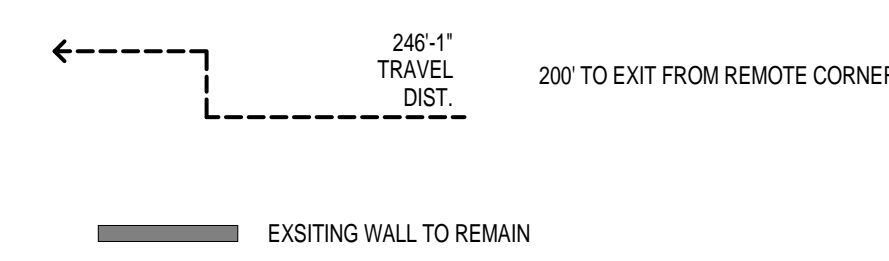


**1 LIFE SAFETY PLAN**  
 X1.1 1/4" = 1'-0" REFERENCED ON: A3.1

**LEGEND - LIFE SAFETY**

- ONE-HOUR FIRE-RATED WALL ASSEMBLY
  - - - TWO-HOUR FIRE-RATED WALL ASSEMBLY
  - · · HALF-HOUR FIRE-RATED WALL ASSEMBLY
  - SEE PARTITION TYPES FOR UL DESIGN NOS.
  - FEC FIRE EXTINGUISHER RECESSED IN WALL CABINET
  - FEC FIRE EXTINGUISHER MOUNTED ON WALL BRACKETS
  - 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" / 4' EGRESS WIDTH PROVIDED AT PASSAGE
  - REQUIRED EGRESS WIDTH AT PASSAGE
  - 23 # OF PEOPLE / DIRECTION OF TRAVEL
  - [9,860 SF = 50P] NET (OR GROSS) SQ. FT. # OF PEOPLE (OCCUPANCY OF SPACE)

**TRAVEL DISTANCE LEGEND**



**GENERAL NOTES - LIFE SAFETY**

1. SEE CODE RELATED INFORMATION ON SHEET T1.1
2. MAXIMUM TRAVEL DISTANCE TO AN EXIT = 300 FEET
3. EXIT SIGNS ARE SHOWN ON ELECTRICAL DRAWINGS
4. COMMON PATH OF TRAVEL = 100 FEET

NO.	REVISIONS	DATE

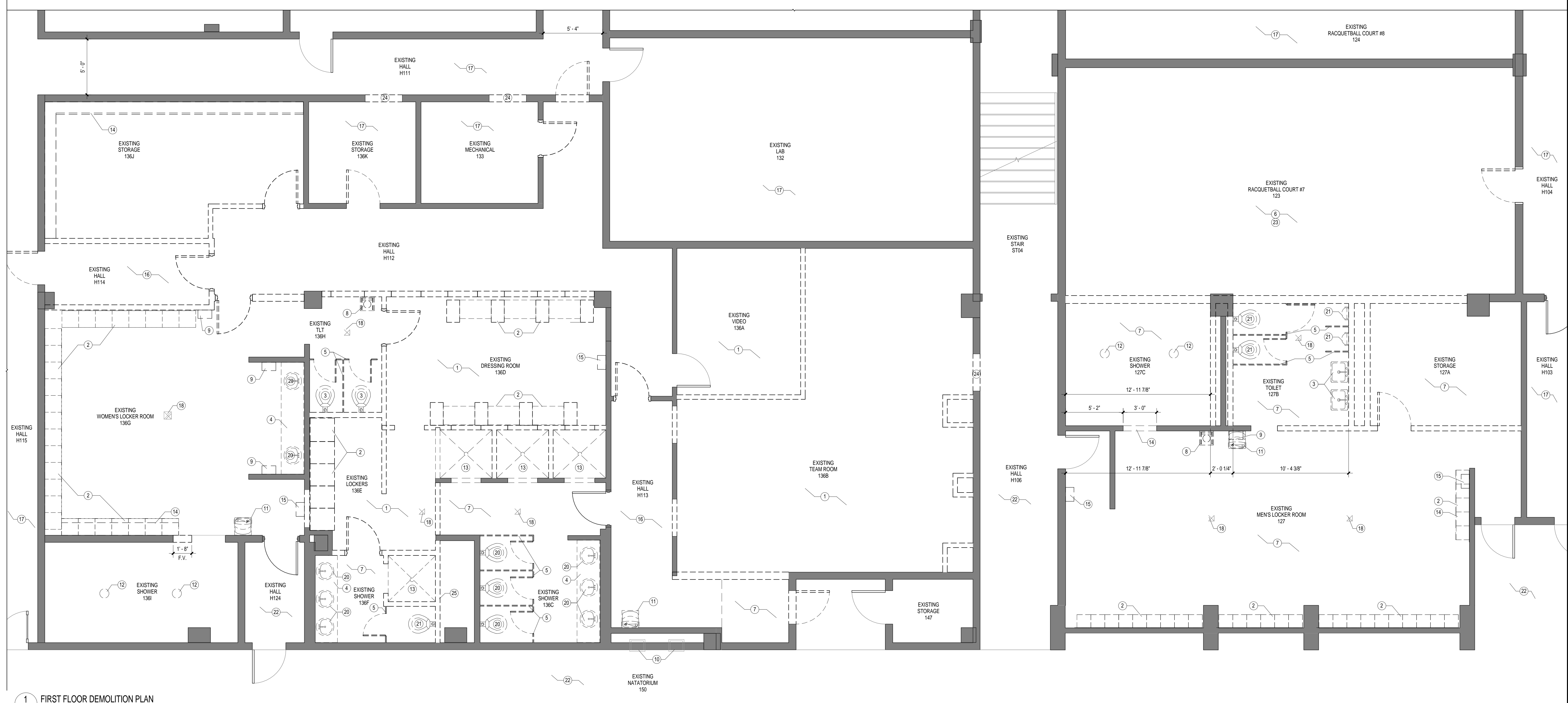
**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z158

NO.	REVISIONS	DATE

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**DRAWING TITLE**  
**LIFE SAFETY PLAN**

**PROJECT NO.** U208.13  
**DATE** 08.02.14  
**DRAWING NO.** X1.1



**1** FIRST FLOOR DEMOLITION PLAN  
 D11 1/4" = 1'-0" REFERENCE: 04\_A31

**LEGEND - DEMOLITION PLAN**

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

**GENERAL NOTES - DEMOLITION 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, GENERAL CONTRACTOR AND SUB-CONTRACTORS. ARE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO CONSTRUCTION/DEMOLITION.
2. PROVIDE AND INSTALL ALL SHORING AND SUPPORT SYSTEMS NECESSARY TO ENSURE EXISTING STRUCTURE TO REMAIN IS STABLE THROUGHOUT DEMOLITION AND NEW CONSTRUCTION.
3. ALL DEMOLITION REQUIRED FOR FUTURE INSTALLATION OF MECHANICAL CHASES AND PIPING TO BE COORDINATED WITH MECHANICAL DRAWINGS, EQUIPMENT SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
4. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED WITHIN THE PROJECT SCOPE.
5. REMOVE ALL EXISTING SPRINKLER PIPING, CONDUIT, MECHANICAL EQUIPMENT, ETC. FROM AREA OF WORK UNLESS NOTED TO REMAIN. CONTACT ARCHITECT IF ANY EXISTING MATERIALS TO BE DEMOLISHED ARE IN QUESTION. SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
6. CONTRACTOR SHALL PHOTOGRAPH ALL SPACES PRIOR TO COMMENCEMENT OF DEMOLITION/NEW WORK TO DOCUMENT PRE-CONSTRUCTION CONDITIONS. PROVIDE ARCHITECT WITH ELECTRONIC COPIES OF PHOTOGRAPHS.
7. CAREFULLY REMOVE ALL "MASONRY INFILL" WALL CONSTRUCTION AS INDICATED ON DEMOLITION PLANS AND ELEVATIONS. REVIEW CONCRETE OPENING CONDITIONS/DETAILS WITH ARCHITECT AND WINDOW AND DOOR SUPPLIER TO ENSURE THAT CONCRETE OPENINGS AND WINDOW INSTALLATION REQUIREMENTS ARE COORDINATED.
8. PROTECT EXISTING FLOORING AND CEILING TO REMAIN THROUGHOUT DEMOLITION AND NEW CONSTRUCTION.
9. SEE ELECTRICAL, MECHANICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE AREAS OF THE EXISTING CONCRETE SLAB TO BE REMOVED.
10. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING EXISTING COLUMNS AND BEAMS. PROTECT ALL EXISTING WALLS, COLUMNS, AND STRUCTURE TO REMAIN.
11. INSTALL SELF-LEVELING FLOOR MATERIAL TO ALL FLOOR AREAS THAT ARE TO BE REMOVED OR TO BE INFILLED WITH NEW SLABS TO ENSURE FLUSH, SMOOTH FINISH FLOOR PLANE CONDITIONS THROUGHOUT RENOVATED BUILDING.
12. CORE DRILLING IN EXISTING SLAB FOR NEW UTILITY SERVICE IS NOT SHOWN ON THIS PLAN. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR REQUIRED UTILITY ROUTING.
13. PROTECT ALL EXISTING WATERPROOFING THROUGHOUT DEMOLITION & NEW CONSTRUCTION. PHOTOGRAPH ANY DISTURBED OR DAMAGED WATERPROOFING AREAS AND NOTIFY ARCHITECT OF CONDITIONS PRIOR TO INSTALLING NEW WORK OR BACKFILLING AREAS.
14. REPAIR BOTTOM OF ALL EXISTING COLUMNS AROUND BASE OR HEAD WHEN SURROUNDING SLAB IS REMOVED. SEE SPECIFICATIONS FOR APPLICABLE SURFACE PREPARATION AND PRODUCTS TO BE UTILIZED FOR PATCHING.

**KEYNOTES - DEMOLITION PLAN**

15. ITEMS TO BE SALVAGED AND REMOVED BY OWNER SHALL BE REMOVED PRIOR TO THE COMMENCEMENT OF WORK.
16. ALL CEILING AND SOFFIT CONSTRUCTION INCLUDING ELECTRICAL, MECHANICAL, FIRE PROTECTION, GYPSUM BOARD, ETC. LOCATED WITHIN AND ABOVE CEILING CONSTRUCTION TO BE REMOVED IN THEIR ENTIRETY UNLESS NOTED OTHERWISE.
17. HAZARDOUS MATERIALS ARE PRESENT IN THE SCOPE OF DEMOLITION/CONSTRUCTION. A REPORT ON THE PRESENCE OF HAZARDOUS MATERIALS IS ON FILE FOR REVIEW. HAZARDOUS MATERIALS SHALL BE REMOVED BY OWNER AND A SCHEDULE FOR THE REMOVAL SHALL BE COORDINATED WITH OWNER AND ARCHITECT.
18. REMOVE ALL EXISTING TOILET ACCESSORIES, U.N.O.

**KEYNOTES - DEMOLITION PLAN**

1. REMOVE EXISTING CARPET COMPLETELY. PREPARE EXPOSED FLOOR FOR NEW FLOORING INSTALLATION.
2. REMOVE EXISTING LOCKERS COMPLETELY. CONCRETE BASE TO REMAIN, U.N.O.
3. REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING.
4. REMOVE EXISTING VANITY COUNTER.
5. REMOVE EXISTING TOILET PARTITIONS.
6. REMOVE EXISTING RAISED FLOOR, INCLUDING ANY EXISTING FLOORING BELOW. PATCH AND FILL EXISTING CONCRETE AS REQUIRED FOR LEVEL SURFACE.
7. REMOVE EXISTING TILE FLOOR AND BASE COMPLETELY. PREPARE EXPOSED CONCRETE FLOOR FOR NEW FLOORING INSTALLATION.
8. REMOVE, STORE AND PROTECT EXISTING SUITMATE FOR FUTURE REINSTALLATION.
9. REMOVE EXISTING ELECTRIC HANDHAIR DRYER.
10. EXISTING DRINKING FOUNTAIN TO REMAIN.
11. REMOVE EXISTING DRINKING FOUNTAIN.
12. REMOVE EXISTING POLE SHOWERS. PATCH AND FILL EXISTING AS REQUIRED FOR LEVEL SURFACE AND PREPARE FOR NEW FLOORING INSTALLATION.
13. REMOVE EXISTING SHOWERS INCLUDING DRAINS, FAUCETS, TILE, ETC.
14. REMOVE EXISTING CONCRETE CURB. PREPARE EXPOSED CONCRETE FLOOR FOR NEW FLOORING INSTALLATION.
15. REMOVE EXISTING AIR PURIFIER AND ASSOCIATED SHELF.
16. REMOVE EXISTING VCT FLOORING. PREPARE EXPOSED FLOOR FOR NEW FLOORING INSTALLATION.
17. EXISTING FLOORING TO REMAIN. PROTECT EXISTING FLOORING THROUGHOUT DEMOLITION/CONSTRUCTION.
18. EXISTING FLOOR DRAIN TO REMAIN. ADJUST AS REQUIRED FOR INSTALLATION IN NEW FLOORING. SEE PLUMBING.
19. REMOVE EXISTING FLOOR DRAIN. SEE PLUMBING.
20. REMOVE, PROTECT, STORE, AND REINSTALL PLUMBING FIXTURE. SEE PLUMBING DWGS.
21. REMOVE, PROTECT, STORE, AND RELOCATE/REINSTALL EXISTING PLUMBING FIXTURE.
22. PROTECT EXISTING POOL DECK AND ADJACENT AREA TILE FLOOR THROUGHOUT DEMOLITION/CONSTRUCTION. CONTRACTOR TO COVER EXISTING FLOOR TO BE AFFECTED WITH PLYWOOD FOR DURATION OF WORK.
23. REMOVE EXISTING WALL PANELS TO ABOVE NEW CEILING. PREPARE EXPOSED WALLS FOR NEW FINISH.
24. SELECTIVE DEMOLITION OF EXISTING BLOCK WALL. TOOTH IN OPENING TO CREATE FINISHED SURFACE FOR INSTALLATION OF NEW DOOR.
25. REMOVE EXISTING WALL AS REQUIRED FOR INSTALLATION/REINSTALLATION OF PLUMBING. SEE PLUMBING.

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DATE	
REVISIONS	
NO.	

**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z168

DATE	
REVISIONS	
NO.	

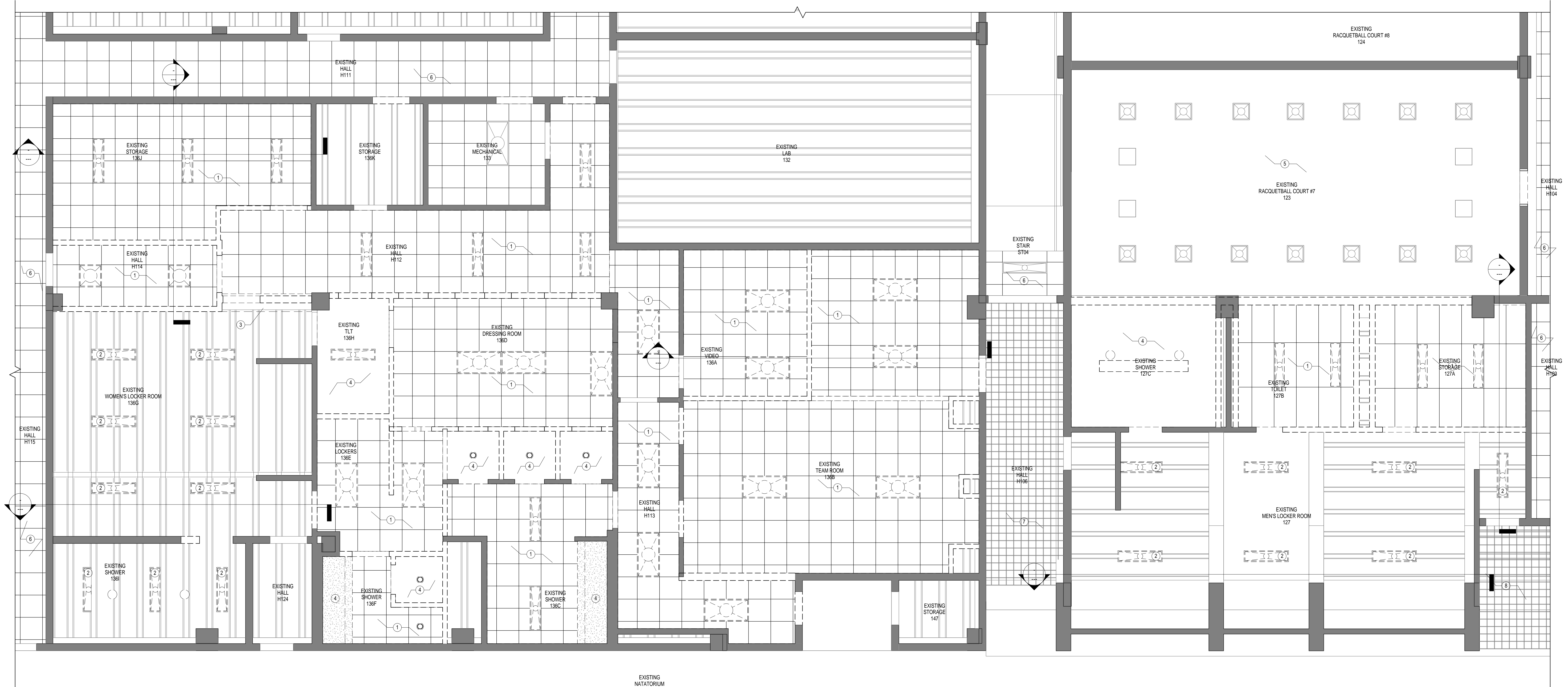
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**DRAWING TITLE**  
**FIRST FLOOR DEMOLITION PLAN**

**PROJECT NO.**  
 U028.13

**DATE**  
 06.02.14

**DRAWING NO.**  
**D1.1**



1 FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN  
D21 1/4" = 1'-0" REFERENCE: A3.1

LEGEND - DEMOLITION PLAN

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

GENERAL NOTES - DEMOLITION 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. GENERAL CONTRACTOR AND SUB CONTRACTORS ARE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO CONSTRUCTION/DEMOLITION.
2. PROVIDE AND INSTALL ALL SHORING AND SUPPORT SYSTEMS NECESSARY TO ENSURE EXISTING STRUCTURE TO REMAIN IS STABLE THROUGHOUT DEMOLITION AND NEW CONSTRUCTION.
3. ALL DEMOLITION REQUIRED FOR FUTURE INSTALLATION OF MECHANICAL CHASES AND PIPING TO BE COORDINATED WITH MECHANICAL DRAWINGS, EQUIPMENT SPECIFICATIONS, AND STRUCTURAL DRAWINGS.
4. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED WITHIN THE PROJECT SCOPE.
5. REMOVE ALL EXISTING SPRINKLER PIPING, CONDUIT, MECHANICAL EQUIPMENT, ETC. FROM AREA OF WORK UNLESS NOTED TO REMAIN. CONTACT ARCHITECT IF ANY EXISTING MATERIALS TO BE DEMOLISHED ARE IN QUESTION. SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
6. CONTRACTOR SHALL PHOTOGRAPH ALL SPACES PRIOR TO COMMENCEMENT OF RENOVATION/NEW WORK TO DOCUMENT PRE-CONSTRUCTION CONDITIONS. PROVIDE ARCHITECT WITH ELECTRONIC COPIES OF PHOTOGRAPHS.
7. CAREFULLY REMOVE ALL "MASONRY INFILL" WALL CONSTRUCTION AS INDICATED ON DEMOLITION PLANS AND ELEVATIONS. REVIEW CONCRETE OPENING CONDITIONS/DETAILS WITH ARCHITECT AND WINDOW AND DOOR SUPPLIER TO ENSURE THAT CONCRETE OPENINGS AND WINDOW INSTALLATION REQUIREMENTS ARE COORDINATED.
8. PROTECT EXISTING FLOORING AND CEILING TO REMAIN THROUGHOUT DEMOLITION AND NEW CONSTRUCTION.
9. SEE ELECTRICAL, MECHANICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE AREAS OF THE EXISTING CONCRETE SLAB TO BE REMOVED.
10. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING EXISTING COLUMNS AND BEAMS. PROTECT ALL EXISTING WALLS, COLUMNS, AND STRUCTURE TO REMAIN.
11. INSTALL SELF-LEVELING FLOOR MATERIAL TO ALL FLOOR AREAS THAT ARE TO BE REMOVED OR TO BE INFILLED WITH NEW SLABS TO ENSURE FLUSH, SMOOTH FINISH FLOOR PLANE CONDITIONS THROUGHOUT RENOVATED BUILDING.
12. CORE DRILLING IN EXISTING SLAB FOR NEW UTILITY SERVICE IS NOT SHOWN ON THIS PLAN. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR REQUIRED UTILITY ROUTING.
13. PROTECT ALL EXISTING WATERPROOFING THROUGHOUT DEMOLITION & NEW CONSTRUCTION. PHOTOGRAPH ANY OBTURED OR DAMAGED WATERPROOFING AREAS AND NOTIFY ARCHITECT OF CONDITIONS PRIOR TO INSTALLING NEW WORK OR BACKFILLING AREAS.
14. REPAIR BOTTOM OF ALL EXISTING COLUMNS AROUND BASE OR HEAD WHEN SURROUNDING SLAB IS REMOVED. SEE SPECIFICATIONS FOR APPLICABLE SURFACE PREPARATION AND PRODUCTS TO BE UTILIZED FOR PATCHING.

KEYNOTES - DEMOLITION RCP

- 1 DEMO EXISTING CEILING GRID AND TILES. REMOVE LIGHTING FIXTURES
- 2 REMOVE EXISTING LIGHT - SEE ELEC. FIELD VERIFY LOCATION AND QUANTITY OF LIGHTS TO BE REMOVED.
- 3 REMOVE EXISTING LAY-IN SOFFIT.
- 4 REMOVE EXISTING CEILING AND ALL ASSOCIATED FIXTURES - SEE ELEC., MECH., AND PLUMB. DWGS.
- 5 EXISTING PLASTER CEILING, FIXTURES, AND VENTS TO REMAIN.
- 6 REMOVE, PROTECT AND REINSTALL EXISTING CEILING AS REQUIRED FOR MECHANICAL INSTALLATION. SEE MECHANICAL. GC TO REPLACE/REPAIR ANY DAMAGED GRID/CEILING TILE DAMAGED DURING SCOPE OF WORK.
- 7 REMOVE, PROTECT, AND REINSTALL EXISTING METAL GRID CEILING AS REQUIRED FOR MECHANICAL INSTALLATION. SEE MECHANICAL. GC TO REPLACE ANY METAL GRID DAMAGED DURING SCOPE OF WORK.
- 8 EXISTING CEILING TO REMAIN. PROTECT THROUGHOUT DEMOLITION/CONSTRUCTION.

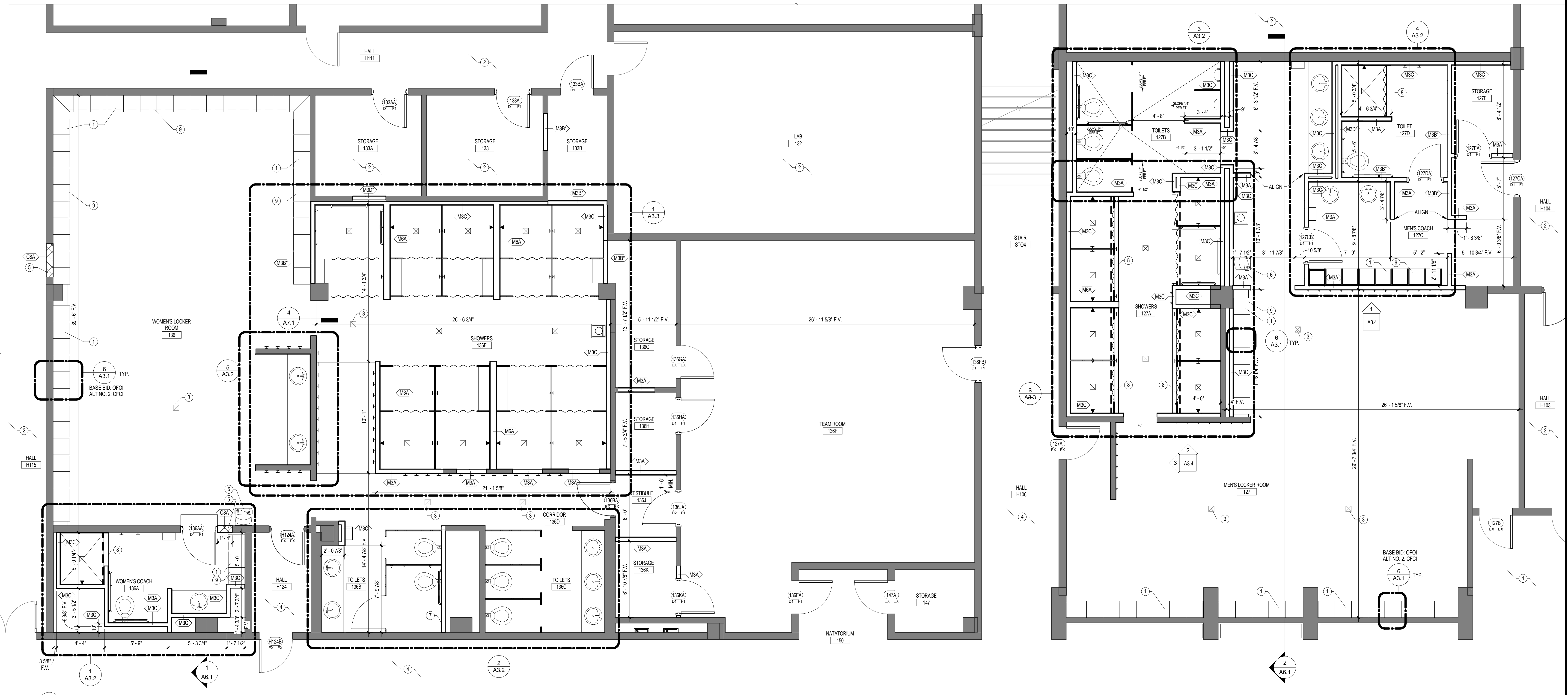
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DRAWING TITLE  
**FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN**

6/3/2014 10:05:15 AM



**1**  
A1.1  
**FIRST FLOOR PLAN**  
1/4" = 1'-0"  
REFERENCED ON A3.1

**2**  
A1.1  
**SECOND FLOOR PLAN**  
1/4" = 1'-0"  
REFERENCED ON A2.1

**LEGEND - REFLECTED CEILING PLAN**

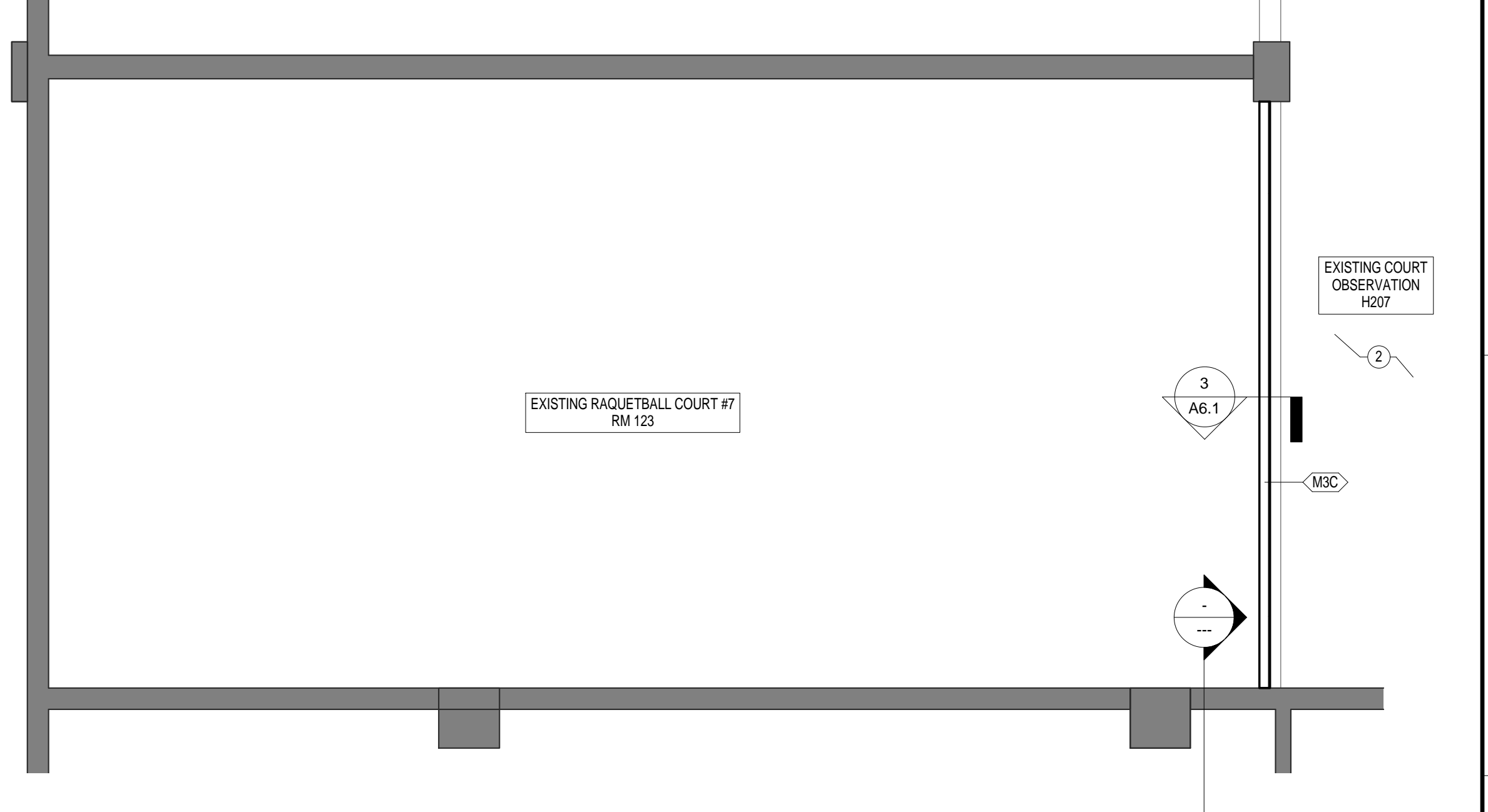
- ONE-HOUR FIRE-RATED WALL ASSEMBLY
  - - - TWO-HOUR FIRE-RATED WALL ASSEMBLY
  - FOUR-HOUR FIRE-RATED WALL ASSEMBLY
  - - - HALF-HOUR FIRE-RATED WALL ASSEMBLY
- SEE PARTITION TYPES FOR UL DESIGN NOS.
- FE-8 FIRE EXTINGUISHER MOUNTED ON WALL BRACKETS
  - ⊕ FD - FLOOR DRAIN
  - EXISTING WALL TO REMAIN

**GENERAL NOTES - FLOOR PLAN**

1. SEE T1.1 FOR MINIMUM REQUIRED ADA MANEUVERING CLEARANCES. VERIFY EXACT FE8 AND FE9 LOCATIONS WITH ARCHITECT - CENTER FECS ON VERTICAL MORTAR JOINTS IN EXPOSED CMU WALLS.
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. DIMENSIONS INDICATED AT EXISTING WALLS ARE TO FACE OF FINISH SURFACE. 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. AND E.S.) AND ACTUAL PRODUCT TO BE INSTALLED AND VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
4. SEE FINISH SCHEDULES AND PLANS FOR FLOOR PATTERNS AND FLOOR FINISH REFERENCES.
5. INTERIOR METAL STUD OPENINGS TO RECEIVE STOREFRONT, DOORS, GRILLS, 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.
6. ALL EXISTING COLUMNS ARE TO REMAIN.
7. PATCH ALL EXISTING HOLES IN CONCRETE STRUCTURE TO REMAIN, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
8. HAZARDOUS MATERIALS ARE PRESENT IN THE SCOPE OF DEMOLITION/CONSTRUCTION. A REPORT ON THE PRESENCE OF HAZARDOUS MATERIALS IS ON FILE FOR REVIEW. HAZARDOUS MATERIALS SHALL BE REMOVED BY OWNER PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
9. CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED WITHIN THE PROJECT SCOPE.
10. SEE PLUMBING DWGS. FOR LOCATIONS AND DETAILS OF REINSTALLED PLUMBING FIXTURES.

**KEYNOTES - FLOOR PLAN**

- 1 NEW PHENOLIC LOCKERS - SEE DETAILS AND SPECS. PROVIDE FILLER PANELS AT ENDS OF RUNS AND CORNERS AS REQUIRED. BASE BID: OFCI ALTERNATE NO. 2: CFCI
- 2 EXISTING FLOORING TO REMAIN. PROTECT THROUGHOUT DEMOLITION AND CONSTRUCTION.
- 3 EXISTING FLOOR DRAIN TO REMAIN.
- 4 EXISTING TILE POOL DECK TO REMAIN. PROTECT THROUGHOUT DEMOLITION/CONSTRUCTION. CONTRACTOR TO COVER AREA AFFECTED BY PROJECT SCOPE WITH PLYWOOD FOR DURATION OF WORK.
- 5 VERIFY EXISTING WALL WIDTH IN FIELD AND MATCH NEW INFILL WALL WIDTH WITH EXISTING.
- 6 NEW DRINKING FOUNTAIN, SEE PLUMBING.
- 7 INSTALL NEW WALL REMOVED FOR INSTALLATION/REINSTALLATION OF PLUMBING FIXTURES, SEE PLUMBING.
- 8 NEW CONCRETE CURB. SEE DETAILS AND SPECIFICATIONS.
- 9 NEW CONCRETE LOCKER BASE TO MATCH EXISTING.



NO.	REVISIONS	DATE



**1 FIRST FLOOR REFLECTED CEILING PLAN - BASE BID**  
 A2.1 1/2" = 1'-0" REFERENCED ON: A3.1

**LEGEND - REFLECTED CEILING PLAN**

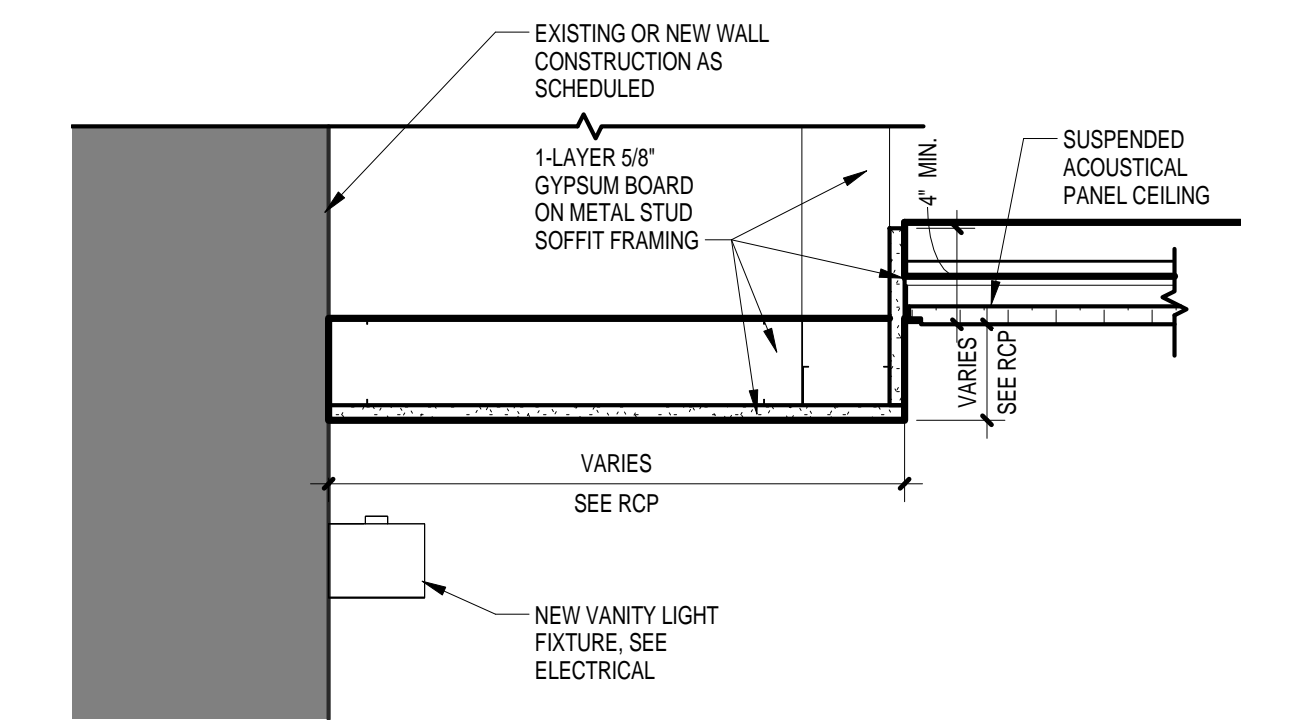
- ACCESS PANEL - COORDINATE LOCATIONS WITH ARCHITECT
- SUPPLY & RETURN MECHANICAL DIFFUSERS
- LINEAR SLOT DIFFUSER
- FLUORESCENT FIXTURES
- RECESSED INCANDESCENT DOWNLIGHT
- LIGHT FIXTURE
- SPEAKER
- EXIT LIGHTS
- GYPSUM BOARD CEILING
- APC-12 - ACOUSTICAL PANELS AND SUSPENSION SYSTEM FOR CEILINGS
- 12'-8" CEILING HEIGHTS
- PLASTER CEILING
- CONTROL JOINT
- CEILING MOUNTED FAN

**GENERAL NOTES - REFLECTED CEILING PLAN**

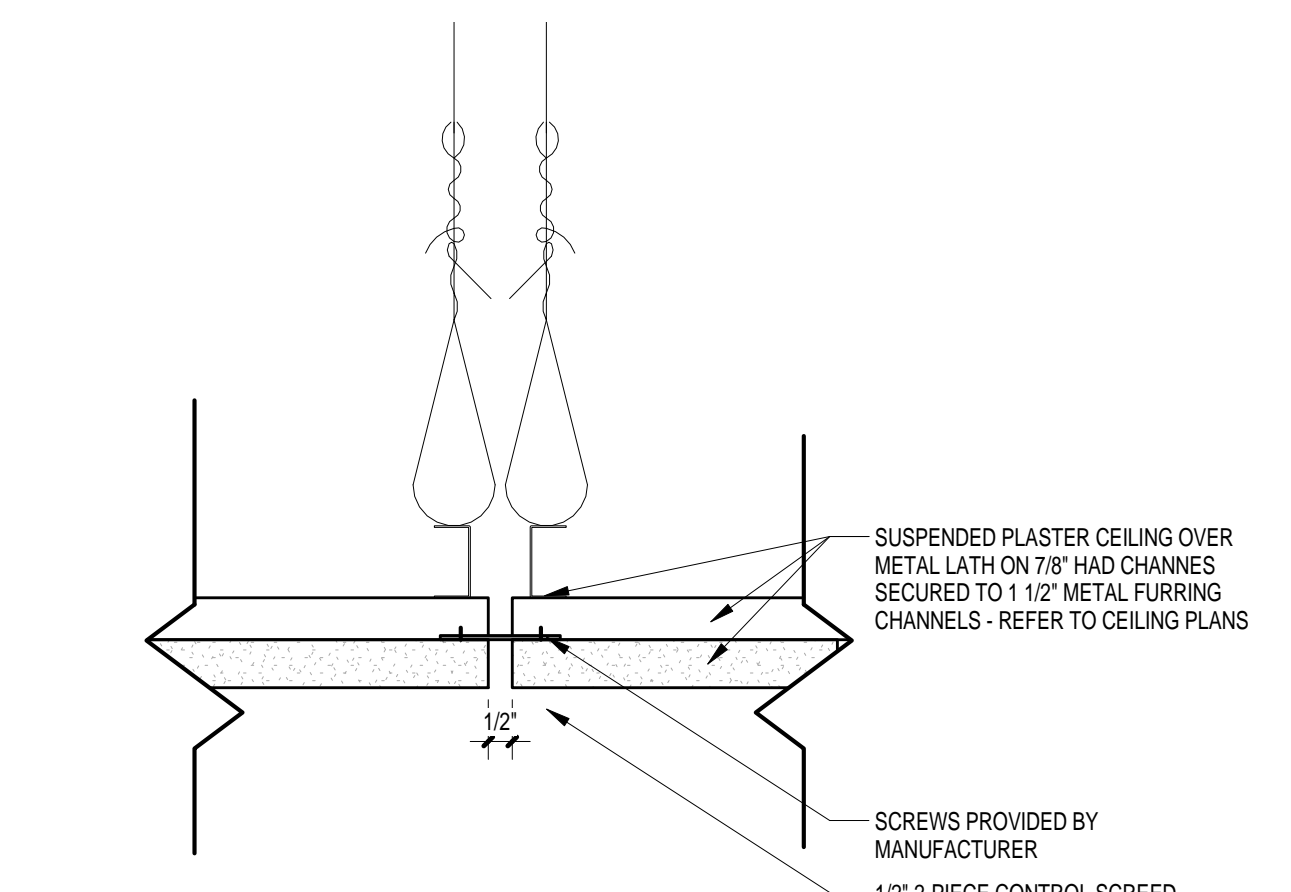
1. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND SPECIFIC FIXTURE DESIGNATIONS.
2. ALL SUSPENDED ACOUSTICAL GRIDS ARE TO BE CENTERED IN CEILING ROOM AS SHOWN, UNLESS NOTED OTHERWISE.
3. CEILING MOUNTED EQUIPMENT, DEVICES, FIXTURES & GRILLS MUST BE COORDINATED ON REFLECTED CLG. PLANS. CEILING MOUNTED SPRINKLERS TO BE LOCATED IN CENTER OF CEILING TILE IN APC CEILINGS OR IN CENTER OF GRID OPENING IN OPEN-CELL CEILING SYSTEMS.
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, & E). SUBMIT LAYOUT COORDINATION DRAWING FOR REVIEW & APPROVAL PRIOR TO INSTALLATION.
5. PAINT ALL EXPOSED STRUCTURE/CEILING AREA, INCLUDING ROOF DECK, CONCRETE STRUCTURE, DUCTWORK, PLUMBING LINES, FIRE SUPPRESSION LINES, ELEC CONDUITS & BOXES AND OTHER NON-FINISHED ITEMS UNLESS NOTED OTHERWISE ON FINISH SCHEDULES AND INTERIOR ELEVATIONS.
6. PAINT ALL EXPOSED STEEL LINTELS, ANGLES AND PLATES.
7. REFERENCE ELECTRICAL DRAWINGS FOR FULL EXTENT OF ELECTRICAL CEILING AND WALL MOUNTED DEVICES.

**FIRST FLOOR RCP KEYNOTES**

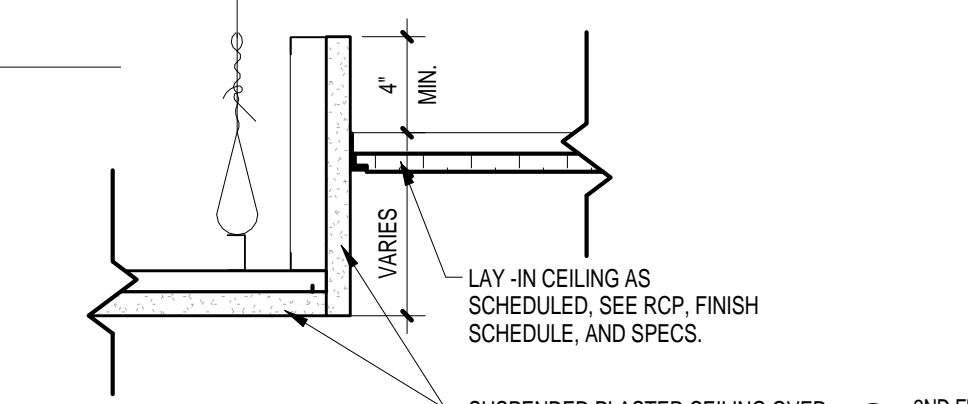
1. PAINT ALL CEILING SURFACES AND UNDERSIDE OF STAIR. SEE FINISH SCHEDULES AND SCHEDULE OF INTERIOR FINISHES.
2. EXISTING LIGHT TO REMAIN - SEE ELECTRICAL DWGS.
3. EXISTING CEILING TO REMAIN.
4. TEMPORARY REMOVAL OF ACT TILE IN CEILING MAY BE REQUIRED FOR ACCESS TO UTILITIES. PROTECT ACT TILE THROUGHOUT DEMOLITION AND CONSTRUCTION AND PUT ANY REMOVED EXISTING TILES BACK IN PLACE AT END OF CONSTRUCTION.
5. REMOVE, PROTECT, AND REINSTALL EXISTING METAL GRID CEILING AS REQUIRED FOR MECHANICAL INSTALLATION. SEE MECHANICAL. GO TO REPLACE ANY METAL GRID DAMAGED DURING SCOPE OF WORK.
6. REMOVE, PROTECT AND REINSTALL EXISTING CEILING AS REQUIRED FOR MECHANICAL INSTALLATION. SEE MECHANICAL. GO TO REPLACE/PATCH ANY DAMAGED GRID/CEILING TILE DAMAGED DURING SCOPE OF WORK.



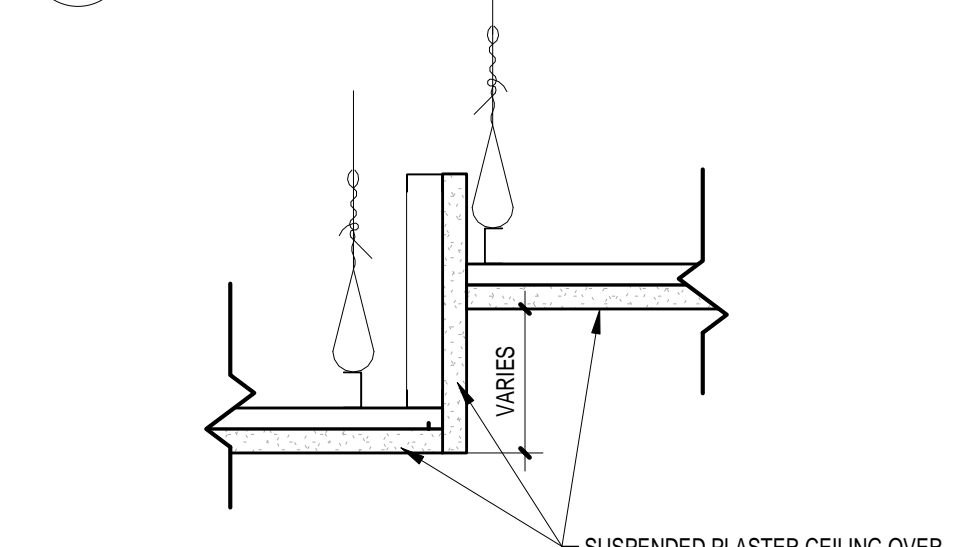
**2 CEILING DETAIL - TYPICAL VANITY DETAIL**  
 A2.1 1 1/2" = 1'-0" REFERENCED ON: A2.1



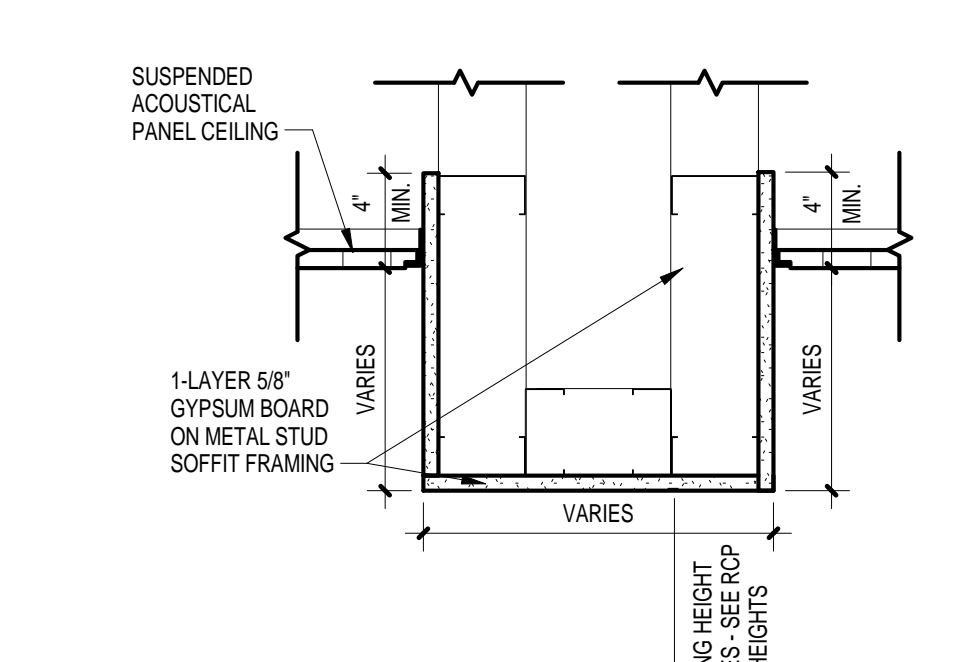
**3 CEILING DETAIL - TYPICAL PLASTER CONTROL JOINT**  
 A2.1 3" = 1'-0" REFERENCED ON: A2.1



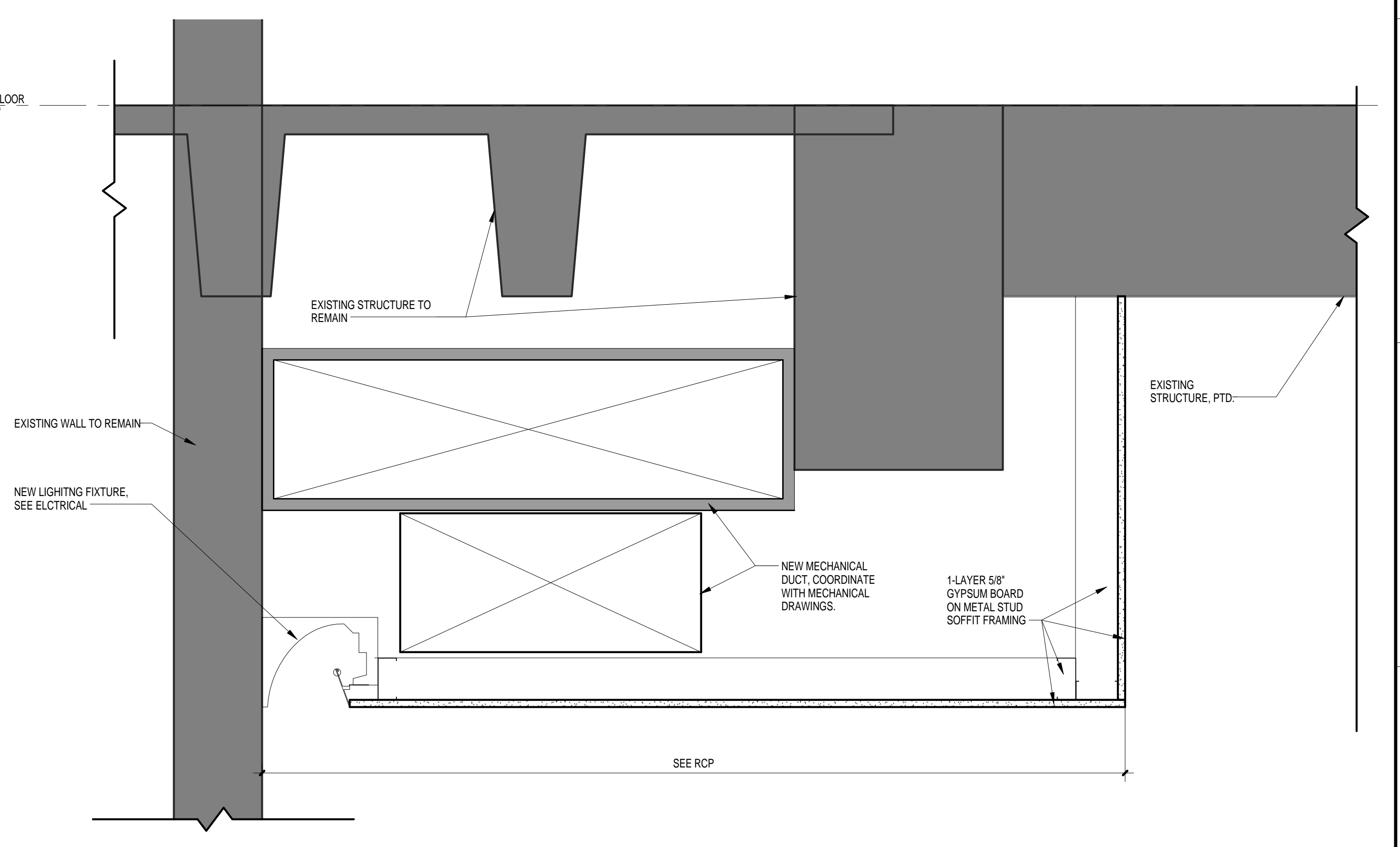
**4 CEILING DETAIL - COACHES SHOWER**  
 A2.1 1 1/2" = 1'-0" REFERENCED ON: A2.1



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



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



**7 CEILING DETAIL - TEAM ROOM**  
 A2.1 1 1/2" = 1'-0" REFERENCED ON: A2.1

**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z168

NO.	REVISIONS	DATE

**DRAWN BY:** \_\_\_\_\_  
**CHECKED BY:** \_\_\_\_\_  
**AUTHOR:** \_\_\_\_\_  
**DATE:** \_\_\_\_\_

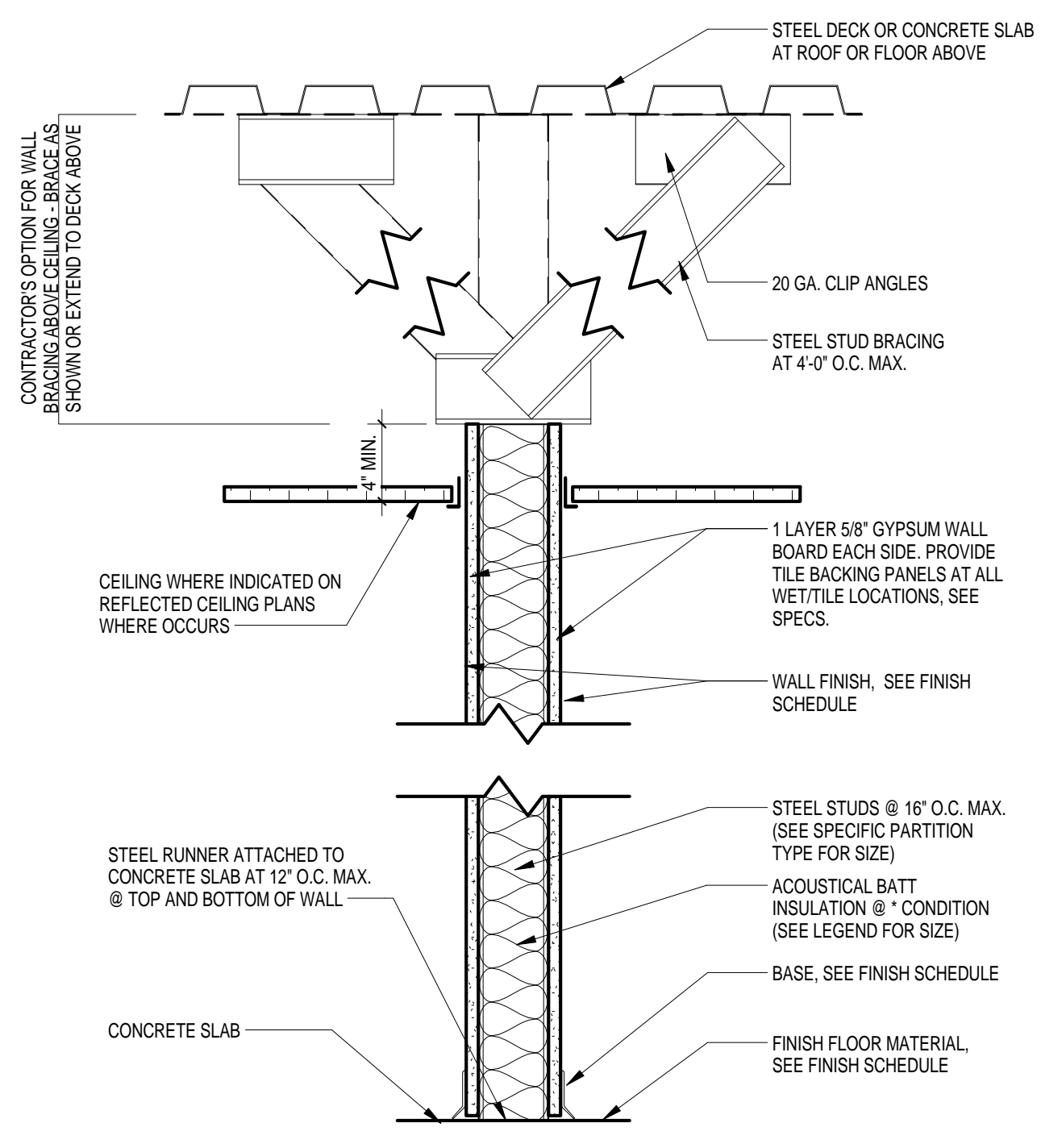
**DRAWING TITLE**  
**FIRST FLOOR REFLECTED CEILING PLAN**

**PROJECT NO.** U202.13  
**DATE** 08.02.14  
**DRAWING NO.** **A2.1**

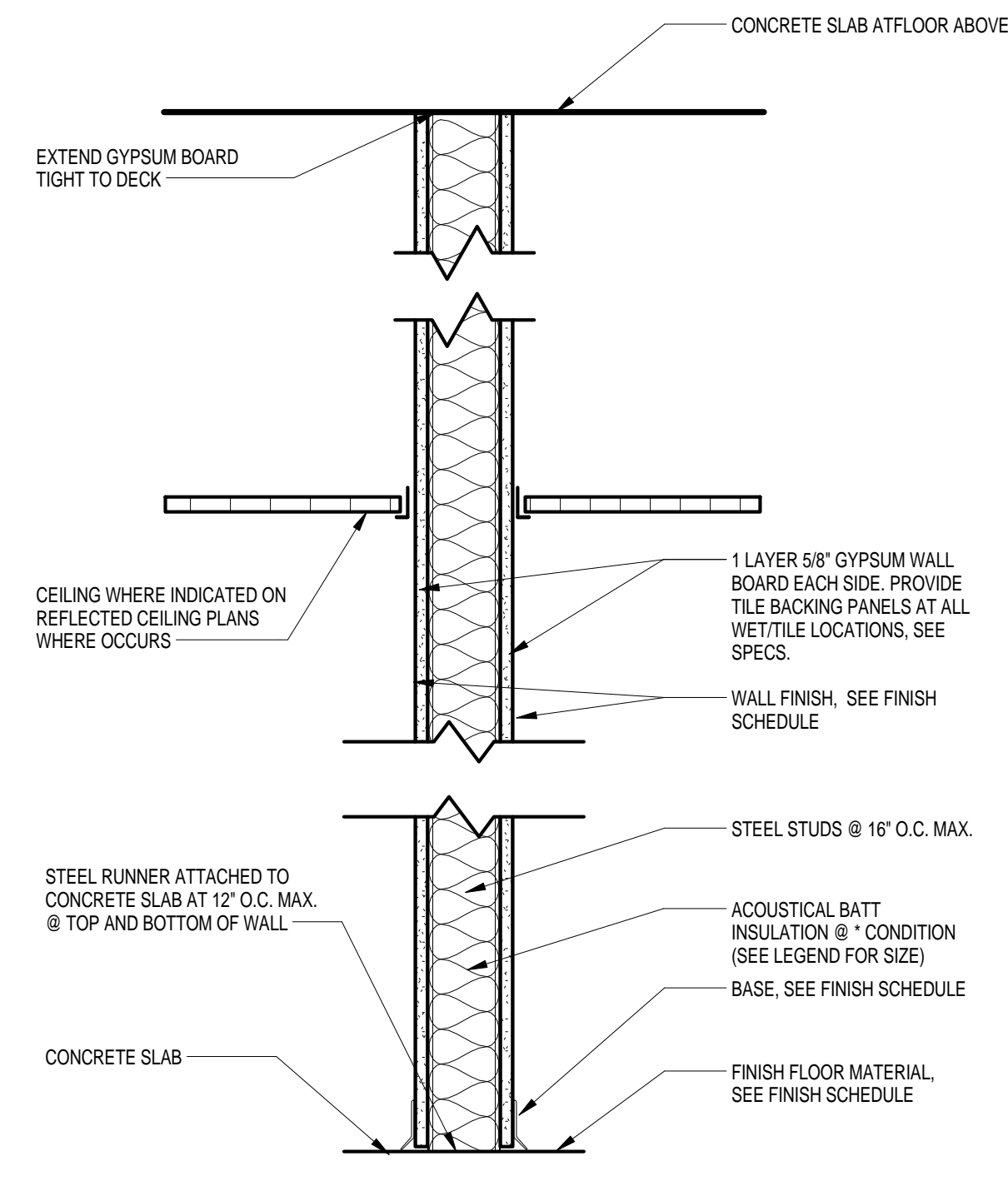


LEGEND - PARTITION TYPES

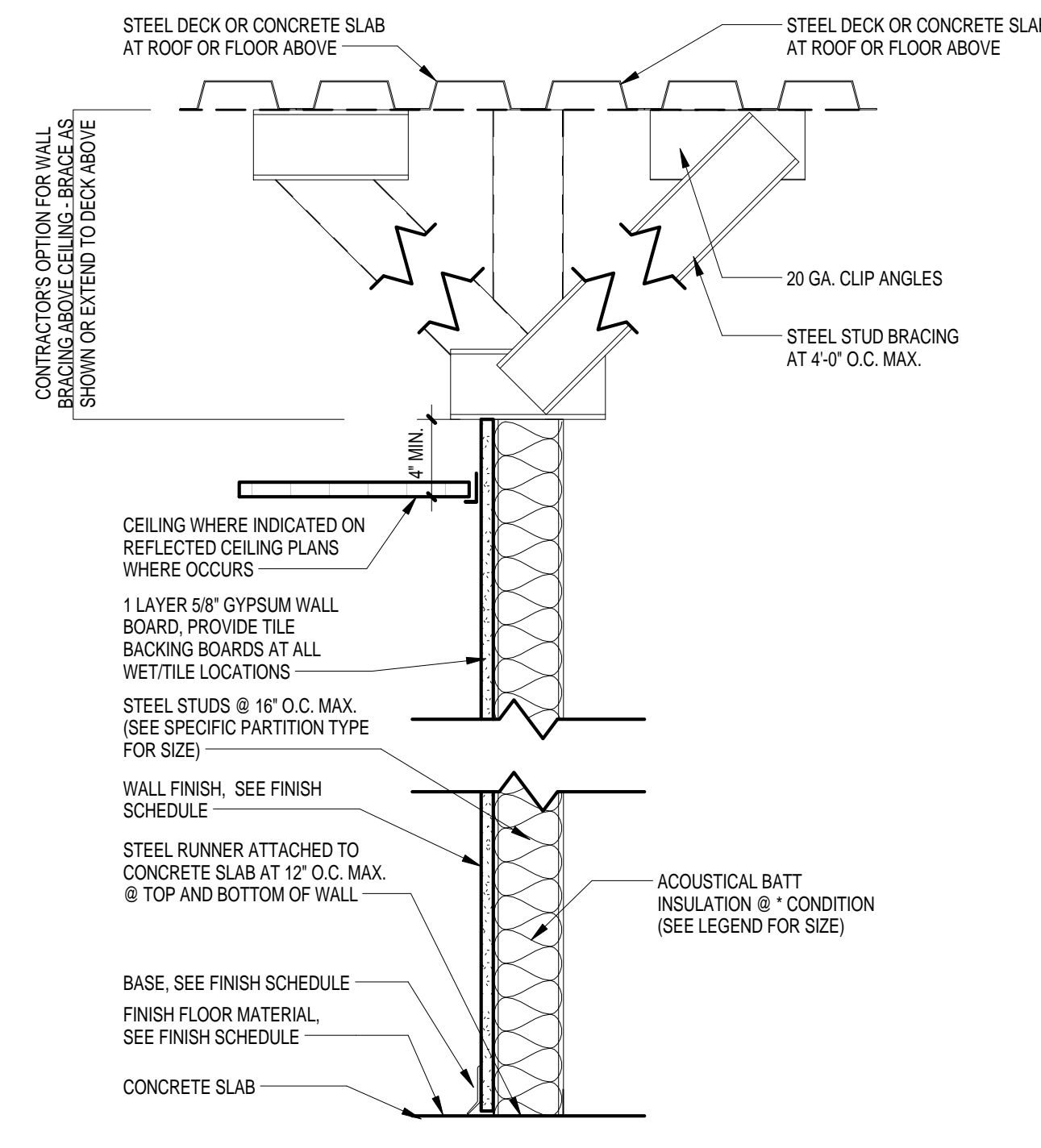
MATERIAL	FINISH CONSTRUCTION
SIZE	INSULATION DESIGNATION
M1 1 1/2" METAL STUD	
M2 2 1/2" METAL STUD	
M3 3 1/2" METAL STUD	
M4 4" METAL STUD	
M5 6" METAL STUD	
M6 8" METAL STUD	
W2 2x2" WOOD STUD	
W4 2x4" WOOD STUD	
W6 2x6" WOOD STUD	
W8 2x8" WOOD STUD	
C4 4" CMU (3-5/8" NOM.)	
C6 6" CMU (7-5/8" NOM.)	
C12 12" CMU (11-5/8" NOM.)	
IS 1/2" CH STUD (SHAFT WALL)	



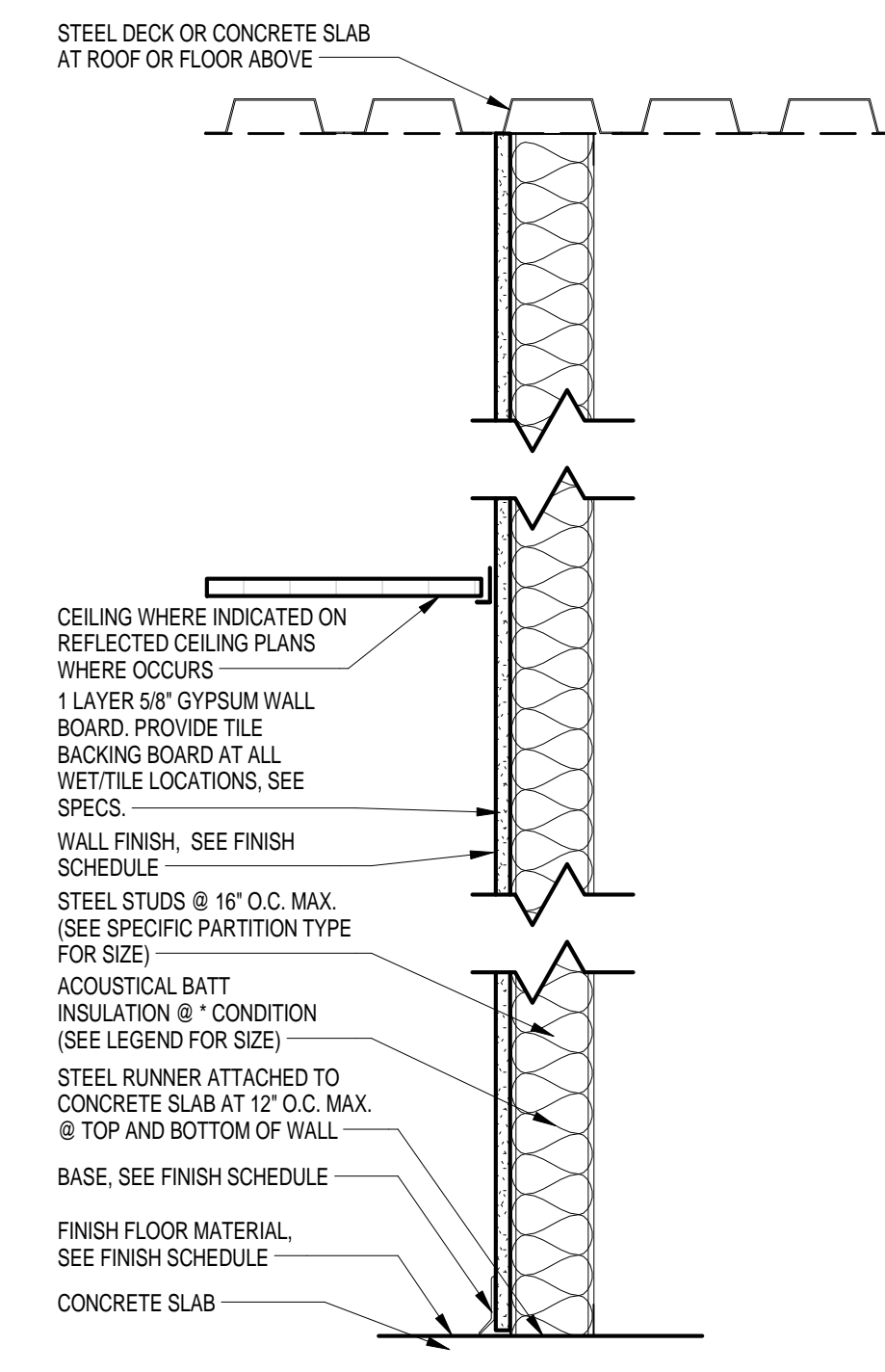
M/A INTERIOR PARTITION  
1 1/2" = 1'-0"



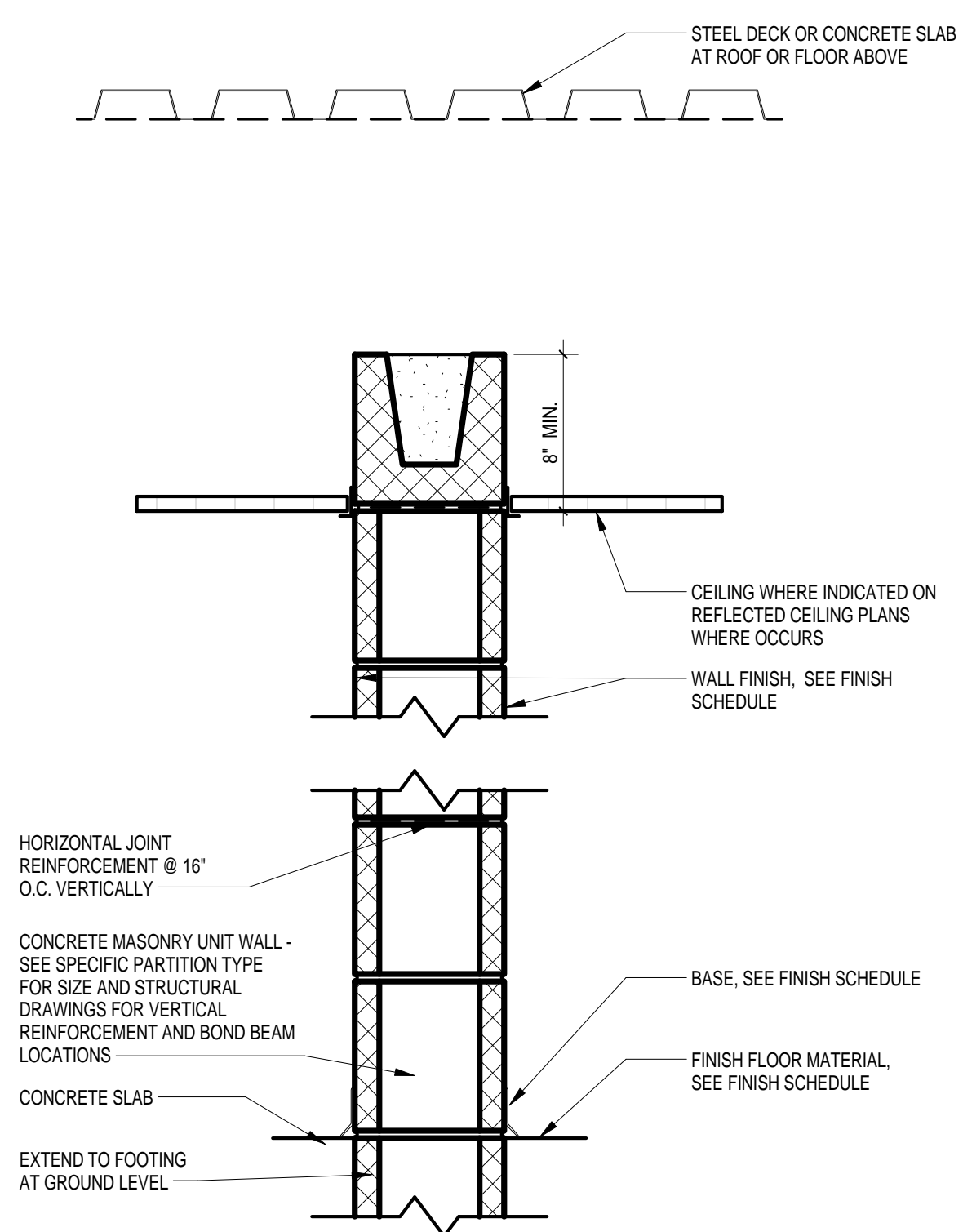
M/B INTERIOR PARTITION  
1 1/2" = 1'-0"



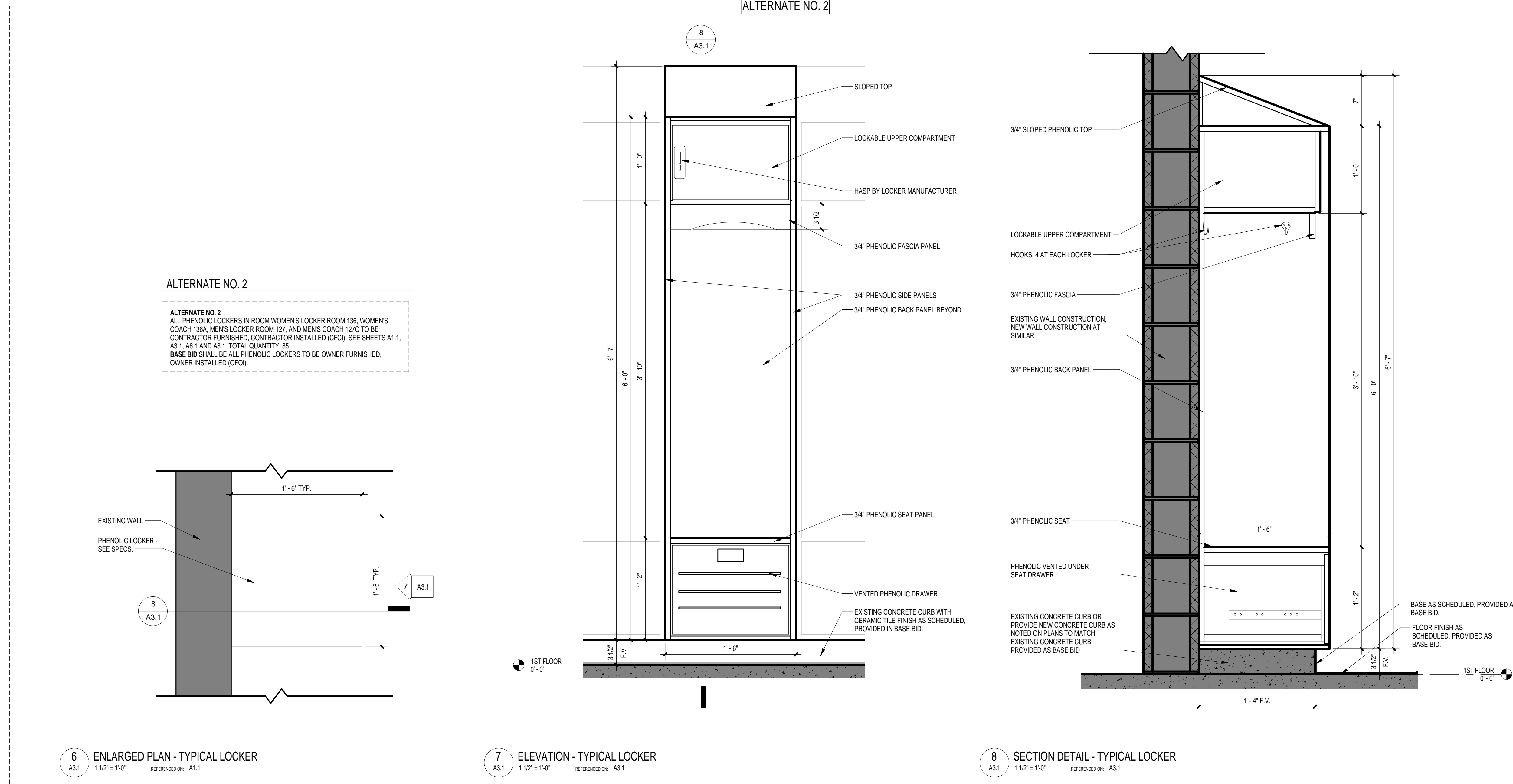
M/C INTERIOR PARTITION  
1 1/2" = 1'-0"



M/D INTERIOR PARTITION  
1 1/2" = 1'-0"



C/A INTERIOR PARTITION  
1 1/2" = 1'-0"



ALTERNATE NO. 2

ALTERNATE NO. 2  
ALL PHENOLIC LOCKERS IN ROOM WOMEN'S LOCKER ROOM 136, WOMEN'S COACH 158A, MEN'S LOCKER ROOM 127, AND MEN'S COACH 127C TO BE CONTRACTOR FURNISHED CONTRACTOR INSTALLED (CFCI). SEE SHEETS A1.1, A3.1, A6.1 AND A8.1. TOTAL QUANTITY: 88  
BASE BID SHALL BE ALL PHENOLIC LOCKERS TO BE OWNER FURNISHED, OWNER INSTALLED (OFOW).

PROJECT TITLE  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
University of South Carolina  
Solomon Blatt Physical Education Center Project  
No. H27-Z158

DATE

NO.

REVISIONS

PROJECT TITLE  
**PARTITION TYPES AND LOCKER DETAILS**

DATE

NO.

REVISIONS

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

AUTHOR: \_\_\_\_\_

CHECKER: \_\_\_\_\_

DATE

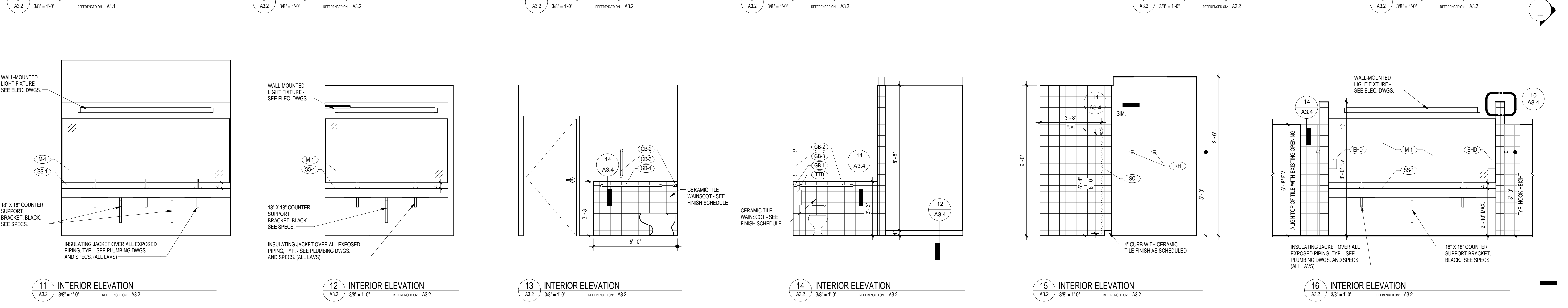
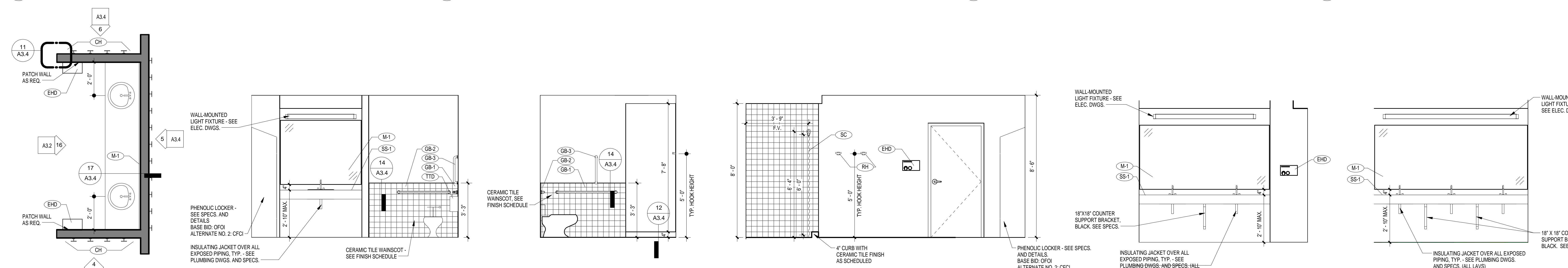
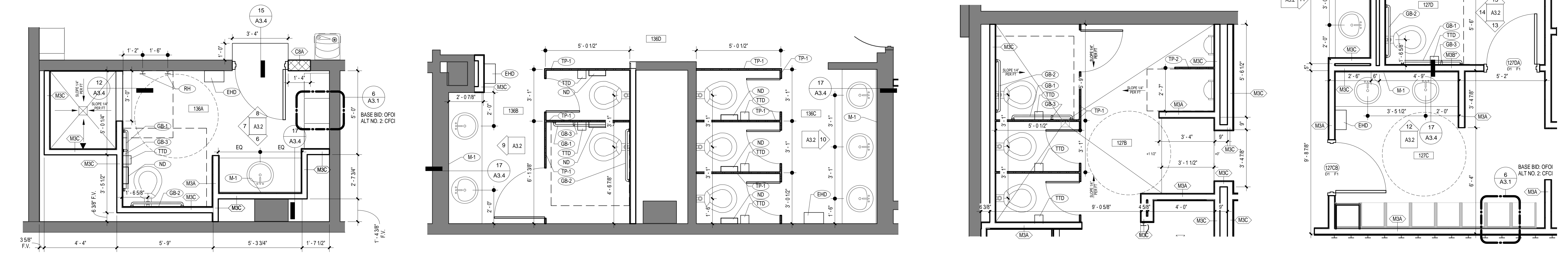
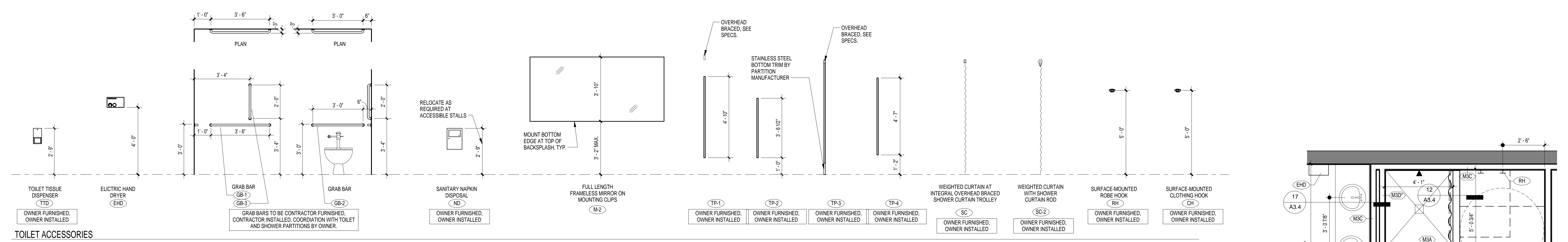
NO.

REVISIONS

PROJECT NO. U028.13

DATE 06.02.14

DRAWING NO. **A3.1**



PROJECT TITLE  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z158

DATE

REVISIONS

NO.	DATE	DESCRIPTION

AUT/CHK

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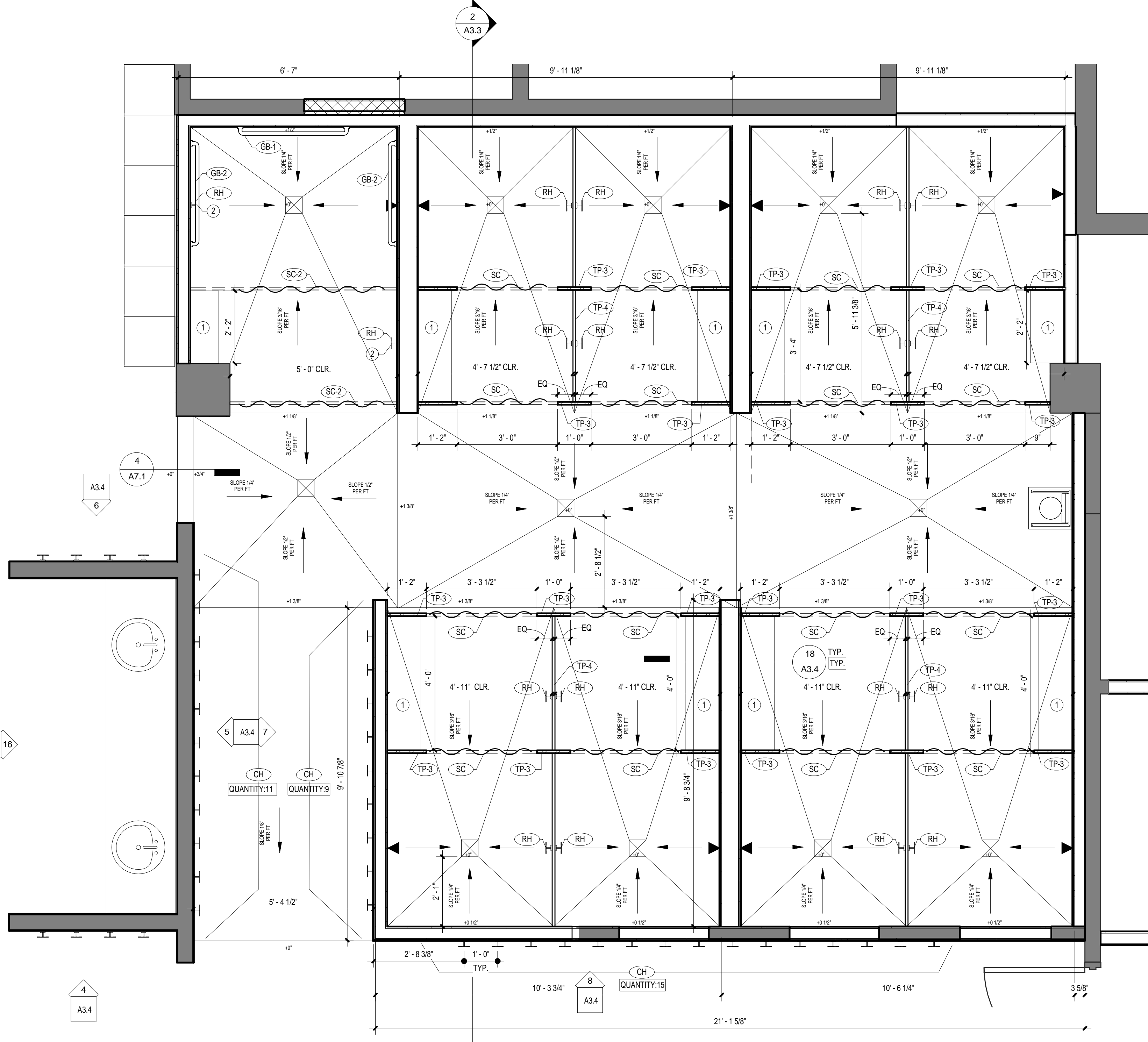
DRAWING TITLE  
**ENLARGED PLANS AND INTERIOR ELEVATIONS**

PROJECT NO.  
 U032.13

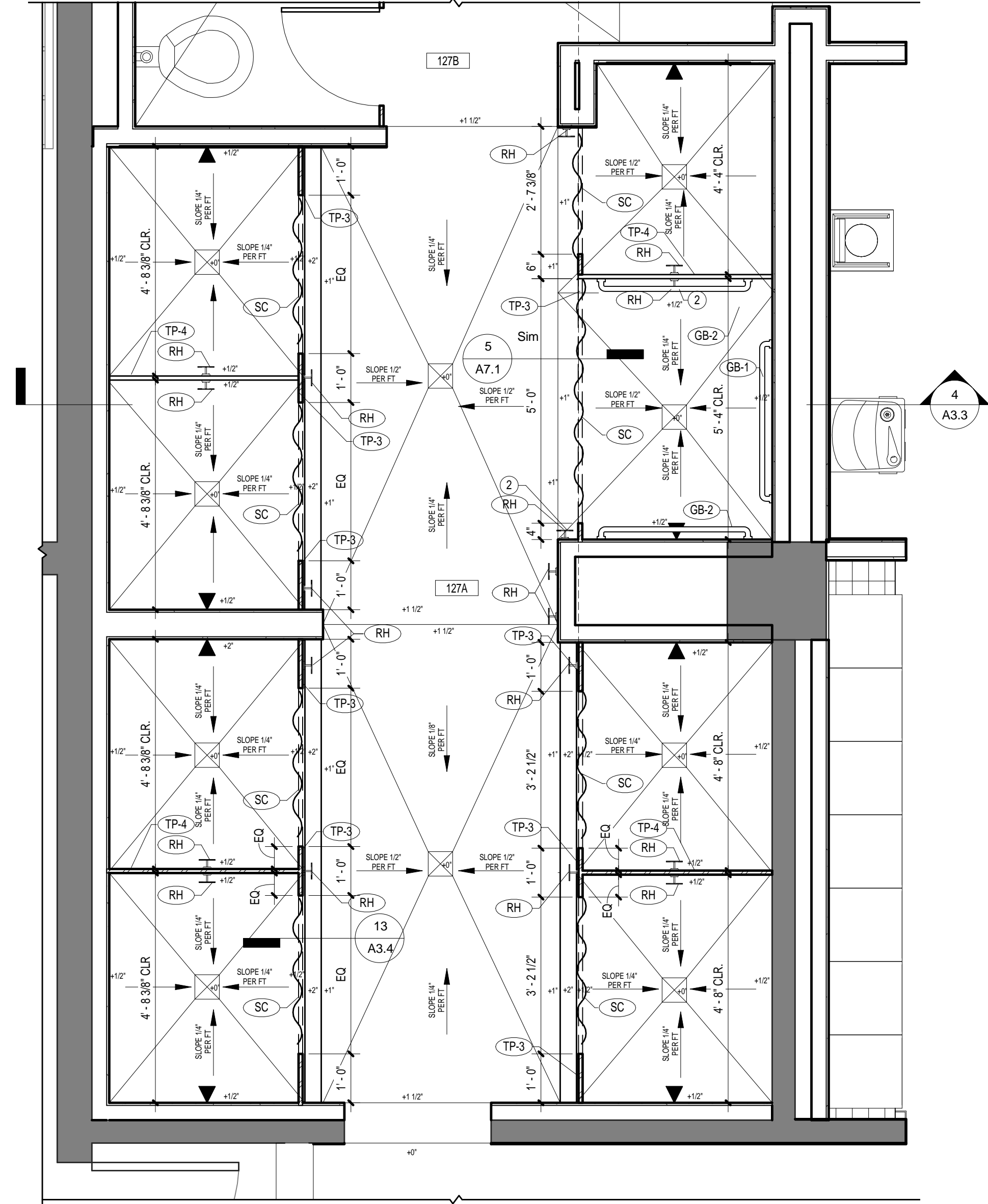
DATE  
 06.02.14

DRAWING NO.  
**A3.2**





**1 ENLARGED WOMEN'S SHOWER PLAN**  
 A3.3 1/2" = 1'-0"  
 REFERENCED ON: A1.1

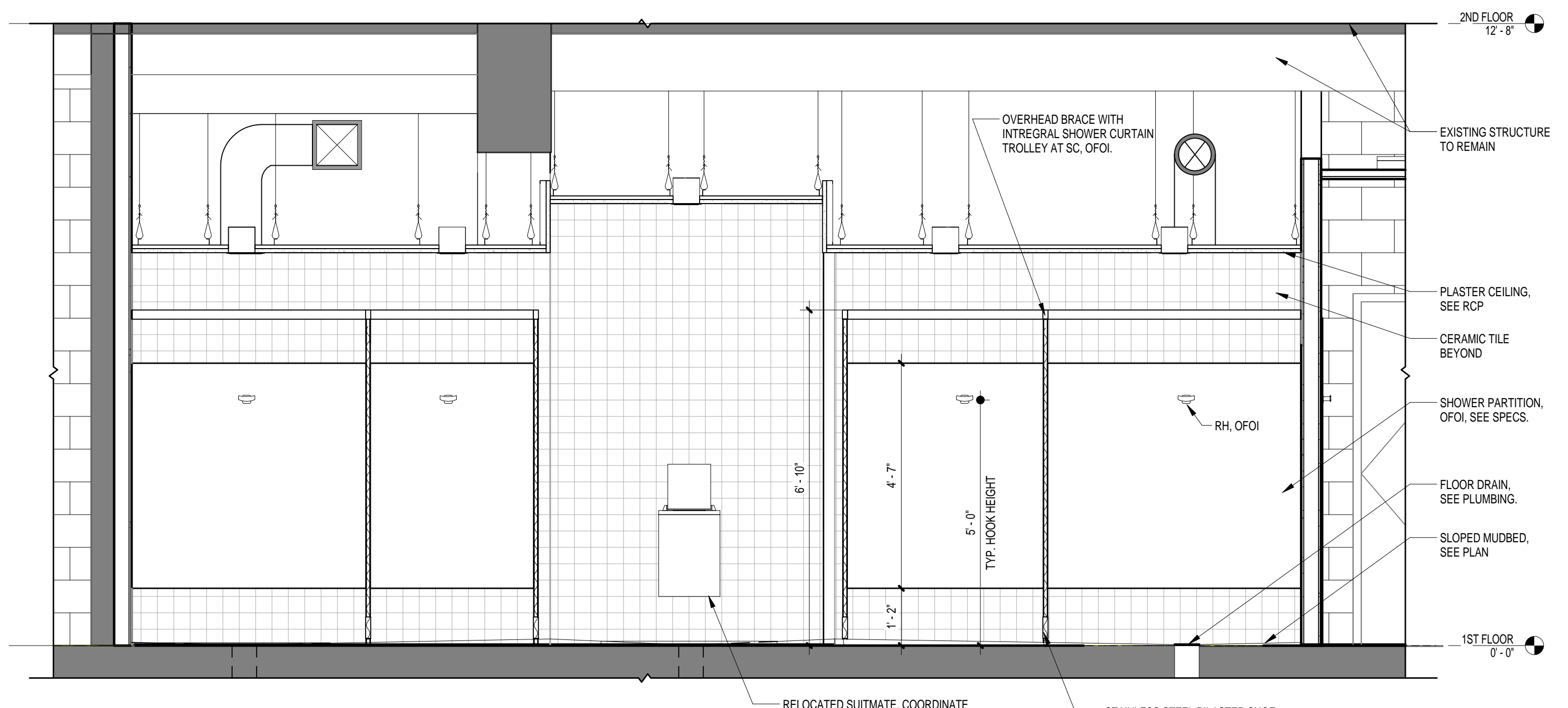


**3 ENLARGED MEN'S SHOWER PLAN**  
 A3.3 1/2" = 1'-0"  
 REFERENCED ON: A1.1

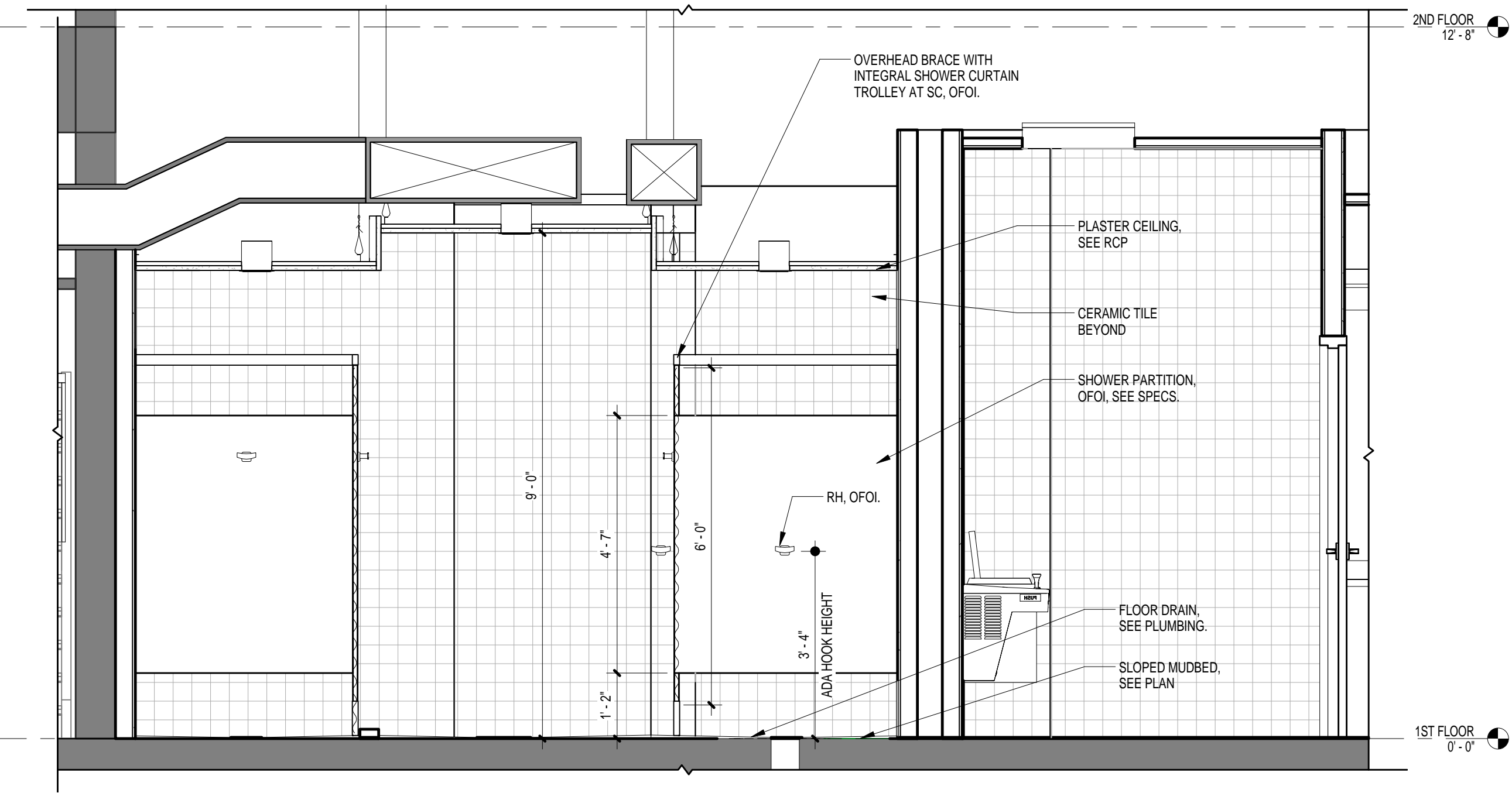
**FIRST FLOOR RCP KEYNOTES**

- SOLID SURFACE BENCH. SEE DETAILS AND SPECS.
- ROBE HOOK MOUNTING HEIGHT TO BE 3'-4" AT ADA ROLL-IN ACCESSIBLE SHOWER STALLS.

**GENERAL NOTE: SEE T1.1 AND A3.2 FOR ALL PARTITIONS AND TOILET ACCESSORIES TO BE OFOL.**



**2 SECTION AT WOMEN'S SHOWER AREA**  
 A3.3 1/2" = 1'-0"  
 REFERENCED ON: A3.3



**4 SECTION MEN'S SHOWERS**  
 A3.3 1/2" = 1'-0"  
 REFERENCED ON: A3.3

NO.	REVISIONS	DATE

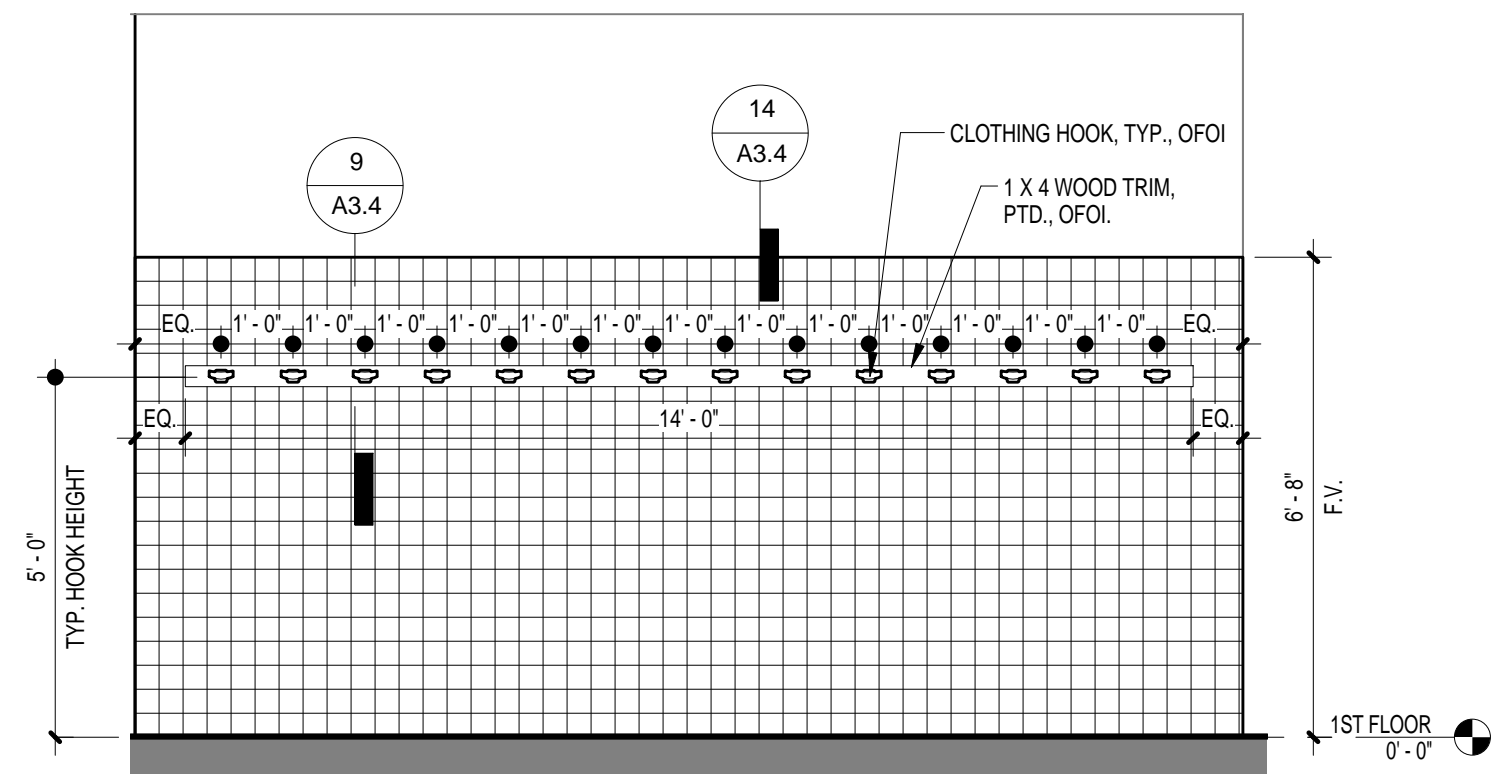
**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z158

DRAWN BY:	CHECKED BY:	AUTHOR:	DATE:

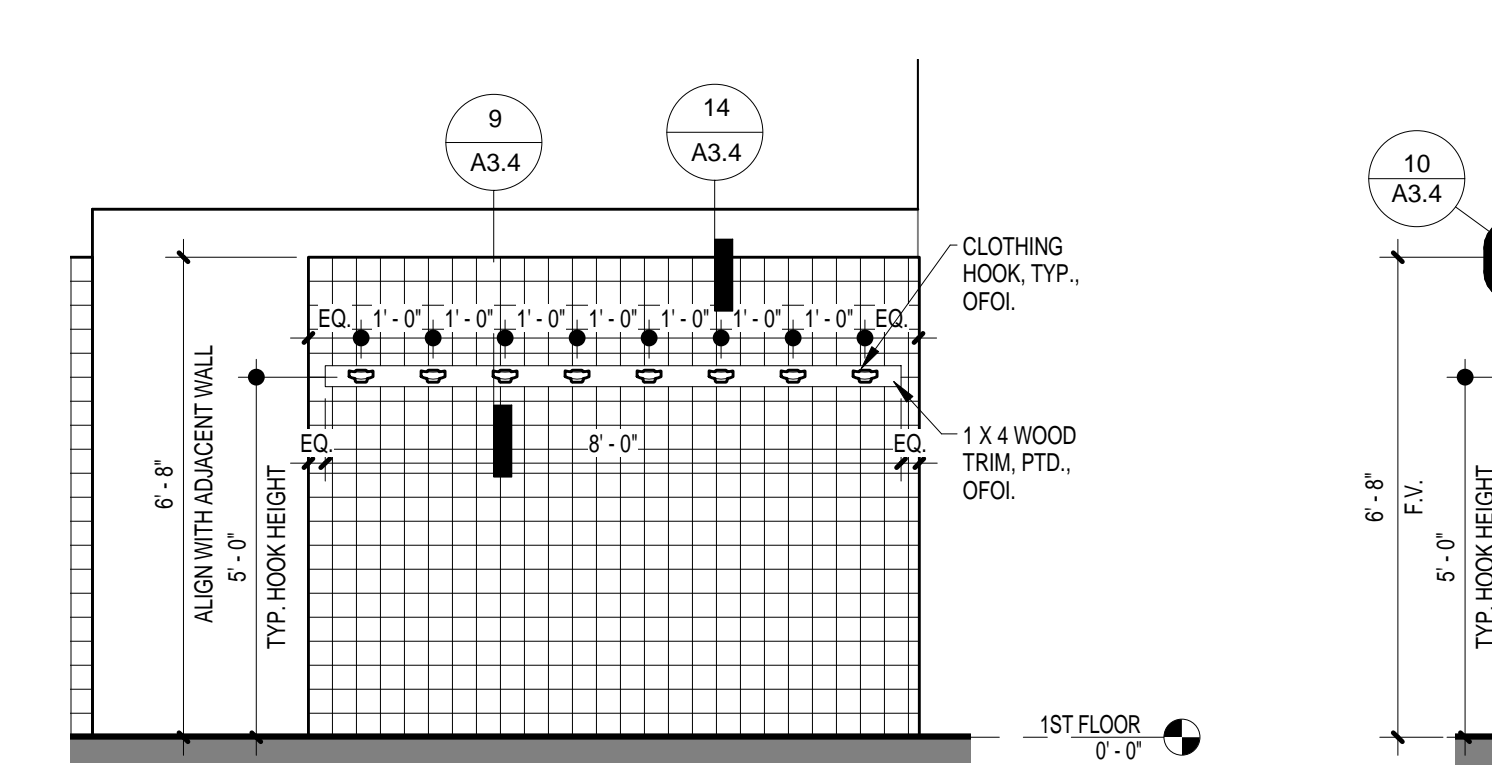
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**DRAWING TITLE**  
**ENLARGED PLANS AND INTERIOR ELEVATIONS**

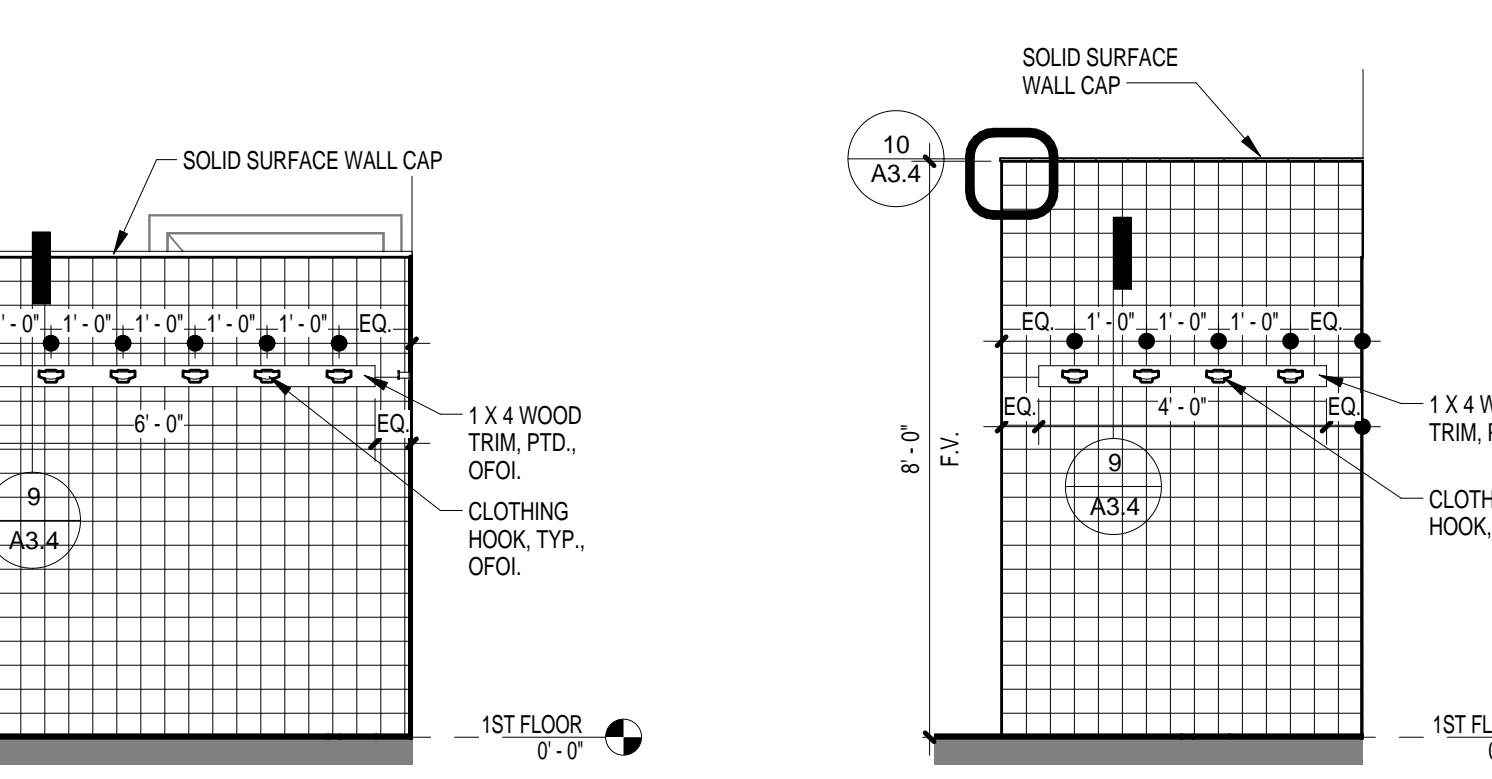
**PROJECT NO.**  
 L03E13  
**DATE**  
 06.02.14  
**DRAWING NO.**  
**A3.3**



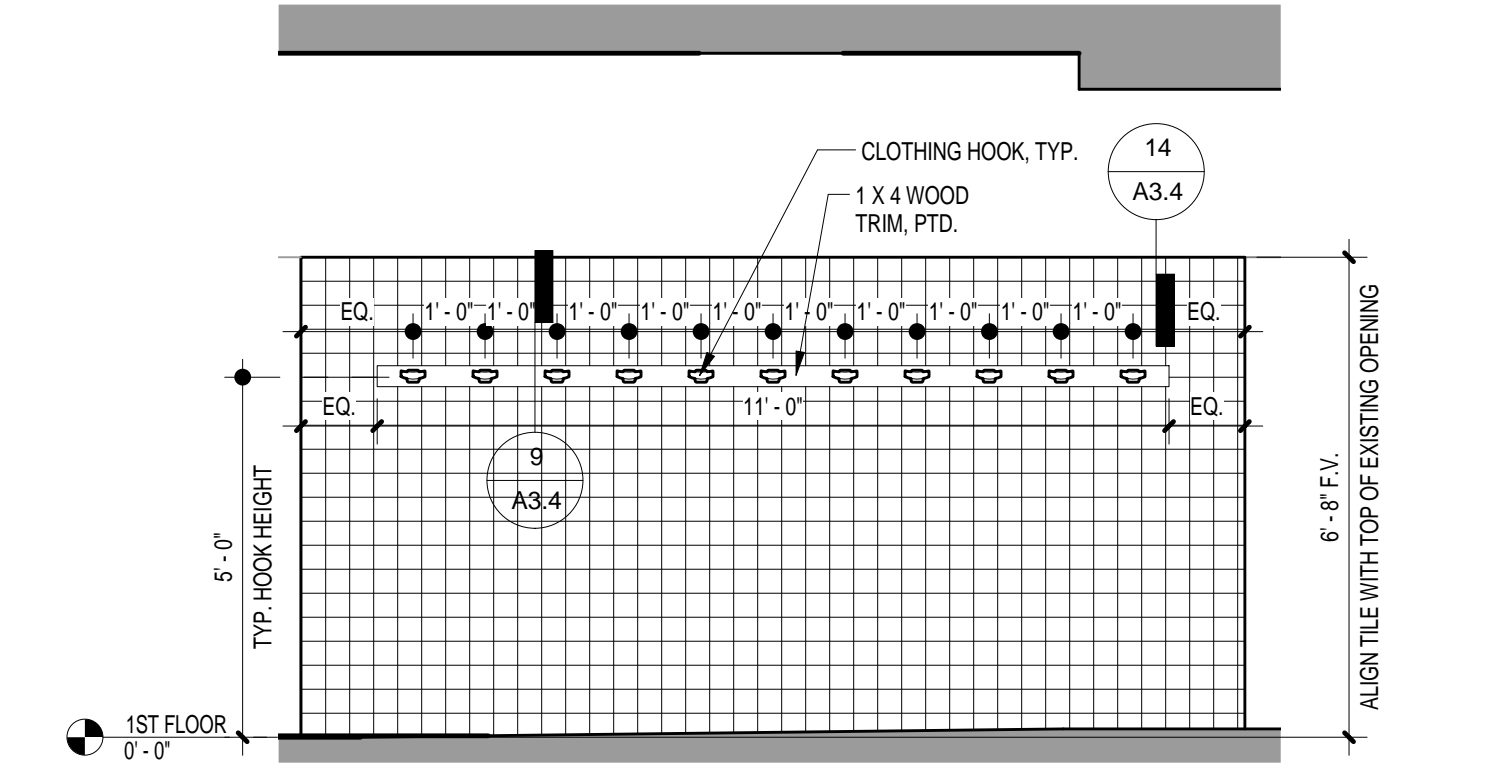
1 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A1.1



2 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A1.1



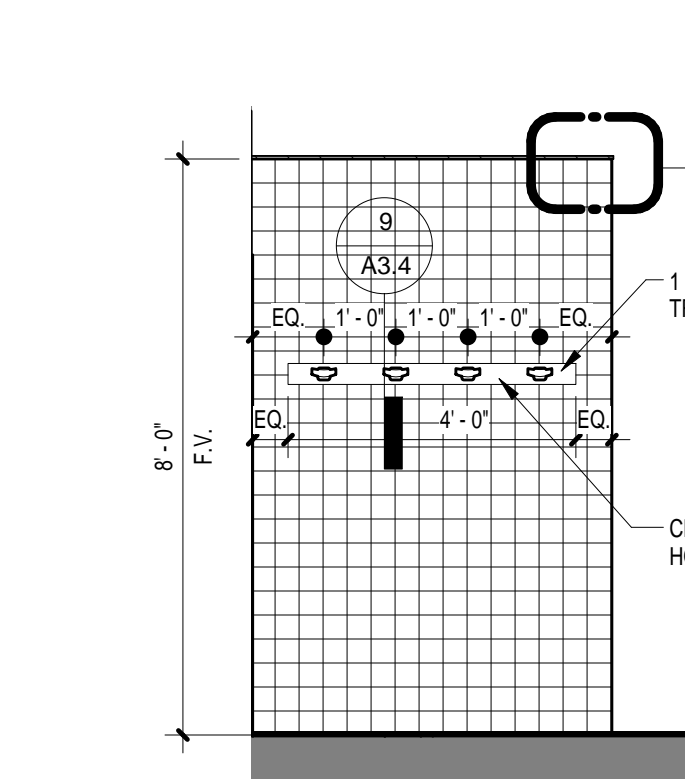
3 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A1.1



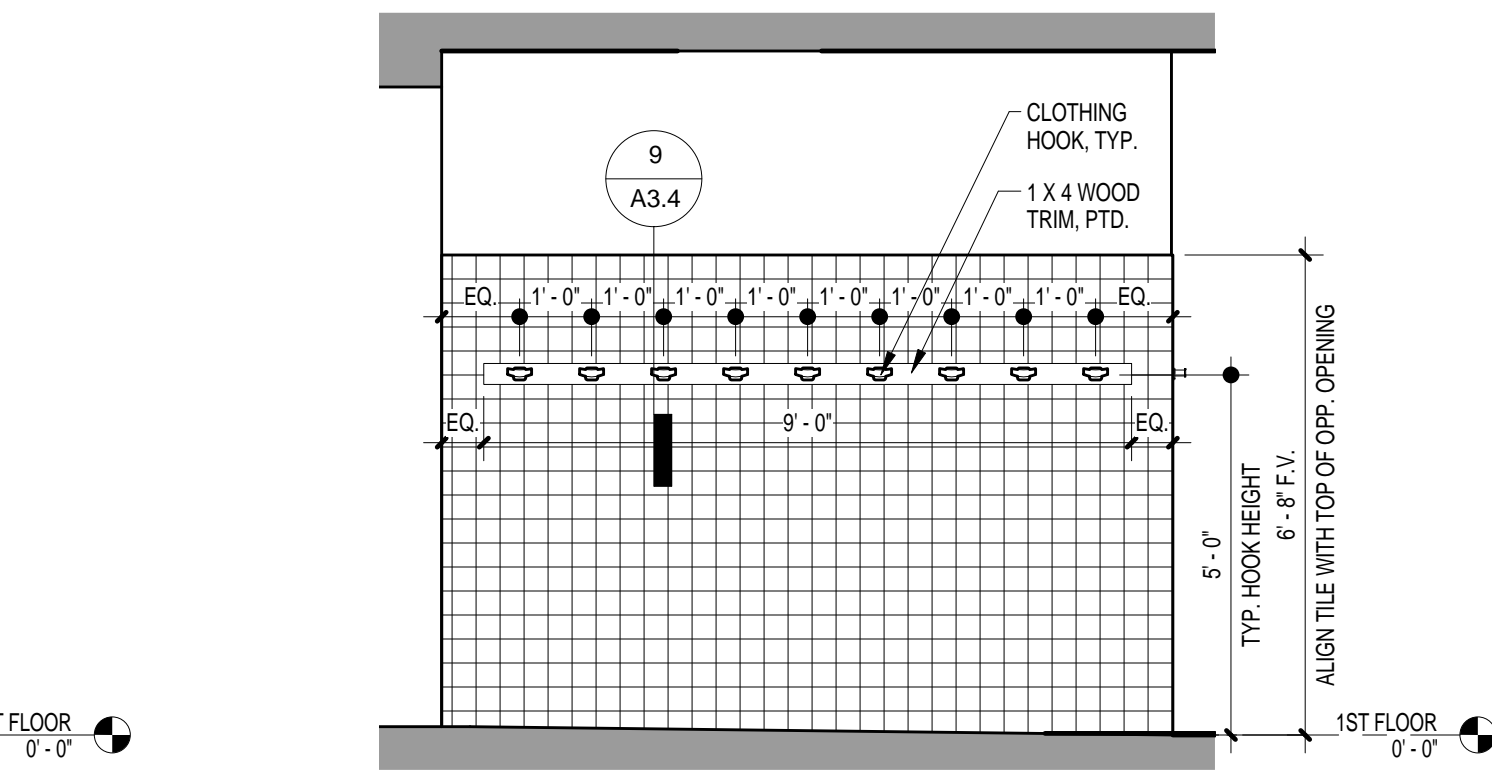
4 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A3.2



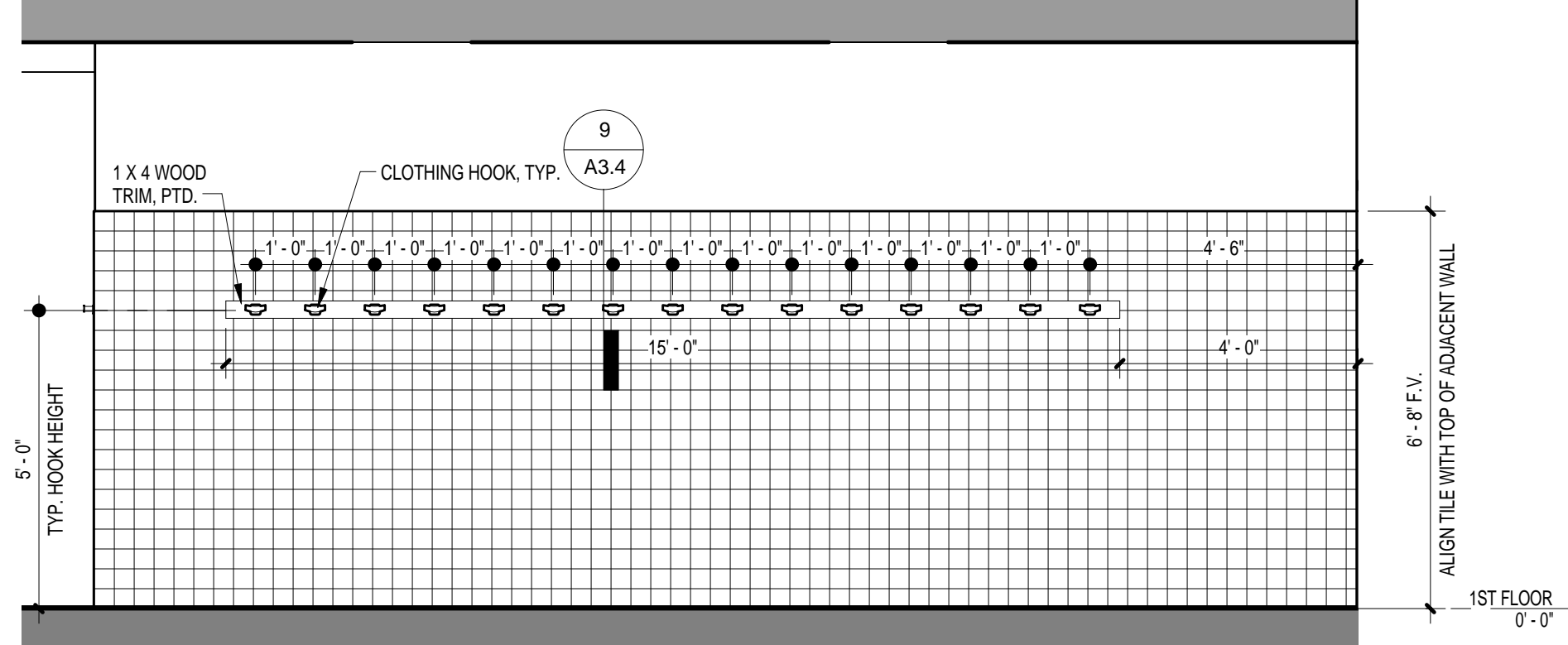
5 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A3.2



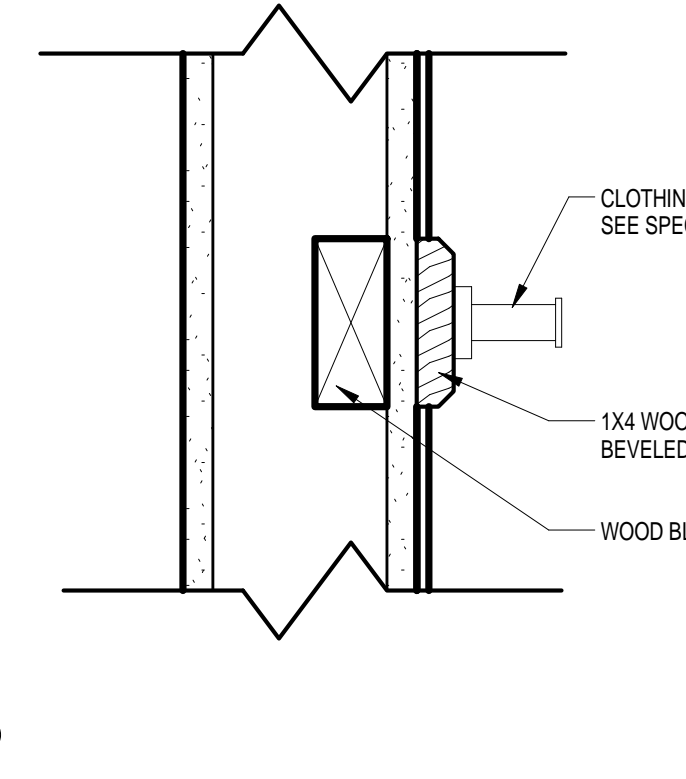
6 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A3.2



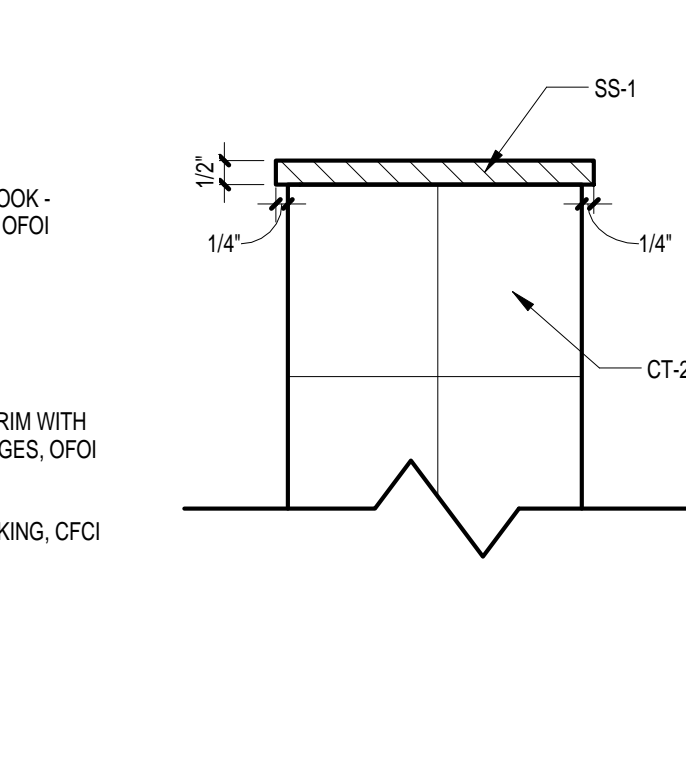
7 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A3.3



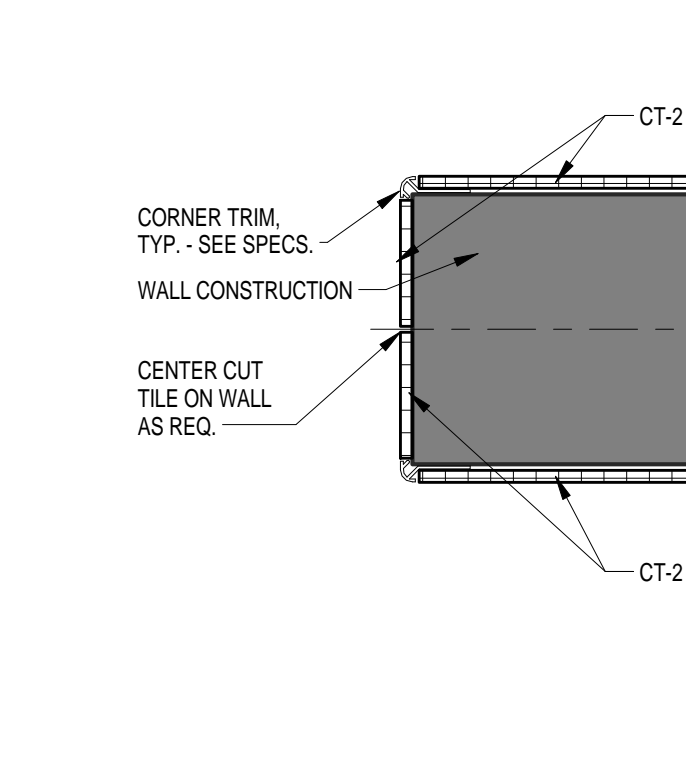
8 INTERIOR ELEVATION  
 A3.4 3'8" x 1'-0" REFERENCE ON: A3.3



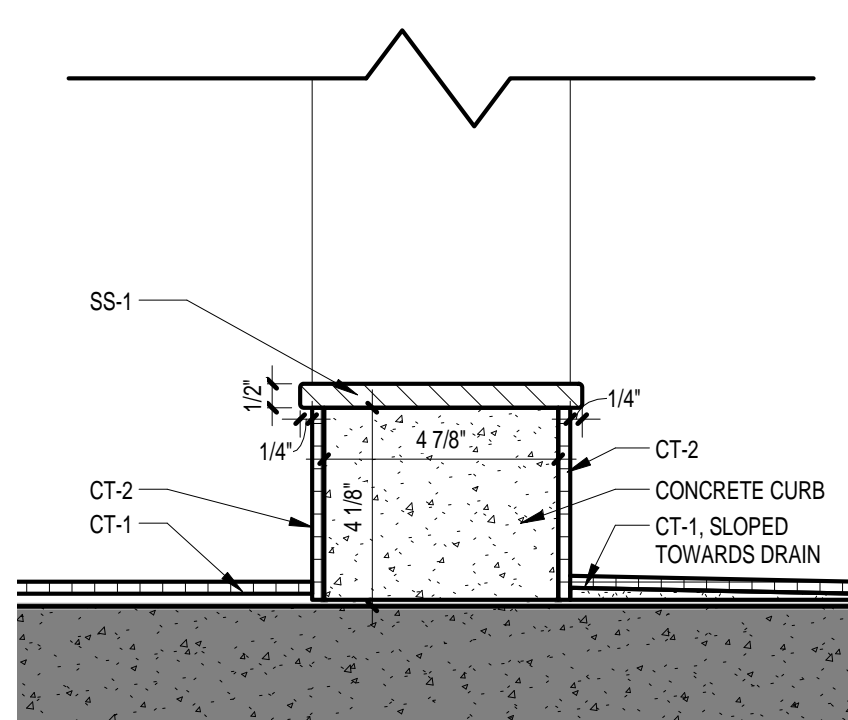
9 TYP. ROBE HOOK DETAIL  
 A3.4 3" x 1'-0" REFERENCE ON: A3.4



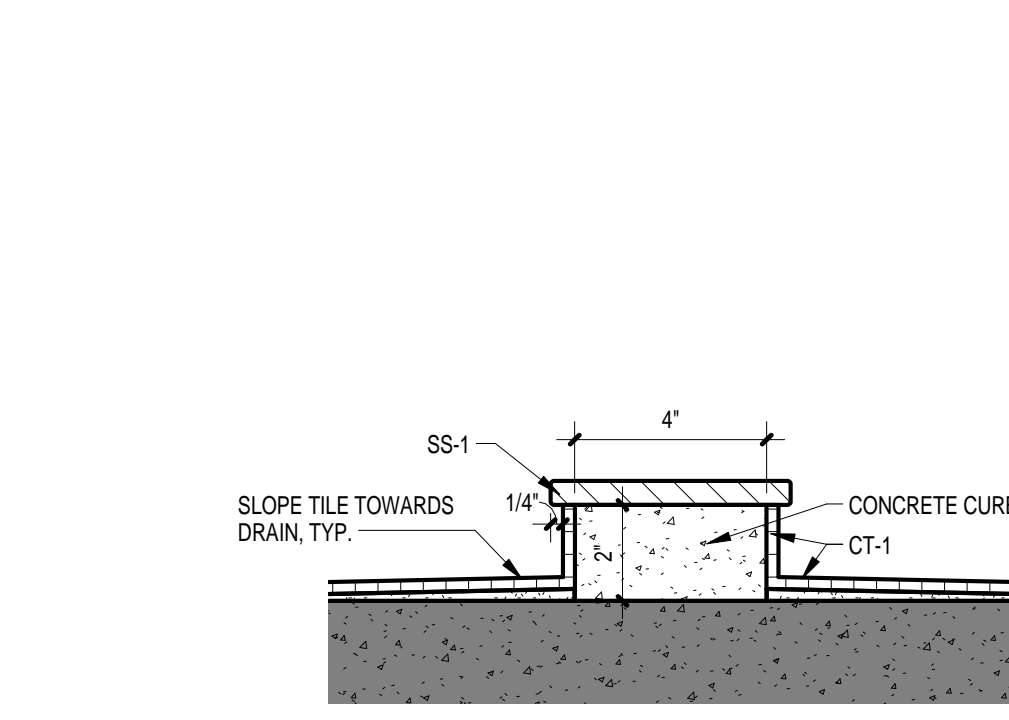
10 WALL CAP DETAIL  
 A3.4 3" x 1'-0" REFERENCE ON: A3.2



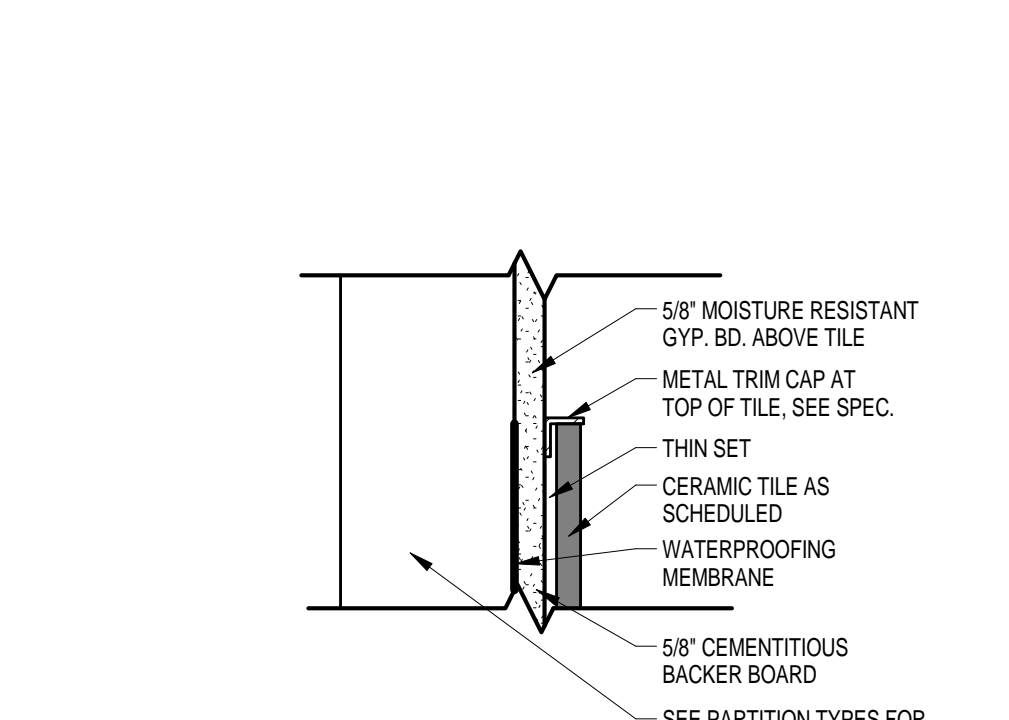
11 TYP. WALL DETAIL AT OUTSIDE CORNERS  
 A3.4 3" x 1'-0" REFERENCE ON: A3.2



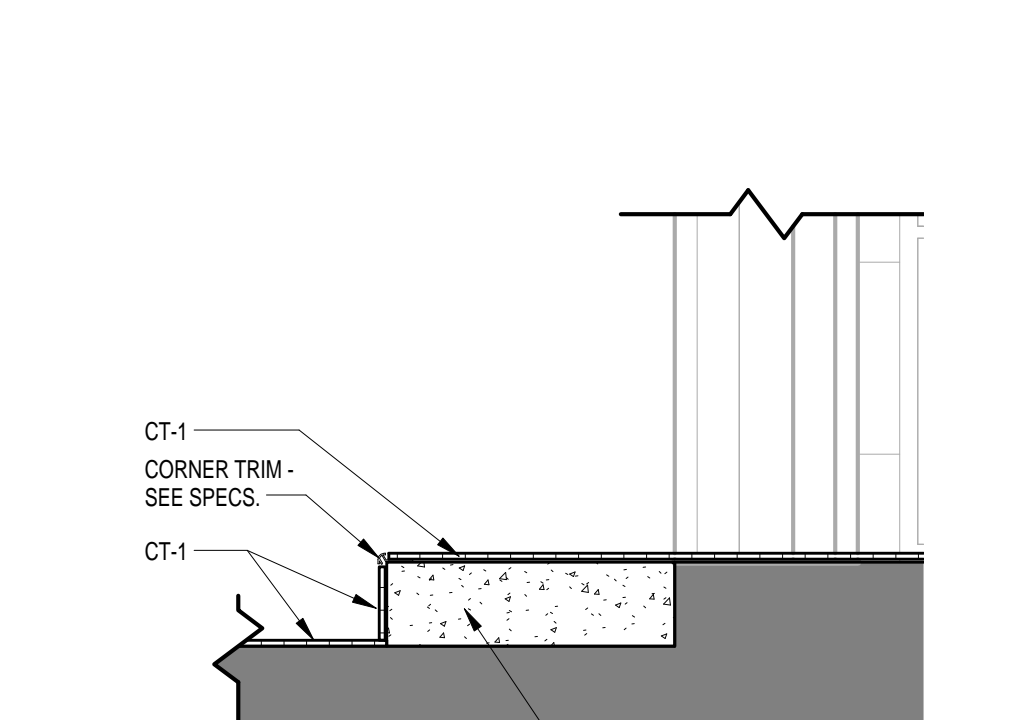
12 SECTION DETAIL - SHOWER CURB  
 A3.4 3" x 1'-0" REFERENCE ON: A3.2



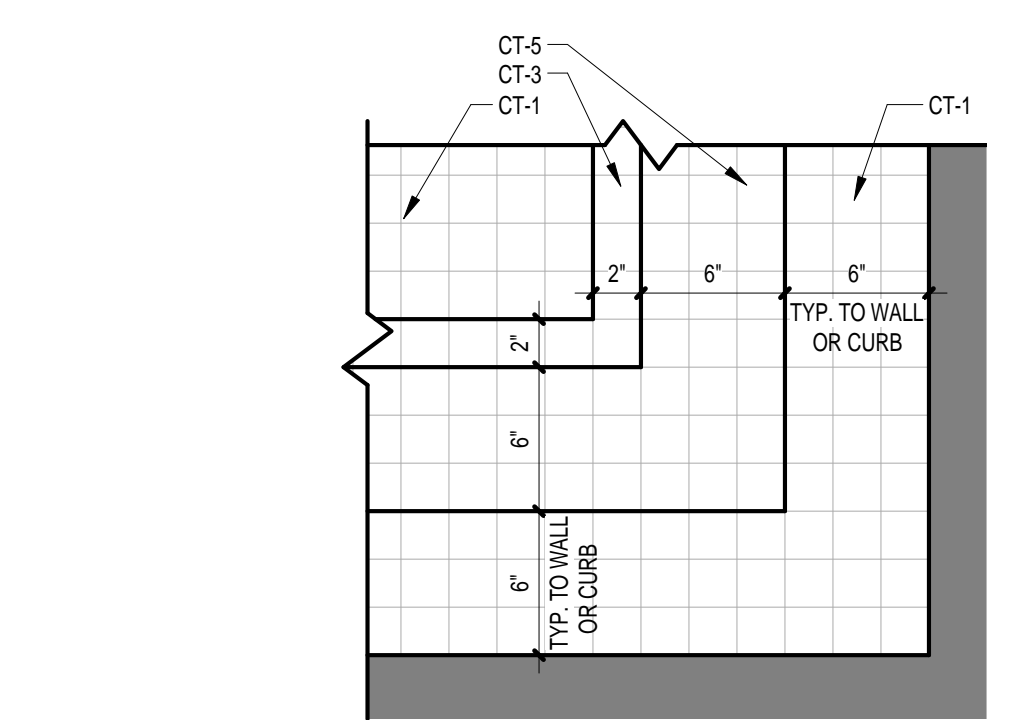
13 SECTION DETAIL - SHOWER CURB  
 A3.4 3" x 1'-0" REFERENCE ON: A3.3



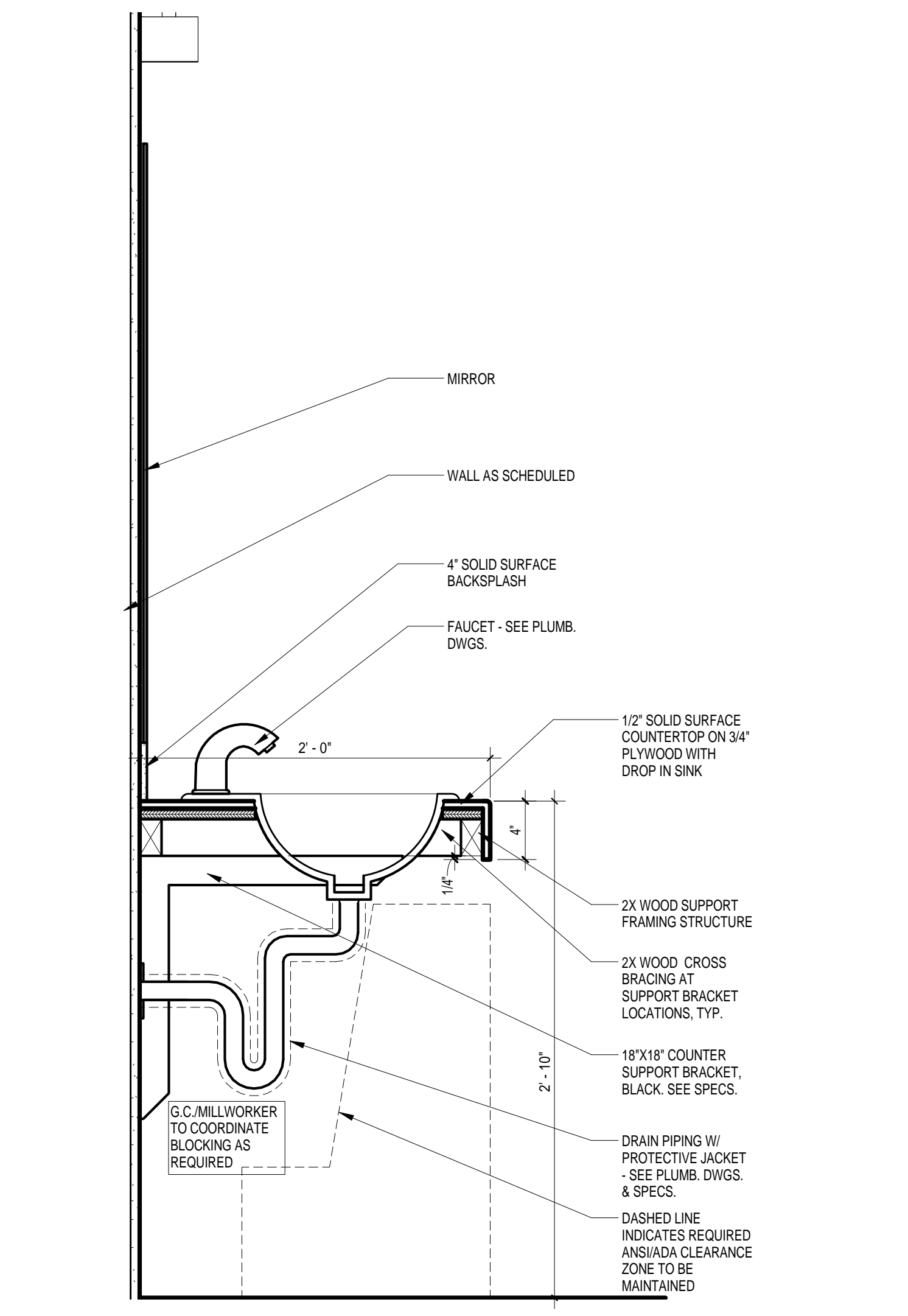
14 TYP. WALL CAP DETAIL AT EXPOSED EDGE CONDITIONS  
 A3.4 3" x 1'-0" REFERENCE ON: A3.2



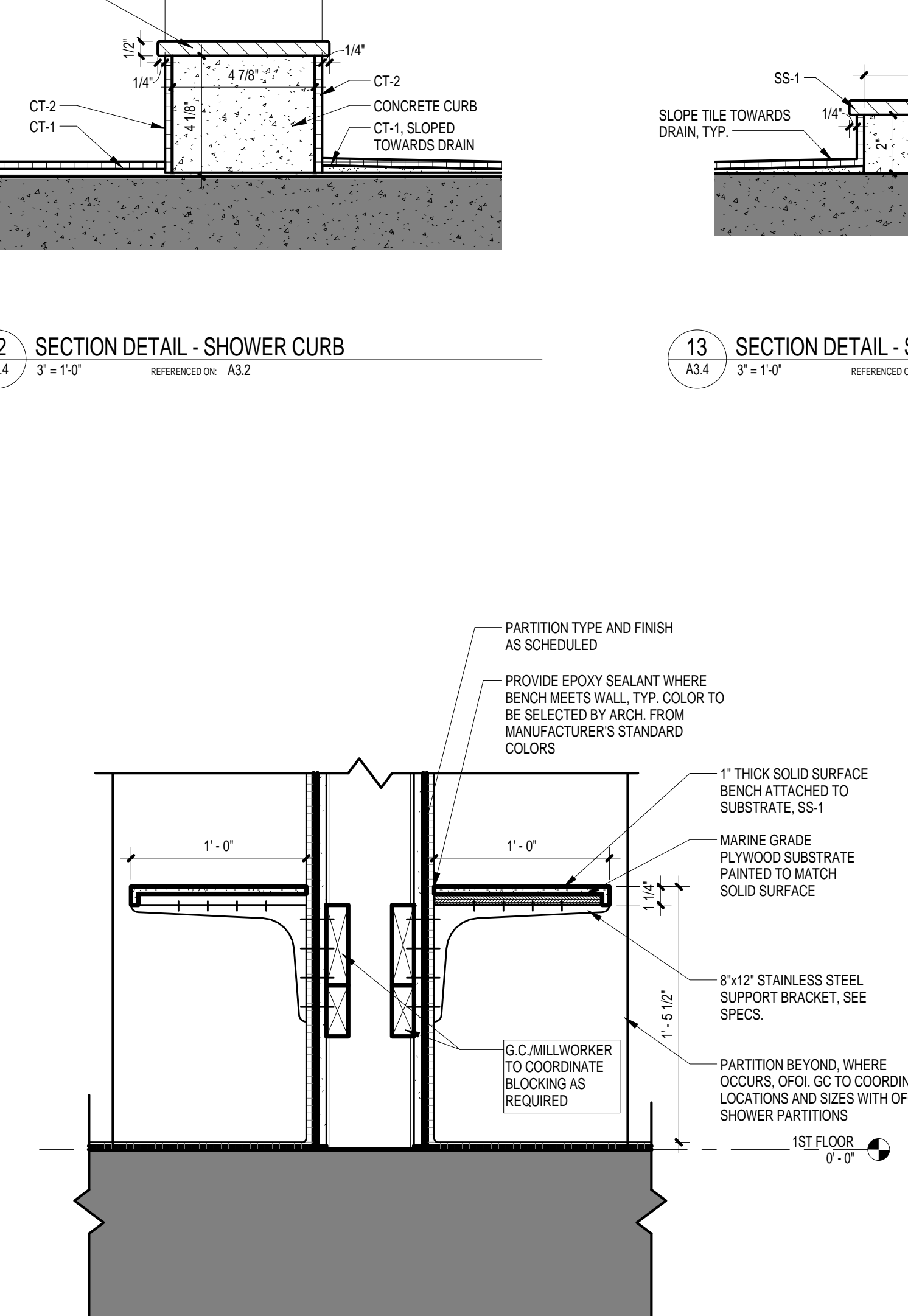
15 SECTION @ WOMEN'S COACH LOCKER ROOM  
 A3.4 1'-0" x 1'-0" REFERENCE ON: A3.2



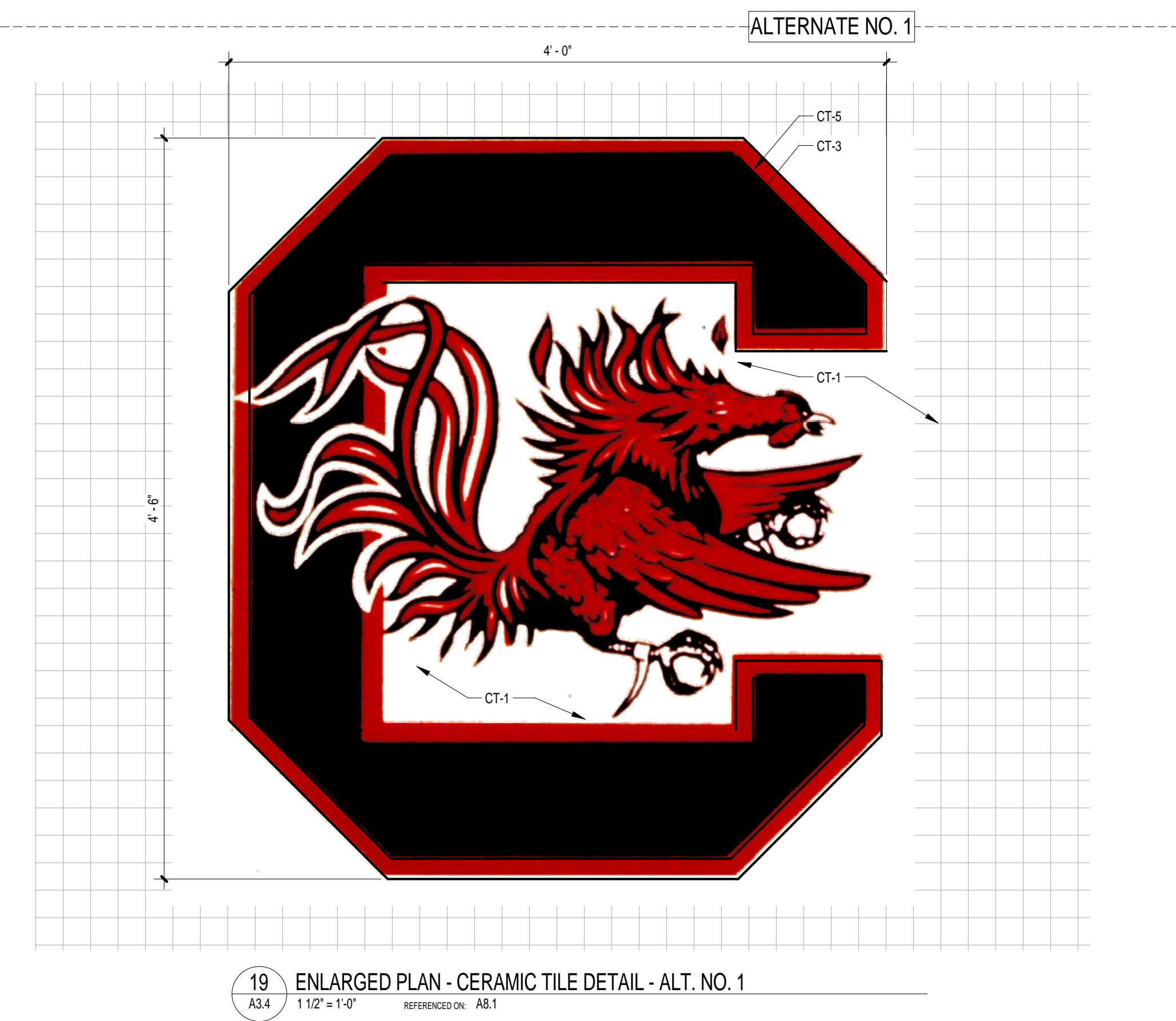
16 ENLARGED FLOOR TILE PLAN  
 A3.4 1'-0" x 1'-0" REFERENCE ON: A3.1



17 TYP. VANITY COUNTER SECTION  
 A3.4 1'-0" x 1'-0" REFERENCE ON: A3.2



18 SECTION DETAIL - BENCH  
 A3.4 1'-0" x 1'-0" REFERENCE ON: A3.3



19 ENLARGED PLAN - CERAMIC TILE DETAIL - ALT. NO. 1  
 A3.4 1'-0" x 1'-0" REFERENCE ON: A3.1

ALTERNATE NO. 1  
 PROVIDE (2) TOTAL CERAMIC TILE BLOCK C USC LOGOS AS SHOWN IN ROOMS  
 WOMEN'S LOCKER ROOM 136 AND MEN'S LOCKER ROOM 127 AND INDICATED ON  
 A3.1 AND DETAIL 19A3.4. BASE BID SHALL BE CT-1.

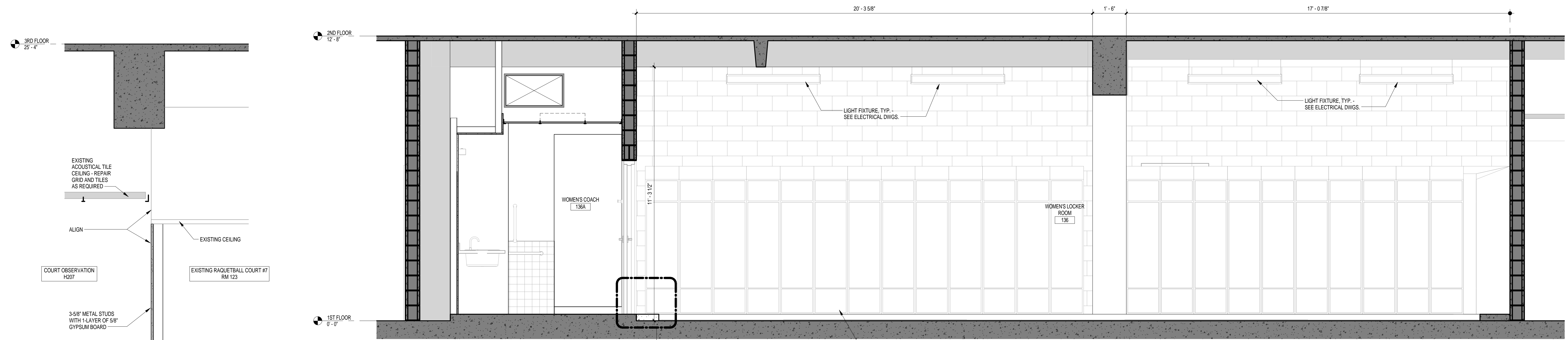
6/3/2014 10:06:28 AM

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REVISIONS	NO.
DRAWN BY:	CHECKED BY:
AUTHZ:	CHKD:

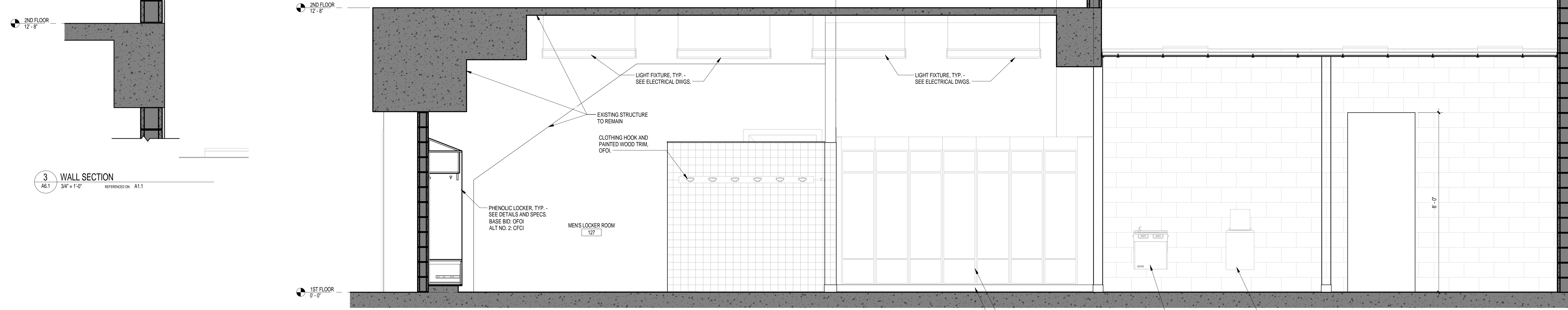
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z158

PROJECT NO.	DATE
1032.13	06.02.14
DATE	

DRAWING TITLE	DRAWING NO.
INTERIOR ELEVATIONS AND DETAILS	A3.4



1 BUILDING SECTION AT WOMEN'S LOCKER ROOM  
 A6.1 1/2" = 1'-0" REFERENCED ON: A1.1



2 BUILDING SECTION AT MEN'S LOCKER ROOM  
 A6.1 1/2" = 1'-0" REFERENCED ON: A1.1

3 WALL SECTION  
 A6.1 3/4" = 1'-0" REFERENCED ON: A1.1

PROJECT TITLE  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z158

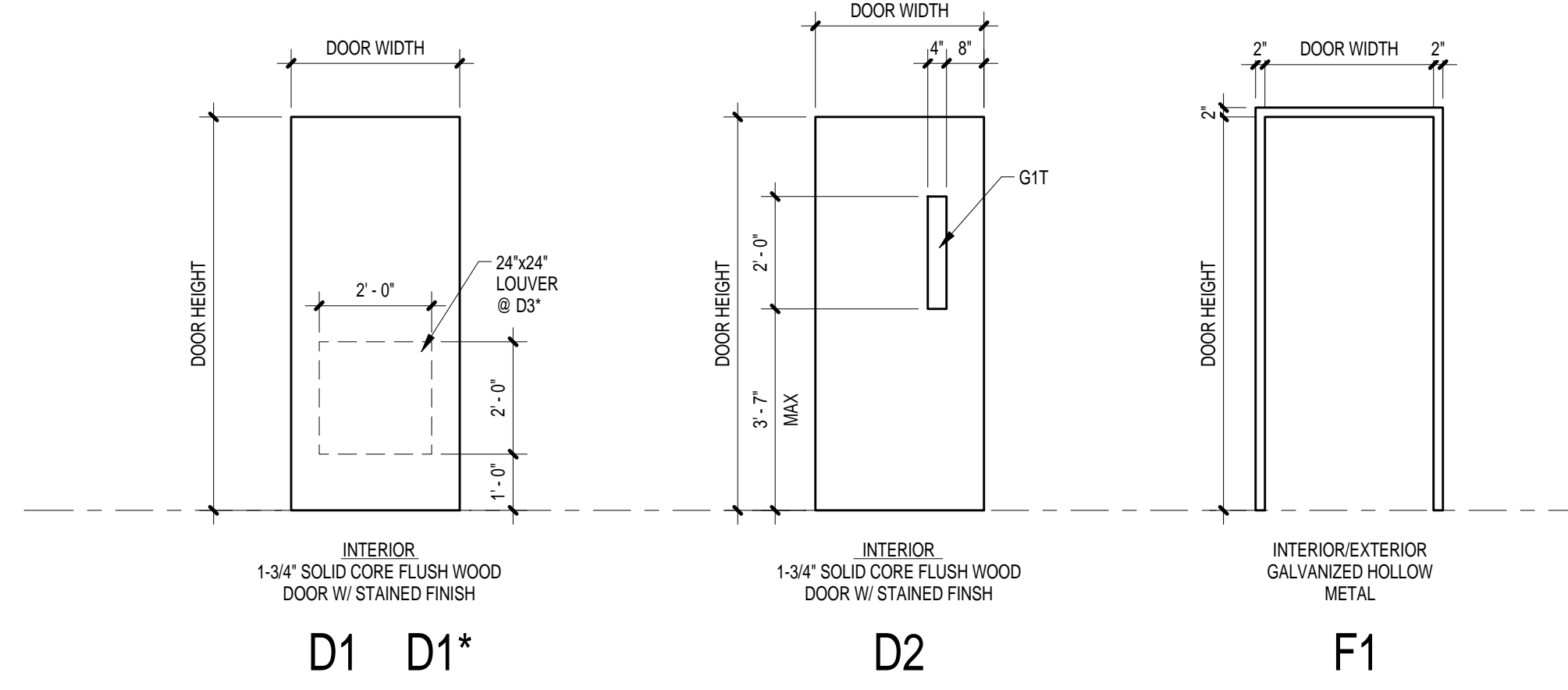
NO.	REVISIONS	DATE

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PROJECT NO.  
 L03E.13  
 DATE  
 06.02.14  
 DRAWING NO.  
**A6.1**

DOOR SCHEDULE										
MARK	WIDTH	HEIGHT	DOOR TYPE	FRAME TYPE	HEAD	JAMB	SILL	RATING	HDWR	REMARKS
127A	3'-0"	7'-0"	EX	EX						
127B	3'-0"	7'-0"	EX	EX						
127CA	3'-0"	7'-0"	D1	F1	H1	J1				
127CB	3'-0"	7'-0"	D1	F1	H3	J2				
127DA	3'-0"	7'-0"	D1	F1	H3	J2				
127EA	3'-0"	7'-0"	D1	F1	H3	J2				
133A	3'-0"	7'-0"	D1	F1	H2	J1				
133AA	3'-0"	7'-0"	D1	F1	H2	J1				
133BA	3'-0"	7'-0"	D1	F1	H1	J1				
136AA	3'-0"	6'-8"	D1	F1	H2	J1				
136BA	3'-0"	7'-0"	EX	EX						
136FA	3'-0"	7'-0"	D1	F1	H1	J1				
136FB	3'-0"	7'-0"	D1	F1	H2	J1				
136GA	3'-0"	7'-0"	EX	EX						
136HA	3'-0"	7'-0"	D1	F1	H3	J2				
136JA	3'-0"	7'-0"	D2	F1	H3	J2				
136KA	3'-0"	7'-0"	D1	F1	H3	J2				
147A	3'-0"	7'-0"	EX	EX						
H124A	3'-0"	7'-0"	EX	EX						
H124B	3'-0"	7'-0"	EX	EX						

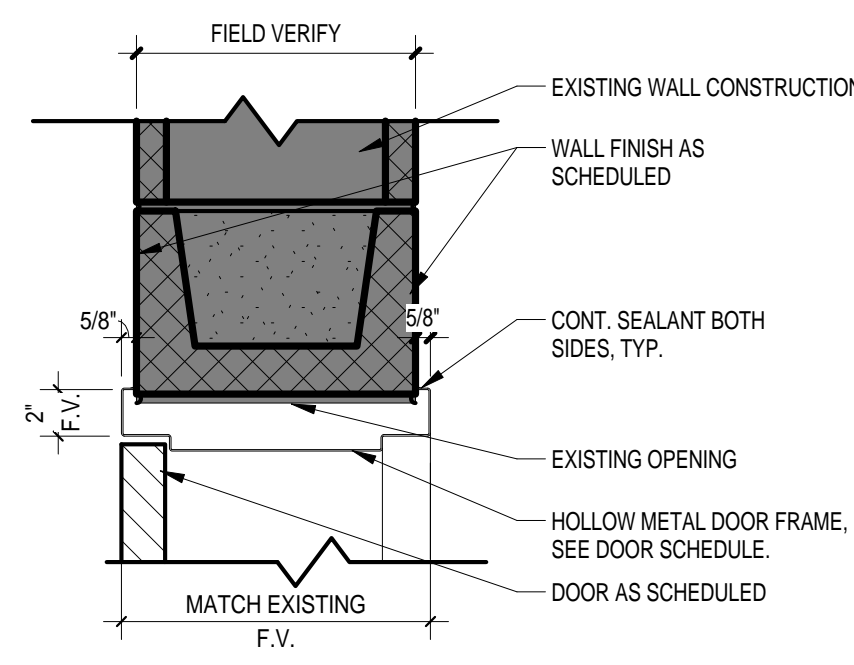


LEGEND - GLAZING TYPES

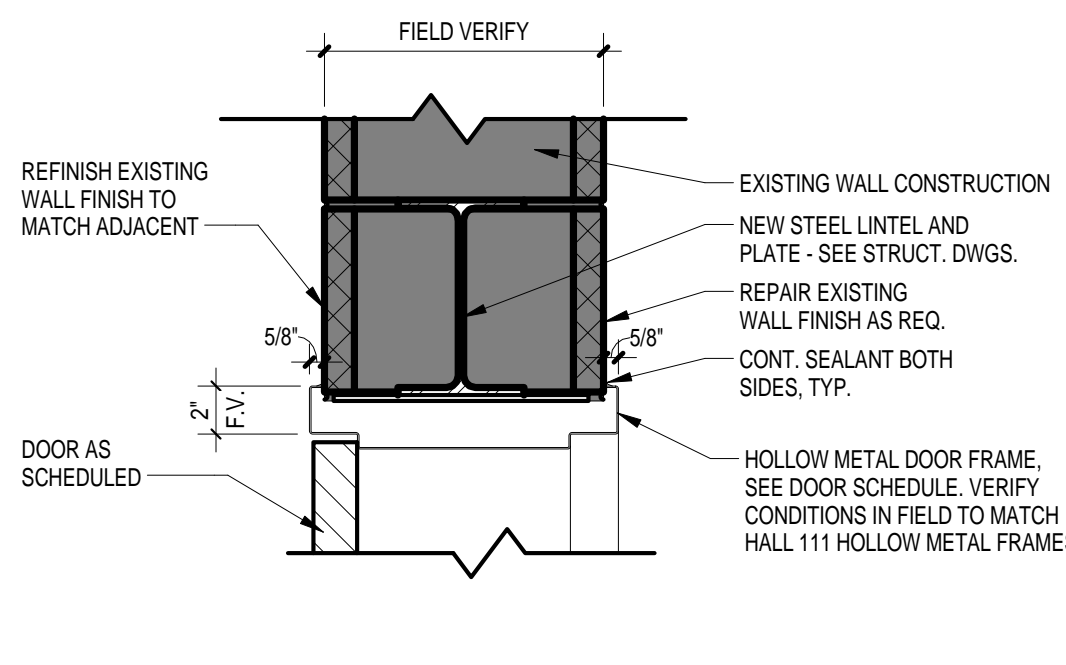
GLASS TYPE	DISCRPTION
G1	1/4-INCH CLASS 1 CLEAR FLOAT GLASS
G1T	SAME AS G1 WITH 1/4\"/>

NOTES:  
 1. SEE SPECIFICATIONS FOR ADDITIONAL GLASS TYPE INFORMATION.  
 2. PROVIDE SAFETY OR TEMPERED GLASS WHERE REQUIRED BY CURRENT INTERNATIONAL BUILDING CODE.

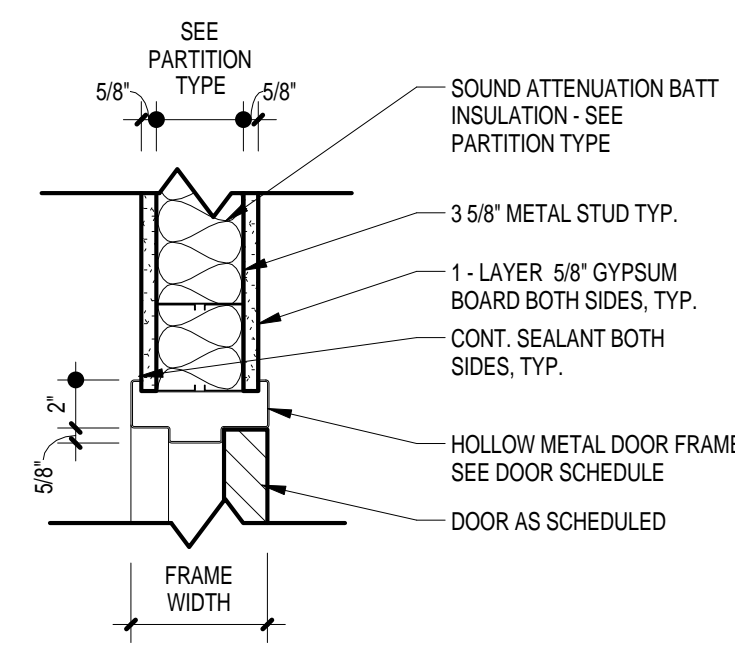
DOOR/ FRAME TYPES



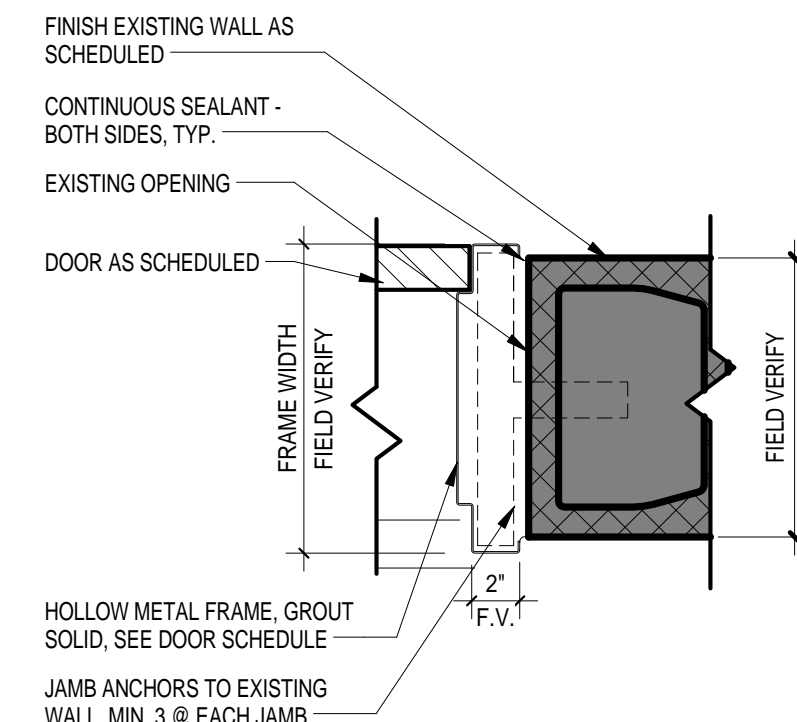
H1 HEAD SECTION DETAIL  
 A7.1 1 1/2\"/>



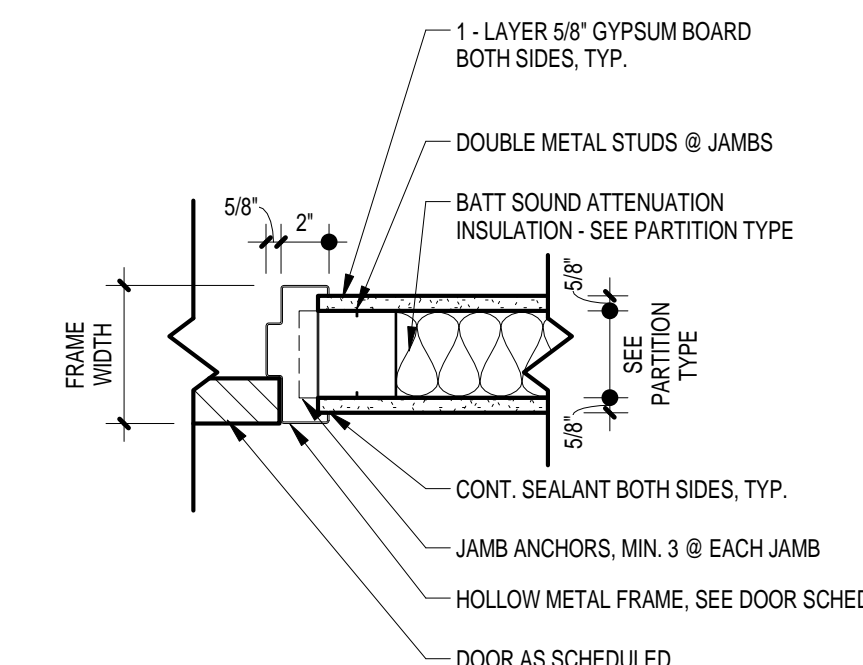
H2 HEAD SECTION DETAIL  
 A7.1 1 1/2\"/>



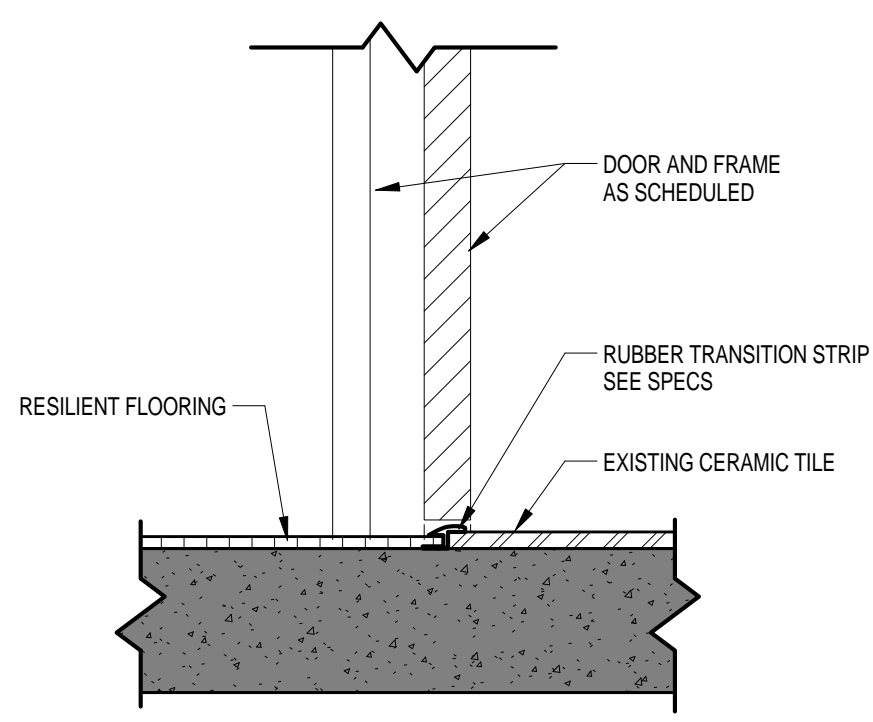
H3 HEAD SECTION DETAIL  
 A7.1 1 1/2\"/>



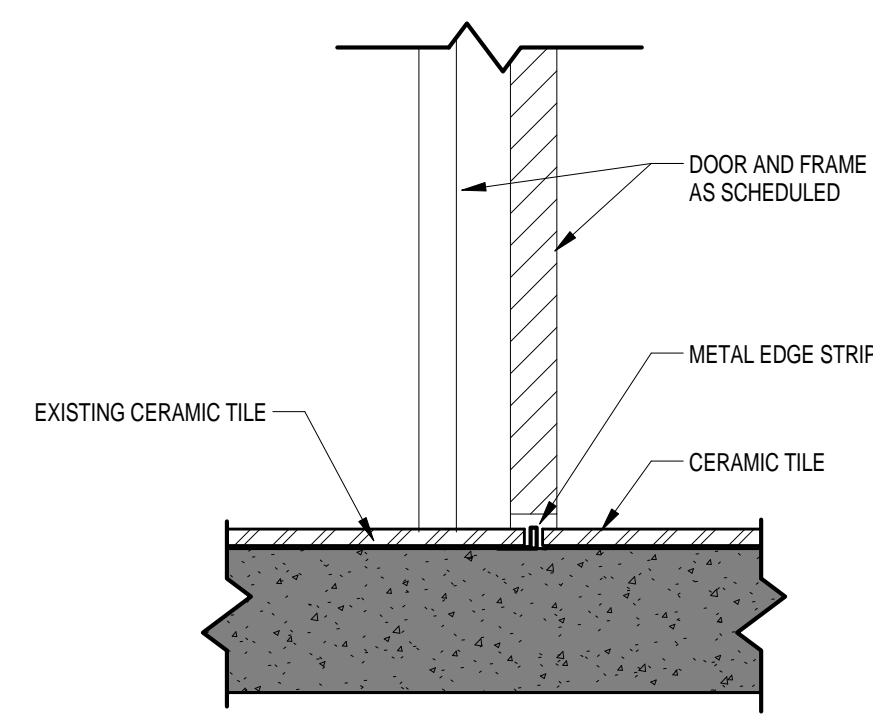
J1 JAMB PLAN DETAIL  
 A7.1 1 1/2\"/>



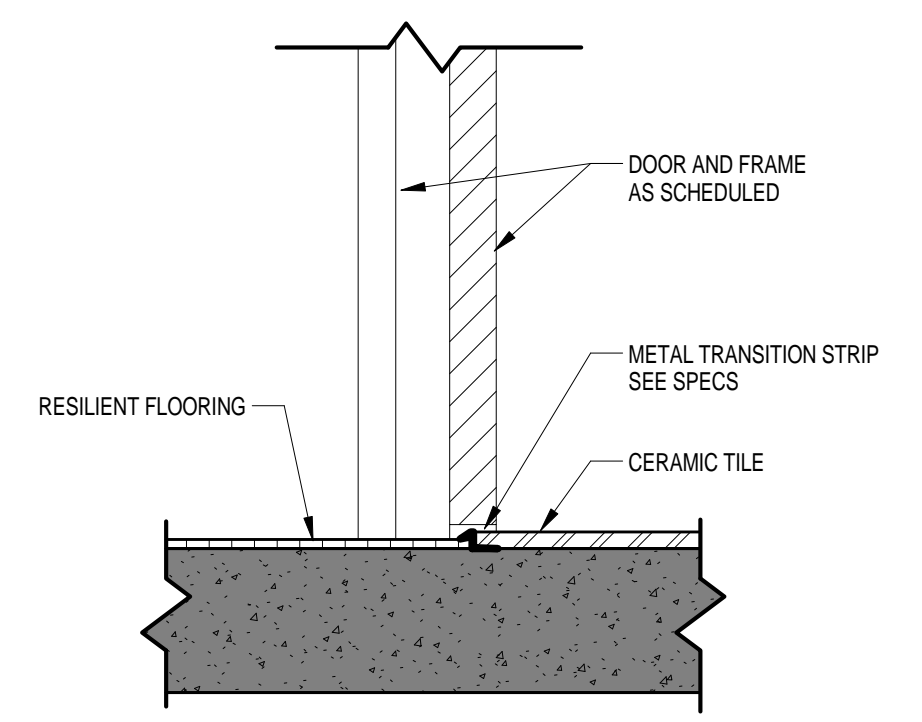
J2 JAMB PLAN DETAIL  
 A7.1 1 1/2\"/>



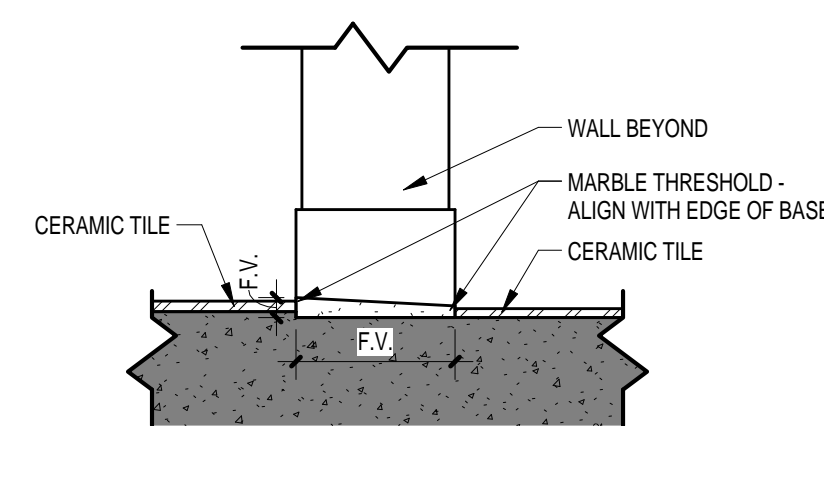
1 FT1  
 A7.1 1 1/2\"/>



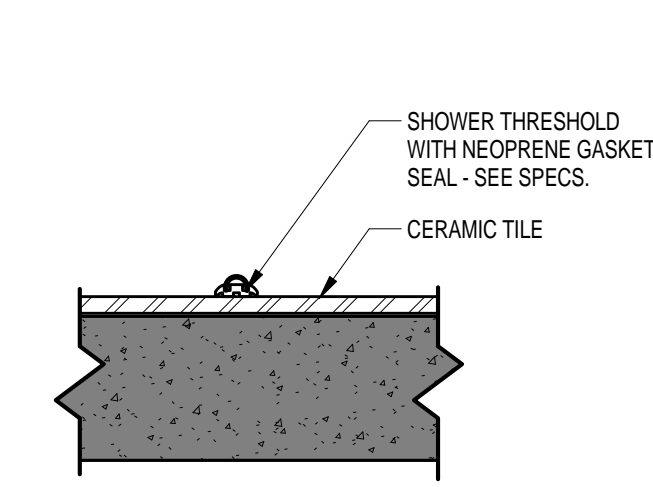
2 FT2  
 A7.1 1 1/2\"/>



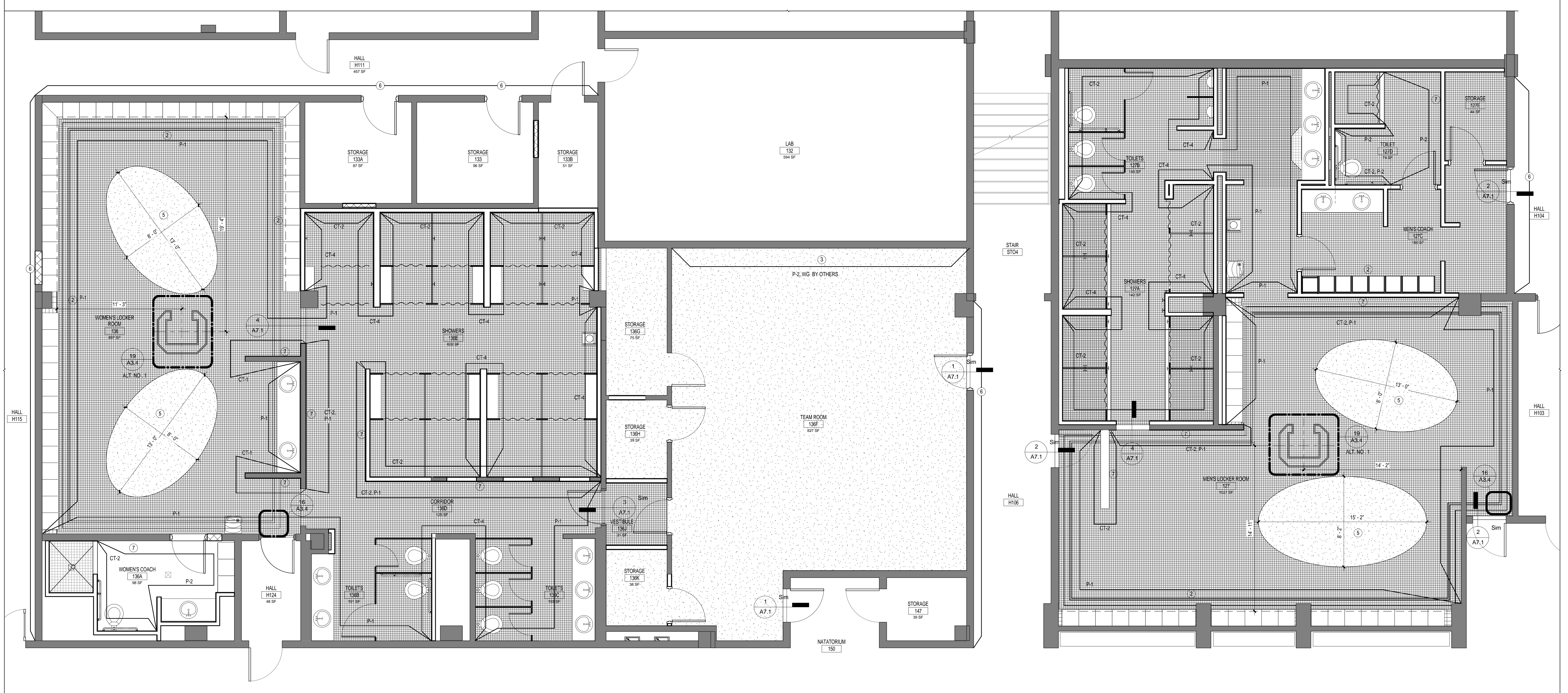
3 FT3  
 A7.1 1 1/2\"/>



4 FT4  
 A7.1 1 1/2\"/>



5 FT5  
 A7.1 1 1/2\"/>



**1 FIRST FLOOR PLAN**  
 A8.1 1/4" = 1'-0" REFERENCED ON: A3.1

ROOM NO.	ROOM NAME	BASE	FLOOR	FINISH SCHEDULE - LOCKER ROOMS/TEAM ROOM				CEILING	COMMENTS
				WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST		
127	MEN'S LOCKER ROOM	CTB-1	CT-1,3,5,RSF-2	CT-2,P-1	P-1	P-1	P-1	EXP STR/P-1, DAC	2,7,9
127A	SHOWERS	CTB-1	CT-1	CT-4	CT-2,4	CT-2,4	CT-2,4	PL/P-1,GB/P-1	
127B	TOILETS	CTB-1	CT-1	CT-2	P-1,CT-4	CT-2,4	CT-2	APC-1,GB/P-1	
127C	MEN'S COACH	CTB-1	CT-1	P-2	P-2	P-2	P-2	APC-1,GB/P-1	2
127D	TOILET	CTB-1	CT-1	CT-2,P-2	P-2	CT-2,P-2	CT-2,P-2	APC-1,PL/P-1	7
127E	STORAGE	CTB-1	CT-1	P-1	P-1	P-1	P-1	APC-2	
133	STORAGE	--	--	--	--	--	--	EXP STR	
133A	STORAGE	--	--	--	--	--	--	EXP STR	
133B	STORAGE	--	--	--	--	--	--	EXP STR	
136	WOMEN'S LOCKER ROOM	CTB-1	CT-1,3,5,RSF-2	P-1,CT-2	P-1	P-1,CT-2	P-1	EXP STR/P-1, DAC	2,5,7,9
136A	WOMEN'S COACH	CTB-1	CT-1	P-2,CT-2	P-2	P-2,CT-2	P-2,CT-2	APC-1,PL/P-1,GB/P-1	2,7
136B	TOILETS	CTB-1	CT-1	P-1	CT-4	P-1	P-1	APC-1,GB/P-1	
136C	TOILETS	CTB-1	CT-1	P-1	P-1	P-1	CT-4	APC-1,GB/P-1	
136D	CORRIDOR	CTB-1	CT-1	CT-2, P-1	CT-2, P-1	CT-4, P-1	CT-2, P-1	APC-1	
136E	SHOWERS	CTB-1	CT-1	CT-2	CT-4,P-1	CT-2	CT-2,4,P-1	APC-1,PL/P-1	7
136F	TEAM ROOM	RB-1	RSF-1	P-2	P-2	P-2	P-2	APC-2, DAC	3,9
136G	STORAGE	RB-1	RSF-1	P-2	P-2	P-2	P-2	APC-2	
136H	STORAGE	RB-1	RSF-1	P-2	P-2	P-2	P-2	APC-2	
136J	VESTIBULE	RB-1	RSF-1	P-2	P-2	P-2	P-2	APC-2	
136K	STORAGE	RB-1	RSF-1	P-2	P-2	P-2	P-2	APC-2	
150	NATATORIUM	--	--	--	--	--	--	--	
H103	HALL	--	--	--	--	--	--	--	8
H104	HALL	--	--	--	--	--	P-EX	--	6,8
H106	HALL	--	--	--	--	--	P-EX	--	6,8
H111	HALL	--	--	--	--	P-EX	--	--	6,8
H115	HALL	--	--	--	--	--	--	--	6,8
H124	HALL	--	--	P-1	P-1	P-1	P-1	APC-1	
STO4	STAIR	--	--	--	--	--	--	--	

ABBREVIATION	DESCRIPTION	MANUFACTURER, COLOR, STYLE
<b>BASE</b>		
CTB-1	CERAMIC TILE BASE, COVERED	AMERICAN OLEAN, 4X 8 GLOSS BLACK #0049
RB-1 (OFOI)	RESILIENT BASE	JOHNSONITE RECESS WALL BASE, COLOR # 40 BLACK, OFOI
<b>FLOORS</b>		
RSF-1 (OFOI)	RESILIENT FLOORING	FORBO, FLOTEX CALGARY #20010 ASH, OFOI
RSF-2 (OFOI)	RESILIENT FLOORING-AREA RUGS	FORBO, FLOTEX SENYA #234049 RED, OFOI
CT-1	CERAMIC TILE - GREY SPECKLED	AMERICAN OLEAN, 2X2 MOSAIC, COLOR: A34 LIGHT SMOKE SPECKLED
CT-3	CERAMIC TILE - BLACK	AMERICAN OLEAN, 2X2 MOSAIC, COLOR: A38 BLACK
CT-5	CERAMIC TILE - GARNET	AMERICAN OLEAN, 2X2 MOSAIC, COLOR: A42 CINNABAR
<b>WALLS</b>		
CT-2	CERAMIC TILE	AMERICAN OLEAN, 4X4 CERAMIC, COLOR: 0095 SNOW MIST
CT-4	CERAMIC TILE	AMERICAN OLEAN, 4X4 CERAMIC, COLOR: 0072 POMEGRANATE
P-1	PAINT - "WHITE" - EGGSHELL, FLAT (CEILING)	TO MATCH SHERWIN WILLIAMS SW7827 "ZURICH WHITE"
P-2	PAINT - "GRAY" - EGGSHELL	TO MATCH SHERWIN WILLIAMS SW7015 "REPOSE GRAY"
P-3	PAINT - "GARNET" - SEMI-GLOSS	TO MATCH SHERWIN WILLIAMS SW7933 "CRABBY APPLE"
P-4	PAINT - "BLACK" - SEMI-GLOSS TRIM; FLAT (CEILING)	TO MATCH SHERWIN WILLIAMS SW653 "TRICORN BLACK"
P-5	PAINT - EX. GARNET - SEMI-GLOSS	TO MATCH SHERWIN WILLIAMS SW6328 FIREWEEK
<b>CEILING</b>		
APC-1	MOISTURE GUARD CEILING TILE	ARMSTRONG CERAMAGUARD, #607 OR APPROVED EQ.
APC-2	STANDARD CEILING TILE	ARMSTRONG GEORGIAN, #794 OR APPROVED EQ.
DAC	DECORATIVE ACCENT CANOPIES	ARMSTRONG INFUSIONS #54051 24X36 APC PANEL, 54052, CABLES-CHANNELED CARIBBEAN
PL	PLASTER	PLASTER CEILING, PAINTED, P-1, SEE SPEC.
<b>CASEWORK</b>		
SS-1	SOLID SURFACE LAYS AND CAPS	WILSONART GIBRALTAR - STARDUST SPECTRA #9085T
SS-2	SOLID SURFACE THRESHOLDS	WILSONART GIBRALTAR - PARIS FOG #9110CS
SP	SOLID PHENOLIC-FACE CORE	MFR. STD. BLACK
<b>MISCELLANEOUS</b>		
HMP	HOLLOW METAL/FRAMES-PAINTED	PAINT TO MATCH P-4 "BLACK"-INCLUDES ALL DOORS TO RENOVATED SCOPE
WG	WALL GRAPHIC	INSTALLED BY OTHERS, N.L.C. PAINT EG-SHELL BENEATH
TP	TOILET PARTITIONS	SCHWABER PRODUCTS, SOLID PLASTIC, COLOR: BURGUNDY OR APFD EQ. COLOR

- COMMENTS**
1. PAINT ALL CEILING SURFACES, EXPOSED DUCTS AND CONDUIT, P-1.
  2. PAINT WALLS TO RECEIVE LOCKERS 1/8" INSIDE LOCKER PERIMETER DIMENSIONS, AND TO FULL EXTENT OF WALL ABOVE AND BESIDE LOCKERS.
  3. WALL GRAPHIC (WG) TO BE COORDINATED BY OWNER, PAINT P-1 ON SUBSTRATE
  4. PAINT ALL DOORS AND FRAMES IN SCOPE. AT INTERIOR DOORS (INSIDE THIS SCOPE) PAINT DOORS, P-3 BOTH SIDES, UN.O.; ALL DOORS TO EXISTING CORRIDORS, TO MATCH ADJACENT DOOR COLOR; ALL FRAMES, P-4, TYP.
  5. RF-2 AREA RUGS ARE CUT AND SEALED TO SIZES INDICATED, FREE LAY ON TILE FLOOR, NO GLUE. (RSF-2, OFOI)
  6. PAINT EXISTING WALLS AT AREA OF NEW DOOR/FRAME CONSTRUCTION, TO NEAREST CORNER. MATCH COLOR AND SHEEN OF EXISTING FINISH.
  7. PAINT WOOD TRIM RAIL FOR CLOTHING HOOKS, MATCH ADJACENT WALL SURFACE. (WOOD TRIM AND HOOKS, OFOI).
  8. CEILING MODIFICATION REQUIRED FOR MECHANICAL WORK, REMOVE/REPLACE AS REQUIRED; MATCH EXISTING. SEE RCP.
  9. "DAC" CEILING CANOPIES ARE INCLUDED IN ALTERNATE NO. 1.
  10. FOR TILE WALLS: INSTALL MOISTURE BARRIER AT WET WALLS ONLY (SHOWERS AND TOILET WALLS)

NO.	REVISIONS	DATE

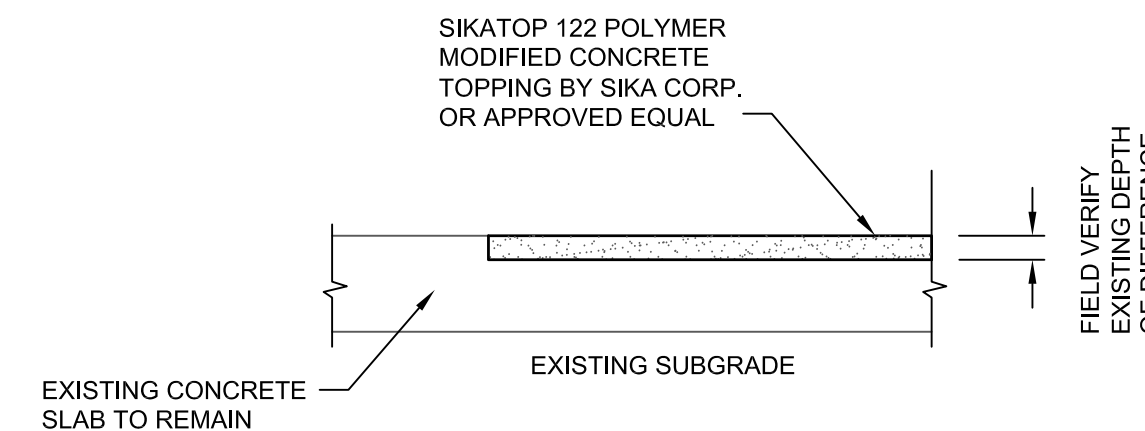
**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center Project  
 No. H27-Z158

DRAWN BY:	CHECKED BY:	AUTHOR:	CHECKER:

PROJECT NO.	DATE	DRAWING NO.
U028.13	08.02.14	<b>A8.1</b>

**GENERAL NOTES:**

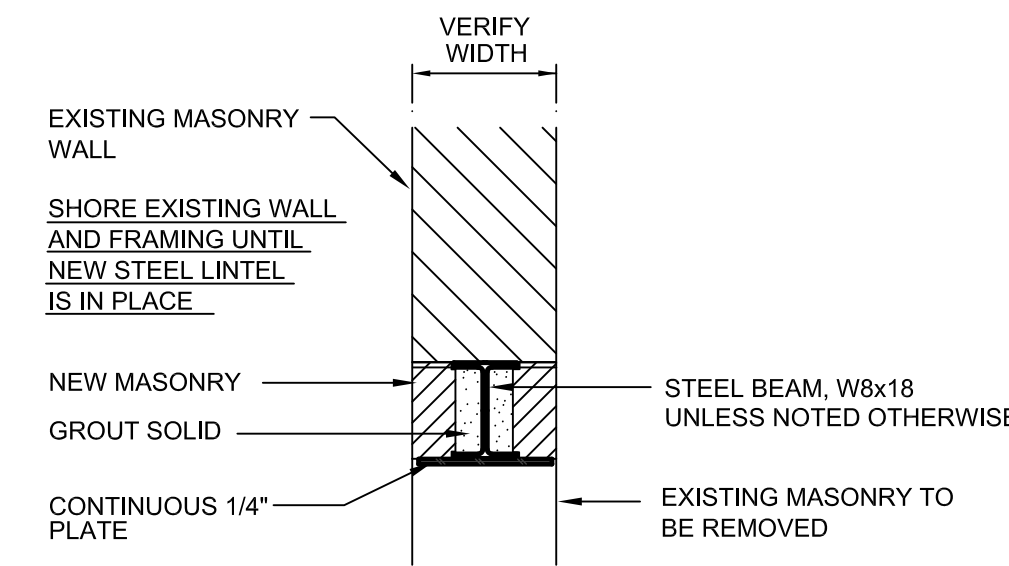
1. LOADS:
  - A. LIVE LOADS:
    - ASSEMBLY..... 100 PSF, 2000 LB CONCENTRATED
  - B. DEAD LOADS: ACTUAL WEIGHTS OF MATERIALS, EQUIPMENT, AND ETC.
  - C. ROOF, SNOW, WIND, AND SEISMIC LOADS:
    - EXISTING BUILDING NOT BROUGHT UP TO MEET REQUIREMENTS OF CURRENT BUILDING CODE.
2. BUILDING CODE- INTERNATIONAL BUILDING CODE 2012
3. CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:
  - NORMAL WEIGHT (150 PCF) 4000 PSI FOR ALL CONCRETE.
  - LIMIT FLY ASH CONTENT TO 25% MAXIMUM BY WEIGHT.
4. ALL REINFORCING BARS TO HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI.
5. FOOTINGS ARE LOCATED AT COLUMN LINES OR CENTER OF WALLS UNLESS SHOWN OTHERWISE ON PLANS.
6. CONCRETE FORMWORK:
  - A. ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI STANDARD 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.
  - B. RESPONSIBILITY: THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FORM, SHORES, BACKSHORES, FALSEWORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPOSED INCLUDING THE WET WEIGHT OF CONCRETE, CONSTRUCTION EQUIPMENT, LIVE LOAD, LATERAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - C. TOLERANCE: UNLESS SPECIFIED OTHERWISE, ALL TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO ACI STANDARD 117, STANDARD TOLERANCE FOR CONCRETE CONSTRUCTION AND MATERIALS.
  - D. ALL PERMANENTLY VISIBLE EDGES OF CONCRETE SHALL HAVE A 3/4" CONTINUOUS CHAMFER. THIS INCLUDES ALL SLABS, BEAMS, COLUMNS, AND WALLS.
7. CHECK WITH VARIOUS TRADES FOR SLEEVES, OPENINGS, CONDUITS, ETC. BEFORE POURING CONCRETE.
8. PROVIDE AND INSTALL ALL PLATES, ANGLES, REINFORCING, ETC., EMBEDDED IN CAST-IN-PLACE CONCRETE.
9. SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
10. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS BEFORE ANY FABRICATION HAS STARTED.
11. PROVIDE AND INSTALL ALL TEMPORARY BRACING AS REQUIRED FOR SAFETY/STABILITY OF THE STRUCTURE UNTIL STRUCTURE IS COMPLETE.
12. ALL CONCRETE SLABS ON GRADE TO BE 4" THICK REINFORCED WITH WELDED WIRE FABRIC 6x6-W1.4xW1.4, UNLESS NOTED OTHERWISE REFER TO FOUNDATION PLAN FOR SLAB THICKNESS AND REINFORCING REQUIREMENTS.
13. ALL CONCRETE SLABS TO SLOPE TO FLOOR DRAINS, IN ROOMS OR AREAS THAT HAVE FLOOR DRAINS. SEE ARCHITECTURAL PLANS AND PLUMBING PLANS FOR LOCATIONS. FIELD VERIFY EXISTING CONDITIONS.
14. ALL REINFORCING REBARS SHALL HAVE CLASS "A" TENSION SPLICES UNLESS NOTED OR SPECIFIED OTHERWISE.
15. DRAWINGS INDICATE GENERAL ARRANGEMENT AND DIMENSIONS AND ARE GENERALLY DRAWN TO SCALE. HOWEVER, SCALE DIMENSIONS SHALL NOT BE USED. OBTAIN DIMENSIONS FROM ARCHITECT. WHEN NOT GIVEN IN FIGURES, REFER TO THE ARCHITECT AND ENGINEER IF ANY INCONSISTENCIES ARE FOUND.
16. WHERE CONFLICTS EXIST BETWEEN STRUCTURAL AND ARCHITECTURAL, USE STRUCTURAL FOR ITEMS RELATING TO STRUCTURAL STRENGTH SUCH AS VERTICAL REINFORCING IN CONCRETE WALLS, FOOTING SIZE, FOOTING ELEVATION, REINFORCING, MEMBER SIZE, ETC.
17. STRUCTURAL STEEL:
  - A. STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, UNLESS NOTED OTHERWISE ON PLANS:
    - a. ALL ROLLED ANGLES, CHANNELS, PLATES, BARS, ETC A36 (Fy=36ksi).
    - b. ALL ROLLED W SHAPES, BEAMS, COLUMNS, ETC A992 (Fy=50ksi).
    - c. STRUCTURAL STEEL PIPE ----- A53 (Fy=35ksi)
    - d. STRUCTURAL STEEL TUBE ----- A500 (Fy=48ksi)
  - B. BOLTED CONNECTIONS:
    - a. ALL CONNECTIONS (UNLESS NOTED OTHERWISE) SHALL BE MADE WITH 3/4" DIAMETER A-325X OR A-490X BOLTS.
    - b. ALL FIELD BOLTED CONNECTIONS SHALL BE LOAD INDICATOR/TENSION CONTROL TYPE BOLTS, UNLESS NOTED OTHERWISE
    - c. OVERSIE OR LONG SLOTTED HOLES ARE NOT ALLOWED UNLESS SHOWN ON STRUCTURAL PLANS.
    - d. THE SHOP DRAWINGS SHALL CLEARLY INDICATE THE TYPE OF BOLTS USED IN EACH CONNECTION AND THE ALLOWABLE VALUES USED FOR THE VARIOUS BOLT TYPES.
    - e. THE FOLLOWING MINIMUM STANDARDS APPLY:
      - (1) MINIMUM PLATE THICKNESS = 3/8"
      - (2) MINIMUM BOLT DIAMETER = 3/4"
      - (3) MINIMUM WELD = 3/16" THICK THROAT
      - (4) MINIMUM DESIGN LOAD ON ANY CONNECTION = 15kips
  - C. WELDED CONNECTIONS:
    - a. ALL SHOP AND FIELD WELDING SHALL CONFORM TO AWS STRUCTURAL WELDING CODE-STEEL, ANS/AWS - D1.1
    - b. MINIMUM WELD = 3/16" THICK THROAT



CLEAN AND PREPARE EXISTING CONCRETE TO RECEIVE FILLER/ TOPPING SLAB.  
FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION, PROCEDURES, AND WORKMANSHIP.  
PROVIDE COURSE AGGREGATE IN THE MIX WHEN DEPTH IS GREATER THAN 1" IN DEPTH PER MANUFACTURER'S RECOMMENDATIONS.  
EQUAL PRODUCTS SHALL BE SUBMITTED FOR REVIEW.

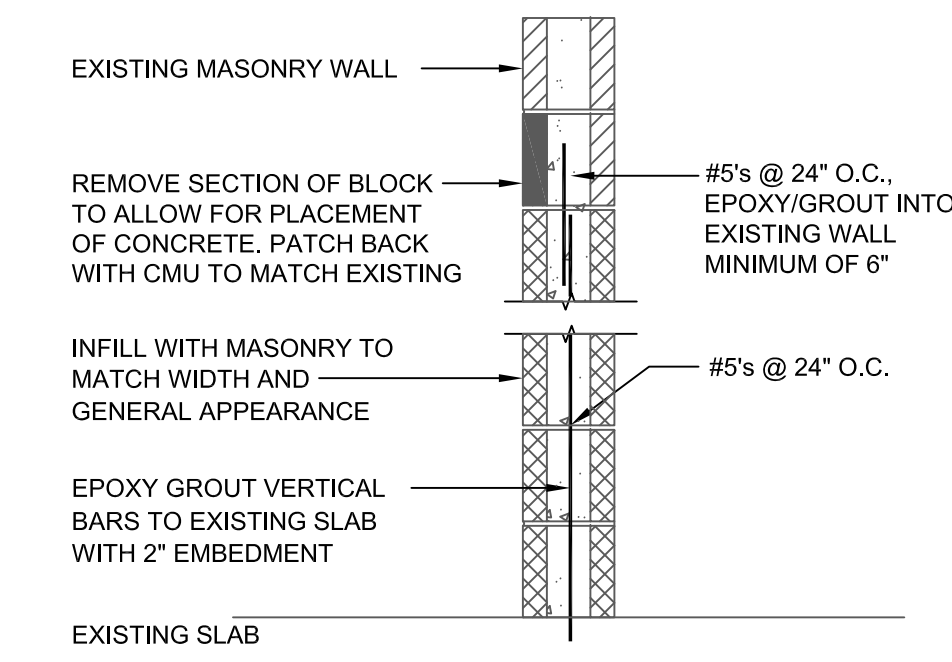
**TYPICAL PATCHING AT EXISTING SLABS**

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



NOTE: PROVIDE BEARING PLATES @ EACH END OF NEW LINTEL, 7 1/4"x7" WITH (2) 1/2" ANCHORS. REMOVE PORTION OF MASONRY, TO SET PLATE, AND FILL SOLID UNDER PLATE W/ NON-SHRINK GROUT. REPAIR MASONRY AFTER PLACEMENT.

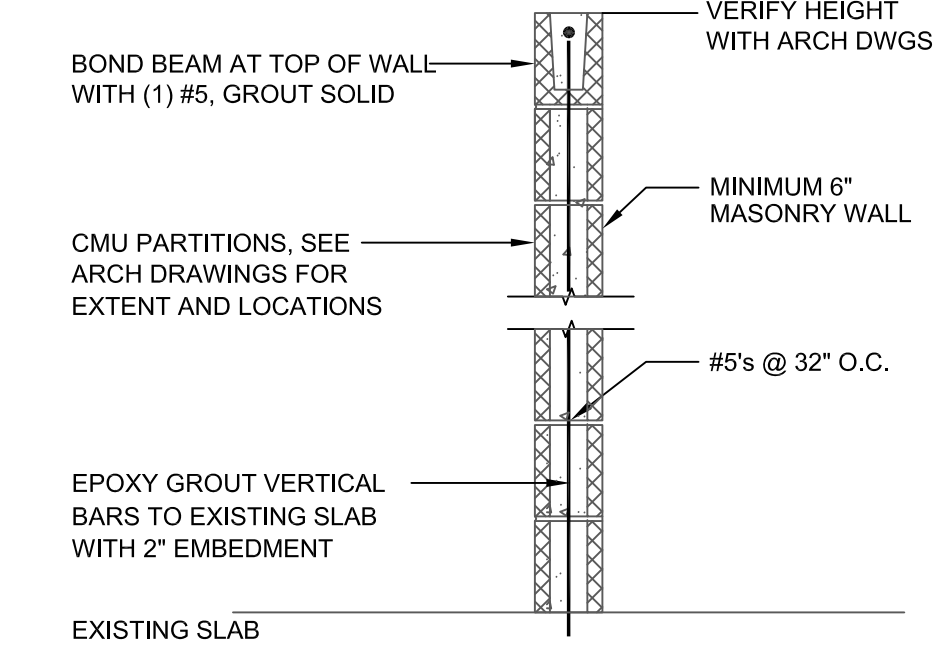
**NEW LINTEL IN EXISTING WALL**  
NOT TO SCALE



**TYPICAL CMU INFILL DETAIL**

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

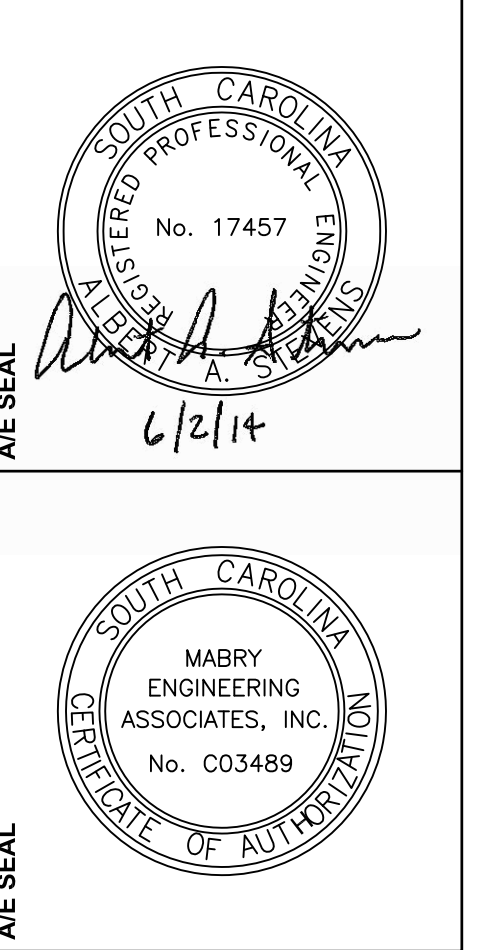
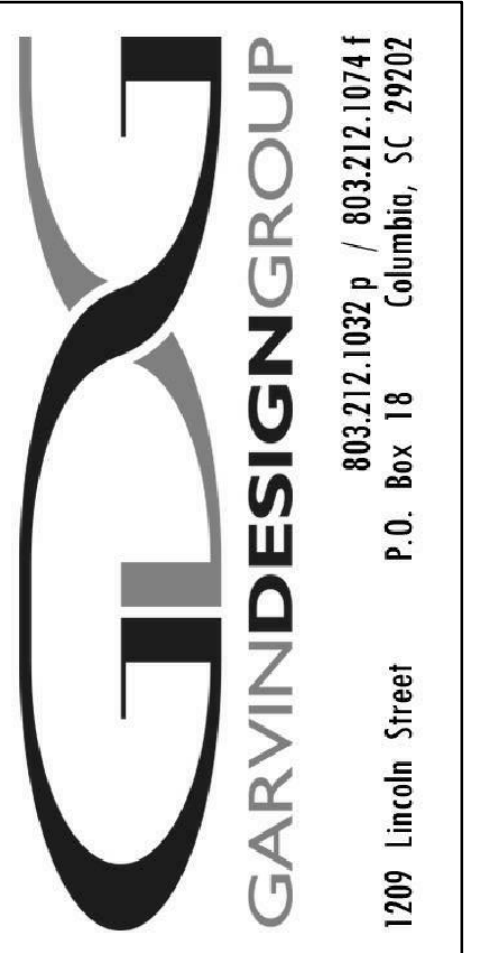
REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED LOCATIONS, EXTENTS, AND CONFIGURATION



**TYPICAL CMU PARTITION DETAIL**

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

REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED LOCATIONS, EXTENTS, AND CONFIGURATION



**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
University of South Carolina  
Solomon Blatt Physical Education Center  
Project No. H27-z158

NO.	REVISIONS	DATE

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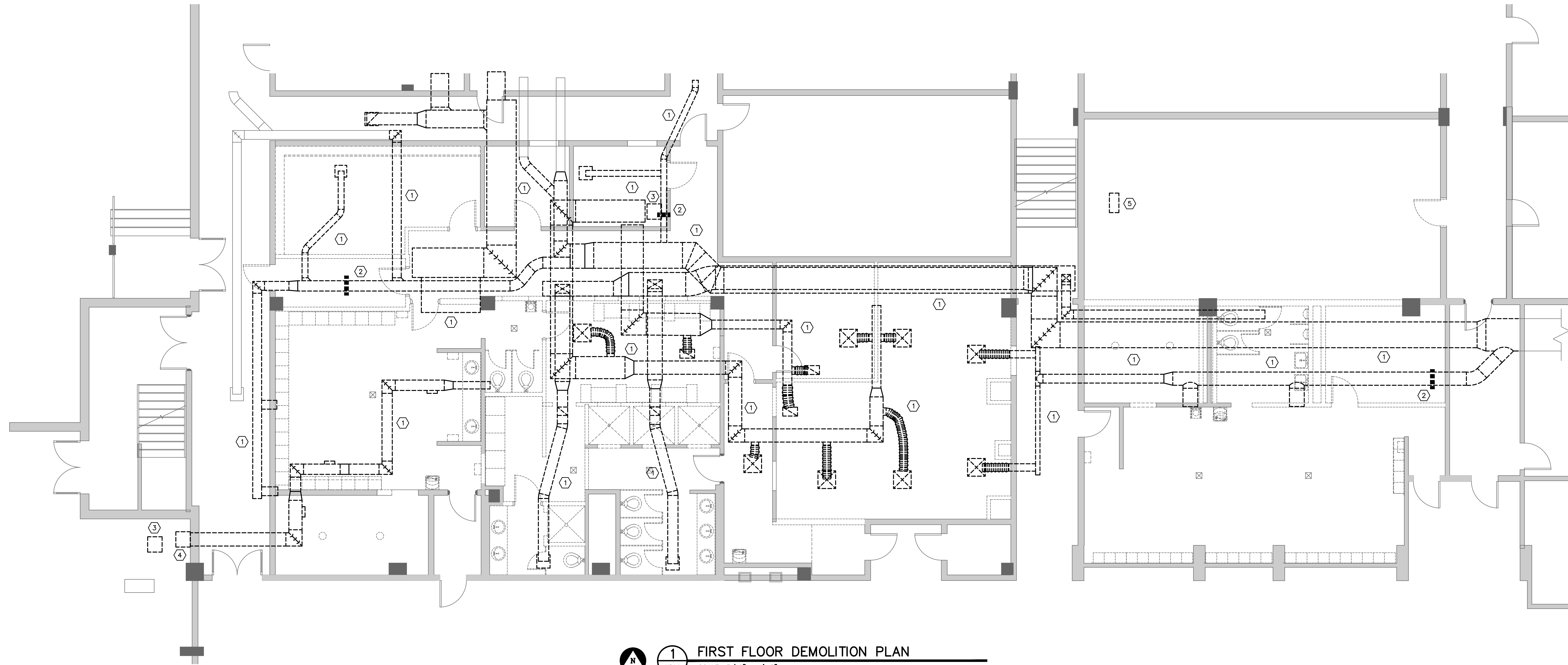
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*Structural Engineers*

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MEM 14-759

**DRAWING TITLE**  
**NOTES AND TYPICAL DETAILS**

**PROJECT NO.** U026.13  
**DATE** 06.02.14  
**DRAWING NO.** S0.1

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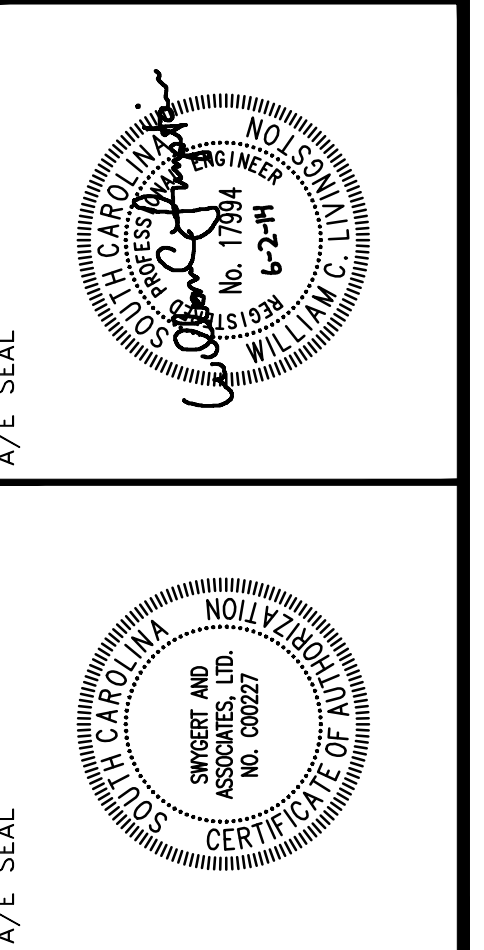
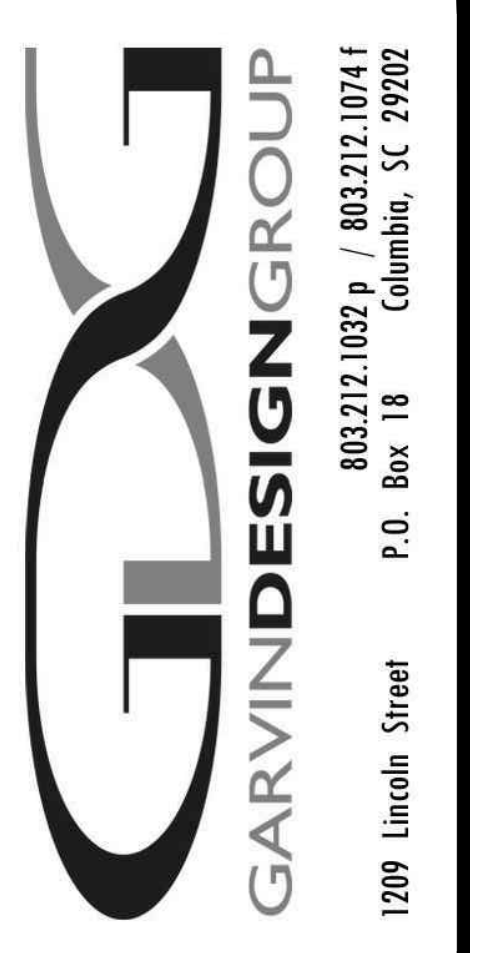


**1** FIRST FLOOR DEMOLITION PLAN  
SCALE: 3/16" = 1'-0"

- DEMOLITION NOTES**
- ① REMOVE ALL DUCTWORK AS SHOWN COMPLETE, INCLUDING BUT NOT LIMITED TO DUCT AND GRILLES.
  - ② REMOVE HOT WATER COILS COMPLETE, INCLUDING BUT NOT LIMITED TO WIRING, CONTROLS AND PIPING. CAP PIPING BACK AT MAINS.
  - ③ REMOVE SPLIT SYSTEM COMPLETE, INCLUDING BUT NOT LIMITED TO DUCTWORK PIPING, CONTROLS, WIRING AND REFRIGERANT.
  - ④ REMOVE EXHAUST FAN COMPLETE.
  - ⑤ REMOVE SUPPLY GRILLE IN RACQUETBALL COURT AND CAP WITH SHEET METAL COVER AND SEAL AIR TIGHT.

**Swygart & Associates**  
CONSULTING ENGINEERS

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**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
University of South Carolina  
Solomon Blatt Physical Education Center - Project  
No. H27-Z158

**REVISIONS**

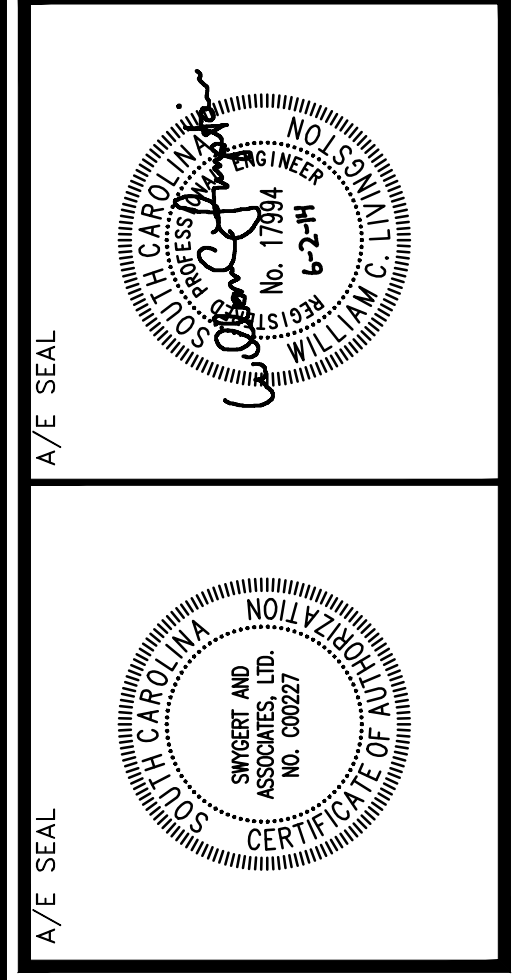
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**DRAWING TITLE**  
**FIRST FLOOR DEMOLITION PLAN**

**PROJECT NO.** 13255.13  
**DATE** 08.02.14  
**DRAWING NO.** MD1.1



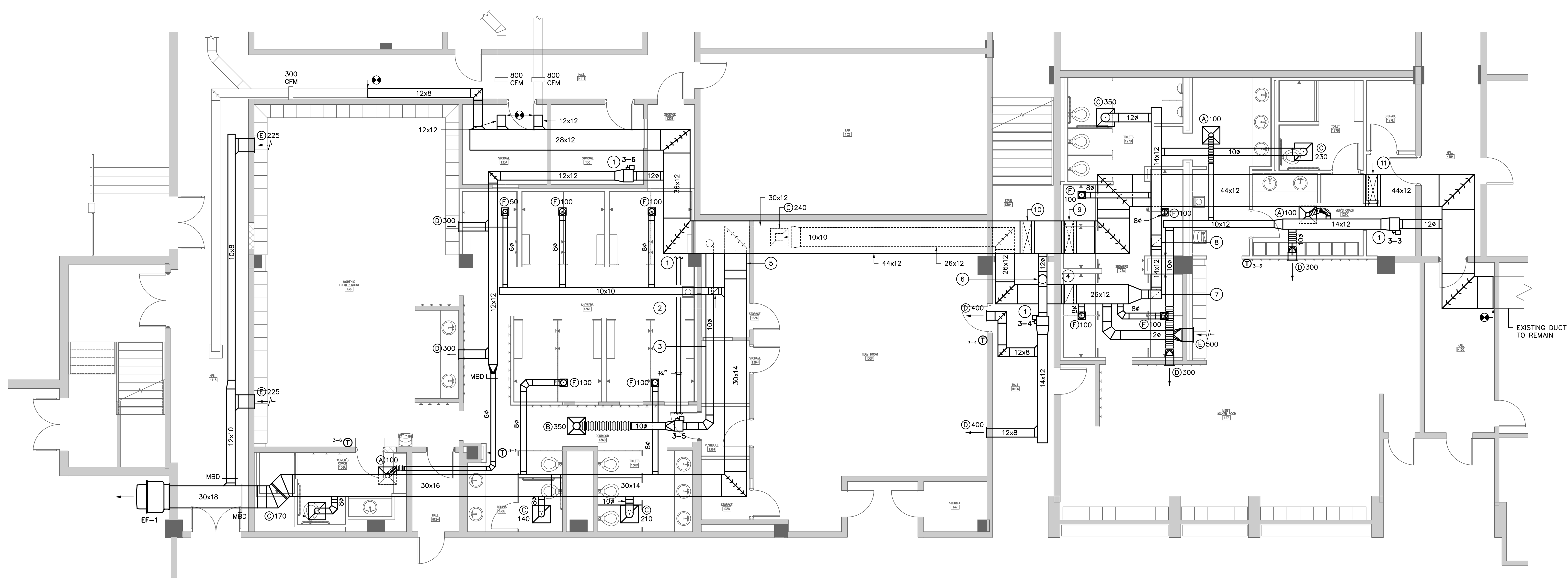
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REVISIONS	DATE

<p><b>DRAWING TITLE</b>  <b>FIRST FLOOR PLAN</b></p>	<p><b>DRAWING NO.</b>  <b>M1.1</b></p>
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- NOTES TO SHEET**
- 1 EXTEND AND CONNECT HOT WATER PIPE TO EXISTING MAINS.
  - 2 10"x10" EXHAUST DUCT RISES ABOVE CEILING IN SHOWER 136E.
  - 3 10"Ø SUPPLY DUCT RISES ABOVE CEILING IN STORAGE 136H.
  - 4 26"x12" EXHAUST DUCT RISES ABOVE CEILING IN SHOWER 127A.
  - 5 30"x12" EXHAUST DUCT DROPS UNDER BEAM.
  - 6 12"Ø SUPPLY DUCT RUNS UNDER BEAM AND RISES ABOVE EXHAUST DUCT.
  - 7 14"x12" EXHAUST DUCT DROPS BELOW BEAM.
  - 8 14"x12" EXHAUST DUCT RISES UP ABOVE SUPPLY DUCT.
  - 9 44"x12" SUPPLY DUCT DROPS BELOW CONCRETE BEAM.
  - 10 44"x12" SUPPLY DUCT RISES ABOVE EXHAUST DUCT TIGHT TO BEAM ABOVE.
  - 11 44"x12" SUPPLY DUCT RISES ABOVE CEILING IN MEN'S COACH 127.

**NOTE:**  
 EXISTING AHU-3 SHALL BE AIR BALANCED TO 6,000 CFM.  
 EXISTING VAV BOXES/COILS SHALL BE AIR BALANCED TO THE FOLLOWING:  
 3-1 - 1550 CFM MAX, 470 CFM MIN  
 3-2 - 700 CFM MAX, 210 CFM MIN  
 RH COIL 2 - 80 CFM  
 RH COIL 1B - 680 CFM

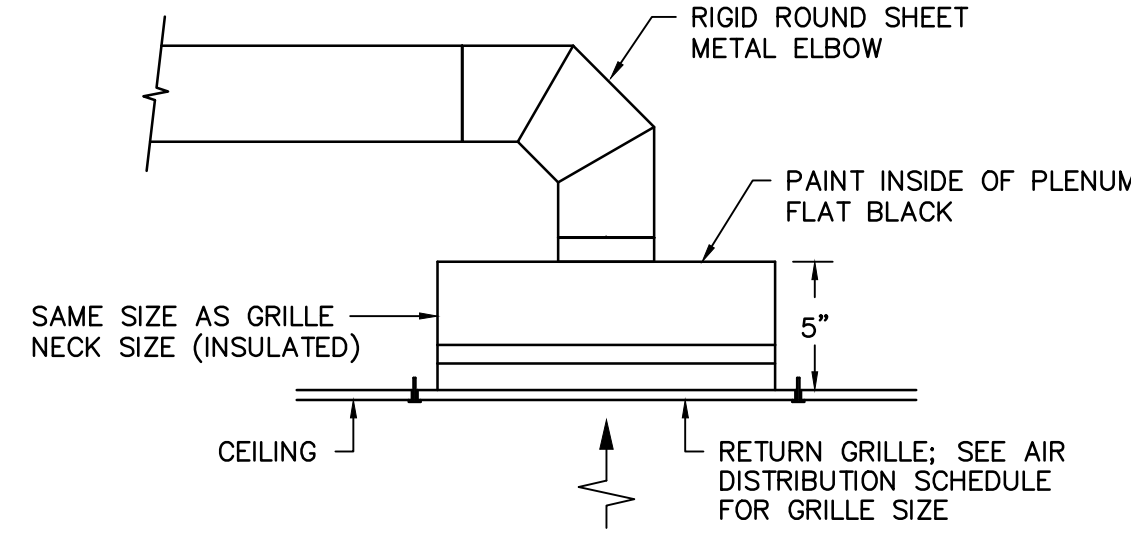


**1 FIRST FLOOR PLAN**  
 M1.1 SCALE: 3/16" = 1'-0"

**Swygert & Associates**  
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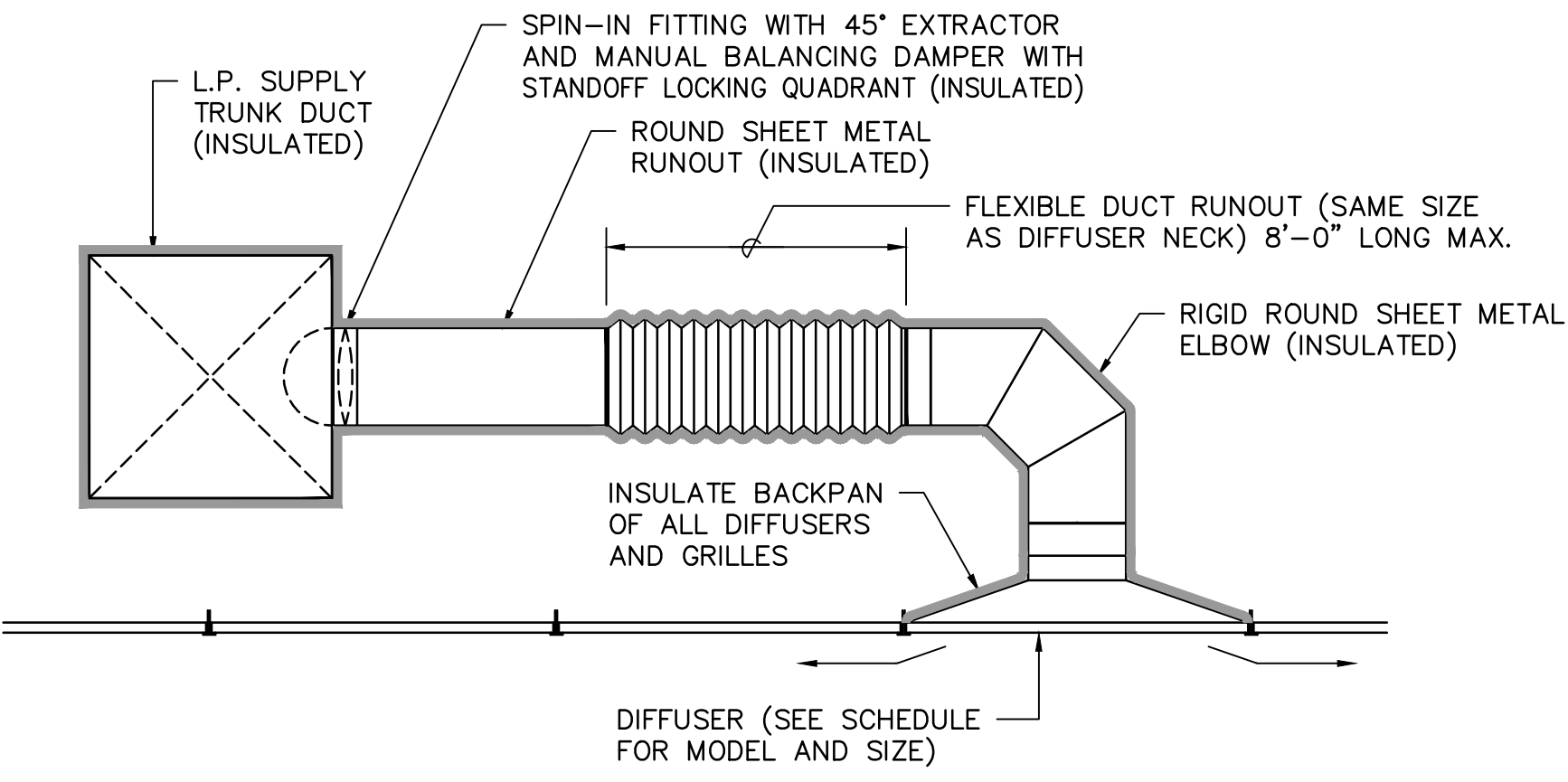


NOTE:  
EXISTING AHU-3 SHALL BE AIR  
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AIR BALANCED TO THE FOLLOWING:  
3-1 - 1550 CFM MAX, 470 CFM MIN  
3-2 - 700 CFM MAX, 210 CFM MIN  
RH COIL 2 - 80 CFM  
RH COIL 18 - 680 CFM



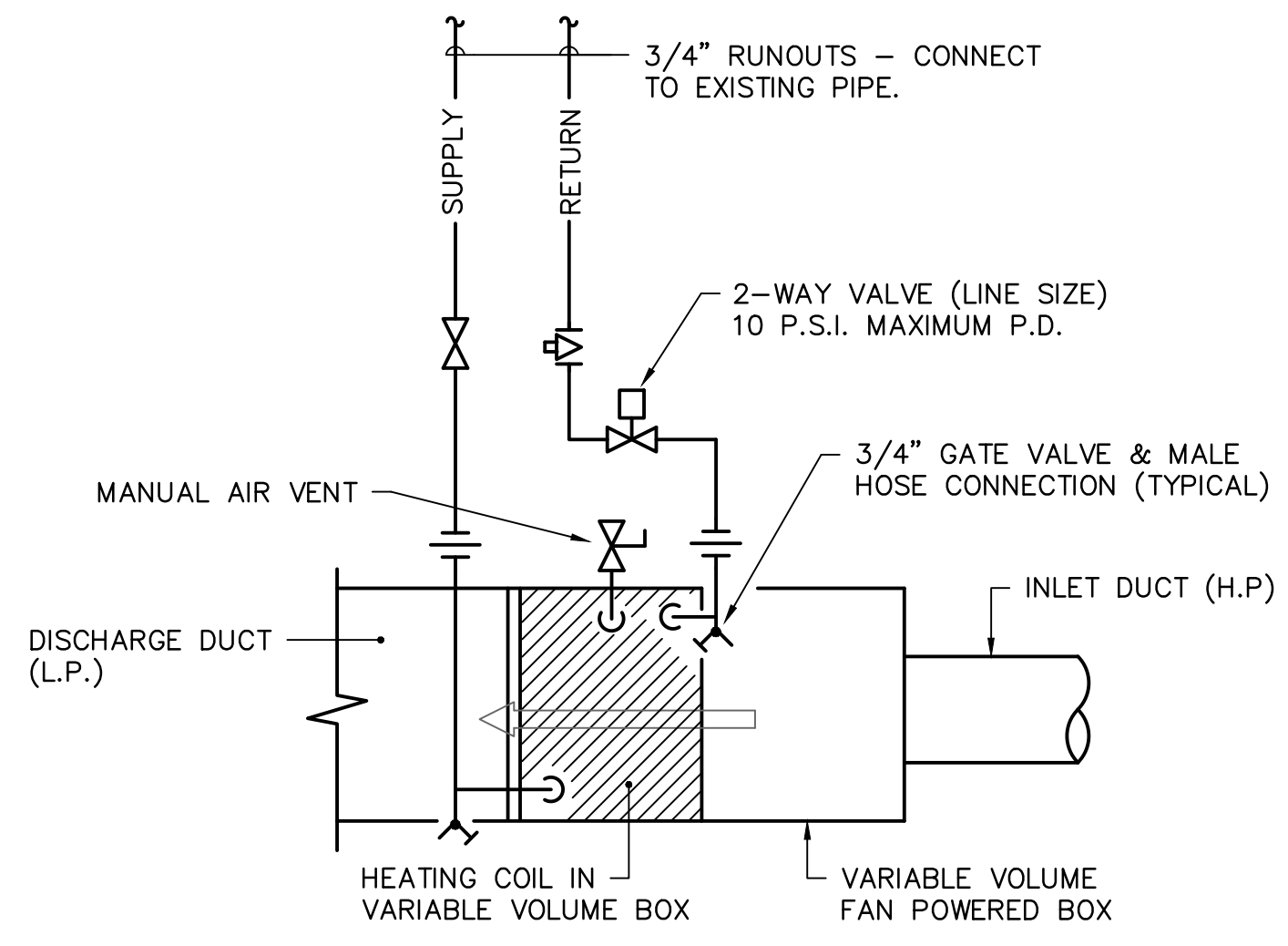
**EXHAUST GRILLE DETAIL**

NO SCALE



**CEILING DIFFUSER DETAIL**

NO SCALE



**HOT WATER HEATING COIL PIPING DETAIL**

NO SCALE

**VARIABLE VOLUME BOX SCHEDULE**

TAG	ENVIROTECH MODEL	AIR INLET (NOM. DIA.)	CFM		HEATING COIL		MAX. UNIT P.D. INCHES W.C.	MAX. NC LEVEL	REMARKS
			MAX/MIN	HEATING	MBH	GPM			
3-3	SDR	12"ø	800/800	800	37.3	2.5	0.25	30	1,2
3-4	SDR	12"ø	800/240	240	15.8	1.1	0.25	30	1,2
3-5	SDR	10"ø	350/350	350	21.7	1.5	0.25	30	1,2
3-6	SDR	12"ø	700/700	700	34.0	2.3	0.25	30	1,2

- HEATING COIL SELECTION BASED ON 150°F EWT WITH 30°F DROP.
- PROVIDE WITH STAND ALONE JOHNSON CONTROLS CONTROLLER, CONTROL VALVE AND WALL MOUNTED THERMOSTAT.

**AIR DISTRIBUTION SCHEDULE**

TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS
(A)	UNI-FLOW SUPPLY	PRICE	ASPD	LAY-IN	0-125	6"ø	24"x24"	30	1,2
(B)	UNI-FLOW SUPPLY	PRICE	ASPD	LAY-IN	251-350	10"ø	24"x24"	30	1,2
(C)	PERFORATED EXHAUST	PRICE	APDDR	LAY-IN	0-1000	22"x22"	24"x24"	30	1,2
(D)	SIDEWALL SUPPLY	PRICE	620	SURFACE	300-400	12"x8"	14"x10"	30	1,2,3
(E)	SIDEWALL RETURN	PRICE	630	SURFACE	0-500	18"x8"	20"x10"	30	1,2
(F)	PERFORATED EXHAUST	PRICE	APDDR	SURFACE	0-100	10"x10"	12"x12"	30	1,2,3

- PROVIDE WITH STANDARD WHITE FINISH.
- PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION.
- PROVIDE WITH OPPOSED BLADE DAMPER.

**EXHAUST FAN SCHEDULE**

TAG	GREENHECK MODEL NO.	TYPE	CFM	ESP	MOTOR H.P./W	SONES (MAX.)	REMARKS
EF-1	CWB-180-7	SIDEWALL	3140	0.5	3/4	15.4	1,2

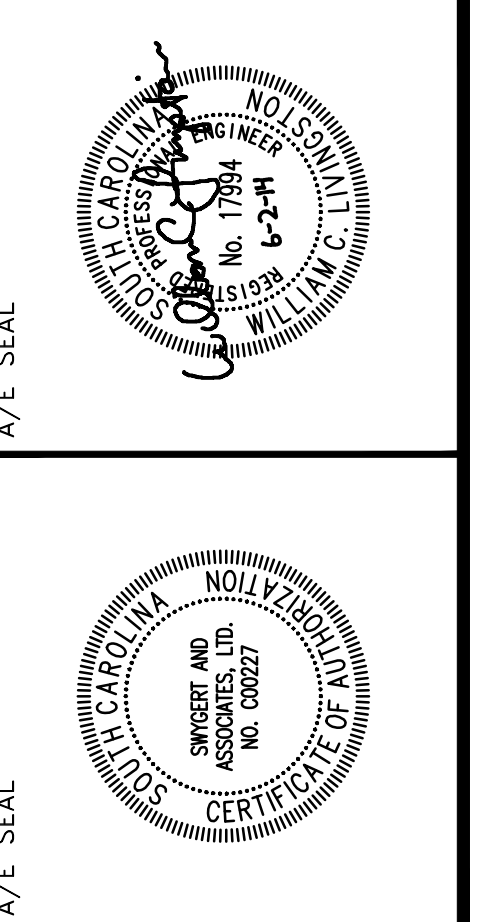
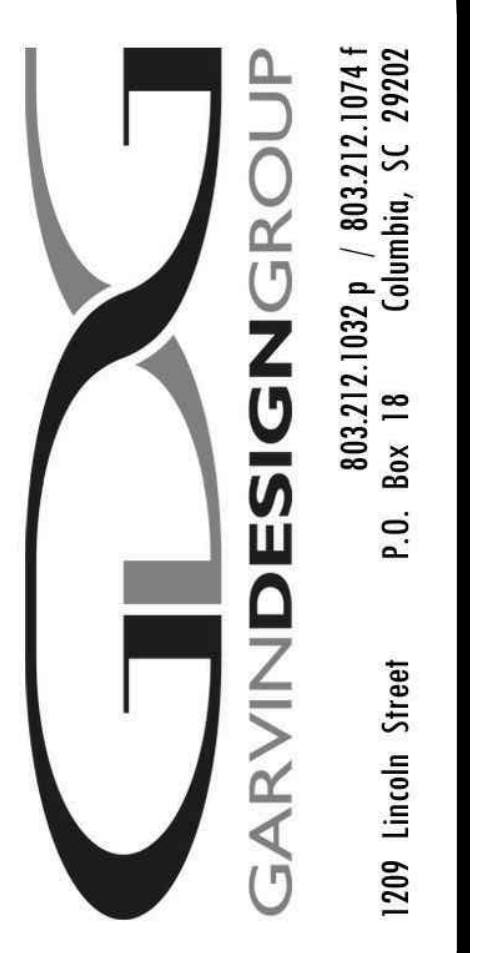
- PROVIDE SIDEWALL CENTRIFUGAL FAN WITH BELT DRIVE, ALUMINUM CONSTRUCTION AND NEMA 1 TOGGLE SWITCH.
- INTERLOCK WITH AHU-3 OPERATION.

**LEGEND**

SYMBOL	DESCRIPTION
↔ HWS ↔	HOT WATER SUPPLY LINE
↔ HWR ↔	HOT WATER RETURN LINE
(A)100	TYPE "A" DIFFUSER, 100 CFM
⊕	THERMOSTAT
⊠	RECTANGULAR SUPPLY DUCTWORK
⊡	RETURN, EXHAUST, FRESH AIR DUCTWORK
48x24	48"x24" RECTANGULAR DUCT
⊕	CONNECTION POINT OF NEW TO EXISTING
▶	1" DOOR UNDERCUT BY GENERAL CONTRACTOR

**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.
- DO NOT SCALE DRAWINGS. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
- ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
- 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 FLOORS, ROOFS AND PARTITIONS.
- ALL MECHANICAL ITEMS EXTENDING THROUGH WALLS SHALL BE FLASHED AND COUNTERFLASHED.
- ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS, PIPING AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATION.
- ALL VALVES AND SPECIALTIES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE, USING ECCENTRIC REDUCERS ON PUMP SUCTION AND CONCENTRIC REDUCERS ON PUMP DISCHARGE. USE 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.
- SPACE ABOVE CEILING TO BE USED AS RETURN AIR PLENUM WHERE DUCT IS NOT INDICATED ABOVE RETURN AIR GRILLES.
- ALL OPEN END DUCTS SHALL HAVE 1/4-INCH MESH GALVANIZED SCREEN IN REMOVABLE FRAME.
- PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
- INSTALL ALL VAV BOXES WITHIN 24" OF CEILING TO ALLOW FOR SERVICE ACCESS.
- THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
- THIS CONTRACTOR SHALL DO ALL CONTROL WIRING AND PROVIDE TRANSFORMER TO CONTROL POWER AS REQUIRED. DIVISION 16 WILL DO ALL POWER WIRING. ALL WIRING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. CONTROL WIRING SHALL BE CONCEALED WITHIN WALL.
- LOCATE ALL SPACE CONTROL INSTRUMENTS 4'-0" ABOVE FINISHED FLOOR.
- CAP PNEUMATIC LINES AS REQUIRED DURING DEMOLITION TO MAINTAIN OPERABLE SYSTEM.
- 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 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 IF REQUIRED.



**SWIM TEAM LOCKER ROOM RENOVATIONS**  
University of South Carolina  
Solomon Blatt Physical Education Center - Project  
No. H27-Z158

REVISIONS	NO.	NAME	DATE
DEM	WCL		

DRAWN BY: WCL  
CHECKED BY: WCL

**DETAILS, NOTES, SCHEDULES AND LEGEND**

PROJECT NO. 13255-13  
DATE 08.02.14  
DRAWING NO. **M2.1**

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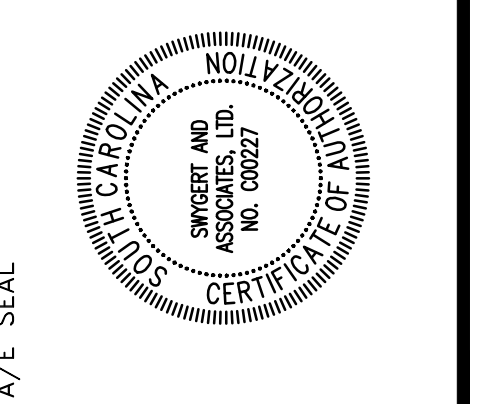
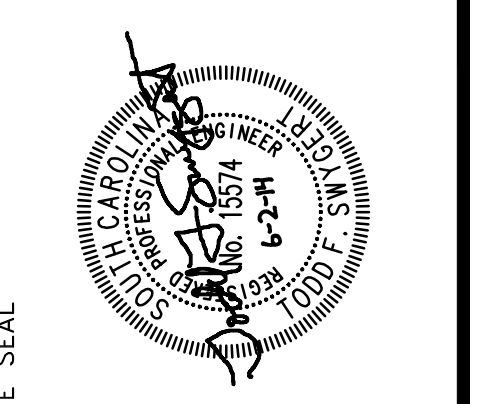
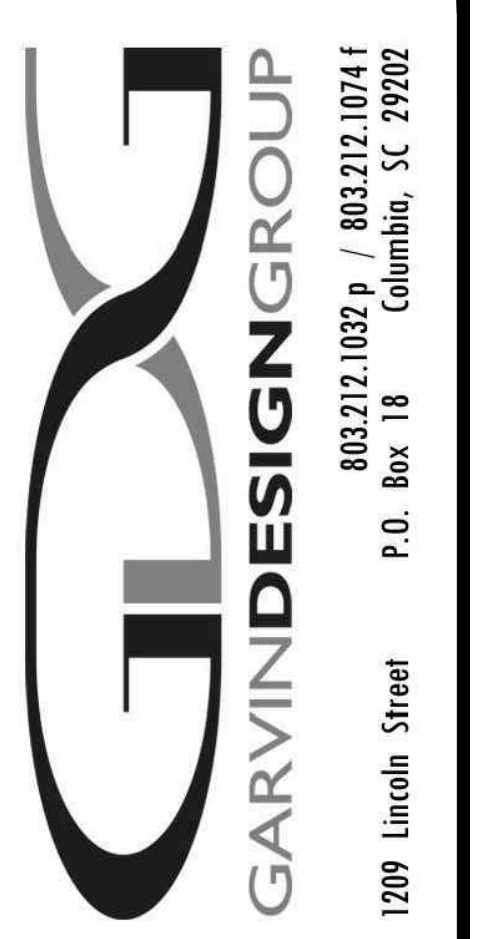
N:\PROJECTS\3255 DRAWINGS\PLUM\3255-PD1.dwg



- ### DEMOLITION NOTES
- ① EXISTING FLOOR MOUNTED WATER CLOSET TO BE REMOVED COMPLETELY. CAP EXISTING PIPING IN CRAWL SPACE, IN WALL, OR ABOVE CEILING AS REQUIRED.
  - ② EXISTING URINAL TO BE REMOVED COMPLETELY. CAP EXISTING PIPING IN CRAWL SPACE OR ABOVE CEILING AS REQUIRED. REUSE FIXTURE IN NEW LOCATION AS INDICATED ON RENOVATION PLANS.
  - ③ EXISTING LAVATORY TO BE REMOVED COMPLETELY. CAP EXISTING PIPING IN CRAWL SPACE OR ABOVE CEILING AS REQUIRED.
  - ④ EXISTING COLUMN SHOWER UNIT TO BE REMOVED COMPLETELY. CAP EXISTING WASTE LINE IN CRAWL SPACE. REMOVE EXISTING SUPPLY AND VENT PIPING UNTIL THE POINT WHERE NOT VISIBLE BY NEW CEILING AND CAP AS REQUIRED.
  - ⑤ EXISTING STALL SHOWER TO BE REMOVED COMPLETELY. CAP EXISTING PIPING IN CRAWL SPACE OR ABOVE CEILING AS REQUIRED.
  - ⑥ EXISTING WALL HUNG DRINKING FOUNTAIN TO BE REMOVED COMPLETELY. CAP EXISTING PIPING IN WALL AS REQUIRED.
  - ⑦ EXISTING FLOOR DRAIN TO REMAIN. REMOVE AND REINSTALL FOR NEW FLOOR FINISH AS REQUIRED.
  - ⑧ EXISTING SUPPLY LINE TO HOSE BIBB TO BE REMOVED FROM LOCKER AND REINSTALLED IN WALL. COORDINATE WITH NEW LOCKERS.
  - ⑨ EXISTING WALL HUNG WATER CLOSET, FLUSH VALVE, SEAT, AND CARRIER TO BE REMOVED FOR NEW FINISH AND REINSTALLED UPON COMPLETION OF FINISH WORK. SECURE WATER CLOSET TO CARRIER.
  - ⑩ EXISTING COUNTERTOP LAVATORY AND FAUCET TO BE REMOVED FOR NEW COUNTERTOP AND REINSTALLED UPON COMPLETION OF NEW COUNTERTOP.
  - ⑪ EXISTING WALL HUNG WATER CLOSET TO BE REMOVED COMPLETELY. CAP EXISTING PIPING IN CRAWL SPACE, IN WALL, OR ABOVE CEILING AS REQUIRED. REUSE FIXTURE IN NEW LOCATION AS INDICATED ON RENOVATION PLANS.
  - ⑫ EXISTING DRINKING FOUNTAIN TO BE REMOVED. EXISTING PIPING TO BE REUSED FOR NEW FIXTURE.

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

**Swygert & Associates**  
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**SWIM TEAM LOCKER ROOM  
 RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center - Project  
 No. H27-Z158

REVISIONS	DATE
NO. NAME	

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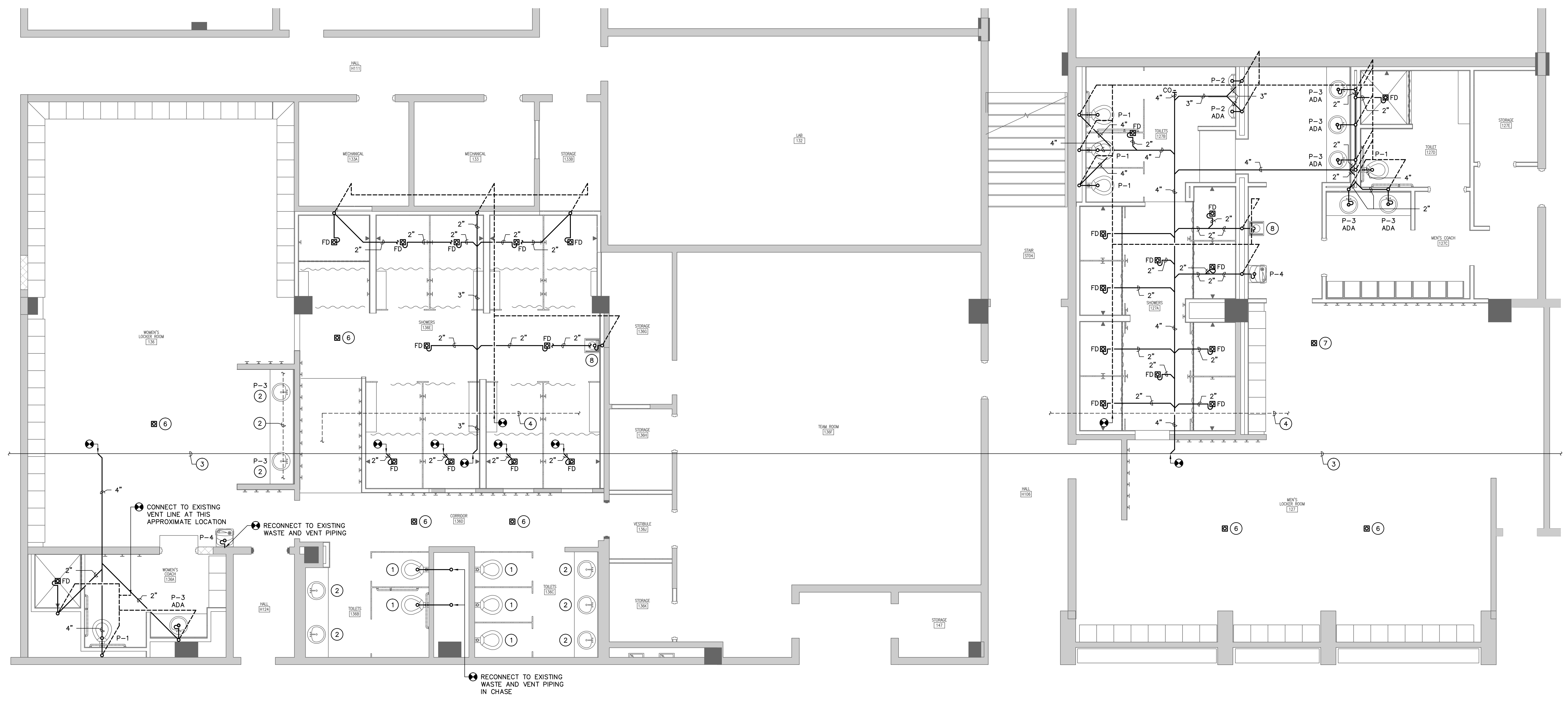
**FIRST FLOOR DEMOLITION  
 PLAN**

DRAWING NO.  
**PD1.1**

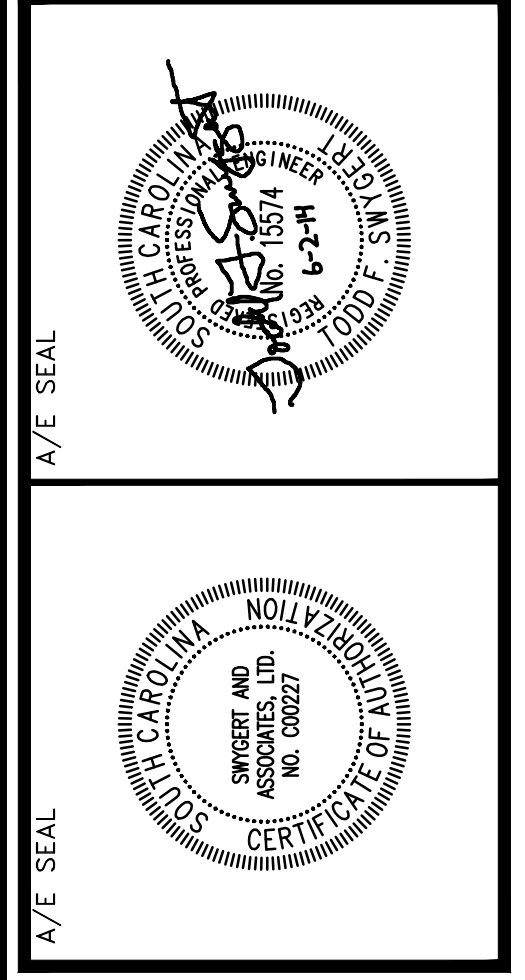
**NOTES TO SHEET**

- 1 RECONNECT NEW FIXTURE, FLUSH VALVE, ETC. TO EXISTING PIPING. PROVIDE NEW CARRIER.
- 2 RECONNECT NEW FIXTURE TO EXISTING PIPING. PROVIDE ALL NEW SUPPLIES AND TRAPS PER PLUMBING FIXTURE SCHEDULE.
- 3 APPROXIMATE LOCATION OF EXISTING 5" SANITARY WASTE LINE IN CRAWL SPACE.
- 4 APPROXIMATE LOCATION OF EXISTING SANITARY VENT LINE.
- 5 EXISTING 2" VENT LINE TO BE RAISED UP 12" TO BE LEVEL WITH REMAINING LINES.
- 6 EXISTING FLOOR DRAIN REINSTALLED IN NEW FLOOR.
- 7 INSTALL NEW SQUARE TOP STRAINER ON EXISTING FLOOR DRAIN.
- 8 PROVIDE MCGUIRE, OR APPROVED EQUAL, MODEL 8672 1 1/4" P-TRAP FOR CONNECTION TO SUITMATE PROVIDED BY OTHERS.

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



**1 FIRST FLOOR PLAN**  
 P1.1 SCALE: 1/4" = 1'-0"



**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center - Project  
 No. H27-Z158

REVISIONS	DATE	NAME

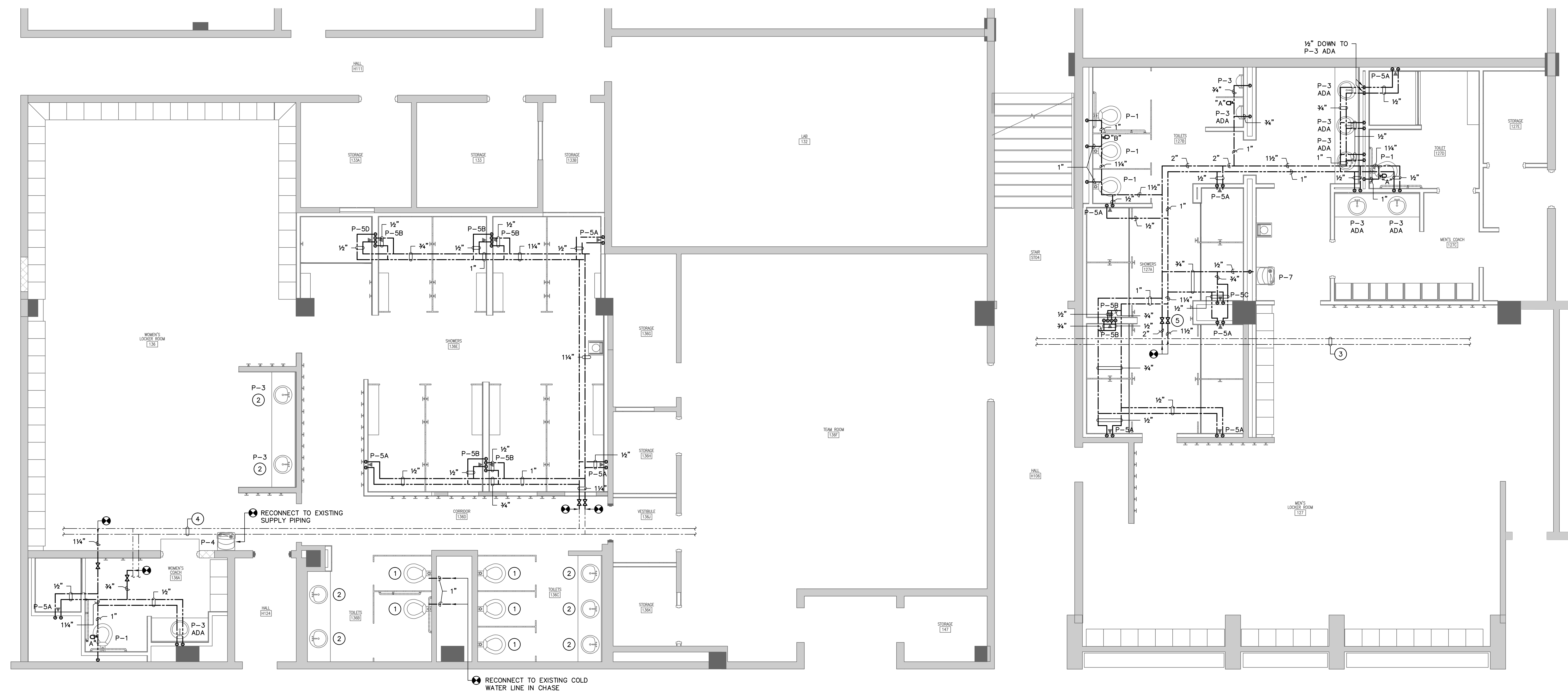
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**FIRST FLOOR PLAN - WASTE AND VENT PIPING**

**DRAWING NO.**  
**P1.1**

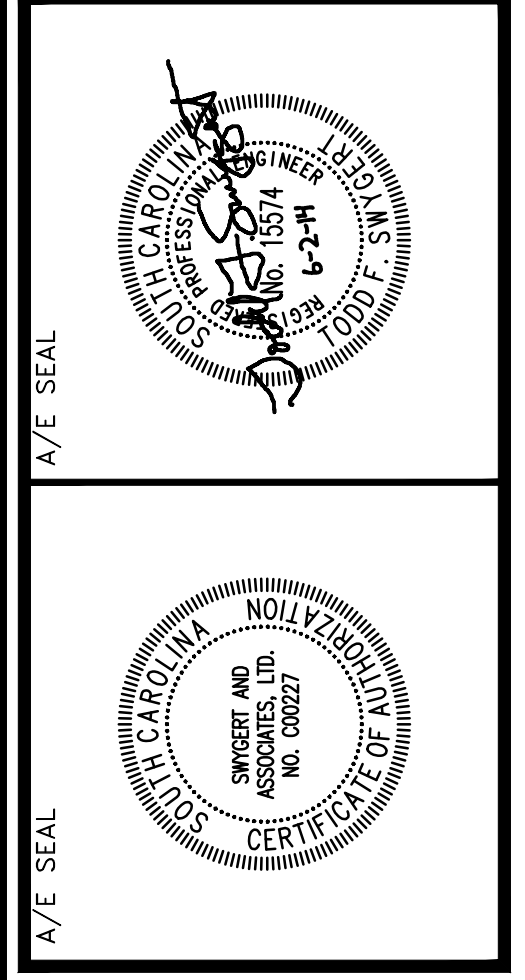
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 mail@swygert-associates.com

NOTES TO SHEET

- 1 RECONNECT NEW FIXTURE, FLUSH VALVE, ETC. TO EXISTING PIPING. PROVIDE NEW CARRIER.
- 2 RECONNECT NEW FIXTURE TO EXISTING PIPING. PROVIDE ALL NEW SUPPLIES AND TRAPS PER PLUMBING FIXTURE SCHEDULE.
- 3 APPROXIMATE LOCATION OF EXISTING 2" COLD WATER LINE AND 2" HOT WATER LINE.
- 4 APPROXIMATE LOCATION OF EXISTING 2" COLD WATER LINE AND 3/4" HOT WATER LINE.
- 5 COORDINATE VALVE LOCATION WITH ACCESS PANEL INSTALLED BY OTHERS.



1 FIRST FLOOR PLAN  
 P2.1 SCALE: 1/4" = 1'-0"



**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center - Project  
 No. H27-Z158

REVISIONS	DATE

DRAWING TITLE	DRAWING NO.
<b>FIRST FLOOR PLAN - SUPPLY PIPING</b>	<b>P2.1</b>

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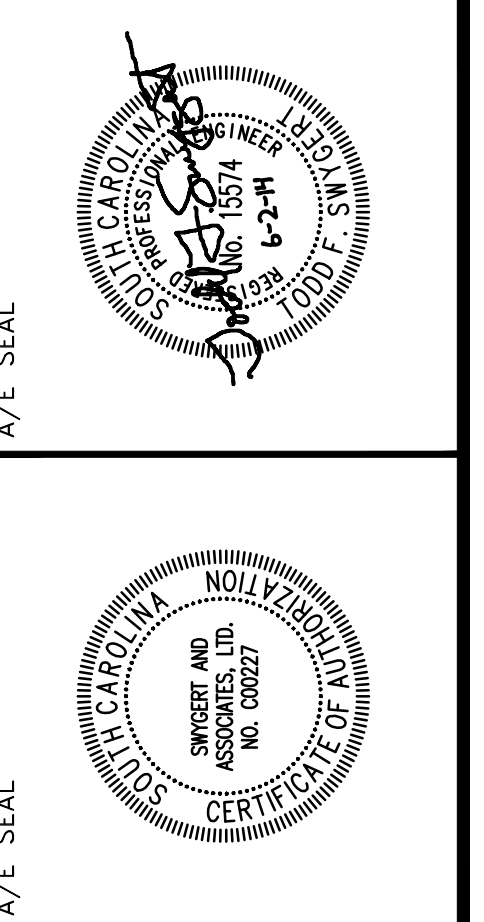
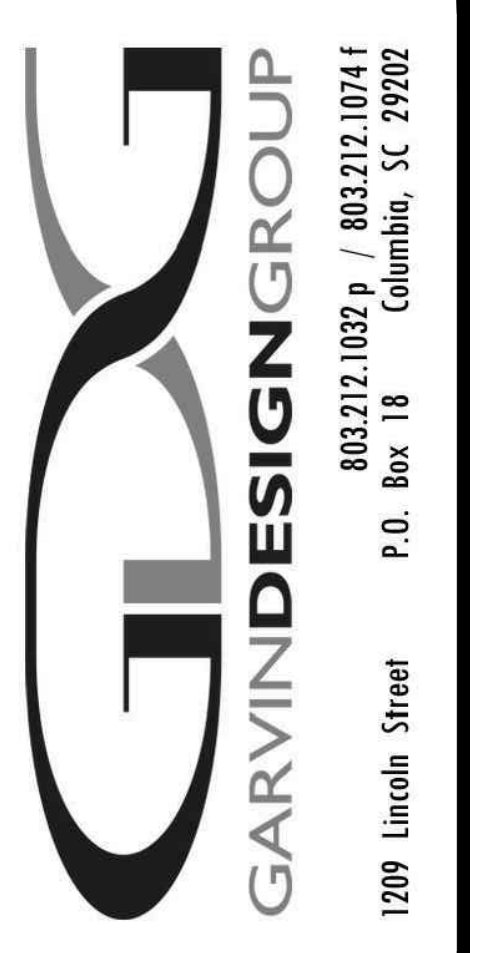
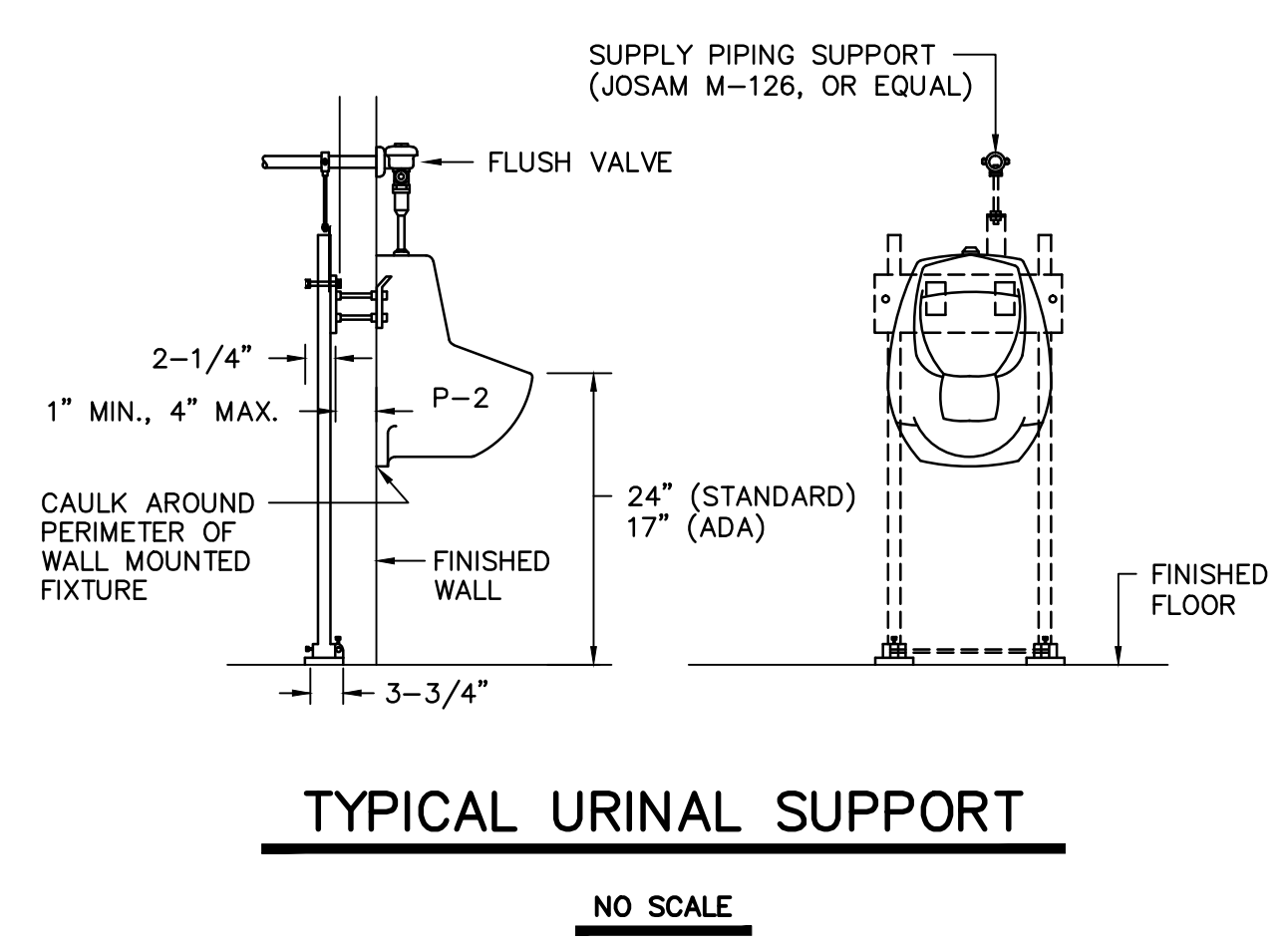
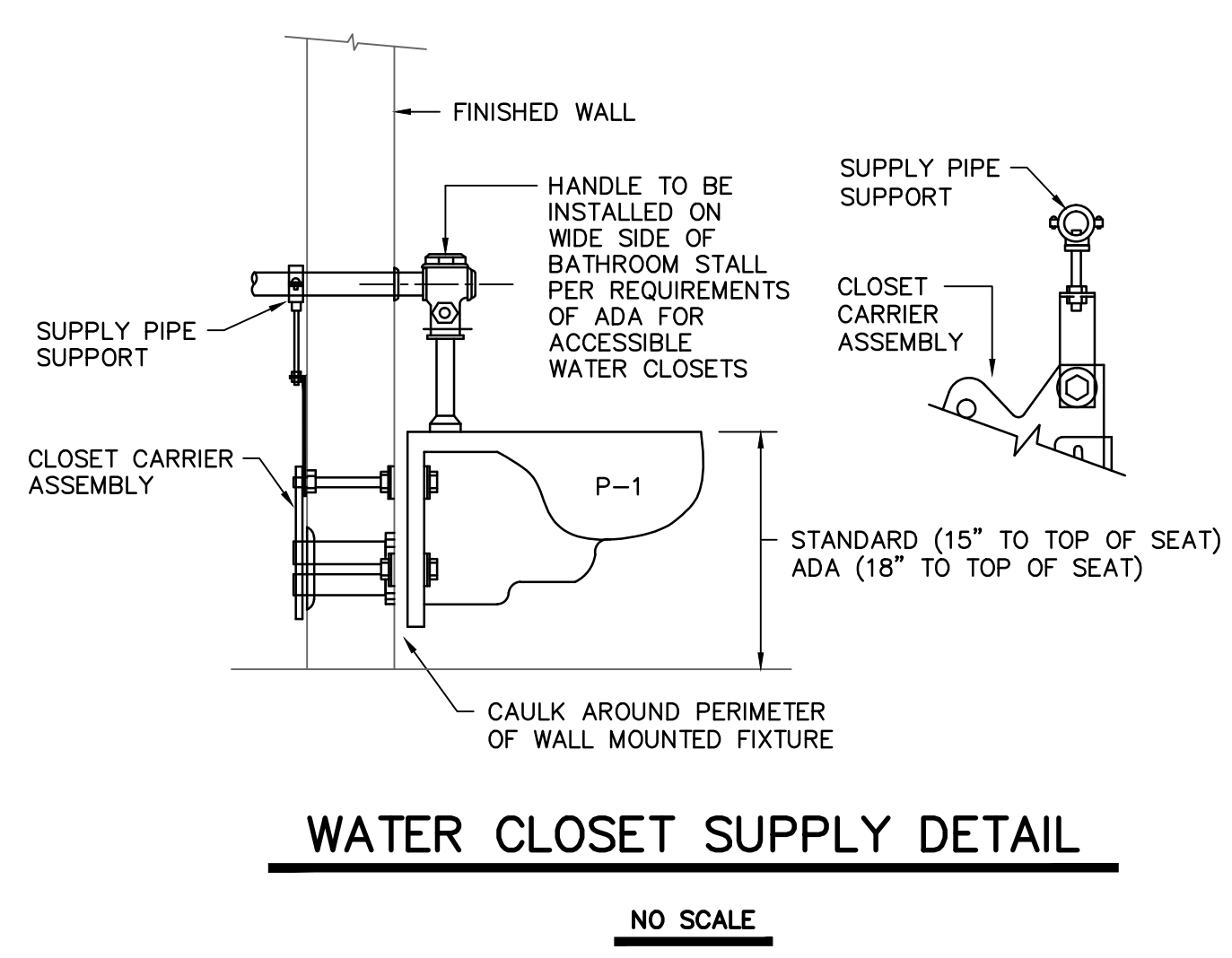
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PLUMBING FIXTURE SCHEDULE									
P. NO.	FIXTURE	MFR.	NAME	MFRS. NO.	SIZE	MIN. SUPPLY		REMARKS	
						CW	HW		
P-1	WATER CLOSET	KOHLER	KINGSTON	K-4325	---	1"	--	WITH SLOAN MODEL 111-XL-1.28 FLUSH VALVE, BENEKE 527 SEAT, CHAIR CARRIER, AND BOLT CAPS.	
P-2	URINAL	KOHLER	DEXTER	K-5016-ET	---	3/4"	--	WITH SLOAN MODEL 186-0.5-XL FLUSH VALVE, AND CHAIR CARRIER.	
P-3	LAVATORY	KOHLER	FARMINGTON	K-2905-4	19 1/4"x16 1/4"	3/8"	3/8"	WITH DELTA MODEL 501-WHDF FAUCET, McGUIRE 155A GRID DRAIN, McGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND McGUIRE B872 1-1/4" P-TRAP.	
P-4	ELECTRIC WATER COOLER	OASIS	---	P8AC	---	---	---	WITH STAINLESS STEEL FINISH, McGUIRE H165 3/8" CAST BRASS SUPPLY WITH STOP, AND McGUIRE B872 1-1/4" P-TRAP, MOUNT PER ADA REQUIREMENTS.	
P-5A	SHOWER TRIM	SYMMONS	TEMPROL	C-96-1-295-X	---	1/2"	1/2"	WITH FIXED SHOWER HEAD AND INTEGRAL STOPS.	
P-5B	SHOWER TRIM	SYMMONS	TEMPROL	C-96-1-295-X-REV	---	1/2"	1/2"	WITH FIXED SHOWER HEAD, INTEGRAL STOPS, AND REVERSE CORING.	
P-5C	ACCESSIBLE SHOWER TRIM	SYMMONS	TEMPROL	25-500-B30-V-X-REV	---	1/2"	1/2"	WITH FIXED SHOWER HEAD, HAND HELD SHOWER, AND INTEGRAL STOPS.	
P-5D	ACCESSIBLE SHOWER TRIM	SYMMONS	TEMPROL	25-500-B30-V-X-REV	---	1/2"	1/2"	WITH FIXED SHOWER HEAD, HAND HELD SHOWER, INTEGRAL STOPS, AND REVERSE CORING.	
FD	FLOOR DRAIN	ZURN	---	2N-415-S	---	---	---	WITH 6"x6" NICKLE BRONZE STRAINER AND TRAP GUARD BY PROSET, OR APPROVED EQUAL.	

- ### GENERAL NOTES
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2012 INTERNATIONAL PLUMBING CODE.
  - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
  - EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS NOTED OTHERWISE, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
  - COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
  - VENTS SHALL BE COLLECTED ABOVE THE CEILING AND EXTENDED TO EXISTING VENT PIPING AS INDICATED.
  - ALL VALVES WITH THREADED HOSE CONNECTIONS SHALL BE EQUIPPED WITH A WATTS REGULATOR COMPANY, NO. NFB BACK-SIPHONAGE, BACKFLOW PREVENTER.
  - EXPOSED WASTE AND WATER PIPING UNDER LAVATORIES MARKED "ADA" SHALL BE INSULATED WITH HANDI LAV-GUARD KIT MODEL NUMBER 102W AS MANUFACTURED BY TRUEBRO, INC., OR APPROVED EQUAL.
  - ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.

### LEGEND

SYMBOL	DESCRIPTION
	SANITARY WASTE LINE
	SANITARY VENT LINE
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	SHUTOFF VALVE
	SHOCK ARRESTOR (P.D.I. RATING OF "A")
	PIPE TURNS TO, AWAY
	CLEANOUT (IN CRAWL SPACE)
	FLOOR DRAIN
ADA	FIXTURE FOR USE ACCORDING TO THE AMERICANS WITH DISABILITIES ACT
	CONNECTION POINT OF NEW TO EXISTING



**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
University of South Carolina  
Solomon Blatt Physical Education Center - Project  
No. H27-Z158

REVISIONS	NO.	NAME	DATE

DRAWN BY: DEM  
CHECKED BY: TFS

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**DRAWING TITLE**  
**DETAILS, NOTES, SCHEDULE, AND LEGEND**

**Swygert & Associates**  
CONSULTING ENGINEERS

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mail@swygert-associates.com

**PROJECT NO.** 0328.13  
**DATE** 06.02.14  
**DRAWING NO.** **P3.1**

**GENERAL NOTES**

- SUBMIT DRAWINGS INDICATING EXACT LOCATION OF ALL SPRINKLER HEADS FOR ARCHITECTS REVIEW AND BRING ALL FIELD CONFLICTS AND REQUIRED ADJUSTMENTS TO THE ARCHITECTS ATTENTION FOR VERIFICATION OF FINAL LOCATION OF ALL SPRINKLER HEADS.
- 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.
- 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.
- SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF 6" AWAY FROM CEILING GRID IN ALL ACOUSTICAL CEILING TILES.
- BRANCH LINES OR MAIN LINES FOR SPRINKLER PIPING THAT ARE BEING MOVED, ADDED, OR RELOCATED 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. ARM OVERS SERVING A SINGLE SPRINKLER SHALL BE EXEMPT.
- THIS CONTRACTOR SHALL NOT SUPPLY MORE THAN ONE SPRINKLER HEAD FROM ANY ONE EXISTING OUTLET.
- EXISTING SYSTEM TO BE MODIFIED TO ACCOMMODATE NEW WALLS AND SPACES AS REQUIRED TO PROVIDE A FULLY PROTECTED FLOOR. SEE ARCHITECTURAL PLANS FOR WALL TYPES.

**NOTES TO SHEET**

- EXISTING SPRINKLER SYSTEM SHALL BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW WALLS AND/OR CEILINGS. ANY NEW REQUIRED SPRINKLER HEADS SHALL BE UPRIGHT BRASS HEADS OR RECESSED HEADS WITH WHITE FINISH AS REQUIRED.
- AREA NOT CURRENTLY PROTECTED BY SPRINKLERS. CONTRACTOR SHALL EXTEND EXISTING SYSTEM INTO THIS AREA TO PROVIDE COMPLETE COVERAGE.

**NOTE:**  
ALL WORK SHALL COMPLY WITH NFPA 13 - 2010 EDITION FOR A WET PIPE SPRINKLER SYSTEM.

**LEGEND**

	- LIGHT HAZARD
	- ORDINARY HAZARD - GROUP 1

**LLR Fire Protection Sprinkler System Specification Sheet**  
(Per 404.10-200)

**Project name:** Blatt Natatorium Renovations - Swim Team Locker Rooms

**Location in South Carolina:** Address (street # & street name): 1300 Wheel Street State project:  Yes  No  
City: Columbia County: Richland State project #: N/A

**Water Supply Information**  
(Don't get equipment for this until approved for (919) 250-0111)  
Date test conducted: 03/28/2014 Static pressure (psi): 92 Residual pressure (psi): 65 Flow (gpm): 1505  
Distances of test gauges relative to the base of the riser: Horizontal (ft): 75' Vertical (elevation difference in ft): 10'  
Source of water supply:  Municipal stand-end  Municipal circulation  Other: Pipe Size (in.): 12"

**Test data by/for:** Name: Jason Shaw, P.E. Title: Water Engineer  
Organization: City of Columbia Telephone #: 803-545-3400

**Fire pump:**  Yes  No Pump Capacity (gpm): N/A Churn Pressure (psi): N/A  
 New  Existing Rated Pressure (psi): N/A Pressure @ 150% flow (psi): N/A

**On-site storage tank:**  Yes  No  New  Existing Tank capacity (gallons): N/A

**NFPA Hazard Classification**  
(attach continuation pages when necessary)

Area #	Class or Code Reference	Description of Hazard Protected (commodity description, storage height, and arrangement as applicable)
1	Light Hazard	Team Room, Locker Rooms, Restrooms, Etc.
2	Ordinary Hazard - Group 1	Storage

**Design Parameters**  
(attach continuation pages when necessary)

Area #	System Type	Density (gpm/ft <sup>2</sup> ) / Area (ft <sup>2</sup> ) or Other (reference code section)	Inside Hose (gpm)	Outside Hose (gpm)
1	Wet	0.10/1500	0	100
2	Wet	0.15/1500	0	250

Seismic Design Data: S<sub>w</sub>=0.419

**Codes and Standards**  
(attach continuation pages when necessary)

**Applicable Codes, Standards & Editions** (i.e. "2006 IBC", "2007 NFPA 13", etc.) for the Scope of Work on the Sprinkler System  
International Building Codes - 2012 Edition  
NFPA 13 - 2010 Edition

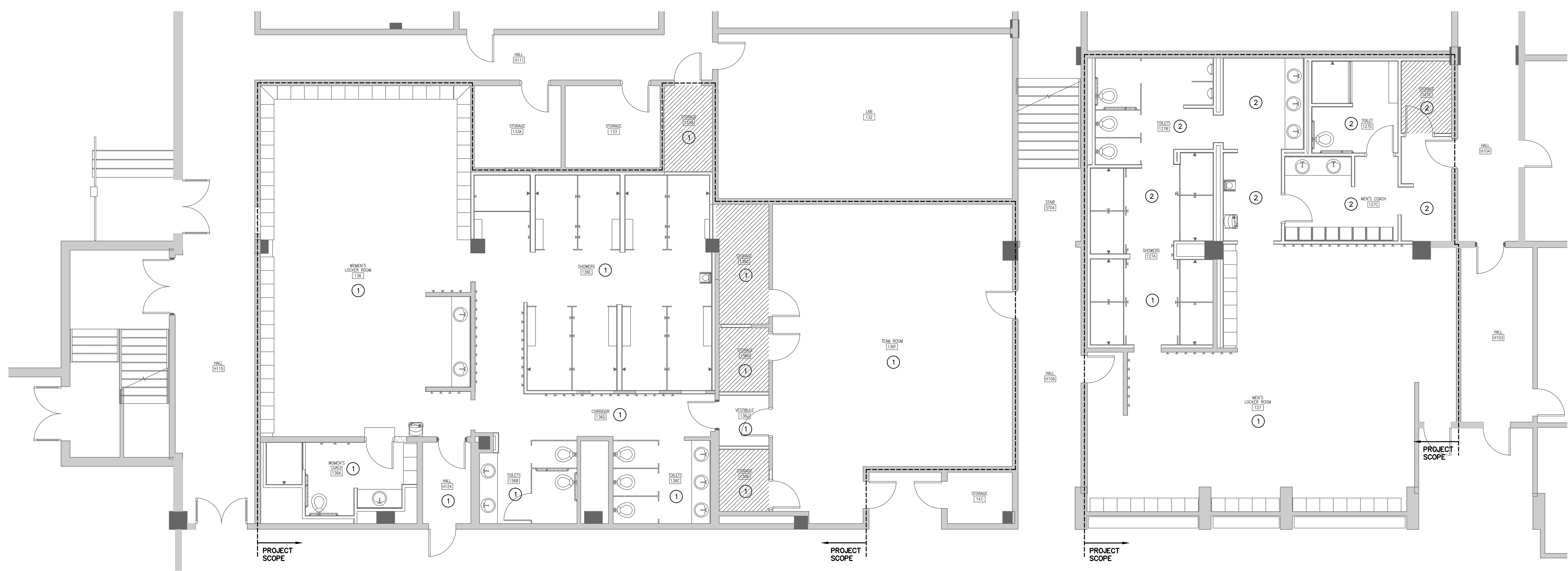
Scope of work (such as sprinkler system A.G. from 1'-4" A.F.F., U.G. from top to 5'-4" outside, etc.) and notes (attach continuation pages when necessary):  
Above ground changes to the existing system to accommodate new walls and ceilings.

**Specifier's Information**

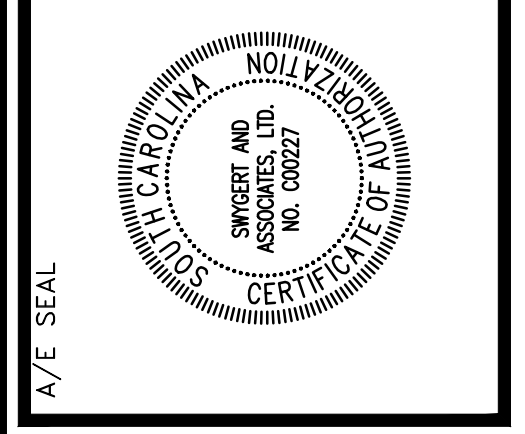
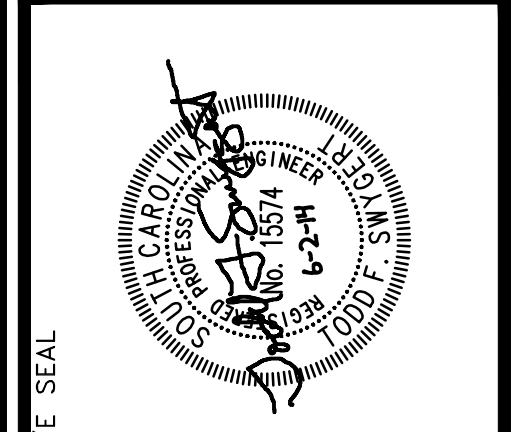
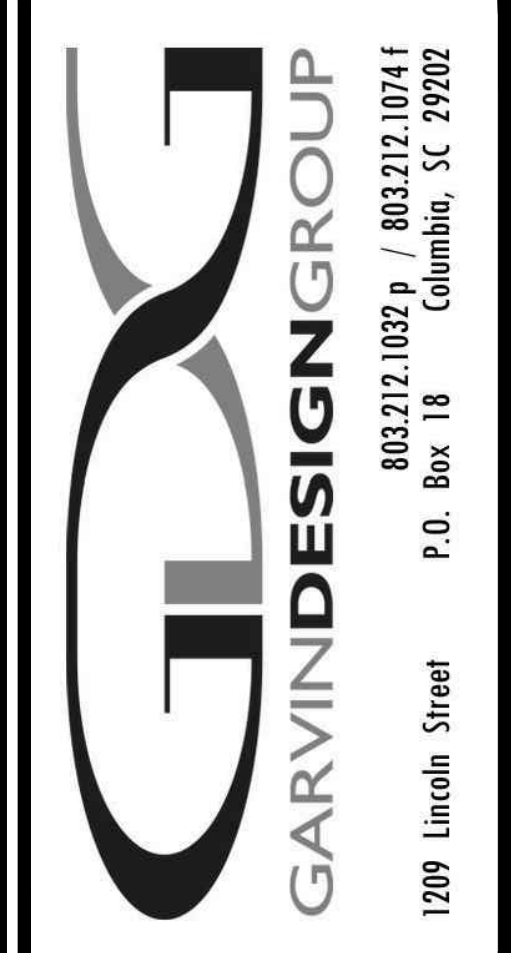
Name: Todd F. Swygert, P.E.  
Engineering services provided through a firm:  Yes  No  
Firm name: Swygert and Associates, Ltd.  
Address: Post Office Box 11686  
City: Columbia  
State: South Carolina Zip: 29211  
Phone #: (803)791-9300 Fax #: (803)791-0830  
E-mail: Todd@swygert-associates.com

Certificate of Authorization Professional Engineer's Seal  
Revision No.: 0 Page 1 of 1 Signature: *Todd F. Swygert* Date: 4/30/14

Form: Fire Sprinkler Specification Sheet  
Download user @ <http://www.llr.com/llr/llr/llr/index.asp?file=forms.htm>



**FIRST FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
University of South Carolina  
Solomon Blatt Physical Education Center - Project  
No. H27-Z158

**REVISIONS**

NO.	NAME	DATE

**DRAWN BY**  
**CHECKED BY**  
**DEM**  
**TFS**

**DRAWING TITLE**  
**FIRST FLOOR PLAN AND NOTES**

**PROJECT NO.** 13255  
**DATE** 06.02.14  
**DRAWING NO.** **FP1.1**

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ELECTRICAL SYMBOL LEGEND

- Lighting fixtures (see lighting fixture schedule)
Lighting fixtures with battery backed circuit power
Exit sign, single or double faced, ceiling or wall mounted, battery backed
Single pole switch, flush mounted in wall at 48" AFF T.O.B.
Three way switch flush mounted in wall at 48" AFF T.O.B.
Multi-level switching configuration, flush mounted in wall at 48" AFF T.O.B.
Dimmer switch flush mounted in wall at 48" AFF T.O.B.
Night light (no local switching)
Dual-technology occupancy sensor, unless noted otherwise
20 amp duplex receptacle, flush mounted in wall at 48" AFF
20 amp duplex receptacle, flush mounted in wall at 42" AFF or 6" above counter backsplash
20 amp double duplex receptacle, flush mounted in wall at 18" AFF unless noted otherwise
20 amp duplex receptacle, flush mounted in ceiling
Telephone pole - coordinate location with furniture and ceiling equipment
Voice/data J-box, flush mounted in wall at 18" AFF
Voice/data J-box, flush mounted in wall at 42" AFF
Voice/data J-box, flush mounted in ceiling or above ceiling
Floor box, multi-service, flush mounted in floor
Junction box, flush mounted in wall at 18" AFF
Junction box, flush mounted in ceiling or mounted above ceiling
Junction box, flush mounted in floor
Electrical panelboards, surface and flush mounted respectively
Electrical safety disconnect switch
Wire/conduit notation
Motor rated snap switch in NEMA 1 enclosure
Control station (function as indicated on plan)

- Fire alarm manual pull station, semi-flush mount in wall at 48" AFF T.O.B.
Fire alarm visible-only (strobe) indicating device, semi-flush mounted in ceiling
Fire alarm visible-only (strobe) indicating device, semi-flush mounted in wall at 80" AFF
Fire alarm horn/strobe indicating device, semi-flush mounted in ceiling
Fire alarm horn/strobe indicating device, (speaker type), semi-flush mounted in wall at 80" AFF
Photoelectric spot-type smoke detector, semi-flush mount detector in ceiling
Photoelectric spot-type smoke detector, wall mounted in elevator pit
135 degree spot-type heat detector, fixed temperature, semi-flush mount detector in ceiling
135 degree spot-type heat detector, fixed temperature, wall mounted in elevator pit
Duct type smoke detector
Duct detector test station, wall mounted 54" AFF
Sprinkler system flow switch
Sprinkler valve tamper switch
Sprinkler system pressure switch
Addressable interface unit, control or monitor type as applicable, mount in NEMA 1 enclosure
Post-indicating valve
Control panels (system as indicated), surface and flush mounted respectively
Security camera junction box
Electric door strike
Card reader junction box, 4" square, semi-flush mounted in wall at 48" T.O.B.
Security system keypad junction box, 4" square, semi-flush mounted in wall at 48" T.O.B.
Electronic door holder, floor mounted
Electronic door holder, wall mounted
CATV outlet, flush mounted in ceiling unless noted otherwise
CATV outlet, flush mounted in wall at 18" AFF unless noted otherwise
Speaker junction box, semi-flush mounted in ceiling unless noted otherwise
Speaker junction box, semi-flush mounted in wall at 80" AFF unless noted otherwise
Security system motion detector junction box, semi-flush mounted in ceiling, unless noted otherwise
Security system motion detector junction box, semi-flush mounted in wall at 80" AFF
Lighting control schem mark, see schedule
Light line represents existing device, fixture, or equipment to remain in place
Dashed line represents existing device, fixture, or equipment to be removed
Demolition/renovation notation schedule for detailed information

- Demolition/renovation notation
E - Existing fixture or device to remain in place
R - Existing fixture or device to be removed by electrical contractor
RE - Existing device to be removed by electrical contractor
RR - Existing fixture to be relocated by electrical contractor
RN - Relocated fixture (new location)

GENERAL NOTES

- Existing branch circuits listed were taken from as-built documents and have not been field verified
Contractor shall field verify source of branch circuits prior to work
All circuits shall be 2#12, 1#12 GND. in 3/4" C. unless noted otherwise
Communications, security cameras, and access control system raceways shall be routed from device locations to consolidation junction box
All work shall comply with NFPA70.2011 (National Electric Code)
Electrical layout drawings are diagrammatic
Install the electrical system without interfering with ducts, pipes, structural steel, or other systems
Locate lighting fixtures symmetrically in the proper relation to finished areas
Provide two #12 steel, slack cables to structure from each fixture mounted in a grid ceiling
Mount grouped devices in a single continuous multi-gang box
EMT fittings shall be of the compression type
Outlets which occur on opposite sides of a common wall shall be offset a minimum of 12 inches
Wall penetrations for raceways shall be provided by electrical contractor
Penetrating rated walls per architectural drawings

ELECTRICAL ABBREVIATIONS

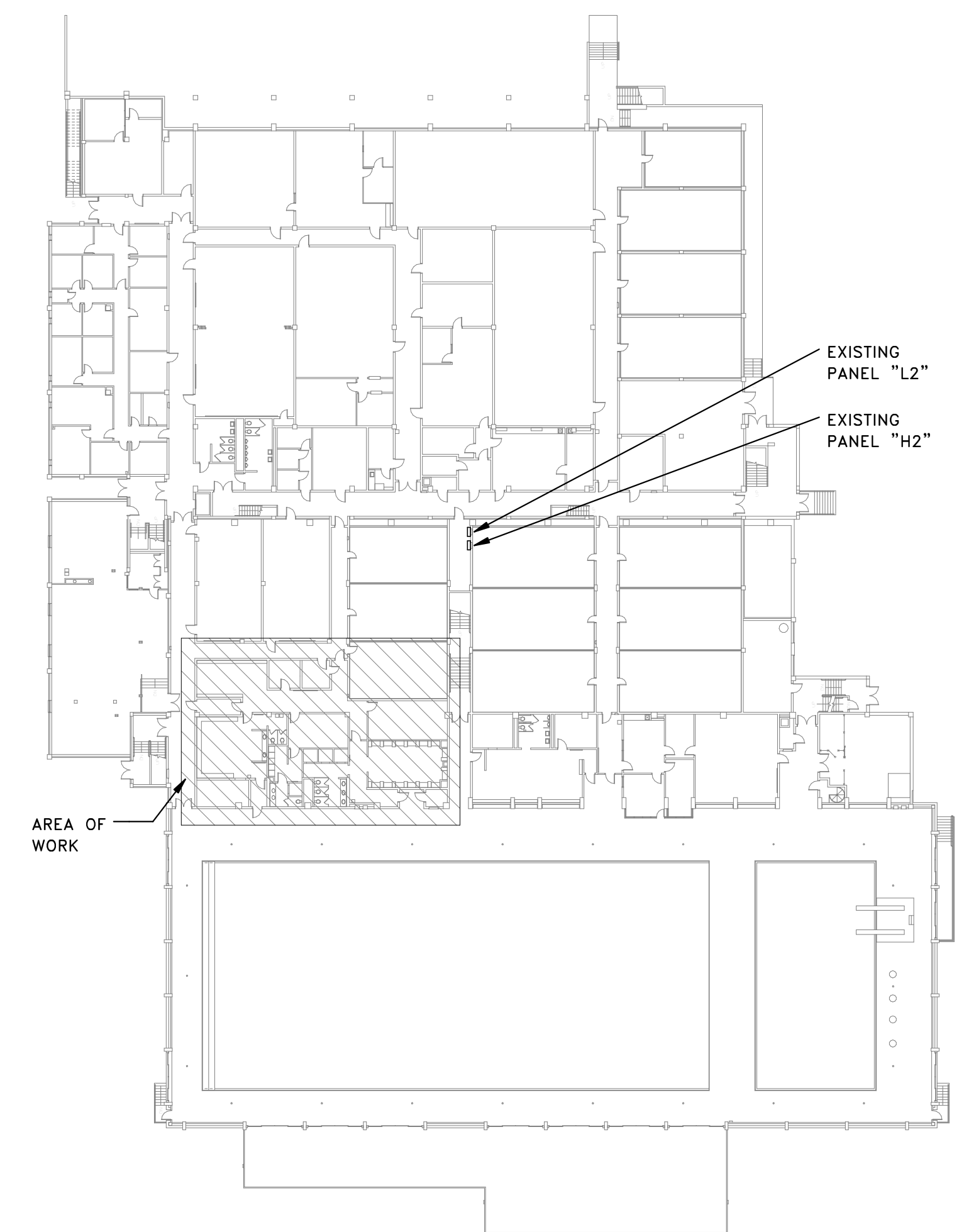
- AFF - Above finished floor
AFG - Above finished grade
AIU - Addressable interface unit
AL - Aluminum
BEC - By electrical contractor
BOC - By general contractor
BOF - Bottom of fixture
C - Conduit
CU - Copper
DACT - Digital alarm communicator transmitter
FAA - Fire alarm annunciator
FACP - Fire alarm control panel
FBO - Furnished by others
GFI - Ground fault interrupter
IG - Isolated ground
J-BOX - Junction box
MB - Main breaker
MD - Motor damper
MH - Mounting height
MLO - Main lugs only
NCE - Not concrete encased
NEC - National electrical code
NF - Non-fusible
NIC - Not in contract
PIV - Post indicating valve
SD - Smoke damper
SW - Switch
TOB - Top of box
TOF - Top of fixture
UC - Undercounter
WP - Weatherproof

LIGHTING FIXTURE SCHEDULE

Table with columns: Symbol, Type, Description, Manufacturer, Model, Optical Element, Mounting, Voltage, Lamps. Lists various lighting fixtures like 2'x2' fluorescent grid troffer, wet listed LED downlight, etc.

GENERAL LIGHTING NOTES

- Voltage differs based on each particular school
Lighting fixture manufacturers listed are basis of design
Locate lighting fixtures symmetrically in the proper relation to finished areas
Lighting fixture catalog numbers are indicative of the style of the fixture required
Provide two #12 steel, slack cables to structure from each fixture mounted in a grid ceiling



DISCONNECT SWITCH SCHEDULE

Table with columns: ID, AMPS, POLES, VOLTAGE, NEMA ENCLOSURE. Lists disconnect switch specifications for various circuits.

ALL SWITCHES SHALL BE GENERAL DUTY TYPE, FUSIBLE UNLESS NOTED WITH "NF" (NON-FUSIBLE)
ELEVATOR EQUIPMENT ROOM DISCONNECTS SHALL HAVE AUXILIARY CONTACT WITH TWO WIRE CONTROL CIRCUIT TO ELEVATOR UNIT.

WIRE/CONDUIT SCHEDULE

Table with columns: ID, WIRE, CONDUIT. Lists wire and conduit specifications for various circuits.

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

ELECTRICAL DRAWING INDEX

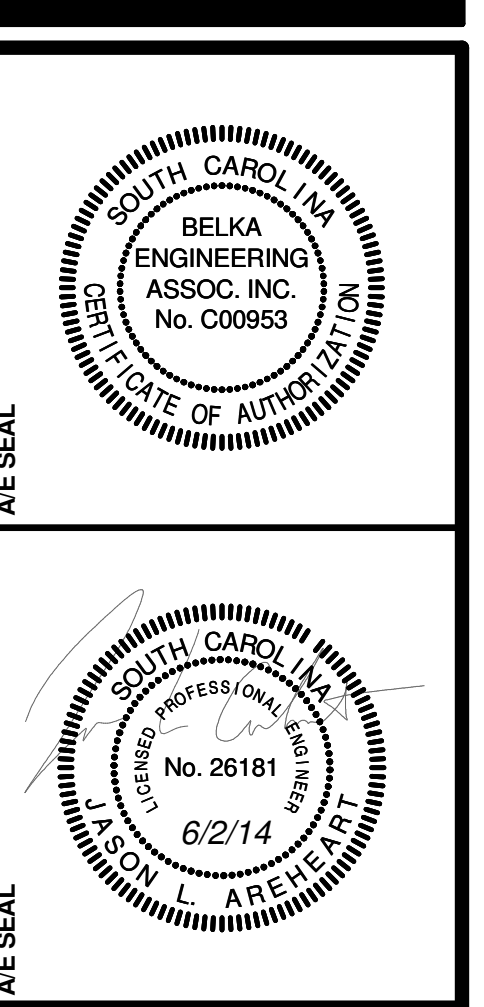
- E0.1 ELECTRICAL SYMBOL LEGEND & SCHEDULES
E1.1 LIGHTING DEMOLITION PLAN
E1.2 POWER/SYSTEMS DEMOLITION PLAN
E2.1 LIGHTING RENOVATION PLAN
E2.2 POWER/SYSTEMS RENOVATION PLAN

1 KEYPLAN SCALE: NOT TO SCALE



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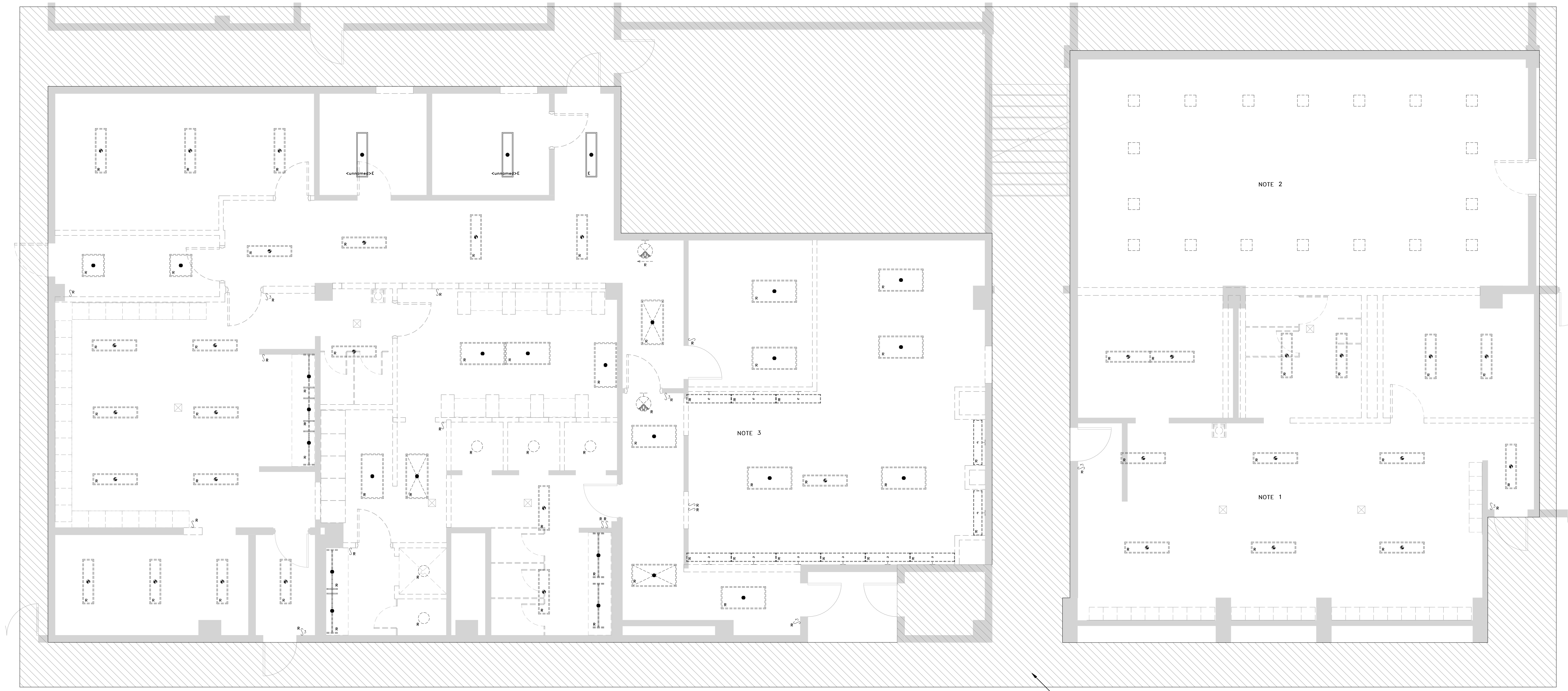


PROJECT TITLE: SWIM TEAM LOCKER ROOM RENOVATIONS
UNIVERSITY OF SOUTH CAROLINA Solomon Blatt Physical Education Center
PROJECT NO. H27-Z158

Table with columns: REVISIONS, NO., NAME, DATE

DRAWN BY: JUS
CHECKED BY: JJA

ELECTRICAL SYMBOL LEGEND & SCHEDULES
DRAWING NO. E0.1



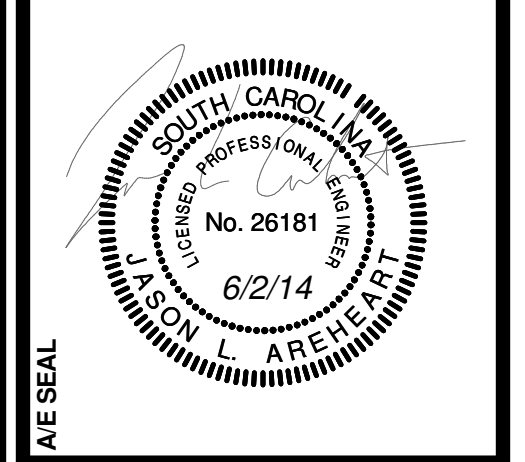
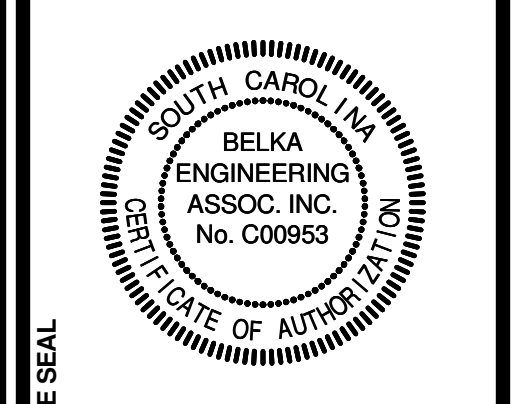
HATCHED AREA REPRESENTS SPACES THAT ARE NOT INSIDE THE SCOPE OF WORK

**1** FIRST FLOOR LIGHTING DEMOLITION PLAN  
 E1.1 SCALE: 1/4" = 1'-0"

- LIGHTING DEMOLITION NOTES**
- 1 AS-BUILT DRAWINGS INDICATE THE EXISTING LIGHTING IN THE MEN'S LOCKER ROOM IS SERVED FROM BRANCH CIRCUIT H2-3. CONTRACTOR SHALL FIELD VERIFY SOURCE PRIOR TO WORK.
  - 2 AS-BUILT DRAWINGS INDICATE THE EXISTING LIGHTING IN THE RACQUETBALL COURT IS SERVED FROM BRANCH CIRCUIT H2-15. CONTRACTOR SHALL FIELD VERIFY SOURCE PRIOR TO WORK. DISCONNECT EXISTING LIGHTING FIXTURES AND REMOVE ASSOCIATED LAMPS. ABANDON FIXTURES IN PLACE. DISCONNECT AND REMOVE ALL ASSOCIATED LIGHT SWITCHES. PROVIDE BLANK COVER PLATES WHERE SWITCHES ARE REMOVED.
  - 3 AS-BUILT DRAWINGS INDICATE THE EXISTING LIGHTING IN THE WOMEN'S LOCKER ROOM AND TEAM ROOM IS SERVED FROM BRANCH CIRCUIT H2-4. CONTRACTOR SHALL FIELD VERIFY SOURCE PRIOR TO WORK.

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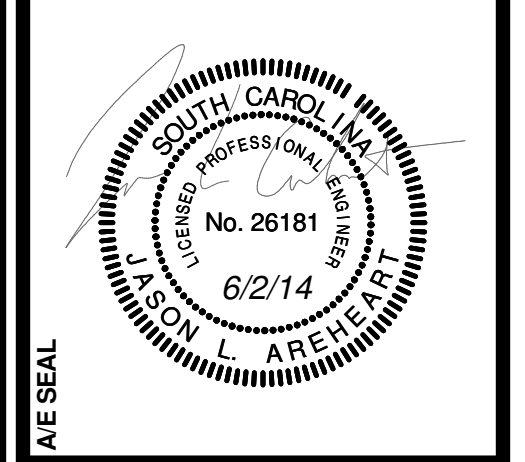
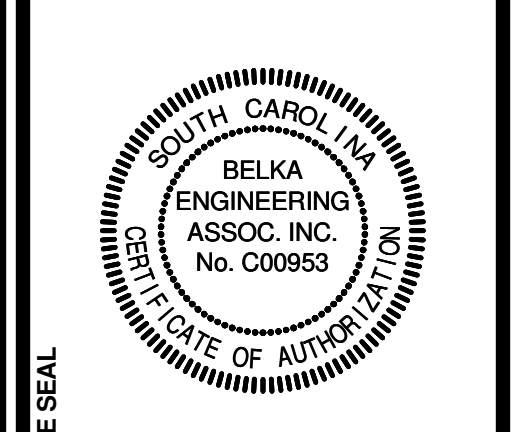
NO.	REVISIONS	NAME	DATE

**DRAWN BY:** JUS  
**CHECKED BY:** JJA

**DRAWING TITLE**  
**LIGHTING DEMOLITION PLAN**

**PROJECT NO.** U08E13  
**DATE** 08.02.14  
**DRAWING NO.** E1.1





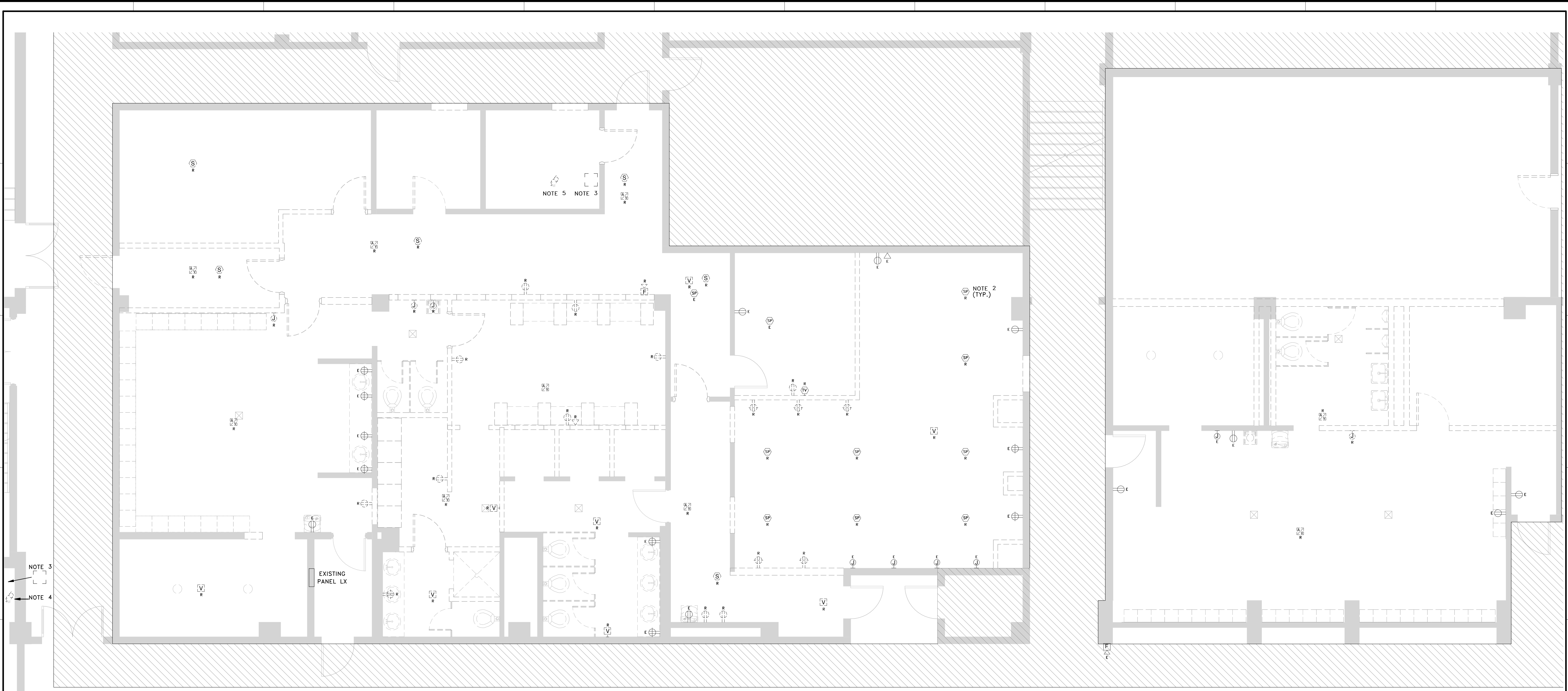
**PROJECT TITLE**  
**SWIM TEAM LOCKER ROOM RENOVATIONS**  
 University of South Carolina  
 Solomon Blatt Physical Education Center  
 Project No. R21-Z158

NO.	REVISIONS	NAME	DATE

JUL	JUL	JUL

**DRAWING TITLE**  
**POWER/SYSTEMS DEMOLITION PLAN**

**PROJECT NO.**  
 L02813  
**DATE**  
 08.02.14  
**DRAWING NO.**  
**E1.2**



**1 FIRST FLOOR POWER/SYSTEMS DEMOLITION PLAN**  
 E1.2 SCALE: 1/4" = 1'-0"

- POWER/SYSTEMS DEMOLITION NOTES**
- FIELD VERIFY SOURCE OF ALL BRANCH CIRCUITS PRIOR TO WORK.
  - SPEAKERS DESIGNATED FOR REMOVAL SHALL BE TURNED OVER TO OWNER.
  - ELECTRICAL CONTRACTOR SHALL DISCONNECT FEEDERS FOR THIS SPLIT SYSTEM. DEMOLISH BRANCH CIRCUITS IN THEIR ENTIRETY. LABEL BREAKER IN PANEL H9 AS SPARE. BREAKER IN PANEL L9 SHALL BE REPLACED IN RENOVATION PHASE.
  - ELECTRICAL CONTRACTOR SHALL DISCONNECT FEEDER FOR THIS EXHAUST FAN. MAINTAIN CONTINUITY OF REMAINING BRANCH CIRCUIT.
  - ELECTRICAL CONTRACTOR SHALL DISCONNECT FEEDER FOR CP-1. CIRCUIT SHALL BE EXTENDED IN RENOVATION PHASE TO FEED NEW EXHAUST FAN.

**EXISTING**

**Branch Panel: LX**

Location: HALL H124  
 Supply From: EXISTING PANEL "L2"  
 Mounting: Recessed  
 Enclosure: Type 1

Volts: 120/208 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating: 10,000  
 Mains Type: MCB  
 Mains Rating: 60 A  
 MCB Rating: 60 A

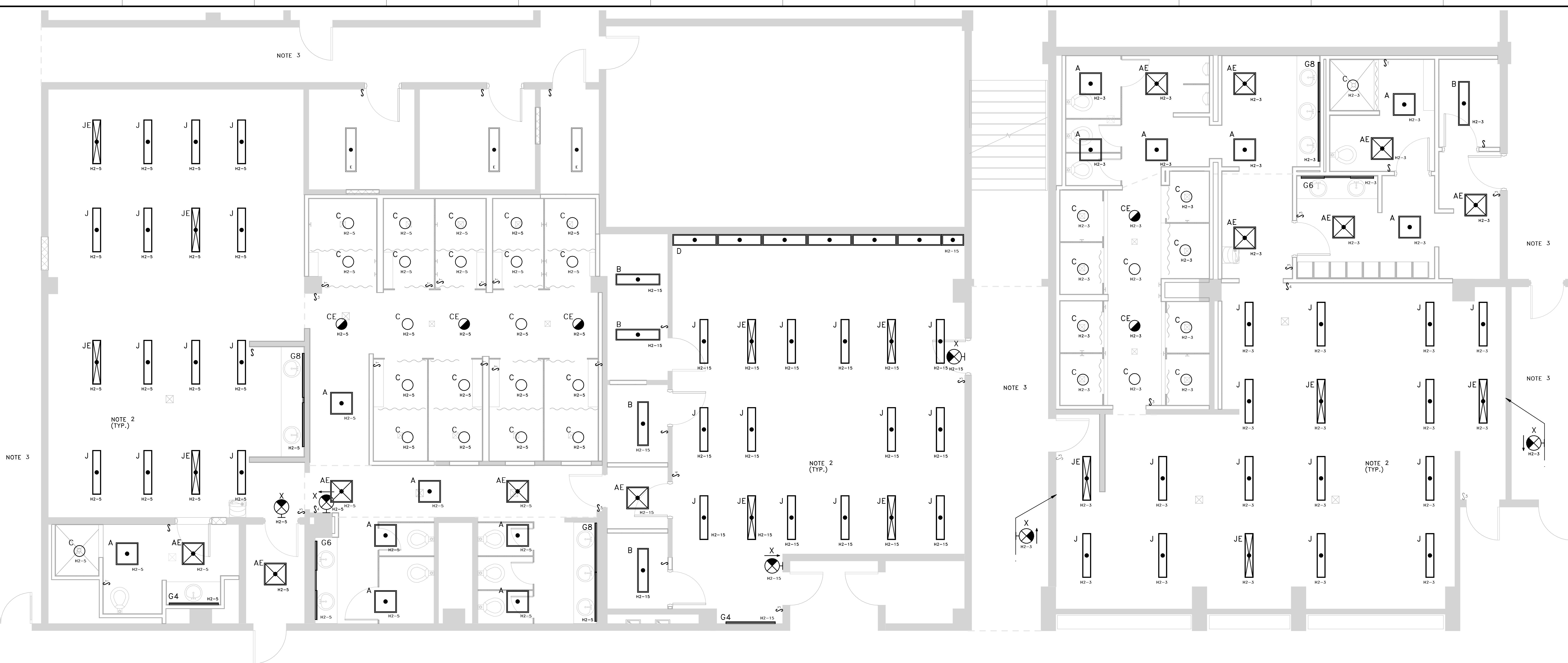
Notes:

CKT	Circuit Description	Wire ID	Trip	Poles	A	B	Poles	Trip	Wire ID	Circuit Description	CKT
1	SUITEMATE - WOMENS	0 A	1		0.0 kVA	0.0 kVA	1	0 A		HAIR / HAND DRYER	2
3	SUITEMATE - MENS	0 A	1		0.0 kVA	0.0 kVA	1	0 A		VANITY LIGHTING	4
5	WATER FOUNTAIN	0 A	1		0.0 kVA	0.0 kVA	1	0 A		VANITY RECPS.	6
7	EXHAUST FAN	0 A	1		0.0 kVA	0.0 kVA	1	0 A		VANITY RECPS.	8
9	MAIN CIRCUIT BREAKER	0 A	2		0.0 kVA	0.0 kVA	1	0 A		Spare	10
11					0.0 kVA	0.0 kVA	1	0 A		Spare	12
					<b>Total Load:</b>	0.0 kVA	0.0 kVA				
					<b>Total Amps:</b>	0 A	0 A				

Legend:

**Panel Totals**  
 Total Conn. Load: 0 VA

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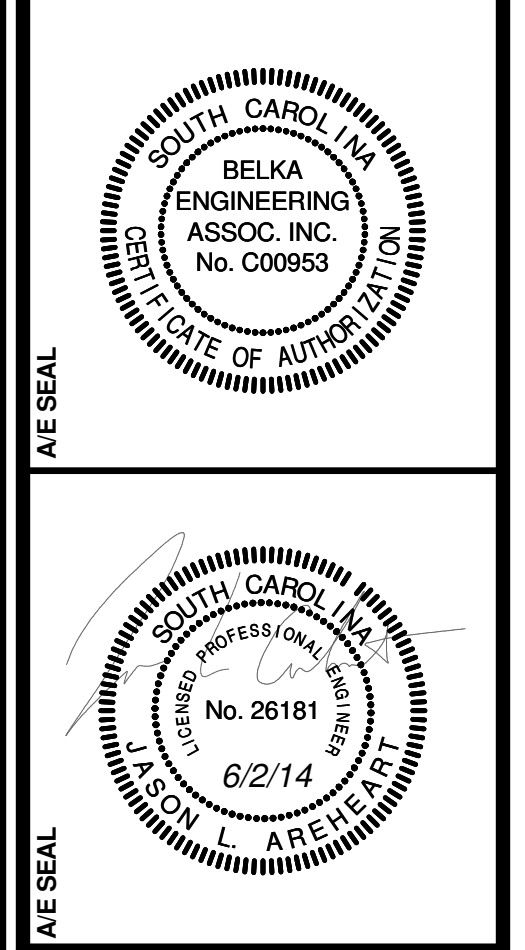


1 FIRST FLOOR LIGHTING RENOVATION PLAN – BASE BID  
 E2.1 SCALE: 1/4" = 1'-0"

- LIGHTING RENOVATION NOTES – BASE BID**
- INTENT IS FOR EXISTING LIGHTING BRANCH CIRCUIT IN EACH SPACE TO BE USED FOR NEW LIGHTING SYSTEMS. FIELD VERIFY SOURCE OF EACH BRANCH CIRCUIT PRIOR TO WORK.
  - CONTRACTOR SHALL COORDINATE PENDANT LENGTHS AS REQUIRED TO PROVIDE A LEVEL FIXTURE. FIXTURES MAY BE SUPPORTED FROM TWO DIFFERENT LEVELS OF STRUCTURE. COORDINATE EXACT LOCATION OF ALL FIXTURES WITH ARCHITECTURAL PLANS TO AVOID CONFLICTS WITH SUSPENDED TRANSLUCENT PANELS AND ANY OTHER CONFLICTS.
  - CEILING IN THIS AREA SHALL BE REMOVED TO ACCOMMODATE DIVISION 23 WORK. PROTECT ALL EXISTING LIGHTING FIXTURES, FIRE ALARM DEVICES, AND ANY OTHER ELECTRICAL SYSTEMS FROM DAMAGE DURING WORK. TEMPORARILY DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND OTHER CEILING MOUNTED EQUIPMENT DURING MECHANICAL WORK AND RE-INSTALL ONCE DUCT WORK IS COMPLETE.

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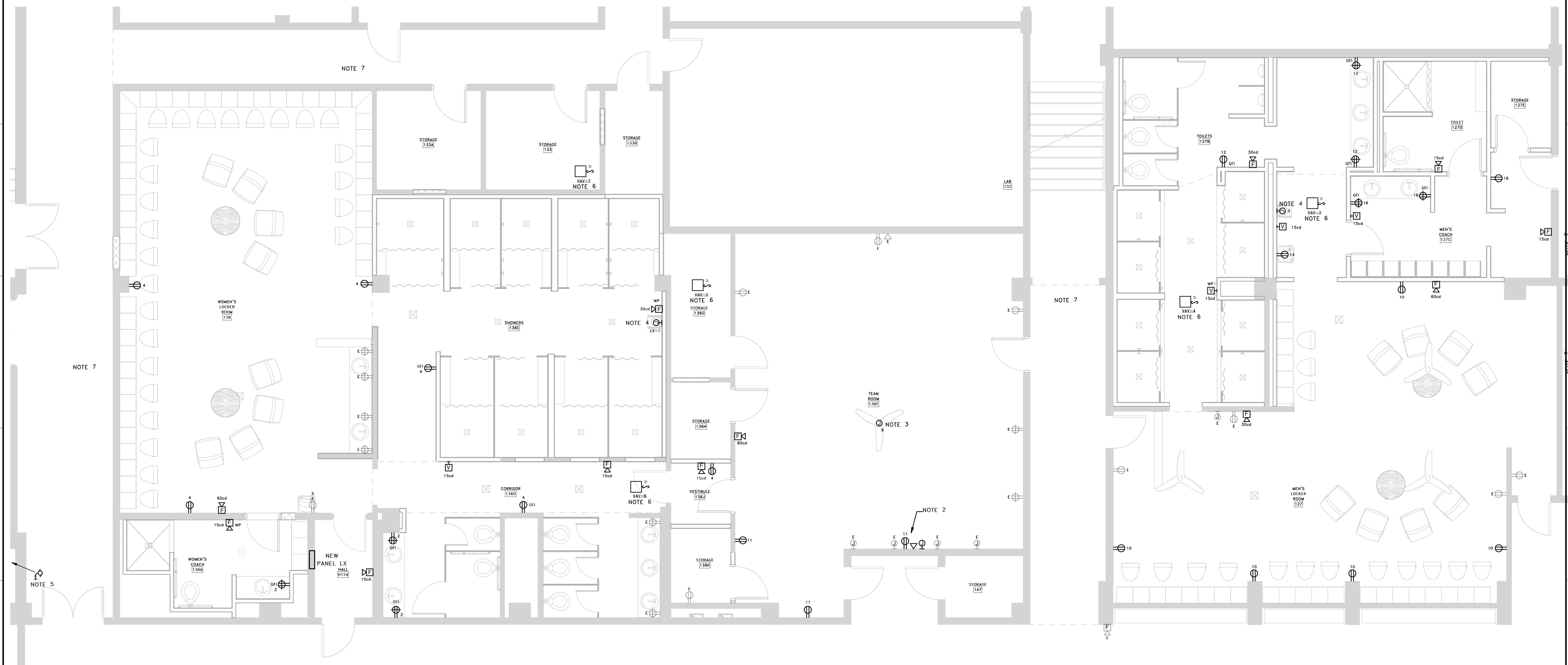
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NO.	REVISIONS	NAME	DATE

<b>DRAWN BY:</b>	JUS
<b>CHECKED BY:</b>	JJA

**DRAWING TITLE**  
 LIGHTING RENOVATION PLAN

<b>PROJECT NO.</b>	108113	<b>DRAWING NO.</b>	E2.1
<b>DATE</b>	08.02.14		



**1** FIRST FLOOR POWER/SYSTEMS RENOVATION PLAN  
 E2.2 SCALE: 1/4" = 1'-0"

- POWER/SYSTEMS RENOVATION NOTES**
- ALL ELECTRICAL EQUIPMENT AND DEVICES ON THIS SHEET SHALL BE FED FROM PANEL "LX" WITH CIRCUIT NUMBERS AS INDICATED.
  - PROVIDE DUPLEX RECEPTACLE, DATA JUNCTION BOX, AND A/V JUNCTION BOX SURFACE MOUNTED ON WALL CONCEALED BY TV. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
  - PROVIDE ELECTRICAL CONNECTION TO CEILING FAN (FURNISHED AND INSTALLED BY DIVISION 23). PROVIDE CONTROL WIRING AND MAKE ALL REQUIRED CONNECTIONS.
  - PROVIDE HARDWIRED CONNECTION TO EXISTING RELOCATED SUITMATE EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
  - EXTEND CIRCUIT THAT PREVIOUSLY FED CP-1 TO NEW EXHAUST FAN LOCATION.
  - 
  - CEILING IN THIS AREA SHALL BE REMOVED TO ACCOMMODATE DIVISION 23 WORK. PROTECT ALL EXISTING LIGHTING FIXTURES, FIRE ALARM DEVICES, AND ANY OTHER ELECTRICAL SYSTEMS FROM DAMAGE DURING WORK. TEMPORARILY DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND OTHER CEILING MOUNTED EQUIPMENT DURING MECHANICAL WORK AND RE-INSTALL ONCE DUCT WORK IS COMPLETE.

**NEW**

**Branch Panel: LX**  
 Location: HALL H124  
 Supply From: EXISTING PANEL "L2"  
 Mounting: Recessed  
 Enclosure: Type 1, with gasketed stainless steel cover

Volts: 120/208 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating: 10,000  
 Mains Type: MCB  
 Mains Rating: 60 A  
 MCB Rating: 60 A

Notes:  
 - CIRCUIT NUMBER(S) 14 SHALL BE GFCI BREAKER TYPE.

CKT	Circuit Description	Wire ID	Tripp	Poles	A	B	Poles	Tripp	Wire ID	Circuit Description	CKT
1	SUITMATE - WOMEN'S	20 A	1	1.4 kVA	0.6 kVA		1	20 A		RECPS - WOMEN'S	2
3	SUITMATE - MENS	20 A	1			1.4 kVA	1.2 kVA	1	20 A	RECPS - WOMEN'S	4
5	WATER FOUNTAIN	20 A	1	0.2 kVA	0.4 kVA			1	20 A	VANITY RECPS - WOMEN'S	6
7	EXHAUST FAN	20 A	1			0.0 kVA	0.4 kVA	1	20 A	VANITY RECPS - WOMEN'S	8
9	CEILING FAN	20 A	1	1.0 kVA	1.0 kVA			1	20 A	RECPS - MENS	10
11	RECPS / TV	20 A	1			0.6 kVA	0.6 kVA	1	20 A	VANITY RECPS - MENS	12
13	Spare	20 A	1	0.0 kVA	0.2 kVA			1	20 A	EW-C: GFI BREAKER	14
15	Spare	20 A	1			0.0 kVA	0.6 kVA	1	20 A	VANITY RECPS - MENS COACH	16
17	Spare	20 A	1	0.0 kVA	0.0 kVA			1	20 A	Spare	18
<b>Total Load:</b>					4.8 kVA	4.8 kVA					
<b>Total Amps:</b>					46 A	46 A					

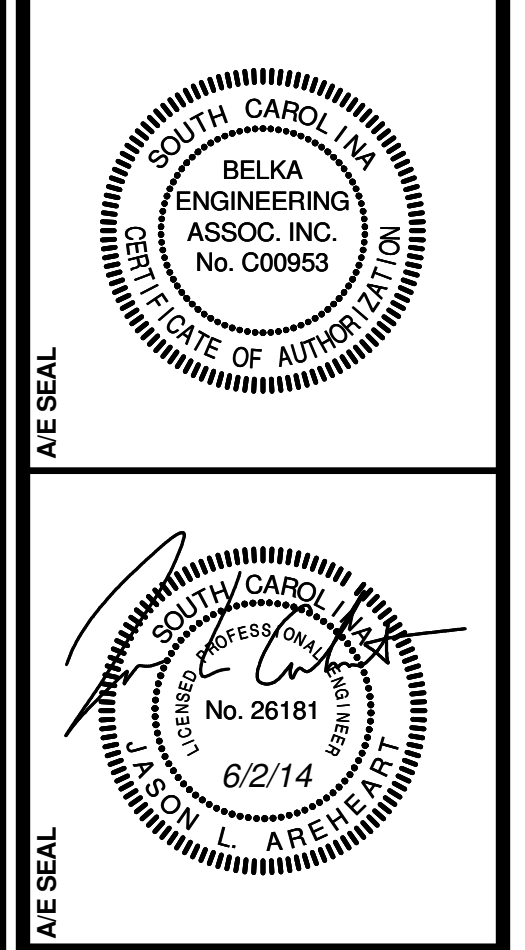
Legend:

**Panel Totals**  
 Total Conn. Load: 9600 VA

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**CHECKED BY:** JJA

**DRAWING TITLE**  
**POWER/SYSTEMS RENOVATION PLAN**

**PROJECT NO.** U0813  
**DATE** 06.02.14  
**DRAWING NO.** E2.2