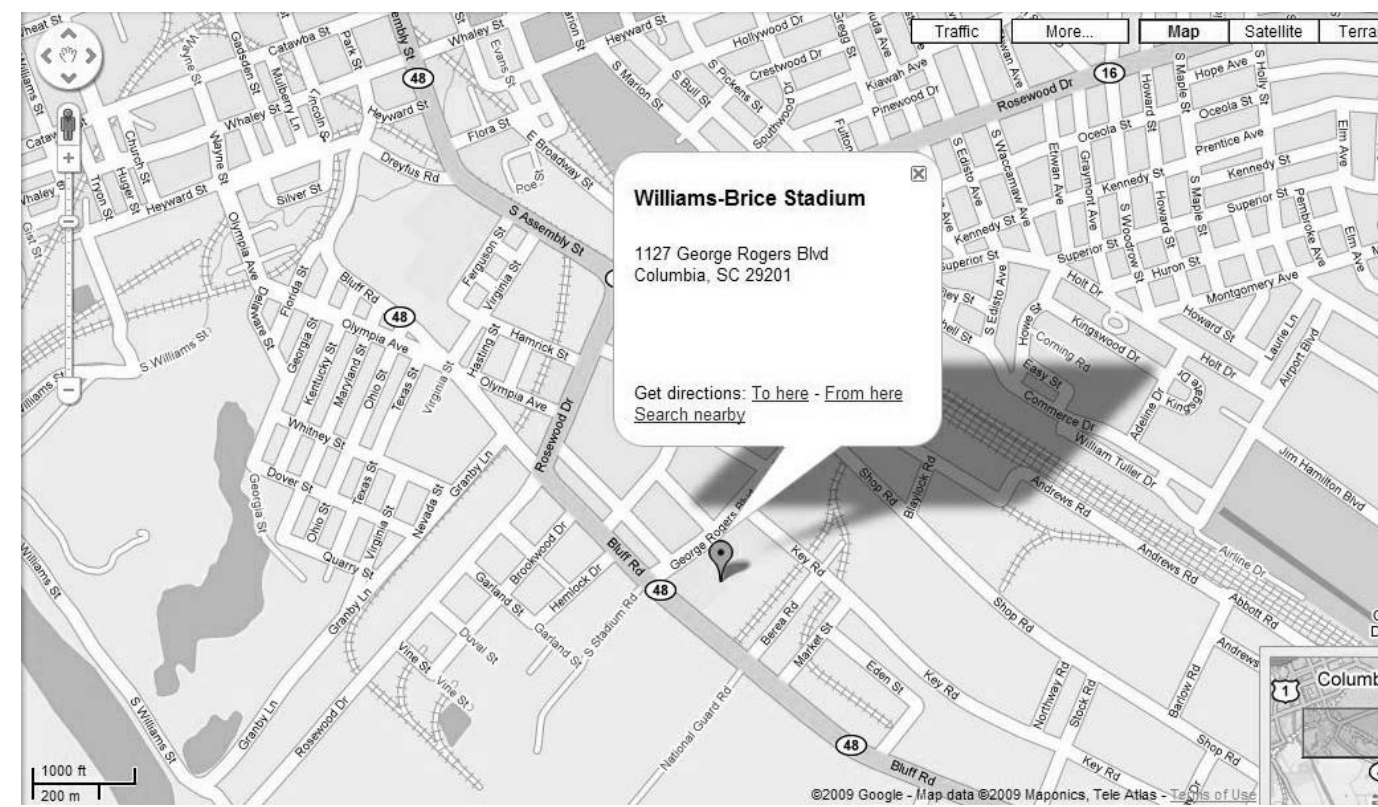


WILLIAMS BRICE STADIUM

Roof Repair East Ground Level CP00405532

University of South Carolina



VICINITY MAP
NOT TO SCALE

ABBREVIATIONS

ACT	ACOUSTICAL TILE	LAV	LAVATORY
ALUM	ALUMINUM	MAS	MASONRY
BD	BOARD	MB	MARKER BOARD
BLKG	BLOCKING	MECH	MECHANICAL
CB	CHALK BOARD	MFGMFR	MANUFACTURER
CJ	CONTROL JOINT	MIR	MIRROR
CT	CERAMIC TILE	MO	MASONRY OPENING
CMU	CONCRETE MASONRY UNIT	MTL	METAL
CONC	CONCRETE	NSG	NOSING
CONST	CONSTRUCTION	NIC	NOT IN CONTRACT
CONT	CONTINUOUS	OC	ON CENTER
CFT	CARPET	OD	OUTSIDE DIAMETER
CR	CLASSROOM	OPNG	OPENING
DBL	DOUBLE	PLAS LAMP	PLASTIC LAMINATE
DS	DEEP SHELVES	PL	PLATE
DTL	DETAIL	PLUMB	PLUMBING
DIM	DIMENSION	PR	PAIR
ELEV	ELEVATION	PT	PAINT
EA	EACH	RD	ROOF DRAIN
EJ	EXPANSION JOINT	REINF	REINFORCE (D) (ING)
ELEC	ELECTRICAL	REQD	REQUIRED
EQ	EQUAL	SCHED	SCHEDULE
EXIST	EXISTING	SEC	SECTION
EXP	EXPANSION	SHT	SHEET
EXT	EXTERIOR	SIM	SIMILAR
FD	FLOOR DRAIN	S5	STAINLESS STEEL
FE	FIRE EXTINGUISHER	STL	STEEL
FF	FINISH FLOOR	SWC	SOLID WOOD CORE
FLR	FLOOR	TB	TACK BOARD
FLOUR.	FLOURESCENT FIXTURE	TEMP	TEMPERED
FTG	FOOTING	TRTD	TREATED
GALV	GALVANIZED	TYP	TYPICAL
GB	GRAB BAR	UL	UNDERWRITERS LABORATORY
GC	GENERAL CONTRACTOR	VCT	VINYL COMPOSITION TILE
GL	GLASS	VER	VERIFY
GWB	GYP-SUM WALL BOARD	VERT	VERTICAL
HM	HOLLOW METAL	VW	VIEW WINDOW
HORIZ	HORIZONTAL	W	WITH
ID	INSIDE DIAMETER	WO	WITH OUT
INSUL	INSULATION	WD	WOOD
INT	INTERIOR		

NOTE: FOR ABBREVIATIONS NOT NOTED ABOVE CONTACT ARCHITECT.

PROJECT CONTACTS

JOB SITE	---
CONTRACTOR'S OFFICE	---
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STRUCTURAL KYZER & TIMMERMAN STRUCTURAL ENGINEERS	803-791-4511
PLUMBING SWIGERT & ASSOCIATES CONSULTING ENGINEERS	803-791-9300
MECHANICAL SWIGERT & ASSOCIATES CONSULTING ENGINEERS	803-791-9300
ELECTRICAL BELKA ENGINEERING ASSOCIATES, INC.	803-731-0650

INDEX OF DRAWINGS

T101	DRAWING INDEX, ABBREV., CONTACTS
A201	PARTIAL DEMOLITION & FLOOR PLANS, AND FINISH SCHEDULE
AB-1	ACM AND LBP ABATEMENT PLAN, CUSTODIAL STORAGE AREA
A401	BUILDING SECTION, DOOR SCHEDULE, AND DOOR & FRAME TYPES
A801	ROOF PLAN & DETAILS
A901	PROJECT PHOTOGRAPHS
S1	ROOF PLAN SECTIONS & DETAILS
P101	DEMOLITION FLOOR PLAN AND NOTES
M101	FLOOR PLANS, DETAILS, NOTES, SCHEDULES, AND LEGEND
E101	ELECTRICAL PLANS

ALTERNATES

ADD ALTERNATE #1:
THE AMOUNT TO BE ADDED TO THE BASE BID TO FURNISH ALL LABOR AND MATERIALS REQUIRED FOR ABATEMENT AND PAINTING OF THE UPPER EAST EXTERIOR WALL AND PAINTING OF THE UPPER SOUTH EXTERIOR WALL.

Jumper

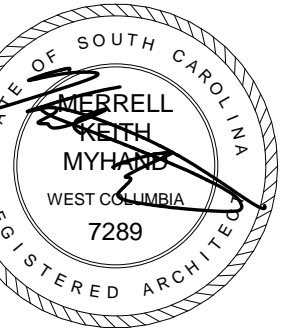
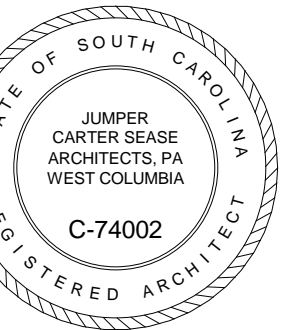
Carter

Sease

Architects

PA

412 Meeting Street
West Columbia
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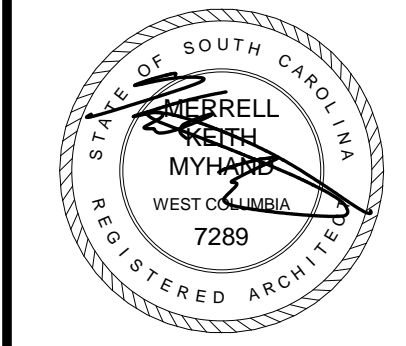


WILLIAMS BRICE STADIUM -
ROOF REPAIR EAST GROUND LEVEL
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

No	Description	Date

DRAWN BY: **SL**
CHECKED BY: **KM**
COMM NO.: **14102**
DATE: **FEBRUARY 2015**
SHEET TITLE: **DRAWING INDEX, ABBREV., CONTACTS**

SHEET NO.: **T101**



**WILLIAMS BRICE STADIUM -
ROOF REPAIR EAST GROUND LEVEL
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA**

No	Description	Date

DRAWN BY: **SL**

CHECKED BY: **KM**

COMM NO: **14102**

DATE: **FEBRUARY 2015**

SHEET TITLE:
**PARTIAL
DEMOLITION &
FLOOR PLANS,
AND FINISH
SCHEDULE**

SHEET NO:

A201

SYMBOL LEGEND

- XXX ROOM # FOR CONSTRUCTION USE
- ① PHOTO REFERENCE # (SEE SHEET A202)
- ⊙ DOOR IDENTIFICATION (SEE SHEET 201)
- EXISTING CONCRETE WALL
- EXISTING DOUBLE WYTHE BRICK WALL
- EXISTING 8" CONCRETE MASONRY UNIT WALL
- EXISTING STEEL COLUMN TO REMAIN
- FD EXISTING FLOOR DRAIN TO REMAIN
- FE NEW FIRE EXTINGUISHER & BRACKET

WALL RATING LEGEND

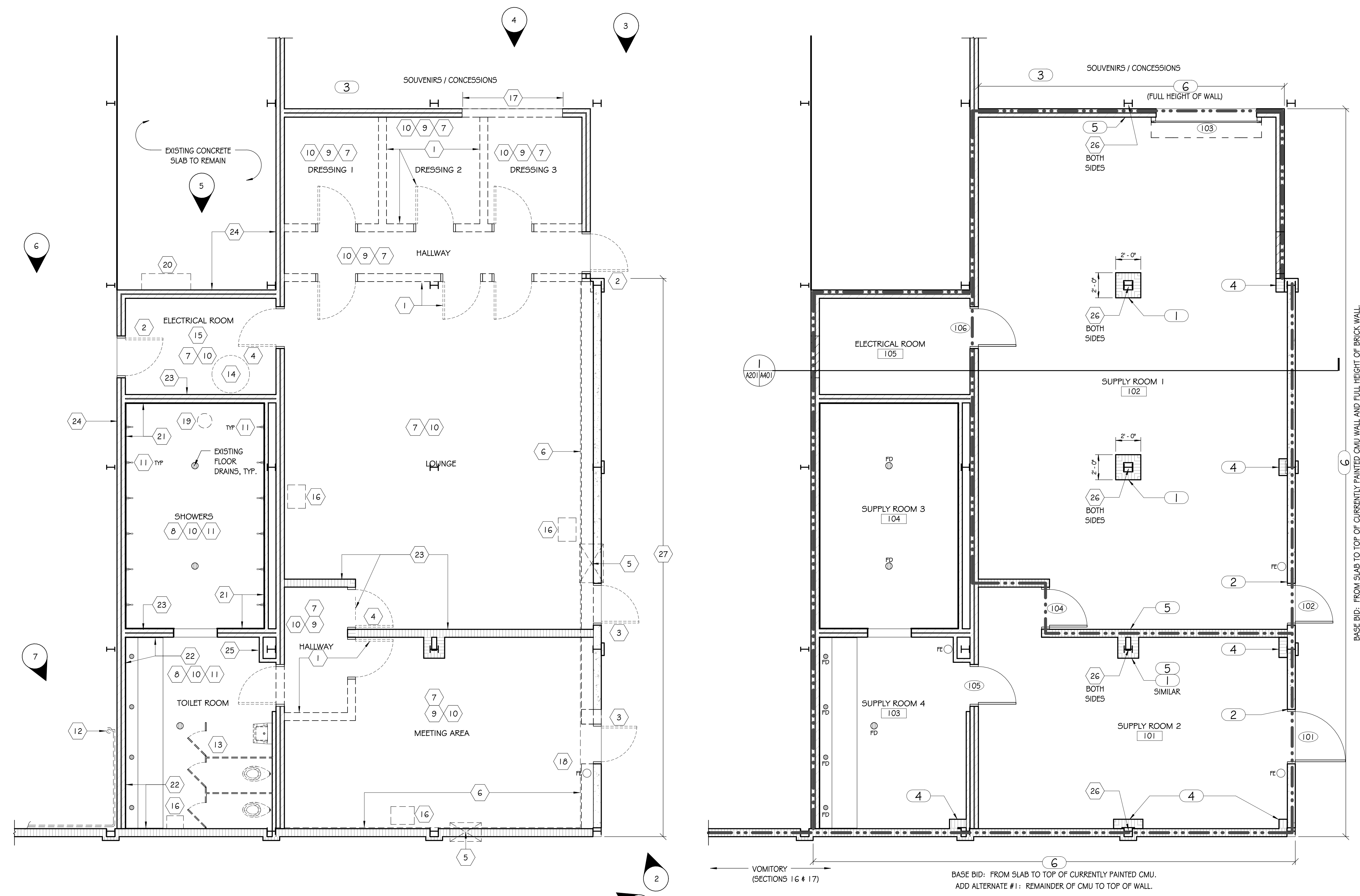
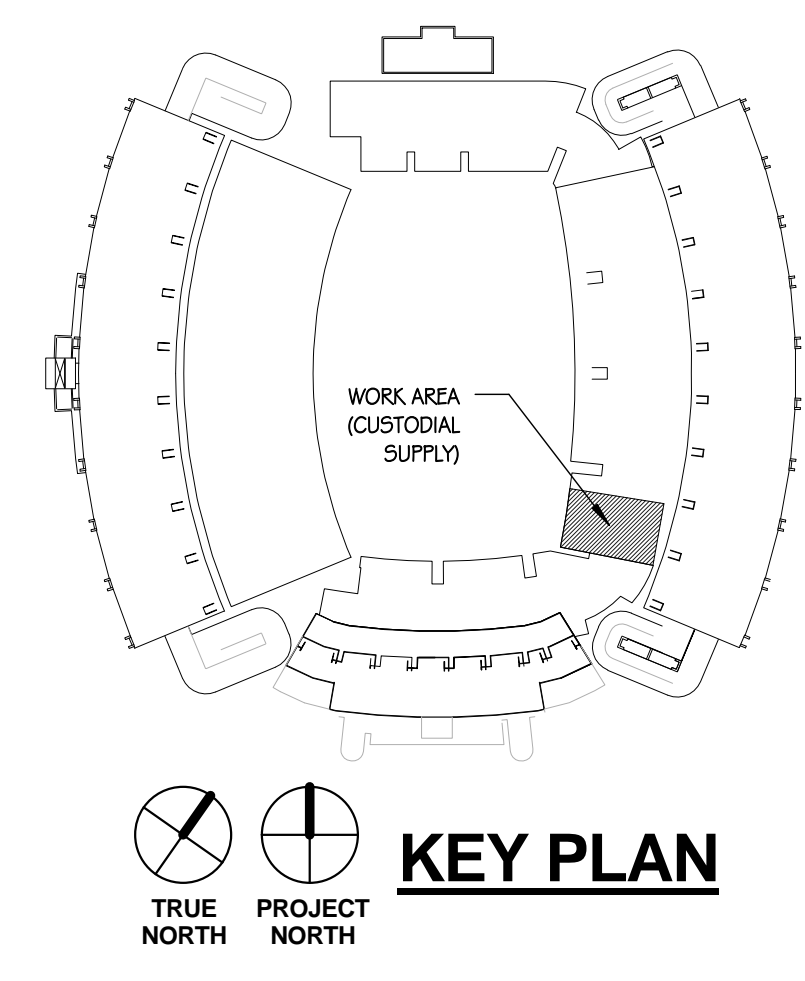
- 2 HOUR FIRE RATED WALL - SEAL WALLS TO DECK. FILL ALL VOIDS SOLID WITH SAFING AND COVER WITH ACRYLIC FIRE SPRAY

GENERAL NOTES

- THIS WORK CONSISTS OF REPLACING THE EXISTING EXPIRED WOOD FRAME ROOF SYSTEM WITH A NEW NON-COMBUSTIBLE 2 HOUR FIRE RATED ROOF SYSTEM ASSEMBLY ALONG WITH MAINTAINING THE EXISTING 2 HOUR FIRE RATED PERIMETER AND SEPARATION WALL AS REQUIRED PER 2012 IBC. NEW LIGHTING, HVAC AND OTHER MINOR IMPROVEMENTS WILL ALSO BE PROVIDED AS INDICATED.
- THE CONTRACTOR IS TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE COMPLETE WORK SCOPE AND ALL RELATED CONDITIONS PRIOR TO BID. ANY QUESTIONS OR DISCREPANCIES WITH THE INFORMATION SHOWN HEREIN MUST BE DIRECTED TO THE ARCHITECT PRIOR TO BID.
- THE CONTRACTOR WILL HAVE ACCESS TO THE STADIUM MONDAY THROUGH FRIDAY AND TIME ON WEEKENDS ONLY IF APPROVED BY THE OWNER 7 DAYS IN ADVANCE OF SUCH WEEKEND.
- ALL TEMPORARY FACILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN A CLEAN WORK SITE AT ALL TIMES. THE WORK AREA MUST BE CLEANED UP AT THE END OF EACH DAY MINIMUM. CONTRACTOR SHALL NOT ALLOW TRASH OR DEBRIS TO BECOME WIND BORNE SO AS TO LITTER UP ADJACENT AREAS OF THE STADIUM.
- THE CONTRACTOR IS TO AVOID DAMAGE TO ADJACENT WORK. ANY DAMAGE WILL BE REPAIRED OR REPLACED AS DECIDED BY THE OWNER WITH THE CONTRACTOR SOLELY RESPONSIBLE FOR ALL RELATED COSTS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL LIFE SAFETY METHODS AND PRACTICES.
- THE OWNER WILL REMOVE ALL ITEMS FROM THE WORK AREA THAT THE OWNER INTENDS TO SALVAGE PRIOR TO START OF CONSTRUCTION. ALL REMAINING ITEMS ARE TO BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A LEGAL MANNER.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL CONSTRUCTION DEBRIS ASSOCIATED WITH THIS WORK. CONTRACTOR IS ALSO RESPONSIBLE FOR PROVIDING DUST CURTAINS AND CLEAN-UP AT AREAS REQUIRING CUTTING OR DRILLING OF EXISTING MASONRY SO THAT DUST DOES NOT SPREAD TO ADJACENT AREAS.
- CONTRACTOR IS TO PROVIDE A FINAL CLEAN UP OF THE NEW WORK & ADJACENT SPACES AS DETERMINED BY THE OWNER & ARCHITECT DUE TO THE SPREAD OF DUST AND DEBRIS.
- CONTRACTOR SHALL PERMANENTLY IDENTIFY WITH PAINT STENCILING ABOVE CEILING ON BOTH SIDES OF ALL FIRE RATED WALL AT 2'-0" MAXIMUM INTERVALS THE FOLLOWING: "Y" HOUR RATED FIRE BARRIER - PROTECT ALL OPENINGS. "Y" THE HOUR RATING, (1), 2, OR 3 HOUR WALLS AS SHOWN ON PLAN. NOTATION SHALL BE IN 3" SANS SERIF, GOTHIC OR BLOCK. CONNECT WITH CONTINUOUS 2" WIDE STRAIGHT RED LINE BETWEEN EACH STENCILED NOTATION.
- AT RATED WALLS (TYP.) SEAL MASONRY TO ROOF DECK PER U.L. ASSEMBLY REQUIREMENTS. PACK FIRE SAFING MATERIAL SOLID IN VOIDS AND SPRAY WALLS WITH ACRYLIC FIRE SPRAY AS REQUIRED TO ACHIEVE SPECIFIED RATINGS. THIS IS TYPICAL ON BOTH SIDES OF WALLS REQUIRING HOURLY RATINGS. STENCILING NOTATIONS AND CONTINUOUS RED LINES ARE NOT TO BE APPLIED ON EXTERIOR SIDE OF EXTERIOR WALLS (INSIDE PERIMETER OF EXTERIOR WALLS AND INTERIOR ONLY).
- PAINTING - ALL PAINT PRODUCTS ARE TO BE BY SHERWIN WILLIAMS IN ORDER TO MATCH EXISTING RECENTLY COATED SYSTEMS. ALL WORK MUST BE IN STRICT ACCORDANCE WITH PAINT MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL COLORS ARE TO MATCH EXISTING. COATING MATERIALS WILL BE PROVIDED BY THE OWNER. HOWEVER, ALL POWER TOOL CLEANING, TREATMENT OF RUST CONDITIONS AS REQUIRED, AND ANY OTHER PREPARATION REQUIRED FOR THE PAINT MANUFACTURER'S WRITTEN INSTRUCTIONS, ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS TO REMOVE ALL DEBRIS AND GRIND FLOOR SMOOTH AT ALL WALL DEMOLITION AREAS. GRIND EVEN WITH EXISTING CONCRETE FLOOR SURFACE.
- CONTRACTOR IS RESPONSIBLE FOR ALL ABATEMENT AND DEMOLITION EFFORTS. REFER TO PROJECT MANUAL FOR ABATEMENT PROCEDURES AND ADDITIONAL INFORMATION.

- DEMOLITION NOTES**
- REMOVE EXISTING 8" CMU WALL AND DOORS ENTIRELY WITHOUT ANY DAMAGE TO ADJACENT BRICK WALLS. CLEAN & REMOVE WALL RESIDUE FROM ADJACENT BRICK WALL & CONCRETE SLAB SURFACES AFTER DEMOLITION.
 - REMOVE EXISTING WOOD DOOR & FRAME. INFILL OPENING TO MATCH EXISTING WALL CONSTRUCTION AND MAINTAIN 2 HOUR FIRE RATING.
 - REMOVE EXISTING WOOD DOOR & FRAME. PREPARE OPENING TO RECEIVE NEW 1-1/2 HOUR RATED HOLLOW METAL DOOR AND FRAME.
 - REMOVE EXISTING WOOD DOOR/HOLLOW METAL FRAME. PREPARE OPENING TO RECEIVE NEW 1-1/2 HOUR RATED HOLLOW METAL DOOR AND FRAME.
 - REMOVE EXISTING THROUGH WALL A.C. UNITS AND INFILL OPENING SOLID WITH 8" CMU TO MAINTAIN 2 HOUR RATING. FLUSH CMU WITH EXTERIOR WALL SURFACE TOOL JOINTS FLUSH. REMOVE ELECTRICAL BACK TO PANEL. (SEE PHOTOS #1 & #2)
 - REMOVE WOOD PANELS & DRYWALL ALONG WITH FURRING SYSTEM COMPLETE AND PREPARE CONCRETE/CMU WALL SURFACES SMOOTH TO RECEIVE PAINT. COORDINATE WITH ABATEMENT CONTRACTOR FOR DRYWALL REMOVAL.
 - REMOVE WOOD OR DRYWALL CEILING SYSTEM THIS ROOM ENTIRELY. (SEE PHOTO #8). COORDINATE WITH ABATEMENT CONTRACTOR FOR WOOD AND DRYWALL CEILING REMOVAL.
 - REMOVE METAL LATH/PLASTER CEILING SYSTEM THIS ROOM ENTIRELY. DO NOT DAMAGE WALL. (SEE PHOTOS #9, #10, & #11)
 - REMOVE ACOUSTICAL CEILING TILES, LIGHTING & GRID SYSTEM ENTIRELY. REMOVE LIGHTING POWER BACK TO PANEL.
 - REMOVE WOOD ROOF STRUCTURE ENTIRELY ALONG WITH OLD FANS & WOOD DOGHOUSE STRUCTURES ATOP ROOF. REMOVE ALL ELECTRICAL (WORKING & NON-WORKING) BACK TO THE PANELS COMPLETE. COORDINATE WITH ELECTRICAL DRAWINGS. TEMPORARILY SUPPORT ANY ELECTRICAL CONDUIT ABOVE THAT DOES NOT SERVE THIS SCOPE OF WORK.
 - REMOVE ALL PLUMBING FIXTURES THIS ROOM AND CAP UTILITIES. SEE PLUMBING. DO NOT DAMAGE CERAMIC TILE. ALL CERAMIC TILE IS TO REMAIN UNLESS NOTED OTHERWISE. (SEE PHOTOS #9 & #10)
 - REMOVE TOILET COMPARTMENT PARTITIONS AND ALL TOILET ROOM ACCESSORIES COMPLETELY. (SEE PHOTO #11)
 - REMOVE WATER SUPPLY & CAP AT SOURCE. SEE PLUMBING. (SEE PHOTO #8)
 - REMOVE HOT WATER HEATER. SEE PLUMBING. (SEE PHOTO #12)
 - SAW-CUT AND REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION THIS ROOM.
 - REMOVE EXISTING WALL HEATER & ASSOCIATED COMPONENTS COMPLETELY. REMOVE WIRING BACK TO PANEL.
 - REMOVE SECTION OF DOUBLE WYTHE BRICK WALL AS REQUIRED FOR FIRE SERVICE DOOR. COORDINATE WITH STRUCTURAL DETAILS PRIOR TO CUTTING OPENING & PROVIDE PROPER TEMPORARY SUPPORT
 - REMOVE EXISTING FIRE EXTINGUISHER & BRACKET. RECHARGE, RETAG & REINSTALL UPON COMPLETION OF NEW WORK.
 - REMOVE EXISTING CEILING VENTILATION FAN & ASSOCIATED COMPONENTS COMPLETELY. REMOVE WIRING BACK TO SOURCE.
 - REMOVE OLD WOOD SHELVING & ALL OTHER EXISTING DEBRIS THIS AREA.
 - REMOVE GREEN CERAMIC WALL TILE AS REQUIRED FOR INSTALLATION OF PERIMETER ROOF SUPPORT SYSTEM AND PROPER FIRE SPRAY. MAINTAIN NEAT AND CLEAN REMOVAL ONLY FOR THE MINIMAL HEIGHT OF REQUIRED TILE REMOVAL. REMAINING TILE IS TO BE CONTINUOUS ALONG TOP EDGE JUST UNDER SPRAY-ON FIRE PROOFING.
 - COORDINATE WITH ABATEMENT CONTRACTOR FOR REMOVAL OF YELLOW WALL TILE. CLEAN AND PREPARE WALL SURFACE TO RECEIVE PAINT PER PAINTING MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - SAW-CUT TOP-OF-WALL ALONG SLOPE AS REQUIRED TO ALL REMAINING WALL TO BE TIGHT TO NEW METAL ROOF DECK. SEAL & FIRSPRAY TOP OF RATED WALL & ALLOW MASONRY COLUMN ENCLOSURES AS REQUIRED FOR 2 HOUR FIRE RATED U.L. ASSEMBLY COMPLIANCE.
 - SEE ROOF PLAN FOR EXTENT OF TOP OF WALL REMOVAL AT EXTERIOR PERIMETER WALLS.
 - REMOVE TOP PORTION OF BRICK CHASE WALL AS REQUIRED TO ALLOW FOR PROPER INSTALLATION OF NEW ROOF SYSTEM. MUST BE SEALED TIGHT TO DECK TO MAINTAIN NEW FIRE RATING REQUIREMENTS OF ROOF SYSTEM.
 - ABATEMENT-CONTRACTOR IS TO CLEAR PATH FOR STEEL CONNECTIONS AND ANY BRACING REMOVAL. SEE SPECIFIED ABATEMENT PROCEDURES.
 - ADD ALTERNATE #1 - ABATE PREVIOUSLY PAINTED UPPER CMU WALL SURFACE ABOVE CONCRETE WALL AND PREPARE FOR PAINTING. COORDINATE WITH ABATEMENT CONTRACTOR.

- KEY NOTES**
- PROVIDE 2 HOUR FIRE RATING PROTECTION USING 8"x8"x16" CMU SEAL TIGHT TO ROOF DECK & FIRE SEAL. PROVIDE ONE #4 VERTICAL CONTINUOUS, AND CENTERED AT EACH CORNER. EPOXY INTO EXISTING SLAB AND GROUT ENTIRE CELL SOLID FOR THE HEIGHT OF THE WALL. PROVIDE LADDER REINFORCING AT 16" O.C. VERTICAL.
 - SAW CUT EXISTING CONCRETE OPENING AS REQUIRED TO RECEIVE NEW DOOR & FRAME
 - PROTECT ADJACENT FABRIC CANOPY. REMOVE & REINSTALL IF REQUIRED.
 - PROVIDE 2 HOUR FIRE RATED PROTECTION AT EXISTING STEEL COLUMNS USING 8"x8"x16" CMU. GAP 8" MIN. EACH SIDE OF COLUMN. SEAL TIGHT TO ROOF DECK & FIRE SEAL. REINFORCE HORIZONTALLY PER KEYNOTE #1 ABOVE AND TIE BACK TO EXISTING WALLS.
 - REPAIR MASONRY AS REQUIRED FOR NEW BEAM INSTALLATION. TIGHT TO DECK & FIRE SPRAY.
 - REPAINT EXTERIOR WALL SURFACES, DOORS AND DOOR FRAMES TO MATCH EXISTING COLORS.



1 PARTIAL DEMOLITION PLAN @ EAST GROUND LEVEL
1/4" = 1'-0"


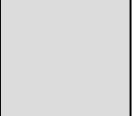


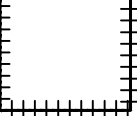

2 PARTIAL FLOOR PLAN @ EAST GROUND LEVEL
1/4" = 1'-0"

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE TYPE	WALL NORTH	WALL SOUTH	WALL EAST	WALL WEST	CEILING	COMMENTS
T01	SUPPLY ROOM 2	-	-	PAINT	PAINT	PAINT	PAINT	EXPOSED	
T02	SUPPLY ROOM 1	-	-	PAINT	PAINT	PAINT	PAINT	EXPOSED	
T03	SUPPLY ROOM 4	-	-	PAINT	PAINT	PAINT	PAINT	EXPOSED	
T04	SUPPLY ROOM 3	-	-	PAINT	PAINT	PAINT	PAINT	EXPOSED	DO NOT PAINT CERAMIC TILE. CLEAN ONLY.
T05	ELECTRICAL ROOM	-	-	EXISTING	EXISTING	EXISTING	EXISTING	EXPOSED	

- PAINT SCHEDULE: (SEE GENERAL NOTE #13)**
- HOLLOW METAL DOORS AND FRAMES (BLACK AS EXISTING):
- SPOT PRIME WITH KEMBOND PRIMER
 - INTERMEDIATE & TOP COAT - INDUSTRIAL URETHANE ALKYD ENAMEL, SEMI-GLOSS.
- INTERIOR MASONRY (MATCH LIGHT GRAY EXISTING):
- PRIME WITH B151W620 PROBLOCK (EXISTING PAINTED MASONRY).
 - PRIME WITH B25W25 BLOCK FILL (NEW MASONRY).
 - INTERMEDIATE & TOP COAT - MULTI-SURFACE ACRYLIC (MSA), GLOSS LATEX.
- EXTERIOR MASONRY (MATCH EXISTING COLORS):
- PRIME WITH LOXON CONDITIONER A24W100 (ADD ALTERNATE #1).
 - PRIME WITH B25W25 BLOCK FILL (RAW MASONRY).
 - INTERMEDIATE & TOP COAT - MULTI-SURFACE ACRYLIC (MSA), GLOSS LATEX. (BASE BID & ADD ALTERNATE #1)

LEGEND

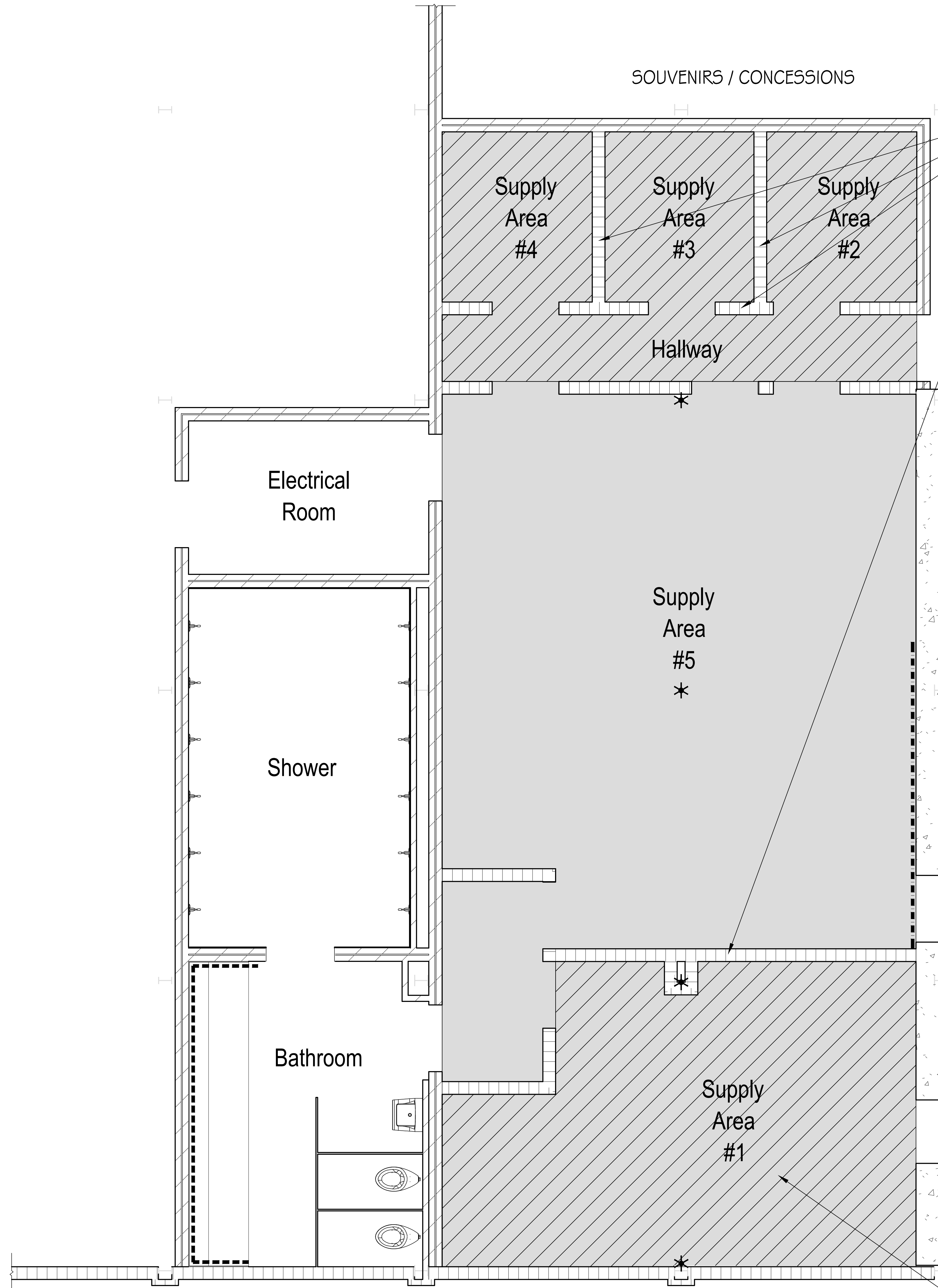
-  ACM Spray-Applied Ceiling Texture and Joint Compound Associated with Drywall to be Removed
-  Original Tongue & Groove Ceiling Coated with Lead-Based Paint to be Removed. Found above Texture Ceilings Where Noted
-  Lead Containing Ceramic Wall Tile to be Removed
-  Drywall and Associated ACM Joint Compound to be Removed
-  ADD ALTERNATE 1 - ACM Wall Surfacing Material to be Removed if Alternate Price is Accepted.
-  Contractor to Remove Lead-Based Paint Down to Bare Steel all Components of the Top Three (3) Feet of Column in These Locations

GENERAL ABATEMENT NOTES

1. Contractor shall thoroughly read all specifications and plans and thoroughly review all abatement documents (i.e. ACM and LBP Investigation Reports) prior to commencement of abatement activities.
2. The Contractor shall be responsible for verification of all site conditions and quantities associated with the abatement prior to the bid. Actual quantities shall be documented and confirmed during the abatement operations by the Contractor and Owner's Representative.
3. Contractor shall thoroughly clean areas where abatement is to occur prior to abatement operations.
4. Contractor is to ensure that all governing EPA, the SCDHEC and OSHA regulations are followed during the abatement of the facility.
5. Containment shall be established and in place prior to the start of friable abatement activities.
6. Negative pressure shall be established prior to start of gross removal during friable abatement activities.
7. Existing HVAC supply and return duct systems leading into the abatement work areas shall be cut and capped prior to start of wet removal activities.

ABATEMENT TASKS

Contractor shall complete friable abatement of drywall and spray-applied ceiling texture in supply Area #1, #2, #3, #4 and hallway. Contractor is to be aware that drywall and associated ACM joint compound is located on one wall in Supply Area #5. This area will need to be included into the friable abatement work area. Contractor shall clean residual spray applied texture ceiling material over spray throughout these areas. All vertical and horizontal surfaces to included piping, metal ductwork, concrete floors and decking above and masonry walls throughout these areas shall be thoroughly cleaned of residual asbestos contamination, debris, and over spray from the original asbestos-containing spray applied textured ceiling material found throughout the building.



Contractor is to be aware the drywall and spray-applied ceiling texture may be concealed above the existing block walls in these areas. Contractor is to remove these materials, if present, while under containment.

ADD ALTERNATE 1 - As an alternate to the base bid Contractor shall include price for removal of ACM surfacing material from top portion of existing masonry wall, for the length of the wall in this area. Contractor is to remove these materials down to masonry surface while under full containment. After abatement Contractor Shall apply an approved encapsulant to the exposed surface.

ACM spray applied ceiling texture found above non-ACM suspended ceiling system this area. Suspended ceiling system and associated grid shall be removed as an abatement task. All debris generated shall be disposed of as ACM.

SCALE: 3/8" = 1.0'

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 EXP. 06/20/15

PROJECT TITLE
WILLIAMS-BRICE STADIUM
ROOF REPAIR EAST GROUND LEVEL
 UNIVERSITY OF SOUTH CAROLINA
 USC PROJECT NUMBER: CP00405532-FM00459023
 CONSTRUCTION DOCUMENTS

DRAWING:	DATE:	DESCRIPTION:	DATE:	DATE:	DATE:
AB-1	February, 2015				
REV.					

THIS DRAWING AND ASSOCIATED ABATEMENT DESIGN HAS BEEN REVIEWED AND APPROVED BY THE ABATEMENT PROJECT DESIGNER
 DATE: 02/10/15

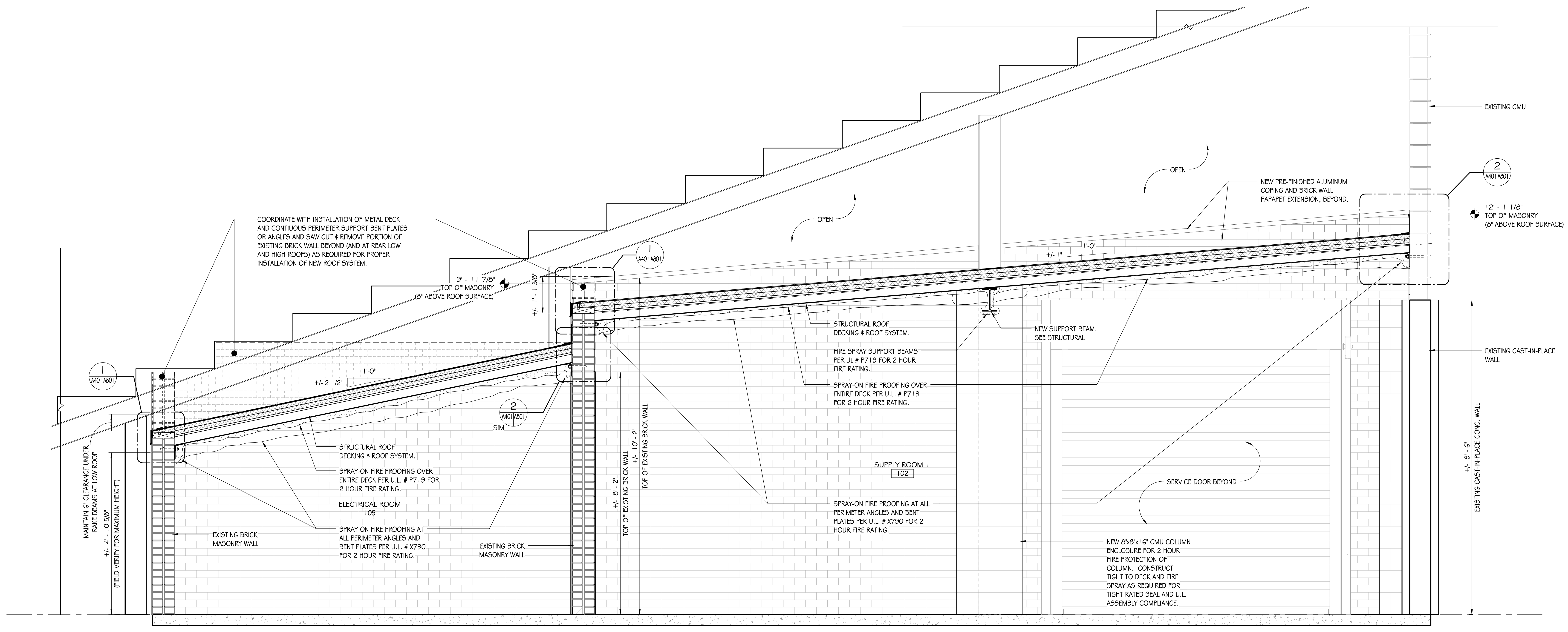
SHEET TITLE
ACM AND LBP ABATEMENT PLAN
CUSTODIAL STORAGE AREA

SHEET:
AB-1



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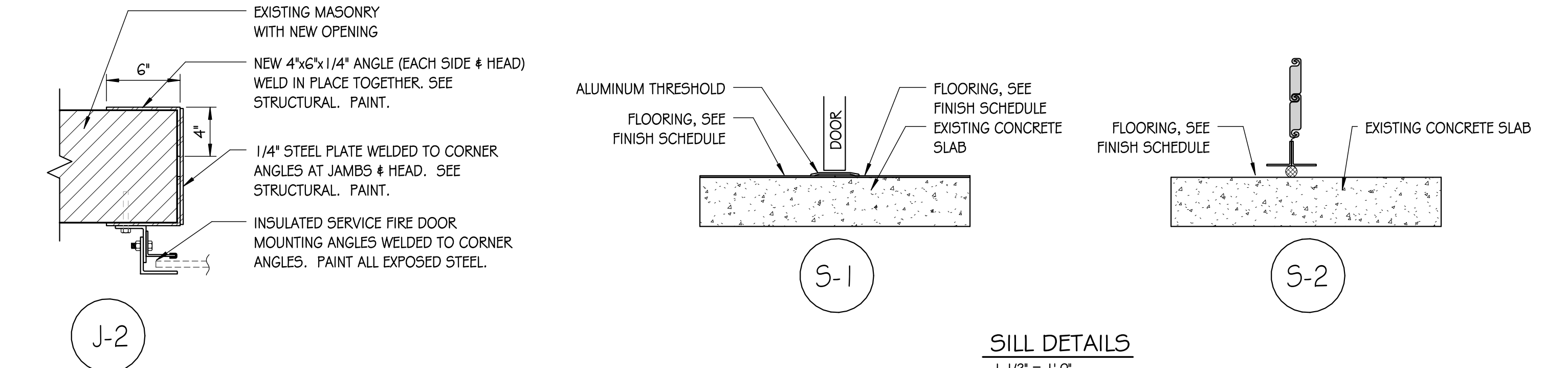
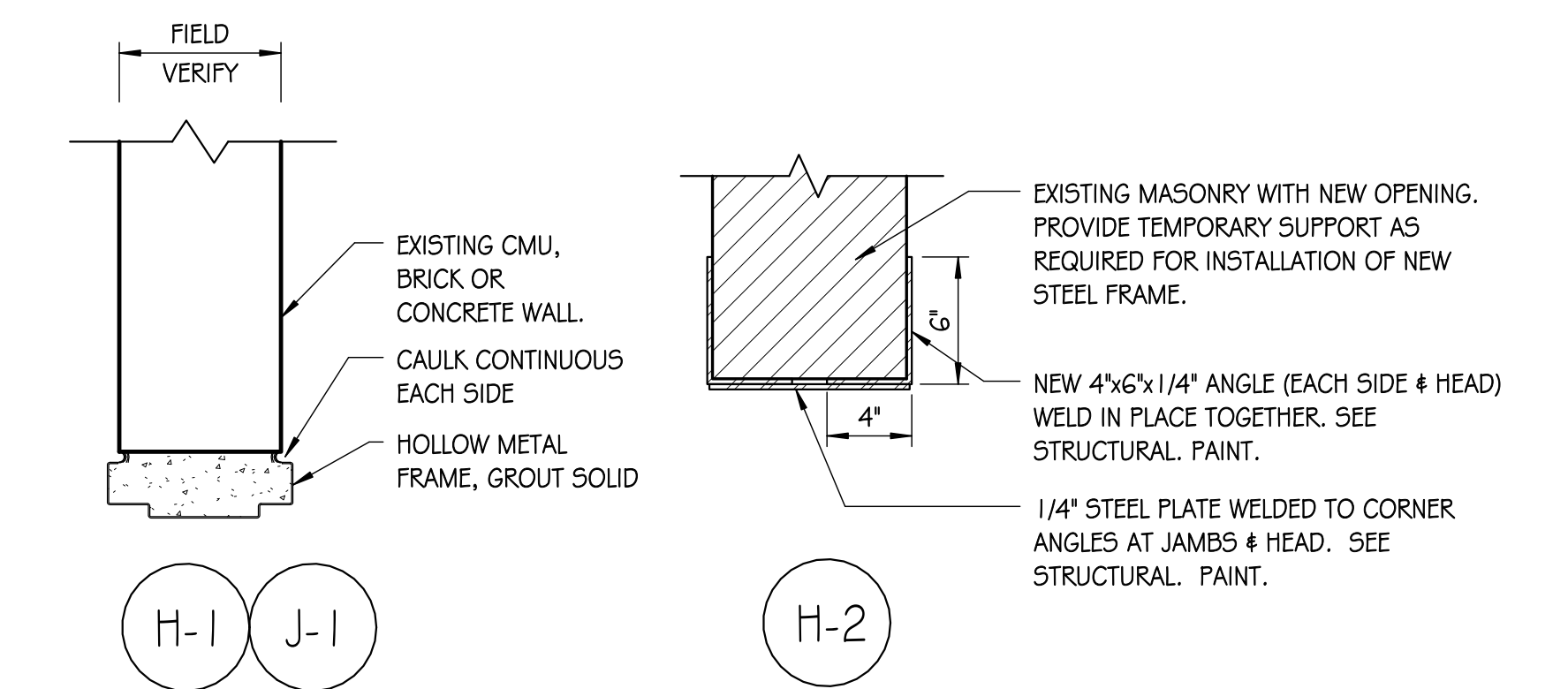
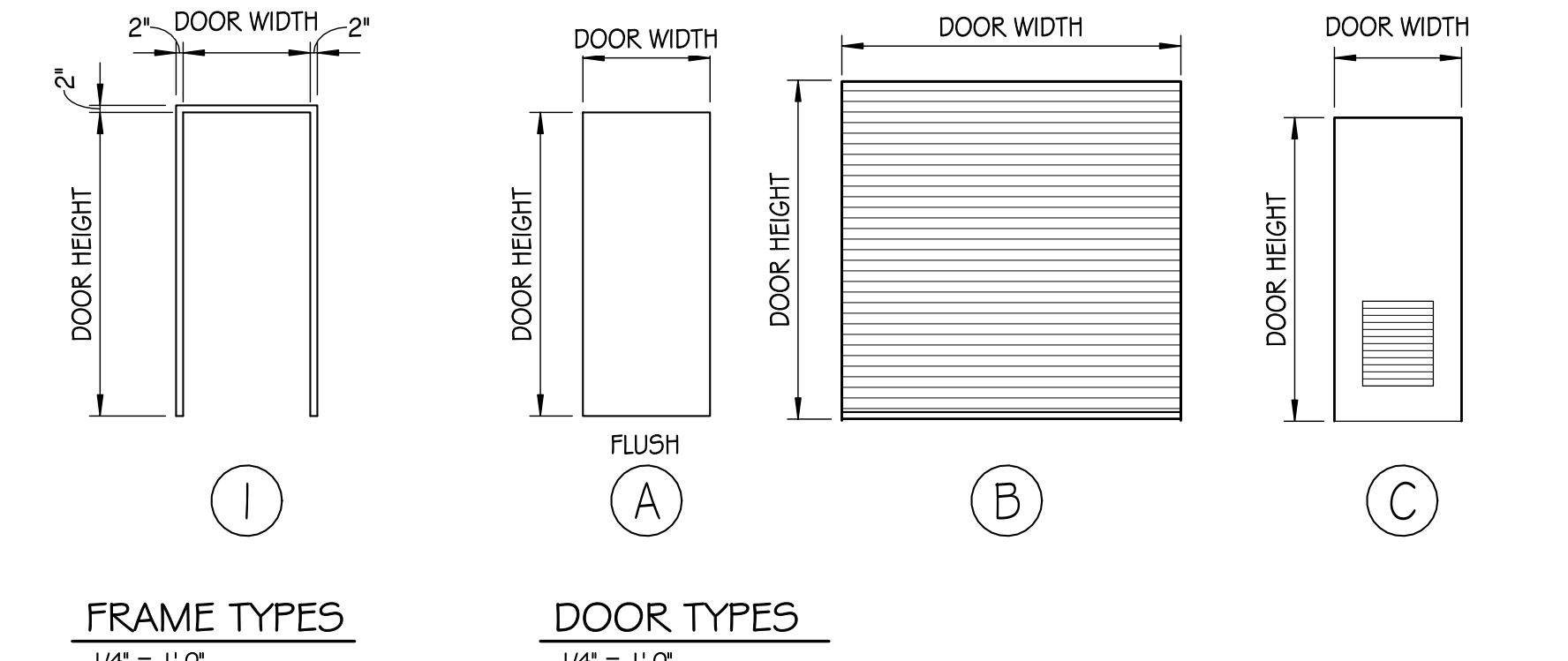
WILLIAMS BRICE STADIUM -
ROOF REPAIR EAST GROUND LEVEL
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



1 BUILDING SECTION
1/2" = 1'-0"

DOOR SCHEDULE															
DOOR #	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	GLASS SIZE	GLASS TYPE	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD	JAMB	SILL	RATING	REMARKS
101	A	4'-0"	7'-2"	HM	PAINT	-	-	I	HM	PAINT	H-1	J-1	S-1	90 MIN.	INSULATED
102	A	3'-0"	7'-2"	HM	PAINT	-	-	I	HM	PAINT	H-1	J-1	S-1	90 MIN.	INSULATED
103	B	6'-0"	6'-0"	METAL	FACTORY	-	-	-	-	-	H-2	J-2	S-2	90 MIN.	INSULATED
104	A	3'-0"	7'-2"	HM	PAINT	-	-	I	HM	PAINT	H-1	J-1	-	90 MIN.	
105	C	3'-0"	7'-2"	HM	PAINT	-	-	I	HM	PAINT	H-1	J-1	S-1	-	DOOR GRILLE. SEE M101.
106	A	3'-0"	7'-2"	HM	PAINT	-	-	I	HM	PAINT	H-1	J-1	S-1	90 MIN.	

- DOOR SCHEDULE NOTES:
- FIELD VERIFY ALL DOOR SIZES AT EXISTING OPENINGS SCHEDULED TO RECEIVE NEW DOOR ONLY. REPAIR & MODIFY FRAME AS REQUIRED TO RECEIVE NEW DOOR & HARDWARE.
 - MODIFY WIDTH OF OPENINGS AS INDICATED TO RECEIVE NEW DOOR AND FRAME SIZE SHOWN. FIELD VERIFY ALL OPENING SIZES AND CONDITIONS PRIOR TO SUBMITTAL PROCESS.



SILL DETAILS
1/2" = 1'-0"

No	Description	Date

DRAWN BY: SL

CHECKED BY: KM

COMM NO: 14102

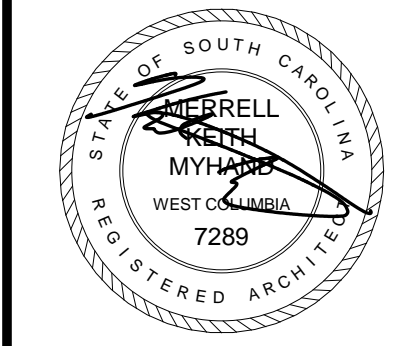
DATE: FEBRUARY 2015

SHEET TITLE:

BUILDING SECTION, DOOR SCHEDULE, AND DOOR & FRAME TYPES

SHEET NO:

A401



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**WILLIAMS BRICE STADIUM -
ROOF REPAIR EAST GROUND LEVEL
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA**

No	Description	Date

DRAWN BY: **SL**

CHECKED BY: **KM**

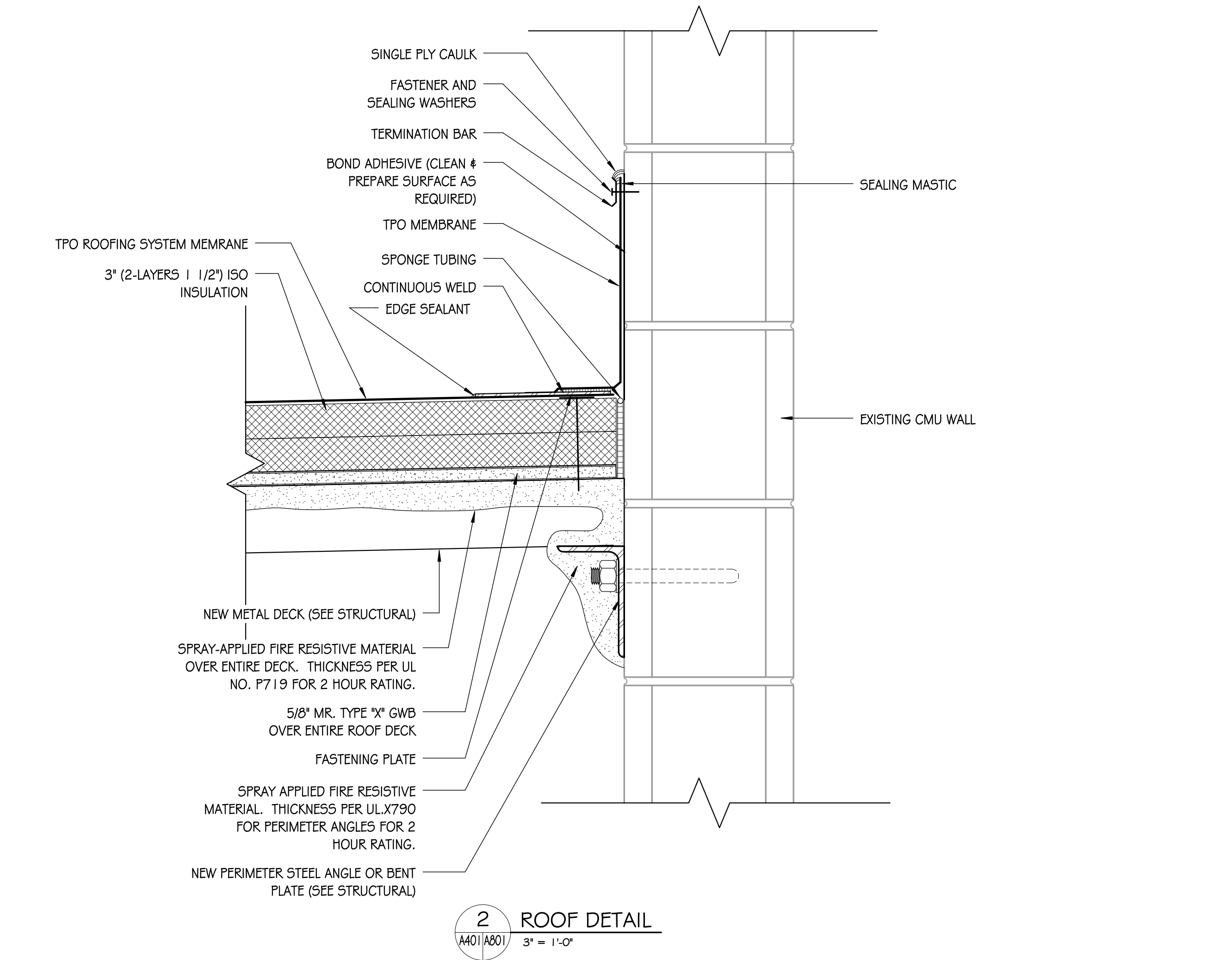
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DATE: **FEBRUARY 2015**

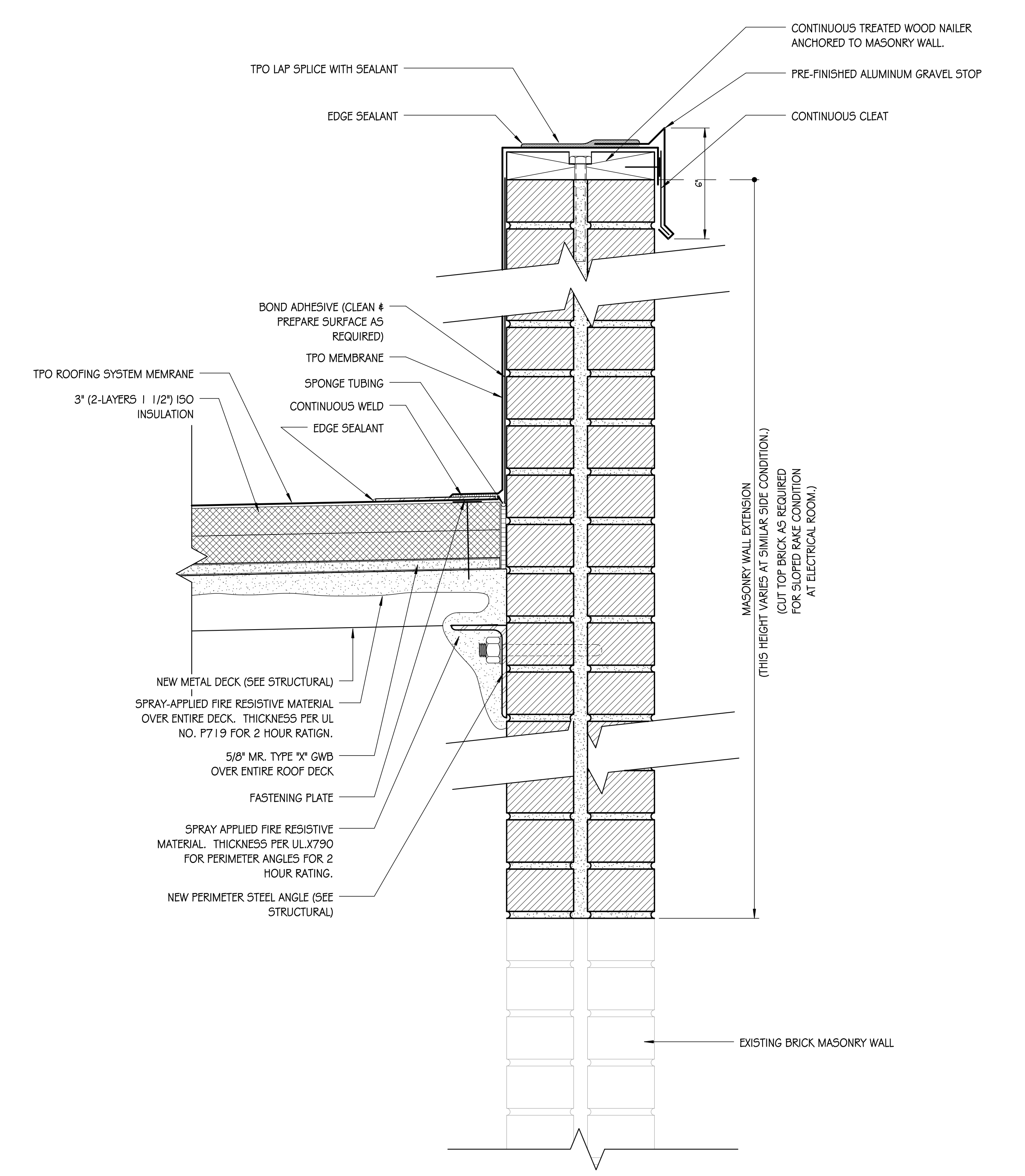
SHEET TITLE: **ROOF PLAN & DETAILS**

SHEET NO:

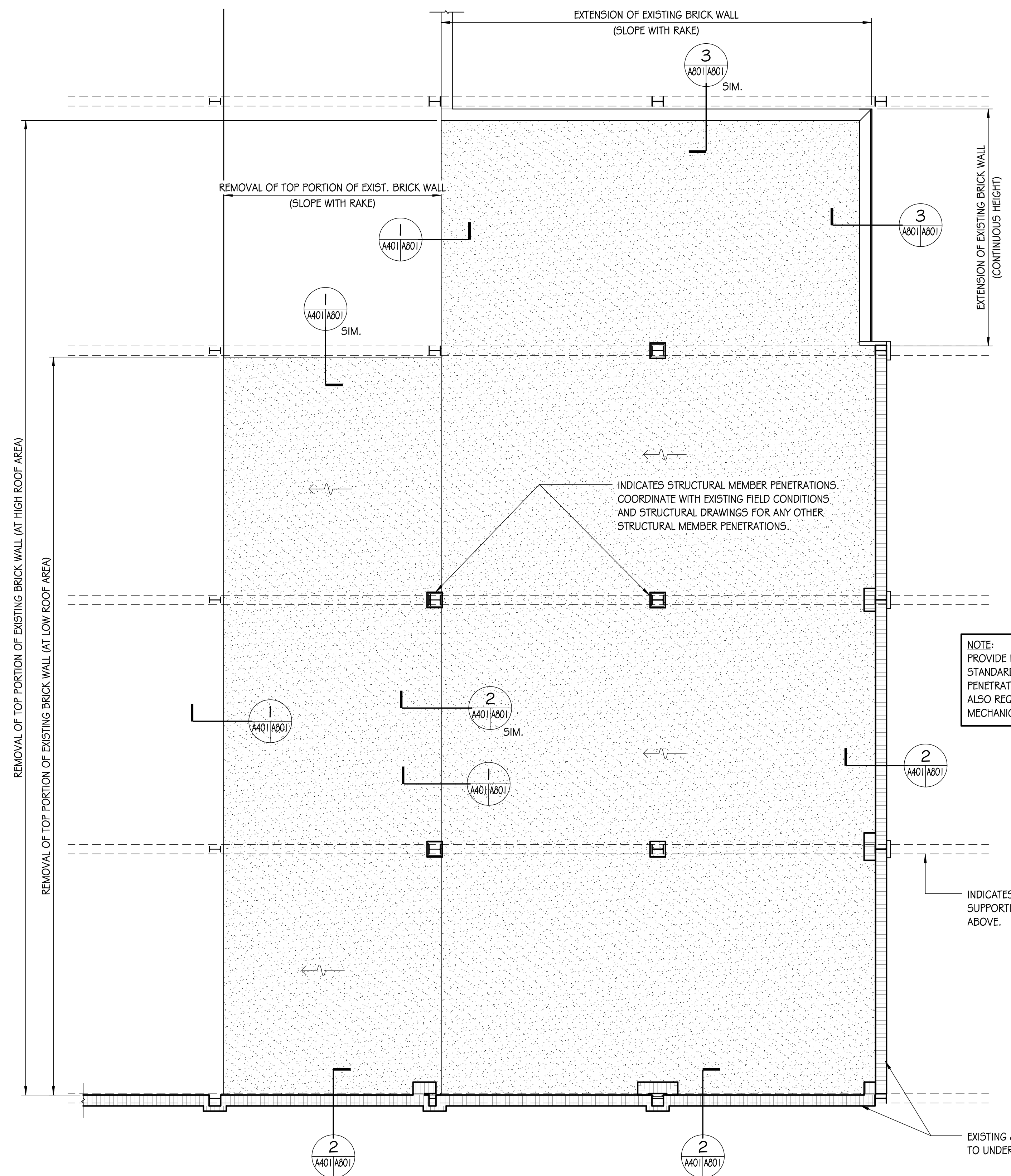
A801



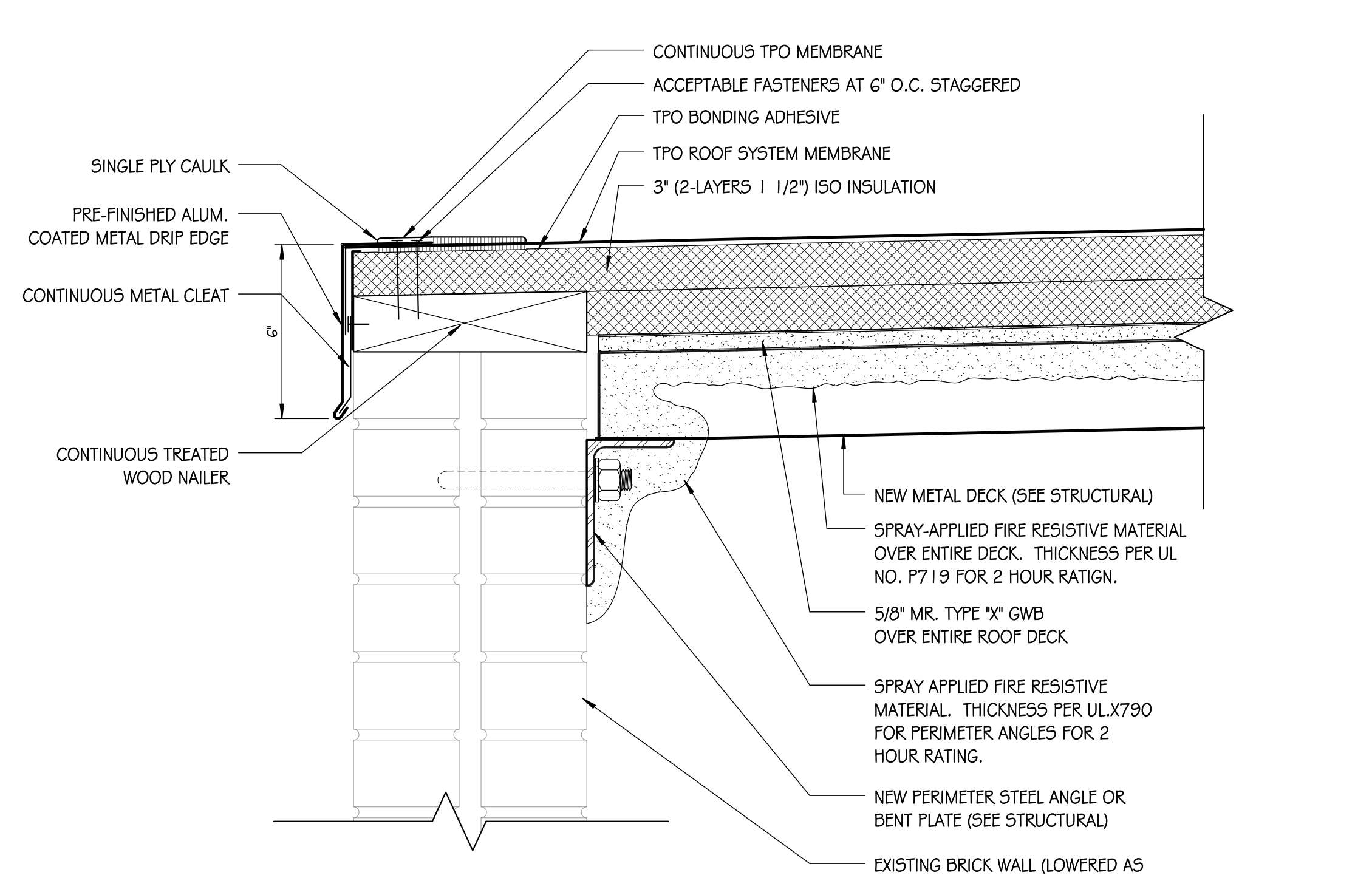
2 ROOF DETAIL
1/4" = 1'-0"



3 ROOF DETAIL
1/4" = 1'-0"

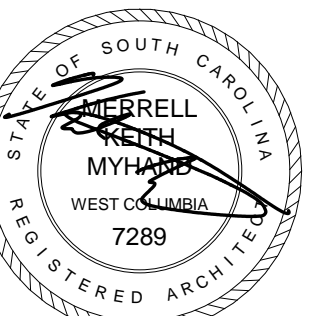


ROOF PLAN
1/4" = 1'-0"

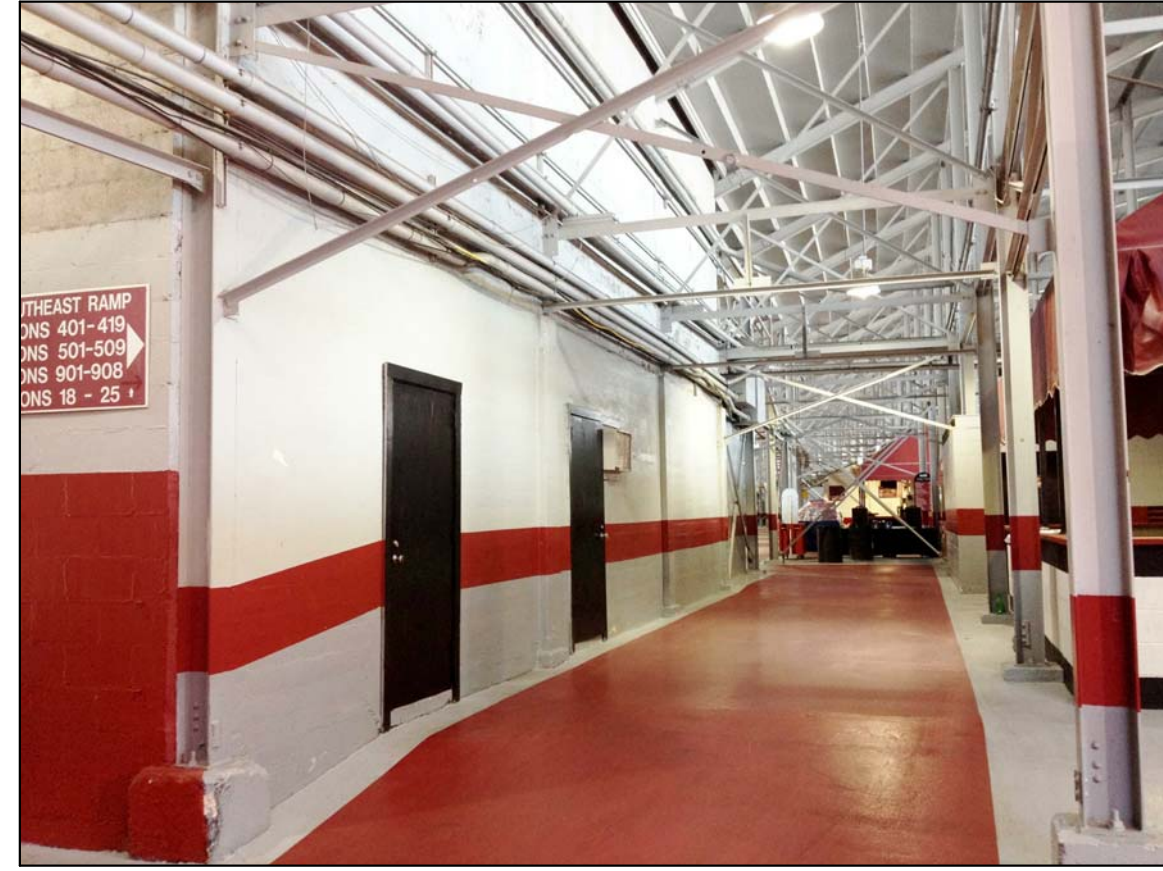


1 ROOF DETAIL
1/4" = 1'-0"

I:\2014\14102 - USC - Replace Roofing for East Grand LVL Custod & Fac Supply Area\DWG\1 - Construction Documents\WBS East Ground Level.rvt 3/9/2015 11:29:40 AM



1



2



3



4



5



6



7



8a



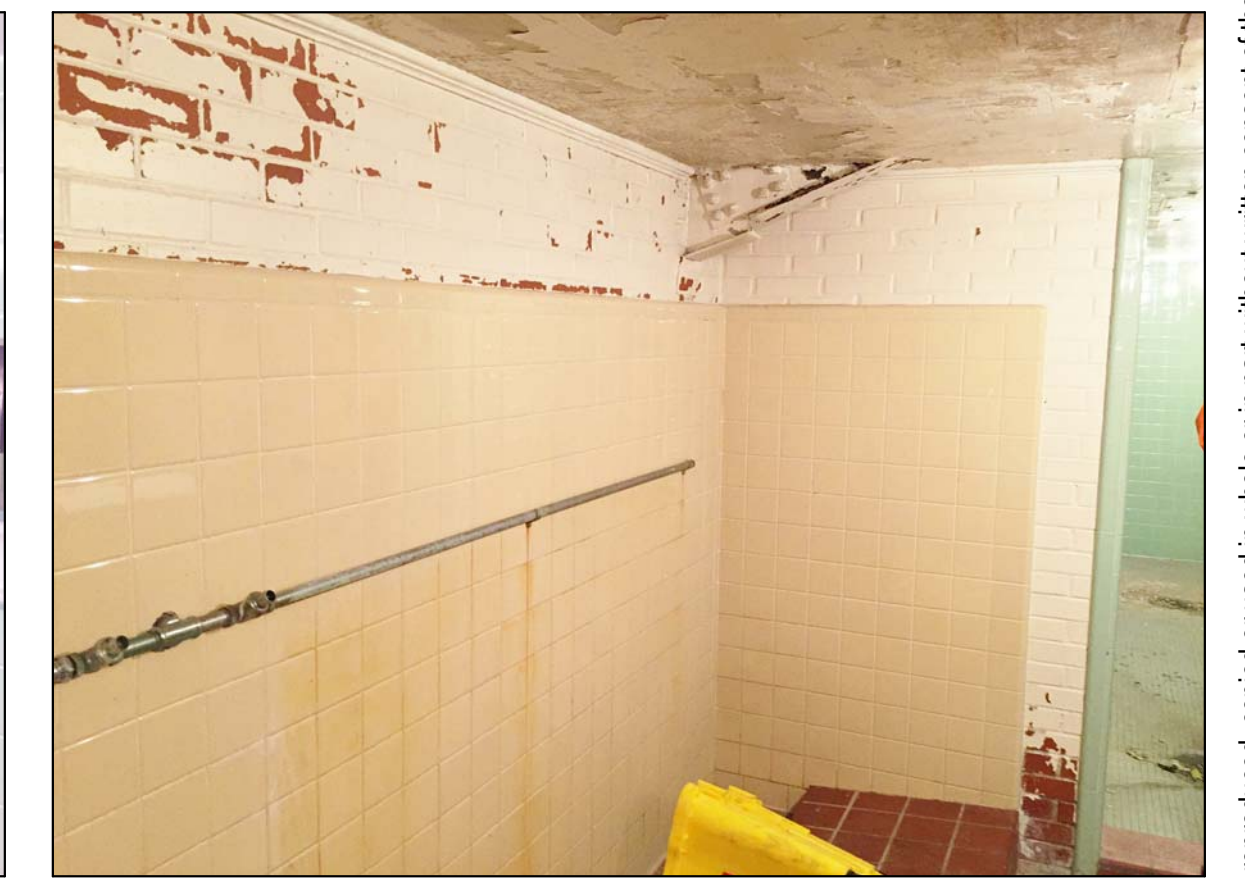
8b



9a



9b



10



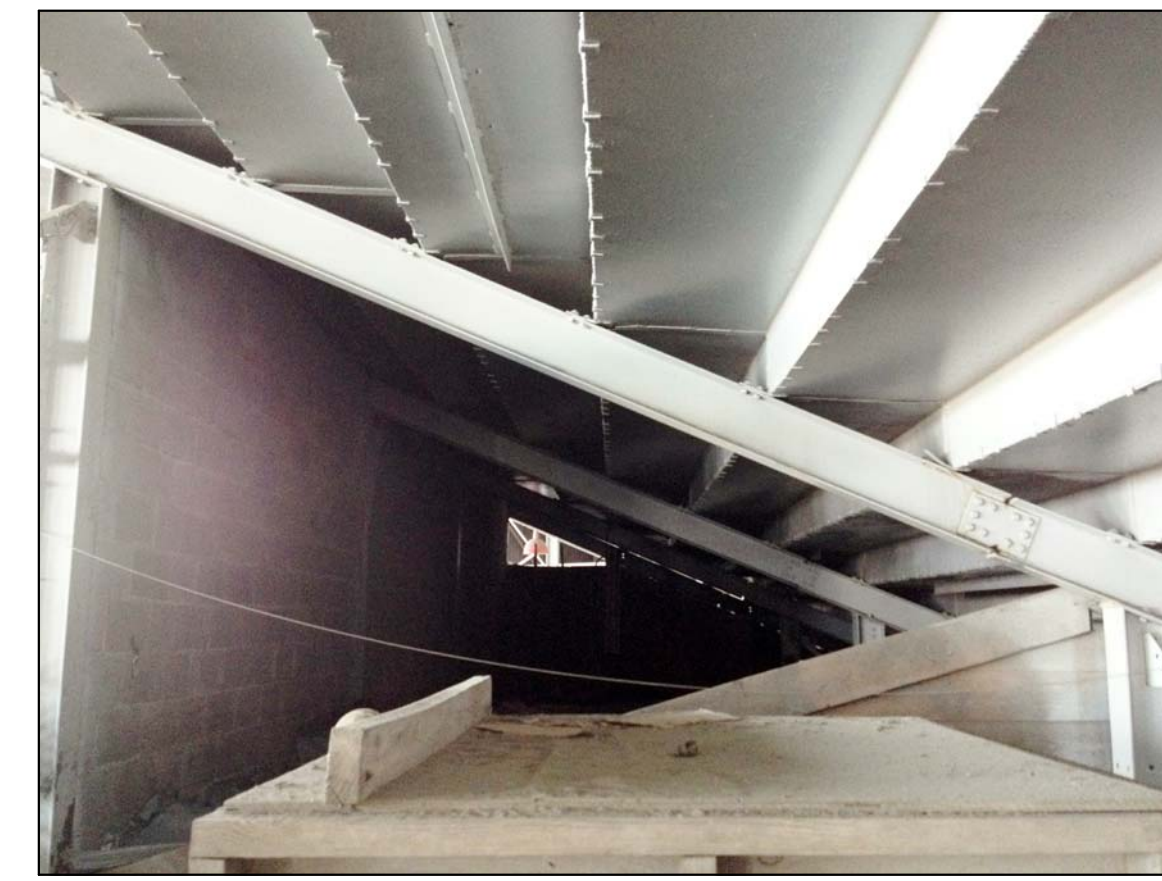
11



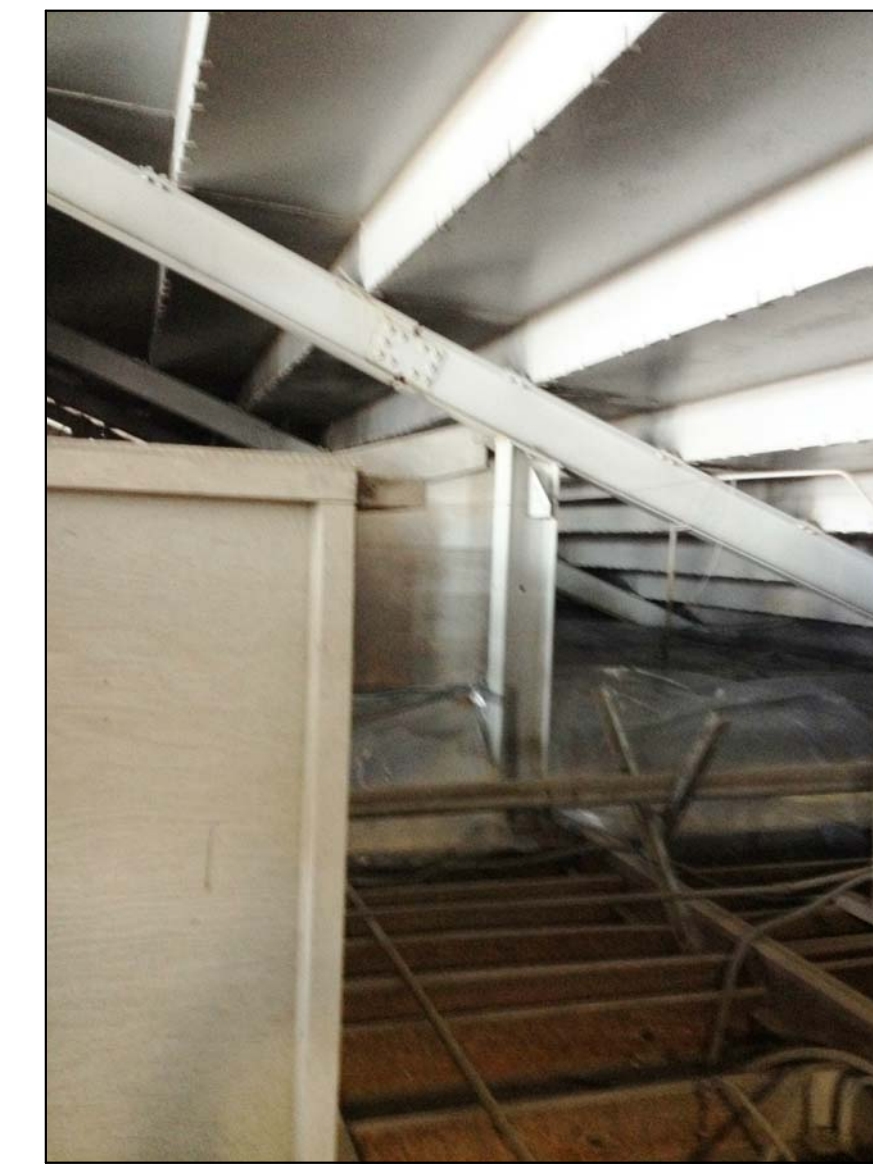
12a



12b



12c



12d



12e

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WILLIAMS BRICE STADIUM -
ROOF REPAIR EAST GROUND LEVEL
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

No	Description	Date

DRAWN BY: SL

CHECKED BY: KM

COMM NO: 14102

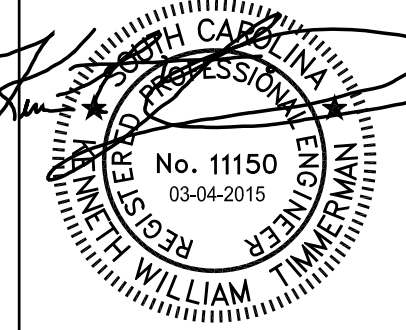
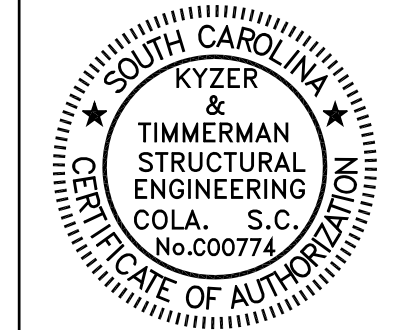
DATE: FEBRUARY 2015

SHEET TITLE:

PROJECT PHOTOGRAPHS

SHEET NO:

A901

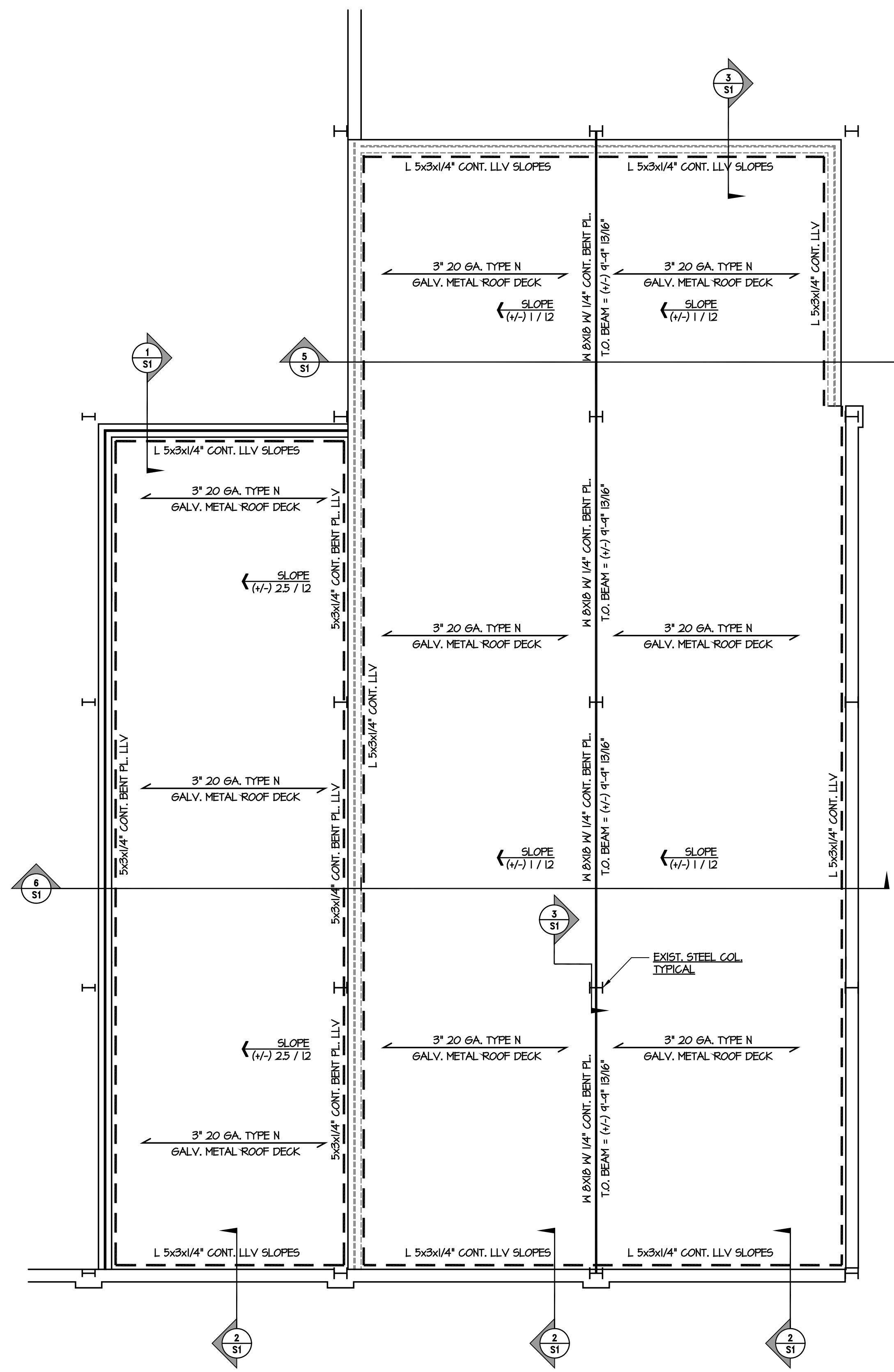


No	Description	Date

DRAWN BY: **CMW**
CHECKED BY: **DWS**
COMM NO: **15-135**
DATE: **MARCH 4, 2015**
SHEET TITLE: **ROOF PLAN, SECTIONS & DETAILS**

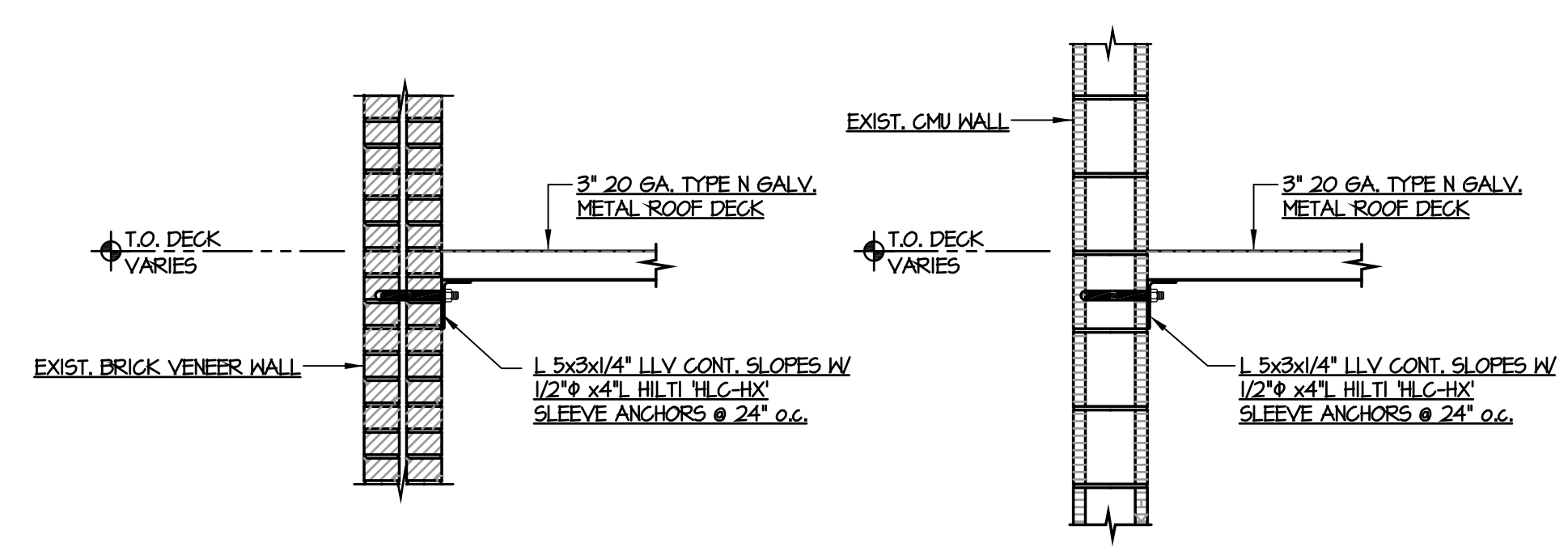
SHEET NO: **S1**

- STRUCTURAL/GENERAL NOTES:**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY, GATHER AND SUBMIT ALL SHOP DRAWINGS TO THE ARCHITECT OR LEAD DESIGNER FOR STRUCTURAL COMPONENTS. THIS STIPULATION IS FOR THE SPECIFIC PURPOSE OF KEEPING TRACK OF THE REQUIRED SHOP DRAWINGS FOR THE PROJECT THEREBY PROVIDING THE PROJECT WITH ALL THE SHOP DRAWINGS RELATING TO STRUCTURAL COMPONENTS AND STRUCTURAL SYSTEMS, THOUGH THE STRUCTURAL ENGINEER MAY PERFORM SITE VISITS THESE VISITS DO NOT RELIEVE THE CONTRACTOR FROM THE DUTIES OF GATHERING AND SUBMITTING SHOP DRAWINGS RELATING TO THE STRUCTURAL DRAWINGS, NOR DOES THE PRESENCE OF THE ARCHITECT OR STRUCTURAL ENGINEER RELIEVE THE CONTRACTOR FROM PROVIDING THE NECESSARY QUALITY CONTROL OVER THIS PROJECT.
 - THE STRUCTURAL DRAWINGS ARE NOT TO BE REPRODUCED FOR SHOP DRAWINGS, SECTION SHEETS OR ERECTION PLANS. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, MEANS AND METHODS, AND ERECTION PROCEDURES PRIOR TO ARCHITECT & STRUCTURAL ENGINEER'S REVIEW. AMPLE TIME AS DETERMINED BY THE REVIEWER, SHALL BE ALLOTTED FOR THE REVIEW OF SHOP DRAWINGS. 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. FINAL SHOP DRAWINGS STRUCTURAL SHOP DRAWINGS ARE REQUIRED TO BEAR THE SEAL OF A REGISTERED ENGINEER IN THE PROJECT STATE.
 - THE CONTRACTOR SHALL BE AWARE OF ANY EXISTING SITE CONDITIONS WHICH MAY HAVE A BEARING ON THE CONSTRUCTION COST, WORKING CONDITIONS FOR THIS PROJECT.
 - EXISTING BUILDINGS/STRUCTURES, DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS WILL REQUIRE FIELD VERIFICATION, DEPENDING ON FIELD CONDITIONS BEYOND THE DESIGNERS CONTROL. SOME STRUCTURAL/ARCHITECTURAL SECTIONS AND/OR DETAILS WILL REQUIRE MODIFICATION. THE CONTRACTOR SHALL INCLUDE THE ALLOWANCE NECESSARY TO PERFORM THESE MODIFICATIONS AND ASSOCIATED WORK. THE CONTRACTOR PERFORMING ALL WORK IS EXPECTED TO HAVE AT LEAST 5 YEARS EXPERIENCE IN PROJECTS OF THIS TYPE, SIZE AND SCOPE OF WORK. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO OBSERVE THE FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS FOR ACCURACY.
 - QUESTIONS RELATING TO THESE STRUCTURAL DRAWINGS MAY BE SUBMITTED IN WRITING, THROUGH THE ARCHITECT OR PRIME PROFESSIONAL TO THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER SHALL BE COPIED AT:
 - KYZER & TIMMERMAN STRUCTURAL ENGINEERS
580 CHRIS DRIVE
WEST COLUMBIA, SC 29169
(803) 791-4511
(803) 791-4522 (FAX)
 - UNLESS NOTED OTHERWISE, STRUCTURAL STEEL GRADES FOR ALL STEEL SHALL BE AS INDICATED BELOW:
 - A. ANCHOR BOLTS A307
 - B. CONNECTION BOLTS A325 OR A490
 - C. PLATES AND FLAT BARS A36
 - D. STEEL PIPE A53, TYPE E OR S, GRADE B, F_y=35ksi
 - E. STRUCTURAL TUBING A500, GRADE B, F_y=46 ksi
 - F. WIDE FLANGE SHAPES A992, GRADE 50
 - G. OTHER ROLLED SHAPES A36
 - H. MISCELLANEOUS SHAPES A36
 - THE FIREPROOFING ASSOCIATED WITH STRUCTURAL ELEMENTS IS NOT SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL REFER TO THE ARCHITECTURAL DRAWINGS AND APPLICABLE BUILDING CODE FOR FIRE RATING INCLUDING MATERIALS AND METHODS.
 - ALL MISC. & STRUCTURAL STEEL COMPONENTS (BEAMS, ANGLES, ETC.) TO RECEIVE FIREPROOFING SHALL BE "UNPRIMED".



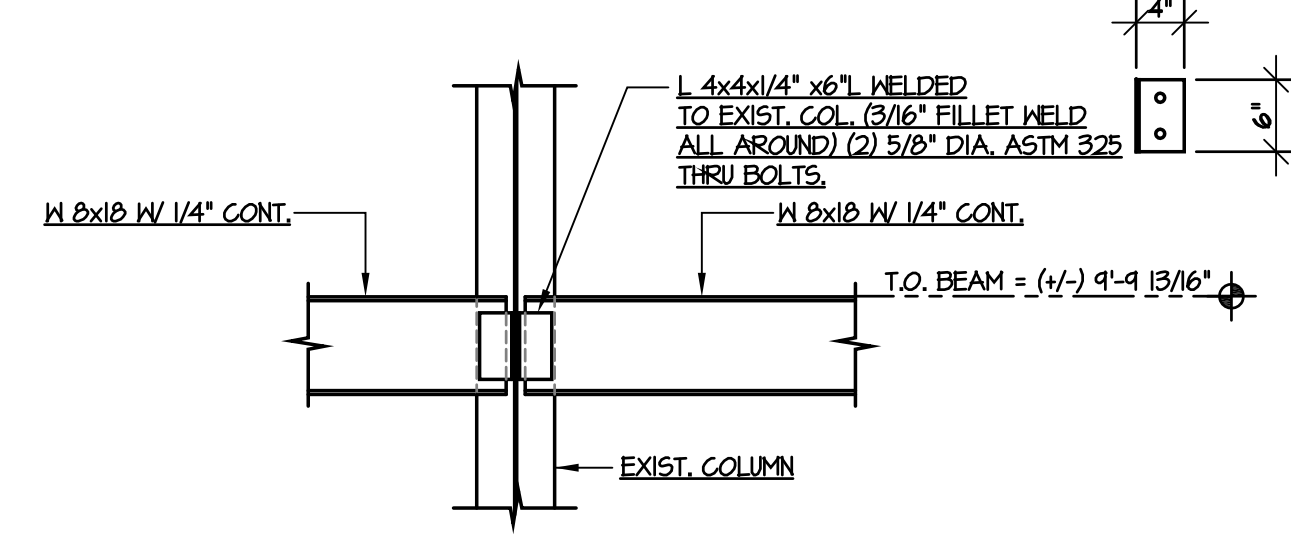
EXISTING X-BRACING NOTE:
SEVERAL LOCATIONS OF EXISTING STEEL X-BRACING EXISTS IN THIS PROJECT AREA WHERE IT CURRENTLY CONFLICTS WITH THE PROPOSED ROOF ELEVATION. IT IS OUR OPINION, THIS X-BRACING HAS BEEN PREVIOUSLY ALTERED DUE TO THE FACT THAT THE BRACING SYSTEM DOES NOT EXTEND DOWN TO THE GROUND FLOOR LEVEL OF THE COLUMNS. A TRADITIONAL X-BRACED SYSTEM WOULD NEED TO EXTEND TO THE FLOOR, THEREFORE RENDERING THIS X-BRACING DISABLED. ANY X-BRACING THAT CONFLICTS WITH THIS NEW ROOF, IN ITS EXISTING STATE AND DOES NOT FRAME TO THE COLUMNS AT THE GROUND FLOOR LEVEL, MAY BE REMOVED AS PART OF THIS PROJECT.

Roof Framing Plan
SCALE: 1/4" = 1'-0"

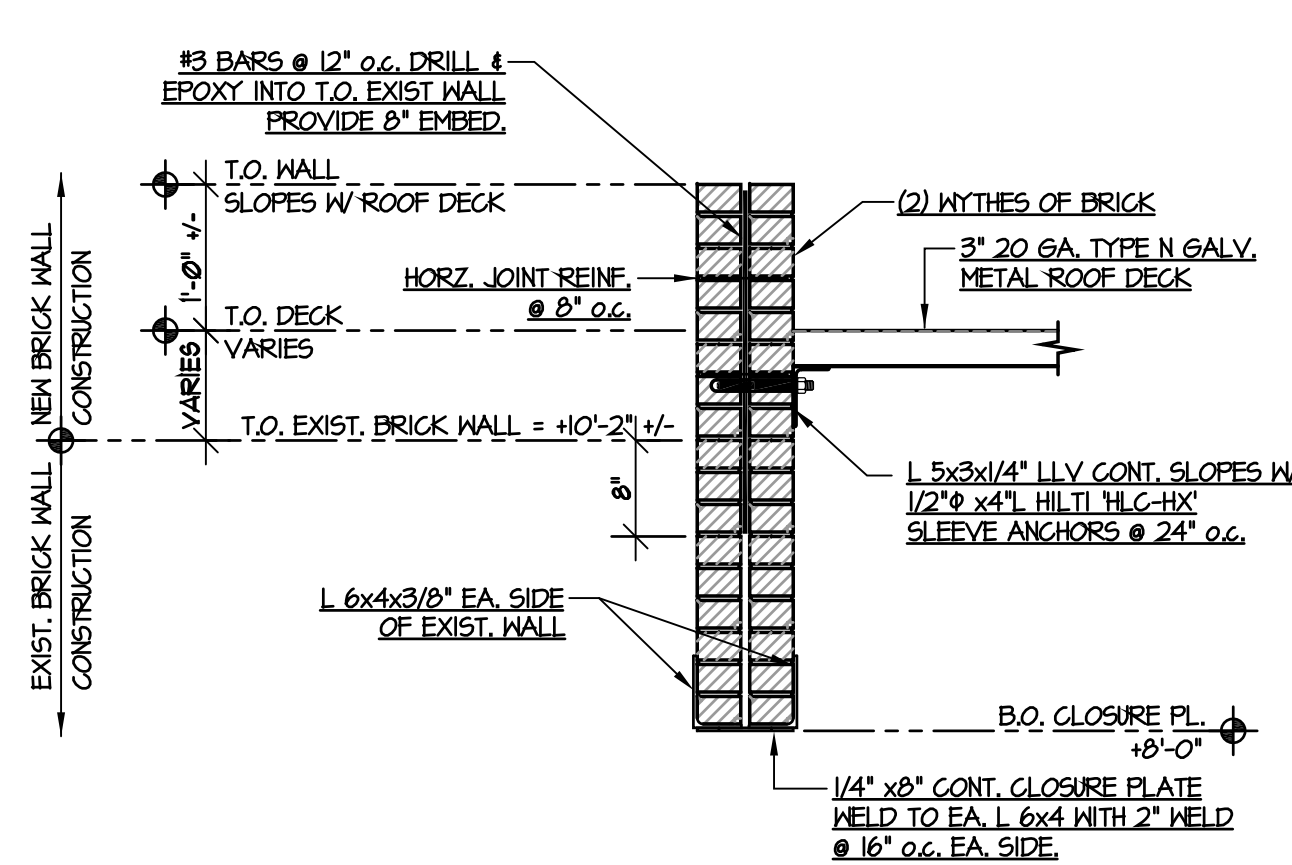


SECTION 1
S1

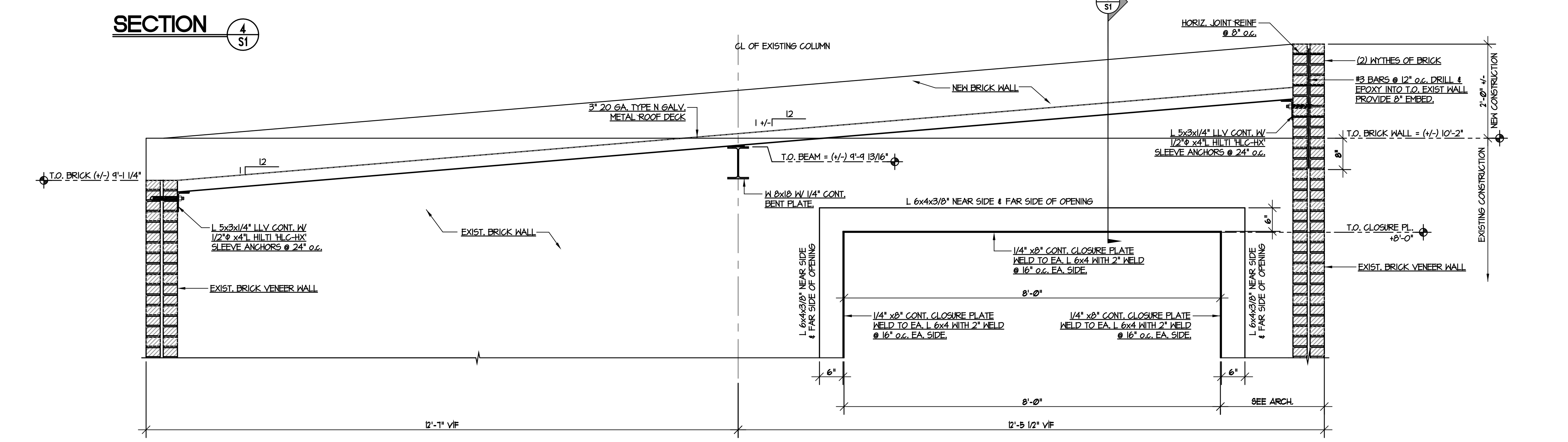
SECTION 2
S1



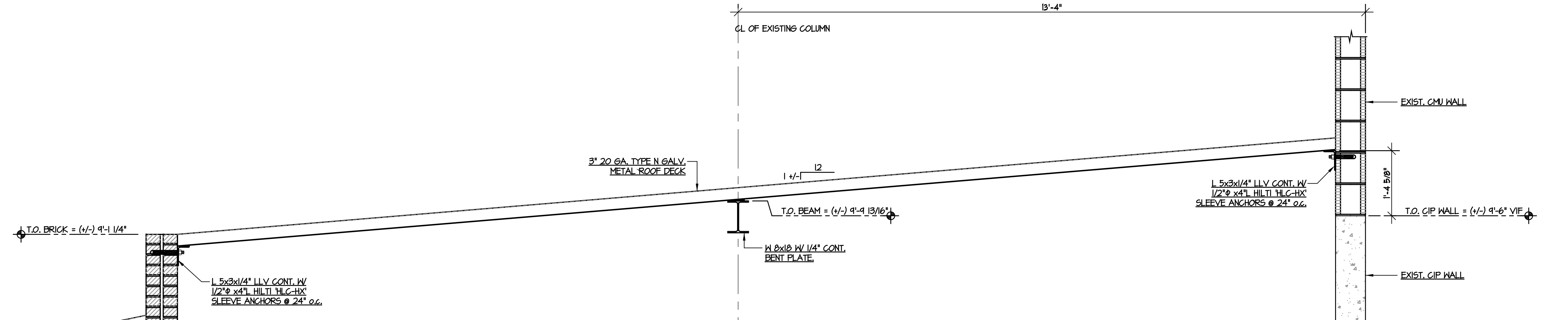
SECTION 4
S1



SECTION 3
S1



SECTION 5
S1



SECTION 6
S1

**3\"/>

TYPE	GAUGE	FINISH
N	20	GALVANIZED (G60)
Sp	Sn	lp in Fy min.
0.507 in. ²	0.936 in. ²	1.088 in. ² 33 ksi

SUPPORT ATTACHMENT

ATTACH DECK TO ALL SUPPORTS WITH HILTI PINS OR #10 SELF DRILLING SCREWS, USING PATTERNS / SPACING INDICATED:

INTERMEDIATE: 24/4
ENDS / END LAPS: 24/4
PERIMETER: 12-9.0

ATTACH PARTIAL SHEETS IN ALL FLUTES

SIDE LAP ATTACHMENT

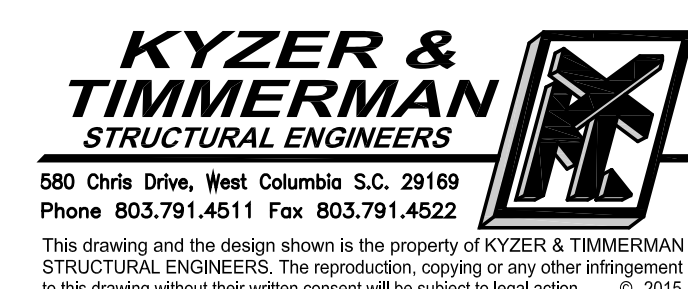
SIDE LAPS TO BE ATTACHED BETWEEN SUPPORTS WITH (3) #10 SELF DRILLING SCREWS BETWEEN SUPPORTS

NOTES:

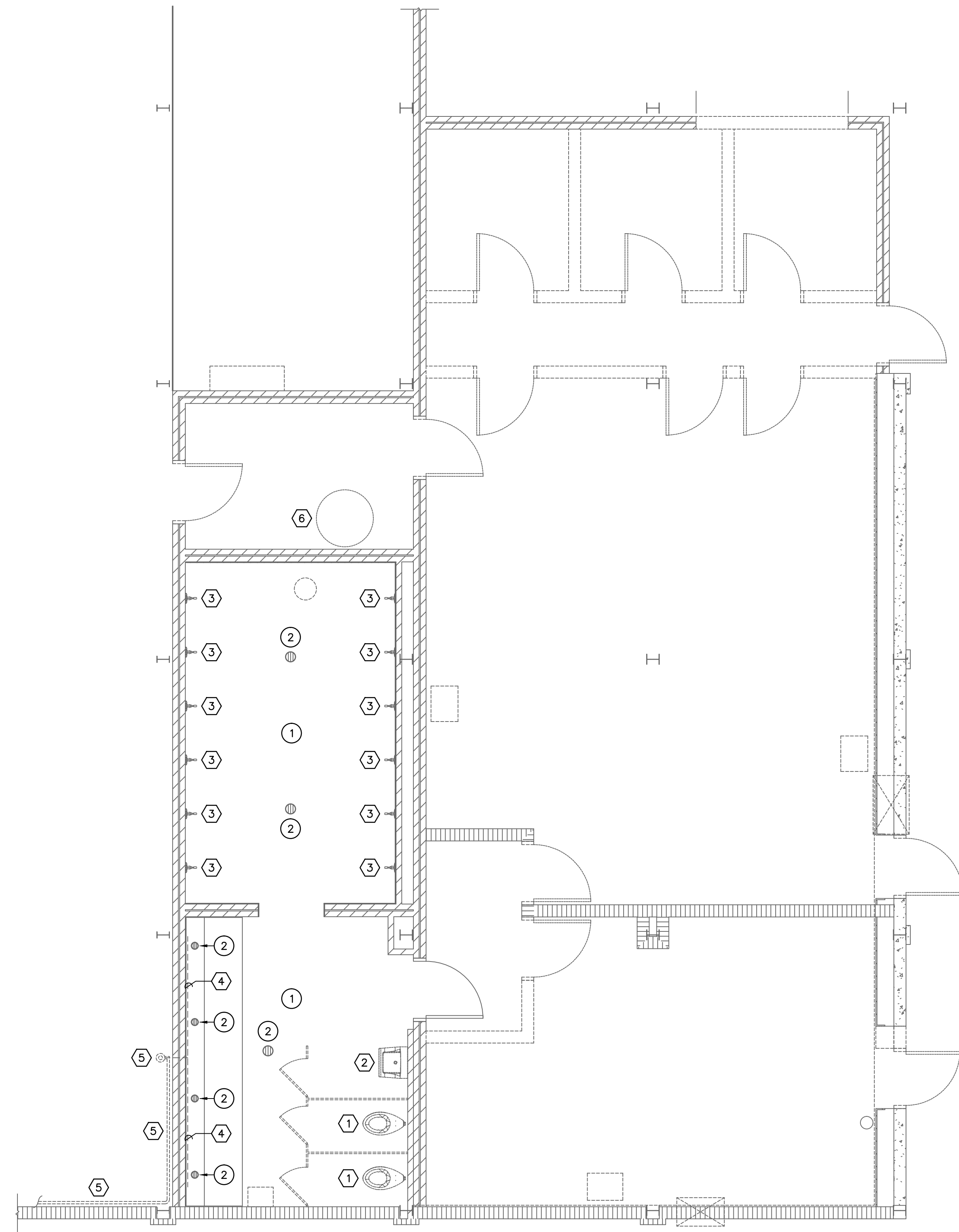
- METAL DECK SHALL CONFORM TO THE APPROPRIATE "UL" CERTIFICATION CRITERIA AS SPECIFIED BY THE ARCHITECT.
- THE ATTACHMENT OF MEP COMPONENTS TO THE DECK SHALL BE MADE WITH THE APPROPRIATE SELF-DRILLING SCREWS AND ALL "UNDERNEATH" FASTENING SHALL TAKE PLACE THROUGH THE VERTICAL DECK FLUTES. THIS IS IN AN EFFORT TO LOAD THE FASTENERS IN SHEAR.

END LAP DETAIL

LAP ENDS LAPS ARE TO OCCUR AT SUPPORTS ONLY.**



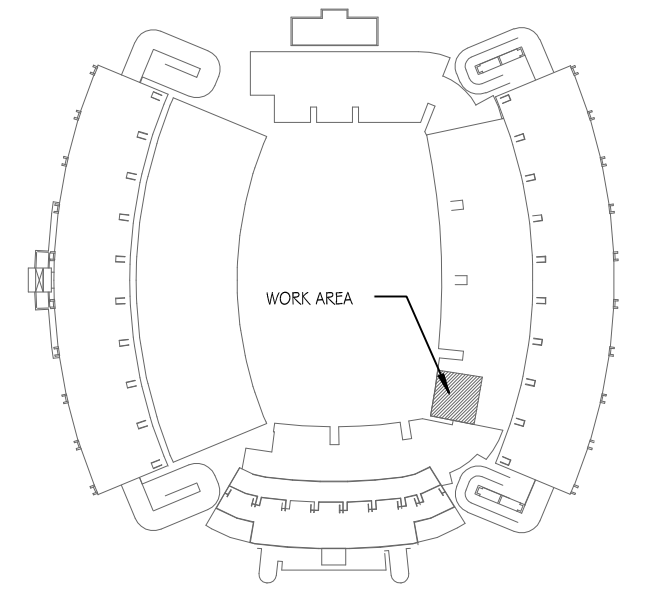
N:\PROJECTS\15100 DRAWINGS\PLUM\15100-PI101.dwg



1 DEMOLITION PLAN @ EAST GROUND LEVEL
PI101 SCALE: 1/4" = 1'-0"

- DEMOLITION NOTES**
- ① EXISTING FLOOR MOUNTED WATER CLOSET TO BE REMOVED COMPLETELY. EXISTING WASTE PIPING TO BE CAPPED BELOW SLAB. REMOVE ALL OVERHEAD VENT AND SUPPLY PIPING. CAP AND ABANDON PIPING CONCEALED WITHIN WALLS.
 - ② EXISTING WALL HUNG LAVATORY TO BE REMOVED COMPLETELY. CUT EXISTING WASTE, VENT, AND SUPPLY PIPING FLUSH WITH TILE AND ABANDON IN WALL. REMOVE ALL ASSOCIATED OVERHEAD PIPING. DO NOT DISTURB CERAMIC TILE.
 - ③ EXISTING SHOWER VALVE AND HEAD TO BE REMOVED. CUT SUPPLY PIPING FLUSH WITH TILE AND ABANDON IN WALL. DO NOT DISTURB CERAMIC TILE.
 - ④ EXISTING DOMESTIC WATER PIPING ALONG WALL TO BE REMOVED. CUT SUPPLY PIPING FLUSH WITH TILE AND ABANDON IN WALL. DO NOT DISTURB CERAMIC TILE.
 - ⑤ EXISTING DOMESTIC WATER PIPING TO BE REMOVED AND CAPPED AT THE SOURCE. EXISTING DOMESTIC WATER PIPING ALONG WALL TO BE REMOVED COMPLETELY.
 - ⑥ EXISTING WATER HEATER AND ASSOCIATED SPECIALTIES TO BE REMOVED COMPLETELY. REMOVE ALL OVERHEAD SUPPLY PIPING. CAP AND ABANDON SUPPLY PIPING CONCEALED WITHIN WALLS.

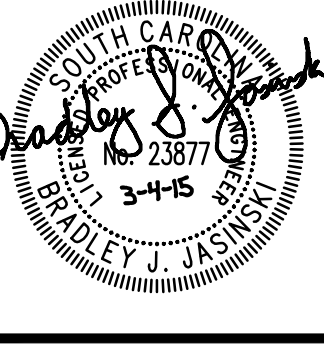
- NOTES TO SHEET**
- ① DO NOT DAMAGE EXISTING CERAMIC TILE IN THIS ROOM. ALL CERAMIC TILE TO REMAIN. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ANY REQUIRED WALL TILE REMOVAL.
 - ② EXISTING FLOOR DRAIN TO REMAIN.



KEY PLAN
 TRUE NORTH PROJECT NORTH NO SCALE

**Jumper
 Carter
 Sease**

**Architects
 PA**
 412 Meeting Street
 West Columbia
 South Carolina



**WILLIAMS BRICE STADIUM -
 ROOF REPAIR EAST GROUND LEVEL
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA**

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No	Description	Date

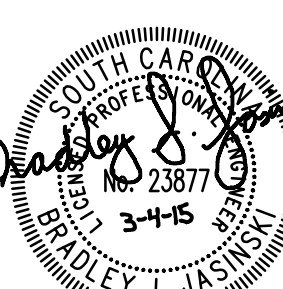
DRAWN BY: **DEM**
 CHECKED BY: **BJJ**
 COMM NO: **14102**
 DATE: **FEBRUARY 2015**

SHEET TITLE:
**DEMOLITION
 FLOOR PLAN
 AND NOTES**

Swygert & Associates
 CONSULTING ENGINEERS

DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9200
 Post Office Box 11666 Columbia, S.C. 29211 Facsimile: (803) 791-9200
 mail@swygert-associates.com

SHEET NO:
P101



Date	Description

DRAWN BY: **BJJ**
CHECKED BY: **BJJ**
COMM NO.: **14102**
DATE: **FEBRUARY 2015**
SHEET TITLE: **FLOOR PLANS, NOTES, SCHEDULES, AND LEGEND**

SHEET NO.: **M101**

GENERAL NOTES

- VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.
- DO NOT SCALE DRAWINGS. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
- ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
- ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY THROUGH WALLS. COMPLY WITH U.L. REQUIREMENTS AT FIRE RATED CONDITIONS.
- ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS, PIPING AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATION.
- EXTEND ALL DRAIN LINES AS INDICATED - SO ROUTED AS TO AVOID INTERFERENCE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED PER STATIC PRESSURE REQUIREMENTS.
- ALL DUCTWORK SPECIFIED TO BE LINED SHALL BE INCREASED IN SIZE TO ALLOW FOR LINER.
- PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT PER MANUFACTURER'S INSTRUCTIONS.
- THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
- THIS CONTRACTOR SHALL DO ALL CONTROL WIRING. ELECTRICAL CONTRACTOR WILL DO ALL POWER WIRING. ALL WIRING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. CONTROL WIRING SHALL BE ROUTED EXPOSED IN EMT CONDUIT.
- LOCATE ALL SPACE CONTROL INSTRUMENTS 4'-0" ABOVE FINISHED FLOOR TO TOP OF DEVICE IN ACCORDANCE WITH ADA.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY DISMANTLING OF EQUIPMENT TO BE REMOVED.
- ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
- 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 AS REQUIRED.

SPLIT SYSTEM HEAT PUMP SCHEDULE

TAG	TRANE MODEL AHU/SHP	COOLING CAP. MBH @ 97/76 TOTAL/SENSIBLE	H.T. CAP. MBH @ 20°F	AUX. HT. KW @ 208V	AIRFLOW CFM	OUTDOOR AIR CFM	ESP IN. W.G.	INDOOR FAN H.P.	SEER/HSPF	REMARKS
AHU-1/SHP-1	4TVM0060B/4TVH0053B	44.7/34.5	20.3	5.8	1,800	-	0.3	1	15.5/8.6	1,2,3,4

- PROVIDE SINGLE POINT POWER CONNECTION AT AIR HANDLER.
- PROVIDE WIRED WALL MOUNTED PROGRAMMABLE CONTROLLER.
- OUTDOOR CONDENSING UNIT MUST DISCHARGE HORIZONTALLY DUE TO CLEARANCE RESTRICTIONS ABOVE.
- PROVIDE AUXILIARY DRAIN PAN WITH FLOAT SWITCH WIRED TO SHUT DOWN THE UNIT IN CASE OF CONDENSATE OVERFLOW.

AIR DISTRIBUTION SCHEDULE

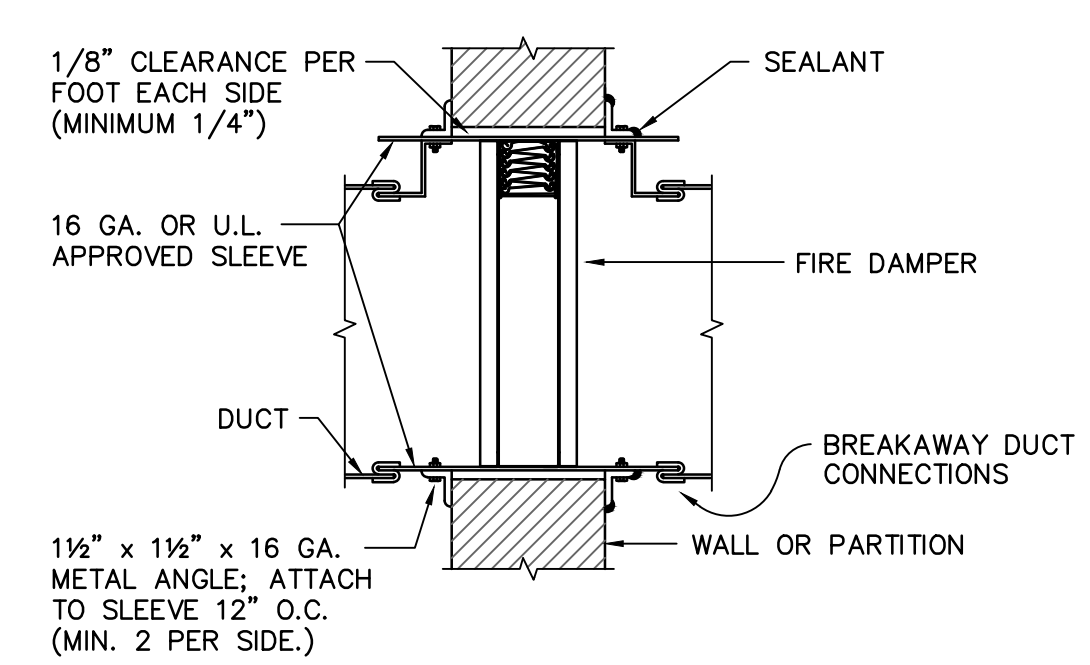
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX WC	REMARKS
(A)	SIDEWALL SUPPLY	PRICE	620	SURFACE	300	10"x8"	12"x10"	30	1,2,3,4
(B)	SIDEWALL SUPPLY	PRICE	620	SURFACE	400	12"x8"	14"x10"	30	1,2,3,4
(C)	LOUVERED RETURN	PRICE	96	SURFACE	- - -	16"x16"	18"x18"	30	1,5
(D)	FILTER RETURN	PRICE	630FF	SURFACE	- - -	22"x22"	24"x24"	30	1,2,6
(E)	DOOR GRILLE	PRICE	STG1	SURFACE	- - -	16"x16"	18"x18"	30	1,5
(F)	SIDEWALL SUPPLY	PRICE	510	SURFACE	100	8"x4"	10"x6"	30	1

- PROVIDE WITH STANDARD WHITE FINISH.
- PROVIDE ALUMINUM CONSTRUCTION.
- PROVIDE WITH OPPOSED BLADE DAMPER.
- PROVIDE WITH DOUBLE DEFLECTION BLADES AND FRONT BLADES PARALLEL WITH SHORT DIMENSION.
- PROVIDE HEAVY GAUGE STEEL CONSTRUCTION.
- PROVIDE WITH 1" THICK DISPOSABLE FILTER MEDIA.

LEGEND

SYMBOL	DESCRIPTION
— R —	REFRIGERANT LINES
— D —	DRAIN LINE
— O —	PIPE TURNS TO, AWAY
(A)100	TYPE "A" DIFFUSER, 100 CFM
(T)	THERMOSTAT
FD	FIRE DAMPER
▭	RECTANGULAR SUPPLY DUCTWORK
48x24	48"x24" RECTANGULAR DUCT
AFF	ABOVE FINISHED FLOOR

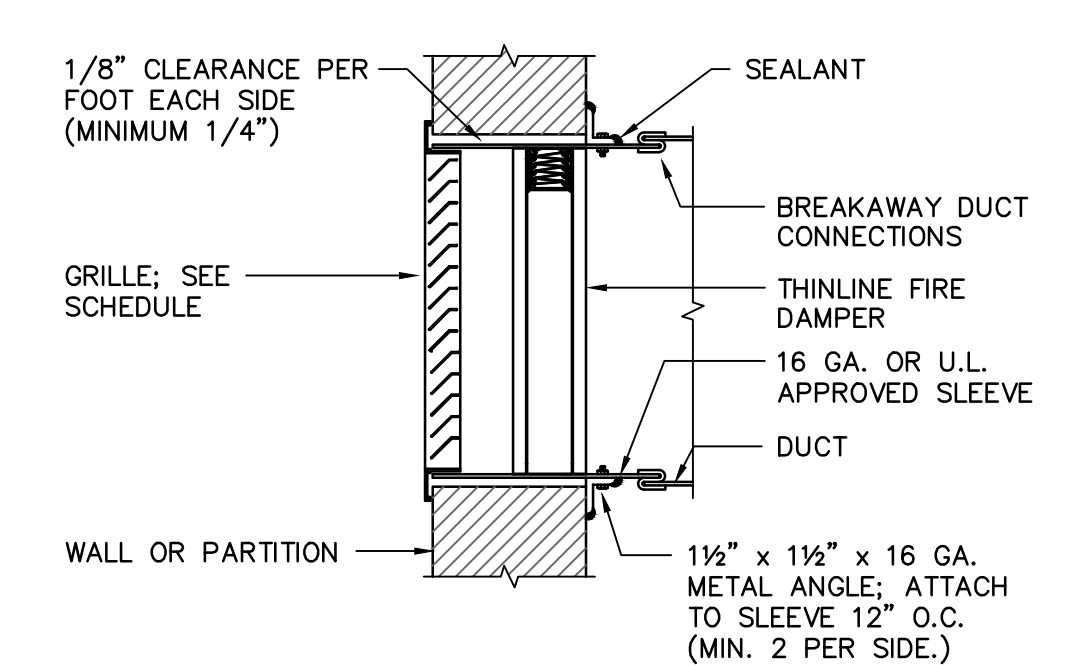
- NOTES:**
- PROVIDE FIRE DAMPERS FOR ALL WALLS INDICATED. SEE ARCHITECTURAL DRAWINGS FOR WALL TYPES AND RATINGS.
 - PROVIDE DUCT ACCESS DOORS.
 - PROVIDE ALL CEILING, FLOOR, OR WALL ACCESS DOORS NECESSARY FOR ACCESS TO FIRE DAMPERS.
 - INSTALLATION SHALL COMPLY WITH SMACNA, NFPA 90A, 2012 IBC, UL555, AND LOCAL AUTHORITIES.
 - SLEEVE SHALL BE MANUFACTURED AS AN INTEGRAL PART OF FIRE DAMPER.
 - IN ALL INSTANCES MANUFACTURER'S UL LISTED INSTALLATION INSTRUCTIONS SHALL BE USED FOR DAMPER INSTALLATION.



FIRE DAMPER DETAIL

NO SCALE

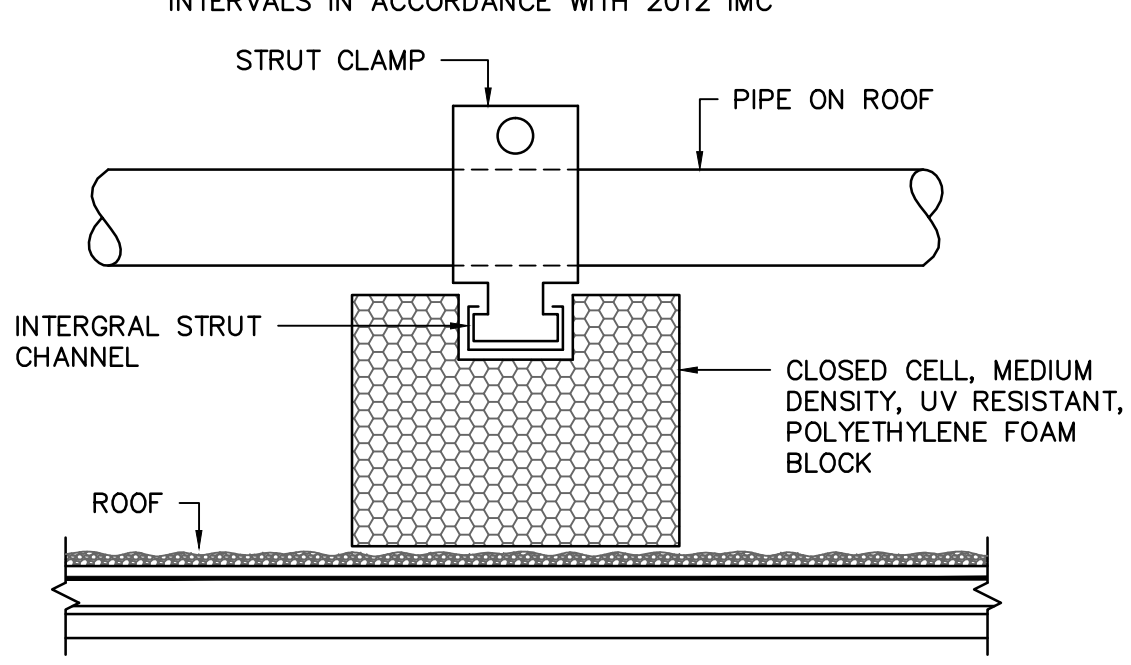
- NOTES:**
- PROVIDE FIRE DAMPERS FOR ALL WALLS INDICATED. SEE ARCHITECTURAL DRAWINGS FOR WALL TYPES AND RATINGS.
 - PROVIDE DUCT ACCESS DOORS.
 - PROVIDE ALL CEILING, FLOOR, OR WALL ACCESS DOORS NECESSARY FOR ACCESS TO FIRE DAMPERS.
 - INSTALLATION SHALL COMPLY WITH SMACNA, NFPA 90A, 2012 IBC, UL555, AND LOCAL AUTHORITIES.
 - SLEEVE SHALL BE MANUFACTURED AS AN INTEGRAL PART OF FIRE DAMPER.
 - IN ALL INSTANCES MANUFACTURER'S UL LISTED INSTALLATION INSTRUCTIONS SHALL BE USED FOR DAMPER INSTALLATION.



FIRE DAMPER AT GRILLE DETAIL

NO SCALE

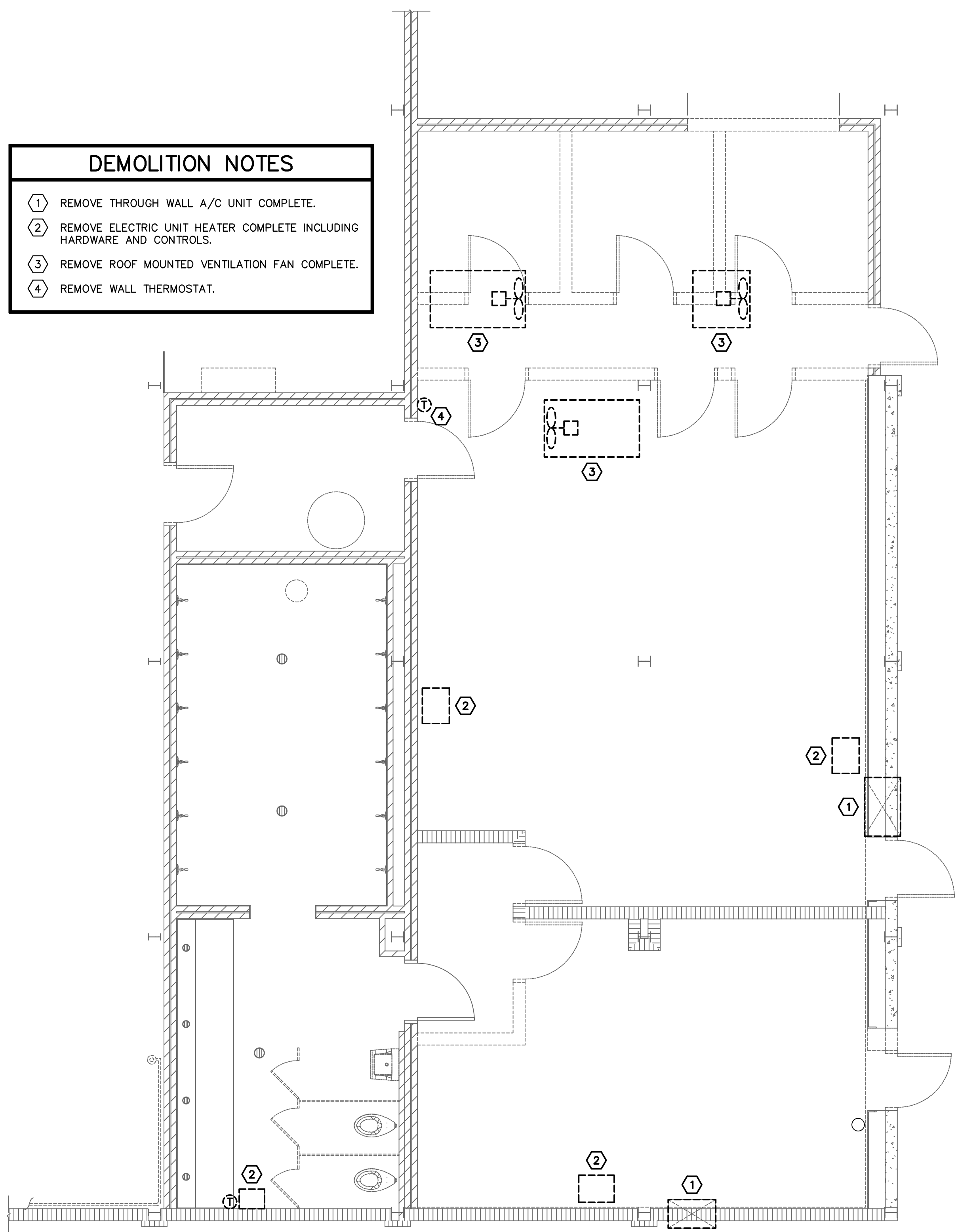
- NOTE:** LOCATE PIPE SUPPORT BLOCKS AT MAXIMUM INTERVALS IN ACCORDANCE WITH 2012 IMC



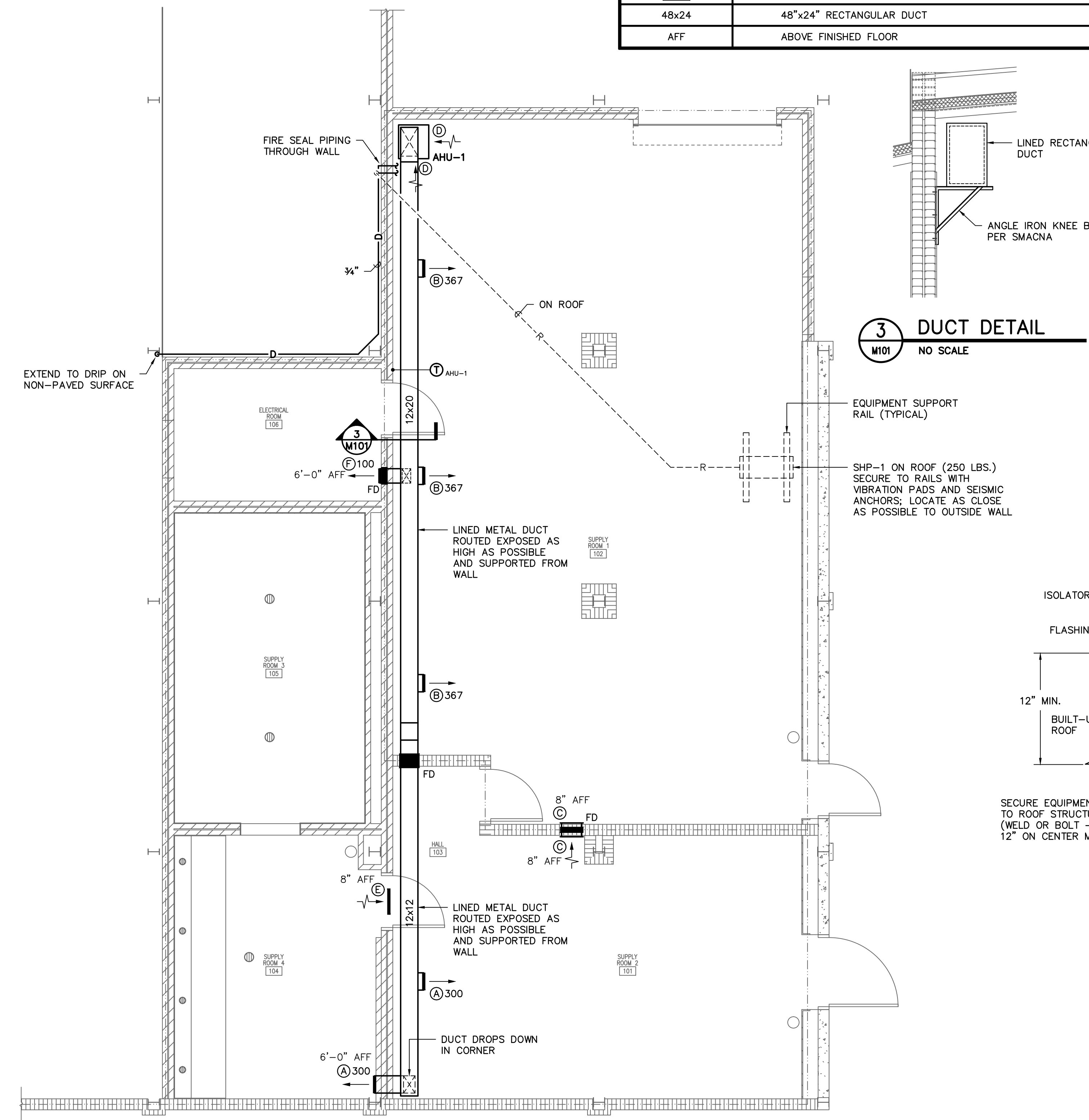
ROOFTOP PIPE SUPPORT DETAIL

NO SCALE

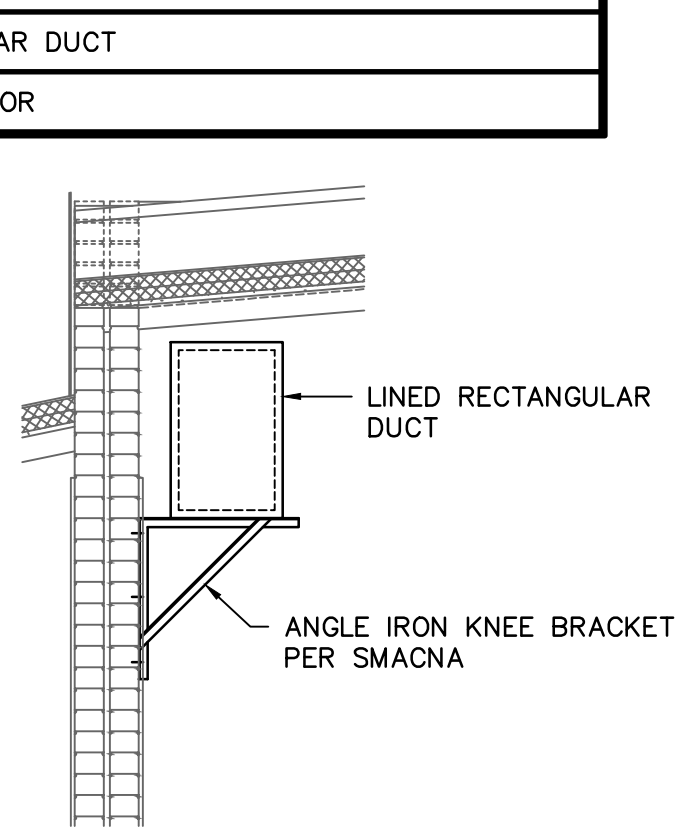
- DEMOLITION NOTES**
- REMOVE THROUGH WALL A/C UNIT COMPLETE.
 - REMOVE ELECTRIC UNIT HEATER COMPLETE INCLUDING HARDWARE AND CONTROLS.
 - REMOVE ROOF MOUNTED VENTILATION FAN COMPLETE.
 - REMOVE WALL THERMOSTAT.



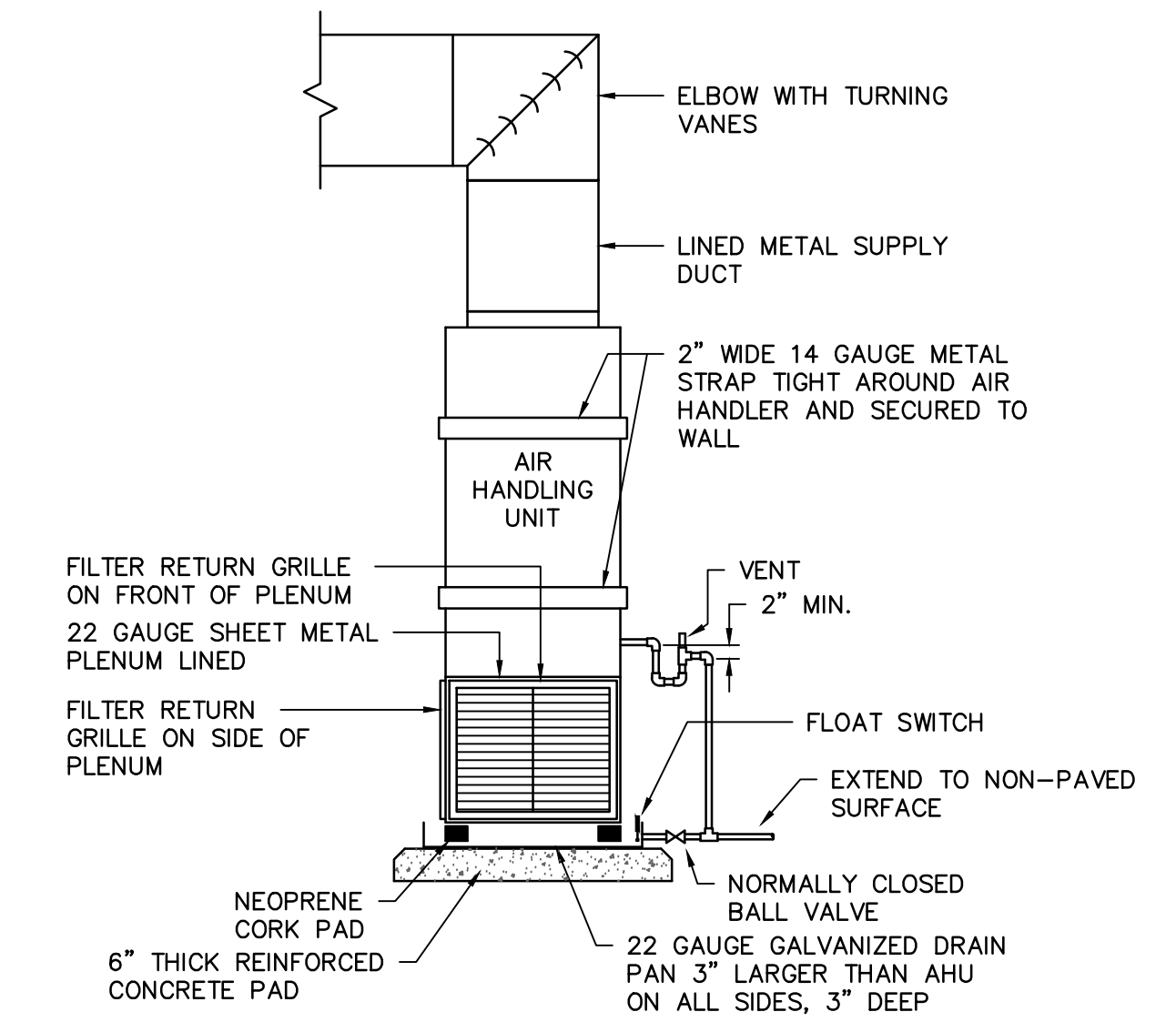
1 DEMOLITION PLAN @ EAST GROUND LEVEL
SCALE: 1/4" = 1'-0"



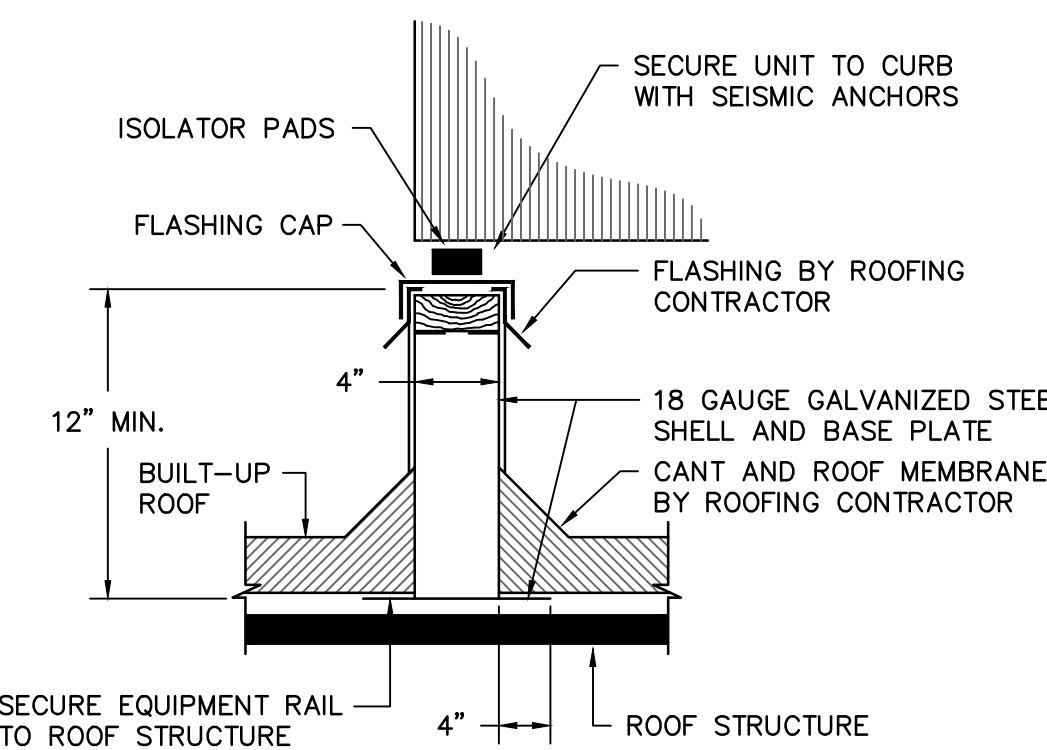
2 FLOOR PLAN @ EAST GROUND LEVEL
SCALE: 1/4" = 1'-0"



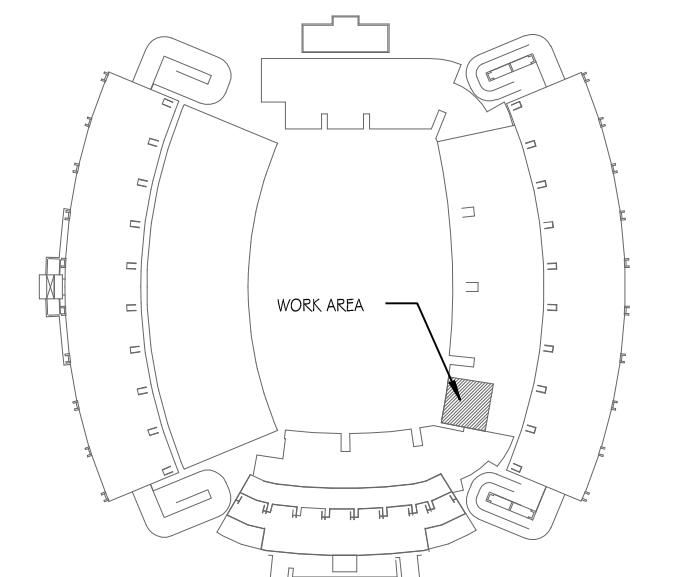
3 DUCT DETAIL
NO SCALE



AHU-1 DETAIL
NO SCALE



ROOF SUPPORT DETAIL
NO SCALE

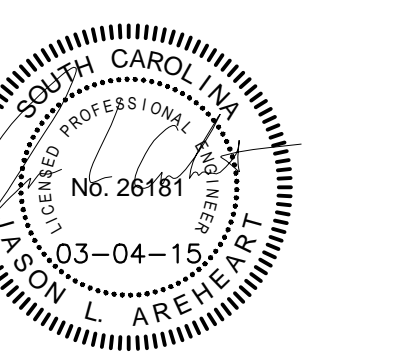
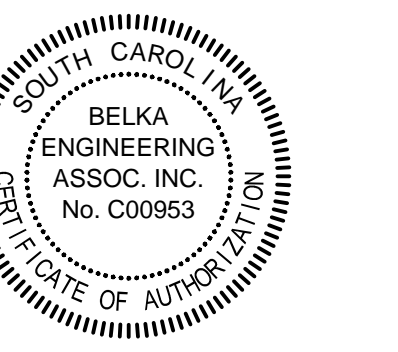


KEY PLAN
TRUE NORTH PROJECT NORTH NO SCALE

- NOTE:** LENGTH AS REQUIRED TO EXTEND 4" BEYOND EQUIPMENT IN EACH DIRECTION. VARY HEIGHT SO UNIT SITS LEVEL.

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WILLIAMS BRICE STADIUM -
ROOF REPAIR EAST GROUND LEVEL
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

Date	
Description	
No	

DRAWN BY: **TSR**

CHECKED BY: **CES**

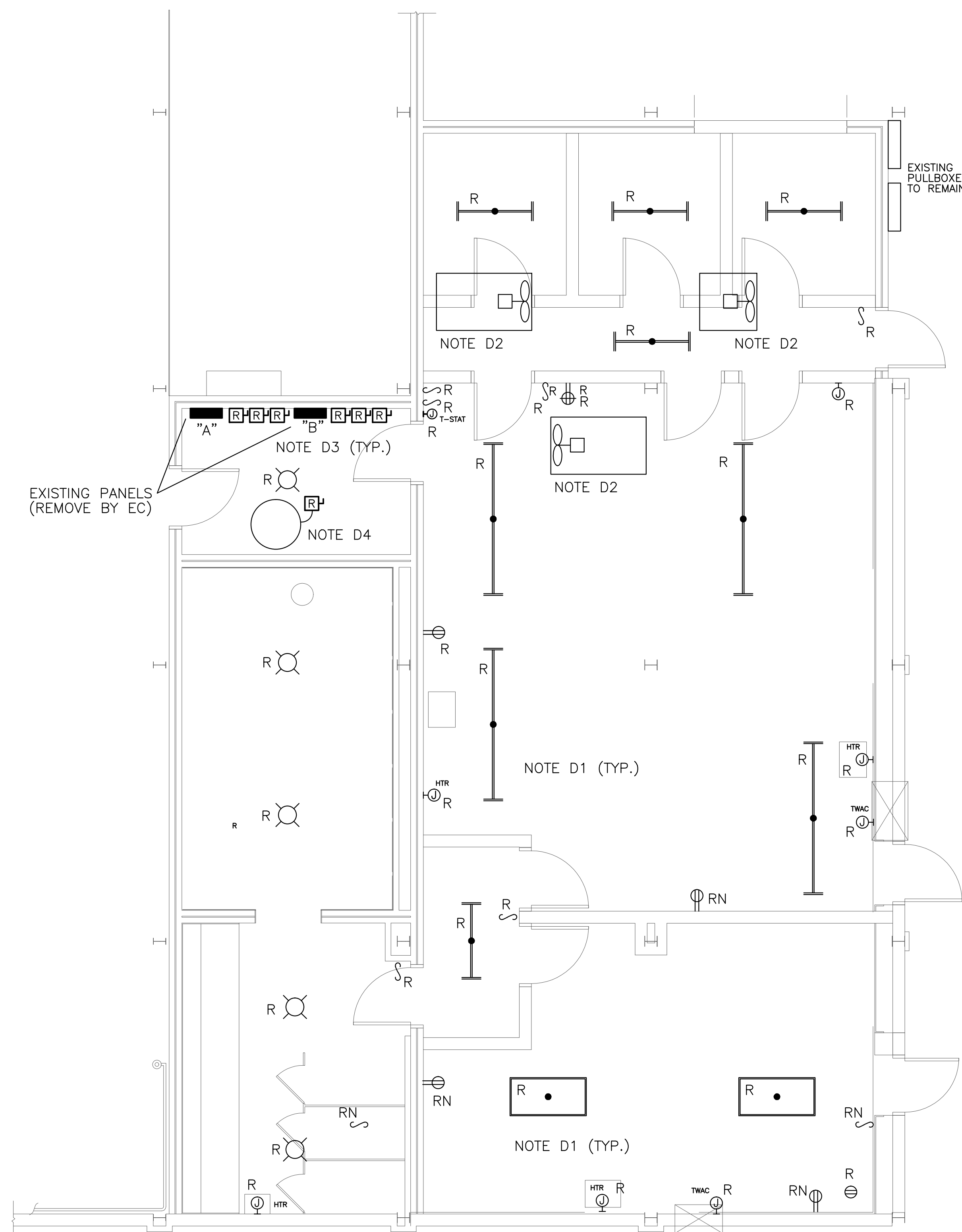
COMM NO: **14102**

DATE: **FEBRUARY 2015**

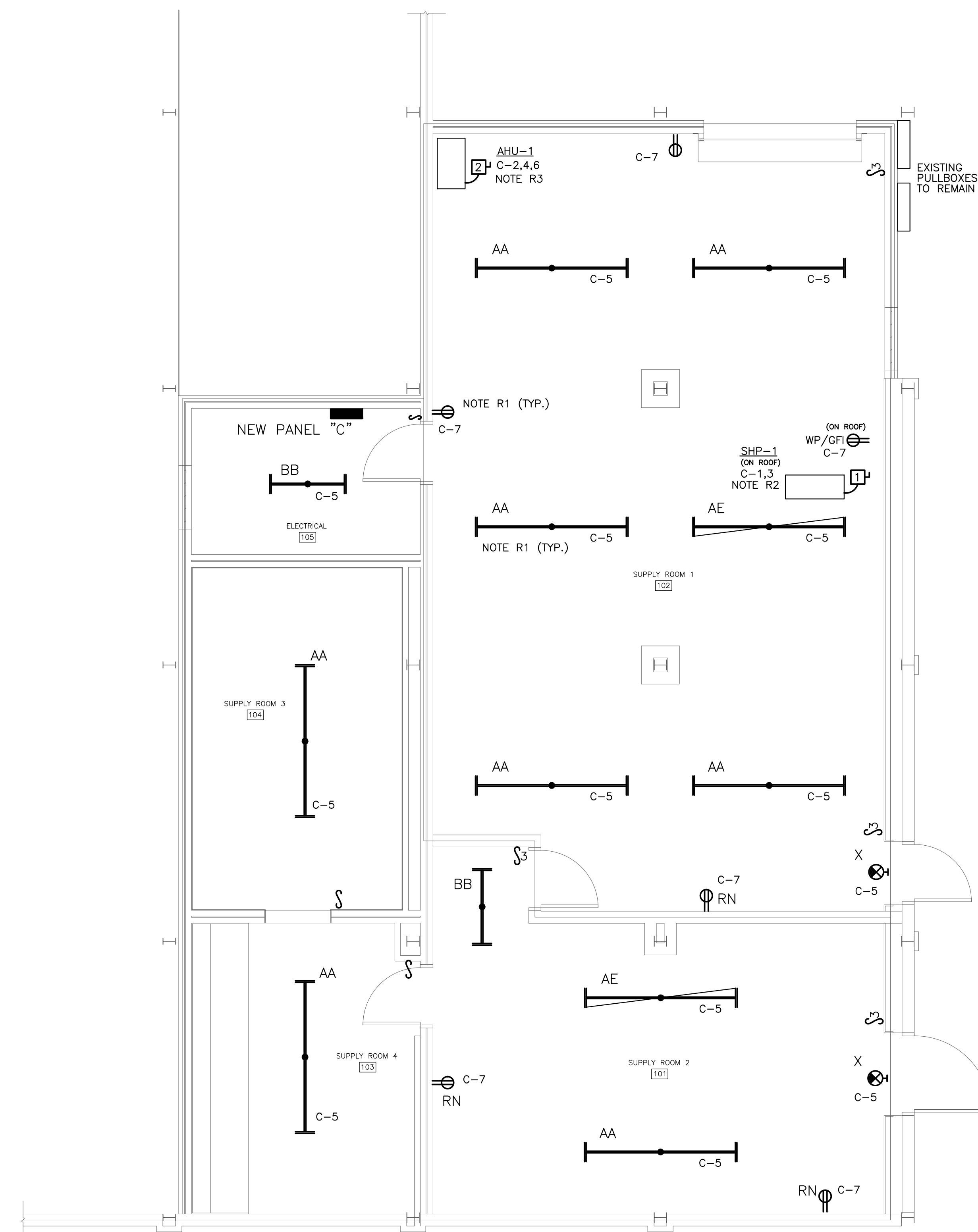
SHEET TITLE:
**ELECTRICAL
PLANS**

SHEET NO:

E101



1 PARTIAL ELECTRICAL DEMOLITION PLAN @ EAST GROUND LEVEL
1/4" = 1'-0"



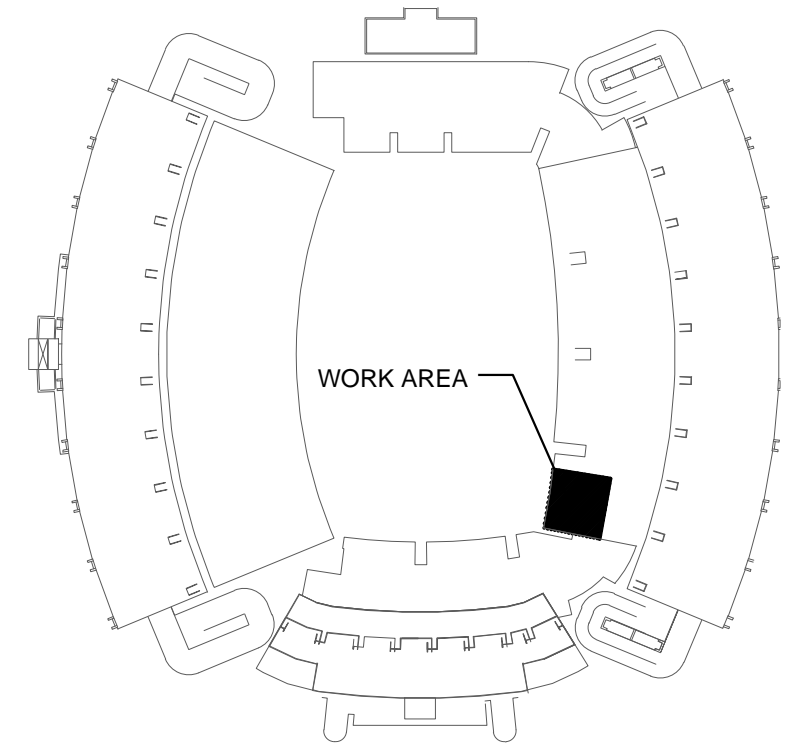
2 PARTIAL ELECTRICAL RENOVATION PLAN @ EAST GROUND LEVEL
1/4" = 1'-0"

ELECTRICAL SYMBOL LEGEND	
	EXISTING LIGHTING FIXTURES TO BE REMOVED BY THIS CONTRACTOR
	EXISTING RECEPTACLES TO BE REMOVED BY THIS CONTRACTOR ("RN" DENOTES EXISTING BOX SHALL BE REUSED).
	EXISTING SWITCHES TO BE REMOVED BY THIS CONTRACTOR ("RN" DENOTES EXISTING BOX SHALL BE REUSED).
	EXISTING HVAC EQUIPMENT TO BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR ("R" DISCONNECT SWITCH DENOTES REMOVAL)
	NEW 8' FLUORESCENT STRIP FIXTURE (LITHONIA# (TWO) 2UN 232 120V GEB WGCUN TILW OR APPROVED EQUAL) PENDANT MOUNT WITH CHAIN 12" BELOW CEILING (UPPER CASE LETTER DENOTES TYPE AND ALPHA/NUMBER DENOTES CIRCUIT)
	SAME AS 8' FLUORESCENT STRIP FIXTURE ABOVE EXCEPT WITH INTERNAL BATTERY PACK AND TEST BUTTON (LITHONIA# (TWO) 2UN 232 120V GEB WGCUN TILW EL14 OR APPROVED EQUAL)
	NEW 4' FLUORESCENT STRIP FIXTURE (LITHONIA# 2UN 232 120V GEB WGCUN OR APPROVED EQUAL) PENDANT MOUNT WITH CHAIN 12" BELOW CEILING
	NEW DISCONNECT SWITCH (SEE NOTES FOR RATINGS)
	20 AMP COMMERCIAL SPEC GRADE DUPLEX RECEPTACLE, MOUNTED 18" AFF (NUMBER DENOTES CIRCUIT) ("WP/GFI" DENOTES GROUND FAULT INTERRUPTING TYPE WITH METALLIC "WHILE-IN-USE" WEATHERPROOF COVER).
	20 AMP SINGLE POLE SWITCH, MOUNTED 48" AFF (TOP OF BOX)
	20 AMP THREE-WAY SWITCH, MOUNTED 48" AFF (TOP OF BOX)
	EXIT SIGN, BATTERY-BACKED (LITHONIA# LOM SW 3R 120/277 ELN OR APPROVED EQUAL), WALL MOUNTED

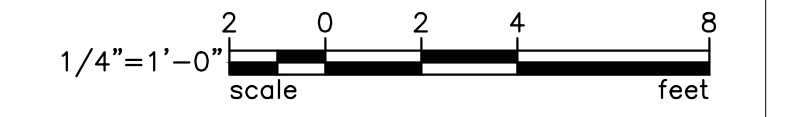
- ELECTRICAL NOTES**
- REMOVE ALL EXISTING LIGHTING FIXTURES, WIRING DEVICES, AND ASSOCIATED BRANCH CIRCUITS. BOXES AND CONDUITS MAY BE REUSED, ESPECIALLY WHERE RECEPTACLE/SWITCH LOCATIONS ARE INDICATED TO BE REUSED. REMOVE ALL UNUSED SURFACE CONDUITS.
 - DISCONNECT ALL EXISTING HVAC EQUIPMENT AND REMOVE ASSOCIATED DISCONNECT SWITCHES AND BRANCH CIRCUITS. REMOVE ALL UNUSED SURFACE CONDUITS.
 - REMOVE TWO EXISTING PANELS AND ALL EXISTING DISCONNECT SWITCHES FROM EXISTING ELECTRICAL ROOM. REMOVE ALL EXISTING CONDUITS/CONDUCTORS THAT CANNOT BE REUSED FOR NEW LIGHTING, RECEPTACLES, OR EQUIPMENT.
 - DISCONNECT POWER FROM EXISTING WATER HEATER IN EXISTING ELECTRICAL ROOM AND REMOVE ASSOCIATED DISCONNECT SWITCH AND BRANCH CIRCUIT.
 - PROVIDE NEW PANEL "C" IN EXISTING ELECTRICAL ROOM CLOSE TO DOORWAY TO MAINTAIN NEC WORKING CLEARANCES (WIDTH AND HEIGHT). RECONNECT EXISTING FEEDER THAT FED EXISTING WIRERAY TO NEW PANEL "C"; EXTEND CONDUCTORS AS REQUIRED.
 - FOR NEW SHP-1, PROVIDE 60 AMP, 208V, 3 PHASE BRANCH CIRCUIT - 60 AMP, 2 POLE BREAKER, 2#6, 1#10G, IN 1" C, AND 60 AMP/NEMA 3R/240V RATED/2 POLE FUSIBLE DISCONNECT SWITCH.
 - FOR NEW AHU-1, PROVIDE 30 AMP, 208V, 3 PHASE BRANCH CIRCUIT - 30 AMP, 3 POLE BREAKER, 2#10, 1#10G, IN 3/4" C, AND 30 AMP/NEMA 1/240V/3 POLE FUSIBLE DISCONNECT SWITCH.
 - PROVIDE NEW LIGHTING, NEW RECEPTACLES, AND ASSOCIATED BRANCH CIRCUITS FED FROM NEW PANEL "C" WITH CIRCUIT NUMBERS AS INDICATED ON PLAN. PROVIDE NEW 20 AMP RECEPTACLES AND SWITCHES IN LOCATIONS AS INDICATED.

LOADS SERVED		NEW PANEL "C"					
BKR AMP	LOAD KVA	CKT. NO.	(S / N)	CKT. NO.	LOAD KVA	BKR AMP	LOADS SERVED
SH-1 (SEE NOTE R2)	60	3.6	1	2	3.6	30	AHU-1 (SEE NOTE R3)
LIGHTING	20	1.6	5	6	3.6		
RECEPTACLES	20	1.2	7	8		20	SPARE
SPARE	20		9	10		20	SPARE
SPARE	20		11	12		20	SPARE
CONNECTED LOADS (KVA)				TOTAL LOADS (KVA)			
#A 8.4 #B 7.2 #C 5.2				20.8			

ALL OTHER BRANCH CIRCUITS SHALL BE 2#12, 1#12G, IN 3/4" C, UNLESS NOTED OTHERWISE



TRUE NORTH
PROJECT NORTH
NOT TO SCALE



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