

# RECREATION CENTER RENOVATIONS

764 CLAXTON AVE

ELBA, AL 36323

- FOR CONSTRUCTION -

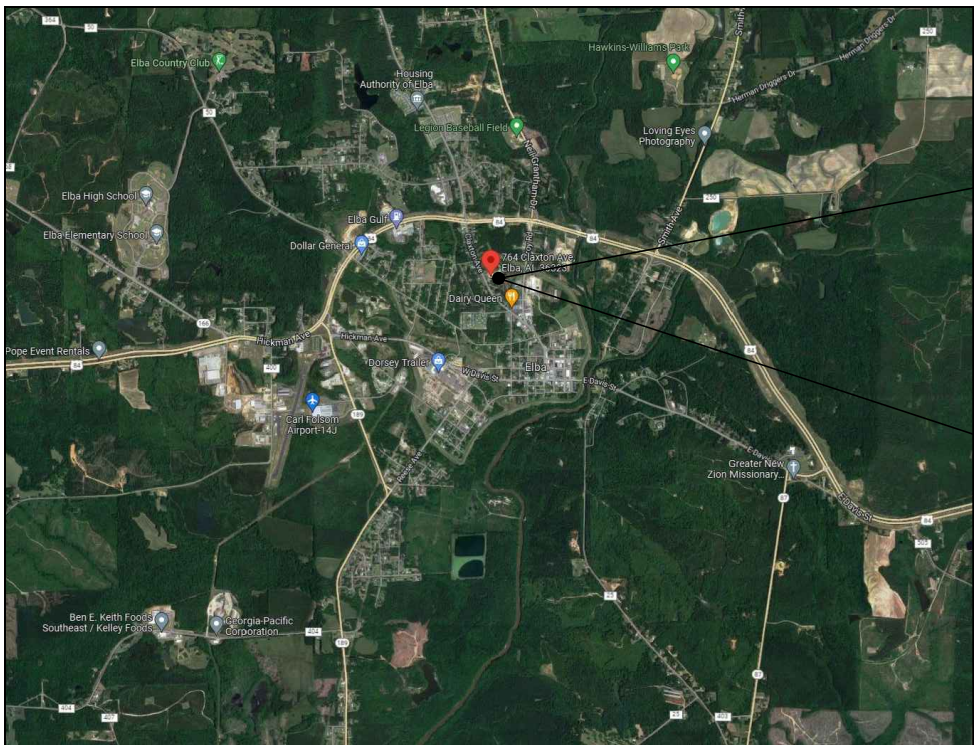
GENERAL PROJECT DESCRIPTION:  
THE PROJECT CONSISTS OF RENOVATIONS TO THE RECREATION CENTER  
FOR THE CITY OF ELBA, AL.

**AUTHORITIES HAVING JURISDICTION**  
CITY OF ELBA BUILDING DEPARTMENT

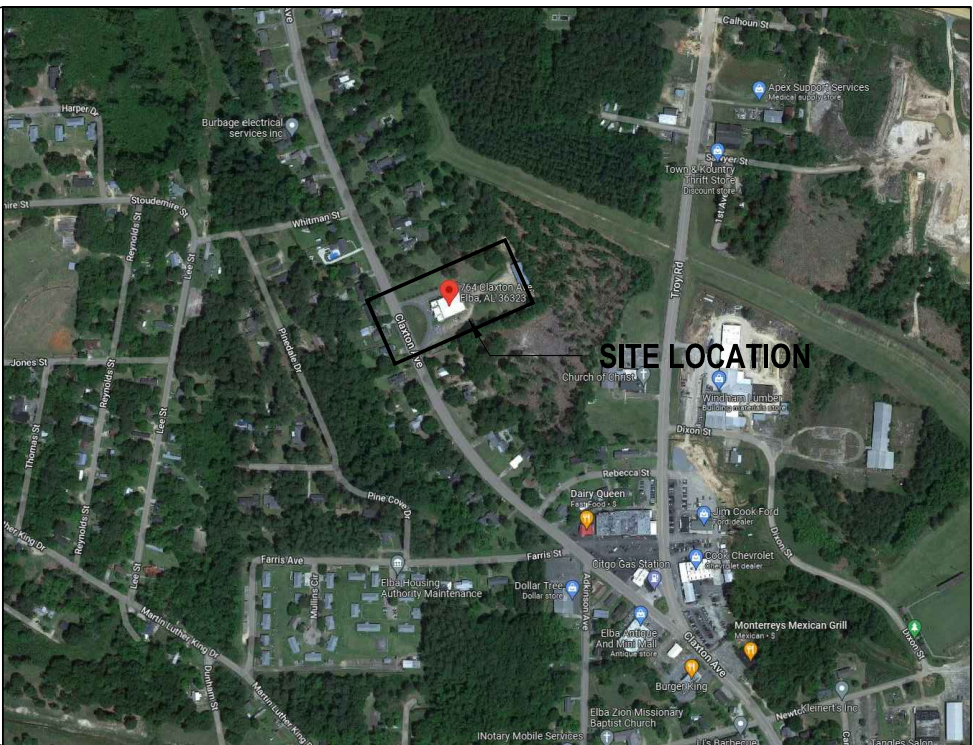
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APPLICABLE CODES (AS ADOPTED BY THE CITY OF ELBA, AL):  
INTERNATIONAL BUILDING CODE (IBC) 2009 EDITION  
INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2009 EDITION  
ICC A117.1 2009 EDITION  
AMERICANS WITH DISABILITIES ACT (ADA) 2010 (NOT ENFORCED BY BUILDING  
DEPARTMENT - BUT REQUIRED BY FEDERAL GOVERNMENT)  
INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2015 EDITION  
INTERNATIONAL PLUMBING CODE (IPC) 2009 EDITION  
INTERNATIONAL FUEL GAS CODE (IFGC) 2009 EDITION  
INTERNATIONAL MECHANICAL CODE (IMC) 2009 EDITION  
NATIONAL ELECTRICAL CODE (NEC) 2008 EDITION

\*\*\* NOTE: BUILDING ALSO COMPLIES WITH IBC 2015, PER THE STATE FIRE MARSHAL  
REQUIREMENTS



REGIONAL AERIAL IMAGE NOT TO SCALE



SITE AERIAL IMAGE NOT TO SCALE

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COVER PAGE & INDEX



G1.0

Sheet Number

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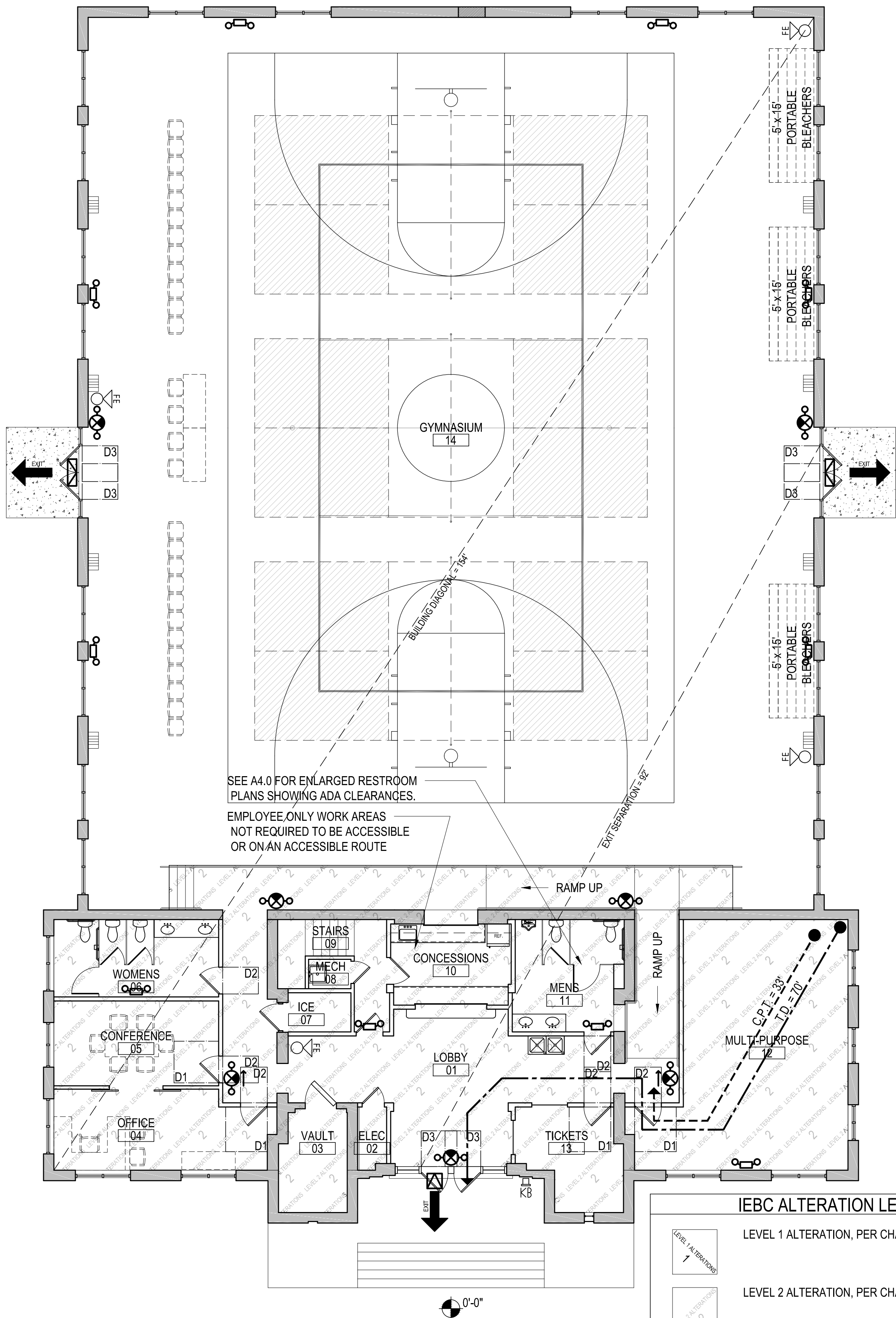
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JBP & JHF

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6-23-23

Revisions:





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

#### IEBC ALTERATION LEVELS

- LEVEL 1 ALTERATION, PER CHAPTER 6 OF THE IEBC
- LEVEL 2 ALTERATION, PER CHAPTER 7 OF THE IEBC
- \*\*\* LEVEL 3 ALTERATION, N/A PER CHAPTER 8 OF THE IEBC

CALCULATIONS (THIS PAGE ONLY)  
AREA OF LEVEL 2 ALTERATIONS = 3,557 SQ. FT.  
TOTAL FLOOR AREA = 11,325 SQ. FT.

#### LIFE SAFETY PLAN NOTES

##### GENERAL SCOPE OF WORK

THE EXISTING GYMNASIUM FLOOR WAS DETERIORATED, HAD BECOME A HAZARD, AND WAS REMOVED. THE WORK TO THE GYMNASIUM FLOOR IS BEING COMPLETED TO CORRECT DAMAGE AND IS CLASSIFIED AS A REPAIR, PER IEBC. THE FRONT, 2-STORY PORTION OF THE BUILDING IS UNDERGOING LEVEL 2 ALTERATIONS, PER IEBC. THE SCOPE OF THIS PROJECT DOES NOT INCLUDE WORK TO THE EXISTING STAIRS OR TO THE SECOND FLOOR, THOUGH.

**OCCUPANCY CLASSIFICATION - IBC CHAPTER 3, SECTIONS 303 & 304**  
BUSINESS (B) - OFFICE AREA, CONCESSIONS, RESTROOMS, & STORAGE  
ASSEMBLY (A-4) - GYMNASIUM

##### CONSTRUCTION TYPE - IBC CHAPTER 6, SECTION 602.3

TYPE III (B) - EXTERIOR MASONRY WALLS, PARTIAL CONCRETE SLAB ON GRADE, PARTIAL WOOD FLOOR FRAMING, WOOD STUD FRAMED INTERIOR WALLS, AND A MEMBRANE ROOF OVER WOOD FRAMING

##### ALLOWABLE HEIGHT - IBC CHAPTER 5, TABLE 503

65' ALLOWED VS. 27' PROVIDED  
(MEASURED TO AVERAGE HEIGHT OF HIGHEST ROOF SURFACE)

##### ALLOWABLE STORIES - IBC CHAPTER 5, TABLE 503

2 STORIES ALLOWED VS. 2 STORY PROVIDED

##### ALLOWABLE AREA - IBC CHAPTER 5, TABLE 503

9,500 SQ.FT. PER TABLE 503 + 7,125 SQ.FT. PERMITTED FRONTAGE INCREASE = 16,625 SQ.FT.  
16,625 SQ.FT. ALLOWED VS. 11,325 SQ.FT. ACTUAL ON 1ST FLOOR

##### INTERIOR OCCUPANCY SEPARATIONS - IBC CHAPTER 5, SECTION 508.3.3

NONE REQ'D VS. NONE PROVIDED

##### MEANS OF EGRESS - VERTICAL OPENINGS - IEBC CHAPTER 7, SECTION 703.2.1

NO PORTIONS OF EXISTING VERTICAL OPENINGS ARE CONTAINED WITHIN THE WORK AREA UNDERGOING LEVEL 2 ALTERATIONS. THEREFORE, THE EXISTING VERTICAL OPENINGS ARE ALLOWED TO REMAIN AS IS.

##### EXIT ACCESS TRAVEL DISTANCE - IBC CHAPTER 10, TABLE 1016.1

MAXIMUM EXIT ACCESS TRAVEL DISTANCE IS 200' VS 70' PROVIDED

##### FIRE SPRINKLER - IEBC CHAPTER 7 SECTION 704.2.2

NONE REQ'D AS THE LEVEL 2 ALTERATIONS DO NOT EXCEED 50 PERCENT OF THE FLOOR AREA ON ANY FLOOR.

##### FIRE ALARM - IEBC CHAPTER 7, SECTION 704.4

NONE REQ'D VS. NONE PROVIDED

##### PANIC HARDWARE - IEBC CHAPTER 7, SECTION 705.4.4

REQUIRED EXIT DOORS TO BE PROVIDED WITH PANIC HARDWARE

##### DEAD-END CORRIDORS - IEBC CHAPTER 7, SECTION 705.6

DEAD-END CORRIDORS IN ALL WORK AREAS SHALL NOT EXCEED 35' - MAX PROVIDED = 0'

##### MEANS OF EGRESS - IEBC CHAPTER 7, SECTION 705.7 & 705.8

MEANS OF EGRESS LIGHTING AND EXIT SIGNS REQUIRED - PROVIDED

##### COMMON PATH OF EGRESS TRAVEL - IBC CHAPTER 10, SECTION 1014.3

COMMON PATH OF TRAVEL SHALL NOT EXCEED 75' - MAXIMUM PROVIDED = 33'

##### ACCESSIBLE MEANS OF EGRESS - IEBC CHAPTER 6, SECTION 605.1 EXCEPTION 2

NONE REQ'D - ACCESSIBLE MEANS OF EGRESS ARE NOT REQUIRED TO BE PROVIDED IN EXISTING BUILDINGS

##### ENERGY CONSERVATION - IEBC CHAPTER 7, SECTION 711.1

ALTERATIONS SHALL CONFORM AS THEY RELATE TO NEW CONSTRUCTION ONLY

##### INTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601, & CHAPTER 10, TABLE 1018.1

NONE REQ'D VS. NONE PROVIDED  
(NONE REQUIRED BASED ON CONSTRUCTION TYPE, FIRE RATED CONSTRUCTION, OR MEANS OF EGRESS.)

##### EXTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601 AND 602

NONE REQUIRED BASED ON FIRE SEPARATION DISTANCE. (SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE EXCEEDS 30').  
2 HOUR REQUIRED BASED ON CONSTRUCTION TYPE

##### EXTERIOR WALL OPENING AREA - IBC CHAPTER 7, TABLE 705.8

UNLIMITED, UNPROTECTED OPENINGS ALLOWED  
(SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE IS GREATER THAN 30')

##### OCCUPANT LOAD - IBC CHAPTER 10, TABLE 1004.1.1.

BUSINESS OCCUPANCY  
100 GSF PER PERSON  
2,861 GSF / 100 GSF PER PERSON = 28.6 OCCUPANTS

##### GYMNASIUM OCCUPANCY (USING EXERCISE ROOMS FROM TABLE 1004.1.1)

50 GSF PER PERSON  
8,464 GSF / 50 GSF PER PERSON = 169.3 OCCUPANTS

TOTAL = 198 OCCUPANTS

##### NUMBER OF EXITS REQ'D VS. PROVIDED - IBC CHAPTER 10, SECTION 1015 AND TABLE 1015.1

2 REQ'D VS. 3 PROVIDED  
(NUMBER OF EXITS REQUIRED BASED ON OCCUPANT LOAD IS 2.  
NUMBER OF EXITS REQUIRED TO LIMIT COMMON PATH OF TRAVEL TO 75' IS 0)

#### LIFE SAFETY PLAN NOTES (CONT.)

##### EXIT CAPACITY REQUIRED VS. PROVIDED - IBC CHAPTER 10, SECTION 1005.1 AND 1008.1.1

39.6" CALCULATED EGRESS WIDTH REQUIRED  
32" CLEAR DOOR OPENING MIN. REQUIRED VS. 96" PROVIDED (3 DOORS @ 32" EACH)

198 OCCUPANTS X .2" OF EGRESS WIDTH PER OCCUPANT = 39.6" EGRESS WIDTH REQUIRED

##### INTERIOR FINISHES - IBC CHAPTER 8, TABLE 803.9 AND SECTION 804

CORRIDOR WALL AND CEILING FINISHES ARE TO BE CLASS B RATED AT MIN (NO CORRIDORS IN THE A-4 OCCUPANCY). ENCLOSED ROOM WALL AND CEILING FINISHES ARE TO BE CLASS C RATED AT MIN. FLOOR FINISHES ARE TO BE CLASS II RATED AT MIN.

##### EMERGENCY LIGHTING - IBC CHAPTER 10, SECTION 1006.3

THE FOLLOWING AREAS ARE REQUIRED TO BE PROVIDED WITH EMERGENCY LIGHTING WITH A MINIMUM 90 MINUTE EMERGENCY POWER.

1. ROOMS AND SPACES REQUIRING TWO OR MORE MEANS OF EGRESS
2. CORRIDORS
3. EXTERIOR LANDINGS AT EXIT DOORWAYS LEADING DIRECTLY TO THE EXIT DISCHARGE

##### PLUMBING FIXTURE COUNT - IBC CHAPTER 29, TABLE 2902.1

WATER CLOSETS:

- 2 MALE REQ'D VS. 2 PROVIDED + 1 URINAL
- 3 FEMALE REQ'D VS. 3 PROVIDED

LAVATORIES:

- 1 MALE REQ'D VS. 2 PROVIDED
- 1 FEMALE REQ'D VS. 2 PROVIDED
- 1 SERVICE SINK REQ'D VS. 1 PROVIDED
- 1 DRINKING FOUNTAIN REQ'D VS. 2 PROVIDED

#### LIFE SAFETY PLAN LEGEND

- COMMON PATH OF TRAVEL
- TRAVEL DISTANCE
- DEAD END CORRIDOR
- ADA CLEAR FLOOR SPACE / APPROACH AS NOTED. SEE DIAGRAMS BELOW.

EXIT: EXIT FROM THE BUILDING TO THE EXTERIOR

FIRE EXTINGUISHER: SURFACE MOUNT TO WALL WITH MFG. FURNISHED BRACKET. TO COMPLY WITH ADA, MOUNT SO BOTTOM OF EXTINGUISHER IS 26" ABOVE FINISH FLOOR. EXTINGUISHER IS TO BE A DRY CHEMICAL FIRE EXTINGUISHER CLASSIFICATION: 3-A: 40-B-C

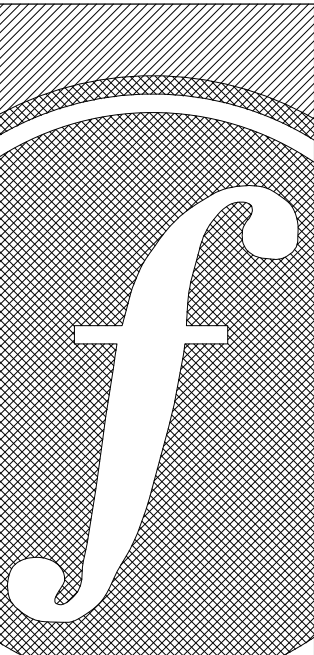
KNOX BOX: 3200 SERIES, RECESSED MOUNT IN DARK BRONZE LOCATE 6'-0" A.F.F. - CONFIRM WITH AHJ.  
INDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE ELECTRICAL DRAWINGS

INTERNALLY ILLUMINATED EMERGENCY EXIT SIGN WITH EMERGENCY LIGHTING AND BATTERY BACK-UP. FACE ILLUMINATED AND DIRECTIONAL ARROWS AS SHOWN ON PLAN: COLOR = WHITE. SEE ELECTRICAL DRAWINGS

OUTDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE SPECIFICATION IN ELECTRICAL DRAWINGS. COLOR = DARK BRONZE OR BLACK

#### ACCESSIBLE DOOR APPROACHES

- D1 FRONT APPROACH, PULL SIDE
- D2 FRONT APPROACH, PUSH SIDE
- D3 FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



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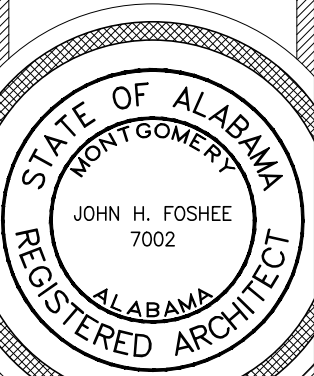
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LIFE SAFETY PLAN



G1.1  
Sheet Number



EXISTING CONDITIONS:

1. PROJECT PLANS HAVE BEEN DEVELOPED FROM A VISUAL EXAMINATION OF THE EXISTING BUILDING AND/OR PROJECT PLANS PROVIDED BY THE ARCHITECT. ACTUAL CONDITIONS MAY VARY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS RELATED TO EXISTING CONSTRUCTION AND MAKE MINOR ADJUSTMENTS AS REQUIRED. REPORT SIGNIFICANT DIFFERENCES TO ARCHITECT/ENGINEER.

STATEMENT OF SPECIAL INSPECTIONS

1. THE SEOR IS NOT RESPONSIBLE FOR PERFORMING THE SPECIAL INSPECTIONS ON THIS PROJECT. A QUALIFIED INSPECTOR SHALL BE REQUIRED IN ACCORDANCE WITH IBC 1704.2.1.
2. THE MATERIAL, SYSTEMS, COMPONENTS, AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS OR TESTS ARE INDICATED IN THE SCHEDULE OF SPECIAL INSPECTIONS.
3. THE TYPE OF EACH SPECIAL INSPECTION OR TEST IS NOTED IN THE SPECIAL INSPECTION SCHEDULE.
4. ANY ADDITIONAL STRUCTURAL OBSERVATIONS IN ACCORDANCE WITH IBC 1704.6 ARE NOTED ON THESE DRAWINGS.
5. THE FREQUENCY OF THE SPECIAL INSPECTION (PERIODIC / CONTINUOUS) IS NOTED WITH THE SPECIAL INSPECTION SCHEDULE.

GEOTECHNICAL INFORMATION

1. A GEOTECHNICAL SUB-SURFACE INVESTIGATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. FOUNDATION DESIGN IS BASED ON SUSPECTED SUB-SURFACE CONDITIONS TYPICAL FOR THE AREA. FOOTINGS ARE SIZED FOR A SOIL BEARING VALUE AS NOTED BELOW.
2. THE CONTRACTOR SHALL VERIFY THE CAPABILITY OF THE SOIL STRATA TO SUPPORT FOUNDATIONS PRIOR TO CASTING THE FOUNDATION.
3. THE FOUNDATION SHALL EXTEND TO A MINIMUM OF THE FROST PENETRATION DEPTH, TO A DEPTH WHERE SOIL MOISTURE CONTENT DOES NOT FLUCTUATE, A MINIMUM DEPTH OF 24" INTO ORIGINAL SOIL OR A MINIMUM DEPTH TO ACHIEVE THE BELOW NOTED BEARING CAPACITY (WHICHEVER IS GREATER).
4. NOTIFY THE ENGINEER SHOULD ANY UNUSUAL SOIL CONDITIONS BE ENCOUNTERED.

FOUNDATIONS:

1. THE "CONTROLLED AREA" SHALL EXTEND BENEATH AND 5 FEET BEYOND THE BUILDING AREA. THE "CONTROLLED AREA" SHALL BE COMPLETELY STRIPPED AND ALL SURFACE VEGETATION, ORGANIC FILL OR TOPSOIL, DEBRIS AND ANY OTHER DELETERIOUS MATERIAL.
2. THE SUBGRADE ELEVATIONS SHALL BE ESTABLISHED BY CONSTRUCTION OF AN ENGINEERED FILL USING SUITABLE FILL EARTH AND PLACED IN LIFTS NOT TO EXCEED 8". THE SUBGRADE SHALL BE DENSIFIED TO 98% (MIN.) STANDARD DENSITY (ASTM D-698A). VERIFYING IN-PLACE DENSITY TESTS ARE REQUIRED.
3. THE CONTRACTOR SHALL DE-WATER THE AREA OF THE BUILDING FOOTPRINT AS REQUIRED TO PREVENT PONDING OF WATER IN THE FOOTING TRENCHES. AND SLAB AREAS DURING EXCAVATION AND PRIOR TO CASTING FOOTINGS.
4. ASSUMED BEARING CAPACITY AS LISTED BELOW SHALL BE VERIFIED PRIOR TO CASTING FOOTINGS.
5. FOUNDATION DESIGN PARAMETERS:
- 5.1. ALLOWABLE BEARING CAPACITY CONTINUOUS SPREAD FOOTING ..... 2000 PSF
- 5.2. ALLOWABLE BEARING CAPACITY ISOLATED SPREAD FOOTING ..... 2000 PSF
- 5.3. MINIMUM PERIMETER FOOTING BEARING DEPTH BELOW FINISH GRADE ..... 24"
- 5.4. MINIMUM INTERIOR FOOTING BEARING DEPTH BELOW FINISH FLOOR ELEVATION ..... 12"

CONCRETE:

1. CONCRETE SHALL CONFORM TO THE BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE (ACI 318).
2. CONCRETE SHALL HAVE THE FOLLOWING COMPRESSIVE STRENGTH ( $f_c$ ) AT 28 DAYS BASED UPON ITS USE:
- 2.1. FOOTINGS ..... 3000 PSI (MIN.)
- 2.2. SLAB ON GRADE ..... 3000 PSI (MIN.)
- 2.3. COLUMNS, BEAMS ..... 4000 PSI (MIN.)
- 2.4. ELEVATED SLABS ..... 4000 PSI (MIN.)
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
4. WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A1064.
5. SLABS ON GRADE SHALL BE REINFORCED AS INDICATED ON PLANS W.W.F. PLACED AT 1/3 SLAB THICKNESS FROM TOP.
6. CAST IN PLACE ANCHOR RODS SHALL CONFORM TO ASTM F 1554 GR. 36.
7. MINIMUM CONCRETE COVER, (UNLESS OTHERWISE NOTED ON DRAWINGS) FOR REINFORCING SHALL BE:
- 7.1. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ..... 3 IN.
- 7.2. EXPOSED TO EARTH OR WEATHER ..... 2 IN.
- 7.3. BEAMS AND COLUMNS ..... 1 1/2 IN.
8. LAP ALL CONTINUOUS REINFORCEMENT WITH A CLASS B LAP SPLICE AS SPECIFIED IN LAP SPLICE SCHEDULE.
9. AT EXTERIOR BUILDING CORNERS FOOTINGS, PROVIDE 3'-0" X 3'-0" CORNER BARS, SAME SIZE AND NUMBER AS DETAILED HORIZONTAL BARS.
10. DOWEL ALL FOOTINGS WHERE THEY ABUT WITH SAME REINFORCEMENT AS DETAILED HORIZONTALLY AND WITH 2'-0" MINIMUM LAP.
11. CAST IN PLACE CONCRETE WALLS ARE UNSTABLE AND REQUIRE TEMPORARY CONSTRUCTION BRACING UNTIL INSTALLATION OF PERMANENT CONNECTION. TEMPORARY CONSTRUCTION BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR
12. SUBMITTALS
- 12.1. CONCRETE MIX DESIGNS
- 12.1.1. SUBMITTALS SHALL BE IN ACCORDANCE WITH ACI 301 AND ACI 318 (LATEST EDITIONS) PRIOR TO COMMENCEMENT OF CONCRETE WORK.
- 12.1.2. SUBMITTAL SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO SCHEDULING CONCRETE DELIVERY TO JOB SITE.
- 12.2. REINFORCEMENT SUBMITTALS
- 12.1.1. SUBMITTALS SHALL BE IN ACCORDANCE WITH ACI 315 (LATEST EDITION) AND SHOW, AT MINIMUM, ALL SIZES, DIMENSIONS, LOCATIONS OF ALL REINFORCEMENT AND EMBEDMENTS
- 12.1.2. SUBMITTAL SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD PRIOR TO FABRICATING REINFORCEMENT.

MASONRY:

1. CONCRETE MASONRY UNITS SHALL BE HOLLOW LOADBEARING CONFORMING TO ASTM C 90 ALL LOCATIONS.
2. MORTAR SHALL BE BE PROPORTIONED IN ACCORDANCE WITH ASTM C270.
3. GROUT SHALL BE PROPORTIONED IN ACCORDANCE WITH ASTM C476
4. TYPE M OR S FOR BELOW GROUND LEVEL AND EITHER TYPE N OR S FOR ABOVE GROUND CONFORMING TO ASTM C-270.
- 4.3. MINIMUM INDIVIDUAL NET AREA COMPRESSIVE STRENGTH OF SINGLE CMU ..... 2000 PSI
- 4.4. MINIMUM DESIGN STRENGTH OF MASONRY ( $f_m$ ) ..... 2000 PSI
- 4.5. GROUT COMPRESSIVE STRENGTH ..... 3000 PSI
5. HORIZONTAL JOINT REINFORCING SHALL BE LADDER TYPE FABRICATED WITH A SINGLE PAIR OF 9 GAGE SIDE RODS AND 9 GAGE CROSSRODS SPACED NOT MORE THAN 16" O.C. REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF SINGLE AND MULTIPLE WIDTH UNIT WALLS.
6. FILLED CELLS INDICATED ON PLAN SHALL BE FILLED WITH GROUT IN LIFTS OF 48" (MAX). TERMINATE LIFT 1-1/2" BELOW BED JOINT TO CREATE SHEAR KEY TO NEXT LIFT.
7. STARTER DOWELS AND EACH ADDITIONAL VERTICAL BAR SHALL BE TIED IN ACCORDANCE WITH TMS SPECIFICATIONS AND LAPPED PER CMU LAP SCHEDULE.
8. "WET SETTING" DOWELS SHALL NOT BE ALLOWED.
9. MASONRY WALLS ARE UNSTABLE AND REQUIRE TEMPORARY CONSTRUCTION BRACING UNTIL INSTALLATION OF PERMANENT CONNECTION. TEMPORARY CONSTRUCTION BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. MASONRY CONTROL JOINTS (M.C.J.) SHALL BE REQUIRED WITH SPACING SHOWN ON ARCHITECTURAL PLAN, MAXIMUM SPACING OF 25' OR 3 TIMES WALL HEIGHT ALONG WALL LENGTH AND 12'-0" MAX FROM WALL CORNERS. CONSTRUCT AS SHOWN ON MASONRY CONTROL JOINT DETAIL ON STRUCTURAL DRAWINGS.

STRUCTURAL STEEL

1. STRUCTURAL W-SECTION SHAPES SHALL CONFORM TO ASTM A992.
2. STRUCTURAL RECTANGULAR HSS SHALL CONFORM TO ASTM A500 GR. C.
3. STRUCTURAL ROUND HSS SHALL CONFORM TO ASTM A500 GR. C.
4. STRUCTURAL AND MISCELLANEOUS STEEL ITEMS SHALL CONFORM TO ASTM A36.
5. STRUCTURAL BOLTS SHALL BE ASTM A-325X WITH NUTS AND WASHERS.
6. DETAIL, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH LATEST AISC STANDARDS AND SPECIFICATIONS.
7. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 (LATEST EDITION)
8. ELECTRODES SHALL BE E70XX.
9. UNLESS OTHERWISE NOTED OR DETAILED, ALL SHEAR CONNECTIONS SHALL BE DESIGNED USING THE APPROPRIATE DATA FROM PART 10 "DESIGN OF SIMPLE SHEAR CONNECTIONS" FROM THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. DESIGN END REACTION IS 60% OF TOTAL ALLOWABLE LOAD (60% x  $W_o$ ) FROM THE ALLOWABLE LOAD OF BEAM TABLE FROM PART 9 - "DESIGN OF CONNECTING ELEMENTS" OF THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.

TIMBER FRAMING AND SHEATHING

1. WOOD FRAMING MEMBERS SHALL BE MINIMUM NO.2 SOUTHERN YELLOW PINE OR EQUIVALENT.
- 1.1.  $F_b$  = 1200 PSI
- 1.2.  $E$  = 1,500,000 PSI
2. LAMINATED VENEER LUMBER (MICROLLAM) SHALL HAVE THE FOLLOWING MINIMUM MATERIAL PROPERTIES:
- 2.1.  $F_b$  = 2600 PSI
- 2.2.  $E$  = 1,900,000 PSI
3. WHERE TWO-PLY OR MORE ARE INDICATED TO BE USED TOGETHER, THEY SHALL BE FASTENED BY WOOD GLUING AND NAILING 3 ROWS OF 16d NAILS @ 12" O.C. EACH SIDE FOR THE ENTIRE LENGTH OF THE MEMBER.
4. WHERE SO INDICATED ON PLANS, THE EXTERIOR FACE OF EXTERIOR STUD WALLS SHALL BE SHEATHED WITH 15/32 INCH WOOD STRUCTURAL PANELS AND NAILS WITH 16d NAILS AT 6" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS/STUDS. PROVIDE BLOCKING AT PANEL EDGES. THE STRUCTURAL SHEATHING SHALL BE FOR THE FULL WALL HEIGHT, AND WHERE OPENINGS OCCUR, THE WALL SHALL BE ENTIRELY SHEATHED INCLUDING AREAS ABOVE AND BELOW THE OPENINGS.
5. UNLESS OTHERWISE NOTED, ALL MEMBER CONNECTIONS SHALL HAVE STANDARD GALVANIZED METAL FRAMING ANCHORS OR CLIPS CONNECTING MEMBERS CARRYING ANY COMBINATION OF DEAD, LIVE, AND WIND LOADS

TRIMJOISTS

1. ALL TRIMJOISTS, WHERE NOTED ON PLAN, SHALL BE BY TRIMJOIST CORPORATION OR APPROVED EQUIVALENT MANUFACTURER WITH A PRODUCT THAT MEETS OR EXCEEDS THE SAME DESIGN CRITERIA.
2. ALL WOOD TRIMJOISTS ARE SIZED FOR "HIGH PERFORMANCE" AS DEFINED BY TRIMJOIST LOAD AND SPAN TABLES (L/600).
3. ALL DETAILS AND WORKMANSHIP STANDARDS SHALL CONFORM TO TRIMJOIST FRAMING INSTALLATION NOTES AND DETAILS.

DESIGN LOADS AND PARAMETERS:

1. LIVE LOADS:
- 1.1. ROOF ..... 20 PSF (REDUCIBLE)
- 1.2. TYPICAL FLOOR ..... 40 PSF
- 1.3. GYMNASIUM ..... 150 PSF
- 1.4. LOBBIES ..... 100 PSF
2. DEAD LOADS
- 2.1. ROOF ..... 10 PSF
- 2.2. ATTIC ..... 10 PSF
3. SNOW LOAD ..... 5 PSF
4. WIND PARAMETERS:
- 4.1. DESIGN CODE ..... ASCE 7-16
- 4.2. DESIGN WIND SPEED (ULT. 3 SEC GUST) ..... 123 MPH
- 4.3. OCCUPANCY CATEGORY ..... II
- 4.4. WIND EXPOSURE CATEGORY ..... B
- 4.5. INTERNAL PRESSURE COEFFICIENTS ..... +/- 0.18
5. SEISMIC PARAMETERS:
- 5.1. SEISMIC USE GROUP ..... II
- 5.2. SEISMIC IMPORTANCE FACTOR ( $I_e$ ) ..... 1.00
- 5.4. SITE CLASS ..... D
- 5.8. SEISMIC DESIGN CATEGORY ..... C
- 5.9. MAPPED SPECTRAL RESPONSE ACCELERATION:
- 5.9.1.  $S_s$  ..... 0.130
- 5.9.2.  $S_1$  ..... 0.071
- 5.10. SPECTRAL RESPONSE COEFFICIENTS:
- 5.10.1.  $S_{ds}$  ..... 0.120
- 5.10.2.  $S_{d1}$  ..... 0.100

APPLICABLE CODES

UNLESS OTHERWISE NOTED OR SPECIFIED, ALL CONSTRUCTION SHALL CONFIRM TO THE FOLLOWING CODES (LATEST EDITION UNLESS NOTED OTHERWISE):

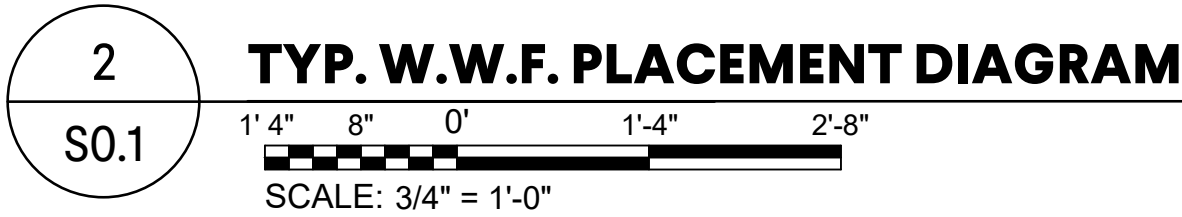
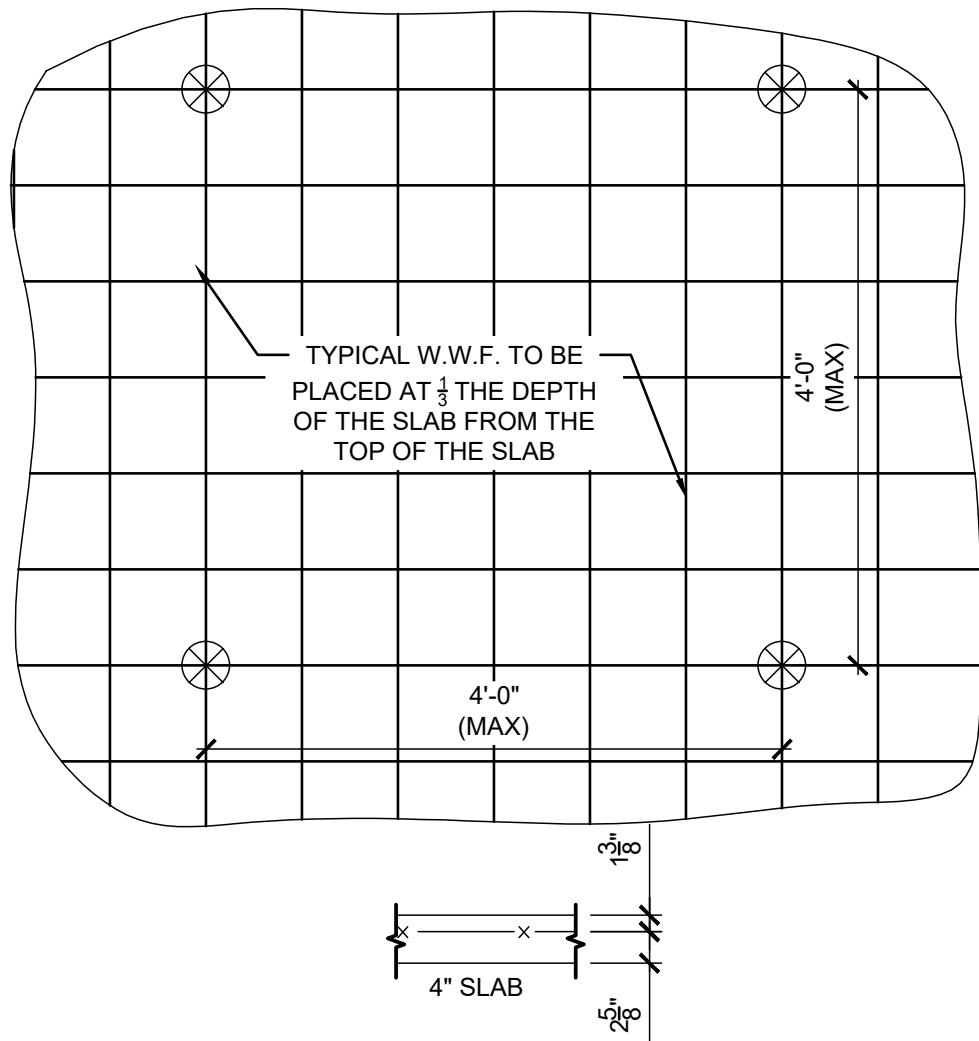
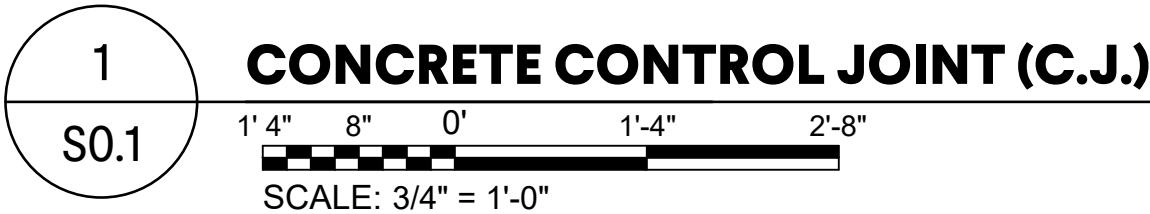
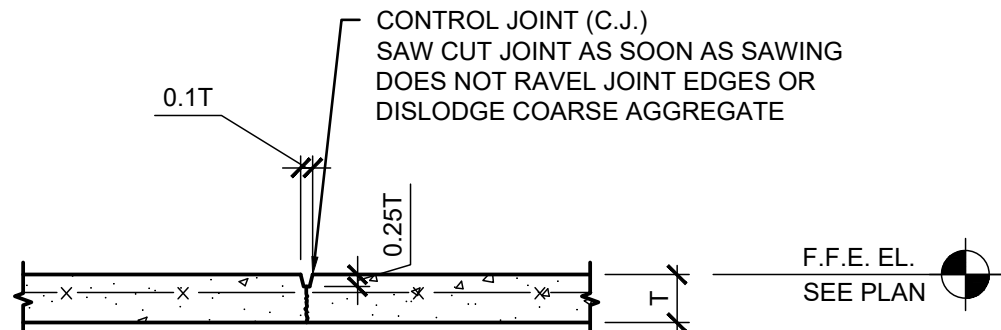
- IBC 2015 INTERNATIONAL BUILDING CODE
- ASCE 7-16 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES
- ACI 318 AMERICAN CONCRETE INSTITUTE
- AISC 360 AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS (AS SPECIFIED IN CODES)
- AWS D1.4 AMERICAN WELDING SOCIETY
- SDPWS SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC
- AWC NDS NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION
- TMS 402 BUILDING CODE FOR MASONRY STRUCTURES
- TMS 602 SPECIFICATION FOR MASONRY STRUCTURES
- TPI 1 NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION
- WRI/CRSI DESIGN OF SLAB-ON-GROUND FOUNDATIONS - WITH 1996 UPDATE

CONCRETE REINFORCEMENT LAP SPLICE SCHEDULE

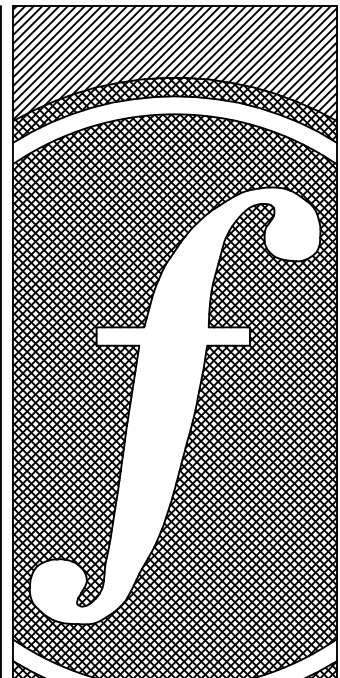
CONCRETE COMPRESSIVE STRENGTH		3000 PSI		4000 PSI	
BAR SIZE (#)	SPLICE TYPE	TOP BAR (IN.)	OTHER BAR (IN.)	TOP BAR (IN.)	OTHER BAR (IN.)
3	DEVELOPMENT LENGTH	21	16	18	14
	CLASS B LAP SPLICE	28	21	24	18
4	DEVELOPMENT LENGTH	28	22	25	19
	CLASS B LAP SPLICE	37	28	32	25
5	DEVELOPMENT LENGTH	36	27	31	24
	CLASS B LAP SPLICE	46	36	40	31
6	DEVELOPMENT LENGTH	43	33	37	28
	CLASS B LAP SPLICE	56	43	48	37
7	DEVELOPMENT LENGTH	62	48	54	42
	CLASS B LAP SPLICE	81	62	70	54
8	DEVELOPMENT LENGTH	71	55	62	47
	CLASS B LAP SPLICE	93	71	80	62
9	DEVELOPMENT LENGTH	80	62	70	54
	CLASS B LAP SPLICE	104	80	90	70
10	DEVELOPMENT LENGTH	90	70	78	60
	CLASS B LAP SPLICE	118	90	102	78
11	DEVELOPMENT LENGTH	100	77	87	67
	CLASS B LAP SPLICE	131	100	113	87

REINFORCEMENT LAP SPLICE NOTES

1. "TOP BAR" INDICATES MORE THAN 12" OF FRESH CONCRETE PLACED BELOW SPLICE ( $\psi_s = 1.3$ )
2. "OTHER BAR" INDICATES BAR WITH LESS THAN 12" OF FRESH CONCRETE PLACED BELOW SPLICE ( $\psi_s = 1.0$ )
3. LAP SCHEDULE ASSUMES NORMAL WEIGHT CONCRETE ( $\lambda = 1.0$ )
4. LAP SCHEDULE ASSUMES UNCOATED BARS ( $\psi_e = 1.0$ )
5. SPACING / CLEAR COVER REQUIREMENTS:
- 5.1. CLEAR SPACING OF BARS BEING DEVELOPED OR LAP SPICED NOT LESS THAN ONE BAR DIAMETER, CLEAR COVER NOT LESS THAN ONE BAR DIAMETER, AND STIRRUPS OR TIES THROUGHOUT LAP SPLICE NOT LESS THAN CODE MINIMUM.
- (OR)
- 5.2. CLEAR SPACING OF BARS BEING DEVELOPED OR LAP SPICED NOT LESS THAN 2 BAR DIAMETERS AND CONCRETE COVER NOT LESS THAN BAR DIAMETER.
6. NOTIFY ENGINEER OF RECORD IF CONDITIONS/ASSUMPTIONS ABOVE ARE NOT MET.



8" CMU REINFORCEMENT LAP SPLICE SCHEDULE			
MASONRY STRENGTH (f'm) (PSI)	BAR SIZE (#)	DEVELOPMENT/ LAP LENGTH (FT.-IN.)	NOTES
2500	3	1'-6"	REINFORCEMENT TO BE CENTERED IN CELL UNLESS OTHERWISE NOTED
	4	2'-0"	
	5	2'-6"	
	6	3'-4"	

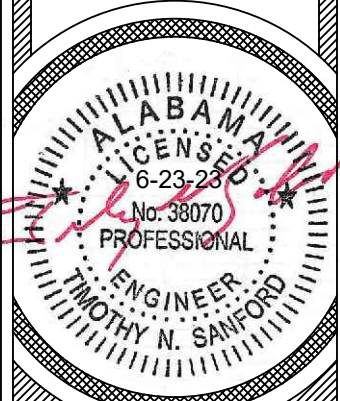


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Revisions:	

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GENERAL NOTES AND  
SCHEDULES



S0.1

Sheet Number





SCHEDULE OF SPECIAL INSPECTIONS PER IBC					
IBC REFERENCE	MATERIAL / SYSTEMS / COMPONENTS / WORK	REQ'D (Y/N)	TYPE / EXTENT INSPECTION OR TEST REFERENCED STANDARD	PERIODIC / CONTINUOUS	ADD'L REQUIREMENTS
SPECIAL CASES					
1705.1.1.1	MATERIAL & SYSTEMS ALTERNATIVES TO THAT PRESCRIBED BY CODE	N		P	
1705.1.1.2	UNUSUAL DESIGN APPLICATIONS	N		P	
1705.1.1.3	MATERIALS & SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS	N		P	
STEEL CONSTRUCTION					
1705.2.1	STRUCTURAL STEEL	Y	AISC 360 REQUIREMENTS	SEE AISC CHAPTER N	
1705.2.2	COLD-FORMED STEEL DECK	N	SDI QA/QC REQUIREMENTS	SEE SDI QC/QA APPENDIX 1	
1705.2.3	OPEN-WEB STEEL JOISTS AND JOIST GIRDERS	N	SEE IBC TABLE 1705.2.3		
1705.3.4	COLD-FORMED TRUSSES SPANNING 60' OR GREATER	N	VERIFY ALL DETAILS IN ACCORDANCE W/ APPROVED TRUSS DRAWINGS	P	
CONCRETE CONSTRUCTION					
1705.3.1	WELDING OF REINFORCING BARS	N	AWS D1.4 REQUIREMENTS	SEE SPEC	
1705.3.2	MATERIAL TEST	N	ACI 318 CH. 19 & 20 REQUIREMENTS	SEE SPEC	
MASONRY CONSTRUCTION					
1705.4.1	GLASS UNIT MASONRY AND MASONRY VENEER IN RISK CATEGORY IV	N	TMS 602 LEVEL 2	SEE TMS 602 TABLE 4	
1705.4.2	VERTICAL MASONRY FOUNDATION ELEMENTS	Y	TMS 602 LEVEL 2	SEE TMS 602 TABLE 4	
WOOD CONSTRUCTION					
1705.5.1	HIGH LOAD DIAPHRAGMS	N	VERIFY ALL CONSTRUCTION IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS	P	
1705.5.2	METAL PLATE CONNECTED WOOD TRUSSES SPANNING 60' OR GREATER	Y	VERIFY ALL DETAILS IN ACCORDANCE W/ APPROVED TRUSS DRAWINGS	P	
1705.5.3	MASS TIMBER CONSTRUCTION (TYPE IV-A, IV-B, AND IV-C CONSTRUCTION)	N		P	
SOILS					
1705.6	SPECIAL INSPECTION AND TEST OF EXISTING SITE SOIL CONDITIONS	Y		P	
FOUNDATIONS					
1705.7	SPECIAL INSPECTION AND TEST OF DURING INSTALLATION OF DRIVEN DEEP FOUNDATION ELEMENTS	N		C	
1705.8	SPECIAL INSPECTION AND TEST OF DURING INSTALLATION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS	N		C	
1705.9	EQUIPMENT USED, PILE DIMENSIONS, TIP ELEVATIONS, FINAL DEPTH, FINAL INSTALLATION TORQUE, & ANY OTHER REQUIRED DATA	N		C	
1705.10	WHEN THERE IS A REASONABLE DOUBT AS TO THE STRUCTURAL INTEGRITY OF A DEEP FOUNDATION ELEMENT, AN ENGINEERING ASSESSMENT SHALL BE REQUIRED	N		C	
FABRICATED ITEMS					
1705.11	SPECIAL INSPECTION OF FABRICATED ITEMS IN ACCORDANCE WITH IBC 1704.2.5	N		P	
SPECIAL INSPECTIONS FOR WIND RESISTANCE					
1705.12.1	STRUCTURAL WOOD	N		P	
	FIELD GLUING	N		C	
	NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS IN THE MWFRS	Y		P	
1705.12.2	COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION	N		P	
	WELDING	N		P	
	SCREW ATTACHMENT, BOLTING, ANCHORING, OTHER FASTENING OF ELEMENTS IN THE MWFRS	N		P	
1705.12.3.1	ROOF COVERING, ROOF DECKING, AND ROOF FRAMING CONNECTIONS	Y		P	
1705.12.3.1	EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	Y		P	
SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE					
1705.13.1	STRUCTURAL STEEL	N		P	
1705.13.1.1	SFRS IN SEISMIC DESIGN CATEGORIES B, C, D, E, AND F	N		P	NOTE EXCEPTIONS
1705.13.2	SFRS ASSIGNED TO DESIGN CATEGORIES C, D, E, AND F	N		P	
	FIELD GLUING	N		C	
	NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS IN THE MSFRS	N		P	
1705.13.3	COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION	N		P	
	WELDING	N		P	
	SCREW ATTACHMENT, BOLTING, ANCHORING, OTHER FASTENING OF ELEMENTS IN THE MWFRS	N		P	
1705.13.4	DESIGNATED SEISMIC SYSTEMS	N		P	
1705.13.5	ARCHITECTURAL COMPONENTS	N		P	NOTE EXCEPTIONS
1705.13.6	PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS	N		P	NOTE EXCEPTIONS
1705.13.7	STORAGE RACKS	N		P	
1705.13.8	SEISMIC ISOLATIONS SYSTEMS	N		P	
1705.13.9	COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES	N		P	
TESTING FOR SEISMIC RESISTANCE					
1705.14.1	STRUCTURAL STEEL	N		P	
1705.14.1.1	SEISMIC FORCE-RESISTING SYSTEMS	N		P	NOTE EXCEPTIONS
1705.14.1.2	STRUCTURAL STEEL ELEMENTS	N		P	
1705.14.2	NONSTRUCTURAL COMPONENTS	N		P	
1705.14.3	DESIGNATED SEISMIC SYSTEMS	N		P	
1705.14.4	SEISMIC ISOLATION SYSTEMS	N		P	

CONCRETE INSPECTIONS AND TEST SHALL NOT BE REQUIRED FOR:  
1. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDING THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK  
2. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDING THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE  
2.1. THE FOOTINGS SUPPORT WALLS OF LIGHT-FRAME CONSTRUCTION  
2.2. THE FOOTINGS ARE DESIGNED IN ACCORDANCE WITH TABLE 1809.7  
2.3. THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH (f<sub>c</sub>) NOT MORE THAN 2500 PSI, REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS  
3. NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 PSI  
4. CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH TABLE 1807.1.6.2  
5. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS ON GRADE

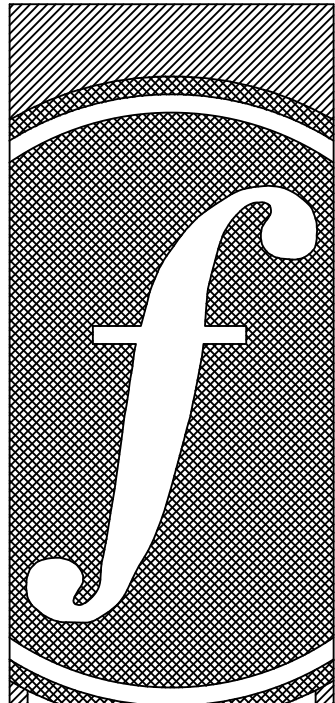
MASONRY SPECIAL INSPECTIONS AND TESTS SHALL NOT BE REQUIRED FOR:  
1. EMPIRICALLY DESIGNED MASONRY, GLASS UNIT OR MASONRY VENEER DESIGNED IN ACCORDANCE WITH SECTIONS 2109, SECTION 2110, OR CHAPTER 14, RESPECTIVELY, WHERE THEY ARE PART OF THE A STRUCTURE CLASSIFIED AS RISK CATEGORY I, II, OR III.  
2. MASONRY FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH TABLE 1807.1.6.3(1), 1807.1.6.3(2),1807.1.6.3(3), or 1807.1.6.3(4).  
3. MASONRY FIREPLACES, MASONRY HEATERS OR MASONRY CHIMNEYS INSTALLED OR CONSTRUCTED IN ACCORDANCE WITH SECTION 2111, 2112, OR 2113, RESPECTIVELY

REQUIRED STRUCTURAL OBSERVATIONS FOR STRUCTURE IN ACCORDANCE WITH IBC 1704.6			
IBC REFERENCE	CONDITION REQUIRING STRUCTURAL OBSERVATION	DOES CONDITION EXIST ON THIS PROJECT (Y/N)	ADDITIONAL OBSERVATIONS REQUIRED
1704.6.1.1	RISK CAT. III OR IV	N	-
1704.6.1.2	HIGH RISE BUILDING	N	
1704.6.1.3	SEISMIC DESIGN CATEGORY E & GREATER THAN 2 STORIES	N	
1704.6.1.4	ADD'L OBSERVATIONS REQ'D BY SEOR	N	SEE PROJECT DRAWINGS
1704.6.1.5	ADD'L OBSERVATION REQ'D BY BUILDING OFFICIAL	VERIFY WITH AUTHORITY HAVING JURISDICTION	VERIFY WITH AUTHORITY HAVING JURISDICTION

DESIGNATED SEISMIC / WIND RESISTANCE SYSTEM			
IBC REFERENCE	PROJECT CONDITION	DOES CONDITION EXIST (Y/N)	DESIGNATED WIND RESISTANCE SYSTEM IN ACCORDANCE IBC 1704.3.3
1705.12.1	WIND EXPOSURE B, WHERE V=150MPH OR GREATER	N	
1705.12.2	WIND EXPOSURE C OR D WHERE V=140 MPH OR GREATER	N	
IBC REFERENCE	PROJECT CONDITION	DOES CONDITION EXIST (Y/N)	DESIGNATED SEISMIC RESISTANCE SYSTEM IN ACCORDANCE IBC 1704.3.2
1705.13.1.1	STRUCTURAL STEEL SFRS IN SEISMIC DESIGN CATEGORIES B, C, D, E, AND F	N	
1705.13.1.2	STRUCTURAL STEEL ELEMENTS FOR THE SFRS IN SEISMIC DESIGN CATEGORIES B, C, D, E, AND F	N	

TYPE		CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT			X	ACI 318: 20, 25.2, 25.3, 26.6.1-26.6.3
2. REINFORCING BAR WELDING				AWS D1.4, ACI 318: 26.6.4
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706			X	
B. INSPECT SINGLE PASS FILLET WELDS, MAXIMUM $\frac{5}{16}$ "			X	
C. INSPECT ALL OTHER WELDS		X		
3. INSPECT ANCHORS CAST IN CONCRETE			X	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS				ACI 318: 17.8.2.4,17.8.2
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARD INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS		X		
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A			X	
5. VERIFY USE OF REQUIRED DESIGN MIX			X	ACI 318: 19, 26.4.3, 26.4.4, IBC 1904.1,1904.2
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, DETERMINE THE TEMPERATURE OF THE CONCRETE		X		ASTM C31, ASTM C172, ACI 318: 26.5, 26.12
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		X		ACI 318: 26.5
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES			X	ACI 318: 26.5.3-26.5.5
9. INSPECT PRESTRESSED CONCRETE				ACI 318: 26.10
A. APPLICATION OF PRESTRESSING FORCES		X		
B. GROUTING OF BONDED PRESTRESSING TENDONS		X		
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS			X	ACI 318: 26.10
11. FOR PRECAST CONCRETE DIAPHRAGM CONNECTION OR REINFORCEMENT AT JOISTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C,D,E, OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD				ACI 318: 26.13.1.3      ACI 550.5
A. INSTALLATION OF THE EMBEDDED PARTS		X		
B. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS		X		
C. COMPLETION OF CONNECTIONS IN THE FIELD		X		
12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5			X	ACI 318: 26.13.1.3
13. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS			X	ACI 318: 26.11.2
14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBERS BEING FORMED.			X	ACI 318 26.11.1.2(b)

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS		
TYPE	CONTINUOUS	PERIODIC
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		
DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PREVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL		X
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT THE SITE HAS PREPARED PROPERLY.	X	
CONCEALED CONNECTIONS		X

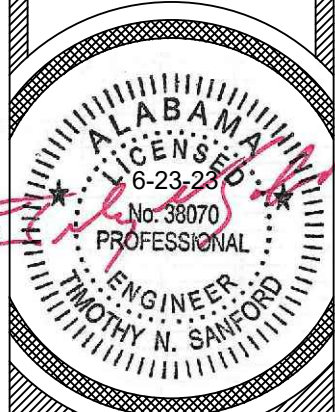


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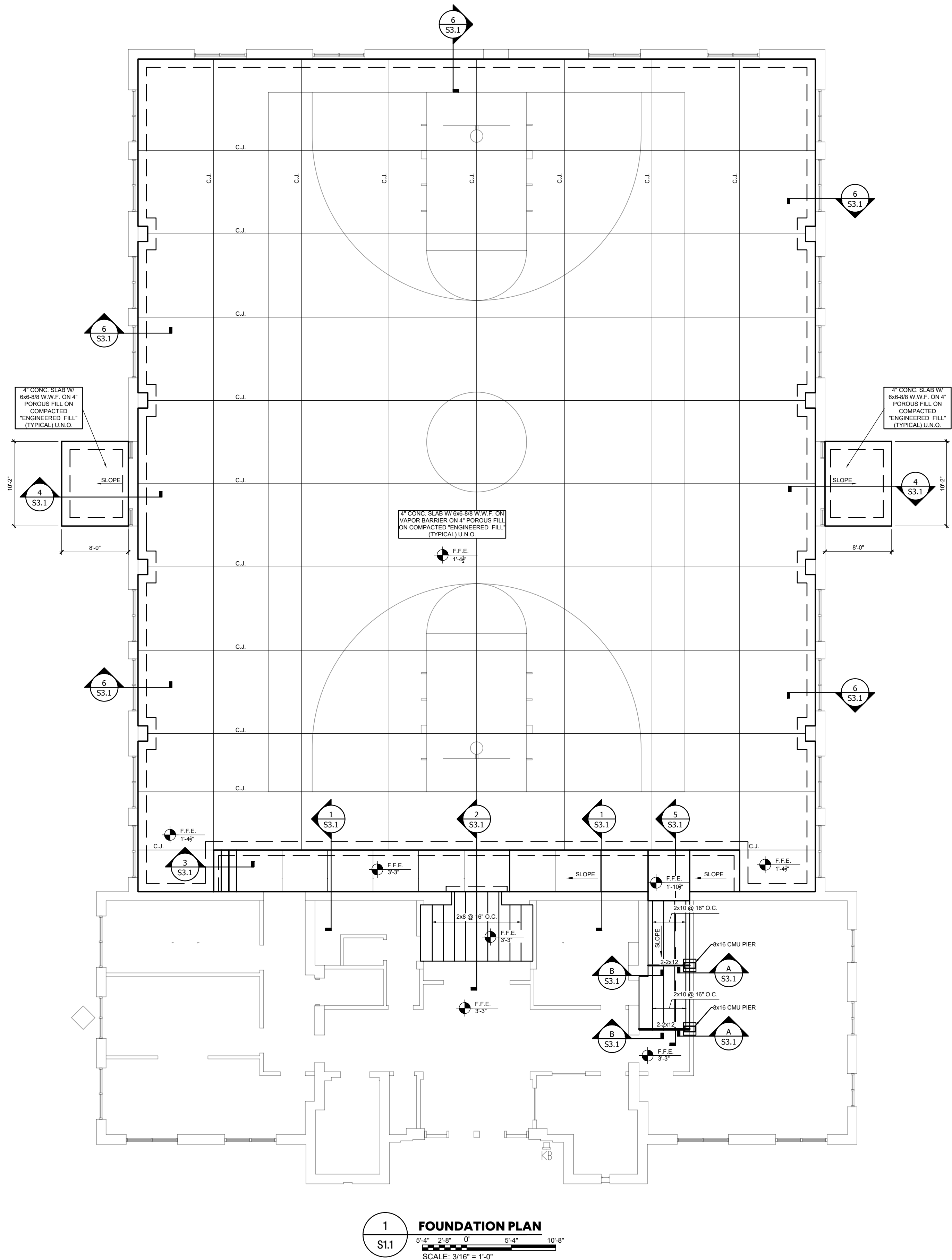
SPECIAL INSPECTION  
SCHEDULE



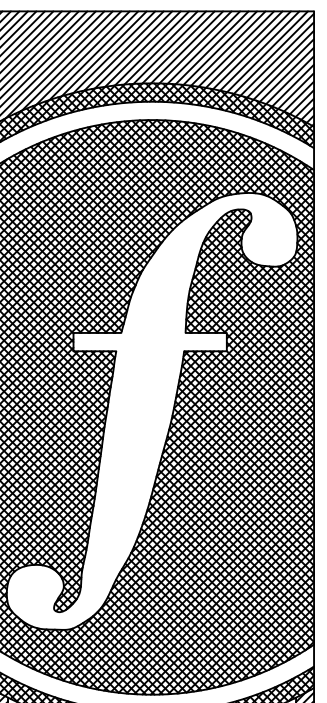
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Sheet Number





1 FOUNDATION PLAN  
S1.1  
5'-4" 2'-8" 0" 5'-4" 10'-8"  
SCALE: 3/16" = 1'-0"

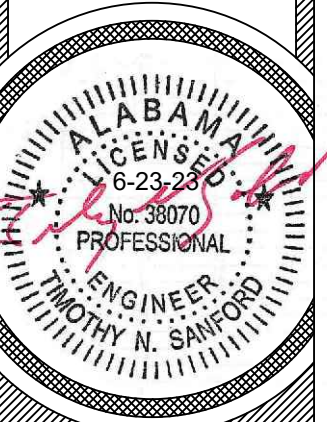


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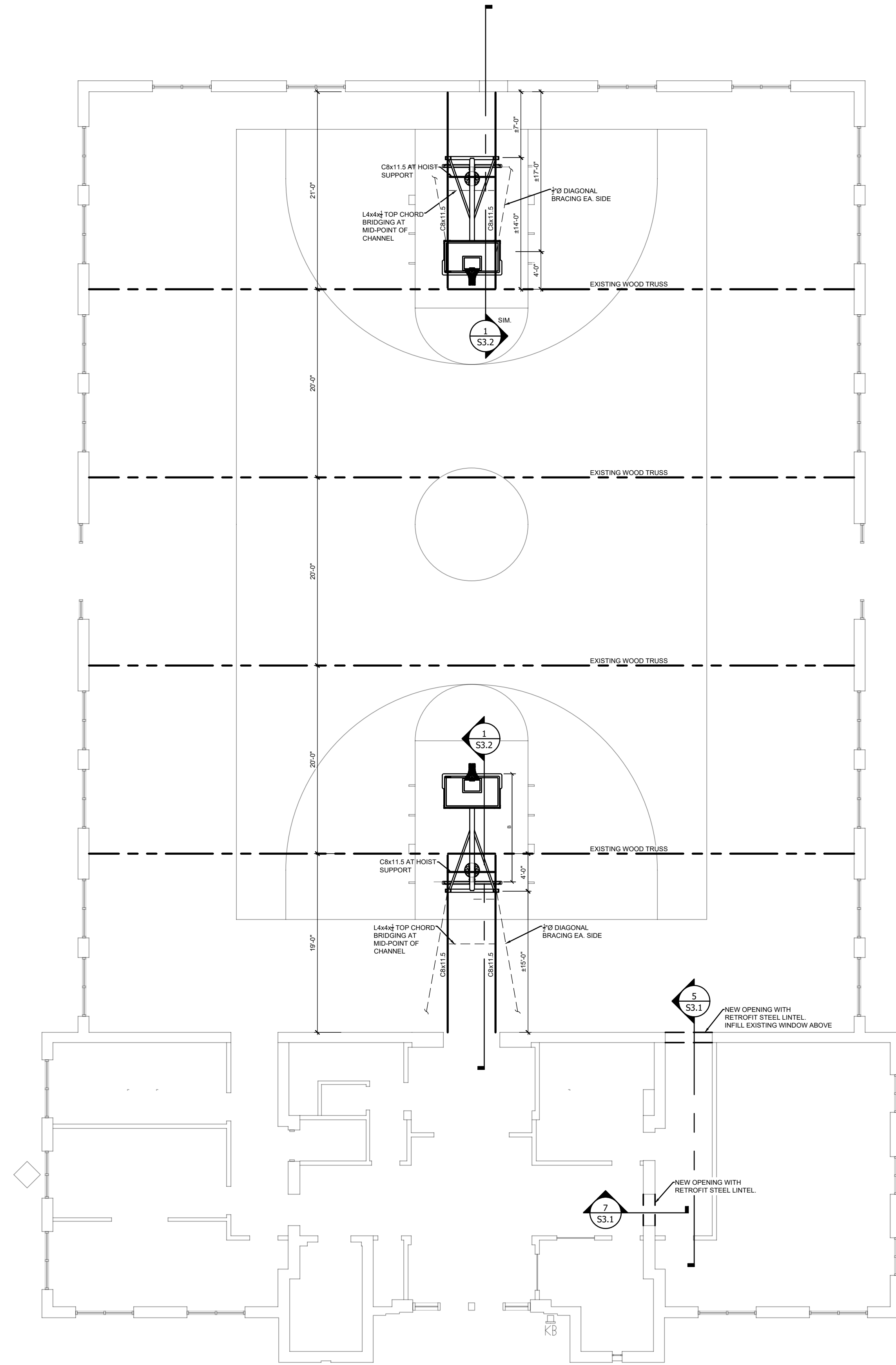
FOUNDATION PLAN



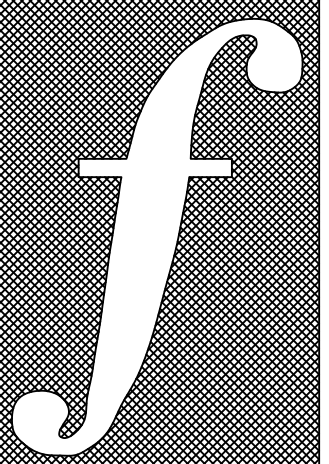
S1.1  
Sheet Number







1  
S1.2  
**ROOF FRAMING PLAN**  
5'-4" 2'-8" 0' 5'-4" 10'-8"  
SCALE: 3/16" = 1'-0"



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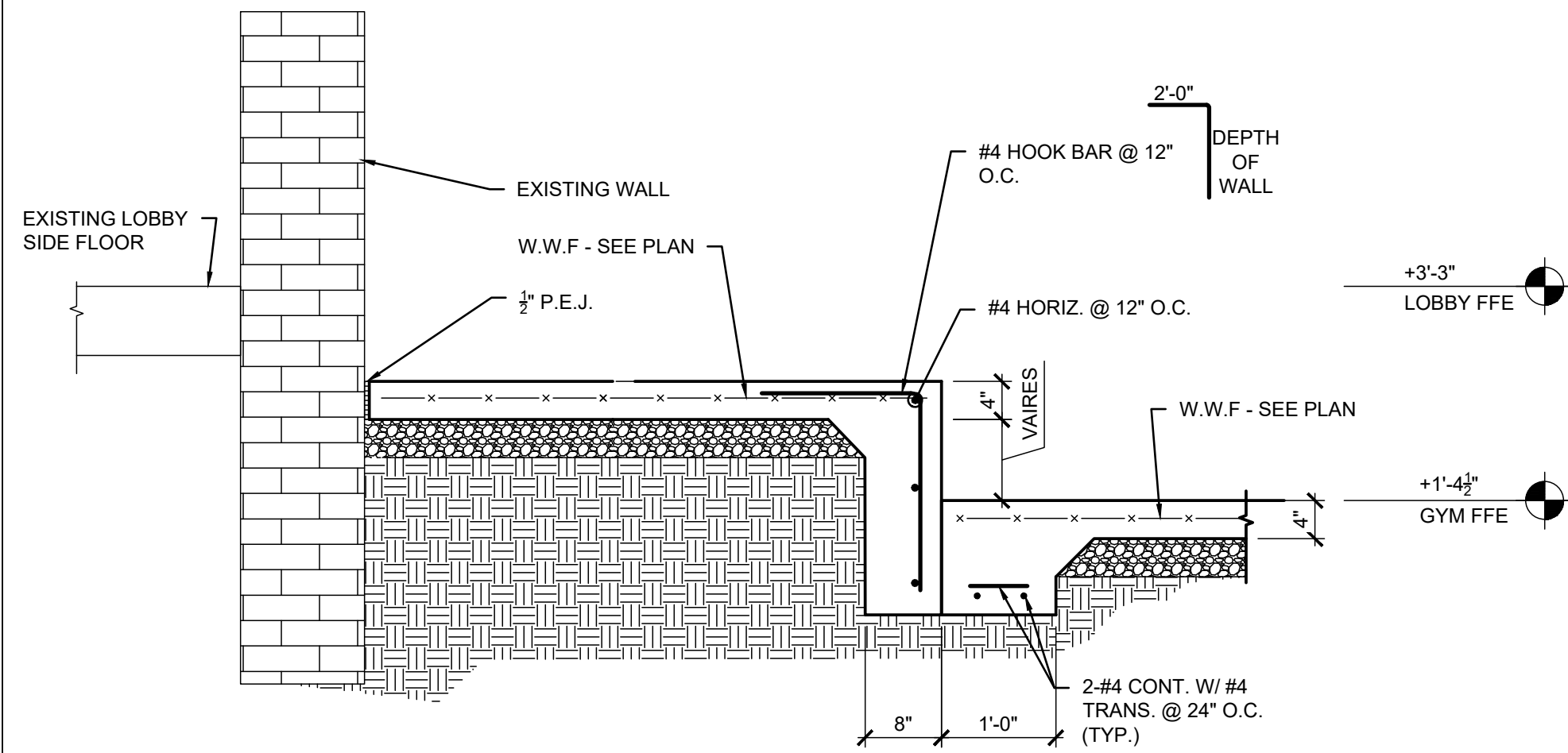
**PARTIAL ROOF FRAMING  
PLAN**



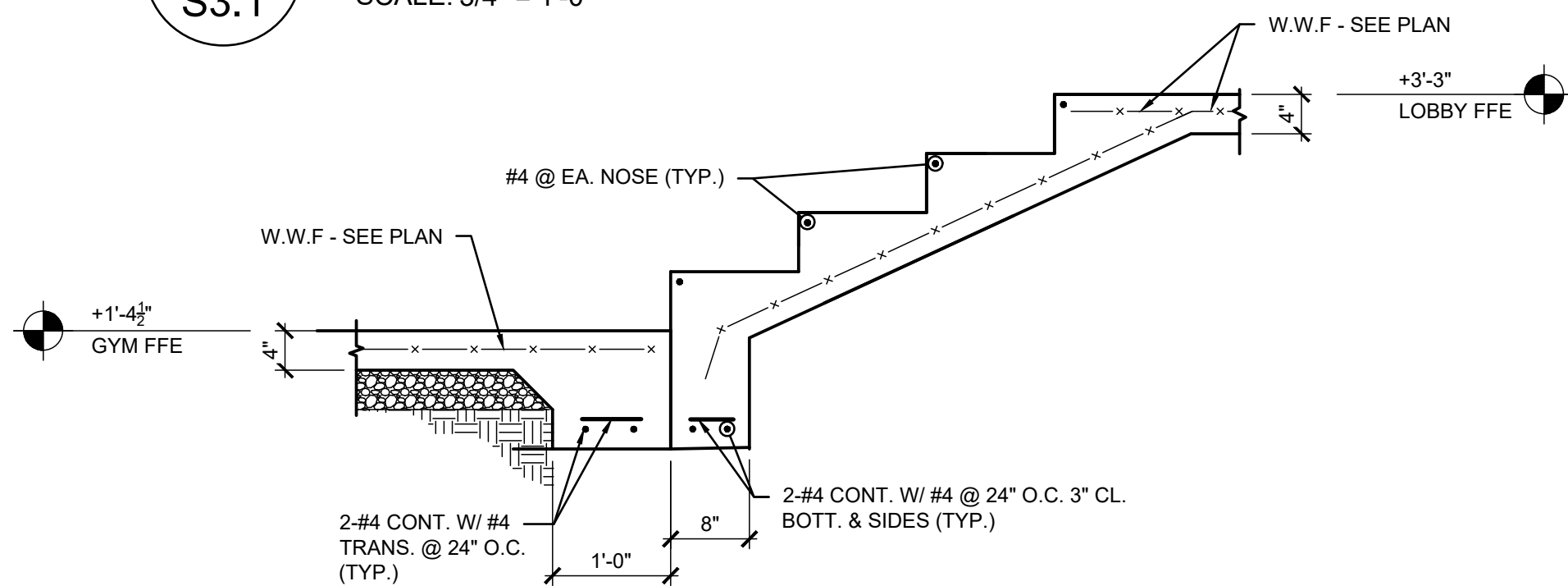
**S1.2**  
Sheet Number

**DS**  
**DAY STRUCTURES**  
OUR WORK STANDS UP  
141 W. MAIN STREET  
PRATTVILLE, AL 36067  
334.277.9550

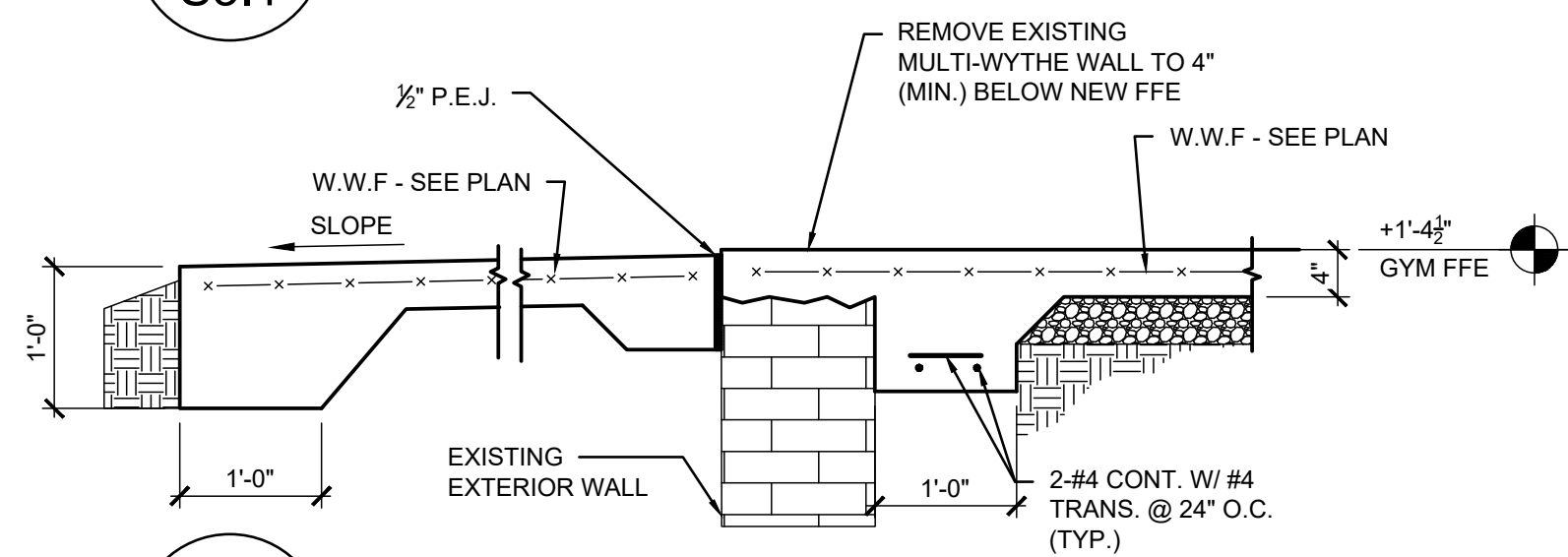




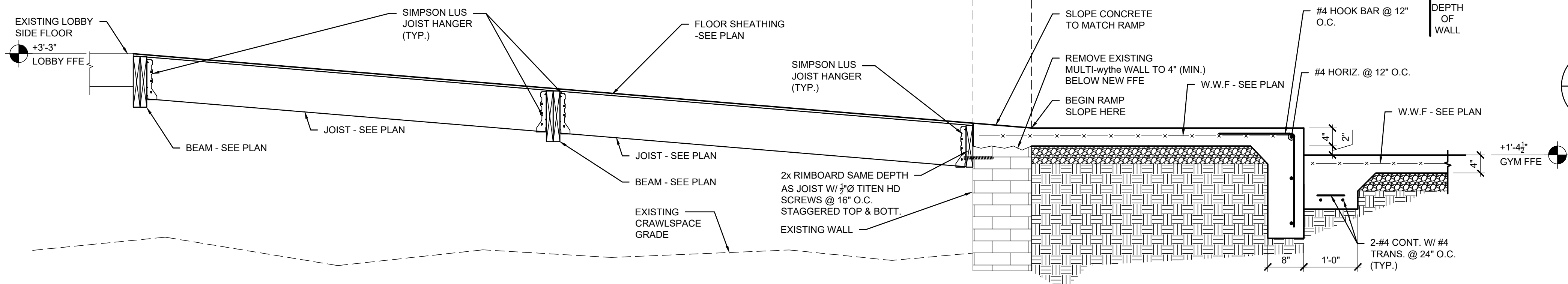
**1**  
S3.1  
**SECTION**  
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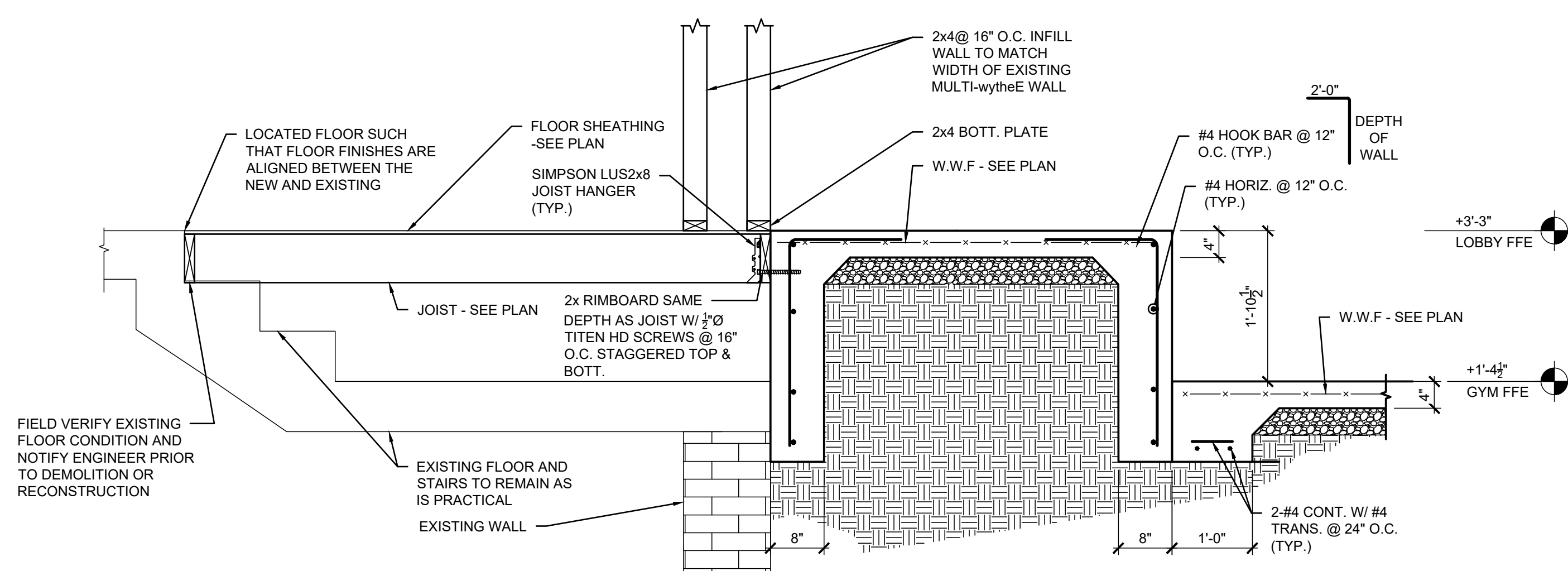
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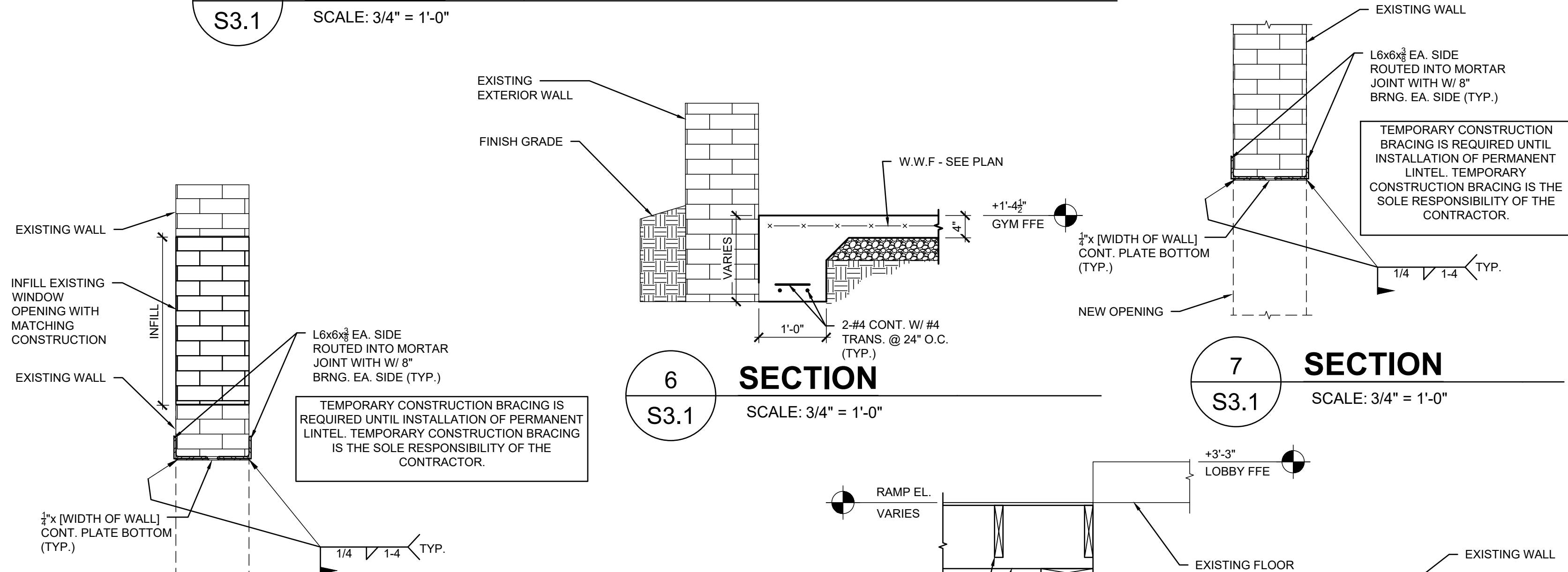
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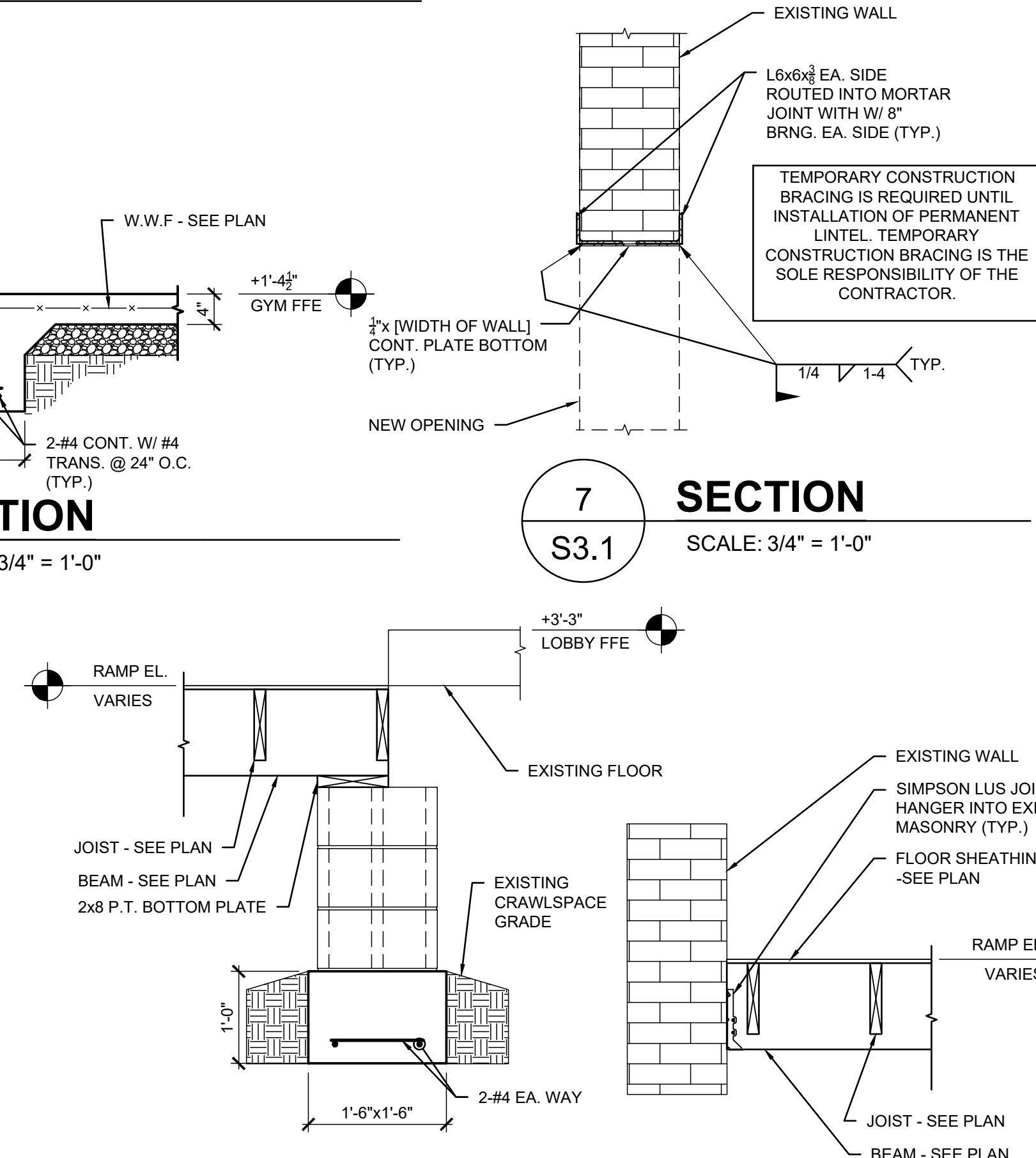
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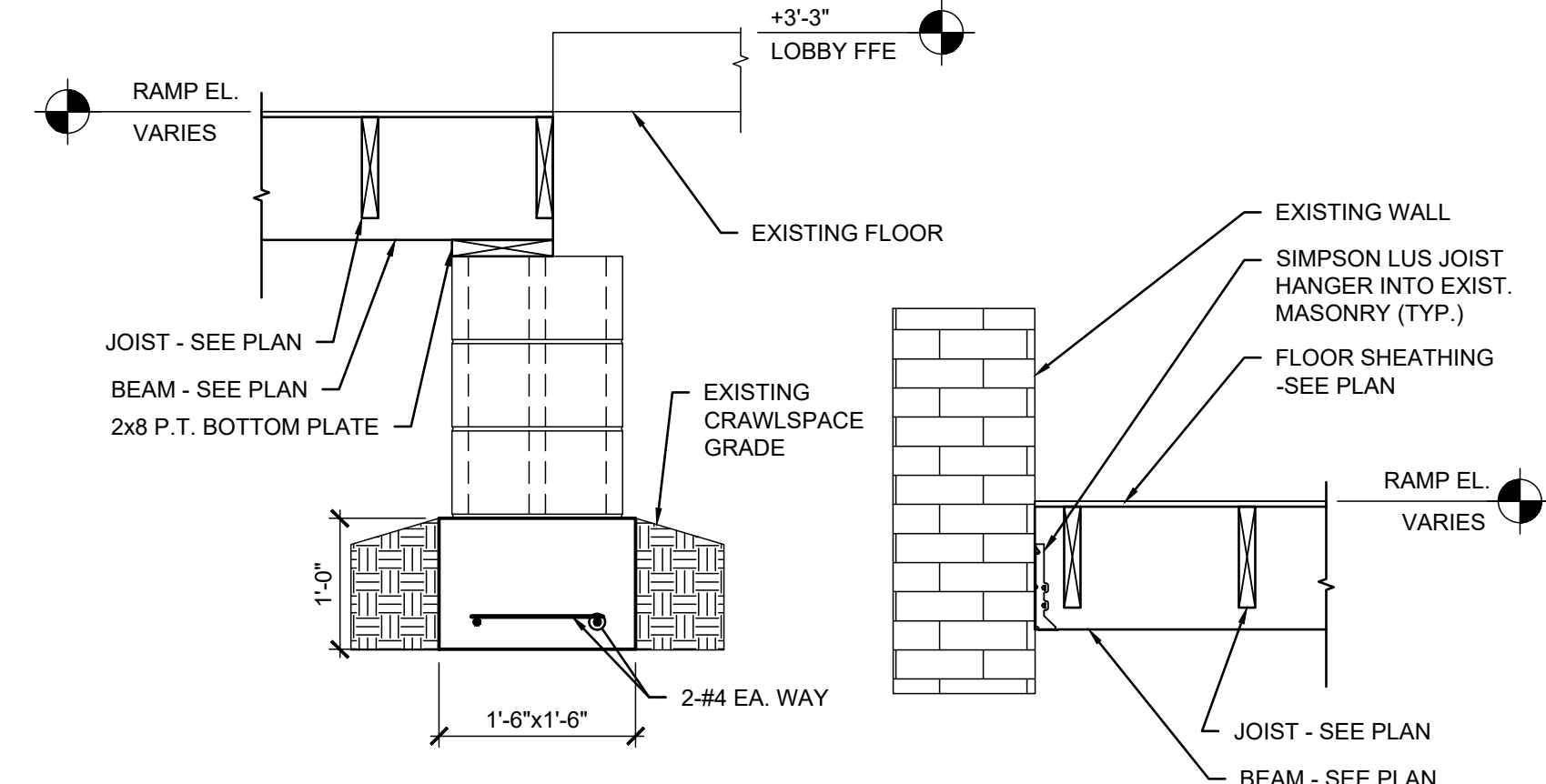
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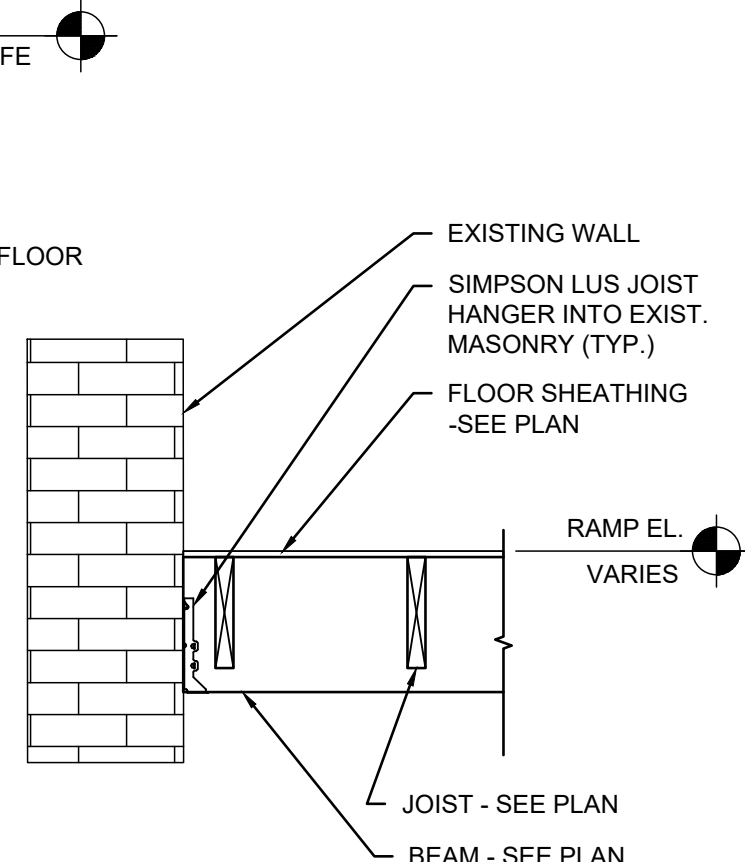
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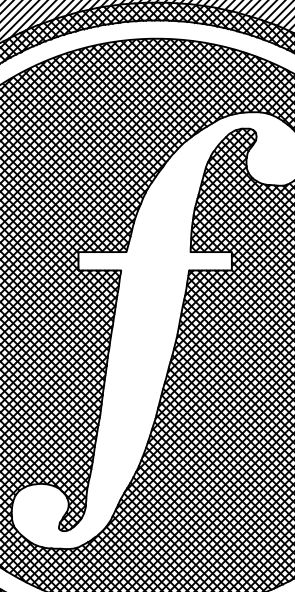
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**A**  
S3.1  
**SECTION**  
SCALE: 3/4" = 1'-0"



**B**  
S3.1  
**SECTION**  
SCALE: 3/4" = 1'-0"




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Design By:	TNS
Project Date:	6-23-23
Revisions:	

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**SECTIONS AND DETAILS**

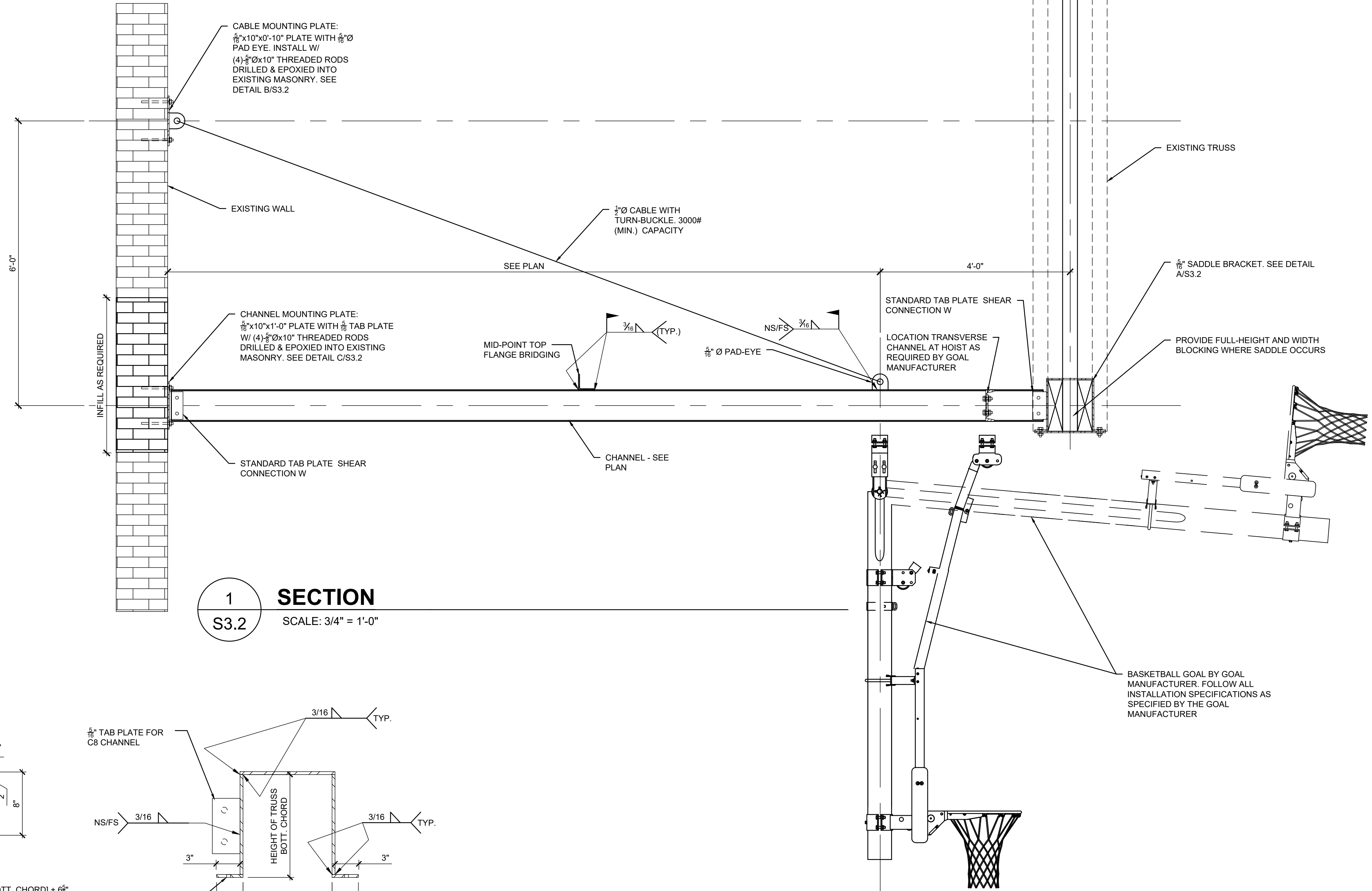


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Sheet Number

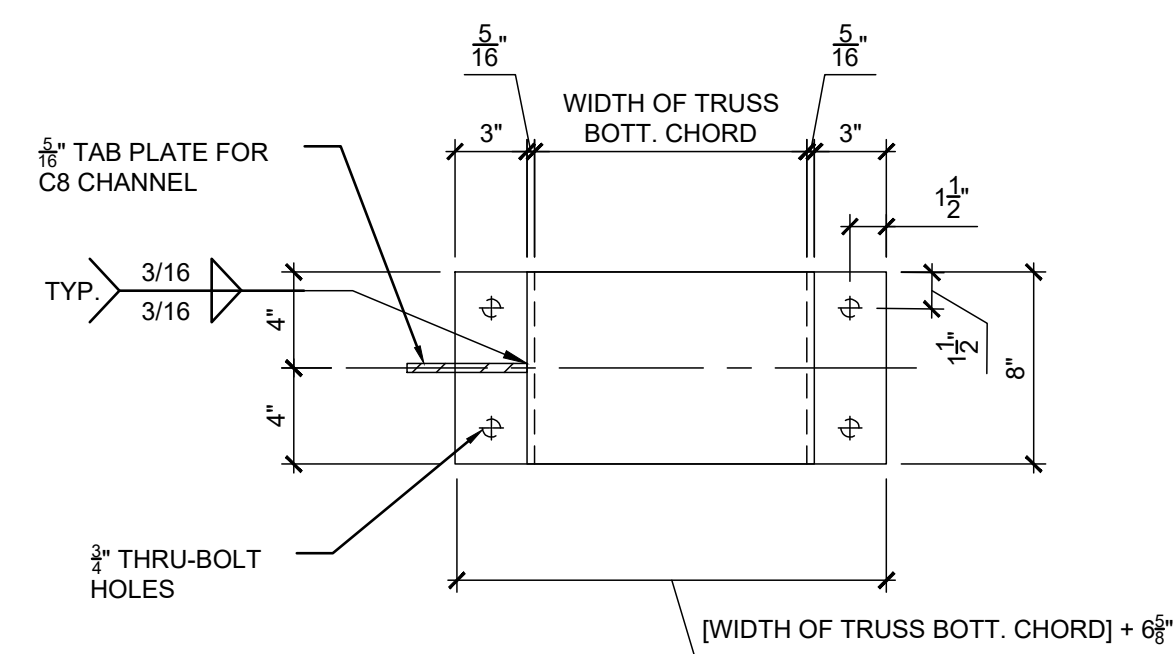


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141 W. MAIN STREET  
PRATTVILLE, AL 36067  
334.277.9550

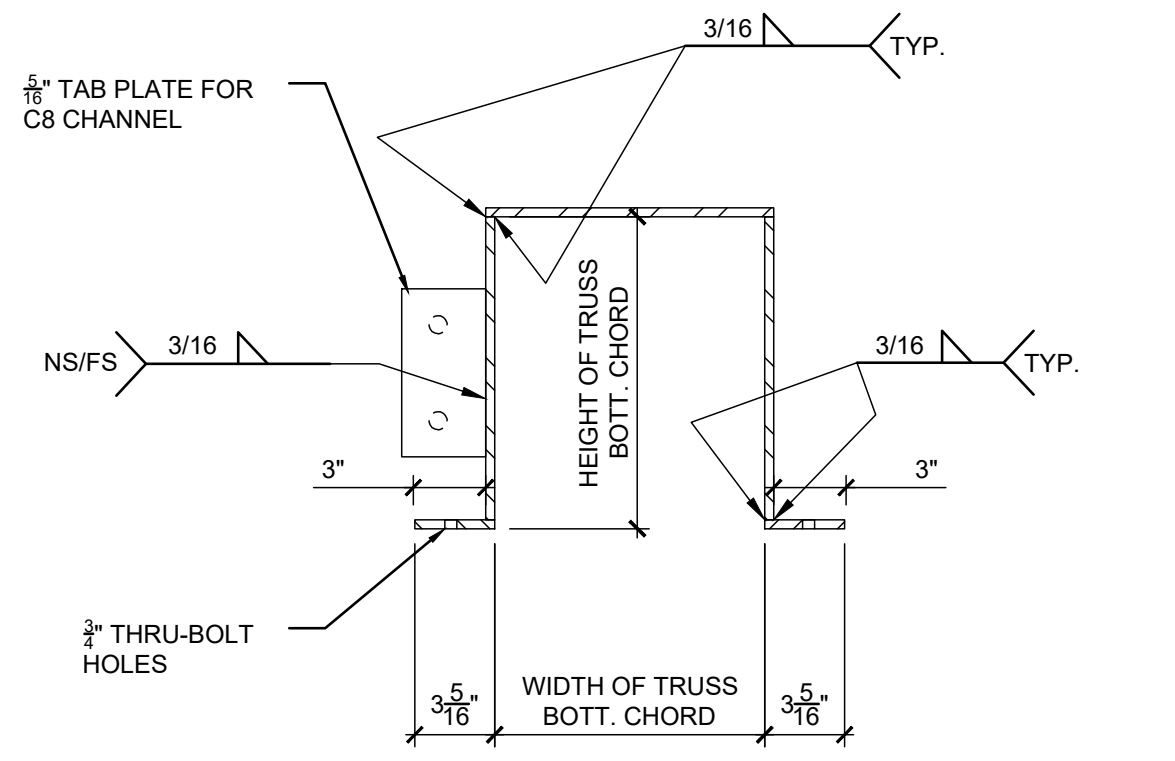




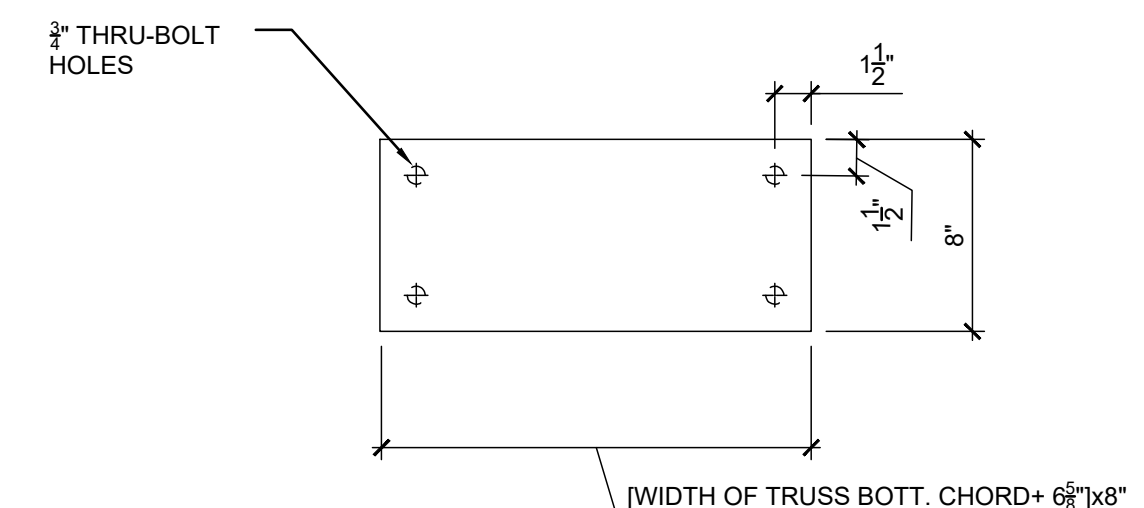
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**S3.2** **SECTION**  
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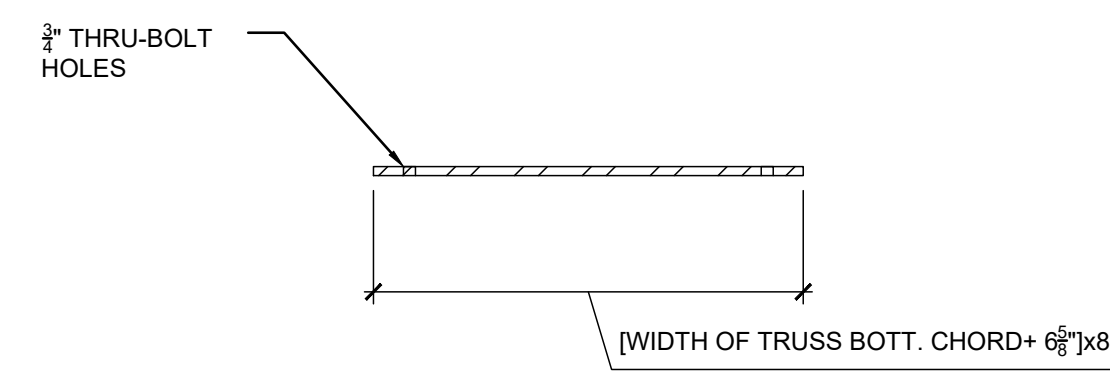
**TOP SADDLE PLAN**



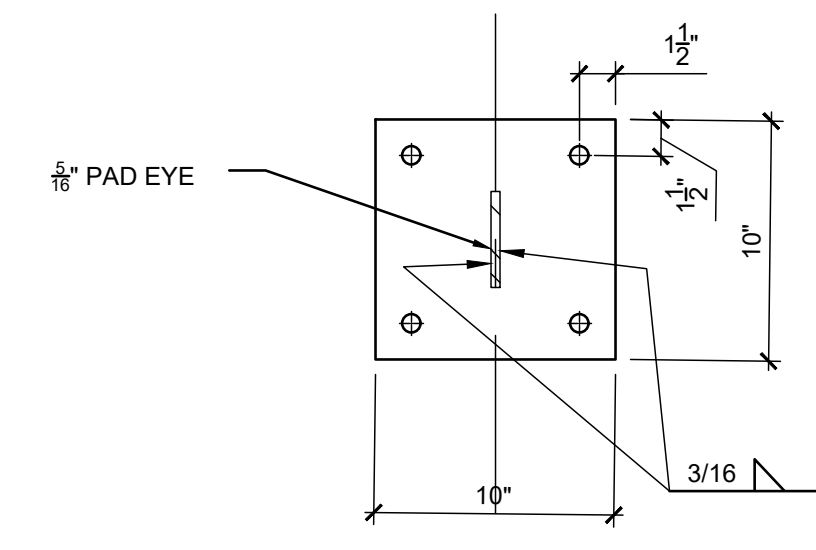
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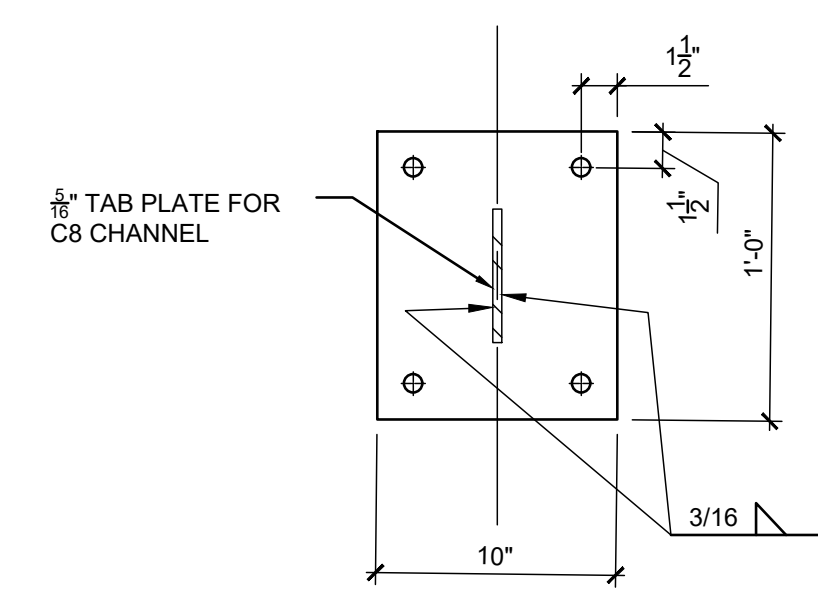
**BOTTOM PLATE PLAN**



**BOTTOM PLATE ELEVATION**

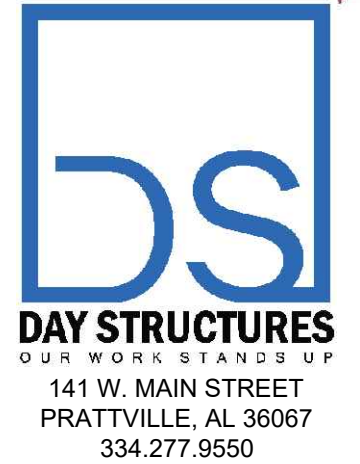


**B**  
**S3.2** **PAD EYE DETAIL**  
SCALE: 1 1/2" = 1'-0"



**C**  
**S3.2** **CHANNEL TAB PLATE DETAIL**  
SCALE: 1 1/2" = 1'-0"

**A**  
**S3.2** **SADDLE DETAILS**  
SCALE: 1 1/2" = 1'-0"





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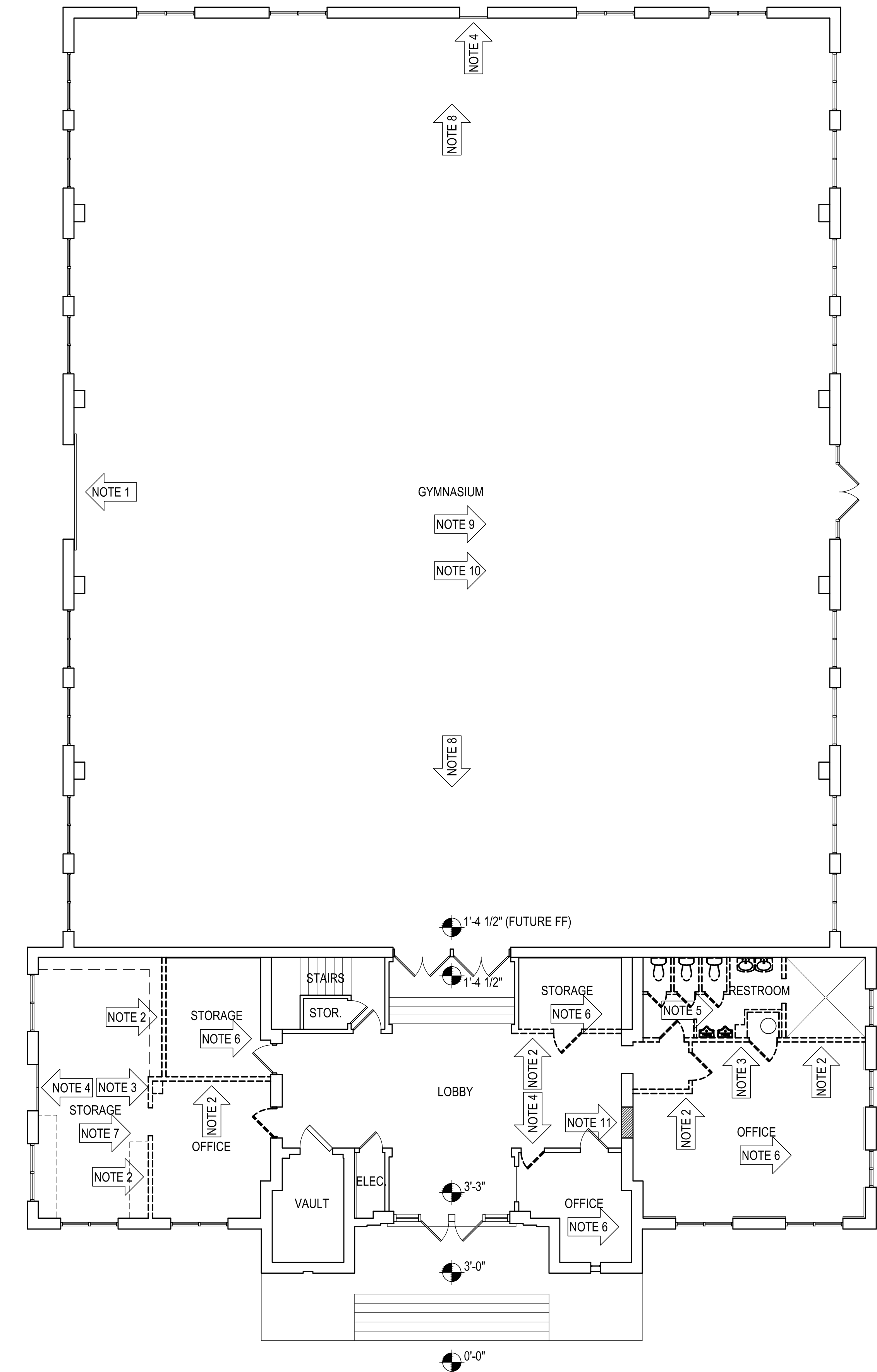
**SECTIONS AND DETAILS**



**S3.2**

Sheet Number





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

## DEMOLITION GENERAL NOTES

- GENERAL DEMOLITION NOTES ARE PROVIDED ON THE DRAWINGS. THESE NOTES ARE NOT EXHAUSTIVE OF ALL AREAS OF DEMOLITION.
- BOLD, DASHED LINES SHOW AREAS TO BE DEMOLISHED.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING AREAS OF DEMOLITION WITH NEW WORK AREAS.
- ALL ITEMS TO REMAIN ARE TO BE PROTECTED DURING THE COURSE OF CONSTRUCTION.
- NOTIFY ARCHITECT WITH ANY QUESTIONS OR CONCERNS PRIOR TO PROCEEDING WITH DEMOLITION.
- DEMOLITION OF STRUCTURAL AND LOAD BEARING ITEMS TO PROCEED WITH EXTREME CAUTION!
- SHOULD ANY HAZARDOUS MATERIALS BE ENCOUNTERED, GENERAL CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING IMMEDIATELY, PRIOR TO PROCEEDING WITH WORK.
- REMOVE ALL UNUSED ELECTRICAL CONDUITS, EMERGENCY LIGHTS, SWITCHES, ELECTRICAL BOXES, AND OTHER MISCELLANEOUS ELECTRICAL ITEMS NOT BEING REUSED.

## SPECIFIC DEMOLITION NOTES

(SPECIFIC NOTES APPLY TO THIS PAGE ONLY!)

- NOTE 1 1.) EXISTING COILING OVERHEAD DOOR TO BE REMOVED AND PROVIDED TO OWNER. THIS DOOR IS BEING USED TO PROVIDE EQUIPMENT AND MATERIAL ACCESS INTO THE GYM DURING CONSTRUCTION. EXISTING OPENING TO BE INFILLED WITH A MATCHING STOREFRONT DOOR AND FRAME. SEE DOOR SCHEDULE.
- NOTE 2 2.) DEMOLISH EXISTING WOOD FRAMED WALLS, INCLUDING ALL FINISHES. USE EXTREME CAUTION TO ENSURE NO STRUCTURAL ELEMENTS ARE DISTURBED.
- NOTE 3 3.) TWO "COLUMNS" WERE NOTED ON SITE. THESE ARE NOT BELIEVED TO BE STRUCTURAL ELEMENTS, BUT RATHER, FORMER EXHAUST VENTS. GENERAL CONTRACTOR TO CONFIRM THESE ARE NOT STRUCTURAL ELEMENTS PRIOR TO DEMOLISHING AND REMOVING. GENERAL CONTRACTOR TO COMPLETELY REMOVE, ALL THE WAY THROUGH THE ROOF, INCLUDING PATCHING THE EXISTING ROOF TO ENSURE A WATERTIGHT BUILDING ENVELOPE.
- NOTE 4 4.) REMOVE EXISTING DOOR, FRAME, AND TRIM. WALL TO BE PATCHED AFTER DOOR REMOVAL.
- NOTE 5 5.) DEMOLISH AND REMOVE ALL BATHROOM ELEMENTS, INCLUDING PLUMBING FIXTURES, PARTITIONS, TILE, ETC.
- NOTE 6 6.) DEMOLISH AND REMOVE ALL EXISTING WALL FINISHES EXISTING EXTERIOR WALLS HAVE BEEN COVERED IN THE PAST WITH DRYWALL AND/OR WOOD PANELING. IN ADDITION, DEMOLISH AND REMOVE THE EXISTING ACOUSTICAL CEILING.
- NOTE 7 7.) DEMOLISH AND REMOVE ALL EXISTING SHELVING, INCLUDING BRACKETS AND BLOCKING.
- NOTE 8 8.) REMOVE EXISTING BASKETBALL GOALS, INCLUDING ALL BRACKETS AND WOOD BLOCKING.
- NOTE 9 9.) REMOVE ALL EXISTING CEILING LIGHTING, INCLUDING ALL BRACKETS, BLOCKING, WIRING, JUNCTION BOXES, ETC.
- NOTE 10 10.) REMOVE ALL MISCELLANEOUS WOOD BLOCKING, UNUSED CONDUITS, AND EMERGENCY LIGHTS, EXIT SIGNS, AND OTHER MISCELLANEOUS ITEMS FROM THE GYMNASIUM WALLS AND CEILING.
- NOTE 11 11.) DEMOLISH AND REMOVE A PORTION OF THE EXISTING MASONRY WALL TO CREATE A NEW WOOD CASED OPENING. SEE STRUCTURAL. PROCEED WITH EXTREME CAUTION!

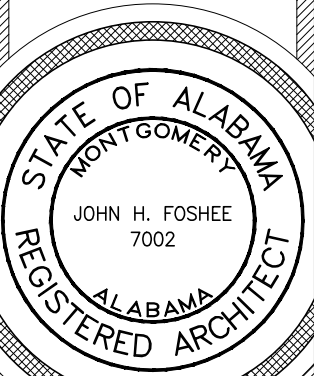


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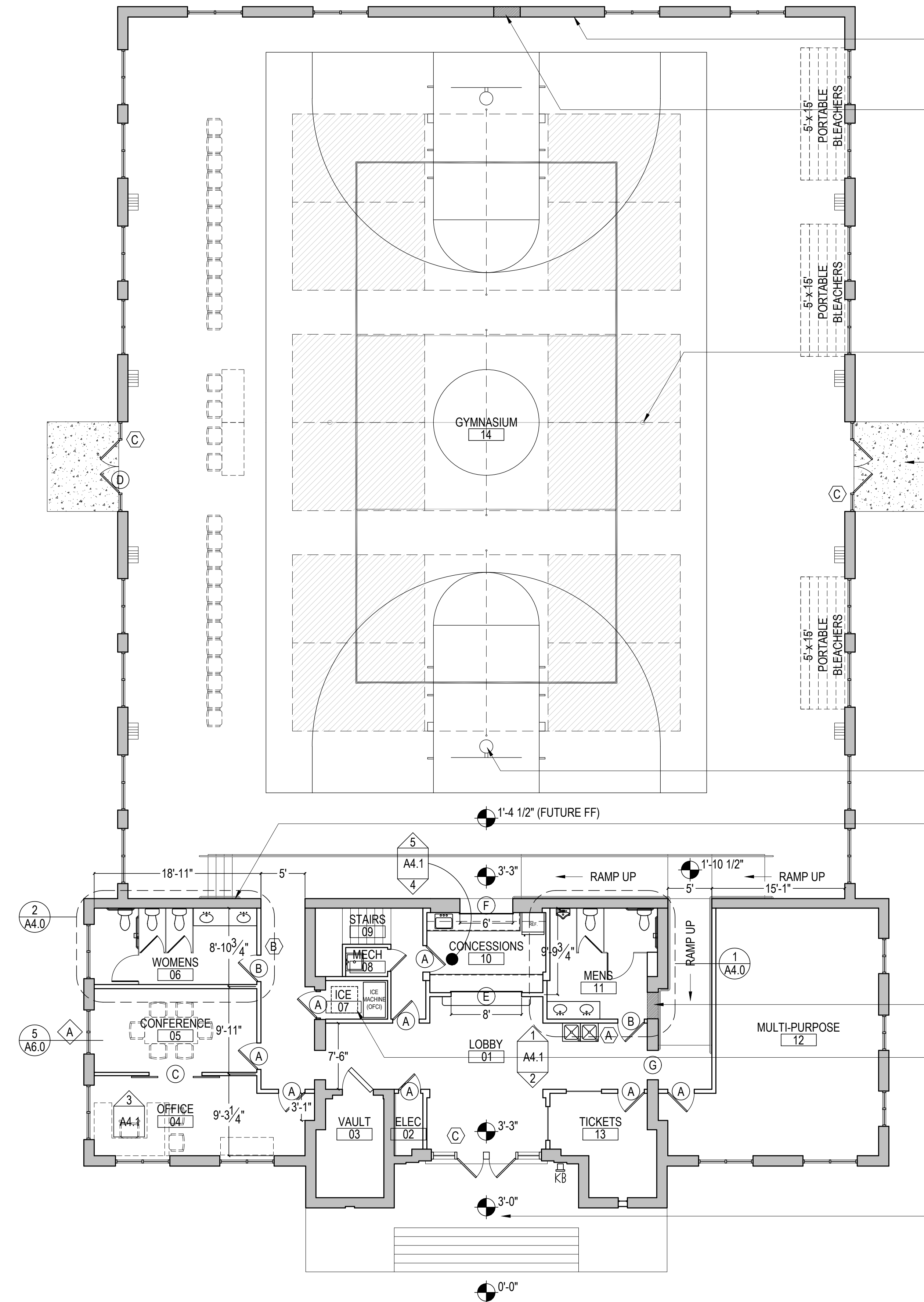
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**EXISTING 1ST FLOOR  
PLAN**



**A1.0**  
Sheet Number





EXISTING SCOREBOARD TO BE REMOVED AND REPLACED. OWNER TO PROVIDE NEW SCOREBOARD TO CONTRACTOR. CONTRACTOR TO INSTALL AND MAKE ALL NECESSARY ELECTRICAL CONNECTIONS.

INFILL OPENING WHERE DOOR WAS REMOVED WITH CMU TO MATCH THE EXISTING CONDITIONS. PAINT BOTH EXTERIOR OF NEW CMU AND REPAINT EXISTING CMU THE SAME COLOR AS EXISTING. USE A COMPATIBLE MASONRY PAINT.

GENERAL CONTRACTOR TO WORK WITH OWNER AND FLOORING COMPANY TO LOCATE AND INSTALL RECESSED FLOOR SLEEVES/ SOCKETS FOR ALL SPORTS EQUIPMENT. OWNER TO PROVIDE SLEEVES/ SOCKETS TO CONTRACTOR FOR INSTALLATION.

NEW CONCRETE LANDING OUTSIDE DOOR, ON BOTH SIDES OF GYM. SLAB SHALL BE AT THE SAME ELEVATION AS THE FINISHED FLOOR OF THE GYM, BUT SHALL SLOPE 1:48 AWAY FROM THE BUILDING. SEE STRUCTURAL.

NEW BASKETBALL GOAL - SEE SHEET A4.2 FOR SPECIFICATIONS AND STRUCTURAL DRAWINGS FOR BRACING AND BLOCKING DETAILS.

EXISTING SCOREBOARD TO BE REMOVED AND REPLACED. OWNER TO PROVIDE NEW SCOREBOARD TO CONTRACTOR. CONTRACTOR TO INSTALL AND MAKE ALL NECESSARY ELECTRICAL CONNECTIONS.

INFILL EXISTING OPENING WITH STUDS AND INTERIOR FINISH TO MATCH SURROUNDING CONDITIONS. SEE MECHANICAL FOR NEW DUCTWORK AND GRILL IN THIS AREA

36" x 36" HINGED FLOOR ACCESS PANEL. SEE A4.2 FOR SPECIFICATIONS

ALL FINISH FLOOR ELEVATIONS (F.F.E.) ARE APPROXIMATE. GENERAL CONTRACTOR TO VERIFY ALL ELEVATIONS ON SITE.

SPECIFIC NOTES

- 1.) THE OWNER WILL INSTALL A NEW 1" DOMESTIC WATER SERVICE LINE FROM THE WATER METER (AT THE STREET) TO WITHIN 5' OF THE BUILDING. GENERAL CONTRACTOR TO CONNECT TO NEW WATER LINE.
- 2.) THE OWNER WILL INSTALL A NEW 4" SANITARY SEWER LATERAL FROM THE STREET TO WITHIN 5' OF THE BUILDING. GENERAL CONTRACTOR TO CONNECT TO NEW SANITARY SEWER LATERAL.

ADD ALTERNATE SCHEDULE

GENERAL CONTRACTOR TO PROVIDE A SEPARATE PRICE FOR EACH OF THE ITEMS LISTED BELOW, WHICH SHALL BE ADDED TO THEIR BASE BID AMOUNT.

ADD ALTERNATE #1 (GYMNASIUM HVAC):  
PROVIDE ALL LABOR AND MATERIALS REQUIRED TO INSTALL THE TWO NEW PACKAGE HVAC UNITS SHOWN ON THE MECHANICAL AND ELECTRICAL DRAWINGS TO CONDITION THE GYMNASIUM. PRICING TO INCLUDE ALL EQUIPMENT, DUCTWORK, HANGERS, EQUIPMENT STANDS, ROOF PENETRATIONS, WIRING, BREAKERS, DISCONNECTS, CONDUIT, ETC. FOR A COMPLETE INSTALLATION. NOTE, OWNER UNDERSTANDS THAT ADDITIONAL STRUCTURE MAY BE REQUIRED TO SUPPORT ROOFTOP EQUIPMENT. IF ALTERNATE IS ACCEPTED, OWNER WILL HIRE A STRUCTURAL ENGINEER TO PROVIDE NECESSARY DOCUMENTATION ON HOW TO SUPPORT HVAC EQUIPMENT. GENERAL CONTRACTOR WILL THEN BE ABLE TO PROVIDE A CHANGE ORDER FOR THE ADDITIONAL COST TO STRUCTURALLY SUPPORT THE ROOFTOP EQUIPMENT. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO SUBMITTING A BID FOR THE WORK!

FLOOR PLAN LEGEND & GENERAL NOTES

GENERAL ARCHITECTURE PROJECT NOTE! INSTALL ALL PRODUCTS, EQUIPMENT, FINISHES, ETC. PER MFG. INSTRUCTIONS. SHOULD A CONFLICT OCCUR BETWEEN MFG. INSTRUCTIONS AND THESE DRAWINGS OR BETWEEN MULTIPLE MANUFACTURER'S INSTRUCTIONS, NOTIFY ARCHITECT PRIOR TO PROCEEDING. DETAILS, MATERIALS, OR SYSTEMS DIFFERENT FROM THOSE PRESENTED IN THE ARCHITECTURE DRAWINGS MAY BE USED ONLY UPON SUBMISSION AND APPROVAL BY THE ARCHITECT.

REPRESENTATION OF OTHER DISCIPLINES WORK IN THE ARCHITECTURE DRAWINGS IS FOR GENERAL COORDINATION PURPOSES ONLY. SEE EACH DISCIPLINES RESPECTIVE DRAWINGS.

GENERAL CONTRACTOR TO PROVIDE A 1 YEAR WARRANTY ON ALL LABOR AND MATERIAL FROM THE DATE OF OWNER ACCEPTANCE.

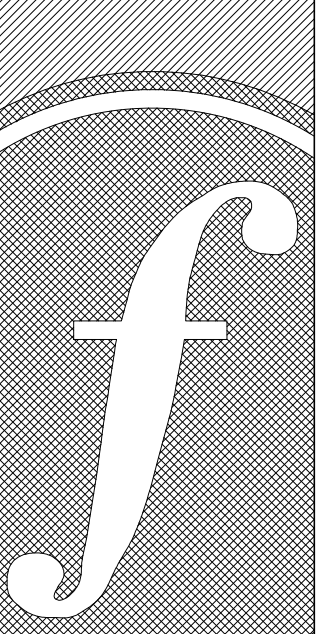
ENSURE ALL ROOF PENETRATIONS ARE MADE WATERTIGHT.

FURNITURE IS FOR GENERAL REFERENCE ONLY AND IS NOT INCLUDED IN THE CONSTRUCTION CONTRACT.

- DOOR TAG SEE SHEETS A4.3
- WINDOW TAG SEE SHEET A4.3
- OFFICE 01 NAME NUMBER ROOM NAME & NUMBER TAG (SEE SHEET A4.2 FOR FINISH SCHEDULE)
- 1 A4.0 DETAIL SHEET ELEVATION TAG (SEE SHEET AND DETAIL AS NOTED)
- 1 A5.0 DETAIL SHEET SECTION TAG (SEE SHEET AND DETAIL AS NOTED. SECTION IS STEPPED AS NEEDED TO SHOW PARTICULAR DETAILS OF THE BLDG.)
- 4 A4.0 2 3 DETAIL SHEET INTERIOR ELEVATION TAG (SEE SHEET AND DETAIL AS NOTED)
- 1 A6.0 DETAIL SHEET DETAIL TAG (SEE SHEET AND DETAIL AS NOTED)
- FIRE EXTINGUISHER: SURFACE MOUNT TO WALL WITH MFG. FURNISHED BRACKET. MOUNT SO BOTTOM OF EXTINGUISHER IS 26" ABOVE FINISH FLOOR. EXTINGUISHER IS TO BE A DRY CHEMICAL FIRE EXTINGUISHER CLASSIFICATION: 3-A: 40-B:C (MINIMUM).
- KNOX BOX: KNOX BOX 3200 SERIES, SURFACE MOUNT IN BLACK LOCATE 6'-0" A.F.F. - CONFIRM WITH AHJ.
- DIMENSION (TO FACE OF FRAMING AND CENTER OF WINDOW/DOOR UNLESS NOTED OTHERWISE)
- SIDE HINGED SWING DOOR (TYPICAL) - DOOR OPENING IS 4" FROM FACE OF STUD OF ADJ., PERPENDICULAR WALL UNLESS DIMENSIONED OTHERWISE
- TYPICAL WINDOW - SEE WINDOW SCHEDULE ON A4.3
- ELECTRIC WATER COOLER - SEE PLUMBING - ENSURE CANE DETECTION APRON IS PROVIDED
- MOP SINK - SEE PLUMBING
- WOOD STUD WALL - SEE NOTES BELOW

WOOD STUD WALL

1. INTERIOR WALLS ARE 2x4 WOOD STUDS (UNLESS NOTED OTHERWISE) WITH 5/8" GYPSUM BOARD ON BOTH SIDES AND CAVITY FILLED WITH R13 BATT INSULATION FOR NOISE TRANSFER REDUCTION.
2. BATHROOM WALLS ARE TO RECEIVE 5/8" MOISTURE RESISTANT GYPSUM BOARD EXCEPT 1/2" CEMENT BACKER BOARD SHALL BE USED BEHIND TILE WALL AREAS.
3. PROVIDE BLOCKING IN WALLS TO SUPPORT WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO WALL CABINETS, WALL SINKS, DISPENSERS, MIRRORS AND GRAB BARS. SEE DETAILS.
4. GYPSUM BOARD IS TO EXTEND FULL HEIGHT OF WALL INCLUDING ABOVE LAY-IN CEILINGS. EXPOSED G.B. IS TO BE FINISHED TO LEVEL 4. CONCEALED G.B. IS TO BE FINISHED TO LEVEL 2.
5. SEAL ALL PENETRATIONS OF EXTERIOR WALL. SEALING PRODUCT CAN BE OF ANY MATERIAL FOR COMMERCIAL USE & ACCEPTABLE TO AHJ.
6. PROVIDE DRAFT STOPPING - USE 2X BLOCKING AND/OR 1/2" G.B. TO BLOCK ANY OPENING BETWEEN VERTICAL WALL CAVITY AND CONCEALED SPACES INCLUDING ATTIC AND CEILING FUR-DOWNS. SEAL PENETRATIONS OF DRAFT STOPPING WITH 3M FIREBLOCK SEALANT FB136 OR 3M FB-FOAM (CONFIRM PRODUCTS WITH AHJ.)
7. SEE LIFE SAFETY PLANS FOR LOCATIONS OF RATED WALLS.



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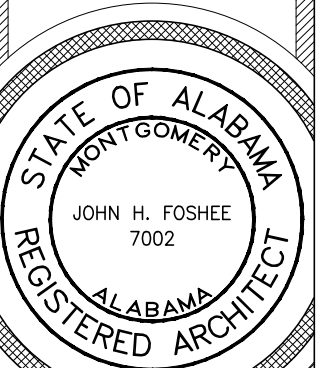
Design By:  
JBP & JHF

Project Date:  
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Revisions:

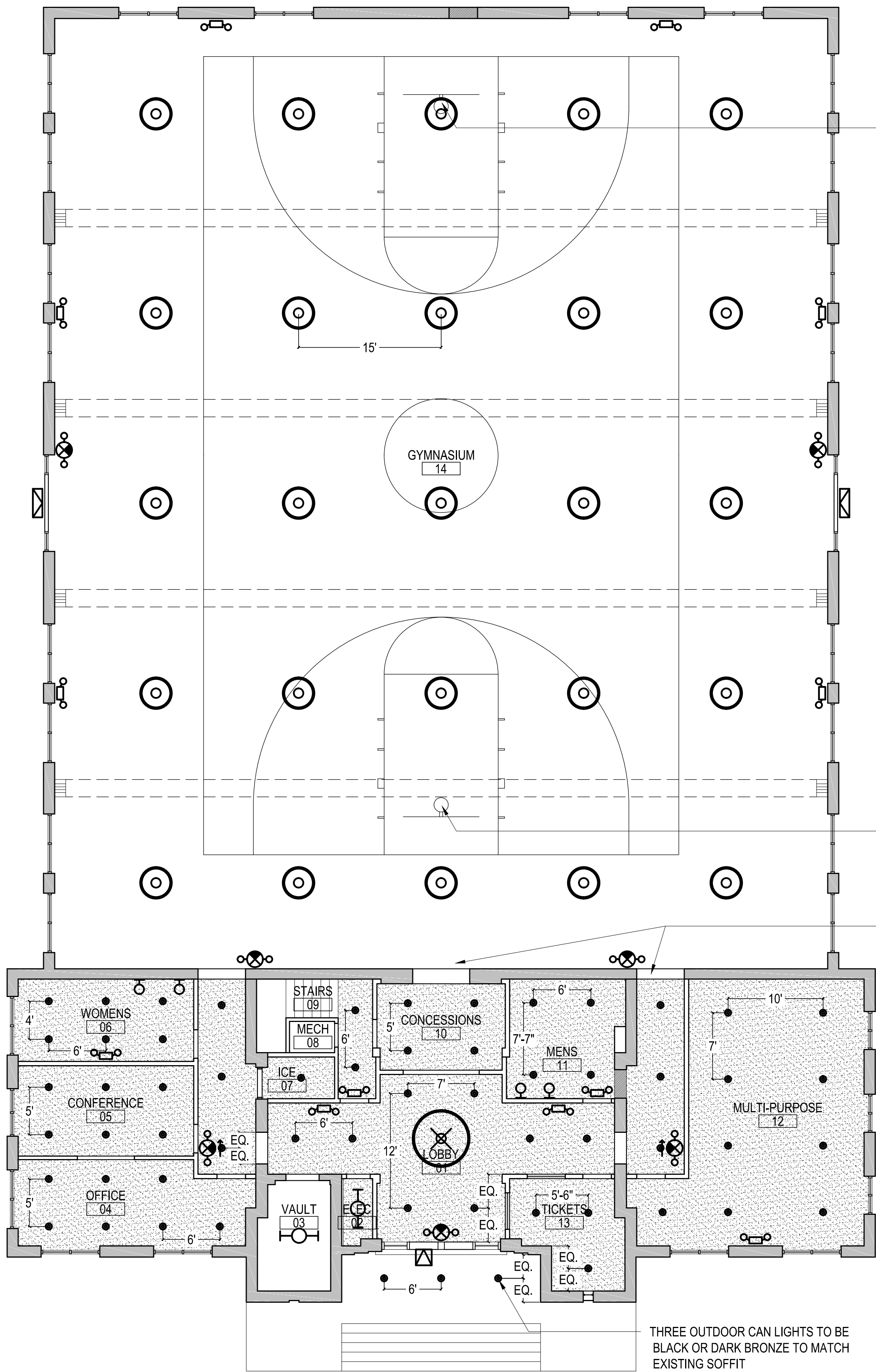
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NEW 1ST FLOOR PLAN



A1.1  
Sheet Number





SEE STRUCTURAL FOR BASKETBALL GOAL BRACING AND BLOCKING.  
ALSO, SEE BASKETBALL GOAL SPECIFICATIONS ON SHEET A4.2.

SEE STRUCTURAL FOR BASKETBALL GOAL BRACING AND BLOCKING.  
ALSO, SEE BASKETBALL GOAL SPECIFICATIONS ON SHEET A4.2.

SEE SHEET A4.4 AND STRUCTURAL DRAWINGS FOR NOTES REGARDING  
INFILLING TWO EXISTING WINDOWS WITH BRICK ON THE SECOND STORY.  
CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.

THREE OUTDOOR CAN LIGHTS TO BE  
BLACK OR DARK BRONZE TO MATCH  
EXISTING SOFFIT

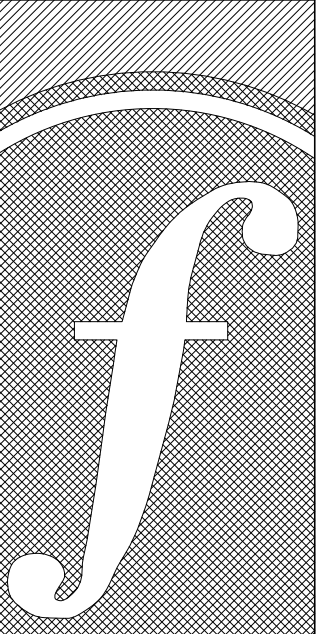
1 1ST FLOOR REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND & NOTES

NOTE:  
SEE LIGHT FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR EXACT  
FIXTURE SPECIFICATIONS. GENERAL FIXTURE SYMBOLS SHOWN ON  
ARCHITECTURE DRAWINGS FOR COORDINATION AND LAYOUTS ONLY.

- SURFACE MOUNTED STRIP LED FIXTURE
- SURFACE MOUNTED LED "CAN" LIGHT
- WALL SCONCE
- SURFACE MOUNTED LED WALL PACK WITH EMERGENCY BATTERY BACKUP - CENTER OVER DOOR, BETWEEN THE BRICK HEADER AND THE HORIZONTAL SOLDIER COURSE BRICK BAND
- UFO HIGH BAY LED PENDENT LIGHT
- LARGE CHANDELIER
- INDOOR BATHROOM EXHAUST FAN
- INDOOR EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP. SEE LIFE SAFETY PLAN.
- INDOOR INTERNALLY LIT EXIT SIGN WITH EMERGENCY LIGHTS AND 90 MINUTE BATTERY BACKUP (FACE ILLUMINATION AND DIRECTIONAL ARROWS AS SHOWN) SURFACE MOUNT TO CEILING U.N.O. SEE LIFE SAFETY PLAN.
- HVAC SUPPLY REGISTER
- HVAC RETURN REGISTER
- HVAC SUPPLY REGISTER (SIZE VARIES)
- CEILING DIMENSION MEASURED TO CENTER OF FIXTURE AND/OR EDGE OF FINISH CEILING
- NEW GYPSUM BOARD CEILING

- GENERAL NOTES:
- LOCATE GYPSUM BOARD CEILING MOUNTED FIXTURES AS SHOWN AND/OR DIMENSIONED.
  - GYPSUM BOARD IS TO BE INSTALLED TO UNDERSIDE OF CEILING JOISTS ABOVE G.B. FUR-DOWNS. CONCEALED G.B. IS TO BE FINISHED TO A LEVEL 2 FINISH TO SERVE AS AN AIR BARRIER.
  - SEAL ANY PENETRATIONS OF TOP PLATES OR OF GYPSUM BOARD MEMBRANE WITH 3M FIRE BLOCK FB136 OR 3M FB-FOAM (CONFIRM PRODUCTS WITH AHJ.).
  - RECESSED LIGHTS THAT PENETRATE THE GYPSUM BOARD AT UNDERSIDE OF ATTIC, MUST HAVE THEIR HOUSING SEALED TO THE GYPSUM BOARD (AIR TIGHT CONSTRUCTION) AND BE IC (INSULATION CONTACT) RATED.
  - TO ENSURE COMPLIANCE WITH ADA, NO LIGHT FIXTURE IS TO EXTEND BELOW 6'-8" ABOVE FINISH FLOOR. A WALL SCONCE MAY EXTEND BELOW IF IT PROJECTS FROM THE FACE OF THE WALL AT MOST 4".

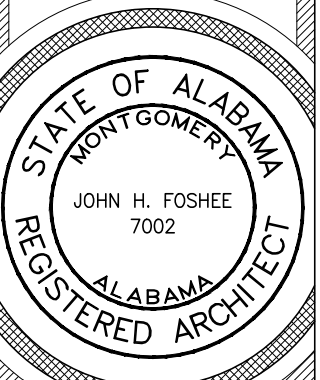


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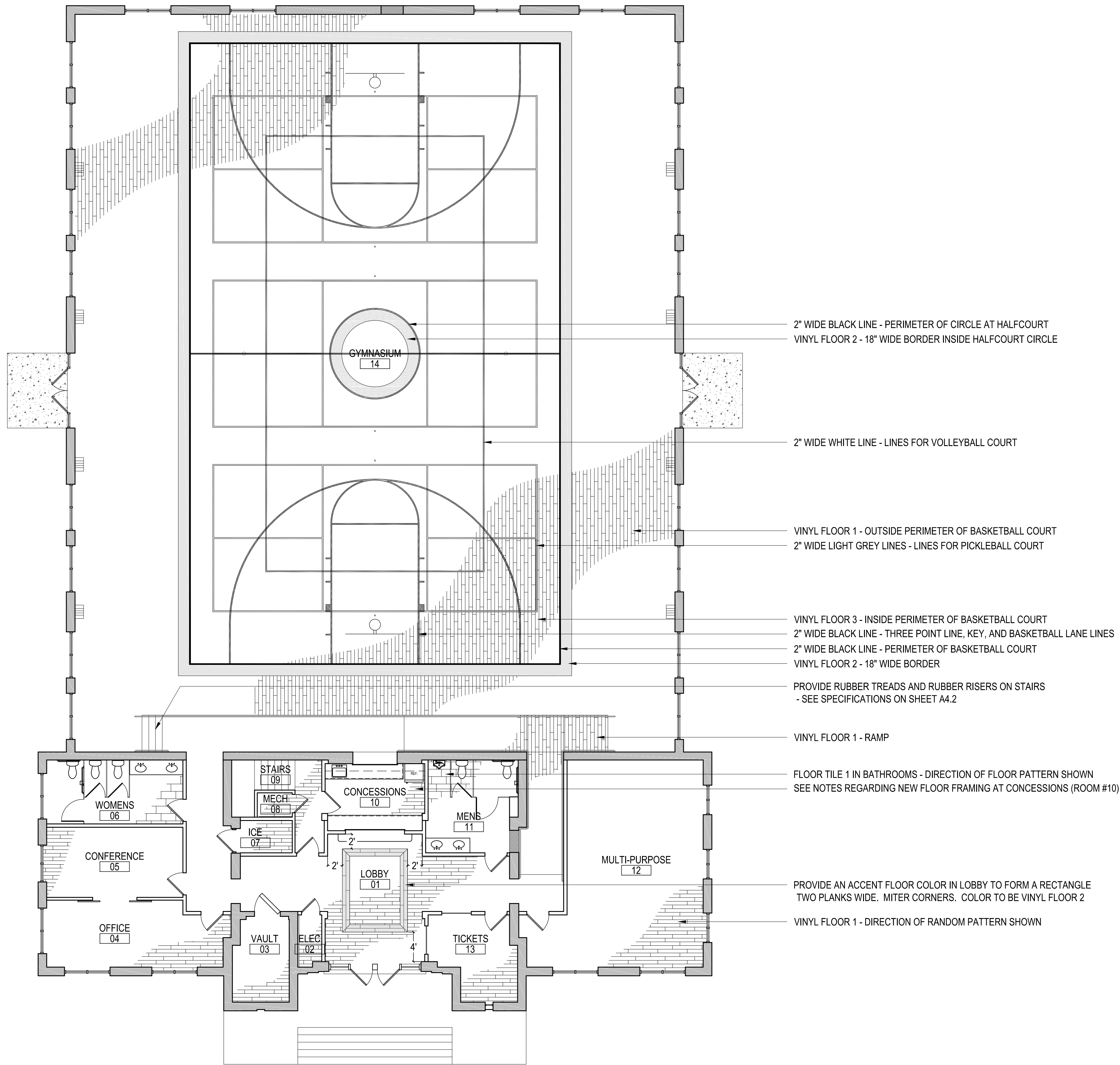
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1ST FLOOR REFLECTED  
CEILING PLAN



A1.2  
Sheet Number





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

FLOOR PATTERN PLAN NOTES

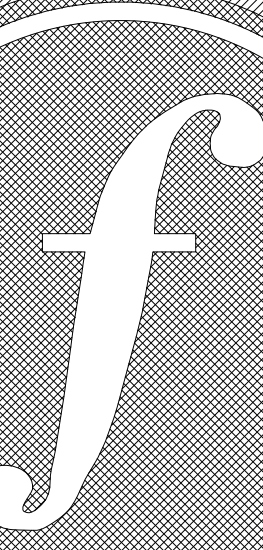
THE EXISTING WOOD FLOOR IS TO REMAIN IN THE FRONT AREA OF THE BUILDING, EXCEPT IN THE AREAS TO RECEIVE NEW TILE. THE EXISTING WOOD FLOOR TO BE REPAIRED (SEE NOTES BELOW), SKIMMED WITH LEVELING COMPOUND AS REQUIRED, AND PREPARED TO RECEIVE NEW VINYL PLANK FLOORING. NEW VINYL PLANK FLOORING TO BE INSTALLED OVER THE EXISTING WOOD FLOOR.

IN THE AREAS TO RECEIVE NEW TILE, THE EXISTING WOOD FLOOR IS TO BE REMOVED, LEAVING THE EXISTING SUBFLOOR INTACT. THE SUBFLOOR IS TO BE REPAIRED AS REQUIRED (SEE NOTES BELOW). NEW 1/2" CEMENT BACKER BOARD IS TO BE INSTALLED, WITH ALL JOINTS TAPED AND SKIMMED. A LIQUID APPLIED WATERPROOFING AND ANTI-CRACK MEMBRANE (EQUAL TO BOSTICK - GOLDPLUS) TO BE APPLIED OVER THE CEMENT BACKER BOARD. TILE TO BE INSTALLED USING THINSET.

GENERAL CONTRACTOR TO ENSURE A DIFFERENCE IN FLOOR ELEVATION BETWEEN THE TILE FLOOR AND THE NEW VINYL PLANK FLOOR IS 1/2" OR LESS TO MEET CODE REQUIREMENTS. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. CONTRACTOR TO SUPPLY AND INSTALL ADA THRESHOLDS AS REQUIRED BETWEEN DIFFERENT FLOOR MATERIALS. SEE FLOOR FINISH TRANSITIONS ON SHEET A4.3.

WOOD FLOOR REPAIR:  
THE OWNER BELIEVES THERE ARE SEVERAL "SOFT SPOTS" IN THE EXISTING WOOD FLOOR WHERE THE WOOD FLOOR OR SUBFLOOR HAS DETERIORATED OVER TIME. GENERAL CONTRACTOR TO INSPECT THE FLOOR AND SUBFLOOR BEFORE BIDDING TO ENSURE THEY ARE FAMILIAR WITH ANY AREAS IN NEED OF REPAIR. GENERAL CONTRACTOR SHALL INCLUDE THE NECESSARY COST TO REPAIR ANY DAMAGED AREAS AS A PART OF THEIR BID.

CONCESSIONS (ROOM #10):  
STAIRS EXIST WHERE CONCESSIONS (ROOM #10) IS SHOWN. GENERAL CONTRACTOR TO INSTALL NEW WOOD FRAMING, A NEW WOOD SUBFLOOR, AND A NEW VINYL FLOOR, AS SPECIFIED. NEW VINYL FLOOR SHALL BE LEVEL WITH NEW VINYL PLANK FLOORING IN ADJACENT ROOM TO PROVIDE A SEAMLESS TRANSITION. CONSULT ARCHITECT WITH ANY QUESTIONS REGARDING THIS WORK PRIOR TO PROCEEDING.

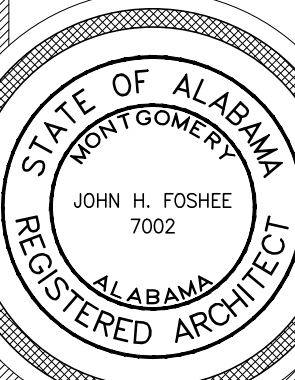


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Design By:	JBP & JHF
Project Date:	6-23-23
Revisions:	

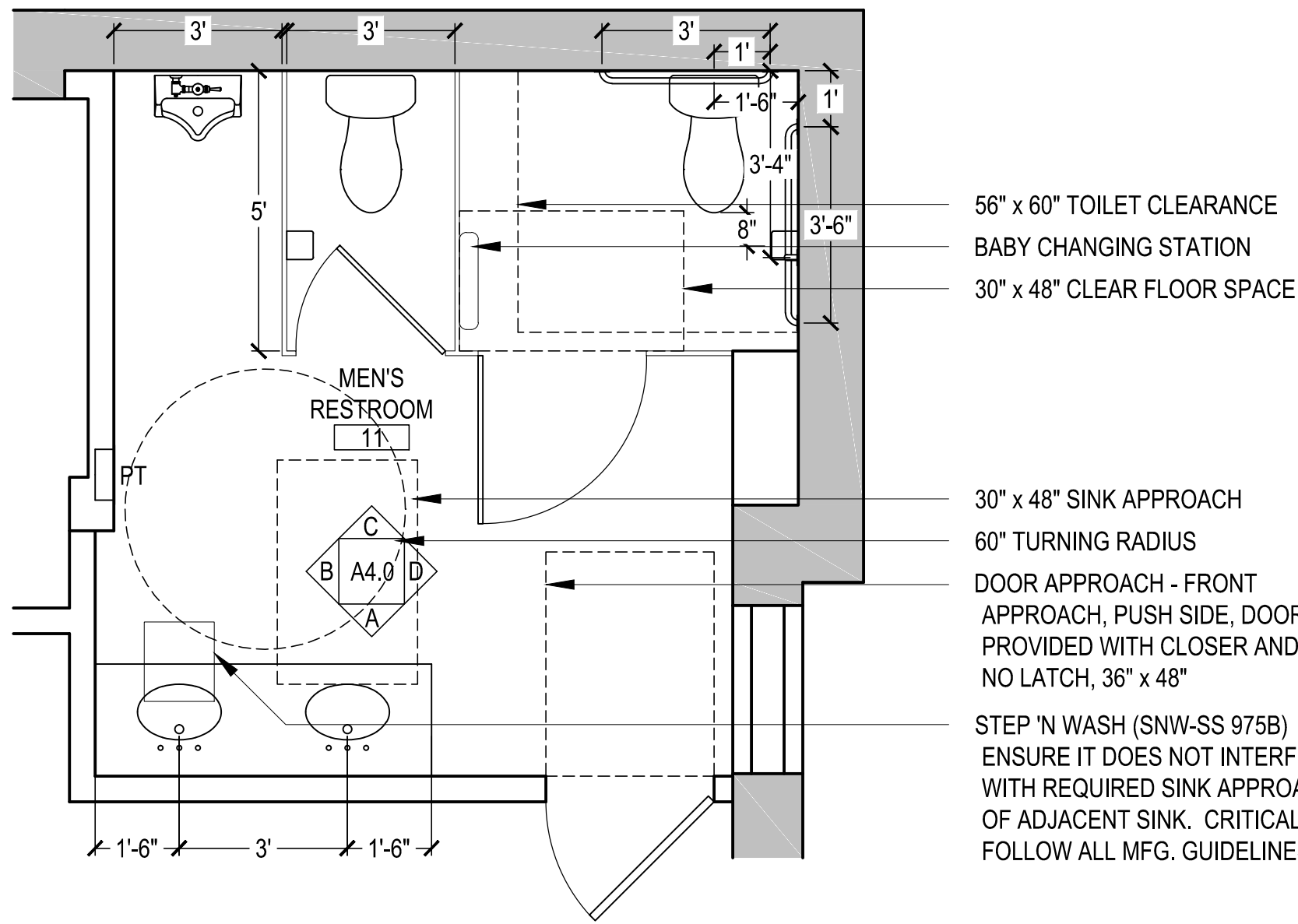
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**1ST FLOOR  
FLOOR PATTERN PLAN**

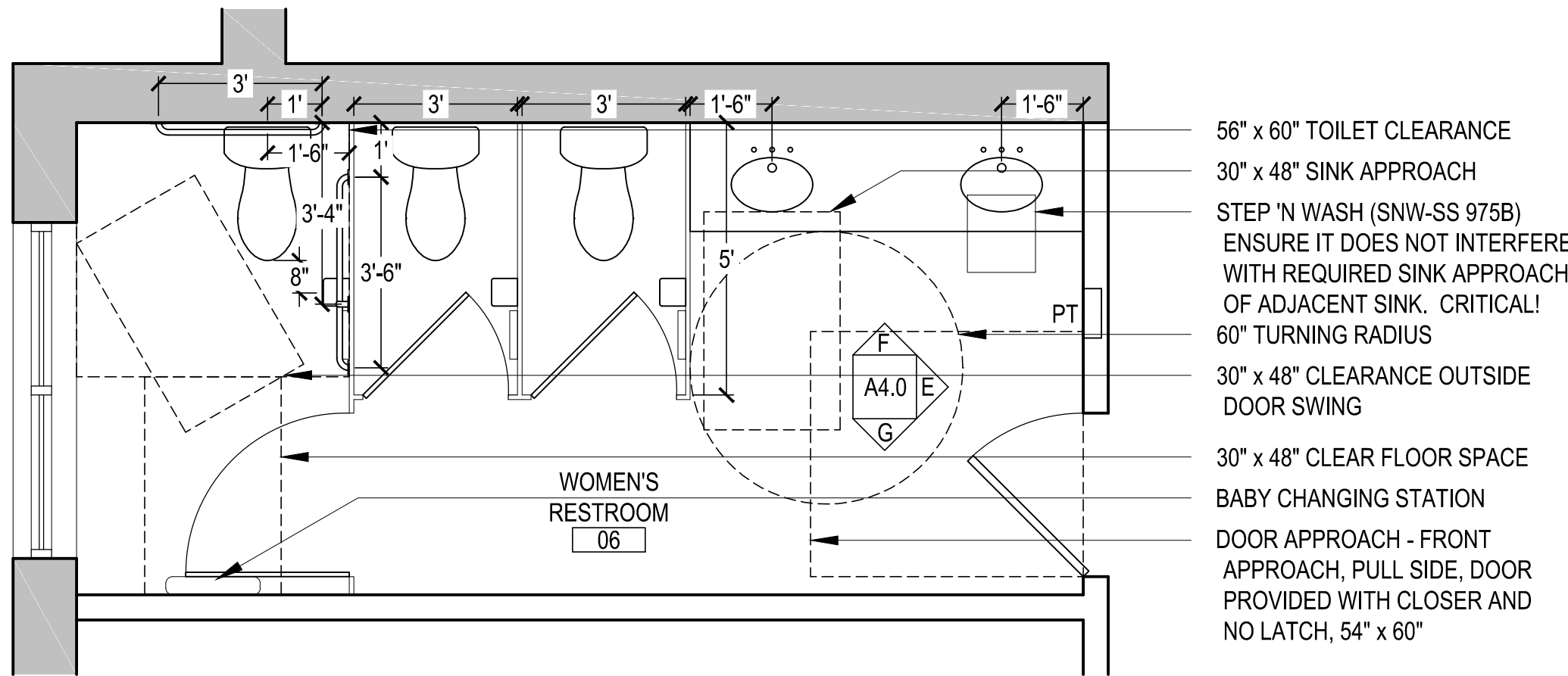
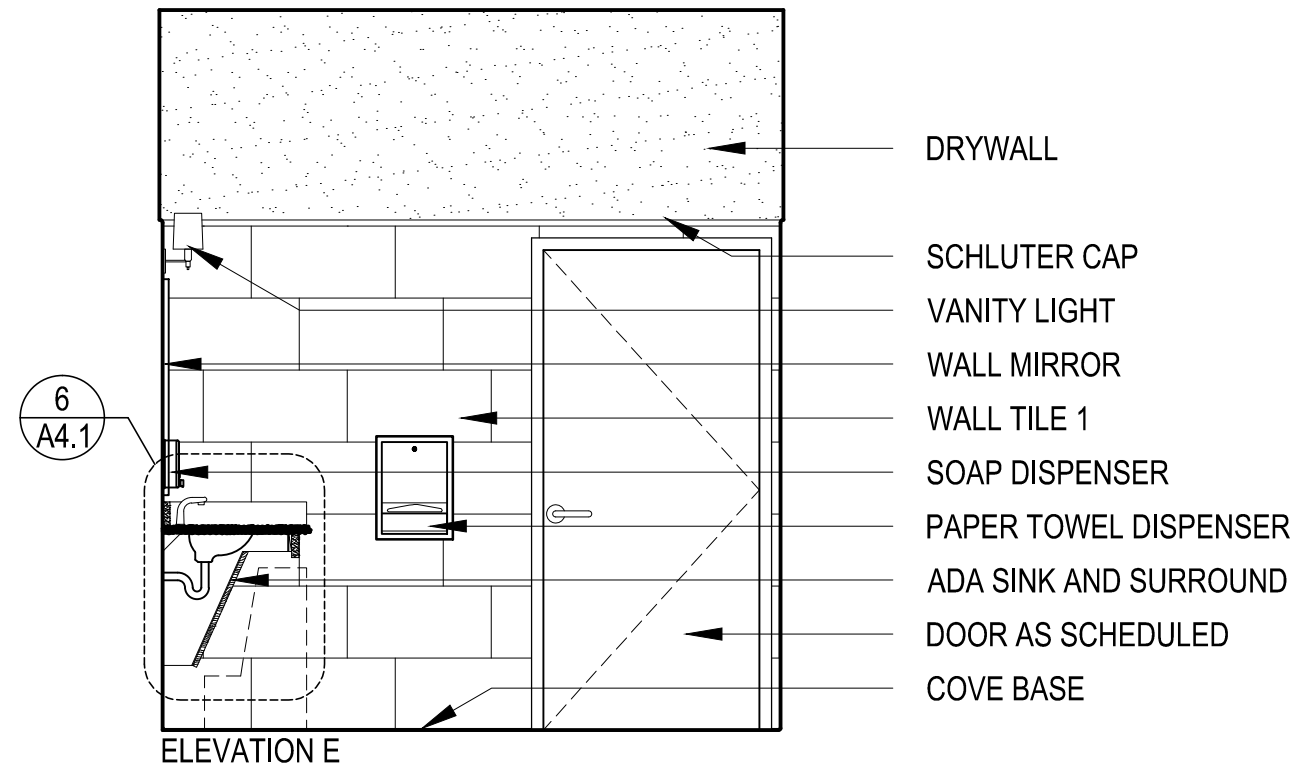
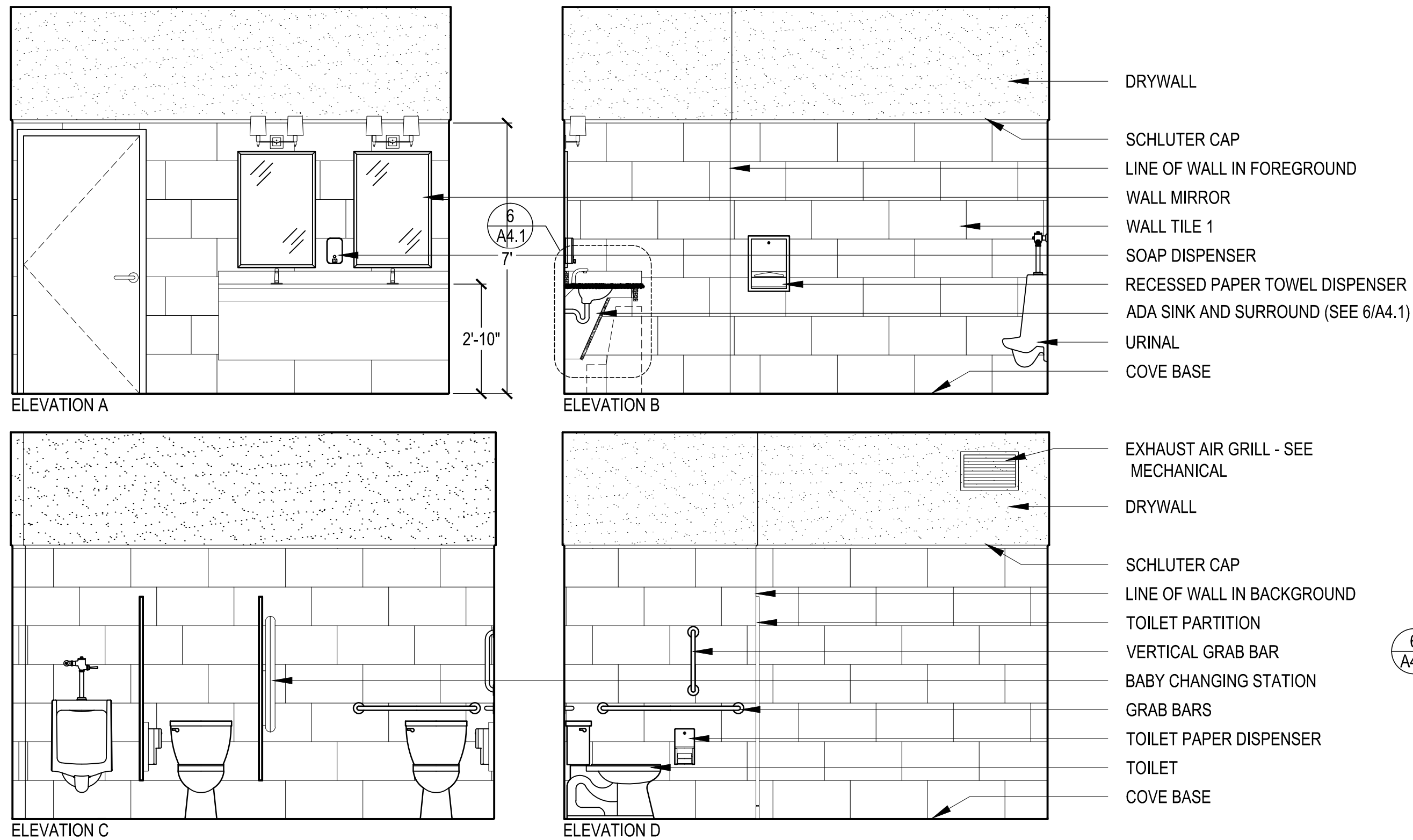


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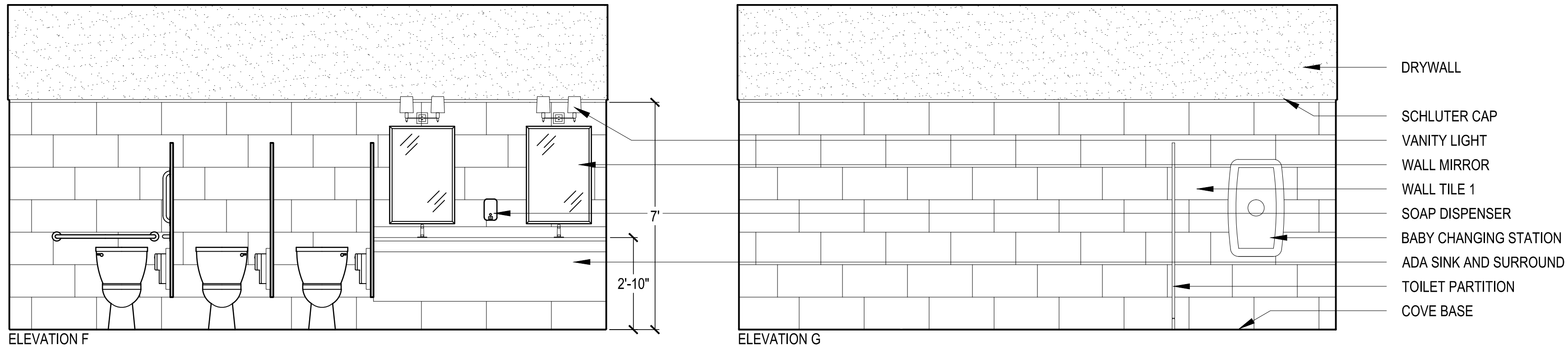




**1 ENLARGED RESTROOM PLAN**  
SCALE: 3/8" = 1'-0"



**2 ENLARGED RESTROOM PLAN**  
SCALE: 3/8" = 1'-0"



ENLARGED BATHROOM PLAN & ELEVATIONS LEGEND AND SCHEDULE

<b>ENLARGED BATHROOM PLAN AND ELEVATION GENERAL NOTES:</b> ALL RESTROOMS AND BATHROOMS ARE TO COMPLY WITH ANSI A117.1 2009 AND ADA 2010. TYPE, LOCATION, AND MOUNTING HEIGHTS OF FIXTURES AND EQUIPMENT ARE CRITICAL TO COMPLIANCE. ENSURE ALL ARE MET. MINOR IN-FIELD MODIFICATIONS COULD RESULT IN NON-COMPLIANCE.  <b>DIMENSIONS ON THIS SHEET ARE TO FINISH FLOOR AND TO FINISH FACE OF WALL. ENSURE THE THICKNESS OF THESE FINISHES ARE TAKEN INTO CONSIDERATION DURING CONSTRUCTION, PARTICULARLY WITH ROUGH-IN MEASUREMENTS FOR TOILETS AND SINKS.</b>	ELEVATION SYMBOL											
	PLAN SYMBOL											
	DESCRIPTION	COAT HOOK	SOAP DISPENSER	TOILET PAPER DISPENSER	PAPER TOWEL DISPENSER	18" GRAB BAR	36" GRAB BAR	42" GRAB BAR	MIRROR	SANITARY NAPKIN DISPOSAL	ADA WALL HUNG URINAL	ADA FLOOR MOUNT TOILET
	MANUFACTURER	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	KOHLER	KOHLER
	MODEL #	B-233	B-2111	B-4288	B-359	B-5806X18	B-5806X36	B-5806X42	B-165 2436	B-254	BARDON	HIGHLINE
	MISCELLANEOUS NOTES			KEYED DOUBLE DISPENSER	RECESSED - ROUGH OPENING 11 1/4" W, 15 5/8" H				MEASURED TO BOTTOM OF REFLECTIVE SURFACE	PROVIDE AT ALL STALLS IN WOMEN'S RESTROOM ONLY	K-4991-ET-0 COLOR = WHITE	K-3493-RA-0 (RIGHT CONTROL) K-3493-0 (LEFT CONTROL) OPEN FRONT TLT SEAT REQ'D

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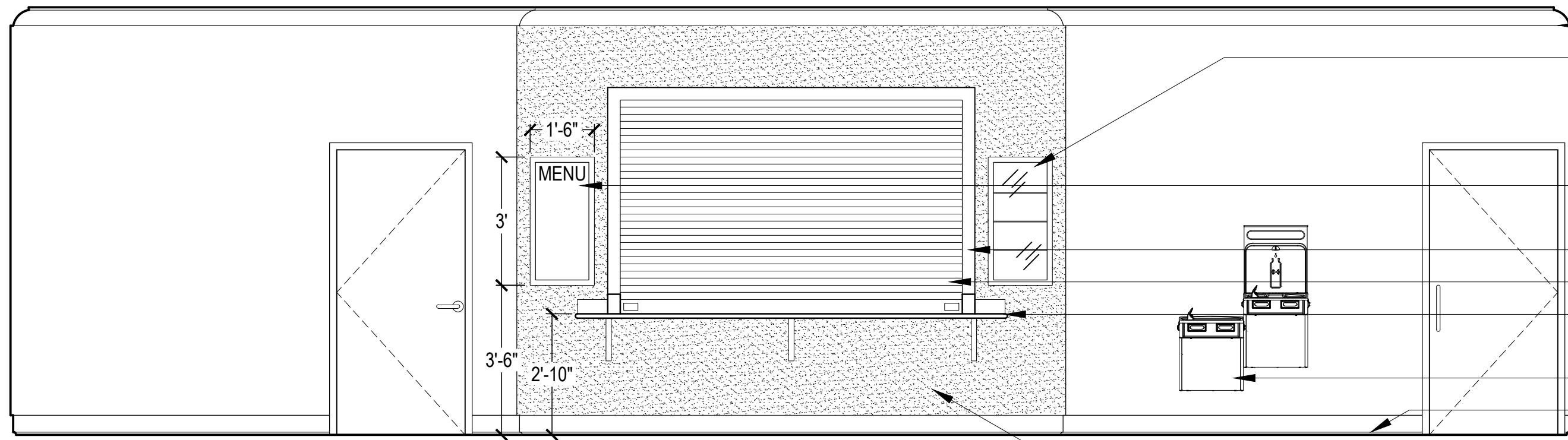
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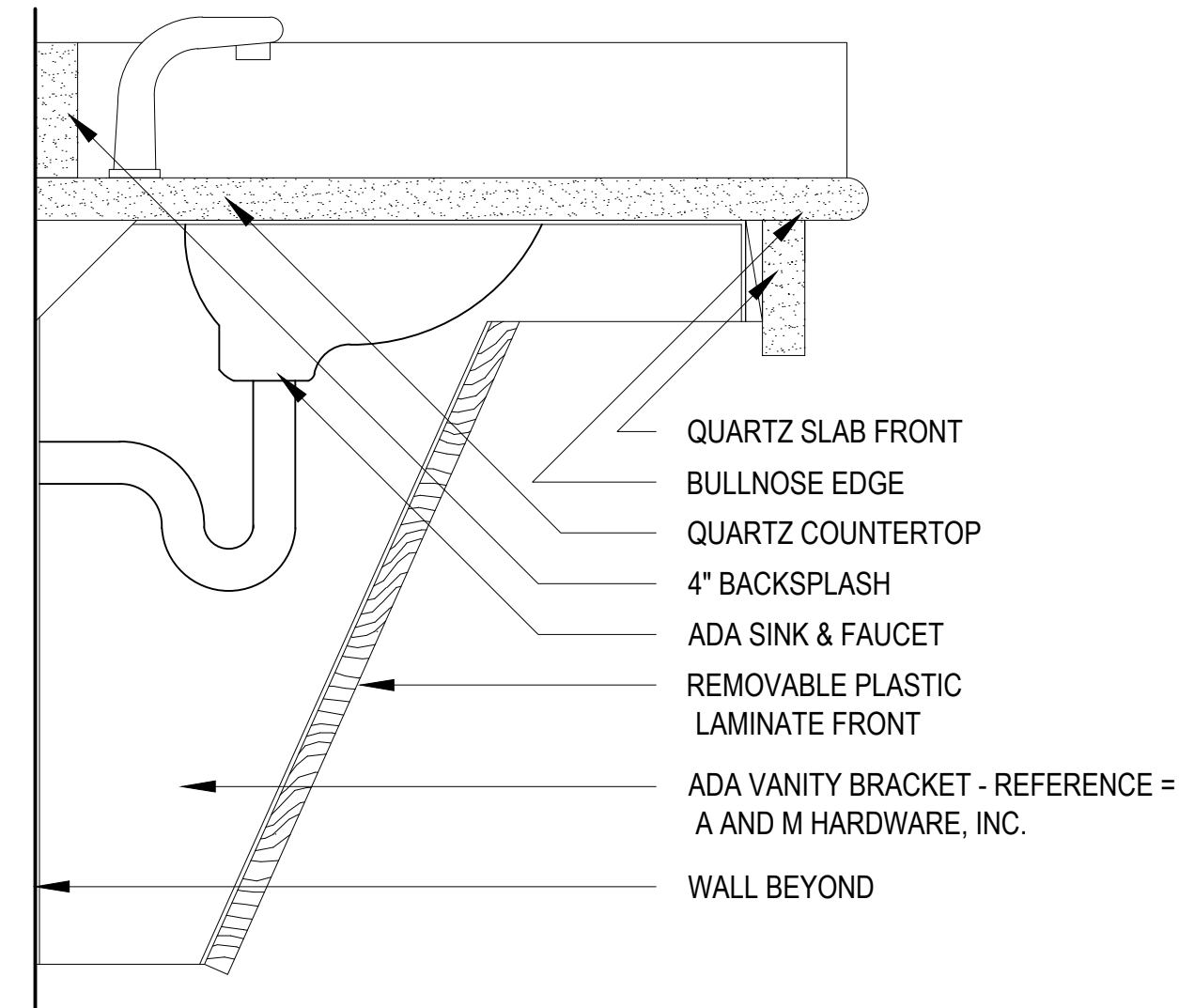
**ENLARGED RESTROOM  
PLANS & INTERIOR  
ELEVATIONS**

**A4.0**  
Sheet Number

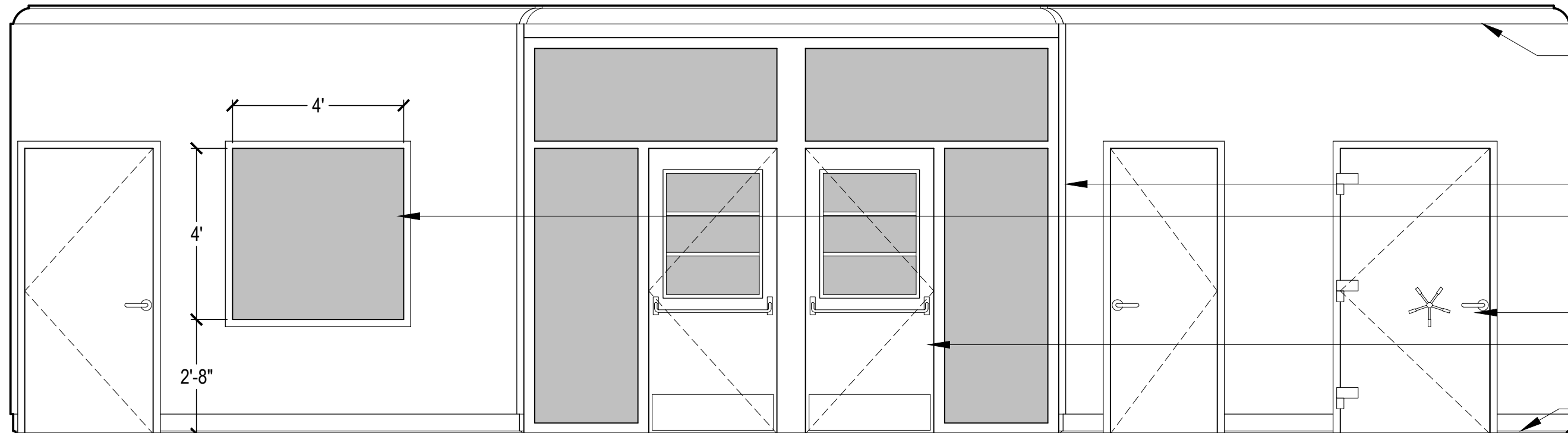




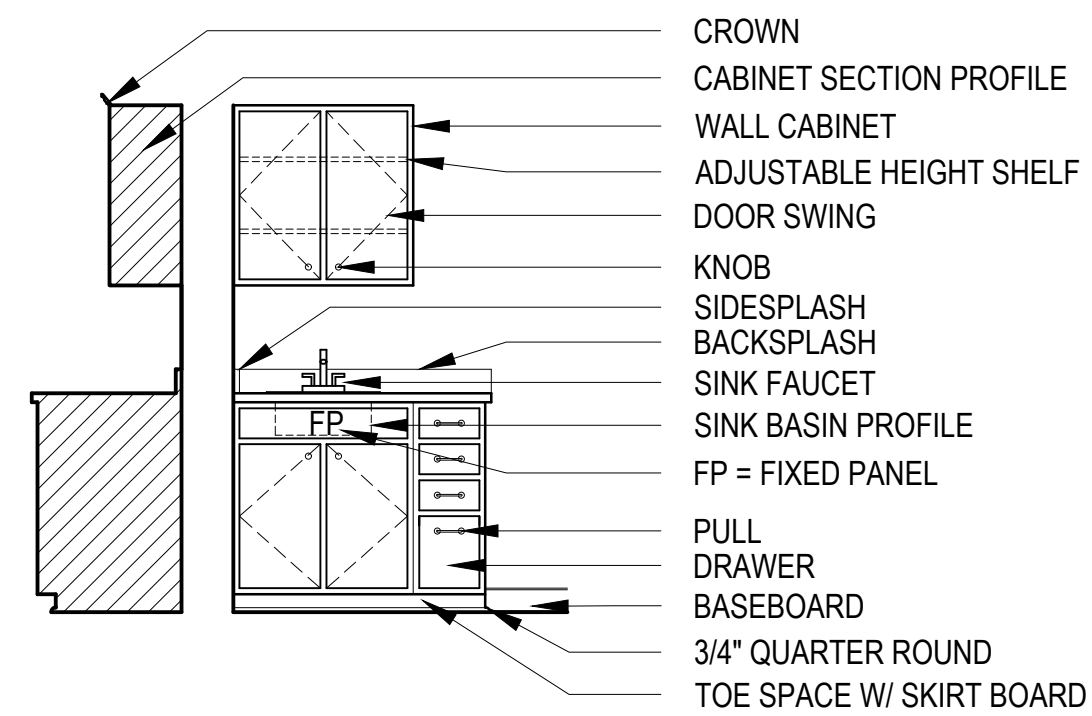
- CROWN MOLDING AS SCHEDULED
- RECESSED CABINET TO DISPLAY CANDY - DEPTH OF WALL- PROVIDED BY CABINET CONTRACTOR - CABINET DOOR ON THE FRONT WITH TEMPERED GLASS AND A LOCK. PROVIDE ADJUSTABLE GLASS SHELVES INSIDE THE CABINET.
- MARKER BOARD WITH WOOD FRAME BY CABINET CONTRACTOR - MATCH RECESSED CABINET
- WOOD TRIM AROUND OPENING
- COUNTER OVERHEAD COILING DOOR, AS SCHEDULED
- QUARTZ COUNTERTOP - PROVIDE BRACKETS AS REQUIRED TO SUPPORT OVERHANG
- ADA WATER COOLER - PROVIDE CANE DETECTION (CRITICAL!)
- WOOD BASE AS SCHEDULED
- ACCENT COLOR ON THIS WALL ONLY (PAINT 11) - HATCHED AREA ONLY



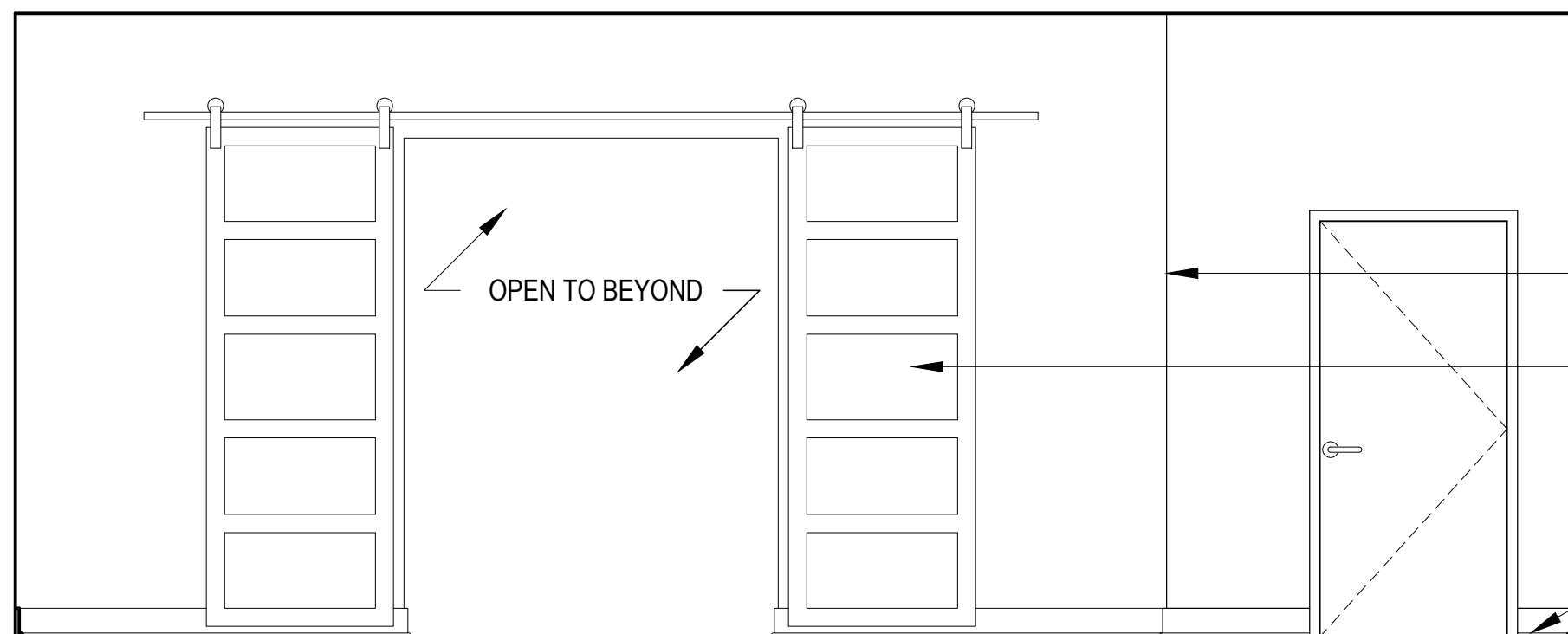
6 ENLARGED VANITY DETAIL  
NOT TO SCALE



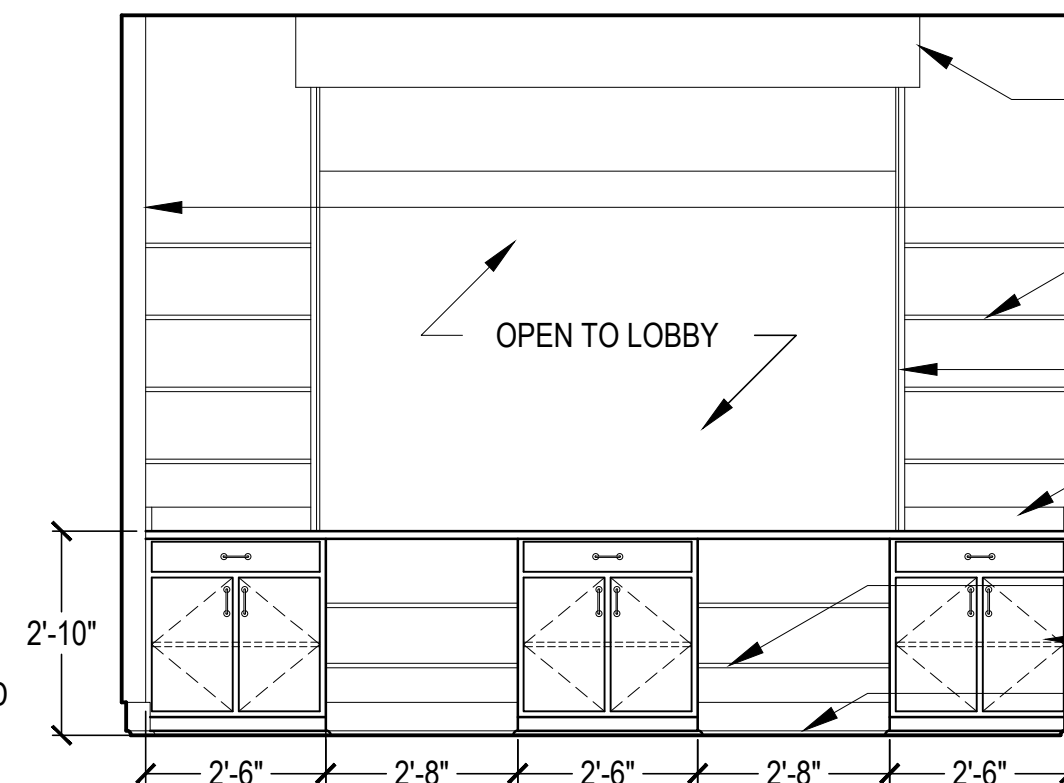
- CROWN MOLDING AS SCHEDULED
- EDGE OF WALL
- NEW FIXED GLASS - PROVIDE TEMPERED GLASS BETWEEN WOOD STOPS, IN A WOOD FRAME. MATCH EXISTING GLASS OPENING IN ROOM
- VAULT DOOR TO REMAIN
- EXISTING DOORS AND GLASS SURROUND TO REMAIN - PROTECT! REPAINT DOORS AND FRAMES (PAINT 4)
- WOOD BASE AS SCHEDULED



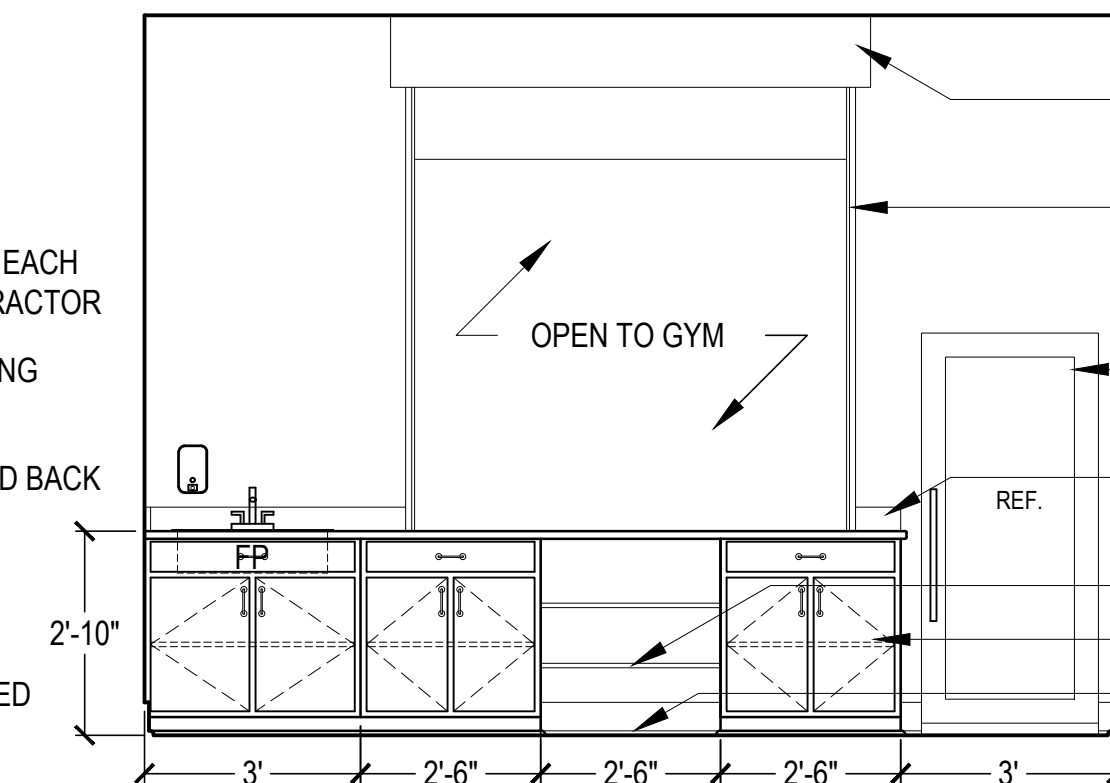
7 CASEWORK LEGEND  
NOT TO SCALE



- EDGE OF WALL
- NEW SLIDING BARN DOOR - SEE DOOR SCHEDULE
- WOOD BASE AS SCHEDULED



4 CONCESSIONS - ROOM #10  
SCALE: 3/8" = 1'-0"

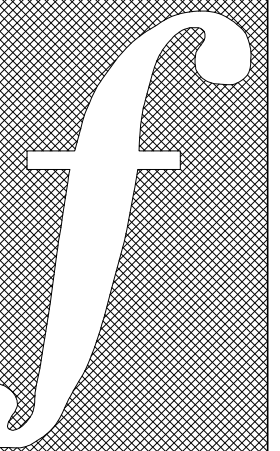


5 CONCESSIONS - ROOM #10  
SCALE: 3/8" = 1'-0"

1 LOBBY - ROOM #01  
SCALE: 3/8" = 1'-0"

2 LOBBY - ROOM #01  
SCALE: 3/8" = 1'-0"

3 OFFICE - ROOM #04  
SCALE: 3/8" = 1'-0"



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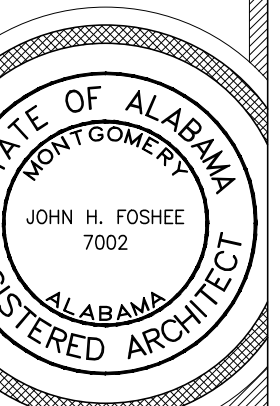
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INTERIOR ELEVATIONS



A4.1

Sheet Number



ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	CEILING	NOTES
01	LOBBY	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1 / MASONRY - PAINT 12	DRYWALL - PAINT 2	SEE GENERAL NOTE #9
02	ELECTRICAL (ELEC)	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1 / MASONRY - PAINT 12	DRYWALL - PAINT 2	SEE GENERAL NOTE #9
03	VAULT	VINYL FLOOR 1	WOOD BASE - PAINT 3	EXISTING MASONRY TO REMAIN - PAINT 12	EXISTING TO REMAIN - PAINT 7	SEE GENERAL NOTE #9
04	OFFICE	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1 / MASONRY - PAINT 12	DRYWALL - PAINT 2	SEE GENERAL NOTE #9
05	CONFERENCE	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1 / MASONRY - PAINT 12	DRYWALL - PAINT 2	SEE GENERAL NOTE #9
06	WOMENS	FLOOR TILE 1	SCHLUTER COVE BASE	M.R. DRYWALL - PAINT 1 / WALL TILE 1 & CAP	M.R. DRYWALL - PAINT 2	-
07	ICE	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
08	MECH	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
09	STAIRS	VINYL FLOOR 1	EXISTING TO REMAIN - PAINT 3	DRYWALL - PAINT 1	EXISTING TO REMAIN / PATCH - PAINT 2	-
10	CONCESSIONS	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
11	MENS	FLOOR TILE 1	SCHLUTER COVE BASE	M.R. DRYWALL - PAINT 1 / WALL TILE 1 & CAP	M.R. DRYWALL - PAINT 2	-
12	MULTI-PURPOSE	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1 / MASONRY - PAINT 12	DRYWALL - PAINT 2	SEE GENERAL NOTE #9
13	TICKETS	VINYL FLOOR 1	WOOD BASE - PAINT 3	DRYWALL - PAINT 1 / MASONRY - PAINT 12	DRYWALL - PAINT 2	SEE GENERAL NOTE #9
14	GYMNASIUM	VINYL FLOOR - SEE SHEET A1.3	WOOD BASE - PAINT 3	EXISTING MASONRY - PAINT - SEE DETAIL 1/A4.4	EXISTING TO REMAIN - PAINT 2	SEE FLOOR PATTERN PLAN ON SHEET A1.3

SPECIFICATIONS

<p><b>DRYWALL</b> SIZE: 5/8" TYPE X (UNLESS NOTED OTHERWISE) FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL</p> <p><b>MOISTURE RESISTANT (M.R.) DRYWALL</b> SIZE: 5/8" MOISTURE RESISTANT TYPE X FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL</p> <p><b>PAINT COLOR 1</b> SUBSTRATE: DRYWALL SHEEN: EGGSHELL COLOR: BENJAMIN MOORE - GREY MIST (OC-30)</p> <p><b>PAINT COLOR 2</b> SUBSTRATE: DRYWALL CEILINGS SHEEN: FLAT COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)</p> <p><b>PAINT COLOR 3</b> SUBSTRATE: INTERIOR WOOD TRIM SHEEN: SEMI-GLOSS COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)</p> <p><b>PAINT COLOR 4</b> SUBSTRATE: METAL TRIM AND METAL DOORS SHEEN: SEMI-GLOSS COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)</p> <p><b>PAINT COLOR 5</b> SUBSTRATE: EXTERIOR CEMENT BOARD &amp; TRIM SHEEN: MATCH EXISTING COLOR: MATCH EXISTING - DARK GREY / BLACK COLOR</p> <p><b>PAINT COLOR 6</b> SUBSTRATE: WOOD CEILING IN GYM SHEEN: FLAT COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)</p> <p><b>PAINT COLOR 7</b> SUBSTRATE: MASONRY SHEEN: FLAT COLOR: BENJAMIN MOORE - PURE WHITE (OC-64) NOTES: PAINT TO BE BREATHABLE TO ENSURE NO MOISTURE IS TRAPPED IN THE WALLS</p> <p><b>PAINT COLOR 8</b> SUBSTRATE: MASONRY SHEEN: SEMI-GLOSS COLOR: ELBA GOLD (PMS 465C) - CUSTOM COLOR NOTES: PAINT TO BE BREATHABLE TO ENSURE NO MOISTURE IS TRAPPED IN THE WALLS - CONSULT ARCHITECT WITH ANY QUESTIONS REGARDING THE GOLD COLOR PRIOR TO PROCEEDING</p> <p><b>PAINT COLOR 9</b> SUBSTRATE: MASONRY SHEEN: GLOSS COLOR: BLACK - SIMILAR TO RUST-OLEUM PROTECTIVE ENAMEL NOTES: FOR SMALL STRIPES ONLY</p> <p><b>PAINT COLOR 10</b> SUBSTRATE: WOOD COLUMNS AND TRUSSES SHEEN: GLOSS COLOR: BLACK - SIMILAR TO RUST-OLEUM PROTECTIVE ENAMEL</p>	<p><b>PAINT COLOR 11</b> SUBSTRATE: DRYWALL SHEEN: EGGSHELL COLOR: ELBA GOLD (PMS 465C) - CUSTOM COLOR NOTES: CONSULT ARCHITECT WITH ANY QUESTIONS REGARDING GOLD COLOR PRIOR TO PROCEEDING</p> <p><b>PAINT COLOR 12</b> SUBSTRATE: MASONRY SHEEN: EGGSHELL COLOR: BENJAMIN MOORE - GREY MIST (OC-30) NOTES: PAINT TO BE BREATHABLE TO ENSURE NO MOISTURE IS TRAPPED IN THE WALLS</p> <p><b>STAIN COLOR 1</b> SUBSTRATE: BIRCH VENEER DOORS TYPE: SEMI-TRANSPARENT COLOR: BENJAMIN MOORE - AMHERST GRAY (HC-167) NOTES: PROVIDE A PHYSICAL SAMPLE ON SITE PRIOR TO PROCEEDING!</p> <p><b>SEALER 1</b> SUBSTRATE: INTERIOR WOOD DOORS TYPE: POLYURETHANE SHEEN: SEMI-GLOSS COLOR: CLEAR</p> <p><b>VINYL FLOOR 1</b> MFG: TARKETT STYLE: iD LATITUDE WOOD COLOR: SILVER MAPLE (#7535) SIZE: 6" x 48" PLANK PATTERN: RANDOM PATTERN - CENTER IN ROOM WARRANTY: LIFETIME COMMERCIAL WARRANTY</p> <p><b>VINYL FLOOR 2</b> MFG: TARKETT STYLE: iD LATITUDE ABSTRACT COLOR: AFTERGLOW (#7557) SIZE: 6" x 48" PLANK IN LOBBY AND 18" x 18" TILE IN GYM PATTERN: SEE FLOOR PATTERN PLAN (SHEET A1.3) WARRANTY: LIFETIME COMMERCIAL WARRANTY</p> <p><b>VINYL FLOOR 3</b> MFG: TARKETT STYLE: iD LATITUDE WOOD COLOR: PEARL MAPLE (#7526) SIZE: 6" x 48" PLANK PATTERN: RANDOM PATTERN - CENTER IN BASKETBALL COURT WARRANTY: LIFETIME COMMERCIAL WARRANTY</p> <p><b>CABINETRY:</b> STYLE: SHAKER STYLE TYPE: FULL OVERLAY WOOD CABINETS SPECIES: MAPLE WOOD FINISH: PAINTED FACTORY FINISH COLOR: CHELSEA GREY (HC-168) HARDWARE: PROVIDE A \$5.00 ALLOWANCE PER DOOR OR DRAWER NOTES: PROVIDE CROWN MOLDING AT TOP OF ALL UPPER CABINETS</p> <p><b>COUNTERTOPS:</b> MFG: LG HAUSYS - VIATERA TYPE: QUARTZ SIZE: 3CM (1.5") THICK COLOR: FORTE PROFILE: EASED EDGE</p>	<p><b>WALL TILE 1:</b> MFG: FLORIDA TILE STYLE: HIGH RIDGE COLOR: PINNACLE BEIGE TYPE: GLAZED PORCELAIN TILE GROUT: LATICRETE BOSTIK QUARTZLOCK2 GROUT (#370 RAINCLOUD GRAY) - PROVIDE A SAMPLE ON SITE FOR OWNER'S REVIEW AND APPROVAL SIZE: 12x24 - 1/3 OFFSET PATTERN NOTES: REFER TO INTERIOR ELEVATIONS REGARDING EXACT LOCATIONS OF WALL TILE - PROVIDE SCHLUTER CAP AND BASE</p> <p><b>FLOOR TILE 1:</b> MFG: FLORIDA TILE STYLE: HIGH RIDGE COLOR: DEEP TAUPE TYPE: GLAZED PORCELAIN TILE GROUT: LATICRETE BOSTIK QUARTZLOCK2 GROUT (#370 RAINCLOUD GRAY) SIZE: 12" x 24" - 1/3 OFFSET PATTERN NOTES: PROVIDE SCHLUTER BASE</p> <p><b>SCHLUTER CAP</b> SHAPE: JOLLY 100ATGB FINISH: BRUSHED NICKEL SIZE: 3/8 (10MM) NOTES: INCLUDE CORNERS, CONNECTORS, END CAPS, ETC. AS REQUIRED</p> <p><b>SCHLUTER COVE BASE</b> SHAPE: DILEX-AHKA100ATGB FINISH: BRUSHED NICKEL SIZE: 3/8 (10MM) NOTES: INCLUDE CORNERS, CONNECTORS, END CAPS, ETC. AS REQUIRED</p> <p><b>TOILET PARTITIONS</b> MFG: ASI GLOBAL STYLE: FLOOR ANCHORED / OVERHEAD BRACED COLOR: BLACK (2000C) - COLOR-THRU PHENOLIC NOTES: PROVIDE SELF CLOSERS ON ALL DOORS - ALL PARTITIONS TO MEET ADA REQUIREMENTS - ALL TRIM, HARDWARE, LATCHES, ETC. TO BE SILVER IN COLOR</p> <p><b>WOOD CROWN MOLDING:</b> PROFILE: MM8013 COLOR: PAINT 3 SPECIES: POPLAR OR SIMILAR PAINT GRADE WOOD</p> <p><b>WOOD BASE:</b> PROFILE: 1 x 6 S4S COLOR: PAINT 3 SPECIES: POPLAR OR SIMILAR PAINT GRADE WOOD. USE P.T. WOOD BASE AT ALL EXTERIOR MASONRY WALLS. ENSURE P.T. WOOD IS AT THE CORRECT MOISTURE CONTENT TO ACCEPT PAINT. NOTES: PROVIDE A 3/4" QUARTER ROUND AT ALL WOOD BASE</p> <p><b>ELECTRICAL DEVICES</b> COLOR: ALL SWITCHES, OUTLETS, AND COVER PLATES TO BE WHITE</p>	<p><b>HVAC GRILLS AND REGISTERS</b> COLOR: ALL HVAC WALL GRILLS AND WALL REGISTERS TO BE FACTORY FINISHED IN WHITE. ALL HVAC FLOOR GRILLS, FLOOR REGISTERS, AND EXTERIOR GRILLS/LOUVERS TO BE FACTORY FINISHED IN DARK BRONZE. ALL FLOOR GRILLS AND REGISTERS TO BE ADA ACCESSIBLE AND SHALL NOT ALLOW THE PASSAGE OF A SPHERE MORE THAN 1/2" IN DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.</p> <p><b>POWDER COAT 1:</b> MFG: PPG COLOR: TRAFFIC BLACK (RAL 9017)</p> <p><b>RUBBER TREADS:</b> MFG: ROPPE STYLE: RAISED CIRCULAR VINTAGE (#98) COLOR: FIG (#125) TYPE: RUBBER STAIR TREAD WITH TAPERED NOSE</p> <p><b>RUBBER RISERS:</b> MFG: ROPPE COLOR: BLACK (#100) TYPE: RUBBER RISER</p>
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GENERAL NOTES

1.	INSTALL ALL EQUIPMENT AND FINISHES PER MFG. RECOMMENDATIONS.
2.	MANUFACTURER REFERENCE IS FOR STYLE / COLOR. IT IS NOT A REQUIREMENT TO USE A SPECIFIC BRAND. ALL SUBMITTALS AND SUBSTITUTIONS TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING.
3.	ALL FINISHES MUST MEET CODE INCLUDING FLAMMABILITY AND SLIP RESISTANCE.
4.	ARCHITECT IS TO BE PROVIDED PHYSICAL SAMPLES BY CONTRACTOR AND IS TO REVIEW AND APPROVE ALL FINISHES PRIOR TO PURCHASE. ALL FINISHES MUST MEET CODE REQUIREMENTS.
5.	CORRIDOR WALL AND CEILING FINISHES ARE TO BE CLASS B RATED AT MIN.
6.	ENCLOSED ROOM WALL AND CEILING FINISHES ARE TO BE CLASS C RATED AT MIN.
7.	FLOOR FINISHES ARE TO BE CLASS II RATED AT MIN.
8.	SEE FLOOR FINISH TRANSITION DETAILS ON SHEET A4.3
9.	ANY PLASTER, DRYWALL, AND/OR WOOD PANELING TO BE REMOVED FROM EXTERIOR MASONRY WALLS. MOISTURE IS PENETRATING THROUGH MASONRY WALLS AND DAMAGING EXISTING FINISHES. THE INSIDE FACE OF ALL EXTERIOR MASONRY WALLS TO BE PAINTED WITH BREATHABLE PAINT (PAINT COLOR 12). CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.

APPLIANCES

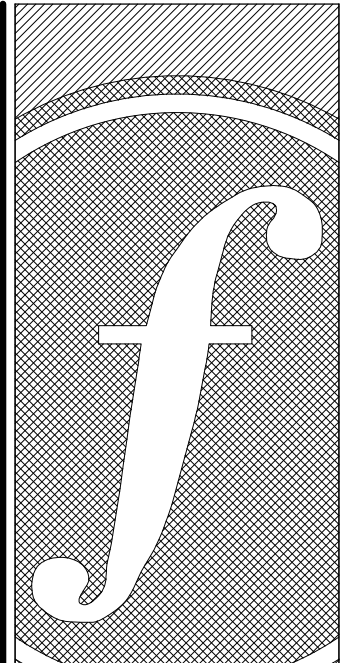
NOTE: MANUFACTURERS AND MODELS BELOW ARE THE BASIS OF DESIGN. OTHER MANUFACTURERS OF EQUAL PRODUCTS WILL BE CONSIDERED. CONSULT ARCHITECT WITH ANY QUESTIONS AND FOR APPROVAL PRIOR TO PROCEEDING!	
<b>DISPOSAL:</b> MANUFACTURER DESIGN	INSINKERATOR EVOLUTION 5/8 HORSEPOWER
<b>ICE MACHINE:</b> NOTES	OWNER TO PROVIDE A COMMERCIAL ICE MACHINE. CONTRACTOR TO INSTALL IN ICE ROOM (ROOM 07). CONTRACTOR TO PROVIDE WATER SUPPLY AND DRAIN AS REQUIRED TO MEET CODE AND REQUIREMENTS OF ICE MACHINE MANUFACTURER.
<b>REFRIGERATOR:</b> NOTES	OWNER PROVIDED AND INSTALLED

BASKETBALL GOALS

TWO NEW BASKETBALL GOALS ARE TO BE PURCHASED AND INSTALLED BY GENERAL CONTRACTOR. FOLLOW ALL MANUFACTURER GUIDELINES FOR PROPER INSTALLATION, INCLUDING SAFETY WIRES AND SAFETY SYSTEMS. SEE STRUCTURAL DETAILS FOR ALL BRACING AND BLOCKING REQUIREMENTS. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS TO RAISE, LOWER, AND FOLD GOALS.	
SPECIFICATIONS OF BASKETBALL GOALS:	
<b>MFG:</b> <b>MODEL:</b> <b>BRACING:</b> <b>COLOR:</b> <b>BACKBOARD:</b> <b>PADDING:</b> <b>ACCESSORIES:</b>	DRAPER INC TS-20 (FRONT BRACED, FORWARD FOLDING BACKSTOP) SEE STRUCTURAL DRAWINGS FOR REQUIRED BRACING BLACK POWDER COATING #503136 - 72" x 42" GLASS BACKBOARD #503211 (BLACK) - BACKBOARD PADDING #503093 EZ FOLD MOTORIZED HEIGHT ADJUSTER WITH KEY SWITCH - ADJUST BACKBOARD BETWEEN 8' - 10' IN HEIGHT #503285 ELECTRIC WINCH WITH KEY SWITCH
<b>NOTES:</b>	PROVIDE A SEPARATE WALL MOUNTED KEY SWITCH TO RAISE AND LOWER EACH BACKBOARD INDEPENDENTLY AND A SEPARATE KEY SWITCH TO FOLD EACH GOAL INDEPENDENTLY - SEE ELECTRICAL

ACCESS PANEL

GENERAL CONTRACTOR TO SUPPLY AND INSTALL A HINGED FLOOR ACCESS PANEL IN ROOM 07 IN ORDER TO ACCESS THE ENTIRE CRAWL SPACE, INCLUDING NECESSARY MODIFICATIONS TO THE EXISTING FLOOR FRAMING. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.	
SPECIFICATIONS OF HINGED FLOOR ACCESS PANEL:	
<b>MFG:</b> <b>MODEL:</b> <b>SKU:</b> <b>MATERIAL:</b> <b>NOTES:</b>	BEST ACCESS DOORS 36" x 36" HINGED FLOOR PANEL WITH 1/8" RECESS FOR VINYL TILE BA-FT-8040-36-36 ALUMINUM DOOR AND FRAME INSTALL VINYL PLANK FLOOR OVER ACCESS PANEL TO PROVIDE A SEAMLESS INSTALLATION



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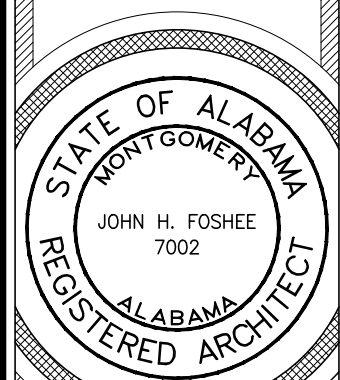
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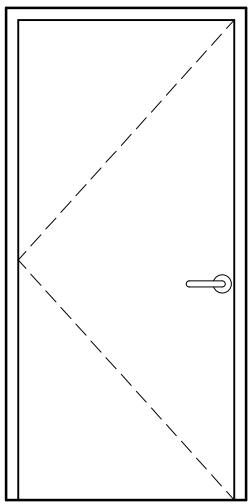
FINISH SCHEDULE,  
SPECIFICATIONS, AND  
DETAILS



**A4.2**  
Sheet Number

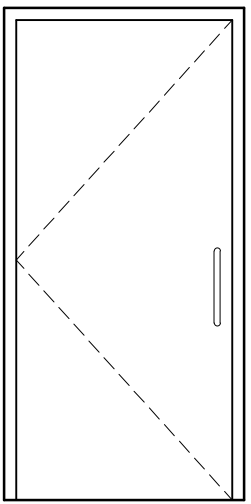


DOOR SCHEDULE



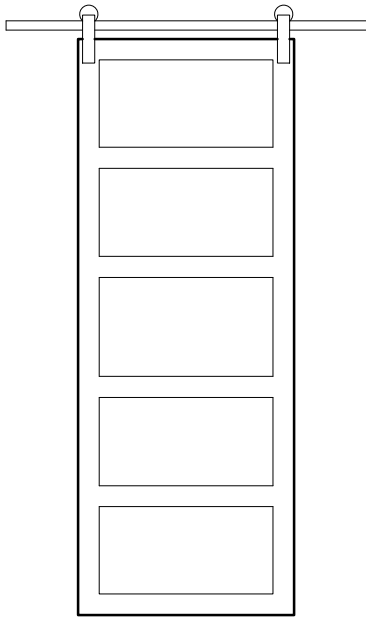
DOOR TYPE A

USE: INTERIOR DOOR  
TYPE: WOOD, FLAT PANEL DOOR  
SIZE: 1 - 3/4" X 3'-0" X 6'-8"  
FINISH: CLEAR FINISHED BIRCH VENEER  
HARDWARE: SIDE HINGED DOOR WITH ADA CLASSROOM FUNCTION LEVER HANDLE.  
THRESHOLD: N/A  
GASKET: NO  
FRAME: DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 4)  
NOTE: DOOR INTO ROOM 07 (ICE) SHALL BE PROVIDED WITH A STOREROOM FUNCTION LEVER HANDLE. PROVIDE A 3/4" UNDERCUT AT ELEC. (ROOM 02) AND TICKETS (ROOM 13)



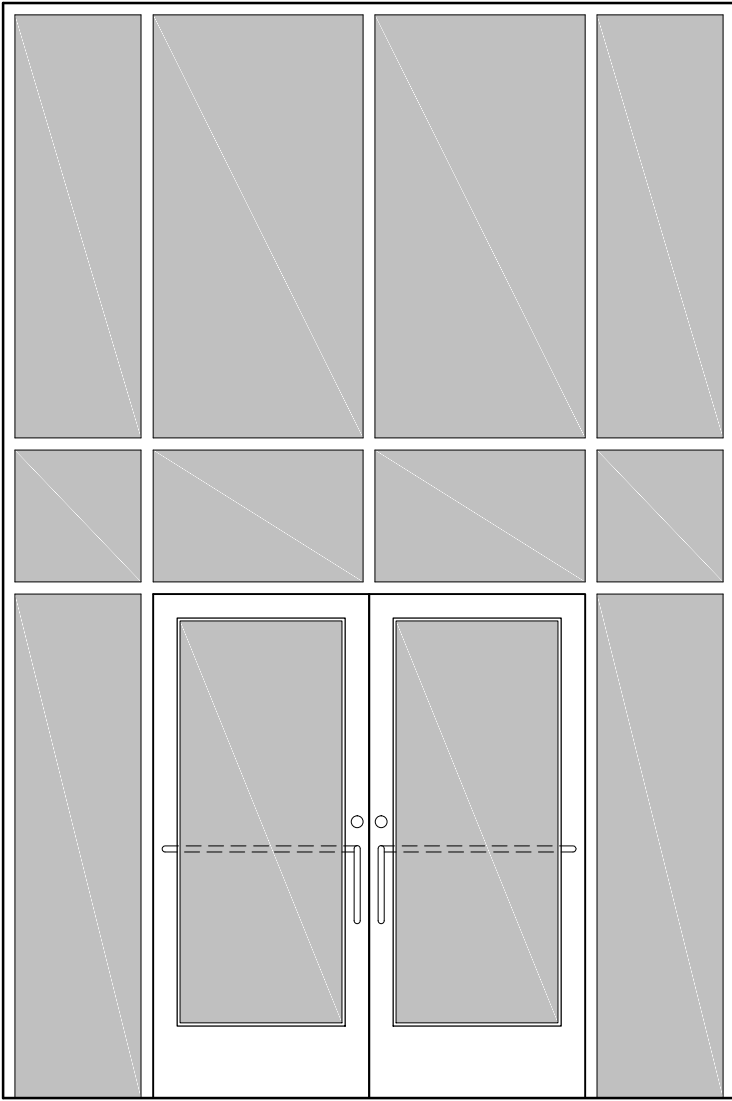
DOOR TYPE B

USE: INTERIOR RESTROOM DOOR  
TYPE: WOOD, FLAT PANEL DOOR  
SIZE: 1 - 3/4" X 3'-0" X 6'-8"  
FINISH: CLEAR FINISHED BIRCH VENEER  
HARDWARE: SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE AND HYDRAULIC CLOSER  
THRESHOLD: N/A  
GASKET: YES  
FRAME: DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 4). PROVIDE A 3/4" UNDERCUT AT MENS (ROOM 11).



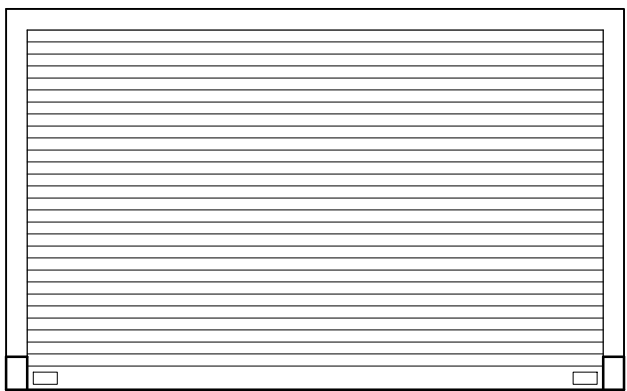
DOOR TYPE C

USE: CONFERENCE ROOM BARN DOORS  
TYPE: WOOD, FIVE PANEL DOORS  
SIZE: PAIR OF 1 - 3/4" X 3'-0" X 8'-0"  
FINISH: CLEAR FINISHED BIRCH  
HARDWARE: BARN DOOR TRACK AND RELATED HARDWARE, INCLUDING STOPS AND DOOR GUIDES  
THRESHOLD: N/A  
GASKET: N/A  
FRAME: NONE - DRYWALL OPENING BETWEEN ROOMS  
NOTES: SEE DETAIL 3/A4.1 FOR MORE DETAILS



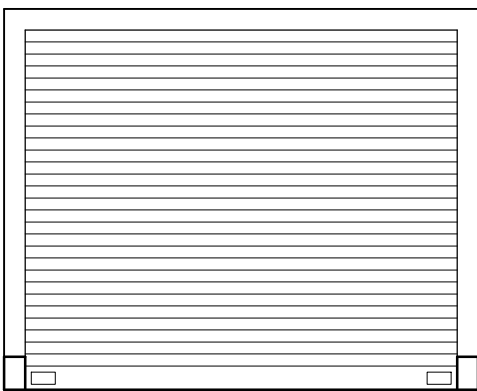
DOOR TYPE D

USE: EXISTING EXTERIOR ENTRANCE DOOR (SEE NOTES)  
TYPE: STOREFRONT  
THERMAL: MAX. SHGC = 0.25  
MAX. U FACTOR = 0.77  
SIZE: EXISTING  
FINISH: FACTORY FINISH - EXISTING  
HARDWARE: SIDE HINGED DOOR WITH ADA ENTRY PULL, ADA EGRESS PUSH BAR, HYDRAULIC DOOR CLOSER, SURFACE MOUNTED DOOR SWEEP, AND SINGLE KEYED DEADBOLT WITH THUMB TURN ON THE INSIDE.  
THRESHOLD: YES (ADA HEIGHT)  
GASKET: YES  
FRAME: STOREFRONT - EXISTING  
NOTES: PROVIDE TEMPERED GLASS AS REQUIRED. STOREFRONT UNIT WAS ORIGINALLY INSTALLED, BUT WAS REMOVED TO ALLOW ACCESS TO THE GYM FLOOR DURING DEMOLITION. THE EXISTING UNIT IS BEING STORED AT "ELBA GLASS." CONTRACTOR TO REINSTALL STOREFRONT UNIT, ENSURING ALL OF THE REQUIREMENTS ABOVE ARE MET. NOTIFY ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.



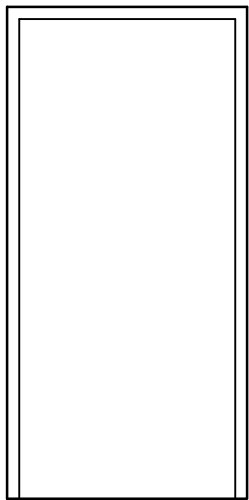
DOOR TYPE E

USE: COILING OVERHEAD COUNTER DOOR  
SIZE: 1/2" X 8'-0" WIDE X 5'-0" TALL  
FINISH: STAINLESS STEEL  
NOTES: MANUFACTURER OF REFERENCE IS OVERHEAD DOOR COMPANY - MODEL 651, STAINLESS STEEL COUNTER DOOR. FACE OF WALL MOUNT, MANUAL PUSH UP OPERATION WITH INTERIOR SLIDE BOLTS ON THE CONCESSIONS SIDE. ALUMINUM GUIDES TO BE PROVIDED, AND THE HOOD IS TO BE STAINLESS STEEL. VERIFY EXACT DIMENSIONS ON SITE PRIOR TO ORDERING.



DOOR TYPE F

USE: COILING OVERHEAD COUNTER DOOR  
SIZE: 1/2" X 6'-0" WIDE X 5'-0" TALL  
FINISH: STAINLESS STEEL  
NOTES: MANUFACTURER OF REFERENCE IS OVERHEAD DOOR COMPANY - MODEL 651, STAINLESS STEEL COUNTER DOOR. FACE OF WALL MOUNT, MANUAL PUSH UP OPERATION WITH INTERIOR SLIDE BOLTS ON THE CONCESSIONS SIDE. ALUMINUM GUIDES TO BE PROVIDED, AND THE HOOD IS TO BE STAINLESS STEEL. VERIFY EXACT DIMENSIONS ON SITE PRIOR TO ORDERING.



CASED OPENING G

USE: INTERIOR CASED OPENING  
TYPE: WOOD - MATCH EXISTING  
SIZE: 3'-0" X 6'-8"  
FINISH: PAINTED  
THRESHOLD: N/A  
FRAME: INSTALL A NEW WOOD CASED OPENING INTO THE NEW MASONRY OPENING. CASED OPENING TO MATCH THE EXISTING CASED OPENING AS CLOSELY AS POSSIBLE. SEE STRUCTURAL FOR HEADER AND SUPPORT DETAILS.

DOOR NOTES

GENERAL NOTES:

- DOOR HARDWARE & LOCKS ARE TO ALLOW FREE EGRESS FROM THE BUILDING WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.
- ALL DOORS ARE TO BE ADA COMPLIANT INCLUDING BUT NOT LIMITED TO HARDWARE, HARDWARE MOUNTING, OPENING FORCE, AND DOOR THRESHOLDS.
- INTERIOR HINGED DOOR OPENING FORCE REQUIRED TO FULLY OPEN THE DOOR SHALL NOT EXCEED 5 POUNDS MAXIMUM - ADDITIONAL FORCE MAY BE NEEDED TO OVERCOME THE INERTIA OF THE DOOR IN A CLOSED POSITION.
- DOOR CLOSERS SHALL BE ADJUSTED SO AS TO REQUIRE AT MINIMUM 5 SECONDS TO GO FROM A 90 DEGREE OPEN POSITION TO A POSITION OF 12 DEGREES FROM THE LATCH.
- PULLS, LEVERS, PUSH BARS AND LOCKS ARE TO BE MOUNTED BETWEEN 34" AND 48" ABOVE FINISH FLOOR AND ARE TO PROJECT FROM THE FACE OF THE DOOR AT MOST 4".
- HYDRAULIC DOOR CLOSERS MUST BE MOUNTED WITH MINIMUM CLEAR HEIGHT OF 78" ABOVE FINISH FLOOR.
- ALL DOORS OPENING AGAINST A WALL ARE TO HAVE A WALL MOUNTED DOOR STOP INSTALLED. IN WALL BLOCKING IS TO BE PROVIDED AT THE DOOR STOP LOCATION. WHERE A DOOR IS EQUIPPED WITH A HYDRAULIC CLOSER, THE CLOSER WILL BE ACCEPTED AS MEETING THE DOOR STOP REQUIREMENT.
- DOORS IDENTIFIED TO BE CLEAR FINISHED BIRCH VENEER TO BE STAINED WITH STAIN 1 AND AND HAVE TWO SEMIM-GLOSS COATS OF POLYURETHANE (SEALER 1) APPLIED TO SEAL DOOR - SEE FINISH SCHEDULE
- DOORS ARE TO HAVE HARDWARE INCLUDING LEVERS, HINGES, DOOR STOPS, AND LOCKS WITH THE COLOR TO BE BRUSHED NICKEL.
- ALL INTERIOR DOOR GLASS IS TO BE CLEAR, TEMPERED GLASS.
- DOORS ARE TO BE RATED (U-FACTORS, SHGC, AND VT) IN ACCORDANCE WITH NFRC.
- DOORS ARE TO BE LABELED, OR A SIGNED AND DATED CERTIFICATE LISTING U-FACTORS, SHGC, VT, AND AIR LEAKAGE IS TO BE PROVIDED BY MFG.
- THE SITE IS NOT BELIEVED TO BE LOCATED IN A WIND-BORNE DEBRIS REGION, PER ASCE 7-10. MORE INFORMATION IS AVAILABLE AT ATCOUNCIL.ORG/WINDSPEED. GENERAL CONTRACTOR, DOOR SUPPLIER, AND WINDOW SUPPLIER TO CONFIRM PRIOR TO ORDERING. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING
- GENERAL CONTRACTOR, DOOR SUPPLIER, AND WINDOW SUPPLIER TO ENSURE DOORS MEET THE DESIGN PRESSURE (DP) FOR WIND SPEEDS, PER ASTM E1300

INTERIOR SIGNAGE

INTERIOR DOOR SIGNAGE NOTES:  
LOCATE SIGNAGE BASED ON DIAGRAM BELOW TO COMPLY WITH ADA STANDARDS. SIGNS ARE TO BE ADA COMPLIANT, PLASTIC, WHITE TEXT ON BLACK BACKGROUND, TO BE SECURED WITH DOUBLE SIDED FOAM TAPE, INCLUDE RAISED TEXT, AND INCLUDE BRAILLE. MODEL NUMBERS LISTED BELOW ARE FROM COMPLIANCE SIGNS.COM, THOUGH ANOTHER MANUFACTURER/SUPPLIER MAY BE USED.

TACTILE SIGNAGE SHALL COMPLY WITH ICC/ANSI A117.1, AMERICAN NATIONAL STANDARDS FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.

NOTE! SHOULD THE OWNER INSTALL ADDITIONAL ROOM IDENTIFICATION SIGNAGE, THIS SIGNAGE WILL BE REQUIRED TO COMPLY WITH ADA STANDARDS ALSO.

SIGN TYPES:



A HANDICAP ACCESSIBLE RESTROOM - MEN  
RRE-150\_White\_on\_Black

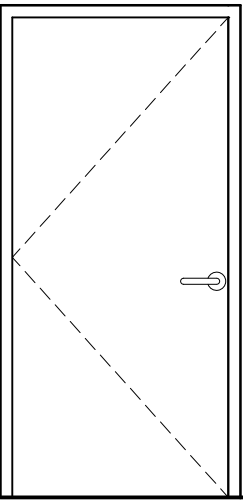


B HANDICAP ACCESSIBLE RESTROOM - WOMEN  
RRE-130\_White\_on\_Black



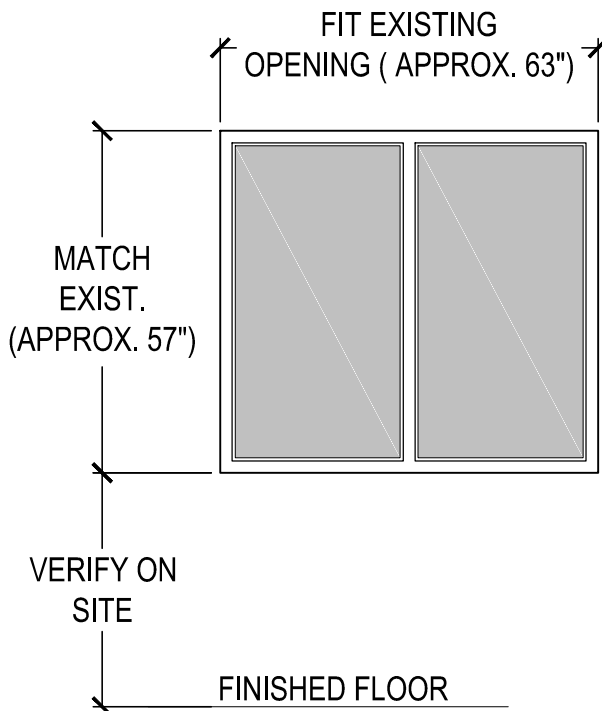
C VERTICAL EXIT SIGN  
RSME-19471\_White\_on\_Black  
8" x 2"

INTERIOR DOOR SIGNAGE MOUNTING DIAGRAM



FOR SIGN TYPES A, B, & C  
LOCATE SIGN ON THE WALL  
ADJACENT TO THE DOOR.  
LOCATE ON THE LATCH SIDE.

WINDOW SCHEDULE



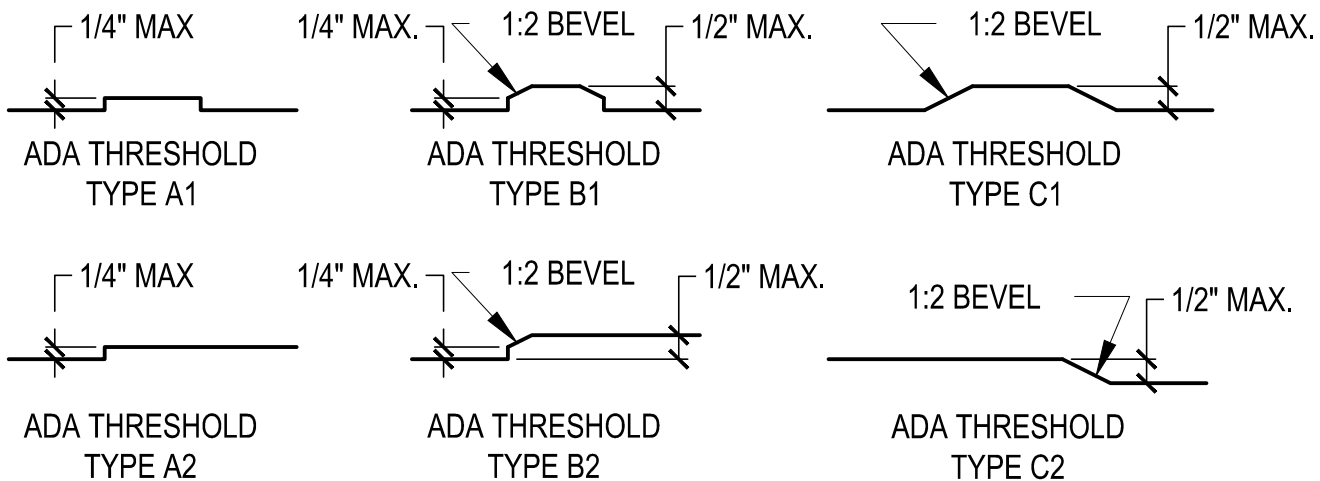
WINDOW TYPE A

TYPE: STOREFRONT  
FINISH: MATCH EXISTING  
GLASS: CLEAR GLASS  
FIRE RATING: NONE  
MAX. U FACTOR: 0.46  
MAX. SHGC: 0.25  
NOTES: STOREFRONT WINDOW TO FIT EXISTING OPENING WHERE DOORS WERE REMOVED. HEIGHT OF WINDOW AND SILL HEIGHT TO MATCH ADJACENT WINDOWS ON EITHER SIDE. CONSULT ARCHITECT WITH ANY QUESTIONS.

- GENERAL NOTES:
- WHERE APPLICABLE, ALL GLASS IS TO BE TEMPERED GLASS.
  - GENERAL CONTRACTOR TO PROVIDE A PHYSICAL WINDOW SAMPLE FOR OWNER'S APPROVAL PRIOR TO ORDERING.
  - PROJECT IS NOT LOCATED IN A WIND-BORNE DEBRIS REGION
  - GENERAL CONTRACTOR AND WINDOW SUPPLIER TO ENSURE WINDOWS MEET THE DESIGN PRESSURE (DP) FOR WIND SPEEDS, PER IBC AND ASTM E1300
  - SEE DETAIL 4/A6.0 FOR INFILL AROUND NEW WINDOW

FLOOR FINISH TRANSITIONS

FLOOR FINISH GENERAL NOTES:  
ALL FLOOR FINISH TRANSITIONS ARE TO BE ADA COMPLIANT. MAXIMUM VERTICAL THRESHOLD IS 1/4". UP TO A 1/2" THRESHOLD IS ALLOWED IF THE EDGE OF THE THRESHOLD HAS A 1:2 BEVEL. A MAXIMUM HEIGHT DIFFERENCE OF 1/2" IS ALLOWED BETWEEN ADJACENT FLOOR FINISHES WHEN A 1:2 BEVEL IS PROVIDED.



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Project #:  
22-43

Design By:  
JBP & JHF

Project Date:  
6-23-23

Revisions:

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DOOR, WINDOW, SIGNAGE, AND  
TRANSITION SCHEDULE

STATE OF ALABAMA  
MONTGOMERY  
JOHN H. FOSHEE  
7002  
ALABAMA  
REGISTERED ARCHITECT

A4.3

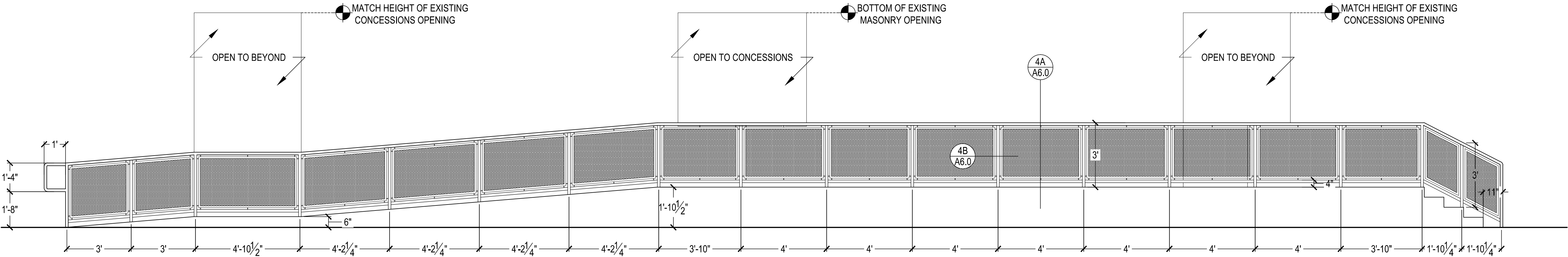
Sheet Number





- PAINT 6 - (CEILING)  
CEILING TO BE SCRAPED AND WIRE BRUSHED TO REMOVE ALL FLAKING PAINT. CLEAN AND PREP CEILING THOROUGHLY PRIOR TO APPLYING NEW PAINT. PAINT THE WOOD DECKING, EXPOSED JOISTS, AND ALL WOOD MEMBERS SPANNING BETWEEN TRUSSES.
- NO PAINT! EXISTING "WHITE-WASHED" MASONRY WALLS TO REMAIN ABOVE NEW HORIZONTAL STRIPE.
- PAINT 8 & PAINT 9 - (HORIZONTAL STRIPE)  
WALLS TO BE SCRAPED AND WIRE BRUSHED TO REMOVE ALL FLAKING PAINT. CLEAN AND PREP WALLS THOROUGHLY PRIOR TO APPLYING NEW PAINT. PAINT A WIDE STRIPE ALONG MASONRY WALLS WITH "BREATHABLE" PAINT (PAINT 8) TO ENSURE NO MOISTURE IS TRAPPED IN WALLS. ABOVE AND BELOW GOLD STRIPE, PAINT A 2" TALL BLACK (PAINT 9) STRIPE. ALIGN BOTTOM BLACK STRIP WITH HEAD OF WINDOWS. ALIGN TOP OF BLACK STRIPE WITH BOTTOM CHORD OF TRUSS.
- PAINT 10 - (COLUMNS AND TRUSSES)  
COLUMNS AND TRUSSES TO BE SCRAPED AND WIRE BRUSHED TO REMOVE ALL FLAKING PAINT. CLEAN AND PREP THOROUGHLY PRIOR TO APPLYING NEW PAINT. COLUMNS AND TRUSSES TO BE PAINTED, INCLUDING ALL DIAGONAL TRUSS MEMBERS. WOOD MEMBERS SPANNING BETWEEN TRUSSES TO BE PAINTED THE CEILING COLOR (PAINT 6).
- PAINT 7 - (MASONRY WALLS)  
WALLS TO BE SCRAPED AND WIRE BRUSHED TO REMOVE ALL FLAKING PAINT. CLEAN AND PREP WALLS THOROUGHLY PRIOR TO APPLYING NEW PAINT. PAINT MASONRY WALLS WITH "BREATHABLE" PAINT TO ENSURE NO MOISTURE IS TRAPPED IN WALLS.
- NOTE: TWO WINDOWS TO BE INFILLED WITH BRICK. SEE STRUCTURAL DRAWINGS!

1 GYMNASIUM - ROOM #14  
SCALE: 3/8" = 1'-0"



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

f

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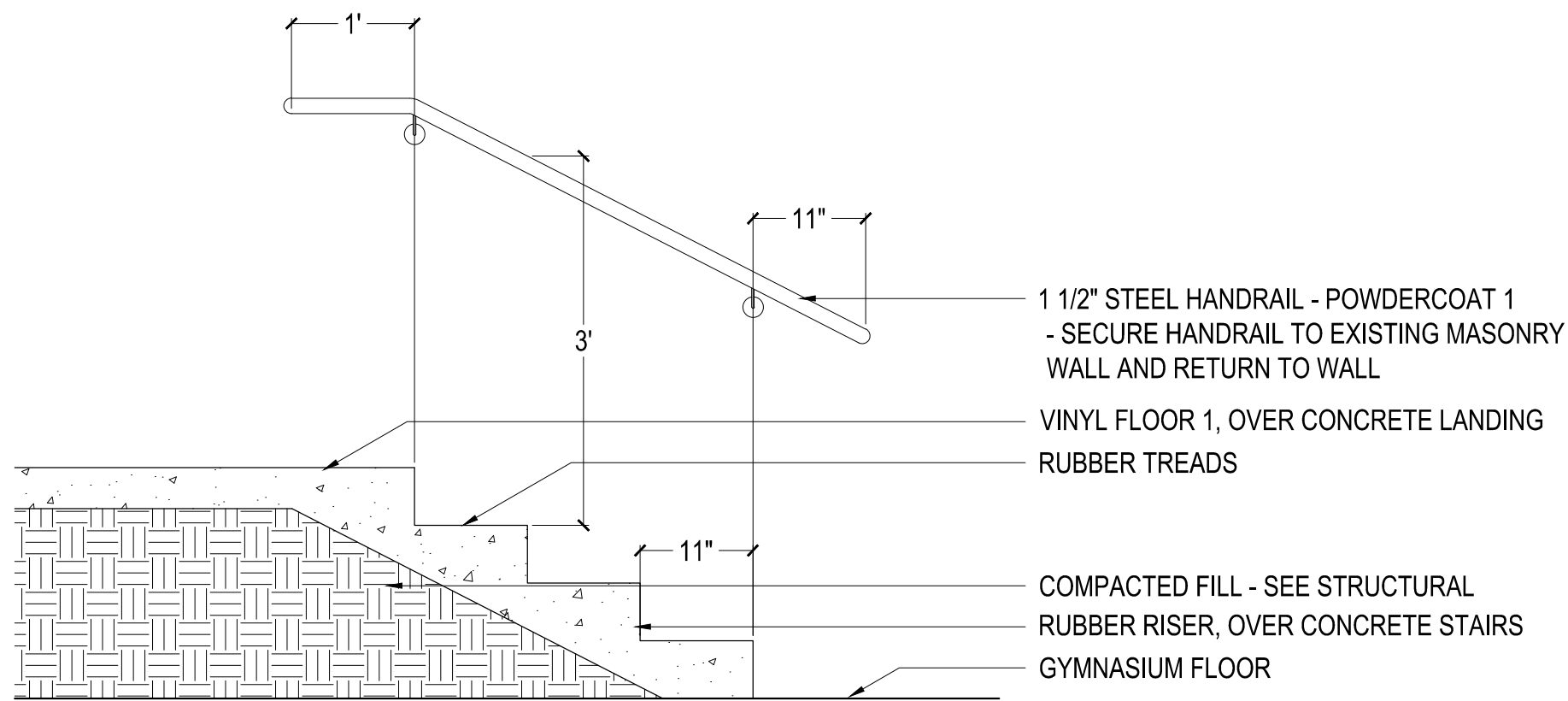
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GYMNASIUM PAINT  
COLORS & RAMP  
ELEVATION

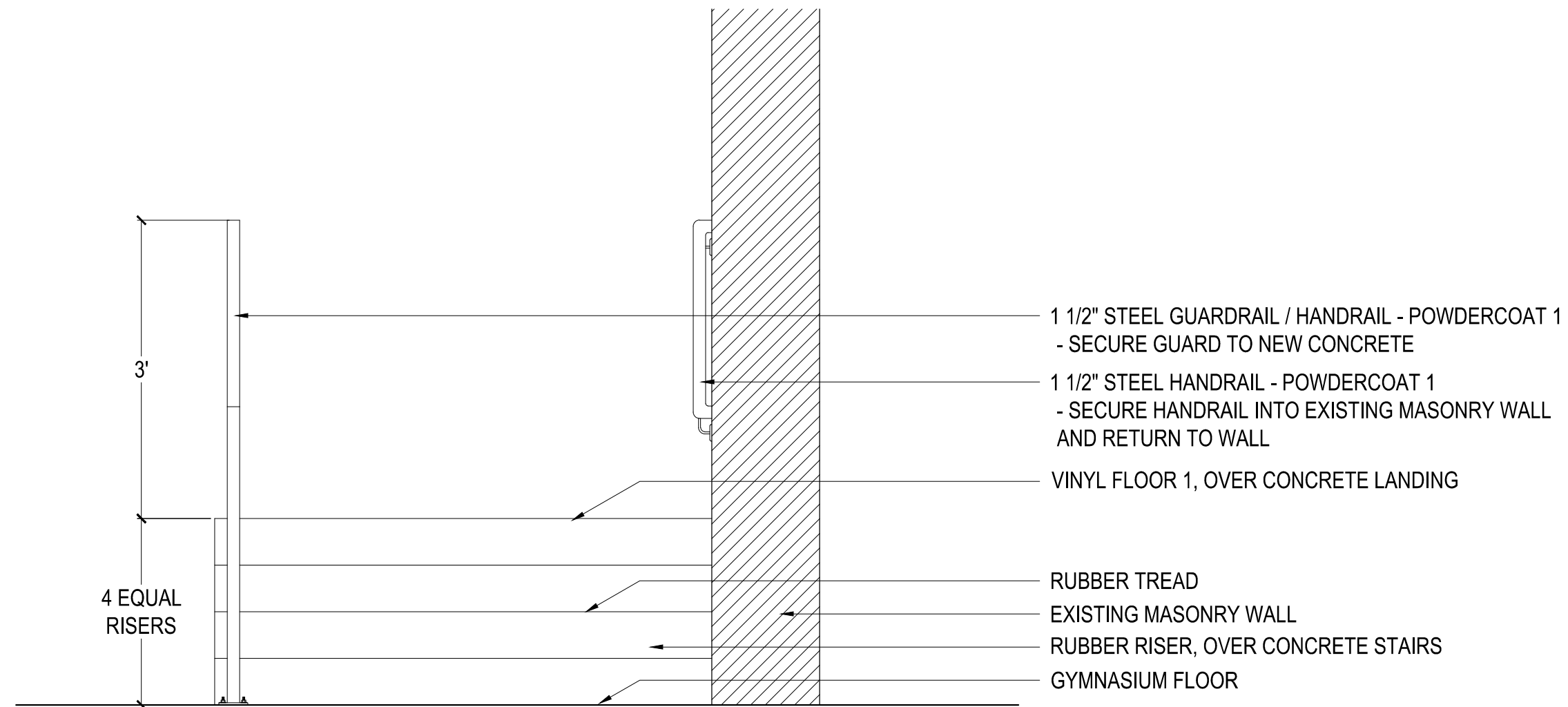
STATE OF ALABAMA  
MONTGOMERY  
JOHN H. FOSHEE  
7002  
ALABAMA  
REGISTERED ARCHITECT

A4.4  
Sheet Number

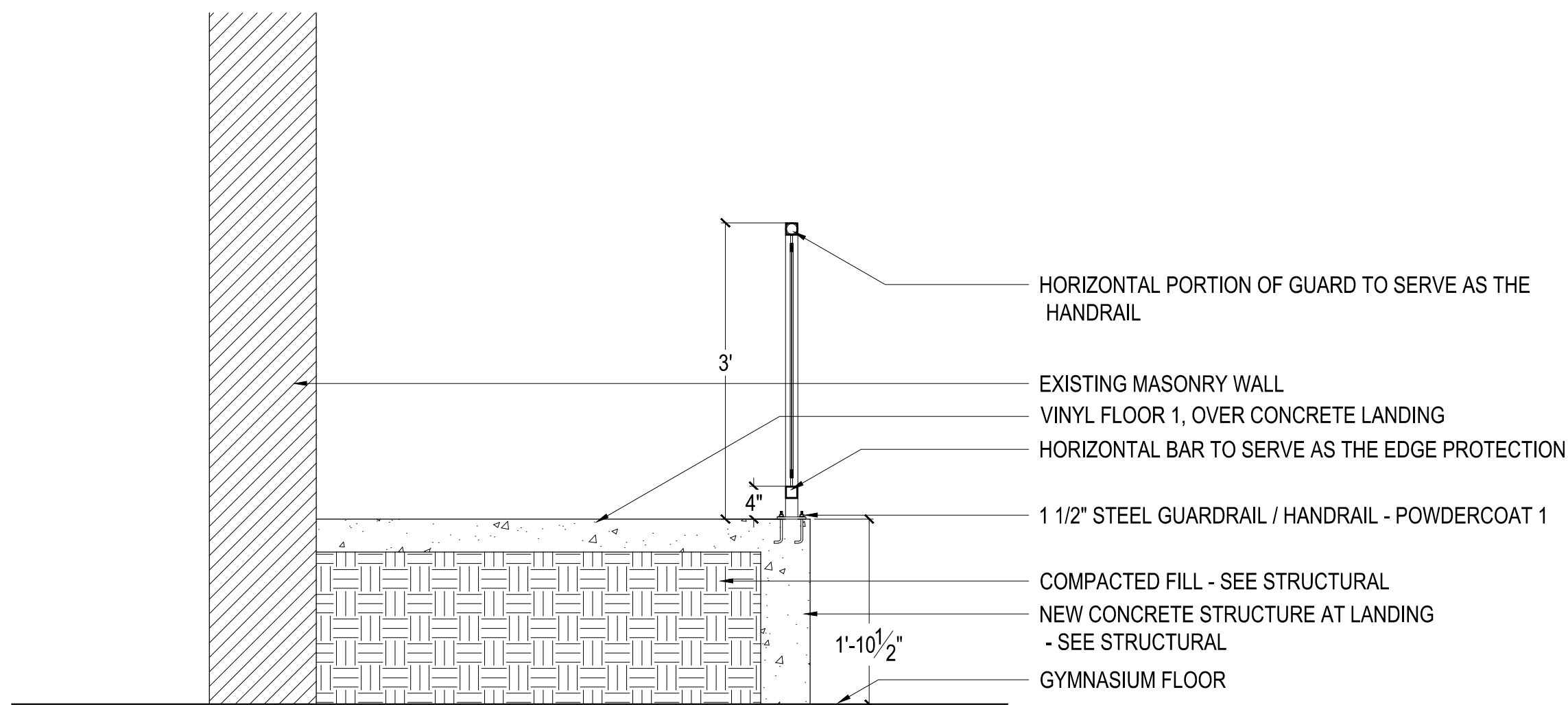




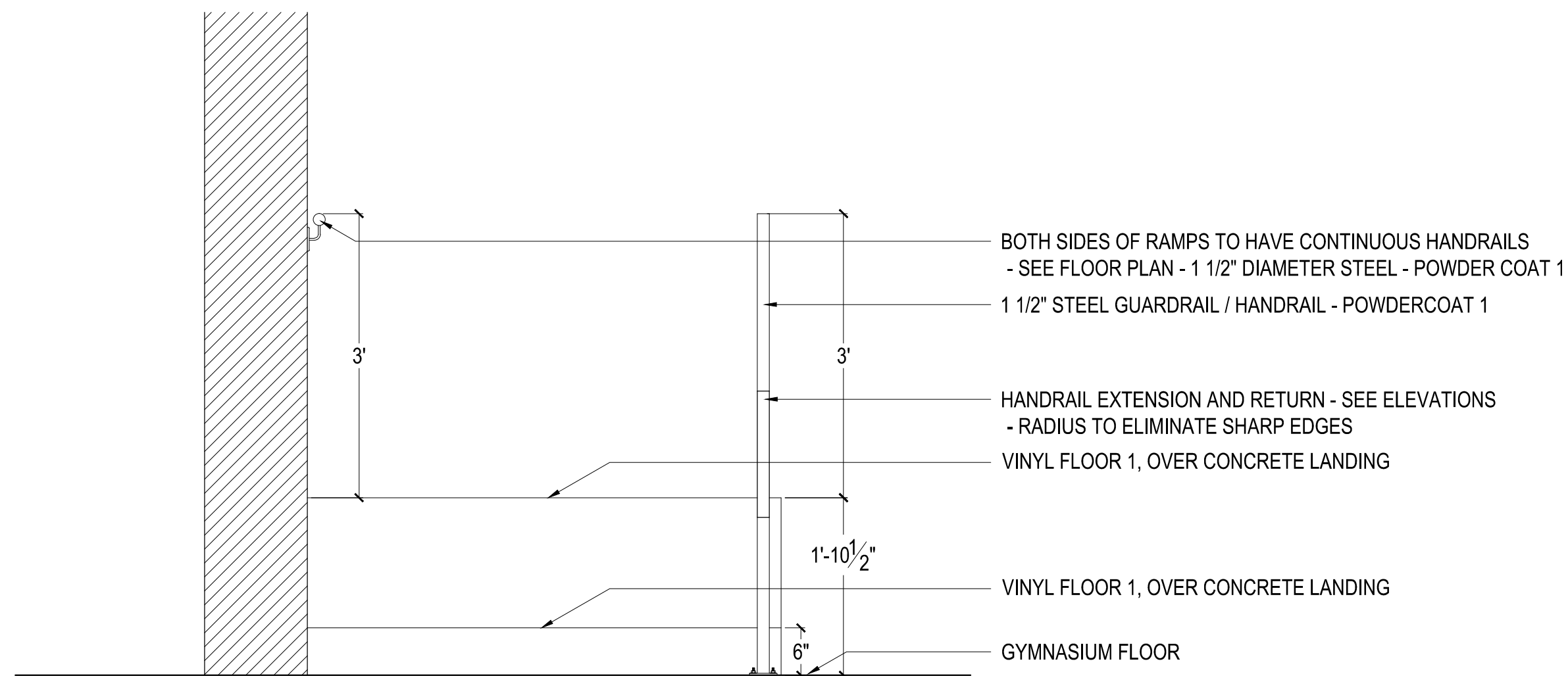
**1 STAIR SECTION**  
SCALE: 3/4" = 1'-0"



**2 STAIR ELEVATION**  
SCALE: 3/4" = 1'-0"

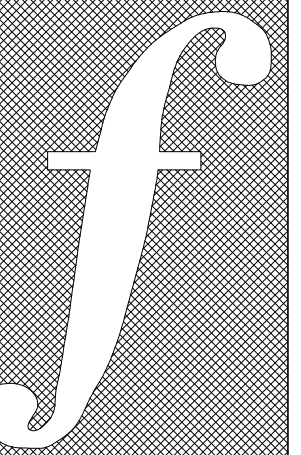


**3 LANDING SECTION**  
SCALE: 3/4" = 1'-0"



**4 RAMP ELEVATION**  
SCALE: 3/4" = 1'-0"

- CONCRETE RAMP AND STAIR NOTES:**
- HANDRAILS TO BE CONTINUOUS AND RETURN TO THE WALL OR GUARD.
  - ALL RAILING TO BE POWDER COAT 1
  - HANDRAILS TO BE 1 1/2" IN DIAMETER AND THERE IS TO BE 1 1/2" OF CLEAR SPACE BETWEEN THE WALL AND HANDRAIL.



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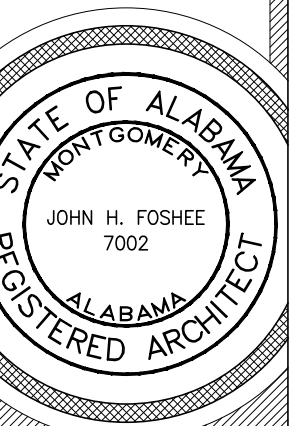
Design By:  
**JBP & JHF**

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Revisions:

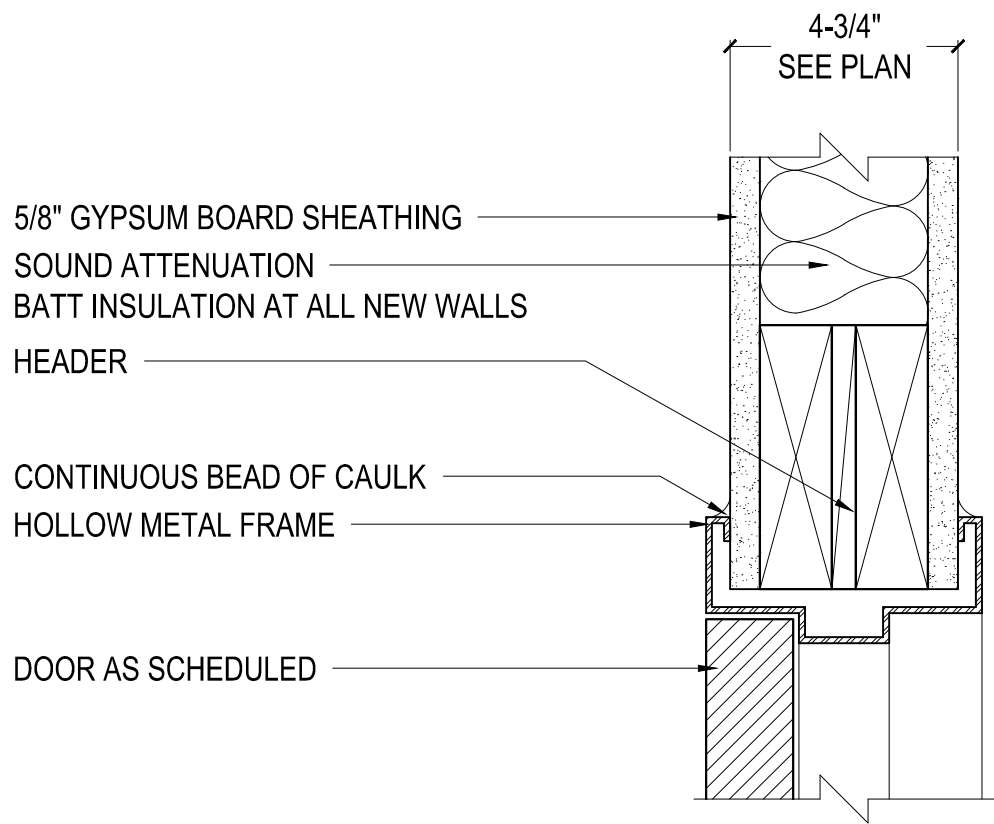
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**DETAILS**

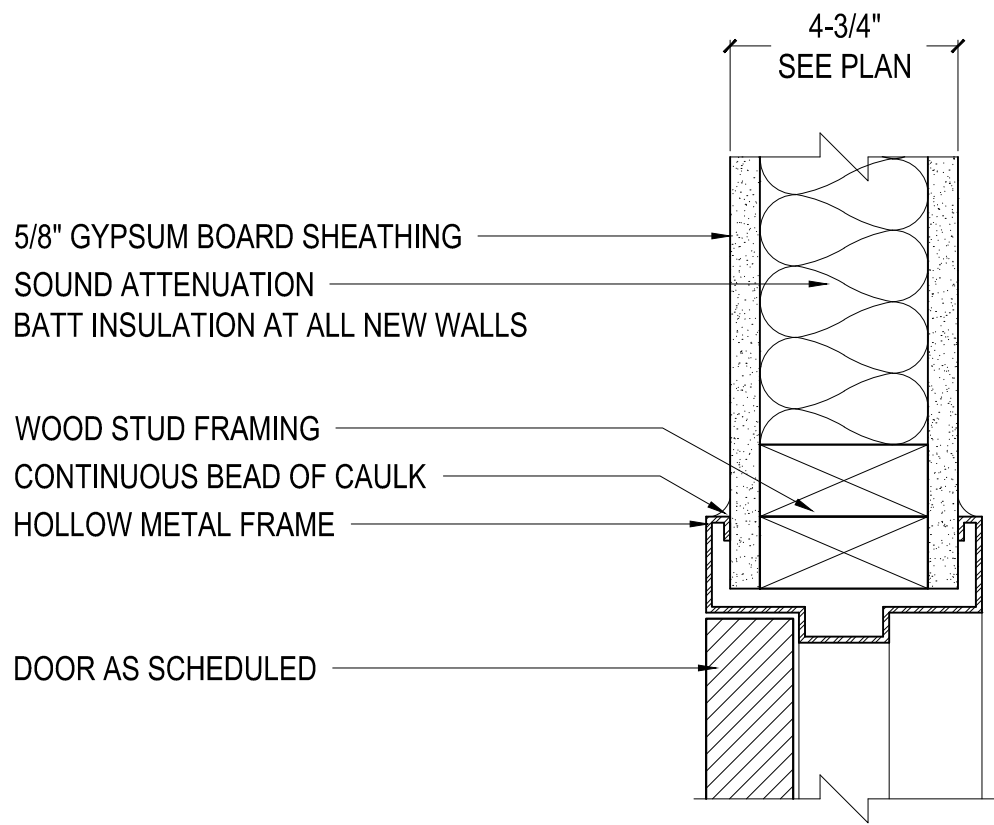


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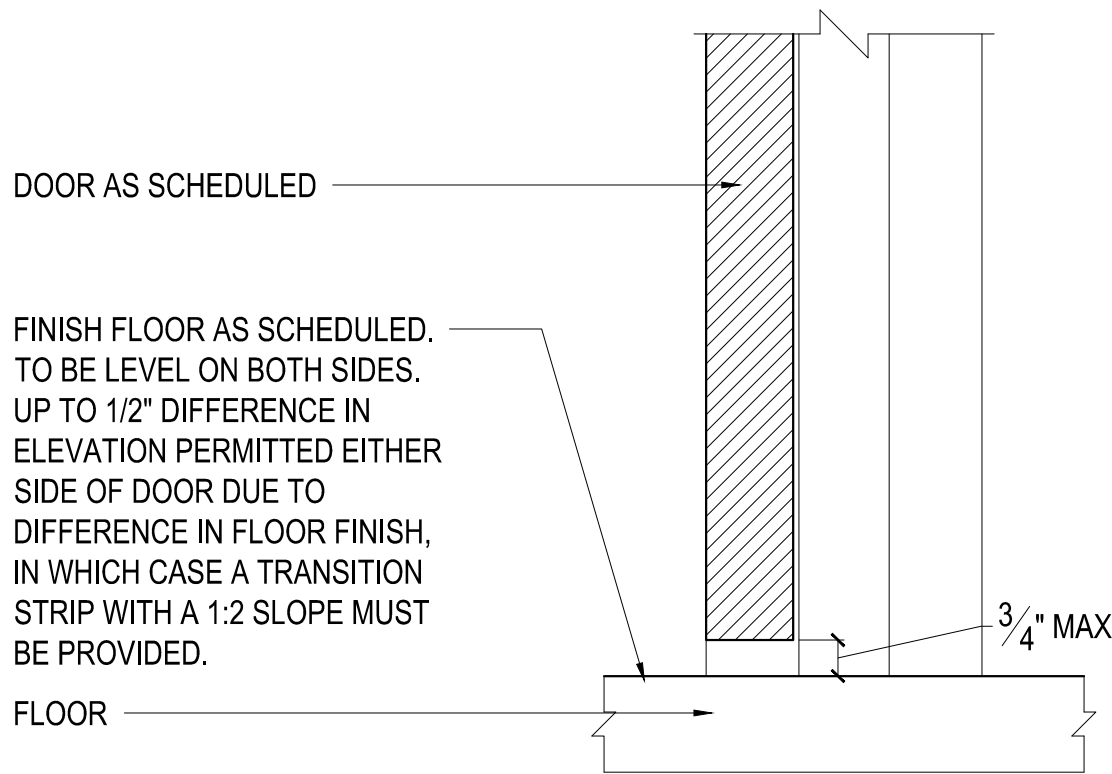
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DOOR HEAD DETAIL

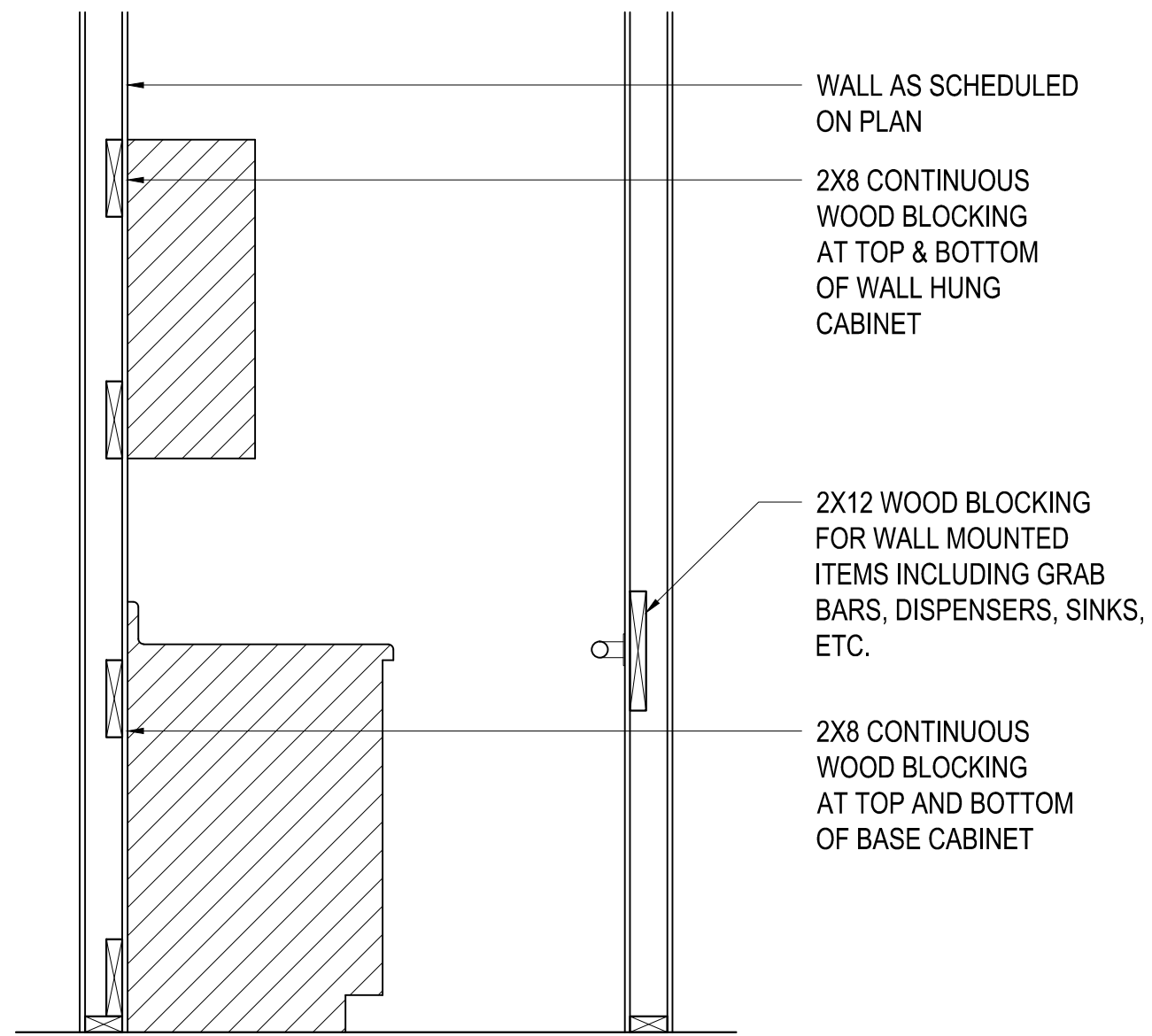


DOOR JAMB DETAIL



DOOR SILL DETAIL

1 INTERIOR DOOR DETAILS  
SCALE: 3" = 1'-0"



2 WALL BLOCKING DETAIL  
NOT TO SCALE

GENERAL NOTE: USE WALL PENETRATIONS WITH AN INTEGRAL FLANGE. IF THE PENETRATION DOES NOT HAVE AN INTEGRAL FLANGE, USE A FLASHING PRODUCT SUCH AS QUICKFLASH WHICH IS DESIGNED TO CREATE FLASHING AROUND PENETRATIONS WITHOUT AN INTEGRAL FLANGE. THIS DETAIL ASSUMES PENETRATION FLASHING IS INSTALLED AFTER WRB.

STEP 1: INSTALL WATER RESISTIVE BARRIER PER WRB MFG. INSTRUCTIONS.

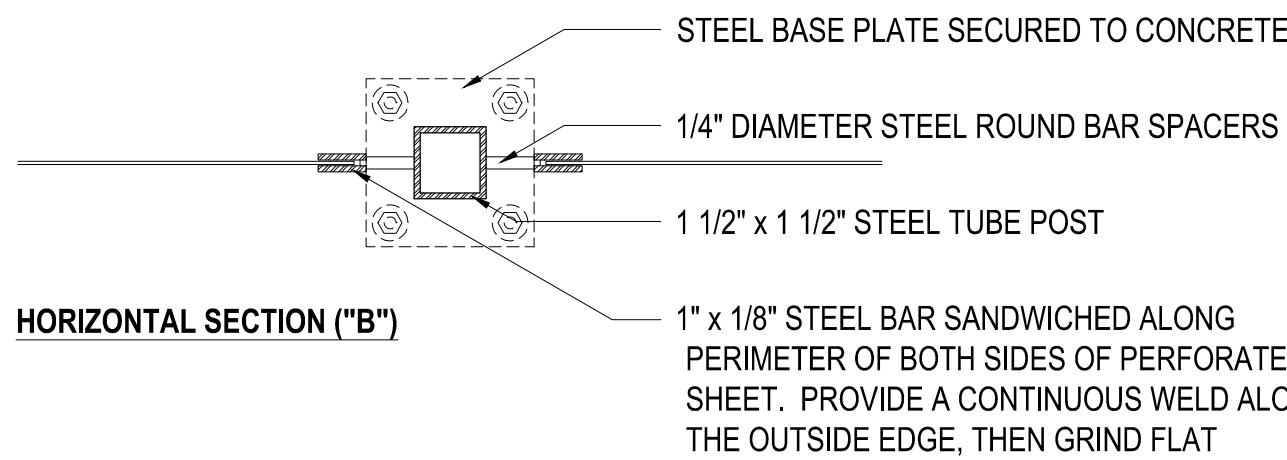
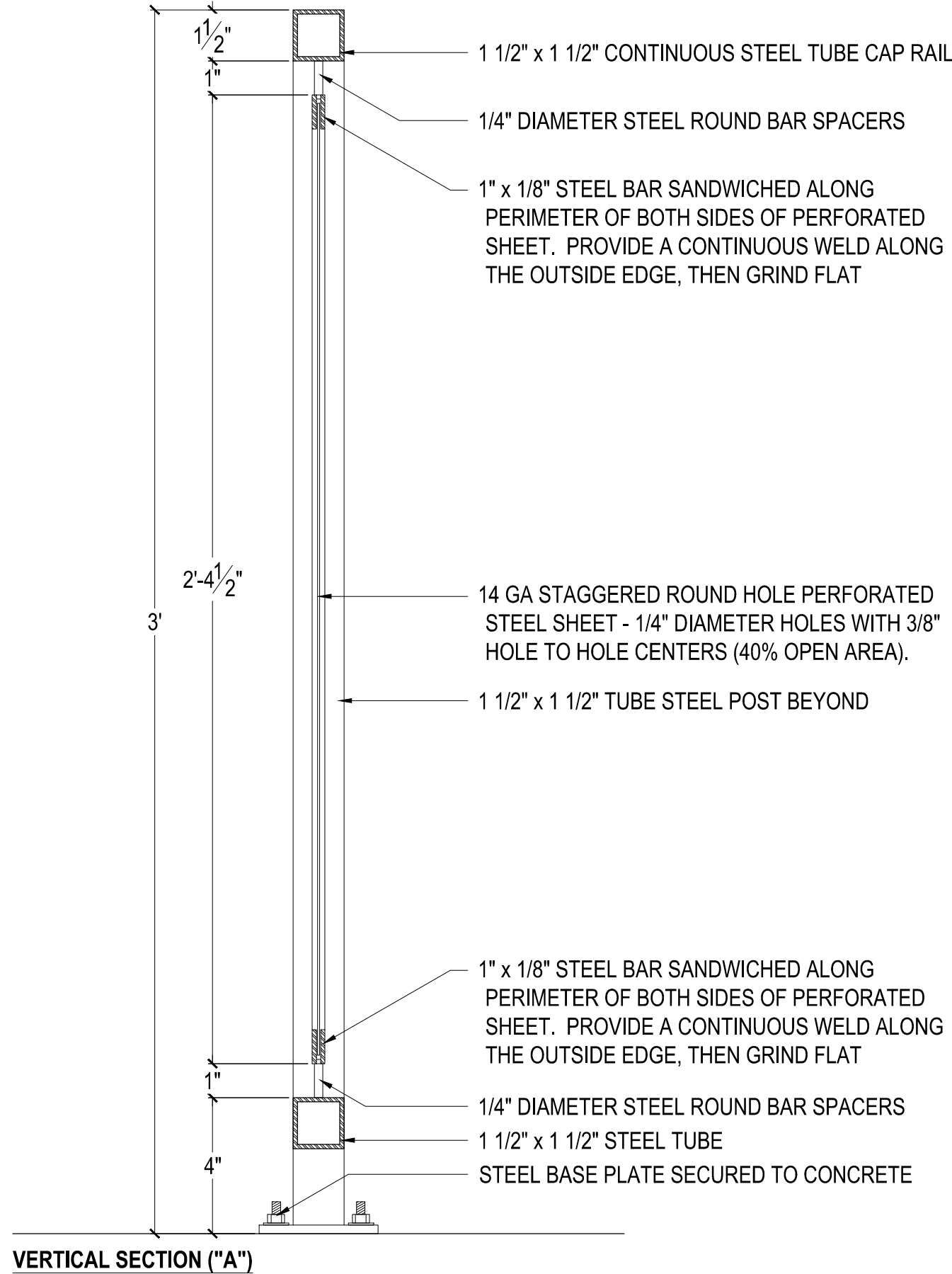
STEP 2: CUT A SLIT ABOVE THE PENETRATION EQUAL TO THE FLANGE PLUS 1/4" ON BOTH SIDES.

STEP 3: SLIDE THE PENETRATION FLASHING OVER THE PENETRATION. EXTEND THE TOP FLANGE UNDER THE WRB. THE BOTTOM AND SIDE FLANGES SIT ON TOP OF THE WRB. IT IS CRITICAL THAT THE WRB EXTEND UNDER THE BOTTOM FLANGE.

STEP 4: INSTALL SELF ADHERING FLASHING ON THE VERTICAL SIDE FLANGES TO CREATE A SEAL BETWEEN FLANGE AND WRB (DO NOT INSTALL BOTTOM)

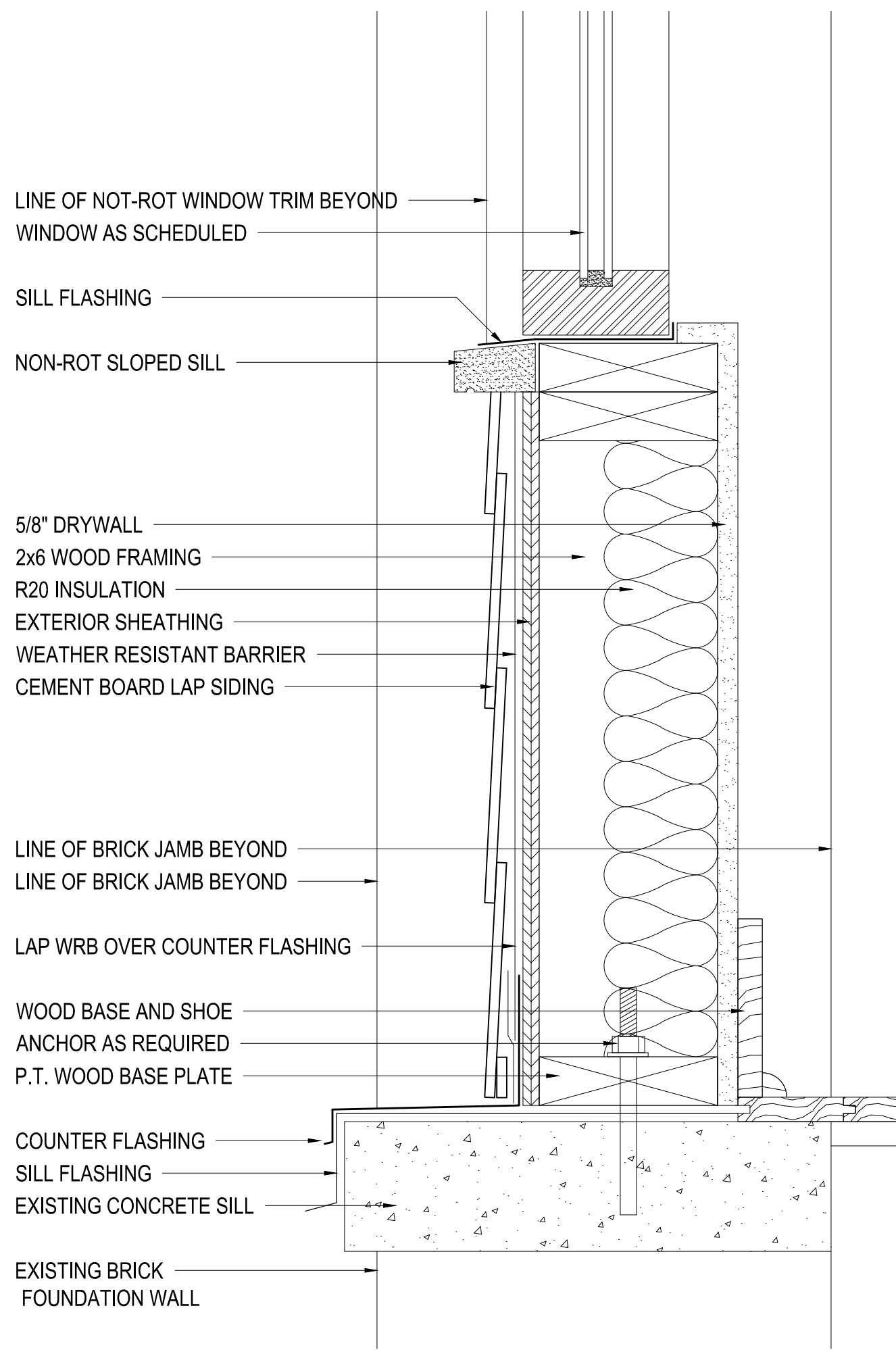
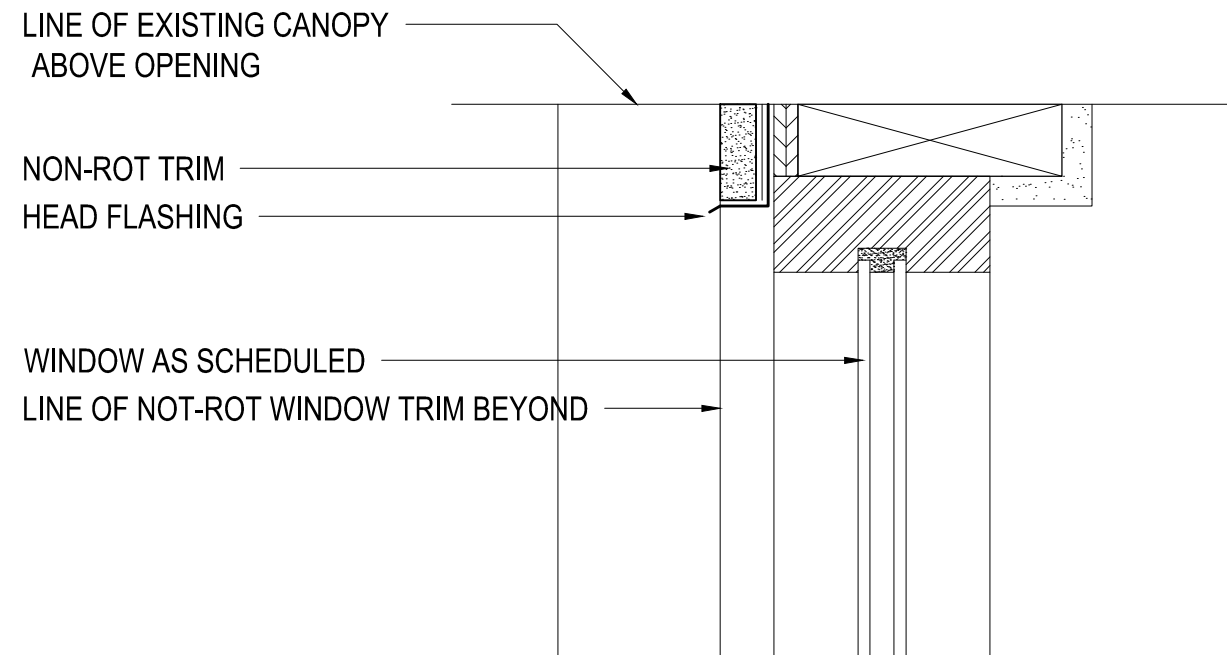
STEP 5: INSTALL SELF ADHERING FLASHING OVER THE SEAM BETWEEN THE WRB AND THE TOP HORIZONTAL FLANGE, BEING SURE TO EXTEND OVER THE TOP EDGE OF THE VERTICAL SELF ADHERING FLASHING.

4 TYPICAL DETAIL AT WRB PENETRATIONS  
NOT TO SCALE



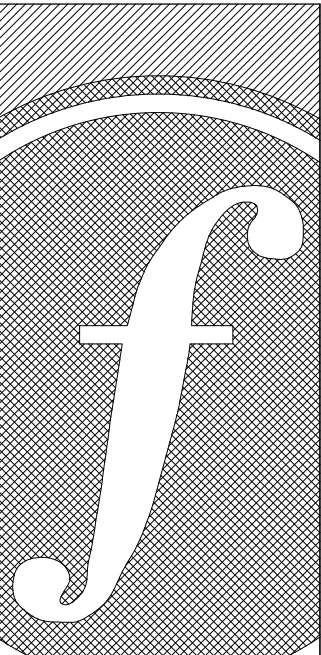
NOTES:  
ALL COMPONENTS OF STEEL RAILING TO BE POWDER COAT 1. A SAMPLE MOCKUP OF STEEL RAIL TO BE FABRICATED AND APPROVED BY THE OWNER AND ARCHITECT PRIOR TO ORDERING COMPONENTS OR BEGINNING FABRICATION OF FINAL RAILING.

4 RAIL DETAILS  
SCALE: 3" = 1'-0"



NOTE:  
GENERAL CONTRACTOR TO INFILL EXISTING BRICK OPENING AND INSTALL WINDOW AS SCHEDULED. ALL NON-ROT TRIM AND CEMENT BOARD SIDING TO BE PAINTED TO MATCH EXISTING. ENSURE WATERTIGHT CONSTRUCTION. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING WITH WORK.

5 NEW EXTERIOR WINDOW DETAIL  
SCALE: 3" = 1'-0"

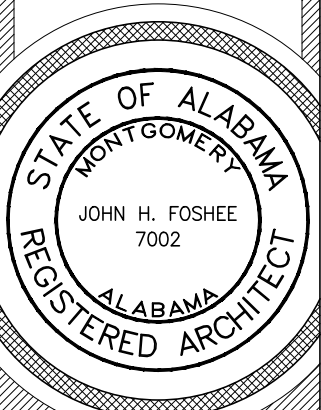


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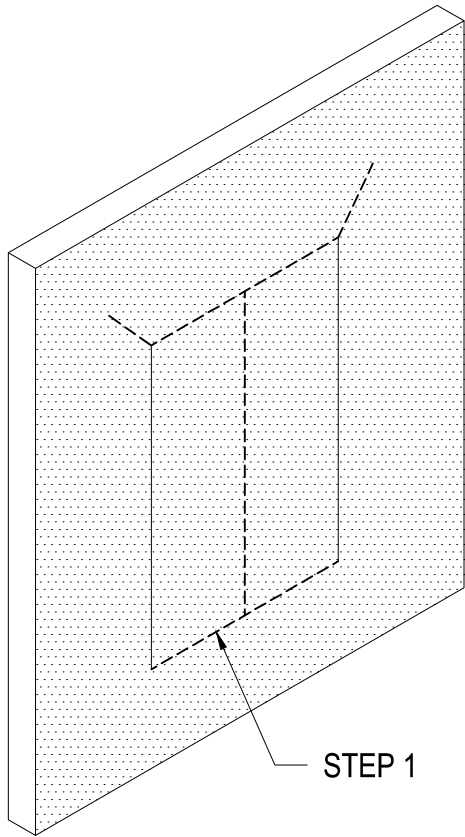
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DETAILS

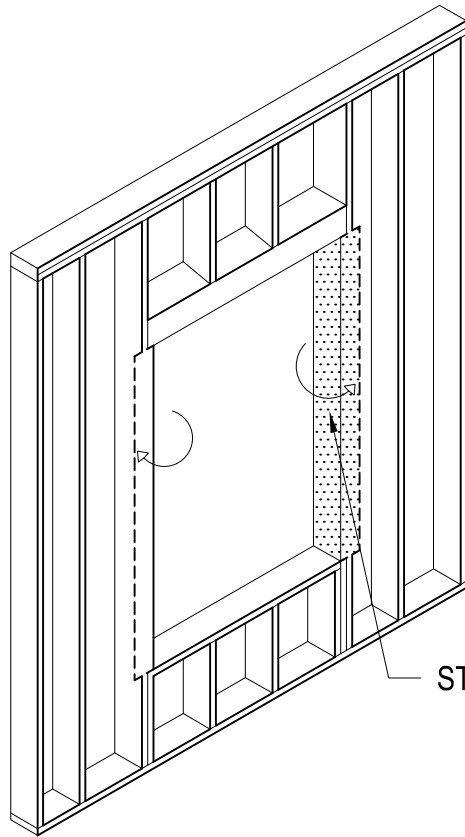


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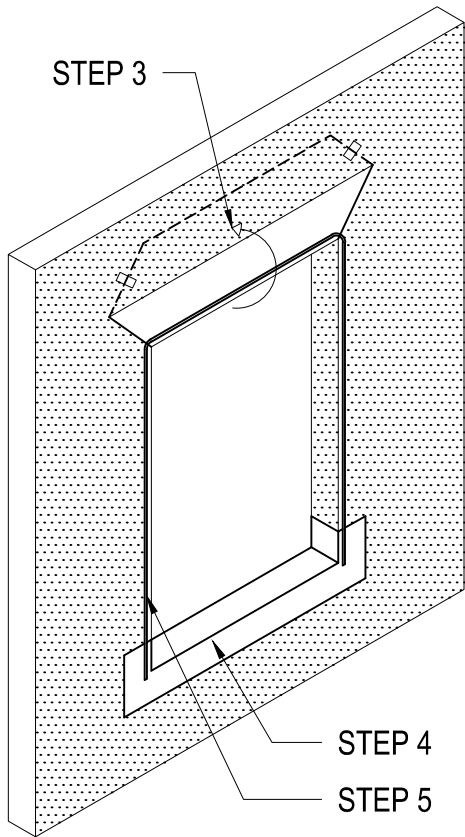




VIEW FROM OUTSIDE  
STEP 1: CUT AN "I" OPENING IN THE WATER RESISTIVE BARRIER (WRB). CUT 8" 45 DEGREE DIAGONAL CUTS IN THE WRB AT THE TOP CORNERS.



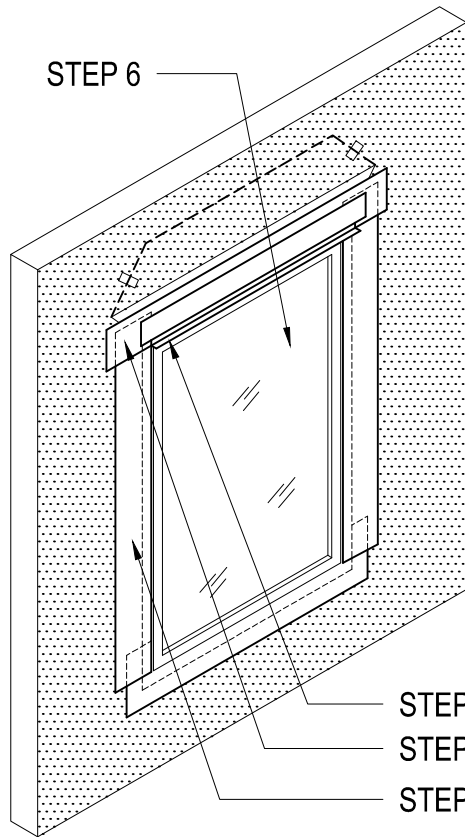
VIEW FROM INSIDE  
STEP 2: FOLD THE WRB INTO THE OPENING AND SECURE TO THE INSIDE FACE OF THE JAMB FRAMING. CUT OFF EXCESS WRB.



VIEW FROM OUTSIDE  
STEP 3: FOLD TOP FLAP OF WRB UP. TEMPORARILY SECURE IN PLACE WITH TAPE.

STEP 4: INSTALL SELF ADHERED FLASHING AT WINDOW SILL. EXTEND OVER WRB AND WRAP UP THE SIDES OF THE JAMB A MIN. 6".

STEP5: INSTALL A CONTINUOUS BEAD OF CAULK AROUND THE JAMB AND HEAD OF THE OPENING WHERE THE WINDOW FLANGE WILL SET. DO NOT INSTALL CAULK AT THE WINDOW SILL - DOING SO WOULD TRAP WATER.

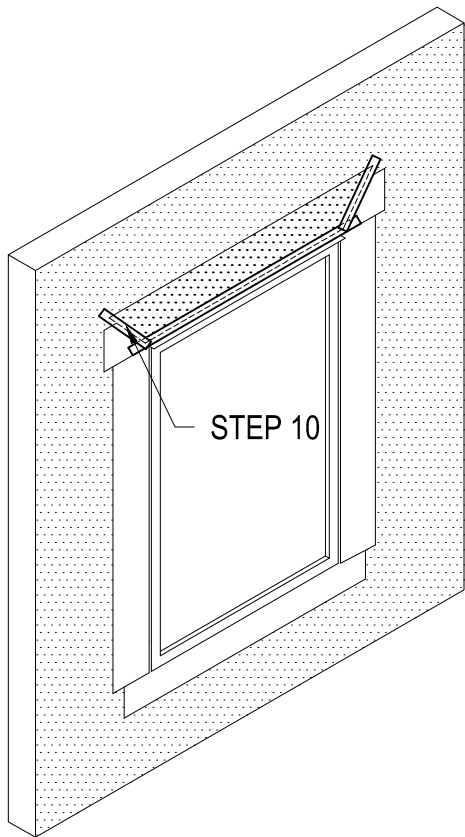


VIEW FROM OUTSIDE  
STEP 6: SET WINDOW IN PLACE AND SECURE PER MFG. INSTRUCTIONS.

STEP 7: INSTALL SELF-ADHERED FLASHING OVER THE VERTICAL FLANGES OF THE WINDOW AND THE FACE OF THE WRB. LAP OVER EDGE OF SILL FLASHING A MIN OF 2".

STEP 8: INSTALL SELF-ADHERED FLASHING OVER THE TOP, HORIZONTAL FLANGE OF THE WINDOW AND THE FACE OF STRUCTURAL SHEATHING. LAP OVER EDGE OF JAMB FLASHING A MINIMUM OF 2".

STEP 9:  
INSTALL DRIP CAP FLASHING. SECURE IN PLACE WITH SELF ADHERED FLASHING.

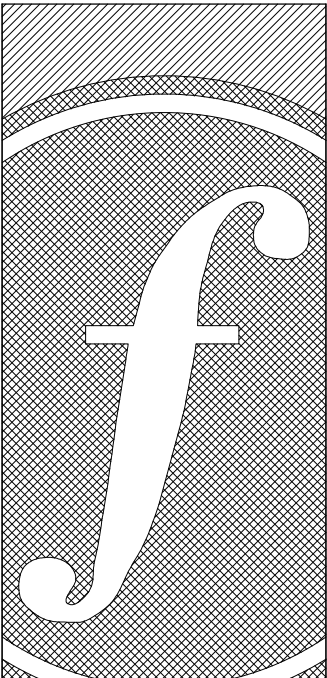


VIEW FROM OUTSIDE  
STEP 10: FOLD WRB FLAP DOWN. CUT OFF 1" STRIP OF WRB FROM BOTTOM OF FLAP. SECURE BOTTOM EDGE OF FLAP WITH A STRIP OF SELF-ADHERED FLASHING. INSTALL SELF ADHERED FLASHING OVER DIAGONAL CUTS.

GENERAL NOTE: THIS STANDARD DETAIL IS BASED ON TYVEK BRAND WRB FLASHING INSTRUCTIONS FOR A FLANGED WINDOW INSTALLED AFTER WRB. FOLLOW SELECTED WRB AND WINDOW MFG. INSTALLATION INSTRUCTIONS.

# 1 FLANGED WINDOW FLASHING (WRB)

NOT TO SCALE

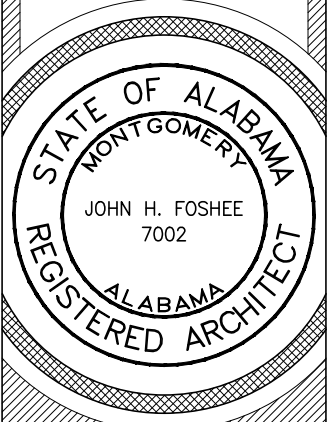


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DETAILS



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Sheet Number



MECHANICAL SPECIFICATIONS/GENERAL NOTES										MECHANICAL SPECIFICATIONS/GENERAL NOTES (CONT'D)									
<div>1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE ENFORCED INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL ENERGY CONSERVATION CODE (IEEC) OR ASHRAE 90.1, ANY STATE-ADOPTED ENERGY CODE, NFPA 90A, 101, AND ALL OTHER APPLICABLE CODES (INCLUDING AMENDMENTS) AND ORDINANCES. REFER TO RESPECTIVE BUILDING DEPARTMENT/AHJ FOR ALL ENFORCEABLE CODES.</div> <div>2. THE BASIS-OF-DESIGN INDICATED ON ALL SCHEDULES CONTAINED ON THESE DRAWINGS INDICATES MINIMUM QUALITY AND CONSTRUCTION STANDARDS. ALTERNATE MANUFACTURERS MAY BE USED AS LONG AS THE EQUIPMENT/DEVICE MEETS OR EXCEEDS THE QUALITY &amp; INTENT OF THE BASIS-OF-DESIGN, AND ARE ACCEPTABLE TO THE ENGINEER AND OWNER.</div> <div>3. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. PROVIDE ANY AND ALL WORK FOR A COMPLETE MECHANICAL SYSTEM INCLUDING EQUIPMENT, DUCTWORK, PIPING, SUPPORTS, APPURTANCES AND CONTROLS WITHOUT INCURRING ADDITIONAL COST TO THE CONTRACT. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING, OR PROVIDE OTHER SOLUTIONS AS REQUIRED, WHILE REMAINING CODE COMPLIANT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF BUILDING ELEMENT AND STRUCTURE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING-MOUNTED DEVICES.</div> <div>4. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLANS &amp; SPECIFICATIONS IF REQUIRED BY THE AHJ.</div> <div>5. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. BY SUBMITTING A BID, THIS CONTRACTOR VERIFIES THAT EXISTING CONDITIONS HAVE BEEN VERIFIED.</div> <div>6. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.</div> <div>7. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS.</div> <div>8. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.</div> <div>9. NEW OR EXISTING DAMAGED BUILDING COMPONENTS (CEILING GRID OR TILES, WALLS &amp; CEILINGS, LIGHT FIXTURES, ETC.) SHALL BE REPLACED TO AT LEAST THE QUALITY OF THE DAMAGED ITEM OR SURROUNDING AREA.</div> <div>10. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE BY OWNER. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED FIVE (5)-YEAR MANUFACTURER'S WARRANTY. IF EQUIPMENT SCHEDULES OR SPECIFICATIONS CALL OUT OTHERWISE, THOSE SCHEDULES/SPECIFICATIONS SHALL GOVERN.</div> <div>11. DUCTWORK: SUPPLY, RETURN, EXHAUST, TRANSFER &amp; OUTSIDE AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINT AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER, UL LISTED 181A OR 181B FOR TAPES AND MASTICS. DO NOT USE DUCT TAPE OR DUCTBOARD.</div> <div>12. DUCT AND EQUIPMENT SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING SUSPENSION. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS. ALL EXHAUST DUCT UNDER A NEGATIVE PRESSURE AND ALL RETURN DUCT LOCATED IN CEILING PLENUMS SHALL BE CONSTRUCTED TO A MINIMUM PRESSURE CLASS OF NEGATIVE 1/2" AND ALL JOINT SHALL BE SEALED TO A SEAL CLASS OF "C" AS DEFINED BY SMACNA. SUPPLY (CONDITIONED AIR) DUCT SHALL BE CONSTRUCTED TO A PRESSURE CLASSIFICATION OF 1" AND SEALED TO A CLASS "C".</div> <div>13. ALL BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE DIFFUSERS UNLESS NOTED OTHERWISE. FLEXIBLE DUCT IS NOT TO BE USED IN LIEU OF HARD ROUND DUCT EXCEPT AS INDICATED ON THE DRAWINGS.</div> <div>14. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE TO ACCOMMODATE ANY LINER (INTERNALLY-INSULATED). ROUND OR RECTANGULAR DUCT MAY BE USED INTERCHANGEABLY IN CONCEALED AREAS AS LONG AS THE STATIC PRESSURE IN THE DUCT IS NOT INCREASED. PERMISSION SHALL BE OBTAINED PRIOR TO REVISIONS OF ANY KIND TO EXPOSED DUCT.</div> <div>15. USE SMOOTH RADIUS ELBOWS ON ALL SUPPLY, RETURN, EXHAUST, RELIEF &amp; OUTSIDE AIR DUCTS. DO NOT USE MITERED ELBOWS WITH TURNING VANES UNLESS OTHERWISE NOTED OR SHOWN.</div> <div>16. COORDINATE DUCTWORK AND PIPING WITH STRUCTURAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS. IN ADDITION TO OFFSETS SHOWN, MAKE OFFSETS AND TRANSITIONS AS REQUIRED. MAINTAIN TOP OF DUCTWORK LEVEL AND AS HIGH TO ROOF/STRUCTURE AS POSSIBLE. COORDINATE THROUGHOUT, ESPECIALLY AT DEEP STRUCTURAL MEMBERS.</div> <div>17. FLEXIBLE DUCTWORK SHALL BE THE INSULATED TYPE (AS REQUIRED BY CODE) CLASS I AIR DUCT, UL 181 LISTED, THERMAFLEX OR EQUAL. DUCT SHALL BE SIZED AT 0.08"/100 FT STATIC PRESSURE DROP WHERE A SIZE IS NOT NOTED ON DRAWINGS. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN TRUNKS WITH SPIN-IN FITTINGS WITH BALANCING DAMPERS. <b>FLEXIBLE DUCTWORK SHALL NOT EXCEED 6'-0" FOR ANY RUN.</b></div> <div>18. DUCT INSULATION, FIBERGLASS DUCT WRAP, WITH FOIL FACED VAPOR BARRIER INSULATION SHALL BE U.L. LISTED. PROVIDE R-6 MINIMUM (HIGHER IF REQUIRED PER ENERGY CODE) INSULATION BY JOHNS MANVILLE, OWENS CORNING, OR EQUAL. IF DUCTWORK SUPPORT STRAPS ARE ATTACHED TO THE DUCT, THEN LOCATE STRAPS INSIDE THE INSULATION AND SEAL WITH MASTIC AT PUNCTURE. ALL PUNCTURES (STAPLES) AND PENETRATIONS OF FOIL FOL VAPOR BARRIER SHALL BE SEALED AIRTIGHT WITH FOIL TAPE AND/OR MASTIC. MASTIC MUST BE APPLIED THICK ENOUGH TO COMPLETELY COVER STAPLES. PERIMETER JOINT SHALL BE FORMED SUCH THAT THE INSULATION ON THE TOP OF THE DUCT OVERLAPS THE INSULATION ON THE SIDES AND THE SIDES OVERLAP THE BOTTOM. DO NOT COMPRESS THE INSULATION WITH TRAPEZE TYPE HANGERS - WHERE NECESSARY PROVIDE RIGID BOARD INSULATION (6LB DENSITY) THE SAME THICKNESS AS THE INSULATION INSERTED INTO THE INSULATION AT THE HANGER. <b>**INSULATE &amp; SEAL ALL DUCTWORK IN CRAWLSPACE.</b></div> <div>19. SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY-LINED SHALL BE LINED WITH 1" THICK 1-1/2 LB./CU. FT. DENSITY DUCTLINER, R-4.2 PER INCH, JOHNS MANVILLE LINACOUSTIC OR EQUAL. DUCT LINER SHALL MEET REQUIREMENT OF NFPA 90A &amp; 90B, FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50, MEET ASTM G-21 AND G-22, A MIN NOISE REDUCTION COEFFICIENT OF 0.70. LINE ALL DUCTWORK AT LEAST 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL EDGES, SEAMS, RIPS, TEARS, ETC. COMPLETELY (NO OPENINGS ALLOWED) WITH MANUFACTURER RECOMMENDED SEALER. NOTE: LINER IS NOT A SUBSTITUTE FOR INSULATION UNLESS SPECIFICALLY NOTED.</div> <div>20. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM, INCLUDING THE EXHAUST, RETURN &amp; OUTSIDE AIR SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL. TESTING AGENCY SHALL BE AABC OR NEBB CERTIFIED. EXHAUST AND RETURN SYSTEMS UNDER NEGATIVE PRESSURE SHALL NOT EXCEED BY MORE THAN 10% FOR EACH FAN AND BY NO MORE THAN 10% AT EACH INLET OF THE VALUES INDICATED ON THE DRAWINGS.</div> <div>21. LOCATIONS OF GRILLES, REGISTERS, &amp; DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL PLANS AND LIGHTS, CEILING GRID, SPRINKLER HEADS, ETC.</div>										<div>22. ALL EQUIPMENT REQUIRING SERVICE AND MAINTENANCE SHALL BE ACCESSIBLE. CONTRACTOR SHALL COORDINATE ALL ACCESS PANELS IN CEILINGS OR WALLS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND STRUCTURAL DRAWINGS TO INSURE ACCESSIBILITY.PROVIDE ACCESS PANELS IN NON-ACCESSIBLE (HARD) CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM. ACCESS DOORS IN CEILINGS/WALLS SHALL BE A MINIMUM OF 12X12, HINGED, AND FIRE-RATED TO MATCH CEILING/WALL RATING. DUCT ACCESS DOORS SHALL BE DOUBLE WALL IF INSTALLED IN DOUBLE-WALL ROUND SPIRAL SUPPLY DUCTS (WHERE APPLICABLE), AND PROVIDED WITH THUMB LATCHES FOR AN AIR TIGHT FIT.</div> <div>23. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENT OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.</div> <div>24. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS. UNLESS OTHERWISE NOTED, THE MECHANICAL CONTRACTOR/TRADE SHALL FURNISH ALL DISCONNECT SWITCHES. COORDINATE WITH ELECTRICAL CONTRACTOR/TRADE FOR SWITCH INSTALLATION, CHARACTERISTICS &amp; SPECIAL LOCATIONS.</div> <div>25. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED/BID AS PART OF THE MECHANICAL WORK.</div> <div>26. UNLESS NOTED OTHERWISE - SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING (AS REQUIRED BY NFPA-90A AND LOCAL MECHANICAL CODES) FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO COMPLETE ALL WIRING TO FIRE ALARM PANEL(S).</div> <div>27. MOTOR STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MANUFACTURER OR MECHANICAL CONTRACTOR. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.</div> <div>28. ALL EQUIPMENT SHALL BE LABELED WITH BAKELITE PLASTIC ENGRAVED NAMEPLATES WITH MINIMUM 1" LETTERING.</div> <div>29. WHERE INDICATED IN THE SCHEDULES, SPECIFICATIONS OR DETAILS, PROVIDE MANUAL VOLUME DAMPERS (MVD) AT SUPPLY TAKE-OFFS, WHERE ACCESSIBLE CEILING (LAY-IN) EXISTS, AT RUNOUTS TO DIFFUSERS AND WHERE SHOWN ON PLANS. IF THE DUCT IS ABOVE A NON-ACCESSIBLE (HARD) CEILING, A REMOTE DAMPER OPERATOR SHALL BE PROVIDED IN A LOCATION APPROVED BY THE ARCHITECT. WHERE BALANCING DAMPERS ARE ALSO PROVIDED AT THE SUPPLY GRILLE/DIFFUSER (SEE SCHEDULE), BALANCE THE SYSTEM WITH THE DAMPER AT THE TAKE-OFF (NOT AT GRILLE). GRILLE DAMPER SHOULD BE 100% OPEN AFTER TEST AND BALANCE.</div> <div>30. DURING CONSTRUCTION AND PRIOR TO OPERATING AIR EQUIPMENT, PROVIDE 2" PLEATED FILTERS IN UNITS. ALSO PROVIDE FILTER MEDIA AT RETURN DUCT INLET. AT TIME OF TEST AND BALANCE, REMOVE FILTER MEDIA AND PLEATED FILTERS AND PROVIDE SCHEDULED/SPECIFIED FILTERS FOR UNITS.</div> <div>31. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLENUMS). ROUTE CONDENSATE TO BUILDING EXTERIOR AND PROVIDE A DRY WELL WHERE REQUIRED. PROVIDE DRAINS FOR CONNECTION INTO PLUMBING SYSTEM, WHERE ALLOWED, AT MECHANICAL CONTRACTOR'S EXPENSE IF NEEDED. CONDENSATE SHALL BE PUMPED WHERE REQUIRED.</div> <div>32. SMOKE DETECTORS SHALL BE PROVIDED AS REQUIRED BY NFPA-90A AND ALL CODES. SMOKE DETECTORS, FURNISHED BY ELECTRICAL TRADE, SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR. ELECTRICAL OR FIRE ALARM TRADES SHALL TIE-IN TO NEW OR EXISTING FIRE ALARM SYSTEM PER CODE. IF NO FIRE ALARM SYSTEM EXISTS, ELECTRICAL OR FIRE ALARM TRADES SHALL FURNISH DETECTORS WITH ALL REQUIRED ACCESSORIES INCLUDING BUT NOT LIMITED TO TEST STATIONS, ETC. ACTIVATION OF SMOKE ALARM SIGNAL(S) SHALL ACTIVATE A VISUAL AND AUDIBLE SUPERVISORY SIGNAL(S) AT A CONSTANTLY ATTENDED LOCATION. IN THE EVENT A FIRE ALARM SYSTEM DOES <i>NOT</i> EXIST OR IS NOT ANTICIPATED, THE MECHANICAL CONTRACTOR SHALL ALSO PROCURE &amp; INSTALL THE REQUIRED TESTING STATIONS.</div> <div>33. SHOP DRAWINGS SHALL BE SUBMITTED TO, AND APPROVED BY, THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. EQUIPMENT SHALL BE AS SCHEDULED PER MODEL NUMBER GIVEN OR AN APPROVED EQUAL. SHOP DRAWINGS SHALL INCLUDE ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM. HVAC AS-BUILT DRAWINGS AND O&amp;M MANUALS SHALL BE FURNISHED WITHIN 90 DAYS OF SYSTEM ACCEPTANCE.</div> <div>34. <b>CONTROLS:</b><ul style="list-style-type: none"><li>PROVIDE NEW LCD, 24/7 PROGRAMMABLE THERMOSTATS (TOP MOUNTED 46" MAX. A.F.F.) WHERE SHOWN ON PLANS. COORDINATE WITH LIGHT SWITCHES AND ARCHITECT. THERMOSTATS SHALL NOT CONTAIN MERCURY. COORDINATE WITH ELECTRICAL.</li><li>SEE EQUIPMENT SCHEDULES FOR ALL ELECTRICAL/CONTROL INTERLOCKS.</li></ul></div>									

AIR DISTRIBUTION DEVICE SCHEDULE									
MARK	SERVICE	MOUNTING	FACE	NECK (DUCT)	MAX RM	MAX SP	INTEGRAL	BASIS-OF-DESIGN	
			SIZE	SIZE	NC	[IN. W.G.]	DAMPER?		
A	SA/OA	FLOOR	4" x 1'-0"	SEE PLANS	35	0.10	Y	PRICE: LFG 26C	
B	SA/OA	FLOOR	6" x 1'-0"	SEE PLANS	35	0.10	Y	PRICE: LFG 26C	
E	EA	SIDEWALL	SEE PLANS	SEE PLANS	35	0.10	N	PRICE: 630	
R	RA	FLOOR	PER DUCT	SEE PLANS	35	0.10	N	See note 6.	
<b>NOTES:</b> <div>1. RUNOUT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS OTHERWISE NOTED.</div> <div>2. RESERVED.</div> <div>3. IN GENERAL, ALLOW 2" TO FACE SIZE ALL AROUND FOR BORDER.</div> <div>4. LFG GRILLES (MARK "A" &amp; "B"): B15 FINISH OR AS SELECTED BY ARCHITECT-OF-RECORD.</div> <div>5. PROVIDE MANUAL VOLUME DAMPER IN ALL SUPPLY NECKS/RUNOUTS. SEE GENERAL NOTES.</div> <div>6. FLOOR RETURN GRILLES (MARK "R") TO BE BY <b>VENT COVERS UNLIMITED</b> - OIL RUBBED BRONZE FINISH. PROVIDE IN HEAVY-GAUGE 1/4" METAL STOCK.</div> <div>7. OTHER APPROVED MFRS: TITUS, KRUEGGER, PRICE</div>									

FAN SCHEDULE														
MARK	TYPE	SERVICE	LOCATION (MOUNTING)	AIRFLOW [CFM]	EXT. S.P. [IN. W.G.]	FRPM [RPM]	SOUND (MAX.) [SONES]	WEIGHT (APPROX.) [LBS]	ELECTRICAL			INTERLOCK WITH?	BASIS-OF-DESIGN	ACCESSORIES
									POWER V/Ph/Hz	MOTOR [HP] or (WATTS)	FLA [AMPS]			
EF-1	A	WOMENS	CEILING (CABINET)	225	0.375	998	5	30	120/1/60	(83)	N/A	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A250	1~9, 11
EF-2	A	MENS	IN-LINE (DUCT)	225	0.5	1,046	5	30	120/1/60	(90)	N/A	LIGHT SWITCH (SEE ELEC.)	GREENHECK: CSP-A290	1~11
<b>ACCESSORIES/OPTIONS:</b> <div>1. UL/Cul 507 LISTED - ELECTRIC FANS</div> <div>2. HANGING RODS, VIBRATION ISOLATORS</div> <div>3. ROOF CURB, CANTED, W/ WOOD NAILER</div> <div>4. SPEED CONTROL <b>**FOR BALANCING**</b></div> <div>5. NEMA 1 TOGGLE DISCONNECT, JUNCTION BOX MOUNTED &amp; WIRED</div> <div>6. BIRD/INSECT SCREEN, ALUMINUM</div> <div>7. BACKDRAFT DAMPER (SHIPPED LOOSE)</div> <div>8. ROUND DUCT CONNECTION KIT</div> <div>9. ROOF OR WALL CAP AS INDICATED W/ INTEGRAL BIRD SCREEN (ROOF MOUNT REQUIRES CURB)</div> <div>10. HARD WIRE FAN TO INTERLOCK WITH BATHROOM LIGHT (ALSO SEE ELECTRICAL).</div> <div>11. OTHER APPROVED MFRS: LOREN COOK, TWIN CITY, PENN</div>														

PACKAGED HEAT PUMP SCHEDULE																											
MARK	LOCATION	CAPACITY (NOMINAL)	AIRFLOW		SUPPLY FAN		COOLING (D/X) COIL					AMBIENT	AUX. (ELEC) HEATING		ELECTRICAL DATA (SINGLE POINT POWER)								SEER2	WEIGHT (APPROX.)	BASIS-OF-DESIGN	NOTES	
		TOT.	OA	E.S.P. <sup>1</sup>	MOTOR	TOT.	SENS.	EAT	EAT	LAT	OAT	CAP. (@ 208/1/60) [kW]	POWER	MCA	MFS	IND. FAN FLA	COMPR. 1		COMPR. 2		OUT. FAN			(APPROX.)			
		[TONS]	[CFM]	[CFM]	[IN. W.G.]	HP	[MBH]	[MBH]	[Fdb]	[Fwb]	[Fdb]	[Fdb]	V/PH/Hz	[AMPS]	[AMPS]	[AMPS]	RLA [AMPS]	LRA [AMPS]	RLA [AMPS]	LRA [AMPS]	QTY.	FLA (EA.) [AMPS]		[LBS]			
PHP-1	GROUND (PAD)	5	2110	280	0.75	1	56.5		80.0	67.0	90.0	95.0	11.3	208/1/60	68	70	6.9	23	118	--	--	1	1.4	15.0	175	TRANE: 4WCZ5060E1	1~11
EX-PHP	GROUND (PAD)	3	1285	180	0.75								EXISTING-TO-REMAIN *** FOR INFORMATION ONLY ***												ICF: PHJ436000KTP0A1	N/A	
<b>ACCESSORIES/OPTIONS:</b> <div>1. E.S.P. IS ALL STATIC PRESSURE EXTERNAL TO UNIT (SUPPLY &amp; RETURN). INTERNAL S.P. NOT INCLUDED.</div> <div>2. PROVIDE 2-SPEED (MED. STATIC) INDOOR FAN, DUAL-CKT R-410A UNIT.</div> <div>3. PAD-MOUNTED, EXTEND PAD 8" (MIN.) ALL-AROUND UNIT.</div> <div>4. PROVIDE ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF DAMPER.</div> <div>5. PROVIDE 7-DAY PROGRAMMABLE THERMOSTATIC WITH LCD DISPLAY &amp; AUTO-CHANGEOVER.</div> <div>6. ADJUST OUTSIDE (OA) DAMPER(S) TO SCHEDULED VALUE(S).</div> <div>7. PROVIDE 2" FILTER RACK AND LIFTING LUGS.</div> <div>8. FURNISH &amp; INSTALL DUCT SMOKE DETECTOR IN SUPPLY DUCT, AS REQUIRED BY CODES.</div> <div>9. PROVIDE SINGLE-POWER KIT (BAYSPEK062) PROVIDED EXISTING ELECTRICAL INFRASTRUCTURE CAN ACCOMMODATE (VERIFY).</div> <div>10. RESERVED.</div> <div>11. OTHER APPROVED MANUFACTURERS: CARRIER, LENNOX</div>																											



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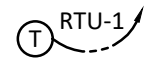

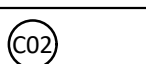
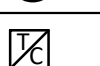

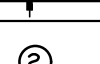

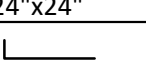
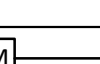
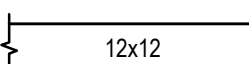
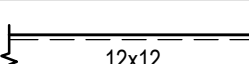
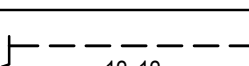
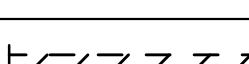
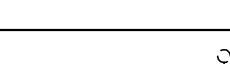
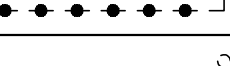
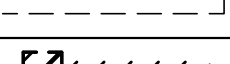
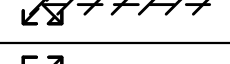


Revisions:

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**HVAC SPECIFICATIONS & SCHEDULES**

**MO.1**  
Sheet Number

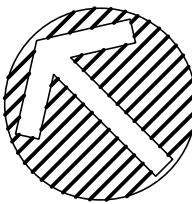
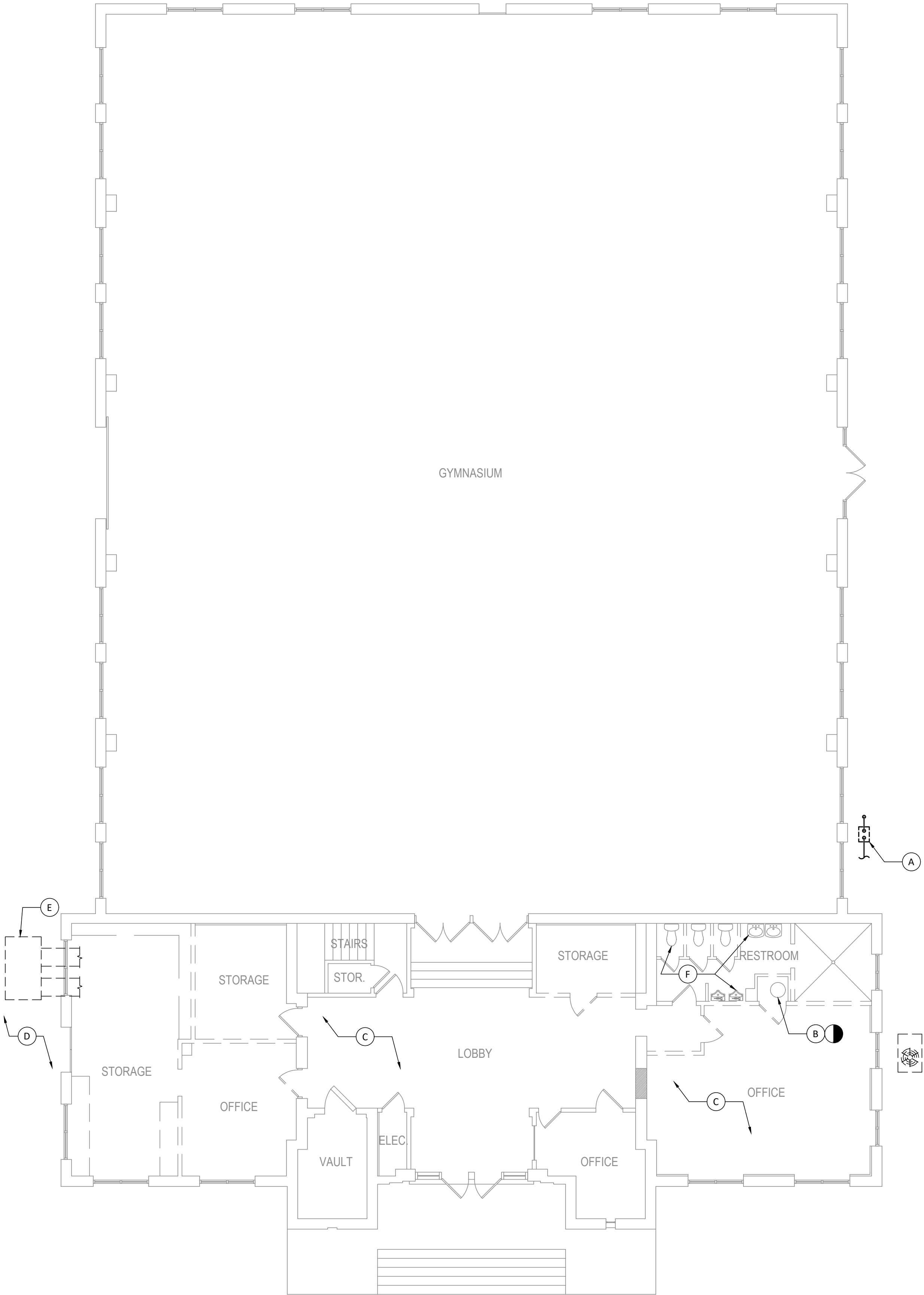


HVAC LEGEND		
SYMBOL		DESCRIPTION
EF-1		EQUIPMENT DESIGNATION (EF-1)
		SUPPLY/OUTSIDE AIR DISTRIBUTION DEVICE
		RETURN/EXHAUST AIR DEVICE
		DUCT IN SECTION (POSITIVE PRESSURE)
		DUCT IN SECTION (NEGATIVE PRESSURE)
18x12		DUCT SIZE IN INCHES (RECTANGULAR)
10"Ø		DUCT SIZE IN INCHES (ROUND)
		THERMOSTAT (EQUIPMENT CONTROLLED)
		WALL SWITCH
		CARBON DIOXIDE SENSOR (FOR DENSE OCCUPANCIES)
		TIME CLOCK
	FD	FIRE DAMPER
		DUCT MOUNTED SMOKE DETECTOR
		DUCT TRANSITION
U.C. 3/4"		DOOR UNDERCUT
D.G. 24"x24"		DOOR GRILLE (SIZE)
	MVD	MANUAL VOLUME DAMPER
	MD	MOTORIZED DAMPER
		DUCT WITH RECTANGULAR SIZE
		INTERNALLY-INSULATED (LINED) OR DOUBLE-WALL DUCT
		EXISTING DUCT TO REMAIN
		EXISTING DUCT TO BE DEMOLISHED
		EXISTING PIPING/EQUIPMENT TO BE DEMOLISHED
		EXISTING PIPING TO REMAIN
		EXISTING EXHAUST DUCT/GRILLE TO BE DEMOLISHED
		EXISTING EXHAUST DUCT/GRILLE TO REMAIN
		CONNECT TO EXISTING WHERE INDICATED
		DEMOLISH EXISTING WHERE INDICATED

KEYED DEMOLITION NOTES

(APPLIES TO THIS SHEET ONLY)

- A** EXISTING GAS METER/SERVICE & FUEL LINES TO BE REMOVED. COORDINATE W/ LOCAL GAS UTILITY AS NECESSARY.
- B** EXISTING GAS-FIRED WATER HEATER, FLUE AND ALL APPURTENANCES TO BE DEMOLISHED. TURN WATER-HEATER OVER TO OWNER OR DISPOSE AS DIRECTED.
- C** DEMOLISH ALL EXISTING DOMESTIC WATER & SANITARY RUNOUTS TO PLUMBING FIXTURES TO BE DEMOLISHED. IDENTIFY MAINS AND PREPARE FOR CONNECTION OF NEW WORK. VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. PREPARE FOR NEW WORK.
- D** IDENTIFY MAIN BUILDING SANITARY DRAIN/DISCHARGE AND PREPARE FOR CONNECTION NEW WORK. SEE DRAWING M1.1. VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.
- E** DEMOLISH ABANDONED PACKAGED HEAT PUMP AND ALL ASSOCIATED DUCTWORK IN CRAWLSPACE. TURN HEAT PUMP OVER TO OWNER OR DISPOSE AS DIRECTED. PREPARE FOR NEW WORK.
- F** DEMOLISH EXISTING PLUMBING FIXTURES ASSOCIATED WITH BATHROOM DEMOLITION AND PREPARE FOR NEW WORK. VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. TURN FIXTURES OVER TO OWNER OR DISPOSE AS DIRECTED. ALSO SEE ARCHITECTURAL FOR OVERALL DEMOLITION SCOPE OF WORK.



NORTH

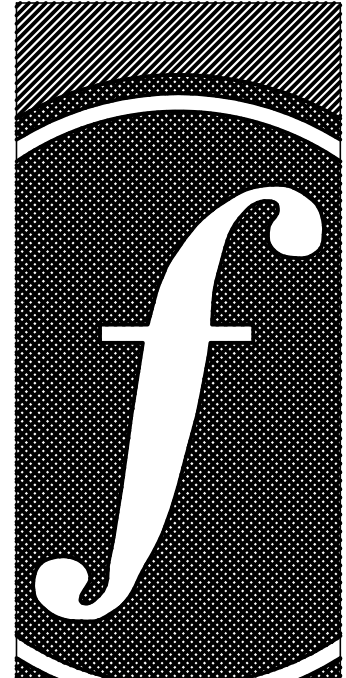
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HVAC EXISTING/DEMOLITION PLAN

1/4" = 1'-0"



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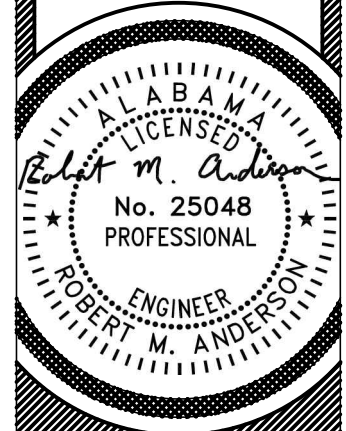


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Project #:
22-43
Design By:
RMA
Project Date:
6-23-23
Revisions:

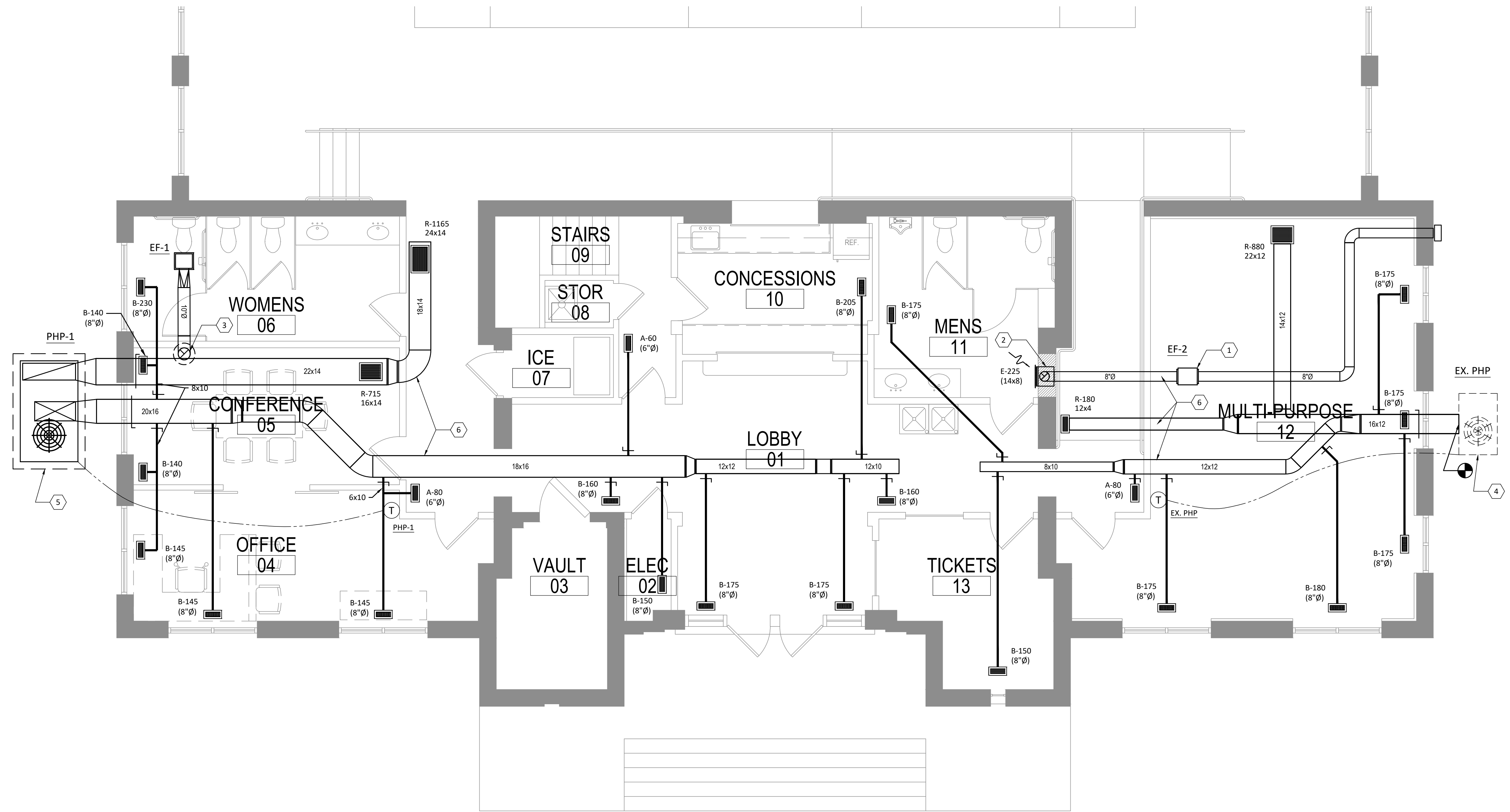
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HVAC/PLUMBING  
DEMOLITION PLAN



M/P1.0

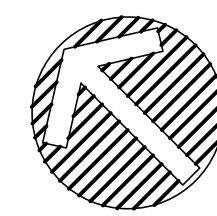
Sheet Number



### KEYED NOTES

(APPLIES TO THIS SHEET ONLY)

- 1 IN-LINE FAN AS SCHEDULED, IN CRAWLSPACE. ROUTE TO SIDE-WALL AND DISCHARGE THRU WALL-CAP. SEE ARCHITECTURAL FOR FINAL COLOR/FINISHES.
- 2 SIDEWALL EXHAUST GRILLE AS SCHEDULED. FIELD-FAB PLENUM IN WALL. CONNECT 8" EXHAUST DUCT TO BOTTOM AND ROUTE DOWN IN CRAWLSPACE TO FAN.
- 3 EXHAUST DISCHARGE UP TO ROOF CAP AS SCHEDULED.
- 4 EXISTING PACKAGED HEAT PUMP TO REMAIN IN SERVICE. ADJUST DELIVERY TO FINAL (NEW) AIRFLOWS, INCLUDING OUTSIDE AIR AS SCHEDULED, DRAWING M0.1.
- 5 NEW CONCRETE PAD FOR SCHEDULED PACKAGED HEAT PUMP. EXTEND PAD 8" MIN. ALL SIDES.
- 6 ALL DUCTWORK INSTALLED IN CRAWLSPACE. VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.



NORTH

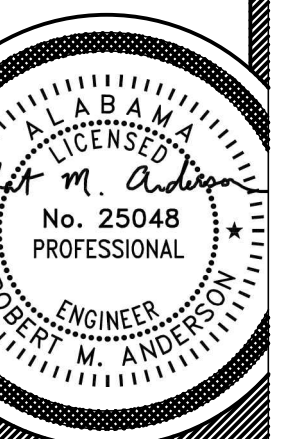
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### HVAC FLOOR PLAN

1/8" = 1'-0"



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M1.1  
Sheet Number

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HVAC FLOOR PLAN

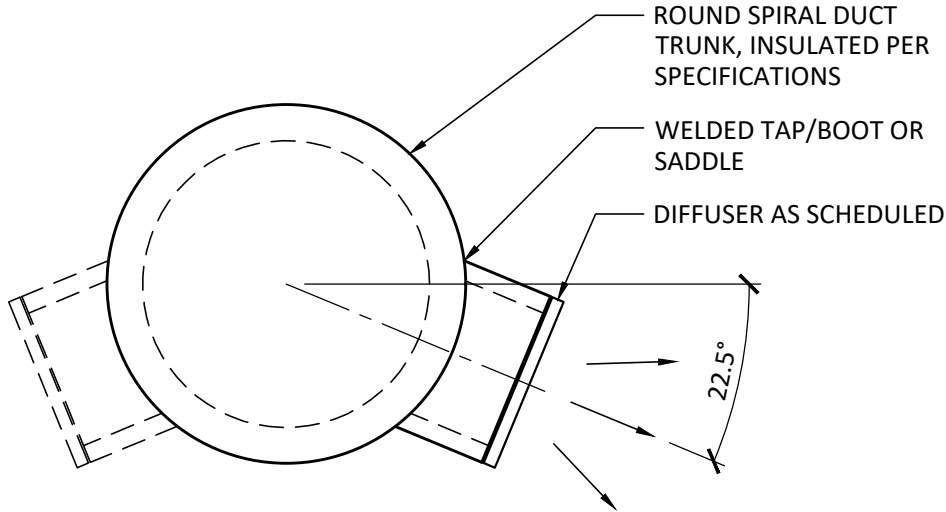
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Design By:  
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Project Date:  
**6-23-23**  
Revisions:



PACKAGED HEAT PUMP SCHEDULE (ADD ALTERNATE #1)																					
MARK	LOCATION	CAPACITY	AIRFLOW		SUPPLY FAN		COOLING (D/X) COIL					AMBIENT	AUX. (ELEC) HEATING	ELECTRICAL (1-POINT)				SEER2	WEIGHT	BASIS-OF-DESIGN	NOTES
		(NOMINAL)	TOT.	OA	E.S.P. <sup>1</sup>	MOTOR	TOT.	SENS.	EAT	EAT	LAT	OAT	CAP.	POWER	MCA	MFS	(APPROX.)				
		[TONS]	[CFM]	[CFM]	[IN. W.G.]	HP	[MBH]	[MBH]	[Fdb]	[Fwb]	[Fdb]	[Fdb]	(@ 208/3/60) [kW]	V/PH/Hz	[AMPS]	[AMPS]	[LBS]				
PHP-G1	ROOF	15	5000	1945	0.75	3	177.4	121.9	80.0	67.0	90.0	95.0	18	208/3/60	120	125	15.0	2235	TRANE: 4SH180E3	1~11	
PHP-G2	ROOF	15	5000	1945	0.75	3	177.4	121.9	80.0	67.0	90.0	95.0	18	208/3/60	120	125	15.0	2235	TRANE: 4SH180E3	1~11	
ACCESSORIES/OPTIONS:																					
1. E.S.P. IS ALL STATIC PRESSURE EXTERNAL TO UNIT (SUPPLY & RETURN). INTERNAL S.P. NOT INCLUDED.																					
2. PROVIDE 2-SPEED (MED. STATIC) INDOOR FAN, DUAL-CKT R-410A UNIT.																					
3. PROVIDE FACTORY ROOF CURB WITH CANT, PROJECT 12" MIN. ABOVE ROOF LEVEL. UNIT TO BE CONFIGURED WITH SIDE DISCHARGE & RETURN.																					
4. PROVIDE ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF DAMPER.																					
5. PROVIDE 7-DAY PROGRAMMABLE THERMOSTATIC WITH LCD DISPLAY & AUTO-CHANGEOVER. PROVIDE WALL-GUARDS AND LOCATE IN PROTECTED AREA (IF FEASIBLE).																					
6. ADJUST OUTSIDE (OA) DAMPER(S) TO SCHEDULED VALUE(S).																					
7. PROVIDE 2" FILTER RACK AND LIFTING LUGS.																					
8. FURNISH & INSTALL DUCT SMOKE DETECTOR IN SUPPLY DUCT, AS REQUIRED BY CODES.																					
9. PROVIDE SINGLE-POWER KIT (BAYSPEK062) PROVIDED EXISTING ELECTRICAL INFRASTRUCTURE CAN ACCOMMODATE (VERIFY).																					
10. COORDINATE WITH STRUCTURE/ROOF MEMBRANE.																					
11. OTHER APPROVED MANUFACTURERS: CARRIER, LENNOX																					

AIR DISTRIBUTION DEVICE SCHEDULE (ALTERNATE #1)								
MARK	SERVICE	MOUNTING	FACE	NECK (DUCT)	MAX RM	MAX SP	INTEGRAL	BASIS-OF-DESIGN
			SIZE	SIZE	NC	[IN. W.G.]	DAMPER?	
S	SA/OA	DUCT	18x6	SEE PLANS	35	0.10	Y	TITUS: S300FS
W	RA	SIDEWALL	SEE PLANS	SEE PLANS	35	0.10	Y	TITUS: 30RL
<b>NOTES:</b> 1. RUNOUT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS OTHERWISE NOTED. 2. FINISH FOR ALL DEVICES SHALL BE "WHITE", UNLESS OTHERWISE SPECIFIED BY ARCHITECT. 3. IN GENERAL, ADD 2" TO FACE SIZE ALL AROUND FOR BORDER. 4. HEAVY-DUTY GRILLE WITH MANDREL SUPPORT BARS FOR 30RL PRODUCT. 5. PROVIDE MANUAL VOLUME DAMPER IN ALL NECKS/RUNOUTS. SEE GENERAL NOTES. 6. FOR FL (LSDs), PROVIDE STD. 1-SLOT MODEL. 2-SLOT FOR RETURN AIR (RA) LOCATIONS. CONSULT 7. OTHER APPROVED MFRS: PRICE, KRUEGGER, TUTTLE & BAILEY, NAILOR								



NOTES:  
1. SEE PLANS FOR EXACT CONFIGURATION AND NUMBER OF DIFFUSERS/TAPS.

## 2 ROUND TRUNK WITH DIFFUSER TAP DETAIL

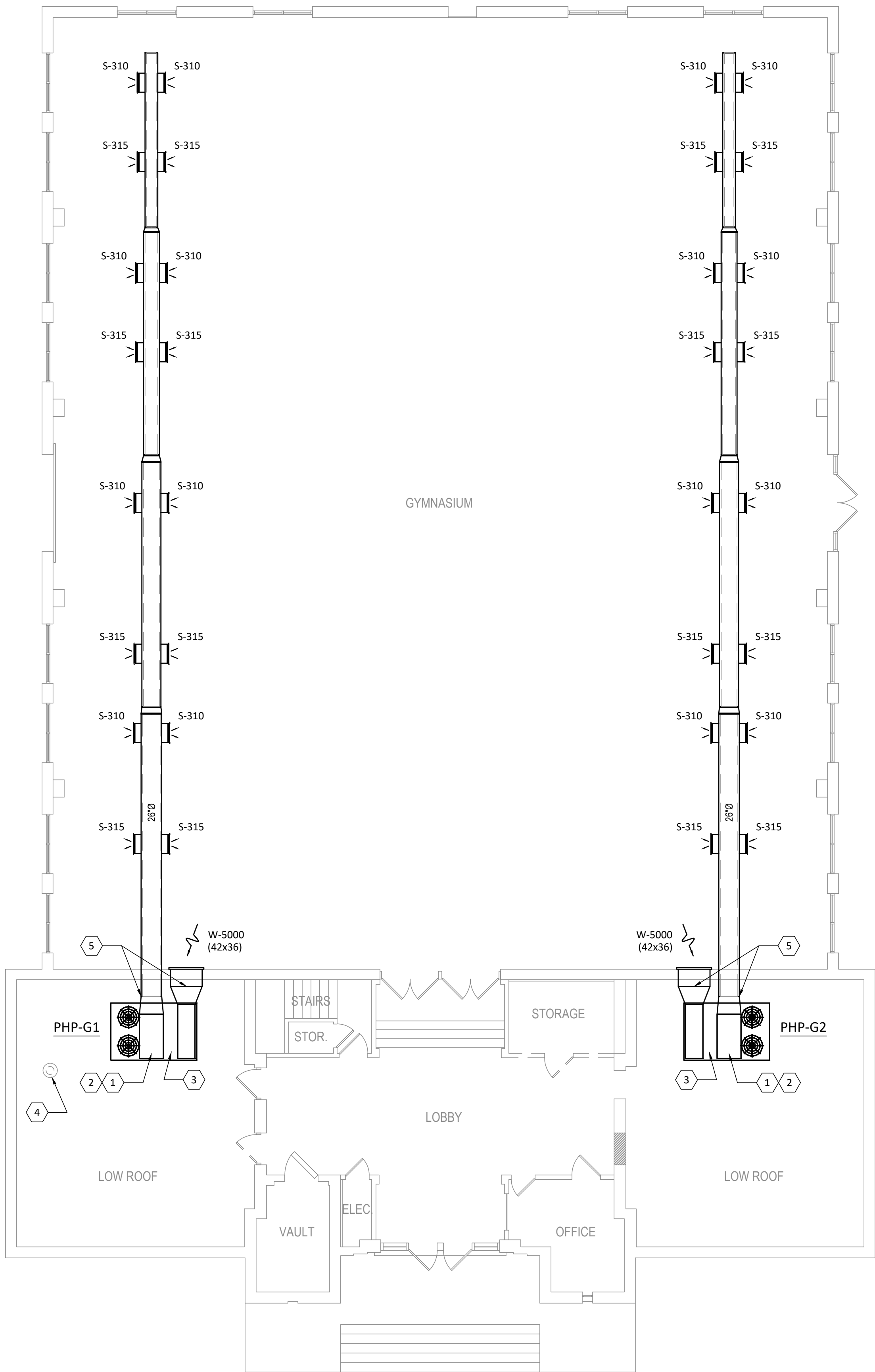
SCALE: NONE

REF: EXPOSED ROUND DUCT

## KEYED NOTES (ALTERNATE #1 ONLY)

(APPLIES TO THIS SHEET ONLY)

- 1 FOR ALTERNATE, PRICE/BID ROOF-MOUNTED PACKAGED HEAT PUMPS & AIR DISTRIBUTION SYSTEM FOR EXISTING GYMNASIUM AS SCHEDULED.
- 2 COORDINATE WITH STRUCTURAL, ARCHITECTURAL AND ALL OTHER TRADES. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.
- 3 DRAIN CONDENSATE TO NEAREST ROOF DRAIN/SCUPPER. OTHERWISE, CONSULT LOCAL AHJ & CODES FOR ALLOWABLE CONDENSATE DISCHARGE.
- 4 EXHAUST FAN ROOF JACK (FROM BASE BID).
- 5 EXTERIOR DUCTS TO RECEIVE 2" INSULATION WITH VAPOR BARRIER UNDER METAL JACKET. SUPPORT DUCTS FROM ROOF WITH SADDLES, BRACES, ETC.  
\*\*\* ALL WORK RELATED TO ALTERNATE #1 COULD CHANGE, PENDING FUTURE DEVELOPMENTS OR EXISTING CONDITION DISCOVERIES.



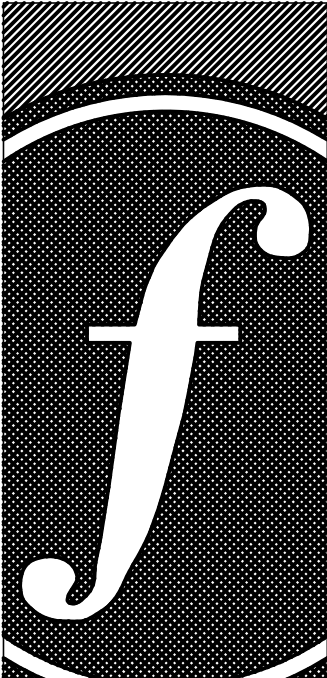
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## HVAC GYMNASIUM/LOW ROOF PLAN (ALTERNATE #1)

1/4" = 1'-0"



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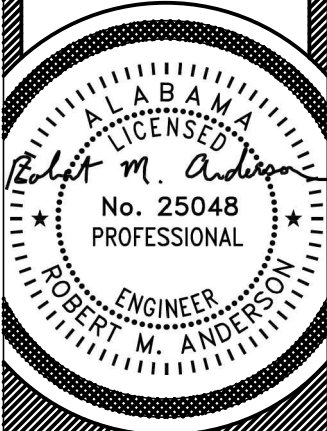
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RMA

Project Date:  
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HVAC GYMNASIUM PLAN  
(ADD ALTERNATE #1)



M1.1A

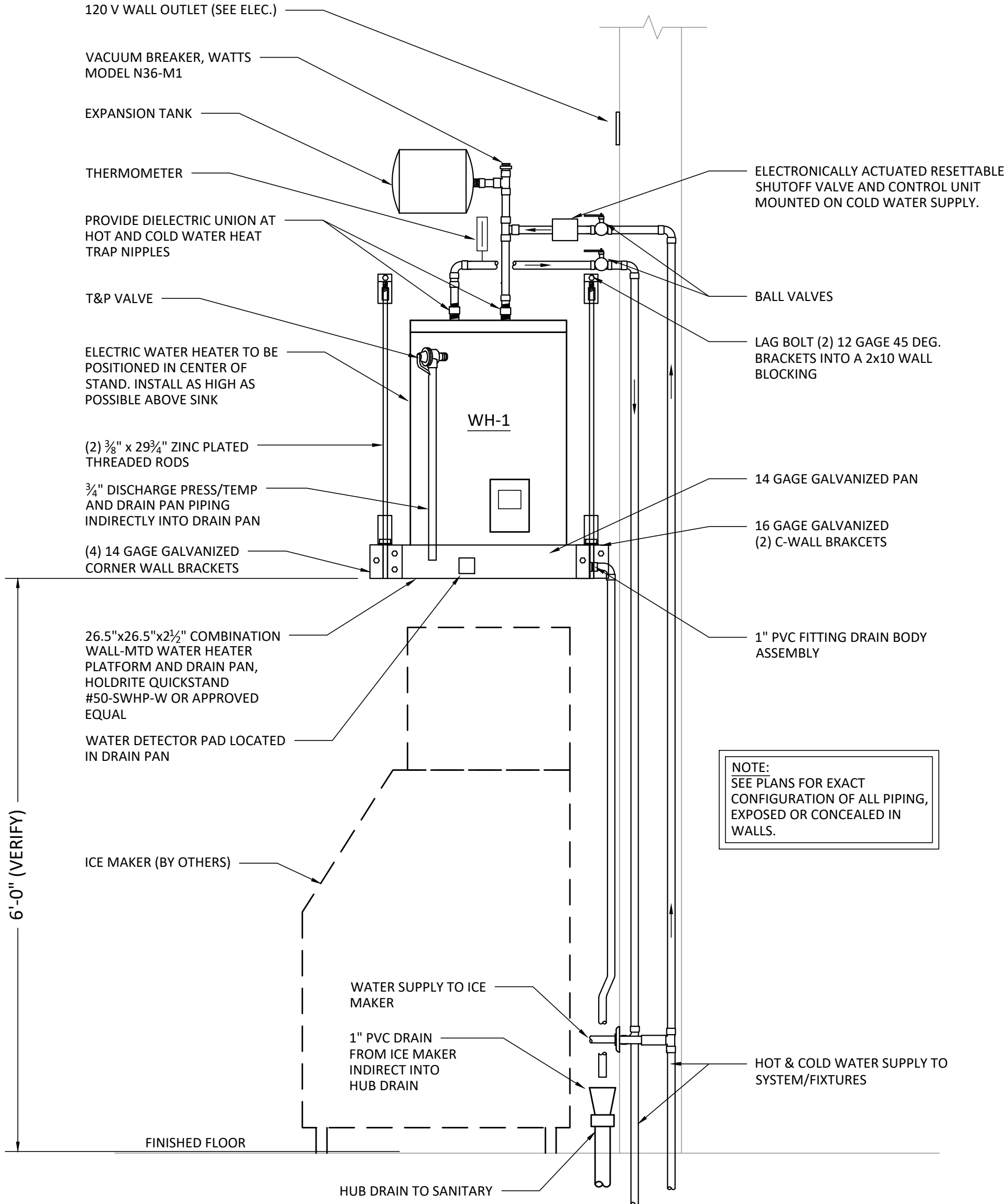
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PLUMBING LEGEND		
SYMBOLS		DESCRIPTION
	OW	OILY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING ABOVE FLOOR OR GRADE
	V	WASTE VENT PIPING
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	RECIRCULATED HOT WATER
		PIPE DOWN (IN DIRECTION IN FLOW)
		PIPE UP (IN DIRECTION OF FLOW)
	VTR	SANITARY VENT THROUGH ROOF
	FD	FLOOR DRAIN (-1 = TYPE)
	HD	HUB DRAIN
	CO / WCO	CLEANOUT / WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	GCO	GRADE CLEANOUT
	HB	HOSE BIBB OR DRAIN VALVE
	GV	GATE VALVE
	CV	CHECK VALVE
	WHA	WATER HAMMER ARRESTOR (P.D.I SIZE)
	BFP	BACKFLOW PREVENTER ASSEMBLY
	RPZ	REDUCED PRESSURE ZONE (BFP)
	PRV	PRESSURE REDUCING VALVE
	T & P	TEMPERATURE AND PRESSUER RELIEF VALVE
	TP	TRAP PRIMER
		CONNECT TO EXISTING WHERE INDICATED
		DEMOLISH EXISTING WHERE INDICATED
	P-1	PLUMBING FIXTURE DESIGNATION
	1	REFER TO PLUMBING KEYED NOTES (GENERALLY SHEET-SPECIFIC)
		CONTINUATION SYMBOL
	A.F.G.	ABOVE FINISHED GRADE
	B.F.F.	BELOW FINISHED FLOOR
	B.F.G.	BELOW FINISHED GRADE
	A/C	ABOVE CEILING
	A/F	ABOVE FLOOR
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	A.F.F.	ABOVE FINISHED FLOOR
	AHJ	AUTHORITY HAVING JURISDICTION
	WH-1	WATER HEATER (AS SCHEDULED)

ELECTRIC WATER HEATER SCHEDULE									
TAG	TANK (GAL)	NO. OF ELEMENT	KW EACH	V/Ø	FLA	RECOVERY (GPH)	TEMP. RISE (°F)	SUPPLY (°F)	MANUF. & MODEL NO.
WH-1	30	2	4.5	208/1	SEE MFR.	23	80	120	AO SMITH: DEL-30 ①
NOTES: UNIT SHALL HAVE HEAT TRAP; EFFICIENCY SHALL MEET OR EXCEED ASHRAE 90.1. PROVIDE MODEL SHOWN OR RHEEM, BRADFORD WHITE, OR APPROVED EQUAL.									
① PROVIDE ASSE COMPLIANT MIXING VALVE AT ALL FIXTURES WHERE REQUIRED BY CODE.									

PLUMBING SPECIFICATIONS	
1.	ALL PLUMBING EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2.	PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, PIPE SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. CHANGE ORDERS SHALL NOT BE PERMITTED FOR FAILURE TO EVALUATE EXISTING CONDITIONS PRIOR TO BID.
3.	SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER/ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PLUMBING EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM.
4.	CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5.	ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6.	ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE PLUMBING WORK. ANY CABLE ROUTED IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
7.	ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
8.	ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
9.	ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE PLUMBING CONTRACTOR.
10.	PRESSURE TEST ALL PIPING AFTER INSTALLATION. VALVE OFF ANY EQUIPMENT THAT MAY BE SUBJECT TO SEAL FAILURE DUE TO TESTING.
11.	ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER, COMMERCIAL GRADE PEX TYPE PIPING, OR CODE APPROVED ALTERNATIVE. BELOW GROUND DOMESTIC WATER PIPING SHALL BE CODE APPROVED PVC. PEX SHALL BE CONNECTED TO METAL FITTINGS INSIDE WALL.
12.	ABOVE GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. BELOW GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. ALL PIPING IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.
13.	DOMESTIC HOT WATER PIPING SHALL BE INSULATED WITH 1" ARMSTRONG ARAMFLEX INSULATION, DOMESTIC COLD WATER WITH ½" ARMAFLEX. INSTALL INSULATION IN STRICT ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
14.	PROVIDE ASSE 1070 MIXING VALVE AT EACH HAND SINK.
15.	THE ENTIRE DOMESTIC WATER PLUMBING SYSTEM SHALL BE TESTED TO A PRESSURE OF 125 PSI FOR 6 HOURS OR AS REQUIRED BY LOCAL CODE. THE SANITARY SYSTEM SHALL BE TESTED IN ACCORDANCE WITH STATE AND LOCAL CODES WHERE REQUIRED. SUBMIT CERTIFIED TEST REPORT TO ARCHITECT FOR APPROVAL. ALL INSPECTIONS, TESTS, SURVEYS, AND ANY OTHER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
16.	ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.
17.	ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE PLUMBING WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
18.	CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING EQUIPMENT, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
19.	PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM AS WELL AS ACCESS TO VALVES WHERE REQUIRED.
20.	PROVIDE WATER HAMMER ARRESTORS AT THE EACH END OF EACH DOMESTIC RUN OF PIPING.
21.	COORDINATE ROOF PENETRATIONS WITH STRUCTURAL, ARCHITECTURAL, AND MECHANICAL DRAWINGS. KEEP VENT A MINIMUM OF 10'-0" FROM BUILDING INTAKES.
22.	COORDINATE WATER METERS WITH CIVIL ENGINEER (OR OWNER) AND CITY WATER AHJ. THIS CONTRACTOR SHALL PAY FOR NEW METER(S) UNLESS COORDINATED OTHERWISE.
23.	ALL FLOOR DRAINS WITHOUT CLEAN WATER WASTE SHALL HAVE A TRAP PRIMER. TRAP SEALS WILL BE CONSIDERED WITH PRIOR APPROVAL.
24.	PROVIDE INTERIOR PRESSURE REDUCING VALVE FOR ANY SYSTEM ABOVE 80 PSI PER FLOW TEST.
25.	THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.



1 SHELF-MOUNTED WATER HEATER (OVER MOP SINK)  
NO SCALE  
REF: WH-1

PLUMBING FIXTURE SCHEDULE							
TAG	TYPE	CW	HW	WASTE	VENT	SPECIFICATION	NOTES:
<u>WC-1A</u>	WATER CLOSET (ADA)	1/2"	N/A	3"	2"	KOHLER HIGHLINE MODEL K-3493-RA-0 (RIGHT CONTROL) OR K-3493-0 (LEFT CONTROL). PROVIDE OPEN FRONT SEAT REQ'D. LOCATE CONTROL ON APPROACH SIDE. PROVIDE ALL ACCESSORIES FOR COMPLETE <b>ADA-COMPLIANT INSTALLATION</b> . EQUALS BY TOTO, OR AMERICAN STD.	1
<u>WC-1</u>	WATER CLOSET	1/2"	N/A	3"	2"	KOHLER HIGHLINE MODEL K-3493-RA-0 (RIGHT CONTROL) OR K-3493-0 (LEFT CONTROL). PROVIDE OPEN FRONT SEAT REQ'D. LOCATE CONTROL ON APPROACH SIDE. PROVIDE ALL ACCESSORIES FOR COMPLETE INSTALLATION. EQUALS BY TOTO, OR AMERICAN STD.	1
<u>L-1A</u>	LAVATORY (ADA)	1/2"	1/2"	1-1/2"	2"	KOHLER VERTICYL K-8189-0 UNDERMOUNT SINK WITH MOEN RINZA 84627BL FAUCET. PROVIDE ADA GUARDS ON EXPOSED PIPES AND ACCESSORIES FOR COMPLETE <b>ADA-COMPLIANT INSTALLATION</b> . EQUALS BY TOTO, OR AMERICAN STD.	1,2
<u>UR-1A</u>	URINAL (ADA)	3/4"	N/A	2"	2"	KOHLER MODEL K-4991-KT-0 (WHITE) URINAL WITH 3/4" TOP SPUD. PROVIDE SLOAN MODEL 8110 MANUAL FLUSH VALVE (0.5 GPM) AND IN-WALL CARRIER. PROVIDE ALL ACCESSORIESFOR COMPLETE <b>ADA-COMPLIANT INSTALLATION</b> . EQUALS BY TOTO, OR AMERICAN STD.	1
<u>MS</u>	MOP/SERVICE SINK	3/4"	3/4"	3"	2"	STERN-WILLIAMS EB-54 RECEPTOR W/ SS CAP. PAIRED W/ T-10-VB FAUCET (VACUUM BREAK), 3/4" HOSE THREAD SPOUT W/ BUCKET HOOK & TOP BRACE, T-35 HOSE. SS BACKSPLASH FOR CORNER INSTALLATION. EQUALS BY MUSTEE.	1
<u>DF</u>	DRINKING FOUNTAIN	1/2"	--	1-1/2"	2"	ELKAY MODEL EZSTL8WSLK WALL-MOUNTED, BARRIER-FREE, SPLIT-LEVEL WATER COOLER WITH BOTTLE FILLER, REFRIGERATED (120V/1PH), 8 GPH, ANGLE SUPPLY/STOP, CAST BRASS P-TRAP W/ CLEAN-OUT. PROVIDE ADA-COMPLIANT APRONS ON BOTH LEVELS. EQUALS BY OASIS. <b>ADA-COMPLIANT INSTALLATION</b> .	1
<u>NEWH</u>	NON-FREEZE WALL HYDRANT	3/4"	N/A	N/A	N/A	HYDRANT SHALL BE WALL-MOUNTED IN BOX, FREEZE PROOF, 3/4" CONNECTION, W/ ANTI-SIPHON VACUUM BREAKER, WOODFORD MODEL B65 OR APPROVED EQUAL.	1
<u>HD-1</u>	HUB DRAIN	N/A	N/A	3"	2"	PVC REDUCER STANDPIPE, 3"x2" W/ P-TRAP BEHIND ACCESS PANEL. TRAP SEALS WILL BE CONSIDERED WITH PRIOR APPROVAL.	1
<u>ICE</u>	ICE MAKER (BY OWNER)	1/2"	N/A	N/A	N/A	GUY GRAY WALL BOX BIM875AB ICE MAKER (BY OWNER) HOOKUP, 1/2" FIP INLET x 1/4" OD COMPRESSION OUTLET ANGLE STOP VALVE, SUPPLY CONNECTION 1/2" MPT OR 5/8" OD SWEAT CONNECTION.	1
<b>NOTES:</b> 1. PROVIDE MODEL SHOWN OR APPROVED EQUAL. 2. PROVIDE ASSE-1070 COMPLIANT THERMOSTATIC MIXING VALVES AT ALL APPLICABLE FIXTURES REQUIRED BY CODE.							



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Project #:  
22-43

Design By:  
RMA

Project Date:  
6-23-23

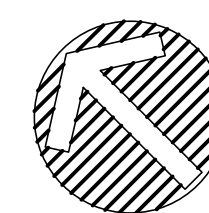
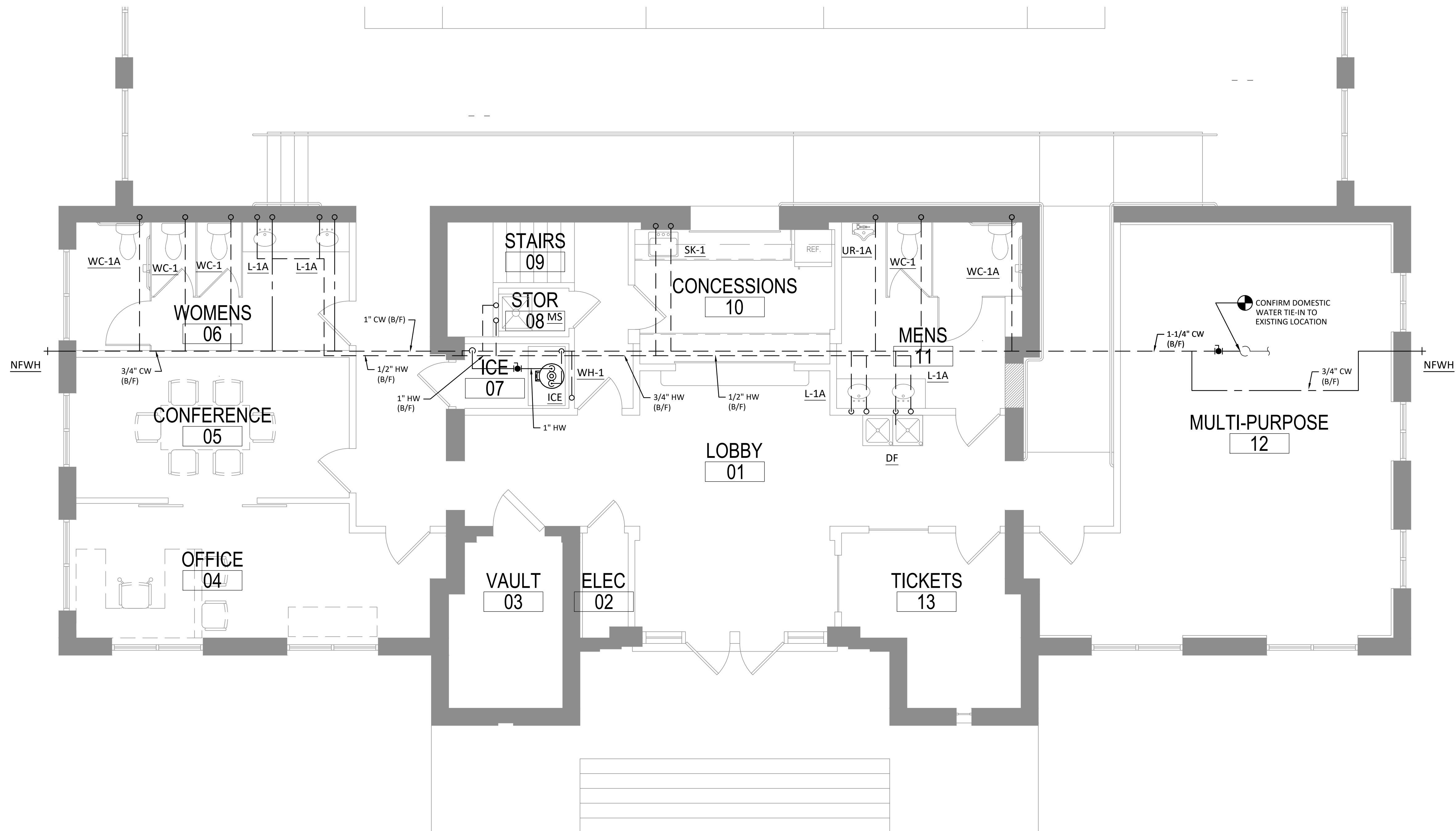
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PLUMBING  
SPECIFICATIONS,  
SCHEDULES & DETAILS

P0.1  
Sheet Number





1

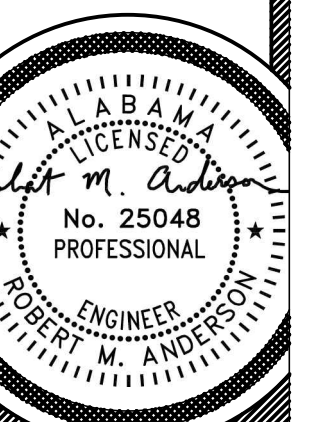
# PLUMBING FLOOR PLAN (PRESSURE PIPING)

1/4" = 1'-0"

NORTH



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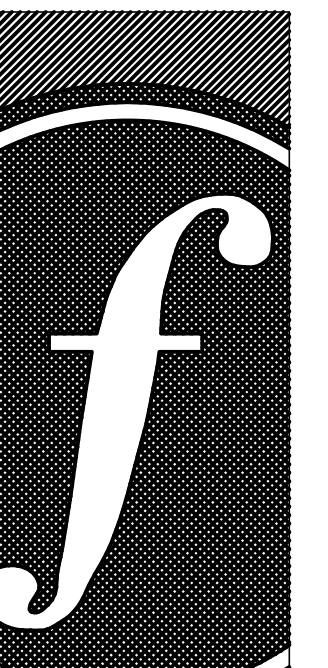


P1.1

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PLUMBING FLOOR PLAN  
(PRESSURE)



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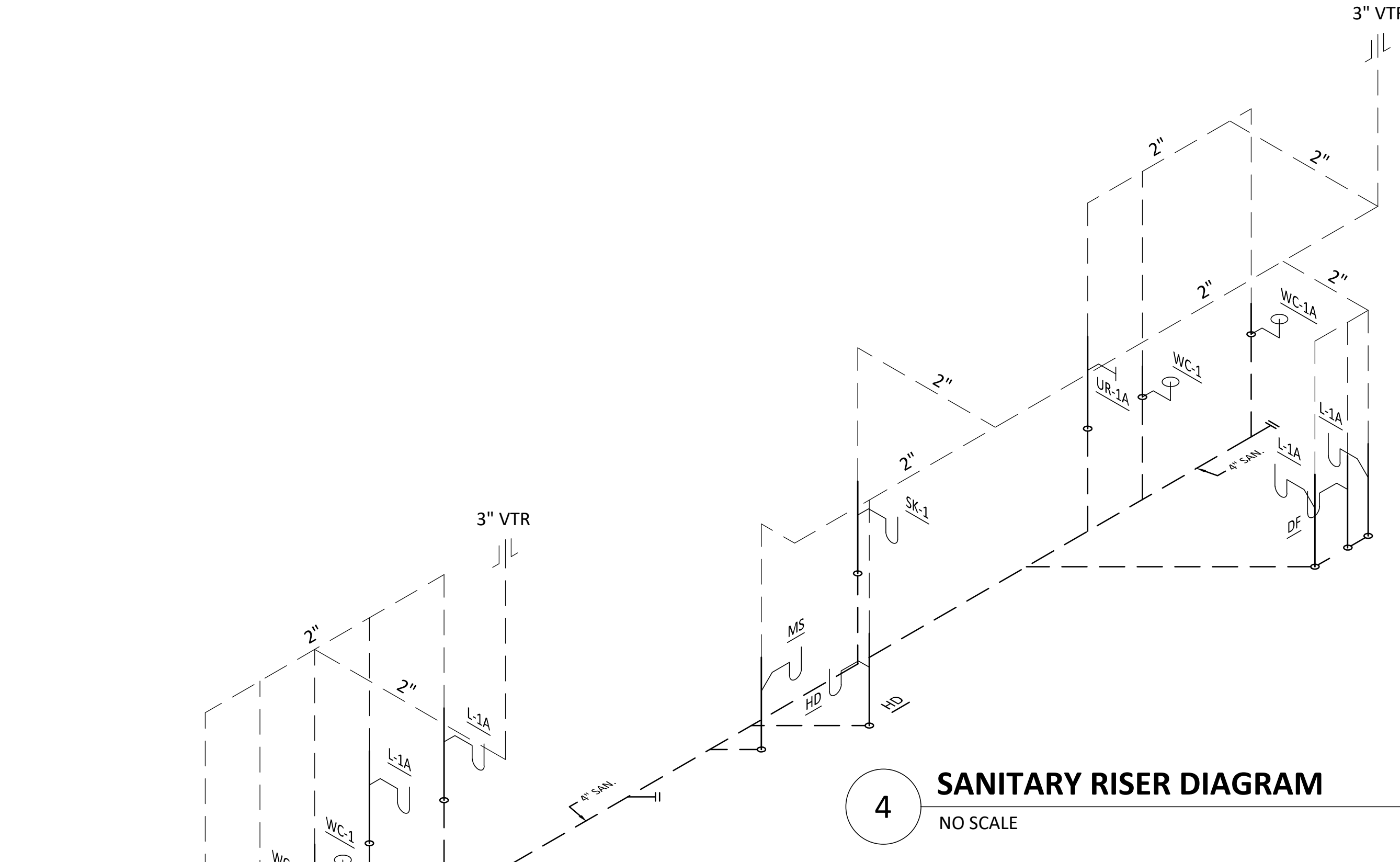
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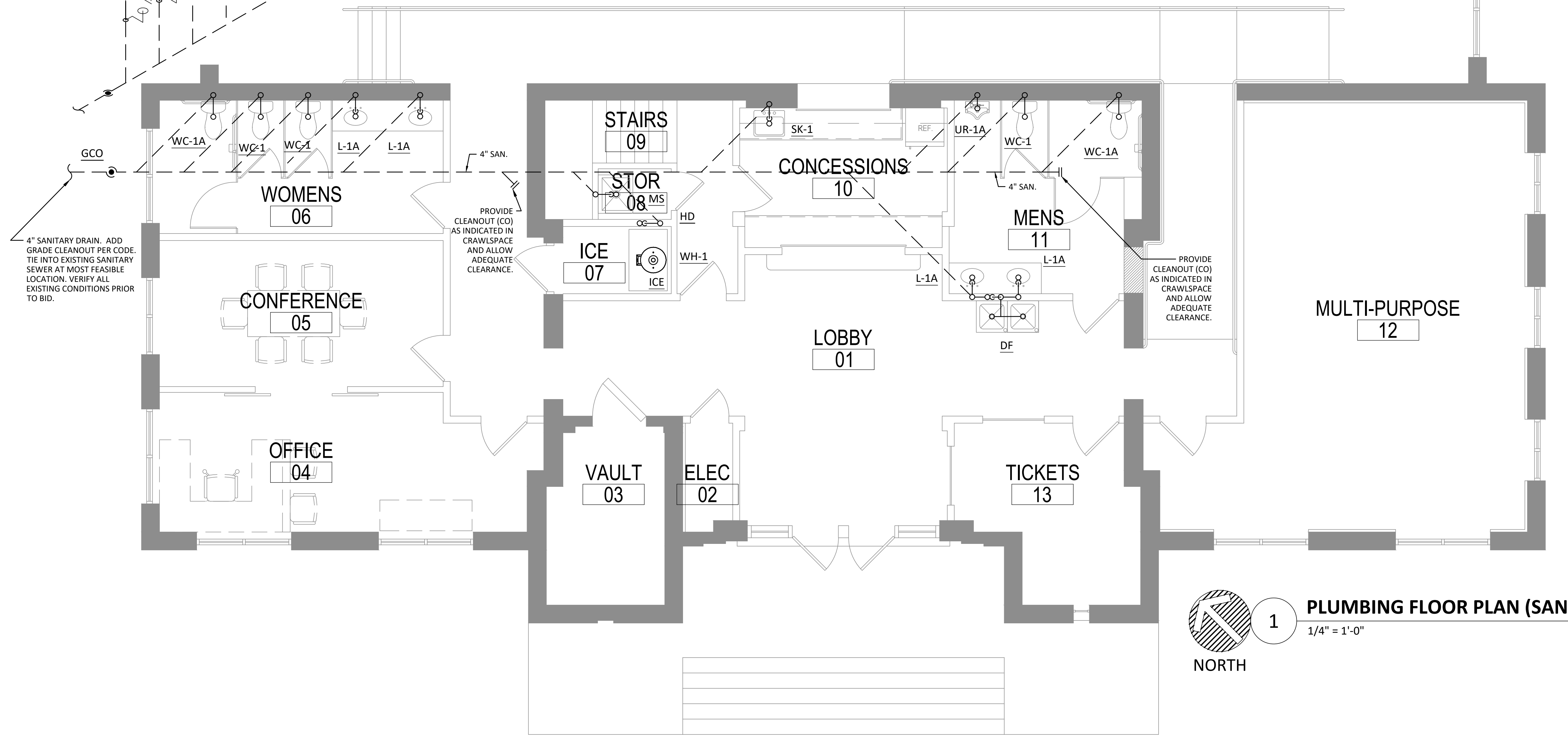
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6-23-23

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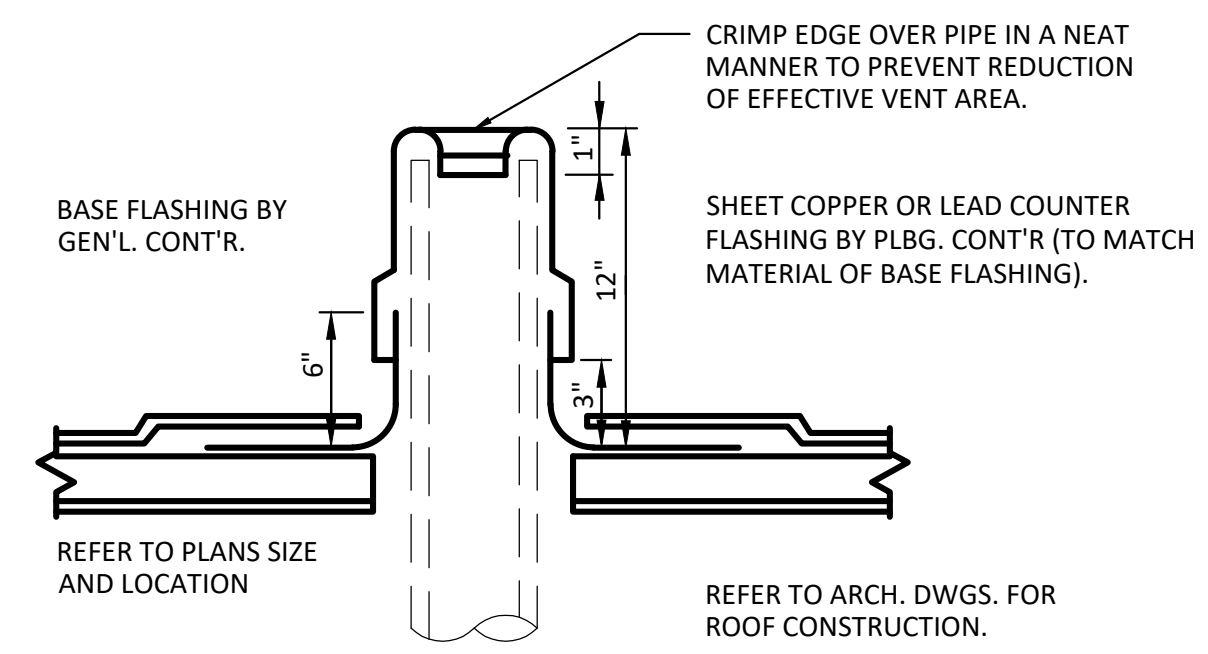




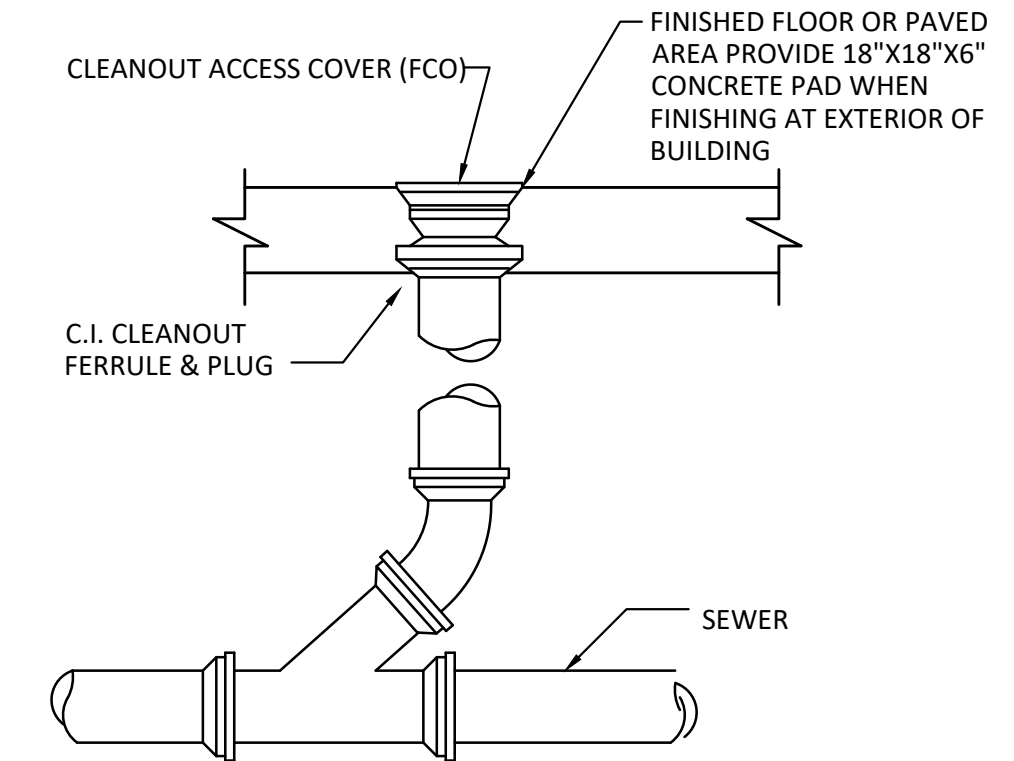
**4 SANITARY RISER DIAGRAM**  
NO SCALE




**1 PLUMBING FLOOR PLAN (SANITARY)**  
1/4" = 1'-0"



**3 PLUMBING VENT THROUGH ROOF DETAIL**  
NO SCALE



**2 CLEANOUT DETAIL**  
NO SCALE



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**22-43**

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Project Date:  
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**PLUMBING FLOOR PLAN (SANITARY)**

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**P1.2**

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ELECTRICAL DEMOLITION/RENOVATION NOTES:

1. ELECTRICAL CONTRACTOR SHALL VISIT THE JOBSITE PRIOR TO BID TO FAMILIARIZE HIM/HERSELF WITH EXISTING CONDITIONS AND THOROUGHLY EXAMINE ALL AREAS REQUIRING DEMOLITION/RENOVATION WORK. EC SHALL INCLUDE ALL LABOR AND INCIDENTALS IN BID WHICH MAY BE NECESSARY TO PERFORM REQUIRED DEMOLITION/RENOVATION WORK. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE BECAUSE OF ANY ERROR DUE TO THE ABSENCE OF KNOWLEDGE ABOUT THE SITE OR THE WORK.
2. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOLLOWING THE REQUIREMENTS FOR DEMOLITION/RENOVATION WORK WITHIN THE GOVERNING MUNICIPALITY.
3. ANY RENOVATION WORK OF EXISTING INSTALLATIONS INCLUDED IN THESE PLANS IS BASED ON INFORMATION PROVIDE TO THE ENGINEER AND/OR THE ENGINEER'S FIELD OBSERVATIONS. EC TO NOTIFY THE ENGINEER OF DISCREPANCIES FOUND IN THE EXISTING INSTALLATION AND THE WORK SHOWN IN THESE DRAWINGS THAT MAY ADVERSELY AFFECT THE COST OR SCOPE OF WORK.
4. WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVAL, NEW OR RELATED WALL OPENINGS, ETC.) RESULTS IN THE REMOVAL, REFEEDING, OR RELOCATION OF LIGHTING FIXTURES OR ELECTRICAL DEVICES, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT OR RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING ON THAT CIRCUIT SYSTEM.
5. WHERE DEMOLITION DISRUPTS ELECTRICAL CONTINUITY OF EXISTING RECEPTACLES/LIGHTING FIXTURES, AND NO RECONNECTION IS SHOWN, RECONNECT TO ITS EXISTING CIRCUIT.
6. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON THE DRAWINGS. PROVIDE PROPER DIMENSIONS NOT SHOWN PRIOR TO EQUIPMENT FABRICATION.
7. EC SHALL DISCONNECT AT SOURCE AND REMOVE ALL ELECTRICAL EQUIPMENT (WHICH INCLUDES BUT IS NOT LIMITED TO DEVICES, FIXTURES, WIRING (CIRCUITRY), CABLING, CONDUIT, ETC.) AND SHALL GIVE THE OWNER AN OPPORTUNITY TO KEEP DEMOLISHED ELECTRICAL EQUIPMENT PRIOR TO THEM BEING DISCARDED. COORDINATE WITH OWNER PRIOR TO COMMENCEMENT OF DEMOLITION. ANY/ALL NON-CLAIMED ITEMS BY THE OWNER ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE REMOVED FROM THE SITE AND PROPERLY AND LEGALLY DISPOSED OF OR RECYCLED.
8. ALL UNUSED/ABANDONED CONDUIT AND CABLES/CONDUCTORS SHALL BE REMOVED.
9. CONTRACTOR SHALL CLEAN AND TIGHTEN LUGS ON ALL EXISTING EQUIPMENT, INCLUDING PANELS, DISCONNETS, SWITCHES, ETC.

ELECTRICAL GENERAL NOTES AND SPECIFICATIONS:

1. ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES AND 2014 NATIONAL ELECTRICAL CODE (NEC) WITH ALABAMA AMENDMENTS (IF APPLICABLE).
2. THE ELECTRICAL WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL ELECTRICAL WORKS AS SHOWN ON THESE DRAWINGS.
3. COORDINATE LOCATION OF LIGHT FIXTURES IN AREAS OF MECHANICAL DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR. RELOCATE LIGHT FIXTURES, WIRING AND CONDUIT IF NECESSARY AS DIRECTED BY THE ARCHITECT/ENGINEER.
4. ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, OR WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION.
5. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
6. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL JUNCTION BOXES AND COMPONENTS SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.
7. REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE ELECTRICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK.
8. ALL CONDUIT MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
9. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH ALL EQUIPMENT.
10. THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP.
11. PROVIDE A NEW DIRECTORY FOR ALL PANELS. CORRECTLY LABEL ALL CIRCUITS, SPACES AND SPARES PER NEC 408.4.
12. ALL RECESSED LIGHTING FIXTURES SHALL BE FASTENED TO STRUCTURE OR GRID PER NEC 410.
13. ALL PENETRATIONS THROUGH FIRE WALL AND FLOORS SHALL BE FIRE STOPPED WITH 3M FIRE BARRIER OR EQUAL PRODUCT MEETING UL 1479 OR ASTM E814 FIRE RATING IN ACCORDANCE WITH NEC ARTICLE 300.21.
14. MOUNTING HEIGHTS FOR DEVICES ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
15. ALL BRANCH CIRCUITS SHALL BE WIRED 2#12, 1#12G, 1/2"Ø. MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM 3/4" CONDUIT.
16. UNLESS NOTED OTHERWISE, MULTIWIRE BRANCH CIRCUITS MAY BE USED WHERE APPLICABLE FOR THE SAME LOAD TYPE UTILIZING A COMMON NEUTRAL FOR UP TO THREE (3) CIRCUITS OF A DIFFERENT PHASE EXCEPT FOR CIRCUITS RATED MORE THAN 20 AMPS, MULTI-PHASE CIRCUITS, CIRCUITS DEDICATED TO COMPUTER EQUIPMENT AND CIRCUITS SERVING ONLY ONE OUTLET OR DEVICE. OVERCURRENT PROTECTION SHALL COMPLY WITH NEC 210.4.
17. PROVIDE A SEPARATE GREEN, INSULATED, #12AWG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS. PROVIDE GROUND THROUGH ENTIRE CONDUIT RUN TO THE LAST DEVICE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT. PROVIDE GROUNDING PER NEC 250.
18. ALL SWITCHES FOR LIGHTS, FANS, ETC., WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA, SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
19. ARMORED CABLE MAY BE USED IN WALLS AND MILLWORK ONLY (WHERE ACCEPTABLE BY OWNER AND AHJ) AND MUST BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE PLENUM SHALL BE EMT. ALL HOMERUNS SHALL BE IN CONDUIT RAN FROM THE FIRST DEVICE OR LIGHT FIXTURE TO THE PANEL.
20. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF OUTLETS, LIGHT FIXTURES, AND PARTITIONS. FINISHES FOR DEVICES AND COVER PLATES SHALL BE AS SELECTED BY ARCHITECT.
21. LIGHT FIXTURES SHALL BE AS SCHEDULED, WITH ONLY PRE-APPROVED EQUAL FIXTURES ACCEPTABLE.
22. RACEWAYS: RIGID GALVANIZED STEEL FOR ALL EXPOSED LOCATIONS WHERE SUBJECT TO DAMAGE OR THE ELEMENTS; EMT FOR CONCEALED, DRY LOCATIONS, UNLESS NOTED OTHERWISE; SCHEDULE 40 PVC BELOW GRADE.
23. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE ON PLANS. CONDUCTORS FOR SIZES NO. 10 AND SMALLER SHALL BE TYPE "THWN" OR "THHN/THWN". CONDUCTORS FOR SIZES NO. 8 AND LARGER SHALL BE TYPE "XHHW". SOLID CONDUCTORS TERMINATING IN A BREAKER OR DEVICE SHALL BE UTILIZED FOR WIRE SIZE NO. 12. MINIMUM WIRE SIZE SHALL BE NO. 12.
24. ALL BOXES SHALL BE PRESSED STEEL, SINGLE PIECE (NON-GANGABLE) TYPE.
25. ALL COVER PLATES FOR DEVICES AND JUNCTION BOXES SHALL HAVE CIRCUIT NUMBERS LABELED WITH INDELIBLE INK MARKER. DEVICE COVERS SHALL BE LABELED ON THE BACK; JUNCTION BOX COVERS SHALL BE LABELED ON THE FRONT.
26. RECEPTACLES SHALL BE 120 VOLT, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, P&S, OR LEVITON. COLOR FOR DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT. PROVIDE TAMPER-RESISTANT RECEPTACLES IN ALL AREAS REQUIRED BY NEC 406.12.

SINGLE RECEPTACLE

DUPLEX RECEPTACLE

GFCI RECEPTACLE

#HBL5361X

#HBL5352X

#GF5352X
27. SWITCHES SHALL BE 120/277V, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, P&S, OR EAGLE. COLOR FOR DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT..

SINGLE POLE

THREE WAY

FOUR WAY

(ADD "L" SUFFIX FOR KEYED LOCKING TYPE)

#HBL1221X

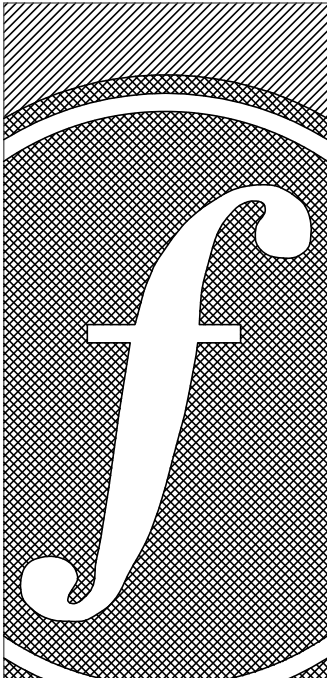
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#HBL1224X
28. PANELBOARDS, MOTOR STARTERS, SAFETY SWITCHES (HEAVY DUTY), ETC. SHALL BE AS MANUFACTURED BY ABB-GENERAL ELECTRIC, SQUARE D, SIEMENS, OR EATON. ALL BREAKERS SHALL BE "BOLT-ON" TYPE.
29. FUSED DISCONNECT SWITCHES SHALL HAVE REJECTION TYPE FUSE CLIPS WITH DUAL ELEMENT CURRENT LIMITING FUSES AT RATINGS SHOWN ON PLANS. THE UL SHORT CIRCUIT RATING SHALL BE 200,000 AMPS RMS SYS. USE CLASS J FUSES FOR 1 TO 600 AMPS AND CLASS L FUSES ABOVE 600 AMPS.
30. FOR EQUIPMENT THAT IS TO BE WIRED BY ELECTRICAL CONTRACTOR AND FURNISHED BY OTHERS, ELECTRICAL CONTRACTOR SHALL REVIEW ALL SPECIFICATION SECTIONS, EQUIPMENT SCHEDULES, AND/OR DETAILS THROUGHOUT DOCUMENTS THAT PERTAIN TO THIS EQUIPMENT AND INCLUDE ALL WIRING AND DEVICES REFERENCED IN THEIR BIDS. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF THIS EQUIPMENT WITH RESPECTIVE CONTRACTOR PRIOR TO ROUGH-IN.
31. CONTRACTOR SHALL INSTALL CONDUCTORS SIZED FOR VOLTAGE DROP BASED ON TOTAL DEVELOPED LENGTH OF CIRCUIT. VOLTAGE DROP SHALL NOT EXCEED 3%.
32. DO NOT MOUNT DEVICES BACK TO BACK. OFFSET ONE SIDE TO THE NEXT STUD SPACE.
33. ALL CEILING MOUNTED RECEPTACLES AND VOICE/DATA OR CATV OUTLETS ARE NOT TO BE SUPPORTED BY THE CEILING. THE OUTLET BOXES SHOULD HAVE VERTICAL AND HORIZONTAL SUPPORT FROM THE STRUCTURE ABOVE.
34. ALL MATERIALS WITHIN PLENUMS ARE REQUIRED TO BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX SPEED OF NOT MORE THAN 50 AS DETERMINED WITH ASTM E84.
35. COORDINATE SETTINGS OF OCCUPANCY SENSORS AND LIGHTING CONTROL PANEL WITH OWNER PRIOR TO PROJECT COMPLETION.

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT ON CENTER (COORD. WITH ARCH.)
	LED LIGHT FIXTURE	
	EMERGENCY EGRESS LIGHT FIXTURE	
	EXIT SIGN (PROVIDE FACES AND ARROWS AS SHOWN)	
	CONDUIT RUN CONCEALED IN WALL OR CEILING (IF POSSIBLE). IF CONDUIT IS REQUIRED TO BE EXPOSED, ROUTE PARALLEL/PERPENDICULAR TO WALLS AND STRUCTURE.	
	CONDUIT RUN CONCEALED IN THE FLOOR, UNDERGROUND, OR UNDER THE ELEVATED SLAB	
	CIRCUITS HOMERUN TO THE PANEL	
	NUMBER OF CONDUCTORS (GROUND NOT SHOWN)	
	FLEXIBLE CONDUIT OR CORD	
	PLYWOOD BACKBOARD	
	DUPLEX RECEPTACLE – WALL MOUNTED UNLESS NOTED OTHERWISE	18" UNO
	GFCI DUPLEX RECEPTACLE <u>OR</u> RECEPTACLE CONNECTED TO GFCI BREAKER (IF SHOWN IN PB SCHEDS) – WALL MTD	18" UNO
	OUTLET ABOVE THE COUNTER OR OUTLET MOUNTED ABOVE NORMAL MOUNTING HEIGHT	6" AC UNO/AS NOTED
	QUADRUPLX RECEPTACLE – WALL MOUNTED	18" UNO
	SINGLE RECEPTACLE – WALL MOUNTED	18" UNO
	SPECIAL AMP/VOLT RECEPTACLE – WALL MOUNTED	18" UNO
	FLOOR MOUNTED RECEPTACLE	
	VOICE AND DATA OUTLET – WALL MOUNTED	18" UNO
	TELEVISION CABLE OUTLET – WALL MOUNTED UNLESS NOTED OTHERWISE	18" UNO
	JUNCTION BOX	
	JUNCTION BOX – WALL MOUNTED	
	SPST SWITCH – WALL MOUNTED	48"
	3-WAY SWITCH – WALL MOUNTED	48"
	4-WAY SWITCH – WALL MOUNTED	48"
	DIMMER SWITCH – WALL MOUNTED (PROVIDE WATTAGE/TYPE TO MATCH FIXTURE DIMMING DRIVER TYPE)	48"
	3-WAY DIMMER SWITCH – WALL MOUNTED (PROVIDE WATTAGE/TYPE TO MATCH FIXTURE DIMMING DRIVER TYPE)	48"
	KEYED SWITCH – WALL MOUNTED	48"
	TIMER SWITCH – WALL MOUNTED – WATTSTOPPER TS-400 OR EQUAL	48"
	WALL MOUNTED OCCUPANCY SENSOR (SINGLE RELAY) – WATTSTOPPER PW-100 OR EQUAL	48"
	WALL MOUNTED OCCUPANCY SENSOR (DUAL RELAY) – WATTSTOPPER PW-200 OR EQUAL	48"
	WALL MOUNTED OCCUPANCY SENSOR AND 0-10V DIMMER – LSI WS10-0S-XX OR EQUAL	48"
	CEILING MOUNTED OCCUPANCY SENSOR – WATTSTOPPER DT-300 OR EQUAL	
	OCCUPANCY SENSOR POWER PACK	
	120/208 VOLT PANELBOARD OR DISTRIBUTION PANEL – FLUSH OR SURFACE MOUNTED AS INDICATED IN SCHEDULE	
	DISCONNECT (FRAME AND POLES TO MATCH OCP OR AS NOTED)	
AC	ABOVE COUNTER	
AFF	ABOVE FINISHED FLOOR	
EC / MC / PC	ELECTRICAL CONTRACTOR / MECHANICAL CONTRACTOR / PLUMBING CONTRACTOR	
NL	NIGHT LIGHT (ON 24 HRS A DAY)	
UNO	UNLESS NOTED OTHERWISE	
WP	WEATHER PROOF. FOR GFCI RECEPTACLES IN DAMP OR WET LOCATIONS, PROVIDE ENCLOSURE TYPES AND DEVICES PER NEC 406.9(A) AND 406.9(B). FOR DISCONNECTS, PROVIDE MINIMUM NEMA 3R.	



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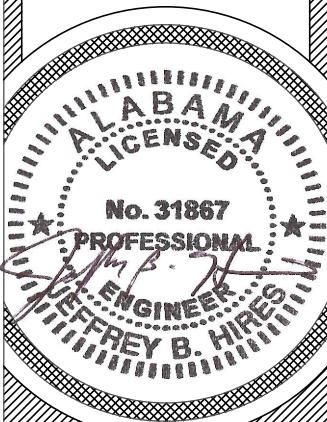
Design By:  
MGD

Project Date:  
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ELECTRICAL  
NOTES/SPECS AND  
LEGEND



E0.1

Sheet Number



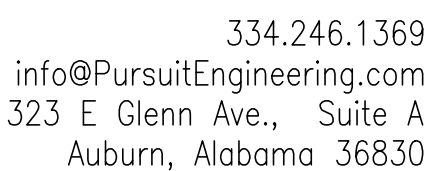
1. DO NOT MOUNT DEVICES BACK TO BACK. OFFSET ONE SIDE TO THE NEXT STUD SPACE.
2. VOICE/DATA AND CATV OUTLETS SHOWN BESIDE RECEPTACLE OUTLETS ARE TO BE MOUNTED AT SAME HEIGHT AS RECEPTACLE OUTLET.
3. COORDINATE MOUNTING HEIGHTS OF ALL OUTLETS SHOWN MOUNTED ABOVE NORMAL MOUNTING HEIGHT WITH COUNTERTOPS AND/OR OWNER/ARCHITECT PRIOR TO ROUGH-IN.

1. PROVIDE AN OUTLET BOX WITH 3/4" NDUIT WITH PLASTIC BUSHING ON END TO 6" ABOVE NEAREST ACCESSIBLE CEILING OR ATTIC (OR UP NEAR STRUCTURE FOR AREAS WITH NO CEILING) FOR ALL VOICE/DATA, SOUND SYSTEM, CATV, AND SECURITY SYSTEM DEVICES. PROVIDE A PULLSTRING IN ALL EMPTY CONDUIT. PROVIDE POWER AS REQUIRED FOR ALL SECURITY DEVICES FROM SPARE CIRCUIT(S) IN PANEL "LPL".
2. PROVIDE (2) CAT6 CABLES ROUTED FROM EACH VOICE/DATA OUTLET SHOWN ON PLANS TO TBB IN ROOM 10. EACH CABLE SHALL BE TERMINATED (PER EIA/TIA 568-B), TESTED, AND CERTIFIED. COORDINATE PREFERRED JACKS, COVERPLATES, AND LABELING SCHEME WITH OWNER.
3. COORDINATE/CONFIRM ANY ADDITIONAL REQUIREMENTS FOR THE ABOVE REFERENCED SYSTEMS WITH OWNER PRIOR TO BID.

	WIREMOLD RFB4E-CI SERIES FLOOR BOX (OR APPROVED EQUAL). PROVIDE (1) 3/4". FOR POWER, (1) 1-1/4". (WITH PULLSTRING) ROUTED TO ABOVE NEAREST ACCESSIBLE CEILING FOR VOICE/DATA, AND (1) 1-1/2". (WITH PULLSTRING) ROUTED TO JUNCTION BOX BEHIND TV FOR AV CABLING. COORDINATE DESIRED COVER AND DEVICES WITH OWNER/GENERAL CONTRACTOR PRIOR TO ORDERING.
2	FOR TV. PROVIDE BRUSH PASS-THROUGH ON JUNCTION BOX BEHIND TV FOR AV CABLING. COORDINATE MOUNTING HEIGHT OF THESE DEVICES WITH TV/TV MOUNT PRIOR TO ROUGH-IN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PROVIDER/INSTALLER PRIOR TO ROUGH-IN.
3	FOR TV. COORDINATE MOUNTING HEIGHT OF THESE DEVICES WITH TV/TV MOUNT PRIOR TO ROUGH-IN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PROVIDER/INSTALLER PRIOR TO ROUGH-IN.
4	WIREMOLD RFB6E-CI SERIES FLOOR BOX (OR APPROVED EQUAL). PROVIDE (1) 3/4". FOR POWER, (1) 1-1/4". (WITH PULLSTRING) ROUTED TO ABOVE NEAREST ACCESSIBLE CEILING FOR VOICE/DATA, AND (2) 1-1/2". (WITH PULLSTRING) ROUTED TO <u>EXISTING</u> JUNCTION BOX BEHIND SCOREBOARD FOR ALL SCOREBOARD CONTROL CABLING. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PROVIDER/INSTALLER PRIOR TO ROUGH-IN.
5	FOR SCOREBOARD. IF EXISTING JUNCTION BOX IS NOT USABLE, PROVIDE <u>NEW</u> JUNCTION BOX IN WALL BEHIND SCOREBOARD. COORDINATE MOUNTING HEIGHT OF THESE DEVICES WITH SCOREBOARD PROVIDER/ARCHITECT PRIOR TO ROUGH-IN. COORDINATE EXACT REQUIREMENTS WITH PROVIDER/INSTALLER PRIOR TO ROUGH-IN. TERMINATE ALL CONDUIT/CONDUCTORS AS REQUIRED BY THE SCOREBOARD PROVIDER.
6	FOR BASKETBALL GOAL WINCH SYSTEM. PROVIDE 3/4". WITH CONDUCTORS AS REQUIRED TO THE CONTROL SWITCH JUNCTION BOX LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH WINCH PROVIDER/ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ALL CONDUIT/CONDUCTORS AS REQUIRED BY THE WINCH PROVIDER.
7	FOR BASKETBALL GOAL HEIGHT ADJUSTMENT SYSTEM. PROVIDE 3/4". WITH CONDUCTORS AS REQUIRED TO THE CONTROL SWITCH JUNCTION BOX LOCATION AND TO THE BASKETBALL GOAL HEIGHT ADJUSTMENT MOTOR LOCATED ON THE GOAL STRUCTURE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH WINCH PROVIDER/ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ALL CONDUIT/CONDUCTORS AS REQUIRED BY THE BASKETBALL GOAL HEIGHT ADJUSTMENT SYSTEM PROVIDER.
8	PROVIDE AS PART OF ALTERNATE PRICING. IF ALTERNATE IS NOT TAKEN, SUPPLY (3) 20A/1P SPARE BREAKERS IN THE PANEL IN LIEU OF THE SPECIFIED 3-POLE BREAKER. SEE SHEET E5.0 FOR MORE INFORMATION.

HVAC/PLUMBING EQUIPMENT ELECTRICAL CONNECTION SCHEDULE						
TAG	LOAD	VOLT./~	CIRCUIT DESIGNATION	BREAKER	BRANCH CIRCUIT	NOTE
EX-PHP	30 MCA	208/1	LPL-1,3	40/2	2#8, 1#10G, 3/4" C.	WP DISCONNECT BY EC
PHP-1	68 MCA	208/1	LPL-5,7	70/2	2#4, 1#8G, 1-1/4" C.	WP DISCONNECT BY EC
PHP-G1	120 MCA	208/3	LPL-8,10,12	125/3	3#1, 1#6G, 1-1/2" C.	WP DISCONNECT BY EC
PHP-G2	120 MCA	208/3	LPL-14,16,18	125/3	3#1, 1#6G, 1-1/2" C.	WP DISCONNECT BY EC
EF-1	83 W	120/1	CTRL WITH LIGHTS - SEE PLANS	20/1	2#12, 1#12G, 3/4" C.	DISCONNECT BY EC
EF-2	90 W	120/1	CTRL WITH LIGHTS - SEE PLANS	20/1	2#12, 1#12G, 3/4" C.	DISCONNECT BY EC
WH-1	4.5 kW	208/1	LPL-9,11	30/2	2#10, 1#10G, 3/4" C.	DISCONNECT BY EC

1. CONFIRM EXACT ELECT. REQUIREMENTS AND LOCATIONS OF MC/PC PROVIDED HVAC/PLUMBING EQUIPMENT PRIOR TO ROUGH-IN.
2. ALL DISCONNECTS LOCATED OUTSIDE SHALL BE WEATHERPROOF.
3. PROVIDE HACR TYPE BREAKERS FOR CIRCUITS FEEDING HACR TYPE EQUIPMENT.
4. PROVIDE COMBINATION STARTER/DISCONNECT OR MOTOR RATED SWITCH (IF APPLICABLE) FOR ALL EQUIPMENT WITHOUT INTEGRAL DISCONNECTING MEANS OR AS NOTED ABOVE. COORDINATE MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN. INTERLOCK WITH ALL REQUIRED DEVICES PER MECHANICAL REQUIREMENTS (SEE SHEET M0.1).
5. WIRING METHODS FOR HVAC EQUIPMENT SHALL COMPLY WITH NEC ARTICLE 300.



Sheet Number

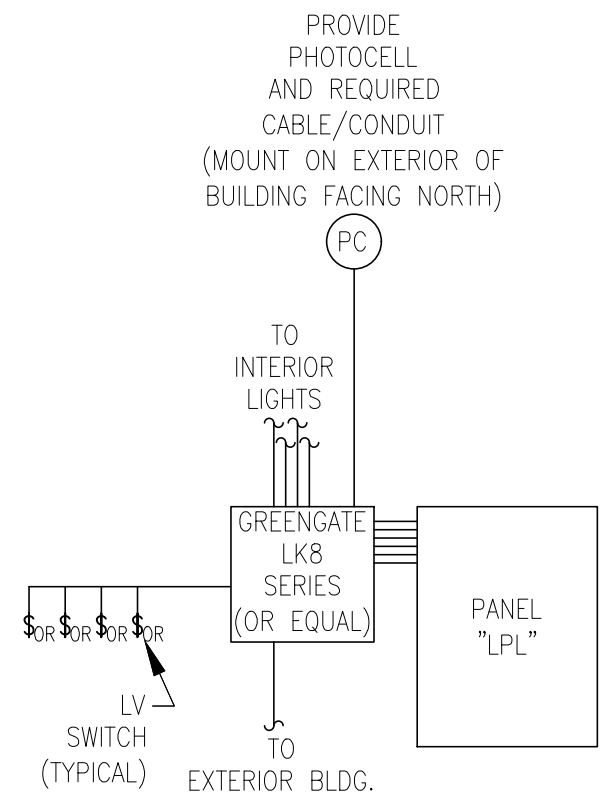


GENERAL NOTES (APPLY TO THIS SHEET ONLY):

1. COORDINATE/CONFIRM EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES SHOWN ON THIS SHEET WITH ARCHITECT PRIOR TO INSTALLATION.
2. COORDINATE/CONFIRM WITH OWNER WHICH LIGHTS FIXTURES THEY DESIRE TO BE NIGHT LIGHTS (ON 24/7), IF ANY, WIRE THESE LIGHTS TO UNSWITCHED "HOT".
3. COORDINATE EXACT DESIRED SWITCHING ARRANGEMENT AND SWITCH LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.

KEYNOTES (APPLY TO THIS SHEET ONLY):

- 1 CONNECT TO UNSWITCHED "HOT" FROM LIGHTING CIRCUIT FEEDING THIS AREA.
- 2 ROUTE THROUGH RELAY (# INDICATED BY "R#") OF LIGHTING CONTROL PANEL. SEE DETAIL 2 ON THIS SHEET FOR MORE INFORMATION.
- 3 CONNECT SWITCHED "HOT" TO NORMAL DRIVER AND UNSWITCHED "HOT" TO EMERGENCY BATTERY PACK.
- 4 PROVIDE 3#12, 3/4" C CONNECTED TO CORRESPONDING 3-WAY OR 4-WAY SWITCH(ES) IN THIS AREA.



2 LIGHTING CONTROL DETAIL

NOT TO SCALE

LIGHTING CONTROL NOTES:

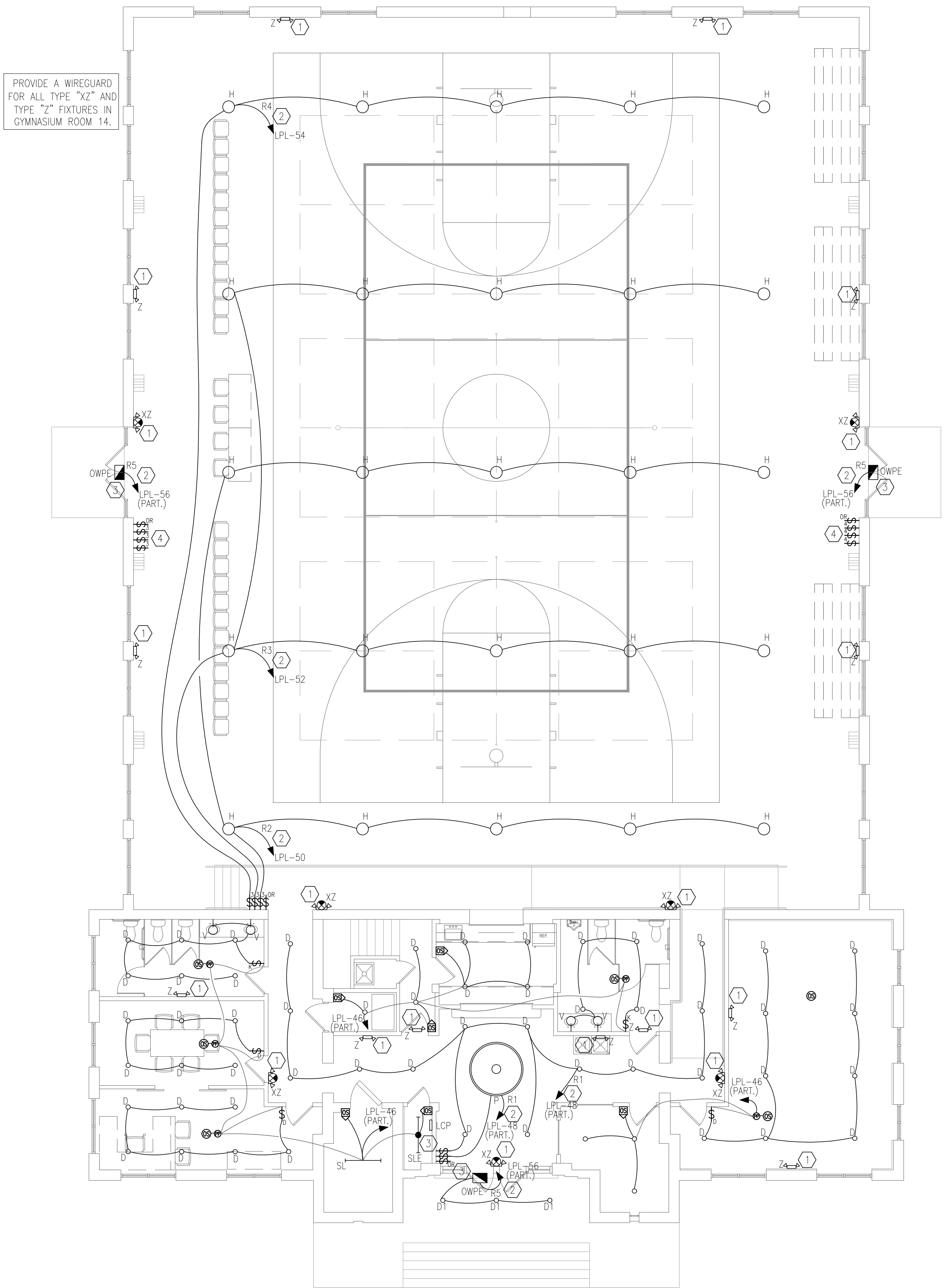
1. PROVIDE LOW VOLTAGE OVERRIDE SWITCH(ES) (GREENGATE GMD5 SERIES OR EQUAL) - QTY AS SHOWN ON PLANS - FOR AUTOMATIC SHUTOFF/OVERRIDE OF INTERIOR LIGHTING RELAYS. PROVIDE LOW VOLTAGE CABLING FROM SWITCH(ES) TO ASSOCIATED LCP AS REQUIRED. COORDINATE/CONFIRM DESIRED MOUNTING LOCATION OF SWITCH(ES) WITH ARCHITECT PRIOR TO ROUGH-IN.
2. PROVIDE 120V POWER TO LCP VIA DEDICATED 20A/1P CIRCUIT FROM: LPL-44 VIA 2#12, 1#12G, 1/2" C.

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	LAMP TYPE	MANUFACTURER/MODEL	NOTES
D	6" APERTURE RECESSED LED DOWNLIGHT WITH 4000 LUMENS OUTPUT, WHITE FLANGE, WIDE DISTRIBUTION, SEMI-SPECULAR FINISH, AND 0-10V DIMMING DRIVER.	LED - 39W [4000K]	GOATHAM EVO6 SERIES OR EQUAL	
D1	6" APERTURE RECESSED LED DOWNLIGHT WITH 4000 LUMENS OUTPUT, BLACK FLANGE, WIDE DISTRIBUTION, SEMI-SPECULAR FINISH, AND 0-10V DIMMING DRIVER.	LED - 39W [4000K]	GOATHAM EVO6 SERIES OR EQUAL	
H	ROUND LED HIGHBAY FIXTURE WITH 24000 LUMEN OUTPUT, POLYCARBONATE FROSTED LENS, WIREGUARD, AND 3/4" STEM MOUNTING.	LED - 174W [4000K]	LITHONIA JEBL SERIES OR EQUAL	MOUNT BOTTOM OF FIXTURE EVEN WITH BOTTOM OF TRUSSES
SL	4', LED LENSED STRIP FIXTURE WITH 5000 LUMEN OUTPUT, WIREGUARD, AND 0-10V DIMMING DRIVER.	LED - 41W [4000K]	LITHONIA ZL1D SERIES OR EQUAL	
SLE	4', LED LENSED STRIP FIXTURE WITH 5000 LUMEN OUTPUT, WIREGUARD, 0-10V DIMMING DRIVER, AND EMERGENCY BATTERY PACK.	LED - 41W [4000K]	LITHONIA ZL1D SERIES OR EQUAL	
OWPE	FULL CUTOFF, LED WALL MOUNTED LUMINAIRE WITH 20 LEDS, 700mA DRIVE CURRENT, TFM DISTRIBUTION, AND EMERGENCY BATTERY PACK. FINISH TO BE SELECTED BY ARCHITECT.	LED - 46W [4000K]	LITHONIA LIGHTING DSXW1 SERIES OR EQUAL	CONFIRM MOUNTING HEIGHT WITH ARCHITECT
P	LED PENDANT FIXTURE TO BE SELECTED BY ARCHITECT.	LED - TBS [4000K]	TBS	CONTRACTOR TO PROVIDE A \$2,500.00 ALLOWANCE.
V	3-LIGHT VANITY FIXTURE WITH POLISHED CHROME FINISH AND ETCHED WHITE LINEN GLASS	100W LED EQUIVALENT WITH E26 BASE [4000K]	PROGRESS LIGHTING MODEL #P300018-05 OR EQUAL	MOUNT AT 6'-8" WITH LIGHTS FACING UPWARDS.
XZ	COMBO EMERGENCY/EXIT FIXTURE. WHITE WITH RED LETTERS. PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN. WALL OR CEILING MOUNT AS REQUIRED.	LED	LITHONIA ECBR SERIES OR EQUAL	
Z	2-HEAD EMERGENCY FIXTURE WITH BATTERY.	LED	LITHONIA LIGHTING ELM6L SERIES OR EQUAL	

LIGHTING FIXTURE SCHEDULE NOTES:

1. CONFIRM VOLTAGE WITH DRAWINGS AND COORDINATE/CONFIRM ALL MOUNTING HEIGHTS, FINISHES, AND BRACKETS WITH OWNER/ARCHITECT PRIOR TO ORDERING AND INSTALLATION. ARCHITECT TO PROVIDE ALL FINISHES AND MOUNTING HEIGHTS OF ANY HANGING CEILING AND WALL MOUNTED FIXTURE TYPES.
2. PROVIDE MOUNTING OPTION(S) NECESSARY TO ACCOMMODATE CEILING AND FLOOR TYPES SPECIFIED BY ARCHITECTURAL DOCUMENTS FOR ALL RECESSED FIXTURES.
3. THE LAMP COLOR TEMPERATURE FOR ALL LAMP SOURCES SHALL BE AS NOTED IN LIGHTING FIXTURE SCHEDULE ABOVE. CONFIRM DESIRED COLOR TEMP WITH OWNER/ARCHITECT PRIOR TO ORDERING.

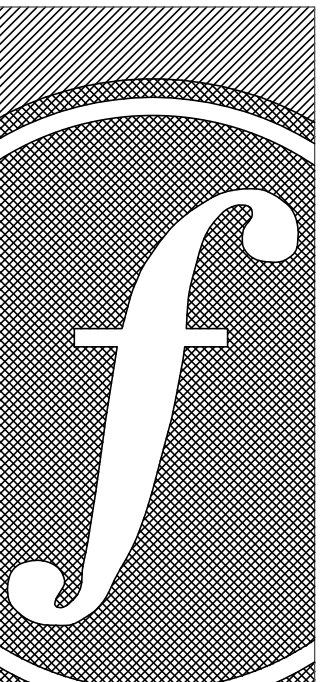


1 ELECTRICAL FLOOR PLAN - LIGHTING

1/8" = 1'-0"



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22-43

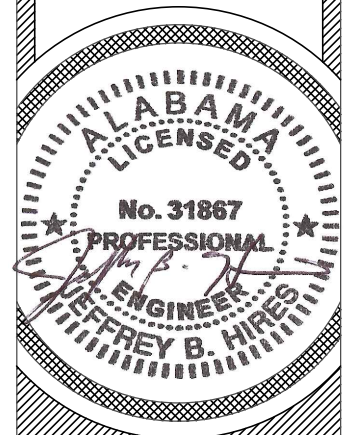
Design By:  
MGD

Project Date:  
6-23-23

Revisions:

ELBA REC CENTER  
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ELECTRICAL  
FLOOR PLAN - LIGHTING



E2.1

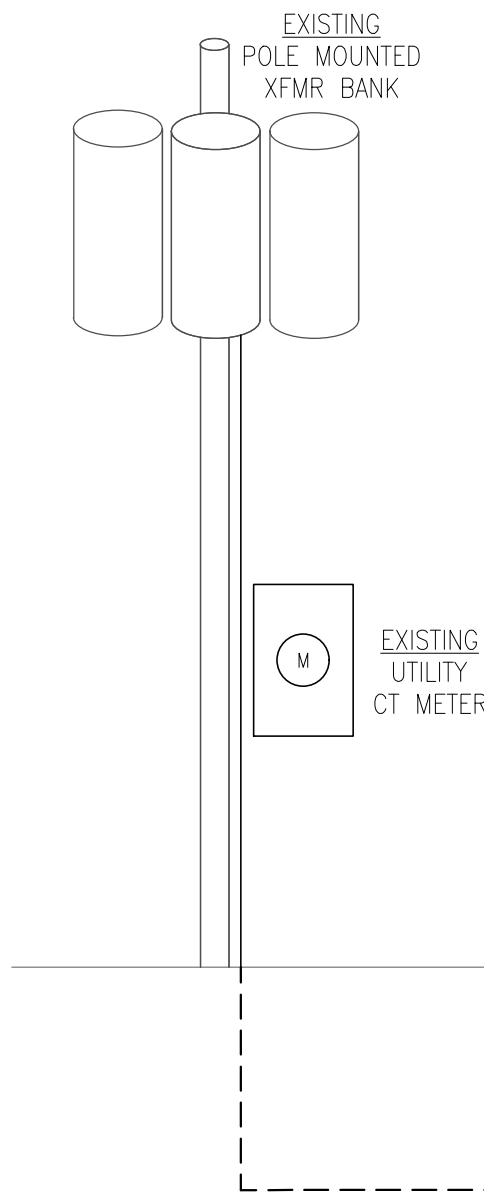
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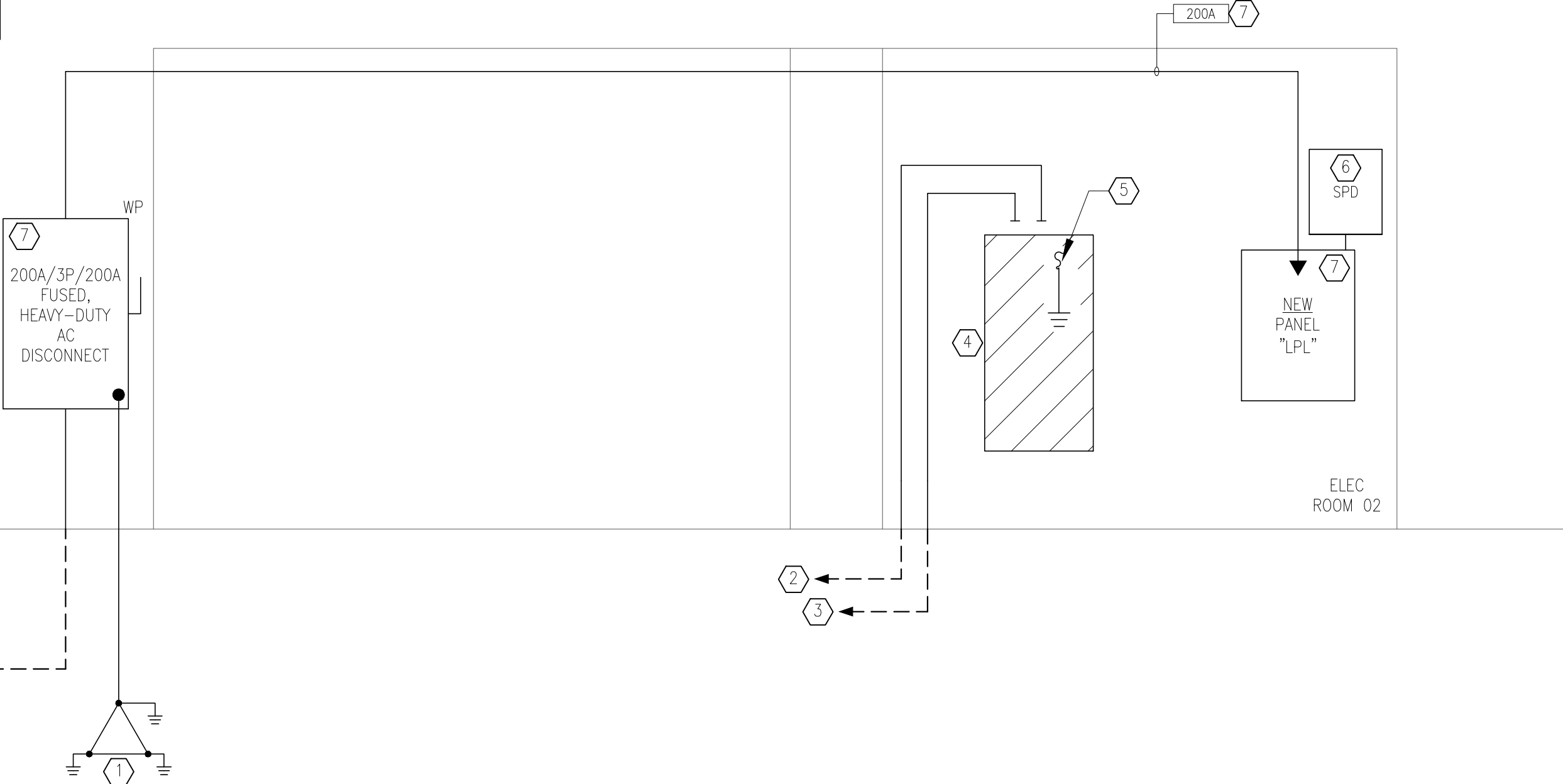
NEW PANEL LPL								AIC RATING: 22,000A MOUNTING: SURFACE	
VOLTAGE: 120/208V		3 PHASE / 4 WIRE							
AMP RATING: 200A		MAIN: MLO		# - PROVIDE GFCI TYPE BREAKER					
CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.	
1	40/2	EX-PHP	2.50	A	-	SPD	100/3	2	
3			2.50	B	-			4	
5			5.66	C	-			6	
7	70/2	PHP-1	5.66	A		PHP-G1 (ALTERNATE)	125/3	8	
9	30/2	WH-1	2.25	B				10	
11			2.25	C				12	
13	20/1	REC. - RM 02 (TBB)	0.36	A		PHP-G2 (ALTERNATE)	125/3	14	
15	20/1	RECS. - RM 04	0.90	B				16	
17	20/1	RECS. - RM 05	0.54	C				18	
19	20/1	RECS. - RM 05	1.08	A	1	REC. - RM 07 (ICE)	20/1	20	
21	20/1	RECS. - RM 06/08/11	0.72	B	0.9	RECS. - RM 01/EXT.	20/1	22	
23	20/1	REC. - RM 10 (DISP)	0.75	C	0.18	REC. - RM 10	20/1	24	
25	20/1	REC. - RM 10	0.18	A	1	REC. - RM 10 (REF)	20/1	26	
27	20/1	RECS. - RM 10	0.36	B	0.8	REC. - RM 01 (EWC)	# 20/1	28	
29	20/1	RECS. - RM 13	0.9	C	1	REC. - RM 13	20/1	30	
31	20/1	RECS. - RM 12	1.08	A	0.9	RECS. - RM 12	20/1	32	
33	20/1	RECS. - RM 14/EXT.	0.9	B	1	REC. - RM 14 (SCORE)	20/1	34	
35	20/1	RECS. - RM 14	0.72	C	0.72	RECS. - RM 14/EXT.	20/1	36	
37	20/1	RECS. - RM 14	0.72	A	0.72	RECS. - RM 14/EXT.	20/1	38	
39	20/1	REC. - RM 14 (SCORE)	1	B	0.408	SCOREBOARD LIFT	20/1	40	
41	20/1	SCOREBOARD WINCH	1	C	0.408	SCOREBOARD LIFT	20/1	42	
43	20/1	SCOREBOARD WINCH	1	A	0.5	LCP	20/1	44	
45	20/1	SPARE		B	1.915	LIGHTING	20/1	46	
47	20/1	SPARE		C	0.586	LIGHTING (R1)	20/1	48	
49	20/1	SPARE		A	1.74	LIGHTING (R2)	20/1	50	
51	20/1	SPARE		B	1.74	LIGHTING (R3)	20/1	52	
53	20/1	SPARE		C	0.87	LIGHTING (R4)	20/1	54	
55	20/1	SPARE		A	0.255	EXT. LIGHTING (R5)	20/1	56	
57	20/1	SPARE		B		SPARE	20/1	58	
59	20/1	SPARE		C		SPARE	20/1	60	
61		SPACE		A		SPACE		62	
63		SPACE		B		SPACE		64	
65		SPACE		C		SPACE		66	

LOAD SUMMARY

PHASE A	18.69	KVA	208	VOLTS PHASE-TO-PHASE
PHASE B	15.39	KVA		
PHASE C	15.58	KVA		
TOTAL CONNECTED	49.6592	KVA	137.8	AMPS



CONFIRM ALL NEW SERVICE AND METERING REQUIREMENTS AND XFMR LOCATION WITH LOCAL POWER COMPANY PRIOR TO BID



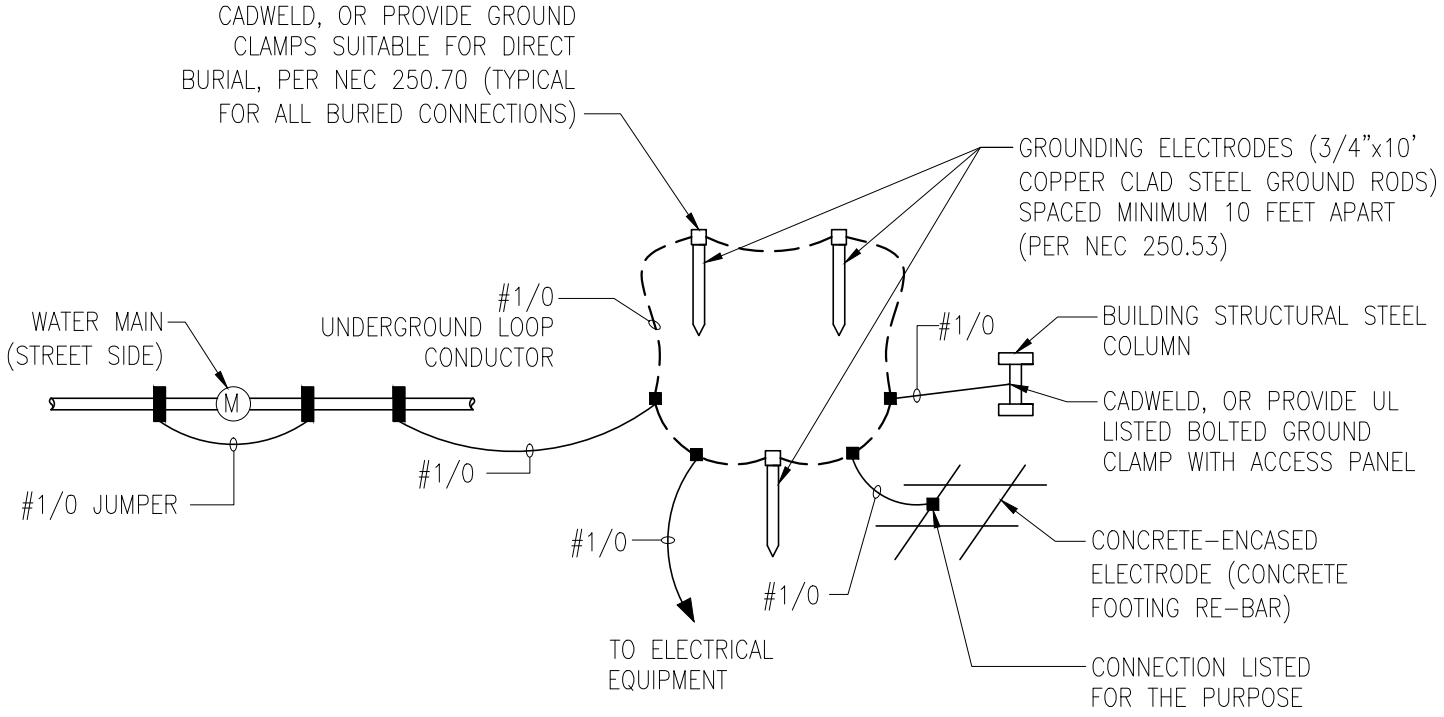
1 ELECTRICAL RISER DIAGRAM  
NOT TO SCALE

KEYNOTES (APPLY TO THIS SHEET ONLY):

- PROVIDE NEW GROUNDING SYSTEM PER NEC 250. SEE DETAIL 2 ON THIS SHEET. PROVIDE ALL APPLICABLE CONNECTIONS SHOWN ON DETAIL.
- TELEPHONE SERVICE - PROVIDE (1) 4" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE) - COORDINATE EXACT CONDUIT REQUIREMENTS AND TERMINATION LOCATION WITH TELEPHONE COMPANY PRIOR TO BID AND CONDUIT INSTALLATION. PROVIDE LONG SWEEP ELBOWS. CONDUIT TO BE BURIED MIN. 24" DEEP.
- CATV SERVICE - PROVIDE (1) 2" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE) - COORDINATE EXACT CONDUIT REQUIREMENTS AND TERMINATION LOCATION WITH TELEPHONE COMPANY PRIOR TO BID AND CONDUIT INSTALLATION. PROVIDE LONG SWEEP ELBOWS. CONDUIT TO BE BURIED MIN. 24" DEEP.
- PROVIDE 3/4" x 4"W x 8'H GRADE A PLYWOOD BACKBOARD - PAINT WITH FIRE RETARDANT PAINT.
- PROVIDE GROUND BUS BAR AND 1#6 INSULATED GROUND TO BUILDING GROUND.
- CURRENT TECHNOLOGY TG3-100 (OR EQUAL BY LIEBERT). MAXIMUM LEAD LENGTH OF 5'-0". WIRE PER MANUF. RECOMMENDATION. MOUNT ON TOP OR BOTTOM OF "LPL" WITH NIPPLE CONNECTION.
- IF ALTERNATE MECHANICAL UNITS (PHP-G1 AND PHP-G2) ARE INSTALLED, PROVIDE A 400A, 120/208V, 3-PHASE 66-CIRCUIT PANEL, A 400A SERVICE LATERAL (4#600 kcmil, 4°C), AND 400A, 250V, N3R, FUSED, HEAVY DUTY DISCONNECT SWITCH (FUSED AT 400A) IN LIEU OF THE 200A 66-CIRCUIT PANEL, 200A SERVICE LATERAL, AND 200A FUSED DISCONNECT SWITCH SHOWN. ALSO, PROVIDE A 400A FEEDER (4#600 kcmil, 1#3G, 4°C) FROM THE 400A FUSED DISCONNECT TO THE 400A PANEL IN LIEU OF THE 200A FEEDER SHOWN.
- PROVIDE AS PART OF ALTERNATE MECHANICAL UNIT (PHP-G1 AND PHP-G2) PRICING. IF ALTERNATE IS NOT TAKEN, SUPPLY (3) 20A/1P SPARE BREAKERS IN THE PANEL IN LIEU OF THE SPECIFIED 3-POLE BREAKER. SEE SHEET E5.0 FOR MORE INFORMATION.

NOTE: ALL CONDUCTORS SIZES IN THIS SCHEDULE ARE SIZED FOR COPPER.

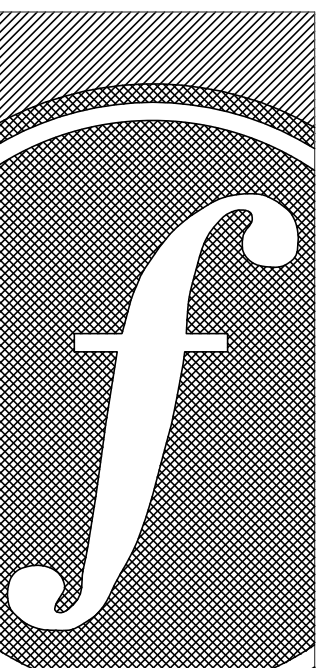
RISER DIAGRAM FEEDER SCHEDULE						
TAG	NUMBER OF SETS	CONFIG.	PHASE/NEUTRAL SIZE PER SET	EQUIP. GROUND PER SET	CONDUIT SIZE PER SET	NOTES
200A SL	1	3-PH, 4W	4 # 3/0	N/A	2-1/2"	SERVICE LATERAL
200A	1	3-PH, 4W+G	4 # 3/0	1 # 6	2-1/2"	
HI-COMPRESSION ("COMPACT") TYPE ALUMINUM CONDUCTORS MAY BE USED FOR THE FOLLOWING IF THE SAME OR LARGER CAPACITY OF THOSE COPPER CONDUCTORS AND CONDUIT SIZES SHOWN ARE ADJUSTED ACCORDINGLY: 1. SERVICE LATERALS 2. FEEDERS 100A CAPACITY OR GREATER NOTE: COPPER CONDUCTORS SHALL BE USED FOR ALL BRANCH CIRCUITS (INCLUDING HVAC).						



2 MAIN GROUNDING DETAIL  
NOT TO SCALE



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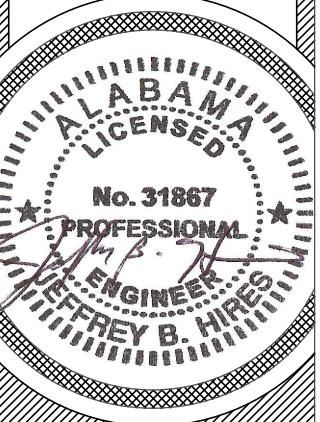


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ELECTRICAL RISER  
DIAGRAM AND PANEL  
SCHEDULE



E5.0  
Sheet Number