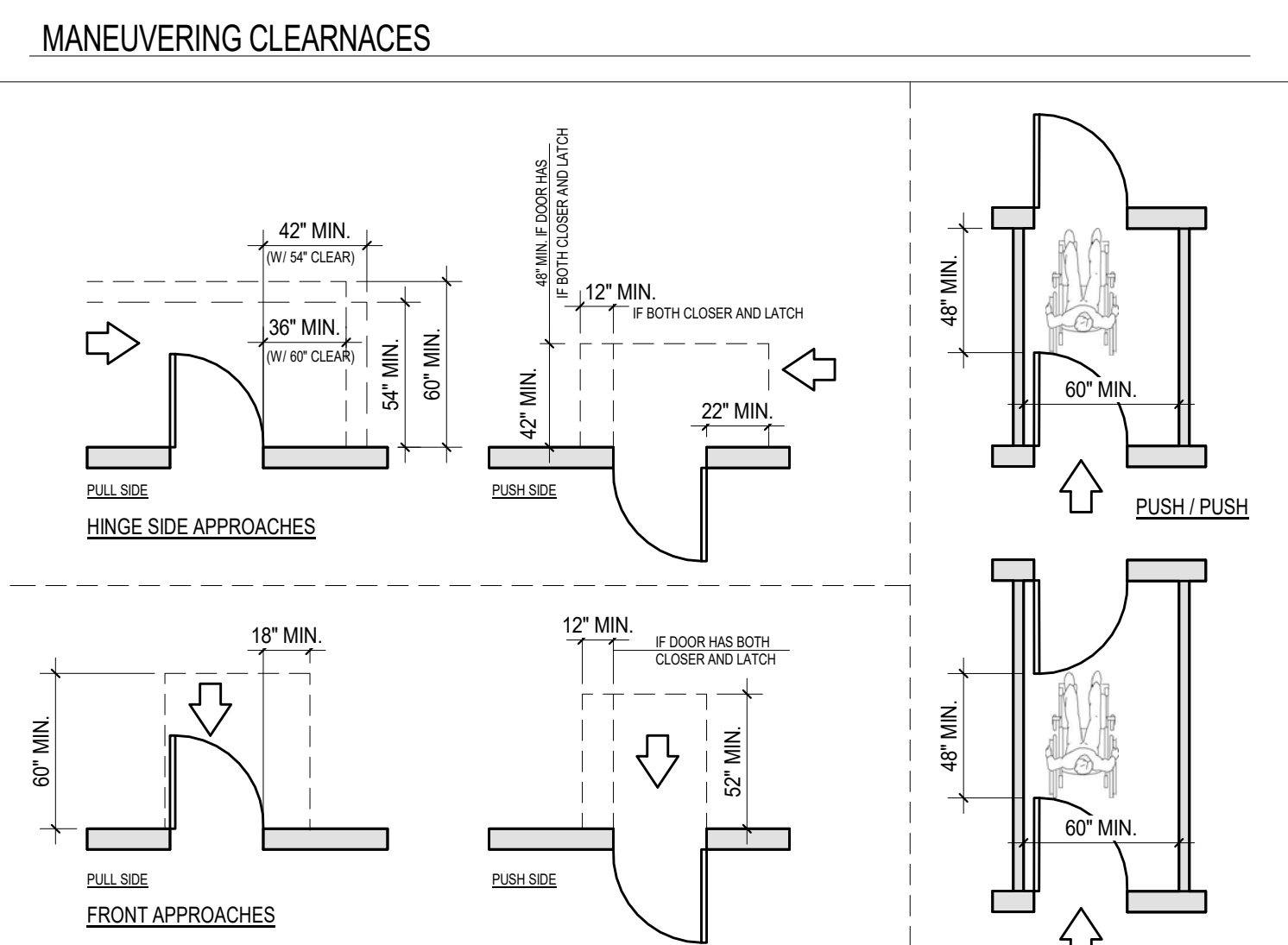
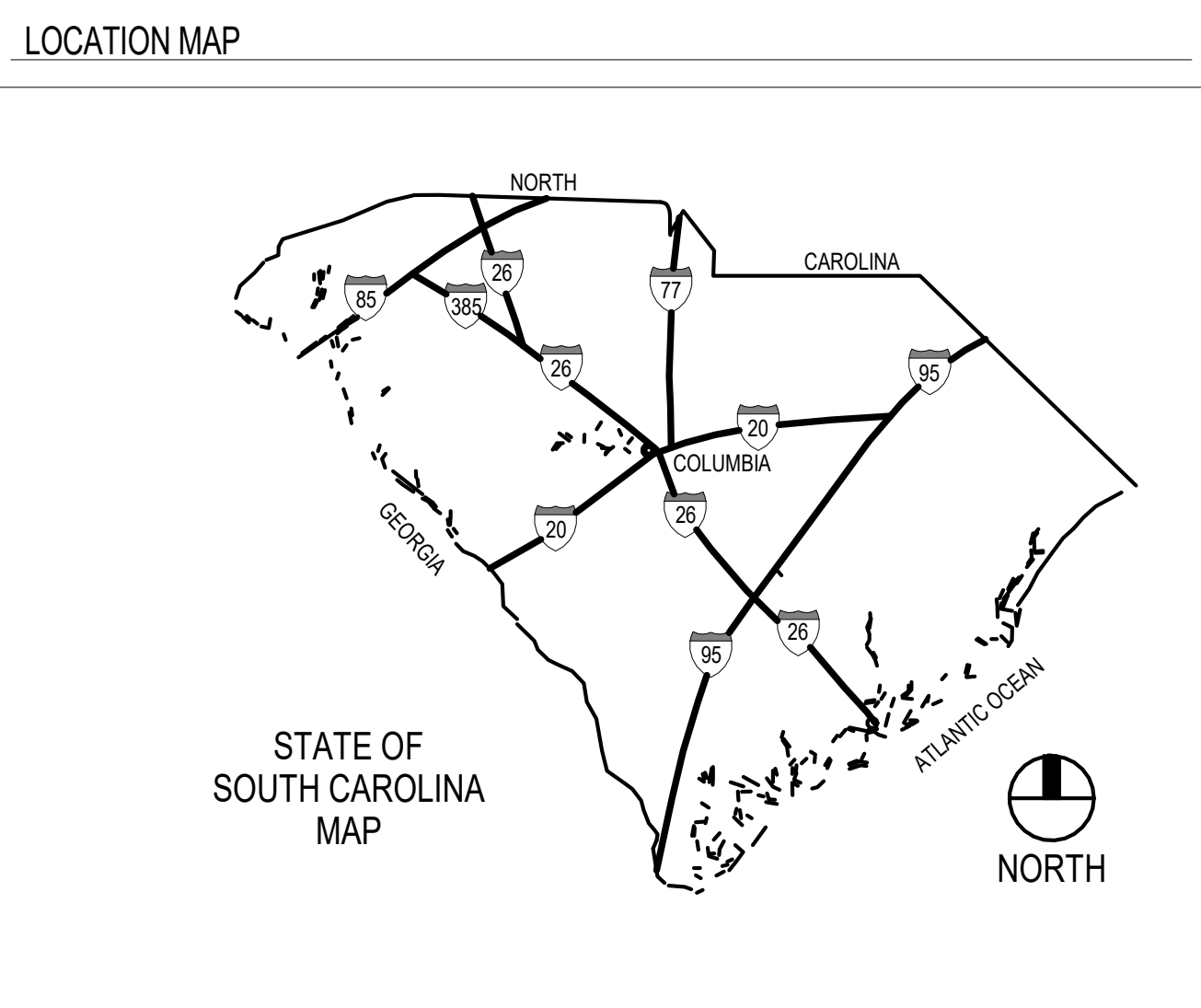
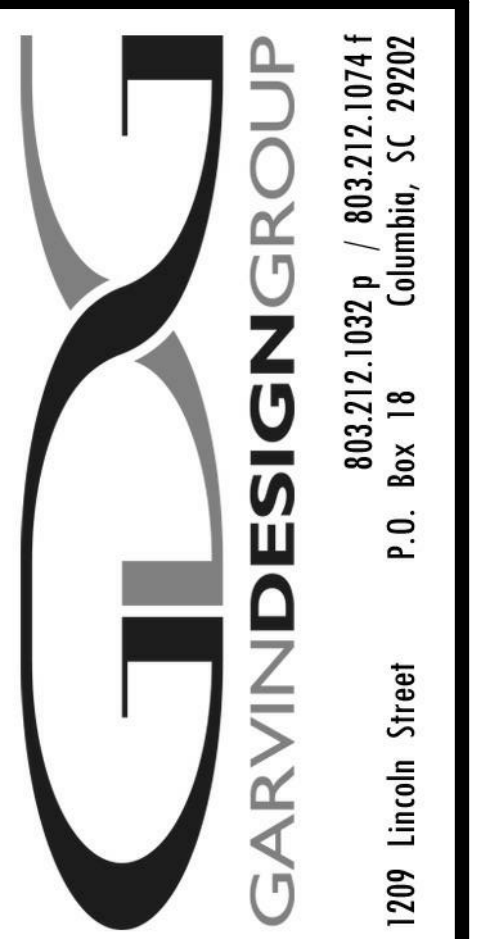


UNIVERSITY OF SOUTH CAROLINA MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM RENOVATION

CAROLINA COLISEUM
650 PARK STREET
COLUMBIA, SOUTH CAROLINA 29201
USC Project Number: H27-Z361
Architect's Project Number: U470.17

BID DOCUMENTS
1 MAY 2018



CODE INFORMATION - GENERAL

PROJECT DESIGNED IN ACCORDANCE WITH:

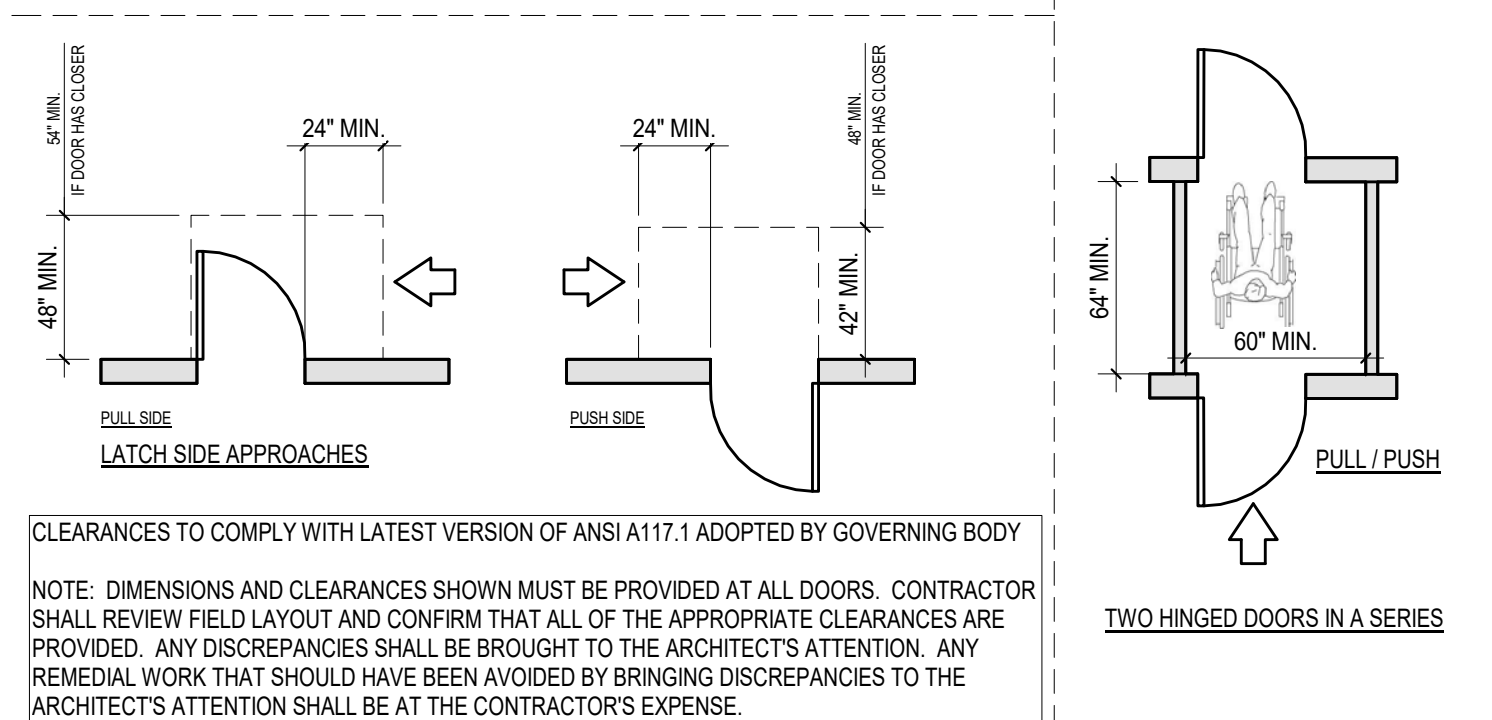
- INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION
- INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2015 EDITION
- INTERNATIONAL FIRE CODE (IFC), 2015 EDITION
- INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 Edition
- INTERNATIONAL FUEL GAS CODE (IFGC), 2015 EDITION
- INTERNATIONAL MECHANICAL CODE (IMC), 2015 EDITION
- INTERNATIONAL PLUMBING CODE (IPC), 2015 EDITION with the following insertions:
1 Section 905.4.1, insert "18" and insert "18"
2 Section 905.1, insert "18"
- INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE (IPSDC), 2015 EDITION
- INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC), 2015 EDITION
- NATIONAL ELECTRICAL CODE (NEC) (NFPA 70), 2014 EDITION
- NATIONAL ELECTRICAL SAFETY CODE, IEEE-C2-2012 EDITION
- AMERICAN NATIONAL STANDARDS INSTITUTE, INC. (ANSI) - A117.1 - 2017, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- STATE FIRE MARSHAL RULES, REGULATIONS, AND POLICIES - LATEST EDITION
- STATE OF SC TELEPHONE EQUIPMENT ROOM AND COMMUNICATIONS/DATA SYSTEMS POLICY AS FORMULATED BY THE DSIT

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MATERIAL DESIGNATIONS

	COMPACTED EARTH		WOOD (ROUGH)
	POROUS FILL (STONE OR GRAVEL)		WOOD (FINISHED)
	CONCRETE		PLYWOOD
	CONCRETE MASONRY UNIT (CMU)		BATT INSULATION
	BRICK		GYPSUM BOARD
	SAND, PLASTER, CEMENT, GROUT		RIGID INSULATION
	STEEL		



CODE INFORMATION - MEN'S LOCKER AREA

EXISTING BUILDING GENERAL CODE INFORMATION: DESIGNED c. 1996 UNDER CURRENT CODE AT THE TIME

EXISTING BUILDING OCCUPANCY: ASSUMED MIXED USE - ASSEMBLY (A-1) AND BUSINESS (B)

EXISTING CONSTRUCTION CLASSIFICATION: ASSUMED TYPE IIB, NON-SPRINKLERED, WITH FIRE ALARM (RECENT RENOVATIONS IN 2009 AND 2017 ON GROUND FLOOR ARE SPRINKLERED PER NFPA-13)

PROJECT SCOPE RELEVANT CODE INFORMATION: GROUND FLOOR (ATHLETIC LEVEL)

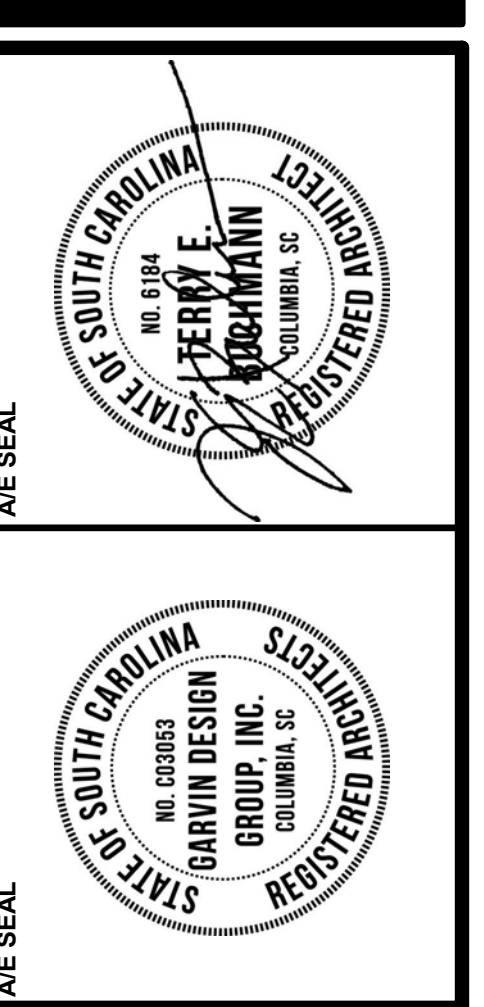
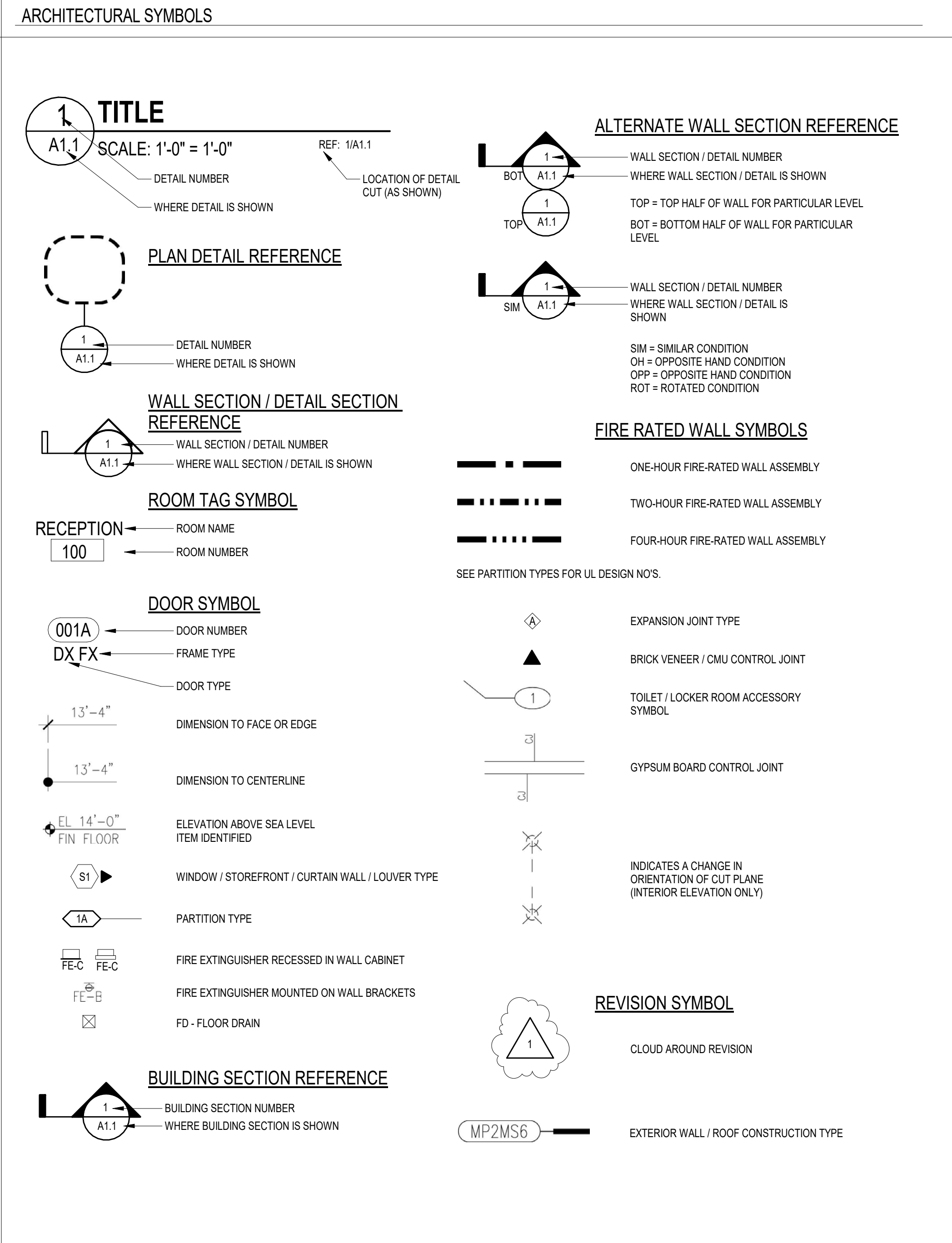
EXISTING/NEW USE (REMAINS SAME)	AREA	AREA PER PERSON	OCCUPANT LOAD
BUSINESS (MEN'S LOCKER AREA)	5,038 SF	100 GROSS	51
STORAGE	172 SF	300 GROSS	1
*ACCESSORY USE			
TOTAL:	5,110 SF		52

NOTES:

- TRAVEL DISTANCES ARE BEING CONSIDERED FOR SPRINKLERED BUILDING SINCE ALL RENOVATED SPACE IS SPRINKLERED PER NFPA-13. OTHER EXISTING/NON-RENOVATED SPACES IN ORIGINAL BUILDING (COLISEUM) ARE NON-SPRINKLERED.
- CURRENT FIRE RATINGS ARE BEING MAINTAINED/NOT CHANGING SINCE OCCUPANCY USE REMAINS THE SAME.

ABBREVIATIONS

∠	ANGLE
@	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
BULK	BLOCKING
BU	BUILT-UP ROOF
CL	CENTERLINE
CLG	CEILING
CTR	CENTER
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
DA	DIAMETER
DS	DOWN SPOUT
DWG	DRAWING
EXT	EXTERIOR
EXIST	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
FIN	FINISH
FD	FLOOR DRAIN
FOF	FACE OF FINISH
FOS	FACE OF STUD
FR	FIRE RETARDANT
FV	FIELD VERIFY
GA	GAUGE
GYP	GYPSUM BOARD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING VENTILATION AIR-CONDITIONING
ID	INSIDE DIAMETER
INSUL	INSULATION
JT	JOINT
LAV	LAVATORY
LAV	LAVATORY
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MFR	MINIMUM
MN	MASONRY OPENING
MO	NOT IN CONTRACT
NIC	NOMINAL
NOM	NOT TO SCALE
NTS	ON CENTER
OC	OUTSIDE DIAMETER
OP	OPENING
OPNG	OPPOSITE
OPP	OPPOSITE
P	PAIR
PR	PLATE, PROPERTY LINE
PL	PRESSURE TREATED
PT	RADIUS
R	REQUIRED
REQD	REQUIRED
ROD	ROUGH OPENING
RD	SQUARE FEET
SF	SQUARE FEET
SF	SIMILAR
SPEC	SPECIFICATIONS
SS	STANDARD
STD	STRUCTURAL
STR	SUSPENDED
SUSP	TOP OF STEEL
TOS	TOP OF WALL
TOW	TYPICAL
TYP	UNLESS NOTED OTHERWISE
UNO	VERTICAL
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
W	WITH
WC	WATER CLOSET
WR	WATER RESISTANT
WF	WELDED WIRE FABRIC
WD	WOOD



PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
Carolina Coliseum
650 Park Street
Columbia, SC 29201

REVISIONS

NO.	NAME	DATE

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DRAWING TITLE
TITLE SHEET, CODE REVIEW & INDEX TO DRAWINGS

PROJECT NO. U470.17
DATE 08-01-18
DRAWING NO. **T1.1**

LEGEND - LIFE SAFETY

- TWO-HOUR FIRE-RATED WALL ASSEMBLY
*SEE PARTITION TYPES FOR UL DESIGN NOS.
- - - EXISTING CMU OR CONCRETE WALL - ASSUMED
EQUIVALENT TWO-HOUR FIRE-RATED WALL
ASSEMBLY FROM EXISTING CONSTRUCTION
- FE-C FIRE EXTINGUISHER WALL CABINET, SEE SPECS.

- EXIT LIGHTS - SEE ELECTRICAL
DRAWINGS FOR LOCATIONS

EGRESS WIDTH SYMBOLS

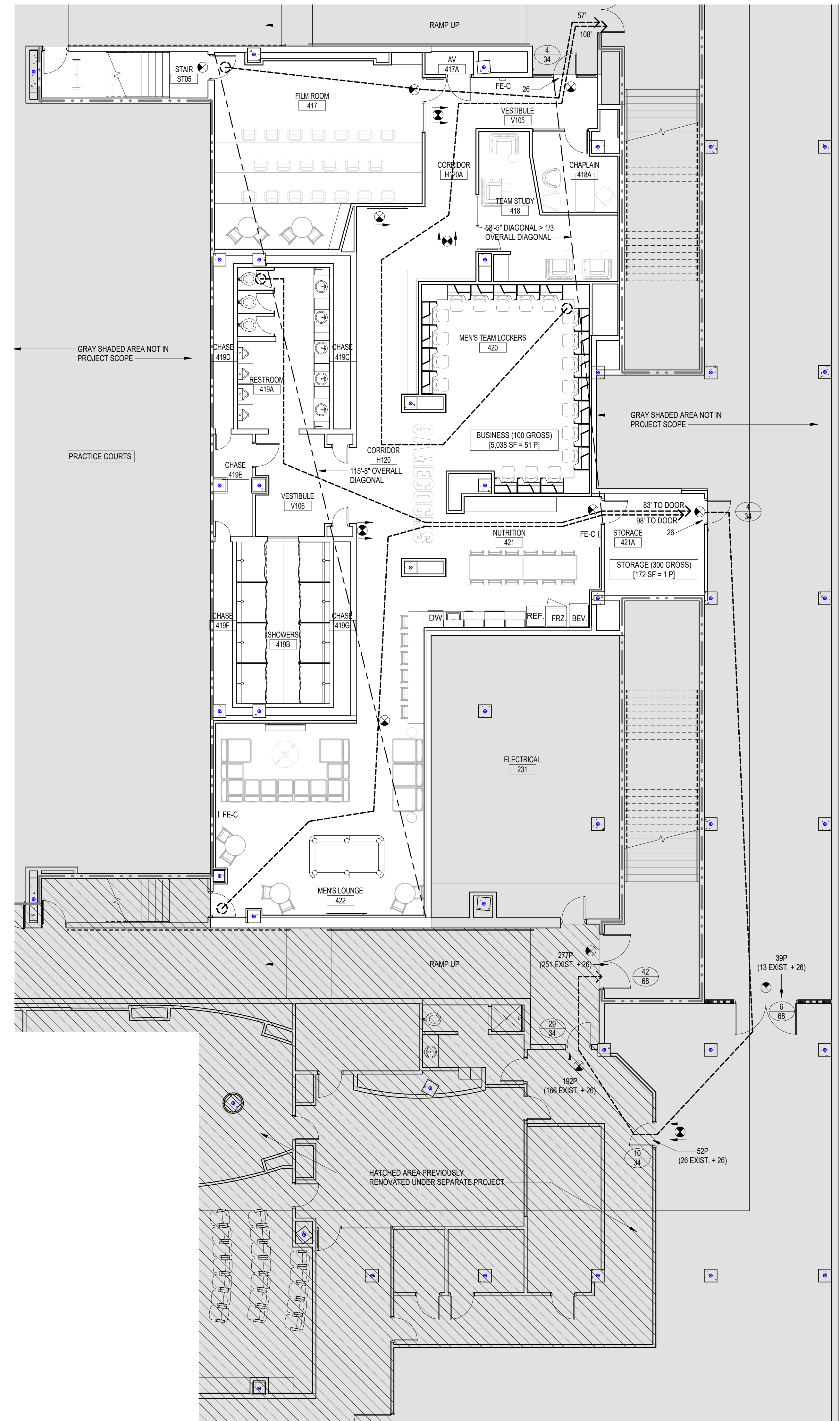
- 5/34 REQUIRED EGRESS WIDTH AT DOOR, IN INCHES
EGRESS WIDTH PROVIDED AT DOOR, IN INCHES
- 4'-0" / (7#) EGRESS WIDTH PROVIDED AT PASSAGE
REQUIRED EGRESS WIDTH AT PASSAGE
- 23 # OF PEOPLE/DIRECTION OF TRAVEL
- (9,900 SF = 50P) NET (OR GROSS) SQ. FT. # OF PEOPLE (OCCUPANCY OF SPACE)

TRAVEL DISTANCE LEGEND

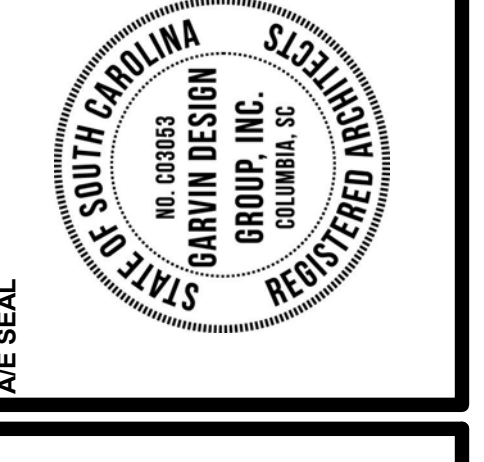
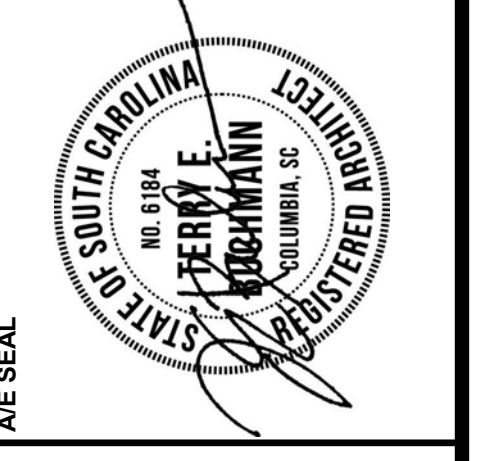
- 246'-1" TRAVEL DIST. 200' TO EXIT FROM REMOTE CORNER

GENERAL NOTES - LIFE SAFETY

1. SEE CODE RELATED INFORMATION ON SHEET T1.1
2. EXIT SIGNS ARE SHOWN ON ELECTRICAL DRAWINGS



1 LIFE SAFETY PLAN
X1.1 1/8" = 1'-0"
REFERENCED A3.1



PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
Carolina Coliseum
650 Park Street
Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

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DRAWING TITLE
LIFE SAFETY PLAN

PROJECT NO. 14717
DATE 05/01/18
DRAWING NO. X1.1

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LEGEND - DEMOLITION PLAN

- EXISTING WALL TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED
- EXISTING DOOR TO BE REMAIN

SEE KEYNOTES AND PLUMBING, MECHANICAL AND ELECTRICAL DEMO DRAWINGS FOR ADDITIONAL DEMO WORK

GENERAL NOTES - DEMO PLAN

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION AND NEW WORK. EXISTING BUILDING INFORMATION SHOWN IS BASED ON THE EXISTING DRAWINGS PROVIDED BY THE OWNER AND SELECTIVE FIELD MEASUREMENTS. GENERAL CONTRACTOR AND SUB-CONTRACTORS ARE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO CONSTRUCTION.
2. PROVIDE AND INSTALL ALL SHORING AND SUPPORT SYSTEMS NECESSARY TO ENSURE EXISTING STRUCTURE TO REMAIN STABLE THROUGHOUT DEMOLITION AND NEW CONSTRUCTION.
3. WHERE APPLICABLE, REFERENCE ABATEMENT SPECIFICATIONS FOR KNOWN AREAS CONTAINING HAZARDOUS MATERIALS. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED IN THE PROJECT SCOPE.
4. CONTRACTOR SHALL PHOTOGRAPH ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OR NEW WORK TO DOCUMENT PRE-CONSTRUCTION CONDITIONS. PROVIDE ARCHITECT AND OWNER WITH ELECTRONIC COPY OF PHOTOGRAPHS.
5. ITEMS TO SALVAGED AND REMOVED BY THE OWNER PRIOR TO DEMOLITION ARE IDENTIFIED WITHIN THE SPECIFICATIONS.
6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES AND LOCATIONS.
7. PROTECT ALL EXISTING PIPING & INSULATION, CONDUITBOXES, WIRING, LIGHTING, DUCTWORK, SPRINKLER PIPING, AND ALL OTHER UTILITIES TO REMAIN IN USE. REMOVE ALL ABANDONED OR DISCONNECTED ITEMS FROM ABOVE CEILINGS.
8. ALL FURNITURE, FIXTURES AND LOOSE ITEMS TO BE REMOVED BY OWNER BEFORE COMMENCEMENT OF WORK.
9. PATCH WALLS, CEILINGS AND FLOORS WHERE ITEMS ARE REMOVED OR WERE REMOVED BY OWNER TO PREPARE AREAS FOR FINAL WORK AND FINISHES AS SPECIFIED.

1 DEMOLITION PLAN
A1.1 3/16" = 1'-0" REFERENCED ON A3.1

KEYNOTES - DEMO PLAN

- 1 DEMO SHOWER HEAD AND CONTROLS. PATCH/FILL HOLES AND PREPARE FOR NEW FINISH - SEE PLUMBING DWGS.
- 2 DEMO GLAZED BLOCK VENEER @ COLUMN SURROUND
- 3 DEMO ROUND COLUMN SURROUND
- 4 REMOVE RECESSED MIRROR / PAPER TOWEL ACCESSORY. PATCH/FILL HOLES AND PREPARE FOR NEW FINISH - SEE ELEVATIONS
- 5 DEMO WALLS AND RE-ROUTE ELECTRICAL AND AV CABLING. COORDINATE WITH OWNER
- 6 DEMO ALL PLUMBING FIXTURES AND PIPING THIS AREA. SEE PLUMBING DWGS.
- 7 DEMO SAUNA IN ITS ENTIRETY
- 8 DEMO LOCKERS / MIRRORS IN THEIR ENTIRETY AND DISPOSE OF. UNDER NO CIRCUMSTANCE ARE LOCKERS TO BE REMOVED INTACT AND RESOLD, MAINTAINED BY THE GC, AND/OR GIVEN TO OTHER PARTIES.
- 9 DEMO TV RELATED ROUGH-IN AND COMPONENTS. SEE ELEC. DWGS.
- 10 DEMO COUNTER / CASEWORK / SHELVING
- 11 REMOVE WOOD TRIM AND WHITE BOARD SURFACE
- 12 OWNER TO REMOVE EXISTING FLOOR MOUNTED CHAIRS AND RE-INSTALL IN NEW FILM ROOM

LEGEND - FLOOR PLAN

REFERENCE LIFE SAFETY PLAN SHEET X1.1 FOR EXISTING CMU OR CONCRETE WALLS ASSUMED AS EQUIVALENT TWO-HOUR FIRE-RATED WALL ASSEMBLIES FROM EXISTING CONSTRUCTION.

*SEE PARTITION TYPES FOR UL DESIGN NOS.

FE-C FIRE EXTINGUISHER WALL CABINET, SEE SPECS.

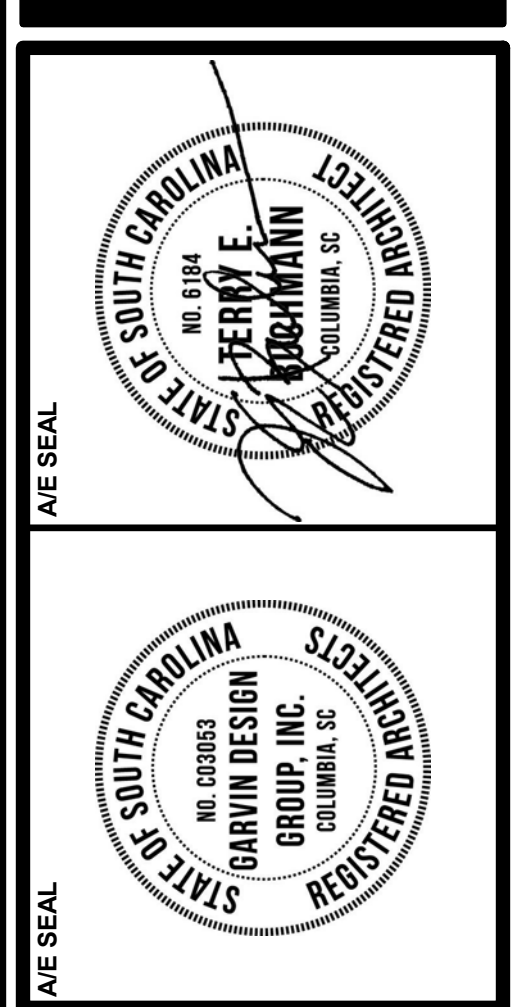
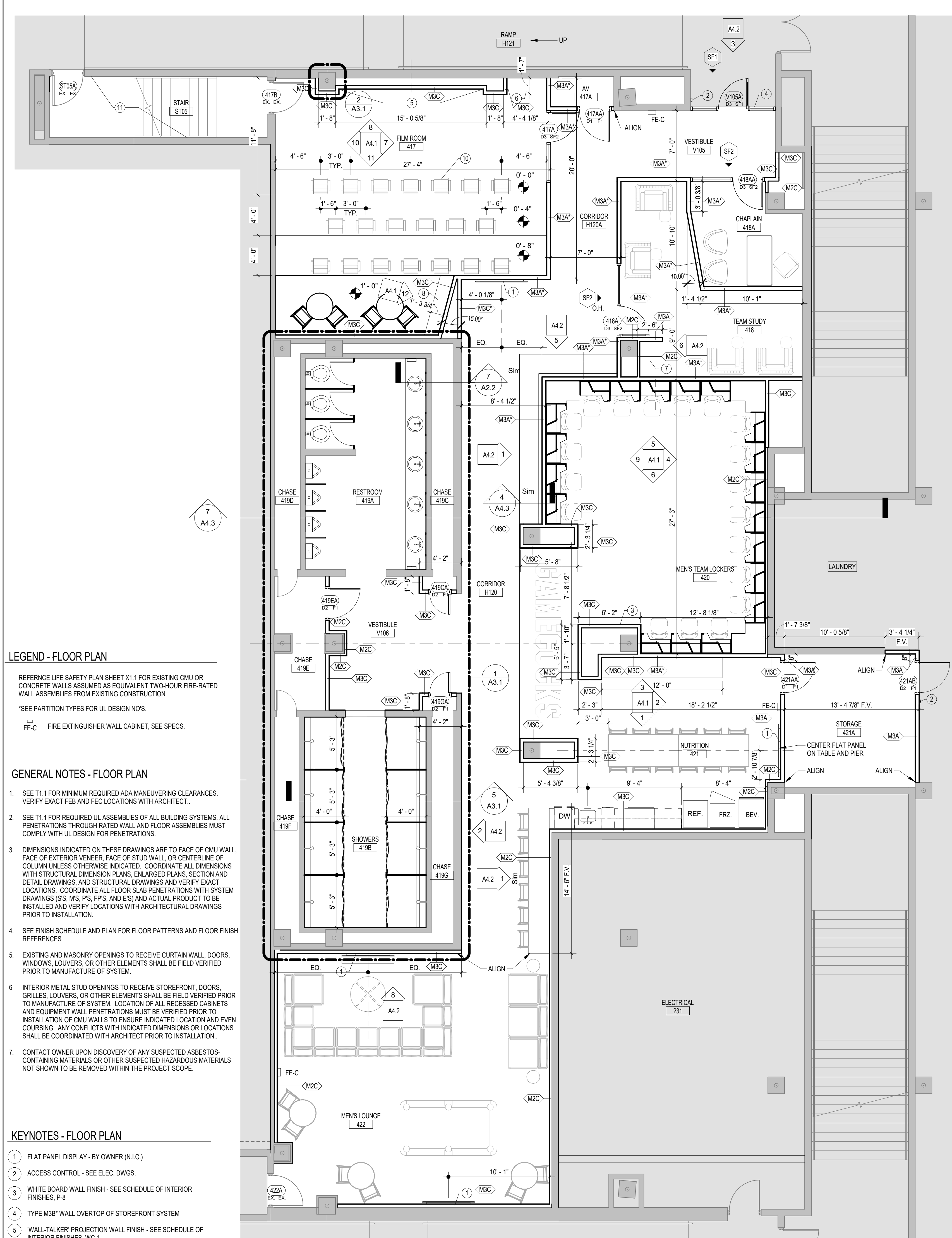
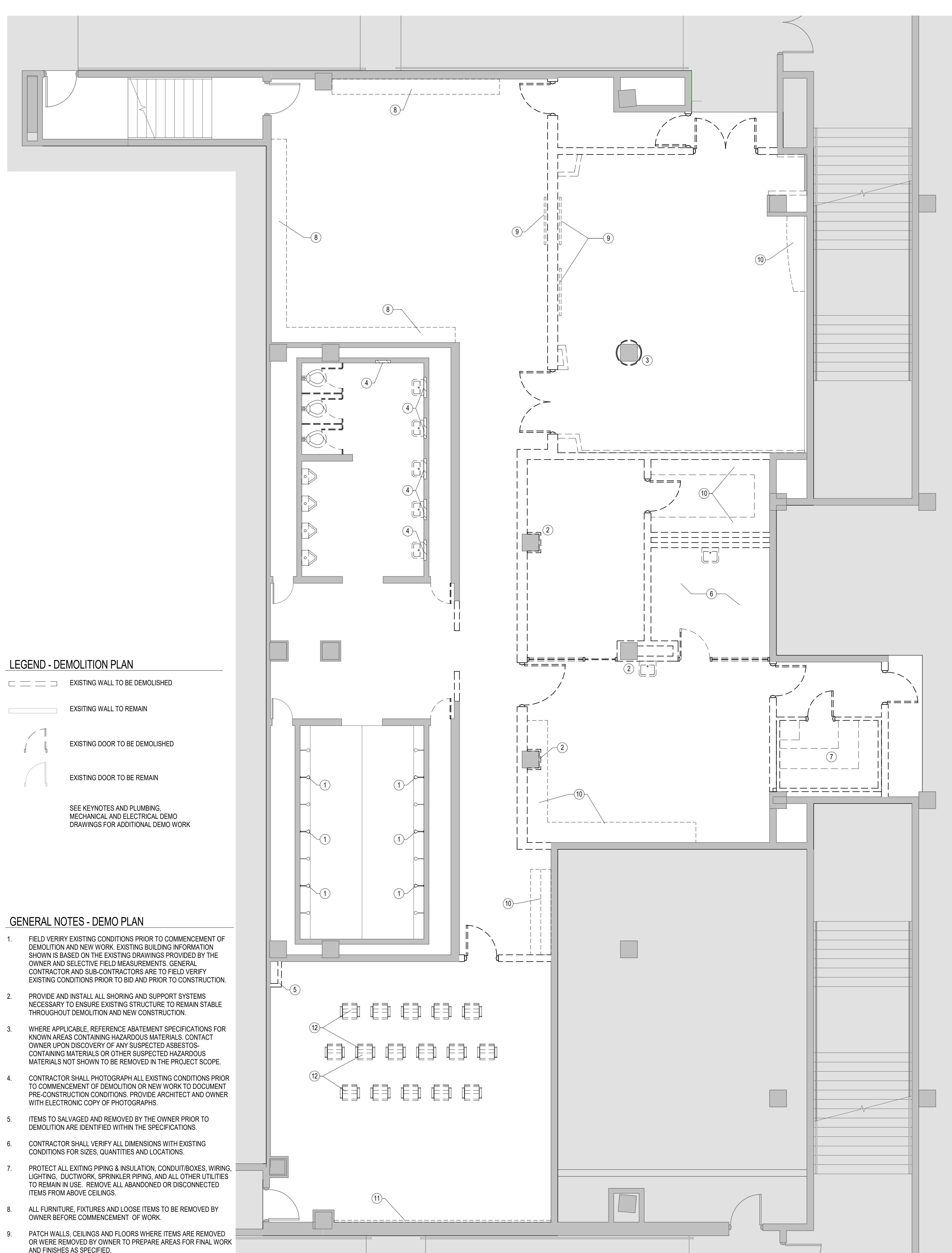
GENERAL NOTES - FLOOR PLAN

1. SEE T1.1 FOR MINIMUM REQUIRED ADA MANEUVERING CLEARANCES. VERIFY EXACT FEB AND FEC LOCATIONS WITH ARCHITECT.
2. SEE T1.1 FOR REQUIRED UL ASSEMBLIES OF ALL BUILDING SYSTEMS. ALL PENETRATIONS THROUGH RATED WALL AND FLOOR ASSEMBLIES MUST COMPLY WITH UL DESIGN FOR PENETRATIONS.
3. DIMENSIONS INDICATED ON THESE DRAWINGS ARE TO FACE OF CMU WALL, FACE OF EXTERIOR VENEER, FACE OF STUD WALL, OR CENTERLINE OF COLUMN UNLESS OTHERWISE INDICATED. COORDINATE ALL DIMENSIONS WITH STRUCTURAL DIMENSION PLANS, ENLARGED PLANS, SECTION AND DETAIL DRAWINGS, AND STRUCTURAL DRAWINGS AND VERIFY EXACT LOCATIONS. COORDINATE ALL FLOOR SLAB PENETRATIONS WITH SYSTEM DRAWINGS (S.S., M.S., P.S., F.P.S. AND E'S) AND ACTUAL PRODUCT TO BE INSTALLED AND VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
4. SEE FINISH SCHEDULE AND PLAN FOR FLOOR PATTERNS AND FLOOR FINISH REFERENCES.
5. EXISTING AND MASONRY OPENINGS TO RECEIVE CURTAIN WALL, DOORS, WINDOWS, LOUVERS, OR OTHER ELEMENTS SHALL BE FIELD VERIFIED PRIOR TO MANUFACTURE OF SYSTEM.
6. INTERIOR METAL STUD OPENINGS TO RECEIVE STOREFRONT, DOORS, GRILLES, LOUVERS, OR OTHER ELEMENTS SHALL BE FIELD VERIFIED PRIOR TO MANUFACTURE OF SYSTEM. LOCATION OF ALL RECESSED CABINETS AND EQUIPMENT WALL PENETRATIONS MUST BE VERIFIED PRIOR TO INSTALLATION OF CMU WALLS TO ENSURE INDICATED LOCATION AND EVEN COURSING. ANY CONFLICTS WITH INDICATED DIMENSIONS OR LOCATIONS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
7. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED WITHIN THE PROJECT SCOPE.

KEYNOTES - FLOOR PLAN

- 1 FLAT PANEL DISPLAY - BY OWNER (N.I.C.)
- 2 ACCESS CONTROL - SEE ELEC. DWGS.
- 3 WHITE BOARD WALL FINISH - SEE SCHEDULE OF INTERIOR FINISHES, P-8
- 4 TYPE M38" WALL OVERTOP OF STOREFRONT SYSTEM
- 5 "WALL-TALKER" PROJECTION WALL FINISH - SEE SCHEDULE OF INTERIOR FINISHES, WC-1
- 6 AV CONTROL COUNTER AND CABINET, SEE CASEWORK DETAILS
- 7 PRINTER COUNTER AND CABINET, SEE CASEWORK DETAILS
- 8 COUNTER LEDGE, SEE CASEWORK DETAILS
- 9 EXISTING GLAZED BLOCK TO REMAIN - NEW WALL FINISH INSTALLED OVER TOP
- 10 FILM ROOM CHAIRS - OWNER TO RELOCATE EXISTING CHAIRS TO NEW LOCATION AND RE-INSTALL ALONG WITH ADDITIONAL CHAIRS TO BE PURCHASED AND PROVIDED BY OWNER.
- 11 REMOVE AND REPLACE ALL FINISHES - SEE FINISH SCHEDULE. REPAIR DOORS AND FRAMES. REPAIR HANDRAILS. REPLACE HARDWARE - SEE SPECS. SEE ELECTRICAL FOR LIGHTING UPGRADES.

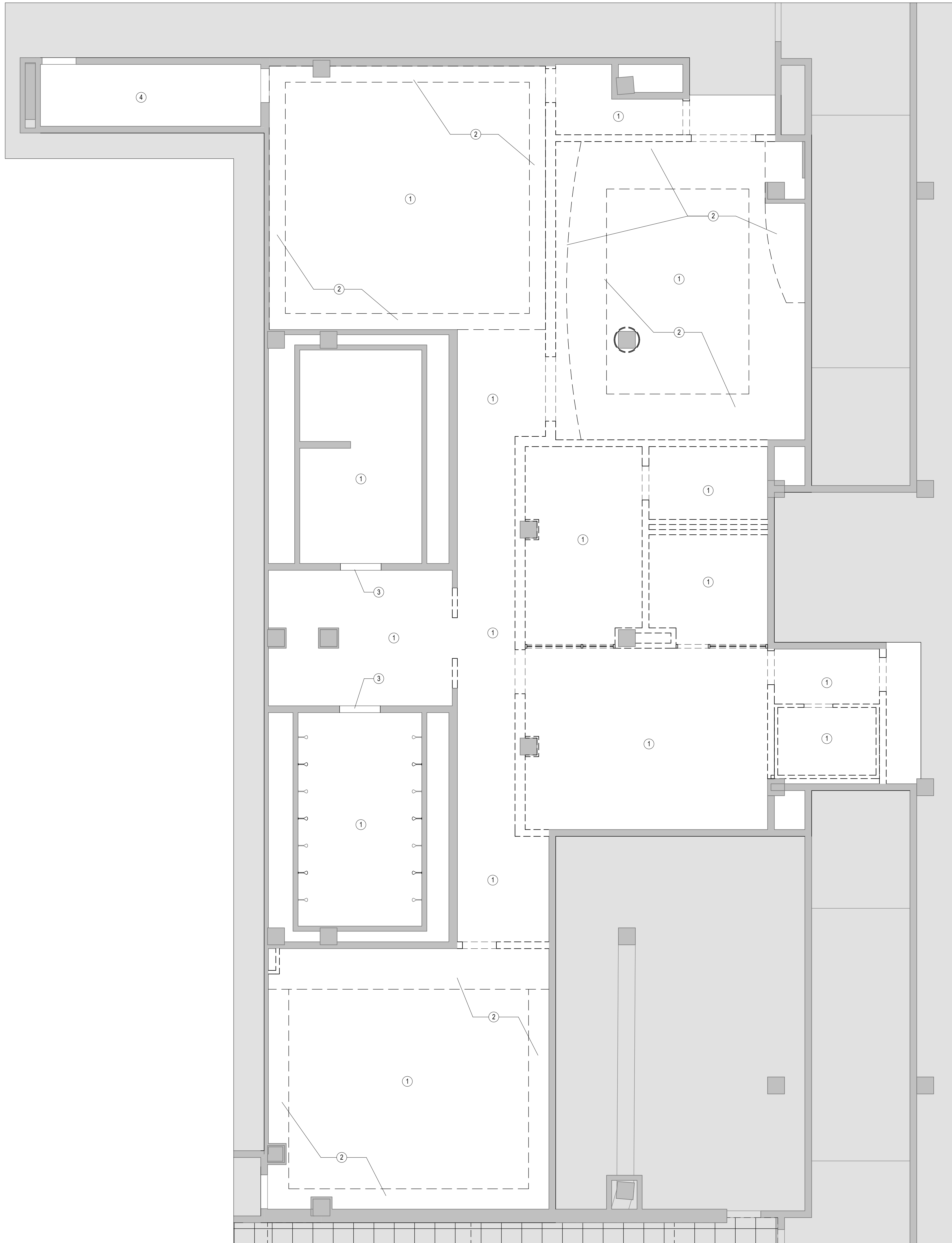
2 FLOOR PLAN
A1.1 3/16" = 1'-0" REFERENCED ON A3.1



PROJECT TITLE
FACILITY LOCKER ROOM
GROUND FLOOR AND DEMOLITION PLANS
 Carolina Coliseum
 650 Park Street
 Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

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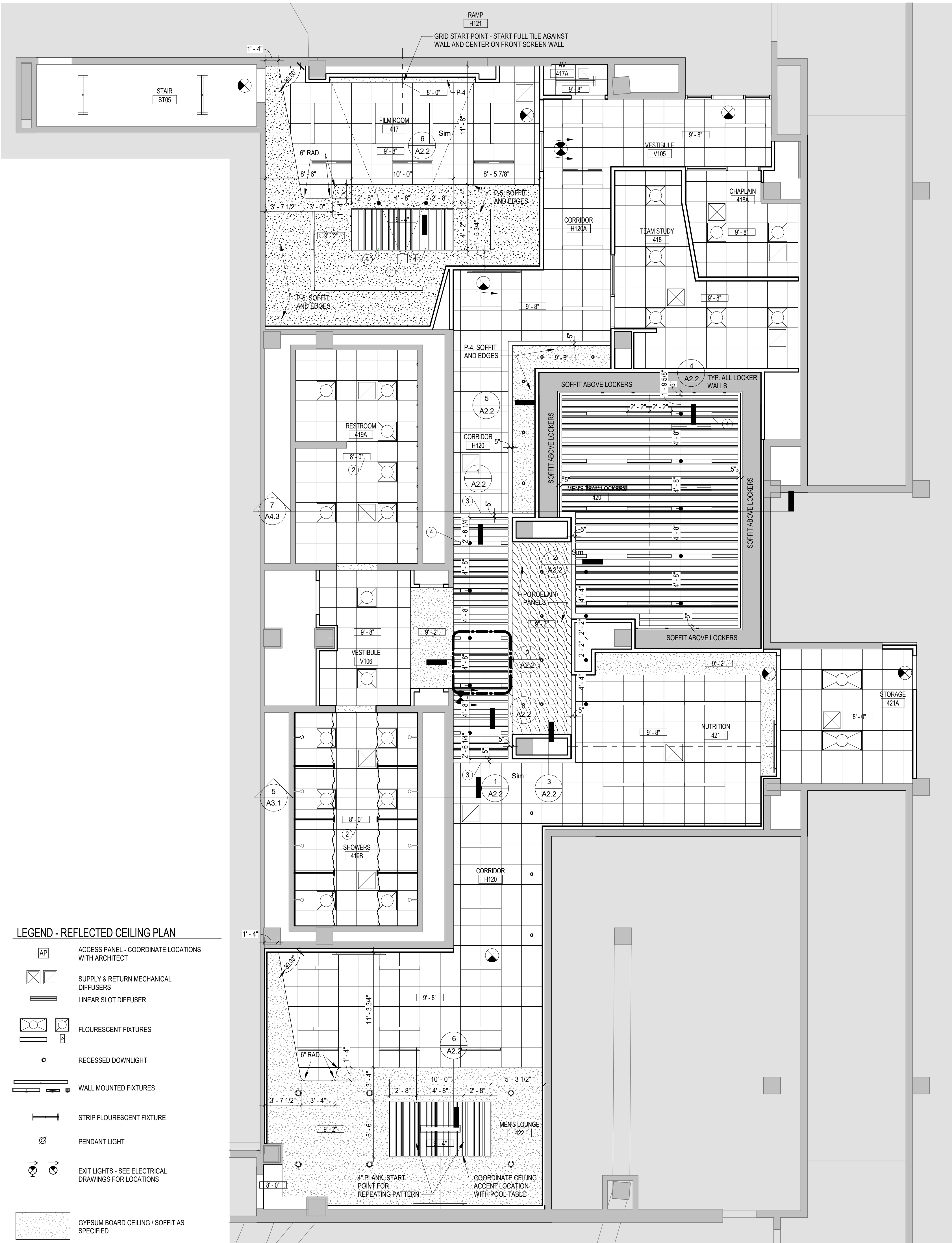
GENERAL NOTES - DEMO RCP

2 DEMOLITION REFLECTED CEILING PLAN
 A2.1 3/16" x 1/4" REFERENCED ON A3.1

KEYNOTES - DEMO RCP

- 1 DEMO ALL CEILING GRID IN THIS SPACE
- 2 DEMO ALL GWB AND METAL STUD FRAMED SOFFITS CEILINGS AND SOFFITS IN THIS SPACE
- 3 MAINTAIN GWB FRAMED HEADER (DO NOT DEMO)
- 4 PATCH ANY/ALL HOLES AND REPAIR DAMAGE AFTER DEMOLITION OF LIGHTS AND OTHER DEVICES. CLEAN AND REPAINT CEILING.

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION AND NEW WORK. EXISTING BUILDING INFORMATION SHOWN IS BASED ON THE EXISTING DRAWINGS PROVIDED BY THE OWNER AND SELECTIVE FIELD MEASUREMENTS. GENERAL CONTRACTOR AND SUB-CONTRACTORS ARE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO CONSTRUCTION.
2. WHERE APPLICABLE, REFERENCE ABATEMENT SPECIFICATIONS FOR KNOWN AREAS CONTAINING HAZARDOUS MATERIALS. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED IN THE PROJECT SCOPE.
3. CONTRACTOR SHALL PHOTOGRAPH ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OR NEW WORK TO DOCUMENT PRE-CONSTRUCTION CONDITIONS. PROVIDE ARCHITECT AND OWNER WITH ELECTRONIC COPY OF PHOTOGRAPHS.
4. ITEMS TO SALVAGED AND REMOVED BY THE OWNER PRIOR TO DEMOLITION ARE IDENTIFIED WITHIN THE SPECIFICATIONS.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES AND LOCATIONS.
6. PROTECT ALL EXISTING PIPING & INSULATION, CONDUIT/BOXES, WIRING, LIGHTING, DUCTWORK, SPRINKLER PIPING, AND ALL OTHER UTILITIES TO REMAIN IN USE. REMOVE ALL ABANDONED OR DISCONNECTED ITEMS FROM ABOVE CEILINGS.
7. ALL FURNITURE, FIXTURES AND LOOSE ITEMS TO BE REMOVED BY OWNER BEFORE COMMENCEMENT OF WORK.
8. PATCH WALLS, CEILINGS AND FLOORS WHERE ITEMS ARE REMOVED OR WERE REMOVED BY OWNER TO PREPARE AREAS FOR FINAL WORK AND FINISHES AS SPECIFIED.
9. SEE MECHANICAL, PLUMBING AND ELECTRICAL DEMOLITION PLANS AND NOTES FOR DEMOLITION OF LIGHTS, DEVICES, DUCTWORK, PIPING, ETC. ABOVE CEILINGS. PREPARE ALL AREAS FOR NEW CEILINGS AND UTILITIES INCLUDING RAISING AND/OR REMOVAL OF CONDUIT, PIPING, DUCTWORK, ETC. NECESSARY TO ACHIEVE NOTED CEILING HEIGHTS. CONSULT WITH ARCHITECT SHOULD ANY UTILITY CONFLICTS ARISE.



LEGEND - REFLECTED CEILING PLAN

- AP ACCESS PANEL - COORDINATE LOCATIONS WITH ARCHITECT
- SUPPLY & RETURN MECHANICAL DIFFUSERS
- LINEAR SLOT DIFFUSER
- FLOURESCENT FIXTURES
- RECESSED DOWNLIGHT
- WALL MOUNTED FIXTURES
- STRIP FLOURESCENT FIXTURE
- PENDANT LIGHT
- EXIT LIGHTS - SEE ELECTRICAL DRAWINGS FOR LOCATIONS
- GYPSUM BOARD CEILING / SOFFIT AS SPECIFIED
- ACOUSTICAL PANEL CEILING AS SPECIFIED
- SUSPENDED METAL PLANK CEILING SYSTEM AS SPECIFIED
- 9'-8" SHOWS CEILING HEIGHTS RELATIVE TO MAIN 0'-0" FINISHED FLOOR ELEVATION

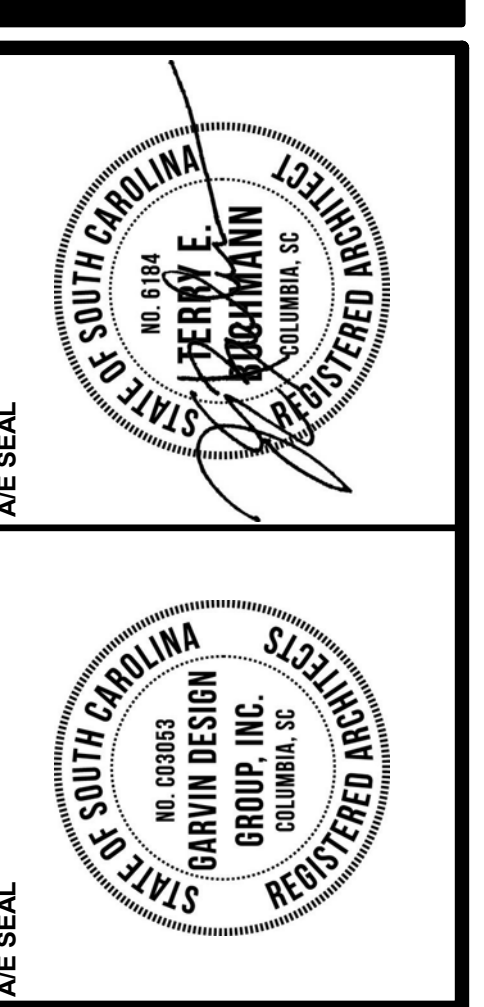
1 REFLECTED CEILING PLAN
 A2.1 3/16" x 1/4" REFERENCED ON A3.1

KEYNOTES - REFLECTED CEILING PLAN

- 1 PROJECTOR & CEILING MOUNTING HARDWARE
- 2 CONTRACTOR TO CONFIRM WITH ARCHITECT MAXIMUM POSSIBLE CEILING HEIGHT AGAINST ADJACENT WALLS AFTER EXISTING CEILING DEMOLITION
- 3 GRID START POINT - START FULL TILE AGAINST REVEAL AND CENTER TILES SIDE TO SIDE IN GRID WIDTH
- 4 START WITH 4" PLANK AT LIGHT LOCATION AND WORK 4'-8" REPEATING PATTERN IN BOTH DIRECTIONS TO ACHIEVE SYMMETRICAL LIGHT PLACEMENT AS SHOWN - SEE ENLARGED CEILING REPEATING PATTERN 8/A2.2

GENERAL NOTES - REFLECTED CEILING PLAN

1. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND SPECIFIC FIXTURE DESIGNATIONS, AND FOR ELECTRICAL CEILING AND WALL MOUNTED DEVICES.
2. ALL SUSPENDED ACOUSTICAL GRIDS ARE TO BE LOCATED AS SHOWN, UNLESS NOTED OTHERWISE. REFERENCE NOTES FOR GRID START POINTS AND FULL-TILE LOCATIONS. REVIEW ALL GRID LAYOUTS WITH ARCHITECT PRIOR TO INSTALLATION TO ASSURE NO "SLIVERS" OF TILE, OVERLAPPING WALL MOLDS, OR OUT-OF-SQUARE CONDITIONS OCCUR. GRIDS NOT COMPLYING WITH THIS PROCESS OR THESE STIPULATIONS WILL BE REMOVED AND RE-INSTALLED AT CONTRACTOR'S EXPENSE.
3. CEILING MOUNTED EQUIPMENT, DEVICES, FIXTURES & GRILLS MUST BE COORDINATED ON REFLECTED CEILING PLANS. CEILING MOUNTED SPRINKLERS TO BE LOCATED IN CENTER OF CEILING TILE IN APC CEILINGS AND ALIGNED WITH DOWNLIGHTS IN GWB CEILINGS/SOFFITS.
4. SEE FP DRAWINGS FOR FIRE PROTECTION SYSTEM LAYOUT. COORDINATE ROUTING OF PIPING W/ ARCHITECTURAL DWGS AND DETAILS AS WELL AS ALL OTHER SYSTEM DRAWINGS (S, M, P, & ES). SUBMIT LAYOUT COORDINATION DRAWING FOR REVIEW & APPROVAL PRIOR TO INSTALLATION.
5. PAINT ALL EXPOSED STRUCTURE/CEILING AREA INCLUDING ROOF DECK, STEEL STRUCTURE, DUCTWORK, PLUMBING LINES, FIRE SUPPRESSION LINES, ELEC. CONDUITS & BOXES AND OTHER NON-FINISHED ITEMS, EXCEPT IN MECHANICAL ROOMS, ELECTRICAL ROOM, ELEVATOR MACHINE ROOMS, AND TEL DATA ROOMS, UNLESS NOTED OTHERWISE ON FINISH SCHEDULES AND INTERIOR ELEVATIONS.
6. ACCESS PANELS BY GENERAL CONTRACTOR. QUANTITY OF ACCESS PANELS SHOWN ON ARCHITECTURAL DRAWINGS NOT INTENDED TO BE ALL INCLUSIVE. SEE MECHANICAL DRAWINGS, PLUMBING DRAWINGS, ELECTRICAL DRAWINGS, AND FIRE PROTECTION SHOP DRAWINGS FOR ADDITIONAL ACCESS PANELS. NOT SHOWN, COORDINATE EXACT LOCATION OF ACCESS PANELS NOT SHOWN WITH ARCHITECT. BRING ALL MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WHICH NEED ACCESS TO THE ACCESS PANEL LOCATIONS SHOWN - BRING THE NEED FOR ADDITIONAL ACCESS PANELS TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING.

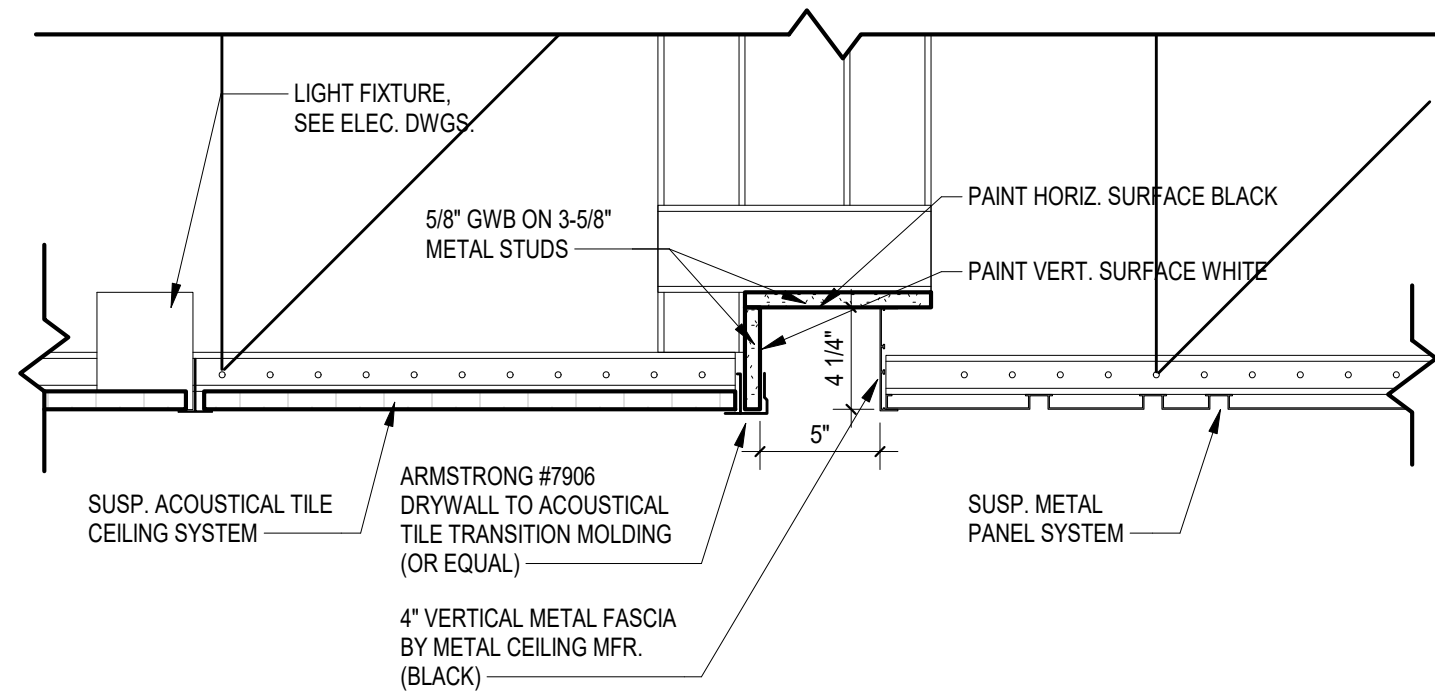


PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
 Carolina Coliseum
 650 Park Street
 Columbia, SC 29201

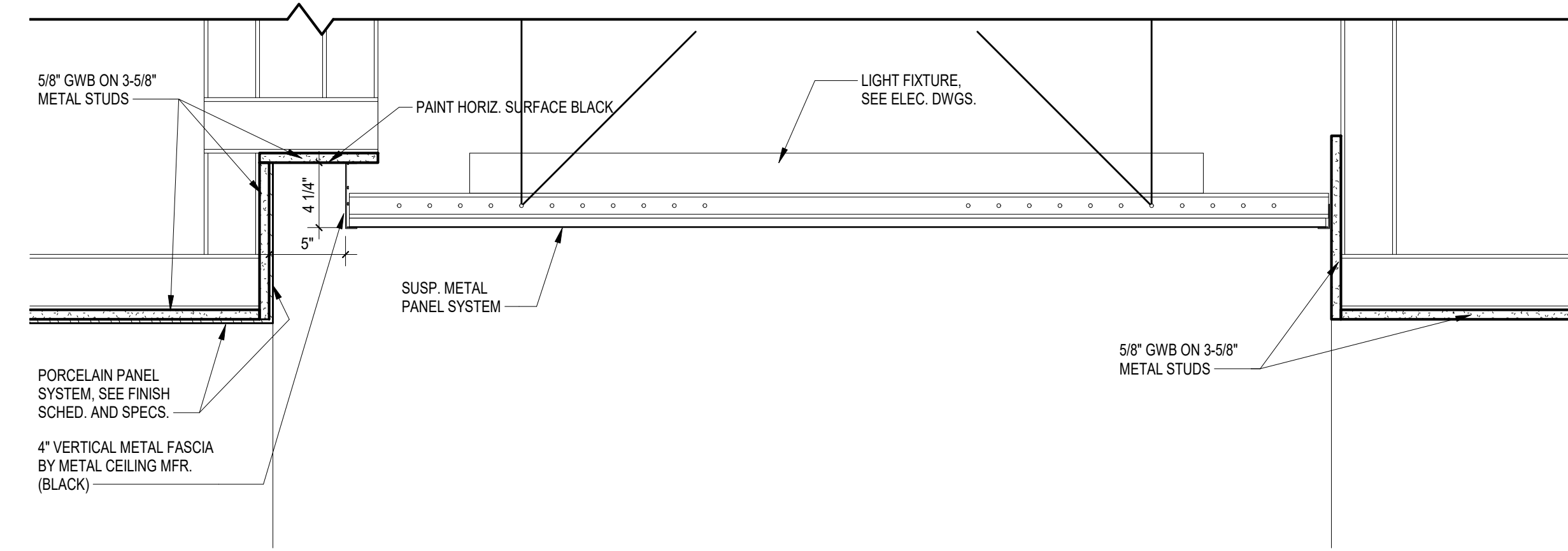
NO.	REVISIONS	NAME	DATE

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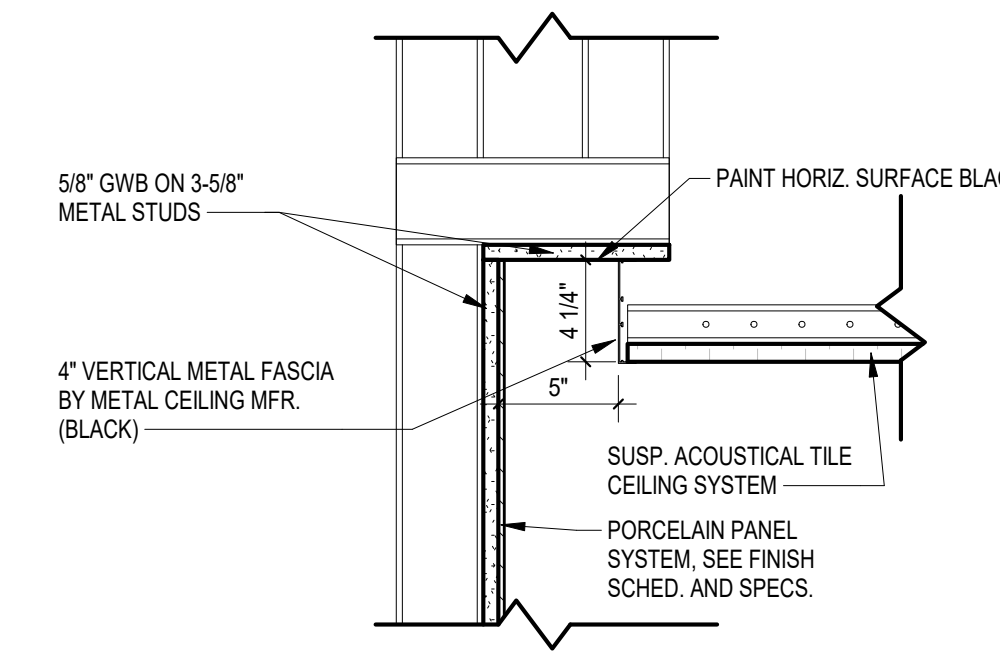
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GROUND FLOOR REFLECTED CEILING PLAN AND CEILING DEMOLITION PLAN
DRAWING NO.
A2.1



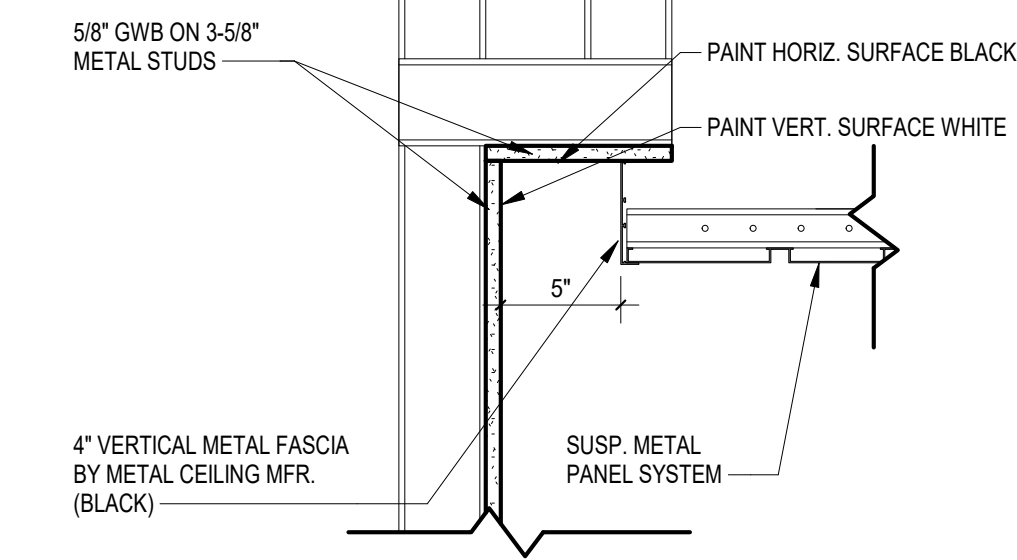
1 CEILING DETAIL 1
A2.2 1 1/2" = 1'-0" REFERENCED ON: A2.1



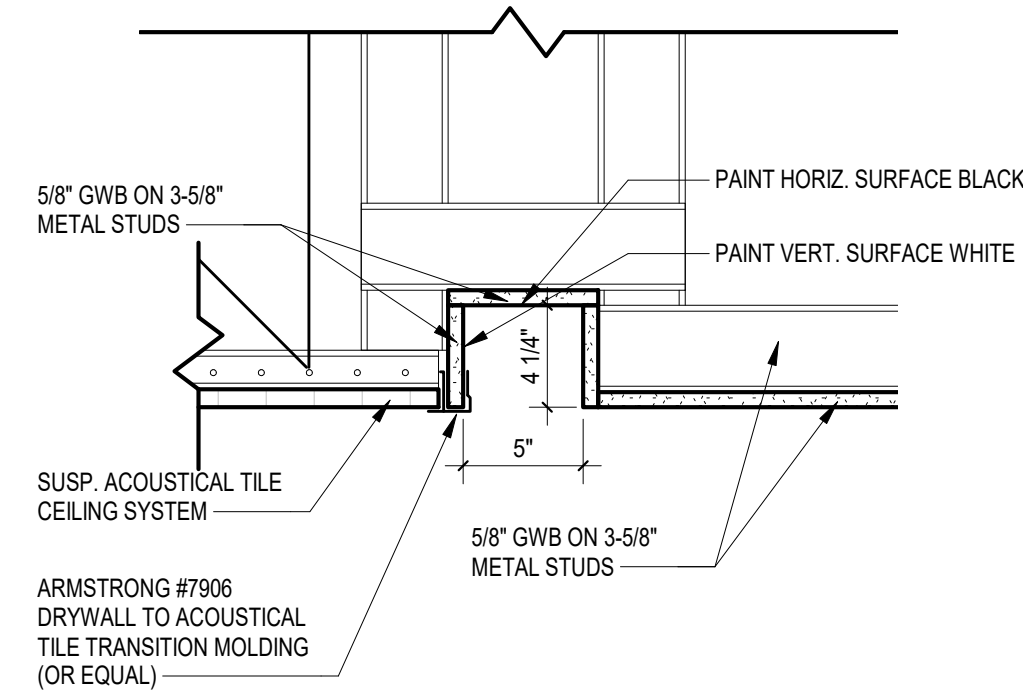
2 CEILING DETAIL 2
A2.2 1 1/2" = 1'-0" REFERENCED ON: A2.1



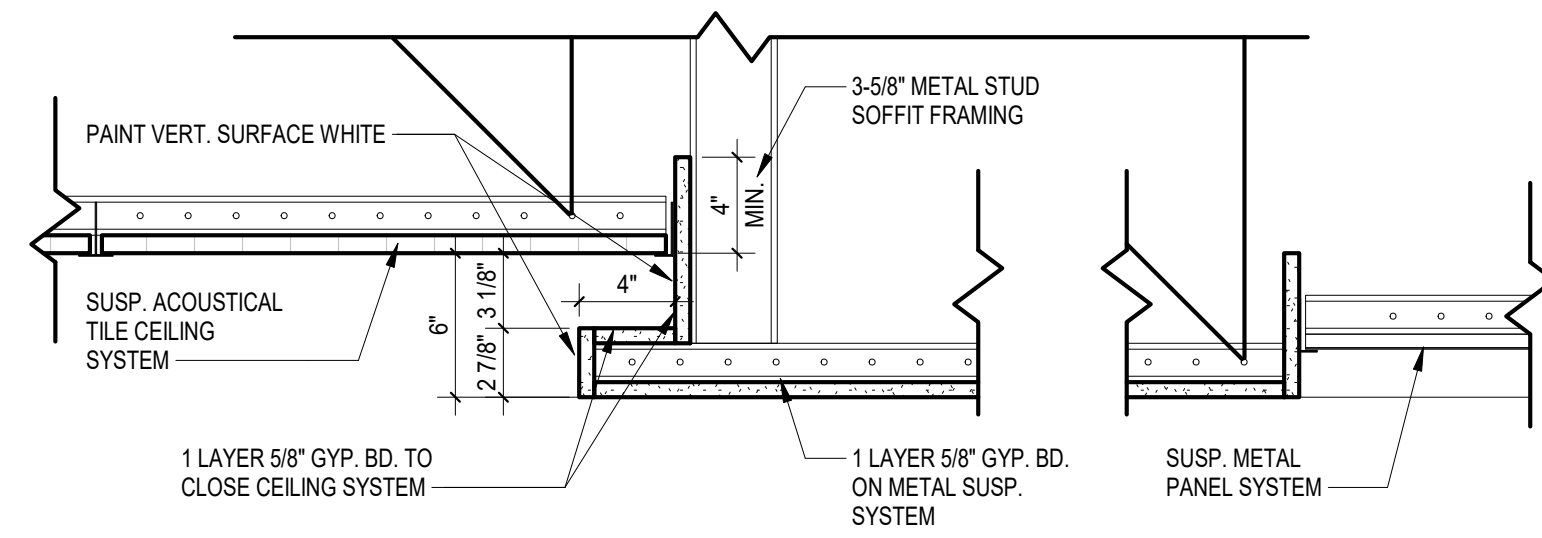
3 CEILING DETAIL 3
A2.2 1 1/2" = 1'-0" REFERENCED ON: A2.1



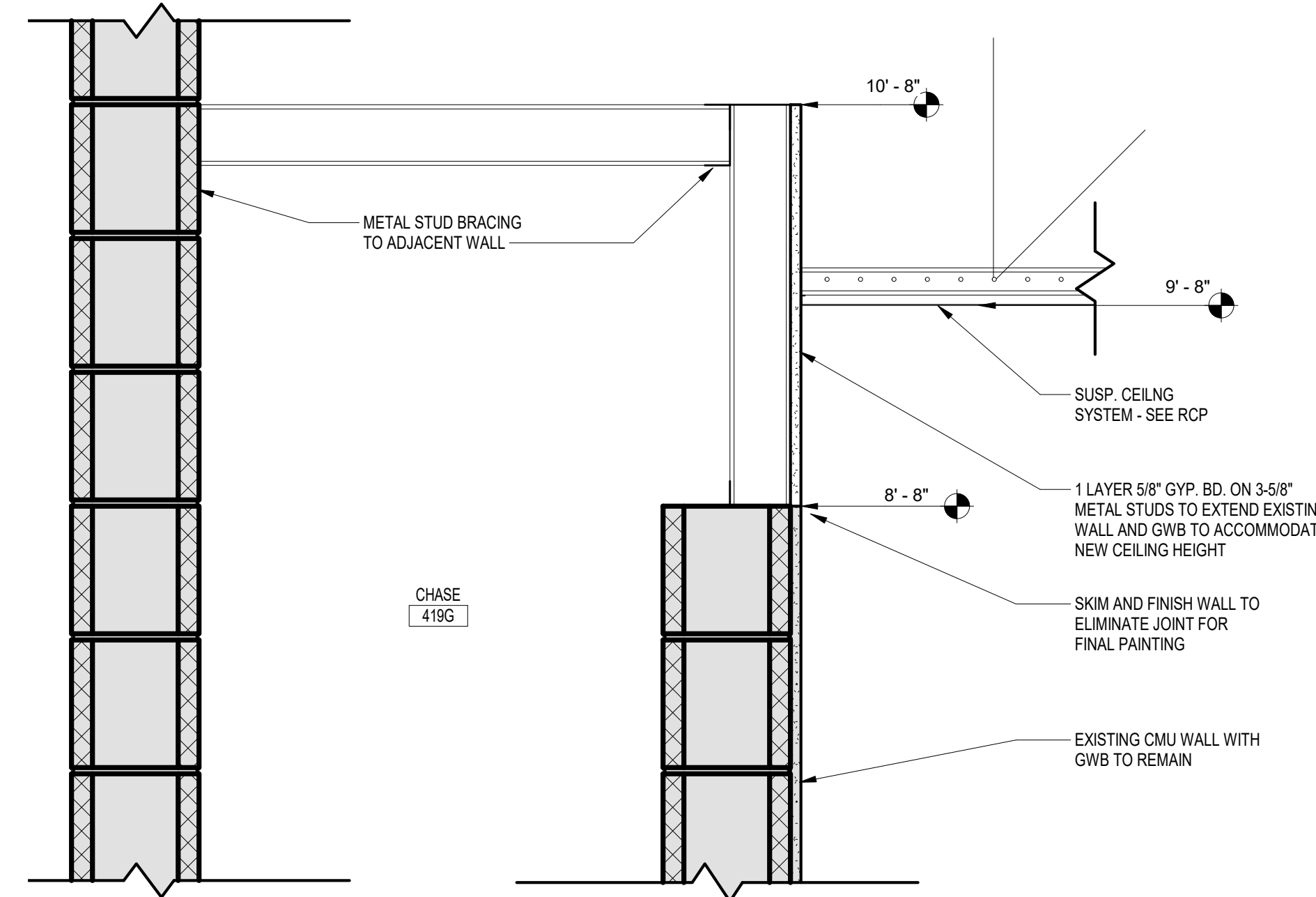
4 CEILING DETAIL 4
A2.2 1 1/2" = 1'-0" REFERENCED ON: A2.1



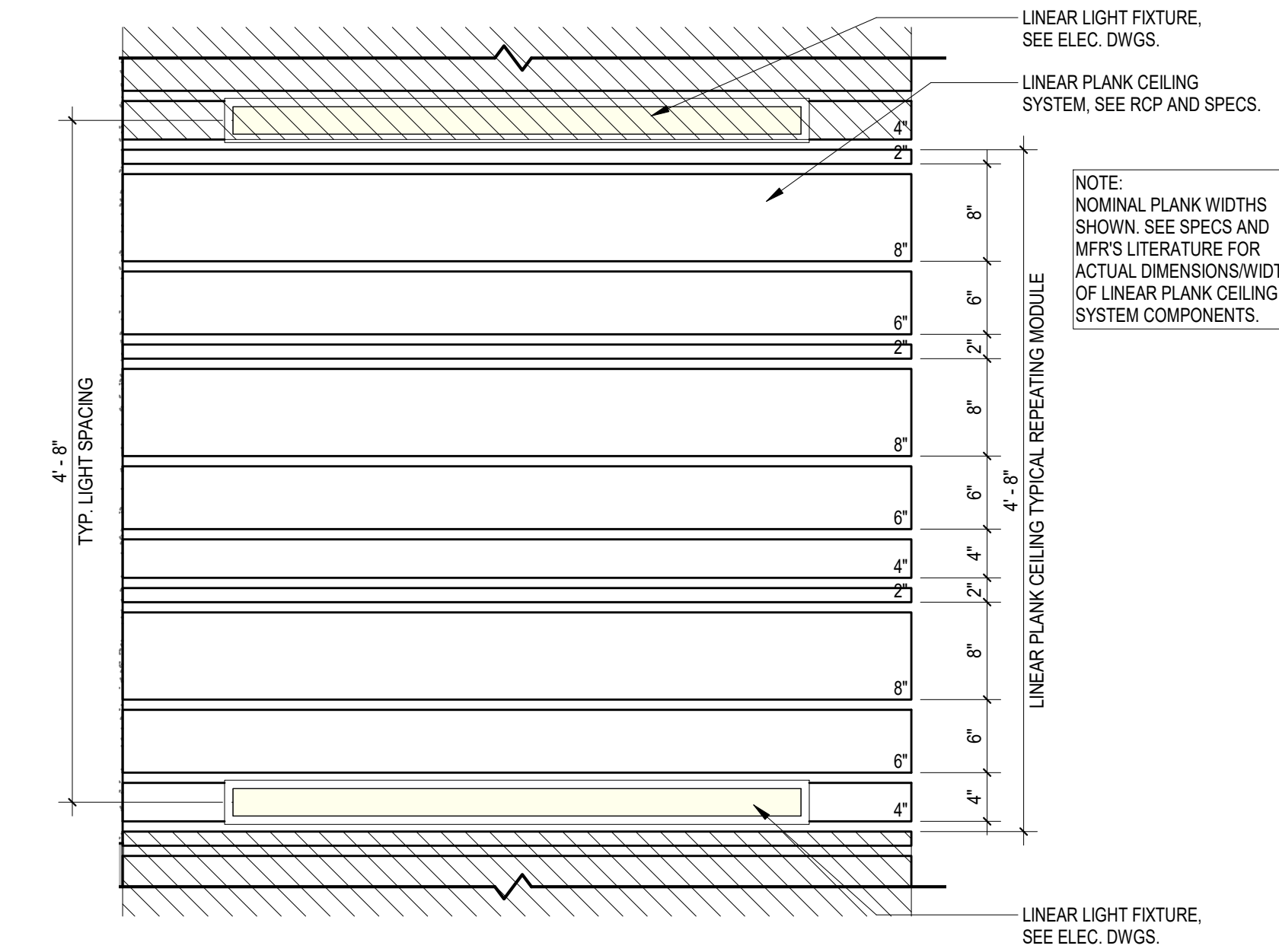
5 CEILING DETAIL 5
A2.2 1 1/2" = 1'-0" REFERENCED ON: A2.1



6 CEILING DETAIL 6
A2.2 1 1/2" = 1'-0" REFERENCED ON: A2.1



7 SECTION AT CMU WALL EXTENSION
A2.2 1 1/2" = 1'-0" REFERENCED ON: A1.1



8 ENLARGED METAL PLANK CEILING PATTERN
A2.2 1" = 1'-0" REFERENCED ON: A2.1



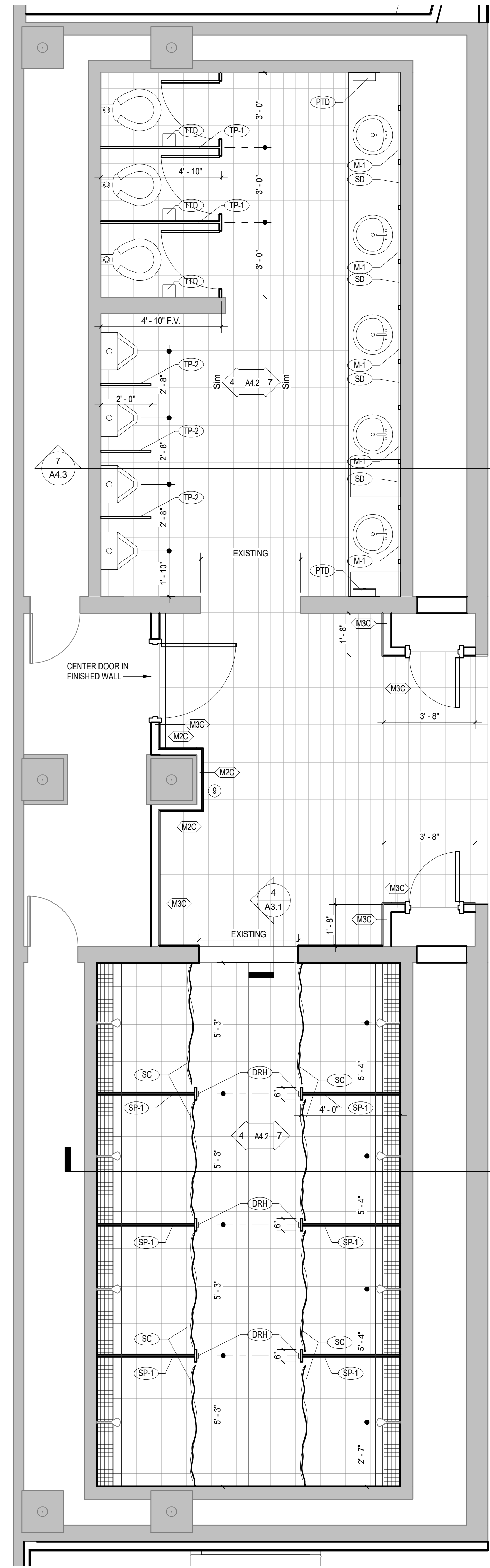
PROJECT TITLE
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Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

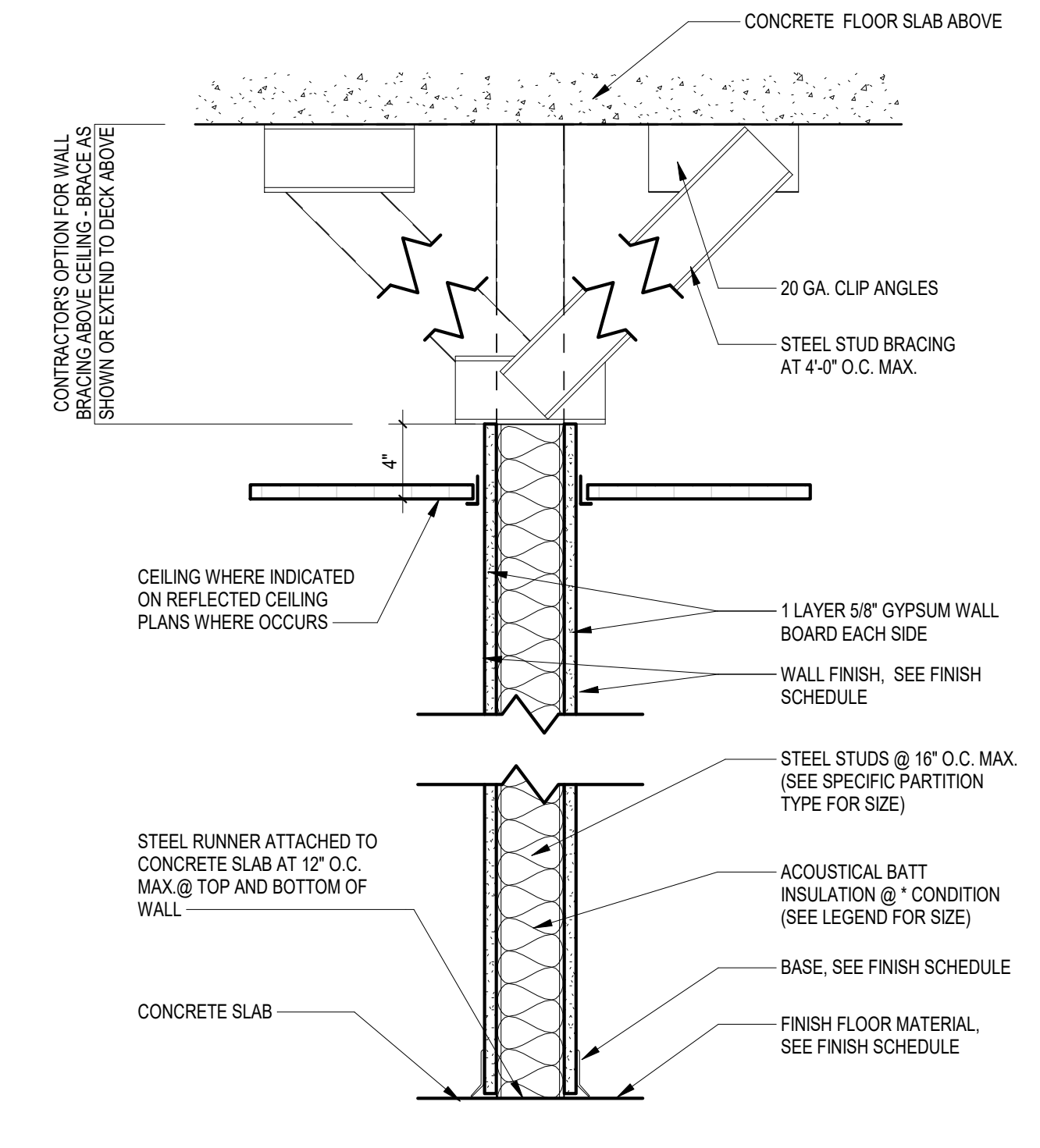
DRAWN BY: A1/12
CHECKED BY: A2/18
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DRAWING TITLE
CEILING DETAILS

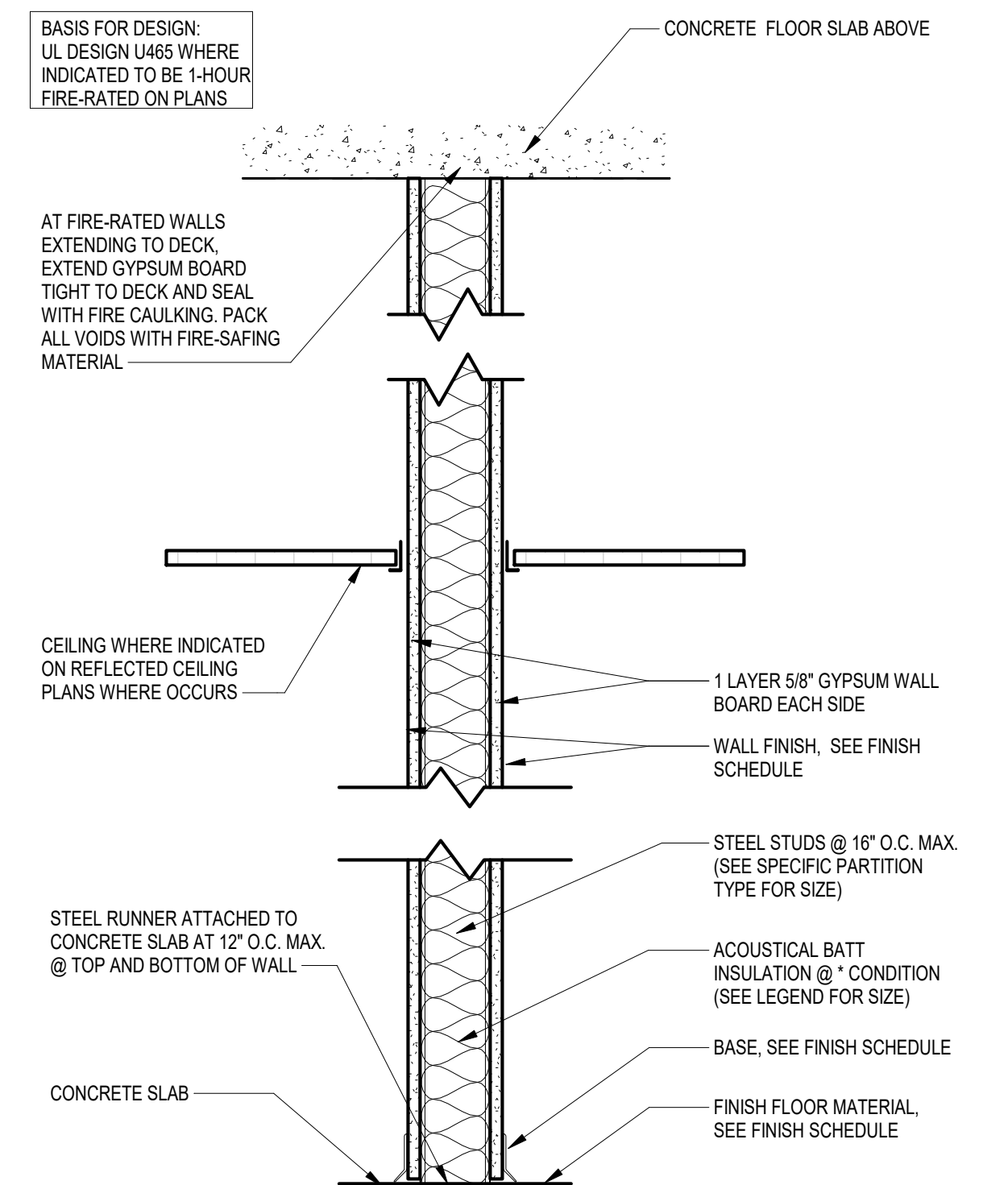
PROJECT NO. 1471.17
DATE 06-01-18
DRAWING NO. **A2.2**



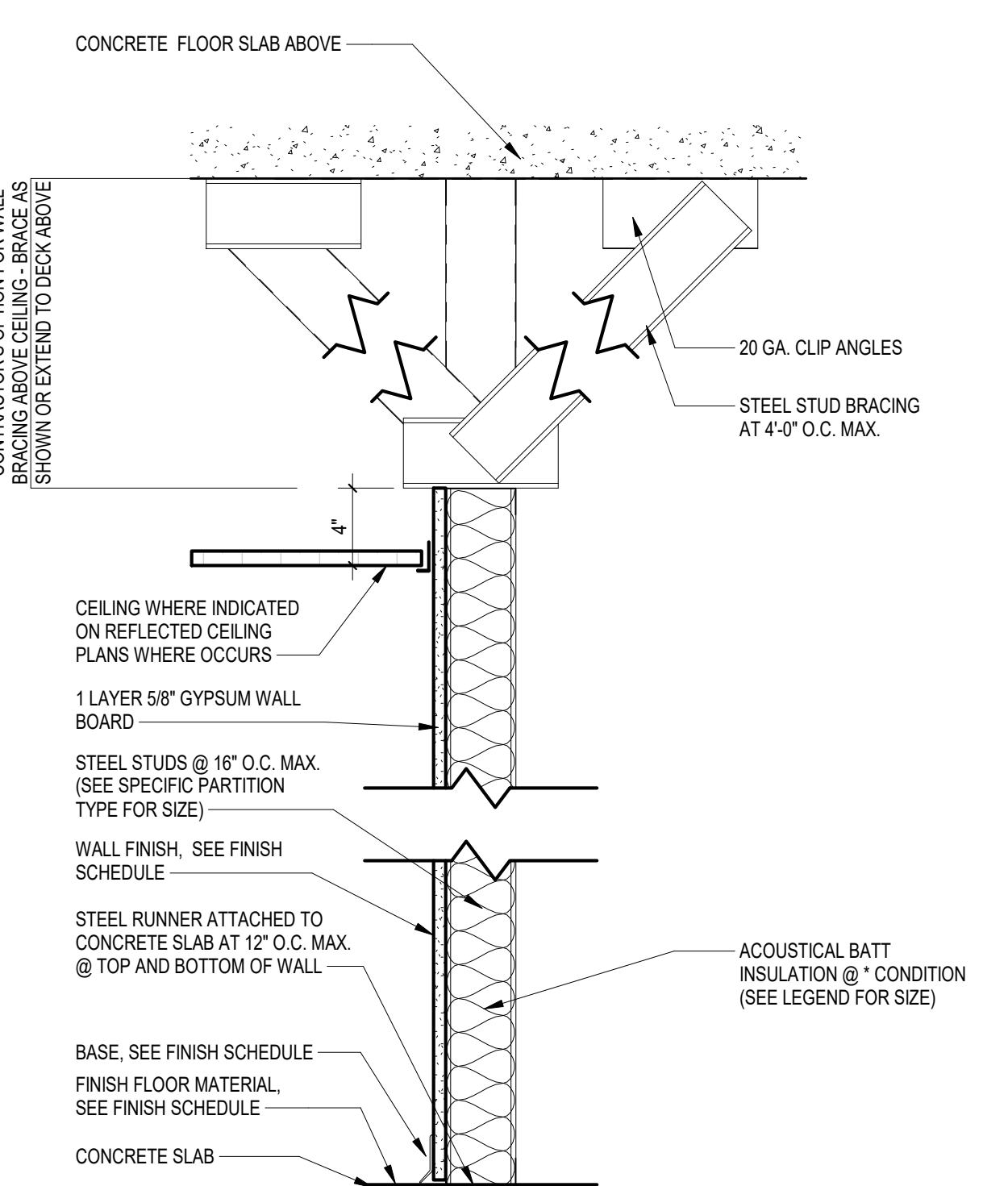
1 ENLARGED PLAN AT BATHROOM
A3.1 38" x 1'-0"
REFERENCED: A1.1
ON



M#A INTERIOR PARTITION
1 1/2" x 1'-0"



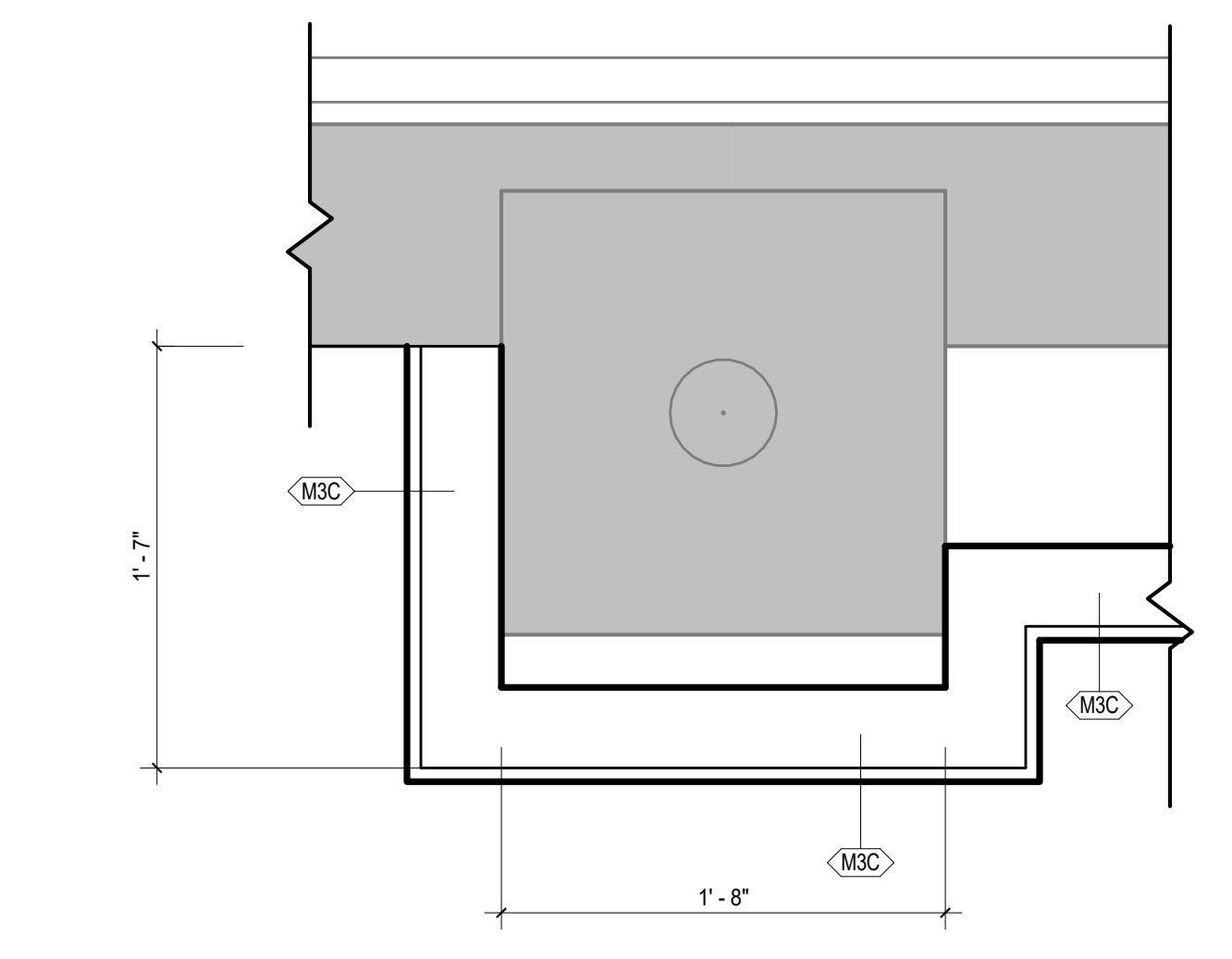
M#B INTERIOR PARTITION
1 1/2" x 1'-0"



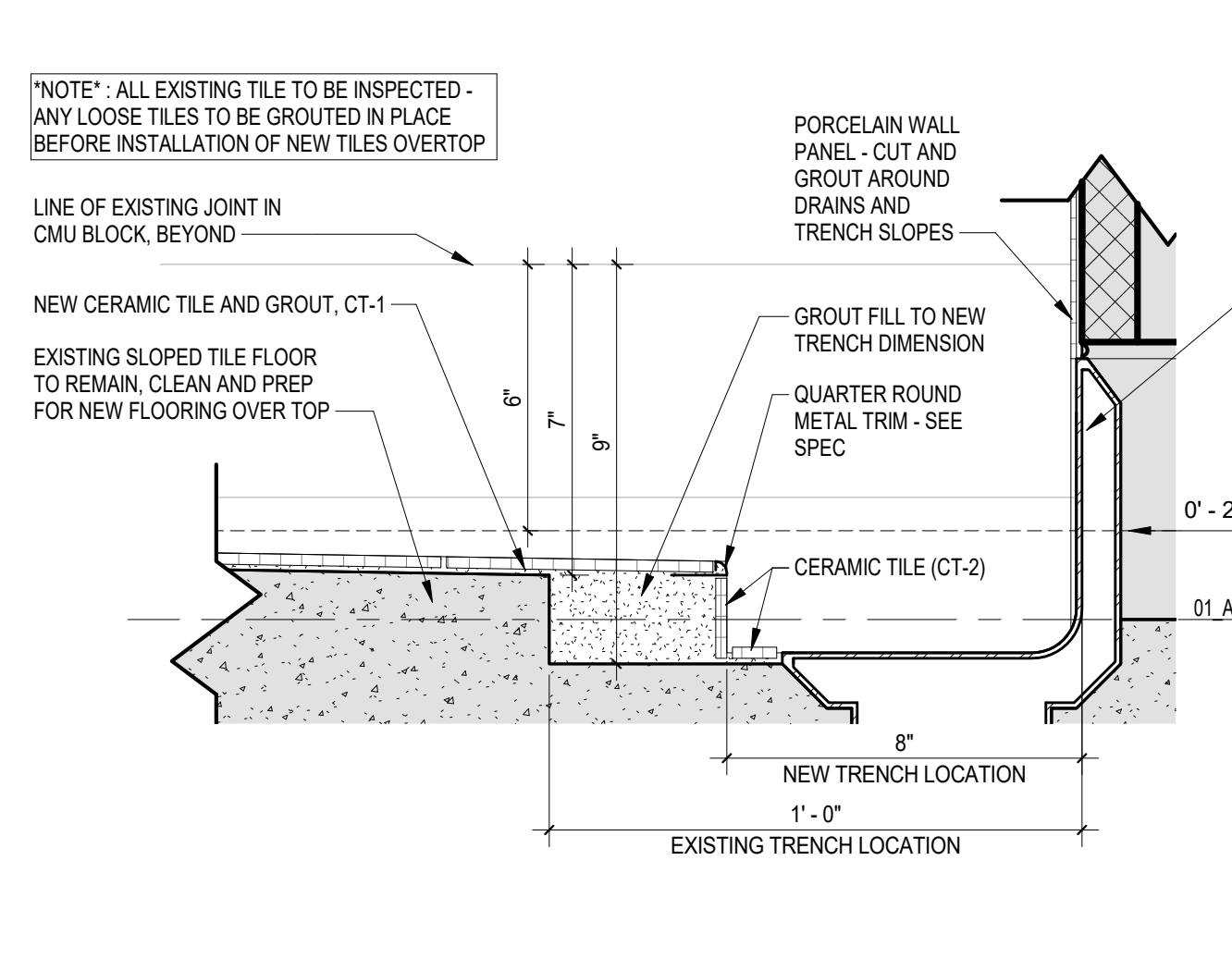
M#C INTERIOR PARTITION
1 1/2" x 1'-0"

LEGEND - PARTITION TYPES

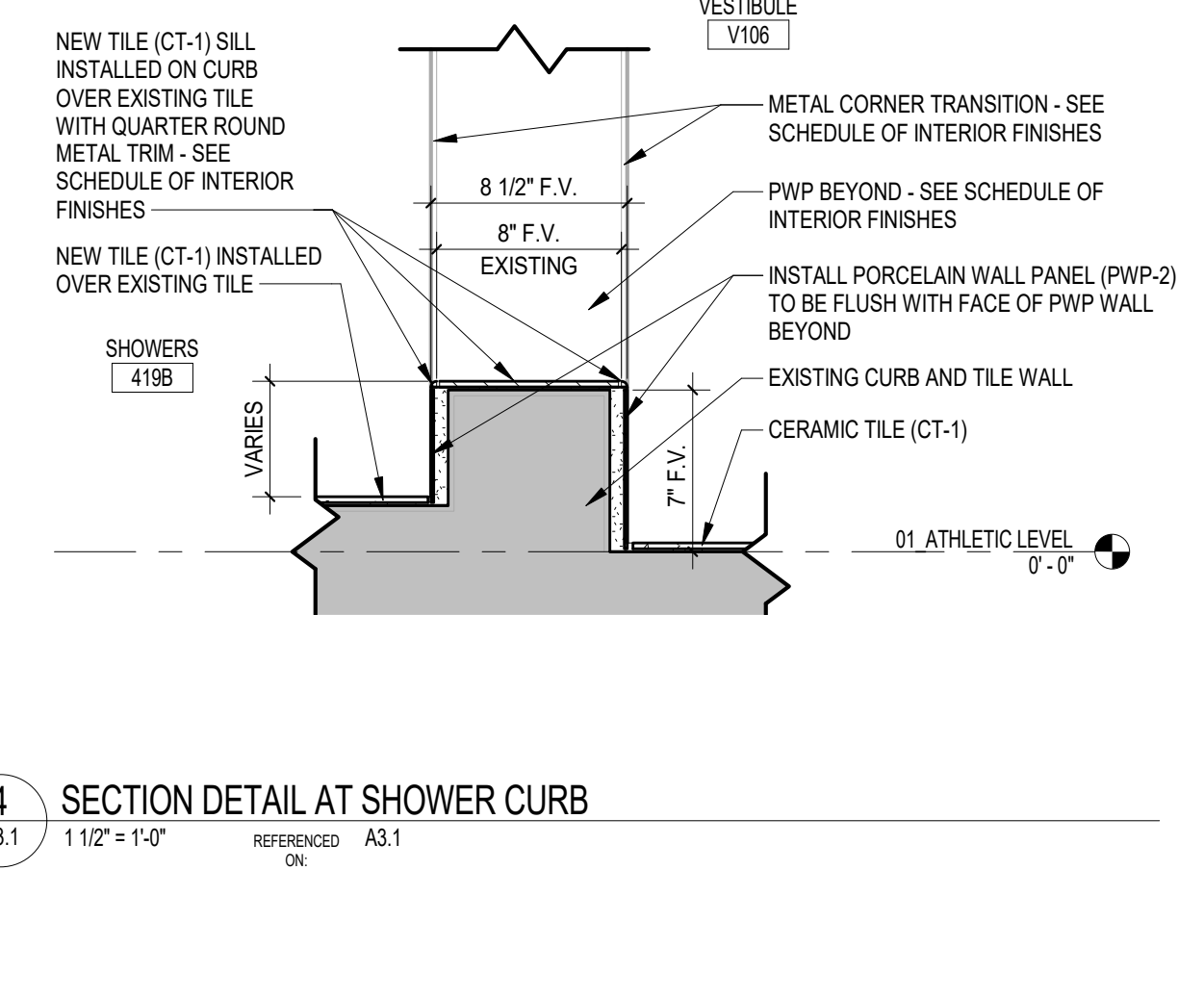
MATERIAL	FINISH	CONSTRUCTION
M#1 1-1/2" METAL STUD	SEE PARTITION SECTION	SEE PARTITION SECTION
M#2 2-1/2" METAL STUD		
M#3 3-5/8" METAL STUD		
M#4 4" METAL STUD		
M#5 6" METAL STUD		
M#6 8" METAL STUD		
M#7 12" METAL STUD		
M#8 18" METAL STUD		
W#1 2x2" WOOD STUD		
W#2 2x4" WOOD STUD		
W#3 2x6" WOOD STUD		
W#4 2x8" WOOD STUD		
C#1 4" CMU (3-5/8" NOM.)		
C#2 8" CMU (7-5/8" NOM.)		
C#3 12" CMU (11-5/8" NOM.)		
S#1 2" C-H STUD (SHAFT WALL)		



2 PLAN DETAIL AT COLUMN SURROUND
A3.1 1 1/2" x 1'-0"
REFERENCED: A1.1
ON

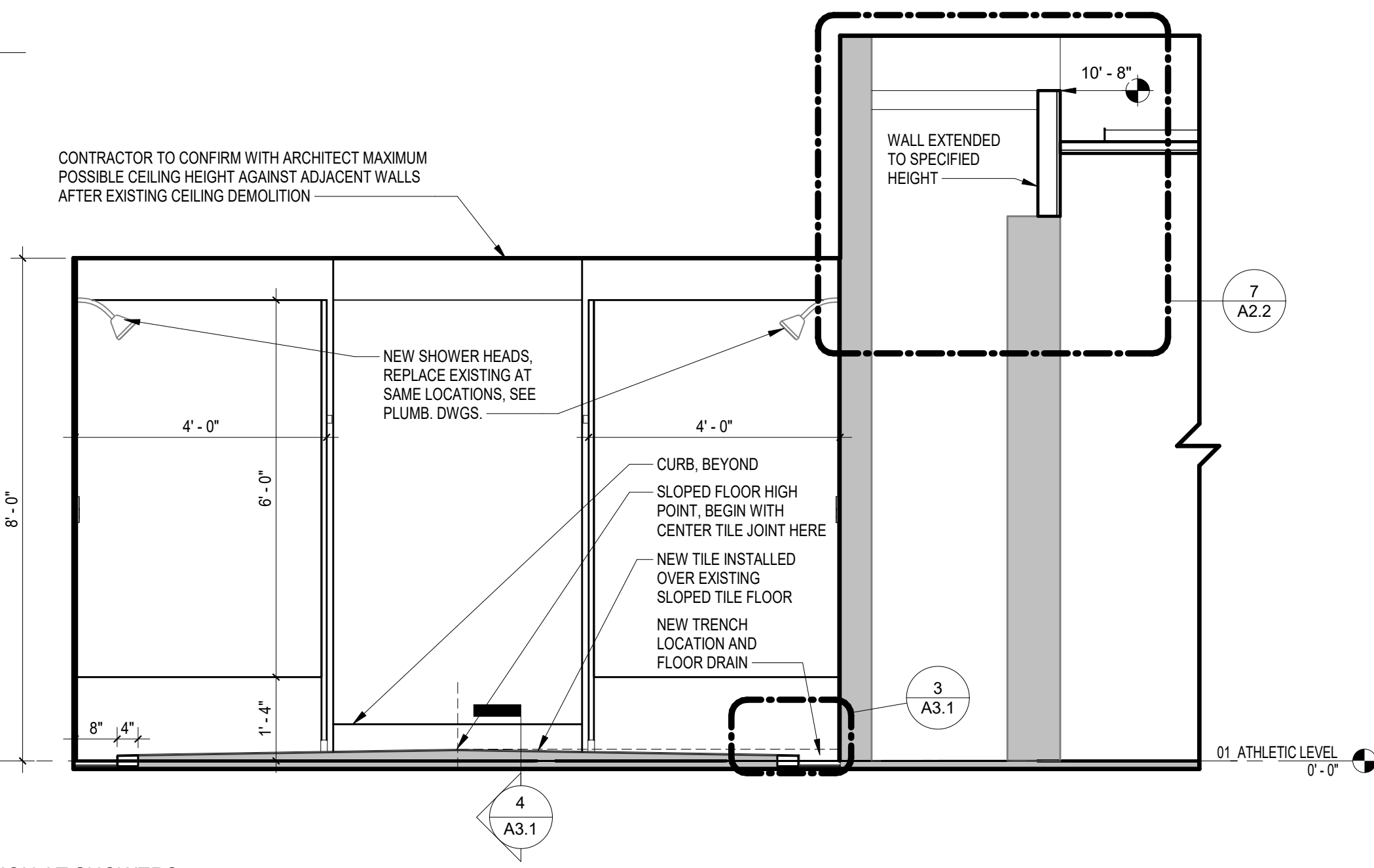


3 SECTION DETAIL AT SHOWER TRENCH
A3.1 3" x 1'-0"
REFERENCED: A3.1
ON

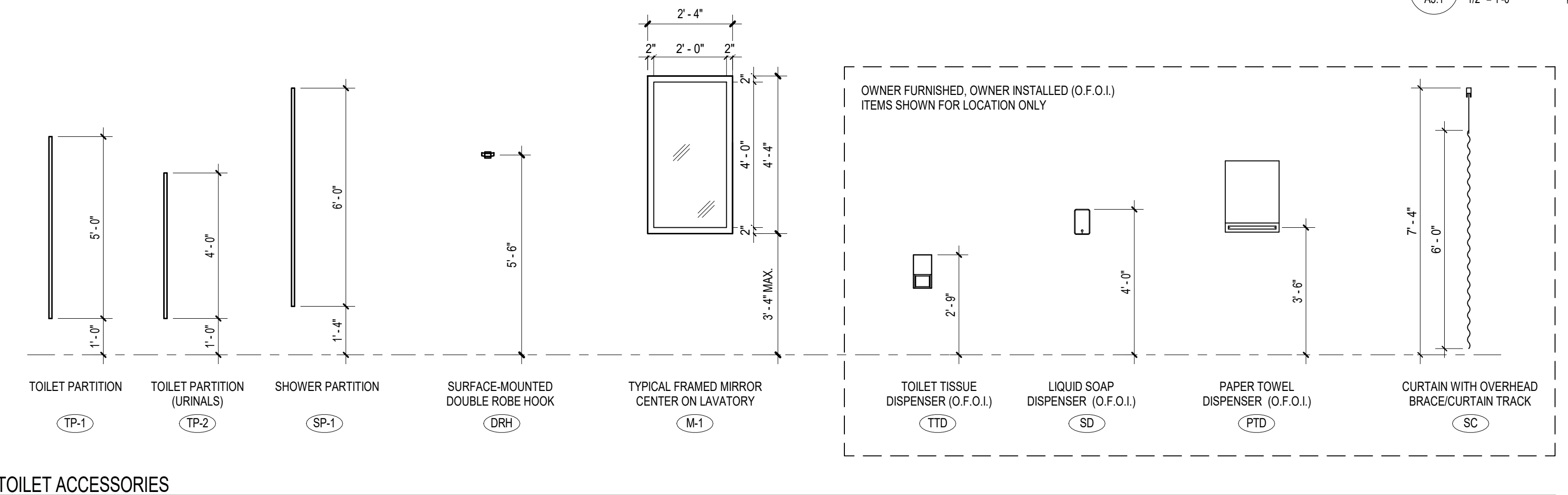


4 SECTION DETAIL AT SHOWER CURB
A3.1 1 1/2" x 1'-0"
REFERENCED: A3.1
ON

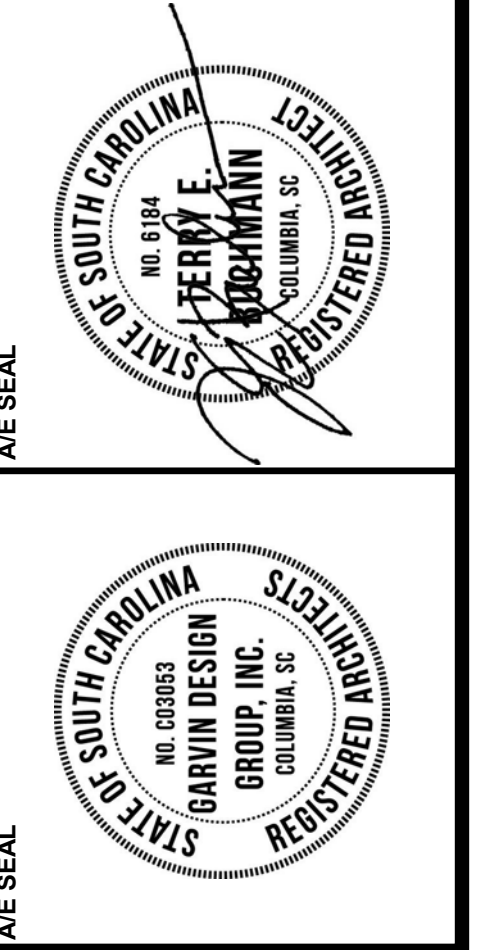
- KEYNOTES - FLOOR PLAN**
- 1 FLAT PANEL DISPLAY - BY OWNER (N.I.C.)
 - 2 ACCESS CONTROL - SEE ELEC. DWGS.
 - 3 WHITE BOARD WALL FINISH - SEE SCHEDULE OF INTERIOR FINISHES, F-4
 - 4 TYPE M#B' WALL OVER TOP OF STOREFRONT SYSTEM
 - 5 WALL-TALKER PROJECTION WALL FINISH - SEE SCHEDULE OF INTERIOR FINISHES, WC-1
 - 6 AV CONTROL COUNTER AND CABINET - SEE CASEWORK DETAILS
 - 7 PRINTER COUNTER AND CABINET - SEE CASEWORK DETAILS
 - 8 COUNTER LEDGE - SEE CASEWORK DETAILS
 - 9 EXISTING GLAZED BLOCK TO REMAIN - NEW WALL FINISH INSTALLED OVER TOP
 - 10 FILM ROOM CHAIRS - OWNER TO RELOCATE EXISTING CHAIRS TO NEW LOCATION AND RE-INSTALL ALONG WITH ADDITIONAL CHAIRS TO BE PURCHASED AND PROVIDED BY OWNER.
 - 11 REMOVE AND REPLACE ALL FINISHES - SEE FINISH SCHEDULE. REPAINT DOORS AND FRAMES. REPAINT HANDRAILS. REPLACE HARDWARE - SEE SPECS. SEE ELECTRICAL FOR LIGHTING UPGRADES.



5 SECTION AT SHOWERS
A3.1 1 1/2" x 1'-0"
REFERENCED: A1.1
ON



TOILET ACCESSORIES



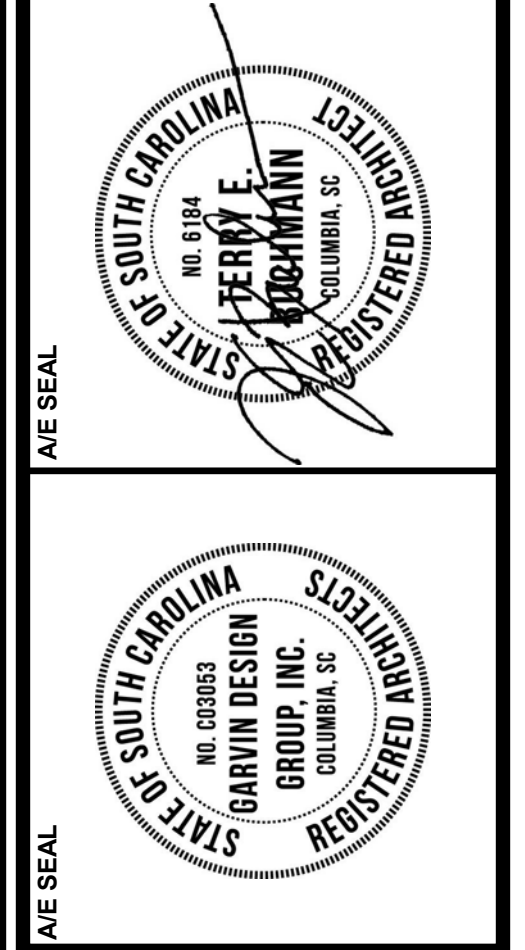
PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
Carolina Coliseum
650 Park Street
Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

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CHECKED BY: [Signature]
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DRAWING TITLE
ENLARGED PLANS AND PARTITION TYPES

PROJECT NO. 14711.17
DATE 06-01-18
DRAWING NO. A3.1

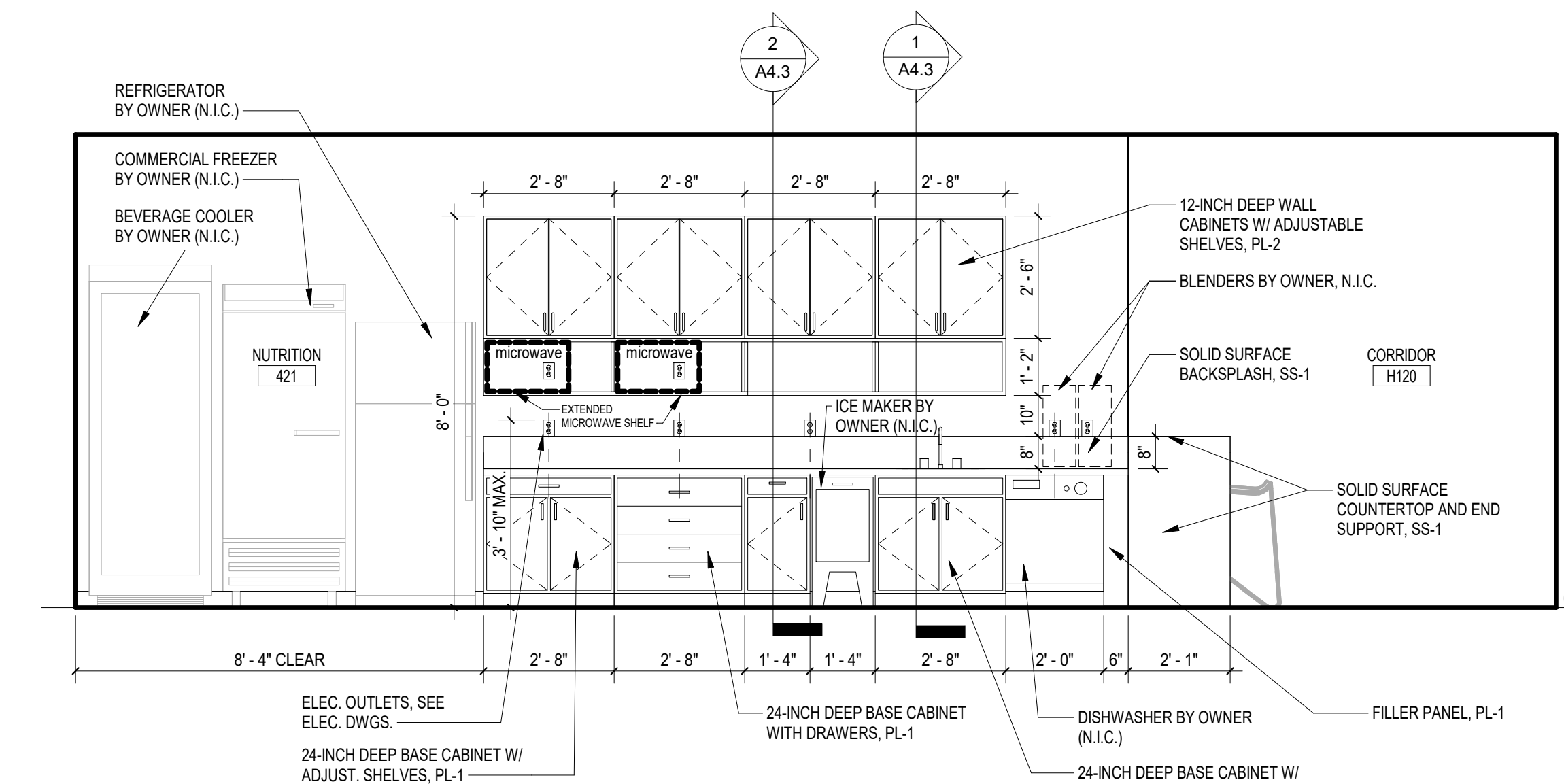


PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
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 650 Park Street
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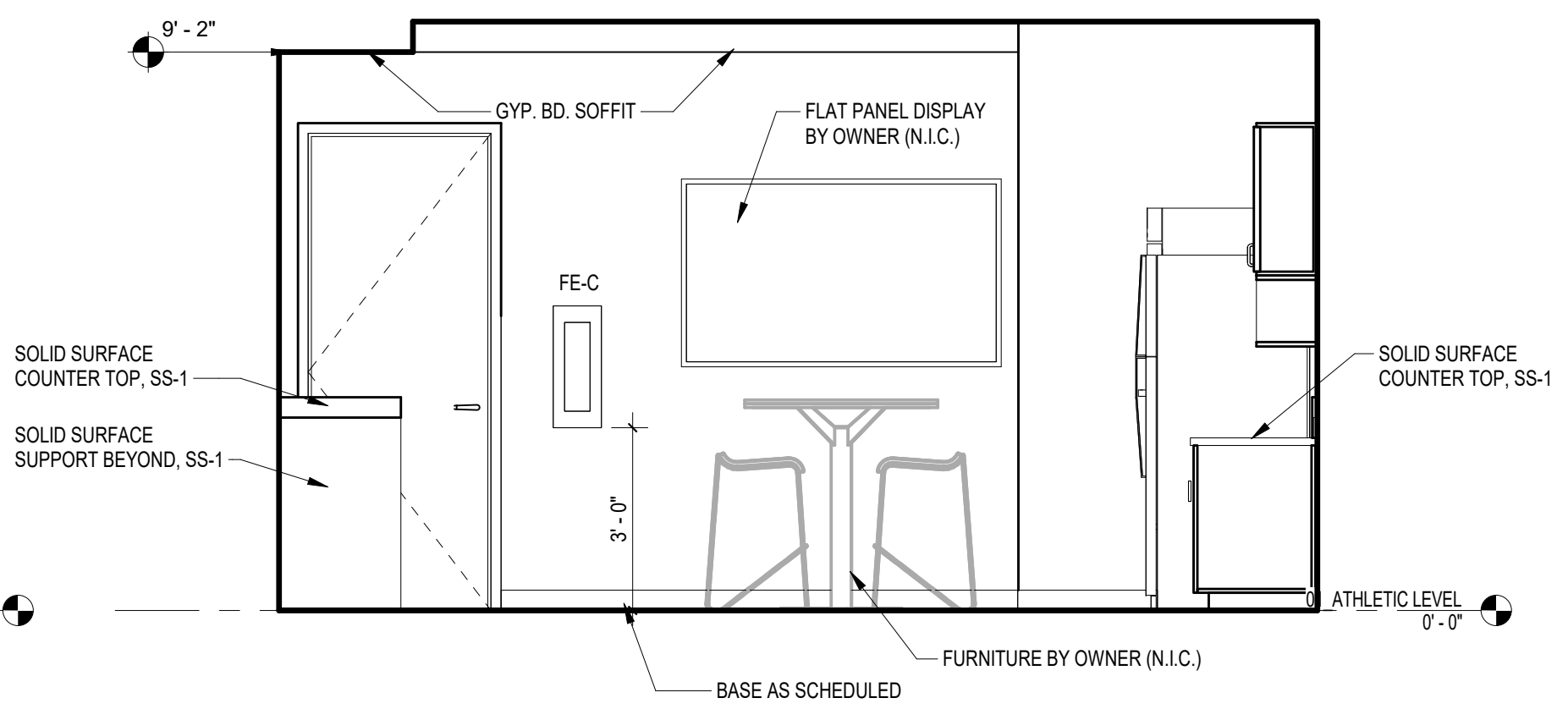
NO.	REVISIONS	NAME	DATE

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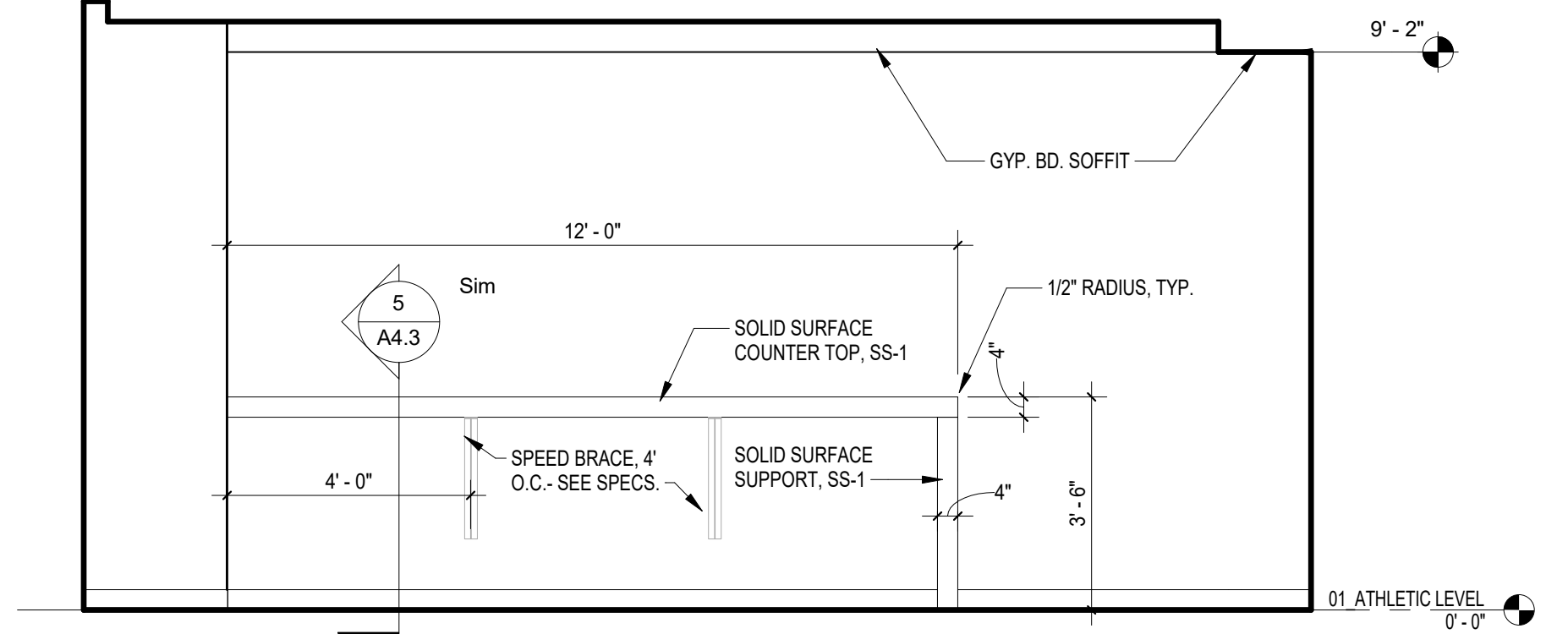
DRAWING TITLE
INTERIOR ELEVATIONS
DRAWING NO.
A4.1



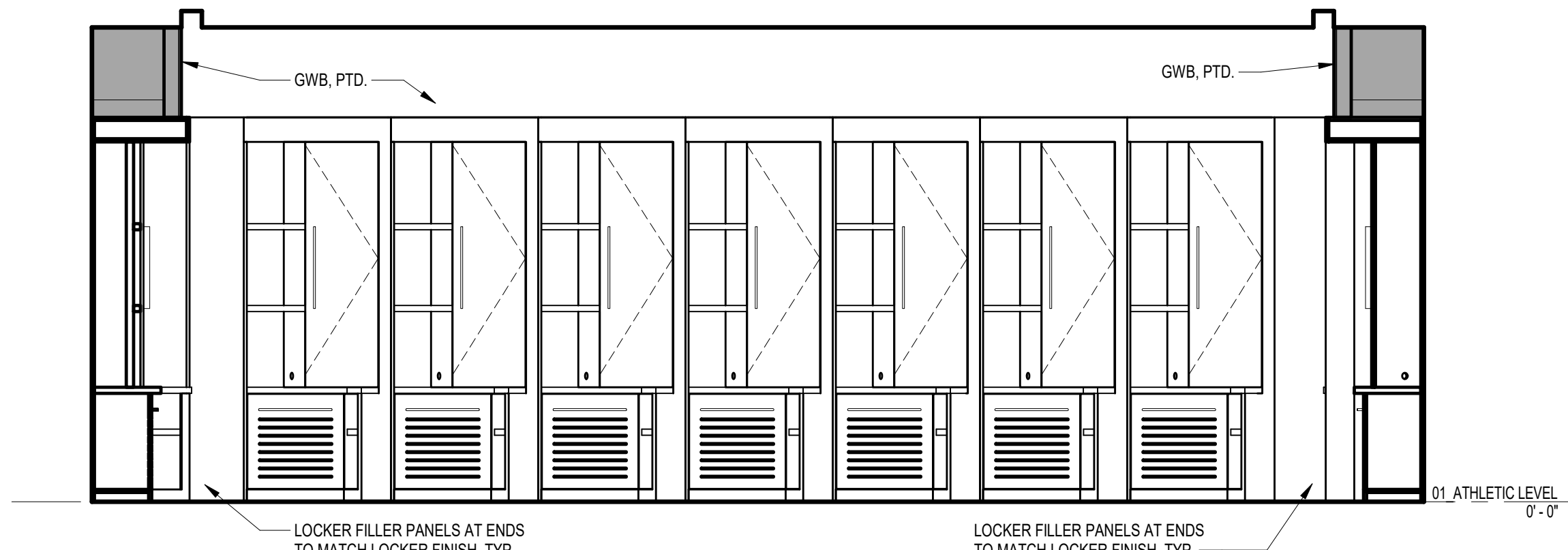
1 INTERIOR ELEVATION @ NUTRITION - SOUTH
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



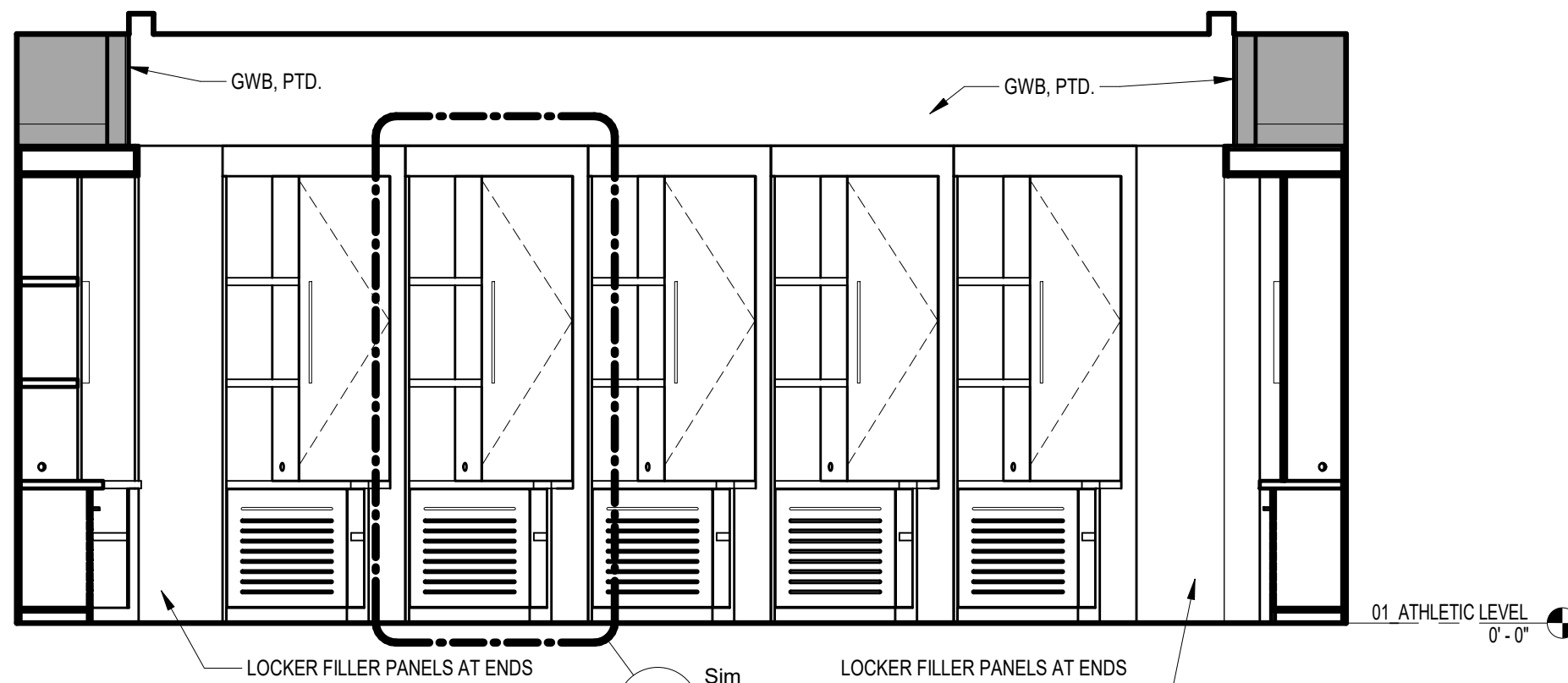
2 INTERIOR ELEVATION @ NUTRITION - EAST
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



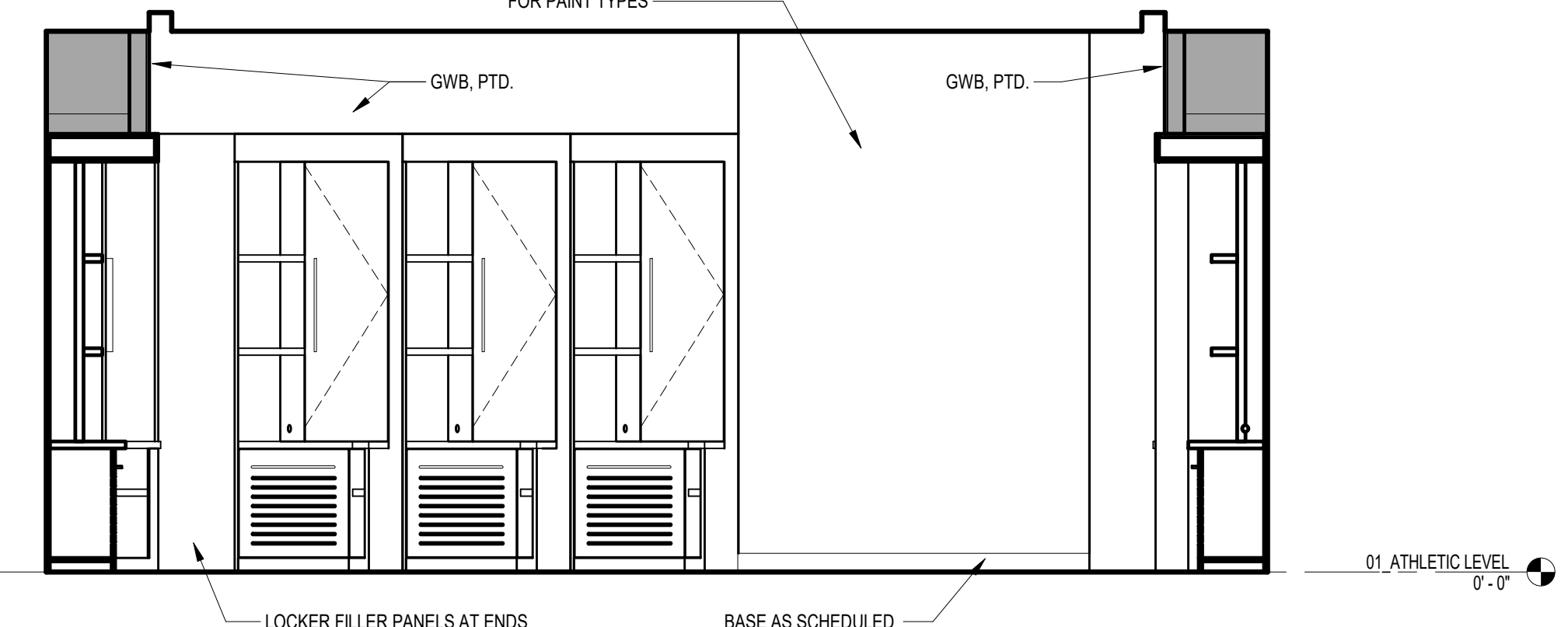
3 INTERIOR ELEVATION @ NUTRITION - NORTH
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



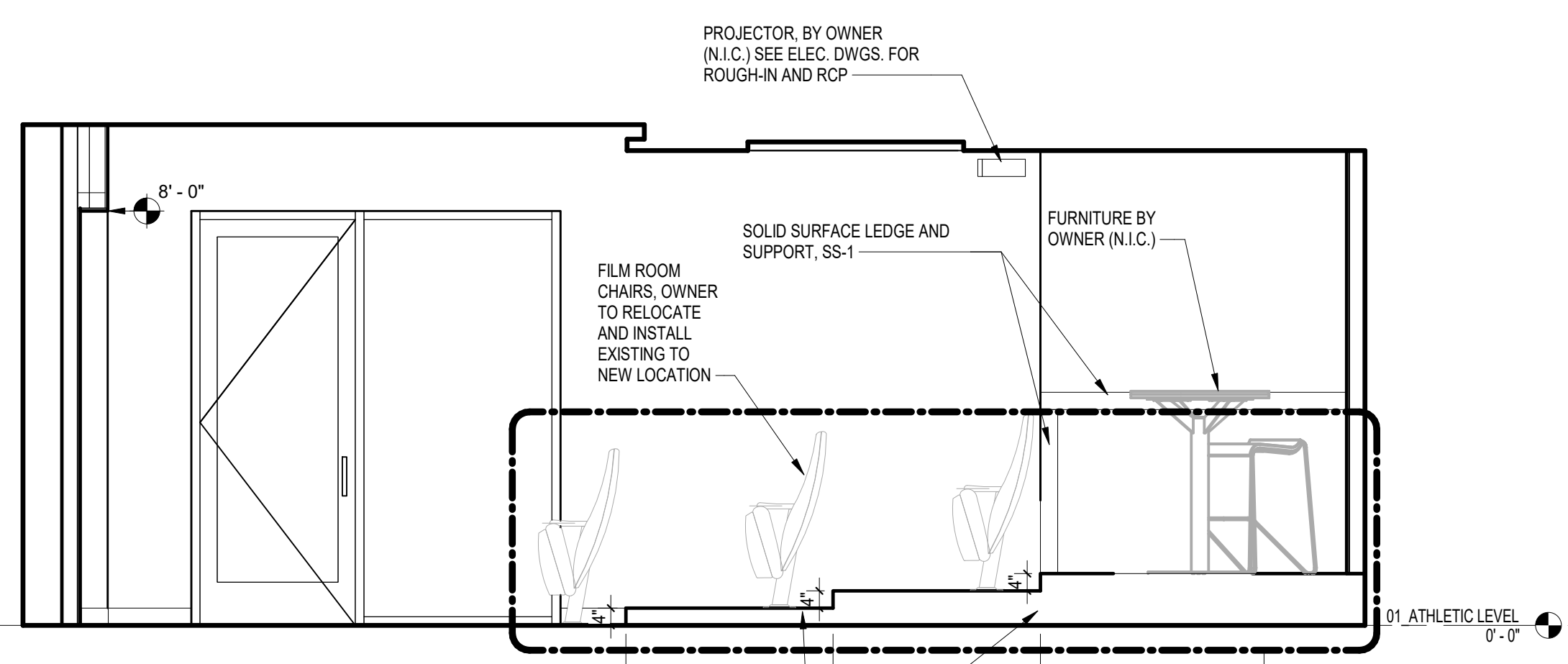
4 INTERIOR ELEVATION @ LOCKERS - EAST
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



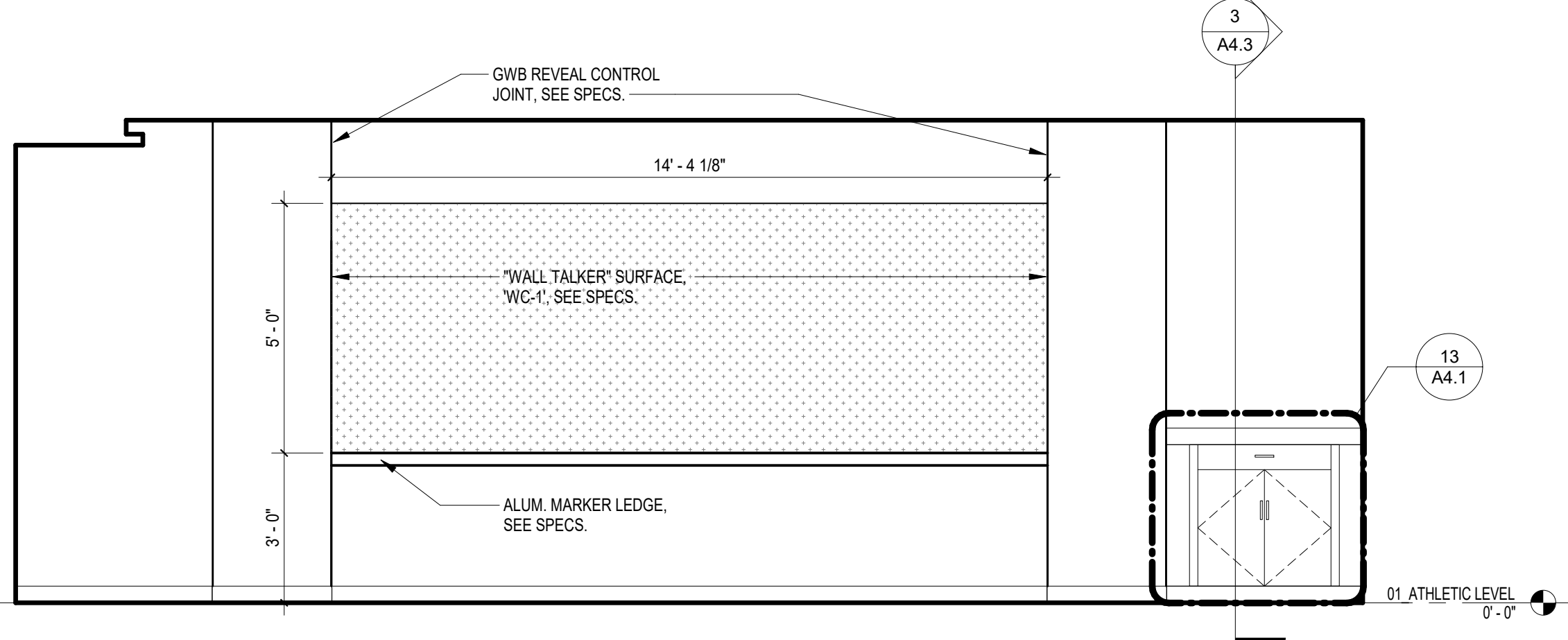
5 INTERIOR ELEVATION @ LOCKERS - NORTH
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



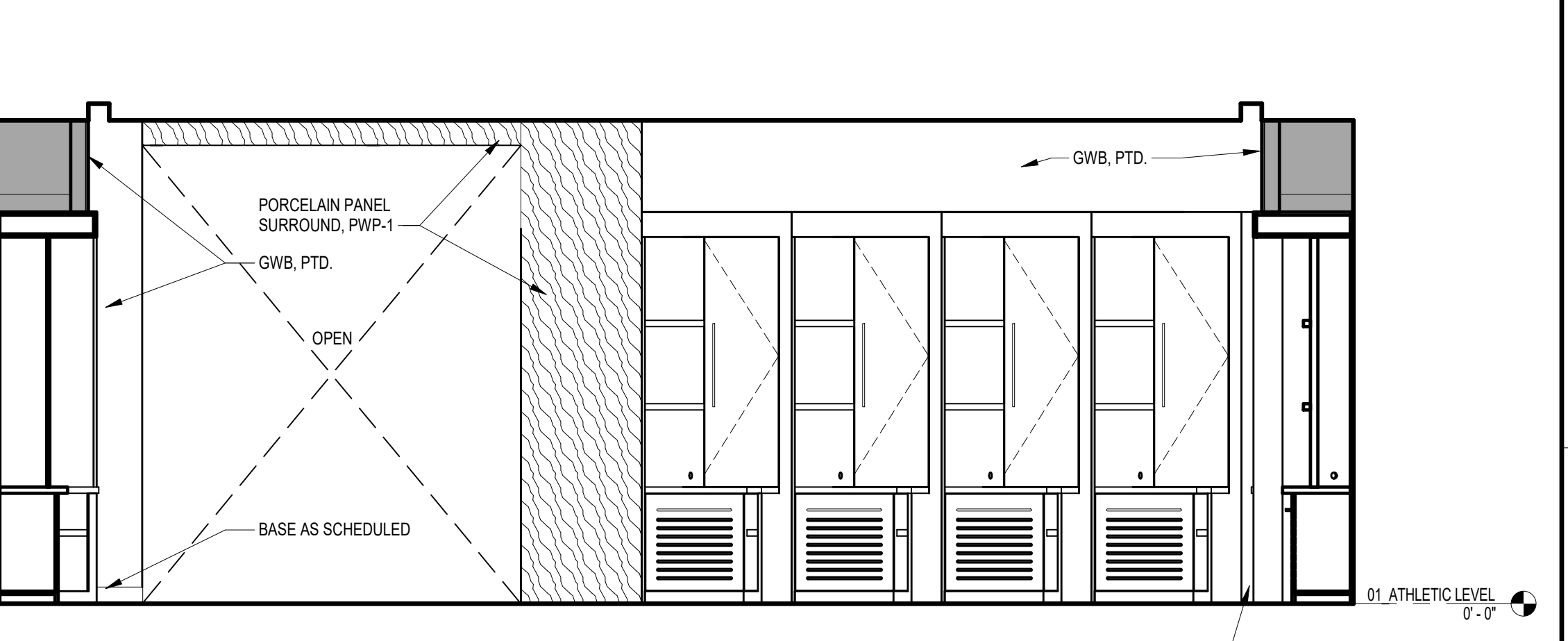
6 INTERIOR ELEVATION @ LOCKERS - SOUTH
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



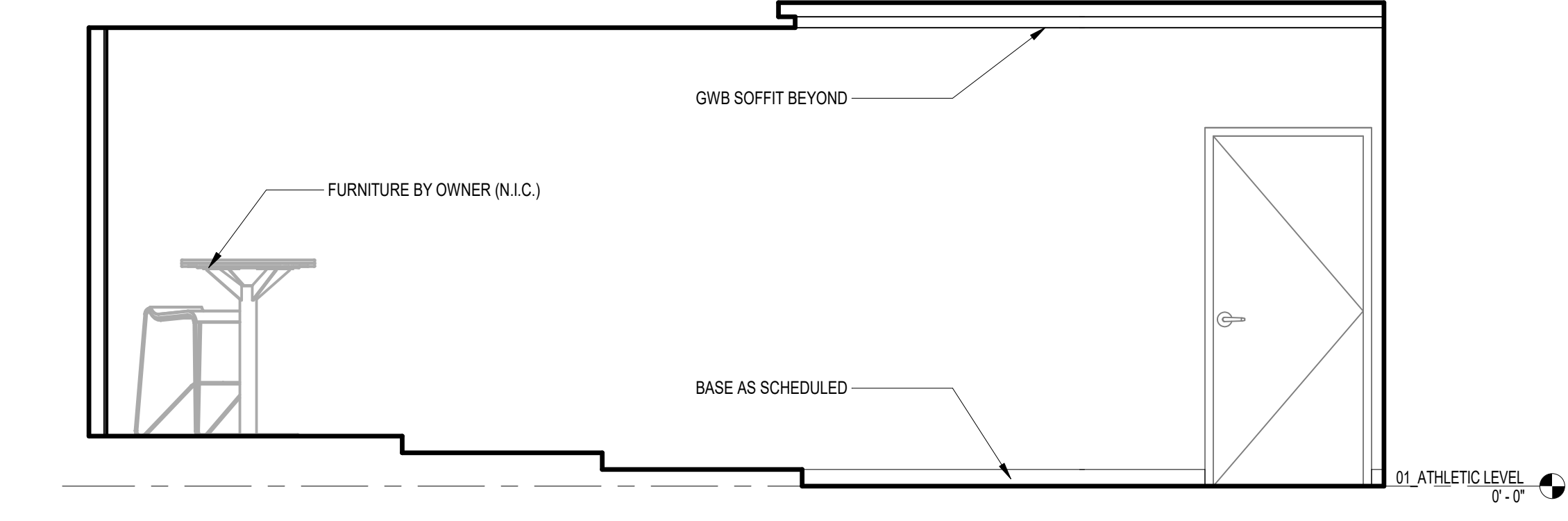
7 INTERIOR ELEVATION @ FILM - EAST
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



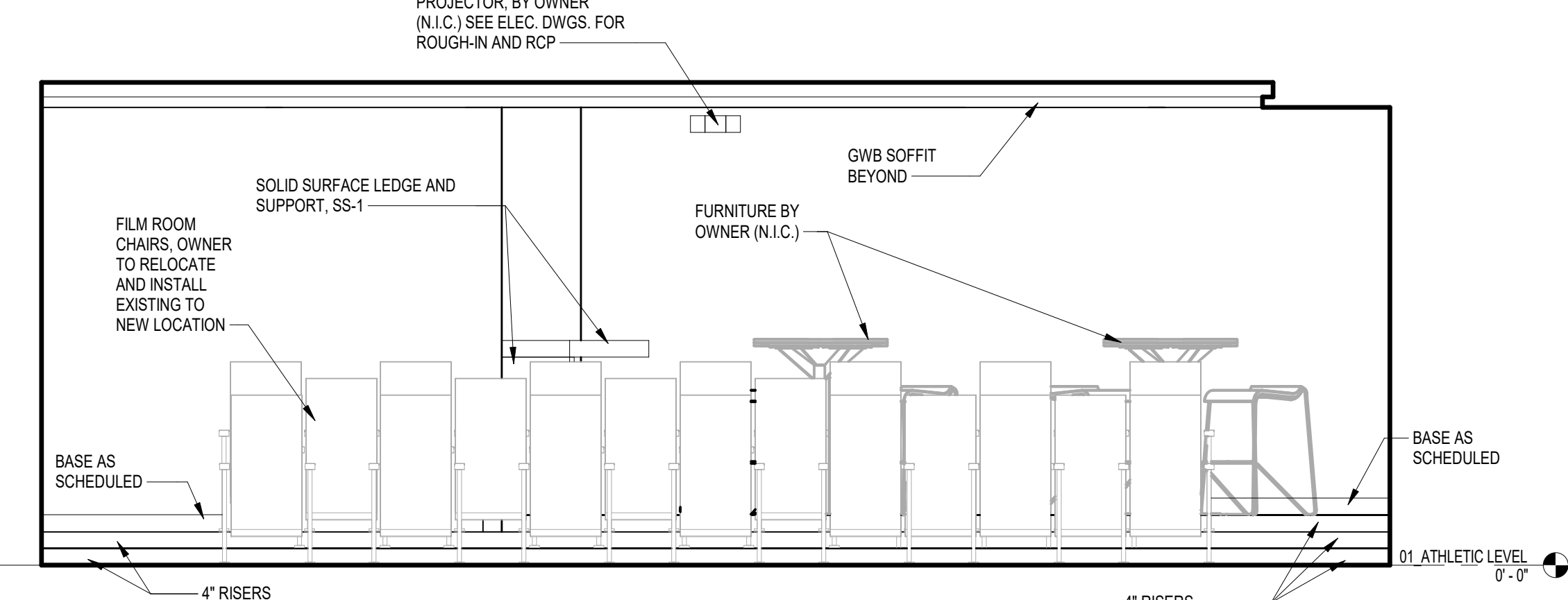
8 INTERIOR ELEVATION @ FILM - NORTH
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



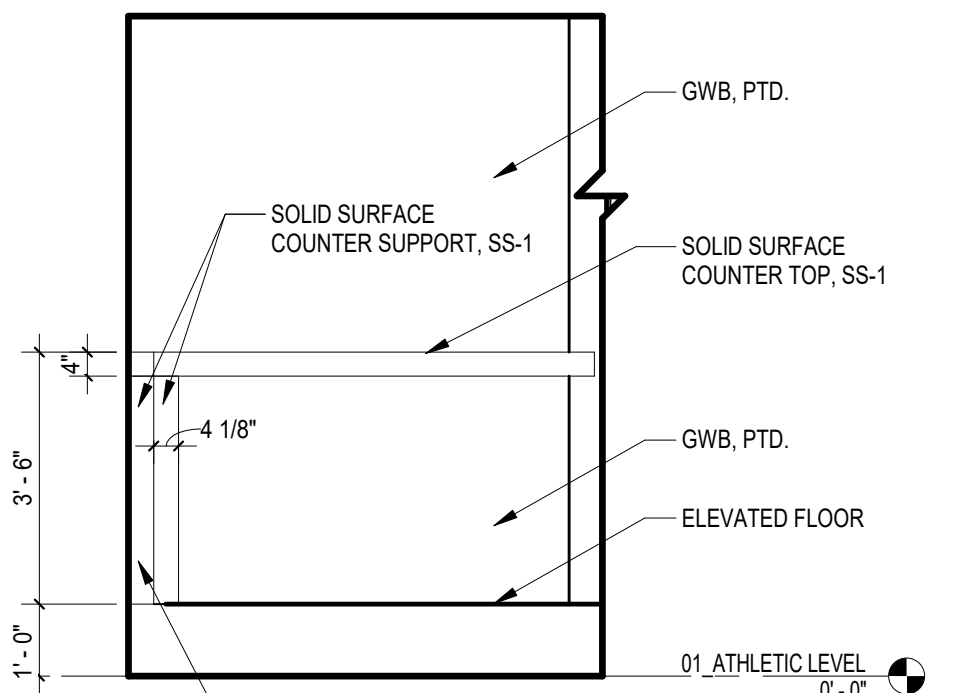
9 INTERIOR ELEVATION @ LOCKERS - WEST
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



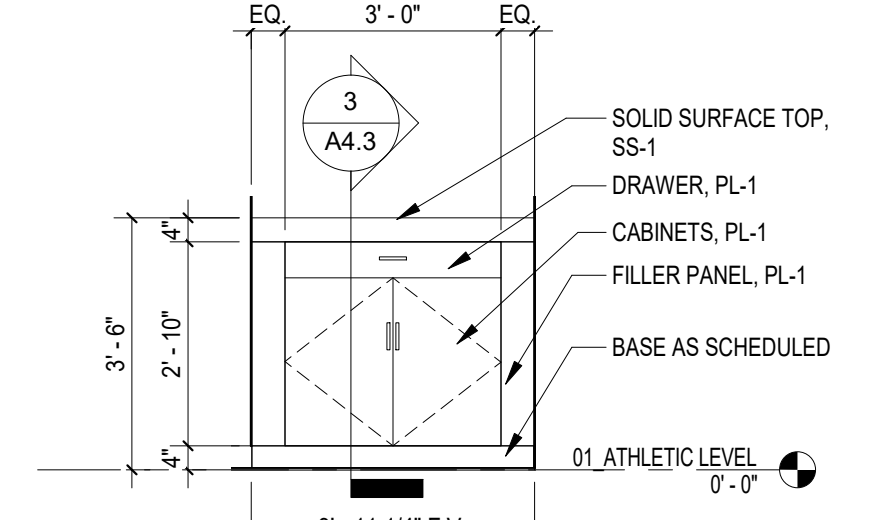
10 INTERIOR ELEVATION @ FILM - WEST
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



11 INTERIOR ELEVATION @ FILM - SOUTH
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON

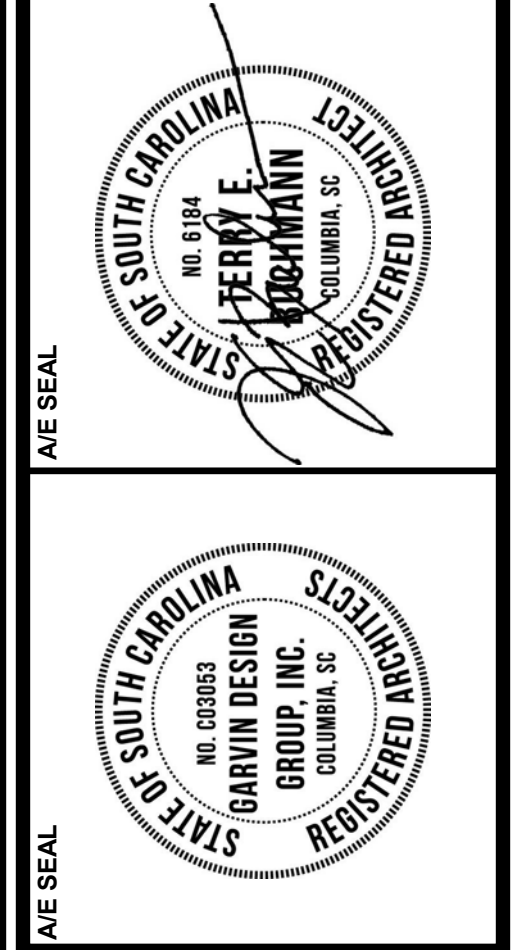


12 ENLARGED ELEVATION @ FILM LEDGE
 A4.1 3/8" = 1'-0" REFERENCED: A1.1 ON



13 ENLARGED ELEVATION @ FILM CASEWORK
 A4.1 3/8" = 1'-0" REFERENCED: A4.1 ON

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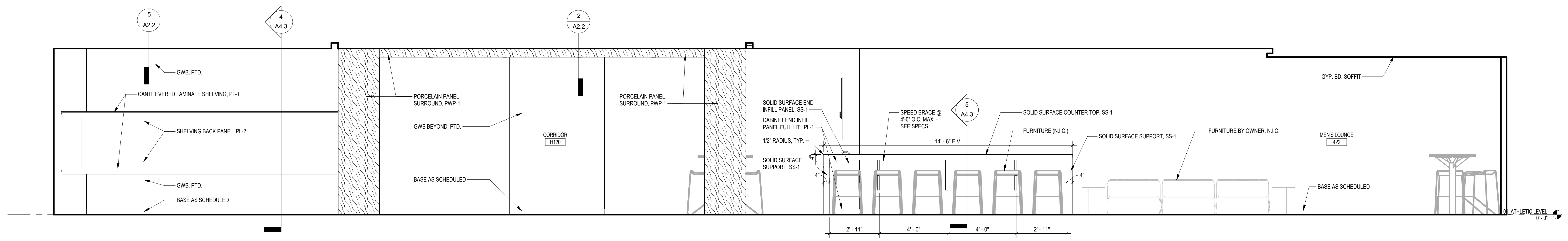
PROJECT TITLE
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 650 Park Street
 Columbia, SC 29201

NO.	DATE	NAME

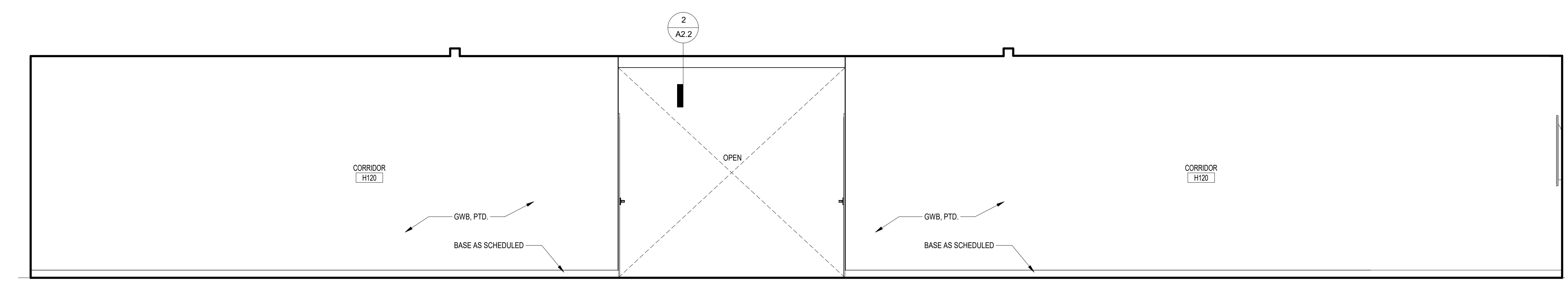
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DRAWING TITLE
INTERIOR ELEVATIONS

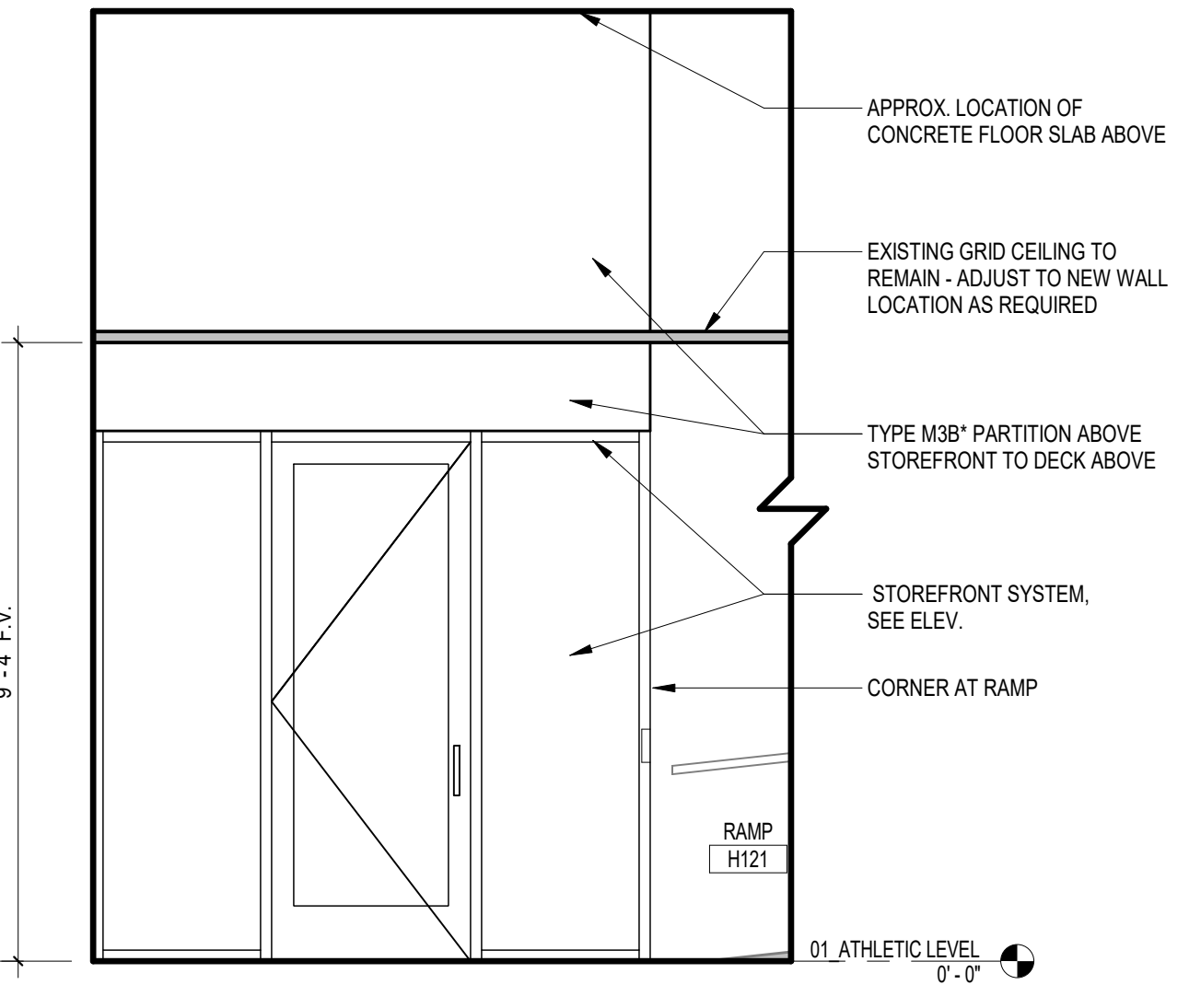
PROJECT NO. / **DRAWING NO.**
 147117 / **A4.2**



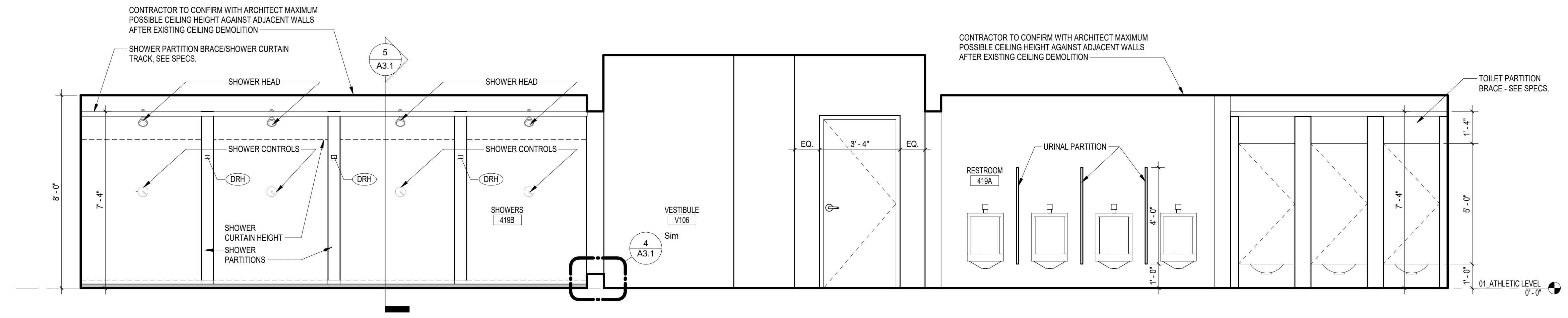
1 INTERIOR ELEVATION AT CORRIDOR - EAST
 A4.2 3/8" = 1'-0" REFERENCED: A1.1



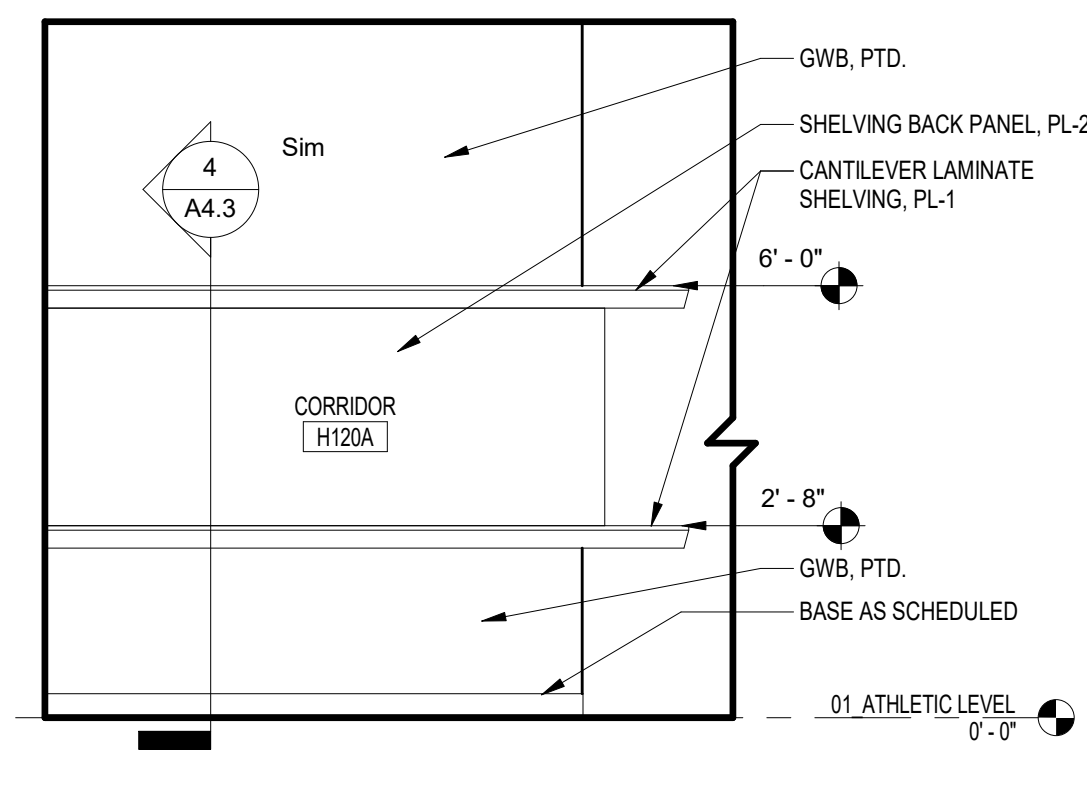
2 INTERIOR ELEVATION AT CORRIDOR - WEST
 A4.2 3/8" = 1'-0" REFERENCED: A1.1



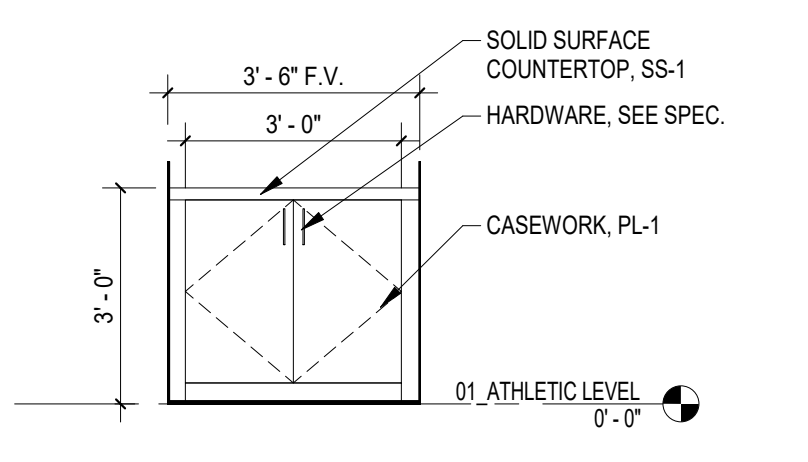
3 INTERIOR ELEVATION AT NORTH ENTRY
 A4.2 3/8" = 1'-0" REFERENCED: A1.1



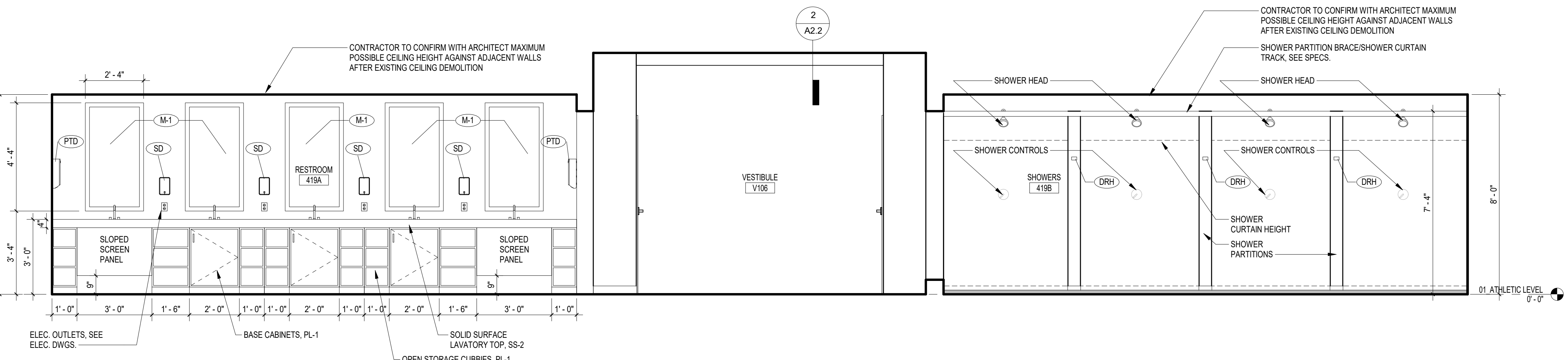
4 ENLARGED ELEVATION AT BATHROOM - WEST
 A4.2 3/8" = 1'-0" REFERENCED: A3.1



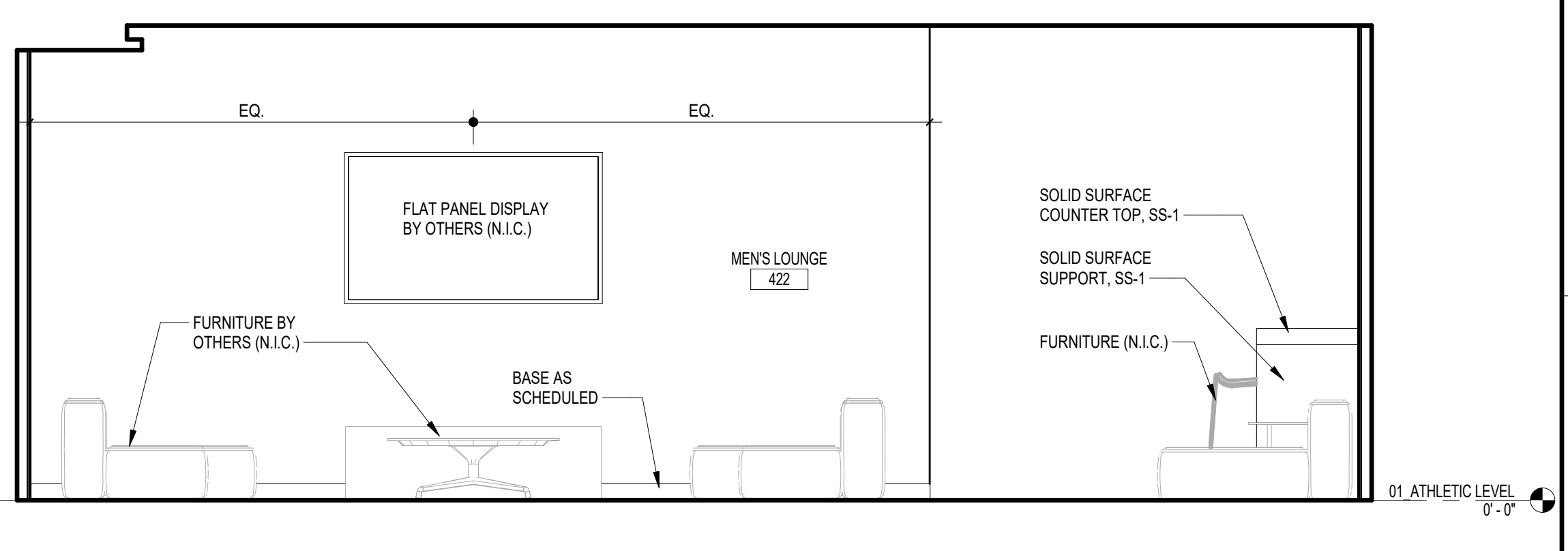
5 ENLARGED ELEVATION AT DISPLAY
 A4.2 3/8" = 1'-0" REFERENCED: A1.1



6 ENLARGED ELEVATION AT PRINT HUB
 A4.2 3/8" = 1'-0" REFERENCED: A1.1



7 ENLARGED ELEVATION AT BATHROOM - EAST
 A4.2 3/8" = 1'-0" REFERENCED: A3.1

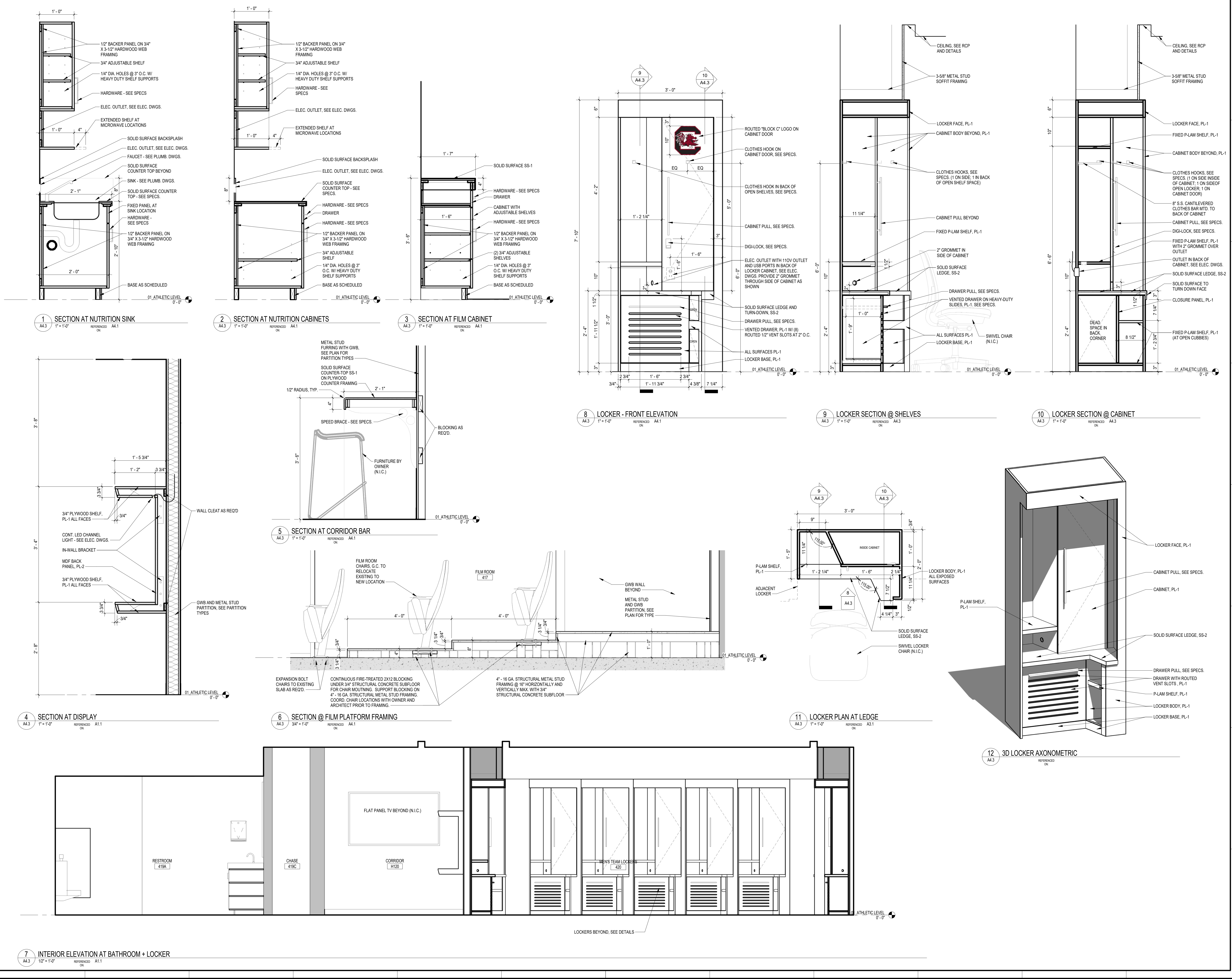


8 ENLARGED ELEVATION AT LOUNGE - NORTH
 A4.2 3/8" = 1'-0" REFERENCED: A1.1

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SCHEDULED INTERIOR FINISHES

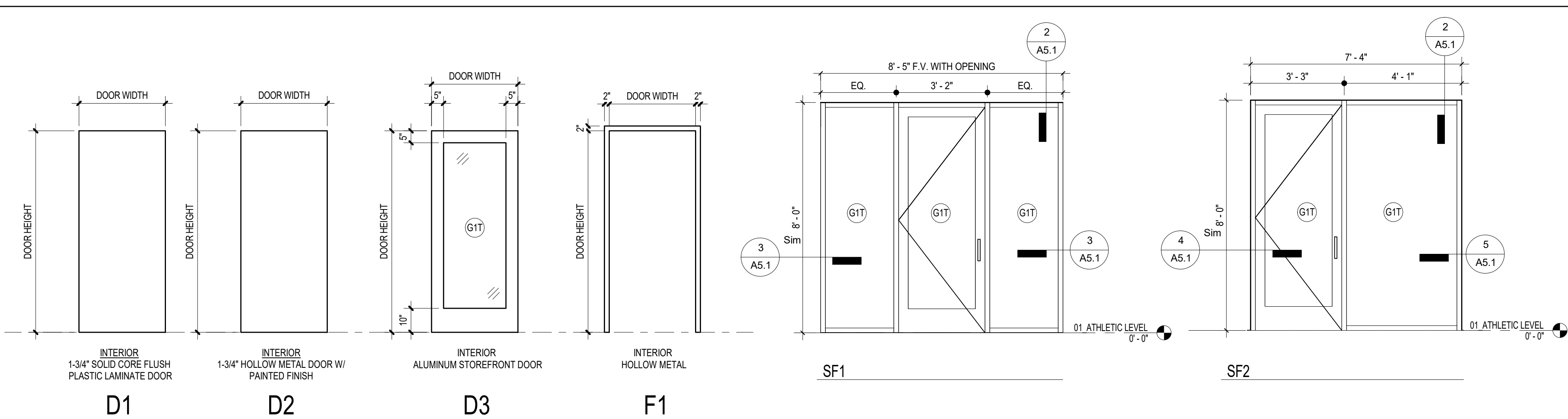
ABBREVIATION	DESCRIPTION	BASIS OF DESIGN
BASE		
RB-1	4" RUBBER COVE	JOHNSONITE RECESS WALL BASE, COLOR: #83 BURNT UMBER
CTB-1	CERAMIC TILE BASE	CERAMIC TILE BASE UNITS TO MATCH CT-1, 4 X 12 BULLNOSE
MTS	METAL TRANSITION STRIPS	SEE TILE SPEC AND DETAILS FOR SPECIFIC PIECES/LOCATIONS
FLOOR		
CPT-1	CARPET - TILE, ACCENT PATTERN (BLACK)	MILLIKEN, COLOR FIELD, COL. 10, HULL, BLACK
CPT-2	CARPET - TILE, ACCENT COLOR (RED)	MILLIKEN, COLOR FIELD, COL. 60, VINGSO
CPT-3	CARPET - BROADLOOM-STAIRS	PATYCRAT, CLOISSONNE II, COLOR: 32527 ALTROUS
CPT-4	CARPET - BROADLOOM-AREA RUG	BENTLEY, SALT CREEK, COLOR: SCORPION QUEEN 402408 - 12' BROADLOOM, W BINDING IN BLACK
CT-1	CERAMIC TILE	CROSSVILLE, MAIN STREET, #AV215 BOUTIQUE BLACK, 6X18 UNITS
CT-2	CERAMIC TILE	CROSSVILLE, MAIN STREET, #AV215 BOUTIQUE BLACK 2X2 UNITS
GR-1	GROUT - BLACK	LATICRETE, #22 MIDNIGHT BLACK
GR-2	GROUT - GREY	LATICRETE, #42 PLATINUM
SC-EXIST	SEALED CONCRETE	CLEAN, CLEAR FINISH
WF	ENGINEERED WOOD FLOORING	ARMSTRONG, PERFORMANCE PLUS, MAPLE #ESP240 NATURAL
VCT	RESILIENT TILE	ARMSTRONG STRIATIONS BBT, #T3604 MIDNIGHT
WALLS		
P-1	PAINT-GENERAL WALL COLOR	LOW-SHEEN, EGGSHELL TO MATCH SW7632 MODERN GRAY
P-2	PAINT-CEILING, WHITE TONE; FLAT	FLAT-TO MATCH SW # 7005 PURE WHITE
P-3	PAINT-TRIM/RAILS, 'DARK TONE'; SEMI-GLOSS	SEMI-GLOSS-TO MATCH SW#7048 URBANE BRONZE
P-4	PAINT-PRIMARY ACCENT-'GARNET'	EGGSHELL-TO MATCH USC CUSTOM GARNET -MATCH ARCHITECT'S SAMPLE SW# CCE 02 32 64 128
P-5	PAINT-SECONDARY ACCENT-TAUPE	FLAT-TO MATCH SW#7642 PAVESTONE
P-6	PAINT-MED. GREY TO MATCH PWP-2	SEMI-GLOSS-TO MATCH SW#7067 CITY SCAPE
P-7	PAINT-CEILING, COVES, ETC. 'BLACK'	SEMI-GLOSS, COLOR TO MATCH SW#7069 IRON ORE
P-8	WRITE BOARD PAINT	CLEAR COAT SYSTEM, INSTALLED OVER PAINT, SEE SPEC.
PWP-1	PORCELAIN WALL PANEL-'DARK TONE'	CROSSVILLE, LAMINAM, SETA 3+ COLOR: LIQUORICE - F7485
PWP-2	PORCELAIN WALL PANEL-'LIGHT TONE'	CROSSVILLE, LAMINAM, SETA 3+ COLOR: GRIS - F7464
WC-1	WHITE BOARD WALL COVERING	KOROSEAL WALLTALKER, JUST-WRITE, SEE SPECS.
CEILING		
APC-1	ACOUSTICAL PANEL CEILING-STD. WHITE	ARMSTRONG, GEORGIAN OR EQ., WHITE (2X2 TEGULAR), W WHITE GRID, SEE SPECS
APC-2	ACOUSTICAL PANEL CEILING-MOISTURE	ARMSTRONG, CERAMAGUARD OR EQ., WHITE (2X2 MOISTURE GUARD AT TOILET ROOMS)
APC-3	ACOUSTICAL PANEL CEILING-BLACK	ARMSTRONG, FINE FISSURED (2X2 SQUARE), W BLACK GRID, SEE SPECS
GBP-1	GYPSUM WALL BOARD - PAINTED	SEE COLOR DESIGNATIONS ABOVE
MPC	METAL PLANK CEILING	HUNTER DOUGLAS, LUXALON, VARIED PLANK METAL BOX, MFR. STD. COLOR: GRAY BARNWOOD CEDAR
MISC.		
M-1	CUSTOM FRAMED FLAT MIRROR/FRAME	MAJESTIC MIRROR #65908 BLACK/SILVER FRAME IN DIMENSIONS INDICATED, SEE ELEVATIONS, CONTACT: TERI SCHELL, 803-408-8520
CASEWORK		
PL-1	PLASTIC LAMINATE-WOOD TONE	WILSONART, SKYLINE WALNUT, #7964K-12 SOFTGRAIN FINISH
PL-2	PLASTIC LAMINATE-LIGHT TONE	WILSONART, MAGNOLIA, #5012-119 LENO WEAVE FINISH
SS-1	CASEWORK COUNTERTOPS	CORIAN, DEEP STORM
SS-2	LAV COUNTER & SINKS	CORIAN, GLACIER ICE
T PARTITIONS		
	SOLID PLASTIC SHOWER AND TOILET PARTITIONS	SCRANTON PRODUCTS, SOLID PLASTIC, STAINLESS GRIP EX OR APPROVED EQ.

FINISH LEGEND

	CPT-1		CT-1
	CPT-2		CT-2
	CPT-3		WF
	CPT-4		VCT
	EX-SC		

ROOM FINISH SCHEDULE (FINISH ORIENTATION IS PLAN NORTH)

Number	Name	Base Finish	Floor Finish	NORTH	EAST	SOUTH	WEST	Ceiling Finish	Comments
417	FILM ROOM	RB-1	CPT-2,3	P-1	P-1, P-4	P-1	P-1, P-4	APC-3, MPC, P-5*	
417A	AV	RB-1	VCT	P-1	P-1	P-1	P-1	EXP	
418	TEAM STUDY	RB-1	CPT-1	P-1, P-4	P-4	P-1	P-1	APC-1	
418A	CHAPLAIN	RB-1	CPT-1	P-1	P-1	P-1	P-1	APC-1	
419A	RESTROOM	CTB-1	CT-1	PWP-2	PWP-2	PWP-2	PWP-2	APC-1	
419B	SHOWERS	--	CT-1, CT-2	PWP-2	PWP-2	PWP-2	PWP-2	APC-2	
420	MEN'S TEAM LOCKERS	RB-1	CPT-1,2	P-1	P-1	P-1, P-8, PWP-1	P-1, PWP-1	MPC, P-2	
421	NUTRITION	RB-1	WF	PWP-1, P-1	P-4	PWP-1, P-1	PWP-1	APC-1, GBP/P-2	
421A	STORAGE	RB-1	VCT	P-1	P-1	P-1	P-1	APC-1	
422	MEN'S LOUNGE	RB-1	WF, CPT-4	P-1	P-1	P-1, P-4	P-1, P-4	APC-1, MPC, P-2	
H120	CORRIDOR	RB-1	WF, CPT-2,3	PWP-1	PWP-1	PWP-1	P-1	APC-1, MPC, P-2, PWP-1	
H120A	CORRIDOR	RB-1	WF, CPT-2	P-1	P-1	P-1	P-1	APC-1	
ST05	STAIR	RB-1	CPT-3	P-1	P-1	P-1	P-1	P-2	
V105	VESTIBULE	RB-1	WF	P-1	P-4	P-1	P-1	APC-1	
V106	VESTIBULE	CTB-1	CT-1	PWP-2, P-1	P-1	PWP-2, P-1	PWP-2	APC-1	

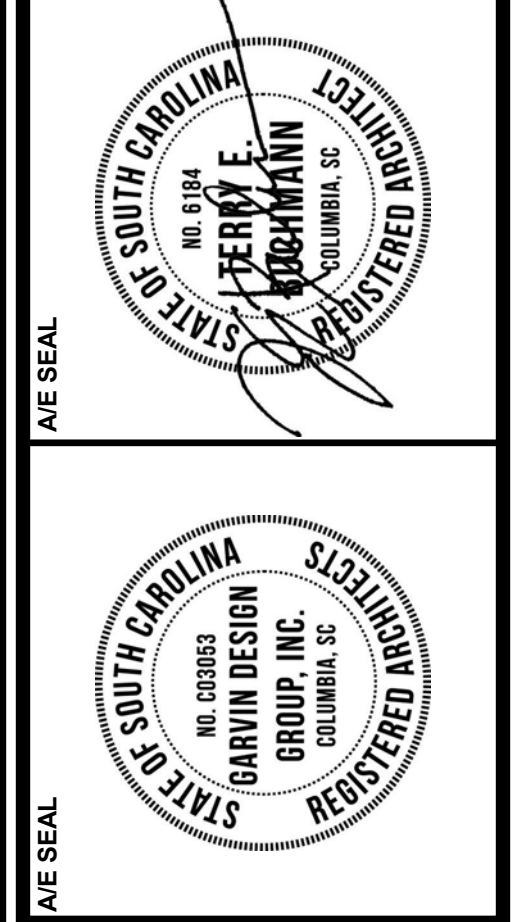
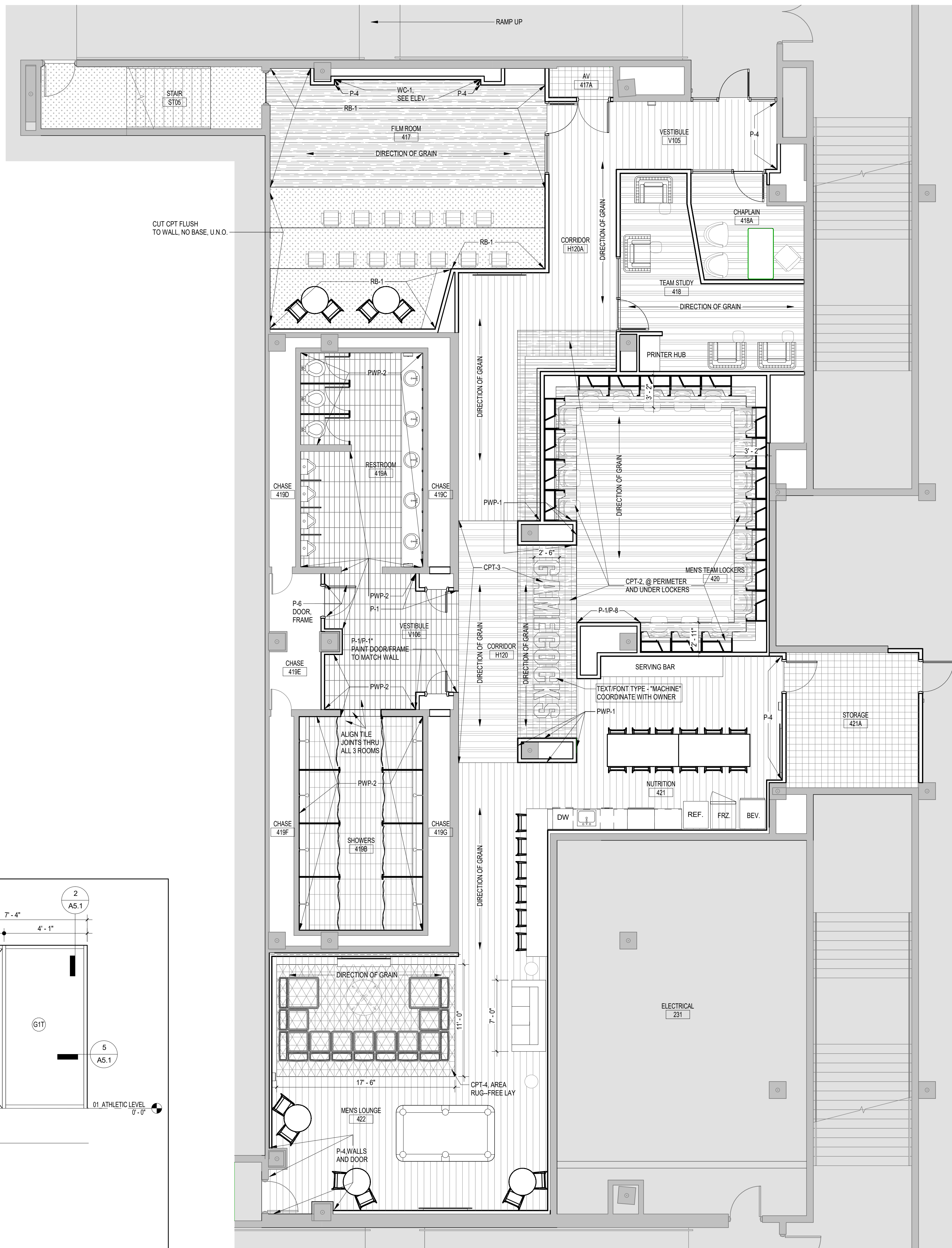
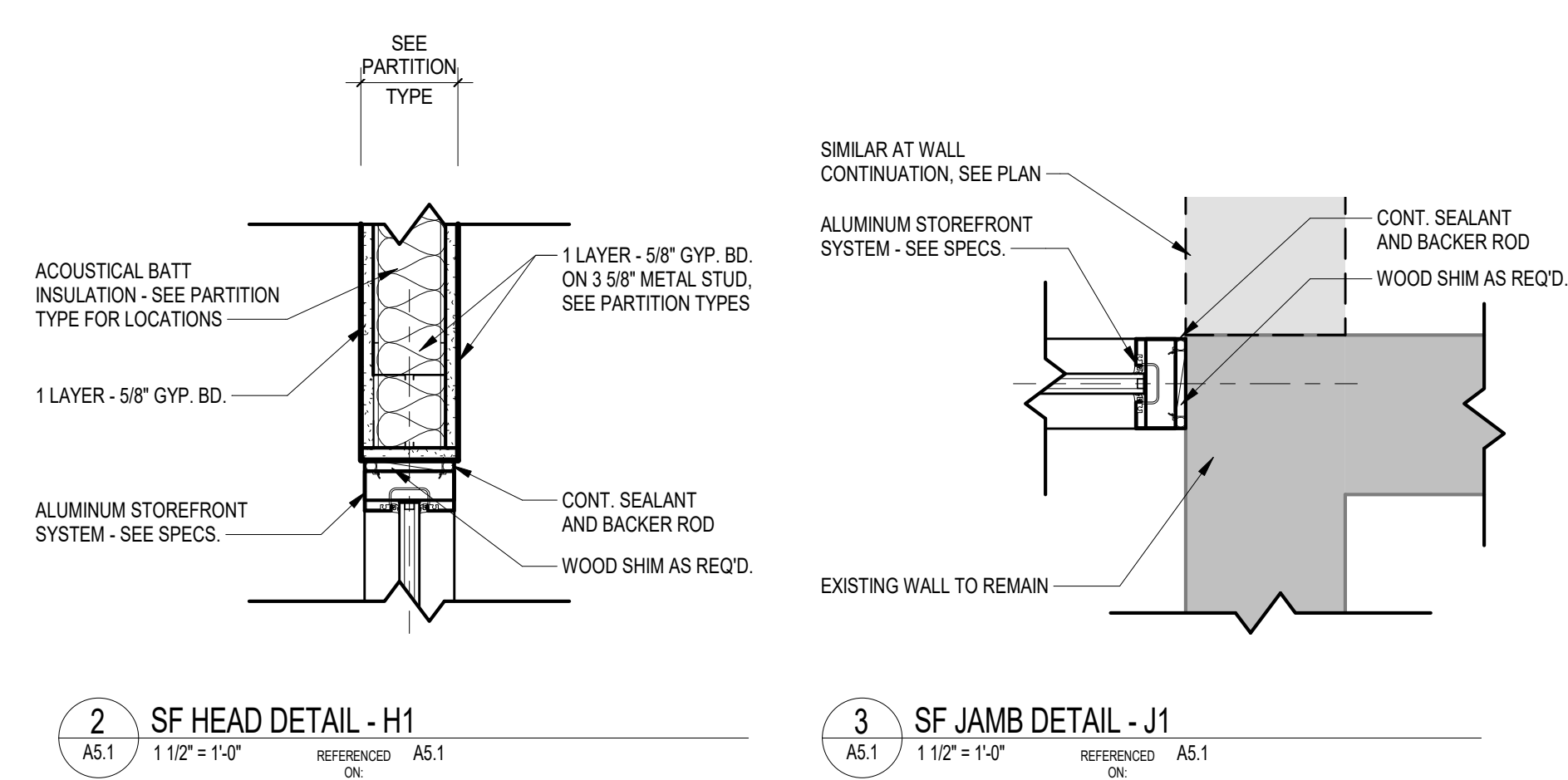


DOOR & FRAME TYPES

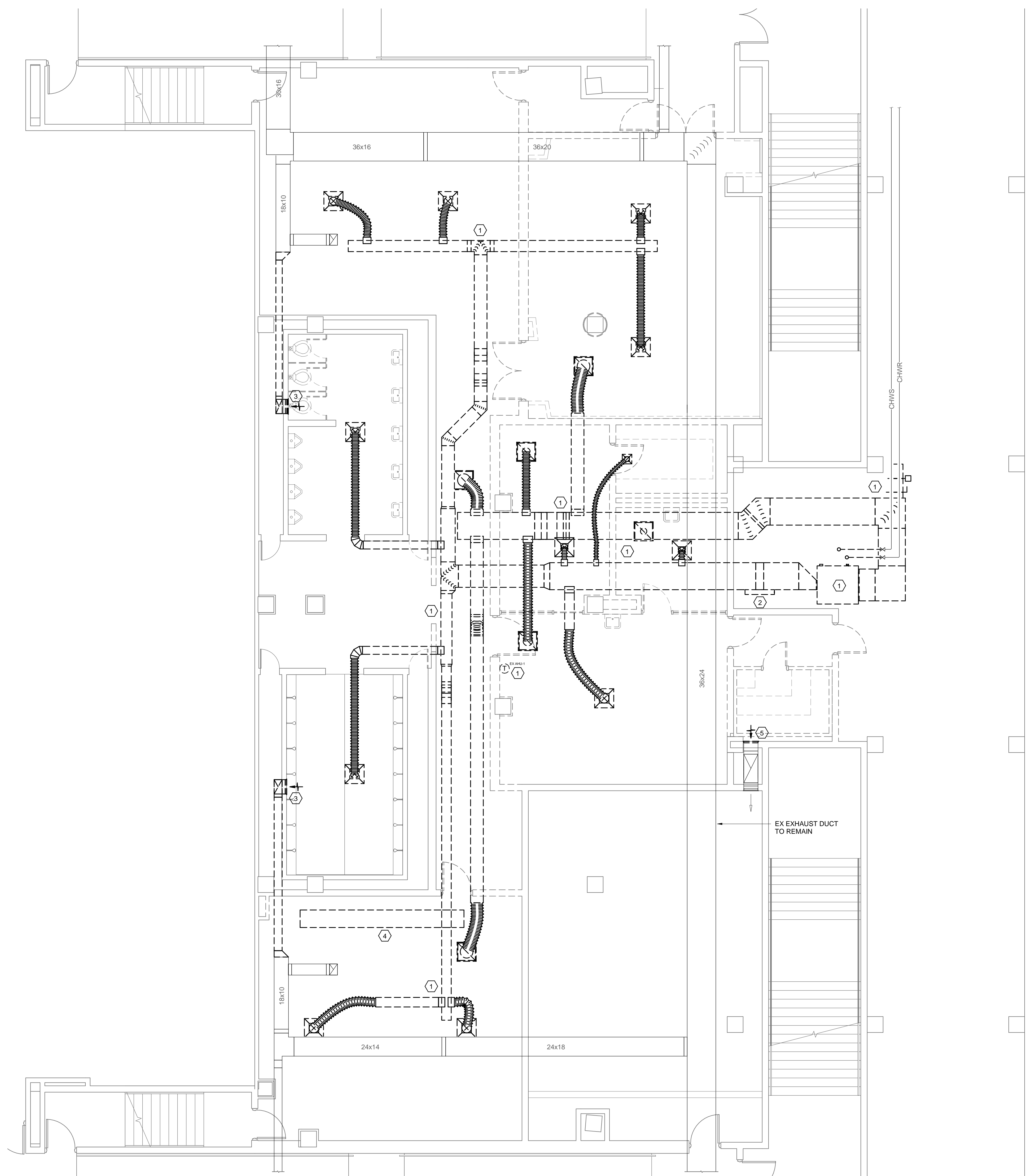
Mark	DOOR							RATING	REMARKS
	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	HEAD	JAMB	SILL		
01 ATHLETIC LEVEL									
417A	3'-0"	7'-10"	D3	SF2	H1	J2 / J3	--		
417AA	3'-0"	7'-10"	D1	F1					
417B	3'-0"	7'-0"	EX						
418A	3'-0"	7'-10"	D3	SF2	H1	J2 / J3	--		
418AA	3'-0"	7'-10"	D3	SF2	H1	J2 / J3	--		
419CA	2'-0"	7'-0"	D2	F1					
419EA	3'-0"	7'-0"	D2	F1					
419GA	2'-0"	7'-0"	D2	F1					
421AA	3'-0"	7'-10"	D1	F1					
421AB	3'-0"	7'-10"	D2	F1					
422A	3'-0"	7'-0"	EX						
ST05A	3'-0"	7'-0"	EX						
V105A	3'-0"	7'-10"	D3	SF1	H1	J1	--		
01 ATHLETIC LEVEL-13									

GLAZING SCHEDULE

GLASS DESCRIPTION	TYPE
GIT	1/4" INCH CLEAR TEMPERED GLAZING



NO.	REVISIONS	NAME	DATE

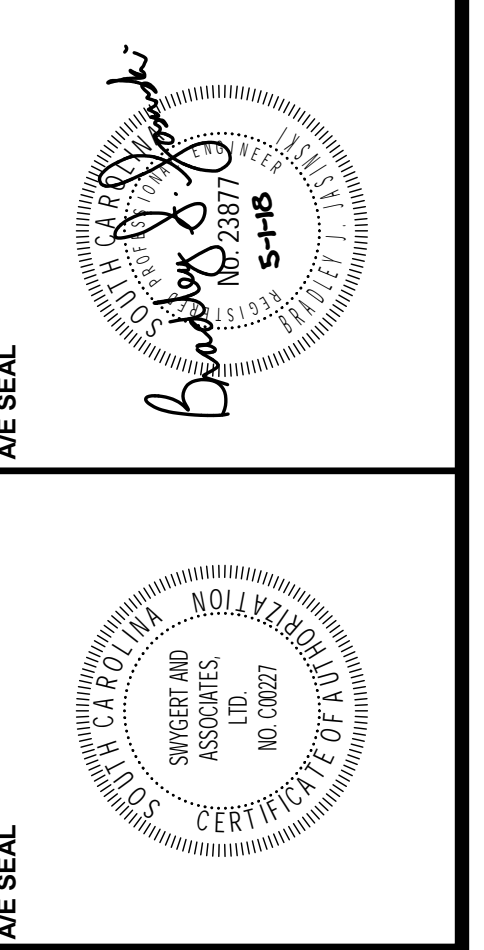
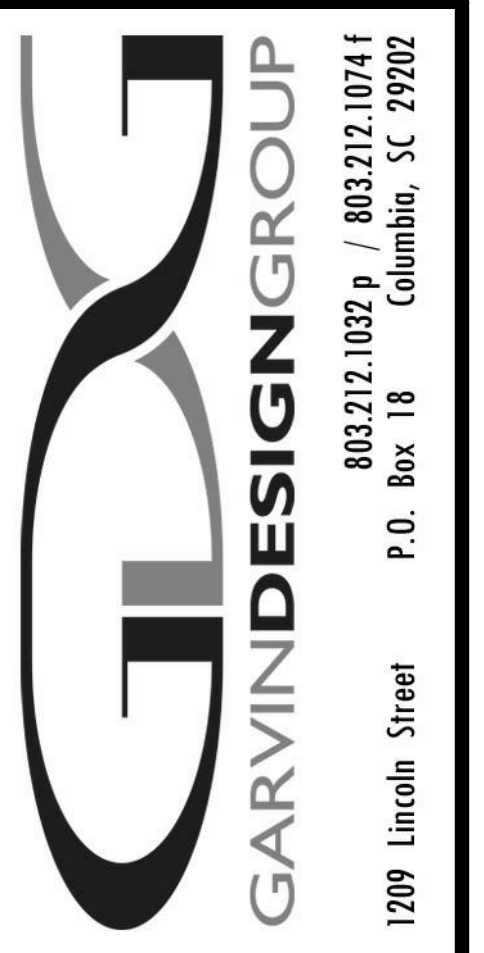


- DEMOLITION NOTES**
- ① REMOVE SUSPENDED CHILLED WATER AIR HANDLING UNIT COMPLETE INCLUDING ALL ASSOCIATED DUCTWORK, DIFFUSERS, GRILLES, CONTROLS, ETC.
 - ② REMOVE ELECTRIC DUCT HEATER COMPLETE.
 - ③ REMOVE SIDEWALL EXHAUST GRILLE AND ASSOCIATED DUCT AS INDICATED. TEST GRILLE PRIOR TO START OF DEMOLITION AND REPORT AIRFLOW TO ENGINEER.
 - ④ REMOVE ABANDONED DUCT.
 - ⑤ REMOVE SIDEWALL GRILLE AND CLEAN ELECTRICAL ROOM TRANSFER DUCT.

① HVAC DEMOLITION PLAN
MD1.1 3/16" = 1'-0"

Swygart & Associates
CONSULTING ENGINEERS

DBA: Swygart & Assoc., Ltd. Telephone: (803) 791-9100
Post Office Box 11466 Facsimile: (803) 791-6830
Columbia, S.C. 29211 mail@swygart-associates.com



PROJECT TITLE
**MEN'S BASKETBALL PRACTICE
FACILITY LOCKER ROOM**

Carolina Coliseum
650 Park Street
Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

DRAWN BY: BUJ
CHECKED BY: WCL
DATE: 08-07-18

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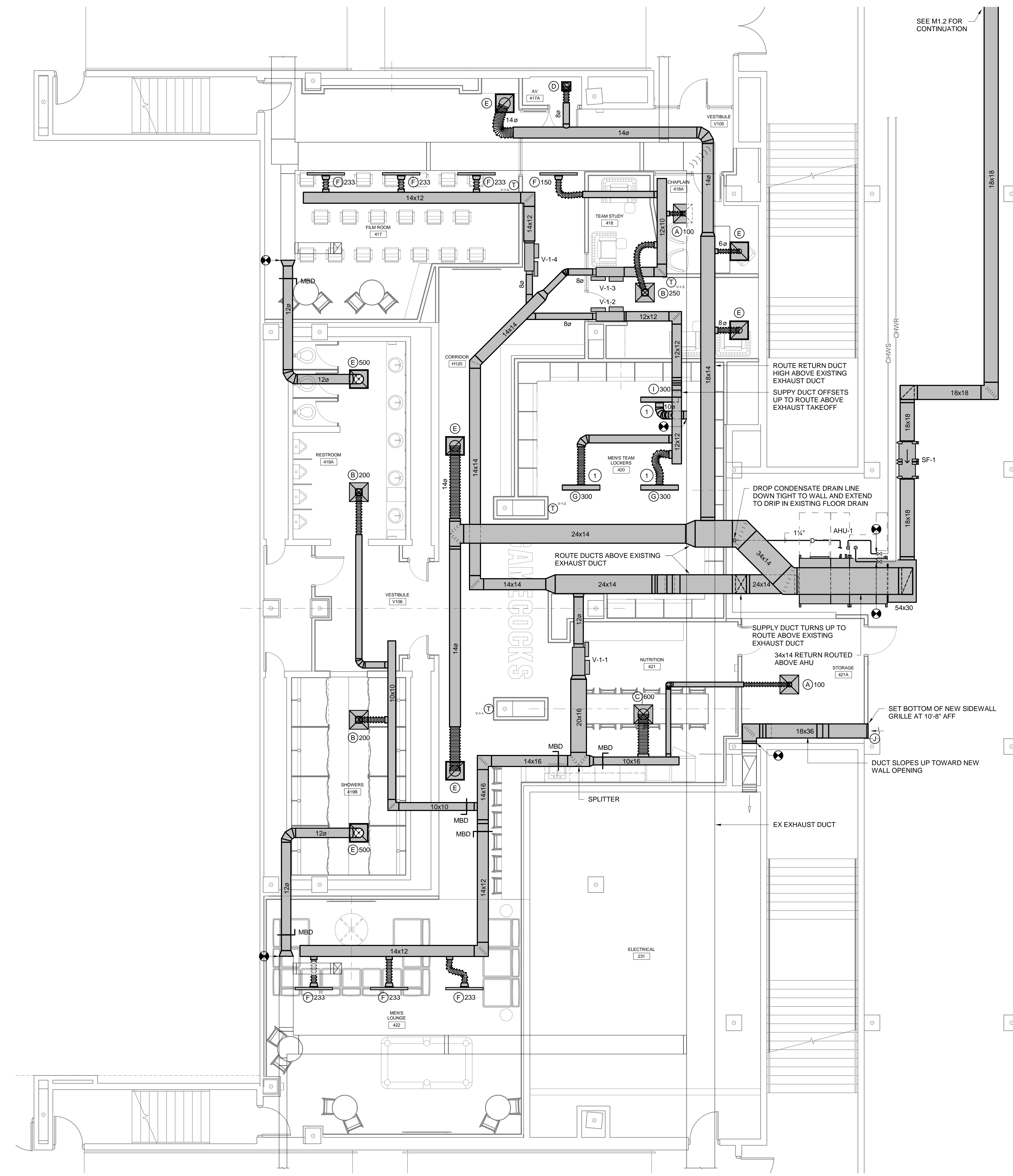
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HVAC DEMOLITION PLAN

PROJECT NO. 147117
DATE 08-07-18

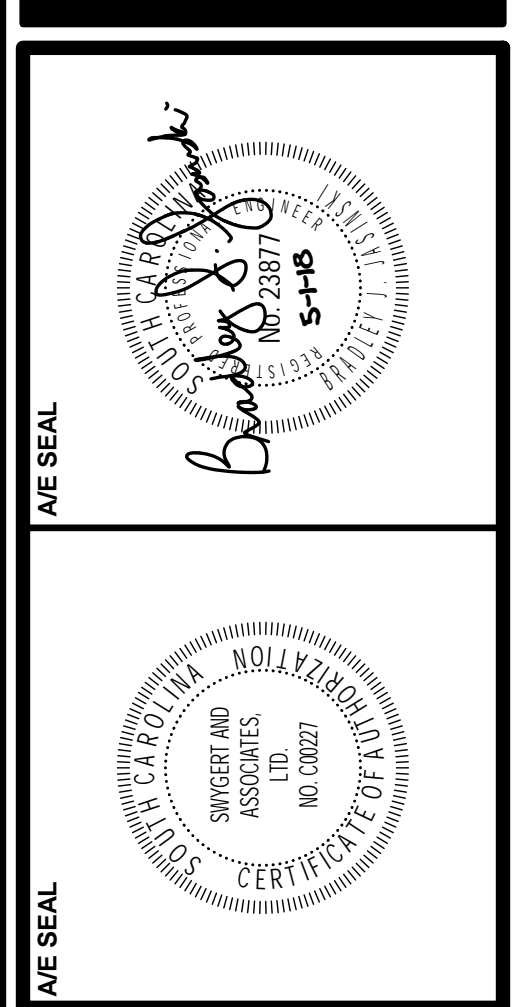
DRAWING NO.
MD1.1

RENOVATION NOTES

① SLOT DIFFUSERS AND GRILLES IN TEAM LOCKERS 420 SHALL BE INSTALLED ALIGNED WITH 6" NOMINAL METAL PLANKS. COORDINATE FINAL LOCATION WITH ARCHITECT AND CEILING PLANK LAYOUT. DIFFUSERS AND GRILLES MUST BE INDEPENDENTLY SUPPORTED FROM STRUCTURE WITH GALVANIZED METAL STRAPPING OR OTHER APPROVED MEANS.



① HVAC RENOVATION PLAN
M1.1 3/16" = 1'-0"



PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
Carolina Coliseum
650 Park Street
Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

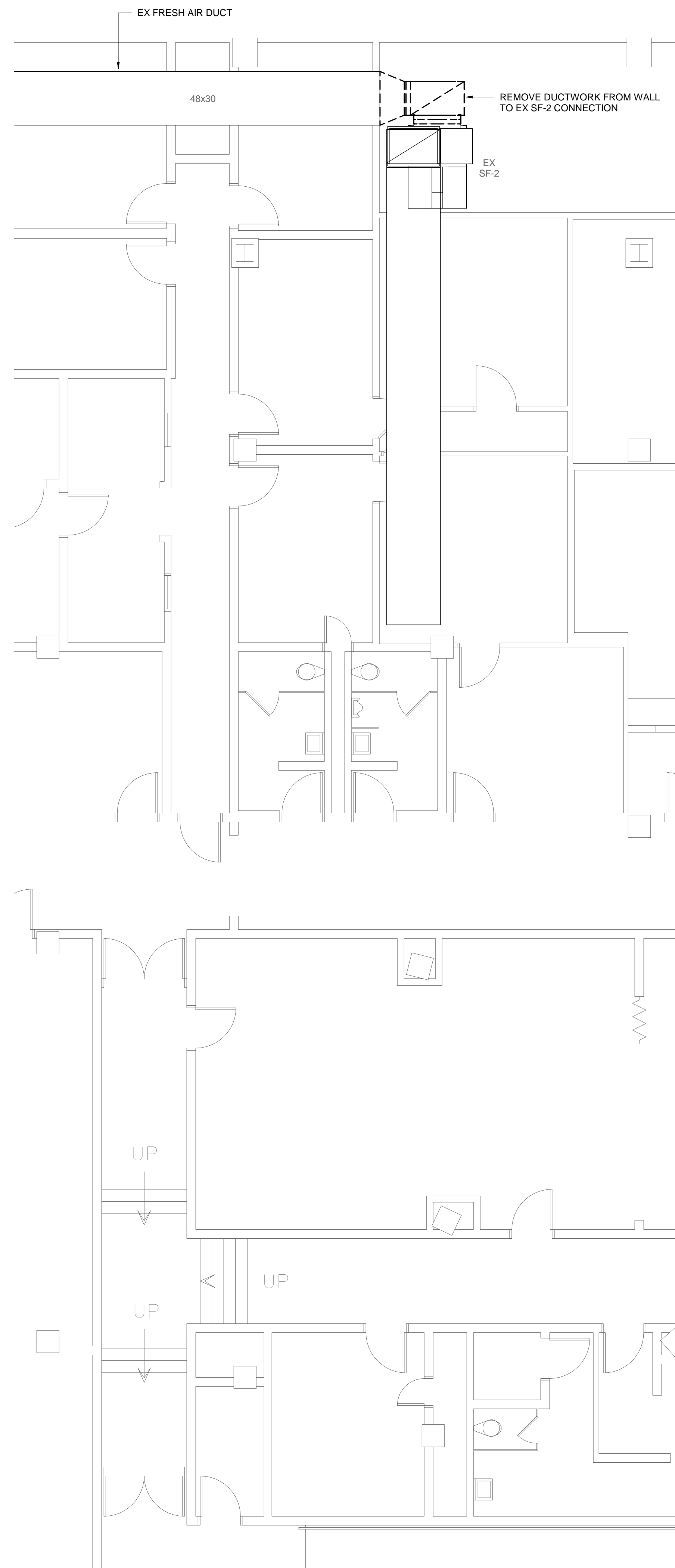
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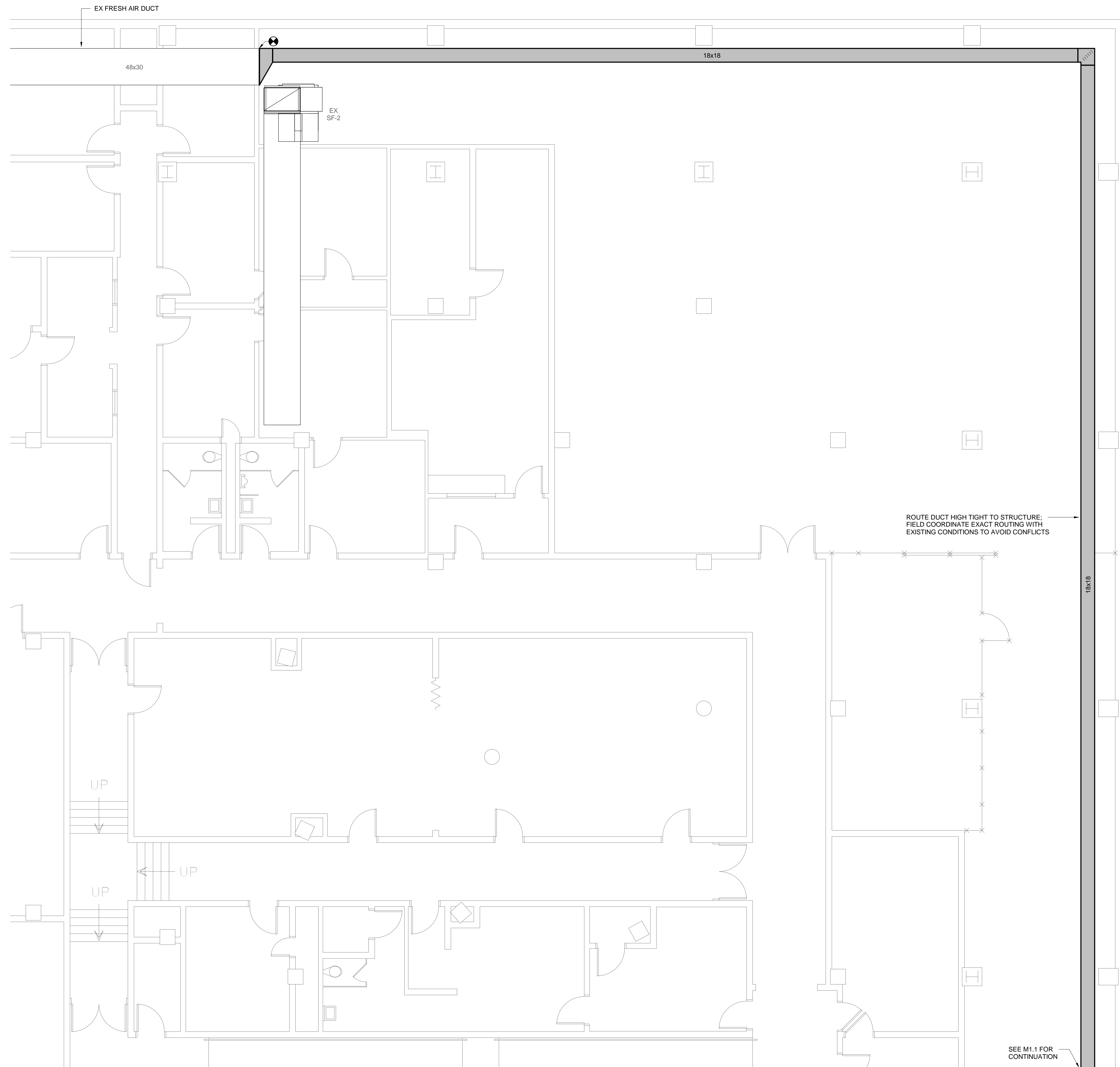
DRAWING TITLE
HVAC RENOVATION PLAN

Swygart & Associates
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PROJECT NO.	DATE	DRAWING NO.
UM117	06-07-18	M1.1



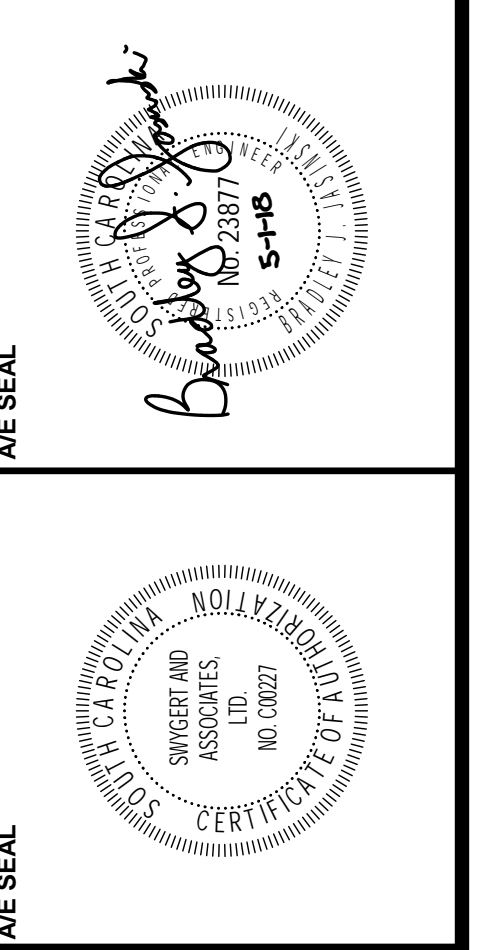
1 HVAC DEMOLITION PLAN - NE QUADRANT
M1.2 3/16" = 1'-0"



2 HVAC RENOVATION PLAN - NE QUADRANT
M1.2 3/16" = 1'-0"

SEE M1.1 FOR CONTINUATION

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Carolina Coliseum
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Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

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DRAWING TITLE
HVAC PLANS - NE QUADRANT

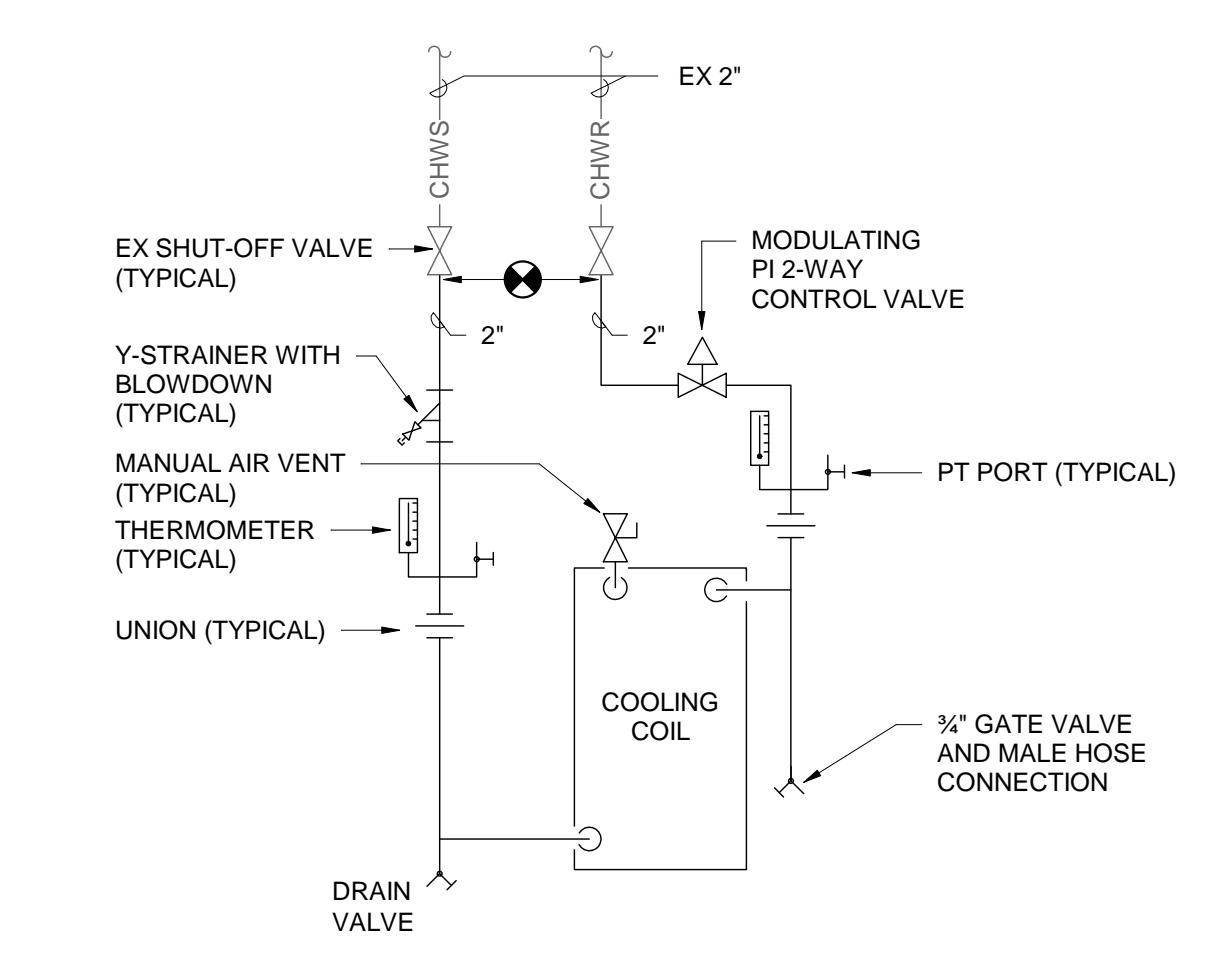
PROJECT NO. 147117
DATE 06/01/18
DRAWING NO. M1.2

AIR HANDLING UNIT SCHEDULE														
TAG	DAIKIN MODEL NO.	AIRFLOW CFM	OUTDOOR AIR-CFM	ESP IN. WG	BRAKE H.P.	MOTOR H.P.	HEATING COIL			COOLING COIL			REMARKS	
							KW	STEPS	EADBWB	LADBWB	GPM	WTR. P.D. FT. WTR.		MAX-FPM
AHU-1	CAH008GDAM	3,000	1,500	1.5	2.37	3	17	SCR	84.2/71.2	54.2/54.0	32.8	13.5	400	1,2,3,4,5,6

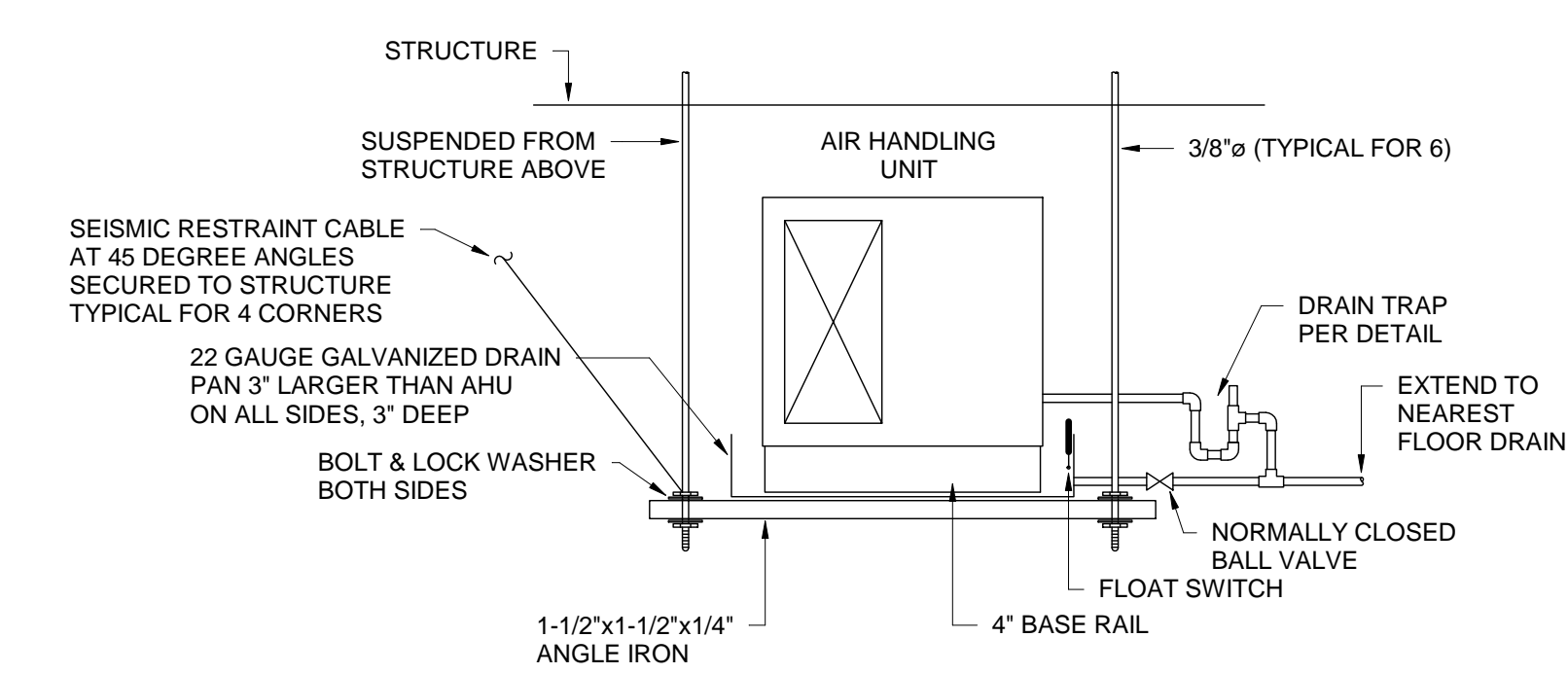
- UNIT SELECTION SHALL INCLUDE 0.5" FILTER LOAD.
- ENTERING CHILLED WATER TEMPERATURE SHALL BE 48°F AND THE WATER TEMPERATURE RISE SHALL BE 10°F.
- PROVIDE FLAT FILTER SECTION WITH FOUR INCH THICK MERV 8 FILTERS AND 2 EXTRA SETS OF FILTERS.
- FAN SECTION SHALL BE INTERNALLY ISOLATED WITH EXTENDED LUBE LINES.
- PROVIDE UNIT MOUNTED HAND/OFF/AUTO VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT.
- AIR HANDLER TO BE HORIZONTAL DRAW THRU WITH 4" BASE RAIL. CONFIGURATION SHALL BE FLAT FILTER/ELECTRIC HEATING COIL/CW COIL/FAN.

SINGLE DUCT TERMINAL UNIT SCHEDULE										
TAG	PRICE	MODEL	AIR INLET INCHES	COOLING		HEATING		MAX UNIT P.D. IN. W.C.	REMARKS	
				MAX CFM	MIN CFM	CFM	KW			
V-1-1	SDV5	12a	1,800	700	700	7.8	2	0.25	1,2,3	
V-1-2	SDV5	8a	600	300	300	3.3	2	0.25	1,2,3	
V-1-3	SDV5	8a	500	150	150	1.7	1	0.25	1,2,3	
V-1-4	SDV5	8a	700	400	400	4.4	2	0.25	1,2,3	

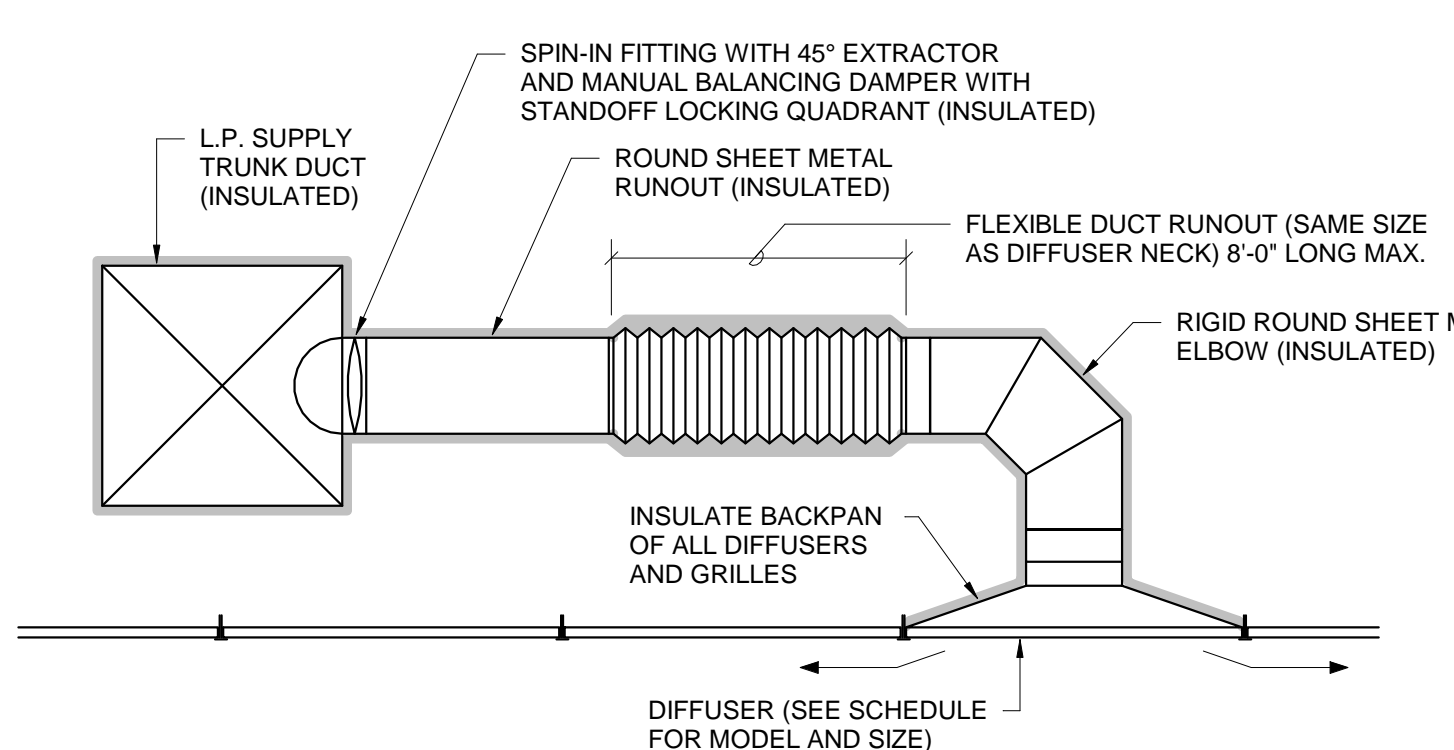
- PROVIDE ELECTRIC HEATING COIL ON BOX DISCHARGE WITH 4'-0" STRAIGHT PLENUM BEFORE FITTINGS OR TAKEOFFS.
- PROVIDE 1" THICK FOIL FACED INSULATION, DOOR INTERLOCKING DISCONNECT SWITCH, AND LINE FUSE.
- CONTROLS SHALL BE PROVIDED BY THE CONTRACTOR AND FACTORY MOUNTED.



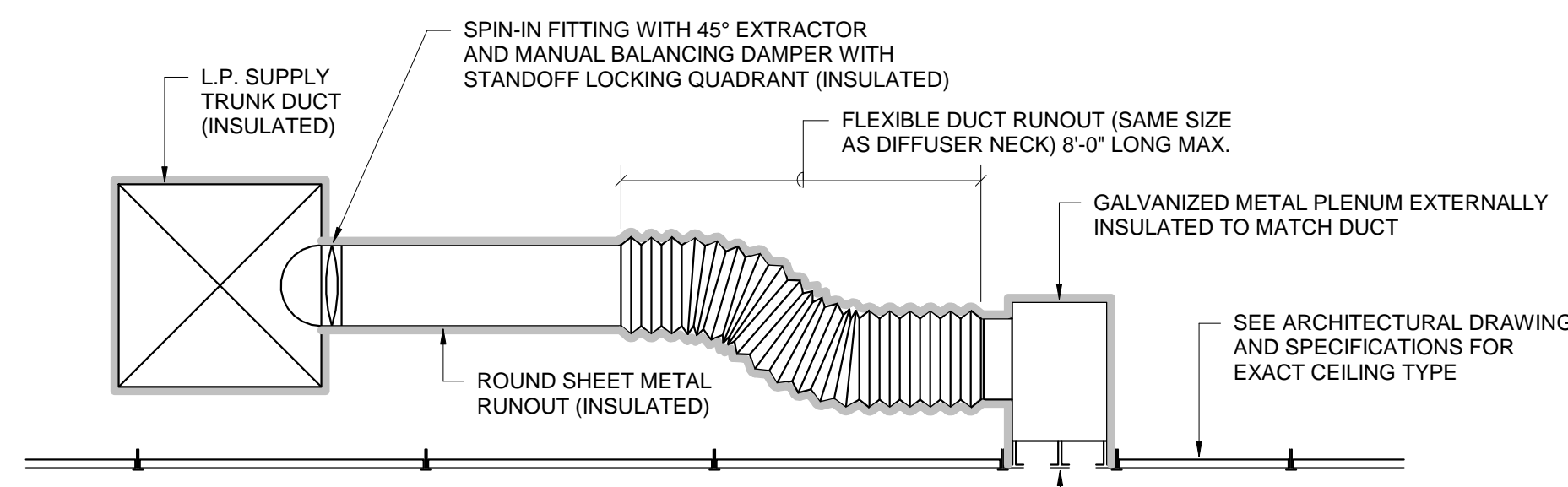
1 AHU PIPING DETAIL
M2.1 NO SCALE



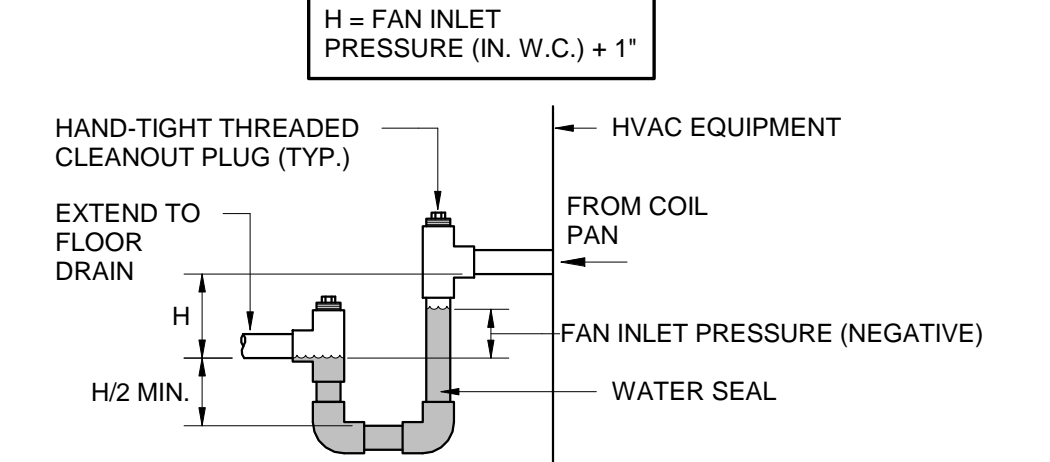
2 AIR HANDLING UNIT SUPPORT DETAIL
M2.1 NO SCALE



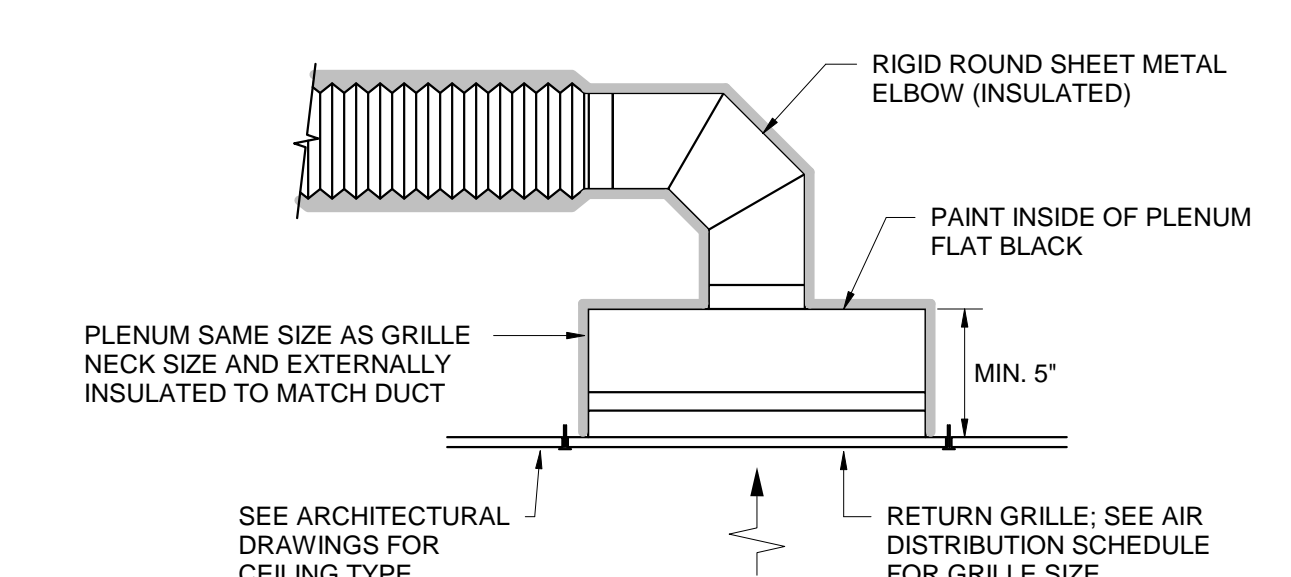
3 CEILING DIFFUSER DETAIL
M2.1 NO SCALE



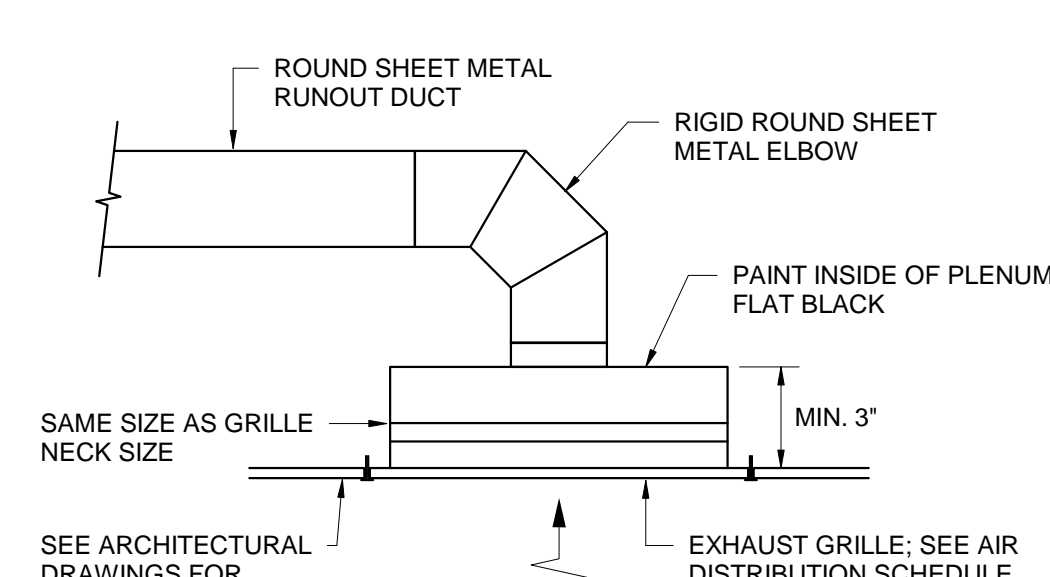
4 SLOT DIFFUSER DETAIL
M2.1 NO SCALE



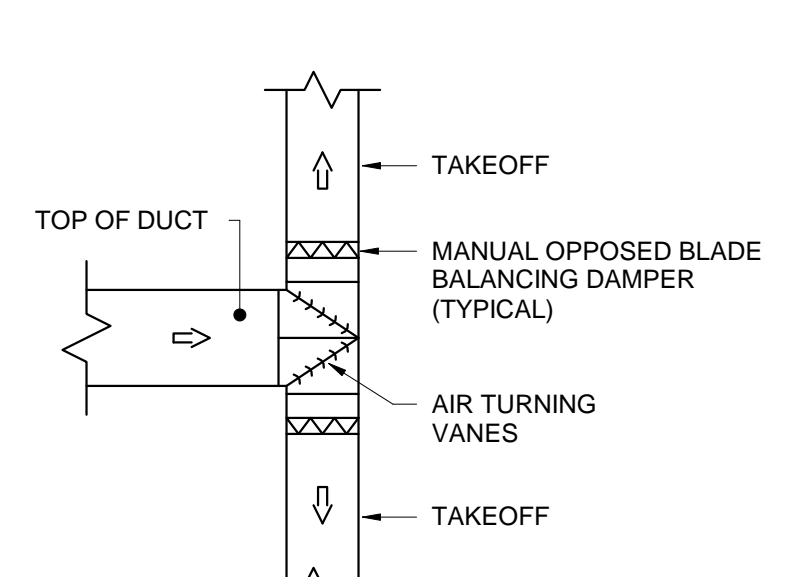
5 CONDENSATE DRAIN DETAIL
M2.1 NO SCALE



6 DUCTED RETURN GRILLE DETAIL
M2.1 NO SCALE



7 EXHAUST GRILLE DETAIL
M2.1 NO SCALE



8 SPLITTER DETAIL
M2.1 NO SCALE

AIR DISTRIBUTION SCHEDULE										
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS	
(A)	SQ. PLAQUE SUPPLY	PRICE	SPD AS	LAY-IN	0-125	6"ø	24"x24"	35	1,3	
(B)	SQ. PLAQUE SUPPLY	PRICE	SPD AS	LAY-IN	126-250	8"ø	24"x24"	35	1,3	
(C)	SQ. PLAQUE SUPPLY	PRICE	SPD AS	LAY-IN	551-750	14"ø	24"x24"	35	1,3	
(D)	PERFORATED RET/EXH	PRICE	APDDR	LAY-IN	0-300	10"x10"	12"x12"	35	1,3	
(E)	PERFORATED RET/EXH	PRICE	APDDR	LAY-IN	0-1,000	22"x22"	24"x24"	35	1,3	
(F)	LINEAR SLOT SUPPLY	PRICE	TBD3100	LAY-IN	126-250	8"ø	4"x48"	35	2,4	
(G)	LINEAR SLOT SUPPLY	PRICE	SDS100	TYPE 2	251-350	10"ø	6"x48"	35	2,5,6	
(H)	LINEAR SLOT RET/EXH	PRICE	SDR100	TYPE 2	251-350	10"ø	6"x48"	35	2,5,6	
(I)	HD LOUVERED RET/EXH	PRICE	96	SURFACE	- - -	18"x36"	20"x36"	-	1,7	

- PROVIDE WITH STANDARD WHITE FINISH.
- PROVIDE WITH BLACK B-17 FINISH.
- PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION.
- PROVIDE WITH TWO (2) 1" SLOTS, 1-BAR CLIPS, AND CENTER NOTCH.
- PROVIDE WITH THREE (3) 1" SLOTS, BOOT PLENUM, AND TYPE Z FLUSH END CAP CONDITION.
- PROVIDE WITH FACE OPERATED REMOTE BALANCING DAMPER.
- PROVIDE HEAVY GAUGE STEEL CONSTRUCTION.

ISOLATION AND SEISMIC SCHEDULE				
RISK CATEGORY = III		SEISMIC DESIGN CATEGORY = D		
EQUIPMENT TAG	COMPONENT	ISOLATION SPECIFICATION	SEISMIC REST. SPECIFICATION	ISOLATION DEFLECTION
AIR HANDLING UNITS (SUSP.)	1.0	INTERNAL BY MANUFACTURER	SPEC SC NOTE 1	2"
INLINE FANS	1.0	SPEC D	SPEC SC	1"
VAV (NON-FAN) <= 75 LBS	1.0	NONE	NONE	N/A
VAV (NON-FAN) > 75 LBS	1.0	NONE	SPEC SC	N/A
AIR DISTRIBUTION > 20 LBS	1.0	NONE	TWO 12 GA WIRE TO STRUCTURE	N/A
AIR DISTRIBUTION <= 20 LBS	1.0	NONE	NOTE 2	N/A

- ANCHOR BOLTS FOR NON-ISOLATED AND INTERNALLY ISOLATED EQUIPMENT SHALL BE SIZED BY THE SEISMIC RESTRAINT SUPPLIER.
- DIFFUSERS WEIGHING LESS THAN 20 LBS MUST BE MECHANICALLY ATTACHED TO CEILING GRID UNLESS NOTED OTHERWISE, BUT REQUIRE NO ADDITIONAL RESTRAINT.

FAN SCHEDULE						
TAG	GREENHECK MODEL NO.	TYPE	CFM	ESP	MOTOR H.P./W.	SONES (MAX.)
SF-1	SQ-130-VG	INLINE	1,500	1.0	3/4	15

- PROVIDE DIRECT DRIVE CENTRIFUGAL INLINE FAN WITH DISCONNECT SWITCH, SLOPED FILTER BOX WITH 2" THICK MERV 8 FILTERS, AND 1" THICK INSULATED HOUSING FOR FAN AND FILTER BOX.
- PROVIDE VARI-GREEN EC MOTOR WITH CONSTANT AIRFLOW CONTROL AND AIRFLOW MEASURING STATION.
- INTERLOCK FAN TO OPERATE WITH ASSOCIATED AIR HANDLING UNIT DURING OCCUPIED TIMES THROUGH THE CENTRAL CONTROL SYSTEM.

- ### GENERAL NOTES
- VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.
 - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC.
 - 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.
 - EXISTING PIPE, DUCTWORK, CONDUIT, ETC. THAT INTERFERES WITH THE ROUTING OF NEW SYSTEMS SHALL BE RELOCATED. THIS CONTRACTOR SHALL INCLUDE THE COST OF SUCH IN HIS BID UNLESS NOTED OTHERWISE.
 - WATER SYSTEMS SHALL BE DRAINED AS REQUIRED FOR INSTALLATION OF WORK. UPON COMPLETION, SYSTEM SHALL BE FILLED WITH WATER AND VENTED OF ALL AIR.
 - ALL PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH PARTITIONS.
 - 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 TO NEAREST FLOOR DRAIN OR 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 WATER PIPING SHALL PITCH DOWN IN DIRECTION OF FLOW ONE-INCH PER FIFTY FEET WITH MAXIMUM AIR VENTS AT ALL HIGH POINTS AND 3/4-INCH DRAIN VALVES WITH STANDARD HOSE CONNECTION AT ALL LOW POINTS.
 - ALL VALVES AND SPECIALTIES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE, USING ECCENTRIC REDUCERS ON AUTOMATIC VALVES AS REQUIRED.
 - MINIMUM PIPE SIZE SHALL BE 3/4-INCH UNLESS INDICATED OTHERWISE.
 - 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.
 - ALL DUCTWORK SPECIFIED TO BE LINED SHALL BE INCREASED IN SIZE TO ALLOW FOR LINER.
 - WHERE TRUNK DUCTS ARE ROUTED ABOVE UNACCESSIBLE CEILING PROVIDE CABLE OPERATED REMOTE CONTROLLED VOLUME DAMPERS AT BRANCH TAKEOFFS. DAMPERS SHALL BE METROPOLITAN AIR TECHNOLOGY MODEL RT-150 OR APPROVED EQUAL.
 - WHERE 2'-0" x 2'-0" LAY IN GRILLES ARE SPECIFIED IN HARD CEILING, A PLASTER FRAME SHALL BE PROVIDED SO THE GRILLE CAN LAY IN THE CEILING.
 - THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
 - 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. DUCT DETECTORS PROVIDED BY DIVISION 26 SHALL BE INSTALLED BY DIVISION 23. POWER WIRING AND FIRE ALARM CONNECTIONS SHALL BE BY DIVISION 26. CONTROL WIRING FOR UNIT SHUTDOWN SHALL BE BY DIVISION 23.
 - LOCATE ALL SPACE CONTROL INSTRUMENTS 4'-0" ABOVE FINISHED FLOOR TO TOP OF DEVICE IN ACCORDANCE WITH ADA. COORDINATE LOCATIONS WITH ARCHITECTURAL ELEVATIONS TO AVOID ITEMS INCLUDING BUT NOT LIMITED TO CUSTOM FINISHES, FIXED CASEWORK, FURNITURE, AND DOOR SWINGS. IN THE EVENT OF CONFLICTS IN THE FIELD, THE CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE A/E FOR FINAL APPROVAL OF LOCATION.
 - INSTRUMENT TEST HOLES SHALL BE LOCATED IN EACH SUPPLY DUCT OR ZONE DUCT, IN EACH RETURN AIR DUCT AND EACH OUTSIDE AIR DUCT.
 - CORRECT SETTINGS ON ALL BALANCING FITTINGS SHALL BE PERMANENTLY MARKED. PROVIDE ORANGE FLAGGING RIBBON ON EACH DAMPER HANDLE FOR EASY IDENTIFICATION.
 - 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, UNLESS NOTED OTHERWISE, 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.

LEGEND	
SYMBOL	DESCRIPTION
	CHWS - CHILLED WATER SUPPLY LINE
	CHWR - CHILLED WATER RETURN LINE
	D - DRAIN LINE
	SV - SHUTOFF VALVE
	STB - STRAINER WITH BLOWDOWN
	U - UNION
	PTA - PIPE TURNS TO AWAY
	T/P - THERMOMETER / PRESSURE GAGE
	TWC - THERMOMETER WELL CAPPED / GAGE COCK
	CR - CONCENTRIC REDUCER
	ER - ECCENTRIC REDUCER
	100 - TYPE 'A' DIFFUSER, 100 CFM
	ZTS - ZONE TEMPERATURE SENSOR
	RHS - RELATIVE HUMIDITY SENSOR
	CDS - CARBON DIOXIDE SENSOR
	MBD - MANUAL OPPOSED BLADE BALANCING DAMPER
	RS - RECTANGULAR SUPPLY DUCTWORK
	RF - RETURN AND FRESH AIR DUCTWORK
	EX - EXHAUST DUCTWORK
	48x24 - 48"x24" RECTANGULAR DUCT
	LDO - LOUVERED DOOR BY GENERAL CONTRACTOR
	AFF - ABOVE FINISHED FLOOR
	CPE - CONNECTION POINT OF NEW TO EXISTING



PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM

Carolina Coliseum
650 Park Street
Columbia, SC 29201

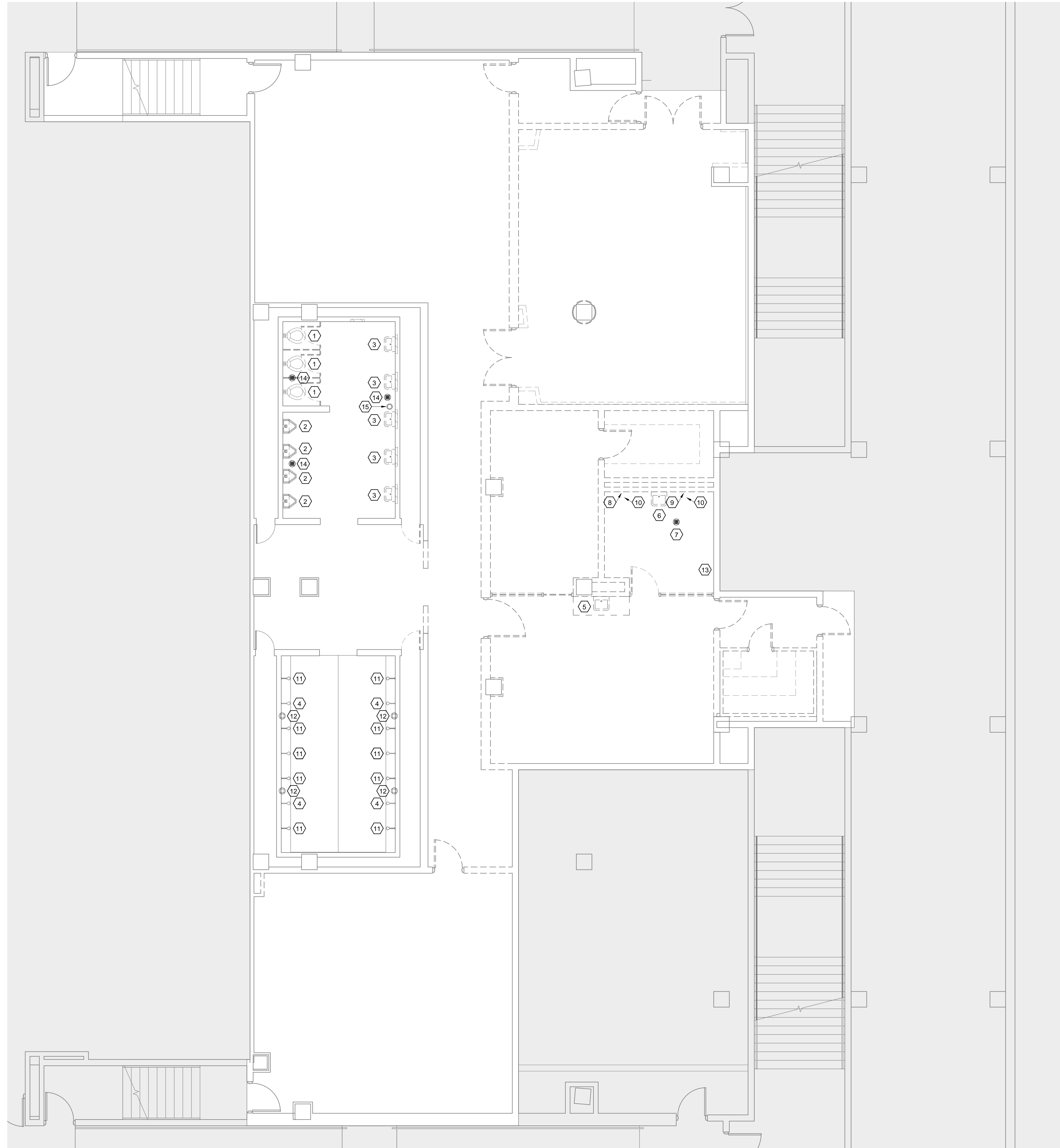
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DATE: 08-01-18

DETAILS, NOTES, SCHEDULES, AND LEGEND

PROJECT NO. 171717
DATE 08-01-18
DRAWING NO. M2.1

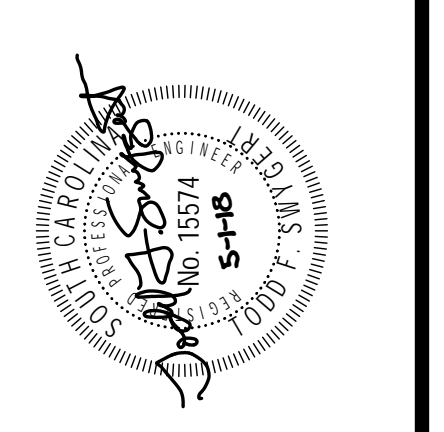
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1 DEMOLITION PLAN
 PD1.1 3/16" = 1'-0"

DEMOLITION NOTES

- 1 EXISTING WALL MOUNTED WATER CLOSET TO BE REMOVED COMPLETE. EXISTING WASTE AND SUPPLY PIPING AND CHAIR CARRIER TO BE REUSED FOR NEW FIXTURE IN SAME PLACE. SEE RENOVATION PLANS.
- 2 EXISTING WALL MOUNTED URINAL TO BE REMOVED COMPLETE. EXISTING WASTE AND SUPPLY PIPING AND CHAIR CARRIER TO BE REUSED FOR NEW FIXTURE IN SAME PLACE. SEE RENOVATION PLANS.
- 3 EXISTING WALL MOUNTED LAVATORY TO BE REMOVED COMPLETE. EXISTING WASTE AND SUPPLY PIPING TO BE REUSED FOR NEW FIXTURE IN SAME PLACE. SEE RENOVATION PLANS.
- 4 EXISTING SHOWER VALVE AND HEAD TO BE REMOVED COMPLETE. EXISTING SUPPLY LINES TO BE CAPPED ABOVE CEILING, IN WALL, OR BELOW SLAB AS REQUIRED.
- 5 EXISTING SINK TO BE REMOVED COMPLETE. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE CAPPED ABOVE CEILING, IN WALL, OR BELOW SLAB AS REQUIRED.
- 6 EXISTING FLOOR MOUNTED UTILITY SINK TO BE REMOVED COMPLETE. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE CAPPED ABOVE CEILING OR BELOW SLAB AS REQUIRED.
- 7 EXISTING FLOOR DRAIN TO BE REMOVED. CAP EXISTING WASTE LINE BELOW SLAB AS REQUIRED.
- 8 EXISTING HOSE BIBBS (2) TO BE REMOVED. CAP EXISTING SUPPLY LINES ABOVE CEILING AS REQUIRED.
- 9 EXISTING MIXING VALVE TO BE REMOVED. CAP EXISTING SUPPLY LINES ABOVE CEILING AS REQUIRED.
- 10 EXISTING WASTE STUB-UP FOR HYDROTHERAPY TUB AND ASSOCIATED VENT PIPING TO BE REUSED FOR NEW VALVE AND HEAD. SEE RENOVATION PLANS.
- 11 EXISTING SHOWER VALVE AND HEAD TO BE REMOVED COMPLETE. EXISTING SUPPLY LINES TO BE REUSED FOR NEW VALVE AND HEAD. SEE RENOVATION PLANS.
- 12 EXISTING FLOOR DRAIN TO BE REMOVED COMPLETE. EXISTING WASTE LINE TO BE THOROUGHLY CLEANED OF ALL TAR AND REUSED FOR NEW FLOOR DRAIN AT SAME LOCATION. SEE RENOVATION PLANS.
- 13 EXISTING SUPPLY AND DRAIN PIPING FOR ICE MACHINE TO BE REMOVED COMPLETE. CAP ALL PIPING IN WALL AS REQUIRED.
- 14 EXISTING FLOOR DRAIN TO BE REMOVED COMPLETE. EXISTING WASTE LINE TO BE REUSED FOR NEW FLOOR DRAIN AT NEW HEIGHT. EXTEND PIPING AS REQUIRED. SEE RENOVATION PLANS. FLOOR DRAIN AT LAVATORIES TO BE SHIFTED DUE TO NEW COUNTERTOP.
- 15 EXISTING CLEANOUT TO BE REMOVED COMPLETE. EXISTING WASTE LINE TO BE REUSED FOR NEW CLEANOUT AT NEW HEIGHT. EXTEND PIPING AS REQUIRED DUE TO NEW COUNTERTOP. SEE RENOVATION PLANS.



PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
 Carolina Coliseum
 650 Park Street
 Columbia, SC 29201

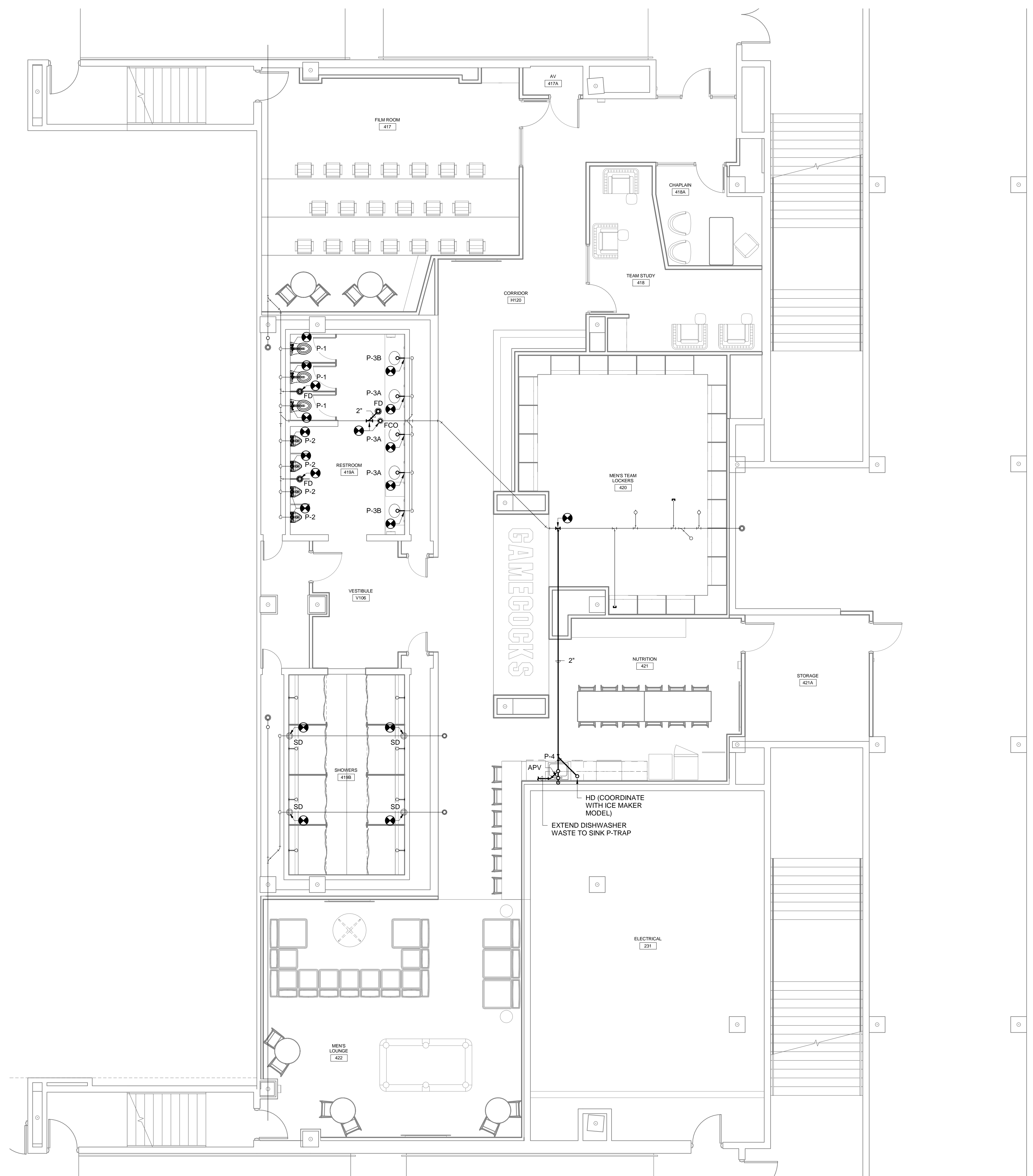
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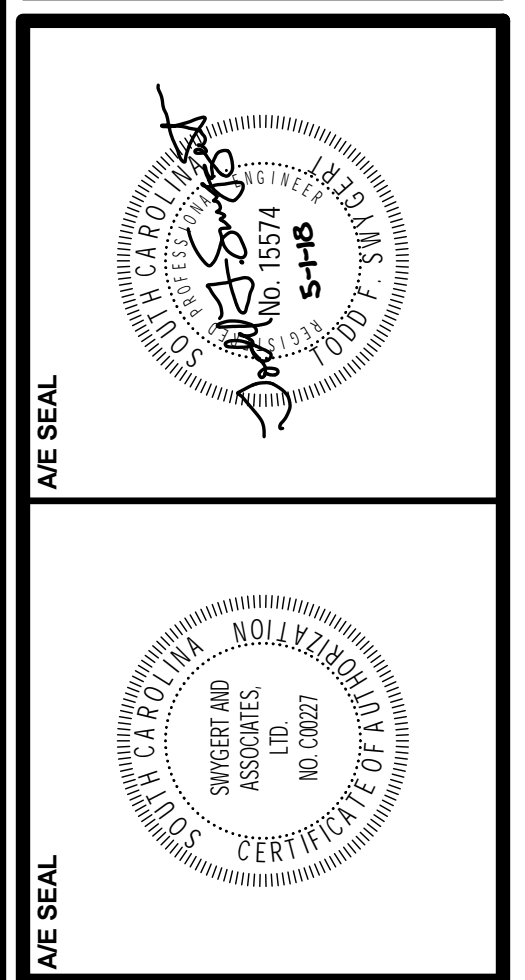
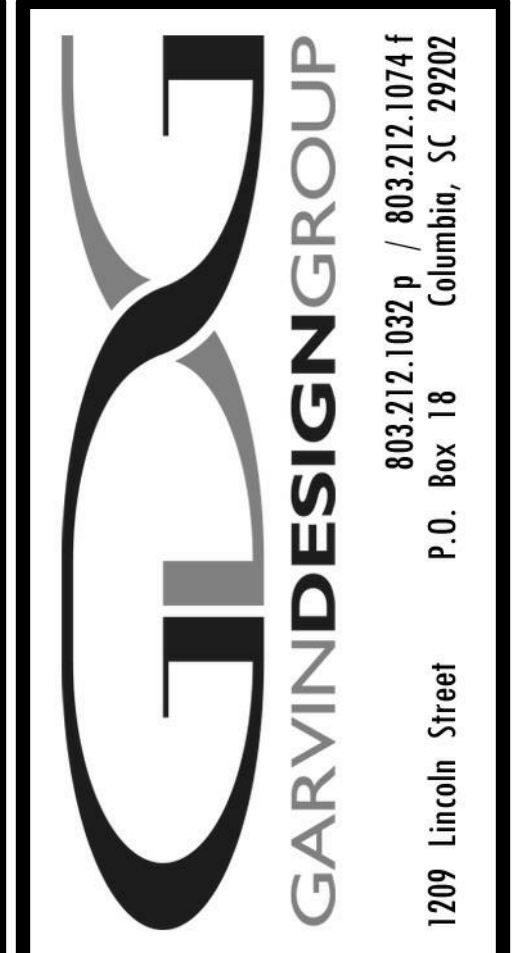
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PROJECT NO. []
 DATE []
 DRAWING NO.
PD1.1



1 RENOVATION PLAN
P1.1 3/16" = 1'-0"

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PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
Carolina Coliseum
650 Park Street
Columbia, SC 29201

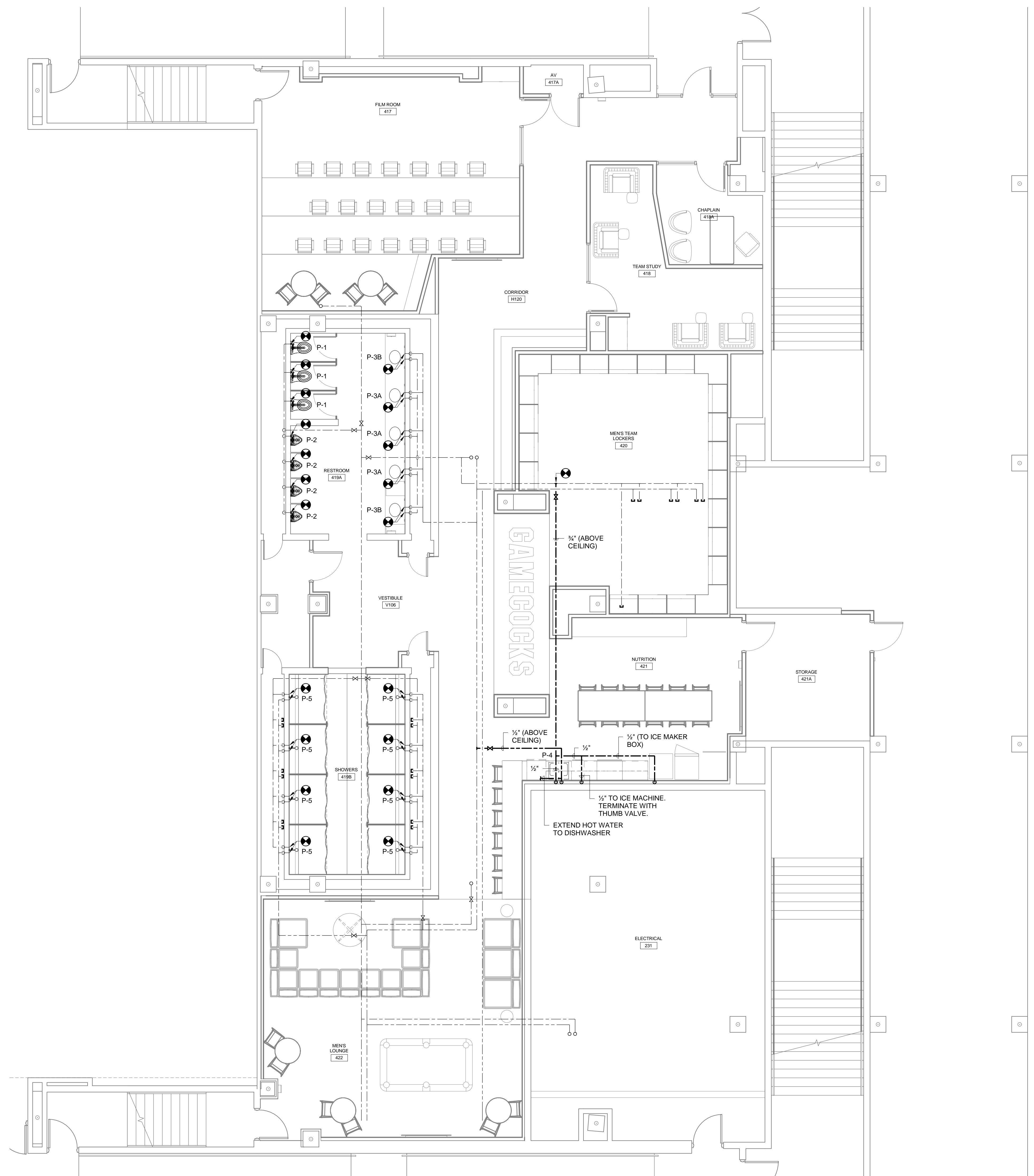
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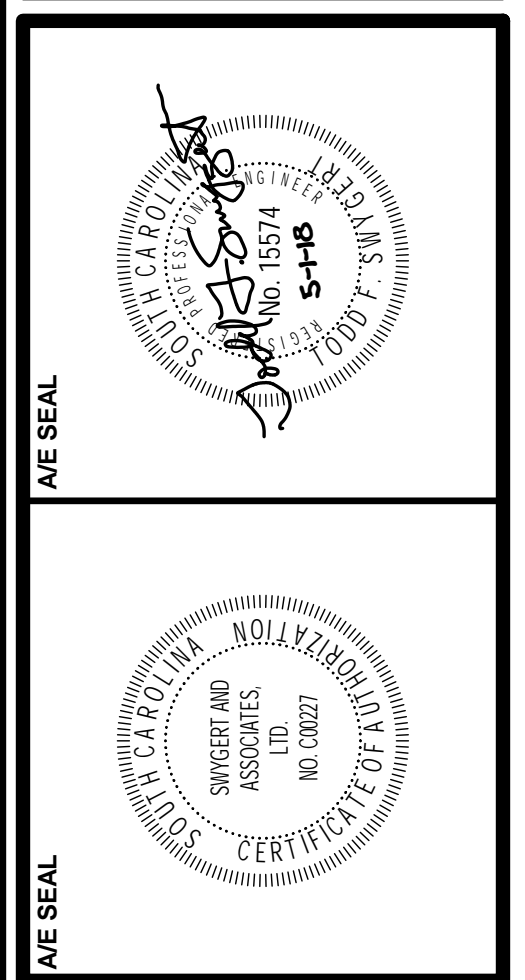
DRAWING TITLE
RENOVATION PLAN - WASTE AND VENT PIPING

PROJECT NO. 147117
DATE 06/01/18
DRAWING NO. **P1.1**



1 RENOVATION PLAN
P2.1 3/16" = 1'-0"

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PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
Carolina Coliseum
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DRAWING TITLE
RENOVATION PLAN - SUPPLY PIPING

PROJECT NO. []
DATE []
DRAWING NO.
P2.1

PLUMBING FIXTURE SCHEDULE

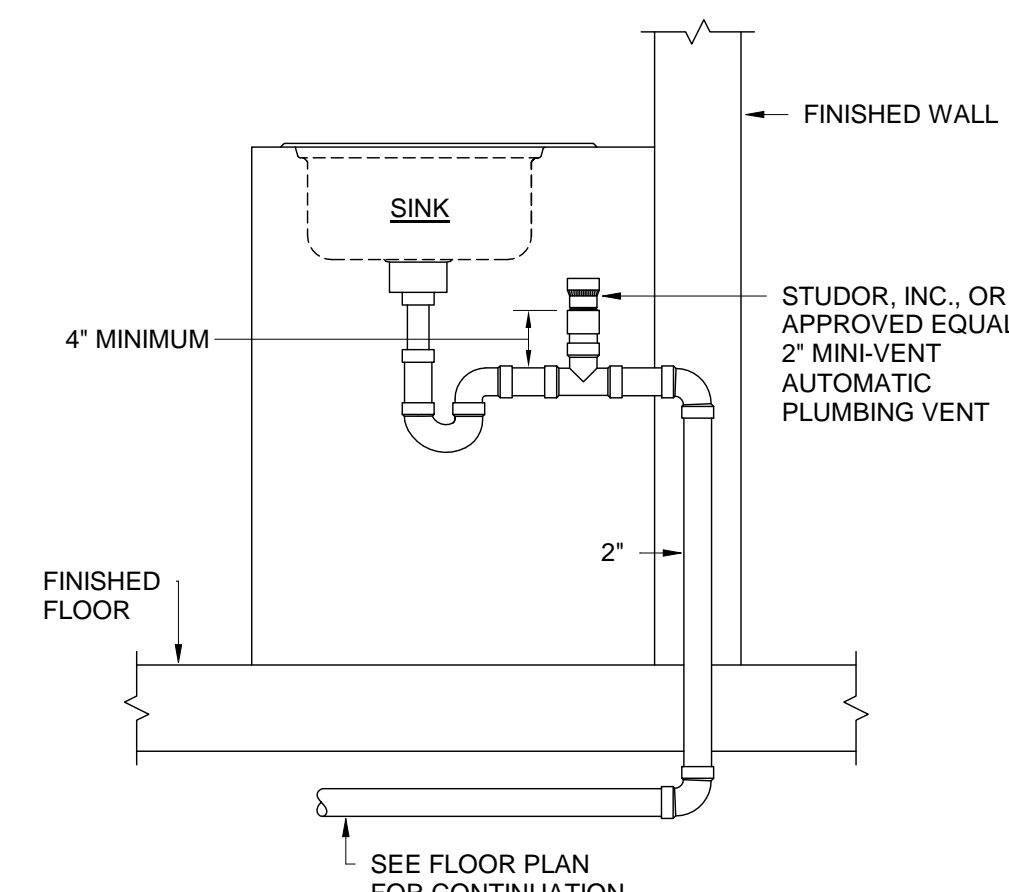
P. NO.	FIXTURE	MFGR.	NAME	MFGRS. NO.	SIZE	MIN. SUPPLY		REMARKS
						CW	HW	
P-1	WATER CLOSET	KOHLER	KINGSTON	K-4325	...	1"	--	WITH SLOAN MODEL 111-XL FLUSH VALVE, AND BENEKE 527 SEAT. REUSE EXISTING CARRIER.
P-2	URINAL	KOHLER	DEXTER	K-6016-ET	...	3/4"	--	WITH SLOAN MODEL 186-0.5-XL FLUSH VALVE. REUSE EXISTING CARRIER.
P-3A	LAVATORY	KOHLER	CAXTON	K-2210	19 1/4" x 16 1/4"	3/8"	3/8"	UNDERCOUNTER MOUNTED WITH DELTA MODEL 22C651 FAUCET, WATTS, OR APPROVED EQUAL, SERIES LFUSG-B ASSE 1070 THERMOSTATIC MIXING VALVE, MCGUIRE 165A GRID DRAIN, MCGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8872 1-1/4" P-TRAP. MOUNT MIXING VALVE AS HIGH AS POSSIBLE UNDER COUNTERTOP.
P-3B	LAVATORY	KOHLER	CAXTON	K-2211	20 1/4" x 17 1/4"	3/8"	3/8"	UNDERCOUNTER MOUNTED WITH DELTA MODEL 22C651 FAUCET, WATTS, OR APPROVED EQUAL, SERIES LFUSG-B ASSE 1070 THERMOSTATIC MIXING VALVE, MCGUIRE 155WC OFFSET GRID DRAIN, MCGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8872 1-1/4" P-TRAP. MOUNT MIXING VALVE AS HIGH AS POSSIBLE UNDER COUNTERTOP.
P-4	SINK	ELKAY	LUSTERTONE	ELUH281610	30 1/2" x 18 1/2"	1/2"	1/2"	UNDERCOUNTER MOUNTED WITH DELTA MODEL 9978-DST FAUCET WITH PULL OUT SPRAY HOSE, LK-35 CUP STRAINER, MCGUIRE 2167 1/2" CAST BRASS SUPPLIES WITH STOPS, MCGUIRE 8912 1-1/2" P-TRAP, AND T&S BRASS MODEL B-1210-01-WFK GLASS FILLER WITH WATER FILTRATION KIT. NOTE DEPTH OF SINK WHEN ROUGHING IN PIPING.
P-5	SHOWER	DELTA	...	T17240	...	1/2"	1/2"	WITH MONITOR 17 SERIES PRESSURE BALANCED MIXING VALVE AND RP42758 TOUCH CLEAN SHOWER HEAD.
FD	FLOOR DRAIN	ZURN	...	ZN-415-S	...	--	--	WITH 5"x5" NICKLE BRONZE STRAINER, P-TRAP, AND PROSET, OR APPROVED EQUAL, TRAP GUARD.
SD	SHOWER DRAIN	ZURN	...	ZN-400-7K	...	--	--	WITH 6'-0" x 7" NICKLE BRONZE ANGULAR STRAINER, AND P-TRAP.

GENERAL NOTES

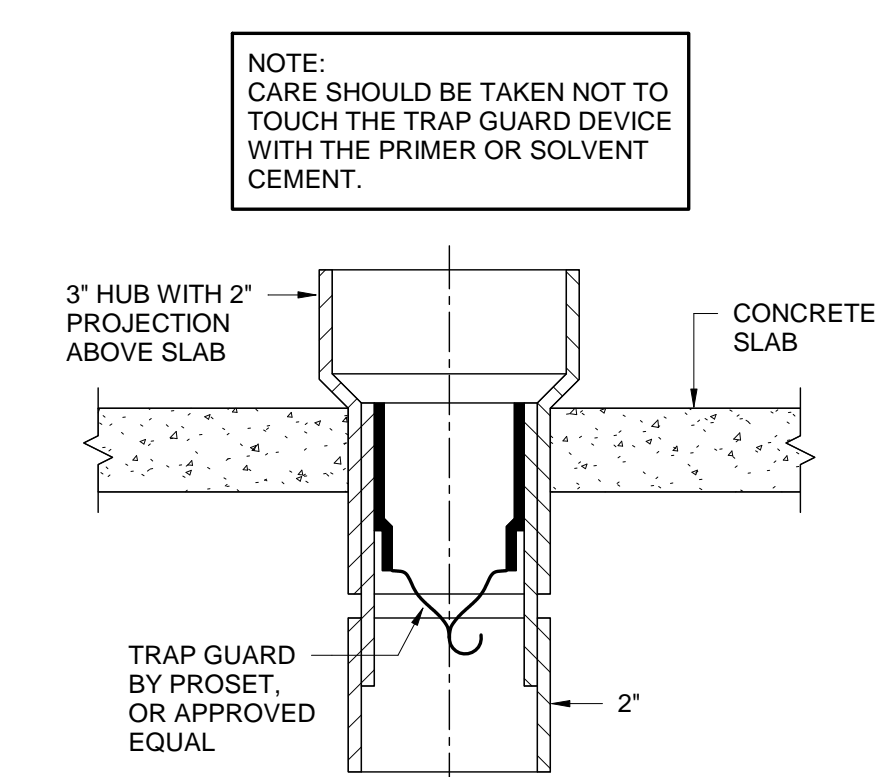
1. ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2015 INTERNATIONAL PLUMBING CODE.
2. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
3. CONTRACTOR SHALL, PRIOR TO BIDDING, VISIT THE SITE AND DETERMINE SCOPE OF WORK, MATERIALS REQUIRED AND DIFFICULTY OF INSTALLATION. WORK SHALL BE INSTALLED COMPLETE AND OPERATIVE.
4. COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
5. OPENINGS THROUGH WALLS AND FLOORS SHALL BE CUT NO LARGER THAN REQUIRED FOR INSTALLATION AND SHALL BE SMOOTH.
6. ALL OPENINGS THROUGH WALLS SHALL BE FLASHED AND COUNTER FLASHED.
7. ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS AND PIPING FOR ALL OFFSETS AND/OR CHANGES IN ELEVATION.
8. ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS, AND AS DETAILED ON THESE DRAWINGS.
9. CONTRACTOR SHALL VERIFY ACTUAL LOCATIONS AND INVERTS OF THE EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
10. ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.

LEGEND

SYMBOL	DESCRIPTION
	SANITARY WASTE LINE
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	DOMESTIC HOT WATER RECIRCULATING LINE
	SHUTOFF VALVE
	PIPE TURNS TO, AWAY
	FLOOR CLEANOUT
	AUTOMATIC PLUMBING VENT
	HUB DRAIN
	CONNECTION POINT OF NEW TO EXISTING

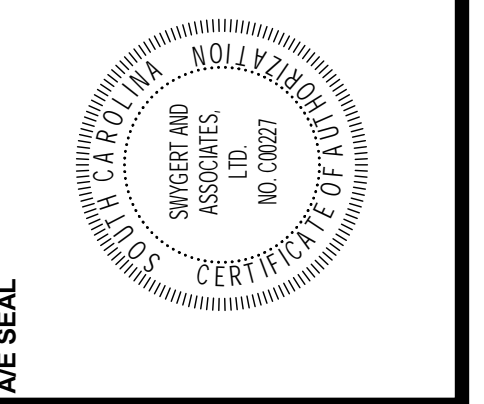
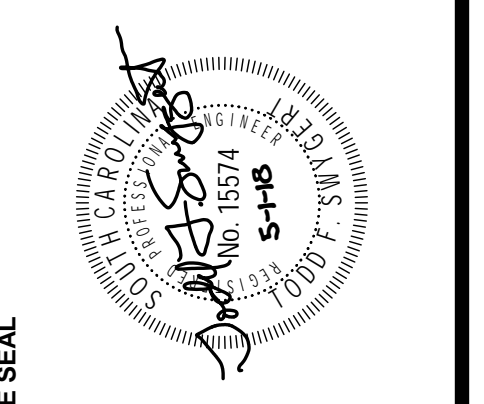
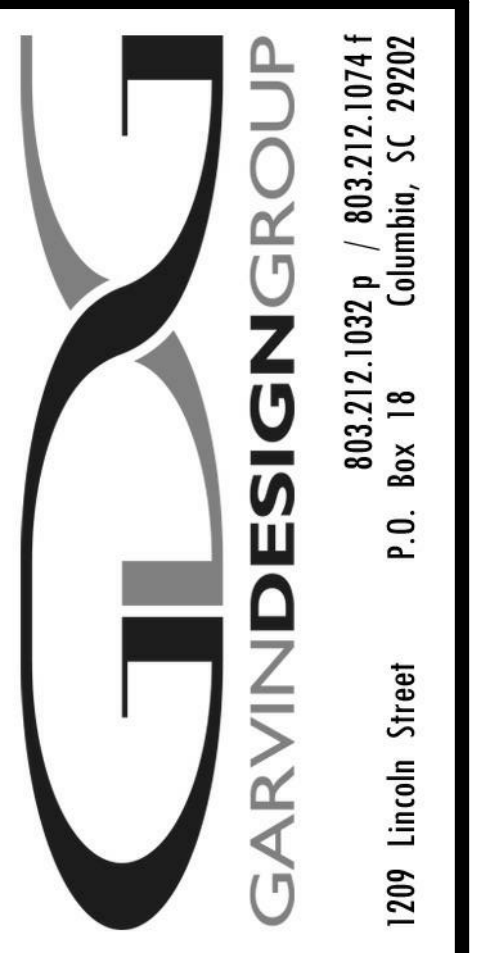


AUTOMATIC PLUMBING VENT
NO SCALE



HUB DRAIN DETAIL
NO SCALE

NOTE: CARE SHOULD BE TAKEN NOT TO TOUCH THE TRAP GUARD DEVICE WITH THE PRIMER OR SOLVENT CEMENT.



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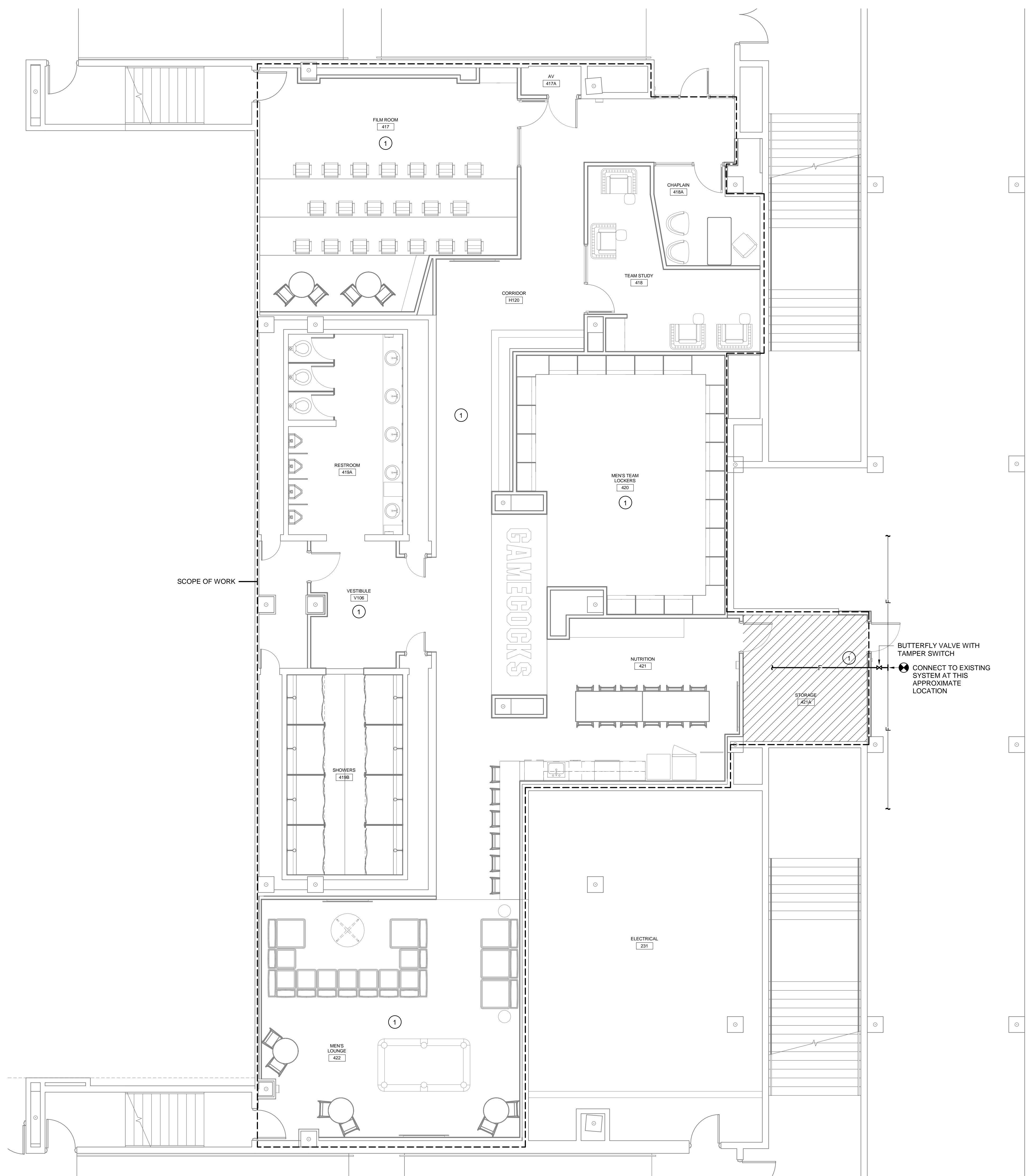
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DRAWING TITLE
DETAILS, NOTES, SCHEDULE, AND LEGEND

PROJECT NO. 147117
DATE 08-07-18
DRAWING NO. P3.1

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- GENERAL NOTES**
1. SUBMIT DRAWINGS INDICATING EXACT LOCATION OF ALL SPRINKLER HEADS FOR OWNER'S REVIEW AND BRING ALL FIELD CONFLICTS AND REQUIRED ADJUSTMENTS TO THE OWNER'S ATTENTION FOR VERIFICATION OF FINAL LOCATION OF ALL SPRINKLER HEADS.
 2. SPRINKLER DRAWINGS PROVIDED ARE TO ASSIST THE CONTRACTOR. SUCCESSFUL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF A COMPLETE SYSTEM PER THESE PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMISSION TO THE OFFICE OF THE STATE FIRE MARSHAL.
 3. THE DESIGN TEAM, TO INSURE COMPATIBILITY WITH THE BUILDING DESIGN INTENT, WILL CAREFULLY REVIEW SPRINKLER PLANS. CORRECTIONS WILL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
 4. ALL NEW SPRINKLER HEADS SHALL BE CENTERED IN ALL ACOUSTICAL CEILING TILES OR CENTERED IN GYPSUM BOARD SOFFITS AS REQUIRED.
 5. SPRINKLER PIPING SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS WITH LATERAL SWAY BRACING, LONGITUDINAL SWAY BRACING, AND FOUR-WAY BRACING AS REQUIRED BY NFPA AND THE INTERNATIONAL BUILDING CODES.
 6. ALL PIPING 2-1/2" AND LARGER SHALL BE SCHEDULE 10 STEEL PIPING AND ALL PIPING SMALLER THAN 2-1/2" SHALL BE SCHEDULE 40 STEEL PIPING.

- SPECIAL NOTES**
1. EXISTING SPRINKLER SYSTEM SHALL BE EXTENDED OVER TO UNPROTECTED AREA INSIDE "SCOPE OF WORK" LINE AND PROVIDE COVERAGE AT NEW CEILING TO PROVIDE A FULLY PROTECTED AREA. PROTECTION ABOVE CEILING NOT REQUIRED.

LEGEND

- - LIGHT HAZARD
- ▨ - ORDINARY HAZARD - GROUP 1

1 RENOVATION PLAN
FP1.1 3/16" = 1'-0"

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PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM
Carolina Coliseum
650 Park Street
Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

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DRAWING TITLE
FLOOR PLAN AND NOTES

PROJECT NO. UML17
DATE 06-07-18
DRAWING NO. FP1.1

GENERAL "ELECTRICAL" NOTES

- BRANCH CIRCUIT WIRING SHALL BE NO. 12 AWG UNLESS NOTED OTHERWISE. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT. EXCEPTION: FINAL CONNECTION TO DEVICES, IN OUTLET BOXES, IS NOT REQUIRED TO BE LARGER THAN NO. 12 AWG.
- 20A/120V BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE OR FIXTURE SHALL USE NO. 10 CONDUCTORS AND 3/4" O.D.
- PRIOR TO ROUGH-IN, COORDINATE THE LOCATION AND MOUNTING HEIGHT OF ALL WALL AND CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL ELEVATIONS, MILLWORK SHOP DRAWINGS, AND EXISTING CONDITIONS. IN THE EVENT OF A CONFLICT, NOTIFY THE ARCHITECT. MINOR ADJUSTMENTS IN DEVICE LOCATION, I.E. 5'-0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE THE LOCATION OF ALL FLOOR-MOUNTED OUTLETS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE FLEXIBLE CONDUIT FOR ALL CONDUITS CROSSING EXPANSION JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF EXPANSION JOINTS.
- OUTLET BOXES FOR SWITCHES, RECEPTACLES, ETC MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATE WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBER IN THE WALL.
- ALL FLOOR BOXES SHALL BE INSTALLED TO MAINTAIN THE FIRE RATING OF THE FLOOR. COORDINATE CORE DRILLING HOLES IN FLOOR WITH STRUCTURAL ENGINEER.
- RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION ABOVE CEILINGS, BELOW FLOOR, AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
- FEEDER CONDUITS, BRANCH CIRCUITS AND CABLE TRAY ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES BEFORE AND DURING CONSTRUCTION.
- WHERE LIGHT SWITCH AND ABOVE COUNTER RECEPTACLES ARE INDICATED TO BE MOUNTED ADJACENT TO EACH OTHER, THE DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT UNDER A COMMON DEVICE PLATE. REFER TO THE ARCHITECTURAL DRAWINGS FOR PROJECT PHASING.
- THE ARRANGEMENT, GROUPING, AND ROUTING OF BRANCH CIRCUITS SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR ELECTRICAL WORK, THE NATIONAL ELECTRICAL CODE REQUIREMENTS, LOCAL ORDINANCES, AND THE FOLLOWING:
- 12.1 A COMMON NEUTRAL SHALL NOT BE INSTALLED IN A HOMERUN FOR 2 OR 3 BRANCH CIRCUITS UNLESS DIRECTION IS PROVIDED BY THE ENGINEER IN WRITING FOR A SPECIFIC APPLICATION.
- 12.2 MULTIPLE SINGLE-POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS, 1 GROUND) RATED FOR 30-AMPS OR LESS MAY BE PULLED INTO A SINGLE RACEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE RACEWAYS AND DERATING CONDUCTORS PER NEC ARTICLE 310.15.
- 12.3 BRANCH CIRCUIT, FEEDER & COMMUNICATION CIRCUITS SHALL BE ROUTED OVERHEAD UNLESS PRIOR APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND ENGINEER.
- 12.4 A GROUND CONDUCTOR SHALL BE PROVIDED IN ALL RACEWAYS UNLESS NOTED OTHERWISE.
- PROVIDE EXPANSION JOINT COUPLINGS ANYWHERE A CONDUIT PASSES THROUGH A BUILDING EXPANSION JOINT.
- WHERE FLOOR MOUNTED RECEPTACLES/DEVICES ARE GROUPED, PROVIDE DEVICES GROUPED IN ONE FLOOR BOX.
- COORDINATE THE ROUTING OF UNDERGROUND CONDUCTORS/CONDUIT WITH STRUCTURAL FOOTINGS AND UNDERGROUND UTILITIES.
- THE USE OF MC CABLE IS NOT ALLOWED.
- SEAL ALL EXISTING AND NEW FIRE RATED WALL AND FLOOR PENETRATIONS IN THE CONSTRUCTION AREA. SEE THE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF FIRE RATED WALLS.
- WHEREVER ON THE ELECTRICAL DRAWINGS THE WORD "PROVIDE" IS USED, IT SHALL BE INFERRED TO MEAN "FURNISH AND INSTALL".
- UNDERCABINET LIGHT FIXTURES, RECEPTACLES OTHER DEVICES TO BE MOUNTED INSIDE CABINETS SHALL BE REVIEWED W/ THE ARCHITECT PRIOR TO ROUGH-IN, TO CONFIRM EXACT LOCATION OF FIXTURES AND DEVICES.
- WHERE CARD READERS AND / OR DOOR CONTACTS ARE SHOWN ON DRAWINGS, COORDINATE WITH ACCESS CONTROL AND DOOR HARDWARE SUPPLIER TO ENSURE THAT ALL RACEWAYS AND BOXES FOR POWER, SIGNALING, AND DATA ARE PROVIDED TO CARD READER LOCATIONS, DOOR FRAME, POWER SUPPLIES, AND CABLE-TRAY.

GENERAL EXISTING CONDITION NOTES

- AREAS OF WORK EXIST FOR THIS PROJECT WHICH ARE NOT ACCESSIBLE OR HAVE LIMITED ACCESS DURING DESIGN. AS SUCH CONTRACTOR SHALL VERIFY ALL UTILITIES IN AREA OF WORK BEFORE DEMOLITION OF ANY SERVICE. ANY ELECTRICAL COMPONENTS NOT SHOWN SHALL BE IDENTIFIED AND THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE. NO ELECTRICAL REWORK SHALL BE COMMENCED WITHOUT COORDINATION OF BOTH ARCHITECT AND ENGINEER.
- IN AREAS WHERE THE EXISTING CEILINGS ARE NOT SLATED TO BE REMOVED, THE CONTRACTOR SHALL WORK THRU THE EXISTING CEILINGS (SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR AREA OF WORK). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED TILE OR GRID THAT IS A RESULT OF THEIR WORK.
- REFER TO ARCHITECTURAL PLANS FOR PHASING OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A FIRESTOP SYSTEM IN ALL PENETRATIONS OF FIRE-RATED WALLS CREATED BY THE REMOVAL OF EXISTING ELECTRICAL CONDUIT OR CABLES, AS WELL AS THOSE CREATED BY NEWLY INSTALLED CONDUITS AND SLEEVES.
- WHERE INSTALLATION REQUIRES CUTTING OR DRILLING OF THE EXISTING FLOOR SLAB, THE CONTRACTOR SHALL X-RAY THE EXISTING SLAB PRIOR TO WORK TO ENSURE THAT NO EXISTING UTILITIES OR STRUCTURAL ELEMENTS IN THE SLAB WILL BE COMPROMISED BY THE WORK. NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS THAT WILL REQUIRE RELOCATING THE PROPOSED SLAB WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED UTILITIES OR STRUCTURAL ELEMENTS CAUSED BY THE SLAB DEMOLITION.
- SUPPORT ALL EXISTING CONDUITS AND JUNCTION BOXES ABOVE THE CEILING PER NEC IN THE CONSTRUCTION AREA.
- REMOVE ALL ABANDONED CONDUIT, WIRE, AND COMMUNICATION CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
- PROVIDE JUNCTION BOX COVER PLATES ON ALL EXISTING JUNCTION BOXES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
- SUPPORT ALL EXISTING COMMUNICATION CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
- WHERE INFORMATION SHOWN ON THESE DRAWINGS CONFLICTS WITH VERIFIED FIELD CONDITIONS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

GENERAL "LIGHTING" NOTES

- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES.
- EXACT LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL SPACES SHALL BE DETERMINED IN THE FIELD. DO NOT SUPPORT FIXTURES FROM DUCT OR PIPING. PROVIDE CHAIN OR TRAPEZE-TYPE HANGERS WHERE FIXTURES CAN NOT BE MOUNTED DIRECTLY TO CEILING.
- LIGHTING FIXTURE CATALOG NUMBERS ARE INDICATIVE OF THE STYLE OF FIXTURE REQUIRED. CONTRACTOR SHALL PROVIDE FIXTURES WITH THE PROPER TRIM, VOLTAGE AND OPTIONS NECESSARY FOR INSTALLATION.
- DOUBLE-FACED EXIT FIXTURES SHALL BE OF THE SAME MANUFACTURER & SERIES AS THE SINGLE TYPE SPECIFIED.
- REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, PROVIDE BATTERY PACKS FOR ALL FIXTURES INDICATED ON THE DRAWINGS TO BE EMERGENCY TYPE.
- ALL EXIT SIGNS SHALL BE CONNECTED TO LOCAL LIFE SAFETY LIGHTING CIRCUIT AHEAD OF ALL SWITCHING.
- REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, ALL EXIT SIGNS SHALL BE PROVIDED WITH A BATTERY PACK. SHALL BE WIRED AHEAD OF LOCAL SWITCH AND SHALL NOT BE SWITCHED.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS OF LIGHT FIXTURE TO ACOUSTICAL CEILING SYSTEM AND STRUCTURE.

GENERAL "SIGNAL" NOTES

- PROVIDE CONDUIT FOR HVAC CONTROL CIRCUITS AS REQUIRED TO INTER-CONNECT HVAC UNIT TO CONTROL CIRCUITS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND CONTROLS PROVIDER TO DETERMINE SCOPE OF CONDUITS REQUIRED FOR HVAC CONTROLS. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED CONDUIT. COORDINATE POINTS OF CONNECTION WITH DIVISION 23. PROVIDE PULL CORD IN ALL EMPTY CONDUITS. SEE MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL HVAC EQUIPMENT AND CONTROL DEVICES.
- EXTEND A 1" CONDUIT WITH PULL WIRE FROM EACH COMMUNICATIONS OUTLET TO NEAREST CABLE-TRAY OR THE COMMUNICATION BACKBOARD. TURN CONDUIT 12" INTO CEILING CAVITY A MINIMUM OF 6" ABOVE THE CEILING AND TERMINATE WITH AN INSULATED PROTECTIVE BUSHING. COMMUNICATION OUTLET BOX SHALL BE 4" SQUARE WITH SINGLE GANG RING.
- PROVIDE ALL DUCT SMOKE DETECTORS AND ACCESSORIES NECESSARY FOR INTERLOCKING WITH MECHANICAL EQUIPMENT (AHU'S, SMOKE DAMPERS, ETC). COORDINATE WITH MECHANICAL PLANS FOR LOCATIONS AND REQUIREMENTS. DETECTORS SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR, WIRED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR, AND TIED TO MECHANICAL CONTROLS FOR AHU SHUTDOWN BY MECHANICAL CONTRACTOR.
- ALL COMMUNICATIONS OUTLET BOXES SHALL BE 2-1/2" DEEP.
- PROVIDE 1" CONDUIT TO ABOVE THE LOCAL ACCESSIBLE CEILING FOR ALL COMMUNICATION WALL MOUNTED DEVICES. PROVIDE SLEEVES SIZED FOR 40% EXPANSION THROUGH CORRIDOR WALLS.
- CABLE SHALL BE CONCEALED IN ALL FINISHED AREAS AND ROUTED PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE.
- ALL FIRE ALARM CABLE SHALL BE INSTALLED IN METALLIC CONDUIT. COORDINATES WITH FIRE ALARM SYSTEM MANUFACTURER FOR CABLE ROUTING AND QUANTITIES.

GENERAL "POWER" NOTES

- ALL BRANCH CIRCUITS INDICATED ON THESE PLANS TO BE LARGER THAN NO. 12 AWG SHALL BE SIZED AS INDICATED FOR THE ENTIRE LENGTH OF THE CIRCUIT.
- WHEN A RECEPTACLE IS INDICATED TO BE MOUNTED ADJACENT TO A COMPUTER/TELEPHONE/ TELEVISION OUTLET, THE DEVICE(S) SHALL BE MOUNTED WITHIN 6" CENTER-TO-CENTER.
- PROVIDE AND INSTALL AN ENGRAVED LAMINATED PLASTIC NAMEPLATE ON EACH ITEM OF ELECTRICAL EQUIPMENT SERVING MECHANICAL EQUIPMENT WHICH MATCH MECHANICAL DESCRIPTIONS, TO INDICATE THE DESIGNATION OF THE UNIT ON THE PLANS & THE BRANCH CIRCUIT SERVING THE EQUIPMENT.
- PROVIDE NEMA CONFIGURATION RECEPTACLES TO MATCH PLUGS ON EQUIPMENT FURNISHED.
- WHERE SPEED CONTROLLER IS INDICATED TO BE PROVIDED WITH FANS, IT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
- PROVIDE LABEL ON INSIDE FACE OF COVER PLATE OF ALL RECEPTACLES, SWITCHES & WALL MOUNTED DEVICES INDICATING PANEL AND BRANCH CIRCUIT TO WHICH EACH DEVICE IS CONNECTED.
- ALL WIRING DEVICES SHALL BE GREY WITH SMOOTH STAINLESS STEEL WALL PLATES.

GENERAL "DEMOLITION" NOTES

- ALL ELECTRICAL EQUIPMENT TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIALS UNTIL RELEASED BY OWNER'S PROJECT MANAGER. MATERIALS THAT OWNER'S PROJECT MANAGER CHOOSES TO RETAIN SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION DESIGNATED BY THE PROJECT MANAGER. ALL OTHER MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- REMOVE ALL EXPOSED ABANDONED COMMUNICATION CABLE FOUND DURING THE CONSTRUCTION PROCESS. SUPPORT ALL EXISTING REMAINING CABLE PER THE NEC.
- ELECTRICAL DEVICES NOT SHOWN ON WALLS TO BE DEMOLISHED SHALL BE DEMOLISHED AT NO ADDITIONAL COST TO OWNER.
- ELECTRICAL DEVICES NOT SHOWN ON CEILINGS OR WALLS TO REMAIN SHALL REMAIN IN PLACE. PROTECT FROM DAMAGE DURING CONSTRUCTION.
- ELECTRICAL DEVICES NOT SHOWN ON CEILINGS TO BE REMOVED SHALL BE TEMPORARILY DISCONNECTED AND REMOVED DURING DEMOLITION AND RE-INSTALLED ON NEW CEILING IN SAME LOCATION.

ABBREVIATIONS

ABR	DESCRIPTION
(E)	EXISTING
AFC	ABOVE FINISHED CEILING
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BAS	BUILDING AUTOMATION SYSTEM
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BOD	BOTTOM OF DEVICE
CBB	COMMUNICATIONS BACK BOARD
cd	CANDELA
CLG	CEILING
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDS	FUSED DISCONNECT SWITCH
FSD	FIRE/SMOKE DAMPER
GBB	GROUND BUSS BAR
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTING
GFI	GROUND-FAULT INTERRUPTING
GP	GENERAL PURPOSE
HP	HEAT PUMP
ICP	IRRIGATION CONTROL PANEL
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
LCS	LIGHTING CONTROL SYSTEM
NEC	NATIONAL ELECTRICAL CODE
NFDS	NON-FUSED DISCONNECT SWITCH
OC	ON CENTER
RFAP	REMOTE FIRE ALARM ANNUNCIATOR PANEL
RTU	ROOF TOP UNIT
SD	SMOKE DETECTOR
SPD	SURGE PROTECTION DEVICE
TGB	TELEPHONE GROUNDING BUSS BAR
UND	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WH	WATER HEATER
WP	WEATHERPROOF
XTRM	TRANSFORMER

DEMOLITION/RENOVATION NOTATION

- IF NO ANNOTATION IS SHOWN ASSUME EXISTING TO REMAIN IN PLACE FOR SOLID LINES AND DEMOLISH FOR DASHED LINES. DEVICES AND EQUIPMENT NOT SHOWN SHALL BE ASSUMED TO BE EXISTING TO REMAIN IN PLACE.
- E EXISTING FIXTURE OR DEVICE TO REMAIN IN PLACE. REPLACE ANY BROKEN DEVICES OR PLATES; COLOR TO MATCH EXISTING.
- R EXISTING FIXTURE OR DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. MAINTAIN CONTINUITY OF REMAINING PORTIONS OF BRANCH CIRCUIT.
- RE EXISTING DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. EXISTING CIRCUIT SHALL BE RETAINED. PROVIDE NEW DEVICE AS SHOWN ON RENOVATION PLANS.
- RN RELOCATED FIXTURE (NEW LOCATION).
- RR EXISTING FIXTURE TO BE RELOCATED BY THE ELECTRICAL CONTRACTOR TO NEW LOCATION SHOWN ON RENOVATION PLAN.

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Symbol]	SINGLE RECEPTACLE (WALL MOUNTED @ 18" AFF)	[Symbol]	FIRE ALARM FULL STATION (WALL MOUNTED @ 48" AFF TOP OF BOX)
[Symbol]	DUPLEX RECEPTACLE (WALL MOUNTED @ 18" AFF)	[Symbol]	FIRE ALARM AUDIBLE DEVICE (WALL MOUNTED @ 7'-6" AFF)
[Symbol]	DUPLEX RECEPTACLE (GFI TYPE @ 18" AFF)	[Symbol]	FIRE ALARM VISUAL DEVICE (WALL MOUNTED @ 7'-6" AFF)
[Symbol]	DUPLEX RECEPTACLE (USB TYPE @ 18" AFF)	[Symbol]	FIRE ALARM AUDIBLE/VISUAL DEVICE (WALL MOUNTED @ 7'-6" AFF)
[Symbol]	DUPLEX RECEPTACLE (@ 6" ABOVE COUNTER)	[Symbol]	FIRE ALARM AUDIBLE DEVICE (CEILING MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (GFI TYPE @ 6" ABOVE COUNTER)	[Symbol]	FIRE ALARM VISUAL DEVICE (CEILING MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (USB TYPE @ 6" ABOVE COUNTER)	[Symbol]	FIRE ALARM AUDIBLE/VISUAL DEVICE (CEILING MOUNTED)
[Symbol]	QUAD RECEPTACLE (WALL MOUNTED @ 18" AFF)	[Symbol]	SMOKE DETECTOR (WALL MOUNTED)
[Symbol]	QUAD RECEPTACLE (GFI TYPE @ 18" AFF)	[Symbol]	SMOKE DETECTOR (CEILING MOUNTED)
[Symbol]	QUAD RECEPTACLE (USB TYPE @ 18" AFF)	[Symbol]	SMOKE DETECTOR (DUCT MOUNTED)
[Symbol]	QUAD RECEPTACLE (@ 6" ABOVE COUNTER)	[Symbol]	HEAT DETECTOR (WALL MOUNTED)
[Symbol]	QUAD RECEPTACLE (GFI TYPE @ 6" ABOVE COUNTER)	[Symbol]	HEAT DETECTOR (CEILING MOUNTED)
[Symbol]	QUAD RECEPTACLE (USB TYPE @ 6" ABOVE COUNTER)	[Symbol]	REMOTE TEST STATION FOR DUCT MOUNTED DETECTORS (WALL MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (CEILING MOUNTED)	[Symbol]	REMOTE TEST STATION FOR DUCT MOUNTED DETECTORS (CEILING MOUNTED)
[Symbol]	DUPLEX RECEPTACLE (FLOOR MOUNTED)	[Symbol]	FIRE ALARM TAMPER SWITCH
[Symbol]	QUADPLEX RECEPTACLE (CEILING MOUNTED)	[Symbol]	FIRE ALARM PRESSURE SWITCH
[Symbol]	QUADPLEX RECEPTACLE (FLOOR MOUNTED)	[Symbol]	FIRE ALARM FLOW SWITCH
[Symbol]	DUPLEX REC/DATA COMBINATION (FLOOR MOUNTED)	[Symbol]	FIRE / SMOKE DAMPER
[Symbol]	QUADPLEX REC/DATA COMBINATION (FLOOR MOUNTED)	[Symbol]	PRESSURE INDICATING VALVE
[Symbol]	MULTI-PHASE RECEPTACLE (AS NOTED ON PLAN)	[Symbol]	SECURITY CARD READER
[Symbol]	JUNCTION BOX (WALL MTD)	[Symbol]	SECURITY KEY PAD
[Symbol]	JUNCTION BOX (CEILING)	[Symbol]	ADDRESSABLE INTERFACE UNIT (MONITOR OR CONTROL TYPE)
[Symbol]	JUNCTION BOX (FLOOR MOUNTED)	[Symbol]	CCTV CAMERA (WALL MOUNTED)
[Symbol]	PHONE OR DATA OUTLET (WALL MOUNTED @ 18" AFF)	[Symbol]	CCTV CAMERA (CEILING MOUNTED)
[Symbol]	PHONE OR DATA OUTLET (MTD ABOVE COUNTER)	[Symbol]	SURGE PROTECTION DEVICE
[Symbol]	PHONE OR DATA OUTLET (FLOOR MOUNTED)	[Symbol]	SPEAKER (WALL MOUNTED)
[Symbol]	PUSH BUTTON CONTROL	[Symbol]	SPEAKER (CEILING MOUNTED)
[Symbol]	LIGHT SWITCH, SINGLE POLE	[Symbol]	WI-FI ACCESS POINT (CEILING MOUNTED)
[Symbol]	LIGHT SWITCH, 3 WAY TYPE	[Symbol]	CABLE TRAY
[Symbol]	LIGHT SWITCH, 4 WAY TYPE	[Symbol]	ELECTRICAL METERING DEVICE
[Symbol]	LIGHT SWITCH, AUTOMATIC (CONNECT TO LCS)	[Symbol]	ELECTRICAL UTILITY METER & C/T CABINET
[Symbol]	LIGHT SWITCH, DIMMER TYPE	[Symbol]	PANELBOARD (SURFACE MOUNTED)
[Symbol]	LIGHT SWITCH, DIGITALLY TIMED (0-30 MINUTES)	[Symbol]	PANELBOARD (RECESS MOUNTED)
[Symbol]	MOTOR RATED SNAP SWITCH IN NEMA 1 ENCLOSURE	[Symbol]	CONTROL PANEL (SURFACE MOUNTED)
[Symbol]	LOWER CASE SUBSCRIPT INDICATES SWITCH-LEG	[Symbol]	CONTROL PANEL (RECESS MOUNTED)
[Symbol]	MULTI-LEVEL SWITCHING CONFIGURATION	[Symbol]	DISCONNECT SWITCH, (REFER TO EQUIPMENT CONNECTION SCHEDULE)
[Symbol]	PHOTOCELL LIGHTING CONTROL	[Symbol]	DISCONNECT SWITCH, (NON PROTECTED)
[Symbol]	OCCUPANCY SENSOR (CEILING MOUNTED)	[Symbol]	MOTOR CONNECTION (AS NOTED)
[Symbol]	OCCUPANCY SENSOR (WALL MOUNTED)	[Symbol]	HANDHOLE
[Symbol]	LIGHTING CONTROL CALLOUT (REFER TO SCHEDULE)	[Symbol]	REMOTE FEED-THRU GFCI DEVICE WITH INDICATOR LIGHT. (NO RECEPTACLE)
[Symbol]	CONDUIT CALLOUT (# INDICATES DIAMETER)		
[Symbol]	KITCHEN EQUIPMENT CALLOUT (REFER TO SCHEDULE)		
[Symbol]	KEY NOTE CALLOUT (REFER TO KEY NOTES ON SHEET)		

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SEAL
 SOUTH CAROLINA
 PROFESSIONAL ENGINEER
 BELKA ENGINEERING ASSOC. INC
 No. 2816
 No. 000953
 STATE OF SOUTH CAROLINA
 05-01-18

PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM RENOVATION
 Carolina Coliseum
 650 Park Street
 Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

DRAWN BY:	JJS
CHECKED BY:	CES

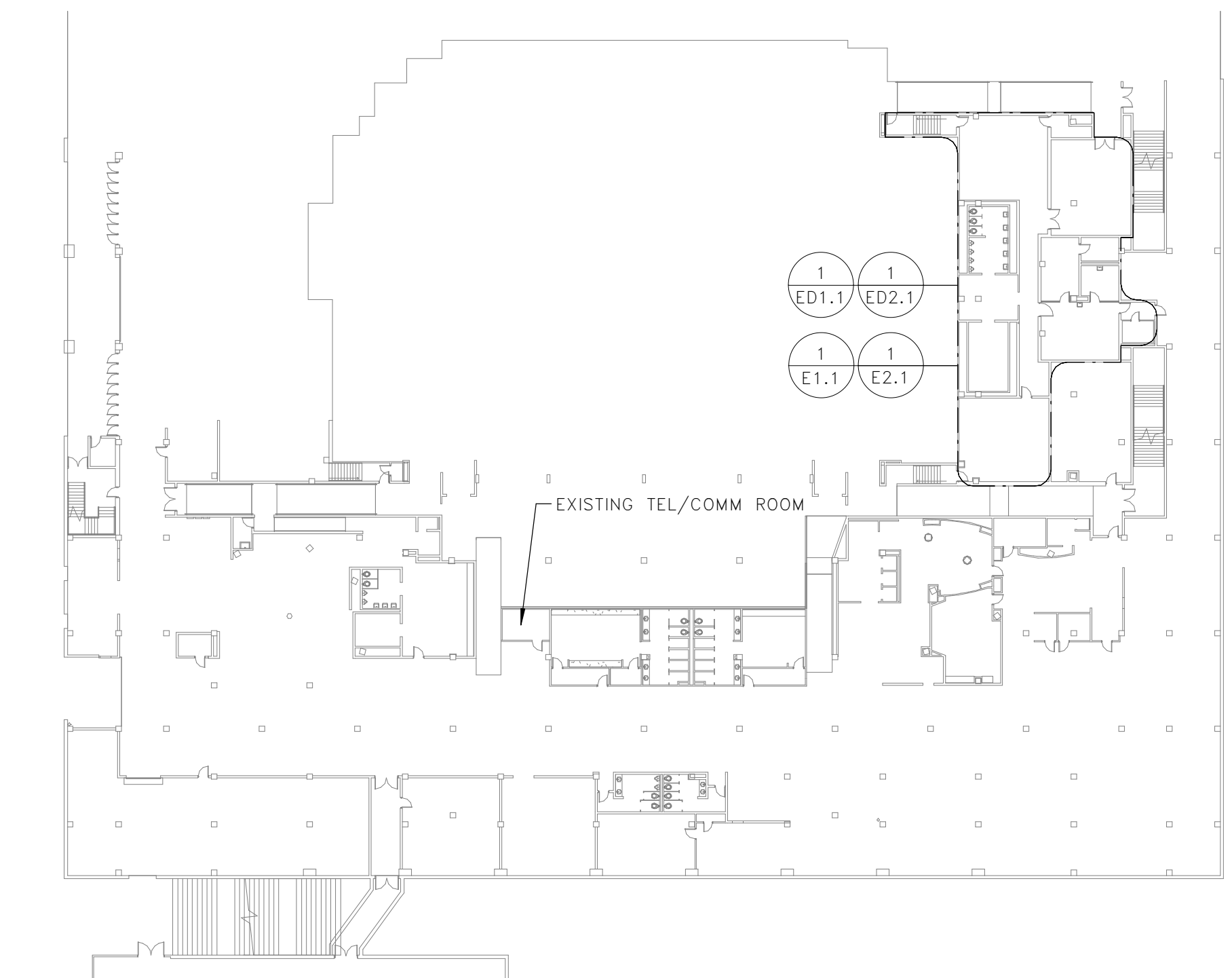
PROJECT NO. DATE

ELECTRICAL NOTES & LEGENDS

DRAWING TITLE

DRAWING NO. DATE

E0.1



1 PARTIAL GROUND FLOOR PLAN
 E0.1 SCALE: 1" = 40'-0"

#	SHEET NAME
E0.1	ELECTRICAL NOTES & LEGENDS
E0.2	LIGHTING & EQUIPMENT SCHEDULES
E0.3	ELECTRICAL ONE-LINE DIAGRAM
E0.4	ELECTRICAL PANEL SCHEDULES
E1.1	LIGHTING RENOVATION PLAN
E2.1	POWER/SYSTEMS RENOVATION PLAN
ED1.1	LIGHTING DEMOLITION PLAN
ED2.1	POWER/SYSTEMS/MECHANICAL POWER DEMOLITION PLAN

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EQUIPMENT CONNECTION SCHEDULE						
UNIT I.D.	ELECTRICAL					NOTES
	VOLTS	# OF POLES	AMPS	NEMA	LOAD (VA)	
AHU-1	480 V	3	30 A	M	3991	1,2
AHU-1 HEATING COIL	480 V	3	30 A	M	17000	1,2
SF-1	277 V	2	30 A	M	1912	1,2
V-1-1	480 V	3	30 A	M	10642	1,2
V-1-2	480 V	3	30 A	M	4490	1,2
V-1-3	277 V	2	30 A	M	2327	1,2
V-1-4	480 V	3	30 A	M	5986	1,2

EQUIPMENT CONNECTION SCHEDULE NOTES

- ALL SWITCHES SHALL BE GENERAL DUTY TYPE, FUSIBLE UNLESS NOTED WITH "NF" (NON-FUSIBLE).
- "M" DENOTES DISCONNECT SWITCH INTEGRAL WITH MECHANICAL EQUIPMENT.
- PROVIDE RECEPTACLE AS INDICATED.

LIGHT FIXTURE SCHEDULE										
SYMBOL	TYPE	FIXTURE SPECIFICATIONS			LAMPING	ELECTRICAL		MOUNTING	REMARKS	NOTES
		DESCRIPTION	MANUFACTURER	CAT. #		FIXT. LOAD	VOLTS			
	AF	4' LINEAR SLOT FIXTURE, FLANGE	NULITE	RF2 06L35 UNV D 1C FRF WH 4'	LED, 2,900 LUMENS, 3500K	26	277 V		RECESSED	
	AFE	SAME AS FIXTURE "AF" EXCEPT WITH BATTERY	NULITE	RF2 06L35 UNV D 1C FRF WH 4' EMG	LED, 2,900 LUMENS, 3500K	26	277 V		RECESSED	
	AG	4' LINEAR SLOT FIXTURE, GRID	NULITE	RG2 06L35 UNV D 1C FRF WH 4'	LED, 2,900 LUMENS, 3500K	26	277 V		GRID	
	AGA	12' LINEAR SLOT FIXTURE, GRID	NULITE	RG2 06L35 UNV D 1C FRF WH 12'	LED, 8,780 LUMENS, 3500K	77	277 V		GRID	
	AL1	"L" CONFIGURED LINEAR SLOT FIXTURE, FLANGE	NULITE	RG2 06L35 UNV D 1C FRF WH "L" 8'X12'	LED, 14,650 LUMENS, 3500K	128	277 V		RECESSED	
	BF	4' LINEAR SLOT FIXTURE, FLANGE, LOW OUTPUT	NULITE	RF2 03L35 UNV D 1C FRF WH 4'	LED, 1,570 LUMENS, 3500K	13	277 V		RECESSED	
	BFE	SAME AS FIXTURE "BF" EXCEPT WITH BATTERY	NULITE	RF2 03L35 UNV D 1C FRF WH 4' EMG	LED, 1,570 LUMENS, 3500K	13	277 V		RECESSED	
	BG	4' LINEAR SLOT FIXTURE, GRID, LOW OUTPUT	NULITE	RG2 03L35 UNV D 1C FRF WH 4'	LED, 1,570 LUMENS, 3500K	13	277 V		GRID	
	BGE	SAME AS FIXTURE "BG" EXCEPT WITH BATTERY	NULITE	RG2 03L35 UNV D 1C FRF WH 4' EMG	LED, 1,570 LUMENS, 3500K	13	277 V		GRID	
	CC	2'X2' BASKET TYPE GRID FIXTURE	COLUMBIA	LCAT 22-35-MLG-R-ED1-U	LED, 3,400 LUMENS, 3500K	29	277 V		GRID	
	CCE	SAME AS FIXTURE "CC" EXCEPT WITH BATTERY	COLUMBIA	LCAT 22-35-MLG-R-ED1-U-EL L14	LED, 3,400 LUMENS, 3500K	29	277 V		GRID	
	DA	2'X4' FLAT PANEL GRID FIXTURE	COLUMBIA	CFP24-4135	LED, 4,300 LUMENS, 3500K	40	277 V		GRID	
	DAE	SAME AS FIXTURE "DA" EXCEPT WITH BATTERY	COLUMBIA	CFP24-4135-EMG	LED, 4,300 LUMENS, 3500K	40	277 V		GRID	
	DD	2'X2' FLAT PANEL GRID FIXTURE	COLUMBIA	CFP22-3335	LED, 3,300 LUMENS, 3500K	32	277 V		GRID	
	DDE	SAME AS FIXTURE "DD" EXCEPT WITH BATTERY	COLUMBIA	CFP22-3335-EMG	LED, 3,300 LUMENS, 3500K	32	277 V		GRID	
	FF	2' STRIP FIXTURE	COLUMBIA	LCL2-35LW-E-U	LED, 2,700 LUMENS, 3500K	24	277 V		CEILING SURFACE	
	GG	4" DIAMETER DOWNLIGHT, SPECULAR REFLECTOR	LITON	LHALD411C35-D10P1/LRALDASSF062-T35	LED, 1,100 LUMENS, 3500K	13	277 V		RECESSED	
	HH	2" DIAMETER DOWNLIGHT, SPECULAR REFLECTOR	LITON	LHBLD2/LR2LH2-C-T35	LED, 600 LUMENS, 3500K	10	277 V		RECESSED	
	JJ	POOL TABLE PENDANT FIXTURE	EGLO	TERROS EGL577330	LED, 1,350 LUMENS, 3000K	18	120 V		PENDANT	
	KK	2' LINEAR SURFACE FIXTURE	COLUMBIA	LCAT 12-35MW-SM-R-E-U	LED, 2,000 LUMENS, 3500K	18	277 V		CEILING SURFACE	
	KKE	SAME AS FIXTURE "KK" EXCEPT WITH BATTERY	COLUMBIA	LCAT 12-35MW-SM-R-E-U-EL L14	LED, 2,000 LUMENS, 3500K	18	277 V		CEILING SURFACE	
	LL	RECESSED DISPLAY TAPE LIGHT IN MOUNTING TRACK	ACOLYTE	RBHI-24-3.0-35/AR2F	LED, 270 LUMENS/FT, 3500K	3W/FT	120 V		RECESSED IN SHELVING	
	MM	2" DIAMETER DOWNLIGHT, BLACK REFLECTOR	PRIMA	B721H-RD-358-S-BLACK	LED, 1,000 LUMENS, 3500K	18	277 V		RECESSED	
	XX	EXIT SIGN, EDGE LIT, MIRROR BACK WITH BATTERY	LIGHTALARMS	6 UEN RM	LED	3	277 V		CEILING AND END	

LIGHT FIXTURE SCHEDULE NOTES

- LUMENS LISTED IN SCHEDULE REPRESENT DELIVERED LUMENS OF FIXTURES.
- SEE ARCHITECTURAL RCP AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS.
- CONFIRM QUANTITIES OF FIXTURES SHOWN IN RCP MATCH QUANTITIES SHOWN ON ELECTRICAL PLANS PRIOR TO BID. IF NO DISCREPANCIES ARE NOTED PRIOR TO BID THE HIGHEST QUANTITY OF EACH FIXTURE TYPE SHOWN SHALL BE PROVIDED.

LIGHTING CONTROL SCHEME LEGEND

MARK	MANUAL / WALL STATION(S)	MULTI-LEVEL SWITCHED/ZONED	OCCUPANCY SENSOR	VACANCY SENSOR	SCHEDULED AUTO-ON	SCHEDULED AUTO-OFF	DAYLIGHT CONTROL		PLUGLOAD CONTROL	NOTES
							DAYLIGHT ON / OFF	DAYLIGHT DIMMED		
1	Yes	No	No	No	No	No	No	No	No	1,2,3
2	Yes	No	No	Yes	No	No	No	No	No	1,3
3	No	No	Yes	No	No	No	No	No	No	1,3

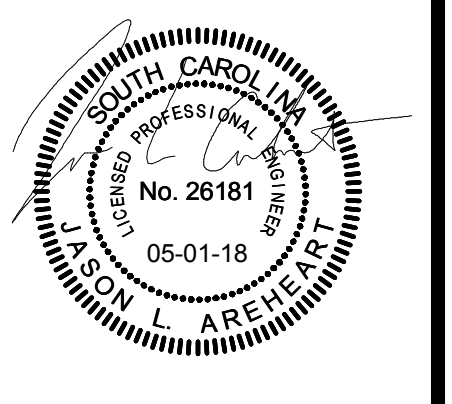
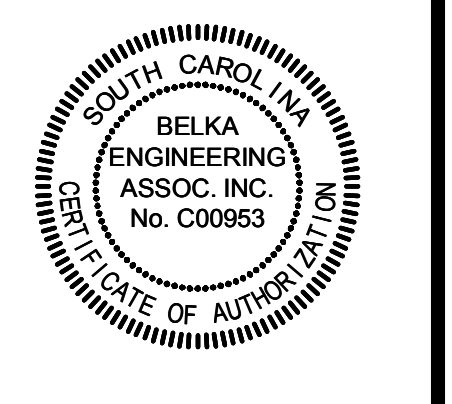
LIGHTING CONTROL SCHEME NOTES

- MANUAL WALL SWITCH SHALL BE PART OF THE LIGHTING CONTROL SYSTEM. REFER TO PLANS FOR MANUAL WALL STATION LOCATION(S) IN EACH SPACE.
- NO AUTOMATIC CONTROL SHALL BE UTILIZED IN THIS SPACE FOR SAFETY CONCERNS. LIGHTING SHALL BE ROUTED THROUGH LIGHTING CONTROL SYSTEM FOR MONITORING PURPOSES ONLY.
- ROOMS WITH DIMMING TYPE SWITCHES SHOWN IN PLAN WILL REQUIRE DIMMING CONTROL.



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DRAWN BY: JJS
CHECKED BY: CES

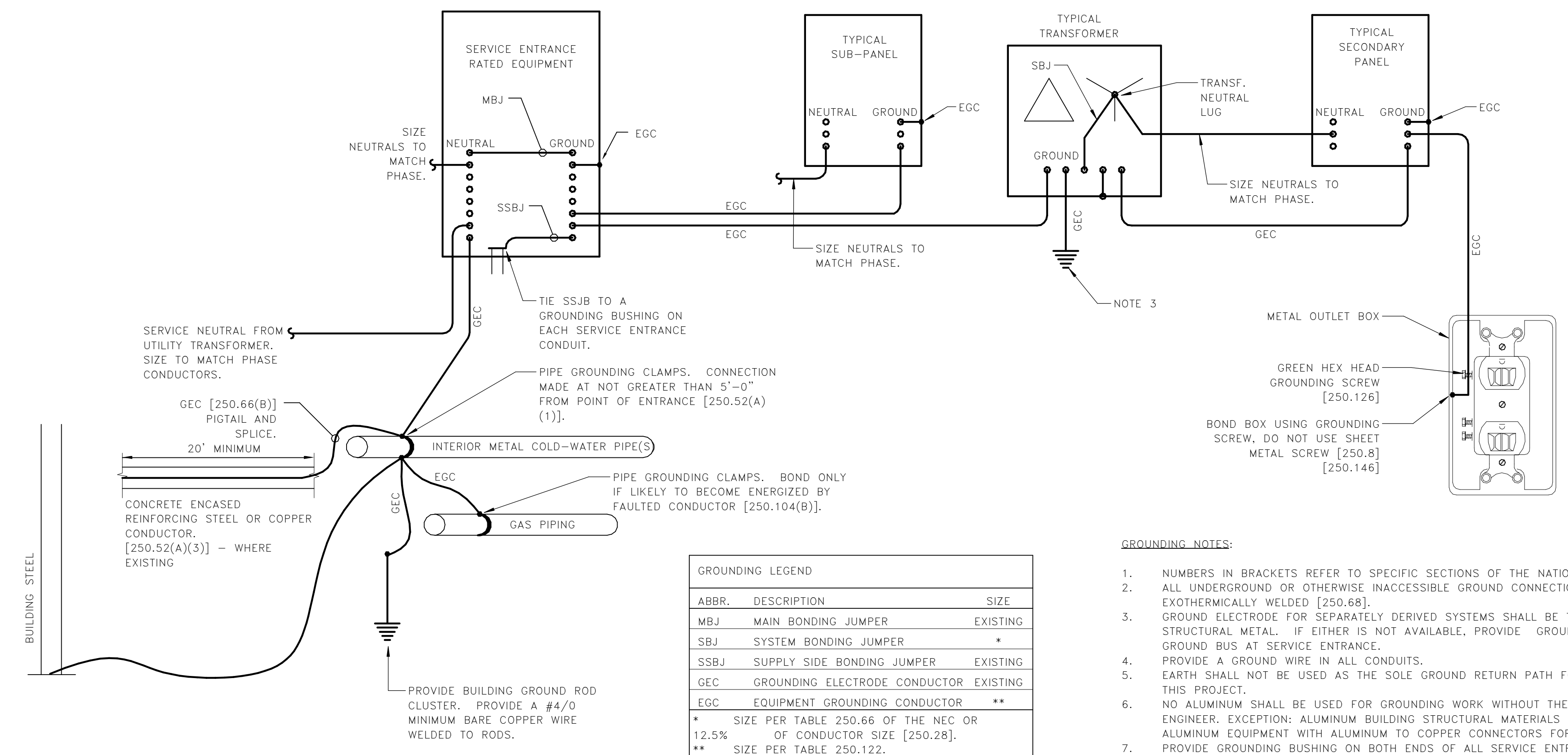
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DRAWING TITLE
LIGHTING & EQUIPMENT SCHEDULES

PROJECT NO. 147117
DATE 08-01-18
DRAWING NO. **E0.2**

CONDUIT COLOR SCHEDULE	
NORMAL POWER	SILVER
CRITICAL POWER	ORANGE
(HVAC) EQUIPMENT POWER	GREEN
LIFE SAFETY POWER	YELLOW
HVAC SAFETY CONTROLS	SILVER
COMMUNICATION SYSTEM	BLACK
FIRE ALARM SYSTEM	RED

DIAGRAM PROVIDES OVERALL VIEW OF BUILDING GROUNDING SYSTEM. EQUIPMENT SHALL BE GROUNDED BASED ON ITS PORTION OF THIS DIAGRAM.



ABBR.	DESCRIPTION	SIZE
MBJ	MAIN BONDING JUMPER	EXISTING
SBJ	SYSTEM BONDING JUMPER	*
SSBJ	SUPPLY SIDE BONDING JUMPER	EXISTING
GEC	GROUNDING ELECTRODE CONDUCTOR	EXISTING
EGC	EQUIPMENT GROUNDING CONDUCTOR	**

* SIZE PER TABLE 250.66 OF THE NEC OR 12.5% OF CONDUCTOR SIZE [250.28].
 ** SIZE PER TABLE 250.122.

- GROUNDING NOTES:**
- NUMBERS IN BRACKETS REFER TO SPECIFIC SECTIONS OF THE NATIONAL ELECTRICAL CODE.
 - ALL UNDERGROUND OR OTHERWISE INACCESSIBLE GROUND CONNECTIONS AND SPLICES SHALL BE EXOTHERMICALLY WELDED [250.68].
 - GROUND ELECTRODE FOR SEPARATELY DERIVED SYSTEMS SHALL BE THE NEAREST METAL WATER PIPE OR STRUCTURAL METAL. IF EITHER IS NOT AVAILABLE, PROVIDE GROUNDING CONDUCTOR BACK TO MAIN GROUND BUS AT SERVICE ENTRANCE.
 - PROVIDE A GROUND WIRE IN ALL CONDUITS.
 - EARTH SHALL NOT BE USED AS THE SOLE GROUND RETURN PATH FOR ANY EQUIPMENT POWERED UNDER THIS PROJECT.
 - NO ALUMINUM SHALL BE USED FOR GROUNDING WORK WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. EXCEPTION: ALUMINUM BUILDING STRUCTURAL MATERIALS SHALL BE BONDED WITH LISTED ALUMINUM EQUIPMENT WITH ALUMINUM TO COPPER CONNECTORS FOR ROUTING COPPER EGC'S.
 - PROVIDE GROUNDING BUSHING ON BOTH ENDS OF ALL SERVICE ENTRANCE RACEWAYS. SIZE AS A GEC [250.60]. THIS INCLUDES RIGID STEEL ELBOWS ON PVC CONDUIT.
 - ALL METAL ENCLOSURES AND RACEWAYS SHALL BE BONDED TO GROUND [250.86]. FOR CIRCUITS OVER 250V PROVIDE BOND PER [250.97]. STANDARD LOCKNUTS ARE NOT ACCEPTABLE.
 - PROVIDE EGC CONNECTED TO ANY JUNCTION BOX WHERE SPLICE IS MADE [250.148] OR WHERE A DEVICE IS INSTALLED.
 - PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].

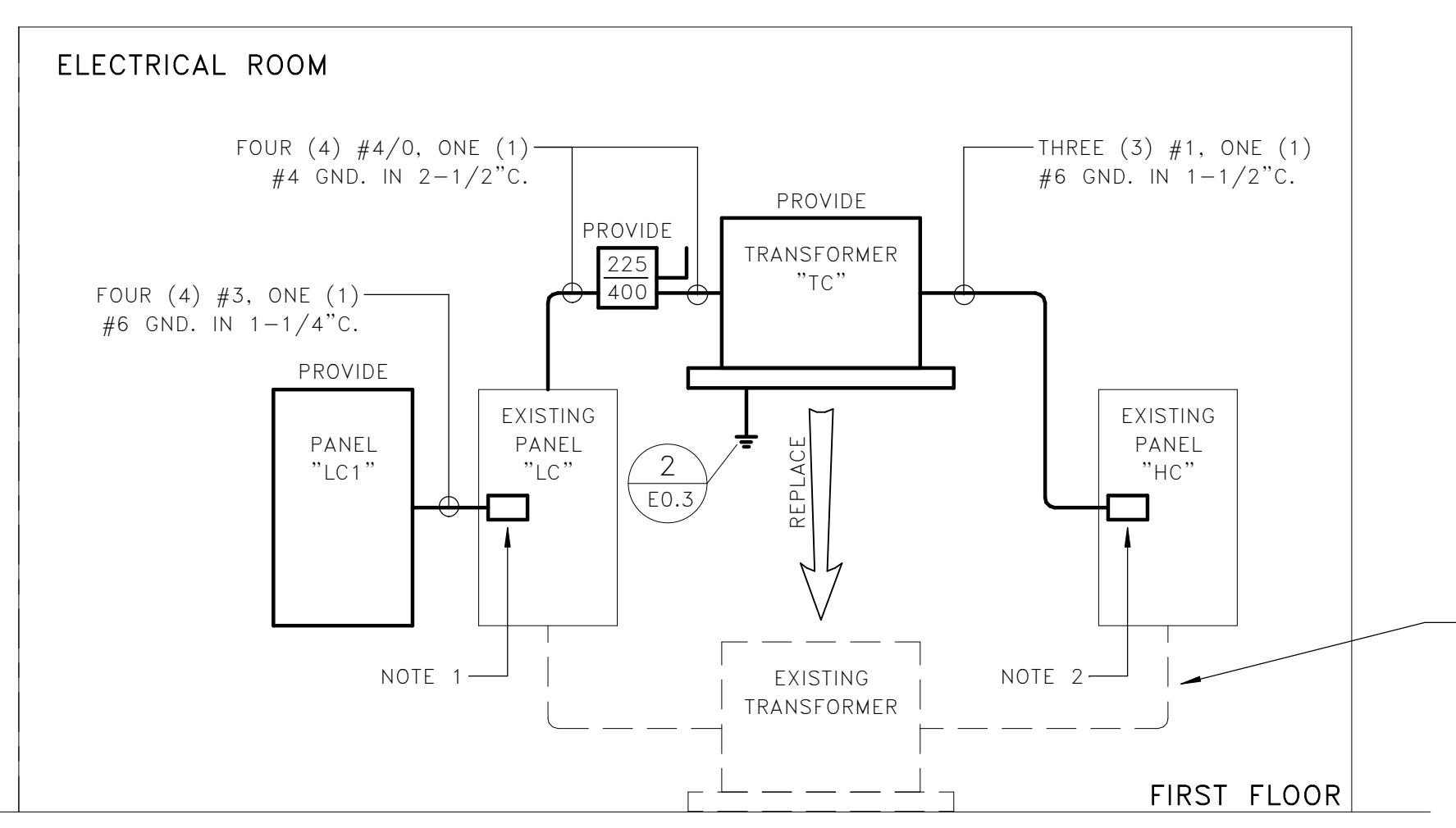
2 GROUNDING DETAIL
E0.3 NOT TO SCALE

ELECTRICAL ONE-LINE DIAGRAM NOTES:

- PROVIDE 100A, 3 POLE BREAKER TO FEED PANEL "LC1". REARRANGE BREAKERS IN "LC" OR RELOCATE EXISTING LOADS AS NEEDED TO PANEL "LC1" TO ACCOMMODATE BREAKER. EXISTING PANEL IS A WESTINGHOUSE "NDB" TYPE.
- REPLACE EXISTING 70 AMP, 3 POLE BREAKER (SPACES 32,34, & 36) SERVING EXISTING TRANSFORMER WITH A 125 AMP, 3 POLE BREAKER. EXISTING PANEL IS A WESTINGHOUSE "NHB" TYPE.

TRANSFORMER SCHEDULE				
UNIT I.D.	KVA	# POLES	PRIMARY VOLTAGE	SECONDARY VOLTAGE
TC	75	3	480	120/208

ELECTRICAL DISTRIBUTION SYSTEM							
PANEL	DISTRIBUTION	PHASE	# OF WIRES	MAINS TYPE	AMPERAG E	FED FROM	REMARKS
HC	480 V/3-0	3	4	MCB	225 A	EXISTING	
LC	208 V/3-0	3	4	MLO	225 A	TC	EXISTING
LC1	208 V/3-0	3	4	MLO	100 A	LC	PROVIDE



1 ELECTRICAL ONE-LINE DIAGRAM
E0.3 NOT TO SCALE

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SEAL
 SOUTH CAROLINA ENGINEERING ASSOC. INC. No. C00953
 SEAL
 SOUTH CAROLINA PROFESSIONAL ENGINEERS No. 2610 05-01-18

PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM RENOVATION
 Carolina Coliseum
 660 Park Street
 Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

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DRAWING TITLE
ELECTRICAL ONE-LINE DIAGRAM

PROJECT NO. 147117
 DATE 08-01-18
 DRAWING NO. **E0.3**

EXISTING PANELBOARD: HC		DISTRIBUTION: 480/277 Wye										A.I.C. RATING: EXISTING	
SUPPLIED FROM: EXISTING		PHASES: 3										MAINS RATING: 225 A	
MOUNTING: SURFACE		WIRES: 4										MCB RATING: 225 A	
		ENCLOSURE: Type 1											
WIRE SIZE	CKT	DESCRIPTION	BKR	P	A	B	C	P	BKR	DESCRIPTION	CKT	WIRE SIZE	
1-#12, 1-#10, 1-#12	1	LIGHTING	20	1	2.5	1.3					2		
---	3	EXISTING LOAD	---	---		0.0	1.3		3	20	** AHU-1	4	
---	5	EXISTING LOAD	---	---				0.0	1.3		6		
---	7	EXISTING LOAD	---	---	0.0	5.7					8		
---	9	EXISTING LOAD	---	---		0.0	5.7		3	30	** AHU-1 HEATING COIL	10	
---	11	EXISTING LOAD	---	---			0.0	5.7			12		
---	13	EXISTING LOAD	---	---	0.0	3.5					14		
---	15	EXISTING LOAD	---	---		0.0	3.5		3	20	** V-1-1	16	
---	17	EXISTING LOAD	---	---				0.0	3.5		18		
---	19	EXISTING LOAD	---	---	0.0	1.5					20		
---	21	EXISTING LOAD	---	---		0.0	1.5		3	20	** V-1-2	22	
---	23	EXISTING LOAD	---	---			0.0	1.5			24		
---	25	EXISTING LOAD	---	---	0.0	2.0					26		
---	27	EXISTING LOAD	---	---		0.0	2.0		3	20	** V-1-4	28	
---	29	EXISTING LOAD	---	---			0.0	2.0			30		
---	31	EXISTING LOAD	---	---	0.0	7.4			3	125	** PANEL "LC" VIA XFMR "TC"	32	
---	33	EXISTING LOAD	---	---		0.0	7.3				34	*	
---	35	EXISTING LOAD	---	---			0.0	6.4			36		
---	37	EXISTING LOAD	---	---	0.0	0.0			---	---	38	---	
1-#12, 1-#10, 1-#12	39	** SF-1	20	1			1.9	0.0	---	---	40	---	
1-#12, 1-#10, 1-#12	41	** V-1-3	20	1			2.3	0.0	---	---	42	---	
TOTAL PER PHASE KVA:					23.7	23.2	22.7	ADD. CONNECTED KVA:					69.7
TOTAL PER PHASE AMPACITY:					86	84	82	ADD. CONNECTED AMPS:					84

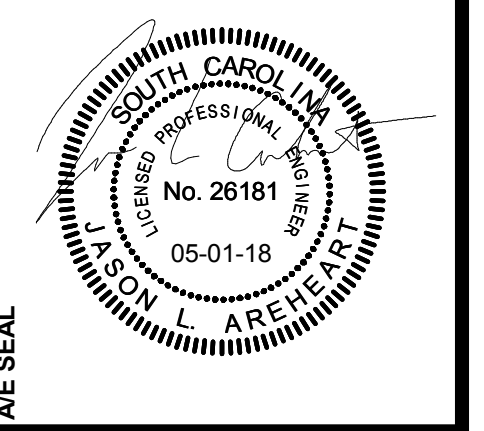
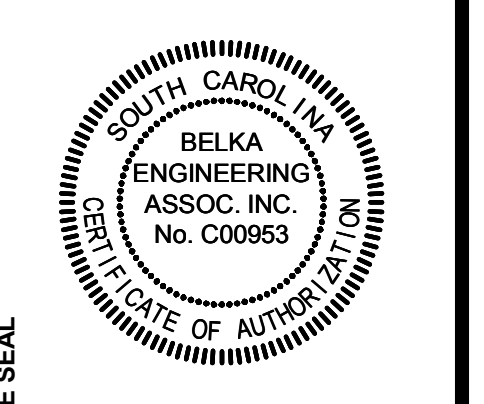
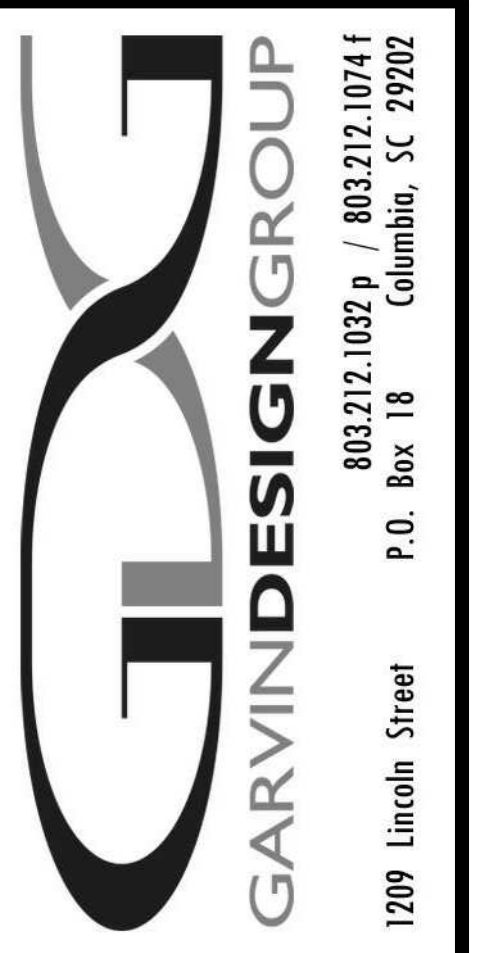
NOTES:
 * COORDINATE FEEDER SIZE WITH SINGLE LINE DIAGRAM
 ** ELECTRICAL CONTRACTOR SHALL PROVIDE BREAKER

PANELBOARD: LC1		DISTRIBUTION: 120/208 Wye										A.I.C. RATING: 10,000	
SUPPLIED FROM: LC		PHASES: 3										MAINS RATING: 100 A	
MOUNTING: SURFACE		WIRES: 4										MCB RATING: MAIN LUGS ONLY	
		ENCLOSURE: Type 1											
WIRE SIZE	CKT	DESCRIPTION	BKR	P	A	B	C	P	BKR	DESCRIPTION	CKT	WIRE SIZE	
1-#12, 1-#10, 1-#12	1	PROJECTOR/RECEPTACLES - FILM ROOM	20	1	0.5	0.9			1	20	RECEPTACLES - NUTRITION/STORAGE	2	
1-#12, 1-#10, 1-#12	3	RECEPTACLES - FILM ROOM	20	1		0.7	0.7		1	20	RECEPTACLES/TV - NUTRITION	4	
1-#12, 1-#10, 1-#12	5	RECEPTACLE - AV	20	1			0.4	1.6	1	20	COOLER - NUTRITION	6	
1-#12, 1-#10, 1-#12	7	RECEPTACLE - AV	20	1	0.4	1.6			1	20	FREEZER - NUTRITION	8	
1-#12, 1-#10, 1-#12	9	RECEPTACLES/TV - CORRIDOR	20	1		0.7	1.6		1	20	FRIDGE - NUTRITION	10	
1-#12, 1-#10, 1-#12	11	RECEPTACLES - CHAPLAIN	20	1			0.7	0.2	1	20	MICROWAVE - NUTRITION	12	
1-#12, 1-#10, 1-#12	13	RECEPTACLES - TEAM STUDY	20	1	1.3	0.2			1	20	MICROWAVE - NUTRITION	14	
1-#12, 1-#10, 1-#12	15	RECEPTACLES - LOCKERS	20	1		0.7	1.0		1	20	ICE MACHINE - NUTRITION	16	
1-#12, 1-#10, 1-#12	17	RECEPTACLES - LOCKERS	20	1			0.9	1.0	1	30	DISHWASHER - NUTRITION	18	
1-#12, 1-#10, 1-#12	19	RECEPTACLES - LOCKERS	20	1	0.9	0.9			1	20	RECEPTACLES/TV - MEN'S LOUNGE	20	
1-#12, 1-#10, 1-#12	21	RECEPTACLES - LOCKERS	20	1		0.9	0.7		1	20	RECEPTACLES - MEN'S LOUNGE	22	
1-#12, 1-#10, 1-#12	23	RECEPTACLES - RESTROOM/VESTIBULE	20	1			0.9	0.5	1	20	RECEPTACLES/TV - MEN'S LOUNGE	24	
1-#12, 1-#10, 1-#12	25	RECEPTACLES - CORRIDOR COUNTER	20	1	0.7	0.1			1	20	LTC - SHELF LED TAPE/POOL TABLE PENDANT	26	
1-#12, 1-#10, 1-#12	27	BLENDER - NUTRITION	20	1		0.2	0.0		1	20	SPARE	28	
1-#12, 1-#10, 1-#12	29	BLENDER - NUTRITION	20	1			0.2	0.0	1	20	SPARE	30	
TOTAL PER PHASE KVA:					7.4	7.3	6.4	CONNECTED KVA:					21.1
TOTAL PER PHASE AMPACITY:					63	62	53	CONNECTED AMPACITY:					59

NOTES:

GENERAL PANEL SCHEDULE NOTES

- FIELD VERIFY EXISTING LOAD SERVED BY EACH BRANCH AND CLEARLY LABEL IN PANELBOARD SCHEDULES.
- CIRCUITS INDICATED TO FEED NEW LIGHTING AND ELECTRICAL DEVICES ARE DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING EXISTING BREAKERS WHERE ADDITIONAL SPACE IS NEEDED BUT AVAILABLE.
- EXISTING BREAKERS SHOWN IN PANEL SCHEDULES ARE FOR REFERENCE ONLY.



PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM RENOVATION
 Carolina Coliseum
 650 Park Street
 Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

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DRAWING TITLE
ELECTRICAL PANEL SCHEDULES

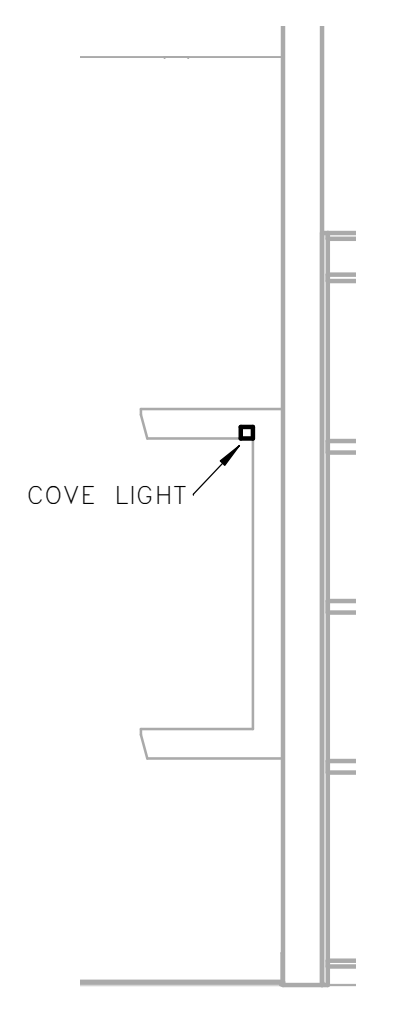
PROJECT NO. 14/1717
 DATE 05-01-18
 DRAWING NO. **E0.4**

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LIGHT FIXTURE PLAN KEY
 SHADING INDICATES EMERGENCY FIXTURE SUPPLIED WITH EMERGENCY BATTERY PACK

CE	d	=	UPPERCASE LETTER / LETTERS INDICATE FIXTURE TYPE
d		=	LOWERCASE LETTER INDICATES SWITCH IDENTIFICATION
NL	A-9	=	INDICATES NON SWITCHED "NIGHT LIGHT"
		=	DESIGNATES PANEL NAME - CIRCUIT NUMBER

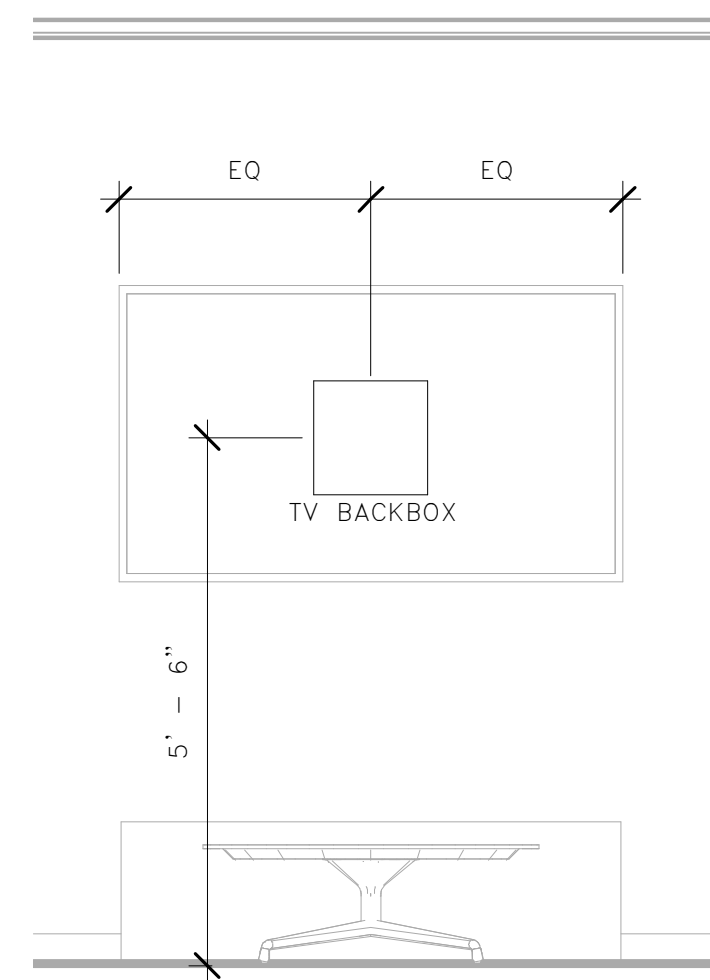
NOTE:
 ALL "EM" FIXTURES INDICATED IN PLAN CONTAIN EMERGENCY BALLASTS. ALL EMERGENCY BALLAST FIXTURES REQUIRE AN EXTRA CONSTANT POWER CONDUCTOR TO BE CONNECTED TO THE EMERGENCY BALLAST FOR CHARGING. CONDUCTOR MUST NOT BE CONTROLLED BY ANY LIGHTING SYSTEM OR HAVE POWER INTERRUPTED AT ANY TIME. "NL" FIXTURES SHALL HAVE ABSOLUTELY NO LIGHTING CONTROL & SHALL BE OPERATIONAL AT ALL TIMES.
 IN BOTH CASES "EM" & "NL", WHERE UTILITY POWER SHOULD FAIL, FIXTURES SHALL REMAIN OPERATIONAL FOR A MINIMUM 90 MINUTES @ 1400 LUMENS.
LIGHT CONTROL SCHEME
 LIGHTING CONTROL SYMBOL (DIAMOND WITH NUMBER) CORRELATES WITH DESIRED CONTROL SCHEME AS INDICATED IN THE LIGHTING CONTROL SCHEME SCHEDULE



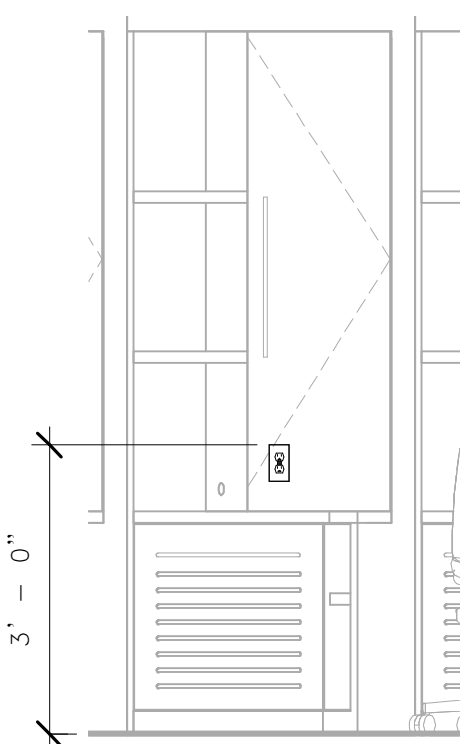
2 SHELF COVE LIGHTING SECTION
 E1.1 SCALE: 1/2" = 1'-0"

1 LIGHTING RENOVATION PLAN
 E1.1 SCALE: 3/16" = 1'-0"

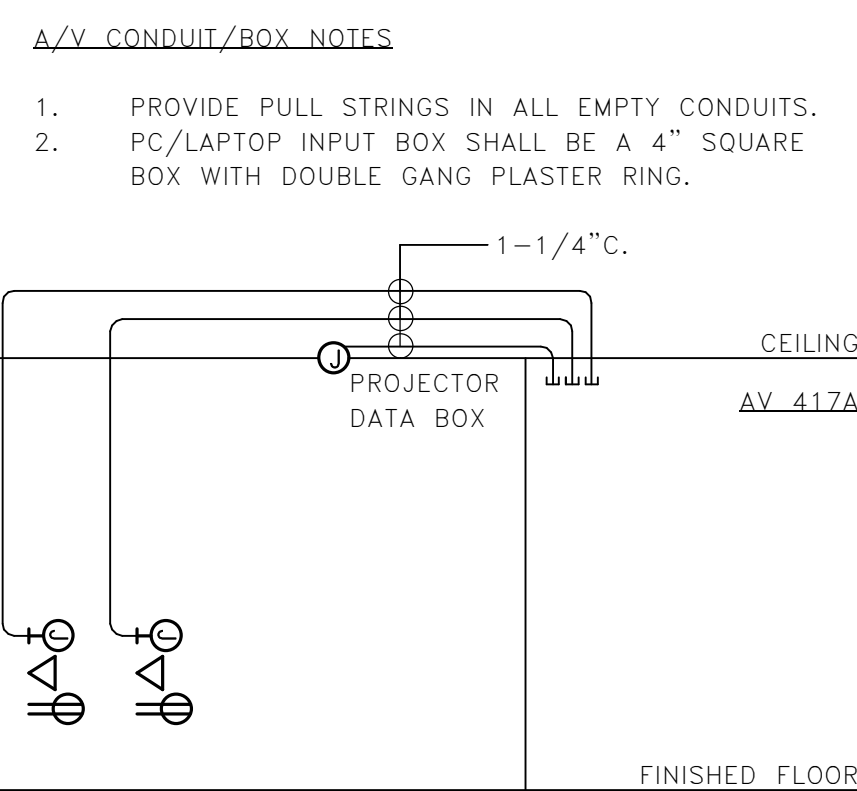




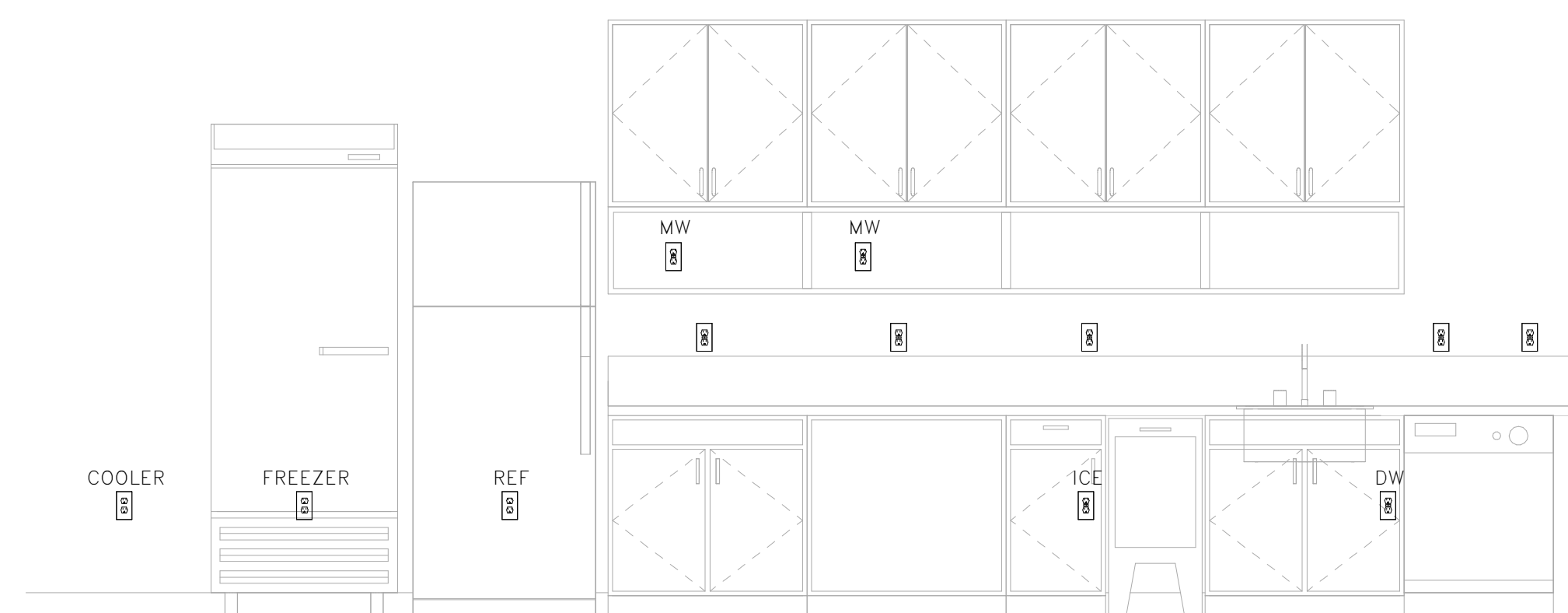
2 TYPICAL TV BACKBOX ELEVATION
E2.1 SCALE: 1/2" = 1'-0"



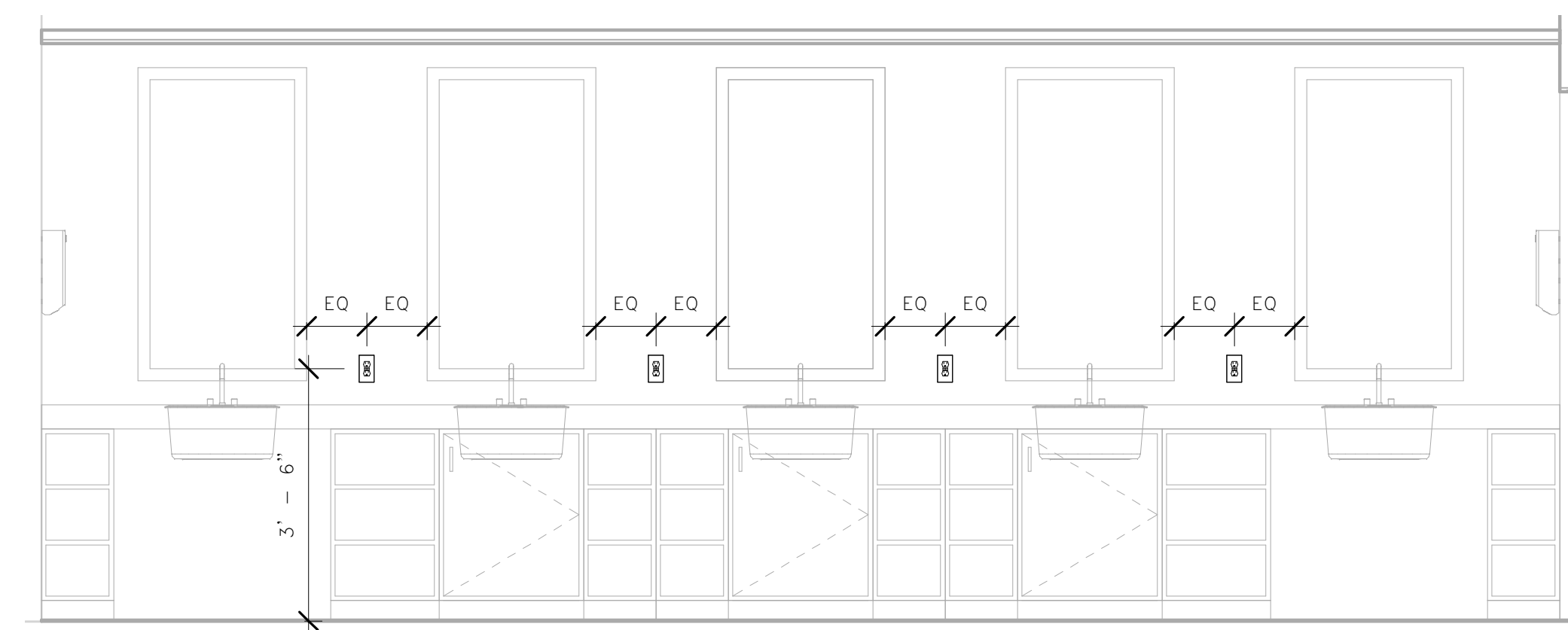
3 TYPICAL LOCKER ELEVATION
E2.1 SCALE: 1/2" = 1'-0"



4 FILM ROOM A/V INFRASTRUCTURE
E2.1 NOT TO SCALE

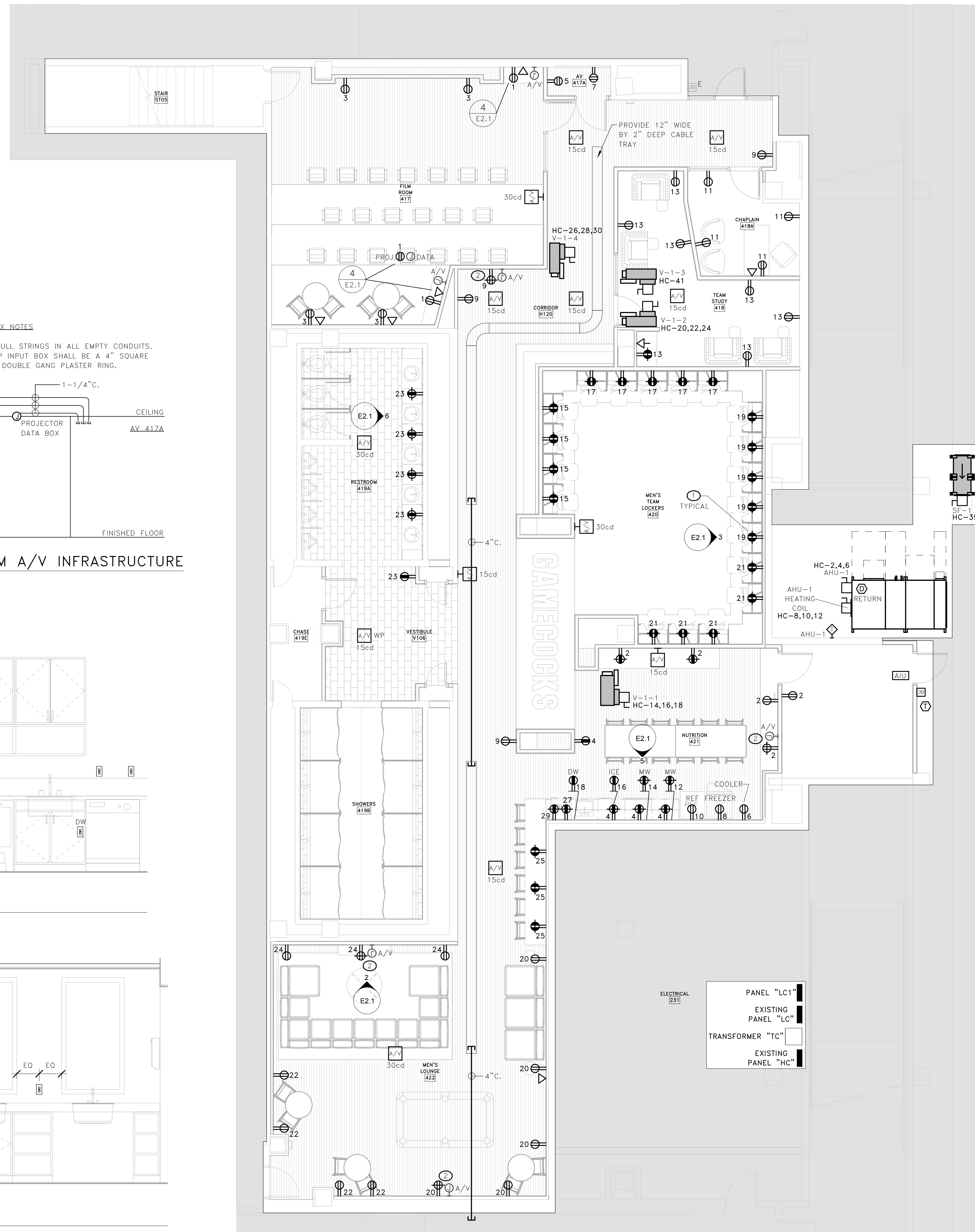


5 NUTRITION ELEVATION
E2.1 SCALE: 1/2" = 1'-0"



6 BATHROOM ELEVATION
E2.1 SCALE: 1/2" = 1'-0"

1 POWER/SYSTEMS/MECHANICAL POWER RENOVATION PLAN
E2.1 SCALE: 3/16" = 1'-0"



KEY NOTES

- COORDINATE MOUNTING HEIGHT AND LOCATION OF LOCKER RECEPTACLE WITH ARCHITECT PRIOR TO ROUGH-IN.
- AT EACH FLAT SCREEN TV LOCATION, PROVIDE ONE FLUSH MOUNTED TV BOX (GIEFF PACS26 OR APPROVED EQUAL). PROVIDE ONE 20 AMP DUPLEX RECEPTACLE IN SIDE PANEL OF BOX. CONTRACTOR SHALL PROVIDE 1" CONDUIT FROM THIS TV LOCATION TO NEAREST CABLE TRAY. COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

GENERAL NOTES

- ALL ELECTRICAL DEVICES ON THIS SHEET SHALL BE FED FROM PANEL "LC1" WITH CIRCUIT NUMBERS SHOWN, UNLESS NOTED OTHERWISE.
- ELECTRICAL CONTRACTOR SHALL LOCATE ALL JUNCTION BOXES AND OTHER ACCESSIBLE ITEMS OVER ADJACENT GRID CEILING AND NOT OVER METAL SLOT CEILING.

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SOUTH CAROLINA BELKA ENGINEERING ASSOCIATES, INC.
Professional Engineer
No. 2610
05-01-18

PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM RENOVATION
Carolina Coliseum
650 Park Street
Columbia, SC 29201

NO.	REVISIONS	NAME	DATE

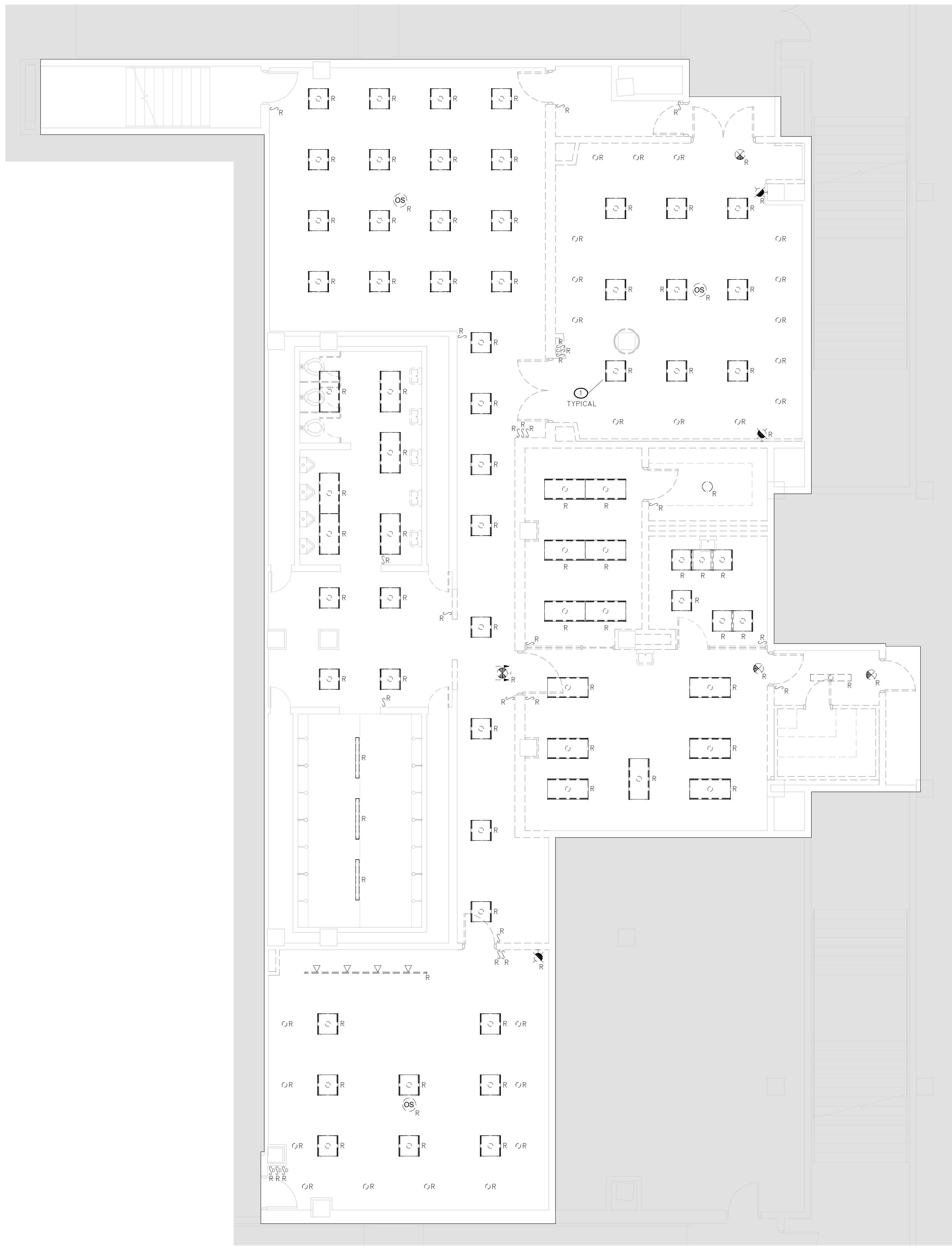
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POWER/SYSTEMS RENOVATION PLAN

PROJECT NO. 18-001-001
DATE 08-01-18
DRAWING NO. **E2.1**

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1 LIGHTING DEMOLITION PLAN
 ED1.1 SCALE: 3/16" = 1'-0"

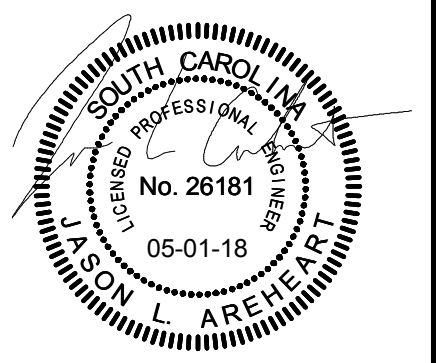
KEY NOTES

1 REMOVE ALL LIGHTING FIXTURES AND TURN OVER TO OWNER.

GENERAL NOTES

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PROJECT TITLE
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 Carolina Coliseum
 660 Park Street
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NO.	REVISIONS	NAME	DATE

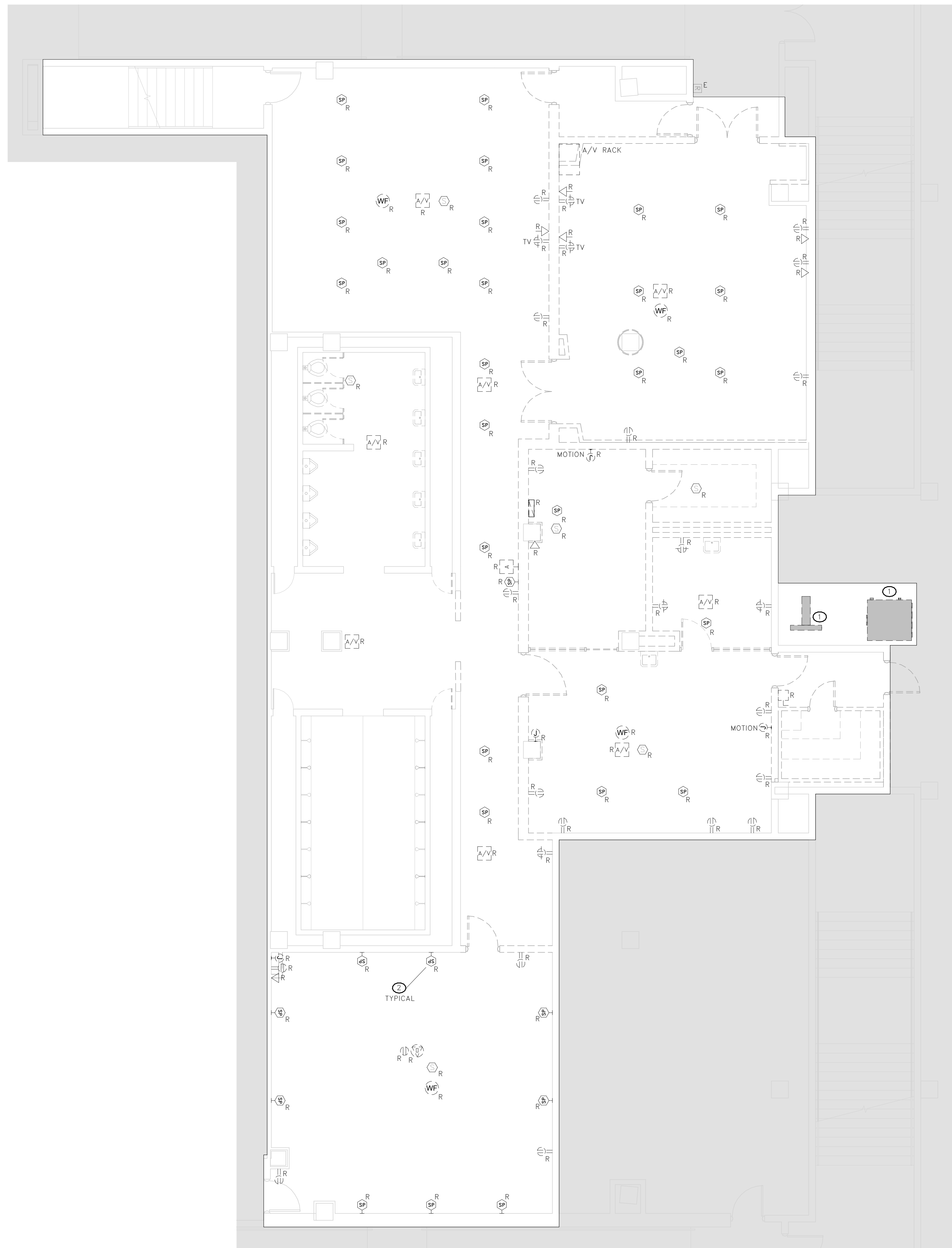
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DRAWING TITLE
LIGHTING DEMOLITION PLAN

PROJECT NO. 14717.17
DATE 05/01/18
DRAWING NO. ED1.1

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1 POWER/SYSTEMS/MECHANICAL POWER DEMOLITION PLAN
ED2.1 SCALE: 3/16" = 1'-0"



KEY NOTES

- 1 ELECTRICAL CONTRACTOR SHALL DISCONNECT UNIT FOR REMOVAL BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL DEMOLISH CIRCUIT BACK TO BRANCH PANEL IN ITS ENTIRETY.
- 2 REMOVE ALL CEILING SPEAKERS AND TURN OVER TO OWNER.

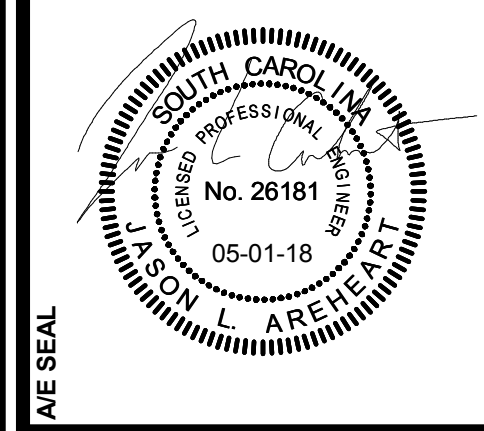
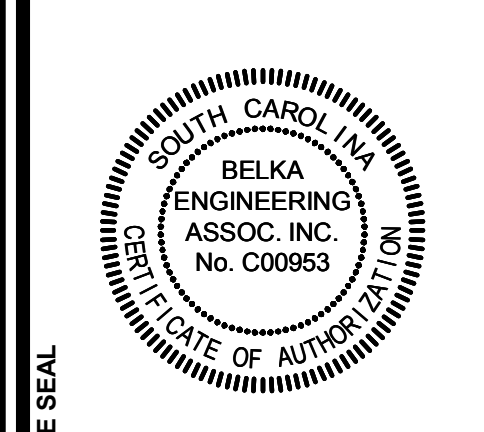
GENERAL NOTES

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PROJECT TITLE
MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM RENOVATION
Carolina Coliseum
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NO.	REVISIONS	NAME	DATE

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DRAWING TITLE
POWER/SYSTEMS/MECHANICAL POWER DEMOLITION PLAN

PROJECT NO. DATE DATE DATE
ED2.1 05/01/18 05/01/18 05/01/18

DRAWING NO.
ED2.1