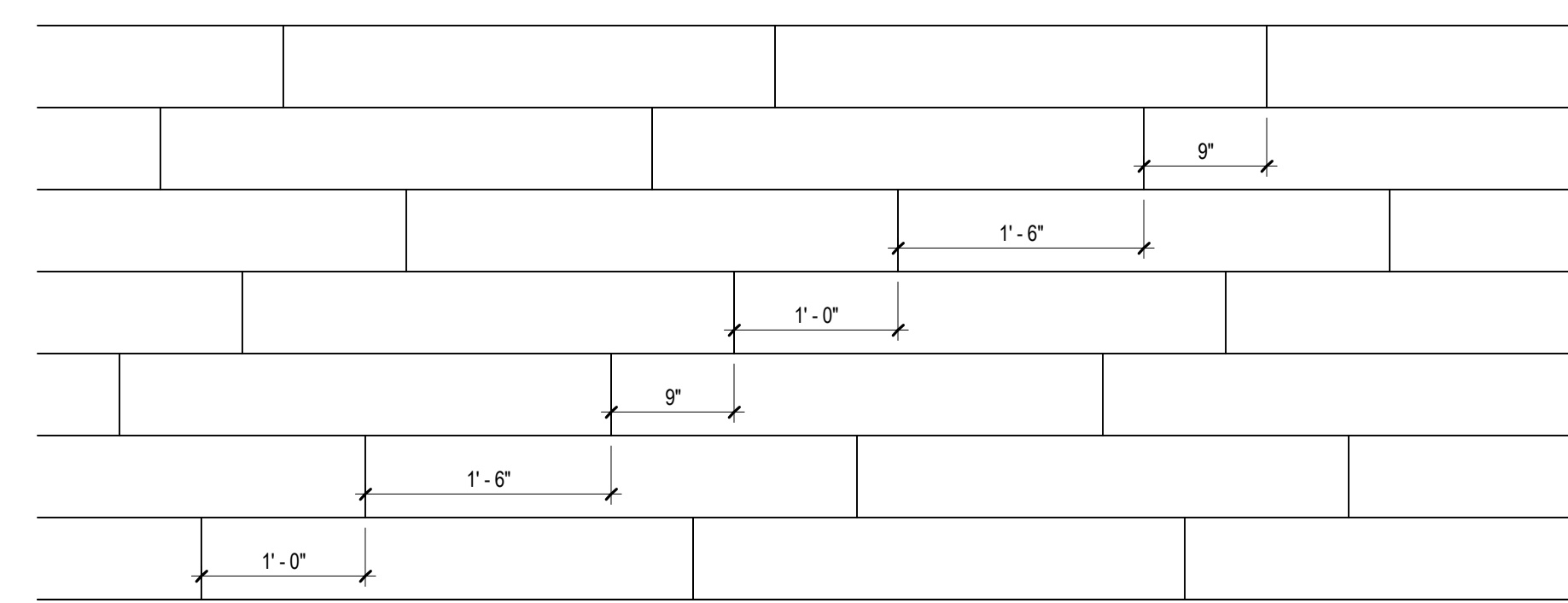
SF J2 JAMB DETAIL SCALE 1-1/2" = 1'-0"
SF J3 JAMB DETAIL SCALE 1-1/2" = 1'-0"
SF J4 JAMB DETAIL SCALE 1-1/2" = 1'-0"
SF J5 JAMB DETAIL SCALE 1-1/2" = 1'-0"
SF J8 JAMB DETAIL SCALE 1-1/2" = 1'-0"
SF S1 SILL DETAIL SCALE 1-1/2" = 1'-0"



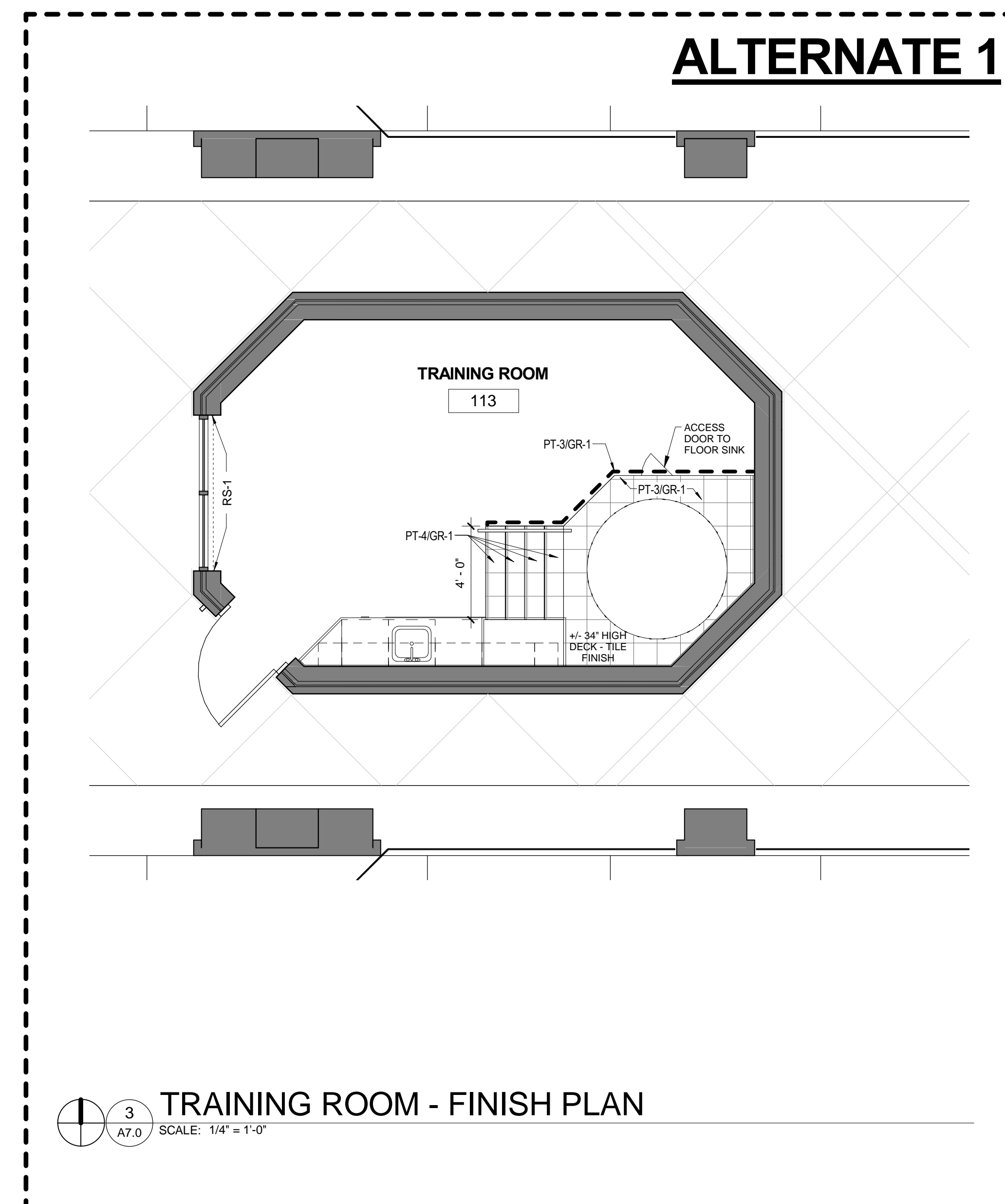
SF S2 SILL DETAIL SCALE 1-1/2" = 1'-0"
SF S3 SILL DETAIL SCALE 1-1/2" = 1'-0"
SF S4 SILL DETAIL SCALE 1-1/2" = 1'-0"
SF S5 SILL DETAIL SCALE 1-1/2" = 1'-0"
SF S6 SILL DETAIL SCALE 1-1/2" = 1'-0"



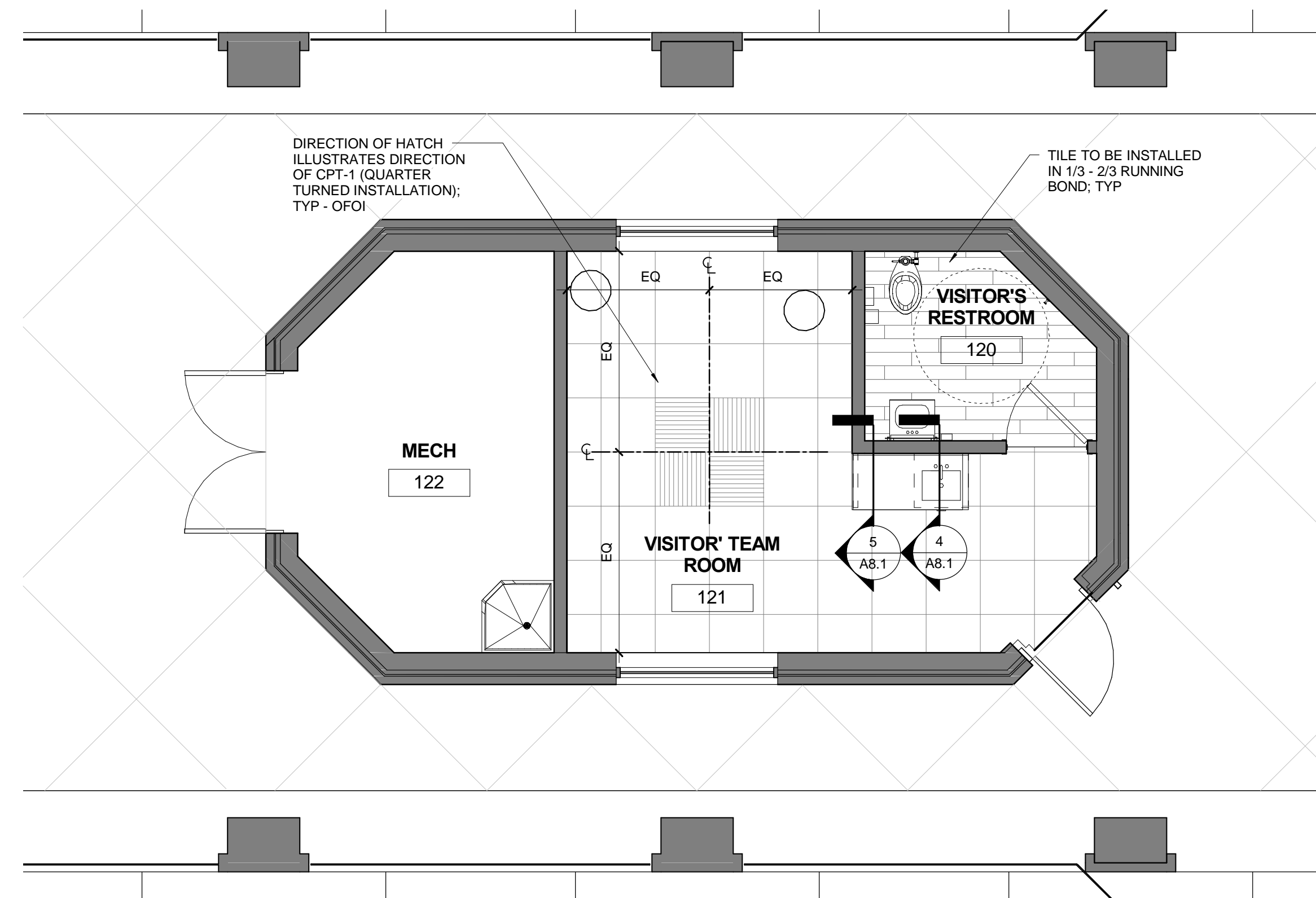
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A7.0 SCALE: 1/4" = 1'-0"
WOMEN'S AND MEN'S TEAM ROOM - FINISH PLAN



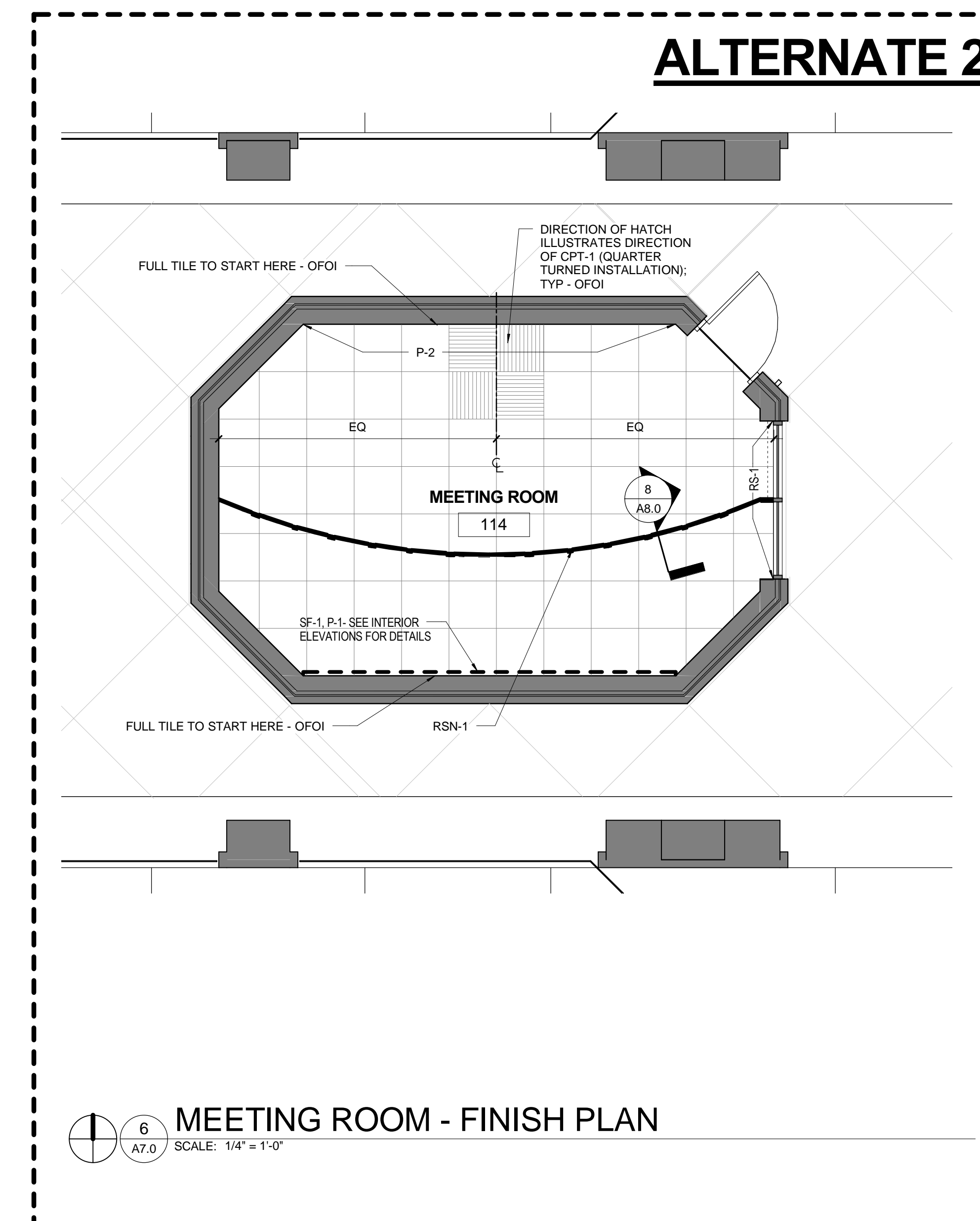
2
A7.0 SCALE: 1" = 1'-0"
WOMEN'S AND MEN'S KITCHEN TILE PATTERN TYPICAL



3
A7.0 SCALE: 1/4" = 1'-0"
TRAINING ROOM - FINISH PLAN

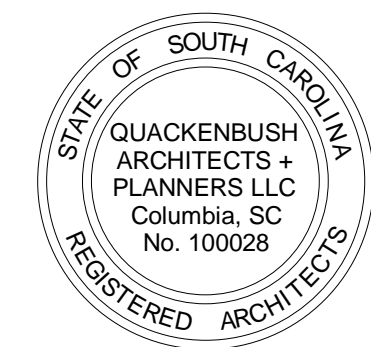


5
A7.0 SCALE: 1/4" = 1'-0"
VISITOR TEAM ROOM - FINISH PLAN

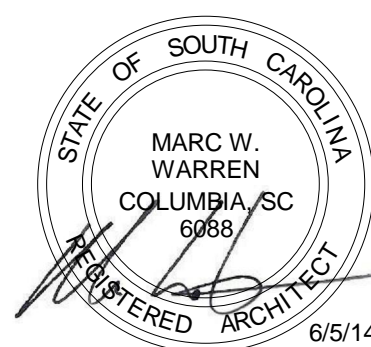


6
A7.0 SCALE: 1/4" = 1'-0"
MEETING ROOM - FINISH PLAN

CORPORATE SEAL



AVE SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

RE-BID SET

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REVISIONS	
NO.	DATE

SHEET INFORMATION

Date	06/05/2014
Project No.	12.130.09
Scale	As indicated
Drawn By	KBF
Checked By	MWW
State Project #	H27-6102-AU

INTERIOR FINISH PLANS

TITLE

A7.0

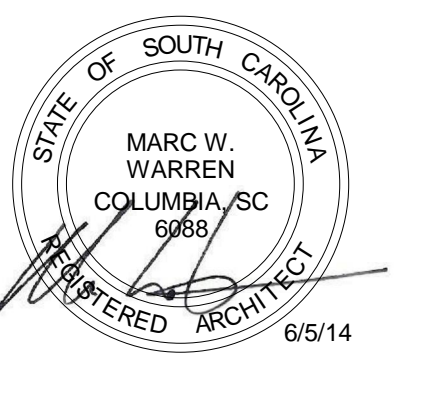
SHEET NO.



CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST. COLUMBIA, SC 29201

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REVISIONS

NO.	REVISION	DATE

SHEET INFORMATION

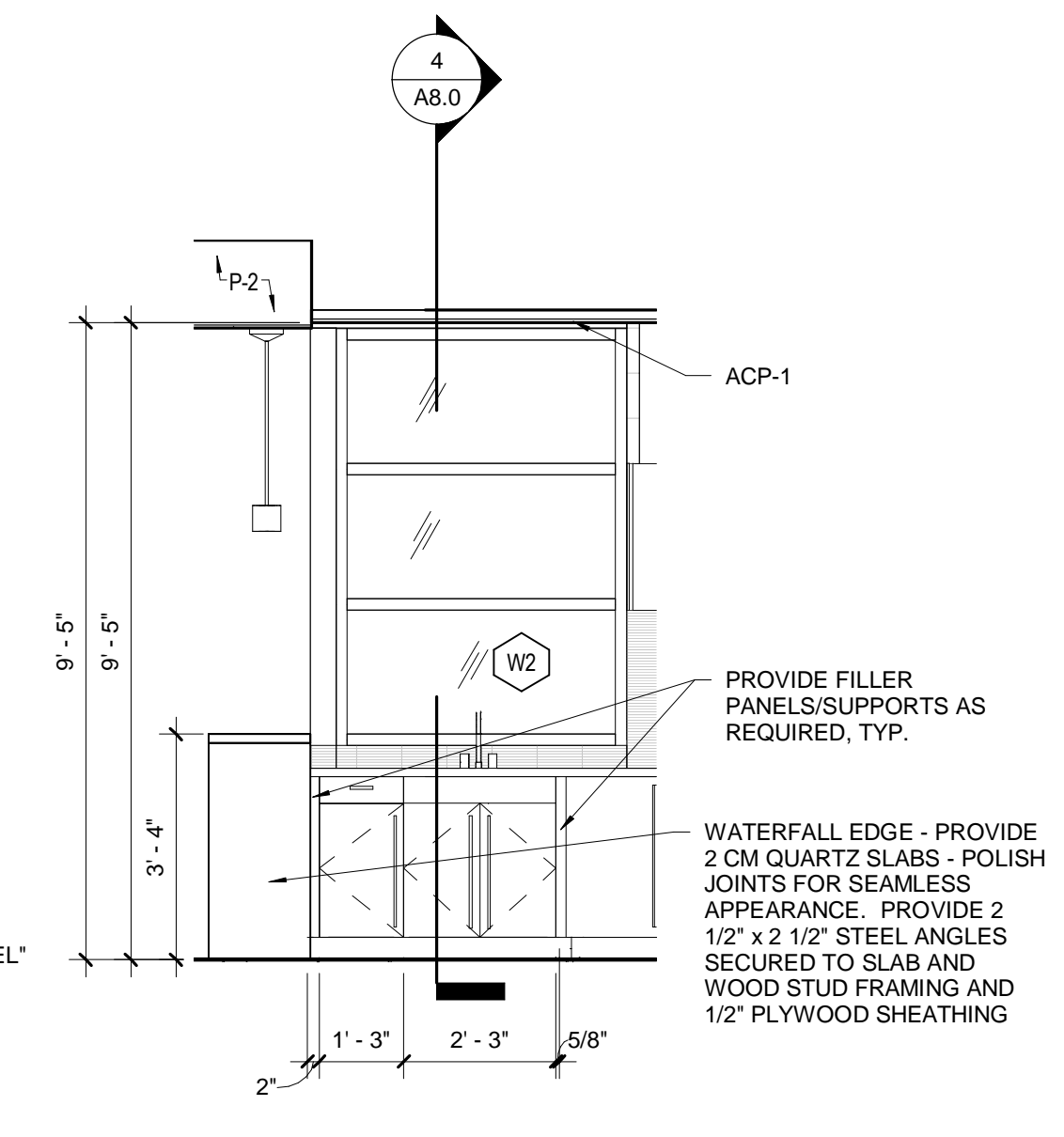
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Scale	As indicated
Drawn By	KBF
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State Project #.	H27-6102-AU

TITLE

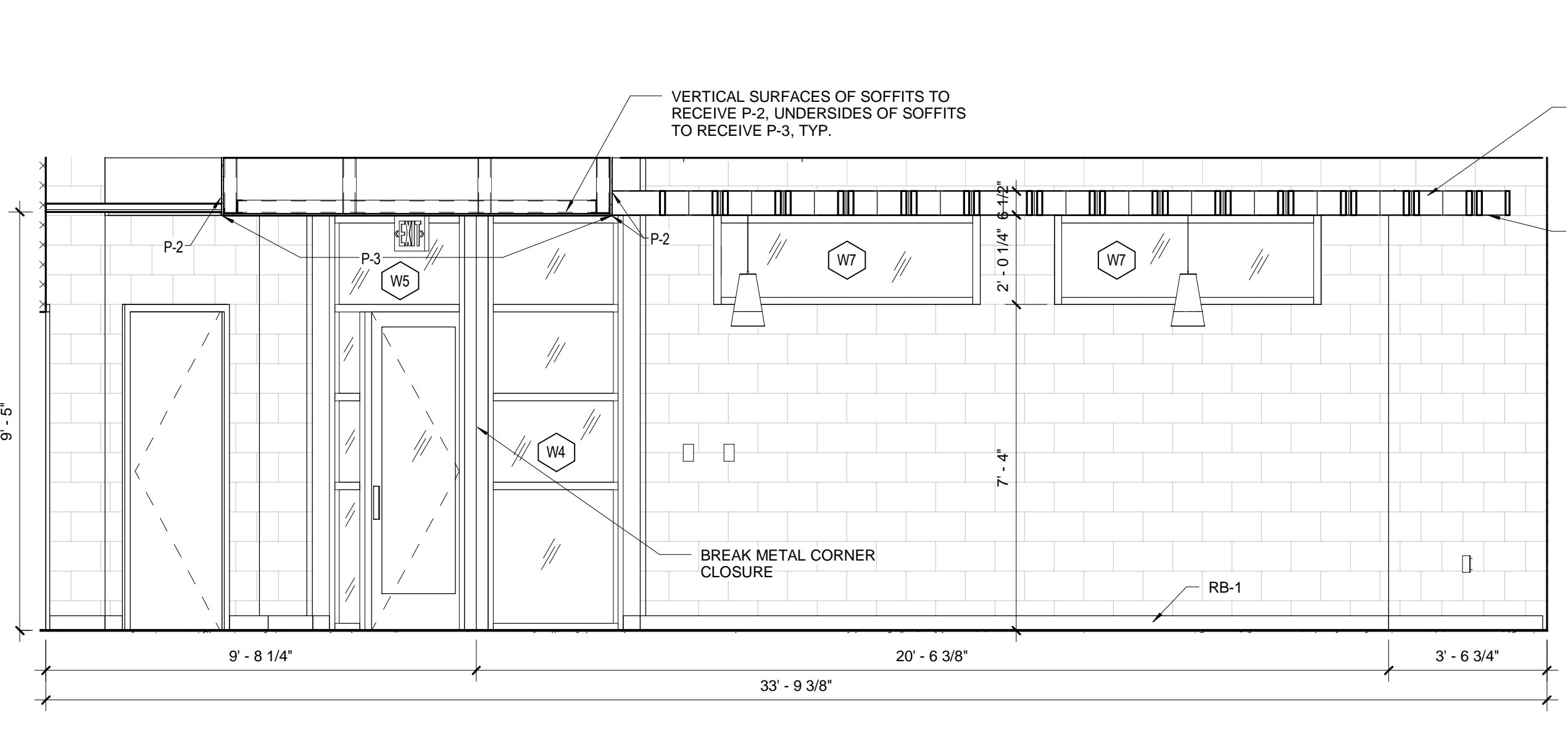
INTERIOR ELEVATIONS

SHEET NO.

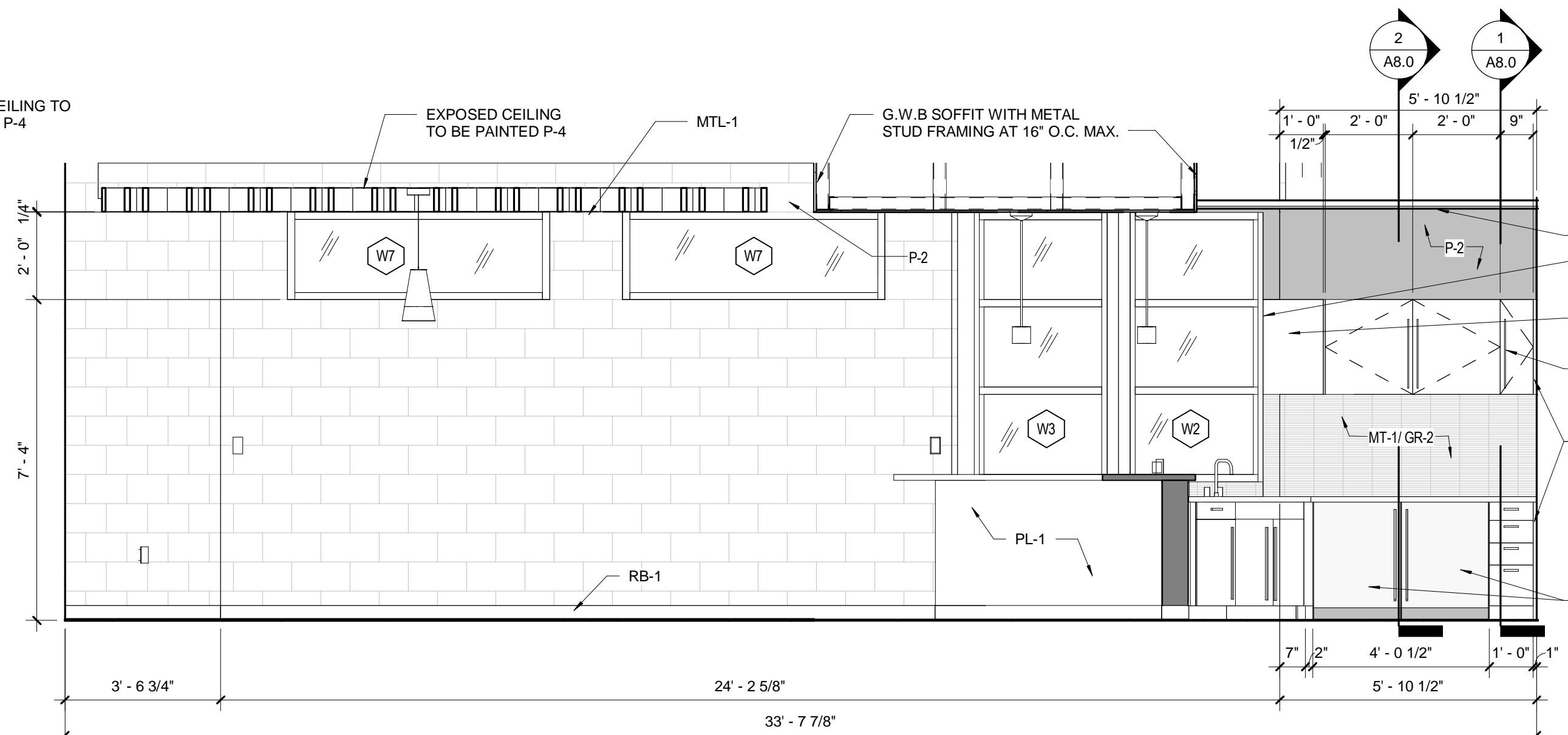
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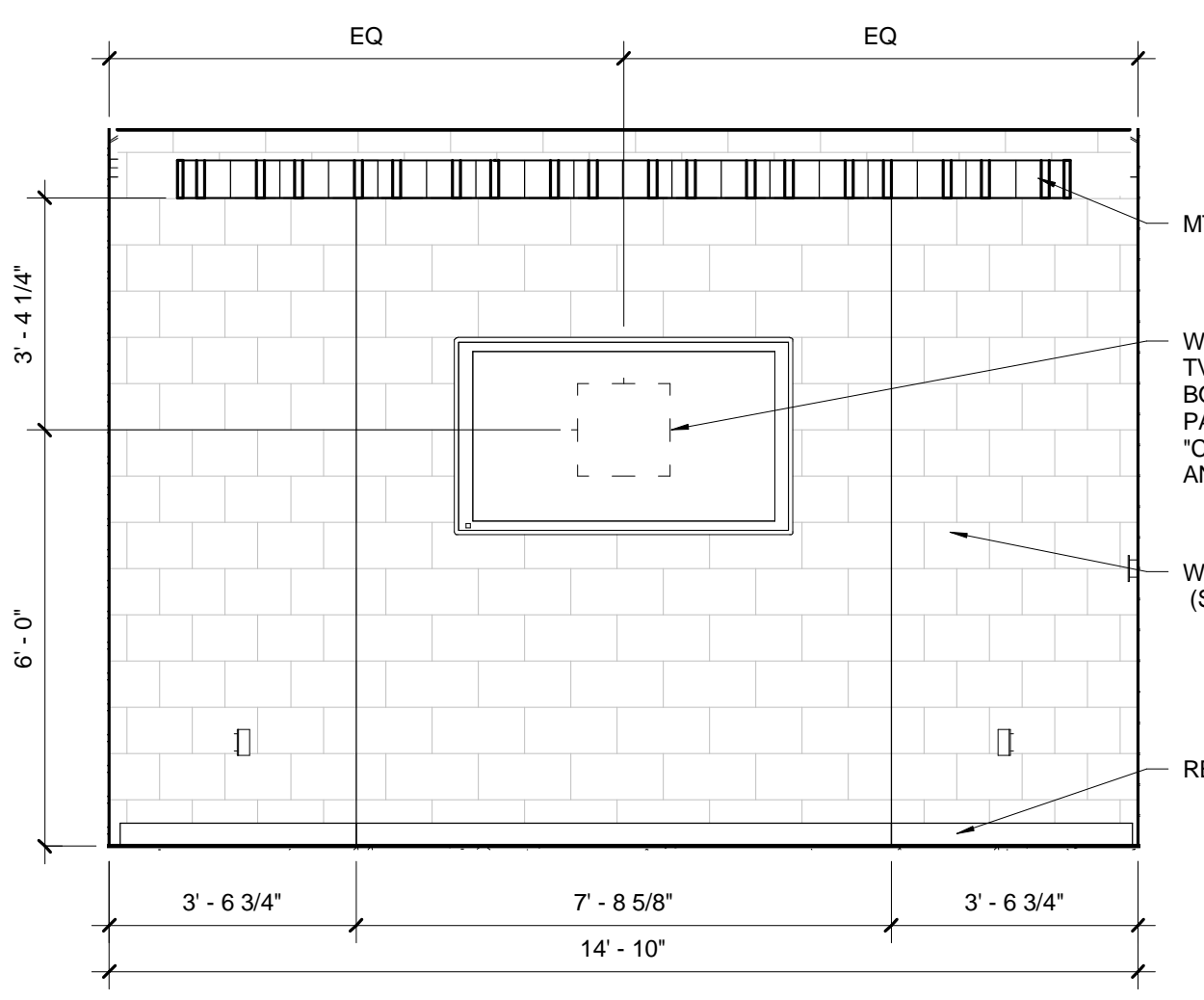
2A LOUNGE ELEVATION SCALE: 3/8" = 1'-0"



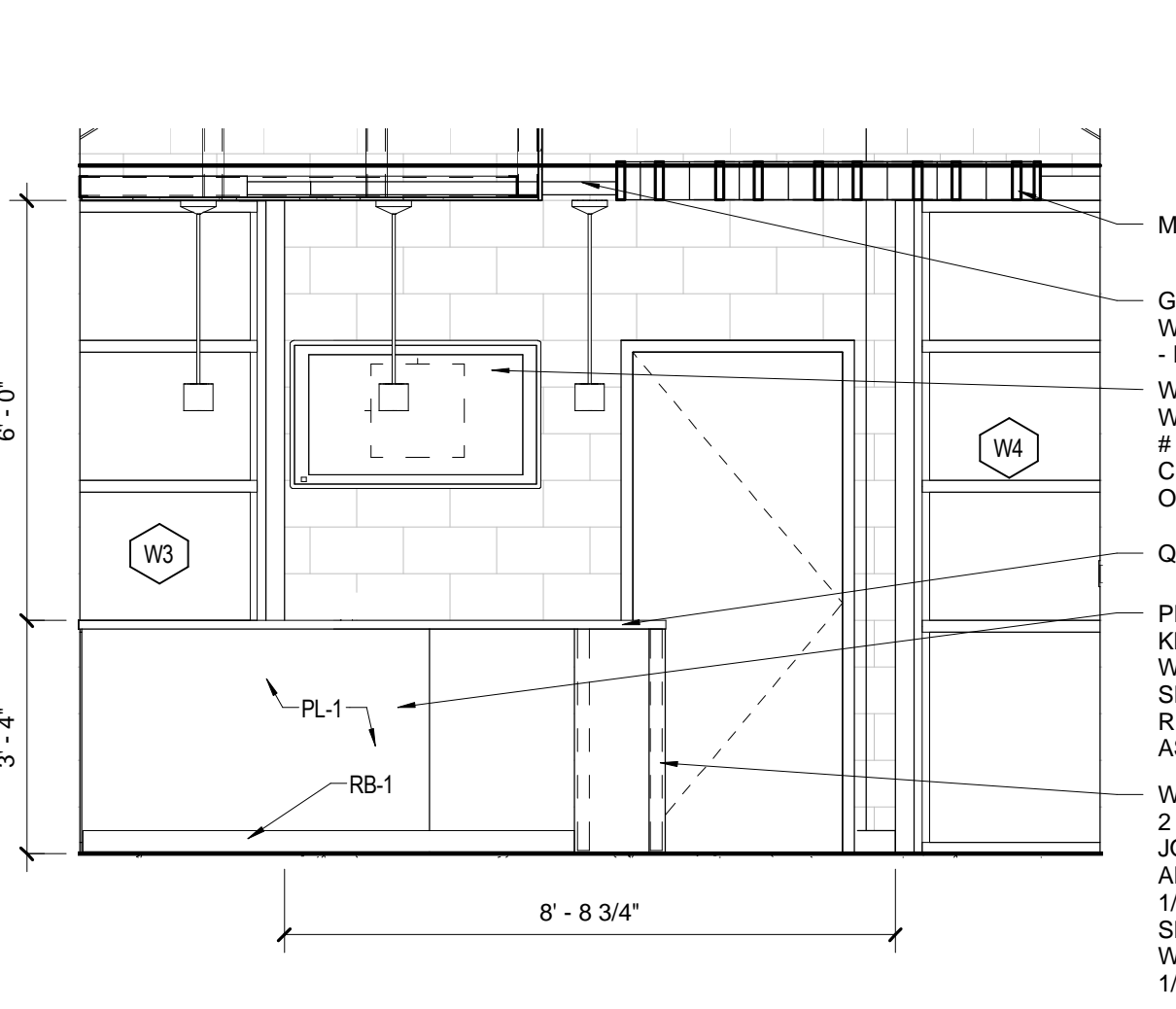
1 LOUNGE ELEVATION SCALE: 3/8" = 1'-0"



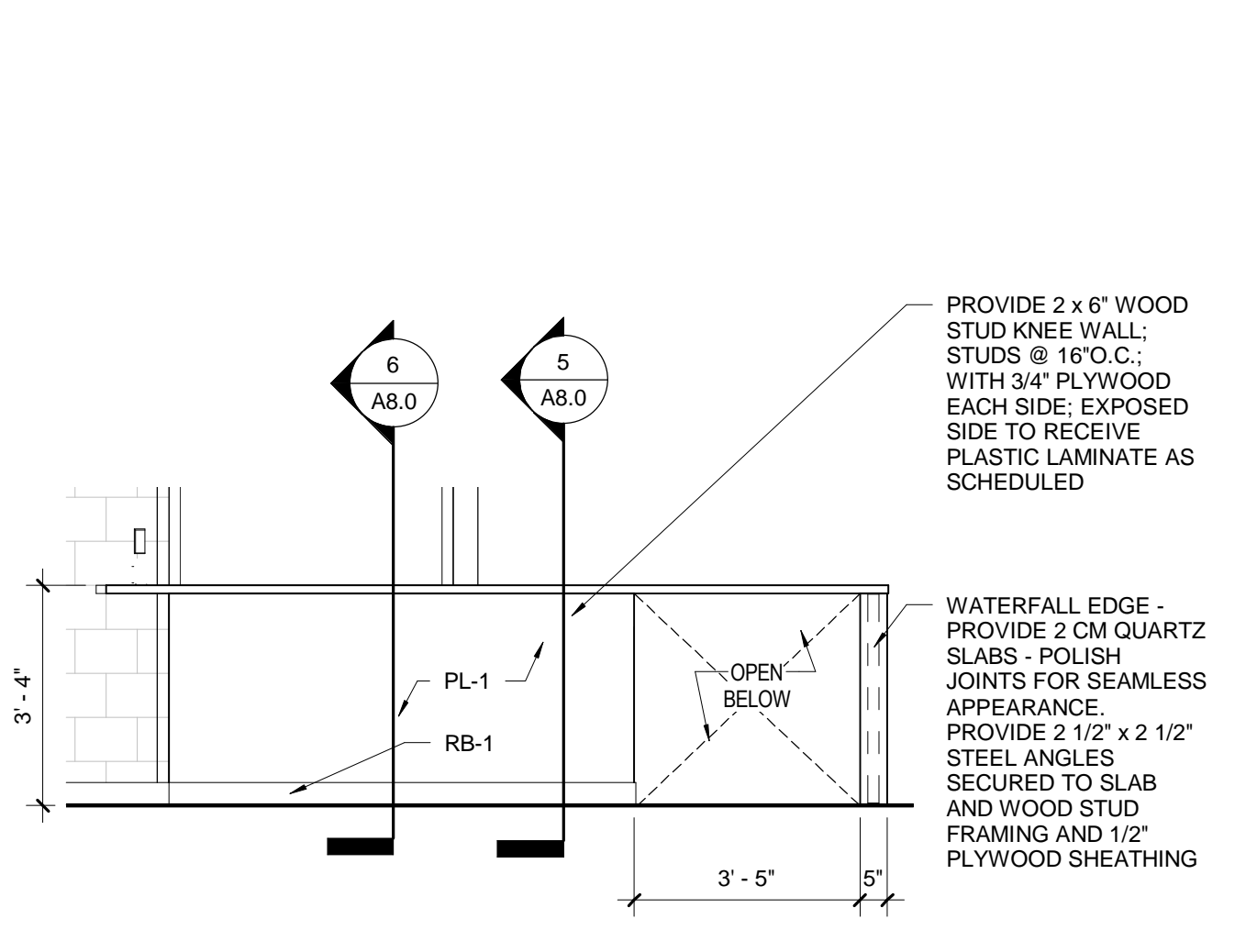
2 LOUNGE ELEVATION SCALE: 3/8" = 1'-0"



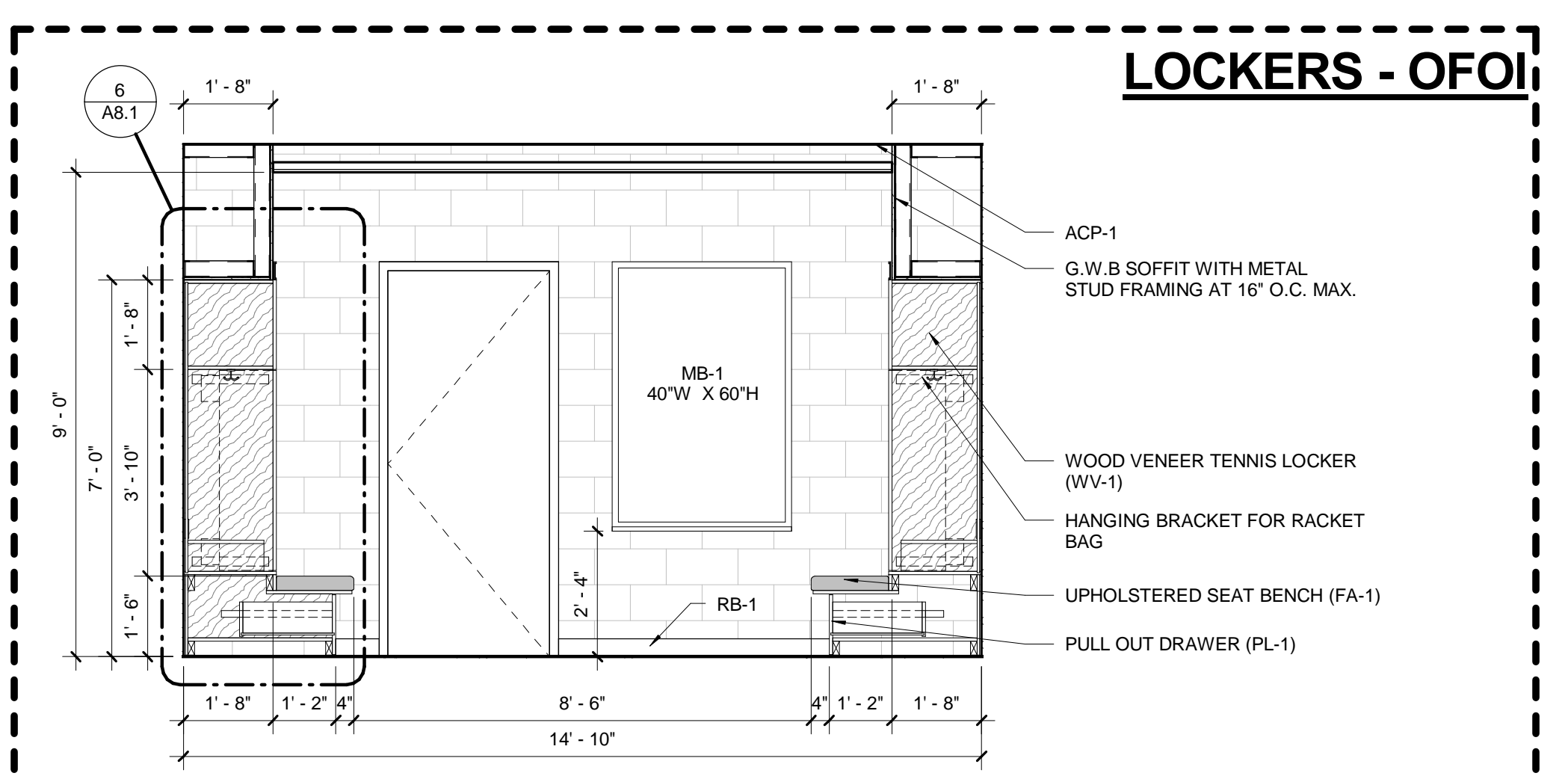
3 LOUNGE ELEVATION SCALE: 3/8" = 1'-0"



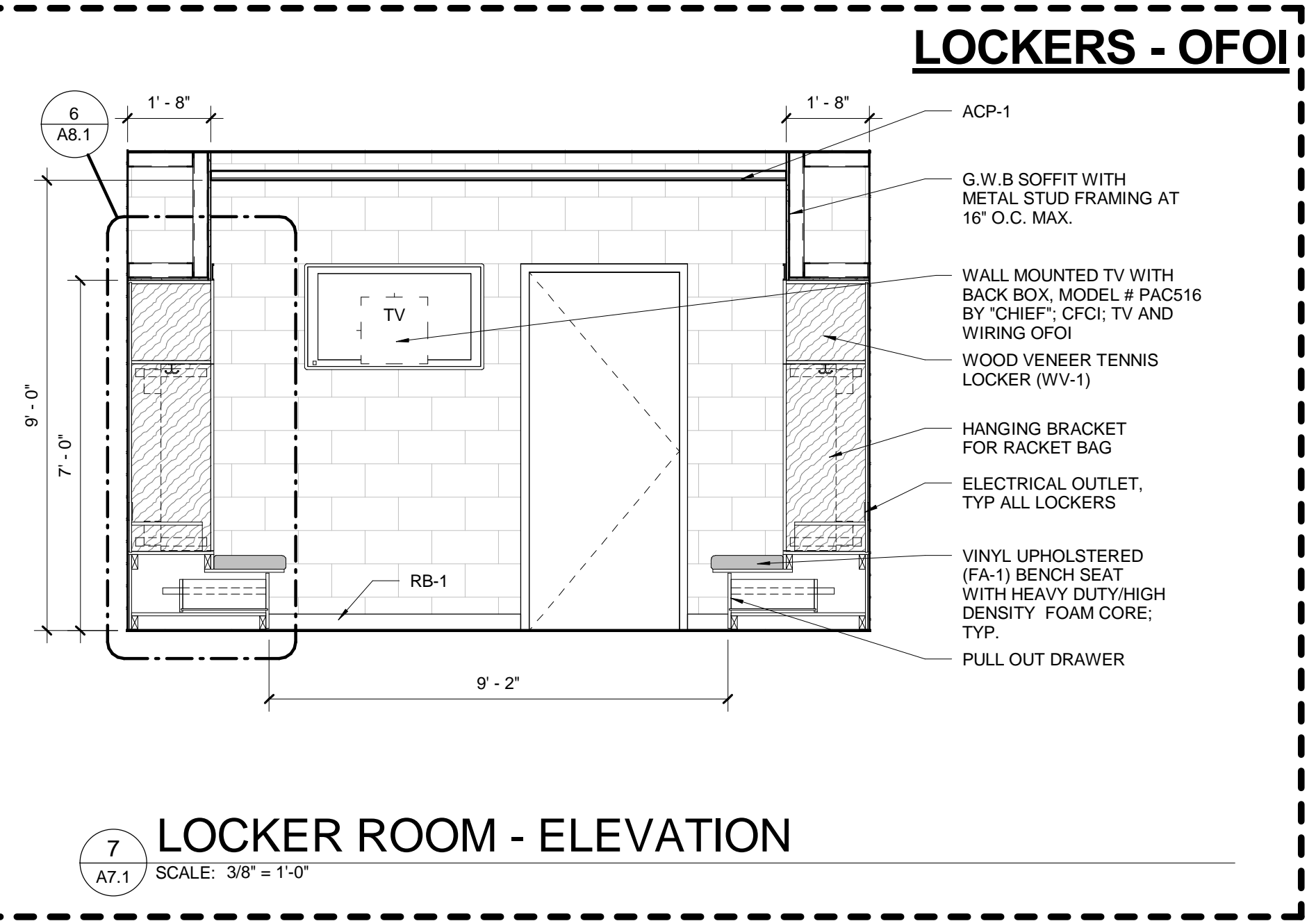
4 LOUNGE ELEVATION SCALE: 3/8" = 1'-0"



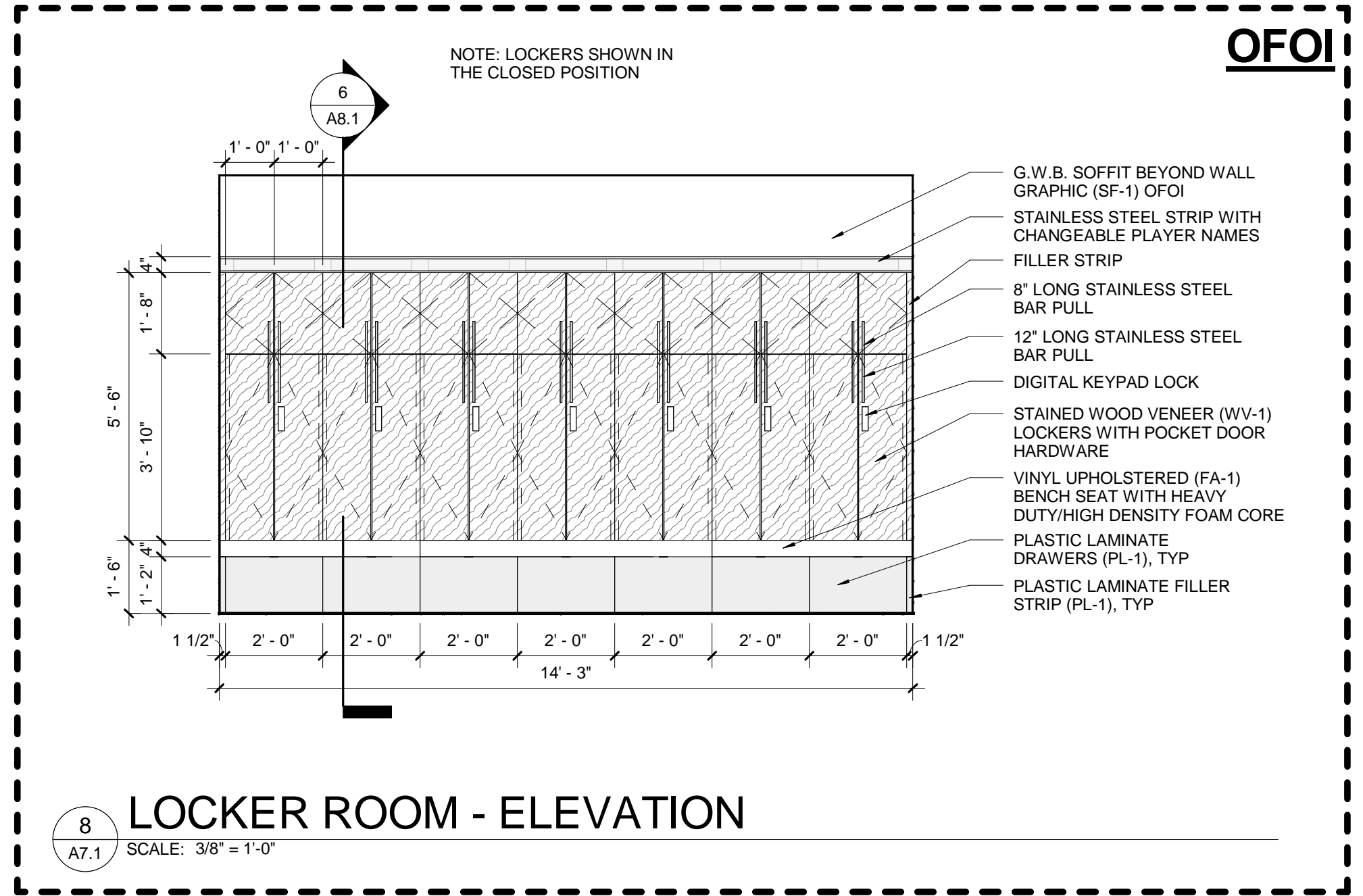
5 KITCHEN ELEVATION SCALE: 3/8" = 1'-0"



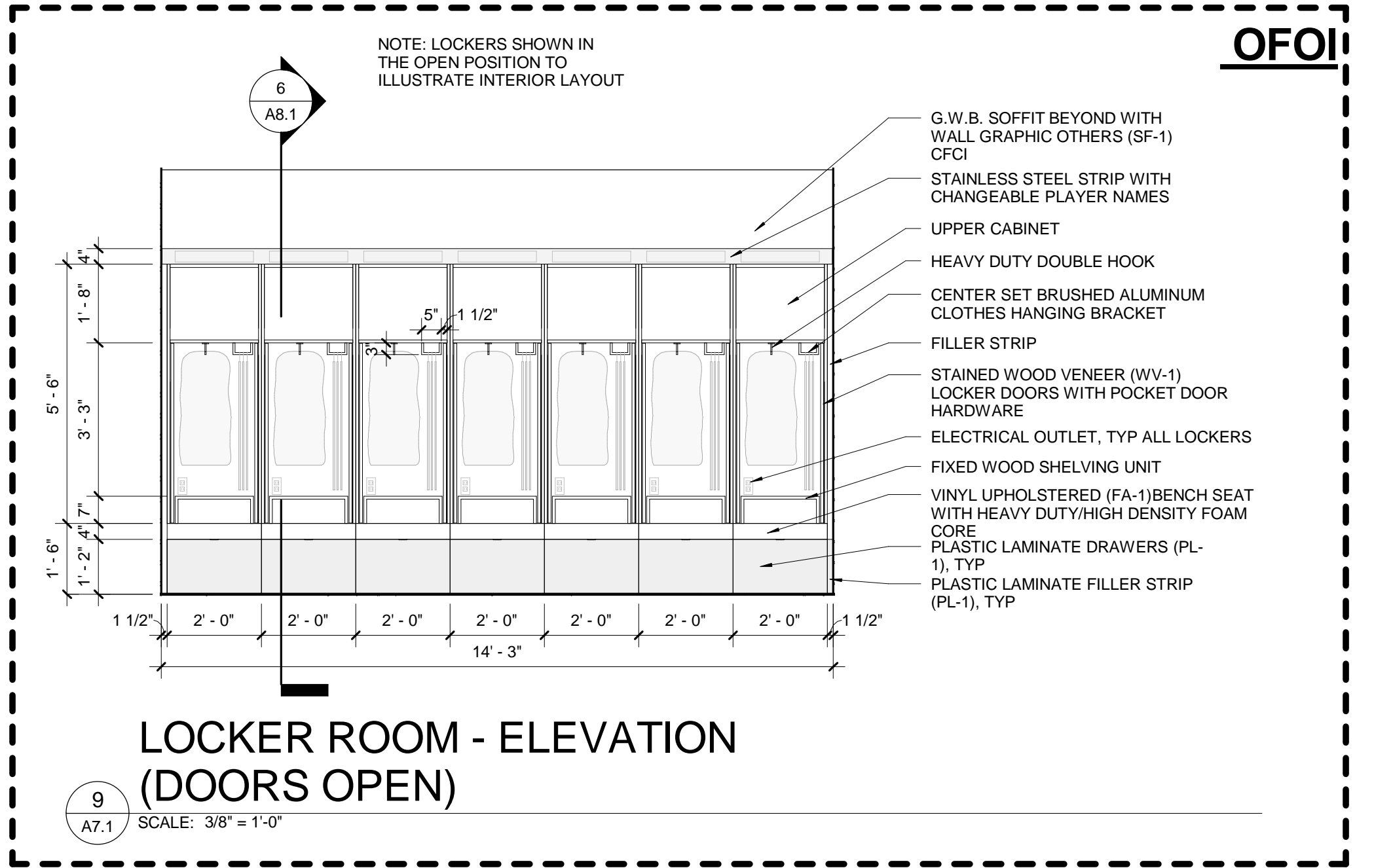
6 LOCKER ROOM - ELEVATION SCALE: 3/8" = 1'-0"



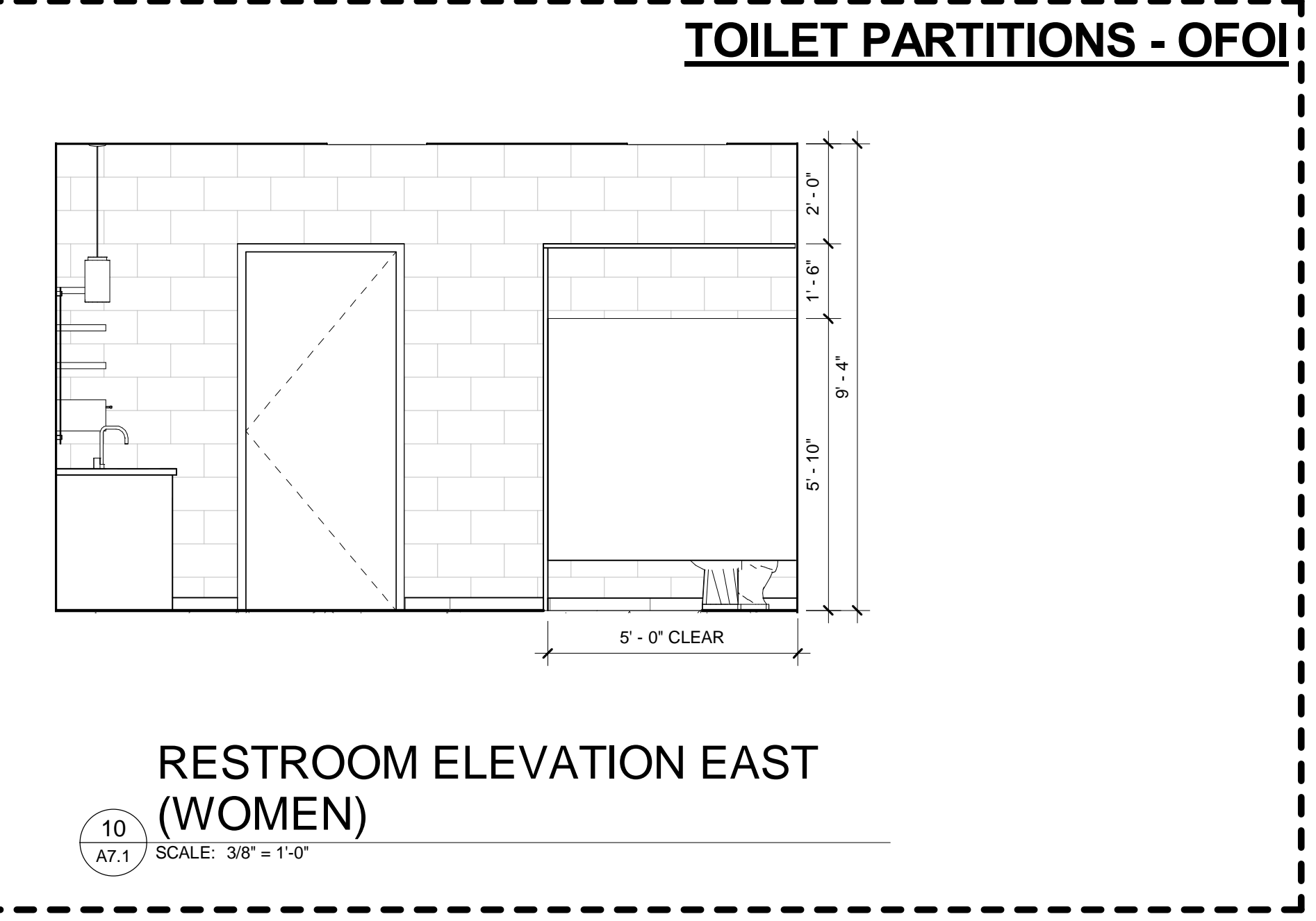
7 LOCKER ROOM - ELEVATION SCALE: 3/8" = 1'-0"



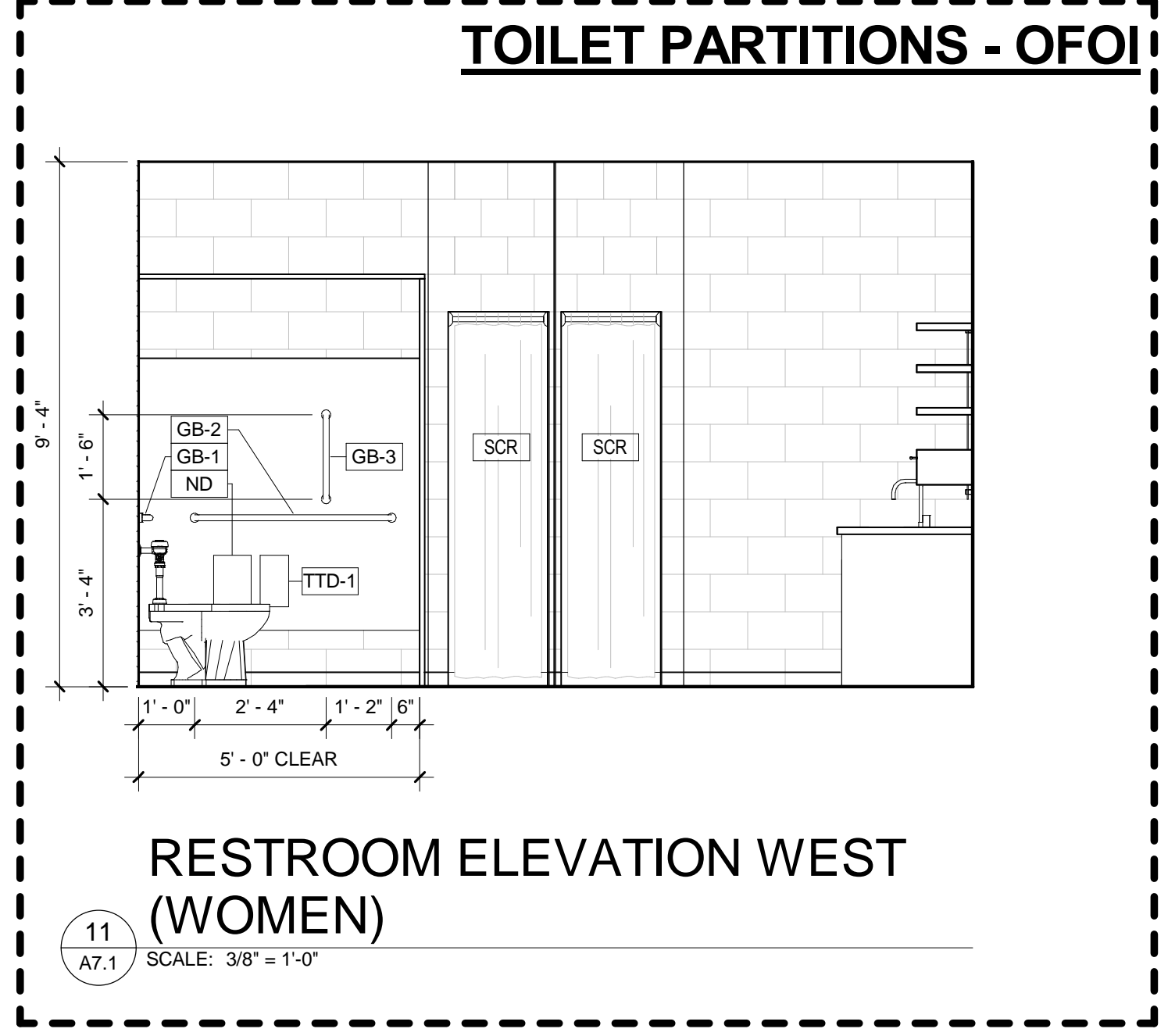
8 LOCKER ROOM - ELEVATION SCALE: 3/8" = 1'-0"



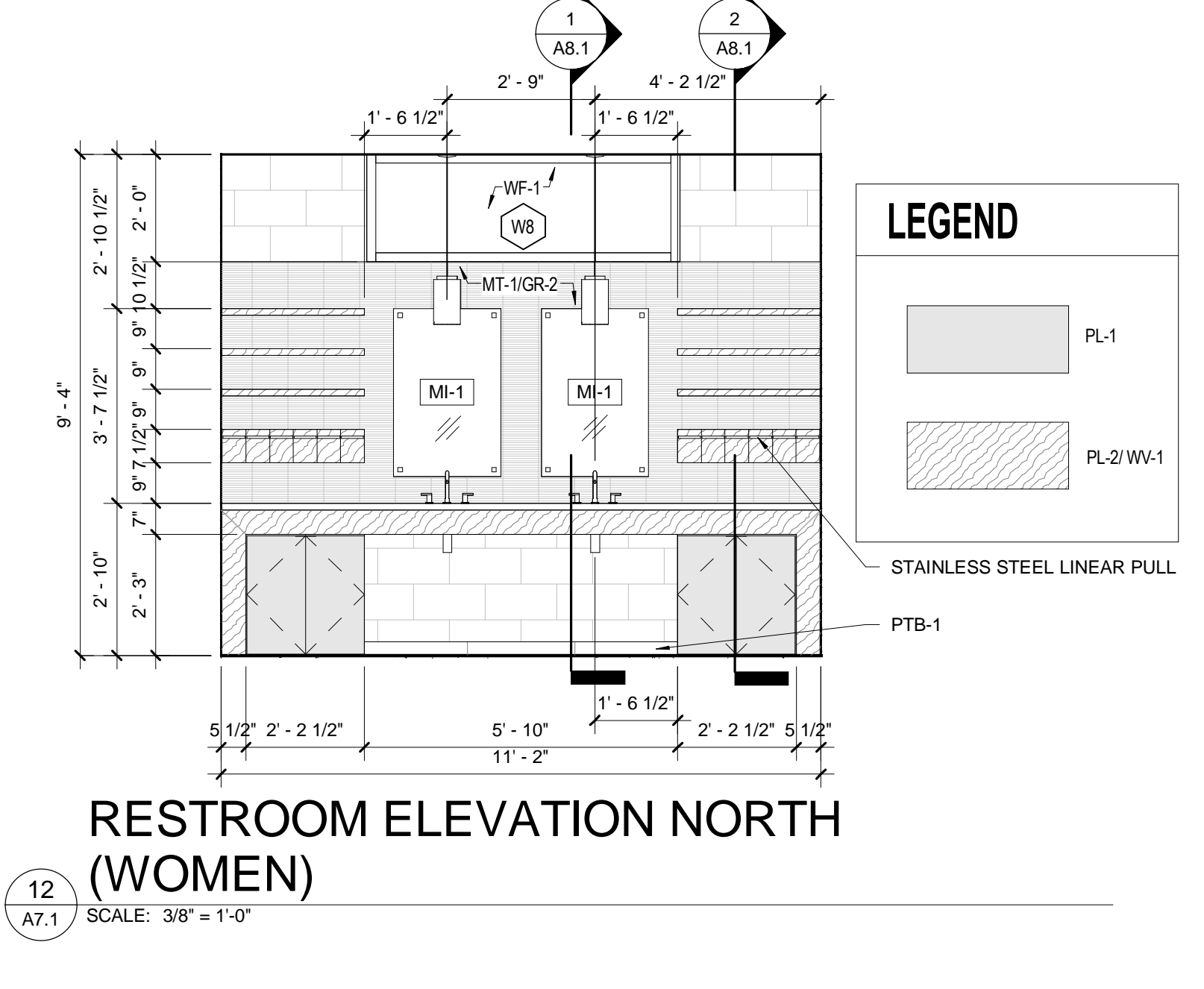
9 LOCKER ROOM - ELEVATION (DOORS OPEN) SCALE: 3/8" = 1'-0"



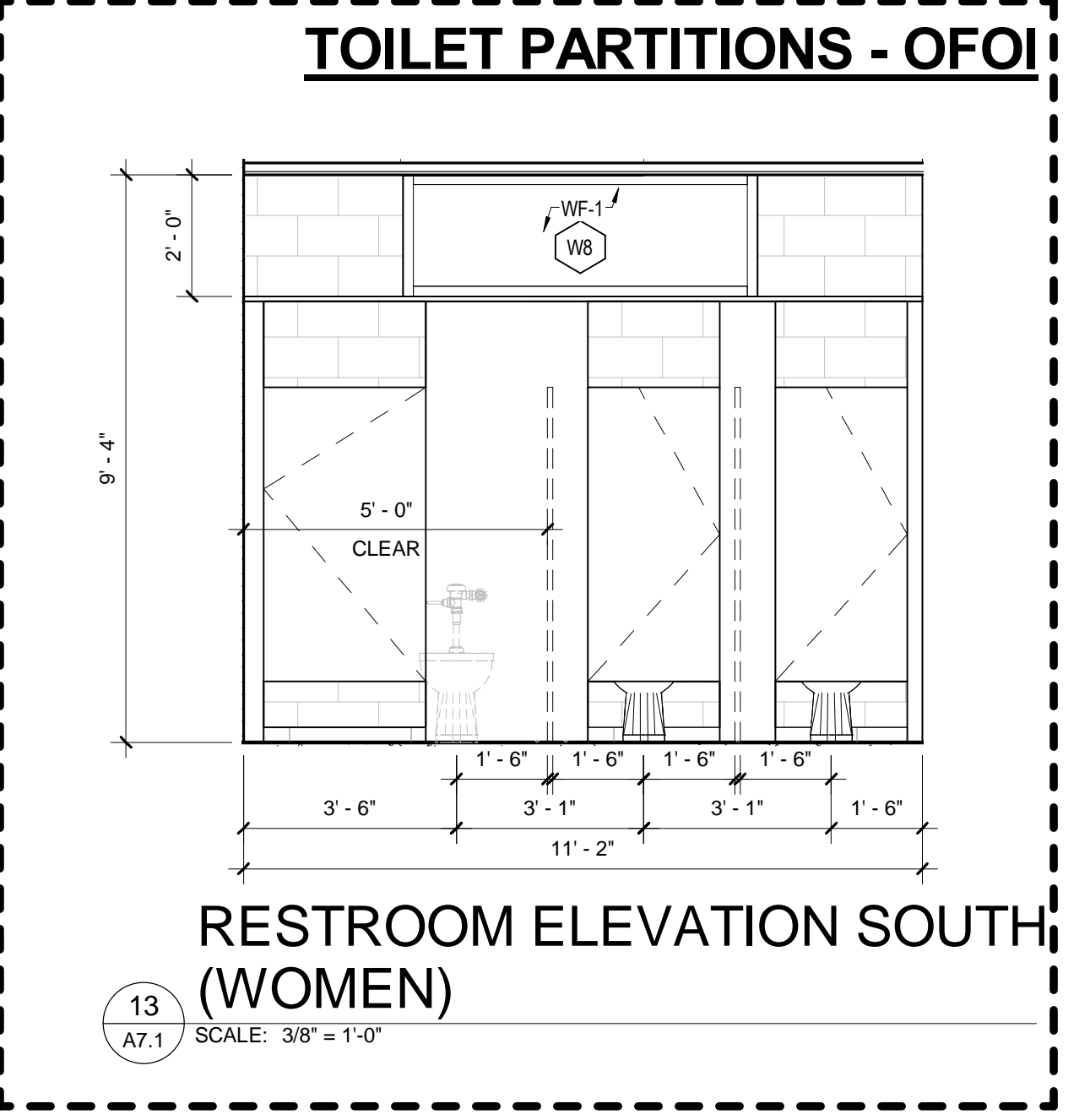
10 RESTROOM ELEVATION EAST (WOMEN) SCALE: 3/8" = 1'-0"



11 RESTROOM ELEVATION WEST (WOMEN) SCALE: 3/8" = 1'-0"



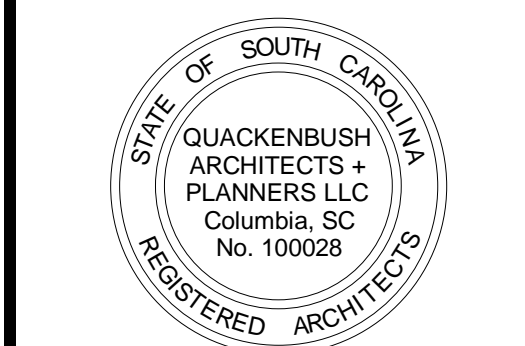
12 RESTROOM ELEVATION NORTH (WOMEN) SCALE: 3/8" = 1'-0"



13 RESTROOM ELEVATION SOUTH (WOMEN) SCALE: 3/8" = 1'-0"

6/5/2014 3:45:11 PM

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA
ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

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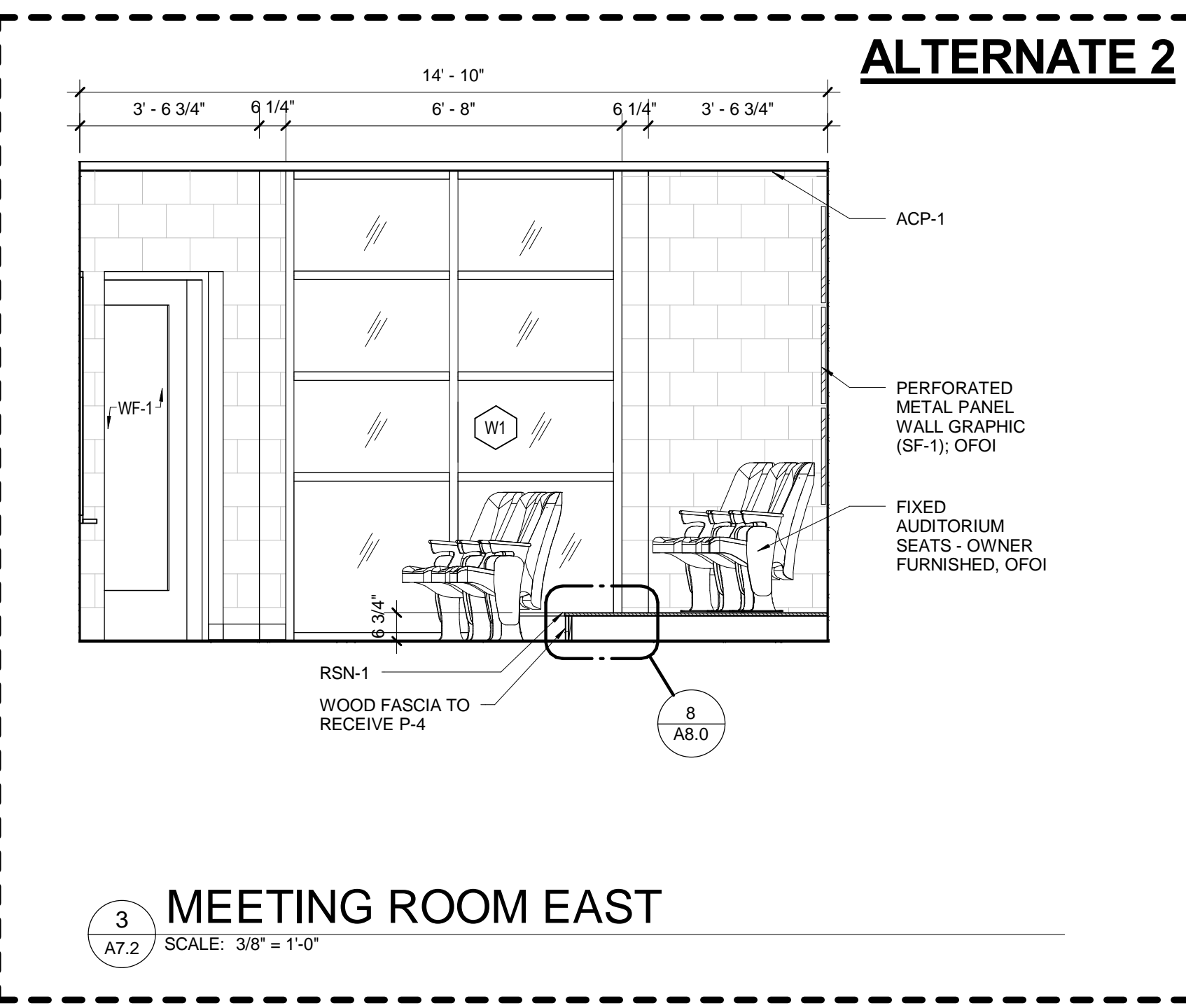
REVISIONS

NO	REVISION	DATE

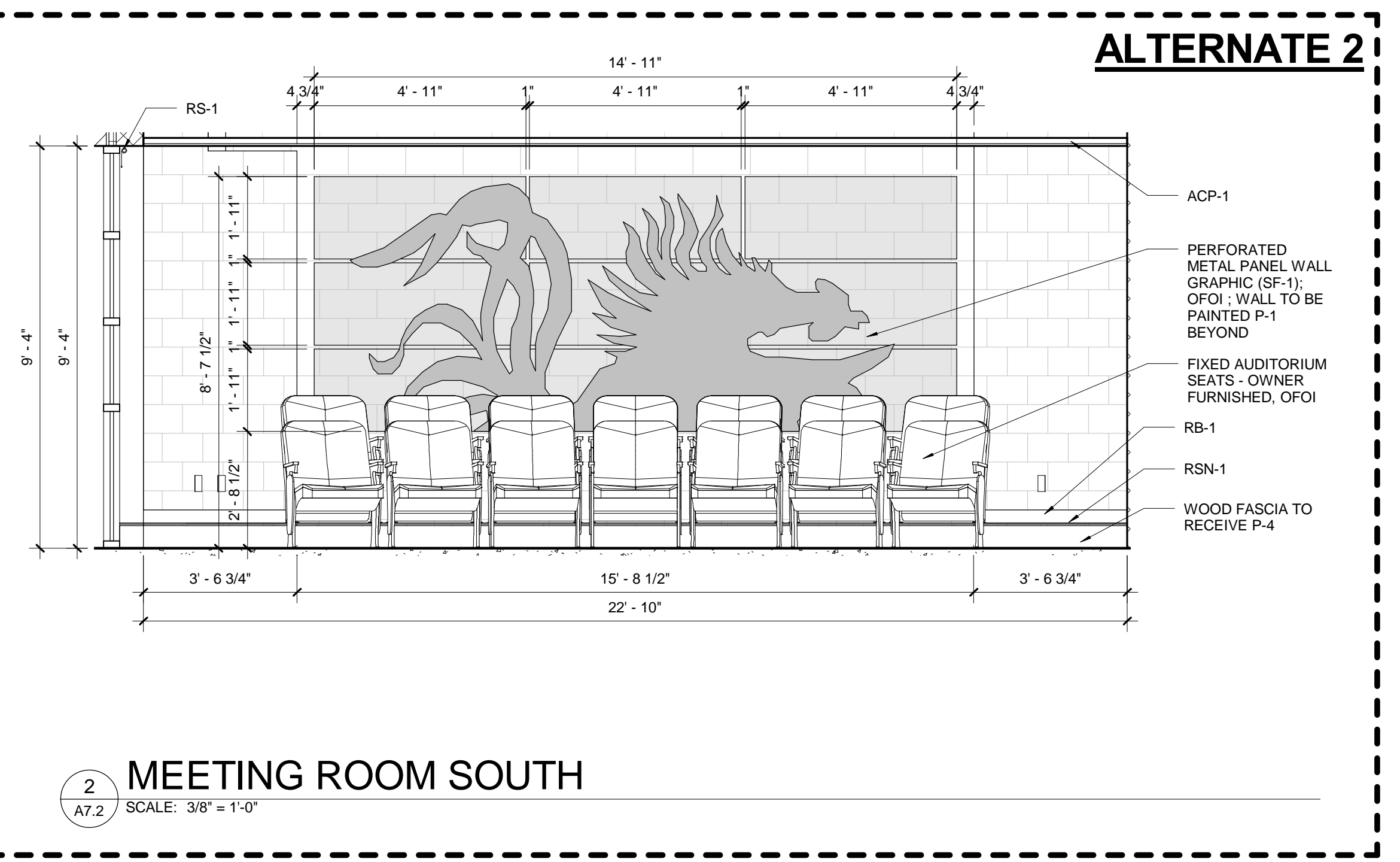
SHEET INFORMATION

Date	06/05/2014
Project No.	12.130.09
Scale	3/8" = 1'-0"
Drawn By	KBF
Checked By	MWW
State Project #	H27-6102-AU

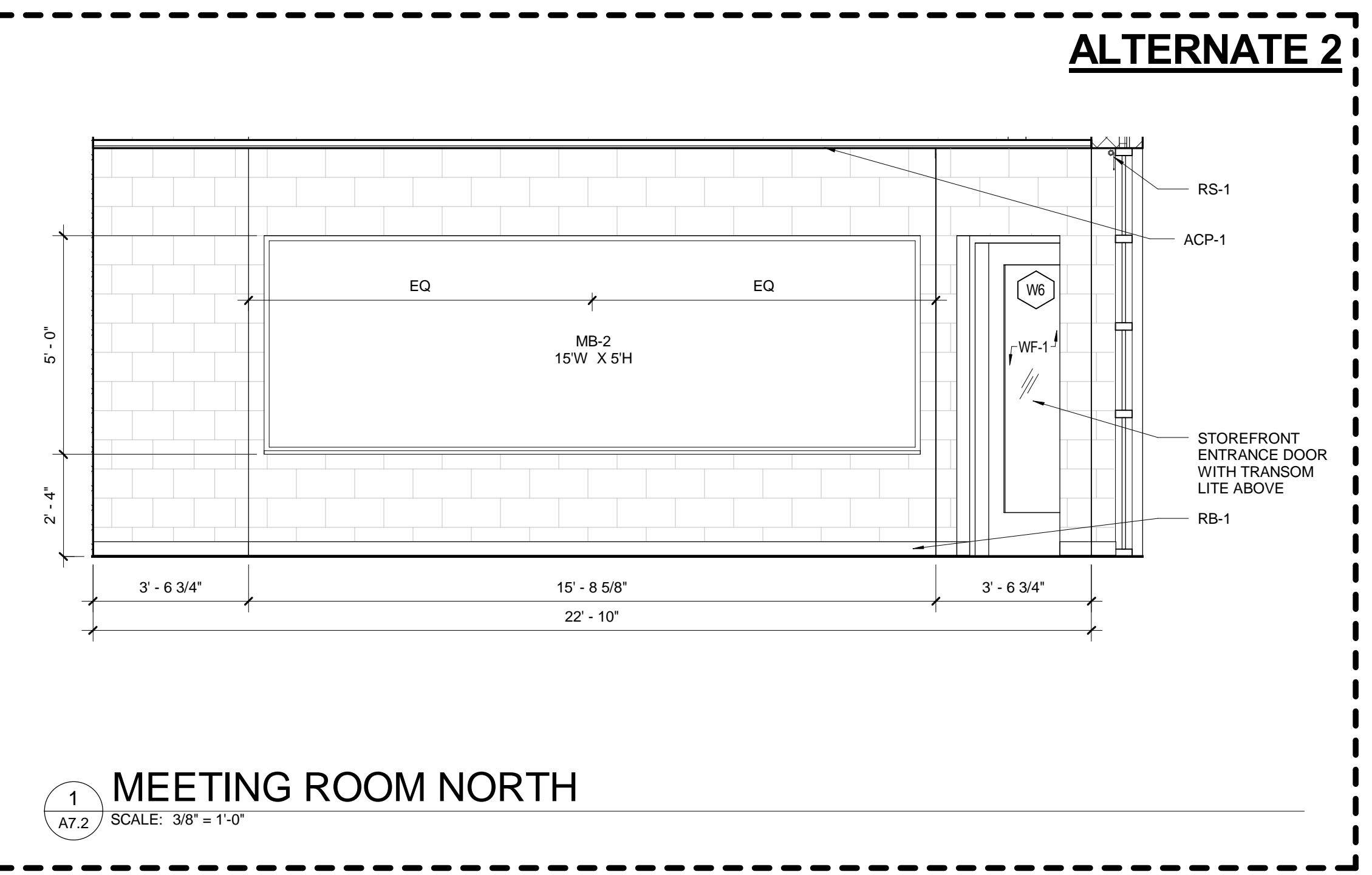
INTERIOR ELEVATIONS



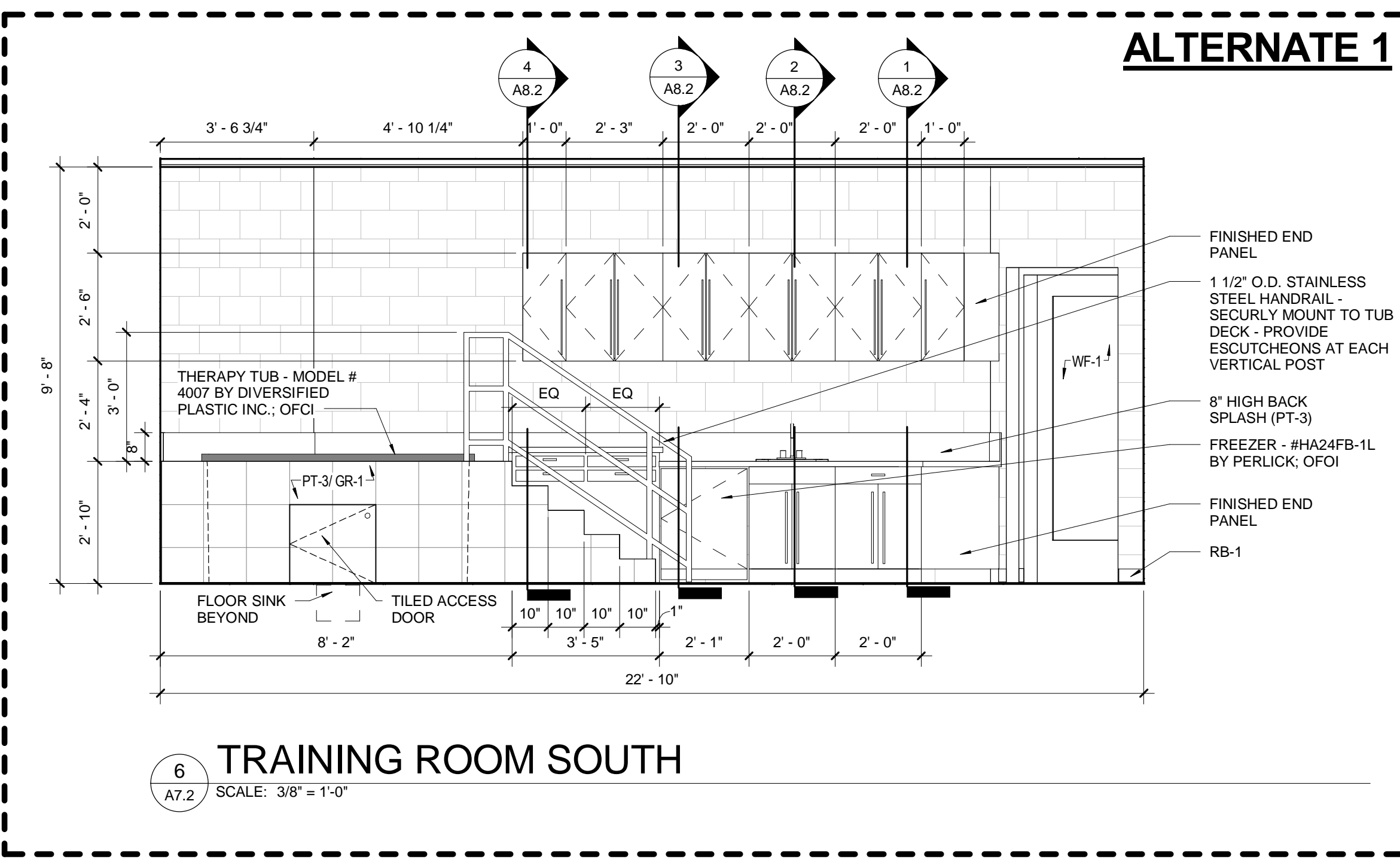
3 MEETING ROOM EAST
SCALE: 3/8" = 1'-0"



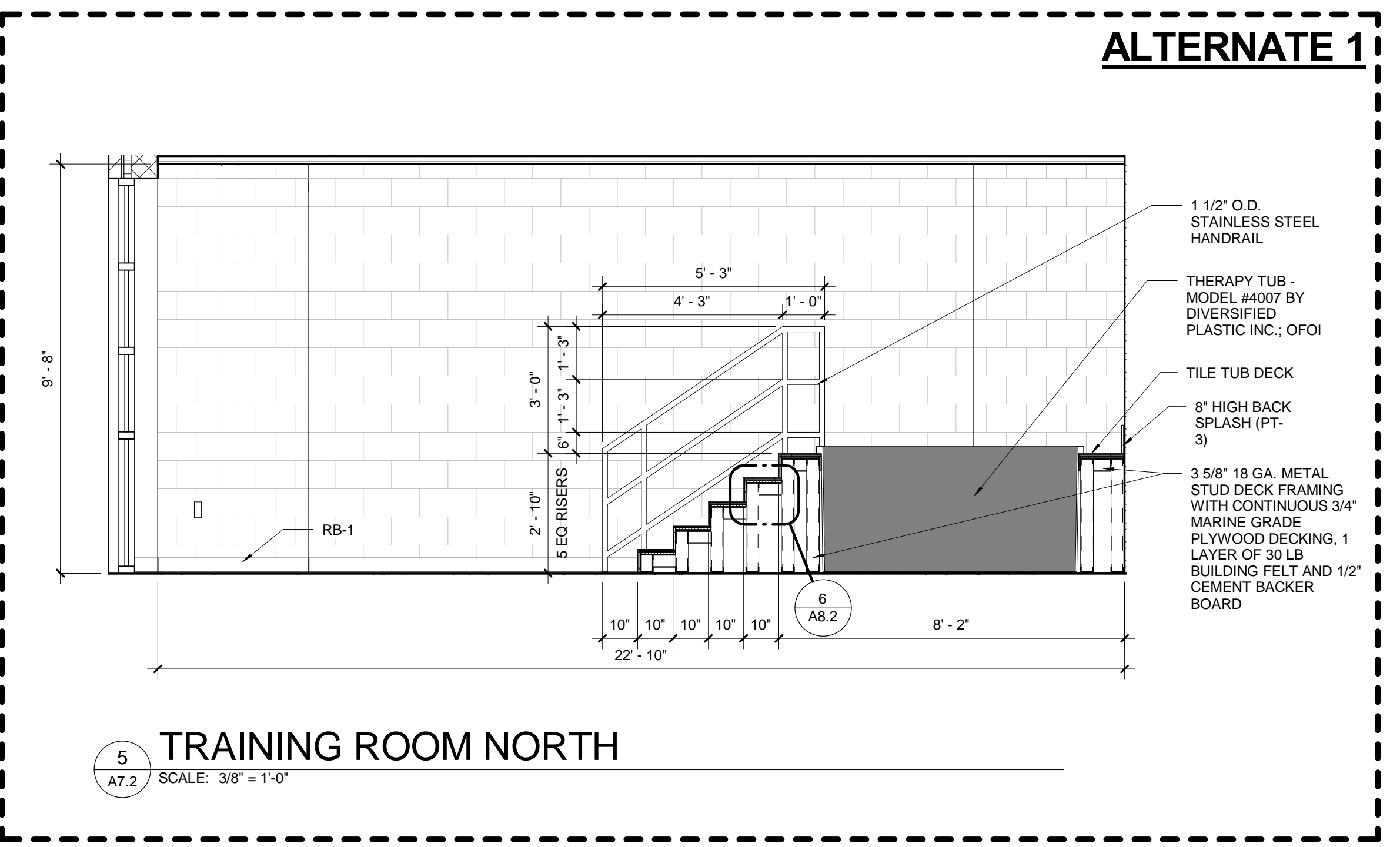
2 MEETING ROOM SOUTH
SCALE: 3/8" = 1'-0"



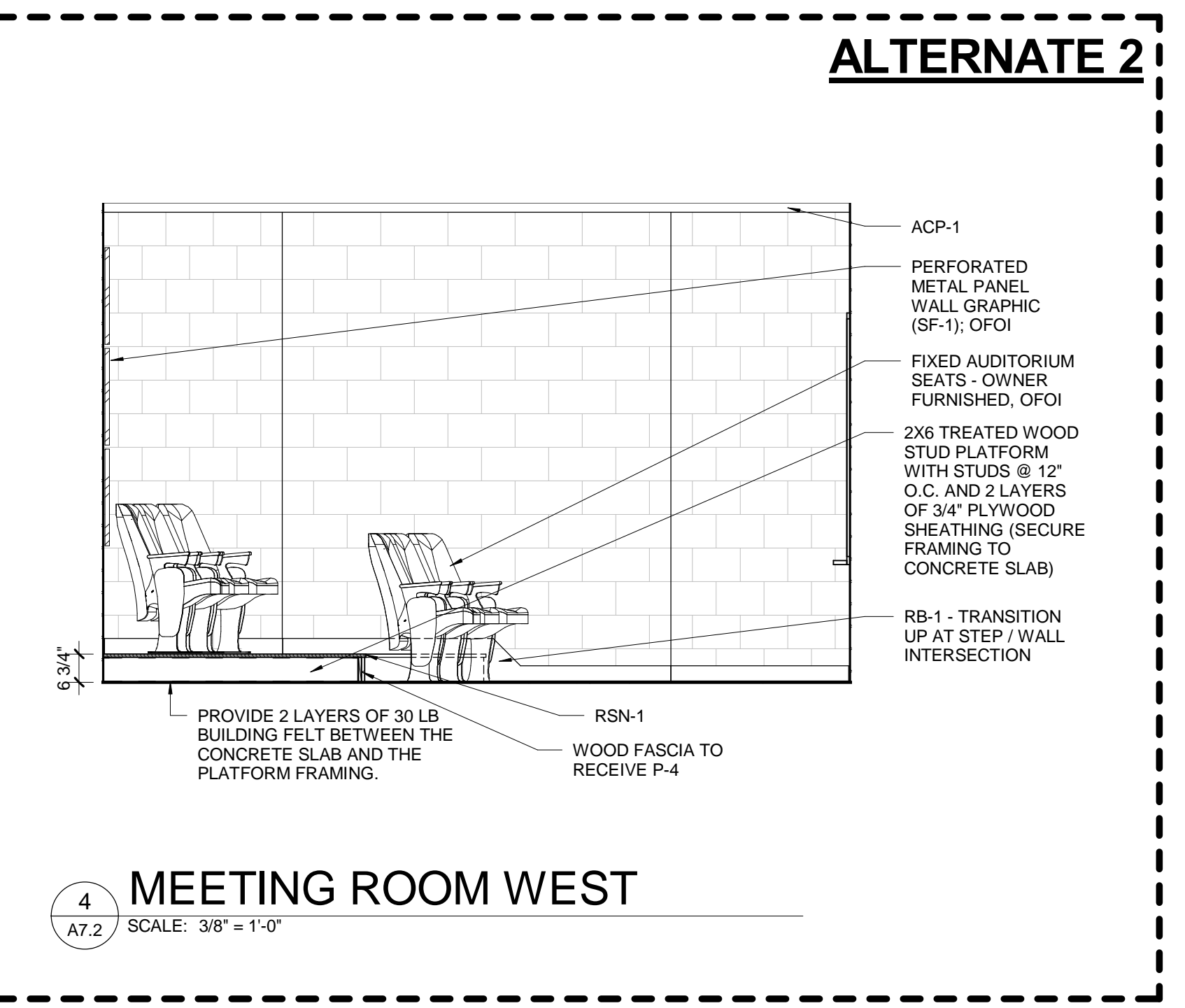
1 MEETING ROOM NORTH
SCALE: 3/8" = 1'-0"



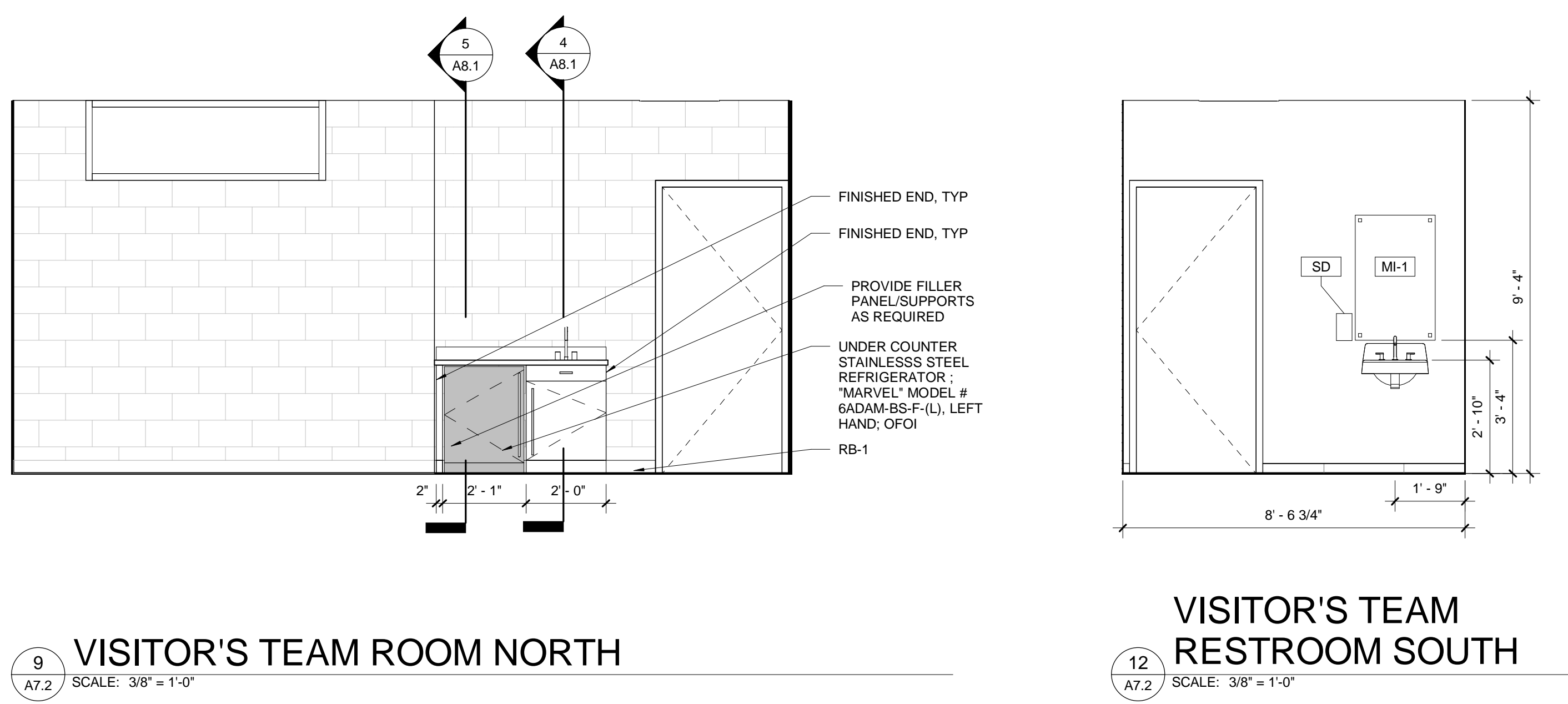
6 TRAINING ROOM SOUTH
SCALE: 3/8" = 1'-0"



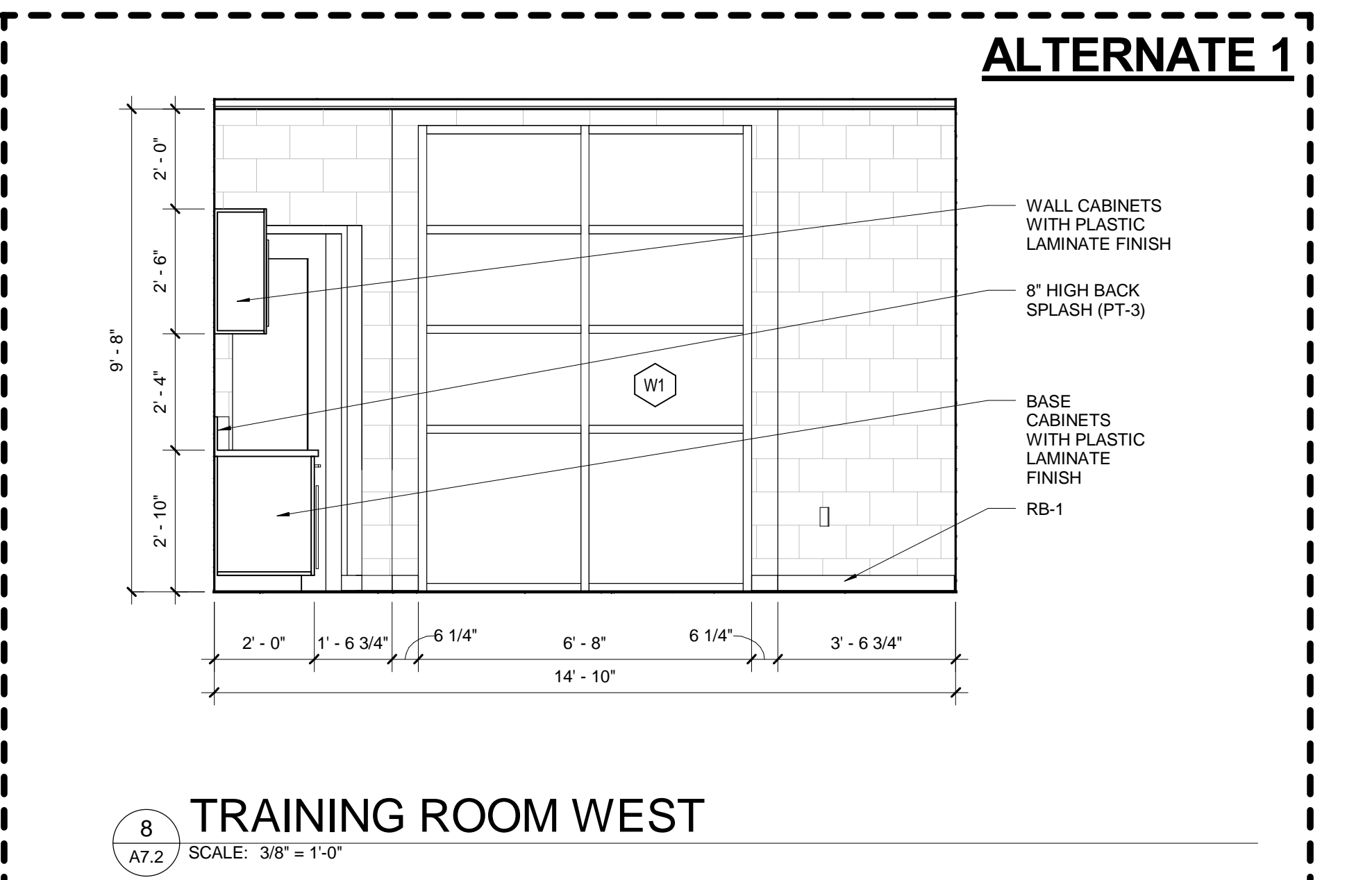
5 TRAINING ROOM NORTH
SCALE: 3/8" = 1'-0"



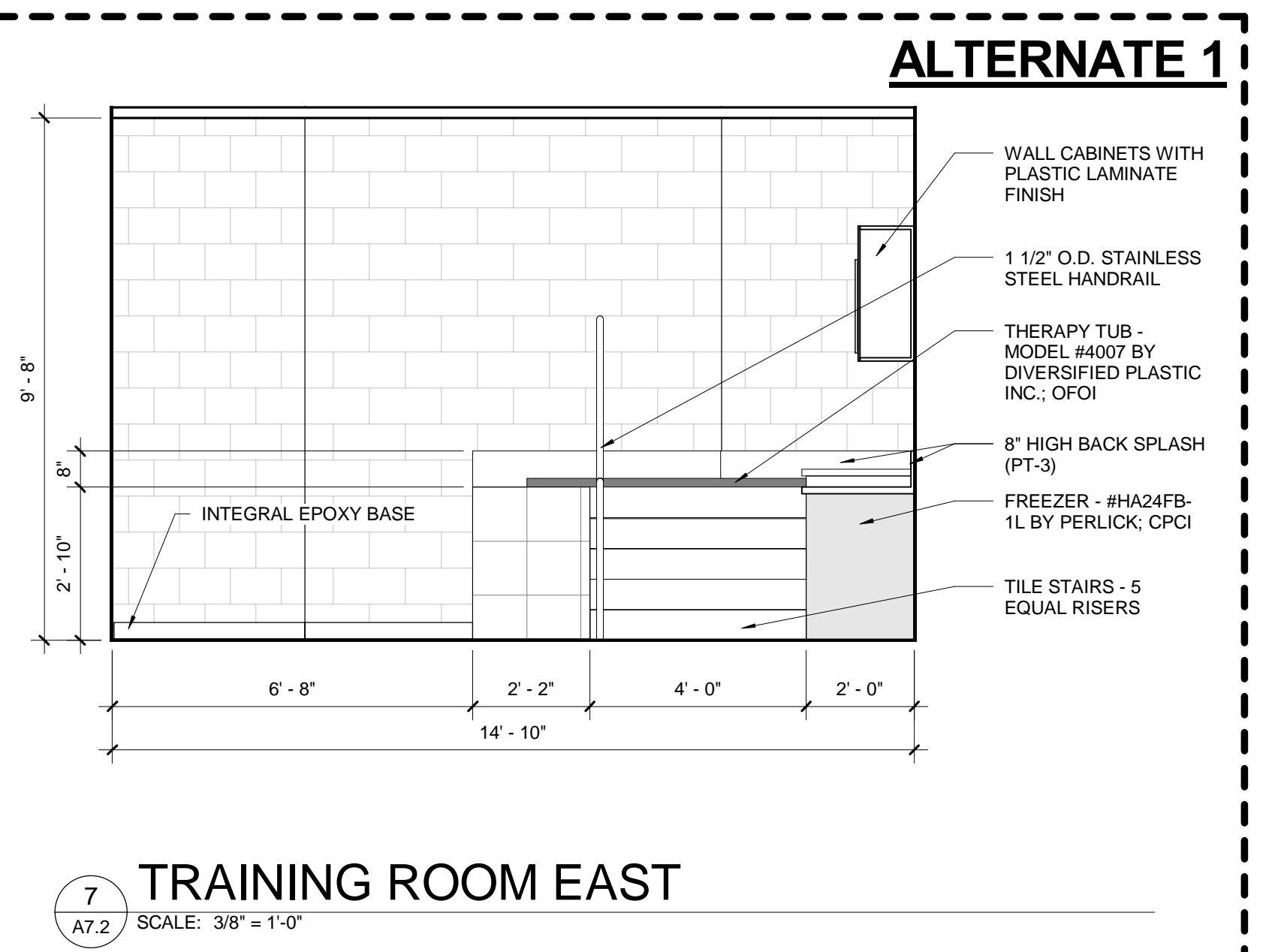
4 MEETING ROOM WEST
SCALE: 3/8" = 1'-0"



12 VISITOR'S TEAM RESTROOM SOUTH
SCALE: 3/8" = 1'-0"

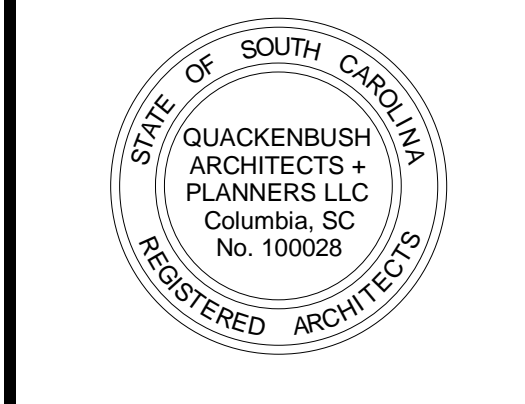


8 TRAINING ROOM WEST
SCALE: 3/8" = 1'-0"



7 TRAINING ROOM EAST
SCALE: 3/8" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST. COLUMBIA, SC 29201

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REVISIONS		
NO.	REVISION	DATE

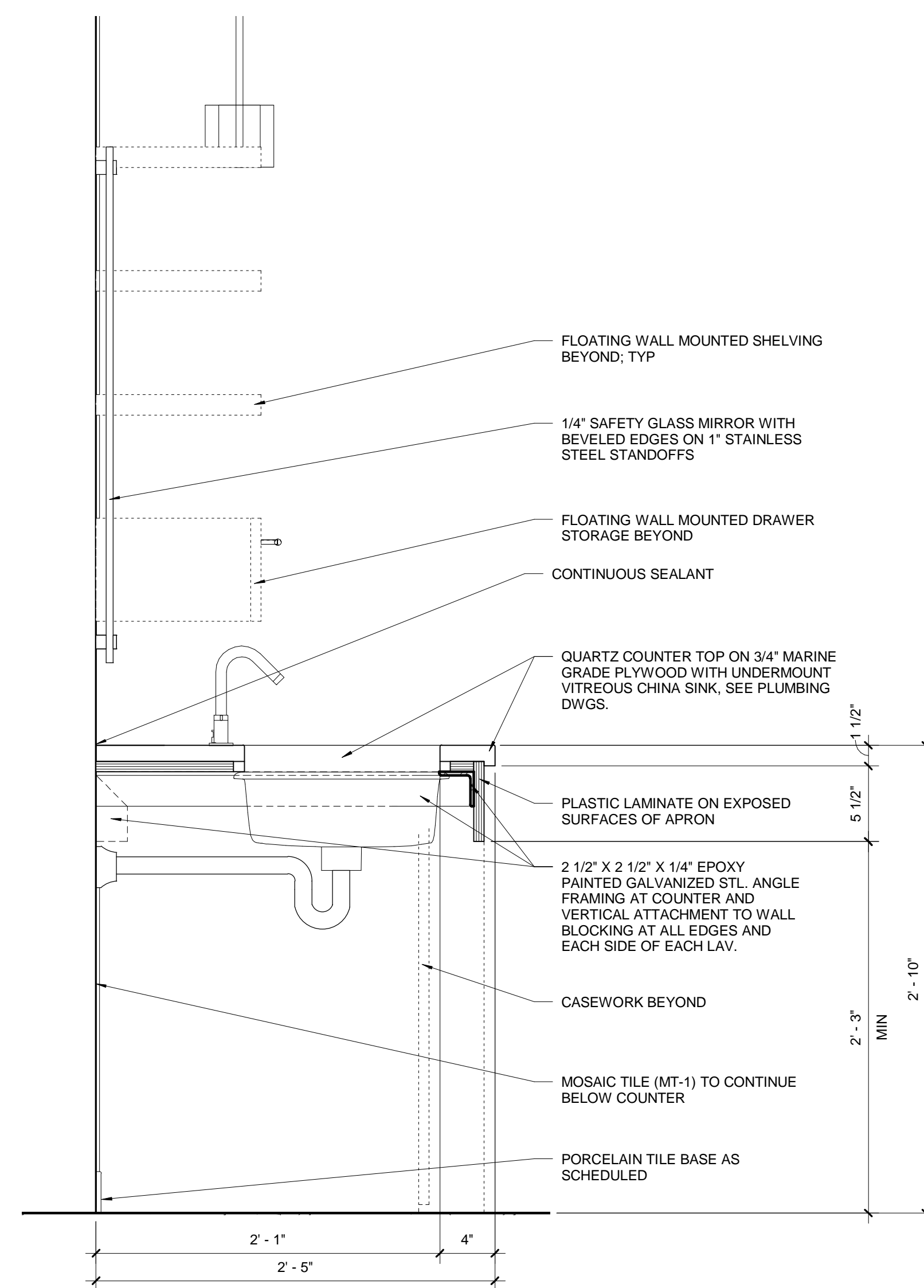
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Date	06/05/2014	
Project No.	12.130.09	
Scale	As indicated	
Drawn By	WMS	
Checked By	MWW	
State Project #.	H27-6102-AU	

TITLE

CASEWORK DETAILS

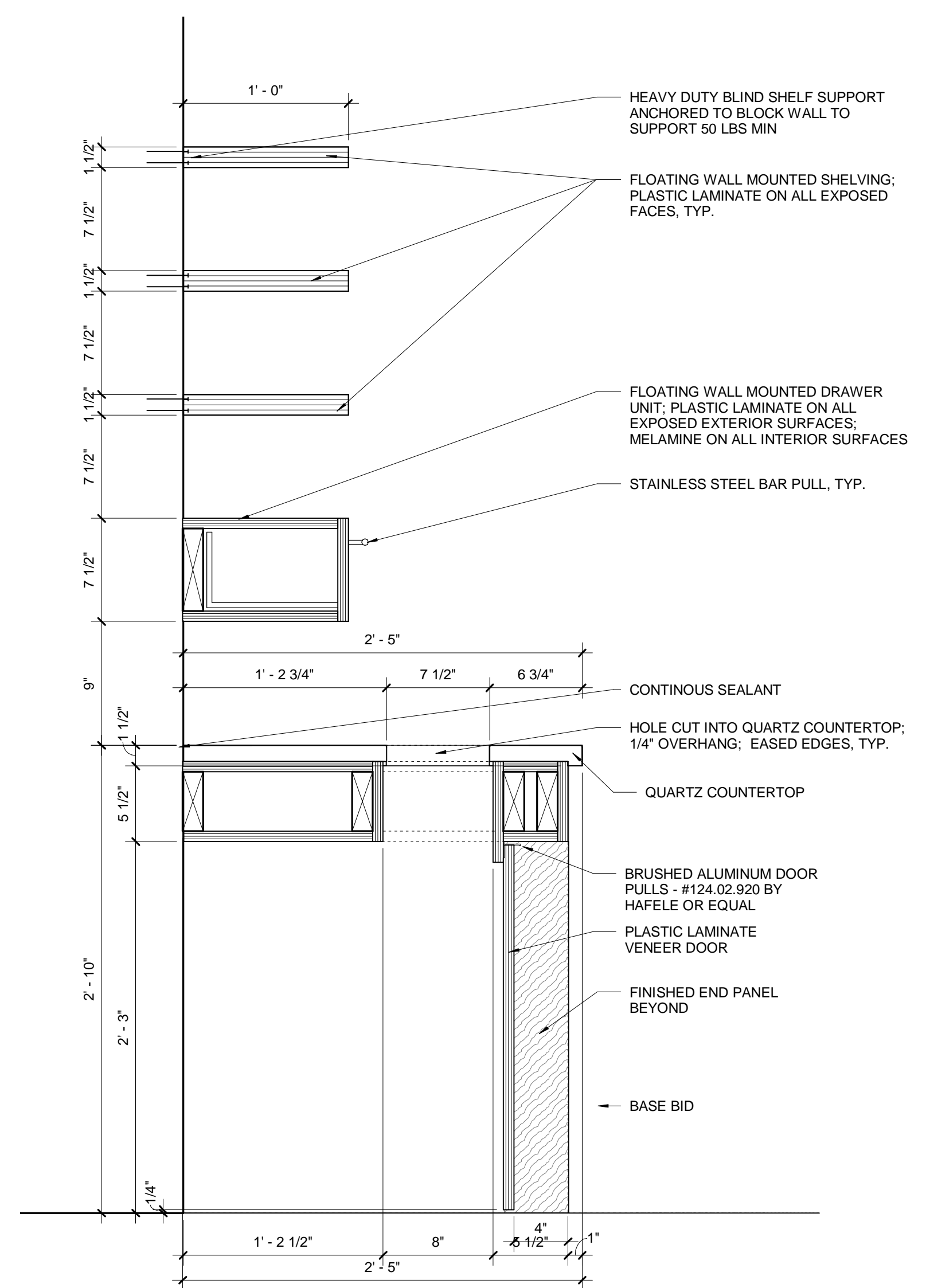
SHEET NO.

A8.1



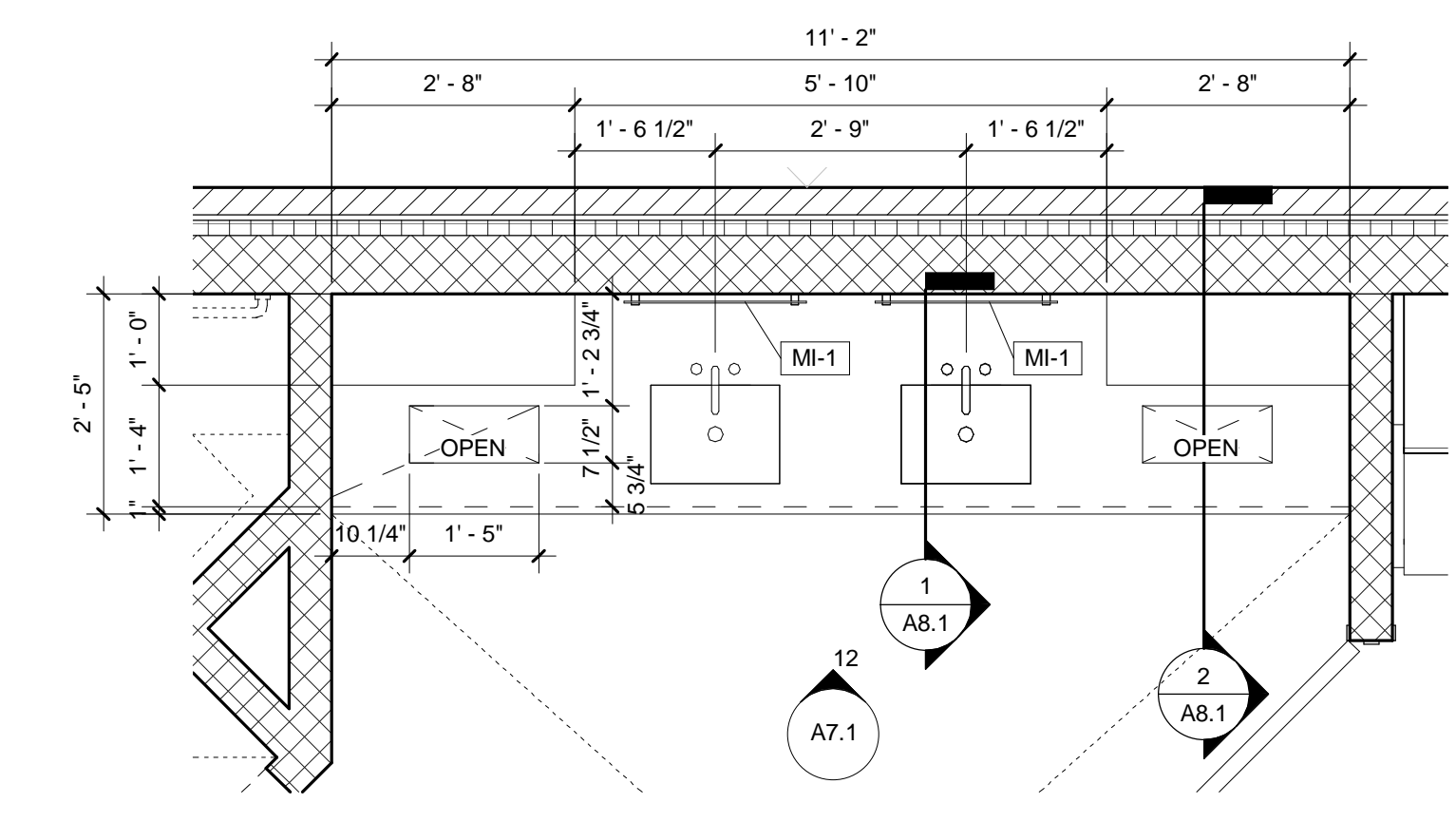
WOMEN'S & MEN'S RESTROOM ADA SINK SECTION TYPICAL

1 A8.1 SCALE: 1 1/2" = 1'-0"



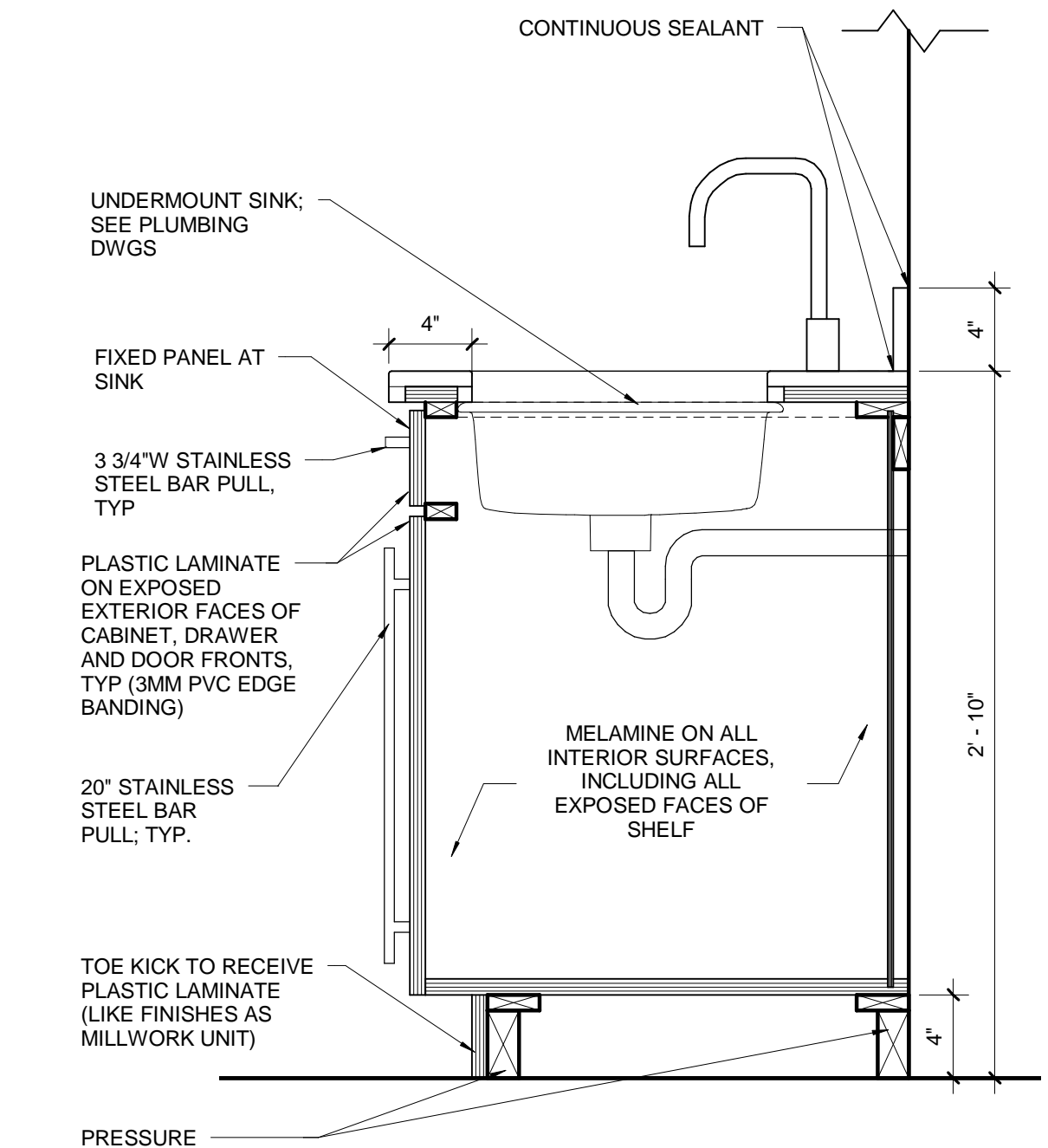
WOMEN'S & MEN'S RESTROOM CASEWORK TYPICAL

2 A8.1 SCALE: 1 1/2" = 1'-0"



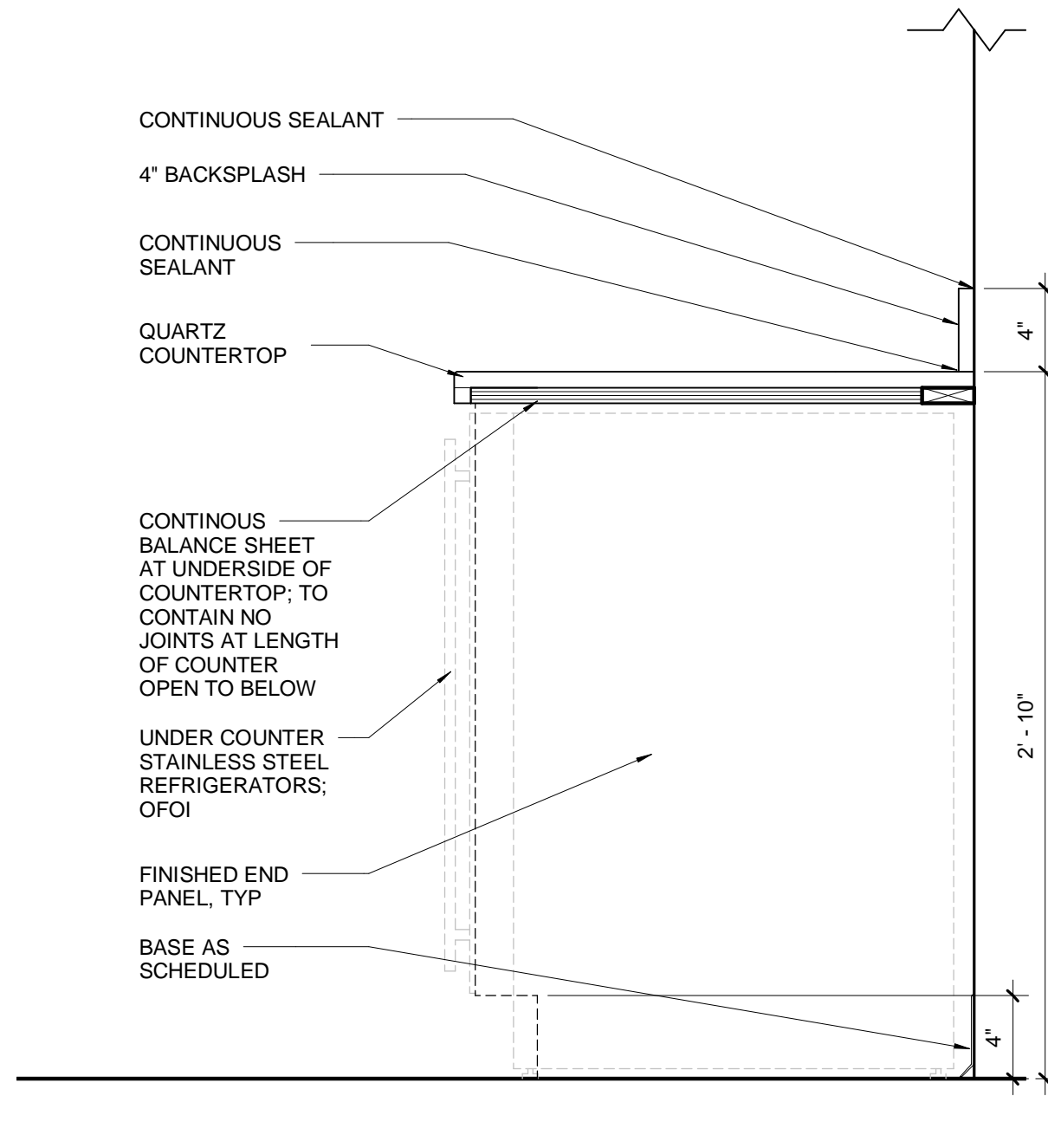
WOMEN'S & MEN'S RESTROOM VANITY PLAN

3 A8.1 SCALE: 1/2" = 1'-0"



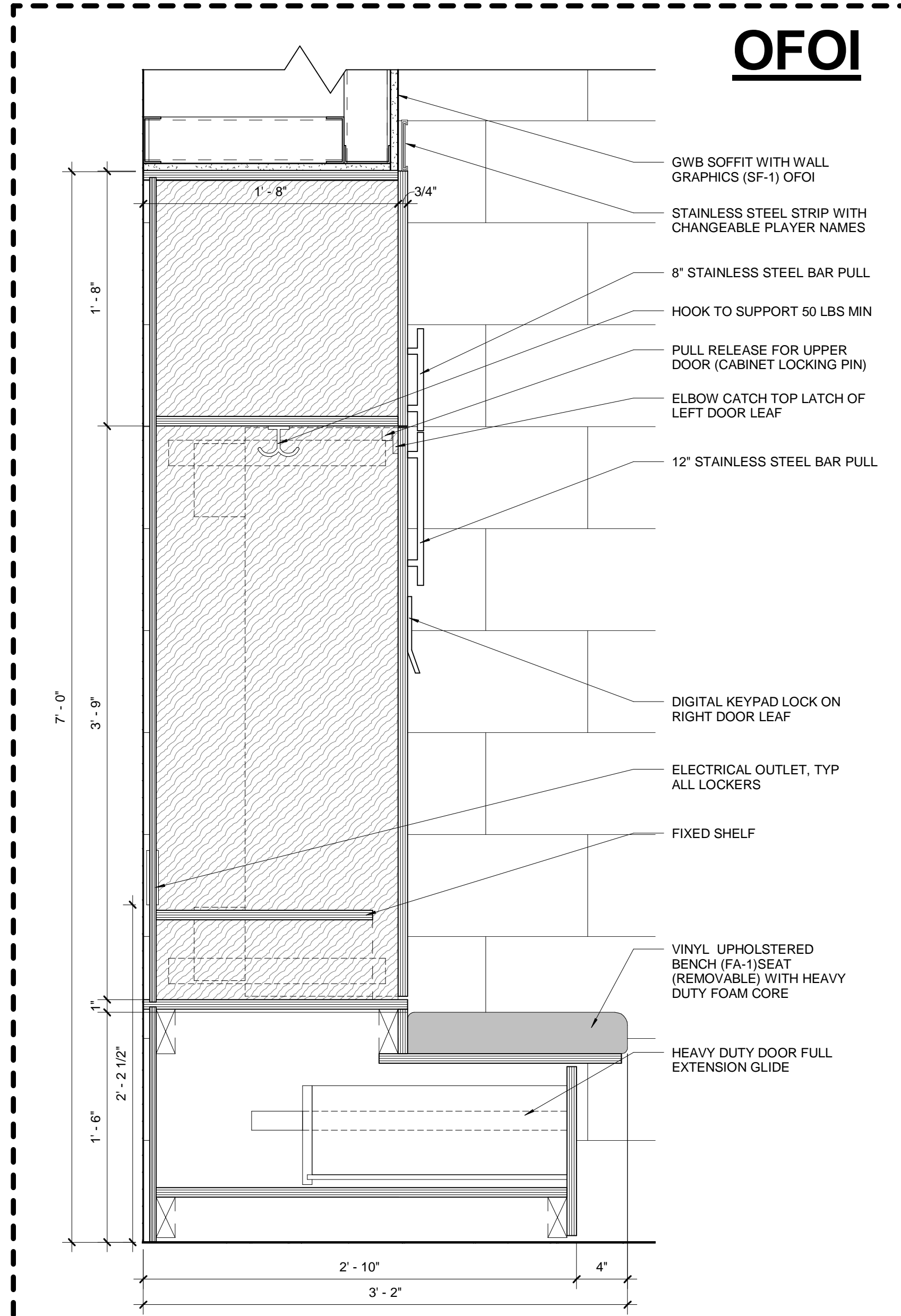
VISITOR'S TEAM ROOM SINK CABINET

4 A8.1 SCALE: 1 1/2" = 1'-0"



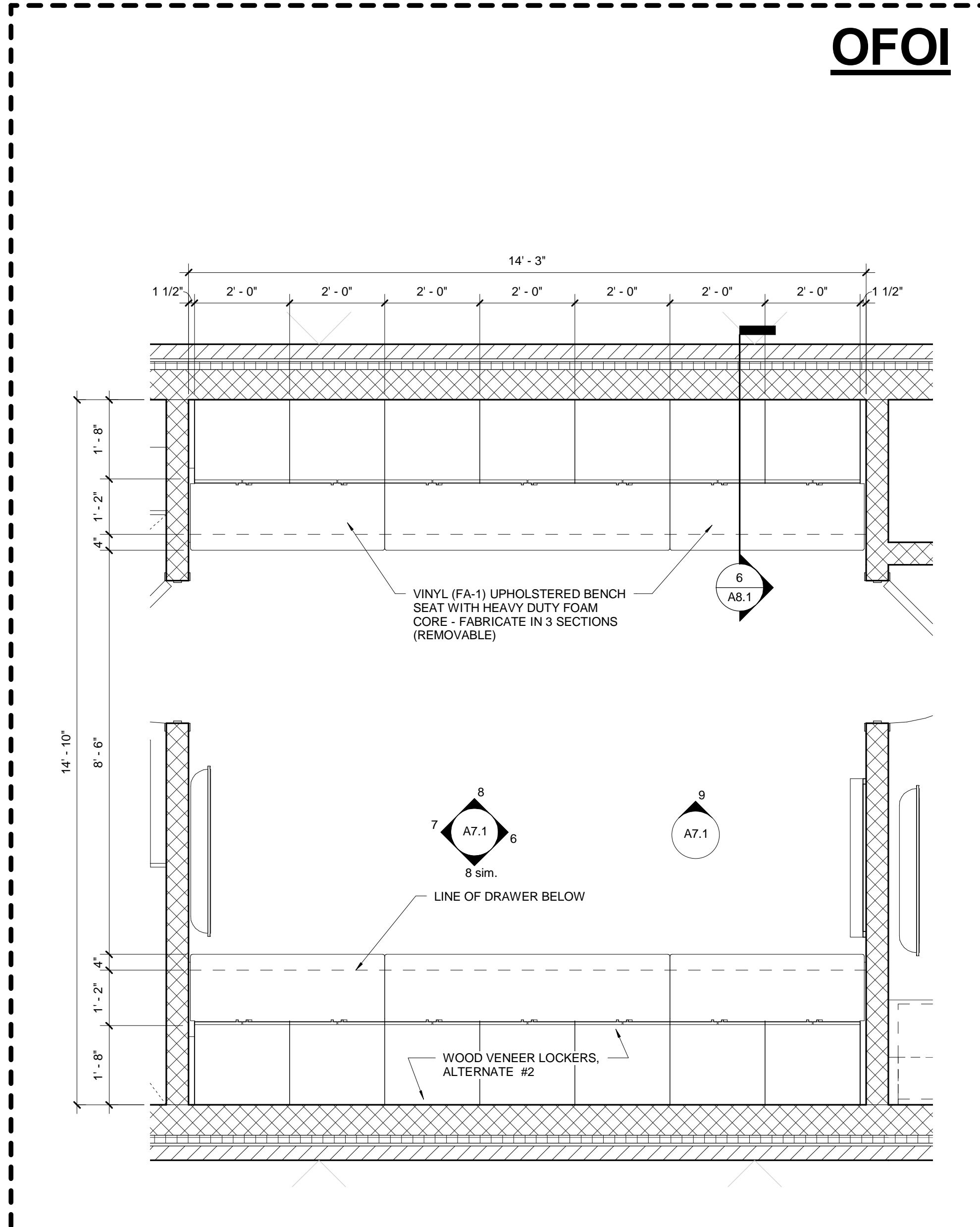
VISITOR'S TEAM ROOM UNDER COUNTER REFRIGERATOR CONDITIONS

5 A8.1 SCALE: 1 1/2" = 1'-0"



WOMEN'S & MEN'S LOCKER ROOM LOCKER TYPICAL

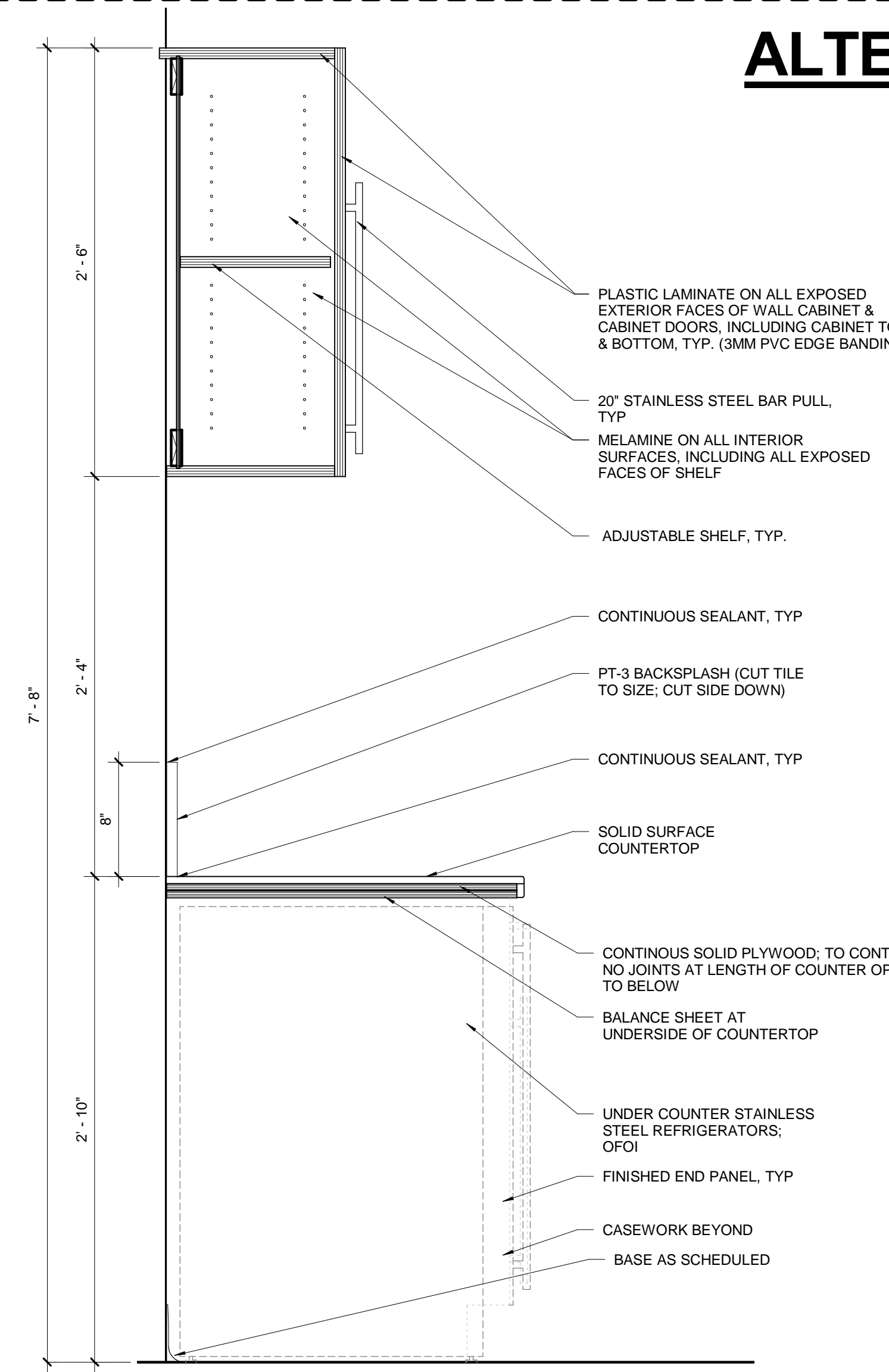
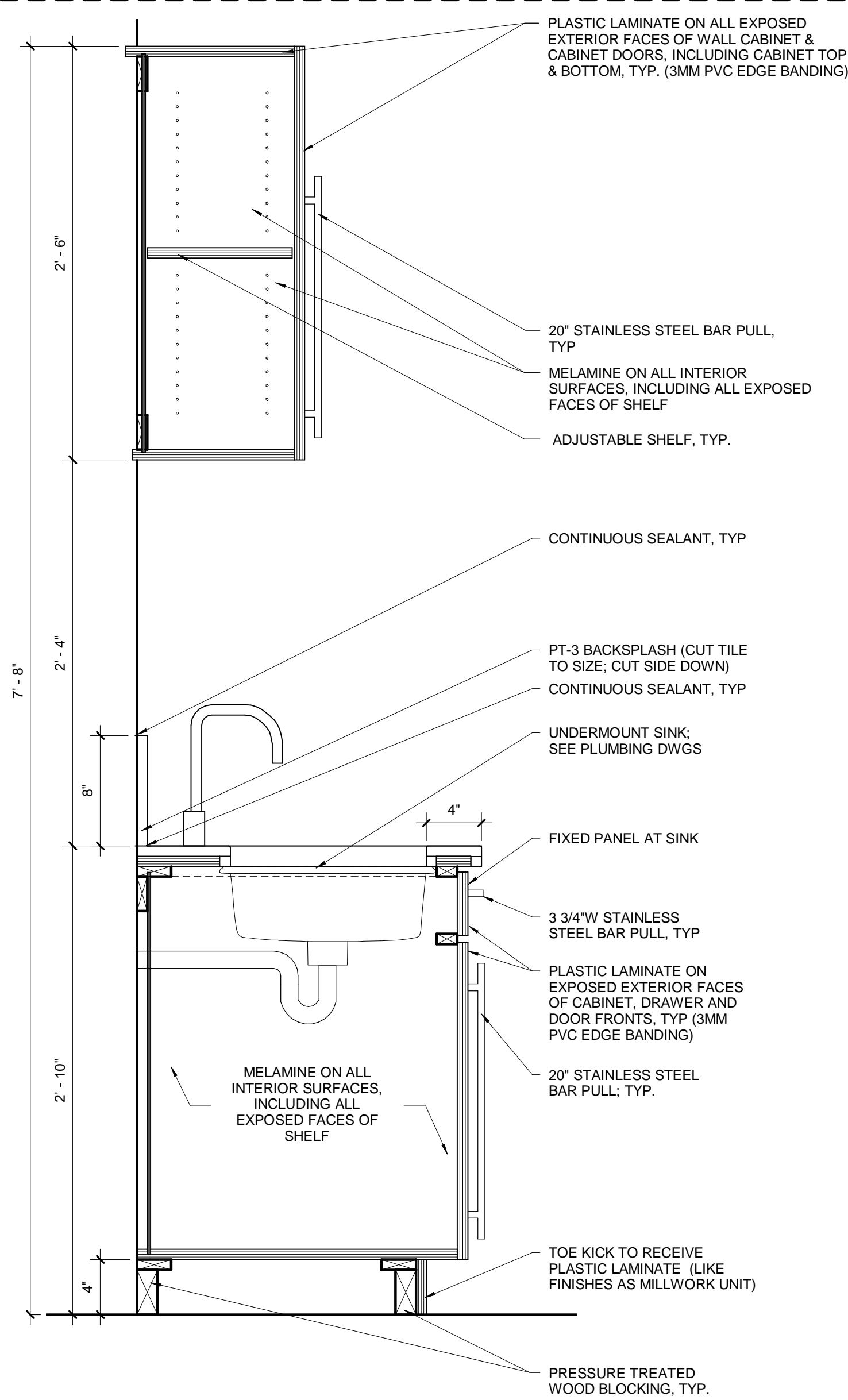
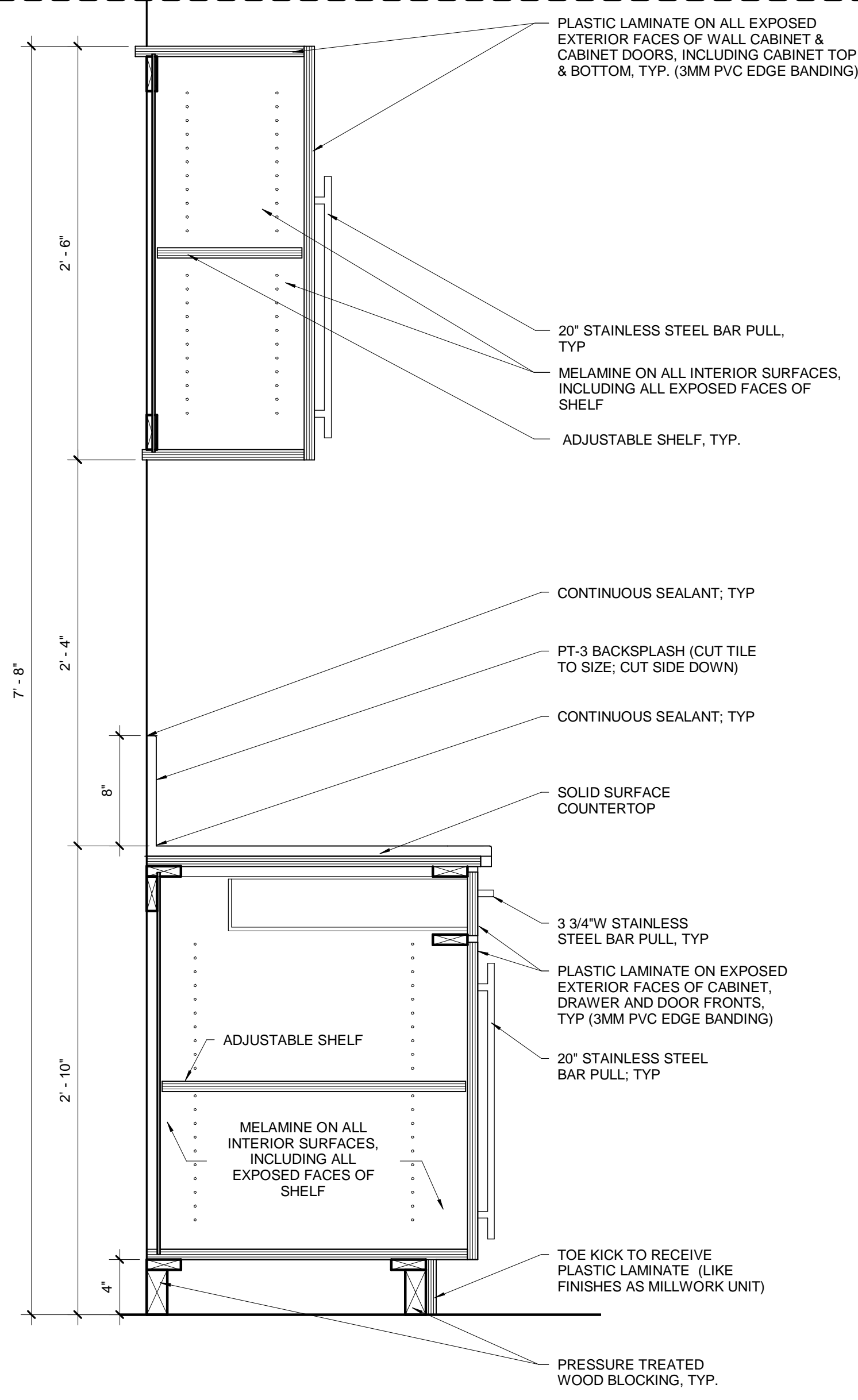
6 A8.1 SCALE: 1 1/2" = 1'-0"



WOMEN'S & MEN'S LOCKER ROOM PLAN

7 A8.1 SCALE: 1/2" = 1'-0"

ALTERNATE 1

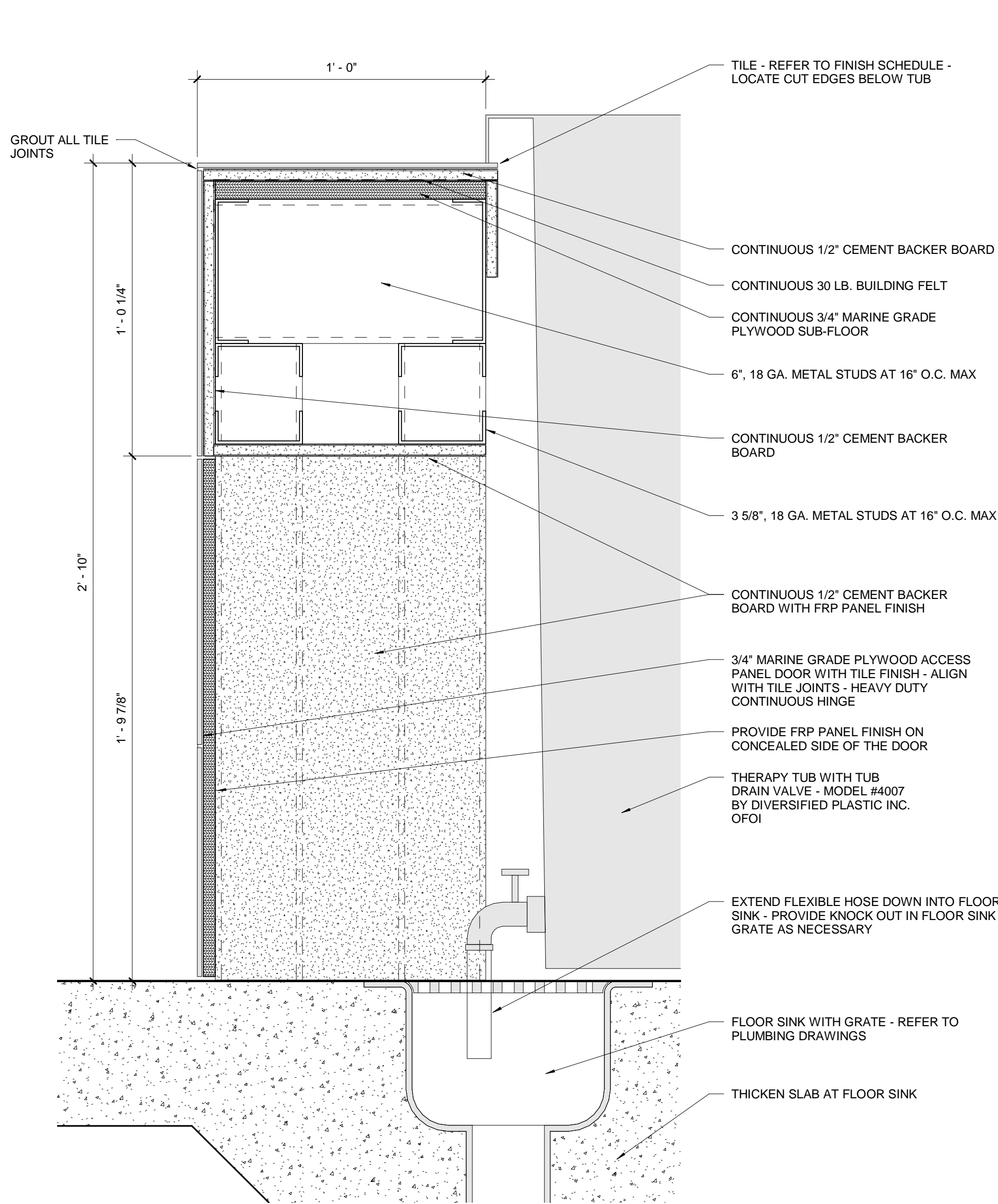
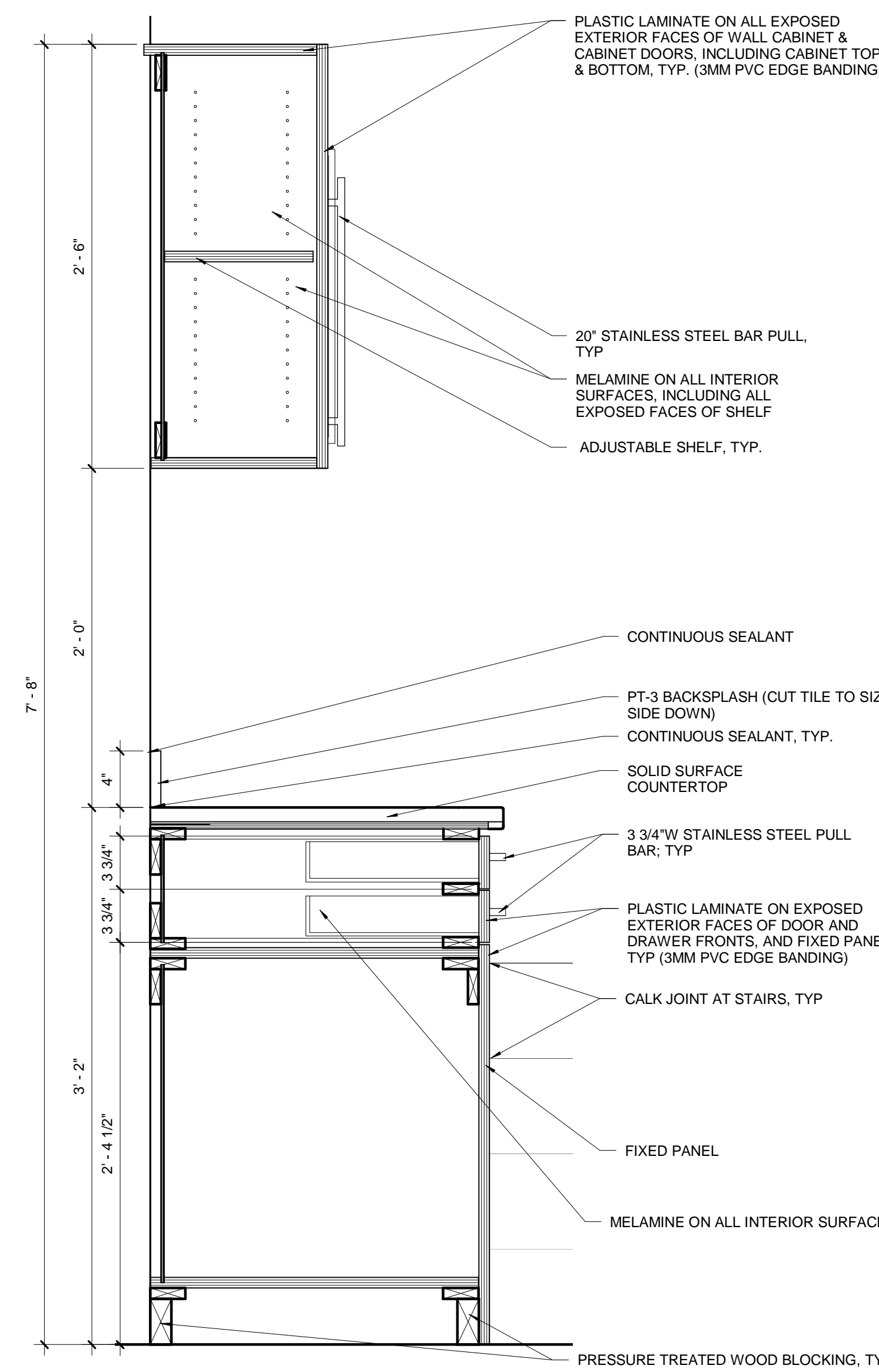


TRAINING ROOM COUNTERTOP CONDITION FOR UNDER COUNTER FREEZER

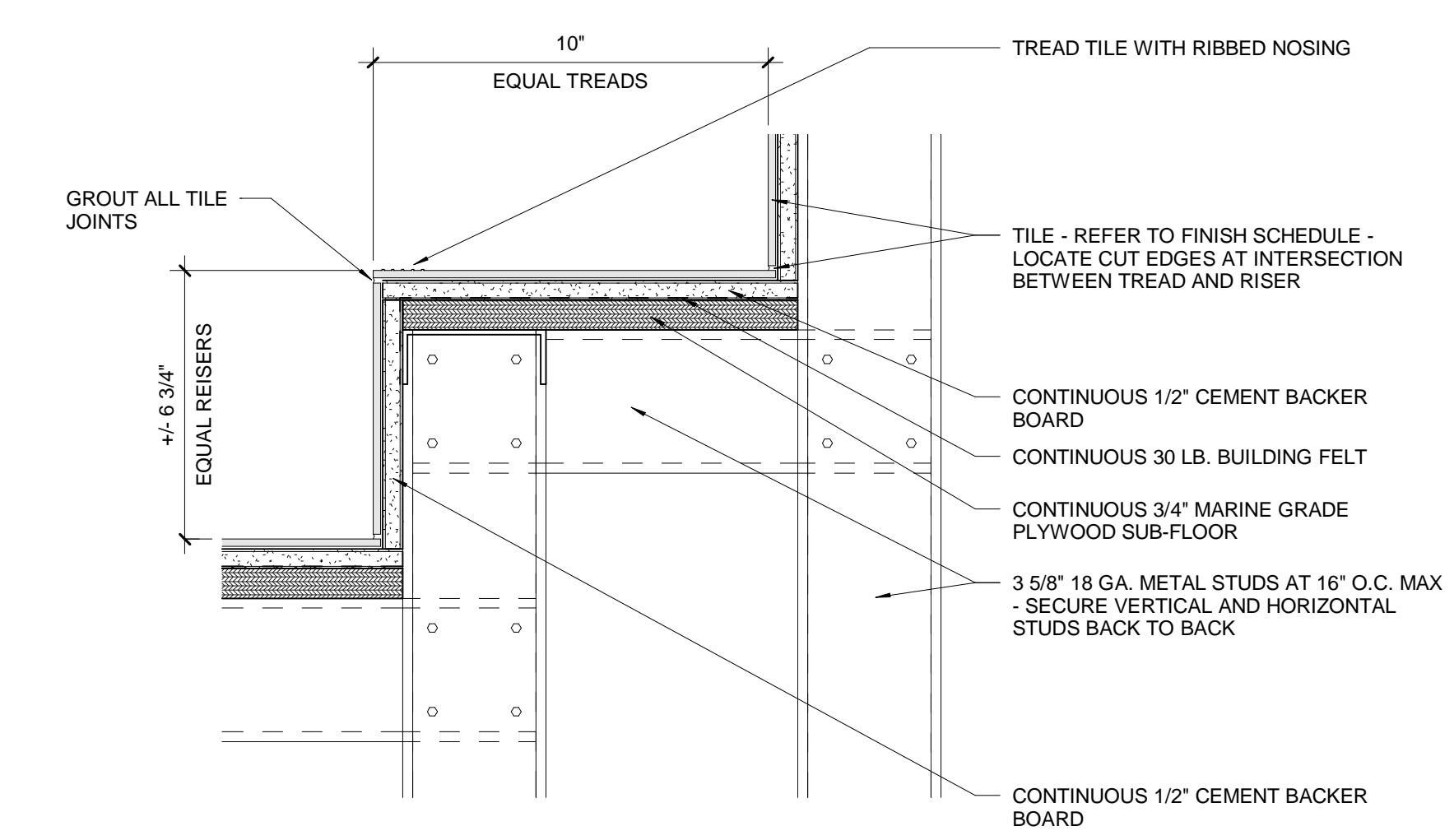
1 TRAINING ROOM CASEWORK

2 TRAINING ROOM SINK CABINET

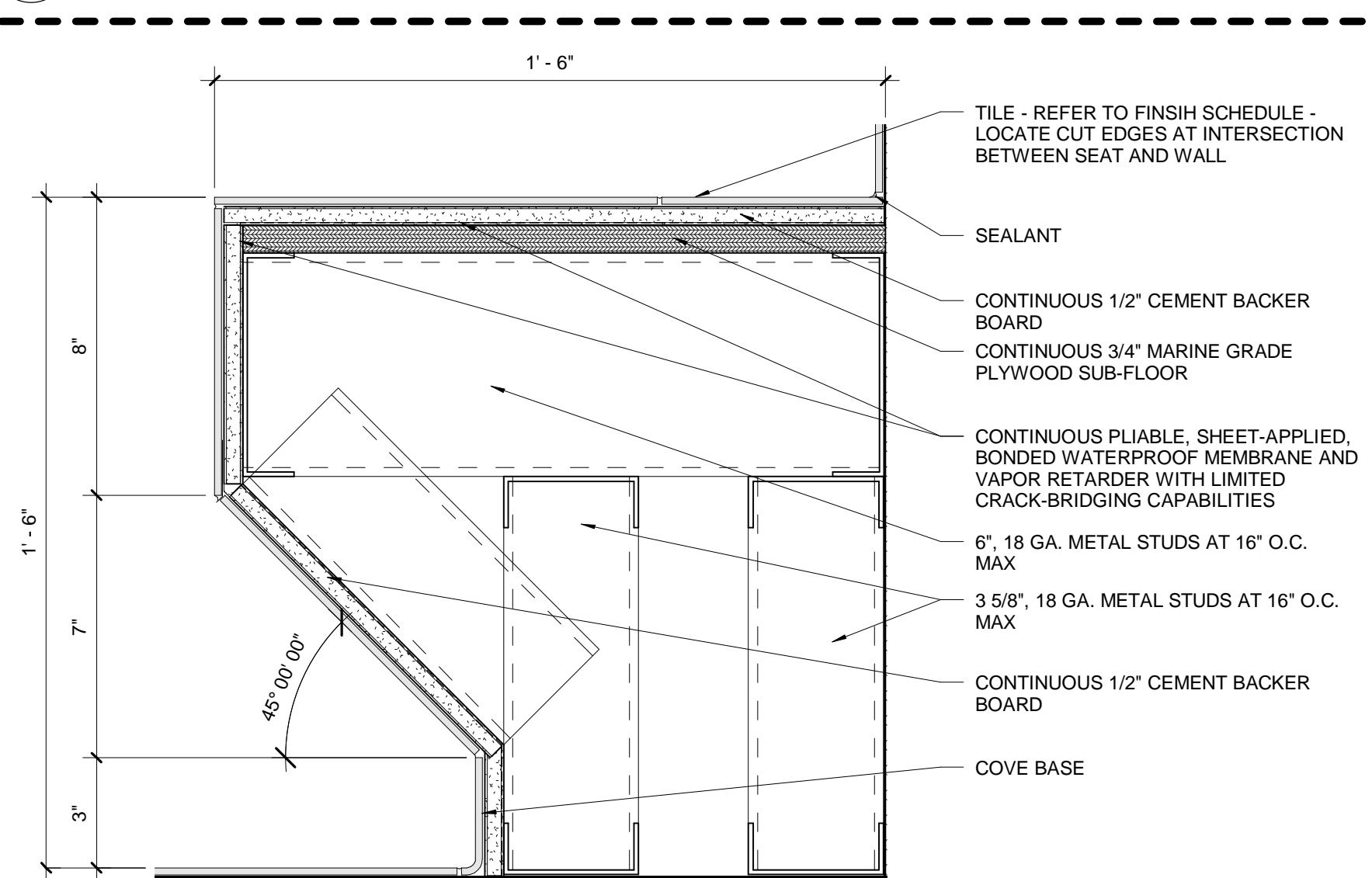
3 A8.2 SCALE: 1 1/2" = 1'-0"



5 THERAPY TUB DECK DETAIL



6 DETAIL AT TILE STEPS



7 SHOWER SEAT DETAIL

4 TRAINING ROOM SHALLOW DRAWER STORAGE

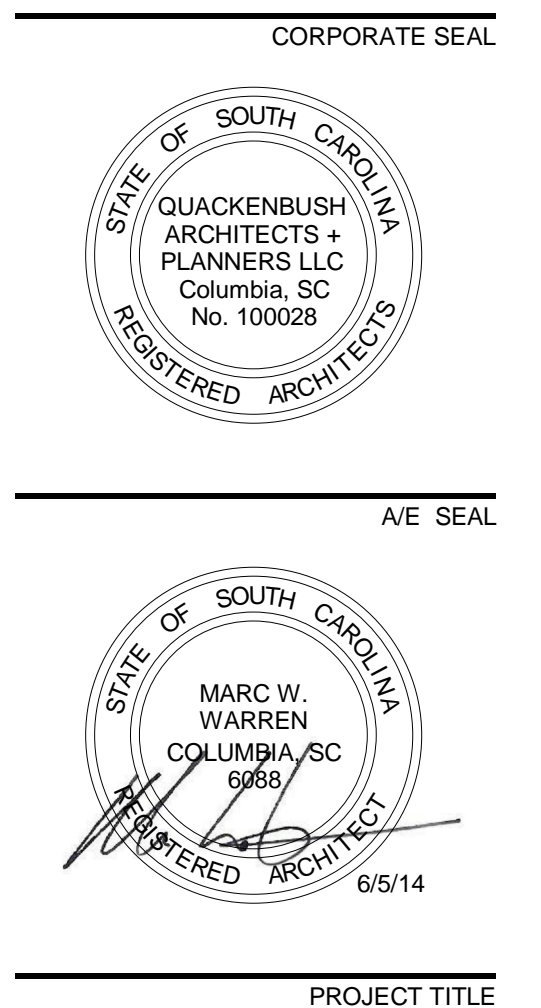
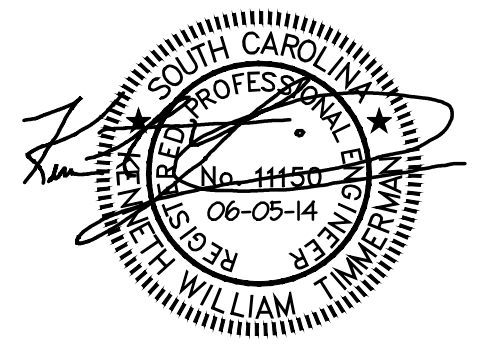
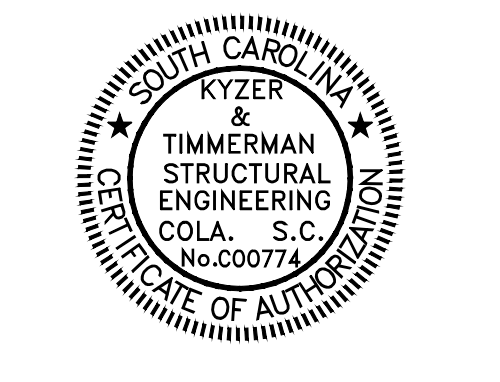


Table with 2 columns: NO, REVISION, DATE

Table with 2 columns: SHEET INFORMATION, Date, Project No., Scale, Drawn By, Checked By, State Project #.



UNIVERSITY OF SOUTH CAROLINA

TENNIS LOCKER ROOM ADDITION

CAROLINA TENNIS CENTER

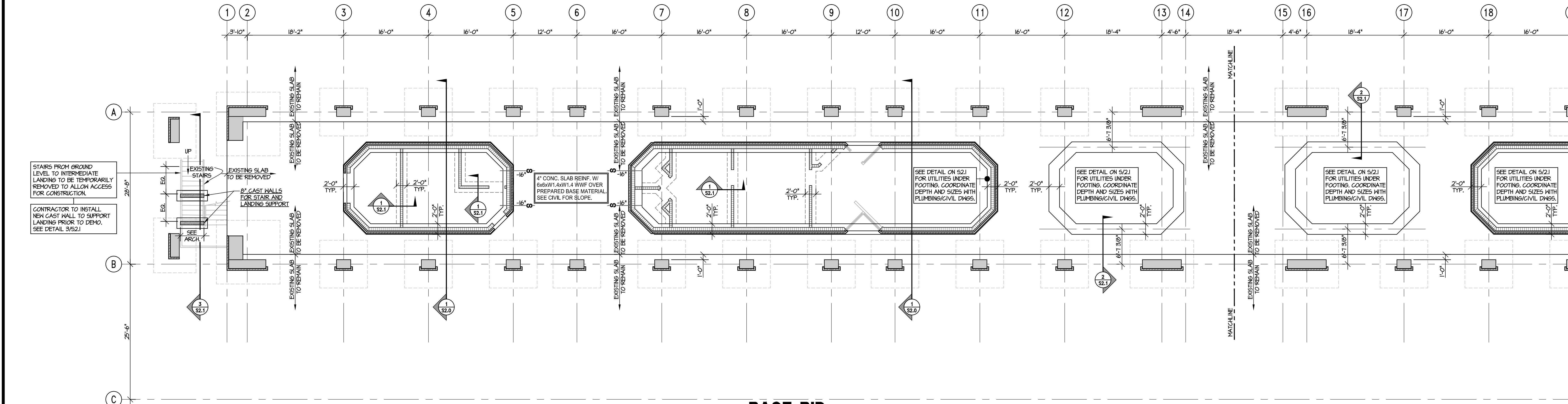
BID SET

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REVISIONS	
NO	DATE

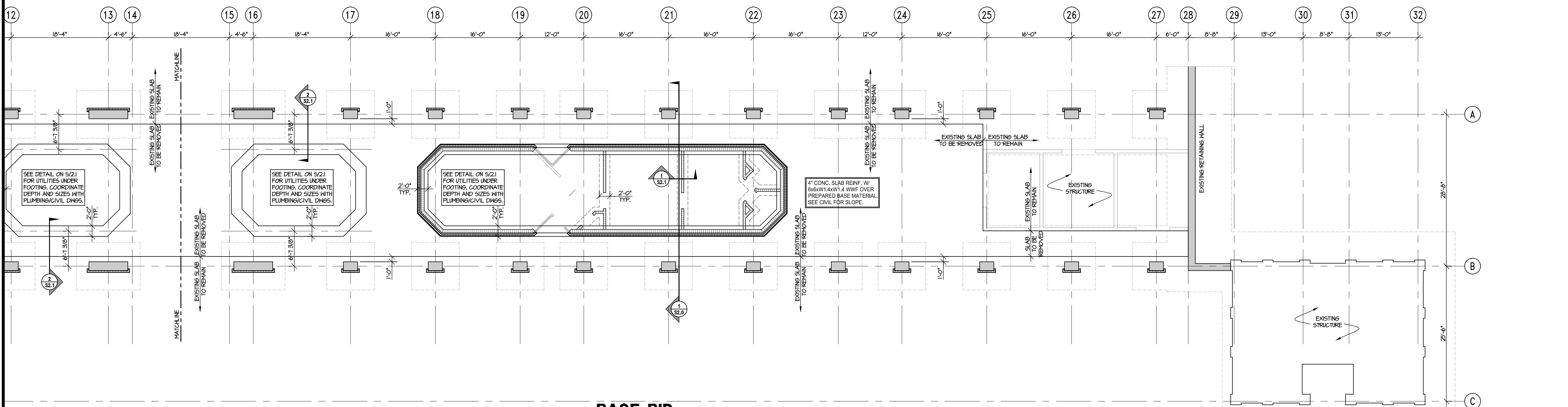
SHEET INFORMATION	
Date	08/05/14
Project No.	12.130.09
Scale	AS NOTED
Drawn By	NDJ
Checked By	KWT
State Project No.	CP00371744/FM00424621

**FOUNDATION PLAN
BASE BID**



BASE BID FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

- DENOTES EXISTING FOOTING, TOP OF FTG. = -2'-6" (FIELD VERIFY)
- DENOTES EXISTING CONCRETE COLUMNS
- DENOTES LOCATION OF STEP IN FOOTING



BASE BID FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

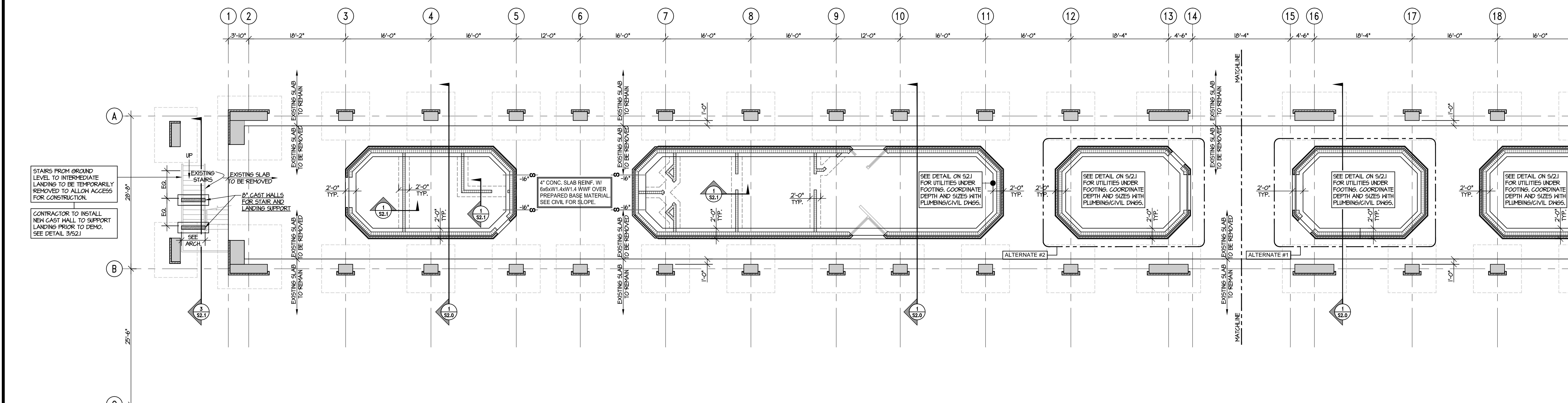
- DENOTES EXISTING FOOTING, TOP OF FTG. = -2'-6" (FIELD VERIFY)
- DENOTES EXISTING CONCRETE COLUMNS

Jun 03, 2014, 11:28am, 2/20/14, 025514-103 ISSC Tennis Facility/14-103 Plan Sheets.dwg




REVISIONS	
NO	DATE

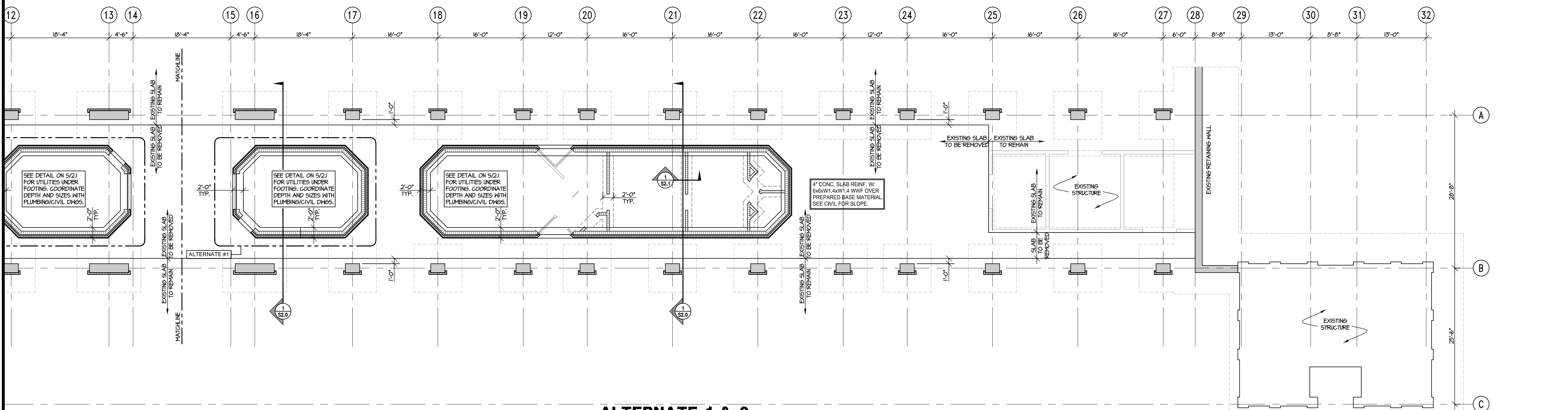
SHEET INFORMATION	
Date	06/05/14
Project No.	12.130.09
Scale	AS NOTED
Drawn By	NDJ
Checked By	KWT
State Project No.	CP00371744/FM00424621

FOUNDATION
PLAN
ALTERNATE
1 & 2

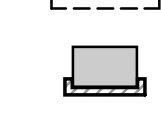


ALTERNATE 1 & 2
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

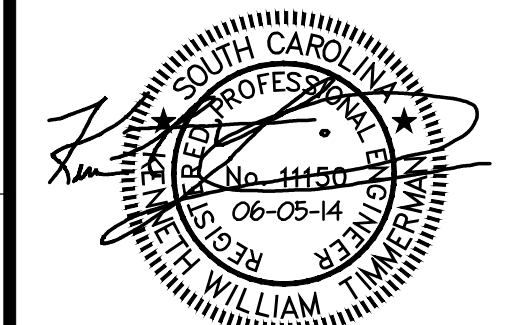
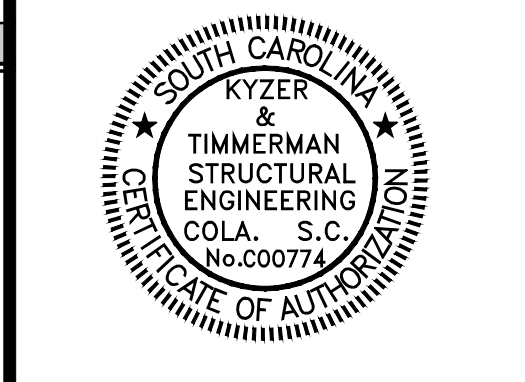
-  - DENOTES EXISTING FOOTING, TOP OF FTG. = '-2'-6" (FIELD VERIFY)
-  - DENOTES EXISTING CONCRETE COLUMNS
-  - DENOTES LOCATION OF STEP IN FOOTING



ALTERNATE 1 & 2
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

-  - DENOTES EXISTING FOOTING, TOP OF FTG. = '-2'-6" (FIELD VERIFY)
-  - DENOTES EXISTING CONCRETE COLUMNS

Jun 03, 2014, 11:28am, 2/20/14, 025514.013 USG Tennis Facility/14-103 Plan Sheet S1.1



**UNIVERSITY
OF SOUTH
CAROLINA**

**TENNIS
LOCKER
ROOM
ADDITION**

CAROLINA TENNIS
CENTER

BID SET

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REVISIONS

NO.	REVISION	DATE

SHEET INFORMATION

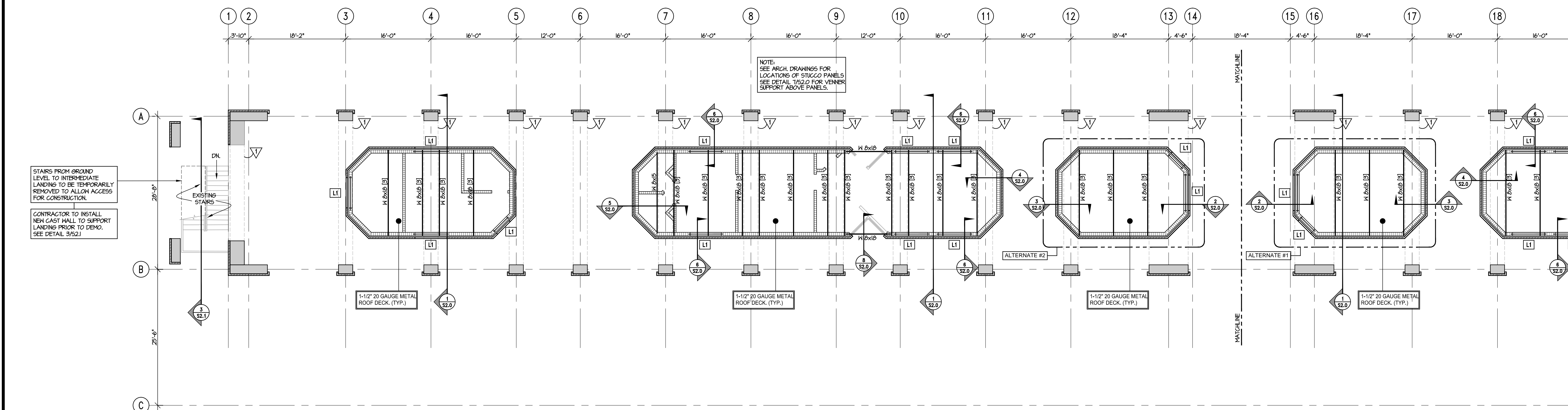
Date	08/05/14
Project No.	12.130.09
Scale	AS NOTED
Drawn By	NDJ
Checked By	KWT
State Project No.	CP00371744/FM00424621

TITLE

**ROOF
FRAMING
PLAN**

SHEET NO.

S1.2

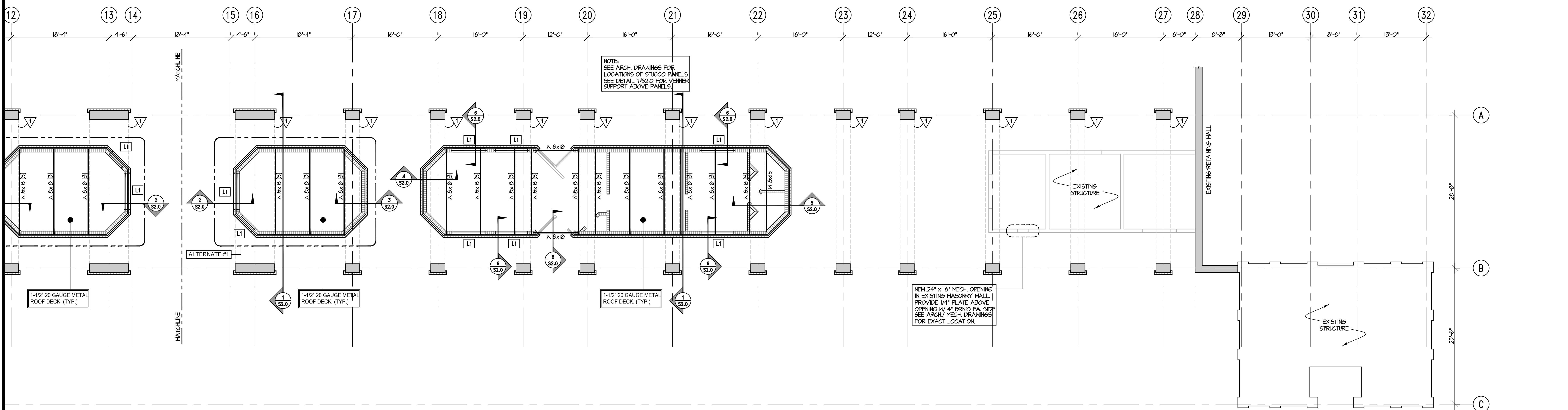


ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

- H \times I \times B [3] - DENOTES H & BEAMS CRIPPLED AT THREE LOCATIONS
- ∇ - DENOTES EXISTING CONCRETE BEAM ABOVE
- L1 - DENOTES 8" DEEP BOND BEAM W/ (2) #5 BARS CONT. MASONRY LINTEL

CONTRACTOR TO INSTALL 1/4" PLATE AT NEW PENETRATIONS IN EXISTING MASONRY HALLS WITH 4" BRNS EA. SIDE PENETRATIONS NOT TO EXCEED 30" IN WIDTH.



ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

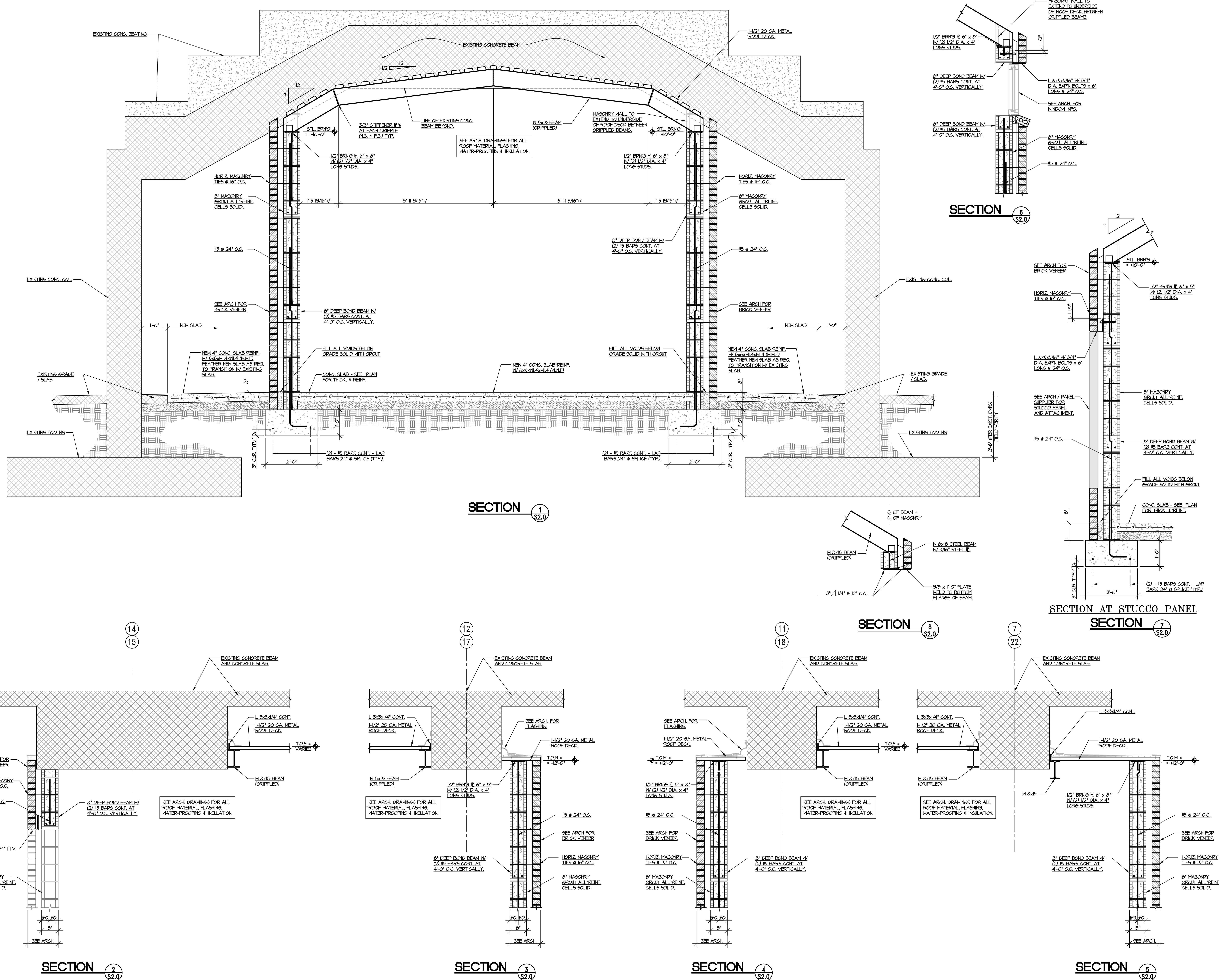
- H \times I \times B [3] - DENOTES H & BEAMS CRIPPLED AT THREE LOCATIONS
- ∇ - DENOTES EXISTING CONCRETE BEAM ABOVE
- L1 - DENOTES 8" DEEP BOND BEAM W/ (2) #5 BARS CONT. MASONRY LINTEL

NEW 24" x 16" MESH OPENING IN EXISTING MASONRY HALL... PROVIDE 1/4" PLATE ABOVE OPENING W/ 4" BRNS EA. SIDE SEE ARCH/MECH DRAWINGS FOR EXACT LOCATION.

REVISIONS	
NO	DATE

SHEET INFORMATION	
Date	06/05/14
Project No.	12.130.09
Scale	AS NOTED
Drawn By	NDJ
Checked By	KWT
State Project No.	CP00371744/FM00424821

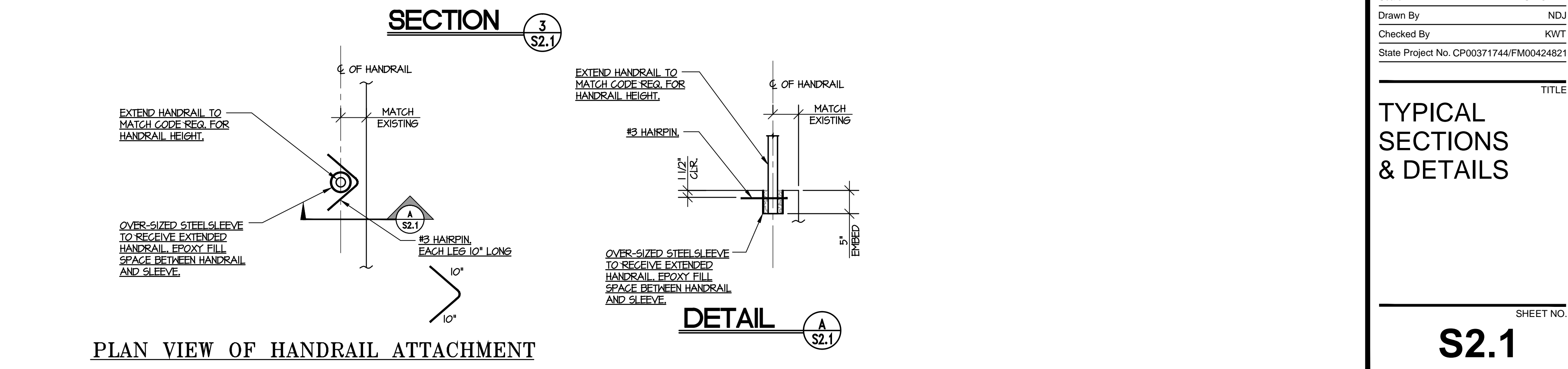
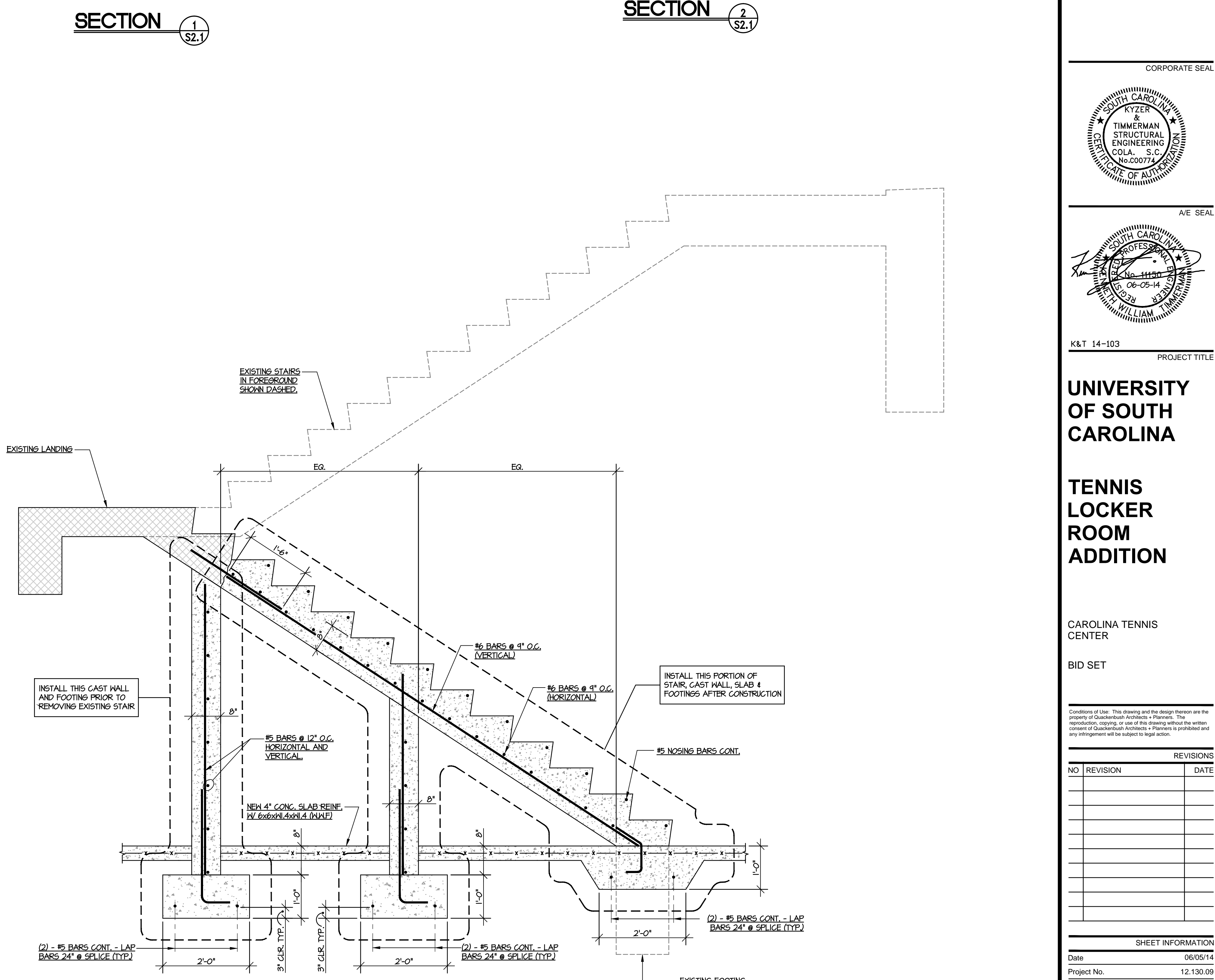
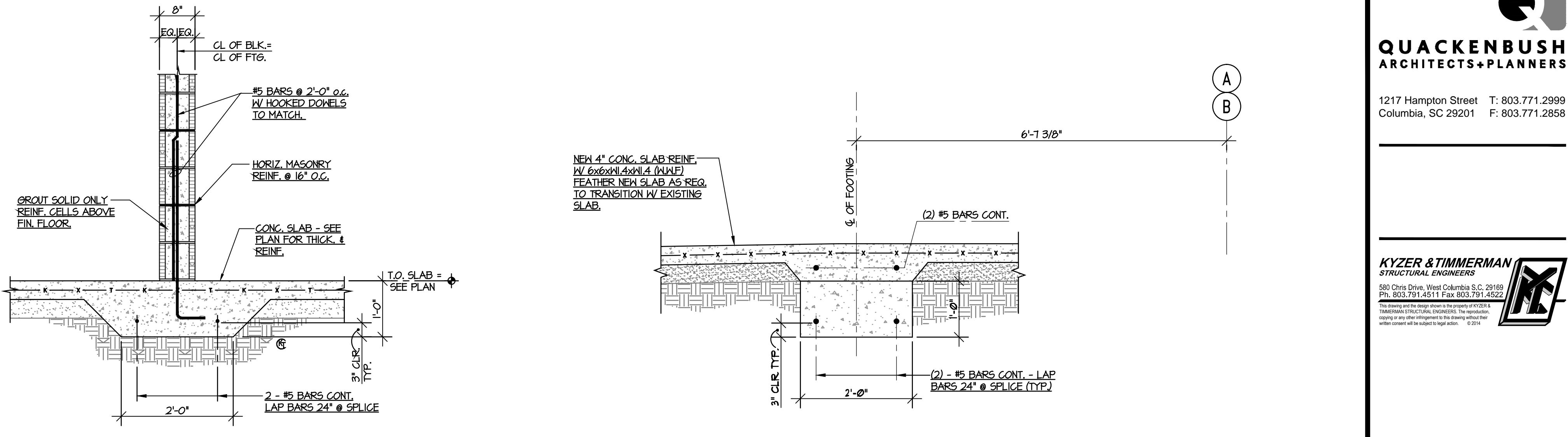
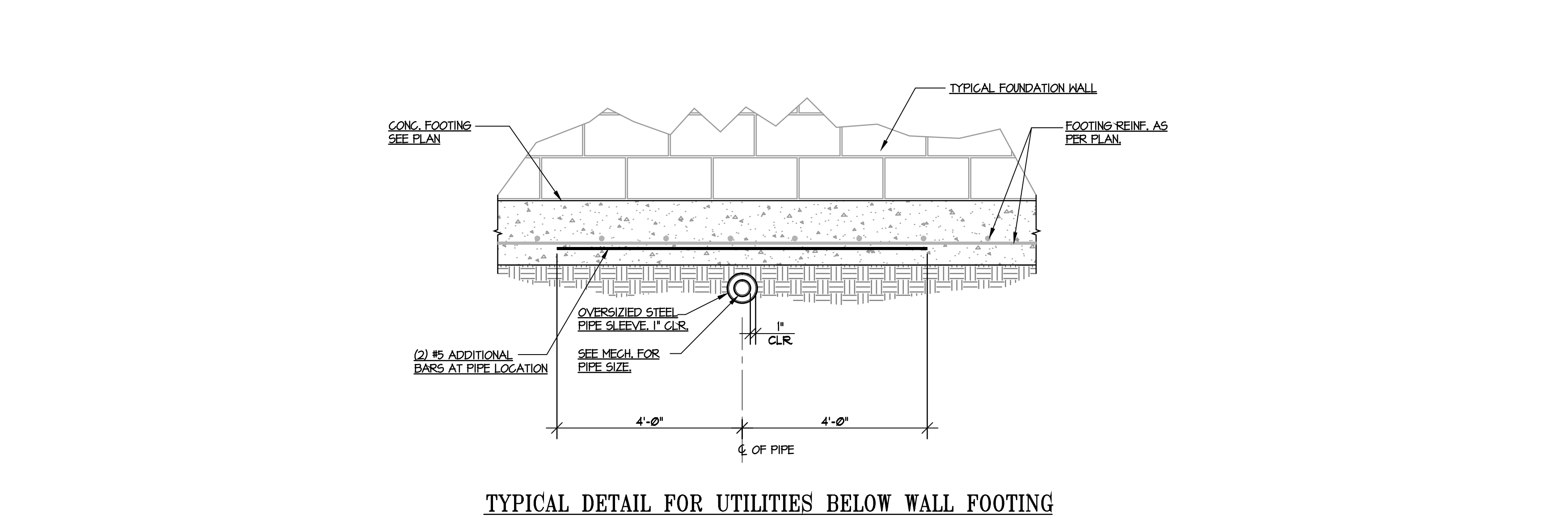
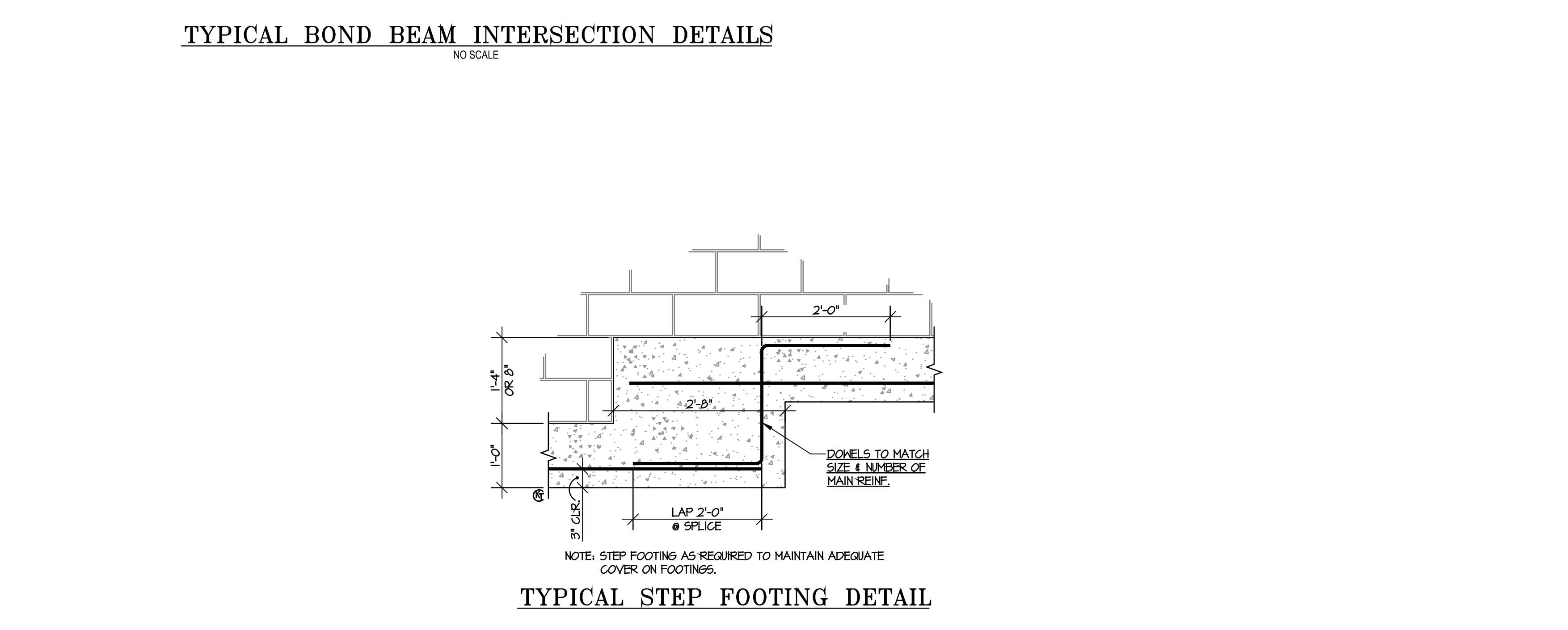
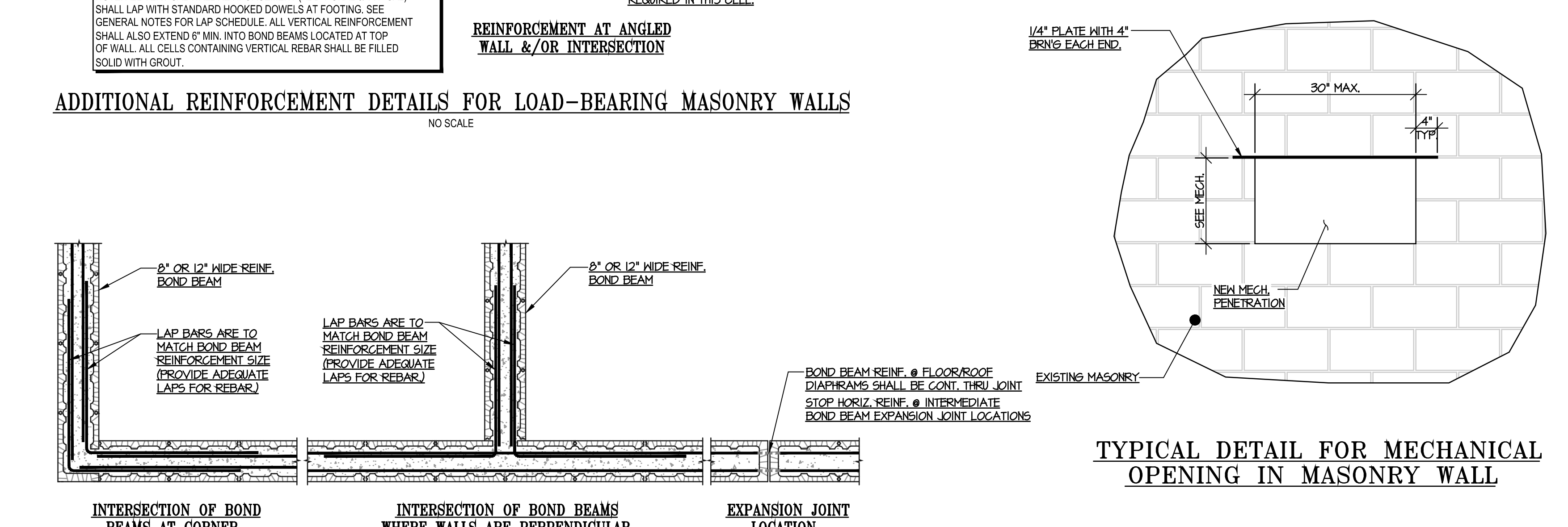
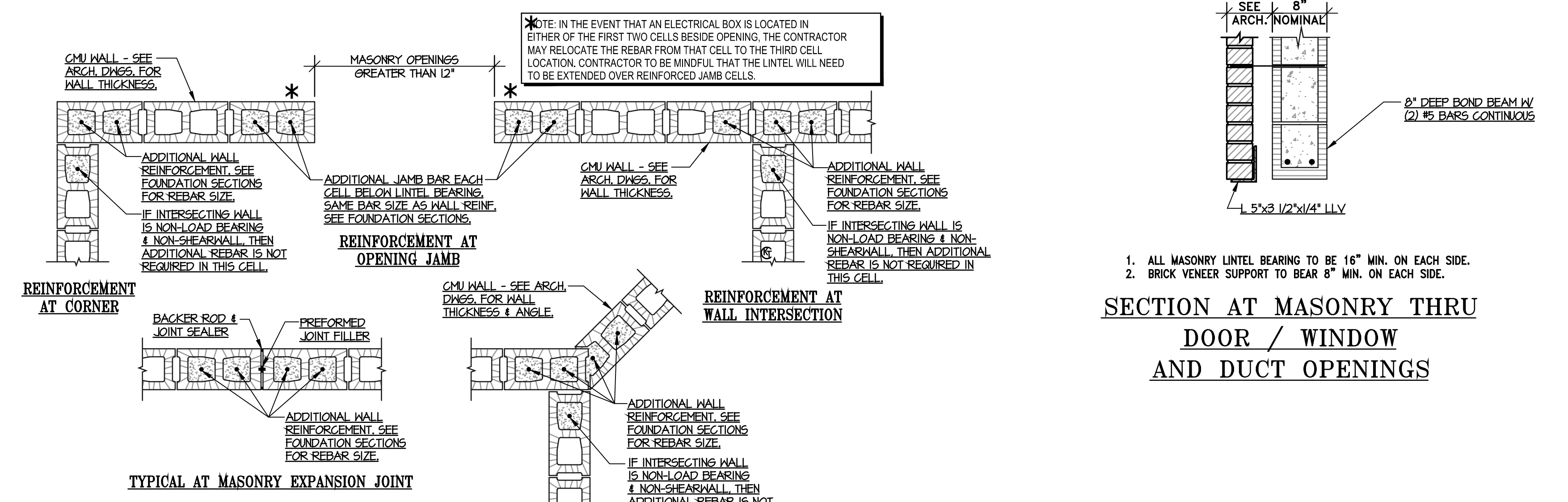
SECTIONS & DETAILS



Jun 03, 2014 - 11:28am 7/3/2014 6:55:14 AM USC Tennis Facility 14-103 Section Sheets.dwg

REVISIONS	
NO	DATE

SHEET INFORMATION	
Date	06/06/14
Project No.	12.130.09
Scale	AS NOTED
Drawn By	NDJ
Checked By	KWT
State Project No.	CP00371744/FM00424821



Jan 03, 2014 - 11:28am, 2/3/2014, 6:55:14, 103 USC Tennis Facility 14-103 Section S2.1.dwg

STRUCTURAL/GENERAL NOTES:

1. THE STRUCTURAL NOTES FOR THIS PROJECT ARE GENERALLY CATEGORIZED AS TO WORK TRADE. THERE WILL BE INSTANCES IN WHICH STRUCTURAL NOTES WILL PERTAIN TO MULTIPLE TRADES AND DRAWINGS OR INFORMATION PROVIDED BY OTHERS.

2. THE LEAD (ARCHITECTURAL) DRAWINGS SHALL BE CONSIDERED (THE ORIGINAL SOURCE) FOR THE DIMENSIONING FOR THE PROJECT AND THEREBY WILL NORMALLY TAKE PRECEDENCE OVER THE DRAWINGS BY OTHERS ON THE DESIGN TEAM. THE DIMENSIONS INDICATED IN THESE STRUCTURAL DRAWINGS ARE TO DOCUMENT AND AID THE STRUCTURAL DESIGNER WITH THE DIMENSIONS USED FOR THE BASIC DESIGN OF THE STRUCTURAL SYSTEM. CONSTRUCTION AND DETAILING DIMENSIONS SHALL BE TAKEN (OR DERIVED) FROM THE (ORIGINAL SOURCE) DRAWINGS BY THE ARCHITECT AND FIELD CONDITIONS.

3. THE CONTRACTOR SHALL UNDERSTAND THE EXISTING AND NEIGHBORING SITE CONDITIONS WHICH MAY HAVE A BEARING ON THE CONSTRUCTION COST AND/OR SCHEDULE FOR THIS PROJECT.

7. THE GENERAL CONTRACTOR SHALL SUBMIT REBAR SHOP DRAWINGS SHOWING NUMBER, SIZE AND LOCATION, INCLUDING BAR LISTS AND DIAGRAMS, TO THE ARCHITECT FOR APPROVAL. TO PREVENT DELAY IN THE APPROVAL PROCESS, THE STRUCTURAL DRAWINGS SHALL NOT BE DUPLICATED IN THE SHOP DRAWING PROCESS. TO PREVENT A POSSIBLE DELAY IN CONSTRUCTION SHOP DRAWINGS SHOULD BE SUBMITTED WITH AMPLE TIME FOR APPROVAL AND FABRICATION.

4. ALL SHOP 4 FIELD WELDING SHALL BE PERFORMED BY QUALIFIED PERSONNEL IN ACCORDANCE WITH AISC SPECIFICATIONS-LATEST EDITION. BOTH SHOP AND FIELD WELDER CERTIFICATIONS SHALL BE CURRENT THROUGH THE DURATION OF THE STEEL WORK.

5. ALL STEEL DETAILS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF AISC SPECIFICATIONS.

4. THE ENGINEER'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS IN THE CONTRACT DOCUMENTS AND THE PROJECT SPECIFICATION REQUIREMENTS, THOUGH THE SHOP DRAWINGS MAY BE APPROVED BY THE STRUCTURAL ENGINEER, THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS.

5. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER AND ARCHITECT OF ANY UNUSUAL AND/OR EXCESSIVE LOADS DUE TO EQUIPMENT OR CONSTRUCTION REQUIREMENTS PRIOR TO CONSTRUCTION.

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

6. FIELD SPLICES (INCLUDING GRIPPILES) SHALL BE DESIGNED AND CONSTRUCTED TO DEVELOP THE FULL CAPACITY OF THE MEMBER IN BENDING, SHEAR AND AXIAL LOADS.

6. THE STRUCTURAL DRAWINGS AND RELATED INFORMATION SHALL BE USED IN CONJUNCTION WITH ALL ARCHITECTURAL DRAWINGS AS WELL AS OTHER INFORMATION AND DOCUMENTS RELATING TO ALL TRADES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HIS OWN VERIFICATION AND COORDINATION OF DIMENSIONS, FIELD CONDITIONS, CLEARANCES, ETC., WITH THE WORK. ALL TRADES.

7. THE DESIGN PROFESSIONALS DO NOT CONTROL, OR HAVE TRAINING FOR, THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES, PROCEDURES AND/OR QUALITY CONTROL IN PERFORMING THE WORK, SITE SAFETY OR SAFETY PROGRAMS IN CONNECTION WITH THIS PROJECT. THESE DUTIES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND HIS STAFF. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATORY AGENCIES.

8. MASONRY REBAR LAP SPLICES SHALL BE:

- 84 BARS = 24" LAP
- 85 BARS = 30" LAP
- 86 BARS = 48" LAP
- 87 BARS = 60" LAP
- 88 BARS = 90" LAP

10. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL OPENINGS INCLUDING DOORS AND WINDOWS, REFER TO ELECTRICAL AND MECHANICAL PLANS AND/OR REQUIREMENTS FOR SIZE AND LOCATION OF ALL OPENINGS FOR DUCTS, PIPING, CONDUITS, ETC.

11. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND/OR VENDOR DRAWINGS FOR LOCATIONS OF DEPRESSED FLOOR AREAS, FLOOR DRAIN, FLOOR TOPPING, CMU COURSE AND ANY OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

9. CONCRETE MASONRY TO HAVE A MINIMUM F_{cm} OF 1500 PSI. THIS IS TO BE ACHIEVED BY USING A CONCRETE BLOCK MASONRY UNIT WITH A NET AREA COMPRESSIVE STRENGTH OF 2000 PSI WHEN USED IN CONJUNCTION WITH TYPE M OR S MORTAR.

10. ALL MASONRY SHALL BE PLACED IN FLAT MORTAR BED. ALL MORTAR SHALL BE TYPE "M" OR "S".

11. THE INTERSECTION OF ALL LOAD BEARING MASONRY WALLS SHALL BE TIED OR ATTACHED AT INTERSECTIONS OR WHERE THEY MEET BY ONE OF THE FOLLOWING METHODS:

- A. STEEL CONNECTIONS: WALLS SHALL BE ANCHORED AT INTERSECTIONS USING 2" WIDE X 0.25" THICK BY 24" LONG STRAPS (GALVANIZED) PLUS A 2"-40 DEGREE BEND AT EACH END. STEEL STRAPS SHALL BE PLACED IN MORTAR BEDS AT 48" ON CENTER VERTICALLY.
- B. BONDING OF UNITS: FIFTY PERCENT OF THE MASONRY UNITS SHALL BE LAID IN AN OVERLAPPING PATTERN. MASONRY UNITS FORMING THE BONDING PATTERN SHALL BEAR NO LESS THAN 3 INCHES ON THE UNITS BELOW.
- C. JOINT REINFORCEMENT: INTERSECTING WALLS MAY BE JOINED USING MASONRY WALL REINFORCEMENT SPACED AT 8 INCHES ON CENTER VERTICALLY. THE WIRE SIZE SHALL BE AT LEAST #14 AND EXTEND AT LEAST 30 INCHES FROM THE INTERSECTION.

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

NOTE: NON-LOAD BEARING MASONRY PARTITION WALLS SHALL BE TIED TO ONE ANOTHER BUT NOT TIED TO LOAD BEARING MASONRY WALLS.

7. ALL FRAMING AND MISCELLANEOUS STEEL SHALL BE FILLET WELDED ALL AROUND UNLESS OTHERWISE NOTED. WELD SIZE SHALL BE THE MAXIMUM AS ALLOWED BY THE LATEST EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" BASED ON THE MATERIAL THICKNESS. ALL WELDING SHALL BE DONE WITH E-TO ELECTRODES.

8. ALL GAP PLATES FOR STEEL COLLUMS SHALL HAVE A MINIMUM THICKNESS OF 3/4" THICK UNLESS OTHERWISE NOTED IN THE DETAILS.

4. ALL SUSPENDED CEILING/SOFFIT SYSTEMS (INCLUDING LIGHT FIXTURES) SHALL BE SUPPORTED AS REQUIRED BY THE MANUFACTURER(S). ATTACHMENTS, WIRES, STRUTS AND OTHER SUPPORTS SHALL BE DESIGNED TO RESIST THE CODES REQUIRED (BOTH NEGATIVE AND POSITIVE PRESSURES) AND SEISMIC LOADS PER THE APPLICABLE EDITION OF THE APPROPRIATE BUILDING CODE(S).

12. THE CONTRACTOR SHALL TAKE ADDITIONAL PRECAUTIONS WHEN MASONRY IS TO BE CONSTRUCTED DURING COLD WEATHER (AMBIENT TEMPERATURE BELOW 40 DEGREES FAHRENHEIT), DURING HOT CONDITIONS (ABOVE 90 DEGREES) PRECAUTIONS SHALL BE TAKEN TO MINIMIZE EXCESS HEAT IN THE MASONRY UNITS, WATER AND MORTAR. IT IS ADVISED THAT THE CONTRACTOR FOLLOW THE RECOMMENDATIONS PRESCRIBED BY AMERICAN CONCRETE ASSOCIATION FOR COLD OR HOT WEATHER CONSTRUCTION.

10. WHETHER OR NOT SHOWN IN THE STRUCTURAL DETAILS, FULL HEIGHT WEB STIFFENER PLATES SHALL BE INSTALLED ON BOTH SIDES OF ALL STEEL BEAMS AT BEAM SUPPORTS AND LOCATIONS OF POINT LOADS FROM BEAMS AND COLLUMS, ETC. IN SOME CASES THESE STIFFENER PLATES MAY NOT BE SHOWN FOR CLARITY.

12. EXISTING BUILDINGS/STRUCTURES: DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS WILL REQUIRE FIELD VERIFICATION, DEPENDING ON FIELD CONDITIONS BEFORE THE DESIGNER'S CONTROL. SOME STRUCTURAL/ARCHITECTURAL SECTIONS AND/OR DETAILS WILL REQUIRE MODIFICATION.

13. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY WALLS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

14. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY CONTROL JOINTS 4 BRICK EXPANSION JOINTS. ALL CONTROL JOINTS AND EXPANSION JOINTS SHALL BE INSTALLED IN ACCORDANCE TO THE STANDARDS SET FORTH BY THE NATIONAL CONCRETE MASONRY ASSOCIATION. IN NO CASE SHALL EXTERIOR WALL JOINTS BE SPACED GREATER THAN 25 FEET ON CENTER AND INTERIOR WALL JOINTS SHALL NOT EXCEED 30 FEET ON CENTER. REINFORCED BOND BEAMS LOCATED AT ROOF AND/OR FLOOR DIAPHRAGMS SHALL BE CONTINUOUS THROUGH MASONRY JOINTS UNLESS OTHERWISE SPECIFIED IN THE STRUCTURAL DRAWINGS.

11. POSITIVE DRAINAGE IS NECESSARY FOR ALL APPLICATIONS WHERE BRICK SHELF ANGLES ARE USED; THE CONTRACTOR SHALL PROVIDE A MEANS TO PREVENT THE SHELF ANGLE AND/OR FLASHING FROM HOLDING OR PONDING WATER. ALL BRICK SUPPORT ANGLES SHALL BE GALVANIZED.

15. RUNNING BOND MASONRY TO HAVE 4 GAGE LADDER TYPE JOINT REINFORCEMENT @ 16" ON CENTER VERTICALLY. PREFORMED BED JOINT REINFORCEMENT SHALL BE USED AT ALL WALL CORNERS AND INTERSECTIONS. ALL GAGE WIRE LADDER TYPE BED JOINT REINFORCEMENT SHALL BE LAPPED A MINIMUM OF 8 INCHES.

12. EXISTING BUILDINGS/STRUCTURES: DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS WILL REQUIRE FIELD VERIFICATION, DEPENDING ON FIELD CONDITIONS BEFORE THE DESIGNER'S CONTROL. SOME STRUCTURAL/ARCHITECTURAL SECTIONS AND/OR DETAILS WILL REQUIRE MODIFICATION.

16. STACKED BOND MASONRY TO HAVE 6 GAGE LADDER JOINT REINFORCEMENT @ 8"(ON CENTER) VERTICALLY. PREFORMED BED JOINT REINFORCEMENT SHALL BE USED AT ALL WALL CORNERS AND INTERSECTIONS. ALL GAGE WIRE LADDER TYPE BED JOINT REINFORCEMENT SHALL BE LAPPED A MINIMUM OF 8 INCHES.

12. WHETHER OR NOT SHOWN IN THE STRUCTURAL DETAILS, FULL HEIGHT WEB STIFFENER PLATES SHALL BE INSTALLED ON BOTH SIDES OF ALL STEEL BEAMS AT BEAM SUPPORTS AND LOCATIONS OF POINT LOADS FROM BEAMS AND COLLUMS, ETC. IN SOME CASES THESE STIFFENER PLATES MAY NOT BE SHOWN FOR CLARITY.

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17. FOR ALL LOAD BEARING WALLS (AND SHEAR WALLS) THE CONTRACTOR SHALL INSTALL BOND BEAMS AT A MAXIMUM SPACING OF 4 FEET ON CENTER AS MEASURED FROM THE TOP OF FOUNDATION. FOR ALL NON-LOAD BEARING WALLS THE CONTRACTOR SHALL INSTALL BOND BEAMS AT A MAXIMUM SPACING OF 6 FEET ON CENTER AS MEASURED FROM THE TOP OF FOUNDATION. BOND BEAMS SHALL ALSO BE LOCATED AT THE TOP OF ALL MASONRY WALLS AND AT LOCATIONS IN WHICH THE MASONRY WALLS ARE ATTACHED (OR OTHER SUPPORT) TO FLOOR AND ROOF FRAMING MEMBERS.

13. STEEL DETAILERS TO VERIFY/DETERMINE JOIST AND BEAM BEARING ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.

14. ALL STEEL REQUIRING PAINT SHALL BE PROPERLY CLEANED AND PREPARED TO ACCEPT THE APPROPRIATE PAINT FOR THE PROJECT. THE PAINT TYPE, COLOR AND THICKNESS SHALL BE SELECTED ACCORDING TO THE LOCATION OF THE STEEL, TYPE OF BUILDING AND OWNER'S REQUIREMENTS FOR COLOR, ETC. DECISIONS INVOLVING PAINT, COLOR AND SO ON SHALL BE PER OWNER.

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GEOTECHNICAL:

1. THIS FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. A GEOTECHNICAL ENGINEER AND/OR TESTING LABORATORY SHALL BE RETAINED FOR THE PURPOSES OF ASSURING ADEQUATE SOIL SUPPORT FOR FOUNDATION AND SLABS-ON-GRADE (INCLUDING EXTERIOR CONCRETE PADS).

2. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXCAVATIONS AND SLOPES.

18. WALL SLEEVES FOR UTILITIES SHALL BE CAREFULLY PLACED TO PREVENT CONFLICT WITH WALL AND FOUNDATION REINFORCEMENT. TO PREVENT LOAD TRANSFER TO THE UTILITY, ALL PIPES SHALL BE SLEEVED WITH STEEL OR DUCTILE IRON TO PROVIDE A 1" INCH CLEARANCE BETWEEN THE SLEEVE AND UTILITY PIPE.

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CONCRETE:

1. ALL CONCRETE AND REINFORCING BARS SHALL BE INSTALLED ACCORDING TO STANDARDS SET FORTH BY THE LATEST EDITION OF ACI-308.

2. REINFORCEMENT SHALL BE HELD IN PLACE DURING CONCRETE PLACEMENT. IF REQUIRED, ADDITIONAL BARS MAY BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS.

19. GALVANIZED SEISMIC METAL TIES SHALL BE USED IN THE WALL ASSEMBLY TO TIE THE VENEER BACK TO THE WALL SYSTEM. THESE TIES SHALL BE SPACED NO FURTHER THAN AT 16" ON CENTER VERTICALLY AND HORIZONTALLY. A CONTINUOUS SINGLE-WIRE JOINT REINFORCEMENT OF MINIMUM WIRE SIZE OF #14 SHALL BE INSTALLED IN THE BED JOINTS AND ATTACHED TO THE BRICK TIES. FOR OPENINGS THE BRICK TIES MAY NOT BE SPACED FURTHER THAN 16 INCHES ON CENTERS AND 12 INCHES FROM EDGE OF OPENING. FOR ARCHES AND LINTELS WITH MASONRY FORMING THE HEAD OF THE OPENING, THE CONTRACTOR SHALL INSTALL MASONRY TIES AT EACH BRICK JOINT TO ADEQUATELY SUSPEND/SUPPORT THE BRICK IN PLACE AS INTENDED IN THE ARCHITECTURAL DRAWINGS.

14. ALL STEEL REQUIRING PAINT SHALL BE PROPERLY CLEANED AND PREPARED TO ACCEPT THE APPROPRIATE PAINT FOR THE PROJECT. THE PAINT TYPE, COLOR AND THICKNESS SHALL BE SELECTED ACCORDING TO THE LOCATION OF THE STEEL, TYPE OF BUILDING AND OWNER'S REQUIREMENTS FOR COLOR, ETC. DECISIONS INVOLVING PAINT, COLOR AND SO ON SHALL BE PER OWNER.

20 DAY MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:

FOOTINGS	3000 PSI
SLABS ON GRADE	3000 PSI
ELEVATED FORMED STAIRS	4500 PSI

NO CALCIUM CHLORIDE SHALL BE USED IN MIX.

20. GALVANIZED SEISMIC METAL TIES SHALL BE USED IN THE WALL ASSEMBLY TO TIE THE VENEER BACK TO THE WALL SYSTEM. THESE TIES SHALL BE SPACED NO FURTHER THAN AT 16" ON CENTER VERTICALLY AND HORIZONTALLY. A CONTINUOUS SINGLE-WIRE JOINT REINFORCEMENT OF MINIMUM WIRE SIZE OF #14 SHALL BE INSTALLED IN THE BED JOINTS AND ATTACHED TO THE BRICK TIES. FOR OPENINGS THE BRICK TIES MAY NOT BE SPACED FURTHER THAN 16 INCHES ON CENTERS AND 12 INCHES FROM EDGE OF OPENING. FOR ARCHES AND LINTELS WITH MASONRY FORMING THE HEAD OF THE OPENING, THE CONTRACTOR SHALL INSTALL MASONRY TIES AT EACH BRICK JOINT TO ADEQUATELY SUSPEND/SUPPORT THE BRICK IN PLACE AS INTENDED IN THE ARCHITECTURAL DRAWINGS.

17. THE CONTRACTOR SHALL INSTALL BENT PLATES AS NECESSARY AT RIDGE, HIP, EAVE AND VALLEY LOCATIONS ON THE ROOF TO ADEQUATELY SUPPORT THE EDGE OF ROOF PANELS.

4. THE CONTRACTOR SHALL TAKE ADDITIONAL PRECAUTIONS WHEN CONCRETE IS TO BE PLACED AND CURED DURING COLD OR HOT WEATHER. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS PRESCRIBED BY AMERICAN CONCRETE INSTITUTE FOR COLD OR HOT WEATHER CONSTRUCTION.

5. NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE ABOVE THAT PRESCRIBED IN THE MIX DESIGN UNLESS APPROVED BY THE ARCHITECT OR STRUCTURAL ENGINEER.

21. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISH/COLOR, SPECIAL FLATNESS REQUIREMENTS, ETC. ALL CONCRETE SHALL BE PROPERLY CURED IMMEDIATELY AFTER FINISHING.

22. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN OF ALL TEMPORARY FRAMEWORK, FORMS AND SHORING.

17. THE CONTRACTOR SHALL INSTALL BENT PLATES AS NECESSARY AT RIDGE, HIP, EAVE AND VALLEY LOCATIONS ON THE ROOF TO ADEQUATELY SUPPORT THE EDGE OF ROOF PANELS.

REINFORCING STEEL SHALL BE GRADE 60, MINIMUM LAP IN CONCRETE SHALL BE IN ACCORDANCE W/ ACI-308.

WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 1'-0".

ALL PLUMBING SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS THE FLOOR SLAB AFTER PIPING IS INSTALLED.

22. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN OF ALL TEMPORARY FRAMEWORK, FORMS AND SHORING.

17. THE CONTRACTOR SHALL INSTALL BENT PLATES AS NECESSARY AT RIDGE, HIP, EAVE AND VALLEY LOCATIONS ON THE ROOF TO ADEQUATELY SUPPORT THE EDGE OF ROOF PANELS.

EXTERIOR CONCRETE PADS SHALL BE SIZED AND LOCATED PER THE CONTRACT DOCUMENTS AND/OR EQUIPMENT SPECIFICATIONS. PLEASE SEE DRAWINGS BY ARCHITECT AND/OR MECHANICAL/ELECTRICAL ENGINEERS IN ADDITION TO THE STRUCTURAL AND ARCHITECTURAL DRAWINGS.

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REBAR DOVELS SHALL MATCH VERTICAL REINFORCING (I/O).

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PROVIDE PROPERLY TIED SPACERS, CHAIRS, BOLSTERS, ETC. AS REQUIRED AND NECESSARY TO ASSEMBLE, PLACE AND SUPPORT ALL REBARING. USE WIRE BAR TYPE SUPPORTS COMPLYING WITH CRSI RECOMMENDATIONS-USE PLASTIC TIE LEGS ON ALL EXPOSED CONCRETE.

SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISH/COLOR, SPECIAL FLATNESS REQUIREMENTS, ETC. ALL CONCRETE SHALL BE PROPERLY CURED IMMEDIATELY AFTER FINISHING.

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17. THE CONTRACTOR SHALL INSTALL BENT PLATES AS NECESSARY AT RIDGE, HIP, EAVE AND VALLEY LOCATIONS ON THE ROOF TO ADEQUATELY SUPPORT THE EDGE OF ROOF PANELS.

AT APPLICATIONS REQUIRING NEW CONCRETE TO BE PLACED AGAINST EXISTING CONCRETE, THE EXISTING CONCRETE SHALL BE PROPERLY ROUGHENED, 1/4" HIGH TO LOW AND A SUITABLE BONDING AGENT APPLIED PRIOR TO PLACING NEW CONCRETE. THE SURFACE PREPARATION AND BONDING AGENT IS IN ADDITION TO THE ANY DOVELS AS SPECIFIED IN THE DETAILS.

4" SLAB ON GRADE SHALL BE REINFORCED WITH M6X8-HI 4 X H4 MMF ON PROPERLY PREPARED BASE MATERIAL WITH VAPOR BARRIER. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR SPECIFICS RELATING TO SLAB SUPPORT, LOCATION OF VAPOR BARRIER AND ANY OTHER (UNDER SLAB) REQUIREMENTS. A 4" SLAB IS TYPICALLY FOR DOMESTIC OR LIGHT COMMERCIAL APPLICATIONS WITH FLOOR LOADINGS UP TO 100 PSF. SLAB THICKNESS SHOULD BE INCREASED IN THE EVENT THERE IS A NEED FOR HEAVIER FLOOR LOADINGS- CONTRACTOR SHALL VERIFY FLOOR LOADS WITH OWNER AND EQUIPMENT SUPPLIERS, ETC. PRIOR TO BASE AND SLAB PLACEMENT. IN THESE AREAS THE SLAB SHALL BE THICKENED TO ACCOMMODATE THE LOADS. SEE CONSTRUCTION DOCUMENTS FOR LOCATIONS OF SLABS AND (BASIC) OR MINIMUM SLAB THICKNESS.

22. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN OF ALL TEMPORARY FRAMEWORK, FORMS AND SHORING.

17. THE CONTRACTOR SHALL INSTALL BENT PLATES AS NECESSARY AT RIDGE, HIP, EAVE AND VALLEY LOCATIONS ON THE ROOF TO ADEQUATELY SUPPORT THE EDGE OF ROOF PANELS.

UNLESS SPECIFIED OTHERWISE, THE CONTRACTOR SHALL SPACE SLAB JOINTS NOT EXCEED 36 TIMES THE SLAB THICKNESS PER ACI (AMERICAN CONCRETE INSTITUTE). THE WIDTH TO LENGTH OF JOINTED SECTIONS SHALL NOT EXCEED THE RATIO OF 1 TO 1-1/2.

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22. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN OF ALL TEMPORARY FRAMEWORK,

STATEMENT OF SPECIAL INSPECTIONS (PER CHAPTER 17, 2012 IBC)

SPECIAL INSPECTION COORDINATOR - TO BE RETAINED BY OWNER									
BUILDING SYSTEM OR COMPONENT	MATERIAL SUBMITTAL	TESTING			INSPECTION (PER IBC)			QUALITY ASSURANCE (PER IBC)	
		REQUIREMENTS	FREQUENCY	AGENCY	MONITORING	FREQUENCY	AGENCY	PART OF WIND	PART OF SEISMIC
SOILS (COMPACTED FILL)	N/A	1. TEST IN PLACE DRY DENSITY OF COMPACTED FILL.	1. AS APPROVED BY GEOTECHNICAL ENGINEER.	TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. DETERMINE SITE IS PREPARED IN ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL. 2. DURING PLACEMENT AND COMPACTION OF FILL MATERIAL, DETERMINE MATERIAL BEING USED AND MAXIMUM LIFT THICKNESS COMPLIES WITH SOILS REPORT. 3. VERIFY THAT IN PLACE DRY DENSITY TESTS OF COMPACTED FILL COMPLIES WITH SOILS REPORT.	1. PERIODIC 2. CONTINUOUS	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. COLUMNS AND SHEARWALLS ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL.	1. COLUMNS AND SHEARWALLS ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL.
CONCRETE FOUNDATIONS	1. SUBMIT CONCRETE MIX DESIGN. 2. SUBMIT FOUNDATION REINFORCEMENT SHOP DRAWINGS. 3. VERIFY PROPER CONCRETE STRENGTH.	1. TEST CONCRETE STRENGTH.	1. (1) SET OF CYLINDERS FOR EACH VERTICAL LIFT OR EACH 50 YARDS OF CONCRETE.	TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. VERIFY APPROPRIATE MIX (STRENGTH) PROVIDE: A. REBAR SIZE B. REBAR QUANTITY C. REBAR PLACEMENT	1. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL.	1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL.
CONCRETE MASONRY UNITS	1. SUBMIT TEST DATA ON CMU UNITS NET AREA OF COMPRESSIVE STRENGTH 1900 PSI OR GREATER. 2. TYPE 'S' MORTAR GROUT MIX 2000 PSI	1. TEST COMPRESSIVE STRENGTH OF MORTAR & GROUT.	1. (1) SET OF GROUT CUBES FROM EACH FLOOR AND/OR (1) SET OF CUBES FOR EACH 50 YARDS OF GROUT.	TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	SEE MASONRY INSPECTION CHART	SEE MASONRY INSPECTION CHART	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. YES	1. YES
STRUCTURAL STEEL	1. SUBMIT MANUFACTURER'S CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL	N/A	N/A	N/A	1. INSPECT STEEL FRAME, JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.	1. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. FLOOR AND ROOF SYSTEM FRAMING	1. FLOOR AND ROOF SYSTEM FRAMING
STRUCTURAL STEEL HIGH-STRENGTH BOLTING (AND MECHANICAL FASTENING OF METAL DECK)	1. SUBMIT MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR HIGH-STRENGTH BOLTS, NUTS, WASHERS AND/OR FASTENERS.	N/A	N/A	N/A	1. VERIFY BOLTING IN BEARING-TYPE CONNECTIONS ARE INSTALLED IN ACCORDANCE WITH ASBC SPECIFICATIONS. 2. VERIFY BOLTING IN SLIP-CRITICAL CONNECTIONS ARE INSTALLED IN ACCORDANCE WITH ASBC SPECIFICATIONS. 3. VERIFY IDENTIFICATION MARKING ON HIGH-STRENGTH BOLTS, NUTS AND WASHERS CONFORMING TO ASTM STANDARDS SPECIFIED. 4. VERIFY FASTENER TYPE AND ADHERENCE TO SPECIFIED FASTENER ATTACHMENT PATTERN. 5. VERIFY PROPER STORAGE AND HANDLING OF BOLTS, NUTS, WASHERS.	1. PERIODIC 2. CONTINUOUS (MAY BE PERIODIC IF TURN-OF-NUT WITH MATCH MARKING METHODS, DISCREET TENSION INDICATORS OR ALTERNATE DESIGN FASTENER (TWIST-OFF METHODS ARE USED))	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. FLOOR AND ROOF SYSTEM BOLTING	1. FLOOR AND ROOF SYSTEM BOLTING
STRUCTURAL STEEL WELDING	1. SUBMIT MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR WELD FILLER MATERIAL.	N/A	N/A	N/A	VERIFY WELDING IS IN COMPLIANCE WITH AWS D1.1 1. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 2. MULTIPASS FILLET WELDS 3. SINGLE-PASS FILLET WELDS > 5/16" 4. SINGLE-PASS FILLET WELDS < OR = 5/16" 5. FLOOR AND DECK WELDS.	1. CONTINUOUS 2. CONTINUOUS 3. CONTINUOUS 4. PERIODIC 5. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL PER IBC	1. FLOOR AND ROOF SYSTEM WELDING	1. FLOOR AND ROOF SYSTEM WELDING

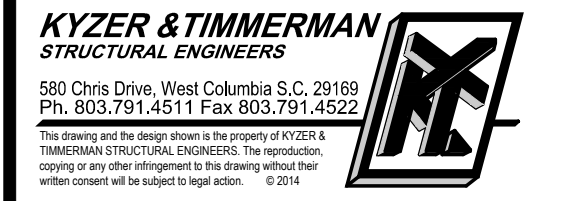
NOTE: ALL TESTING, INSPECTION & RELATED REPORTS SHALL BE SENT BY EMAIL TO THE SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL ON A WEEKLY BASIS. ANY DEFICIENCIES SHALL BE CLEARLY NOTED & BROUGHT TO THE ATTENTION OF THE SPECIAL INSPECTION COORDINATOR.

DEFINITIONS:
PERIODIC SPECIAL INSPECTION: PER IBC "SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED."
CONTINUOUS SPECIAL INSPECTION: PER IBC "SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED."

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

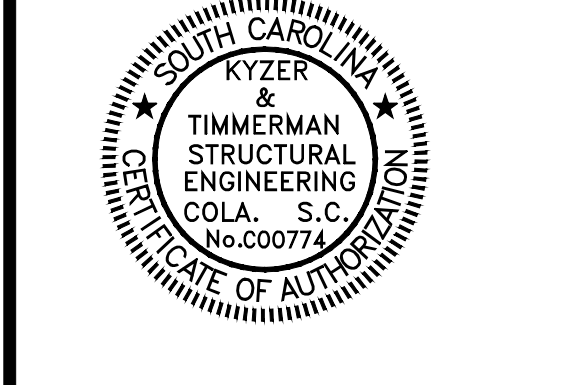
SEISMIC QUALITY ASSURANCE PLAN
1. THE FOLLOWING SEISMIC SYSTEMS AND SEISMIC-FORCE-RESISTING SYSTEM COMPONENTS ARE SUBJECT TO QUALITY ASSURANCE: A. MASONRY SHEARWALL REINFORCEMENT. B. ATTACHMENT OF ROOF STRUCTURAL SYSTEM TO SHEARWALLS. C. INSTALLATION OF SUSPENDED CEILING AND THEIR ANCHORAGE. D. ANCHORAGE OF ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER. E. ANCHORAGE OF EXTERIOR WALL PANELS &/OR GLAZING. 2. PROVIDE SPECIAL INSPECTIONS FOR SYSTEMS INDICATED ABOVE AS INDICATED IN SPECIAL INSPECTIONS CHART. 3. TYPE AND FREQUENCY OF TESTING PER CHART. 4. TYPE AND FREQUENCY OF SPECIAL INSPECTIONS SEE CHART. 5. ALL REPORTS TO ARCHITECT, STRUCTURAL ENGINEER AND SPECIAL INSPECTIONS COORDINATOR. 6. PERIODIC STRUCTURAL OBSERVATION WILL BE PERFORMED AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM. 7. STRUCTURAL OBSERVATION REPORTS TO ARCHITECT, STRUCTURAL ENGINEER
CONTRACTOR'S RESPONSIBILITY
EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC - FORCE - RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A COMPONENT LISTED IN THE SEISMIC QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING: 1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE WIND QUALITY ASSURANCE PLAN. 2. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL. 3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS. 4. IDENTIFICATIONS AND QUALIFICATIONS OF PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

WIND QUALITY ASSURANCE PLAN
1. THE FOLLOWING MAIN WIND FORCE-RESISTING SYSTEMS AND WIND RESISTING COMPONENTS ARE SUBJECT TO QUALITY ASSURANCE: A. MASONRY SHEARWALL CONSTRUCTION AND REINFORCEMENT. B. ROOF DIAPHRAGM SYSTEMS. C. WALL CONNECTIONS TO ROOF DIAPHRAGM AND FRAMING. D. GLAZING SYSTEM FABRICATION AND INSTALLATION. E. ROOF CLADDING AND ROOF FRAMING COMPONENTS. 2. PROVIDE SPECIAL INSPECTIONS FOR SYSTEMS INDICATED ABOVE AS INDICATED IN SPECIAL INSPECTIONS CHART. 3. TYPE AND FREQUENCY OF TESTING PER CHART. 4. TYPE AND FREQUENCY OF SPECIAL INSPECTIONS SEE CHART. 5. ALL REPORTS TO ARCHITECT, STRUCTURAL ENGINEER AND SPECIAL INSPECTIONS COORDINATOR. 6. PERIODIC STRUCTURAL OBSERVATION WILL BE PERFORMED AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM. 7. STRUCTURAL OBSERVATION REPORTS TO ARCHITECT, STRUCTURAL ENGINEER
CONTRACTOR'S RESPONSIBILITY
EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WINDFORCE - RESISTING SYSTEM OR A WIND-RESISTING COMPONENT LISTED IN THE WIND QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING: 1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE WIND QUALITY ASSURANCE PLAN. 2. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL. 3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS. 4. IDENTIFICATIONS AND QUALIFICATIONS OF PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

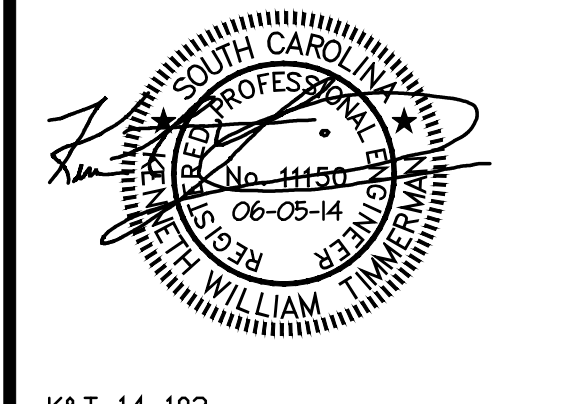


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Member of the Structural Engineers Association of South Carolina

CORPORATE SEAL



A/E SEAL



K&T 14-103 PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

TENNIS LOCKER ROOM ADDITION

CAROLINA TENNIS CENTER

BID SET

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REVISIONS	
NO	DATE

SHEET INFORMATION	
Date	06/05/14
Project No.	12.130.09
Scale	AS NOTED
Drawn By	NDJ
Checked By	KWT
State Project No.	CP00371744/FM00424821

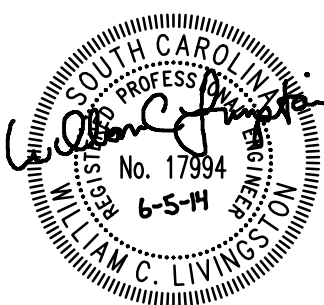
TITLE
SPECIAL INSPECTIONS

Jun 03, 2014, 11:29am, Z:\2014 - 12-18-2014 - 02\0514_14_011 USG Tennis Facility\14-03 Model & Land\Title.dwg

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

BID DOCUMENTS

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REVISIONS		
NO.	REVISION	DATE

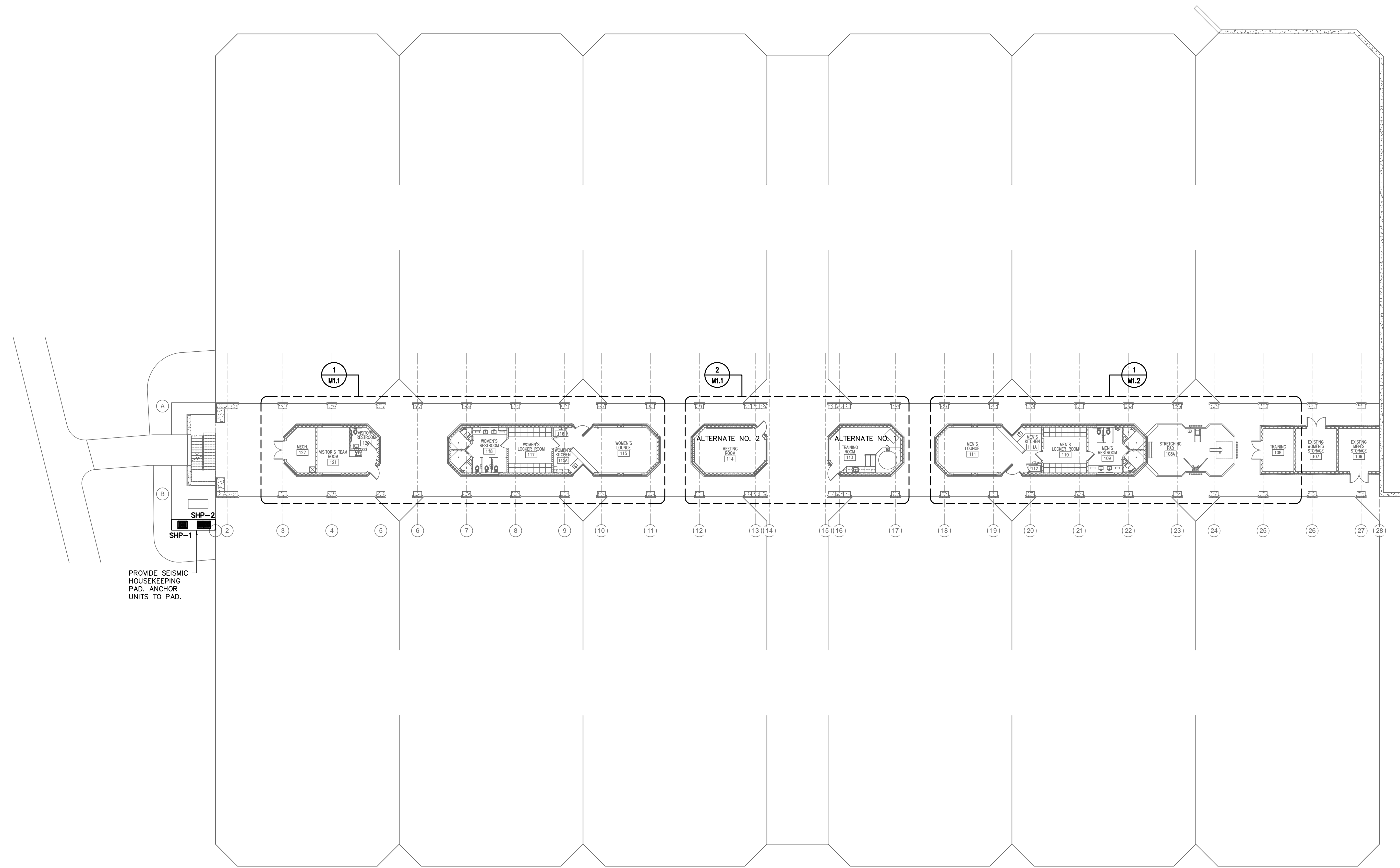
SHEET INFORMATION

Date 06.05.2014
Project No. 12.130.09
Scale 1/16" = 1'-0"
Drawn By DEM
Checked By WCL
State Project #. H27-6102-MJ

OVERALL FLOOR PLAN

SHEET NO.

M1.0



1 OVERALL FLOOR PLAN
SCALE: 1/16" = 1'-0"

Swygart & Associates
CONSULTING ENGINEERS

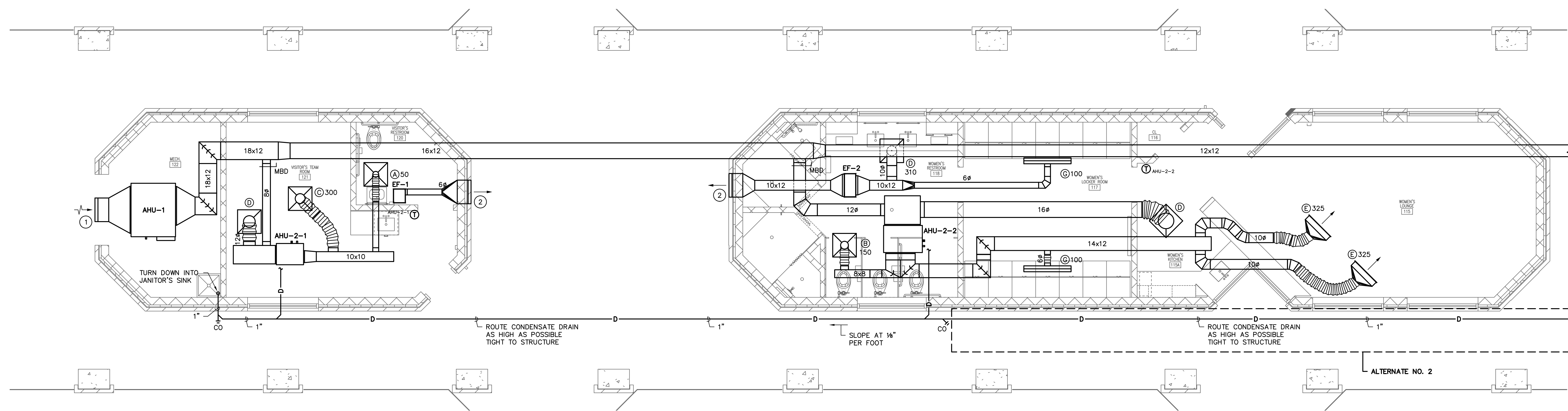
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Post Office Box 11688 Faxline: (803) 791-0830
Columbia, S.C. 29211 mail@swygart-associates.com

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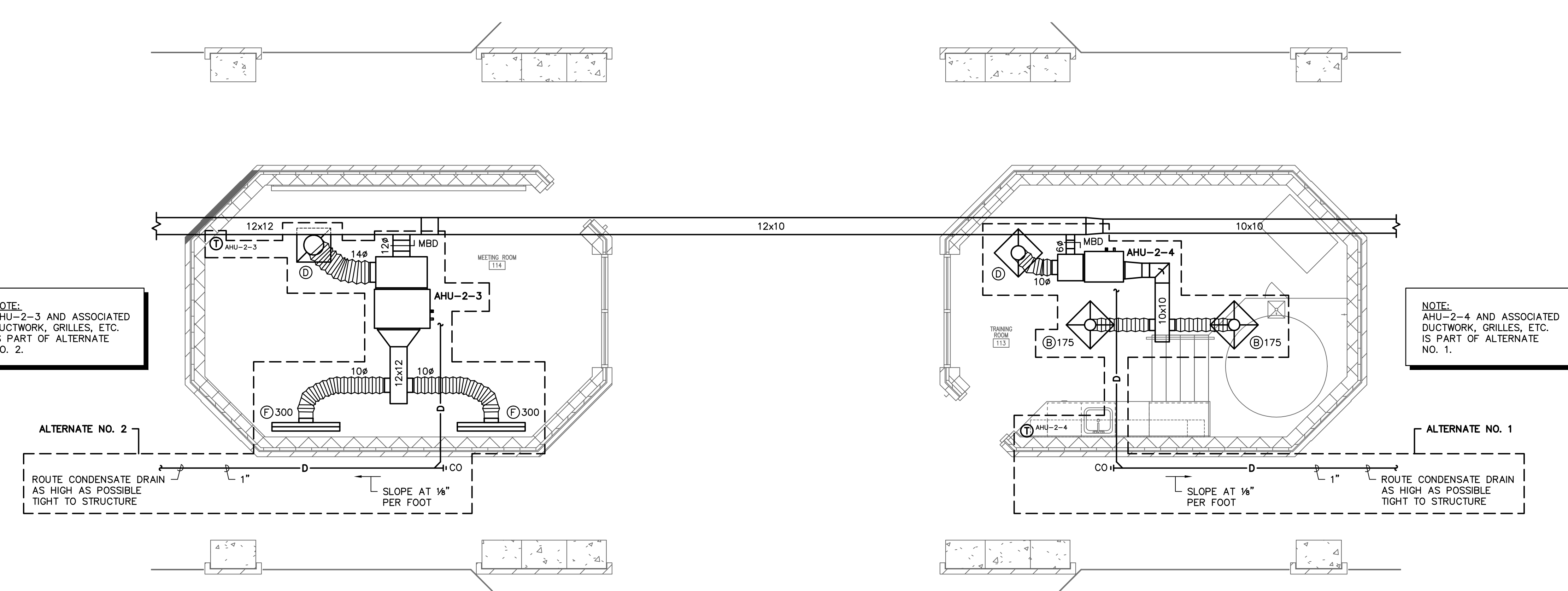


NOTES TO SHEET

- ① RUSKIN MODEL GFL8000 24"x16" ALUMINUM INTAKE LOUVER WITH BIRDSCREEN. COLOR SHALL BE FLAT BLACK. INSTALL MINIMUM 9'-4" ABOVE FINISHED FLOOR.
- ② RUSKIN MODEL GFL8000 24"x16" ALUMINUM EXHAUST LOUVER WITH BIRDSCREEN. COLOR SHALL BE FLAT BLACK. INSTALL MINIMUM 9'-4" ABOVE FINISHED FLOOR.

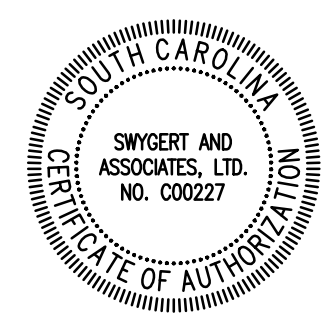


1 FLOOR PLAN
SCALE: 1/4" = 1'-0"

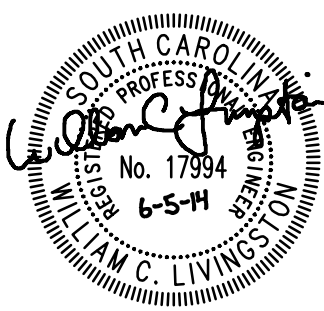


2 FLOOR PLAN
SCALE: 1/4" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST. COLUMBIA, SC 29201

BID DOCUMENTS

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REVISIONS	
NO.	DATE

SHEET INFORMATION	
Date	06.05.2014
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	DEM
Checked By	WCL
State Project #.	H27-6102-MJ

FLOOR PLANS

TITLE

SHEET NO.

M1.1

Swygert & Associates
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Post Office Box 11689 Columbia, S.C. 29211 Faxline: (803) 791-0830
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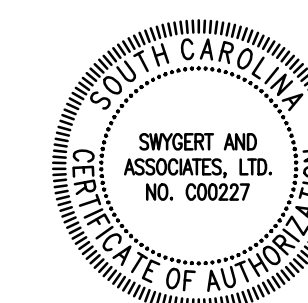
QUACKENBUSH
ARCHITECTS+PLANNERS

1217 Hampton Street T: 803.771.2999
Columbia, SC 29201 F: 803.771.2858

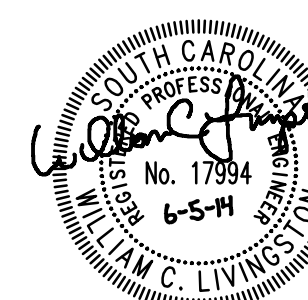
NOTES TO SHEET

- ① RUSKIN MODEL GFL8000 24"x16" ALUMINUM EXHAUST LOUVER WITH BIRDSCREEN. COLOR SHALL BE FLAT BLACK. INSTALL MINIMUM 9"-4" ABOVE FINISHED FLOOR.

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

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COLUMBIA, SC 29201

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REVISIONS

NO.	REVISION	DATE

SHEET INFORMATION

Date	06.05.2014
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	DEM
Checked By	WCL
State Project #	H27-6102-MJ

FLOOR PLAN

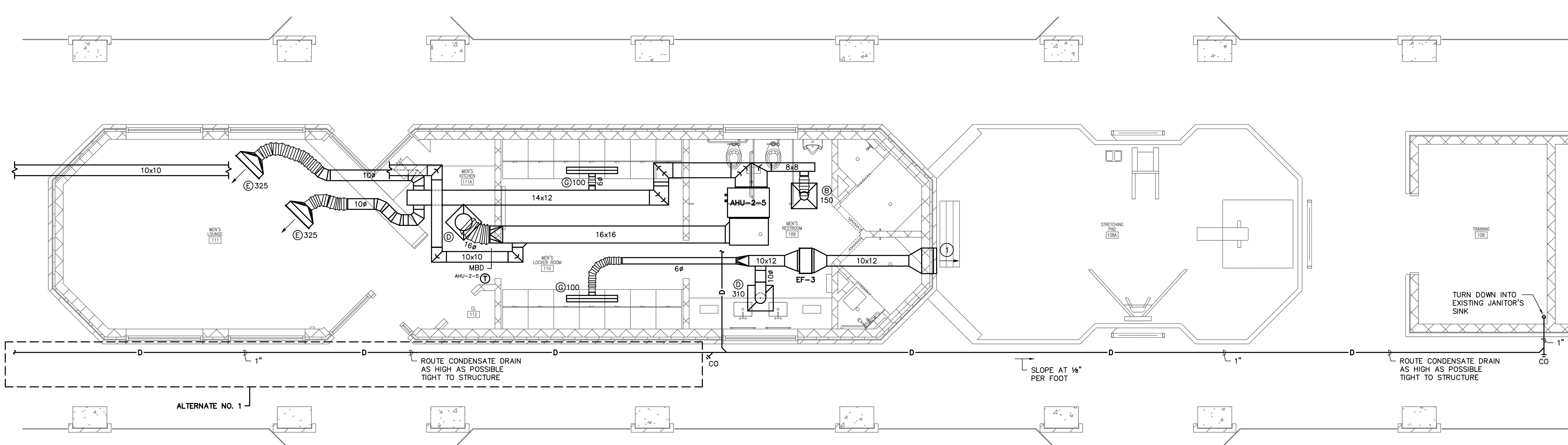
TITLE

SHEET NO.

M1.2

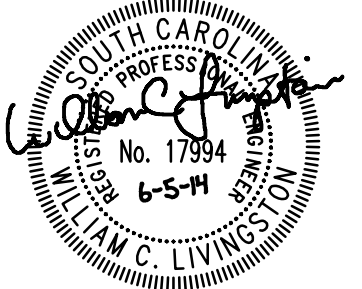
Swygert & Associates
CONSULTING ENGINEERS

DBA Swygert & Assoc., Ltd. Telephone: (803) 791-8300
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mailto:ms@swygert-associates.com



1 FLOOR PLAN
SCALE: 1/4" = 1'-0"

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REVISIONS

NO.	REVISION	DATE

SHEET INFORMATION

Date	06.05.2014
Project No.	12.130.09
Scale	NO SCALE
Drawn By	DEM
Checked By	WCL
State Project #.	H27-6102-MAJ

Swygart & Associates
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100% OUTSIDE AIR SPLIT HEAT PUMP SCHEDULE (OWNER FURNISHED AND CONTRACTOR INSTALLED)

TAG	DAIKIN MODEL SHP/AHU	COOLING CAP.— MBH @ 80/67/95 TOTAL	HEAT CAP.— MBH @ 47	ENTERING AIR		CFM	REMARKS
				SUMMER	WINTER		
SHP-1/AHU-1	RYQ96PBTJ/FXM096MFXUJ	96.0	59.0	97/78	22	1,170	1,2

1. PROVIDE OUTDOOR AIR CONDITIONING UNIT WITH INTERNAL CONDENSATE PUMP WITH FLOAT SWITCH TO SHUT DOWN UNIT IN ORDER TO PREVENT CONDENSATE OVERFLOW.
2. IN BASE BID ALL HVAC EQUIPMENT, CONTROLLERS, AND REFRIGERANT SPECIALTIES SHALL BE PROVIDED BY THE OWNER. CONTRACTOR SHALL FURNISH ALL TUBING, INSULATION, AND WIRING FOR A COMPLETE SYSTEM. CONTRACTOR SHALL BE CERTIFIED BY EQUIPMENT MANUFACTURER TO SERVICE AND INSTALL EQUIPMENT. STARTUP AND LABOR WARRANTY SHALL BE PROVIDED BY CONTRACTOR.

DESIGN CONDITIONS

SEASON	OUTSIDE	INSIDE
SUMMER	97° FDB / 78° FWB	75° FDB / 50% RH
WINTER	22° FDB	70° FDB

- GENERAL NOTES**
1. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC.
 2. ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
 3. ALL PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS, ROOFS AND PARTITIONS.
 4. ALL MECHANICAL ITEMS EXTENDING THROUGH WALLS SHALL BE FLASHED.
 5. ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS, PIPING AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATION.
 6. EXTEND ALL DRAIN LINES TO JANITOR SINK AS INDICATED — SO ROUTED AS TO AVOID INTERFERENCE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED PER STATIC PRESSURE REQUIREMENTS.
 7. MINIMUM PIPE SIZE SHALL BE 3/4-INCH UNLESS INDICATED OTHERWISE.
 8. ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS AND FURTHER SUPPORTS OR HANGERS SHALL BE PROVIDED TO PREVENT WEIGHT OF PIPING BEING PLACED ON EQUIPMENT.
 9. DUCTWORK OUTSIDE OF BUILDING SHALL BE WRAPPED WITH ALUMINUM JACKET AND SEALED WEATHER TIGHT.
 10. ALL ITEMS OF EQUIPMENT ON GRADE SHALL BE LOCATED ON REINFORCED CONCRETE FOUNDATIONS, MINIMUM 6-INCH THICK OR AS DETAILED ON THESE PLANS AND SPECIFICATIONS AND 6 INCHES LARGER THAN EQUIPMENT IN EACH DIRECTION. PADS SHALL BE REINFORCED PER THE HOUSEKEEPING PAD SECTION OF THE ASHRAE PRACTICAL GUIDE FOR SEISMIC RESTRAINT. ALL UNITS SHALL BE SECURED TO THE HOUSEKEEPING PADS WITH SEISMIC RESTRAINTS. PROVIDE 1-INCH CHAMFERS ON ALL SIDES.
 11. PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
 12. THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
 13. THIS CONTRACTOR SHALL DO ALL CONTROL WIRING. DIVISION 26 WILL DO ALL POWER WIRING. ALL WIRING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. CONTROL WIRING SHALL BE CONCEALED WITHIN WALL AND ALL CONTROL WIRING SHALL BE ROUTED IN EMT CONDUIT.
 14. LOCATE ALL SPACE CONTROL INSTRUMENTS 4'-0" ABOVE FINISHED FLOOR.
 15. THE HVAC SYSTEMS SHALL NOT BE OPERATED DURING HEAVY CONSTRUCTION OPERATIONS INCLUDING MASONRY, GYPSUM BOARD SANDING, HEAVY CLEANUP ACTIVITIES, OR OTHER ACTIVITIES THAT CREATE AIRBORNE PARTICLES OR DEBRIS. ALL SYSTEMS SHALL BE CLEAN OF CONSTRUCTION DEBRIS, DUST AND DIRT AT FINAL COMPLETION. DUCT CLEANING AND UNIT/COIL CLEANING SHALL BE PERFORMED IF REQUIRED.

VRV HEAT RECOVERY SPLIT HEAT PUMP SCHEDULE (OWNER FURNISHED AND CONTRACTOR INSTALLED)

TAG	DAIKIN MODEL SHP/DAHU	COOLING CAP.— MBH @ 72/63/95 TOTAL/SENSIBLE	HEAT CAP.— MBH @ 47	CFM		REMARKS
				O.A.	TOTAL	
SHP-2	REYQ96PBTJ	92.0	103.0	N/A	N/A	1,2,3
AHU-2-1	FXMQ12PVJU	12.0	13.5	170	350	1,2,3
AHU-2-2	FXMQ30PVJU	30.0	34.0	400	900	1,2,3
AHU-2-3	FXMQ18PVJU	18.0	20.0	100	600	1,2,3
AHU-2-4	FXMQ12PVJU	12.0	13.5	100	350	1,2,3
AHU-2-5	FXMQ30PVJU	30.0	34.0	400	900	1,2,3

1. PROVIDE HARD WIRED WALL MOUNTED THERMOSTAT AND INTERNAL CONDENSATE PUMP WITH FLOAT SWITCH TO SHUT DOWN UNIT IN ORDER TO PREVENT CONDENSATE OVERFLOW.
2. PROVIDE CONDENSATE PUMP TO PUMP UP TO MAIN GRAVITY DRAIN PIPE.
3. IN BASE BID ALL HVAC EQUIPMENT, CONTROLLERS, AND REFRIGERANT SPECIALTIES SHALL BE PROVIDED BY THE OWNER. CONTRACTOR SHALL FURNISH ALL TUBING, INSULATION, AND WIRING FOR A COMPLETE SYSTEM. CONTRACTOR SHALL BE CERTIFIED BY EQUIPMENT MANUFACTURER TO SERVICE AND INSTALL EQUIPMENT. STARTUP AND LABOR WARRANTY SHALL BE PROVIDED BY CONTRACTOR.

AIR DISTRIBUTION SCHEDULE

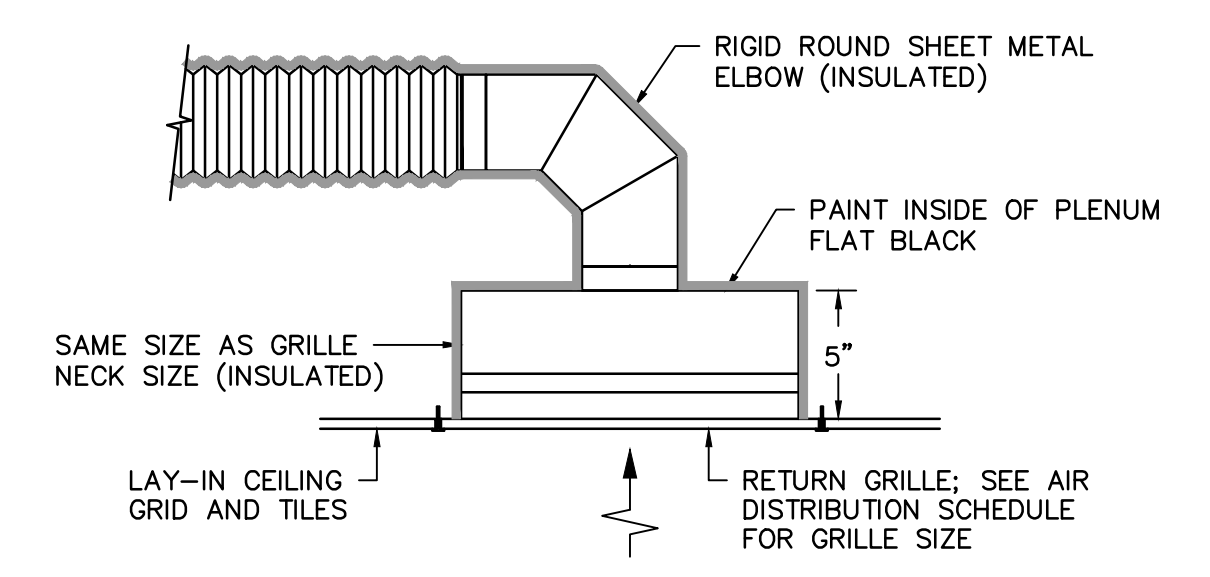
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS
(A)	UNI-FLOW SUPPLY	PRICE	ASPD	LAY-IN	0-125	6"ø	24"x24"	30	1,2
(B)	UNI-FLOW SUPPLY	PRICE	ASPD	LAY-IN	126-250	8"ø	24"x24"	30	1,2
(C)	UNI-FLOW SUPPLY	PRICE	ASPD	LAY-IN	251-350	10"ø	24"x24"	30	1,2
(D)	PERFORATED RETURN	PRICE	APDDR	LAY-IN	0-1000	22"x22"	24"x24"	30	1,2
(E)	LINEAR SUPPLY	PRICE	LBPH15B	SURFACE	325	30"x3"	32"x5"	30	2,5
(F)	SLOT DIFFUSER	PRICE	SDB100	SURFACE	300	10"ø	48" LONG	30	1,2,4
(G)	SLOT DIFFUSER	PRICE	SDB100	SURFACE	100	6"ø	48" LONG	30	1,2,6

1. PROVIDE WITH STANDARD WHITE FINISH.
2. PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION.
3. PROVIDE WITH OPPOSED BLADE DAMPER.
4. PROVIDE WITH FOUR 1" SLOTS AND INSULATED PLENUM.
5. PROVIDE WITH MILL FINISH.
6. PROVIDE WITH ONE 1" SLOT AND INSULATED PLENUM.

EXHAUST FAN SCHEDULE

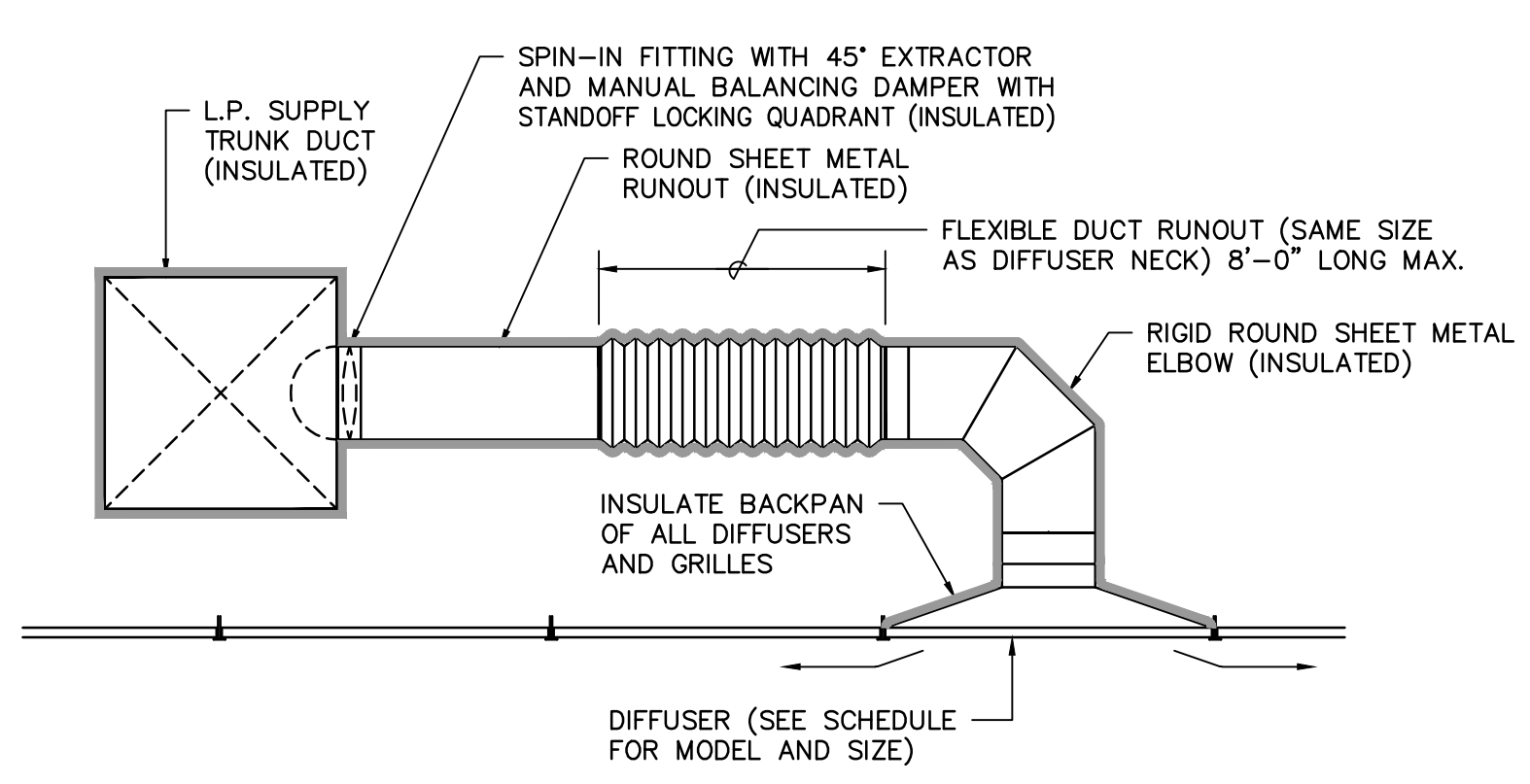
TAG	GREENHECK MODEL NO.	TYPE	CFM	ESP	MOTOR H.P./W.	SONES (MAX.)	REMARKS
EF-1	SP-B110	CEILING	70	0.375	100 W.	1.0	1,3
EF-2	CSP-A700	INLINE	410	0.375	350 W.	0.2	2,4
EF-3	CSP-A700	INLINE	410	0.375	350 W.	0.2	2,4

1. PROVIDE WITH CEILING GRILLE, BACKDRAFT DAMPER, DISCONNECT SWITCH, AND SPEED CONTROL.
2. PROVIDE WITH BACKDRAFT DAMPER, DISCONNECT SWITCH AND SPEED CONTROL.
3. INTERLOCK WITH LIGHT SWITCH, WIRED BY ELECTRICAL CONTRACTOR.
4. INTERLOCK TO OPERATE WHEN BUILDING IS OCCUPIED THROUGH EMS.



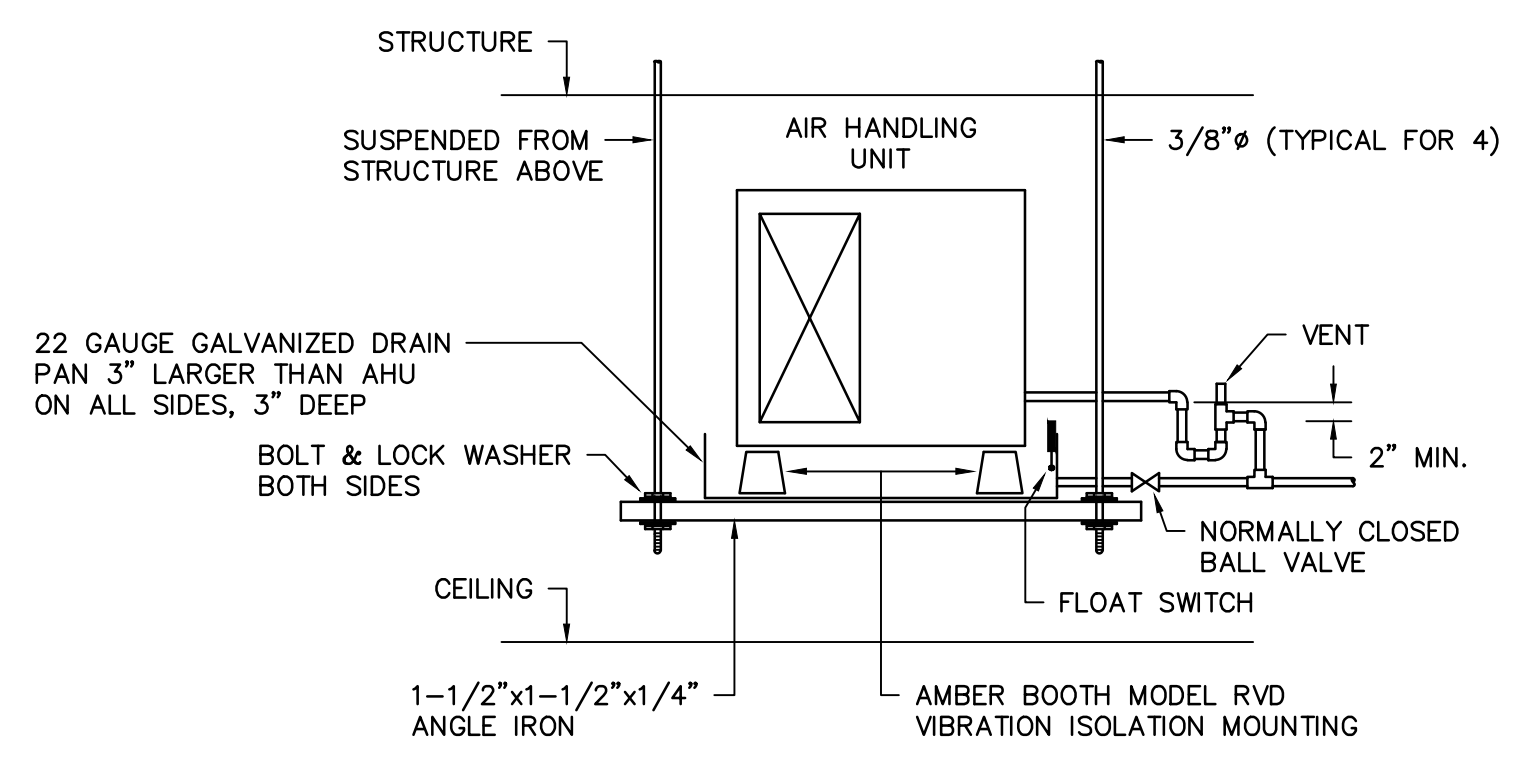
RETURN GRILLE DETAIL

NO SCALE



CEILING DIFFUSER DETAIL

NO SCALE

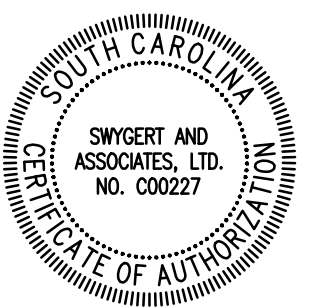


AIR HANDLING UNIT SUPPORT DETAIL

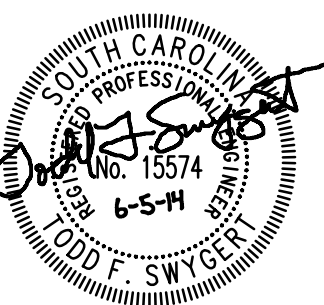
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CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

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REVISIONS	
NO	DATE

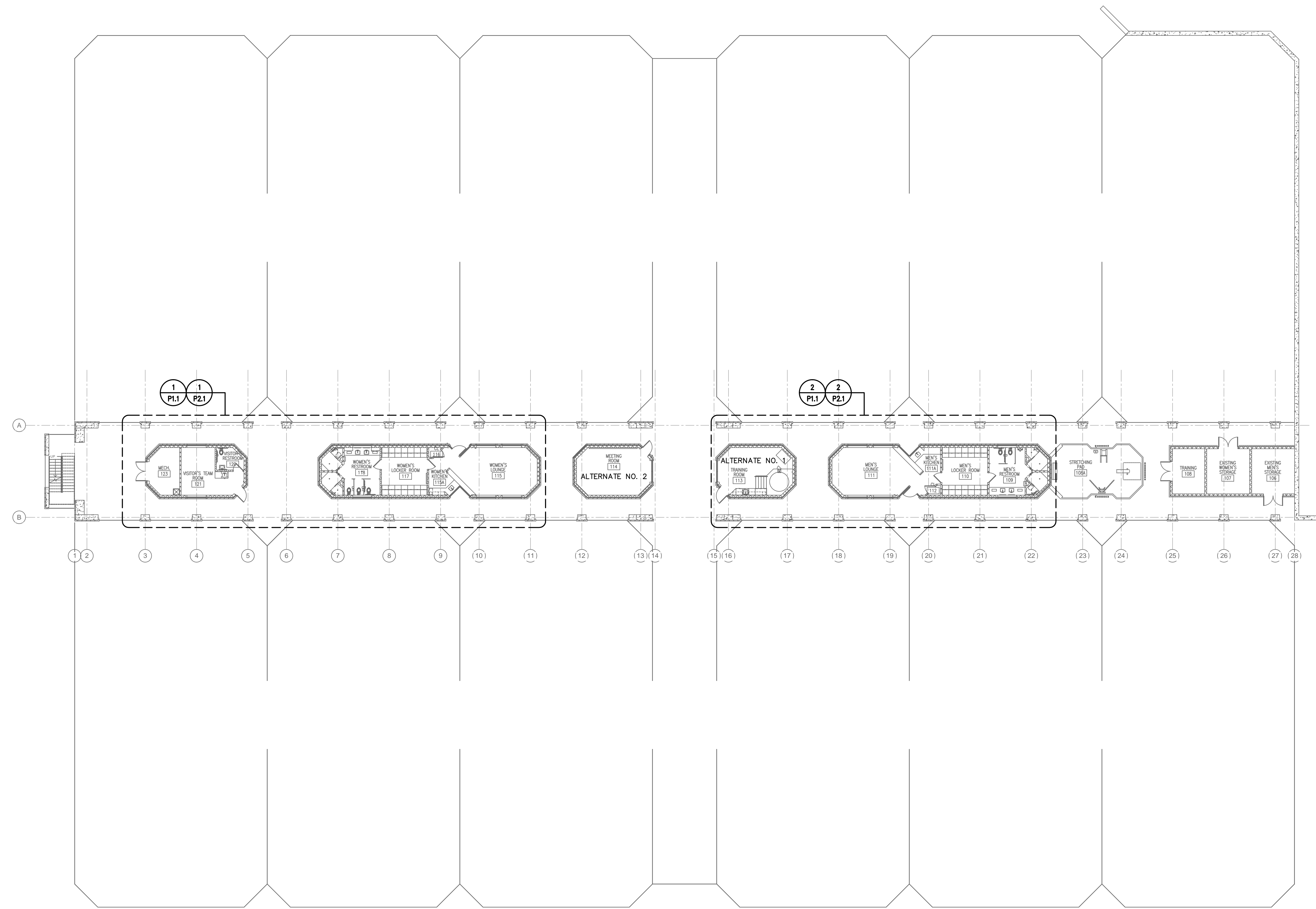
SHEET INFORMATION

Date 06.05.2014
Project No. 12.130.09
Scale 1/16" = 1'-0"
Drawn By DEM
Checked By TFS
State Project #. H27-6102-MJ

OVERALL FLOOR PLAN

SHEET NO.

P1.0



1 OVERALL FLOOR PLAN
PL.0 SCALE: 1/16" = 1'-0"

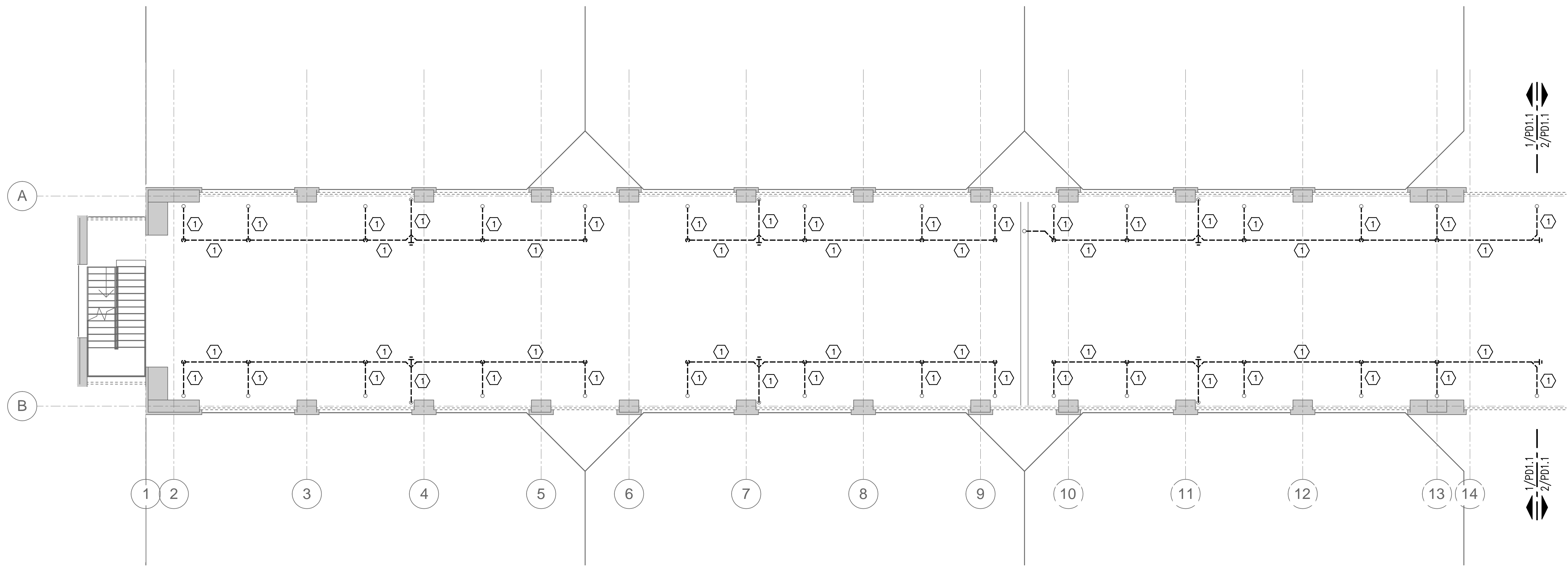
Swygart & Associates
CONSULTING ENGINEERS

DBA Swygart & Assoc., Ltd. Telephone: (803) 791-8300
Post Office Box 11688 Faxline: (803) 791-0830
Columbia, S.C. 29211 mail@swygart-associates.com

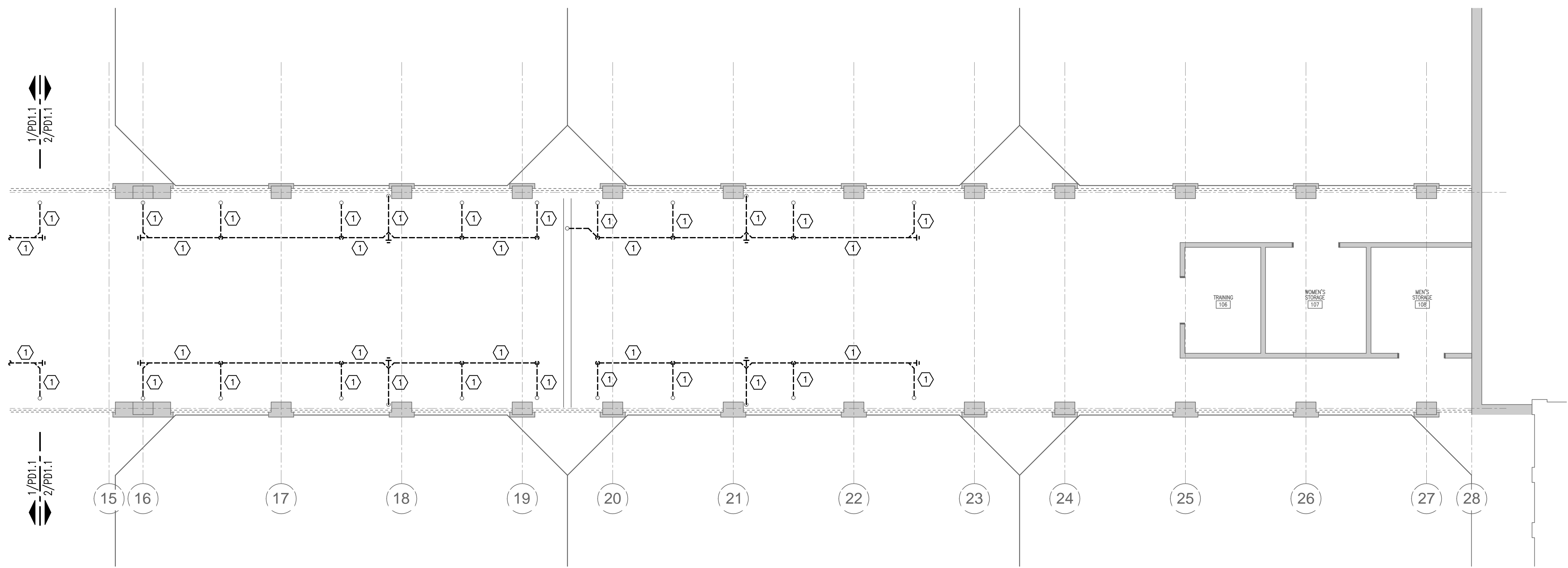
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DEMOLITION NOTES
① EXISTING STORM DRAINAGE PIPING TO BE REMOVED FROM THE FIRST HUBLESS BAND AT THE DRAINS FOR THE VIEWING AREA TO THE LAST BAND BEFORE THE STORM DRAINAGE PIPING GOES BELOW GRADE.

NOTE:
CONTRACTOR SHALL MAINTAIN STORM WATER CONTROL AND DISPOSAL THROUGHOUT PROJECT DURATION. EXISTING STORM DRAINAGE PIPING MAY REMAIN IN PLACE WHERE IT DOES NOT INTERFERE WITH NEW CONSTRUCTION. REMOVED PIPING MAY BE STORED AND REUSED AT THE CONTRACTOR'S DISCRETION. UPON COMPLETION OF CONTRACT, ALL WORK SHALL CONFORM TO THE SPECIFICATIONS AND SHEET P1.2.

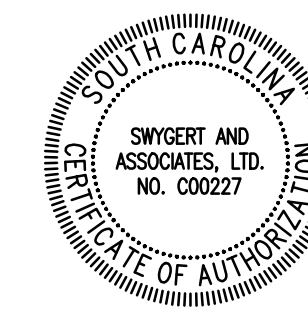


1 DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

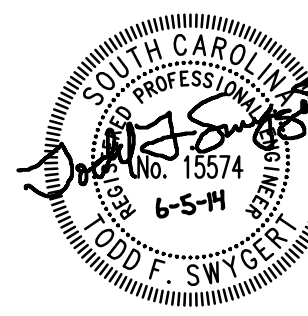


2 DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

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COLUMBIA, SC 29201

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REVISIONS	
NO.	REVISION

SHEET INFORMATION	
Date	06.05.2014
Project No.	12.130.09
Scale	1/8" = 1'-0"
Drawn By	DEM
Checked By	TFS
State Project #.	H27-6102-MJ

DEMOLITION FLOOR PLANS

TITLE

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SHEET NO.
PD1.1

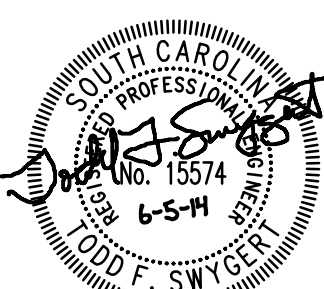
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CORPORATE SEAL



A/E SEAL



PROJECT TITLE

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Scale	1/4" = 1'-0"
Drawn By	DEM
Checked By	TFS
State Project #.	H27-6102-MJ

FLOOR PLANS - WASTE AND VENT PIPING

SHEET NO.

P1.1

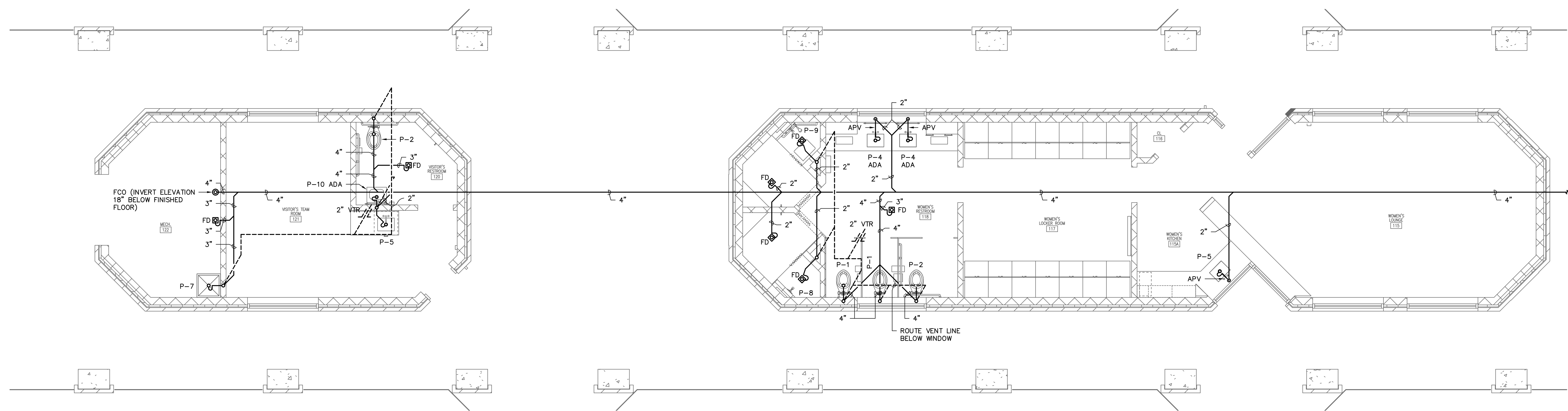
NOTE:
ALL VENT PIPING SHALL BE 2" IN SIZE UNLESS OTHERWISE INDICATED.

NOTE:
ALL BELOW SLAB PIPING IN TRAINING ROOM 113 IS PART OF BASE BID. CAP LINES AT 6" ABOVE SLAB. ALL ABOVE SLAB PIPING AND FIXTURES SHALL BE PART OF ALTERNATE NO. 1.

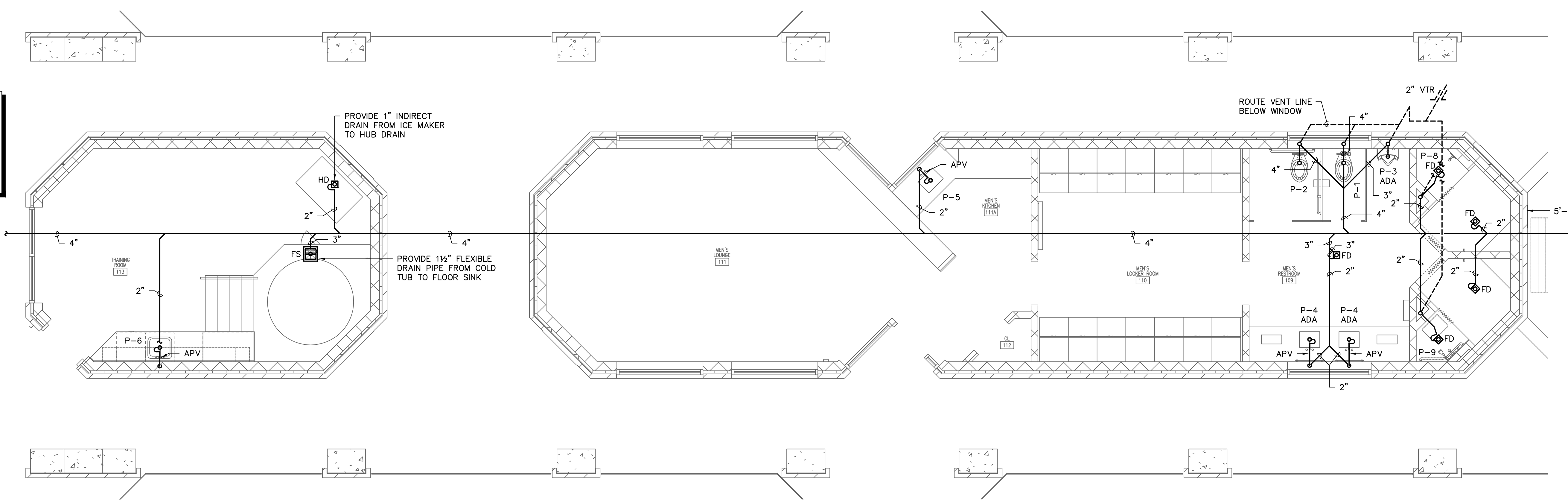
PROVIDE 1" INDIRECT DRAIN FROM ICE MAKER TO HUB DRAIN

PROVIDE 1 1/2" FLEXIBLE DRAIN PIPE FROM COLD TUB TO FLOOR SINK

4" - SEE SITE PLAN FOR CONTINUATION



1 FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 FLOOR PLAN
SCALE: 1/4" = 1'-0"

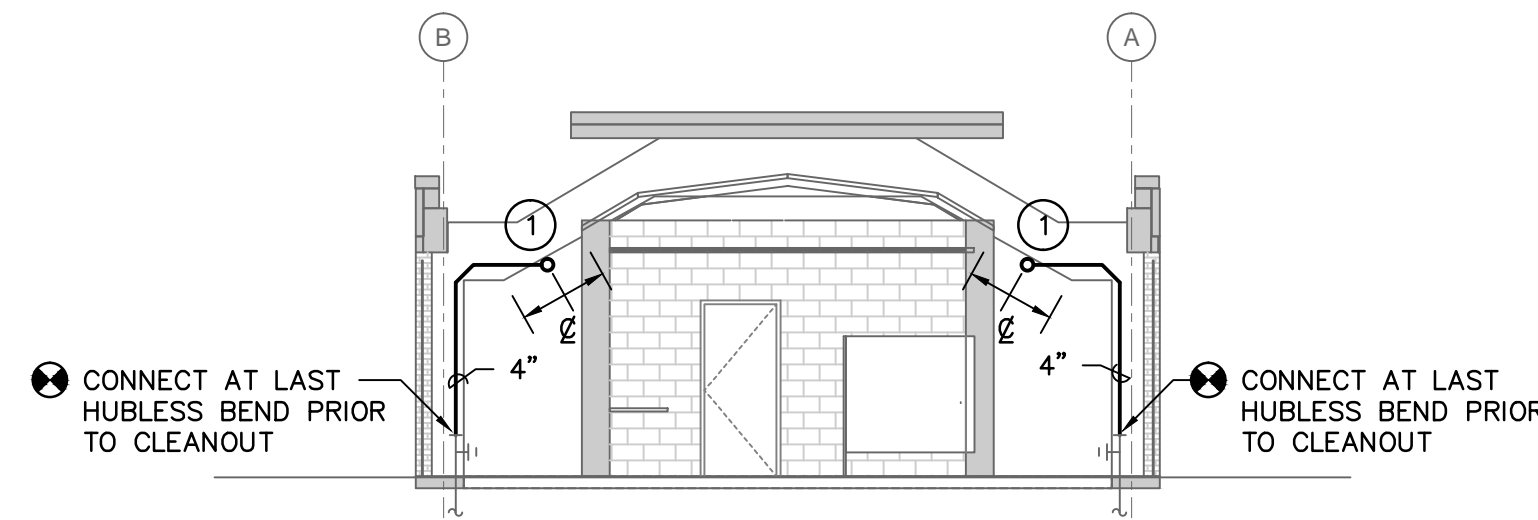
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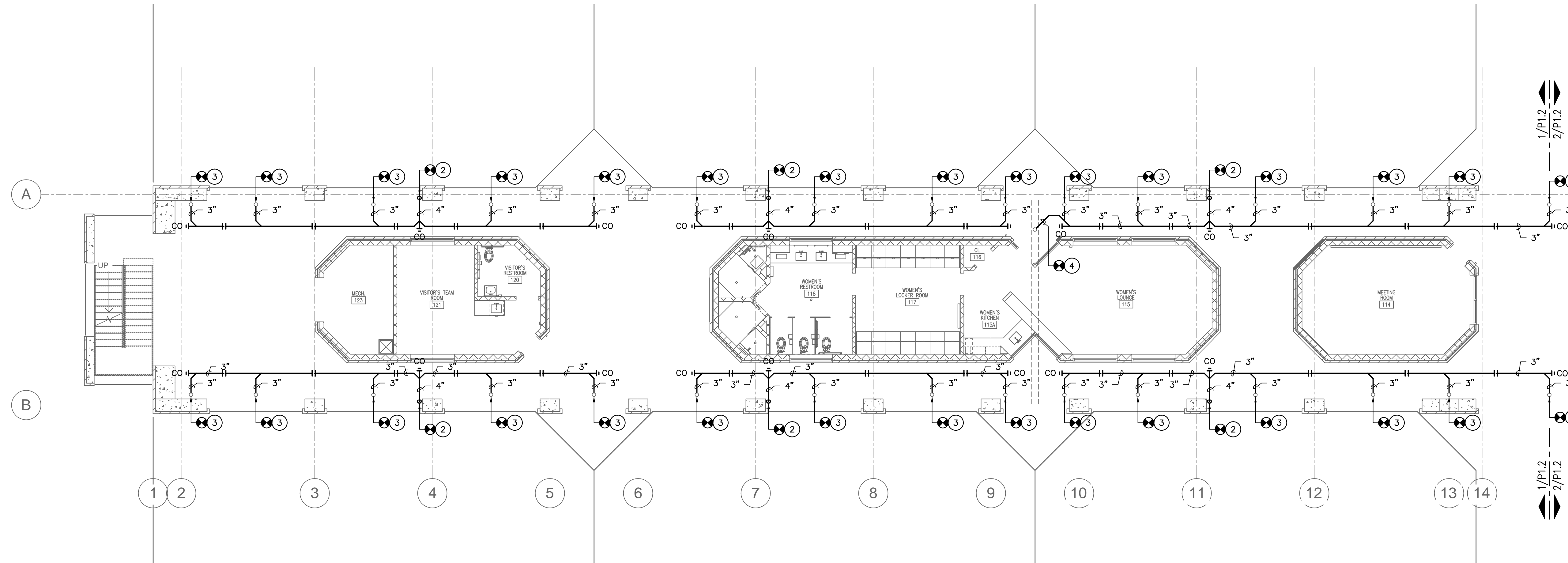
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NOTES TO SHEET

- 1 MAINTAIN HORIZONTAL STORM DRAIN LINE AS TIGHT AS POSSIBLE TO EXISTING CONCRETE STRUCTURE AT END OF LINE. SLOPE AT 1/8" PER FOOT FROM THERE. PIPING SHALL BE LOCATED AT APPROXIMATE MIDPOINT BETWEEN BUILDING AND ANGLED STRUCTURE.
- 2 4" DOWN AND CONNECT TO EXISTING STORM DRAIN LINE BEFORE EXISTING CLEANOUT.
- 3 3" UP TO DRAIN.
- 4 3" - EXTEND AND CONNECT TO EXISTING DRAIN PIPE AT METAL EXPANSION JOINT.

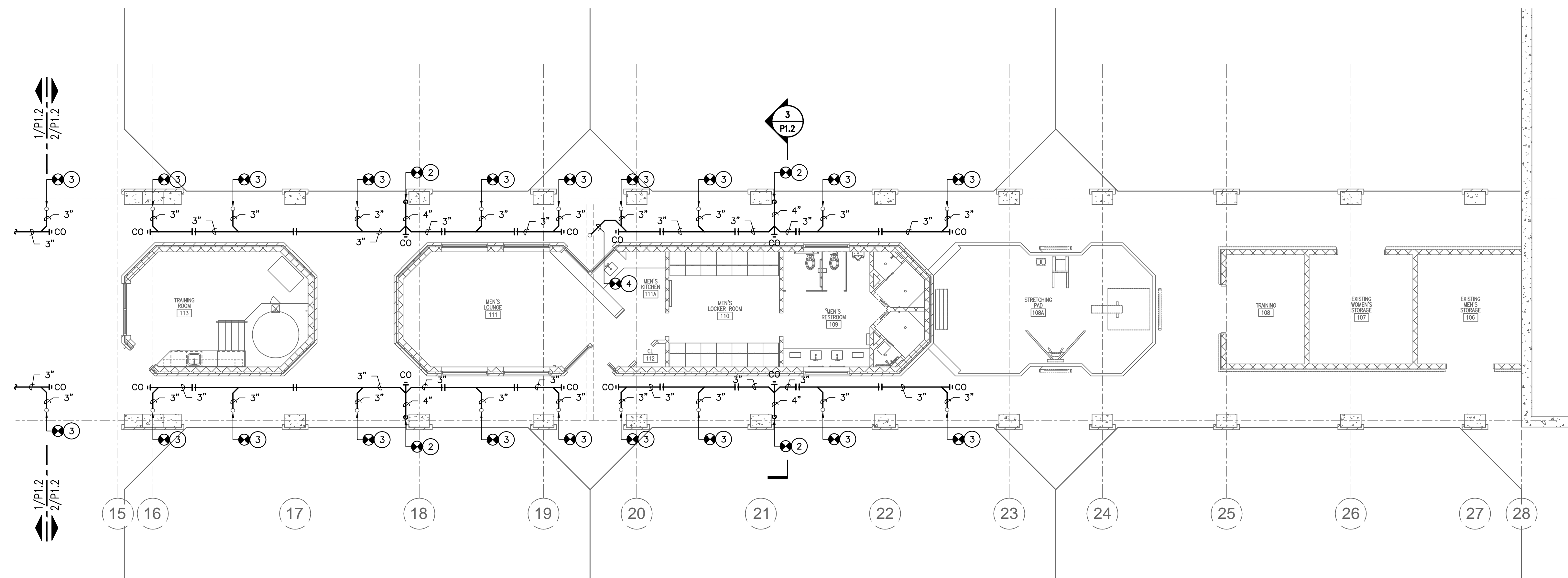


3 SECTION
SCALE: 1/8" = 1'-0"



1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE:
SEE NOTE ON SHEET
PD1.1 FOR ADDITIONAL
INFORMATION.

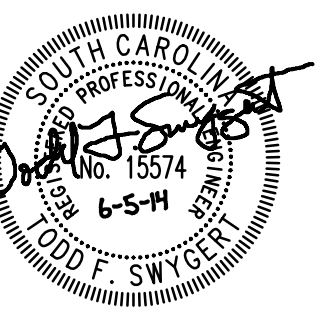


2 FLOOR PLAN
SCALE: 1/8" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

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Scale	1/8" = 1'-0"
Drawn By	DEM
Checked By	TFS
State Project #.	H27-6102-MJ

FLOOR PLANS - STORM DRAINAGE PIPING

SHEET NO.

P1.2

Swygert & Associates
CONSULTING ENGINEERS

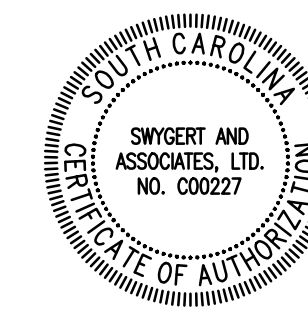
DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
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Columbia, S.C. 29211 mail@swygert-associates.com



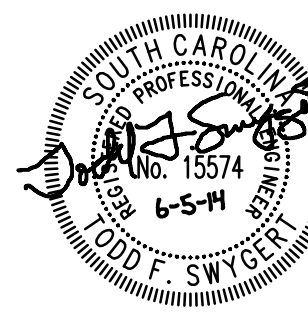
NOTES TO SHEET

- 1 PIPING BETWEEN BUILDINGS SHALL BE FREEZE PROTECTED, INSULATED, AND PROTECTED WITH METAL JACKET. SEE SPECIFICATIONS. ALL PIPING BETWEEN BUILDINGS SHALL BE INSTALLED AS HIGH AS POSSIBLE AND WILL BE PAINTED BY OTHERS. SEE ARCHITECTURAL.
- 2 PROVIDE WATTS, OR APPROVED EQUAL, MODEL 007M1-QT 2" DOUBLE CHECK BACKFLOW PREVENTER WITH STRAINER IN VERTICAL RISER AND SHUTOFF VALVE BEFORE BACKFLOW PREVENTER.

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY
OF SOUTH
CAROLINA

ATHLETIC
VILLAGE
TENNIS
COMPLEX
ADDITION

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COLUMBIA, SC 29201

BID DOCUMENTS

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REVISIONS	
NO.	DATE

SHEET INFORMATION	
Date	06.05.2014
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	DEM
Checked By	TFS
State Project #.	H27-6102-MJ

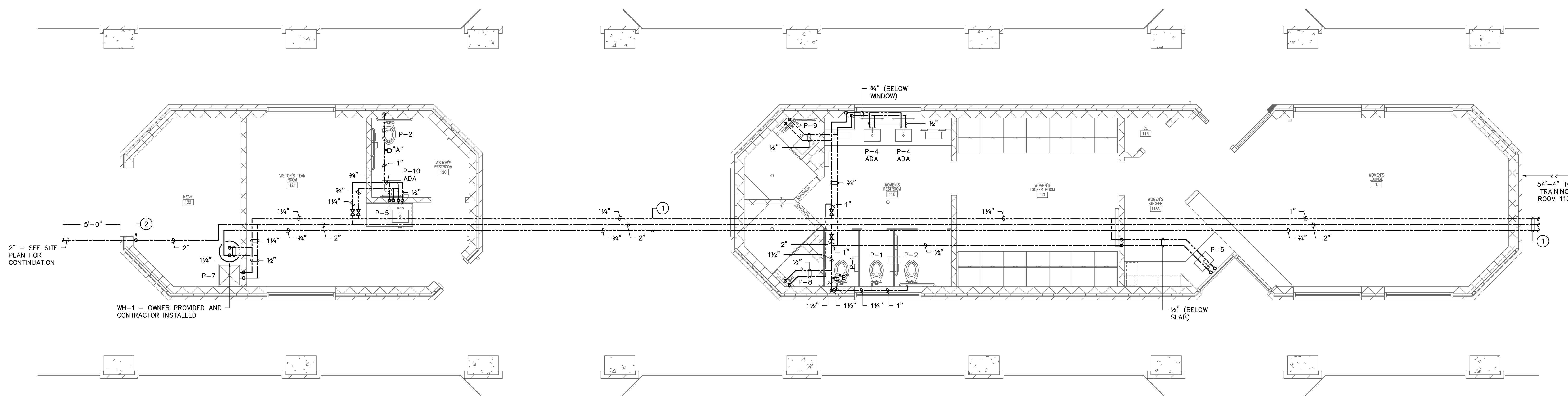
FLOOR PLANS
- SUPPLY
PIPING

SHEET NO.

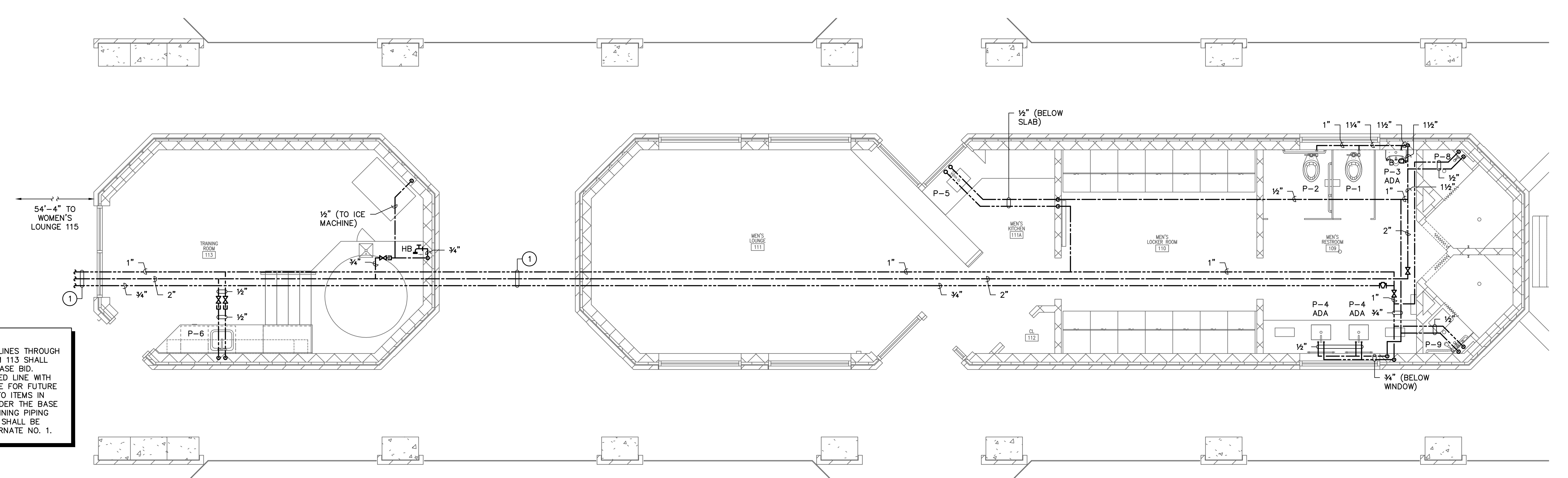
P2.1

Swygart & Associates
CONSULTING ENGINEERS

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1 FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 FLOOR PLAN
SCALE: 1/4" = 1'-0"

N:\PROJECTS\13465\DRAWINGS\PLUM\13465-P2_1.dwg

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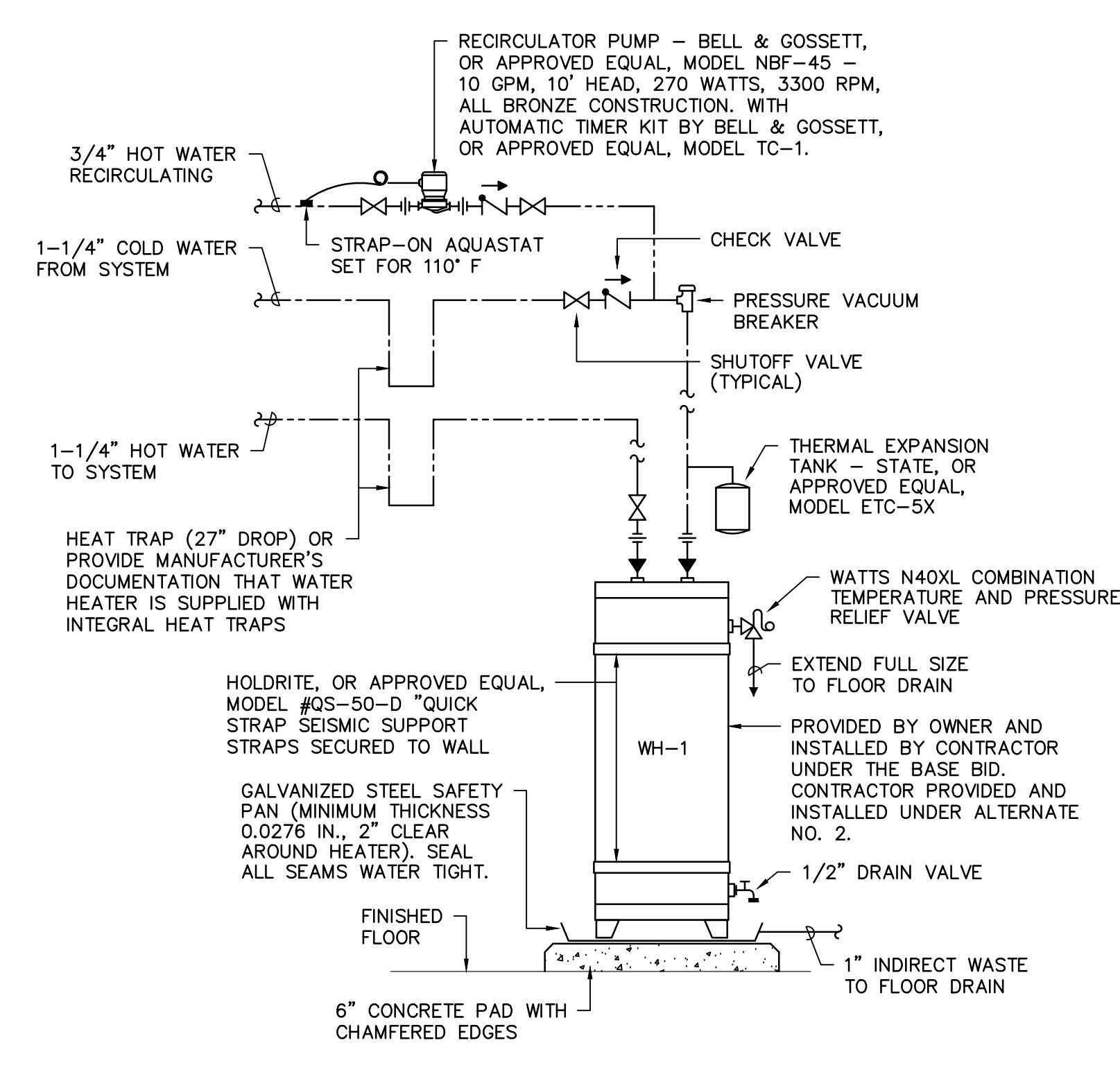
DETAILS, NOTES, SCHEDULE, AND LEGEND

GENERAL NOTES	
1.	ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2012 INTERNATIONAL PLUMBING CODE.
2.	SEE SITE PLAN FOR CONTINUATION OF UTILITIES.
3.	ALL CONNECTIONS WITH SITE AT 5'-0" FROM BUILDING SHALL BE MADE BY THIS CONTRACTOR. THIS CONTRACTOR SHALL ALSO PROVIDE ALL NECESSARY TRANSITIONS IN PIPE SIZE AND/OR MATERIALS.
4.	DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
5.	EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS NOTED OTHERWISE, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
6.	VENTS SHALL BE COLLECTED ABOVE THE CEILING AND EXTENDED THROUGH THE ROOF AS A SINGLE VENT AS INDICATED.
7.	COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
8.	PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
9.	ALL HOSE BIBBS AND VALVES WITH THREADED HOSE CONNECTIONS SHALL BE EQUIPPED WITH A WATTS REGULATOR COMPANY, NO. NFB BACK-SIPHONAGE, BACKFLOW PREVENTER.
10.	EXPOSED WASTE AND WATER PIPING UNDER LAVATORIES MARKED "ADA" SHALL BE INSULATED WITH HANDI LAV-GUARD KIT MODEL NUMBER 102W AS MANUFACTURED BY TRUEBRO, INC., OR APPROVED EQUAL.
11.	STORM DRAINAGE PIPING SHALL PITCH A MINIMUM OF 1/8"-INCH PER FOOT.
12.	ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.
13.	EXISTING SLAB SHALL BE "SAW-CUT" FOR INSTALLATION OF NEW SEWER LINES. THIS CONTRACTOR SHALL PATCH AND FILL FOR CONCRETE FINISH BY OTHERS.
14.	COORDINATE WITH STRUCTURAL PLANS FOR STEPPED FOOTINGS. WHEN PIPING PASSES THROUGH A FOUNDATION WALL, OR UNDER A FOOTING, A RELIEVING ARCH OR PIPE SLEEVE, TWO SIZES LARGER, SHALL BE INSTALLED.

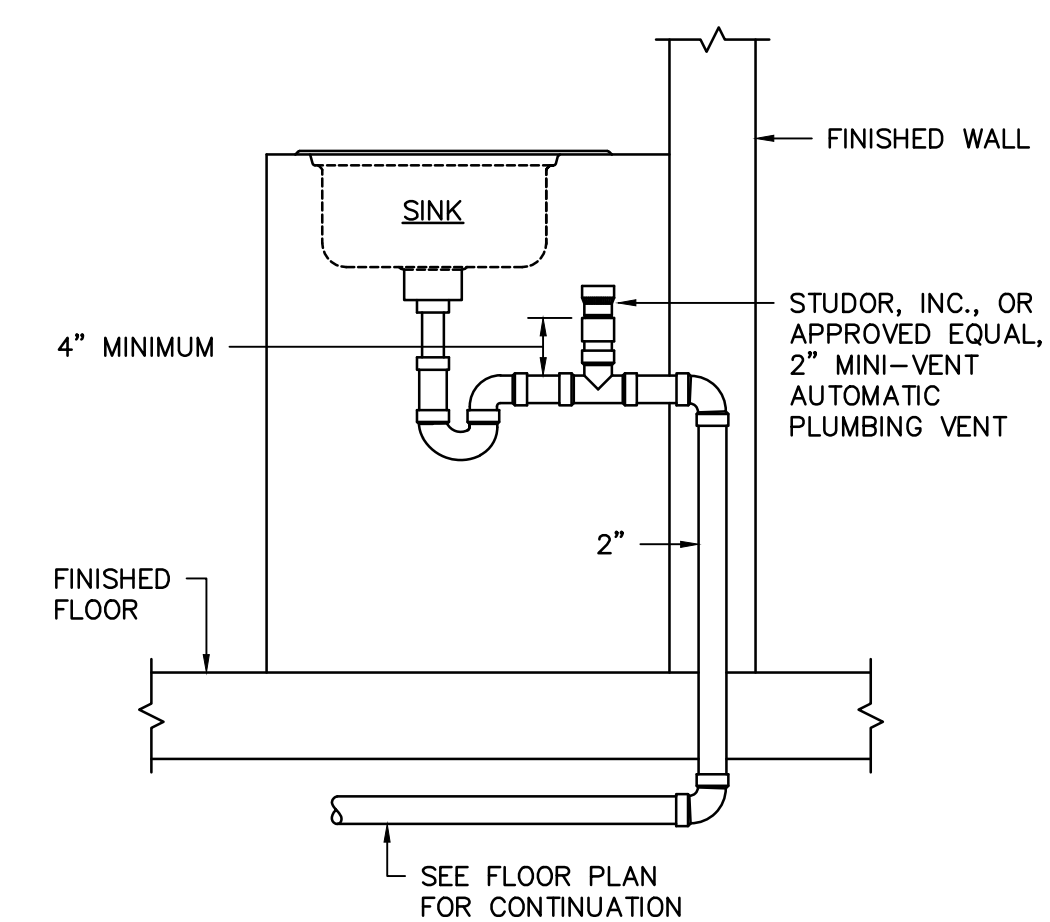
LEGEND	
SYMBOL	DESCRIPTION
	SANITARY WASTE LINE
	SANITARY VENT LINE
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	DOMESTIC HOT WATER RECIRCULATING LINE
	STORM DRAIN LINE
	SHUTOFF VALVE
	BALANCING VALVE
	SHOCK ARRESTOR (P.D.I. RATING OF "A")
	PIPE TURNS TO, AWAY
	FLOOR CLEANOUT
	CLEANOUT
	FLOOR DRAIN
	HOSE BIBB
	FIXTURE FOR USE ACCORDING TO THE AMERICANS WITH DISABILITIES ACT
	AUTOMATIC PLUMBING VENT
	VENT THROUGH ROOF
	CONNECTION POINT OF NEW TO EXISTING

PLUMBING FIXTURE SCHEDULE								
P. NO.	FIXTURE	MFR.	NAME	MFRS. NO.	SIZE	MIN. SUPPLY		REMARKS
						CW	HW	
P-1	WATER CLOSET *	KOHLER	WELLWORTH	K-4406	---	1"	---	WITH SLOAN MODEL 111-1.28 FLUSH VALVE, BENEKE 527 SEAT, AND BOLT CAPS.
P-2	ACCESSIBLE WATER CLOSET *	KOHLER	HIGHLINE	K-4405	---	1"	---	WITH SLOAN MODEL 111-1.28 FLUSH VALVE, BENEKE 527 SEAT, AND BOLT CAPS.
P-3	URINAL *	KOHLER	DEXTER	K-5016-ET	---	3/4"	---	WITH SLOAN MODEL 188-0.5-XL FLUSH VALVE, AND CHAIR CARRIER.
P-4	LAVATORY	KOHLER	VERTICYL	K-2882	17 1/4"x13"	3/8"	3/8"	UNDERCOUNTER MOUNTED WITH KOHLER K-942-4 FAUCET WITH POP-UP DRAIN, MCGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8872 1-1/4" P-TRAP. TO BE PROVIDED BY PLUMBING CONTRACTOR UNDER ALTERNATE NO. 1.
P-5	SINK	KOHLER	KATHRYN	K-2330	17"x13"	3/8"	3/8"	UNDERCOUNTER MOUNTED WITH KOHLER K-7507 FAUCET, MCGUIRE 155A GRID DRAIN, MCGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8872 1-1/4" P-TRAP. TO BE PROVIDED BY PLUMBING CONTRACTOR UNDER ALTERNATE NO. 1.
P-6	SINK	ELKAY	LUSTERTONE	LRAD-2219-65	22"x19 1/2"	1/2"	1/2"	WITH SPEAKMAN MODEL SC-3004-LD FAUCET, LK-35 CUP STRAINER, MCGUIRE H2167 1/2" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8912 1-1/2" P-TRAP. TO BE PROVIDED BY PLUMBING CONTRACTOR UNDER ALTERNATE NO. 1.
P-7	JANITOR'S SINK	STERN WILLIAMS	HILOW	HL-1900-BP	32"x32"	1/2"	1/2"	WITH SPEAKMAN MODEL SC-5811-RCP FAUCET, STAINLESS STEEL BACK PANELS, AND STAINLESS STEEL GRID DRAIN.
P-8	SHOWER	ZURN	TEMP-GARD	Z7121-SS-LH	---	1/2"	1/2"	WITH INTEGRAL SERVICE STOPS.
P-9	ACCESSIBLE SHOWER	ZURN	TEMP-GARD	Z7121-SS-LH-DV2P-HW	---	1/2"	1/2"	WITH HANDHELD SHOWER, SLIDE BAR, AND INTEGRAL SERVICE STOPS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF CONTROLS AND SPRAY HEADS.
P-10	LAVATORY	KOHLER	KINGSTON	K-2005	21 1/4"x18 1/2"	3/8"	3/8"	WITH DELTA MODEL 501F-HDF FAUCET, MCGUIRE 155A GRID DRAIN, MCGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8872 1-1/4" P-TRAP. MOUNT PER ADA REQUIREMENTS.
WH-1	WATER HEATER	STATE	SANDBLASTER	CSB-120-9-SFE	120 GALLONS	1-1/4"	1-1/4"	WITH 9 KW INPUT. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS. TO BE PROVIDED BY PLUMBING CONTRACTOR UNDER ALTERNATE NO. 2.
FD	FLOOR DRAIN	ZURN	---	ZN-415-B	---	---	---	WITH 5" ROUND NICKEL BRONZE STRAINER, P-TRAP, AND TRAP GUARD BY PROSET, OR APPROVED EQUAL.
FS	FLOOR SINK	ZURN	---	Z-1900-2	---	---	---	WITH 12"x12" HALF GRATE.

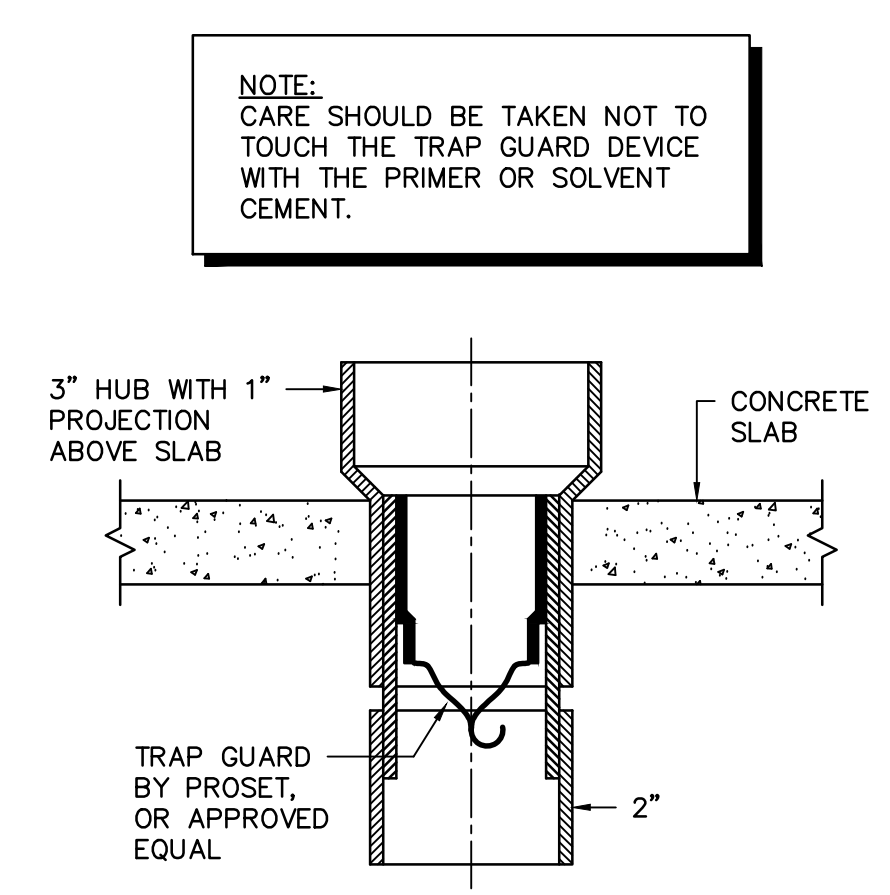
* FIXTURE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL VALVES, SEATS, ETC.



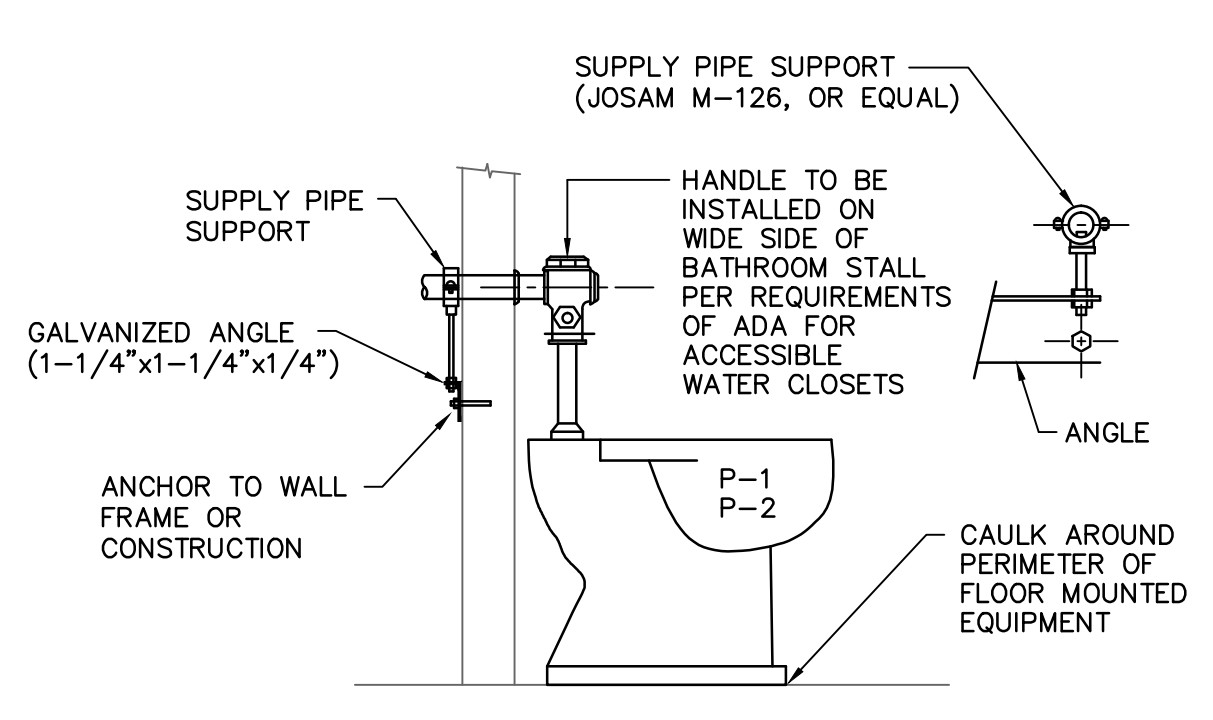
WATER HEATER PIPING DETAIL
NO SCALE



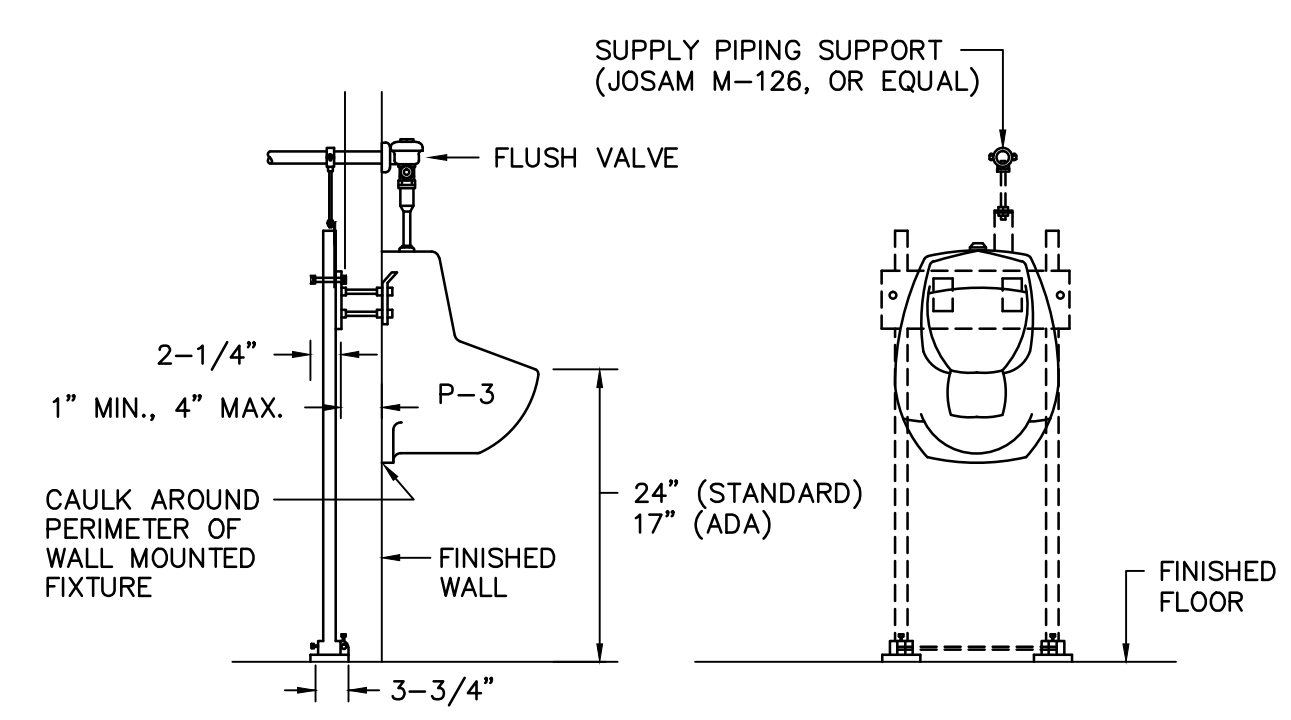
AUTOMATIC PLUMBING VENT
NO SCALE



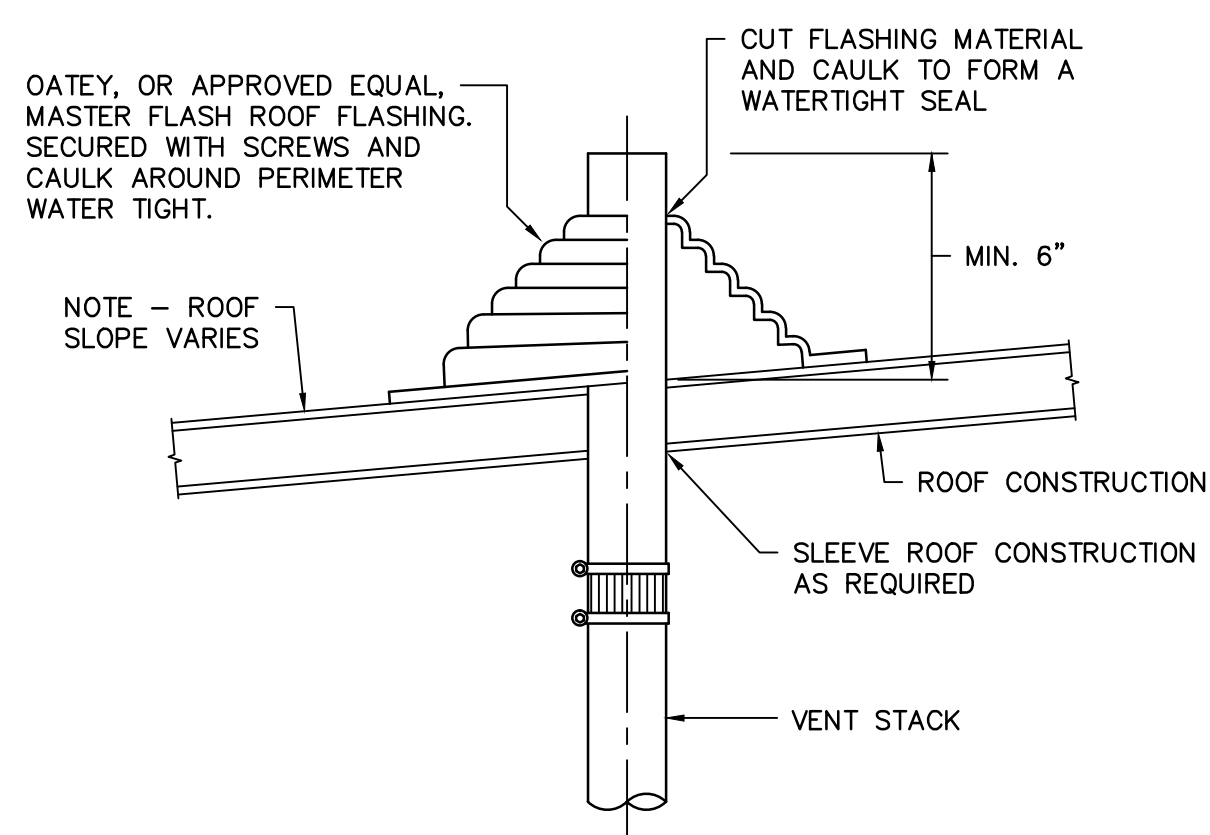
HUB DRAIN DETAIL
NO SCALE



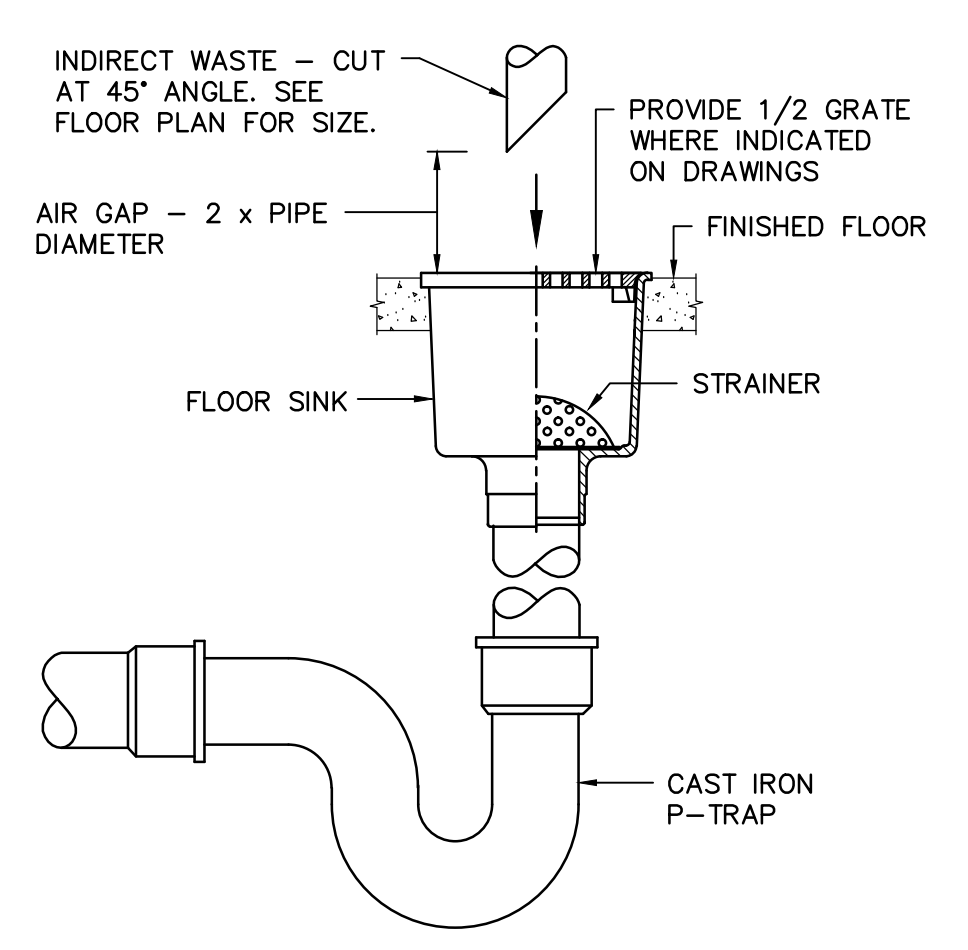
WATER CLOSET SUPPLY DETAIL
NO SCALE



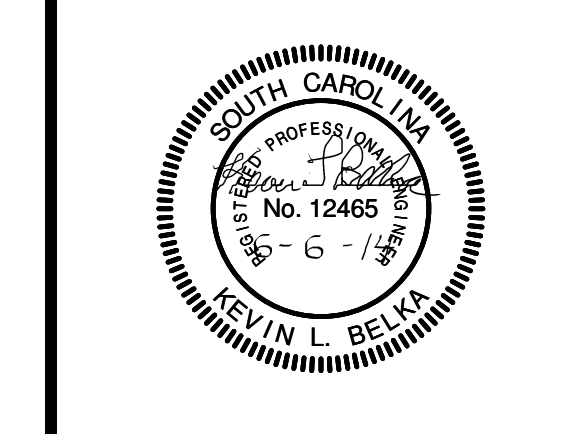
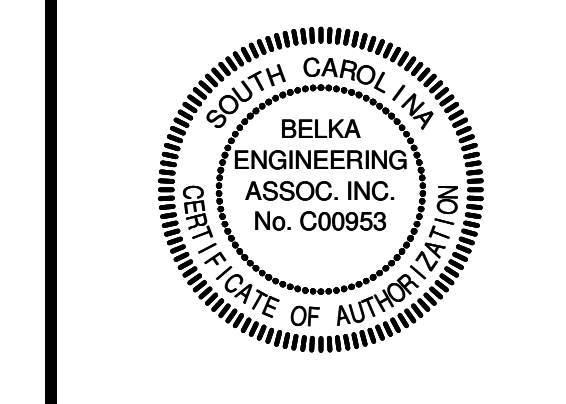
TYPICAL URINAL SUPPORT
NO SCALE



VENT THROUGH ROOF DETAIL
NO SCALE



FLOOR SINK DETAIL
NO SCALE



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REVISIONS	
NO	DATE

SHEET INFORMATION	
Date	06/06/14
Project No.	12.130.09
Scale	NOT TO SCALE
Drawn By	ZES
Checked By	CES
State Project #.	H27-6102-AU

LIGHTING FIXTURE SCHEDULE							
Symbol	Type Mark	Description	Manufacturer	Model	Optical Element	Mounting	Voltage
◻	A	2"x4" RECESSED INDIRECT FLUORESCENT TROFFER, 2 LAMPS	H.E. WILLIAMS	DIG-S24-232-WPR-EB2-UNV	PERFORATED METAL LOUVER	GRID	120 V
○	B	6" DIAMETER FLUORESCENT DOWNLIGHT	PATHWAY	6HF 226Q E4/6HF2	NONE	RECESSED	120 V
— —	C	4" FLUORESCENT STRIP FIXTURE, WIRE GUARD	H.E. WILLIAMS	76-4-232-EB2-UNV-WG-761	NONE	CEILING	120 V
○	D	6" DIAMETER LED DOWNLIGHT, DIMMABLE	PATHWAY	6VLED 1100 35K	ACRYLIC LENS	RECESSED	120 V
◻	E	EXISTING FIXTURE TO REMAIN IN PLACE. CLEAN AND PROVIDE NEW FLUORESCENT LAMPS. LOW MERCURY 35K TYPE LAMPS.					120 V
○	F	4" DIAMETER FLUORESCENT SHOWER DOWNLIGHT	PATHWAY	4VF 118T E4/4VFWL SCLPF	POLYCARBONATE LENS	RECESSED	120 V
⊗	G	4" DIAMETER LED CYLINDER DOWNLIGHT	EUREKA	4044 LED.8.30.48 120V AC BLKA	NONE	PENDANT 9"6 AFF (BOF)	120 V
⊗	H	PENDANT FIXTURE (LARGE) FLUORESCENT	SITEMALUX	0991-FL18-UNV	GLASS DIFFUSER	PENDANT 7'0 AFF (BOF)	120 V
⊗	HA	LED PENDANT FIXTURE (SMALL) FLUORESCENT	SITEMALUX	0894-01	GLASS DIFFUSER	PENDANT 6'0 AFF (BOF)	120 V
⊗	RR	EXISTING FIXTURE TO BE RELOCATED. CLEAN AND PROVIDE NEW FLUORESCENT LAMPS. LOW MERCURY 35K TYPE LAMPS.					120 V
⊗	X	LED EXIT SIGN, THERMOPLASTIC HOUSING, AC TYPE	PATHWAY	PXUR-DL	NONE	CEILING	120 V
⊗	XA	EXIT SIGN, WET LOCATION, AC TYPE	KENALL	METDU MB R DT	NONE	CEILING/STEM	120 V

WIRE/CONDUIT SCHEDULE			
ID	WIRE	CONDUIT	
1	2#12, 1#12 GND.	3/4"	
2	3#12, 1#12 GND.	3/4"	
3	4#12, 1#12 GND.	3/4"	
4	2#10, 1#10 GND.	3/4"	
5	3#10, 1#10 GND.	3/4"	
6	4#10, 1#10 GND.	3/4"	
7	2#8, 1#10 GND.	3/4"	
8	3#8, 1#10 GND.	1"	
9	4#8, 1#10 GND.	1"	
10	3#6, 1#8 GND.	1"	
11	4#6, 1#8 GND.	1-1/4"	
12	3#4, 1#8 GND.	1-1/4"	
13	4#4, 1#8 GND.	1-1/4"	
14	3#5, 1#8 GND.	1-1/4"	
15	4#5, 1#8 GND.	1-1/2"	
16	3#2, 1#6 GND.	1-1/2"	
17	4#2, 1#6 GND.	1-1/2"	
18	3#1, 1#6 GND.	1-1/2"	
19	4#1, 1#6 GND.	2"	
20	3 #1/0, 1#6 GND.	2"	
21	4 #1/0, 1#6 GND.	2"	
22	3 #2/0, 1#6 GND.	2"	
23	4 #2/0, 1#6 GND.	2"	
24	3 #3/0, 1#6 GND.	2"	
25	4 #3/0, 1#6 GND.	2-1/2"	
26	3 #4/0, 1#4 GND.	2-1/2"	
27	4 #4/0, 1#4 GND.	2-1/2"	
28	3-250KCMIL, 1#4 GND.	2-1/2"	
29	4-250KCMIL, 1#4 GND.	3"	
30	3-350KCMIL, 1#5 GND.	3"	
31	4-350KCMIL, 1#5 GND.	3"	
32	3-500KCMIL, 1#5 GND.	3"	
33	4-500KCMIL, 1#5 GND.	4"	
34	3-600KCMIL, 1#2 GND.	3-1/2"	
35	4-600KCMIL, 1#2 GND.	4"	
36	3-750KCMIL, 1#2 GND.	4"	
37	4-750KCMIL, 1#2 GND.	5"	

ALL OTHER CIRCUITS SHALL BE 2#12, 1#12 GND., 3/4"C., UNLESS NOTED.

DISCONNECT SWITCH SCHEDULE				
ID	AMPS	POLES	VOLTAGE	NEMA ENCLOSURE
1	30	2	208V	1
2	30	2	208V	3R
3	30	3	208V	1
4	30	3	208V	3R
5	60	3	208V	1
6	60	3	208V	3R
7	100	3	208V	1
8	100	3	208V	3R
9	200	3	208V	1
10	200	3	208V	3R

ALL SWITCHES SHALL BE GENERAL DUTY TYPE, FUSIBLE UNLESS NOTED WITH "NF" (NON-FUSIBLE)

◻ DENOTES DISCONNECT SWITCH INTEGRAL WITH MECHANICAL EQUIPMENT.

ELECTRICAL ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIU	ADDRESSABLE INTERFACE UNIT
AL	ALUMINUM
BEC	BY ELECTRICAL CONTRACTOR
BGC	BY GENERAL CONTRACTOR
BOF	BOTTOM OF FIXTURE
C	CONDUIT
CU	COPPER
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
GFI	GROUND FAULT INTERRUPTER
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
MB	MAIN BREAKER
MD	MOTOR DAMPER
MH	MOUNTING HEIGHT
MLO	MAIN LUGS ONLY
NCE	NOT CONCRETE ENCASED
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSIBLE
NIC	NOT IN CONTRACT
PV	POST INDICATING VALVE
SD	SMOKE DAMPER
SW	SWITCH
TOB	TOP OF BOX
TOF	TOP OF FIXTURE
UC	UNDERCOUNTER
WP	WEATHERPROOF

LIGHTING CONTROL SCHEDULE	
◇	TRADITIONAL SWITCHING WITH SINGLE POLE SWITCH. NO AUTOMATIC SHUT OFF.
◇	OCCUPANCY SENSOR CONTROL AND NO WALL SWITCHES. 30 MINUTE AUTOMATIC SHUT OFF.
◇	OCCUPANCY SENSOR CONTROL WITH WALL SWITCHES/DIMMERS.

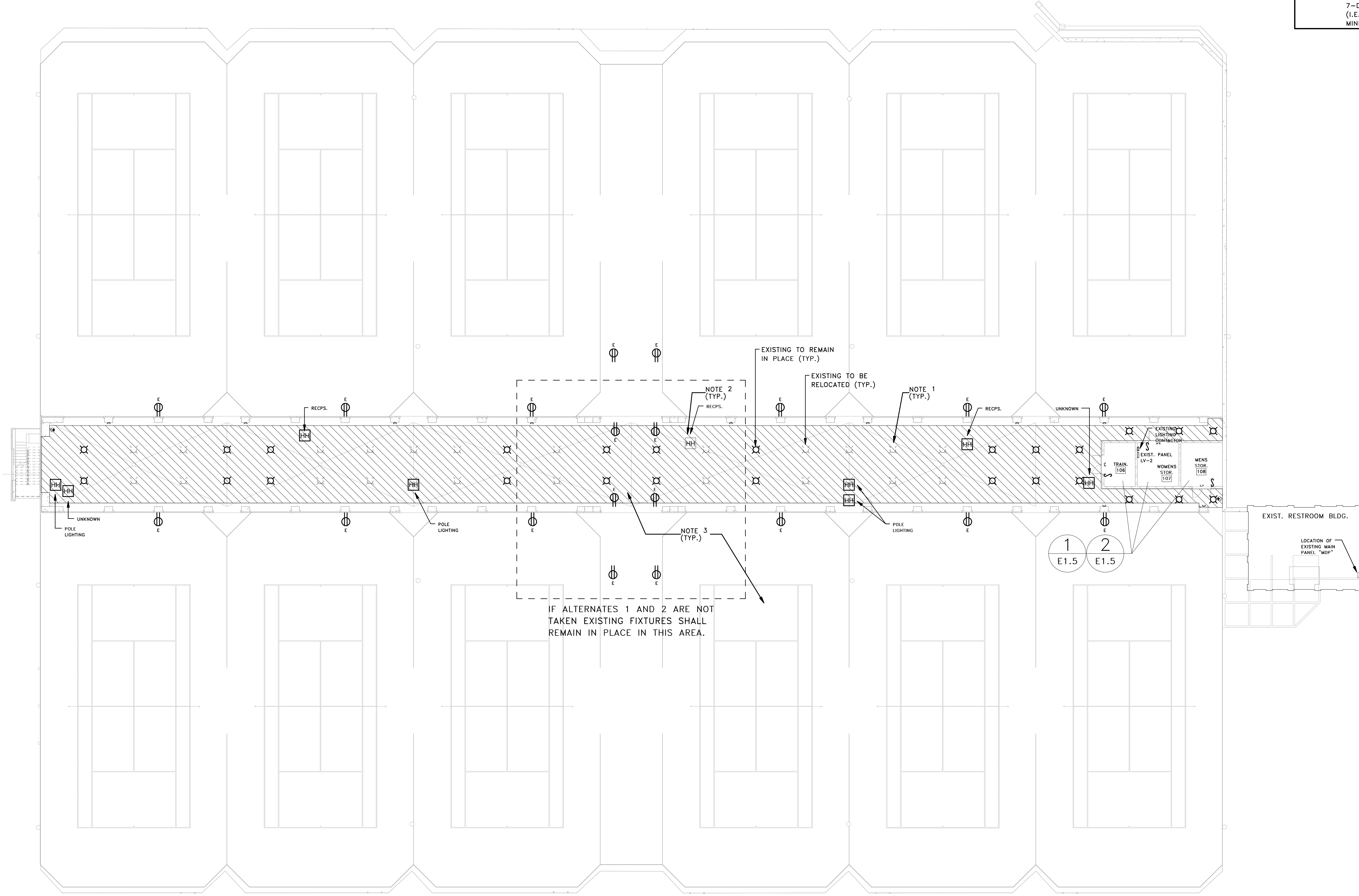
ELECTRICAL SYMBOL LEGEND	
◻ ○	LIGHTING FIXTURES (SEE LIGHTING FIXTURE SCHEDULE) (LETTER DENOTES TYPE, NUMBER DENOTES CIRCUIT)
◻ ○	LIGHTING FIXTURES WITH BATTERY BACKED CIRCUIT POWER
⊗ ○	EXIT SIGN, SINGLE OR DOUBLE FACED, CEILING OR WALL MOUNTED, BATTERY BACKED
⊗	SINGLE POLE SWITCH, FLUSH MOUNTED IN WALL AT 48" AFF T.O.B. (LETTER DENOTES SWITCH/LEG)
⊗	THREE WAY SWITCH FLUSH MOUNTED IN WALL AT 48" AFF T.O.B.
⊗	DIMMER SWITCH FLUSH MOUNTED IN WALL AT 48" AFF T.O.B.
⊗	NIGHT LIGHT (NO LOCAL SWITCHING)
⊗	DUAL-TECHNOLOGY OCCUPANCY SENSOR, UNLESS NOTED OTHERWISE (WAITSTOPPER# DT-200/BZ-50 OR APPROVED EQUAL), CEILING OR WALL MOUNTED CLOSE TO CEILING.
⊗	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 48" AFF (NUMBER DENOTES CIRCUIT)
⊗	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPLASH (GFI = GROUND FAULT INTERRUPTER) (WF = WEATHERPROOF METALLIC "IN-USE" TYPE COVER)
⊗	20 AMP DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.
⊗	20 AMP DUPLEX RECEPTACLE WITH USB CONNECTION, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.
⊗	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
⊗	VOICE/DATA J-BOX, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH TWO CAT-6 CABLES FROM BOX TO EXISTING DATA RACK.
⊗	VOICE/DATA J-BOX, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH TWO CAT-6 CABLES FROM BOX TO EXISTING DATA RACK.
⊗	VOICE/DATA J-BOX, FLUSH MOUNTED IN CEILING OR ABOVE CEILING. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH TWO CAT-6 FROM BOX TO EXISTING DATA RACK.
⊗	JUNCTION BOX, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE (FUNCTION AS INDICATED ON PLAN)
⊗	JUNCTION BOX, FLUSH MOUNTED IN CEILING OR MOUNTED ABOVE CEILING (FUNCTION AS INDICATED ON PLAN)
⊗	ELECTRICAL PANELBOARDS, SURFACE AND FLUSH MOUNTED RESPECTIVELY
⊗	ELECTRICAL SAFETY DISCONNECT SWITCH. PROVIDE SWITCH WITH RATINGS AS INDICATED IN THE DISCONNECT SWITCH SCHEDULE SHOWN ON THIS SHEET. SURFACE MOUNT SWITCH ON WALL OR EQUIPMENT AT LOCATION WHERE SWITCH HAS PROPER CLEARANCE IN ACCORDANCE WITH NEC.
⊗	WIRE/CONDUIT NOTATION (SEE SCHEDULE ON THIS SHEET)
⊗	ELECTRICAL CONNECTION TO A MOTOR, OR TO MOTOR DRIVEN EQUIPMENT
⊗	MOTOR RATED SNAP SWITCH IN NEMA 1 ENCLOSURE
⊗	CONTROL STATION (FUNCTION AS INDICATED ON PLAN), FLUSH MOUNT IN WALL AT 48" AFF T.O.B.
⊗	LIGHTING CONTROL SCHEME MARK, SEE SCHEDULE
⊗	HAND HOLE, FLUSH WITH FINISHED FLOOR
⊗	CARD READER, SEMI FLUSH MOUNTED IN WALL 48" AFF T.O.B.

MOUNTING HEIGHTS INDICATED IN THIS LEGEND SHALL BE TO CENTERLINE OF DEVICE BOX. ALL SWITCHES AND PULL STATIONS SHALL BE INSTALLED TO BE 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.

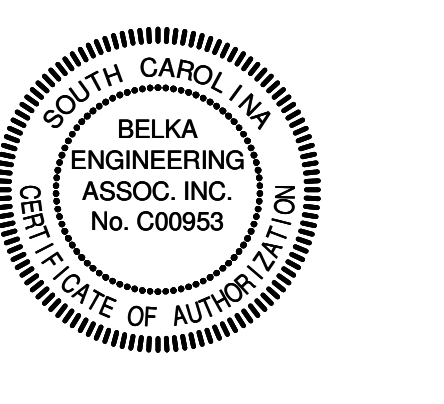
ELECTRICAL DRAWING INDEX	
E0.1	ELECTRICAL SYMBOL LEGEND & SCHEDULES
E0.2	OVERALL ELECTRICAL DEMOLITION PLAN
E1.1	OVERALL ELECTRICAL PLANS
E1.2	VISITOR'S & WOMEN'S TEAM ROOM ELECTRICAL PLANS
E1.3	MEETING & TRAINING ROOM ELECTRICAL PLANS
E1.4	MEN'S TEAM ROOM PLANS
E1.5	EXISTING TRAINING & STORAGE ROOMS ELECTRICAL PLANS
E2.1	SINGLE-LINE DIAGRAMS

ELECTRICAL DEMOLITION NOTES

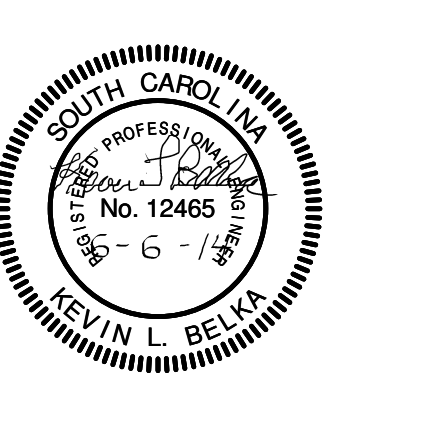
- 1 RELOCATE EXISTING LIGHTING FIXTURES TO LIGHT NEW CORRIDORS (SEE DRAWING E1.1). PER EXISTING AS-BUILT DRAWINGS, THESE FIXTURES ARE FED FROM EXISTING PANEL "LV2" IN EXISTING WOMEN'S TEAM STORAGE 107. REUSE EXISTING CIRCUITS, TIME CLOCK, AND LIGHTING CONTACTOR.
- 2 EXISTING CONCRETE SLAB SHALL BE REMOVED IN HATCHED AREA. EXISTING HANDHOLES (PURPOSE AS DENOTED) SHALL BE DEMOLISHED AND REPLACED. EXISTING CONDUCTORS AND CONDUITS LOCATED BELOW THE SLAB SHALL BE PROTECTED AS MUCH AS POSSIBLE. REPLACE ANY DAMAGED CONDUCTORS/CONDUITS AND PROVIDE NEW HANDHOLES IN NEW CONCRETE SLAB (FLUSH WITH NEW FINISHED FLOOR). RELOCATE HANDHOLES AS REQUIRED SO THEY ARE NOT IN NEW FINISHED SPACES OR NEW ROOM ENTRIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXISTING TENNIS COURT LIGHTING AND RECEPTACLES FED FROM THESE HANDHOLES TO BE OPERATIONAL AT THE CONCLUSION OF THIS CONSTRUCTION.
- 3 EXISTING ADJACENT TENNIS COURTS SHALL REMAIN IN USE BY OWNER DURING THIS RENOVATION. PROVIDE 7-DAY NOTICE TO OWNER OF ALL POWER OUTAGES (I.E. TENNIS COURT LIGHTING). STAGE WORK TO MINIMIZE OUTAGES AS MUCH AS POSSIBLE.



CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
COLUMBIA, SC 29201

RE-BID SET

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REVISIONS		
NO.	REVISION	DATE

SHEET INFORMATION	
Date	06/06/14
Project No.	12.130.09
Scale	1/16" = 1'-0"
Drawn By	ZES
Checked By	CES
State Project #.	H27-6102-MJ

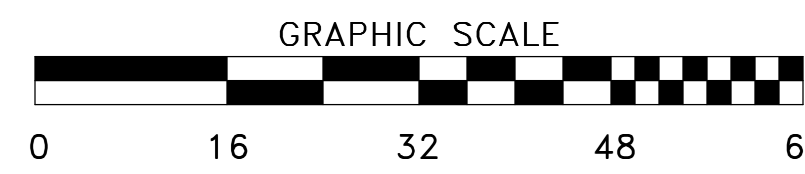
TITLE

OVERALL ELECTRICAL DEMOLITION PLAN

QU21307



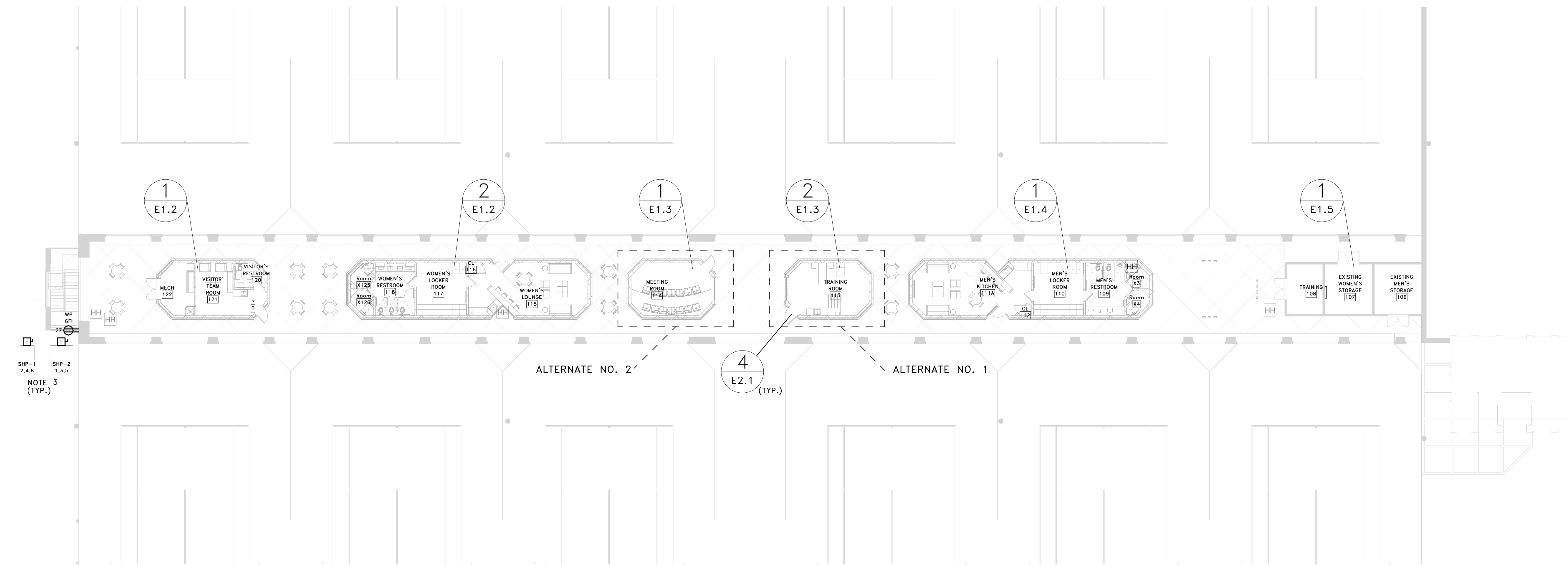
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(803) 731-0650 fax (803) 731-2880
EMAIL: CEStringfield@bellsouth.net



1 OVERALL ELECTRICAL DEMOLITION PLAN - LEVEL 1
SCALE: 1/16" = 1'-0"

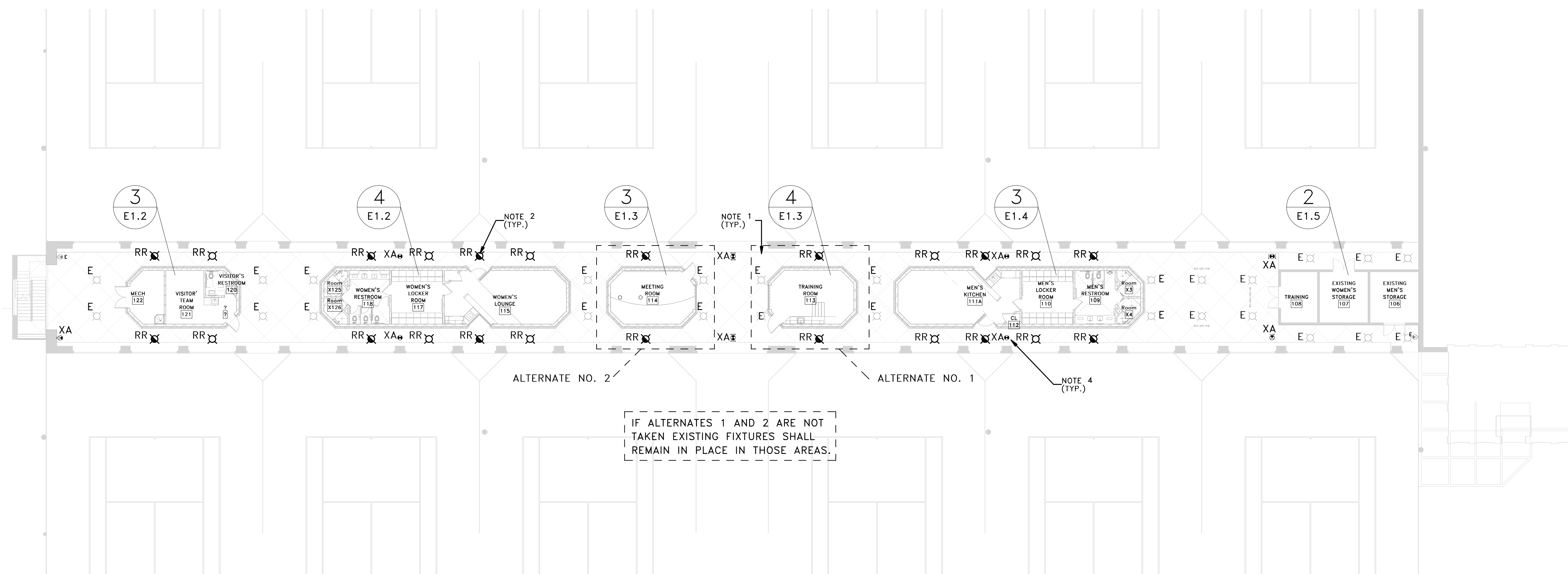
ELECTRICAL NOTES

- 1 RELOCATE EXISTING LIGHTING FIXTURES AND FEED WITH EXISTING NORMAL POWER CIRCUIT LV2-2,4 (208V). ROUTE CONDUIT IN NEAT AND ORDERLY FASHION. THESE FIXTURES SHALL BE CONTROLLED BY EXISTING TIME CLOCK LOCATED IN EXISTING WOMEN'S STORAGE 107.
- 2 RELOCATE EXISTING LIGHTING FIXTURES AND FEED WITH 20 AMP, 208V GENERATOR-BACKED CIRCUIT FROM EXISTING EMERGENCY PANEL LOCATED IN EXISTING RESTROOM BUILDING ELECTRICAL ROOM. ROUTE CONDUITS IN NEAT AND ORDERLY FASHION. THESE FIXTURES SHALL BE CONTROLLED BY EXISTING TIME CLOCK LOCATED IN EXISTING WOMEN'S STORAGE 107.
- 3 PROVIDE NEW CIRCUITS TO HVAC EQUIPMENT AND WP/GFI RECEPTACLE FED FROM NEW PANEL LV-3.
- 4 COORDINATE PENDANT MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN.



2 OVERALL ELECTRICAL PLAN

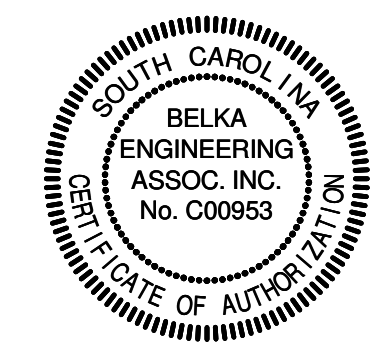
E1.1 SCALE: 1/16" = 1'-0"



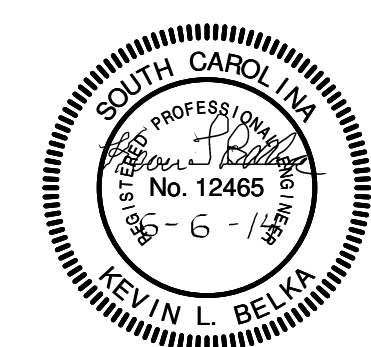
1 OVERALL LIGHTING PLAN

E1.1 SCALE: 1/16" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

1316 HEYWARD ST.
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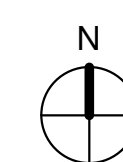
REVISIONS	
NO	DATE

SHEET INFORMATION

Date	06/06/14
Project No.	12.130.09
Scale	1/16" = 1'-0"
Drawn By	ZES
Checked By	CES
State Project #	H27-6102-AU

TITLE

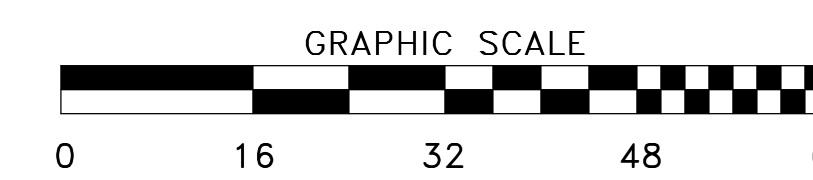
OVERALL ELECTRICAL PLANS



QU21307

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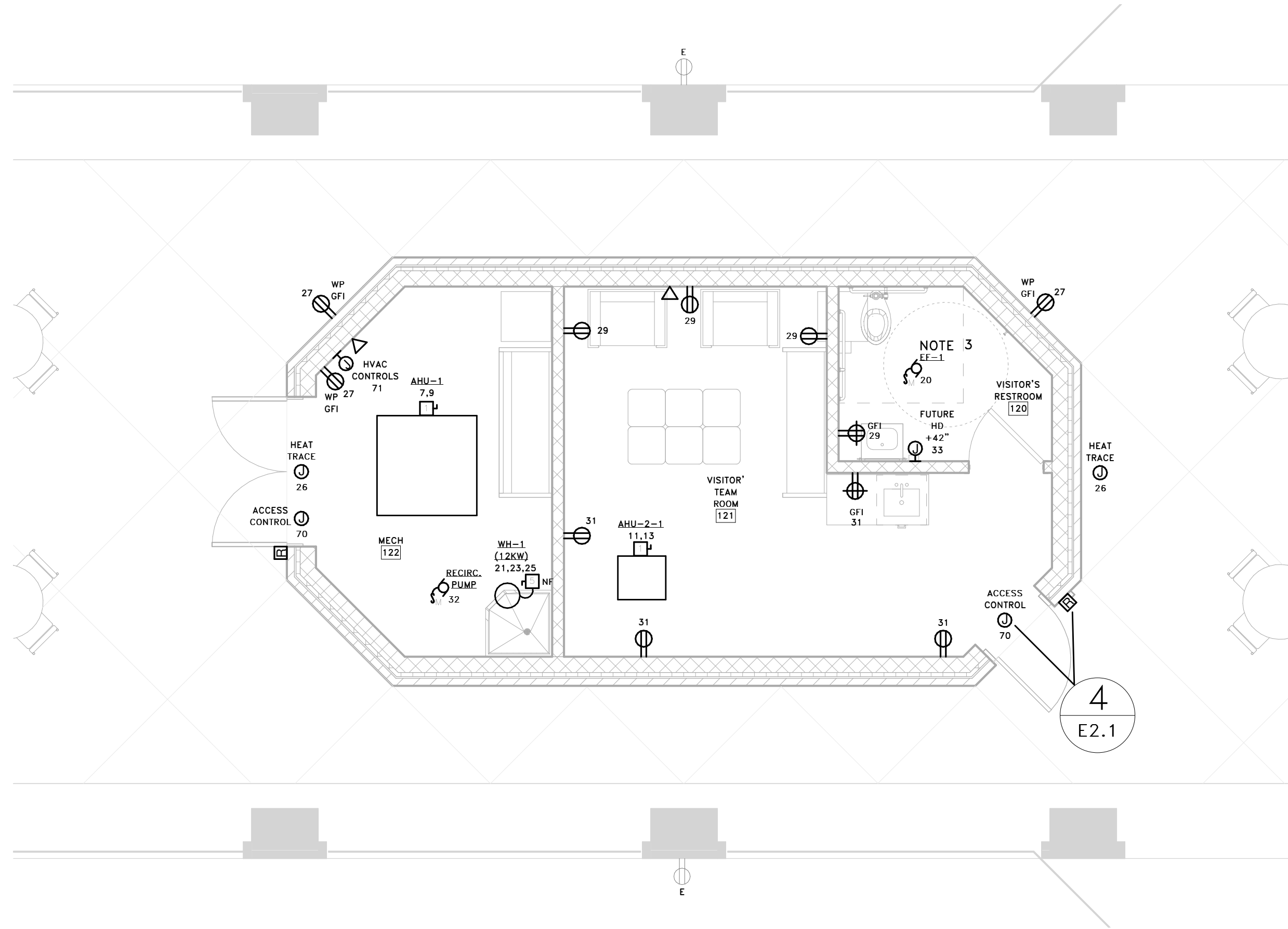


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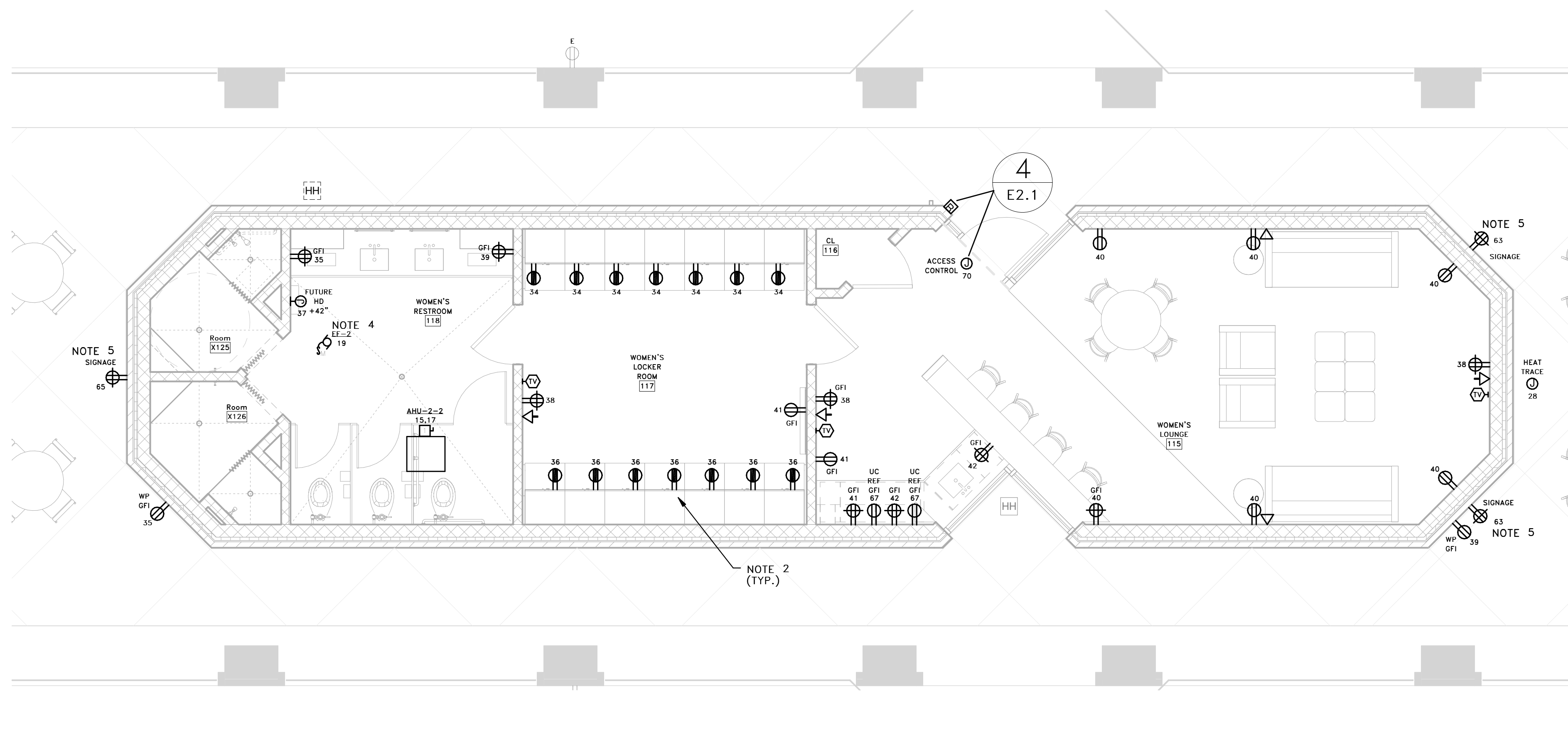
E1.1

VISITORS/WOMENS ELECTRICAL NOTES

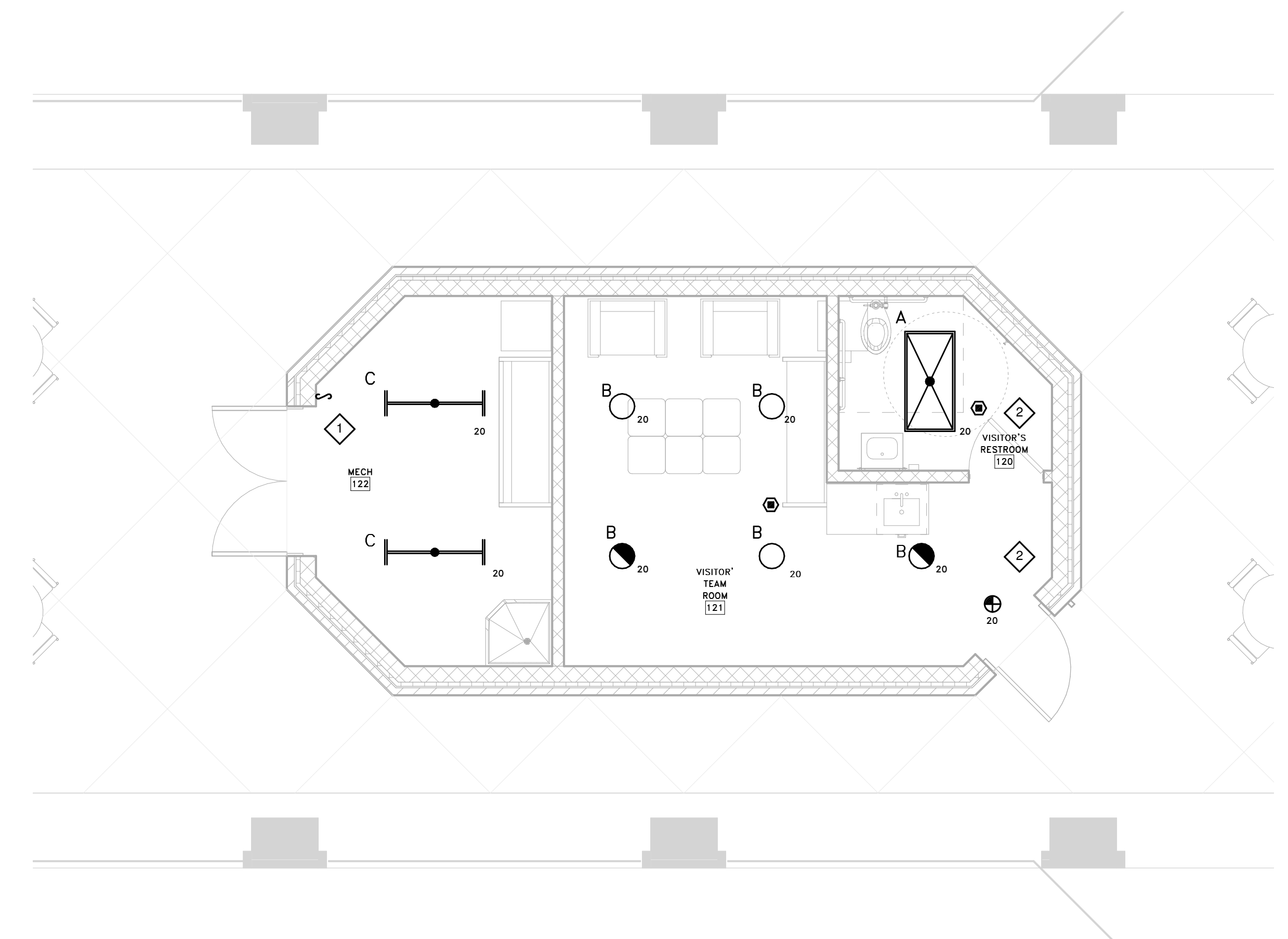
- 1 ALL RECEPTACLES AND EQUIPMENT SHOWN ON THIS DRAWING SHALL BE FED FROM PANEL "LV-3" WITH CIRCUITS AS SHOWN UNLESS NOTED OTHERWISE.
- 2 COORDINATE RECEPTACLE LOCATION IN LOCKER STRUCTURE WITH ARCHITECT/LOCKER INSTALLER.
- 3 EF-1 SHALL BE CONTROLLED SIMULTANEOUSLY WITH LIGHTING VIA OCCUPANCY SENSOR.
- 4 EF-2 SHALL BE CONTROLLED BY ENERGY MANAGEMENT SYSTEM (EMS). COORDINATE WITH MECHANICAL CONTRACTOR.
- 5 COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF DUPLEX RECEPTACLE WITH ARCHITECT BEFORE ROUGH-IN.



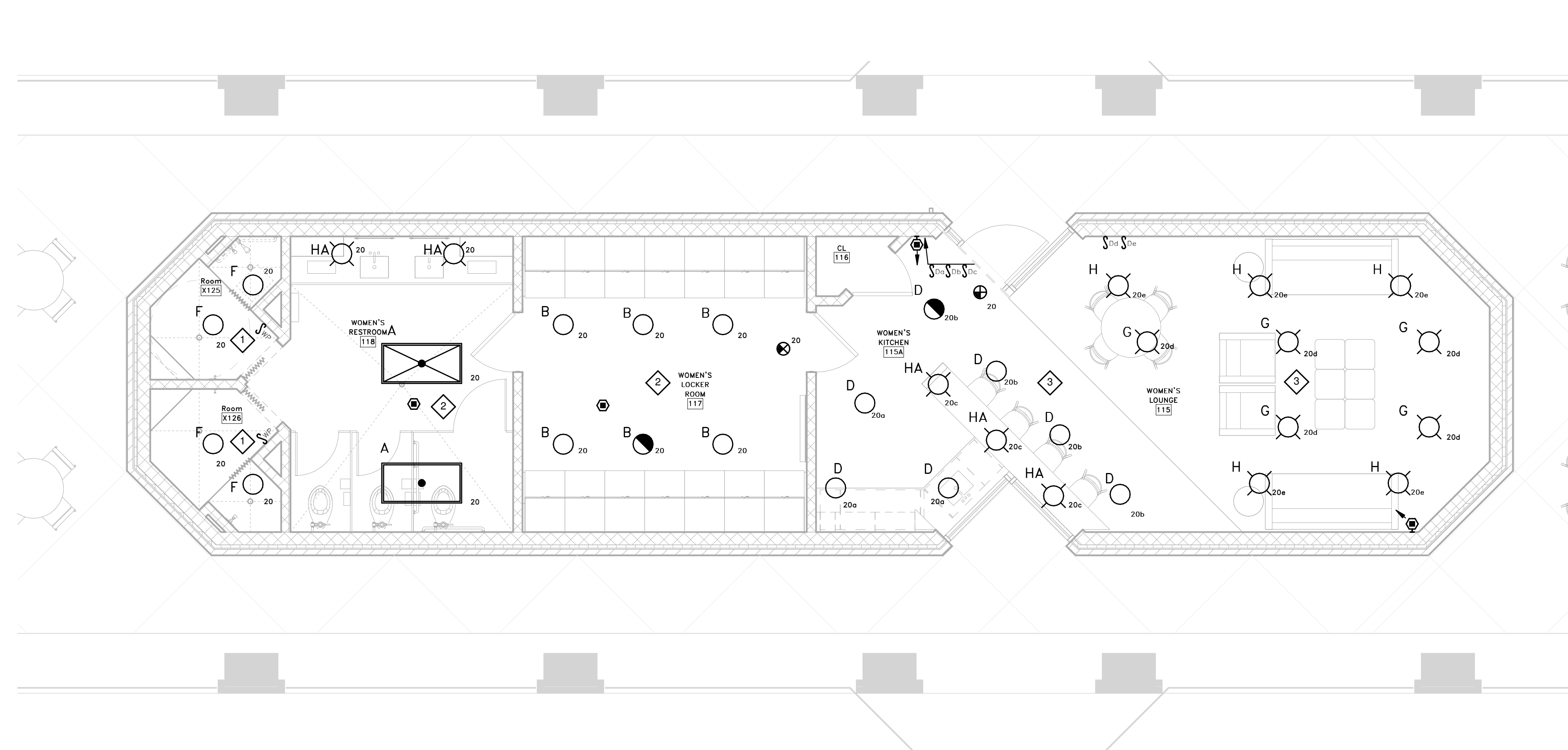
1 VISITOR'S TEAM ROOM POWER/SYSTEMS PLAN
E1.2 SCALE: 1/4" = 1'-0"



2 WOMEN'S TEAM POWER/SYSTEMS PLAN
E1.2 SCALE: 1/4" = 1'-0"

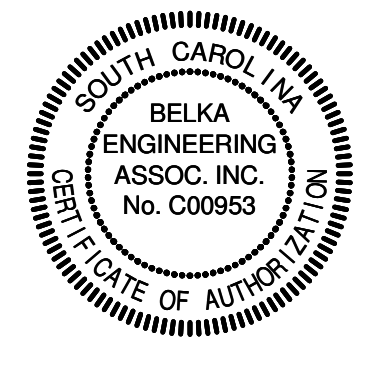


3 VISITOR'S TEAM ROOM LIGHTING PLAN
E1.2 SCALE: 1/4" = 1'-0"

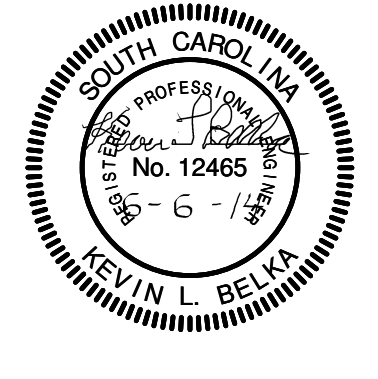


4 WOMEN'S TEAM LIGHTING PLAN
E1.2 SCALE: 1/4" = 1'-0"

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE TENNIS COMPLEX ADDITION

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SHEET INFORMATION

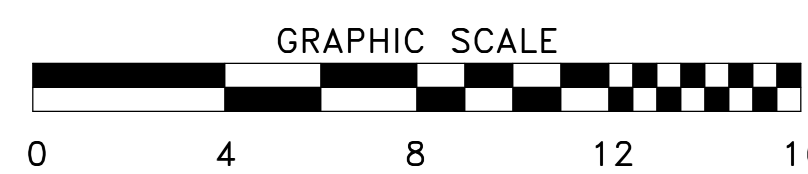
Date	08/06/14
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	ZES
Checked By	CES
State Project #	H27-6102-AU

TITLE

VISITOR'S & WOMEN'S TEAM ROOM ELECTRICAL PLANS

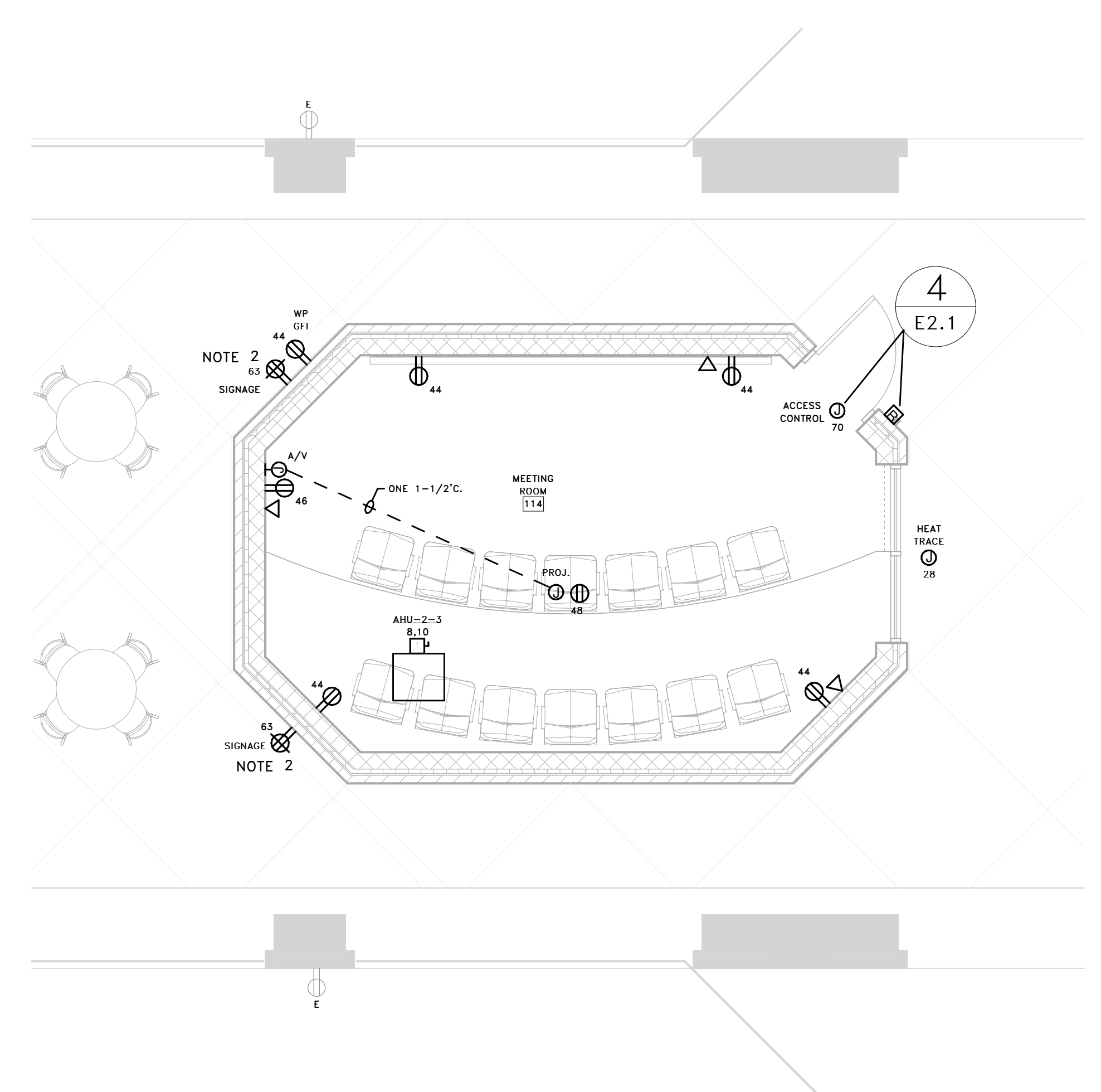
SHEET NO.
E1.2

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EMAIL: CES@stringfield@southcarolina.com

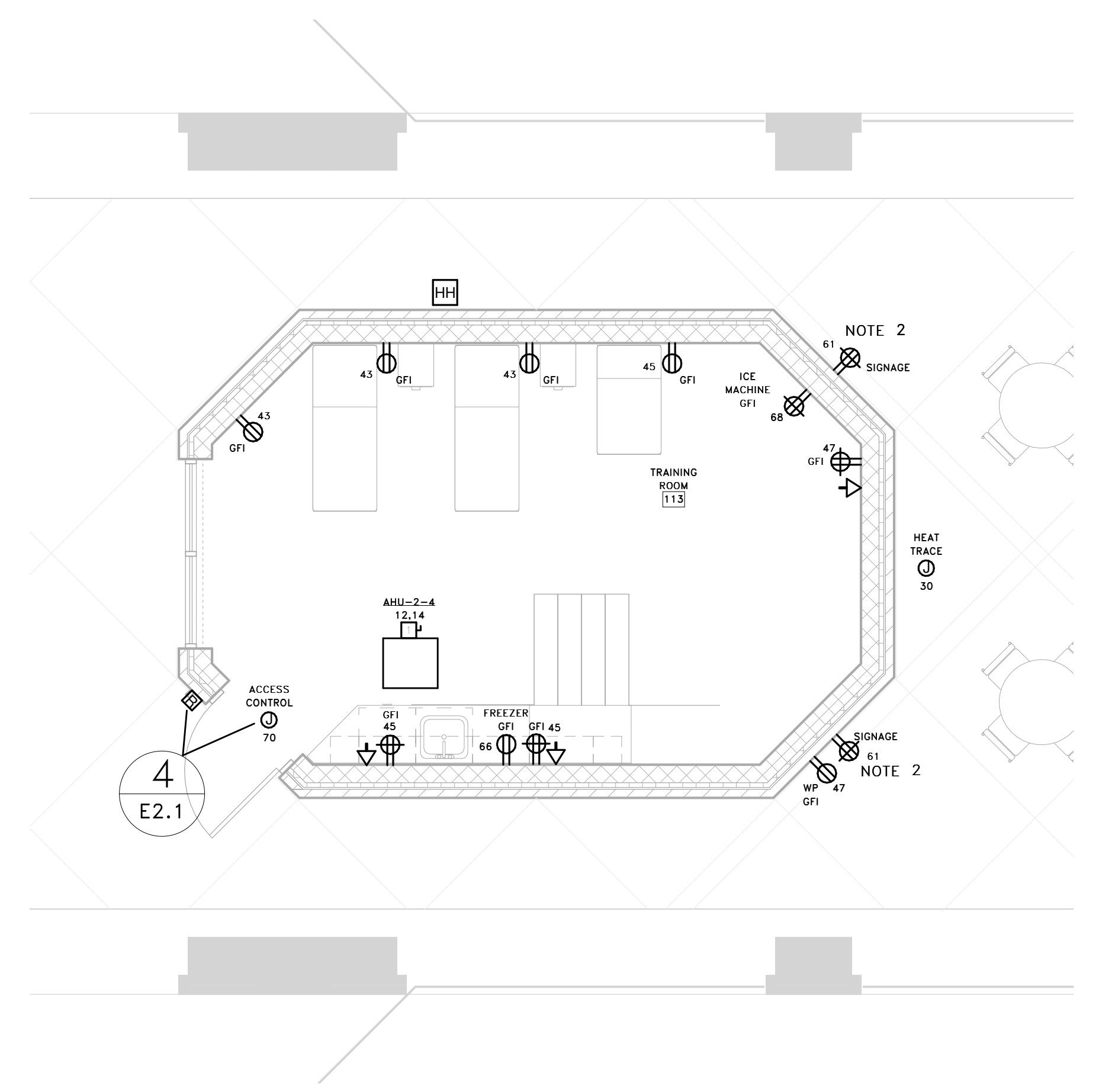


MEETING/TRAINING ELECTRICAL NOTES

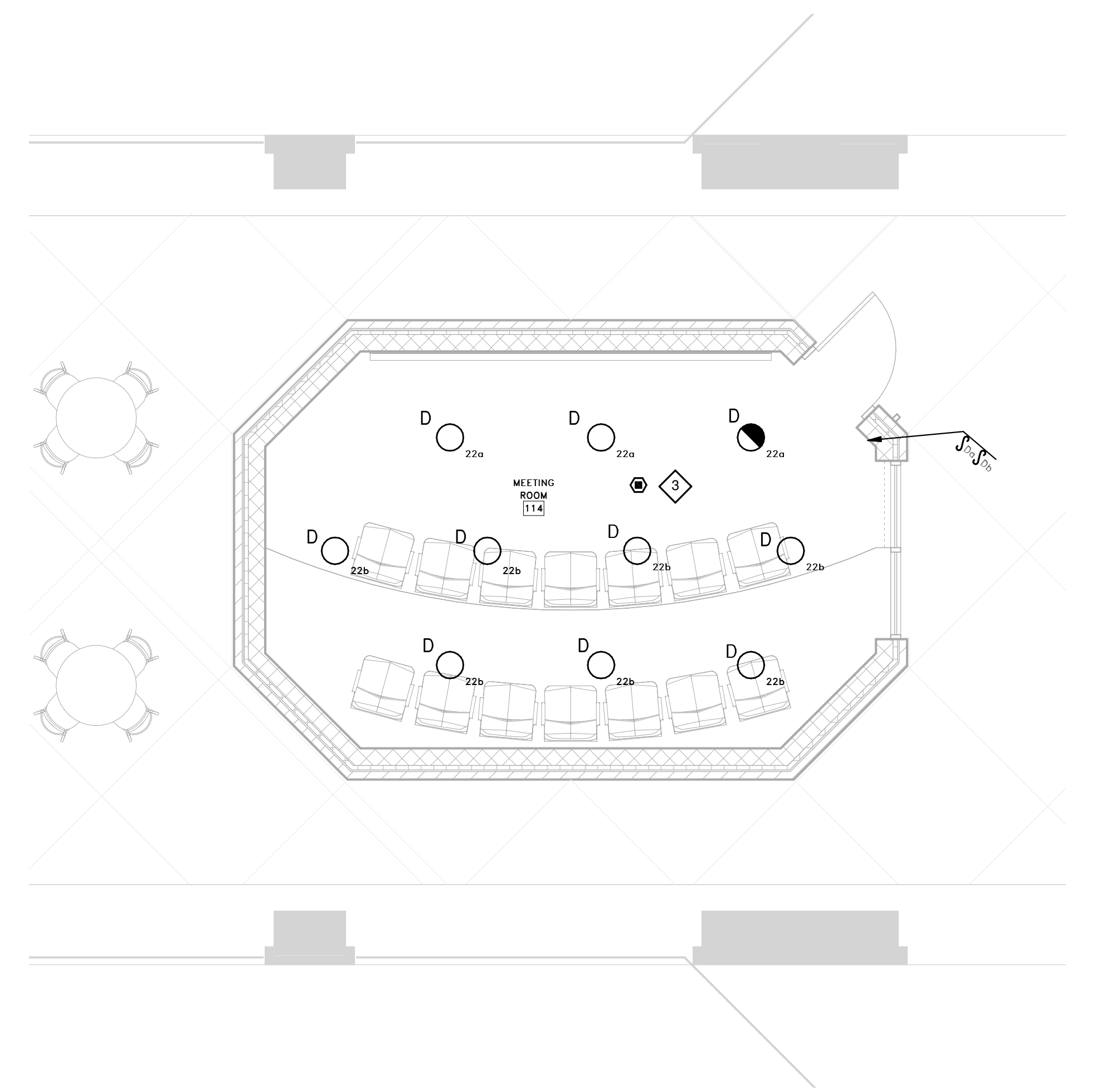
- 1 ALL RECEPTACLES AND EQUIPMENT SHOWN ON THIS DRAWING SHALL BE FED FROM PANEL "LV-3" WITH CIRCUITS SHOWN UNLESS NOTED OTHERWISE.
- 2 COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF DUPLEX RECEPTACLE WITH ARCHITECT BEFORE ROUGH-IN.



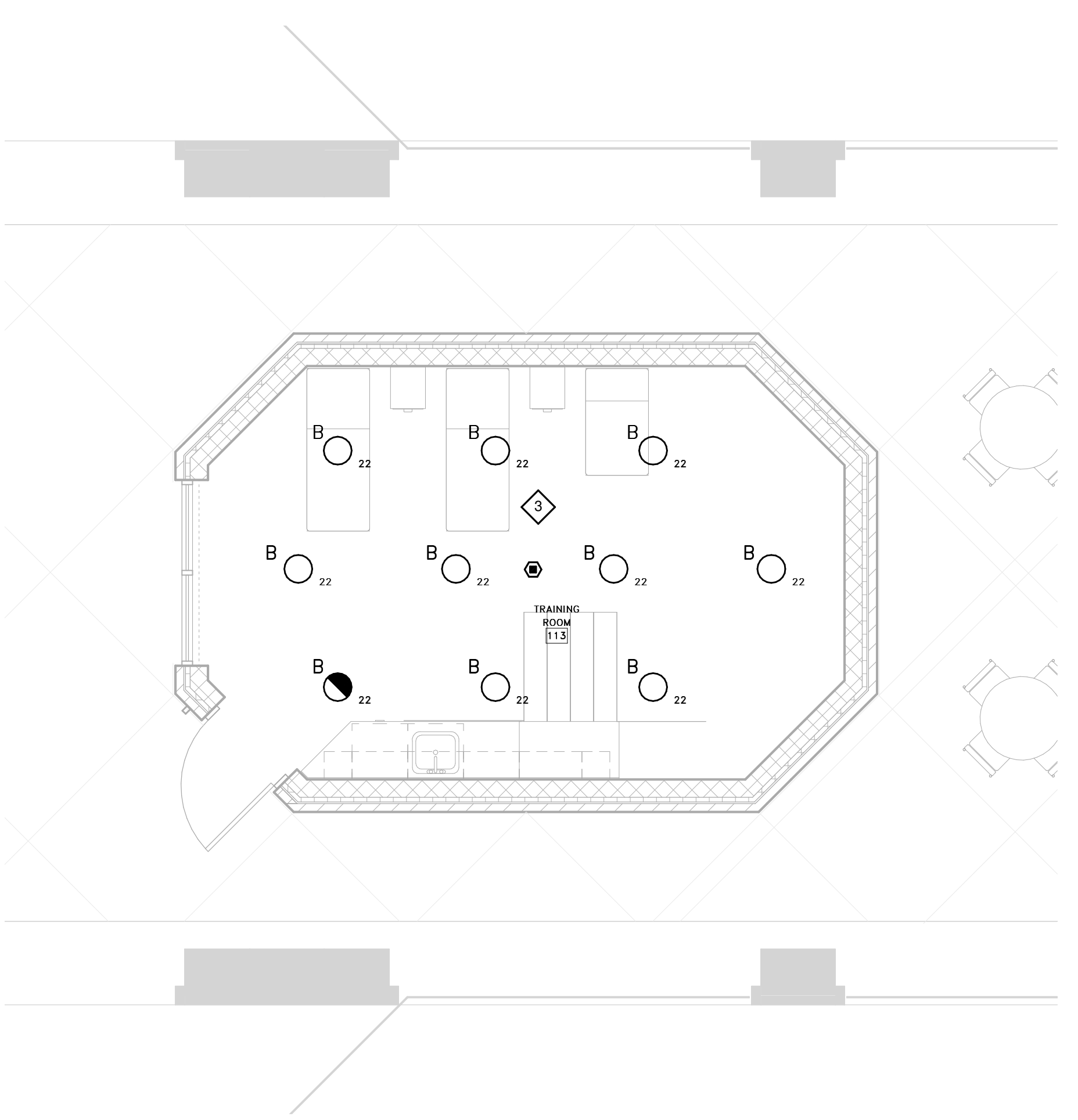
1 MEETING ROOM POWER/SYSTEMS PLAN - ALTERNATE NO. 2
E1.3 SCALE: 1/4" = 1'-0"



2 TRAINING ROOM POWER/SYSTEMS PLAN - ALTERNATE NO. 1
E1.3 SCALE: 1/4" = 1'-0"

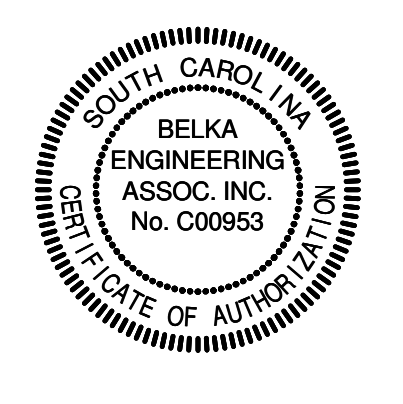


3 MEETING ROOM LIGHTING PLAN - ALTERNATE NO. 2
E1.3 SCALE: 1/4" = 1'-0"

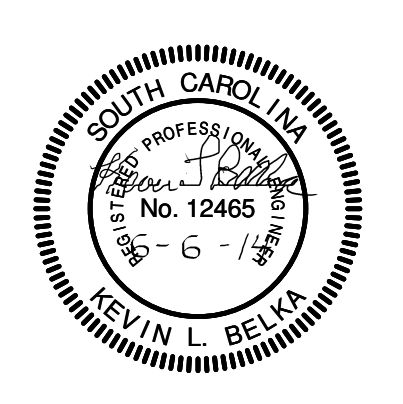


4 TRAINING ROOM LIGHTING PLAN - ALTERNATE NO. 1
E1.3 SCALE: 1/4" = 1'-0"

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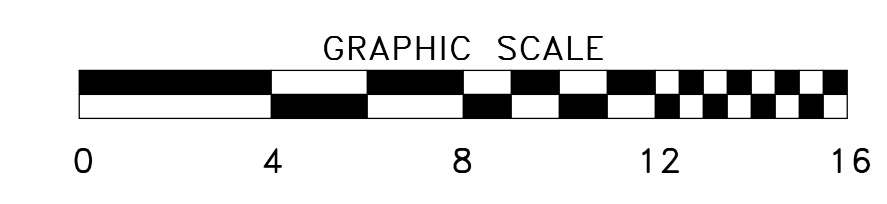
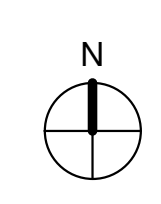
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Date	06/06/14
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	ZES
Checked By	CES
State Project #	H27-6102-MJ

TITLE

MEETING & TRAINING ROOM ELECTRICAL PLANS



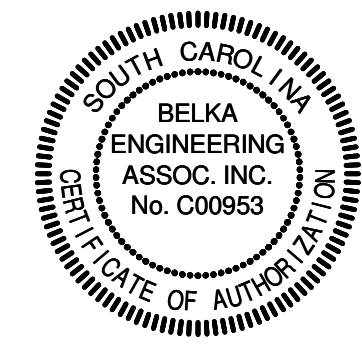
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SHEET NO.
E1.3

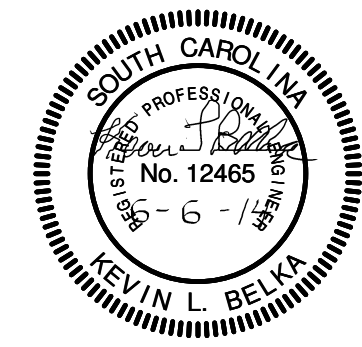
MENS/STRETCHING ELECTRICAL NOTES

- 1 ALL RECEPTACLES AND EQUIPMENT SHOWN ON THIS DRAWING SHALL BE FED FROM PANEL "X" UNLESS NOTED OTHERWISE.
- 2 COORDINATE RECEPTACLE LOCATION IN LOCKER STRUCTURE WITH ARCHITECT/LOCKER INSTALLER.
- 3 EF-3 SHALL BE CONTROLLED BY ENERGY MANAGEMENT SYSTEM (EMS). COORDINATE WITH MECHANICAL CONTRACTOR.
- 4 COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF DUPLEX RECEPTACLE WITH ARCHITECT BEFORE ROUGH-IN.

CORPORATE SEAL



A/E SEAL



PROJECT TITLE

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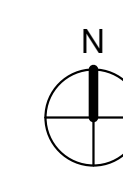
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Date	06/06/14
Project No.	12.130.09
Scale	1/4" = 1'-0"
Drawn By	ZES
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State Project #.	H27-6102-MJ

TITLE

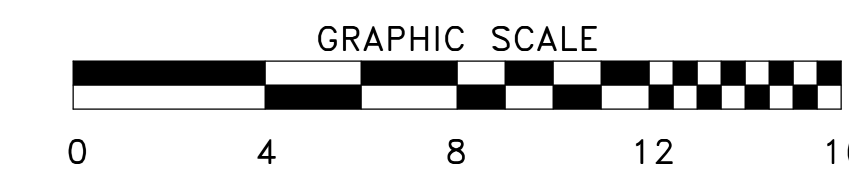
MEN'S TEAM ROOM PLANS



QU21307

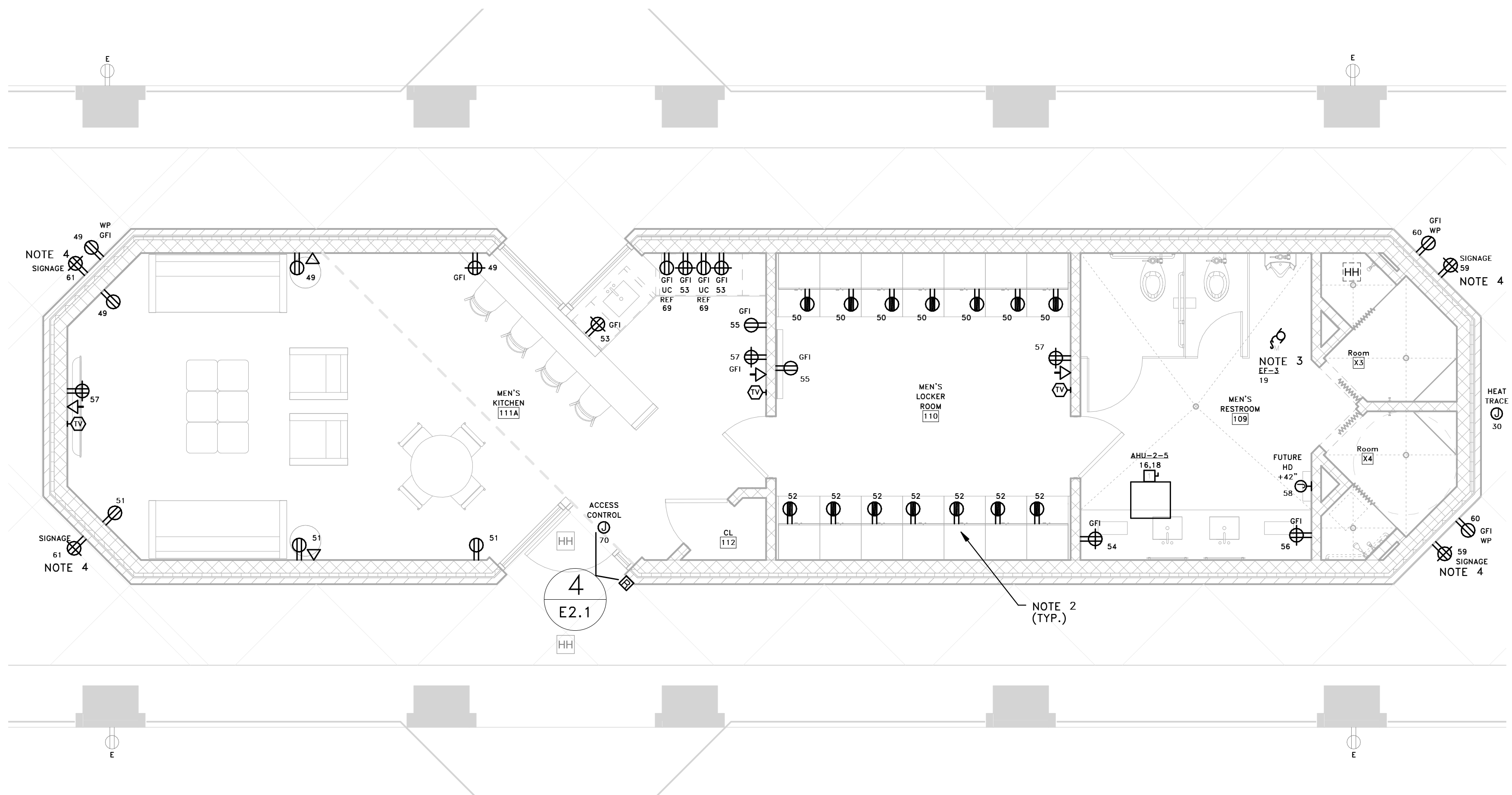


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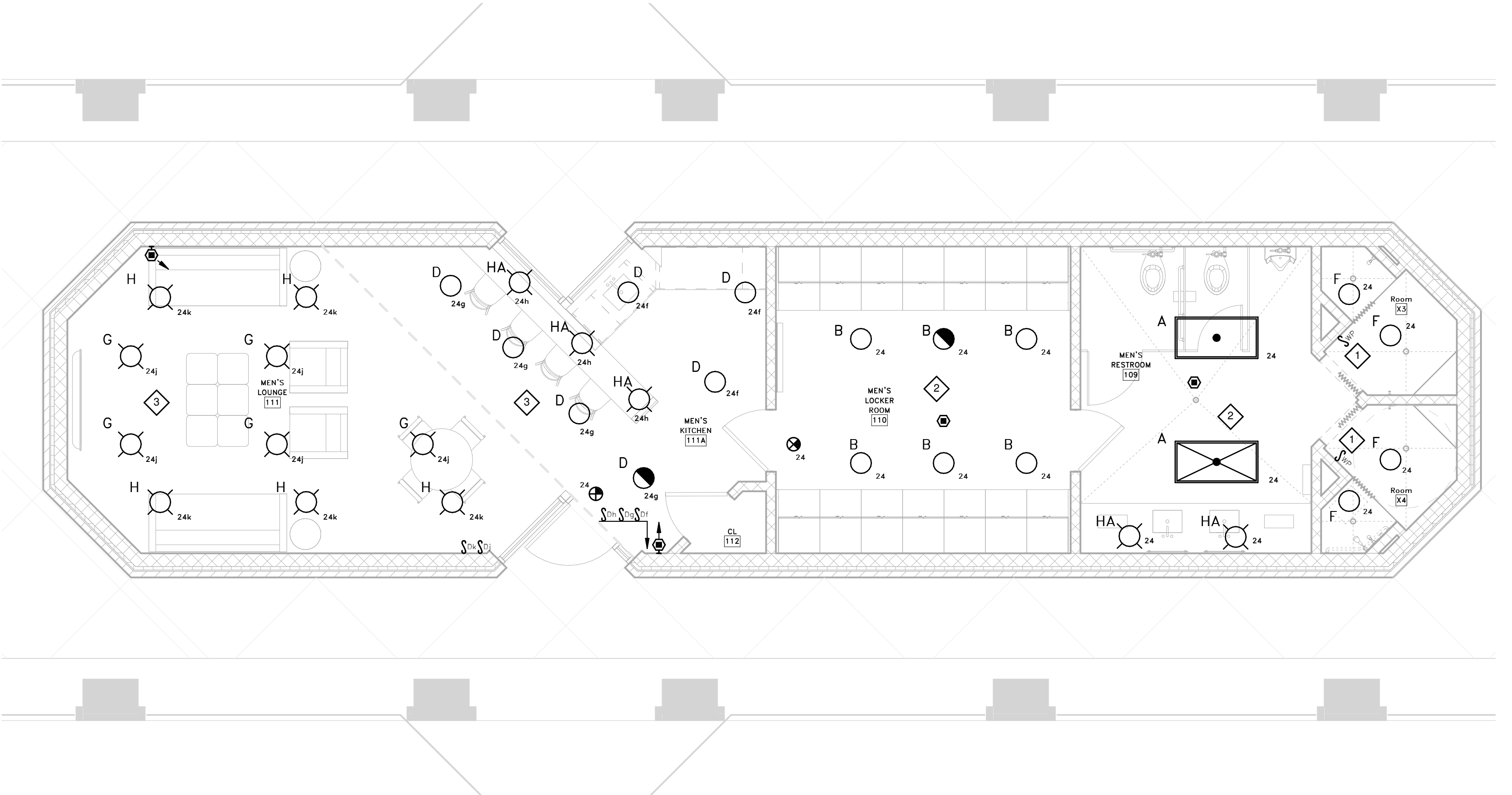


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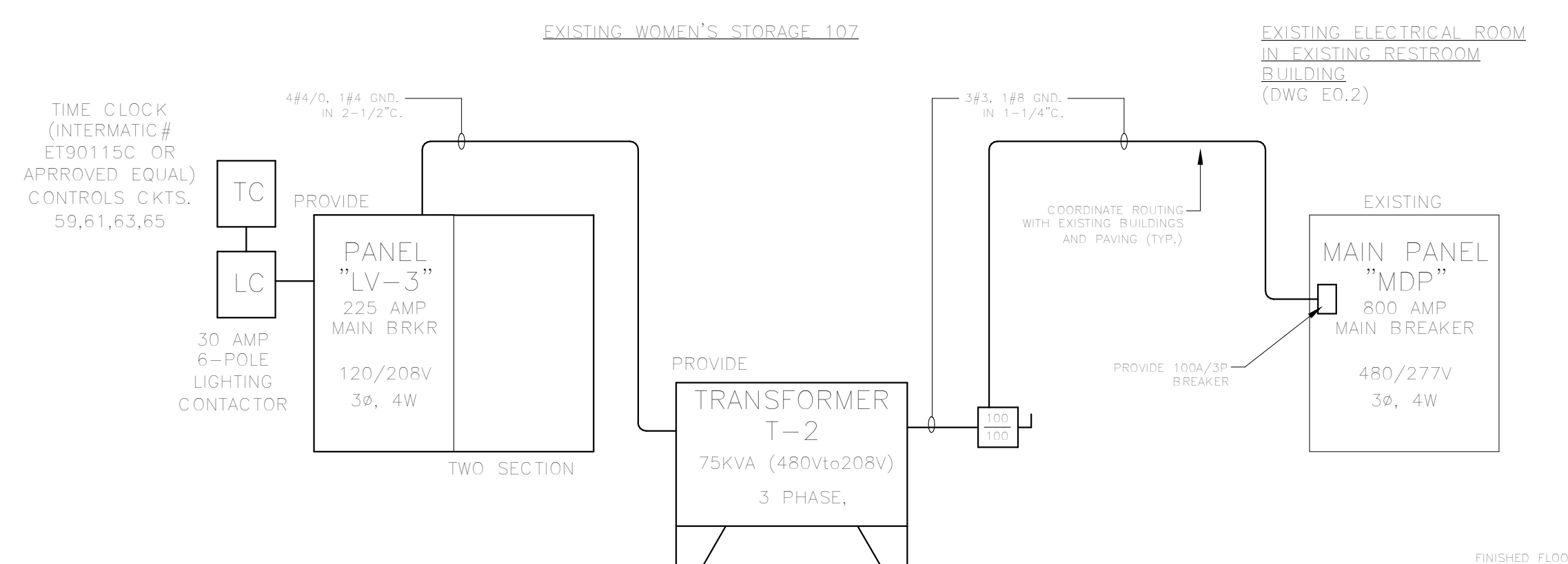
E1.4



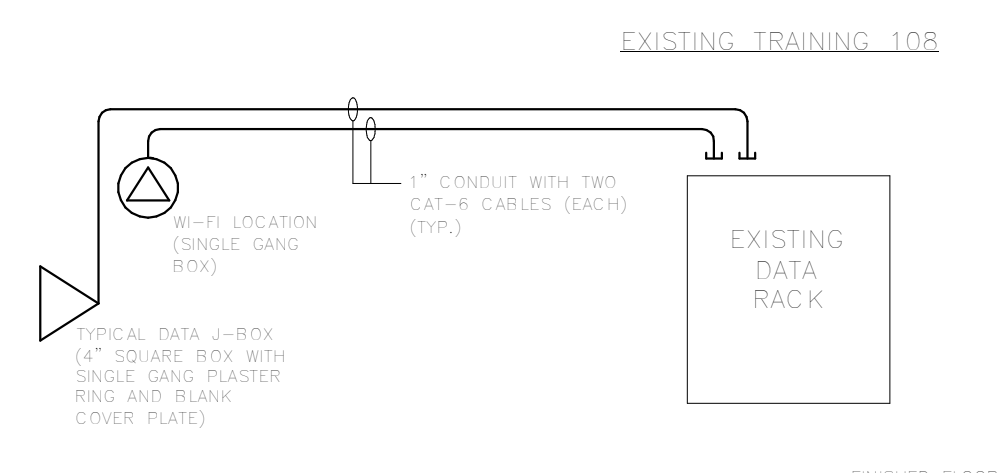
1 MEN'S TEAM ROOM POWER/SYSTEMS PLAN
E1.4 SCALE: 1/4" = 1'-0"



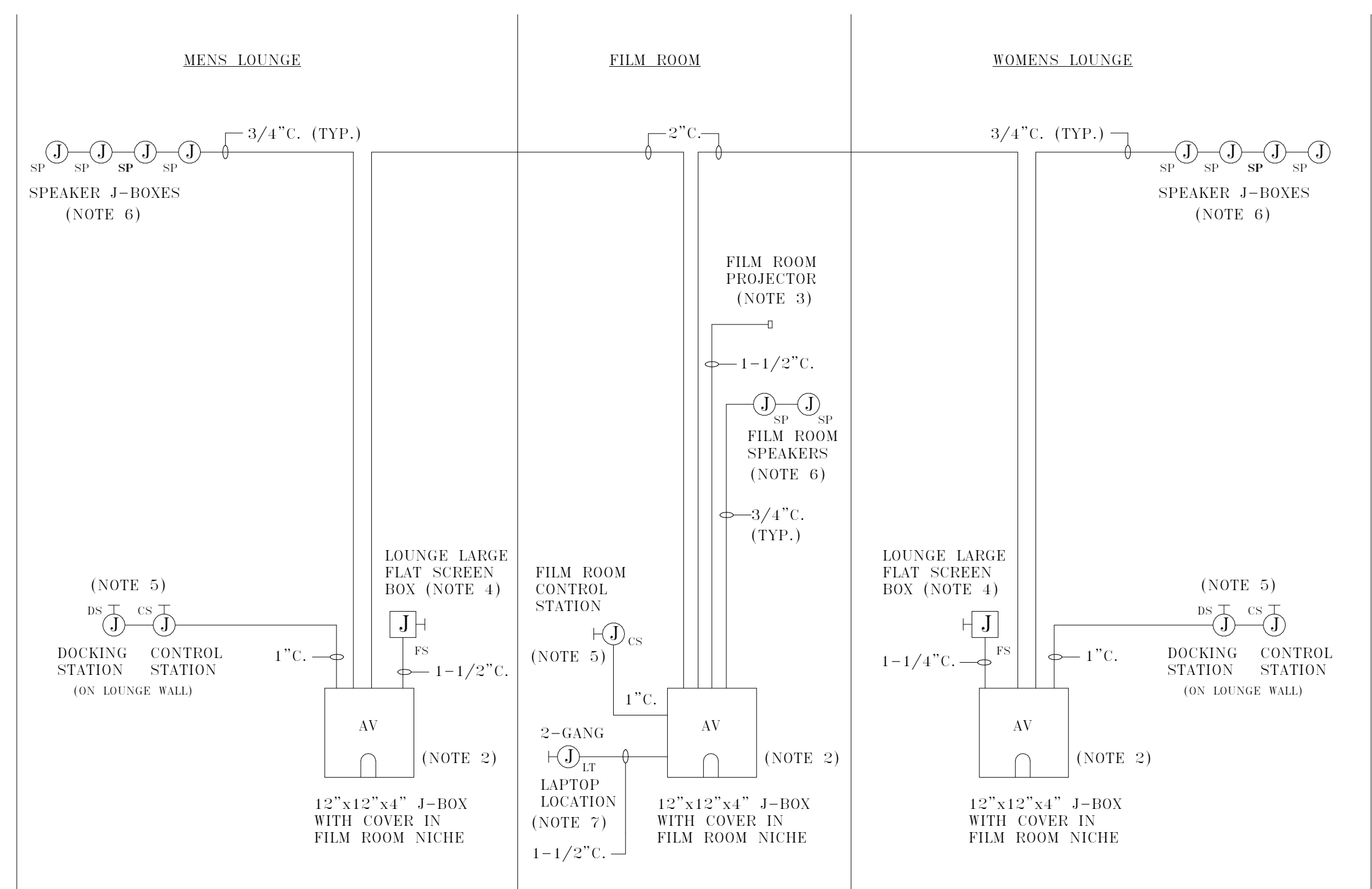
3 MEN'S TEAM ROOM LIGHTING PLAN
E1.4 SCALE: 1/4" = 1'-0"



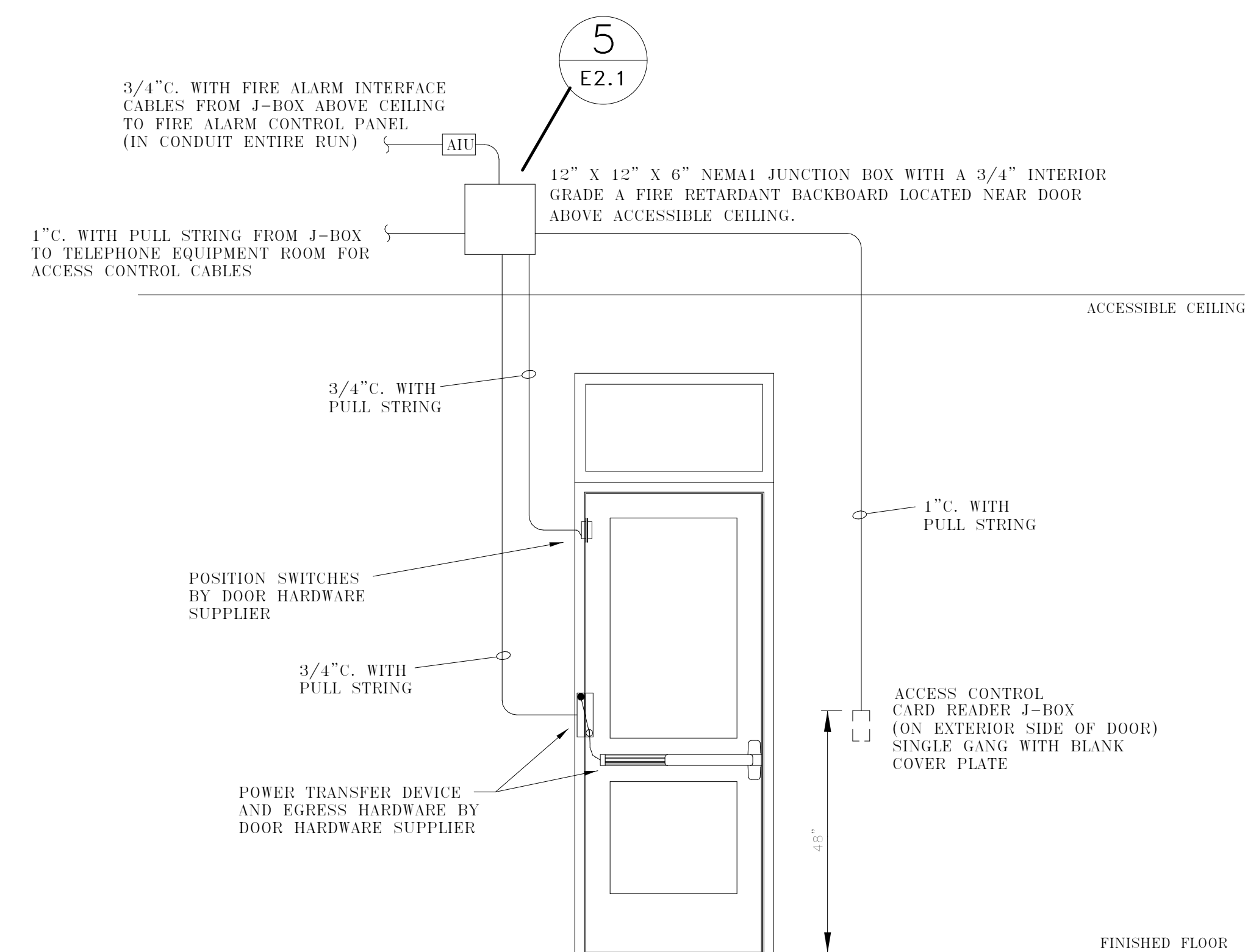
1 POWER SINGLE LINE DIAGRAM
E2.1 SCALE: NOT TO SCALE



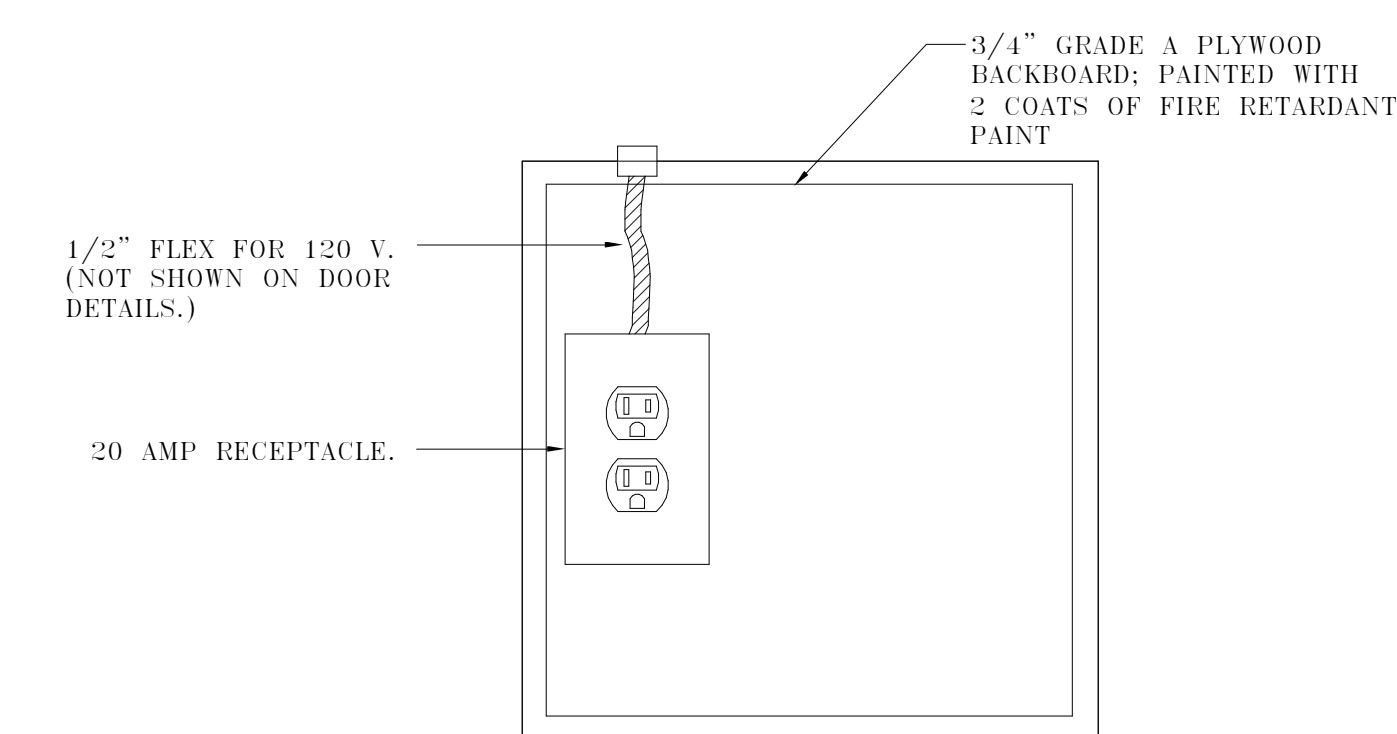
2 DATA SINGLE LINE DIAGRAM
E2.1 SCALE: NOT TO SCALE



3 A/V CONDUIT/BOX DIAGRAM
E2.1 SCALE: NOT TO SCALE



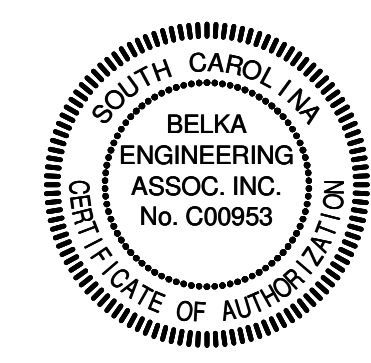
4 ACCESS CONTROL DOOR DETAIL
E2.1 SCALE: NOT TO SCALE



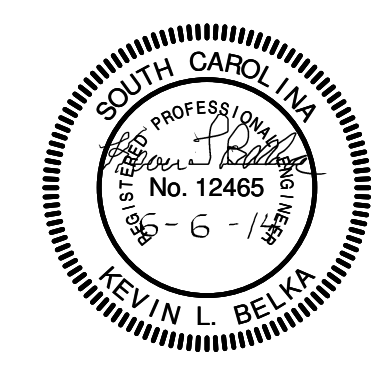
5 ENLARGED DETAIL ACCESS CONTROL JUNCTION BOX
E2.1 SCALE: NOT TO SCALE

- A/V CONDUIT/BOX DIAGRAM NOTES**
- COORDINATE ALL WORK WITH USC-UTS (CONTACT: DAVID COCKFIELD AND JEFF HOSTILO, 777-1800).
 - IN MEN'S FILM ROOM E152A, PROVIDE ONE 12"x12"x4" NEMA 1 BOX WITH COVER, FLUSH MOUNTED 12" AFF (BOTTOM OF BOX). COVER SHALL HAVE SLOT AS DESCRIBED IN NOTE 2.
 - IN FILM ROOMS, PROVIDE ONE 1-1/2" CONDUIT STUBBED ABOVE CEILING APPROXIMATELY 12'0" FROM PROJECTION WALL FOR PROJECTOR CONTROL CABLES. COORDINATE EXACT LOCATION OF CONDUIT (APPROXIMATELY 12" BEHIND PROJECTOR MOUNT FROM SCREEN) WITH USC-UTS BEFORE ROUGH-IN. PROVIDE ACCESS PANEL IN ARCHITECTURAL CEILING; COORDINATE WITH ARCHITECT.
 - AT EACH FLAT SCREEN TELEVISION LOCATION, PROVIDE ONE FLUSH MOUNTED TV BOX (CHIEF# PACS18 OR APPROVED EQUAL). SEE ARCHITECTURAL DETAILS FOR MOUNTING HEIGHTS (CENTER BOX ON SCREEN).
 - FOR EACH AUDIO/VISUAL CONTROL STATION AND IPOD DOCKING STATION, INSTALL USC-UTS FURNISHED BACK BOXES, FLUSH MOUNTED 48" AFF (TOP OF BOX).
 - FOR EACH SPEAKER LOCATION, PROVIDE ONE SINGLE GANG BOX WITH COVER MOUNTED ON STRUCTURE ABOVE APPROXIMATE SPEAKER LOCATION IN ARCHITECTURAL CEILING. COORDINATE EXACT SPEAKER LOCATIONS WITH USC-UTS BEFORE ROUGH-IN.
 - IN EACH FILM ROOM, PROVIDE ONE DOUBLE GANG BOX IN RISER OF RAISED SEATING PLATFORM AT LAPTOP LOCATION. PROVIDE BLANK COVER. ROUTE CONDUITS UNDER PLATFORM OVER TO WALL (NO EXPOSED CONDUITS). COORDINATE EXACT BOX LOCATION WITH USC-UTS BEFORE ROUGH-IN.
 - PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.

CORPORATE SEAL



AE SEAL



PROJECT TITLE

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State Project #.	H27-6102-AU

SINGLE-LINE DIAGRAMS