

# ORANGE BEACH RECREATION COMPLEX

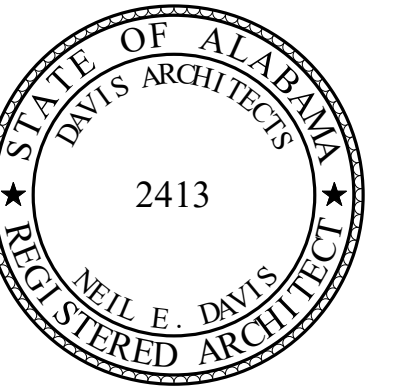
## NEW GYMNASIUM

CITY OF ORANGE BEACH; ORANGE BEACH, AL

DAI PROJECT # 3891.01  
OB# TBD  
BC# TBD

### 100% CONSTRUCTION DOCUMENTS

02-18-2019



ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM



CITY OF ORANGE BEACH;  
ORANGE BEACH, AL



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251-460-4646  
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**FIRE PROTECTION ENGINEER**  
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REV	DATE	DESCRIPTION
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DATE	2-18-2019
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TITLE	100% CONSTRUCTION DOCUMENTS
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ISSUED FOR	
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DESIGNED BY	DAVIS ARCHITECTS	PROJECT NO.	3891.01
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SHEET TITLE	COVER SHEET
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DRAWING NO.	G1.0
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**ABBREVIATIONS**

AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	ADA ACCESSIBILITY GUIDELINES
ADDN	ADDITION
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
BD	BOARD
BRNG	BEARING
CAB	CABINET
CJ	CONTROL JOINT
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CT	CERAMIC TILE
DR	DOOR
DWG	DRAWING
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
EO	EDGE OF
EQ	EQUAL
EQUIP	EQUIPMENT
ERD	EMERGENCY ROOF DRAIN
EWC	ELECTRIC WATER COOLER
EXS	EXISTING
EXT	EXTERIOR
FAMAB	FLUID APPLIED MEMBRANE AIR BARRIER
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FEK	FIRE EXTINGUISHER
FIN	FINISH
FLG	FLOORING
FLUOR	FLUORESCENT
FND	FOUNDATION
FOF	FACE OF FINISH
FRT	FIRE RETARDANT TREATED
GA	GAUGE
GLS	GLASS
GR	GRADE
GYP	GYP SUM
GYP BD	GYP SUM BOARD
HC	HANDICAPPED
HM	HOLLOW METAL
HORZ	HORIZONTAL
HPC	HIGH PERFORMANCE COATING
HT	HEIGHT
ID	INSIDE DIAMETER
IBC	INTERNATIONAL BUILDING CODE
INSUL	INSULATION
J.B.	JOIST BEARING
JAN	JANITOR
LAM	LAMINATE
LAV	LAVATORY
M.O.	MASONRY OPENING
MAX	MAXIMUM
MED	MEDIUM
MIL	MILLIMETER
MIN	MINIMUM
MR	MOISTURE RESISTANT
MTL	METAL
NIC	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPP.	OPPOSITE
PART	PARTITION
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PROJ	PROJECT
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
R.O.	ROUGH OPENING
RD	ROOF DRAIN
RDL / RL	ROOF DRAIN LEADER
REQ'D	REQUIRED
RFG	ROOFING
S.C.	SOLID CORE
S.S.	STAINLESS STEEL
SAFF	SELF ADHERED FLEXIBLE FLASHING
SECT	SECTION
SIM	SIMILAR
STL	STEEL
T.O.	TOP OF
TEL	TELEPHONE
TEMP	TEMPORARY
THK	THICK
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
WD	WOOD
WG	WIRE GLASS

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**SYMBOLS LEGEND**

	SECTION NUMBER
	SHEET NUMBER
	ELEVATION NUMBER
	DETAIL NUMBER
	INTERIOR ELEVATION NUMBER
	COLUMN GRID NUMBER
	LEVEL NAME AND ELEVATION
	SPOT ELEVATION
	DOOR NUMBER REFER TO SCHEDULE
	ROOM NAME AND NUMBER
	PARTITION TYPE REFER TO SCHEDULE
	WINDOW TYPE REFER TO SCHEDULE
	LOUVER TYPE REFER TO SCHEDULE
	TOILET ACCESSORY TAG REFER TO SCHEDULE
	EXPANSION JOINT TAG REFER TO SCHEDULE
	CEILING TYPE AND HEIGHT REFER TO SCHEDULE
	ROOM FINISH TAG
	WALL FINISH
	FLOOR FINISH
	CONTROL JOINT TAG

**APPLICABLE CODES**

- 2018 (IBC) INTERNATIONAL BUILDING CODE
- 2018 (IPC) INTERNATIONAL PLUMBING CODE
- 2018 (IGC) INTERNATIONAL FUEL GAS CODE
- 2018 (IMC) INTERNATIONAL MECHANICAL CODE
- 2017 (NEC) NATIONAL ELECTRICAL CODE
- 2018 (IFC) INTERNATIONAL FIRE CODE
- 2018 (IFC) INTERNATIONAL FIRE CODE
- 2013 NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72)
- ANSI/ASHRAE/IESNA STANDARD 90.1-2013 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

**PROJECT ALTERNATES**

**ALTERNATE #1**  
PROVIDE ACOUSTICAL WALL PANELS INSIDE OF NEW GYM - SEE FFE PLAN, INTERIOR ELEVATIONS AND SPECS.

**NEW GYM ADDITION & EXISTING RECREATION FACILITY PLUMBING FIXTURES**

PLUMBING FIXTURE COUNTS OF THE NEW GYM ADDITION AND THE EXISTING RECREATION FACILITY WILL BE SHOWN AS SUCH THE BUILDINGS ARE TREATED AS A SINGLE MULTI-USE FACILITY WHERE THE NEW GYM SERVES THE EXISTING RECREATION FACILITY. THE OCCUPANTS FOR BOTH BUILDINGS WILL BE COMBINED TO DETERMINE THE NECESSARY FIXTURES FOR PLUMBING FIXTURES. SEE LS1.01 CODE STUDY PLUMBING COUNTS.

WE HAVE DESIGNED THIS PROJECT WITH THE APPROACH THAT THE EXISTING FACILITY PROVIDES ADEQUATE FIXTURE COUNTS TO SERVE THE NEW ADDITION

**NEW GYM ADDITION STUDY**

**FLOOR AREAS**

<b>NEW GYM ADDITION (SPRINKLER)</b>	<b>@ LEVEL 1</b>
CONDITIONED NET SF	7,105 SF
<b>EQUIPMENT PLATFORM (SPRINKLER)</b>	<b>@ PLATFORM</b>
CONDITIONED NET SF	709 SF
<b>TOTAL BUILDING GROSS SF</b>	<b>7,874 SF</b>

**OCCUPANT EGRESS COUNTS**

EGRESS TYPES	# OF OCCUPANT
EXERCISE	(118) 117.94
EXERCISE (FIXED SEATS)	(108) 108
STORAGE/ACCESSORY	(3) 2.23
MECHANICAL/ELECTRICAL	(4) 3.59
<b>TOTAL OCCUPANCY FOR NEW ADDITION</b>	<b>(233 OCC.)</b>

**EXISTING RECREATION FACILITY STUDY**

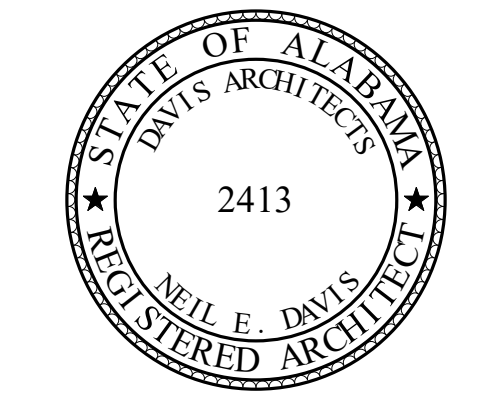
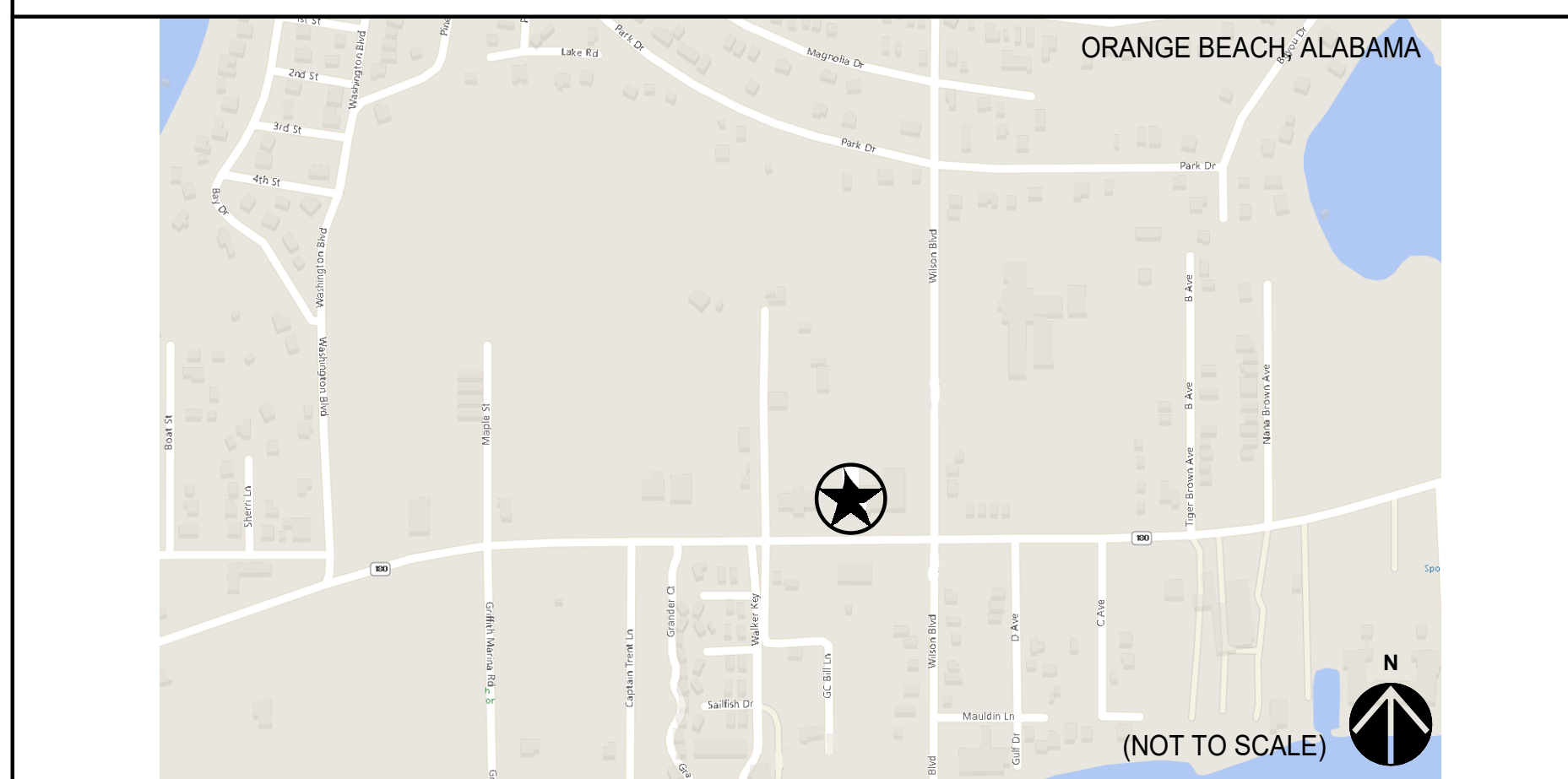
**FLOOR AREAS**

<b>EX. RECREATION CENTER (SPRINKLERED)</b>	
<b>TOTAL BUILDING GROSS SF</b>	<b>28,900 SF</b>

**OCCUPANT EGRESS COUNTS**

EGRESS TYPES	# OF OCCUPANT
ASSEMBLY (STANDING)	(129) 128.73
BUSINESS	(6) 5.58
EXERCISE	(274) 273.62
EXERCISE (FIXED SEATS)	(436) 436
KITCHEN	(1) .7
STORAGE/ACCESSORY	(6) 5.43
MECHANICAL/ELECTRICAL	(2) 1.76
<b>TOTAL OCCUPANCY @ EXISTING BUILDING</b>	<b>(854 OCC.)</b>

**VICINITY MAP**



**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



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REV	DATE	DESCRIPTION
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DATE: 2-18-2019

SCALE: 100% CONSTRUCTION DOCUMENTS

ISSUED FOR: PROJECT NO: 3891.01

DRAWN BY: DAVIS ARCHITECTS

SHEET TITLE: INDEX & GENERAL INFORMATION

DRAWING NO.

G1.1



GENERAL

- 1. THE PROJECT MANUAL (SPECIFICATIONS) IS A VITAL PART OF THE CONTRACT DOCUMENTS. THE PROJECT CANNOT BE SUCCESSFULLY BUILT WITHOUT FULL ADHERENCE TO THE TECHNICAL SPECIFICATIONS. THE NOTES THAT FOLLOW BY DIVISION ARE IN ADDITION TO THE REQUIREMENTS SPECIFIED IN THE PROJECT MANUAL.
2. UNLESS NOTED OTHERWISE, THE GENERAL CONDITIONS FOR CONSTRUCTION ARE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONDITIONS SET FORTH BY THE VARIOUS PARTIES INVOLVED IN THE CONSTRUCTION, THE CONTRACTOR SHALL READ THESE AND FAMILIARIZE HIMSELF WITH THE REQUIREMENTS BEFORE STARTING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY MEASURES DURING THE EXECUTION OF THE WORK. THE ARCHITECT MAY ALERT THE CONTRACTOR'S SUPERINTENDENT TO OBSERVED UNSAFE CONDITIONS, BUT THE ARCHITECT IS NOT RESPONSIBLE FOR PROJECT SAFETY AND WILL NOT ASSUME THAT RESPONSIBILITY.
4. THE FOLLOWING DEFINITIONS SHALL APPLY, UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
1. ALIGN: PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION TO ADJACENT MATERIALS
2. AS REQUIRED: PROVIDE THE SPECIFIED COMPONENTS TO COMPLETE THE NOTED SYSTEMS.
3. SIMILAR: PROVIDE COMPLETE COMPONENTS FOR THE SYSTEM INDICATED THAT ARE COMPARABLE TO THE CHARACTERISTICS FOR THE CONDITION NOTED.
4. TYPICAL: INDICATES COMPLETE IDENTICAL SYSTEM SHALL BE PROVIDED FOR EACH OCCURRENCE OF THE CONDITION NOTED.
5. REFER TO DIVISION 1 SECTION "REFERENCES" FOR ADDITIONAL TYPICAL TERMS AND DEFINITIONS APPLICABLE TO THE CONSTRUCTION DOCUMENTS. THIS SECTION SHALL TAKE PRECEDENCE OVER ANY OTHER DEFINITIONS STATED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.

DIVISION 1

- 1. UNLESS NOTED OTHERWISE, THE TERM CONTRACTOR IN THE FOLLOWING NOTES SHALL REFER TO THE CONTRACTOR WHO HOLDS THE PRIME CONTRACT WITH THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK CONTAINED IN THE CONSTRUCTION DOCUMENTS.
2. REFERENCES TO WORK BY SUBCONTRACTORS IN THE DRAWINGS OR SPECIFICATIONS ARE FOR INFORMATION ONLY AND SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ASSIGNING WORK TO THE VARIOUS TRADES.
3. THE CONTRACTOR IS REQUIRED TO COORDINATE WORK OF SEPARATE CONTRACTORS EMPLOYED BY THE OWNER. THIS WORK SHALL BE REFLECTED IN THE CONSTRUCTION SCHEDULE.
4. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW THE CONSTRUCTION DOCUMENTS, COMPARE REQUIREMENTS FOR EACH TRADE, AND REFER ANY CONFLICTS TO ARCHITECT BEFORE BEGINNING CONSTRUCTION.
5. IF DISCREPANCIES OCCUR BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE OBVIOUS CORRECT INTENT SHALL GOVERN. REFER ALL OTHER UNCERTAINTIES TO THE ARCHITECT FOR RESOLUTION.
6. REQUESTS FOR INFORMATION (RFI'S) SHALL BE USED EXCLUSIVELY TO SEEK INFORMATION OR CLARIFICATIONS THAT ARE NOT CONTAINED IN THE CONTRACT DOCUMENTS. THE ARCHITECT MAY DISCARD RFI'S IF THE INFORMATION CAN EASILY BE FOUND IN THE DRAWINGS OR SPECIFICATIONS SIMPLY BY LOOKING.
7. THE INTENT OF THE COMPLETED PROJECT IS TO MEET ALL APPLICABLE CODES, LIFE SAFETY REQUIREMENTS, ACCESSIBILITY REQUIREMENTS, AND RULES AND LAWS OF AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL REPORT ANY UNCERTAINTIES OR KNOWN VIOLATIONS TO THE ARCHITECT FOR RESOLUTION.
8. THE DIVISION 1 SECTIONS OF THE PROJECT MANUAL CONTAIN GENERAL INFORMATION AND REQUIREMENTS APPLICABLE TO ALL SECTIONS IN DIVISIONS 2-16. THE CONTRACTOR SHALL ISSUE A COPY OF ALL DIVISION 1 SECTIONS INCLUDING TABLE OF CONTENTS WHEN ISSUING PARTIAL SETS OF DOCUMENTS TO OTHER CONTRACTORS.
9. ISSUING PARTIAL SETS OF CONSTRUCTION DOCUMENTS IS DISCOURAGED BY THE ARCHITECT AND THE OWNER. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE TEMPORARY PARKING SPACES FOR THE ARCHITECT, ENGINEERS, AND OWNER'S PROJECT MANAGER (IF APPLICABLE) FOR REGULARLY SCHEDULED PROJECT MEETINGS.
11. ALL PRODUCTS INCORPORATED INTO THE PROJECT SHALL BE NEW UNLESS NOTED OTHERWISE.
12. UNLESS NOTED OTHERWISE, WARRANTIES SHALL NOT BEGIN UNTIL SYSTEMS ARE CERTIFIED TO BE OPERATIONAL REGARDLESS OF THE INSTALLATION DATE AND THE DATE FOR SUBSTANTIAL COMPLETION. (FOR EXAMPLE, IF THE OWNER IS FORCED TO OCCUPY THE BUILDING, AND SUBSTANTIAL COMPLETION IS GRANTED, IF A SYSTEM IS NOT FUNCTIONAL, THE BEGINNING WARRANTY DATE SHALL BE AS STATED ABOVE).
13. THE USE OF HAZARDOUS MATERIALS, EVEN PRODUCTS WITH TRACE AMOUNTS, SHALL NOT BE INCORPORATED INTO THE WORK. MATERIALS CONTAINING MOLD SHALL BE REMOVED FROM THE JOBSITE.
14. ALL TESTS AND INSPECTIONS FOR AIR AND MOISTURE PENETRATION SHALL BE COMPLETED PRIOR TO INSTALLATION OF ANY INTERIOR FINISH MATERIALS.
15. FLOOR FINISH COVERINGS, FINISH TOPPING, AND OTHER SHEET MEMBRANES SHALL NOT BE INSTALLED OVER CONCRETE SLABS ON GRADE PRIOR TO COMPLETE DRYING OF THE CONCRETE SLAB AND AFTER FIELD TESTING FOR ACCEPTABLE MOISTURE CONTENT.
17. THE CONTRACTOR SHALL TAKE CARE TO CLEAN UP LIQUID SPILLS ON FLOORS TO MINIMIZE THE MOISTURE CONTENT IN THE SLAB AND TO REDUCE SLIPPING ACCIDENTS.
18. FUEL POWERED EQUIPMENT AND FUEL CANS SHALL NOT BE STORED IN THE BUILDING.
19. THE SPECIFICATIONS CONTAIN REQUIREMENTS FOR PREINSTALLATION CONFERENCES AND MOCKUPS PRIOR TO STARTING WORK OF EACH SECTION. MOCKUPS SHALL BE IN PLACE BEFORE REQUESTING AN INSPECTION.
20. WHERE INCORRECT REFERENCES ARE MADE ON THE DRAWINGS OR IN THE SPECIFICATIONS TO SPECIFICATION SECTION NUMBERS AND TITLES NOT FOUND IN THE PROJECT MANUAL, AND WHERE THERE IS NO DOUBT AS TO THE ARCHITECT'S INTENT, THE CONTRACTOR SHALL ASSUME THE CORRECT SECTION NUMBER AND TITLE THAT SPECIFIES THE RELEVANT PRODUCTS. REFER UNCERTAINTIES TO ARCHITECT FOR CLARIFICATION.
21. WHERE INCORRECT REFERENCES TO WALL TYPES, DETAILS, AND DRAWING NUMBERS OCCUR, THE CONTRACTOR SHALL ASSUME THE CORRECT REFERENCES OR REFER UNCERTAINTIES TO THE ARCHITECT FOR CLARIFICATION.
22. SPECIAL INSPECTIONS AND TESTING ARE REQUIRED ON THIS PROJECT INCLUDING WRITTEN DOCUMENTATION AND REPORTING. REFER TO THE DIVISION 1 SPECIFICATIONS AND/OR STRUCTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE TESTING AGENCY WHEN TESTING IS TO BE PERFORMED WITH AT LEAST 24 HOURS ADVANCE NOTICE.
23. THE CONTRACTOR SHALL REPLACE DEFECTIVE WORK PRIOR TO THE NEXT APPLICATION FOR PAYMENT.
24. NEW WORK SHALL BE MADE TO TIE INTO THE EXISTING IN A UNIFORM MANNER. SIMILAR ITEMS OF NEW WORK SHALL BE CHECKED AGAINST EXISTING WORK FOR TYPE AND MOUNTING HEIGHTS. IF ITEMS SHOWN IN NEW WORK ARE AT VARIANCE FROM THE EXISTING WORK, REFER TO ARCHITECT BEFORE ROUGHING IN.
25. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. VERIFY ALL EXISTING SITE CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH THE DRAWINGS.
26. ALL OPENINGS REQUIRING INSTALLATION OF PREFABRICATED ITEMS SUCH AS WINDOWS, DOOR FRAMES, ETC. SHALL BE FIELD MEASURED OR THE CONTRACTOR SHOULD GUARANTEE THE OPENINGS. DO NOT RELY ON THE DIMENSIONS ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS AS SPECIFIED IN DIVISION 1 SECTION "PROJECT MANAGEMENT AND COORDINATION".
27. THE MECHANICAL AND ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. THE INTENT OF THE DESIGN IS THAT ALL REQUIRED CLEARANCES FOR EQUIPMENT, ESPECIALLY POWER PANELS, SHALL BE PROVIDED. IF THE CONTRACTOR DISCOVERS THAT ADEQUATE CLEARANCES WILL NOT BE POSSIBLE WITHIN THE MECHANICAL OR ELECTRICAL ROOMS FOR THE APPROVED EQUIPMENT, HE SHALL CONTACT THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
29. ALL DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL FOR THE GENERAL CONDITIONS IN THE PROJECT. ALL DETAILS AND SECTIONS SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR CONDITION THROUGHOUT THE PROJECT UNLESS A SPECIFIC DETAIL IS PROVIDED. REFER ANY UNCERTAINTIES TO ARCHITECT FOR CLARIFICATION.
30. THE CONTRACTOR SHALL NOT REPRODUCE CONSTRUCTION DOCUMENTS IN WHOLE OR IN PART FOR SHOP DRAWING PRODUCTION WITHOUT THE ARCHITECT'S APPROVAL. ANY DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM THE REQUIREMENT TO ACCURATELY LAY OUT, COORDINATE, DETAIL, FABRICATE, AND INSTALL A COMPLETE WORKABLE SYSTEM OF COMPONENTS.
31. THE CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS WITHOUT THE ARCHITECT'S WRITTEN APPROVAL.
32. CONSTRUCTION CHANGES AFFECTING CONTRACT SUM SHALL BE APPROVED BY OWNER IN WRITING BEFORE IMPLEMENTATION OF THE CHANGE.
33. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND UTILITIES PRIOR TO START OF CONSTRUCTION.
34. THE CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS TO PROPERLY FIT THE WORK.
35. THE CONTRACTOR'S CONSTRUCTION SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR AND THE SUBCONTRACTORS. WHEN A PROBLEM ARISES DURING EXECUTION OF THE WORK, THE SUPERINTENDENT IS EXPECTED TO KNOW AND UNDERSTAND EACH PROBLEM AND HAVE TRIED TO RESOLVE IT BEFORE CALLING THE ARCHITECT.
36. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE INSTALLED WORK UNTIL SUBSTANTIAL COMPLETION. THIS INCLUDES MAINTAINING THE PROPER TEMPERATURE AND HUMIDITY LEVELS FOR THE PRODUCTS INSTALLED.
37. SMOKING, EATING, AND DRINKING INSIDE THE BUILDING (OTHER THAN WATER) IS NOT ALLOWED.
38. THE CONTRACTOR SHALL REMOVE CONSTRUCTION DEBRIS FROM CONCEALED SPACES BEFORE ENCLOSING THE SPACE. AIR HANDLING EQUIPMENT AND DUCTWORK SHALL BE PROTECTED TO PREVENT ACCUMULATION OF DIRT AND DEBRIS IN THE FINISHED WORK.
39. UNLESS NOTED OTHERWISE IN THE PROJECT MANUAL, THE CONTRACTOR SHALL SUBMIT THE OPERATIONS AND MAINTENANCE MANUALS AT LEAST TWO WEEKS BEFORE THE FINAL INSPECTION IS SCHEDULED FOR SUBSTANTIAL COMPLETION. THE FINAL INSPECTION WILL NOT BEGIN UNTIL O&M MANUALS HAVE BEEN APPROVED.
40. THE CONSTRUCTION SCHEDULE SHALL ALLOW TIME FOR TESTING AND BALANCING PRIOR TO SUBSTANTIAL COMPLETION. THE PROJECT WILL NOT BE CONSIDERED SUBSTANTIALLY COMPLETE UNTIL THE TESTING AND BALANCING HAS BEEN COMPLETED.
41. REQUEST FOR FINAL INSPECTION SHALL BE IN WRITING TO THE ARCHITECT.
42. WHEN APPLICABLE, ALL DEMONSTRATION AND TRAINING OF OWNER'S PERSONNEL SHALL BE COMPLETE BEFORE THE PROJECT IS CERTIFIED TO BE SUBSTANTIALLY COMPLETE BY THE ARCHITECT.
43. THE CONTRACTOR SHALL CONDUCT TWO POST CONSTRUCTION INSPECTIONS:
1. THE FIRST INSPECTION WILL BE HELD APPROXIMATELY 8 MONTHS AFTER SUBSTANTIAL COMPLETION TO ADDRESS PLUMBING, HVAC, AND ELECTRICAL CONCERNS;
2. THE SECOND INSPECTION WILL BE HELD PRIOR TO EXPIRATION OF THE 1-YEAR WARRANTY PERIOD TO ADDRESS GENERAL CONSTRUCTION, INCLUDING THE ABOVE. ALL PROBLEMS DISCOVERED DURING THESE INSPECTIONS THAT RELATE TO DEFECTIVE MATERIALS AND WORKMANSHIP SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

DIVISION 2

- 1. EXISTING GRADES, TREES, ROADS, UTILITIES, STRUCTURES, AND OTHER PHYSICAL FEATURES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO WORK IN THE AREA.
2. THE USE OF EXPLOSIVES IN CONSTRUCTION IS NOT PERMITTED.
3. UNLESS NOTED OTHERWISE, GEOTECHNICAL REPORTS ARE FOR INFORMATION ONLY WHETHER OR NOT BOUND INTO THE PROJECT MANUAL.
4. APPLICATION OF TERMITICIDES SHALL BE WITNESSED BY THE ARCHITECT OR THE OWNER'S REPRESENTATIVE, AND CERTIFIED IN WRITING BY THE CONTRACTOR.
5. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING OF NEW GRASS, TREES, AND OTHER VEGETATION TO GET THROUGH PERIODS OF NO RAINFALL OR TAKE RESPONSIBILITY TO REESTABLISH THOSE AREAS THAT PERISH.

DIVISION 3: SEE STRUCTURAL DRAWINGS

DIVISION 4

- 1. UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE CONTROL JOINTS IN CMU WALLS IN ACCORDANCE WITH ACI 530.1, BUT NOT MORE THAN 28 FEET ON CENTER AND WHERE WALLS CHANGE HEIGHT IN THE PLANE OF THE WALL. ARCHITECT TO APPROVE JOINT LOCATIONS ON THE DRAWINGS.
2. UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE EXPANSION JOINTS IN CLAY MASONRY NOT TO EXCEED 24 FEET ON CENTER. ARCHITECT TO APPROVE JOINT LOCATIONS.
3. HORIZONTAL MASONRY DIMENSIONS ARE NOMINAL. CONTRACTOR SHALL CONVERT NOMINAL DIMENSIONS TO ACTUAL DIMENSIONS TO MAINTAIN MASONRY BOND PATTERN. FOR EXAMPLE, 1'-4" EQUALS 1'-3 5/8". OPENINGS ARE ALWAYS 3/8-INCHES WIDER THAN THE NOMINAL DIMENSION; I.E., 4'-0" MO EQUALS 4'-0 3/8".
5. CHEMICAL CLEANERS FOR FACE BRICK SHALL BE APPROVED IN WRITING BY THE FACE BRICK AND MORTAR MANUFACTURERS PRIOR TO THEIR USE. NO EXCEPTIONS.

DIVISION 5

- 1. WHERE CEILING MOUNTED TOILET PARTITIONS ARE USED, PROVIDE MISCELLANEOUS STEEL SUPPORTS IN ACCORDANCE WITH REQUIREMENTS OF DIVISION 5 SECTION "METAL FABRICATIONS."
2. WHERE COUNTERTOPS ARE UNSUPPORTED BY BASE CABINETS, PROVIDE MISCELLANEOUS STEEL SUPPORTS IN ACCORDANCE WITH REQUIREMENTS OF DIVISION 5 SECTION "METAL FABRICATIONS."
3. WHERE STRUCTURALLY REQUIRED TO SUPPORT ELEVATOR AND COMPONENTS, PROVIDE MISCELLANEOUS STEEL SUPPORTS IN ACCORDANCE WITH REQUIREMENTS OF DIVISION 5 SECTION "METAL FABRICATIONS."

DIVISION 6

- 1. PROVIDE CONCEALED WOOD BLOCKING OR METAL SHEET IN METAL STUD PARTITIONS FOR SURFACE MOUNTED ACCESSORIES SUCH AS TOILET ACCESSORIES, TOILET PARTITIONS, AND OTHER CONSTRUCTION REQUIRING SECURE ATTACHMENT TO WALLS. PROVIDE FIRE RETARDANT TREATED WOOD WHERE REQUIRED BY CODE OR AUTHORITIES HAVING JURISDICTION.
2. PROVIDE GROMMETS FOR DATA AND POWER CABLES IN COUNTERTOPS WHETHER OR NOT SHOWN ON DRAWINGS. COORDINATE LOCATIONS WITH ARCHITECT.
3. SCRIBE ALL COUNTERTOPS TO WALLS AND SEAL WITH SPECIFIED SEALANT WHETHER OR NOT SHOWN ON THE DRAWINGS.
4. VERIFY EXACT HEIGHT OF COUNTERTOPS AND BACKSPASHES PRIOR TO ROUGHING IN FOR ELECTRICAL OUTLETS.
5. VERIFY DOOR SWINGS BEFORE ROUGHING IN FOR WALL SWITCHES, DIMMERS, AND MAGNETIC DOOR HOLDERS.

DIVISION 7

- 1. WHERE PROVIDED, VAPOR BARRIERS SHALL BE CONTINUOUS WITH ALL PENETRATIONS PROPERLY SEALED.
2. WHERE WATERPROOFING IS CALLED FOR ON THE DRAWINGS, APPLY WATERPROOFING SYSTEM TO ALL SIMILAR SURFACES BELOW GRADE AND TO ALL WALLS.
3. HORIZONTAL WATERPROOFING SHALL BE FLOOD TESTED BY THE CONTRACTOR AND WITNESSED BY THE TESTING AGENCY. PROVIDE POSITIVE DRAINAGE ON ALL ROOFS WHETHER OR NOT SHOWN ON THE DRAWINGS SO NO STANDING WATER REMAINS AFTER 48 HOURS.
5. PROVIDE CRICKETS AT ALL ROOF CURBS AND EQUIPMENT RAILS SET PERPENDICULAR TO ROOF SLOPE THAT ARE WIDER THAN 24-INCHES.
6. ON LOW SLOPE ROOFS WITH PARAPETS, PROVIDE THROUGH WALL EMERGENCY OVERFLOW SCUPPERS IN THE EVENT THAT INTERNAL ROOF DRAINS ARE PLUGGED SO WATER DEPTH NEVER EXCEEDS 2-INCHES AT ANY LOCATION. VERIFY LOCATIONS WITH ARCHITECT.
7. WHEN WALKWAY PADS ARE INCLUDED IN THE SPECIFICATIONS, PROVIDE WALKWAY PADS AROUND ALL ROOF TOP EQUIPMENT AND CONTINUOUS WALKWAY PATHS TO ROOF HATCHES OR LADDERS WHETHER OR NOT SHOWN ON THE DRAWINGS.
8. COORDINATE ALL UTILITIES SERVING ROOF TOP EQUIPMENT SO ROOF PENETRATIONS OCCUR WITHIN THE ROOF CURB.
9. IN THE ABSENCE OF A DETAIL OF ANY CONDITION ON THE ROOF, THE ROOF MANUFACTURER'S STANDARD DETAIL OR THE MOST STRINGENT NRC/A/SMACNA DETAIL SHALL APPLY AS IF INCORPORATED INTO THE DRAWINGS.
10. IN THE ABSENCE OF THE DETAIL OF EXPANSION JOINTS (NOT BUILDING EXPANSION JOINTS), ROOFING MANUFACTURER'S RECOMMENDATIONS SHALL GOVERN.
11. METAL COPINGS SHALL BE SECURED TO COMPLY WITH THE SPECIFICATIONS, AND IF NOT SPECIFIED, SHALL RESIST THE WIND LOADS FOR THE PARTICULAR PROJECT LOCATION.
12. WHEN PROJECT SPECIFICATIONS INCLUDE SPRAYED FIRE RESISTIVE MATERIALS, PROVIDE FIREPROOFING WHERE REQUIRED ON STRUCTURAL STEEL COMPONENTS TO MEET CONSTRUCTION TYPE FIRE PROTECTION WHETHER OR NOT SHOWN IN THE WALL SECTIONS AND DETAILS.
13. THE LIFE SAFETY DRAWINGS CONTAIN INFORMATION AND REQUIREMENTS RELATED TO FIRE RATED CONSTRUCTION AND FIRE PROTECTION SYSTEMS. COORDINATE THE REQUIREMENTS WITH THE CONSTRUCTION DOCUMENTS. REPORT DISCREPANCIES TO THE ARCHITECT.
14. WHERE THROUGH PENETRATIONS OCCUR IN FIRE RATED ASSEMBLIES, THE CONTRACTOR IS RESPONSIBLE FOR SEALING ALL OPENINGS REGARDLESS OF THE TRADE WHO MADE THE PENETRATION.
15. EXTEND SMOKE WALLS TO DECK AND SEAL SMOKE TIGHT. (SMOKE TIGHT SEALS NEED NOT BE FIRE RATED, UNLESS NOTED OTHERWISE).
16. ALL CONCEALED THROUGH PENETRATION FIRESTOPPING AND FIRE RESISTIVE JOINT SYSTEMS SHALL BE INSPECTED AND APPROVED PRIOR TO CONCEALMENT BEHIND PERMANENT CONSTRUCTION. PERMANENTLY IDENTIFY FIRE RATED PARTITIONS ABOVE CEILING AND/OR CONCEALED SPACES. THE LETTERING SHALL BE 2-INCHES IN HEIGHT AND SPACED AT 12 FEET ON CENTER. THE WORDING SHALL BE APPROPRIATE FOR THE TYPE OF FIRE RATED ASSEMBLY AND APPROVED BY THE FIRE MARSHAL OR THE AUTHORITY HAVING JURISDICTION.

DIVISION 8

- 1. WOOD DOORS SHALL NOT BE INSTALLED UNTIL THE BUILDING IS ENCLOSED, THE PERMANENT HEATING AND COOLING SYSTEMS ARE IN OPERATION, AND RESIDUAL MOISTURE FROM PLASTER, CONCRETE, MASONRY, AND TERRAZZO WORK HAS DISSIPATED. IF THE DOORS MUST BE INSTALLED BEFORE THE CONDITIONS ARE ACCEPTABLE DUE TO CONSTRUCTION SCHEDULE RESTRAINTS, THE CONTRACTOR SHALL PROCEED AT HIS OWN RISK.
2. PROVIDE CEILING ACCESS PANELS IN GYPSUM BOARD CEILINGS TO ACCESS MECHANICAL EQUIPMENT, WATER VALVES, AND ELECTRICAL JUNCTION BOXES AS REQUIRED. COORDINATE WITH MEP DRAWINGS FINAL EQUIPMENT LOCATIONS.
3. ALL REMOVABLE GLAZING STOPS SHALL BE LOCATED ON THE SECURE SIDE OF OPENINGS.

DIVISION 9

- 1. WHERE DRAWINGS INDICATE PARTITION TYPES, ACCOMPANIED BY A PARTITION SCHEDULE, AND A WALL IS FOUND TO HAVE NO DESIGNATION, THE CONTRACTOR SHALL ASSUME THE ADJACENT PARTITION TYPE, OR IF UNCERTAIN, ASSUME THE HIGHEST QUALITY. NO CHANGE ORDERS WILL BE GRANTED DUE TO MISSING DESIGNATIONS.
2. UNLESS OTHERWISE NOTED ON THE DRAWINGS, PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN WET AREAS SUCH AS JANITOR CLOSETS, TOILETS, MECHANICAL ROOMS, AND FOOD PREPARATION AREAS.
3. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, PROVIDE CONTROL JOINTS IN PLASTER WALLS AND CEILINGS IN ACCORDANCE WITH ASTM C 1063; VERTICAL SURFACES: 144 SF; HORIZONTAL SURFACES: 100 SF. REFER ANY UNCERTAINTIES TO ARCHITECT FOR APPROVAL.
4. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, PROVIDE CONTROL JOINTS IN GYPSUM BOARD SURFACES IN ACCORDANCE WITH ASTM C 840; CEILINGS: 2500 SF, 50 FEET MAX; PARTITIONS: 30 FEET MAX.
5. METAL STUD THICKNESSES SHALL BE AS INDICATED ON THE DRAWINGS. WHERE NO THICKNESS IS INDICATED, PROVIDE A MINIMUM STEEL THICKNESS OF 0.027 INCHES.
6. ALL WALL FRAMING SHALL EXTEND TO THE DECK ABOVE AND PROVIDE DEFLECTION TRACKS, UNLESS NOTED OTHERWISE.
7. FIRE RATED SHAFT WALLS SHALL BE ENCLOSED AT LOWEST LEVEL AND AT THE TOP WITH CONSTRUCTION OF THE SAME FIRE RESISTANCE RATING AS REQUIRED FOR THE SHAFT ENCLOSURE.
8. ALL ROOMS SHALL BE ADA ACCESSIBLE. UNLESS NOTED OTHERWISE, ALL DOORS SHALL BE LOCATED SO THE EDGE OF DOOR OPENINGS FOR OUTSWINGING DOORS IS 18-INCHES MINIMUM FROM AN ADJACENT WALL, AND 12-INCHES MINIMUM FOR INSWING DOORS.
9. WHERE NO DIMENSION IS GIVEN AT INTERIOR DOOR LOCATIONS, LOCATE EDGE OF FRAME WITHIN 8-INCHES OF ADJACENT WALL IN CMU CONSTRUCTION AND 4" IN STUD WALL CONSTRUCTION. REFER UNCERTAINTIES TO ARCHITECT FOR APPROVAL.
10. THE DESIGN INTENT IS THAT THERE ARE NO DEAD END CORRIDORS IN THE BUILDING. IF IN THE LAYOUT OF THE WALLS THE CONTRACTOR DISCOVERS DISCREPANCIES OF A FEW INCHES RENDERING THE FINAL INSTALLATION UNACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, SUBMIT ALTERNATE LAYOUT TO ARCHITECT FOR APPROVAL. REFER TO LIFE SAFETY DRAWINGS FOR ALLOWABLE DISTANCES.
11. ALL CEILING GRIDS OF ACOUSTICAL PANEL CEILING ARE TO BE CENTERED IN THE ROOMS. UNLESS NOTED OTHERWISE.
12. LOCATE LIGHT FIXTURES, SPRINKLER HEADS, FIRE ALARM EQUIPMENT, AND DEVICES IN THE CENTER OF THE CEILING PANELS UNLESS NOTED OTHERWISE.
13. CEILING MOUNTED SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 24 INCHES OF A SUPPLY OR RETURN GRILLE.

DIVISION 9 - CONTINUED

- 14. SUSPENDED CEILING GRIDS SHALL NOT BE INSTALLED UNTIL ALL ABOVE CEILING EQUIPMENT AND UTILITIES ARE COMPLETED. CEILING PANELS SHALL NOT BE INSTALLED UNTIL THE ARCHITECT HAS COMPLETED THE ABOVE CEILING INSPECTION. IF CEILING PANELS HAVE BEEN INSTALLED PRIOR TO REQUIRED INSPECTIONS, THE CONTRACTOR SHALL REMOVE AND REPLACE CEILING PANELS AT NO ADDITIONAL COST TO THE OWNER. SOILED OR DAMAGED CEILING PANELS AND GRIDS RESULTING FROM REWORK ARE CONSIDERED DEFECTIVE WORK AND SHALL BE REPLACED IMMEDIATELY AND PRIOR TO INSPECTIONS FOR SUBSTANTIAL COMPLETION. DO NOT INSTALL ACOUSTICAL PANEL CEILINGS UNTIL BUILDING IS ENCLOSED. PERMANENT HEATING AND COOLING EQUIPMENT IS IN OPERATION, AND EQUIPMENT SUCH AS LIGHT FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM THE CEILING SUSPENSION SYSTEM. EQUIPMENT SUCH AS LIGHT FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM THE CEILING SUSPENSION SYSTEM.
15. PAINT EXPOSED EDGES OF CUT REGULAR CEILING PANELS TO MATCH.
16. COORDINATE ABOVE CEILING EQUIPMENT SO THAT NO CEILING IS LESS THAN 8 FEET ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE.
17. INSTALL RESILIENT WALL BASE BEHIND MOVABLE EQUIPMENT AND ALL TOE SPACES OF CABINETWORK WHETHER OR NOT SHOWN ON THE DRAWINGS.
18. IN AREAS WITH EXPOSED STRUCTURE TO BE PAINTED, PAINTING SHALL INCLUDE EXPOSED CONDUIT, PIPING, AND DUCTWORK. ALL EXPOSED CONDUIT ON WALLS SHALL BE PAINTED TO MATCH THE WALLS.
19. UNLESS NOTED OTHERWISE, THE DESIGN INTENT IS TO PAINT ALL EXPOSED STEEL ITEMS ON THE EXTERIOR OF THE BUILDING WHETHER OR NOT INDICATED ON THE DRAWINGS. COORDINATE WITH PAINTING SPECIFICATIONS.
20. REFER TO PAINTING SPECIFICATIONS FOR TYPES OF PAINTS FOR VARIOUS SUBSTRATES.
21. COORDINATE PAINTING SYSTEMS WITH SHOP-APPLIED PRIMERS SPECIFIED IN OTHER SPECIFICATION SECTIONS.
22. CONCRETE FLOORS IN MECHANICAL ROOMS, ELECTRICAL ROOMS, AND OTHER HABITABLE SPACES WHERE NO FLOOR FINISH MATERIAL IS SCHEDULED SHALL BE SEALED WITH A POLYAMIDE EPOXY SEALER. REFER TO HIGH PERFORMANCE COATING SPECIFICATIONS.
23. UNLESS NOTED OTHERWISE, METAL DOOR FRAMES, HOLLOW METAL DOORS, MISCELLANEOUS STEEL FABRICATIONS, EXPOSED METAL STAIRS, AND STEEL HANDRAILS ARE TO BE PAINTED. REFER TO PAINTING SPECIFICATIONS FOR TYPES OF PAINT SYSTEMS.
24. WALLS IN SERVICE AREAS SHALL BE SMOOTH AND PINHOLE FREE. WHEN APPLICABLE, APPLY SMOOTH THIN COAT PLASTER FINISH ON CMU WALLS PRIOR TO PAINTING.
25. UNLESS NOTED OTHERWISE, ALL LEFT OVER FINISH MATERIALS AND UNOPENED CONTAINERS SHALL BE TURNED OVER TO OWNER IN ADDITION TO EXTRA MATERIALS SPECIFIED IN RESPECTIVE SECTIONS.
26. ALL EXTERIOR STEEL TO BE GALVANIZED U.N.O. ITEMS DESIGNATED FOR ADDITIONAL PAINT COATING MUST BE PROPERLY PRIMED.

DIVISION 10

- 1. THE INTENT IS TO LOCATE PORTABLE FIRE EXTINGUISHERS SO MAXIMUM COVERAGE DOES NOT EXCEED NFPA 10 REQUIREMENTS FOR THE TYPES OF EXTINGUISHERS SPECIFIED. IF THE CONTRACTOR DETERMINES THE DRAWING LOCATIONS DO NOT COMPLY, SUBMIT ALTERNATE LAYOUT TO ARCHITECT FOR APPROVAL PRIOR TO ROUGH IN.
2. WHEN INTERIOR ROOM SIGNS ARE SPECIFIED, CONTRACTOR SHALL VERIFY FINAL ROOM NAMES WITH OWNER PRIOR TO FABRICATION.
3. ALL EQUIPMENT DESIGNATED TO BE RECESSED IN RATED WALLS MUST CARRY AN EQUIVALENT RATING, WHETHER OR NOT IT IS SPECIFIED.

DIVISION 14

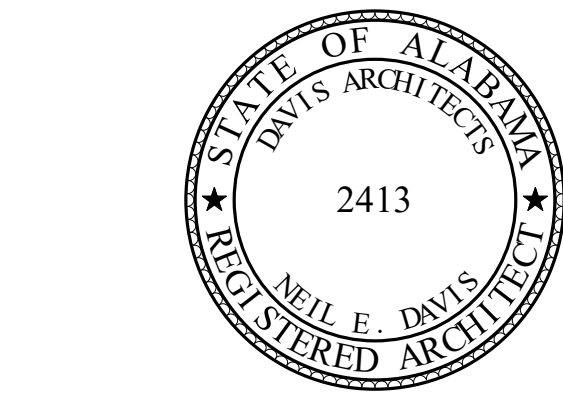
- 1. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CERTIFY THAT THE HOISTWAY, ELEVATOR PIT, AND MACHINE ROOM LAYOUT, INCLUDING DOOR LOCATION, SIZE, AND SWING, LOCATIONS OF ALL WALL MOUNTED ELECTRICAL DEVICES, AND DIMENSIONS, AS SHOWN ON THE CONTRACT DOCUMENTS, AND ELECTRICAL SERVICES SHOWN AND SPECIFIED, ARE ADEQUATE FOR THE ELEVATOR SYSTEM BEING PROVIDED. IF ANY OF THE ABOVE REFERENCED ITEMS DO NOT COMPLY WITH THE ACTUAL ELEVATOR BEING SUPPLIED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO INSTALLATION. AFTER INSTALLATION HAS BEGUN, THE CONTRACTOR ASSUMES ALL ADDITIONAL COSTS FOR INADEQUATE SYSTEMS AND SERVICES.

DIVISION 15: SEE MECHANICAL DRAWINGS

DIVISION 16: SEE ELECTRICAL DRAWINGS

DEMOLITION NOTES:

- 1. CONTRACTOR SHALL SUBMIT A DEMOLITION SEQUENCING PLAN AND SEEK WRITTEN APPROVAL FROM THE ARCHITECT OR OWNER PRIOR TO START OF DEMOLITION. DO NOT BEGIN DEMOLITION UNTIL ITEMS TO BE SALVAGED HAVE BEEN REMOVED. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO BE DEMOLISHED AND NOTIFY THE ARCHITECT OR OWNER OF DISCREPANCIES IN WRITING PRIOR TO START OF DEMOLITION.
2. PRIOR TO DEMOLITION, COVER AND PROTECT EXISTING FINISHES AND EQUIPMENT TO REMAIN.
3. PROJECTS OF A HISTORIC NATURE SHALL REQUIRE SPECIAL PROTECTION AND IMMEDIATE PROCEDURES. COORDINATE WITH OWNER WHO WILL ESTABLISH SPECIAL PROCEDURES FOR DISMANTLING AND SALVAGE OF DESIGNATED ITEMS.
4. CONTRACTOR SHALL TAKE CARE NOT TO VOID AND EXISTING WARRANTIES ADJACENT TO DEMOLITION WORK.
5. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE DISCOVERED, CONTACT OWNER AND ARCHITECT. HAZARDOUS MATERIALS WILL BE REMOVED UNDER A SEPARATE CONTRACT.
6. CONTRACTOR SHALL SUBMIT A WRITTEN SURVEY OF EXISTING CONDITIONS FOLLOWING DEMOLITION, IF DIFFERENT THAN THE CONTRACT DOCUMENTS, NOTING UNACCEPTABLE CONDITIONS, IF ANY, SUCH AS FLOOR LEVELNESS, FLOOR FLATNESS, AND UNACCEPTABLE FINISHES NOTED TO REMAIN.
7. CONTRACTOR SHALL MAINTAIN BUILDING IN WEATHERTIGHT CONDITION AT ALL TIMES DURING DEMOLITION.
8. PATCHING AND REPAIRS SHALL MATCH ADJACENT MATERIALS IN FINISH AND CONSTRUCTION.
9. ITEMS NOT DESIGNATED FOR SALVAGE OR REMOVAL BY OWNER ARE THE RESPONSIBILITY OF THE CONTRACTOR FOR REMOVAL AND DISPOSAL.



ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM



CITY OF ORANGE BEACH ; ORANGE BEACH, AL



OWNER
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PO BOX 458
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251-981-6979/2
ATTN: KEN GRIMES, JR.

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MCCOLLOUGH ARCHITECTURE
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ARCHITECT
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ATTN: CHRIS DEARMON / VAN SIMPSON

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ATTN: TOM WADE / BRIAN DOVE

ELECTRICAL ENGINEER
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251-460-4648
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Table with 3 columns: REV, DATE, DESCRIPTION

DATE 2-18-2019

TITLE 100% CONSTRUCTION DOCUMENTS

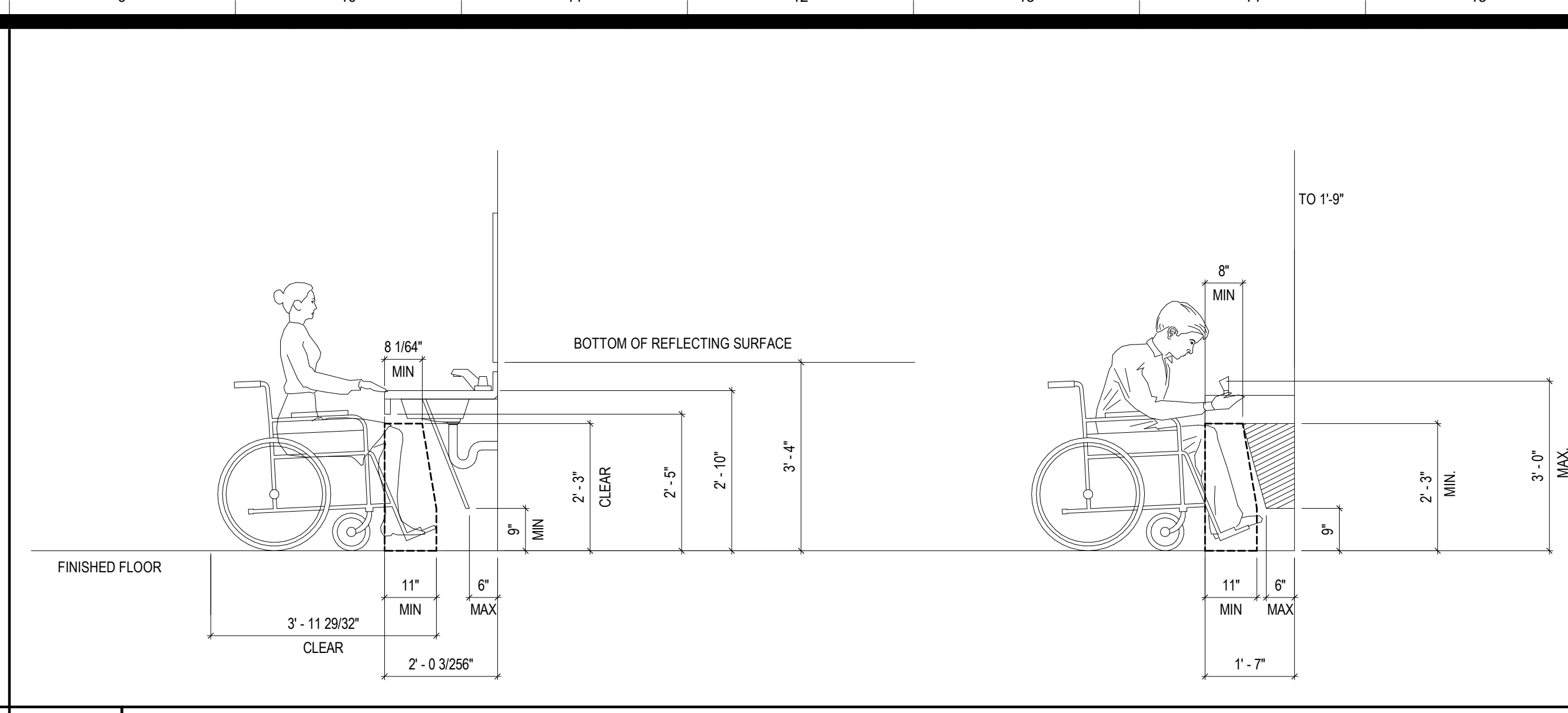
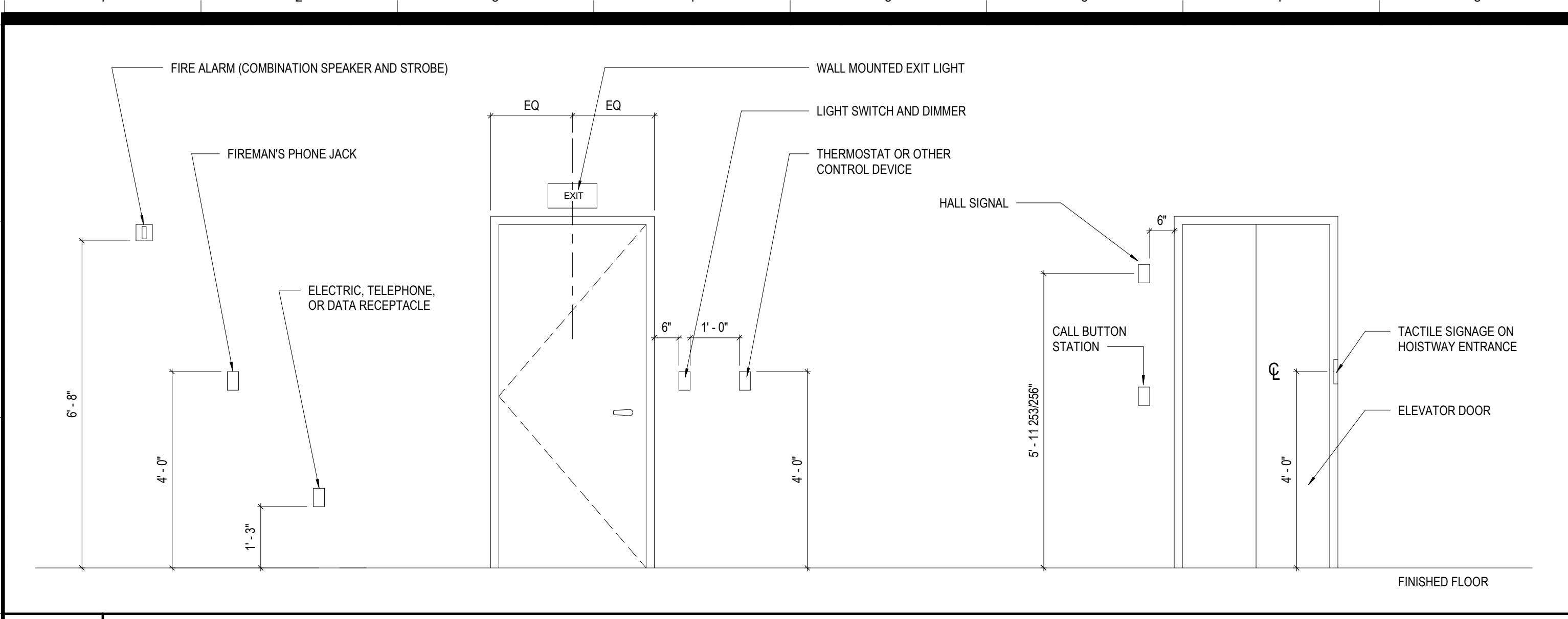
DESIGNED BY DAVIS ARCHITECTS PROJECT NO. 3891.01

SHEET TITLE GENERAL NOTES

DRAWING NO.

G1.2





NOTE: DIAGRAMS ON THIS SHEET REPRESENT MINIMUM CLEARANCE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS. NOTIFY ARCHITECT OF ANY CONDITIONS WHICH DO NOT CONFORM TO MINIMUM CLEARANCE REQUIREMENTS SHOWN HERE.

NOTE: TYPICAL TOILET ACCESSORIES LISTED IN SCHEDULE ARE TO BE PROVIDED IN ALL RESTROOMS IN QUANTITIES RELATIVE TO TOTAL NUMBER OF STALLS & URINALS SHOWN IN FLOOR PLANS FOR IN EACH RESTROOM.

STATE OF ALABAMA  
DAVIS ARCHITECTS  
REGISTERED ARCHITECT  
2413  
WILL E. DAVIS

ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM

CITY OF ORANGE BEACH;  
ORANGE BEACH, AL

DAVIS ARCHITECTS

OWNER  
CITY OF ORANGE BEACH  
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251-981-6979  
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ASSOCIATE ARCHITECT  
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4790 MAN ST #205  
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NSA ENGINEERS  
300 20TH ST. N., SUITE 100  
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205-323-6386  
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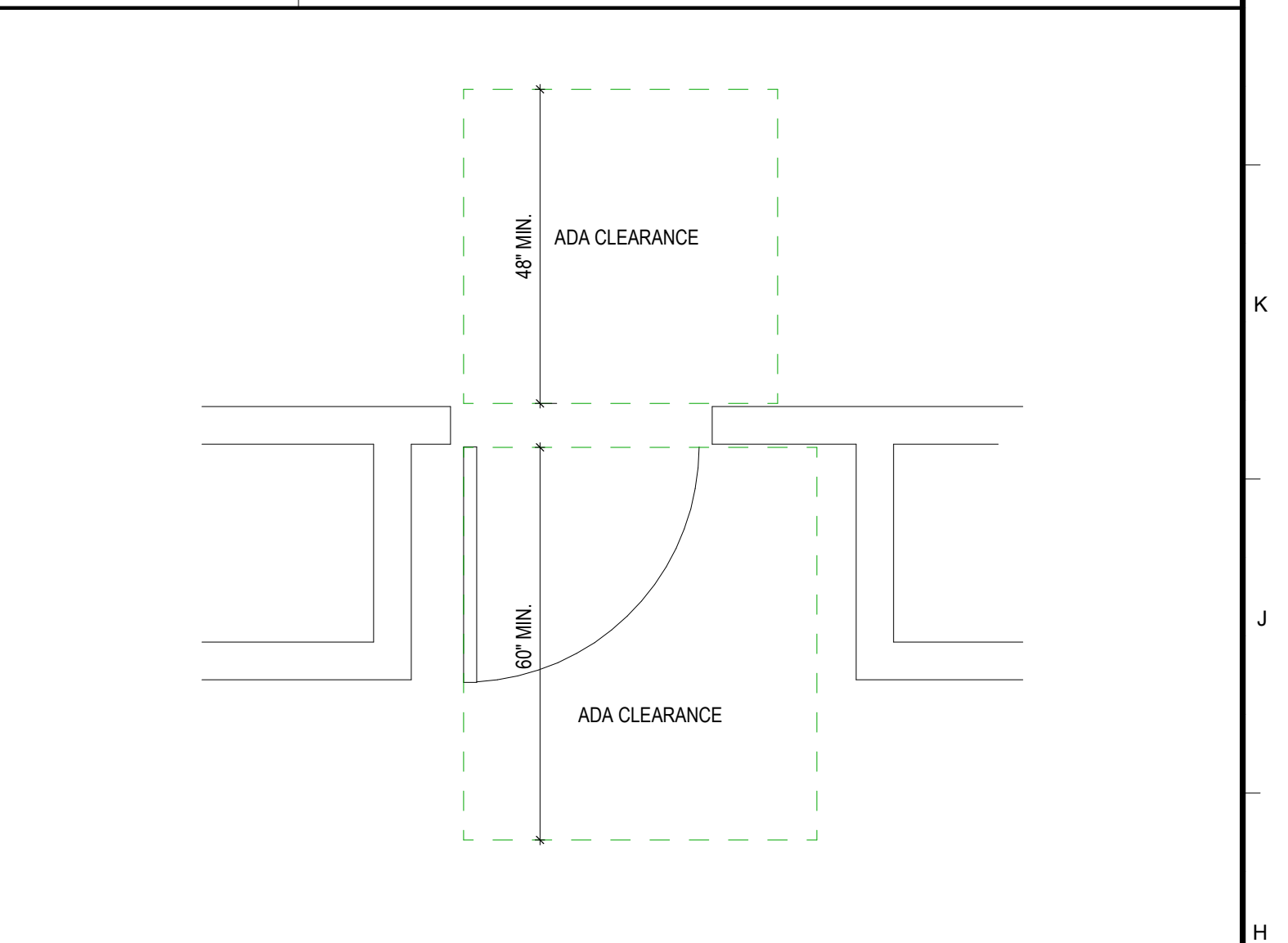
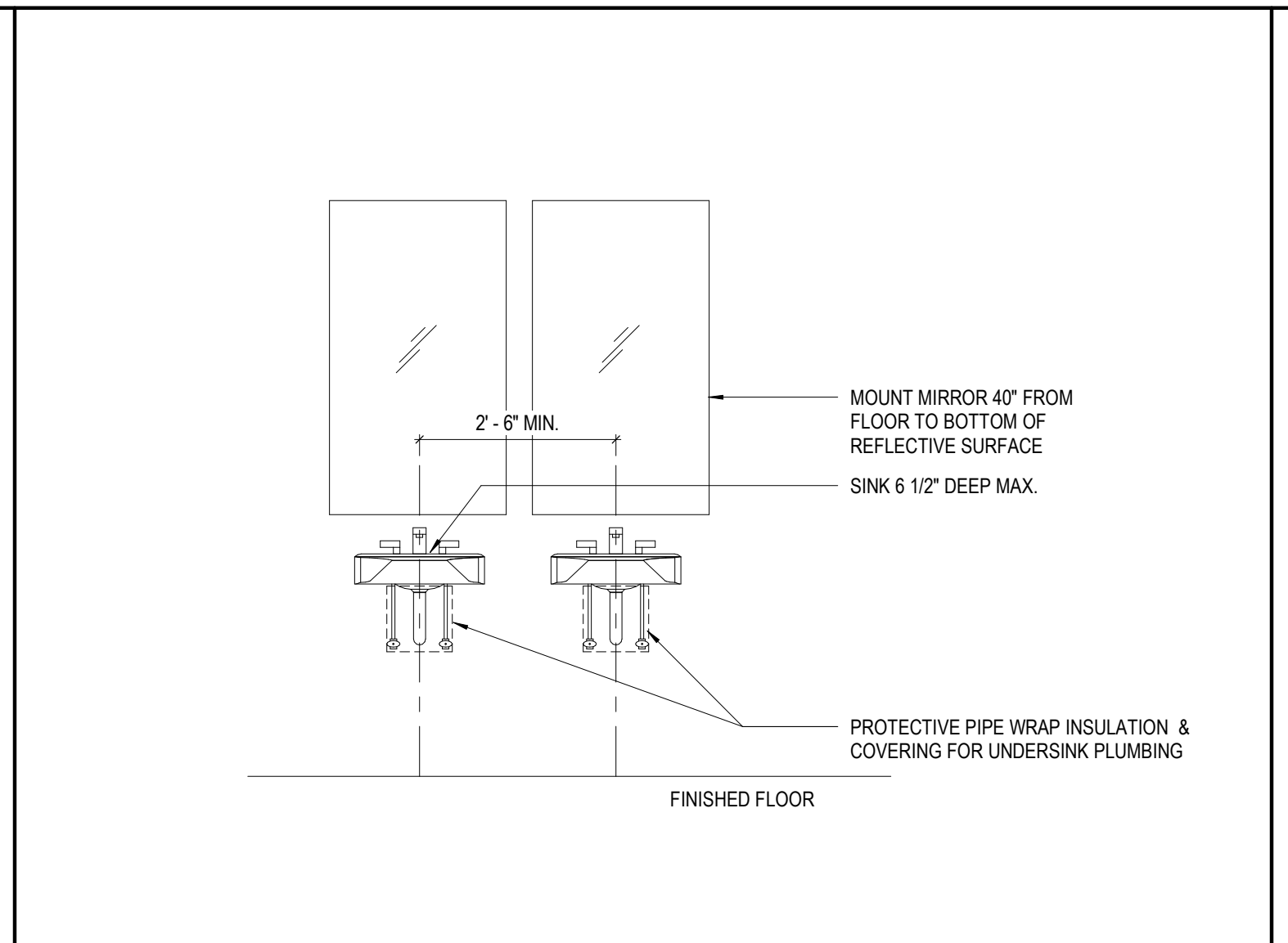
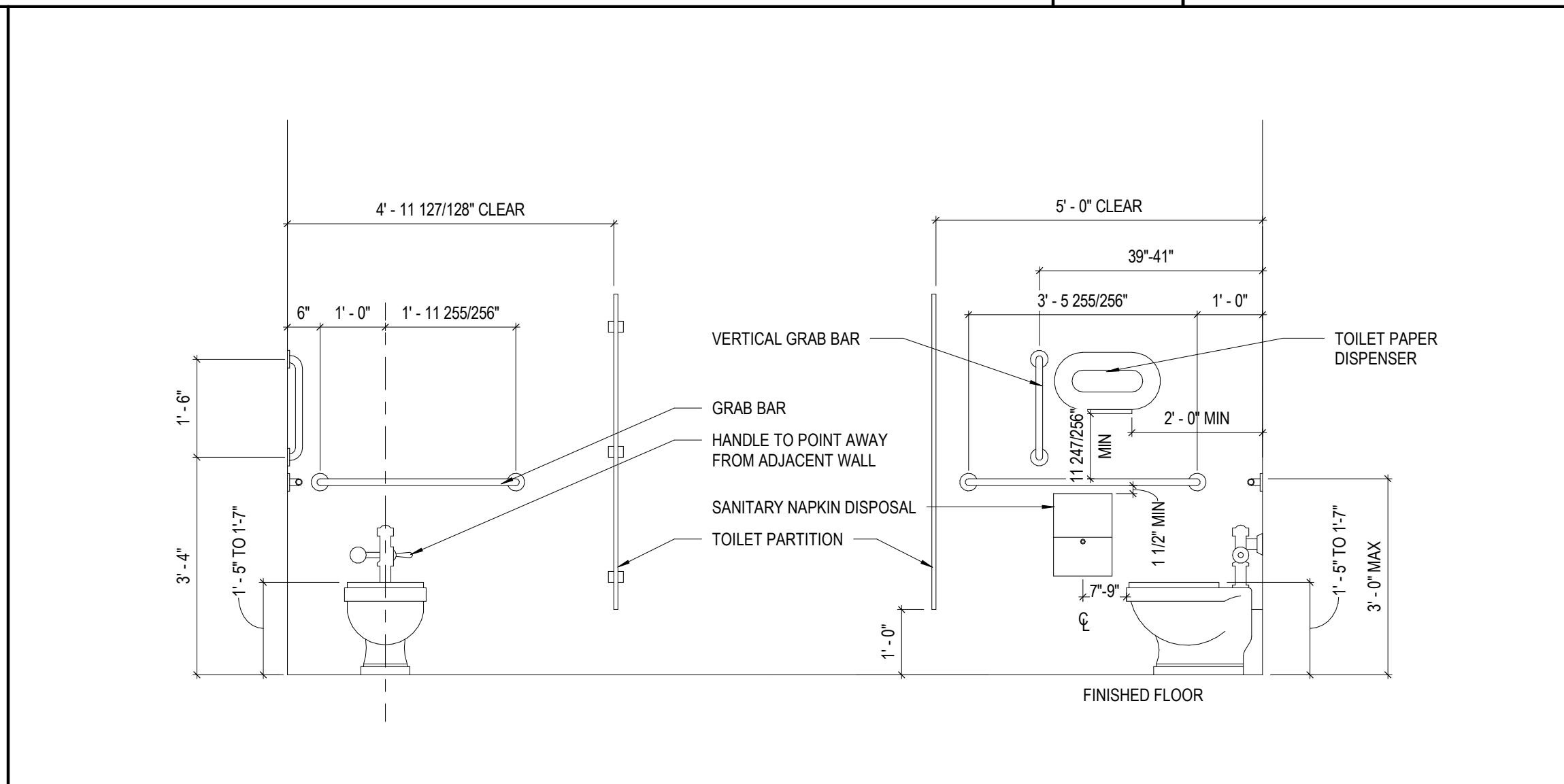
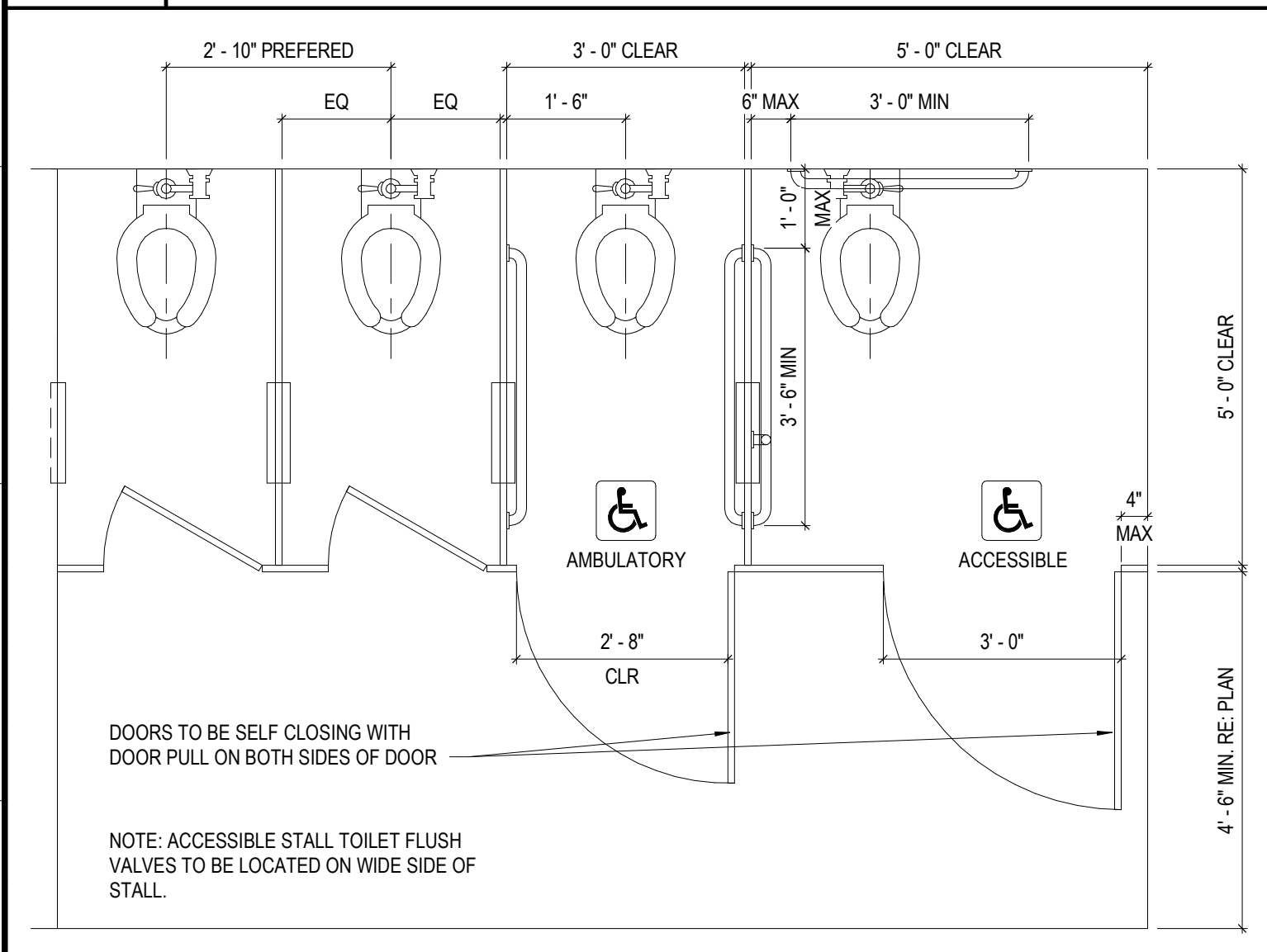
MECHANICAL / PLUMBING ENGINEER  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
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L1 STANDARD - MISC MOUNTING HEIGHTS  
SCALE: 1/2" = 1'-0"

L9 STANDARD - ADA MOUNTING HEIGHTS  
SCALE: 1/2" = 1'-0"

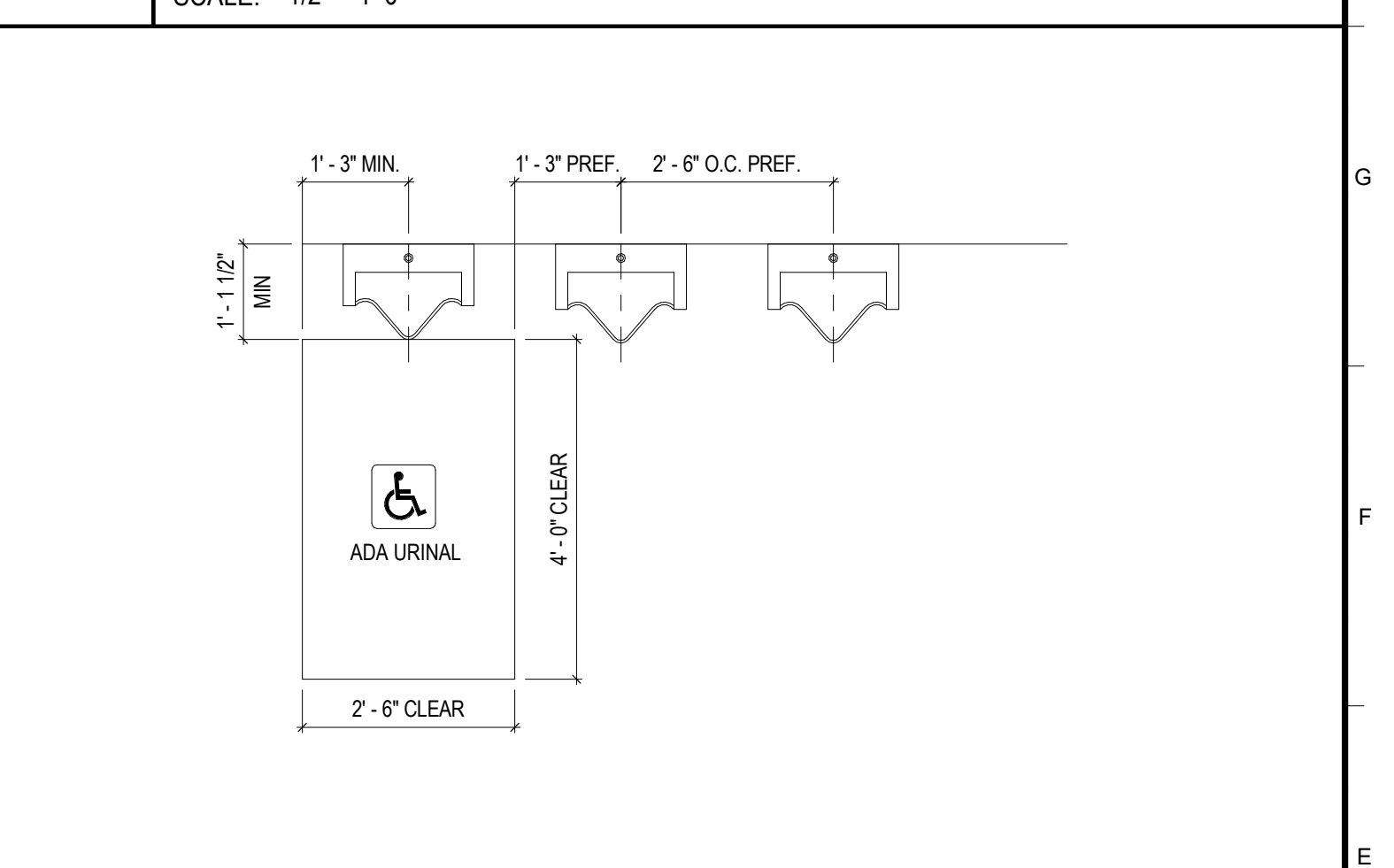
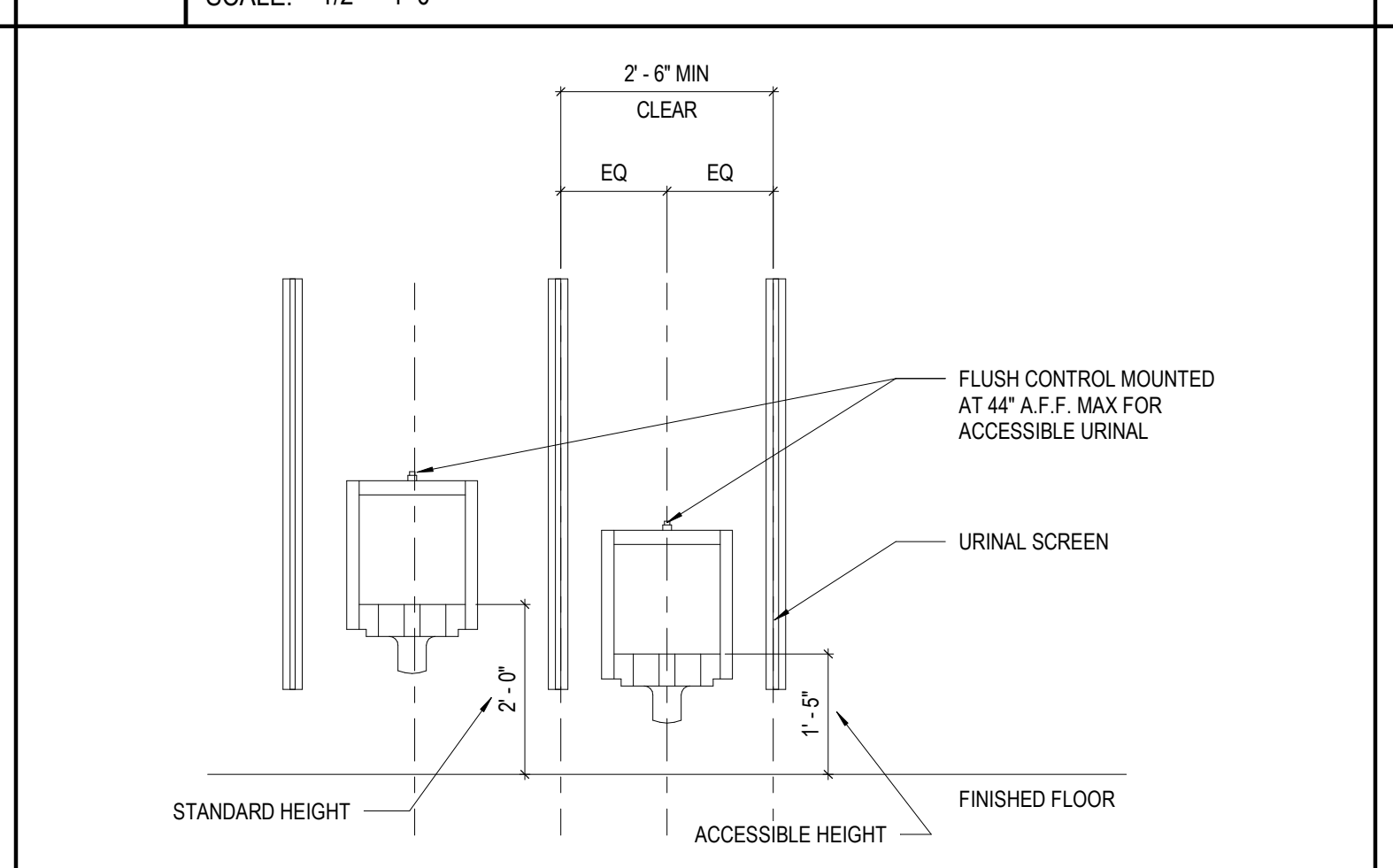
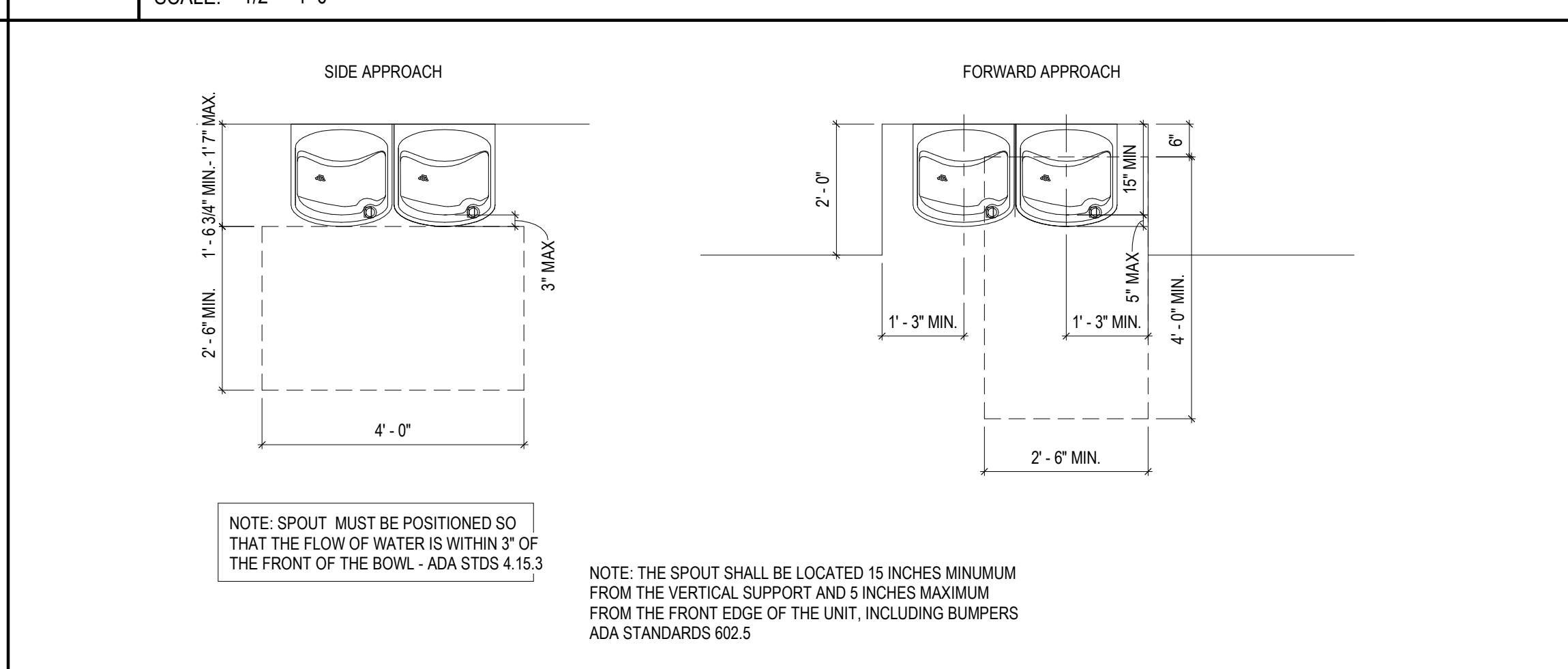
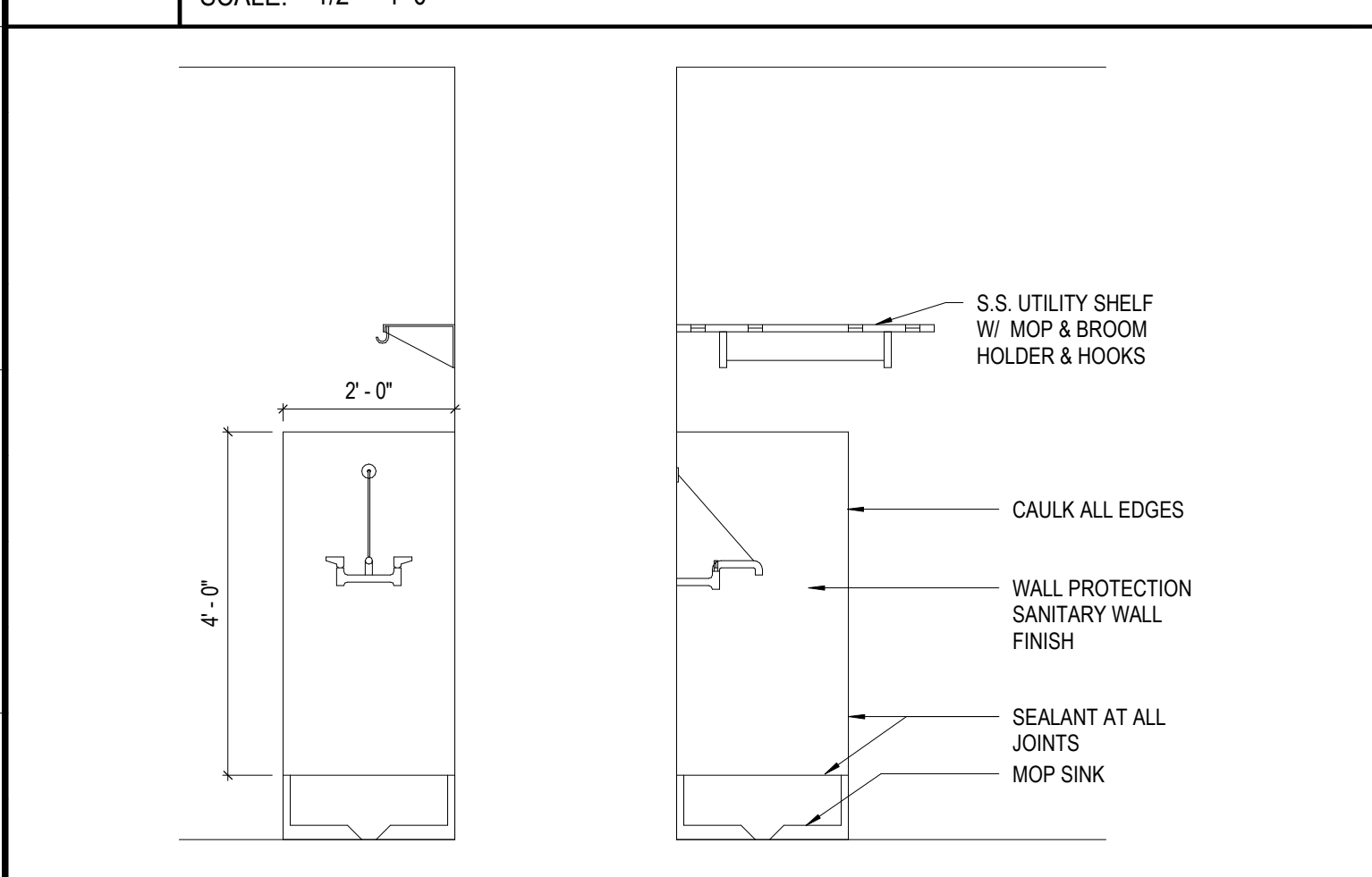


H1 STANDARD - MINIMUM TOILET DIMENSIONS  
SCALE: 1/2" = 1'-0"

H5 STANDARD - ADA TOILET STALL DIMENSIONS  
SCALE: 1/2" = 1'-0"

H11 STANDARD - SINK DIMENSIONS  
SCALE: 1/2" = 1'-0"

H15 STANDARD - SWINGING DOOR CLEARANCES  
SCALE: 1/2" = 1'-0"

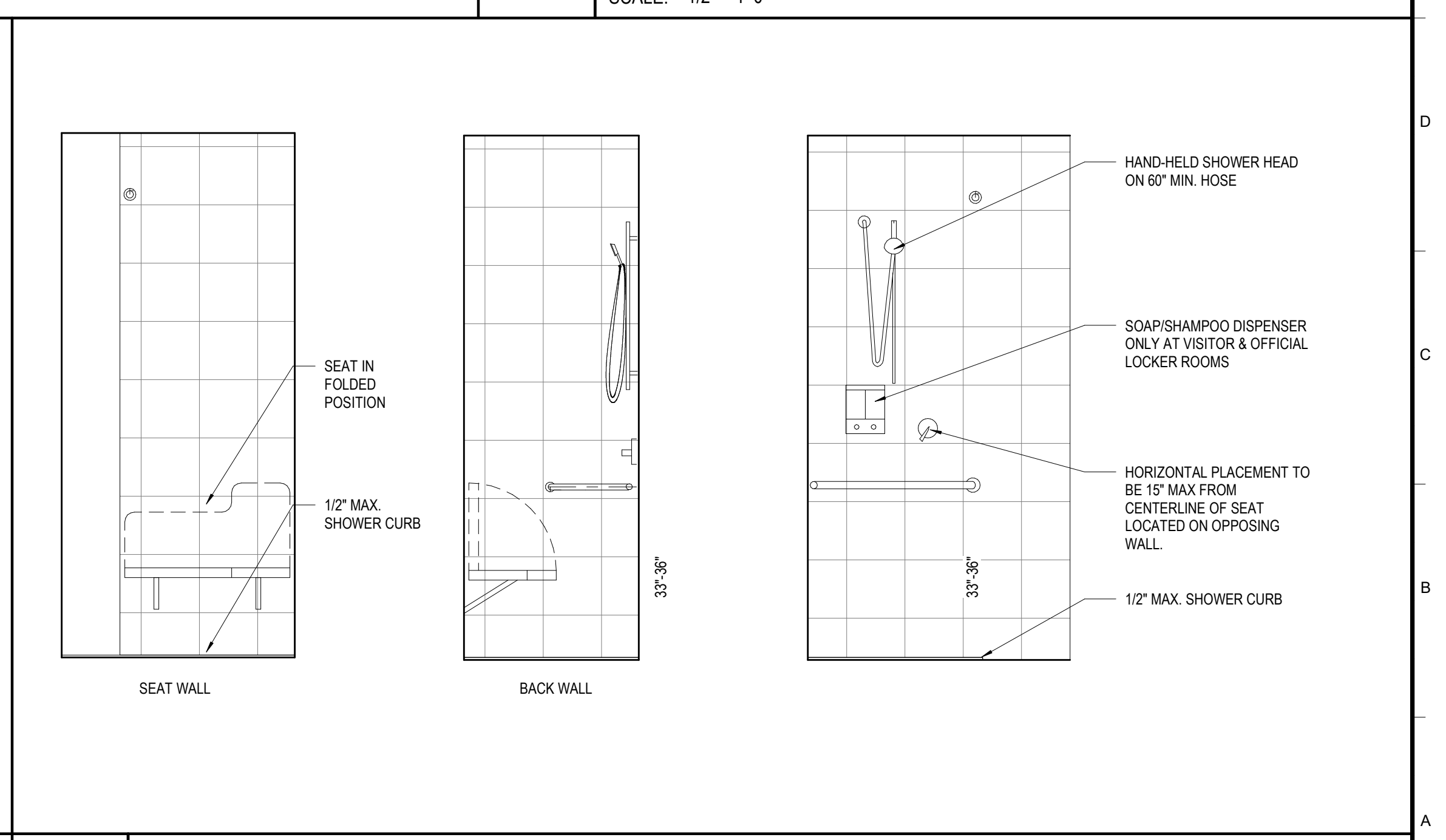
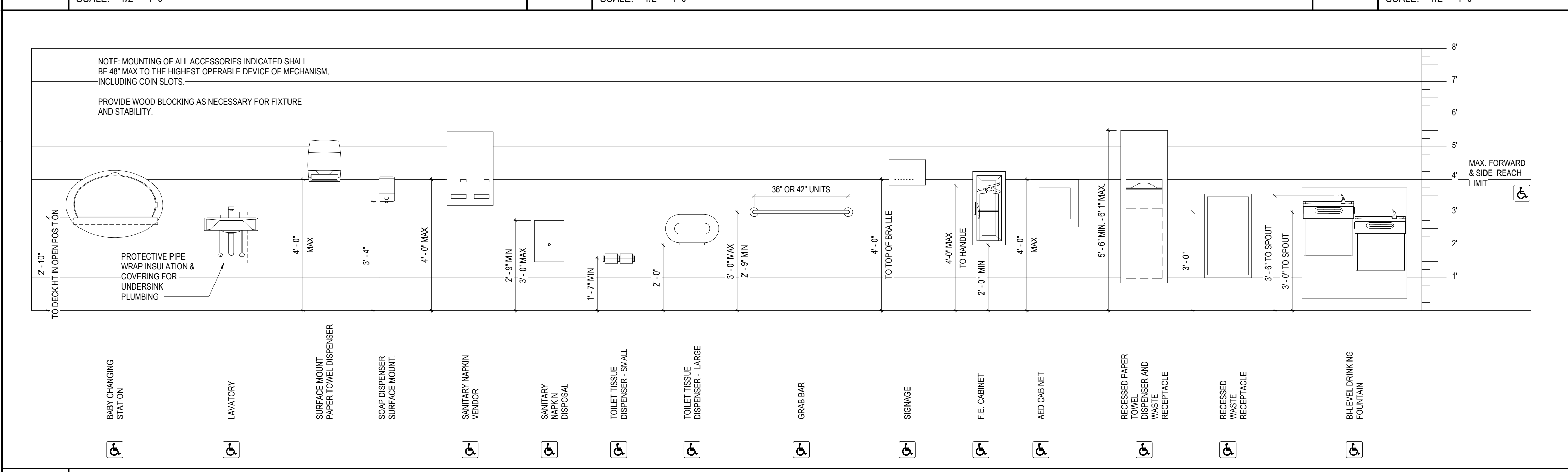


E1 STANDARD - CUSTODIAL CLOSET  
SCALE: 1/2" = 1'-0"

E5 STANDARD - WATER FOUNTAIN DIMENSIONS  
SCALE: 1/2" = 1'-0"

E11 STANDARD - URINAL MOUNTING HEIGHTS  
SCALE: 1/2" = 1'-0"

E15 STANDARD - MIN. URINAL DIMENSIONS  
SCALE: 1/2" = 1'-0"



A1 STANDARD - TYP FIXTURE MOUNTING HEIGHTS  
SCALE: 1/2" = 1'-0"

A13 STANDARD - ADA SHOWER  
SCALE: 1/2" = 1'-0"

REV DATE DESCRIPTION

DATE 2-18-2019  
FRAME 100% CONSTRUCTION DOCUMENTS  
DRAWN FOR DAVIS ARCHITECTS PROJECT NO 3891.01  
SHEET TITLE PROJECT STANDARDS  
DRAWING NO.

G1.3





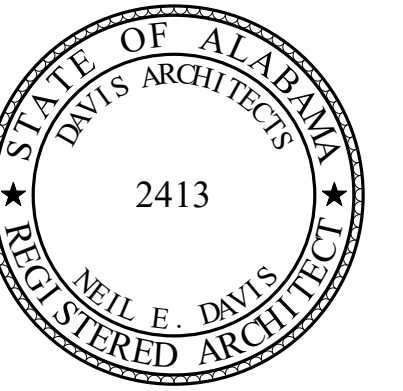
H1 EXTERIOR VIEW - ORANGE BEACH GYM

H10 EXTERIOR VIEW - ORANGE BEACH GYM



A1 EXTERIOR VIEW - ORANGE BEACH GYM

A10 EXTERIOR VIEW - ORANGE BEACH GYM



**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
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REV	DATE	DESCRIPTION

DATE: 2-18-2019

PHASE: 100% CONSTRUCTION DOCUMENTS

ISSUED FOR: PROJECT NO: 3891.01

DESIGNED BY: DAVIS ARCHITECTS

SHEET TITLE: BUILDING PERSPECTIVES - EXTERIOR

DRAWING NO.

G1.4





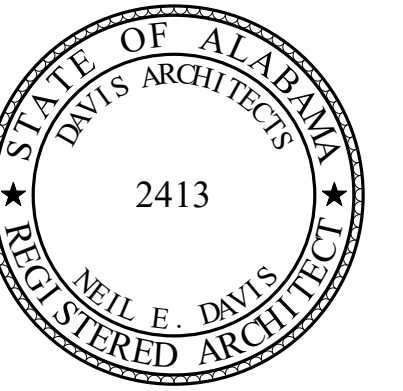
H1 INTERIOR VIEW - ORANGE BEACH GYM

H10 INTERIOR VIEW - ORANGE BEACH GYM



A1 INTERIOR VIEW - ORANGE BEACH GYM

A10 INTERIOR VIEW - ORANGE BEACH GYM



**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
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REV	DATE	DESCRIPTION

DATE: 2-18-2019

PHASE: 100% CONSTRUCTION DOCUMENTS

DESIGNED BY: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: BUILDING PERSPECTIVES - INTERIOR

DRAWING NO.

**G1.5**



CODE SUMMARY

APPLICABLE CODES

2018 (IBC) INTERNATIONAL BUILDING CODE
2018 (IECC) INTERNATIONAL ENERGY CONSERVATION CODE
2018 (IPC) INTERNATIONAL PLUMBING CODE
2018 (IGC) INTERNATIONAL GAS CODE
2018 (IMC) INTERNATIONAL MECHANICAL CODE
2017 (NEC) NATIONAL ELECTRICAL CODE
2018 (IFC) INTERNATIONAL FIRE CODE
2013 NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72)
ANSI/ASHRAE/IESNA STANDARD 90.1-2013 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PROJECT PROPERTIES

PREMISE - THIS PROJECT WILL INCLUDE A NEW ONE STORY GYMNASIUM WITH WITH STORAGE AND A MECHANICAL EQUIPMENT PLATFORM.

BUILDING - GC WILL DEMOLISH A PORTION OF THE EXISTING BUILDING WHICH IS A STORAGE AREA TO MAKE ROOM ON THE SITE FOR A NEW PRE-ENGINEER METAL GYM BUILDING AND CONVENTIONAL CONSTRUCTION STORAGE AREA AT THE POINT OF CONNECTION TO THE EXISTING BUILDING. THE NEW GYM AND STORAGE WILL BE TREATED AS AN EXTENSION OF ORIGINAL EXISTING RECREATION FACILITY.

SITE - WILL INCLUDE SELECTIVE DEMOLITION OF THE EXISTING SITE, ADJUSTING GRADE IS MINIMAL AND NEW SITE WALKS TO TIE IN THE NEW BUILDING INTO THE SURROUNDING WALKING PATHS.

ALL CODE SECTIONS CITED IN THE FOLLOWING ANALYSIS WILL BE BASED ON THE IBC UNLESS NOTED OTHERWISE.

MIXED OCCUPANCY CLASSIFICATIONS: NON-SEPARATED USES FOR BOTH BUILDINGS (SECTION 508.3)

NEW GYM ADDITION
PRIMARY OCCUPANCY:
INDOOR GYMNASIUM WITH SPECTATOR SEATING A-4

INCIDENTAL OCCUPANCYS NA

ACCESSORY USE OCCUPANCYS: STORAGE S

OFFICES, KITCHEN < 50 OCC. B

EXISTING RECREATION FACILITY
PRIMARY OCCUPANCY: RECREATION AND MULTI-USE SPACES A-3

SECONDARY OCCUPANCYS: INDOR GYMNASIUM WITH SPECTATOR SEATING A-4

INCIDENTAL OCCUPANCYS N/A

ACCESSORY TO USE OCCUPANCYS: OFFICES, KITCHEN < 50 OCC. B

STORAGE S

CONSTRUCTION TYPE:

NEW GYM ADDITION
I-2 CONSTRUCTION AND THE BUILDING IS FULLY SPRINKLERED (NFPA 1-2)

BUILDING HEIGHT & STORIES: ALLOWABLE HEIGHT/STORIES: ASSEMBLY (A-4) 75 FT / 3 STORIES (SECTION 504.2)

ACTUAL HEIGHT/STORIES: 32FT MAX / 1 STORY

ALLOWABLE AREA: ASSEMBLY (A-4) 38,000 FT²

ACTUAL AREA: 7,874 FT²

EXISTING RECREATION FACILITY
I-2 CONSTRUCTION AND THE BUILDING IS FULLY SPRINKLERED (NFPA 1-2)

BUILDING HEIGHT & STORIES: ALLOWABLE HEIGHT/STORIES: ASSEMBLY (A-3) 75 FT / 3 STORIES (SECTION 504.2)

ASSEMBLY (A-4) 75 FT / 3 STORIES (SECTION 504.2)

ACTUAL HEIGHT/STORIES: 30 FT MAX / 1 STORY

ALLOWABLE AREA: ASSEMBLY (A-3) 38,000 FT²

ASSEMBLY (A-4) 38,000 FT²

ACTUAL AREA: 28,900 FT²

COMPLETED FACILITY DESIGN
I-2 CONSTRUCTION AND THE BUILDING IS FULLY SPRINKLERED (NFPA 1-2)

BUILDING HEIGHT & STORIES: ALLOWABLE HEIGHT/STORIES: ASSEMBLY (A-3) 75 FT / 3 STORIES (SECTION 504.2)

ASSEMBLY (A-4) 75 FT / 3 STORIES (SECTION 504.2)

ACTUAL HEIGHT/STORIES: 32 FT MAX / 1 STORY

ALLOWABLE AREA: ASSEMBLY (A-3) 38,000 FT²

ASSEMBLY (A-4) 38,000 FT²

ACTUAL COMPLETED AREA: 36,774 FT²

PASSIVE FIRE RESISTANCE:

IDENTIFICATION OF FIRE RATED WALLS WITH SIGNS OR STENCILING: SECTION 703.7 REQUIRES FIRE RESISTIVE WALLS TO BE IDENTIFIED.

STRUCTURAL FRAME (COLUMNS, BEAMS AND GIRDERS CONNECTING TO COLUMNS, BEARING WALLS AND DIAGONALS CARRYING GRAVITY LOADS): 0 HOUR (TABLE 601) INDIVIDUALLY PROTECTED

INTERIOR AND EXTERIOR BEARING WALLS: 0 HOUR (TABLE 601 & 602) (EXTERIOR WALLS SHOULD BE DESIGNED BASED ON TABLE 602 BASED ON FIRE SEPERATION)

ROOF CONSTRUCTION: 0 HOUR (TABLE 601)

FLOOR EQUIPMENT PLATFORM: 0 HOUR AND NON-COMBUSTIBLE

ROOF COVERING: CLASS C (TABLE 1505.1)

OCCUPANCY SEPARATIONS: 0 HOUR (SECTION 508 & TABLE 508.4)

EXTERIOR NONBEARING WALLS: 0 HOUR CONSTRUCTION (TABLE 601 & 602) (EXTERIOR WALLS SHOULD BE DESIGNED BASED ON TABLE 602 BASED ON FIRE SEPERATION)

PERMANENT PARTITIONS: 0 HOUR (TABLE 601)

CORRIDORS: 0 HOUR

STORAGE ROOMS: 0 HOUR

TABLE 602: FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPERATION - SEE LIFE SAFETY SITE PLANS.

EXTERIOR WALL FIRE RESISTANCE RATING PER FIRE SEPERATION

FIRE SEPERATION DISTANCE (FT) X < 5 1 HOUR

5 <= X < 10 1 HOUR

10 <= X < 30 0 HOUR

X >= 30 0 HOUR

CONSTRUCTION MATERIALS REQUIREMENTS:

CONSTRUCTION MATERIALS: WALLS, FLOORS AND STRUCTURAL ELEMENTS: NONCOMBUSTIBLE (SECTION 602.2).

USE OF WOOD: WOOD BOARDS (E.G., PLYWOOD, OSB, ETC.) (SECTION 603.1.1): PLYWOOD ON INTERIOR METAL STUDS: PERMITTED. REQUIRED TO BE FIRE-RETARDANT-TREATED.

PLYWOOD WITHIN ROOF ASSEMBLIES: REQUIRED TO BE FIRE RETARDANT TREATED.

EXTERIOR SHEATHING (SECTION 602.2): NONCOMBUSTIBLE (OR FIRE RETARDANT TREATED).

2X BLOCKING (SECTION 603.1.1#4): PERMITTED. NOT REQUIRED TO BE FIRE-RETARDANT-TREATED.

NO RIGID OR SPRAYED INSULATION IS USED IN THE PROJECT.

CHAPTER 7

TABLE 705.8: MAXIMUM AREA OF EXTERIOR WALL OPENING BASED ON FIRE SEPERATION DISTANCE AND DEGREE OF OPENING PROTECTION - SEE LIFE SAFETY SITE PLANS.

DEGREE OF OPENING PROTECTION UNPROTECTED, SPRINKLERED (U.P.S.)

0 TO 3 NOT PERMITTED

GREATER THAN 3 TO 5 15%

GREATER THAN 5 TO 10 25%

GREATER THAN 10 TO 15 45%

GREATER THAN 15 TO 20 75%

GREATER THAN 20 TO 25 NO LIMIT

GREATER THAN 25 TO 30 NO LIMIT

GREATER THAN 30 NO LIMIT

PUBLIC WAY/FIRE SEPERATION DISTANCE: OVER 30'-0" PUBLIC WAY/FIRE SEPERATION @ ALL SIDES OF THE COMPLETED BUILDING DESIGN

706.1: EACH PORTION OF A BUILDING SEPARATED BY ONE OR MORE FIRE WALLS THAT COMPLY WITH THE PROVISIONS OF THIS SECTION SHALL BE CONSIDERED A SEPARATE BUILDING.

706.4: FIRE WALLS SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN THAT REQUIRED BY TABLE 706.4.

GROUP FIRE RESISTANCE RATING (HOURS)

A, B, E, H-4, I, R-1, R-2, U 3HR (NOT APPLICABLE TO PROJECT)

(\*) IN TYPE II OR V CONSTRUCTION, WALLS SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE RESISTANCE RATING.

706.6: FIRE WALLS SHALL EXTEND FROM THE FOUNDATION TO A TERMINATION POINT NO LESS THAN 30 INCHES ABOVE BOTH ADJACENT ROOFS

707.4: FIRE BARRIERS, FIRE WALLS OR HORIZONTAL ASSEMBLIES, OR COMBINATION THEREOF SEPARATING A SINGLE OCCUPANCY INTO DIFFERENT FIRE AREAS SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN THAT INDICATED IN TABLE 707.3.10 MIX OCCUPANCIES TO US THE HIGHEST VALUE INDICATED.;

GROUP FIRE RESISTANCE RATING (HOURS)

A, B, E, F-2, H-4, H-5, I, M, R, S-2 2HR (NOT APPLICABLE TO PROJECT)

708 FIRE PARTITIONS

708.3 FIRE RESISTANCE RATING: FIRE PARTITIONS SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR (NOT APPLICABLE TO PROJECT)

708.3 EXCEPTION 1: ALL CORRIDOR WALLS PERMITTED TO HAVE 1/2 HOUR FIRE RESISTANCE RATING BY TABLE 1020.1. (NOT APPLICABLE TO PROJECT)

708.4 CONTINUITY: FIRE PARTITIONS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE OR TO THE FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF CEILING ASSEMBLY ABOVE, AND SHALL BE SECURELY ATTACHED THERE TO.

711 FLOOR AND ROOF ASSEMBLIES

711.2 HORIZONTAL ASSEMBLIES: HORIZONTAL ASSEMBLIES SHALL COMPLY WITH 711.2.1 THROUGH 711.2.6.

711.2.2 CONTINUITY: ASSEMBLIES SHALL BE CONTINUOUS WITHOUT VERTICAL OPENINGS EXCEPT AS PERMITTED BY THIS SECTION AND 712.

711.2.4.5 SEPARATING INCIDENTAL USES: WHERE THE HORIZONTAL ASSEMBLY SEPARATES INCIDENTAL USES FROM THE REMAINDER OF THE BUILDING, THE ASSEMBLY SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN THAT REQUIRED BY SECTION 509.

CHAPTER 8

INTERIOR WALL AND CEILING FINISH MATERIALS

FLAME SPREAD 0-25, SMOKE DEVELOPMENT 0-450 CLASS A

FLAME SPREAD 26-75, SMOKE DEVELOPMENT 0-450 CLASS B

FLAME SPREAD 76-200, SMOKE DEVELOPMENT 0-450 CLASS C

TABLE 803.11 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP INTERIOR EXIT STAIRWAYS, RAMPS, AND EXIT PASSAGEWAYS CORRIDORS ROOMS AND ENCLOSED SPACES

ASSEMBLY (A-3/A-4) B B C C

BUSINESS B C C C

STORAGE C C C C

CHAPTER 9

FIRE PROTECTION SYSTEMS - AUTOMATIC SPRINKLER SYSTEM REQUIRED (SECTION 903.2.1.3 AND 903.2.1.4)

STANDPIPES NOT REQUIRED (SECTION 905.3)

FIRE EXTINGUISHERS REQUIRED (SECTION 906)

MANUAL FIRE ALARM SYSTEM REQUIRED

PULL STATIONS MAY BE OMITTED (SECTION 907.2.1 EXCEPTION 2) ALARM MUST ACTIVATE BY SPRINKLER WATER FLOW, AND ONE FIRE ALARM BOX MUST BE PROVIDED (SECTION 907.2)

VOICE EVACUATION NOT REQUIRED (SECTION 907.2)

CHAPTER 10

MEANS OF EGRESS

TABLE 1004.1.2 OCCUPANT LOAD FACTORS SQUARE FEET PER PERSON

ASSEMBLY (UNCONCENTRATED) 15 SF (NET)

ASSEMBLY (FIXED) PER SECTION 1004.6

BUSINESS (EXISTING BUILDING ONLY) 150 SF (GROSS)

EXERCISE 50 SF (GROSS)

KITCHEN (EXISTING BUILDING ONLY) 200 SF (GROSS)

LOCKERS (EXISTING BUILDING ONLY) 50 SF (GROSS)

STORAGE/MECHANICAL 300 SF (GROSS)

MINIMUM HEIGHT SECTION 1002.2 - CORRIDORS AND ROOMS HEIGHT: 90 IN.

MINIMUM EGRESS WIDTH FOR OCCUPANCY SERVED, SPRINKLED

1005.3.1 STAIRWAYS 0.3 INCH PER OCCUPANT

1005.3.2 OTHER EGRESS COMPONENTS 0.2 INCH PER OCCUPANT

TABLE 1006.3 - REQUIRED NUMBER OF EXITS OR ACCESS TO EXITS PER STORY

1,500 OCCUPANTS 2 EXITS REQUIRED

501-1,000 OCCUPANTS 3 EXITS REQUIRED

1009.1 ACCESSIBLE MEANS OF EGRESS: ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS, WHERE MORE THAN ONE MEANS OF EGRESS ARE REQUIRED BY SECTION 1006.3.

1009.2 CONTINUITY AND COMPONENTS: EACH REQUIRED ACCESSIBLE MEANS OF EGRESS SHALL BE CONTINUOUS TO A PUBLIC WAY AND SHALL CONSIST OF ACCESSIBLE ROUTES, INTERIOR EXIT STAIRWAYS, EXIT ACCESS STAIRWAYS, ELEVATORS, PLATFORM LIFTS, HORIZONTAL EXITS, RAMPS, AREAS OF REFUGE, AND EXTERIOR AREAS FOR ASSISTED RESCUE.

1010 DOORS

1010.1.1 MAXIMUM DOOR LEAF WIDTH = 48 INCHES

MINIMUM DOOR LEAF WIDTH = 36 INCHES

MINIMUM CLEAR WIDTH = 32 INCHES

MINIMUM CLEAR HEIGHT = 80 INCHES

CHAPTER 10 (CONTINUED)

1010.1.2.1 DIRECTION OF SWING: DOOR SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE PERSONS

1010.7 THRESHOLDS: THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2 INCH ABOVE THE FINISHED FLOOR OR LANDING

1010.1.8 DOOR ARRANGEMENT: SPACE BETWEEN TWO DOORS IN A SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF A DOOR SWINGING INTO THE SPACE. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS

1010.1.9.1 HARDWARE: DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWIRLING OF THE WRIST TO OPERATE THE DOOR

1011 STAIRWAYS

INTERIOR STAIR PROVIDED - STAIR DOES NOT SERVE PUBLIC USE AND SERVES EQUIPMENT PLATFORM

1011.2 STAIR WIDTH SERVING AN OCCUPANT LOAD OF LESS THAN 50 SHALL HAVE A WIDTH OF NOT LESS THAN 36 INCHES (STAIR SERVES LESS THAN 10 PEOPLE)

1011.3 HEADROOM HEIGHT MIN 80 INCHES

1011.5.2 RISERS AND TREAD DIMENSIONS TREADS 11" MIN (12" W/ NOSING PROVIDED) RISERS 4" MIN TO 7" MAX (7" PROVIDED)

1011.6 STAIRWAY LANDINGS (STAIR DOES NOT HAVE INTERMEDIATE LANDINGS)

1013 EXIT SIGNS

1013.1 WHERE REQUIRED: EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN AN EXIT CORRIDOR OR EXIT PASSAGEWAY IS MORE THAN 100 FEET OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICH EVER IS LESS FROM THE NEAREST VISIBLE EXIT SIGN

EXCEPTION 1: EXIT SIGNS ARE NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY ONE EXIT OR EXIT ACCESS

1014 HANDRAILS

1014.2 HEIGHT: HANDRAIL HEIGHT, MEASURED ABOVE STAIR TREAD NOSING SHALL BE UNIFORM, NOT LESS THAN 34 INCHES AND NOT MORE THAN 38 INCHES

1014.3 HANDRAILS TYPE 1: HANDRAILS WITH CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF NOT LESS THAN 1 1/4 INCHES AND NOT GREATER THAN 2 INCHES

1014.7 CLEARANCE: CLEAR SPACE BETWEEN A HANDRAIL AND A WALL OR OTHER SURFACE SHALL BE NOT LESS THAN 1 1/2 INCHES

1015 GUARDS

1015.2 WHERE REQUIRED: GUARDS SHALL BE LOCATED ALONG OPEN SIDED WALKING SURFACES, INCLUDING MEZZANINES, EQUIPMENT PLATFORMS, AISLES, STAIRS, RAMPS, AND LANDINGS THAT LOCATED MORE THAN 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY TO THE EDGE OF THE OPEN SIDE

1015.3 HEIGHT: REQUIRED GUARDRAILS SHALL NOT BE MORE THAN 48 INCHES HIGH

1015.4 OPENING LIMITATIONS: REQUIRED GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4 INCHES IN DIAMETER FROM THE WALKING SURFACE TO THE REQUIRED GUARDRAIL HEIGHT.

1017 EXIT ACCESS TRAVEL DISTANCE

TABLE 1017.2 OCCUPANCY GROUP A MAX TRAVEL DISTANCE TO EXIT = 250 FT

1019 EXIT ACCESS ACCESS STAIRS

1019.3 - FLOOR OPENINGS CONTAINING EXIT ACCESS STAIRWAYS OR RAMPS SHALL BE ENCLOSED WITH A SHAFT ENCLOSURE CONSTRUCTED IN ACCORDANCE WITH SECTION 713

1019.3 - EXCEPTION: 1) EXIT ACCESS STAIRWAYS AND RAMPS THAT SERVE OR ATMOSPHERICALLY COMMUNICATE BETWEEN ONLY TWO STORIES, SUCH INTERCONNECTED STORIES SHALL NOT BE OPEN TO OTHER STORIES.

NOTE SECTION 505.3 - STAIR SERVING THE EQUIPMENT PLATFORM SHALL NOT SERVE AS A PART OF THE MEANS OF EGRESS FROM THE BUILDING.

1020 CORRIDORS:

TABLE 1020.1: REQUIRED FIRE RESISTANCE RATING GROUP A, GROUP B & GROUP S 0 HOURS (SPRINKLER)

ANY FACILITY NOT LISTED

WITH AN OCCUPANT LOAD OF LESS THAN 50

ACCESS TO MEP EQUIPMENT 44 INCHES

24 INCHES

1020.4 DEAD ENDS: MAXIMUM DEAD IN CORRIDORS NOT TO EXCEED 20 FEET

CHAPTER 11

ACCESSIBILITY

BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE ADOPTED IBC.

1105.1 PUBLIC ENTRANCES: AT LEAST 60 PERCENT OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE SPACES

CHAPTER 29

PLUMBING SYSTEMS

BASED ON TABLE 2902.1, THE CALCULATED LOAD OF AREAS CAN BE BASED ON ACTUAL ANTICIPATED USE FOR THE DETERMINATION OF PLUMBING FIXTURES ONLY. (SECTION 1004.1.1)

USE CLASSIFICATION REQUIRED WATER CLOSETS REQUIRED LAVATORIES REQUIRED DRINKING FOUNTAINS SERVICE SINK

(A) ASSEMBLY (A-3 / A-4) 1 PER 125 1 PER 65 1 PER 200 1 PER 500 1

OCCUPANCY GROUP EXISTING & NEW OCCUPANCY LOAD WATER CLOSETS LAVATORIES DRINKING FOUNTAINS SERVICE SINKS

ASSEMBLY (A) 1087 54 M 54 F 4.36 8.4 2.72 2.72 2.18 1 PER FLOOR

REQUIRED 5 9 3 3 4 1 PER FLOOR

EXISTING PROVIDED FIXTURES 8 9' 8 9' 6 2

NEW PROVIDED FIXTURES 0 0 0 0 2 0

TOTAL PROVIDED FIXTURES 8 9' 8 9' 8 2

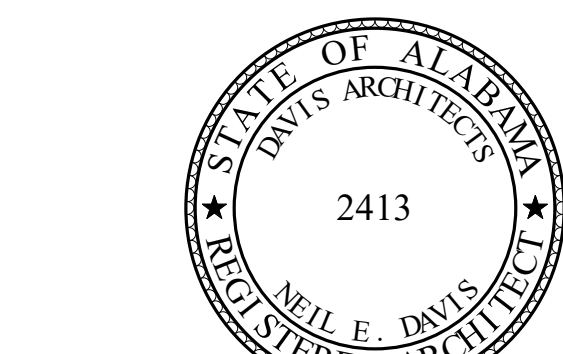
PLUMBING COMMENTS AND NOTATIONS:

1. SEE OCCUPANCY COUNT PER OCCUPANCY USE ON G1.1 - TOTAL OCCUPANCY FOR PLUMBING FIXTURES IS BASED ON THE COMBINED OCCUPANTS FOR THE EXISTING RECREATION CENTER AND NEW GYM ADDITION.

2. URINALS MAY BE USED FOR UP TO 6% OF THE WATER CLOSETS IN ASSEMBLY AND EDUCATIONAL OCCUPANCIES. OTHERWISE URINALS MAY BE USED FOR UP TO 50% OF THE WATER CLOSETS (2015 IPC SECTION 424.2)

3. FAMILY UNISEX TOILETS REQUIRED WHEN AN AGGREGATE OF 6 OR MORE ASSEMBLY TOILET FACILITIES ARE REQUIRED (SECTION 1109.2.1) - NOT APPLICABLE

4. \*1 UNISEX WATERCLOSET AND LAVATORY FIXTURES COUNTED WITHIN WOMEN PLUMBING QUANTITY



ORANGE BEACH RECREATION COMPLEX NEW SERVICE SINNASIUM



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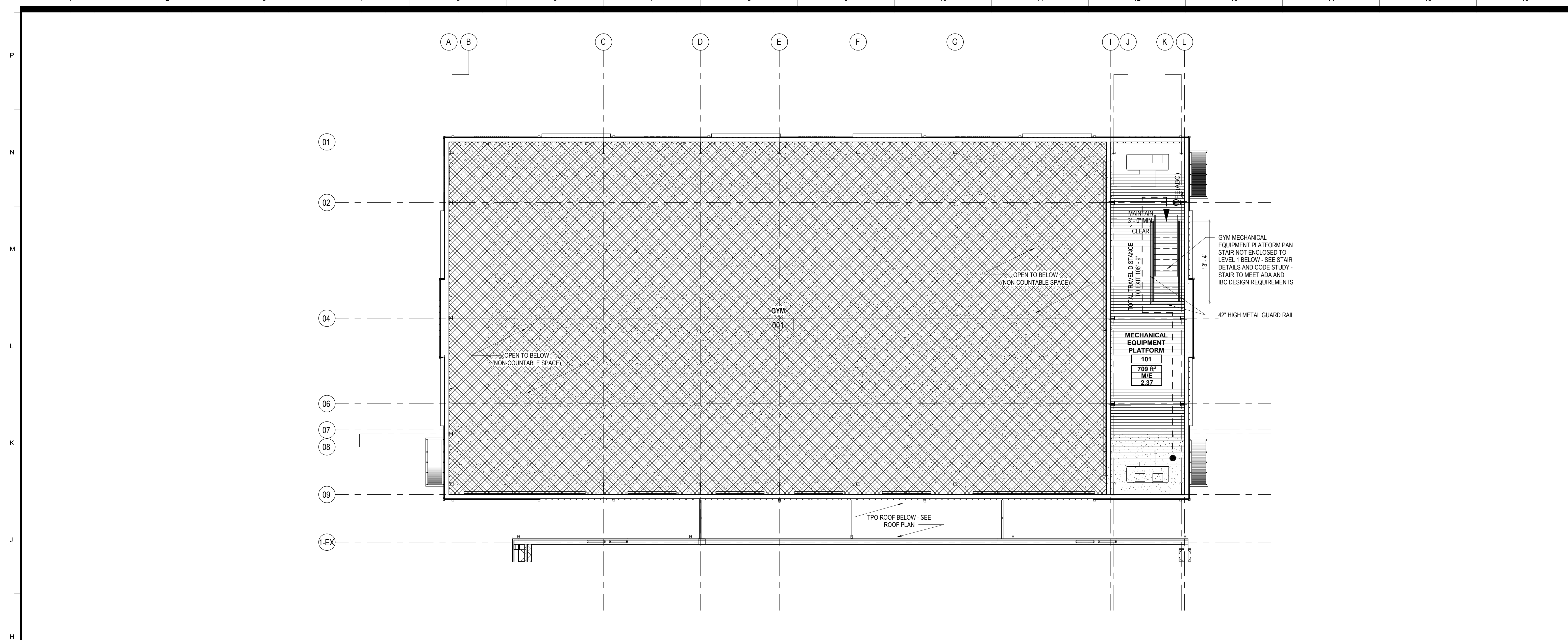
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MECHANICAL / PLUMBING ENGINEER GULF STATES ENGINEERING

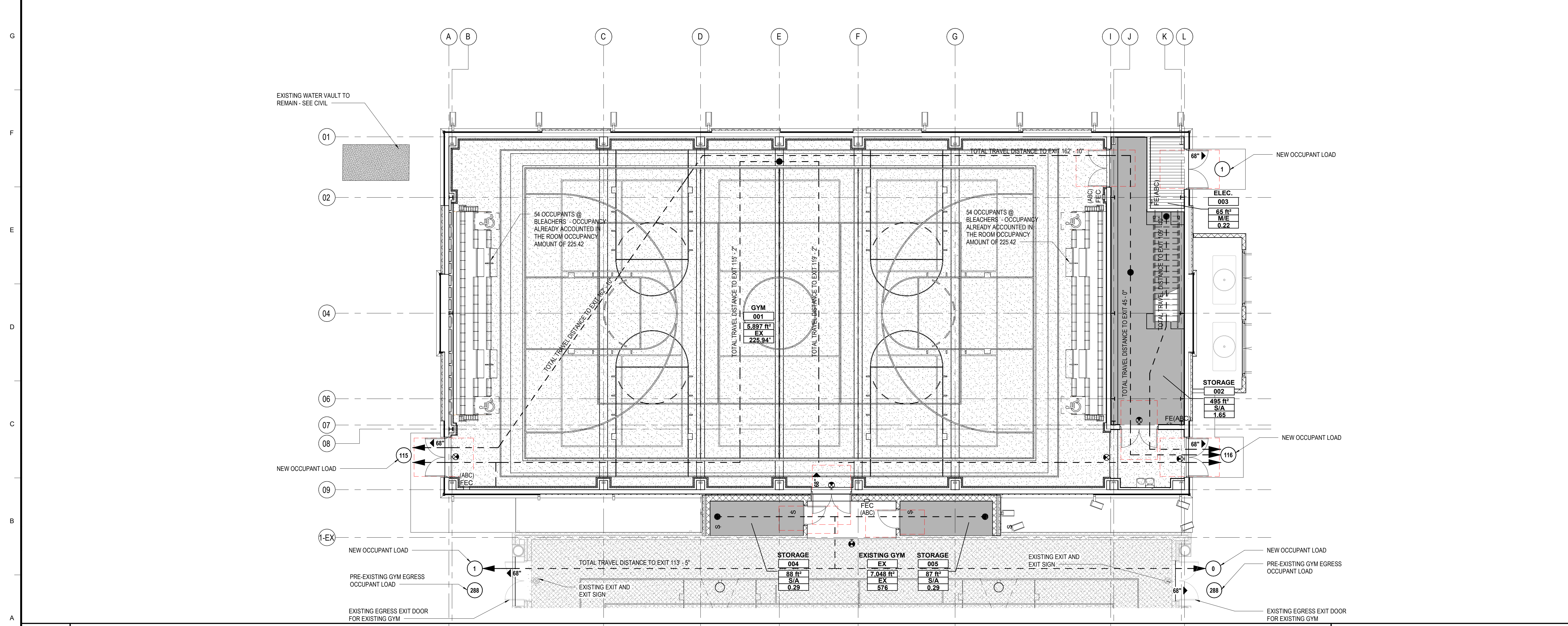
600 AZALEA ROAD, MOBILE, AL 36609

251-460-464





H1 MECHANICAL EQUIPMENT PLATFORM - FLOOR PLAN - LIFE SAFETY PLAN  
SCALE: 1/8" = 1'-0"



A1 LEVEL 1 - FLOOR PLAN - LIFE SAFETY PLAN  
SCALE: 1/8" = 1'-0"

### LIFE SAFETY PLAN OCCUPANCY LEGEND

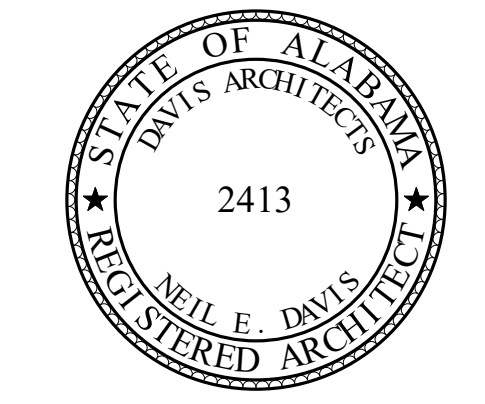
	EXERCISE (50 SF/PERSON)
	MECHANICAL / ELECTRICAL (300 SF/PERSON)
	STORAGE / ACCESSORY (300 SF/PERSON)
	OPEN TO BELOW (NON-COUNTABLE SPACE)

### SYMBOLS LEGEND

	100' PATH OF EGRESS / EXIT DISTANCE
	100 OCCUPANT LOAD AT EXIT
	66" EGRESS WIDTH AT EXIT
	EXIT SIGN (LIGHTED FACE SHADED)
	FIRE EXTINGUISHER CABINET
	FIRE EXTINGUISHER (TYPES: A-2/ABC)

ROOM NAME	ROOM NAME AND NUMBER
101	MECHANICAL EQUIPMENT PLATFORM
150 SF	SQUARE FOOTAGE
A	TYPE AND OCCUPANCY
20	

- ### GENERAL NOTES
- (\*) NEW GYM ROOM OCCUPANT LOAD = 226 OCCUPANTS - THE MOST CONSERVATIVE OCCUPANT CODE APPROACH WHERE ALL OF THE BLEACHERS BENCH SEATS ARE FILLED AND THE USABLE CLEAR SQFT WAS USED. (THE GYM FLOOR IS 5,937 SQFT @ 50 SQFT PER PERSON = 118 OCCUPANTS + 108 FIXED SEAT OCCUPANTS) - NOTE: WHEN THE BLEACHERS ARE IN THE RETRACTED (NOT USED) POSITION THERE WOULD BE 6,042 SQFT CLEAR FLOOR SPACE IN THE GYM WITH A MAX OCCUPANCY OF 121 OCCUPANTS. SEE SHEET G1-1 (INDEX AND GENERAL INFORMATION) FOR SQUARE FOOTAGE AND PLUMBING CALCULATIONS.
  - GC IS TO PROVIDE ADA SIGNAGE FOR EACH ROOM AS REQUIRED - SEE SPECIFICATIONS AND SHEET G1-3 (PROJECT STANDARDS).
  - NO FLOOR TRANSITIONS SHALL BE GREATER THEN 1/2" MAX PER ADA.
  - PROVIDE ALL APPROPRIATE FIRE STOP SYSTEMS FOR PENETRATIONS THROUGH FIRE RATE CONSTRUCTION AS REQUIRED.
  - ALL SQUARE FOOTAGES INDICATED ARE "CLEAR SPACE" UNLESS NOTED OTHERWISE.
  - THE EXISTING GYM PROVIDES EGRESS EXITS DOORS WITH ADEQUATE EGRESS WIDTH FOR ADDITIONAL OCCUPANT PASSAGE.
  - NEW TWO STORAGE ROOMS (004 & 005) WILL DISCHARGE WITH THE EXISTING GYM EGRESS EXITS OF WHICH THE TWO ROOMS SERVE.
  - THE NEW DESIGN SHOULD ONLY DIRECT 1 OCCUPANT THROUGH THE EXISTING EXIT EGRESS DOORS AND PATHWAY. OCCUPANT LOAD COMBINED BETWEEN THE STORAGE AND MECHANICAL EQUIPMENT PLATFORM = 4 OCC. USE OF THESE TWO SPACES WILL BE OF LOW HAZARD STORAGE WITHIN THE ALLOWABLE QUANTITIES.
  - THE STAIR IS DESIGNED TO ATMOSPHERICALLY COMMUNICATE BETWEEN LEVEL 1 AND THE MECHANICAL EQUIPMENT PLATFORM ABOVE. THIS DESIGN MEETS SECTION 1019.3 EXCEPTION 1.
  - THE STORAGE AND MECHANICAL EQUIPMENT PLATFORM WILL ONLY BE USED BY THE FACILITY AND WILL NOT BE ACCESSIBLE TO THE PUBLIC.
  - THE NEW GYM WILL HAVE A MAXIMUM OCCUPANCY SIGN DISCLOSED AT THE ENTRY OF THE GYM.



ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM



CITY OF ORANGE BEACH;  
ORANGE BEACH, AL



OWNER  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

ASSOCIATE ARCHITECT  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #205  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

ARCHITECT  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

CIVIL ENGINEER  
SAWGRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-544-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

STRUCTURAL ENGINEER  
MBA ENGINEERS  
300 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
ATTN: KEITH OWENS / MARK BOGER

MECHANICAL / PLUMBING ENGINEER  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

FIRE PROTECTION ENGINEER  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: TOM WADE / BRIAN DOVE

ELECTRICAL ENGINEER  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

DATE	2-18-2019
PHASE	100% CONSTRUCTION DOCUMENTS
DRAWN FOR	
DATE BY	
DAVIS ARCHITECTS	PROJECT NO. 3891.01

SHEET TITLE  
LIFE SAFETY - FLOOR PLAN

DRAWING NO.

LS1.02



# RECREATION CENTER EXTENSION

## CITY OF ORANGE BEACH

### CIVIL CONSTRUCTION DRAWINGS

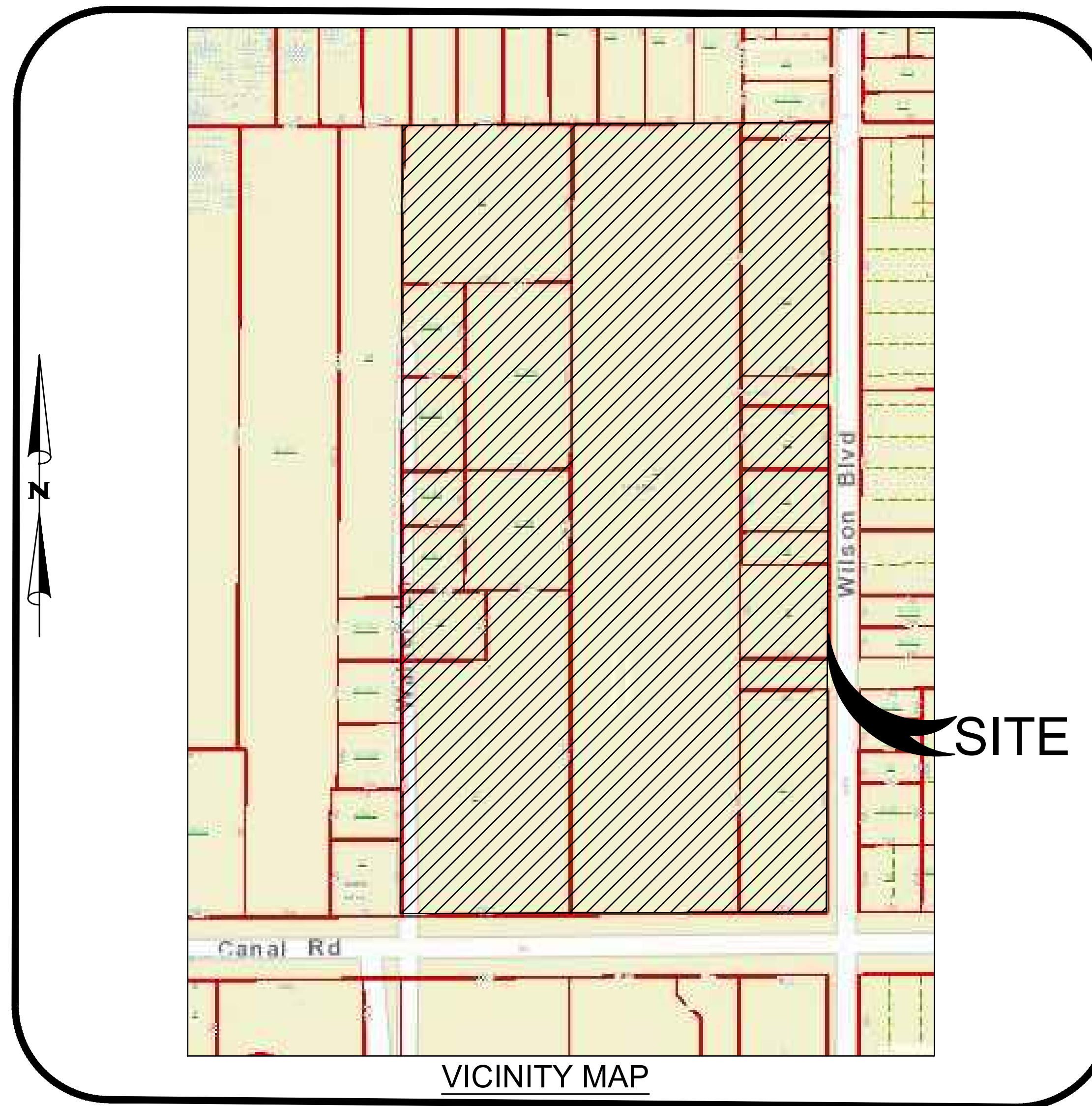
FEBRUARY 2019

#### INDEX OF SHEETS

- 1.0 TITLE SHEET
- 2.0 PROJECT NOTES
- 3.0 EXISTING CONDITIONS/DEMO PLAN
- 4.0 SITE/GRADING & DRAINAGE PLAN
- 5.0 EROSION CONTROL PLAN
- 6.0 DETAILS

#### UTILITY PROVIDERS

SANITARY SEWER: CITY OF ORANGE BEACH  
 WATER: ORANGE BEACH WATER AUTHORITY  
 POWER: BALDWIN EMC



VICINITY MAP

PREPARED BY:

ENGINEER

DATE

CITY OF ORANGE BEACH ENGINEER

NUMBER:	REVISION:	DATE:



11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900



**UTILITY PLAN NOTES**

1. THE CONTRACTOR SHALL NOTIFY SAWGRASS LLC., AND LOCAL JURISDICTIONAL INSPECTOR (IF IN RIGHT-OF-WAY) 48 HOURS BEFORE THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
3. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLAN.
4. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
5. THE CONTRACTOR IS REQUIRED TO USE ALABAMA ONE-CALL CENTER TELEPHONE NUMBER FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS, HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. CONTRACTOR TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE BY HIS EQUIPMENT TO EXISTING UTILITIES, CROSS-DRAIN PIPES AND HEADWALLS.
8. ALL WATER AND SANITARY SEWER CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTING SANITARY SEWER FACILITIES AND WATER FACILITIES, LATEST EDITION..
9. THE CONTRACTOR SHALL EXCAVATE FOR NEW SEWER TO ELEVATIONS SHOWN ON PLANS. THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION TO PROTECT EXISTING SEWER DURING CONSTRUCTION OPERATIONS. ALL EXCAVATION, SHORING AND BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. THE CONTRACTOR SHALL EXPLORE AHEAD 200 FEET SO ADJUSTMENTS CAN BE MADE IN THE ALIGNMENT OF THE PIPE IN CASE OF CONFLICTS WITH EXISTING STRUCTURES, UTILITIES AND PIPING.
11. ALL EXCESS MATERIAL FROM EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF
12. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND INVERT OF SANITARY SEWER FOR CONNECTION TO EXISTING OR PROPOSED SEWER SYSTEM.
13. THE WATER SYSTEM IN THE PUBLIC RIGHT-OF-WAY WILL BECOME THE PROPERTY OF THE LOCAL UTILITIES BOARD UPON COMPLETION.
14. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK-TRENCHED AND WET AREAS. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK.
15. THE FOLLOWING PERSONNEL WITH BALDWIN EMC SHALL BE CONTACTED PRIOR TO ANY WORK FOR RELATED SERVICES:  
ELECTRICAL: JOHNNY BRINKMAN – 251.989.0154 – BALDWIN EMC

**GENERAL NOTES:**

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL STATE AND LOCAL PERMITS AND EXPENSE THEREOF.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF PROJECT AND ALL COST ASSOCIATED THEREWITH BASED UPON CONTROL POINTS PROVIDED BY THE ENGINEER AS SHOWN ON THE DRAWINGS.
3. THE CONTRACTOR SHALL PROVIDE THE OWNER / ENGINEER WITH A LIST OF THREE NAMES AND TELEPHONE NUMBERS TO BE UTILIZED DURING EMERGENCIES OR DURING DAYS WHEN THE CONTRACTOR IS NOT WORKING ON SITE. NAMES AND TELEPHONE NUMBERS SHALL BE LISTED IN THE ORDER OF PREFERENCE THAT THE CONTRACTOR WOULD PREFER TO BE CONTACTED.
4. ALL WORK SHALL BE ACCOMPLISHED UNDER THE DIRECT SUPERVISION OF A CONTRACTOR PROPERLY LICENSED IN THE STATE OF ALABAMA.
5. THE CONTRACTOR SHALL OBTAIN PERMISSION AND APPROVAL FOR ALL PROPOSED SUBCONTRACTORS AND SHALL BE RESPONSIBLE FOR ALL PHASES OF THE PROJECT INCLUDING THE SUBCONTRACTOR'S WORK.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND TESTING LAB A MINIMUM OF 48 HOURS IN ADVANCE OF BEGINNING ANY MAJOR PHASE OF THE PROJECT.
7. THE OWNER / ENGINEER RESERVES THE RIGHT TO ALTER AND MODIFY PORTIONS OF THE PROJECT AS DEEMED NECESSARY DURING CONSTRUCTION TO ENHANCE OR IMPROVE THE OVERALL PROJECT AND MEET BUDGET CONSTRAINTS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LINE LOCATION OF ALL EXISTING UTILITIES. DAMAGED UTILITIES SHALL BE REPAIRED AND/OR REPLACED AT THE EXPENSE OF THE CONTRACTOR OR UTILITY COMPANY AND SHALL NOT BE THE RESPONSIBILITY OF THE OWNER.
9. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER.
10. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION
11. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY AND LAND DISTURBANCE PERMIT FROM THE CITY OF ORANGE BEACH PUBLIC WORKS DEPARTMENT.
12. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY ENGINEER IF ANY WORK IS REQUIRED TO OBSTRUCT OR DEVIATE NORMAL TRAFFIC OPERATIONS ON CITY PUBLIC STREETS. THE TRAFFIC CONTROL PLAN SHALL BE IN ACCORDANCE WITH THE LATEST M.U.T.C.D.

**CONCRETE NOTES:**

1. CONCRETE SHALL BE A MIX DESIGNED BY A RECOGNIZED TESTING LAB TO ACHIEVE A STRENGTH OF 4,000 PSI IN 28 DAYS WITH A PLASTIC AND WORKABLE MIX. ALL CONCRETE USED TO FILL MASONRY UNITS SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 3/8" UNLESS OTHERWISE NOTED.
2. REINFORCING STEEL SHALL BE NEW BILLET STEEL MEETING A.S.T.M. A-615 GRADE 60 LATEST AND DEFORMED IN ACCORDANCE WITH A.S.T.M. A-305 LATEST. STEEL SHALL BE CLEANED, FREE FROM OIL, SCALE AND RUST. STEEL SHALL BE BENT, LAPPED, PLACED IN ACCORDANCE WITH A.C.I. STANDARDS AND SPECIFICATIONS.
3. ANCHOR BOLTS AND REINFORCING DOWELS SHALL BE SET IN FORMS AND HELD SECURELY IN PLACE BY TEMPLATES PRIOR TO THE PLACING OF THE CONCRETE. ANCHOR BOLTS SHALL BE AS SCHEDULED. REINFORCING DOWELS SHALL BE SAME SIZE AND SPACING AS VERTICAL REINFORCING.
4. ALL EXTERIOR WALKS SHALL BE 4" CONCRETE SLABS WITH 6X6-10/10 MESH ON COMPACTED FILL. SEE CIVIL PLANS FOR EXTERIOR WALK LIMITS AND LOCATIONS.
5. METAL BUILDING MANUFACTURER SHALL SUBMIT DESIGN CALCULATIONS APPROPRIATE SHOP DRAWINGS AND DETAILS PERTAINING TO THIS BUILDING, STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF ALABAMA.
6. ALL CONCRETE SLABS, APRONS, AND RIGID PAVEMENT SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE – ACI 318-08 FOR REINFORCED CONCRETE CONSTRUCTION.

**GRADING AND DRAINAGE NOTES**

1. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
2. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ATM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL FILL MATERIAL TO BE UTILIZED ON THE PROJECT SHALL BE FREE OF ORGANIC OR OTHERWISE DELETERIOUS MATERIALS AND COMPACTED TO MINIMUM DRY DENSITIES CORRESPONDING TO 95% OF MAXIMUM DRY DENSITY AS OBTAINED BY STANDARD PROCTOR, ASTM D698 AND AT LEAST 98% OF STANDARD PROCTOR WITHIN 1 FOOT BELOW PAVEMENT SUBGRADE. FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES IN COMPACTED FILL THICKNESS. SEE THE GEOTECHNICAL REPORT FOR FILL REQUIREMENTS BELOW THE NEW BUILDING FOUNDATION.
4. MAXIMUM SLOPE OF EMBANKMENT SHALL BE 3.0 FEET HORIZONTAL TO 1.0 FOOT VERTICAL.
5. PROPOSED CONTOUR INTERVALS ARE AS LABELED. ALL PROPOSED CONTOURS ARE FINISHED GRADES.
6. THE CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR RE-GRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
7. EXCESS EARTH CUT OR UNSUITABLE MATERIALS, IF ANY, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED TO BE PLACED ON SITE BY THE OWNER.
8. ALL STORM DRAINAGE PIPE SHALL BE LAID ON SMOOTH CONTINUOUS GRADES WITH NO VISIBLE BENDS AT JOINTS.
9. ALL STORM DRAINAGE INLET STRUCTURES SHALL HAVE METAL FRAME AND COVER FOR ACCESS. THE CONTRACTOR SHALL CONTACT PUBLIC WORKS OR THE ENGINEER'S OFFICE IF COVER REQUIRES A CITY STAMP.
10. THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. AT LEAST A 48 HOUR NOTIFICATION IS REQUIRED.
11. SOILS TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.

**SOIL EROSION & SEDIMENT CONTROL NOTES:**

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT FOR CONSTRUCTION SITES AND URBAN AREAS, VOLUME 1 AND 2, LATEST EDITION.
2. THE MEASURES SET FORTH IN THE EROSION CONTROL PLAN ARE INTENDED AS THE MINIMUM STANDARDS, ANY EROSION CONTROL MEASURE BEYOND THAT SPECIFIED IN THE PLAN, THAT IS REQUIRED TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAW, SHALL BE IMPLEMENTED.
3. IN THE EVENT THAT EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THE EROSION CONTROL PLAN PROVE NOT TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ALL ALTERNATE EROSION PREVENTION AND CONTROL DEVICES MUST BE REVIEWED AND APPROVED BY LOCAL AND STATE COMPLIANCE PERSONNEL PRIOR TO PLACEMENT.
4. THE CONTRACTOR SHALL INSPECT INSTALLED BMPS AT LEAST ONCE EVERY SEVEN (7) DAYS AND REPAIR OR REPLACE MY DAMAGED OR INEFFECTIVE DEVICES.
5. THE CONTRACTOR SHALL INSPECT INSTALLED BMPS WITHIN 24 HOURS AFTER PRECIPITATION EVENTS OF 0.50 INCHES OR GREATER AND REPAIR OR REPLACE ANY DAMAGED OR INEFFECTIVE DEVICES.
6. DISTURBED AREAS SHALL BE GRADED, SODDED, OR VEGETATED (SEEDED AND MULCHED) WITHIN 10 DAYS OF ANY CONSTRUCTION ACTIVITY FOR AN EFFECTIVE BMP AS PER CITY OF FAIRHOPE EROSION & SEDIMENT CONTROL ORDINANCE.
7. ALL AREAS IDENTIFIED TO HAVE SOLID SODDING, SHALL BE VEGETATED WITH PERMANENT SEEDING (SEASONAL MIX) IN ACCORDANCE WITH SECTION 860, TABLE FOR ZONE 3 IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS HIGHWAY CONSTRUCTION (CURRENT EDITION).
8. EROSION CONTROL DEVICES; SILT FENCES, HAY BAYLES, WATTLES, RECP'S OR PINNED SAID SOD SHALL BE NECESSARY TO REESTABLISH VEGETATION WHERE DITCHES AND SLOPES ARE SUBJECT TO DRAINAGE VELOCITIES.

9. SILT FENCE MUST MEET THE REQUIREMENTS OF LOCAL JURISDICTIONAL AGENCY, SAID REQUIREMENTS AS SHOWN BY THESE PLANS.

10. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:
  - A. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
  - B. THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.

11. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO LAND DISTURBING ACTIVITY AND SHALL BE MAINTAINED IN PROPER WORKING ORDER UNTIL ALL DISTURBED AREAS ARE STABILIZED. CONSTRUCTION ENTRANCE PADS SHALL BE INSTALLED BY THE CONTRACTOR AT CONSTRUCTION ACCESS POINTS PRIOR TO LAND DISTURBANCE AND MAINTAINED FOR THE DURATION OF THE PROJECT.

12. A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.

13. EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

14. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR LOCAL JURISDICTIONAL INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

15. ALL EASEMENTS DISTURBED MUST BE GRADED AND GRASSED TO CONTROL EROSION IN ACCORDANCE WITH EASEMENT PLATS PRIOR ACCEPTANCE.

16. TREE PROTECTION AND EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

17. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.

18. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.

19. ALL SLOPES SHALL BE STABILIZED AND VEGETATED AS SOON AS POSSIBLE. USE EROSION CONTROL BLANKET (ECB) WHERE GRASSING SLOPES ARE INTERMITTENT.

20. GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH GRASS IN KIND. IN AREAS OF INDECIPHERABLE GRASSES-USE CENTIPEDE.

21. LENGTH OF RIP RAP AREA SHALL BE 6(SIX) TIMES THE DIAMETER OF THE STORM DRAIN PIPE. WIDTH OF RIP RAP AREA SHALL BE THREE(3) TIMES THE DIAMETER AT THE MOUTH OF THE PIPE AND TWO(2) TIMES THE DIAMETER AT THE DOWNSTREAM END.

22. THE CONTRACTOR SHALL REMOVE ALL SEDIMENT FROM THE DETENTION POND AND ANY OTHER ACCUMULATED COLLECTION AREAS UPON PROJECT COMPLETION.

23. ALL CONSTRUCTION WASTE AND DEBRIS, SILT FENCES, HAY BALES, AND INLET PROTECTION AND OTHER TEMPORARY BMP'S SHALL BE REMOVED FROM THE SITE UPON CONSTRUCTION COMPLETION.

NUMBER:	REVISION:	DATE:



**Sawgrass**  
CONSULTING, LLC  
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT





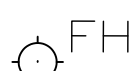

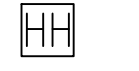

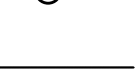






11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900  
818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900

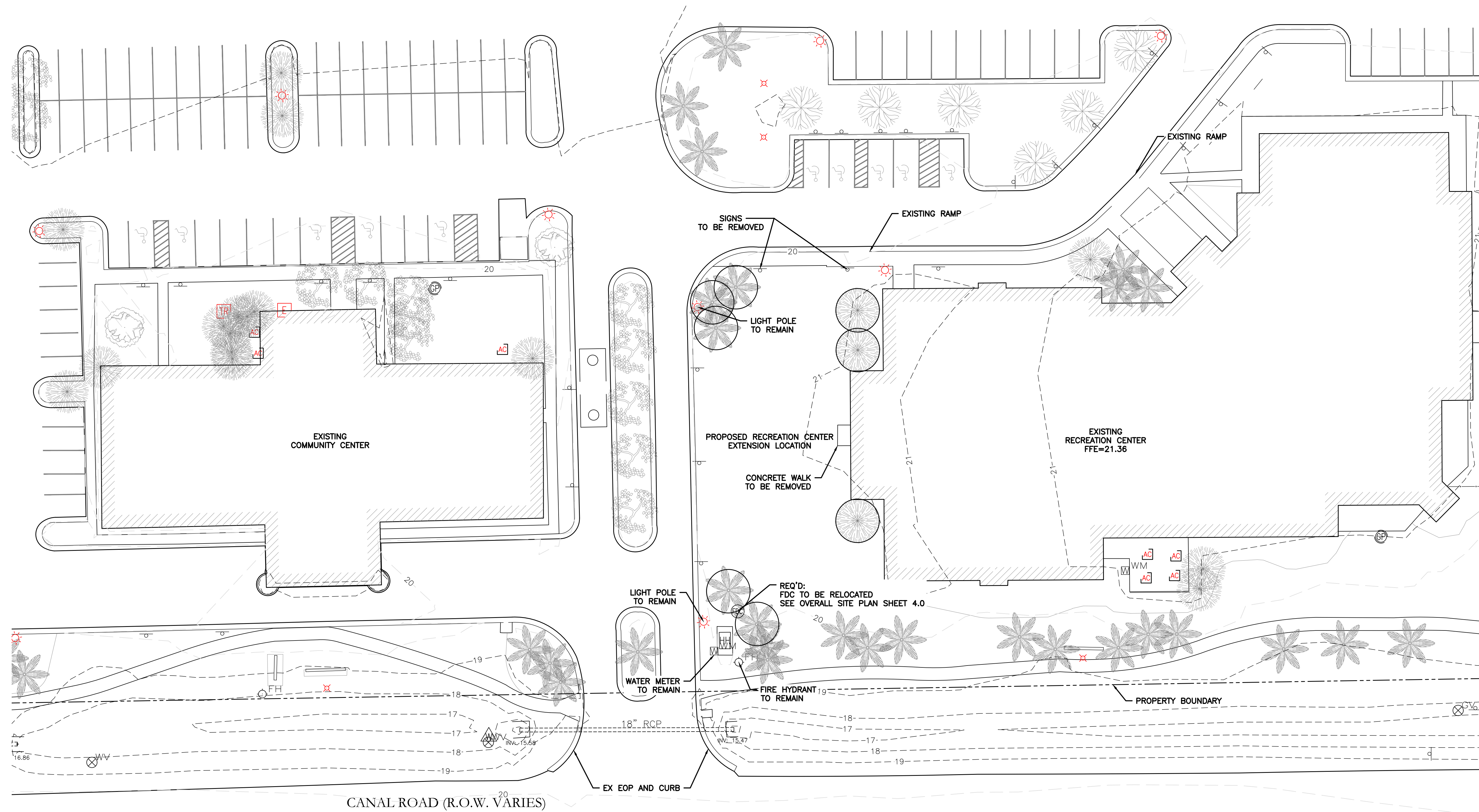
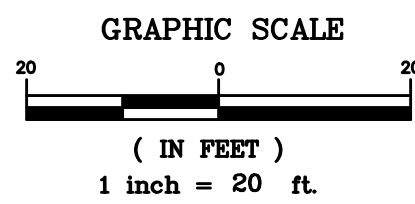
PROJECT NOTES
RECREATION CENTER EXTENSION
CITY OF ORANGE BEACH

SCALE:	NA
DATE:	FEBRUARY 2019
DRAWN BY:	MK
CHECKED BY:	DC
SHEET:	2.0



**SITE PLAN LEGEND**

-  PROPERTY LINE
-  WATER VALVE
-  LIGHT POLE
-  AIR CONDITIONER
-  FIRE HYDRANT ASSEMBLY
-  WATER METER
-  HAND HOLE
-  GRINDER PUMP
-  GAS VALVE
-  SIGN
-  EXISTING DRAINAGE PIPE
-  TRANSFORMER
-  ELECTRIC BOX
-  POWER POLE
-  EXISTING TREE TO BE REMOVED



NUMBER:	REVISION:	DATE:

  
**Sawgrass**  
 CONSULTING, LLC  
 ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT  
11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900  
 818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900

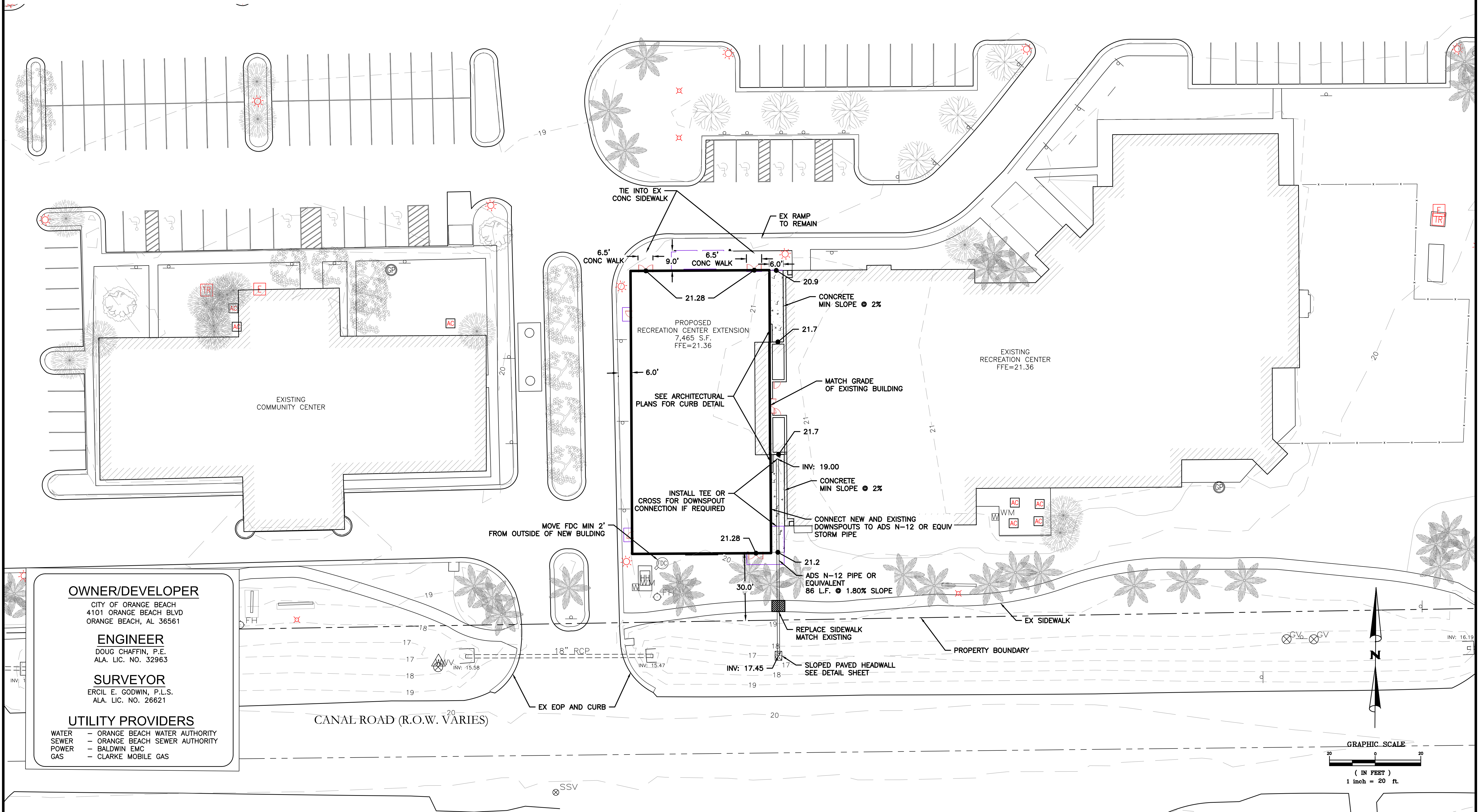
EXISTING CONDITIONS/DEMO PLAN
RECREATION CENTER EXTENSION
CITY OF ORANGE BEACH

SCALE:	1"=20'
DATE:	FEBRUARY 2019
DRAWN BY:	MK
CHECKED BY:	DC
SHEET:	3.0



**NOTES:**

MECHANICAL EQUIPMENT AND EXTERIOR UTILITY SERVICE AREAS SHALL BE HARMONIOUS WITH THE BUILDING AND BE LOCATED OR SCREENED FROM PUBLIC VIEW.  
 ALL EXTERIOR UTILITY SERVICE AREAS WILL BE PROPERLY SCREENED FROM PUBLIC VIEW.



**OWNER/DEVELOPER**

CITY OF ORANGE BEACH  
 4101 ORANGE BEACH BLVD  
 ORANGE BEACH, AL 36561

**ENGINEER**

DOUG CHAFFIN, P.E.  
 ALA. LIC. NO. 32963

**SURVEYOR**

ERCIL E. GODWIN, P.L.S.  
 ALA. LIC. NO. 26621

**UTILITY PROVIDERS**

- WATER - ORANGE BEACH WATER AUTHORITY
- SEWER - ORANGE BEACH SEWER AUTHORITY
- POWER - BALDWIN EMC
- GAS - CLARKE MOBILE GAS

NUMBER:	REVISION:	DATE:



11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900  
 818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900

SITE/GRADING & DRAINAGE PLAN

RECREATION CENTER EXTENSION

CITY OF ORANGE BEACH

SCALE:	1"=20'
DATE:	FEBRUARY 2019
DRAWN BY:	MK
CHECKED BY:	DC
SHEET:	4.0

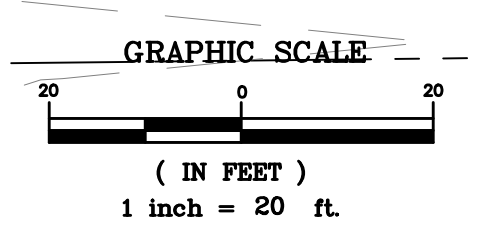
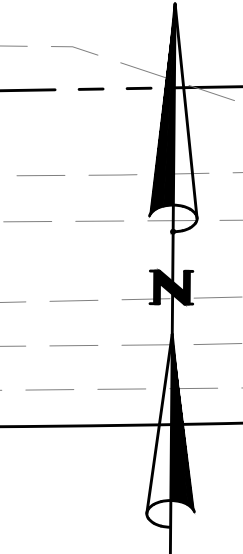
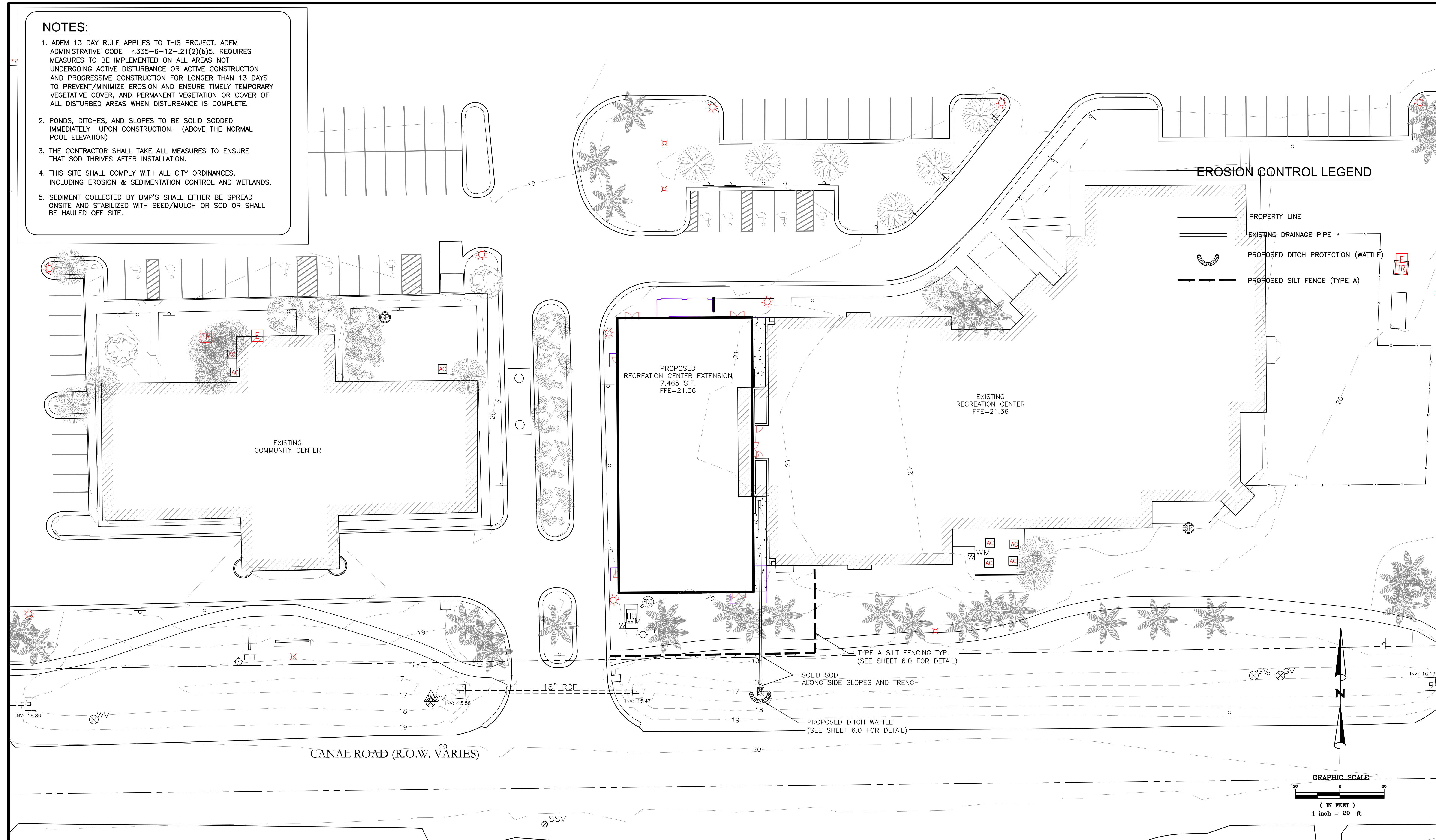


**NOTES:**

1. ADEM 13 DAY RULE APPLIES TO THIS PROJECT. ADEM ADMINISTRATIVE CODE r.335-6-12-21(2)(b)5. REQUIRES MEASURES TO BE IMPLEMENTED ON ALL AREAS NOT UNDERGOING ACTIVE DISTURBANCE OR ACTIVE CONSTRUCTION AND PROGRESSIVE CONSTRUCTION FOR LONGER THAN 13 DAYS TO PREVENT/MINIMIZE EROSION AND ENSURE TIMELY TEMPORARY VEGETATIVE COVER, AND PERMANENT VEGETATION OR COVER OF ALL DISTURBED AREAS WHEN DISTURBANCE IS COMPLETE.
2. PONDS, DITCHES, AND SLOPES TO BE SOLID SODDED IMMEDIATELY UPON CONSTRUCTION. (ABOVE THE NORMAL POOL ELEVATION)
3. THE CONTRACTOR SHALL TAKE ALL MEASURES TO ENSURE THAT SOD THRIVES AFTER INSTALLATION.
4. THIS SITE SHALL COMPLY WITH ALL CITY ORDINANCES, INCLUDING EROSION & SEDIMENTATION CONTROL AND WETLANDS.
5. SEDIMENT COLLECTED BY BMP'S SHALL EITHER BE SPREAD ONSITE AND STABILIZED WITH SEED/MULCH OR SOD OR SHALL BE HAULED OFF SITE.

**EROSION CONTROL LEGEND**

- PROPERTY LINE
- EXISTING DRAINAGE PIPE
- PROPOSED DITCH PROTECTION (WATTLE)
- PROPOSED SILT FENCE (TYPE A)



NUMBER:	REVISION:	DATE:



**Sawgrass**  
CONSULTING, LLC

ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT

11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900  
 818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900

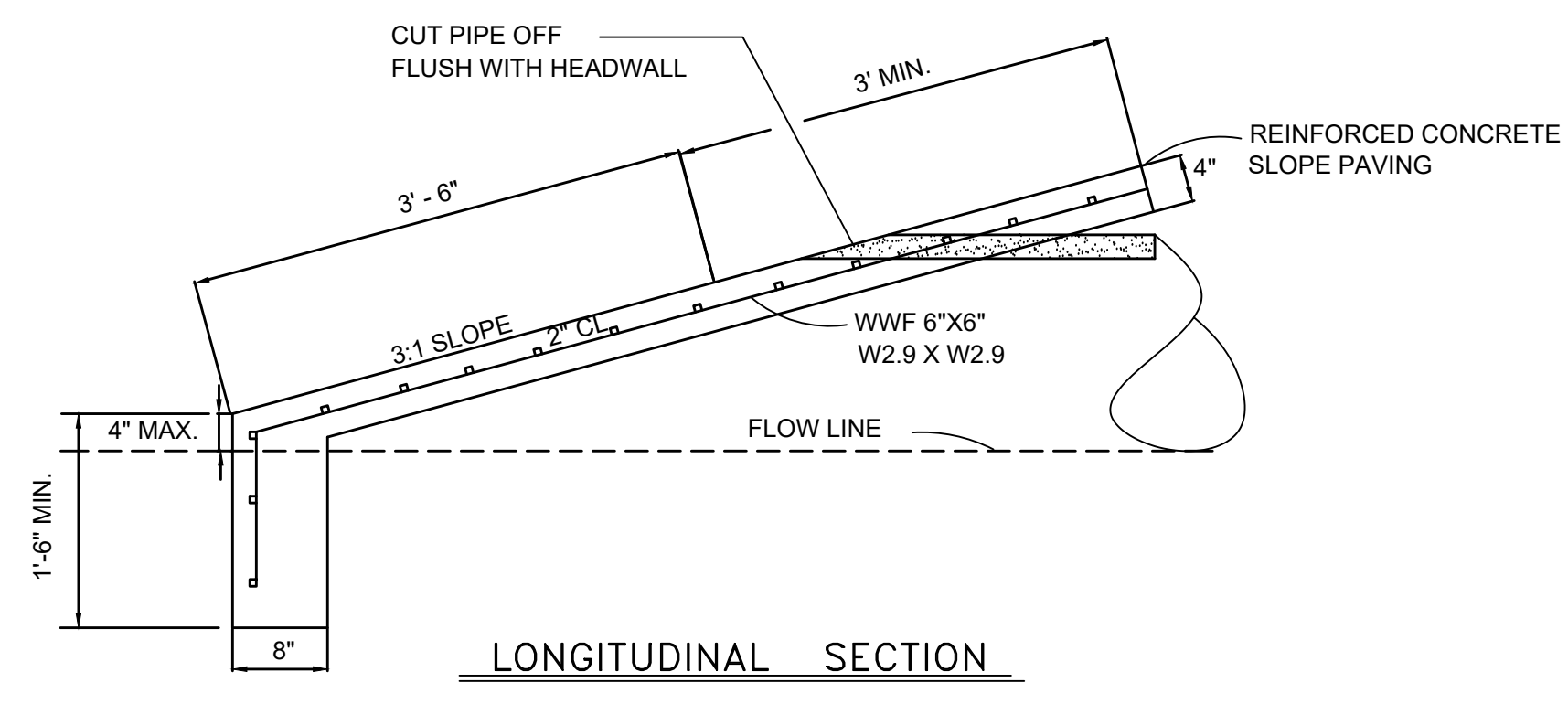
**EROSION CONTROL PLAN**

**RECREATION CENTER EXTENSION**

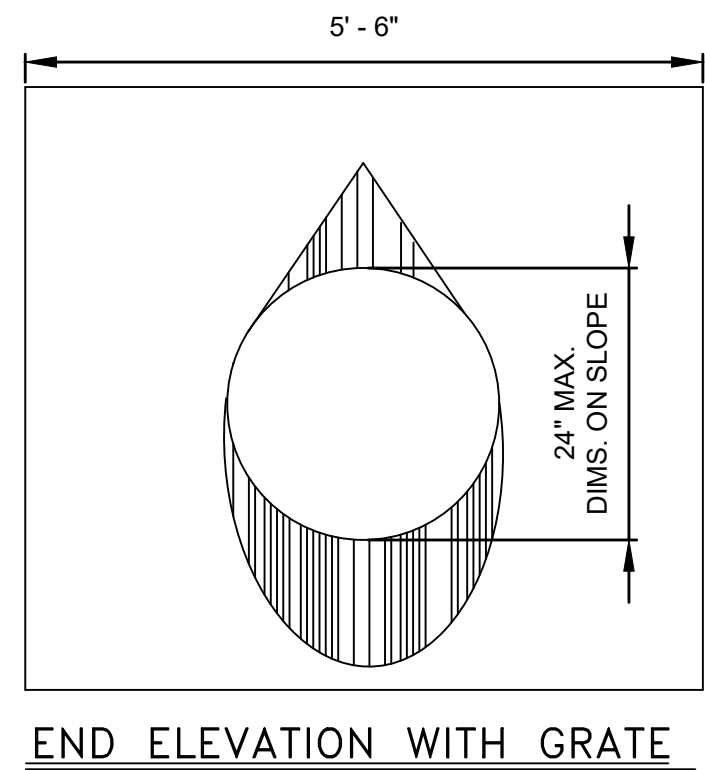
**CITY OF ORANGE BEACH**

SCALE:	1"=20'
DATE:	FEBRUARY 2019
DRAWN BY:	MK
CHECKED BY:	DC
SHEET:	5.0

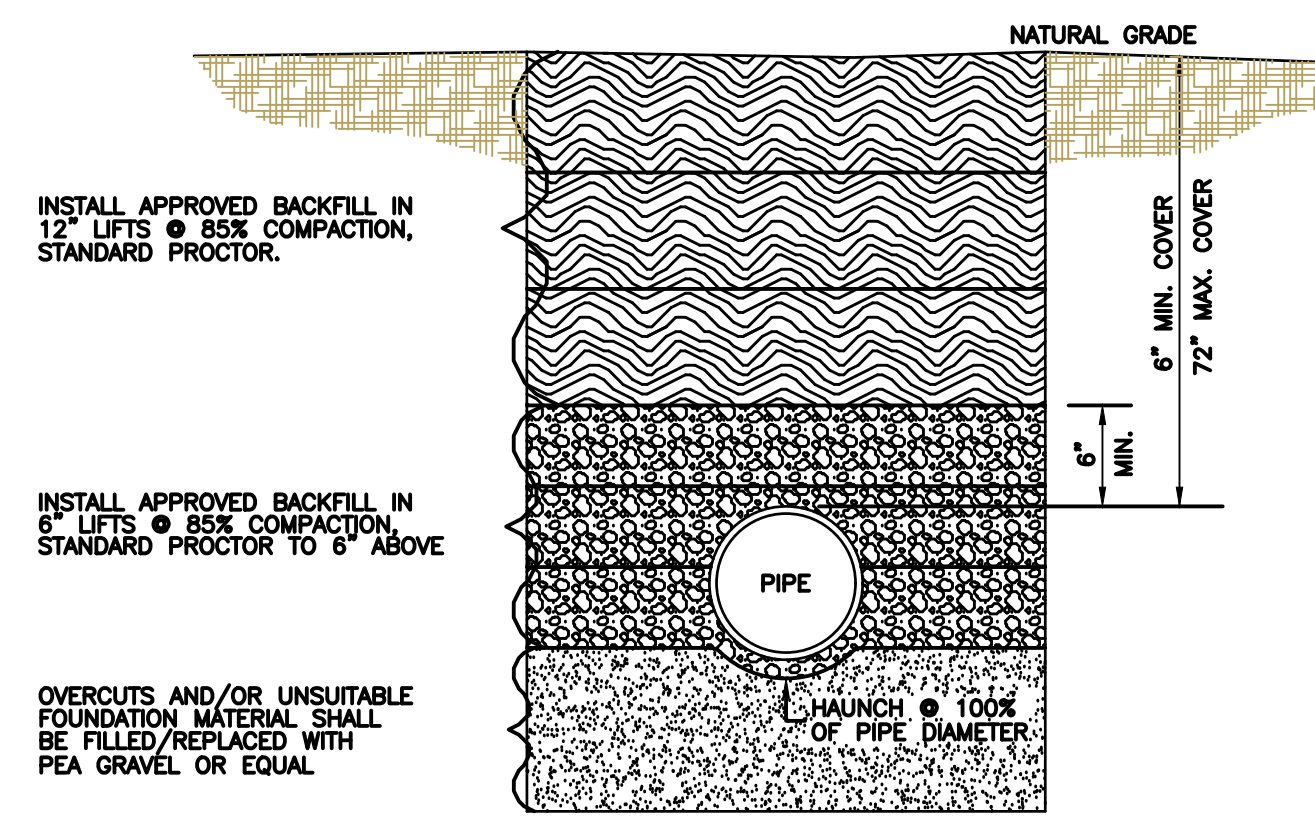




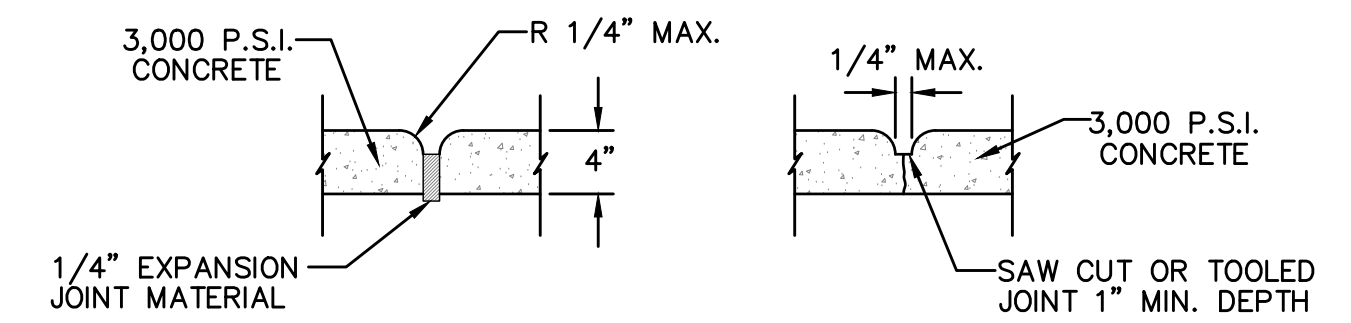
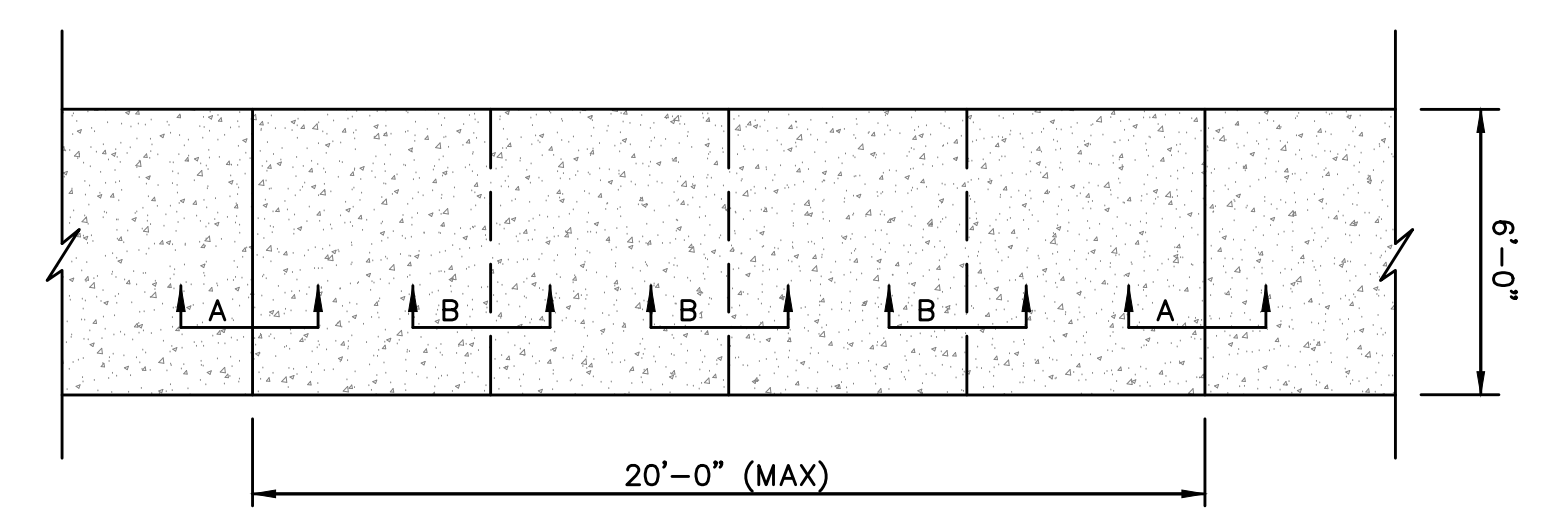
**SLOPE PAVED HEADWALL**  
N.T.S.



**END ELEVATION WITH GRATE**

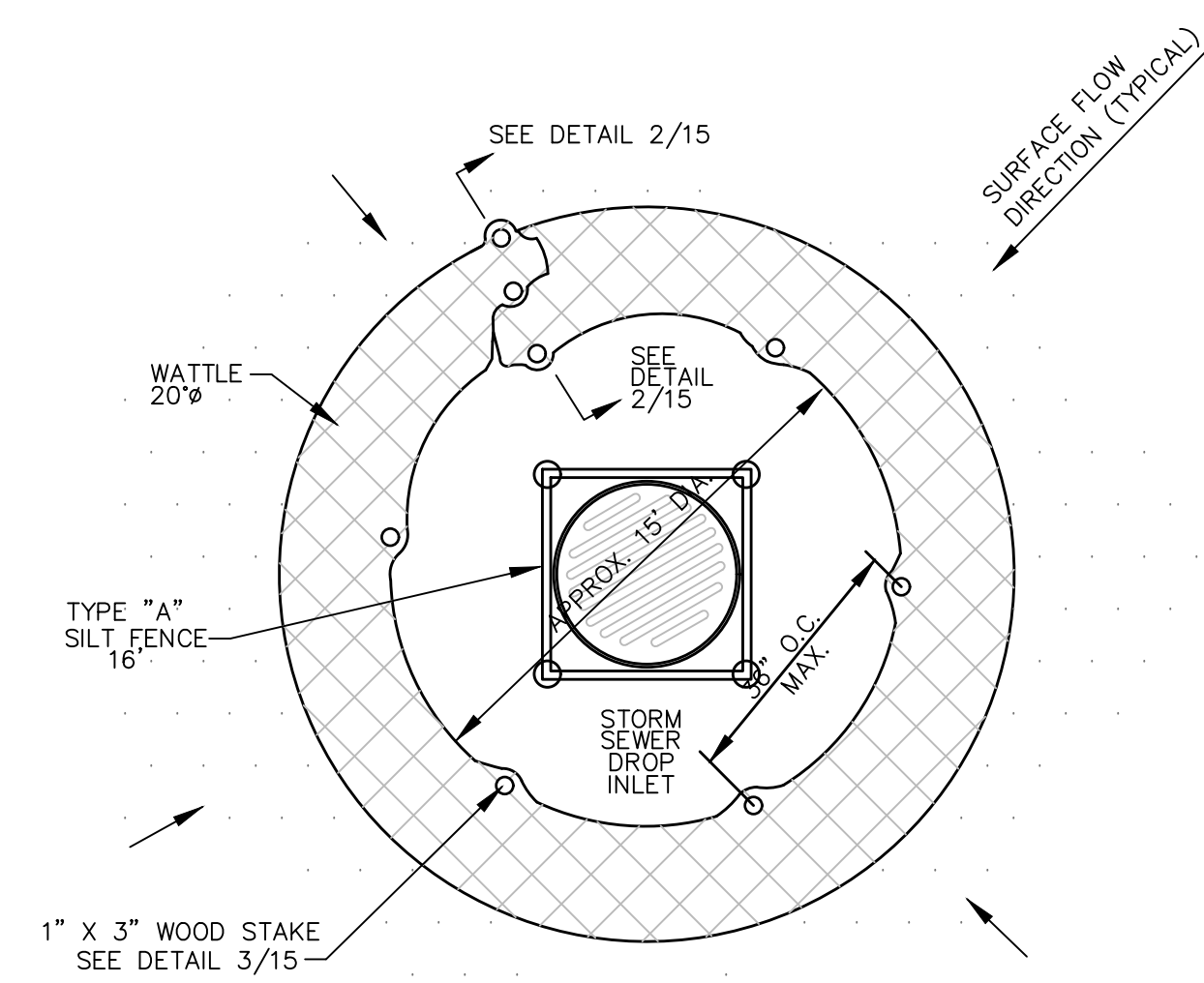


**TYPICAL TRENCH DETAIL**  
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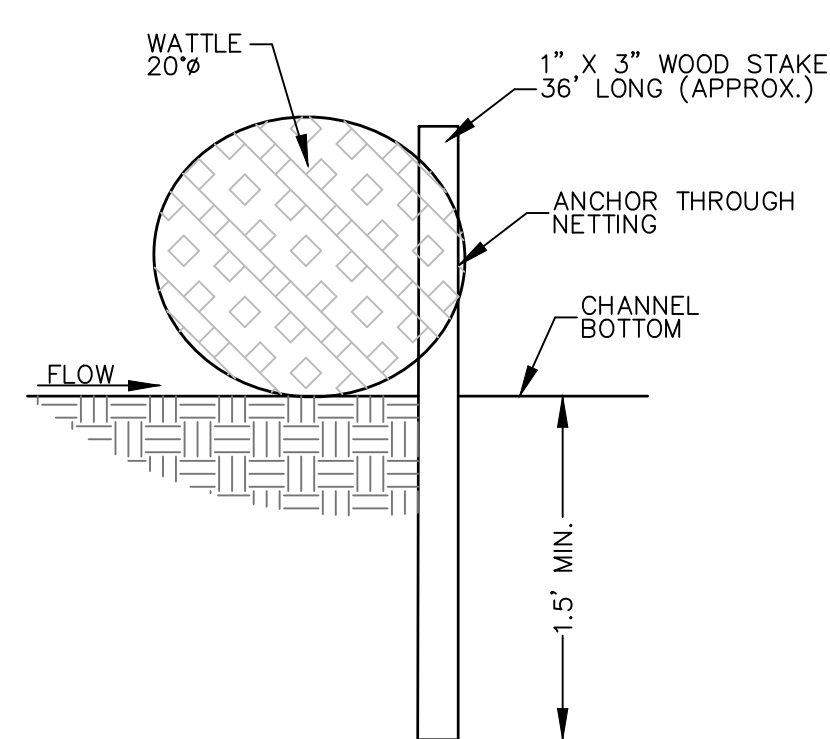


**SECTION A**  
EXPANSION JOINT  
**SECTION B**  
CONSTRUCTION CONTROL JOINT

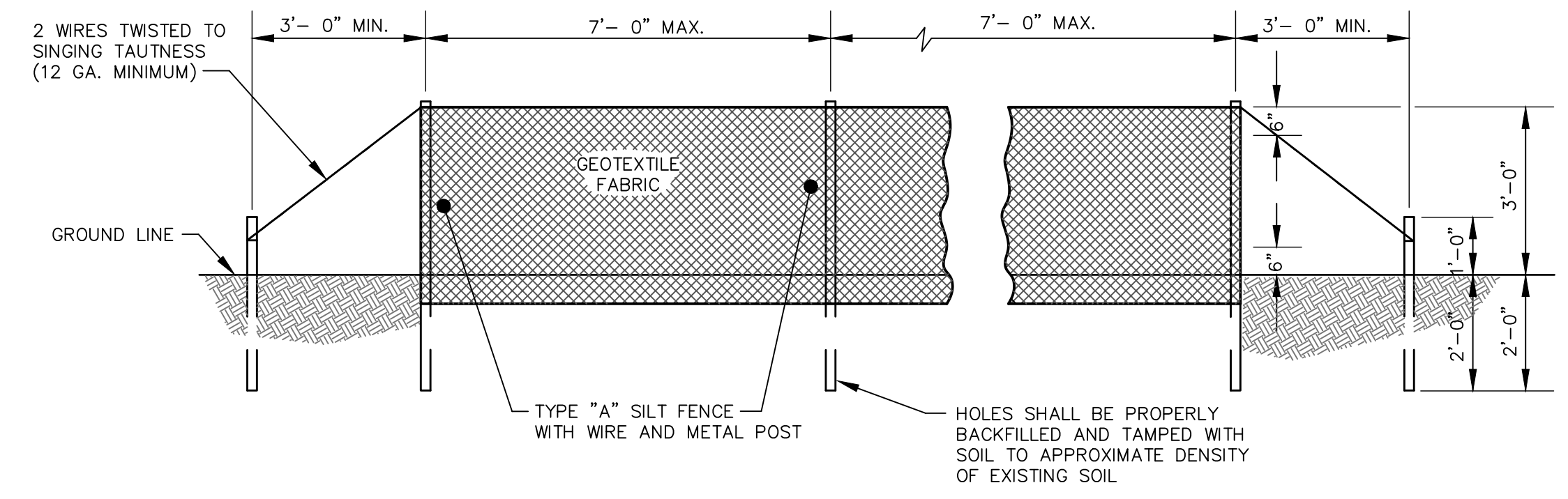
**CONCRETE WALK DETAIL**  
N.T.S.



**PLAN VIEW**



**STAKE DETAILS**  
N.T.S.



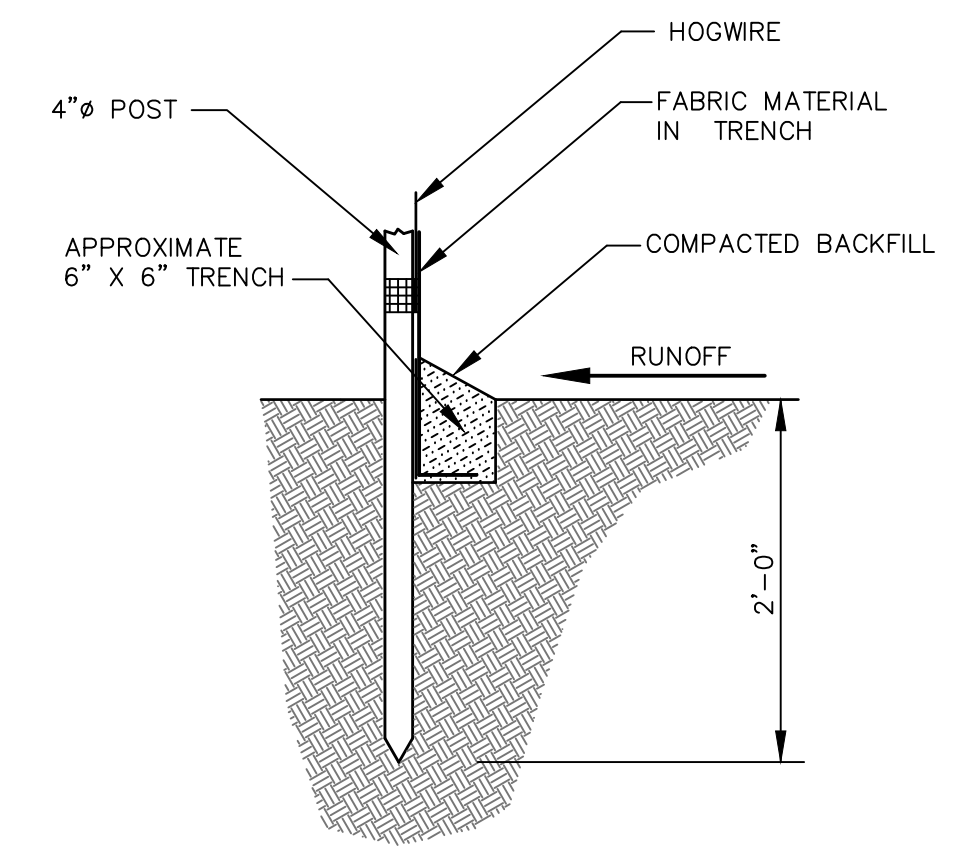
**TYPICAL TYPE \"A\" SILT FENCE INSTALLATION**  
N.T.S.

**GENERAL NOTES**

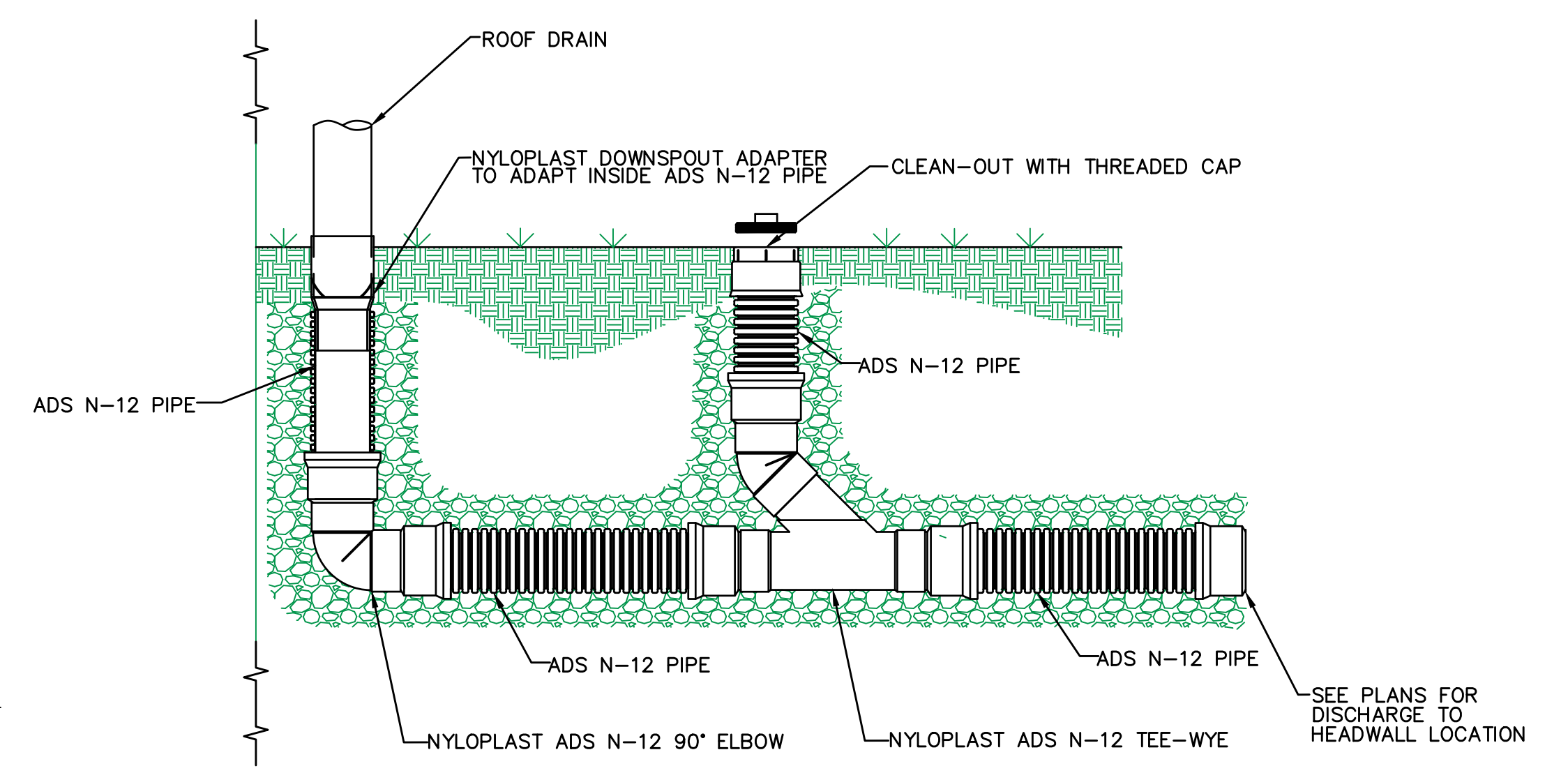
1. SILT FENCE SHALL BE TYPE \"A\" ONLY.
2. SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
3. SILT FENCE SHOULD BE PLACED WELL INSIDE PROPERTY BOUNDARY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
4. WHEREVER POSSIBLE, SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
5. AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
6. RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
7. IF WOOD POSTS ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE NINE (9) GAUGE, GALVANIZED, 1 1/2\"/>
- 8. WOVEN WIRE TO BE 12 1/2 GAUGE (MINIMUM).

**SPECIFICATIONS**

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION



**SECTION**



**NYLOPLAST DOWNSPOUT ADAPTER WITH CLEANOUT AND INSERTA-TEE**  
N.T.S.

NUMBER:	REVISION:	DATE:



11143 Old Highway 31 Spanish Fort, AL 36527 Phone: (251) 544-7900  
818 N. McKenzie Street Foley, AL 36535 Phone: (251) 970-7900

<b>DETAILS</b>	
RECREATION CENTER EXTENSION	
CITY OF ORANGE BEACH	

SCALE:	NA
DATE:	FEBRUARY 2019
DRAWN BY:	MK
CHECKED BY:	DC
SHEET:	6.0



**GENERAL CONTRACTOR NOTES**

**CONSTRUCTION FENCING:**

1. TEMPORARY SCREENED CONSTRUCTION CHAIN LINK FENCE TO BE INSTALLED WITH 12" - 0" VEHICULAR GATE ACCESS ALONG THE LIMITS OF CONSTRUCTION UNTIL COMPLETION OF CONSTRUCTION (ROUGHLY 500 LINEAR FEET).
2. TEMPORARY SCREENED CONSTRUCTION CHAIN LINK FENCE TO BE INSTALLED WITH 12" - 0" VEHICULAR GATE ACCESS ALONG THE LIMITS OF THE ALTERNATE STAGING AREA (ROUGHLY 375 LINEAR FEET).
3. LOCATION AND QUANTITY OF GATES ARE APPROXIMATE AND SHOULD BE ADJUSTED AS NECESSARY FOR OPERATION.
4. GATE LOCATION SHOULD BE COORDINATED WITH THE OWNER SO DELIVERIES OR OPERATIONS DO NOT BLOCK LOCAL AND FACILITY TRAFFIC.

**STAGING:**

1. THE GC IS ALLOWED TO USE THE HATCH PORTION OF THE EXISTING RECREATION CENTERS SITES SOUTH FRONTAGE AS A STAGING AREA FOR THE TERM OF CONSTRUCTION. GC WILL NEED TO HAVE THE OWNER VERIFY THE EXTENT OF THE STAGING ONCE CONSTRUCTION BEGINS.
2. THE GC IS ALLOWED TO UTILIZE THE HATCH AREA OF THE OLD FIRE DEPARTMENT LOT AS AN ALTERNATE STAGING AREA THAN THE CONSTRUCTION SITE.
3. GC SHOULD BE CAUTIOUS NOT TO DISTURB EXISTING ON-SITE UTILITIES AND SHOULD FIELD VERIFY EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO START OF WORK AS TO BETTER COORDINATE ON SITE STAGING AND SAFETY - GC WILL BE RESPONSIBLE FOR REPAIRING AND/OR REPLACING ANY DAMAGED THAT MAY OCCUR THROUGHOUT CONSTRUCTION AT NO EXPENSE TO THE OWNER OR ARCHITECT.
4. GC MUST KEEP ALL WORK EQUIPMENT AND PILES OF MATERIALS AWAY FROM THE TEMPORARY FENCE THAT SEPARATES PEDESTRIAN WALKING PATHS OR DRIVES.
5. GC IS RESPONSIBLE FOR ALL EROSION CONTROL AT BOTH THE STAGING LOCATIONS AND THE CONSTRUCTION SITE.

**FACILITY OPERATION:**

1. FACILITY OPERATIONS TAKE PLACE FROM 7AM - 6PM.
2. GC & WORKERS MUST SIGN-IN AS REQUIRED AT THE FRONT DESK OF THE EXISTING RECREATION CENTER PRIOR TO WALKING WITHIN THE EXISTING BUILDING.
3. GC MUST RECEIVE APPROVAL FROM THE OWNER PRIOR TO TURNING OFF ANY EXISTING UTILITIES. (GC TO CONTACT THE OWNER AT LEAST 48 HOURS PRIOR TO NEEDING UTILITY ACCESS).
4. GC MUST PROVIDE THE OWNER TWO WEEKS NOTICE PRIOR TO STARTING ANY DEMOLITION OF THE EXISTING BUILDING SO THE OWNER CAN REMOVE ALL INTERIOR POSSESSIONS AND EQUIPMENT.
5. ALL CONSTRUCTION DELIVERIES THAT TAKE PLACE DURING THE HOURS OF THE EXISTING FACILITIES THAT HAVE THE POTENTIAL FOR BLOCKING THE DRIVE ACCESS FROM CANAL STREET MUST BE COORDINATED WITH THE OWNER AT LEAST 48 HOURS IN ADVANCE OF DELIVERY. DELIVERIES SHOULD NOT BLOCK ACCESS OR HINDER THE EXISTING FACILITY OPERATION.
6. CONSTRUCTION WORKERS CANNOT PARK VEHICLES OR STAGE EQUIPMENT IN SURROUNDING PARKING AS INDICATED BY THIS NOTE IN THE PLAN BELOW, UNLESS GRANTED APPROVAL BY THE OWNER IN ADVANCE.

**GENERAL DEMOLITION NOTES:**

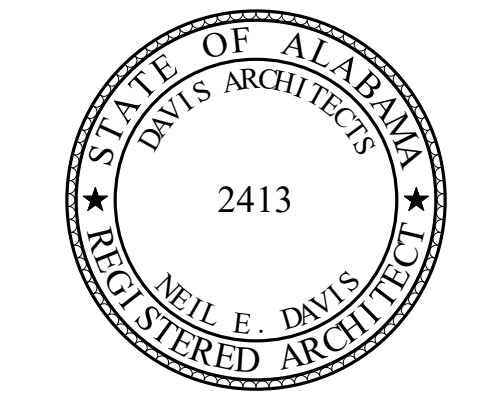
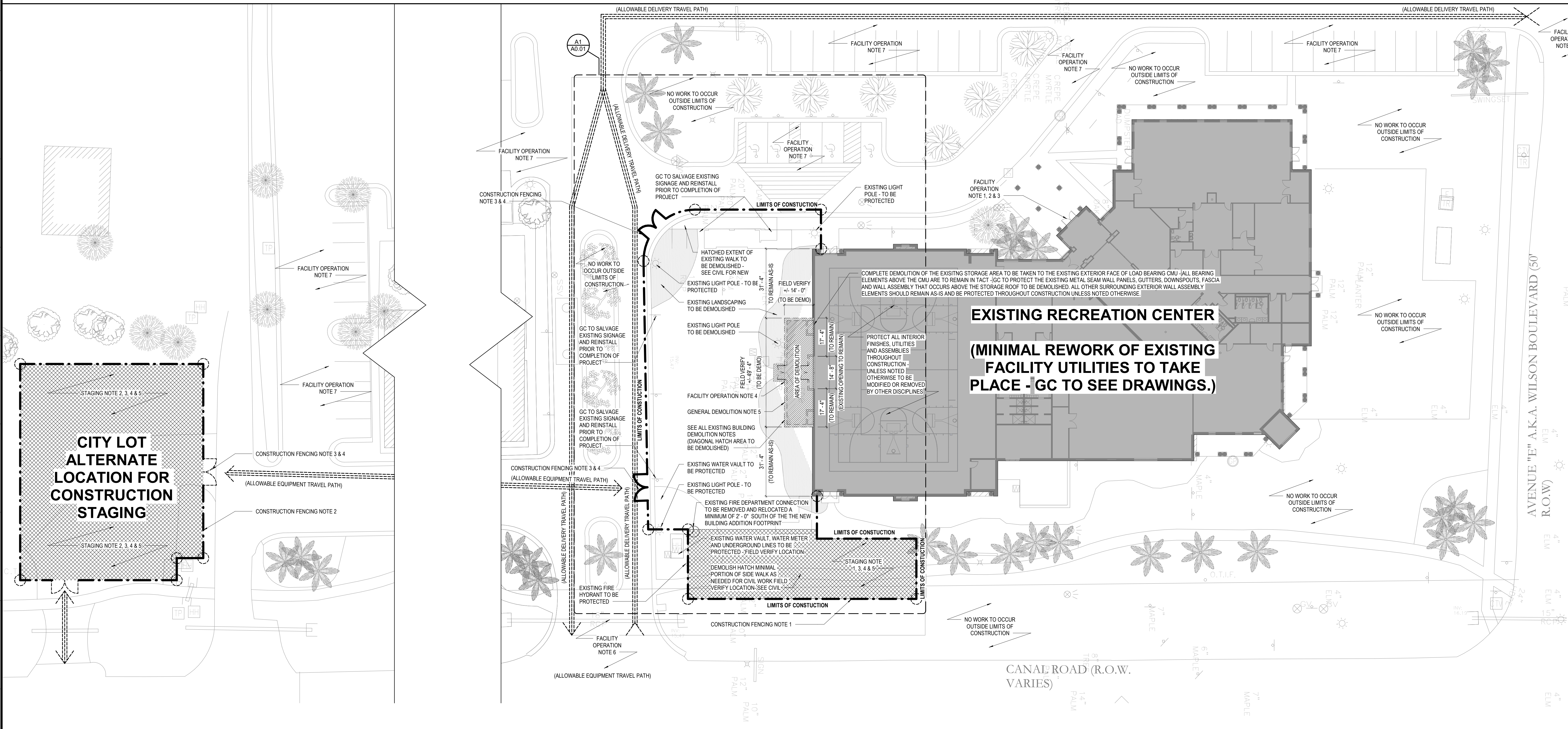
1. ALL EXISTING BUILDINGS, UTILITIES AND SITE ELEMENTS ARE APPROXIMATE AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES MAY EXIST - THE GC MUST HAVE ALL EXISTING CONDITIONS LOCATED BY FIELD VERIFY BY PERSONNEL AND UNDERGROUND LINE LOCATOR EQUIPMENT. PRIOR TO ORDERING MATERIALS, APPROVAL OF SUBMITTALS OR START OF CONSTRUCTION.
2. ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED, "PROTECT" OR "TO REMAIN".
3. GC SHOULD TAKE ALL NECESSARY MEASURES TO PROTECT ANY ADJACENT PROPERTIES AND ELEMENTS TO REMAIN. THE GC WILL BE RESPONSIBLE FOR ANY DAMAGE OF EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THE PROJECT. ANY DAMAGE WILL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE AND TO NO EXPENSE TO THE PROJECT, OWNER OR ARCHITECTS.
4. IT IS THE RESPONSIBILITY OF THE GC TO OBTAIN ANY NECESSARY PERMITS OR NOMENCLATURE FOR THE LOCAL AND STATE AUTHORITIES TO DEMOLISH OR CONSTRUCT THIS PROJECT. GC IS RESPONSIBLE FOR PAY ALL FEES AND PERMITS FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
5. GC TO COORDINATE WITH OWNER PRIOR TO ANY DEMOLITION REGARDING ITEMS TO BE SALVAGED, RECYCLED AND REUSED; GC SHALL REMOVE ITEMS TO BE SALVAGED WITH EXTREME CAUTION TO PREVENT DAMAGE. GC SHALL TURN ALL SALVAGED ITEMS OVER TO THE OWNER.
6. GC SHALL COORDINATE WITH OWNER AND THE UTILITY PROVIDERS PRIOR TO THE DISCONNECTION OR REMOVAL OF ANY UTILITY SERVICE TO THE EXISTING BUILDING OR SITE. ALL UTILITIES TO BE REMOVED ARE TO BE CAPPED OR PLUGGED OR TERMINATED ACCORDING TO THE UTILITY SERVICE PROVIDERS RECOMMENDATION.
7. ALL UTILITIES THAT NEED TO REMAIN IN OPERATION SHOULD BE COORDINATED WITH BOTH THE OWNER AND UTILITY COMPANY PRIOR TO ANY MODIFICATION TO EXISTING SYSTEMS.
8. GC SHALL COORDINATE WITH ARCHITECT, OWNER AND THE UTILITY PROVIDER PRIOR TO THE DISCONNECTING OF ANY UTILITY SERVICE TO THE EXISTING BUILDING.
9. REFER TO CIVIL FOR ADDITIONAL SITE AND UNDERGROUND UTILITY WORK TO TAKE PLACE.
10. GC WILL BE RESPONSIBLE FOR THE REMOVAL, RELOCATION OR PROTECTION OF ALL ABOVE AND BELOW GROUND EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS UNLESS NOTED.
11. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE TRANSPORTED AND DISPOSED OF AT LEAST WEEKLY IN A LEGAL AND APPROVED MANNER.
12. ALL EXISTING PAVING, CURBS, HARDSCAPE, ETC. SHALL BE SAW CUT AT THE LIMITS OF REMOVAL IN ORDER TO PROVIDE A CLEAN EDGE. EXISTING PAVING AT EDGE SHALL BE MILLED BACK A MINIMUM OF 2" TO ENSURE SMOOTH TRANSITION.
13. GC WILL BE RESPONSIBLE FOR SITE AND STAGING AREA SAFETY AND SECURITY.
14. ALL OTHER AREAS OF PARKING OR DRIVES NOT IDENTIFIED ON THIS PLAN ARE OFF LIMITS FROM ACCESS BY THE GC UNLESS GIVEN APPROVAL IN WRITING BY THE OWNER.
15. GC TO FOLLOW ALL LOCAL NOISE ORDINANCE REQUIREMENTS.
16. A PARKING AREA FOR CONSTRUCTION WORKERS PERSONAL VEHICLES WILL BE DISCUSSED AND IDENTIFIED PRIOR TO THE START OF CONSTRUCTION. GC SHOULD DISCUSS THIS WITH THE OWNER AND ARCHITECT ONCE THE PROJECT HAS BEEN AWARDED.
17. GC WILL BE RESPONSIBLE FOR BRINGING BOTH STAGING AREAS BACK TO THEIR ORIGINAL CONDITION PRIOR TO THE CLOSEOUT OF CONSTRUCTION AS APPROVED.
18. GC TO REFRAIN FROM DAMAGING ANY EXISTING LANDSCAPE, STRUCTURE, OR PROPERTY OUTSIDE OF THE LIMIT OF CONSTRUCTION

**EXISTING BUILDING DEMOLITION NOTES:**

1. THE EXISTING STORAGE BUILDING AREA ATTACHED TO THE WEST FAÇADE OF THE EXISTING RECREATION CENTERS GYM SHALL BE DEMOLISHED IN ITS ENTIRETY AND ALL DEMOLITION WILL BE TAKEN TO THE EXTERIOR EXTENT OF THE EXISTING GYMS CMU BEARING WALL AND FOOTINGS
2. DEMOLISH ALL ABOVE AND BELOW GROUND ELEMENTS, NOT LIMITED TO MECHANICAL, PLUMBING, ELECTRICAL, LOW VOLTAGE, FLOORING, WALLS, CEILINGS, DECKS, ROOFS, ABOVE CEILING STRUCTURES, ETC.
3. GC WILL BE RESPONSIBLE FOR PROTECTING THE EXTERIOR WALL OF THE EXISTING GYM AND ALL ATTACHED ELEMENTS THROUGHOUT THE DEMOLITION PROCESS.
4. ALL REMAINING SYSTEMS OR SYSTEMS THAT BRANCH INTO THE EXISTING STORAGE SPACE SHALL BE TERMINATED WITHIN THE EXISTING GYM AND CAPPED IN A MANNER SO ALL THE EXISTING SYSTEMS WITHIN THE EXISTING RECREATION FACILITY WILL REMAIN IN OPERATION THROUGHOUT THE DURATION OF CONSTRUCTION.
5. ANY POSSIBILITY THAT A ACTIVE SERVICE COULD BE INTERRUPTED WILL BE HELD UNTIL DISCUSSING THE CONDITION WITH THE ARCHITECT, OWNER AND UTILITY PROVIDER. ONCE AN AGREEMENT BETWEEN ALL PARTIES HAS TAKEN PLACE AND NO OTHER COORDINATION IS NEEDED THE GC CAN PROCEED WITH THE AGREED UPON METHOD OF TERMINATION.
6. GC IS RESPONSIBLE FOR PROTECTING THE EXPOSED PORTION OF THE EXISTING BUILDING AND ENCLOSING THAT PORTION OF THE EXTERIOR BUILDING WHILE CONSTRUCTION IS TAKING PLACE.
7. ANY ELEMENTS OF THE EXISTING BUILDING TO REMAIN THAT BECOME DAMAGED, DUE TO CONSTRUCTION OR WATER DAMAGE WILL BE REPLACED BY THE GC AT NO EXPENSE TO THE PROJECT, OWNER OR ARCHITECT.
8. GC IS ENCOURAGED TO REFRAIN FROM DAMAGING ANY EXTERIOR FAÇADE ELEMENTS DESIGNATED TO BE REUSED OR REMAIN.
9. GC SHOULD REMOVE AND SALVAGE ALL DOWNSPOUTS OFF THE PORTION OF THE EXISTING BUILDING TO BE DEMOLISHED OR DOWNSPOUT THAT MIGHT BE IN CONFLICT WITH THE NEEDS OF CONSTRUCTION. GC WILL BE RESPONSIBLE FOR REINSTALLING ALL EXISTING GUTTERS OR MODIFYING EXISTING GUTTERS TO MEET THE NEW DESIGN PRIOR TO THE COMPLETION OF THE PROJECT.
10. WHERE A DOWNSPOUT NEEDS TO BE REMOVED FROM THE EXISTING GYM GUTTERS ALONG THE WEST WALL THE GC WILL BE RESPONSIBLE FOR PROVIDING A TEMPORARY MODIFIED GUTTER OR DRAINAGE SOLUTION TO TAKE THE WATER AWAY FROM THE EXISTING BUILDING, DEMOLITION AND NEW CONSTRUCTION.
11. GC SHOULD REFRAIN FROM ALLOWING ANY WATER FROM THE EXISTING GUTTERS OR DOWNSPOUTS TO COME IN CONTACT WITH THE EXISTING BUILDINGS FAÇADE.

**EXISTING IRRIGATION NOTES:**

1. GC MUST FIELD VERIFY THE LOCATION OF ANY EXISTING IRRIGATION LINES, HEADS, VALVES, METERS, AND CONTROLLERS WITHIN THE AREA OF CONSTRUCTION PRIOR TO START OF DEMOLITION.
2. GC SHALL CUT AND CAP ANY LINES THAT EXTEND INTO THE AREA OF CONSTRUCTION SO THAT THE SYSTEM CAN REMAIN OPERATION WHILE CONSTRUCTION TAKES PLACE.
3. GC SHALL CUT AND CAP ALL IRRIGATION LINES SO THAT THEY STAY 20'-0" AWAY FROM THE FACE OF THE BUILDING.
4. ANY SPRINKLER HEADS WITHIN THE LIMITS OF CONSTRUCTION THAT POSE A PROBLEM TO THE STAGING AREA OR EQUIPMENT SHALL BE TEMPORARILY REMOVED AND SALVAGED. THEIR LOCATION SHALL BE MARKED SO THAT ONCE CONSTRUCTION IS COMPLETE THE GC WILL REINSTALL THE HEADS AND BRING THEM BACK TO OPERATIONAL STATUS.
5. GC SHALL REMOVE AND SALVAGE ANY IRRIGATION CONTROLLERS, HEADS, VALVES AND METERS THAT ARE LOCATED WITH A 20' LIMIT OF THE NEW BUILDING, UNLESS THEY ARE NOT IN CONFLICT WITH CONSTRUCTION OR HAVE A CHANCE OF BECOMING DAMAGED DUE TO USE OF ON SITE EQUIPMENT.
6. IN THE CASE A MAIN METER IS WITHIN THE AREA OF DEMOLITION THE GC MUST RUN A NEW LINE OFF THE BUILDING SOUTH OF THE NEW BUILDINGS FAÇADE SO THE NEW METER AND VALVES CAN BE REINSTALLED BY THE OWNER ONCE CONSTRUCTION IS COMPLETE.



**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH ; ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLUGH ARCHITECTURE  
4790 STATE STREET  
ORANGE BEACH, AL 36561  
ATTN: STED MCCOLLUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-544-7900  
ATTN: ERIC L. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
NSA ENGINEERS  
300 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6386  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4648  
ATTN: CHRIS DEARMON / VAN SIMPSON

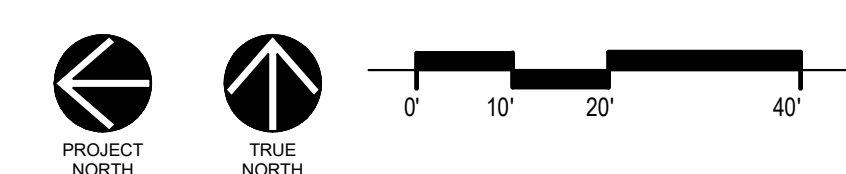
**FIRE PROTECTION ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4648  
ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4648  
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

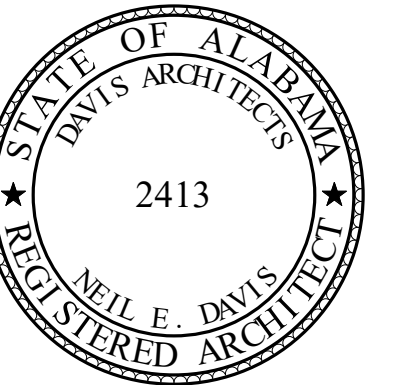
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 PROJECT: 100% CONSTRUCTION DOCUMENTS  
 DRAWN BY: DAVIS ARCHITECTS  
 PROJECT NO: 3891.01  
 SHEET TITLE: DEMOLITION & SITE STAGING SITE PLAN  
 DRAWING NO: D1.01

A1 SITE PLAN - VICINITY MAP  
SCALE: 1" = 20'-0"



D1.01





**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #205  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
11443 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-544-7900  
ATTN: ERIC L. E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
M&A ENGINEERS  
300 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-400-4648  
ATTN: CHRIS DEARMON / VAN SIMPSON

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GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
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ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-400-4648  
ATTN: JERRY ONWU / SID SNYDER

REV DATE DESCRIPTION

DATE 2-18-2019

PROJECT 100% CONSTRUCTION DOCUMENTS

ISSUED FOR

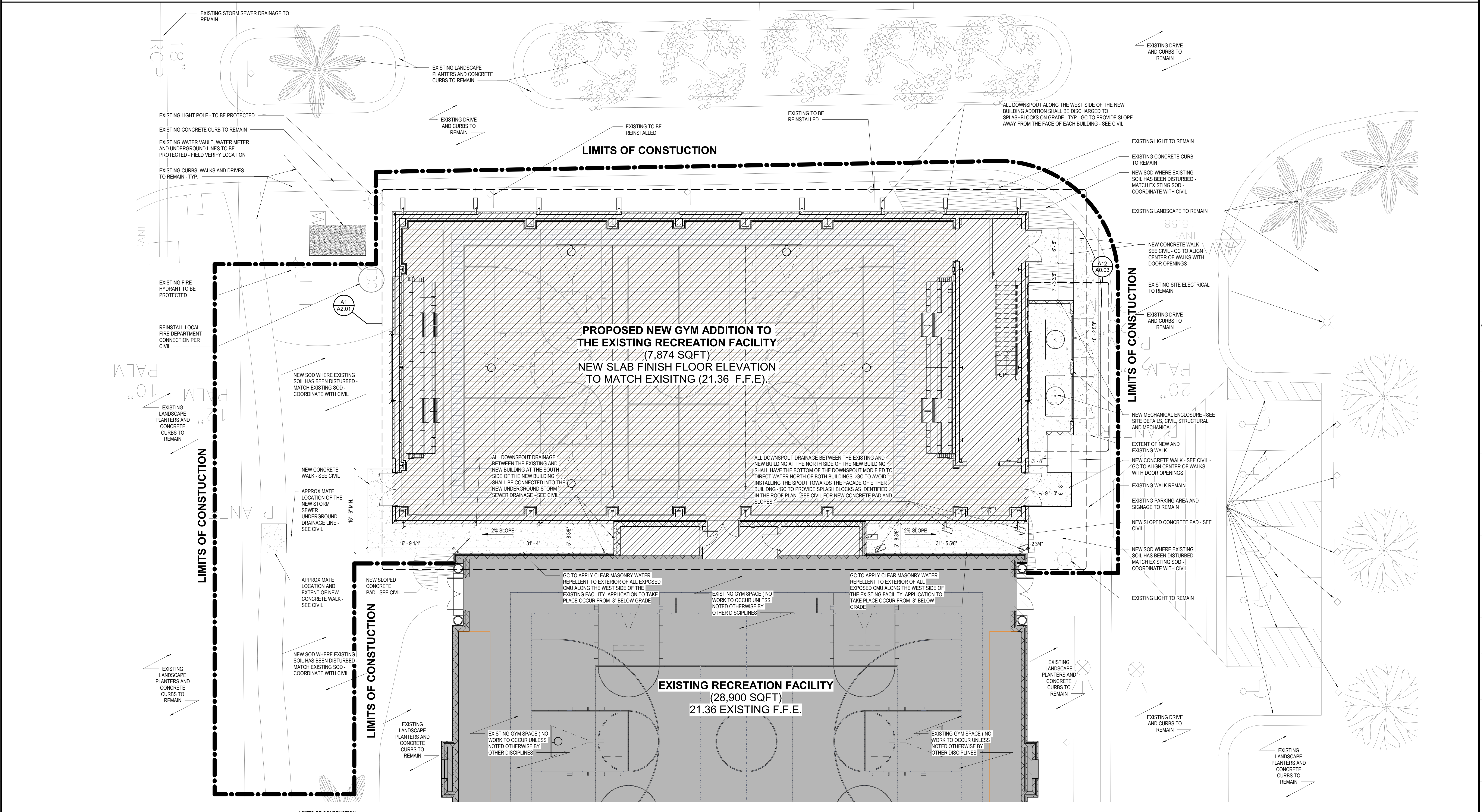
DATE BY PROJECT NO. 3891.01

SHEET TITLE

ARCHITECTURAL SITE PLAN & SITE DETAILS

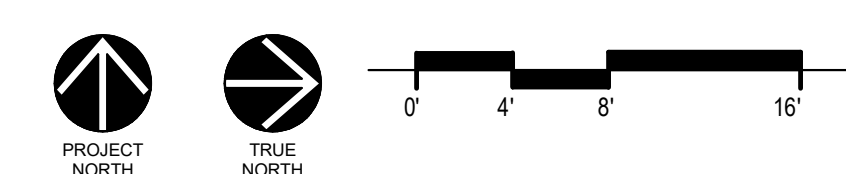
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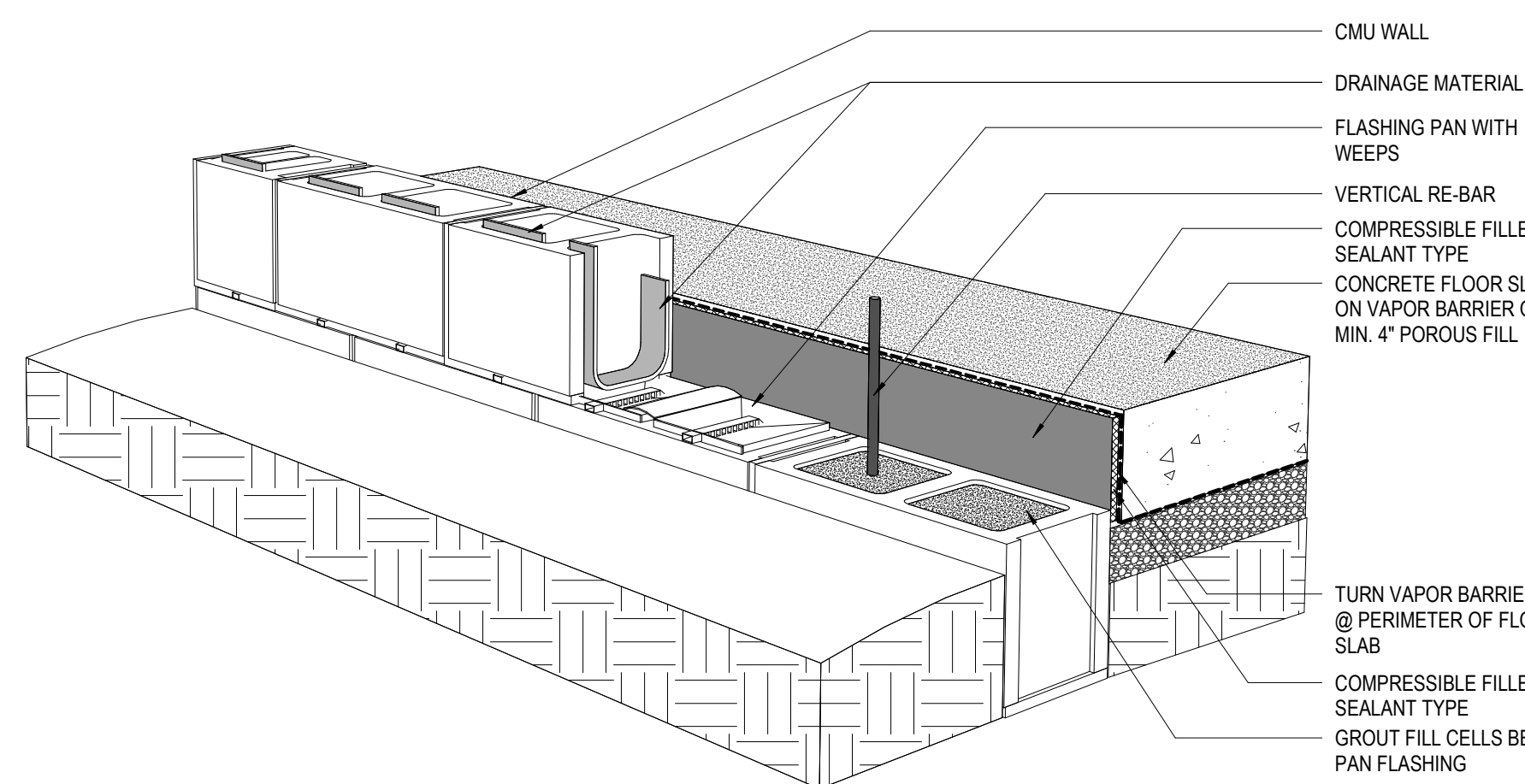


A1 SITE PLAN - ARCHITECTURAL

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

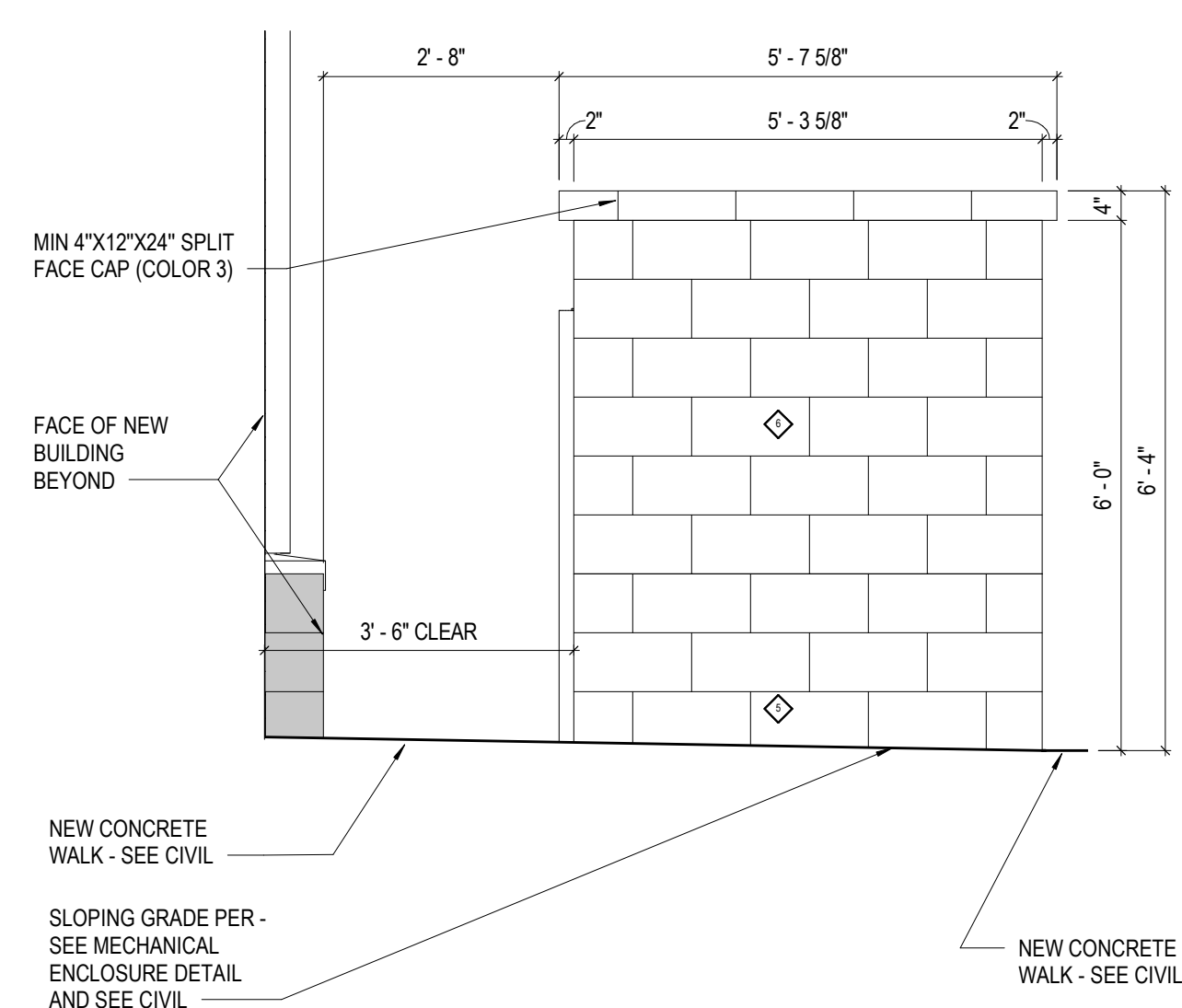






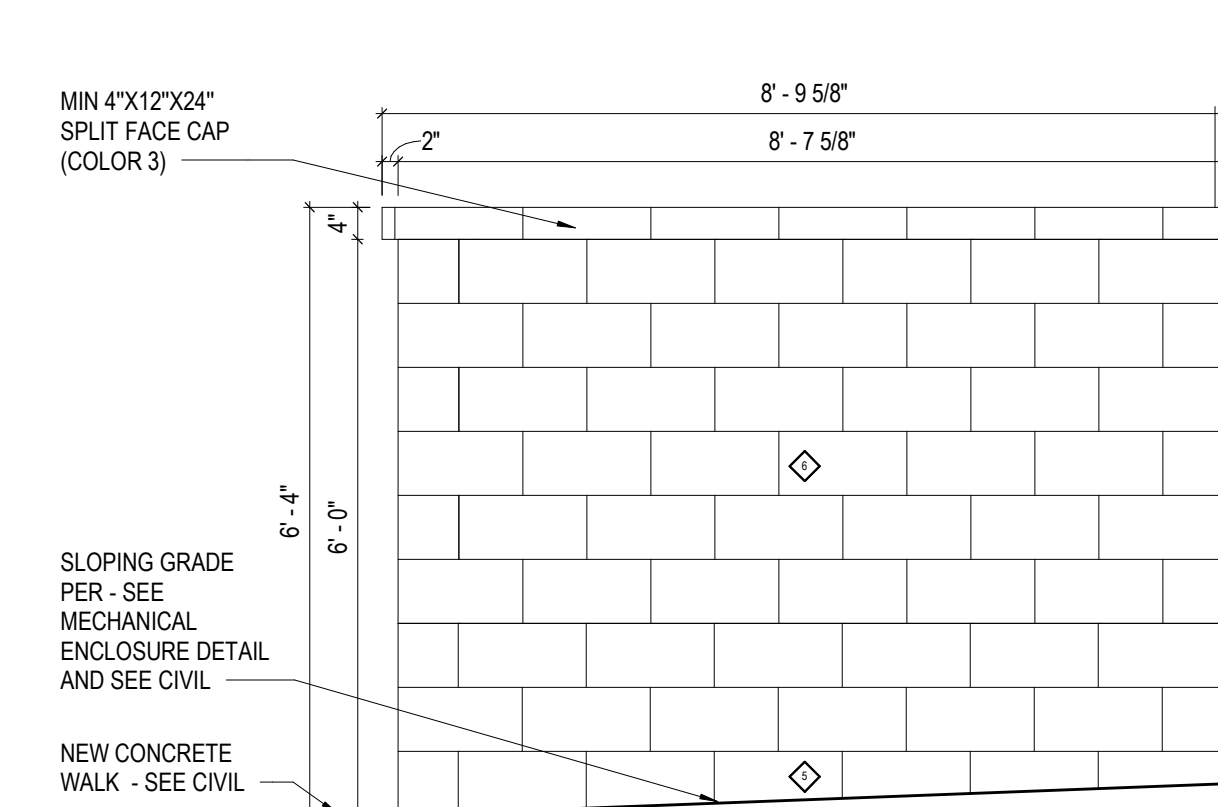
**J1 SINGLE WYTHE FLASHING AXON @ ENCLOSURE CMU WALLS**

SCALE: 1" = 1'-0"



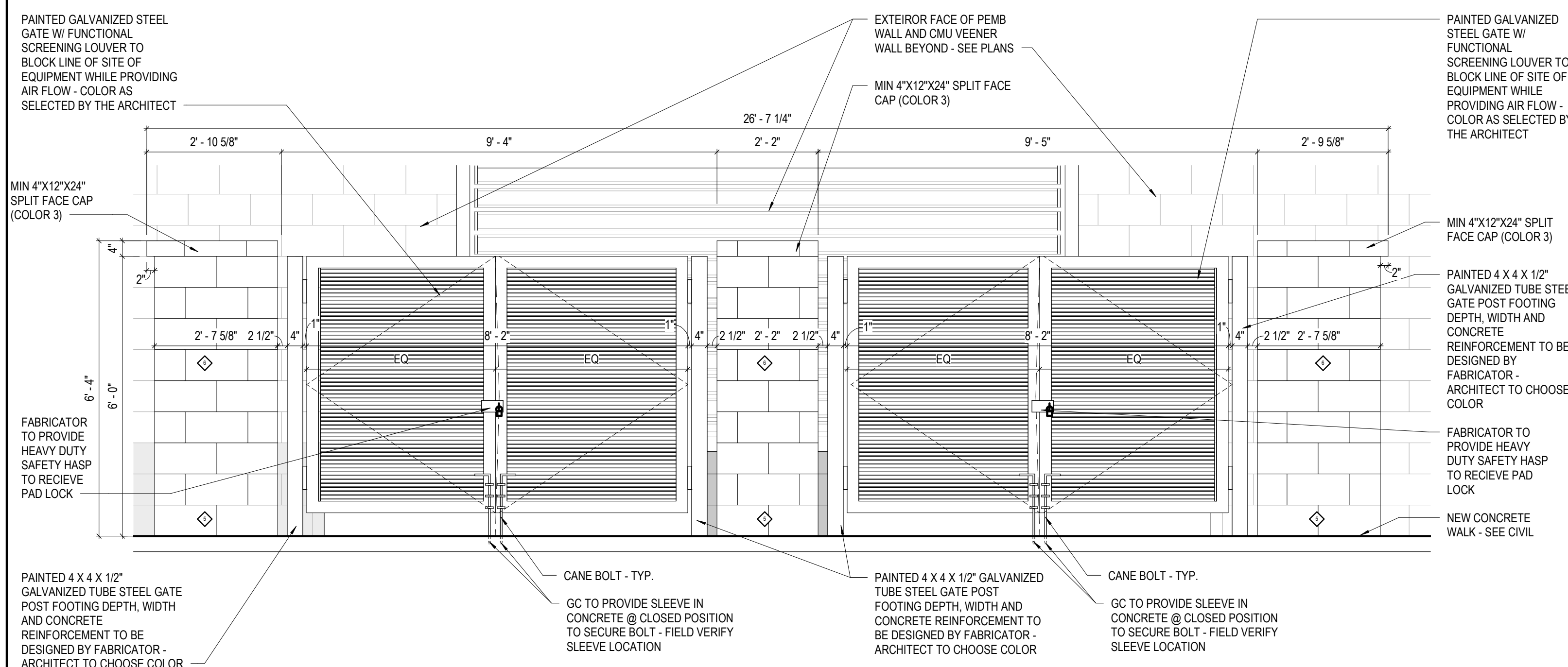
**F4 SOUTH ELEVATION @ ENCLOSURE**

A12 / A0.03 SCALE: 1/2" = 1'-0"



**F8 NORTH ELEVATION @ ENCLOSURE**

A12 / A0.03 SCALE: 1/2" = 1'-0"



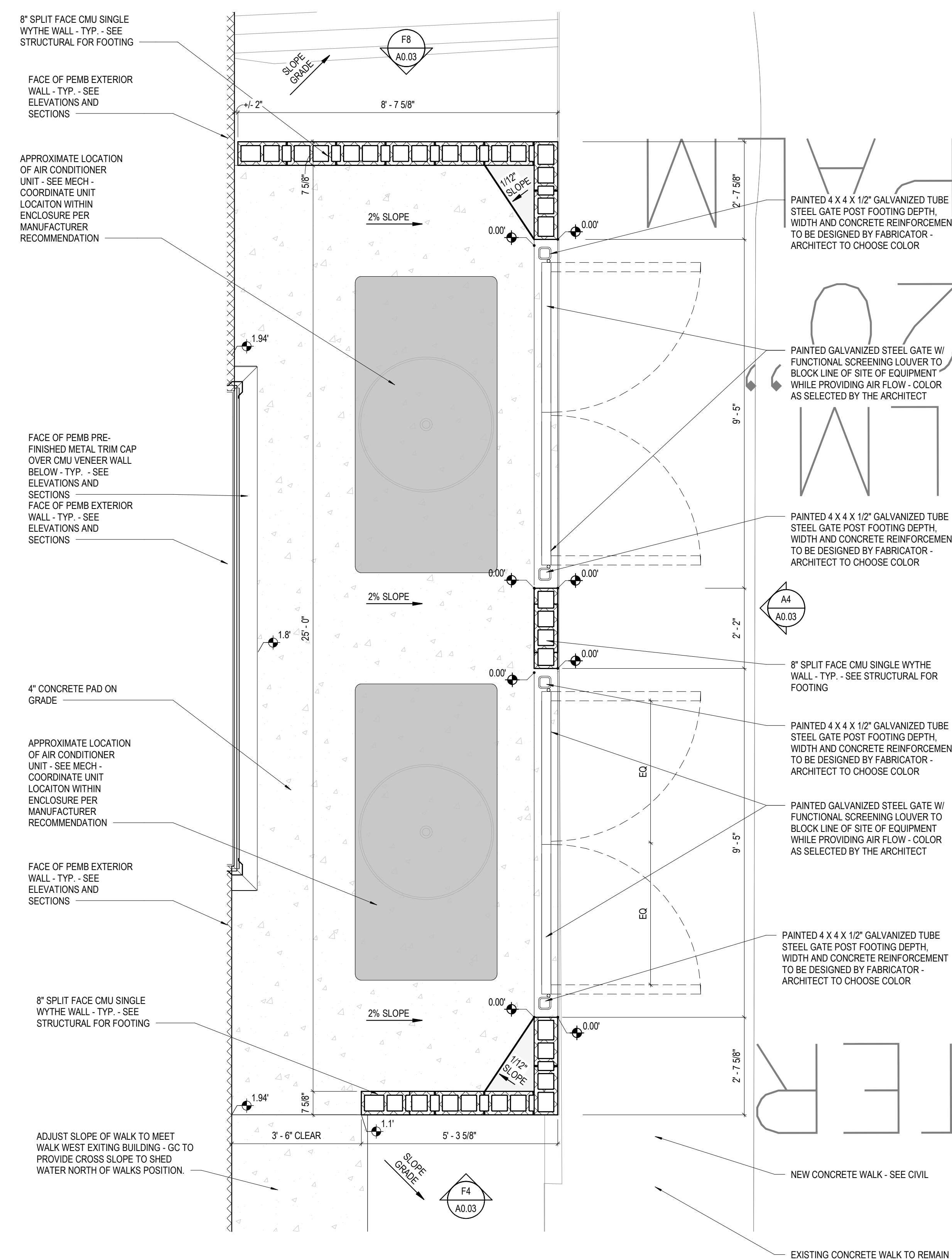
**A4 EAST ELEVATION @ ENCLOSURE**

A12 / A0.03 SCALE: 1/2" = 1'-0"

LEGEND - EXTERIOR MATERIALS AND FABRICATIONS			
MARK	PRODUCT	COLOR	COMMENTS
◇	VERTICAL PBR PANEL ( 1 1/4")	MESCO - ALMOND (300 STANDARD)	SEE GENERAL NOTE 1, 2, 4 & 6
◇	VERTICAL REVERSE ROLL PBR PANEL ( 1 1/4")	MESCO - MIDNIGHT BRONZE (300 STANDARD)	SEE GENERAL NOTE 1, 2, 4, 5, & 6
◇	HORIZONTAL PBR PANEL ( 1 1/4")	MESCO - PACIFIC BLUE (300 STANDARD)	SEE GENERAL NOTE 1, 2, 4 & 6
◇	SSR SUPER LOK (2")	MESCO - SNOW WHITE (300 STANDARD)	SEE GENERAL NOTE 7
◇	SPLIT FACE 4" VENEER CMU (COLOR 1)	TBD SELECTION BY ARCHITECT	SEE GENERAL NOTE 3, 8, 10 & 11
◇	SPLIT FACE 4" VENEER CMU (COLOR 2)	TBD SELECTION BY ARCHITECT	SEE GENERAL NOTE 3, 8, 10 & 11
◇	SPLIT FACE 4" VENEER CMU (COLOR 3)	TBD SELECTION BY ARCHITECT	SEE GENERAL NOTE 3, 8, 10 & 11
◇	PRE-FINISHED METAL CANOPY W/ LIGHT BELOW	CUSTOM COLOR SELECTED BY ARCHITECT	SEE GENERAL NOTE 9
◇	BAHAMA STYLE SHUTTER	LARSON SHUTTER COMPANY - HAMILTON BLUE	SEE GENERAL NOTE 9
◇	PRE-FINISHED METAL CAPS	MESCO - ALMOND	
◇	ROOF RIDGE	MESCO - WHITE SNOW	
◇	GUTTERS, DOWNSPOUTS, TYPICAL & RAKE TRIM	MESCO - ALMOND	

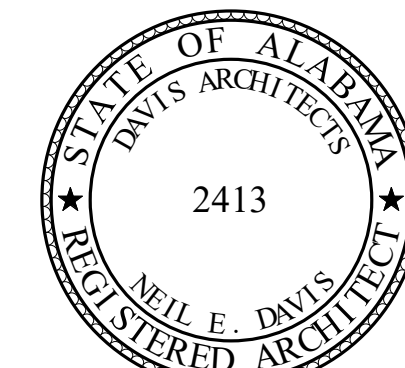
**GENERAL NOTES**

- ALL FRAMED OPENINGS TRIM COLOR TO MATCH SURROUNDING METAL PANEL COLOR.
- ALL PENETRATIONS THROUGH PEMB BUILDING BY OTHERS TO BE COORDINATED WITH THE PEMB MANUFACTURER RECOMMENDATION FOR FLASHING AND SEALING THE CONDITIONS PRIOR TO INSTALLATION. GC TO PROVIDE FLASHING AND SEAL ALL PENETRATIONS AS RECOMMENDED TO MAINTAIN A LONG LASTING WATER TIGHT FACADE AND PROPER DRAINAGE.
- ALL EXPOSED LOCATIONS OF NEW MASONRY ASSEMBLIES TO BE TREATED WITH CLEAR WATER REPELANT AS LISTED PER THE UNIT MASONRY SPECIFICATION.
- ALL METAL WALL PANEL ASSEMBLIES SHOULD BE DESIGN TO MEET A MINIMUM OF L/240 DEFLECTION
- PEMB TO DESIGN METAL WALL PANEL ASSEMBLY WITH 7/8" GALVANIZED HAT CHANNEL FURRING BEHIND METAL PANEL ATTACHED TO FACE OF GIRT.
- PEMB METAL PANEL TO HAVE SEMI-CONCEALED FASTENERS.
- PEMB METAL PANEL TO BE FULLY CONCEALED AND MECHANICALLY SEALED
- 8" SPLIT FACE CMU @ EXTERIOR MECHANICAL ENCLOSURE IN LIEU OF 4" SPLIT FACE CMU VENEER.
- PEMB MANUFACTURER TO PROVIDE ADDITIONAL GIRT REINFORCEMENT AND BRACING AS NEEDED (SHOWN AS DASHED WITH DIAGONAL HATCH FOR SIGNAGE - GC TO COORDINATE SIGNAGE LOCATION, STRUCTURAL REQUIREMENTS AND ATTACHMENT INFORMATION WITH THE PEMB MANUFACTURER PRIOR TO APPROVAL OF SHOP DRAWINGS.
- PEMB METAL PANELS ARE TO EXTEND BEHIND ALL MASONRY AND BE TAKEN TO TOP OF CONCRETE SLAB CURB AND BE SEALED.
- PEMB METAL PANELS BEHIND MASONRY ARE TO BE REVERSE ROLL PANELS INSTALLED FOR MASONRY TIE DIRECT ATTACHMENT.



**A12 MECHANICAL ENCLOSURE ENLARGED PLAN**

A1 / A0.01 SCALE: 1/2" = 1'-0"



**ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST. #209  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-544-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MSA ENGINEERS  
300 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6386  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4648  
ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4648  
ATTN: TOM WADE / BRIAN DOVE

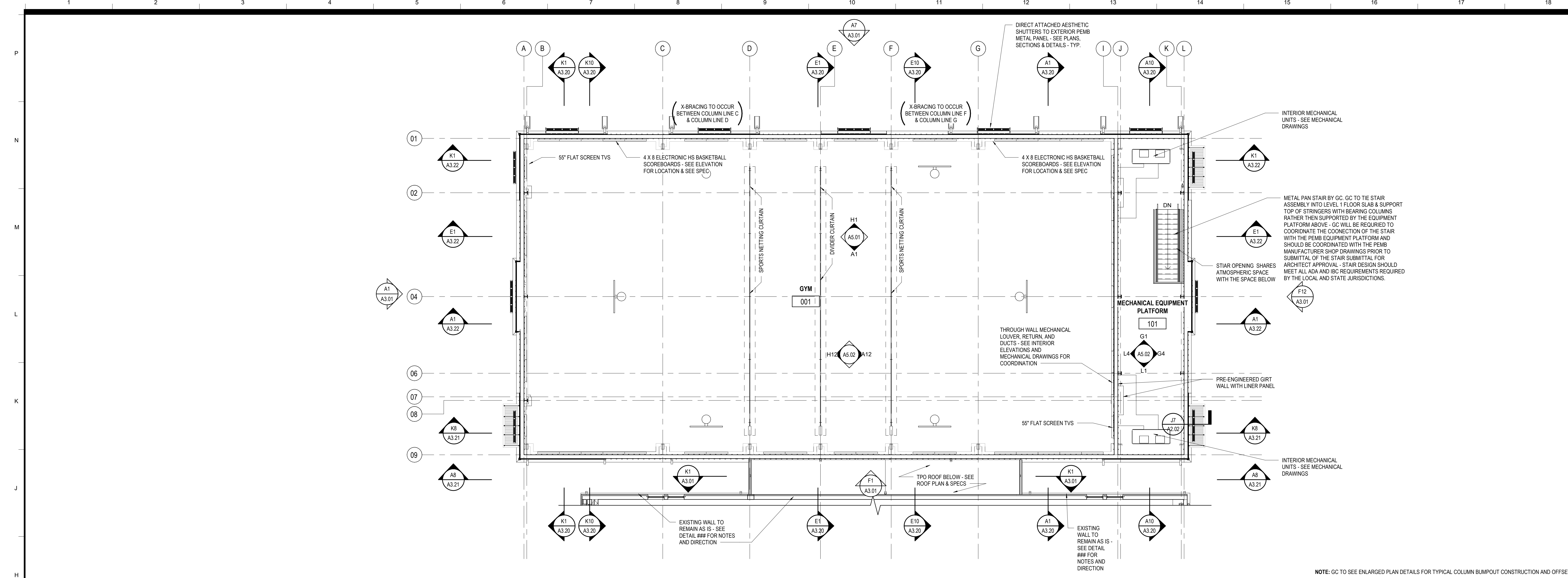
**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
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251-460-4648  
ATTN: JERRY ONWU / SID SNYDER

REV DATE DESCRIPTION

DATE: 2-18-2019  
100% CONSTRUCTION DOCUMENTS  
PROJECT NO: 3891.01  
SHEET TITLE: SITE DETAILS

**A0.03**

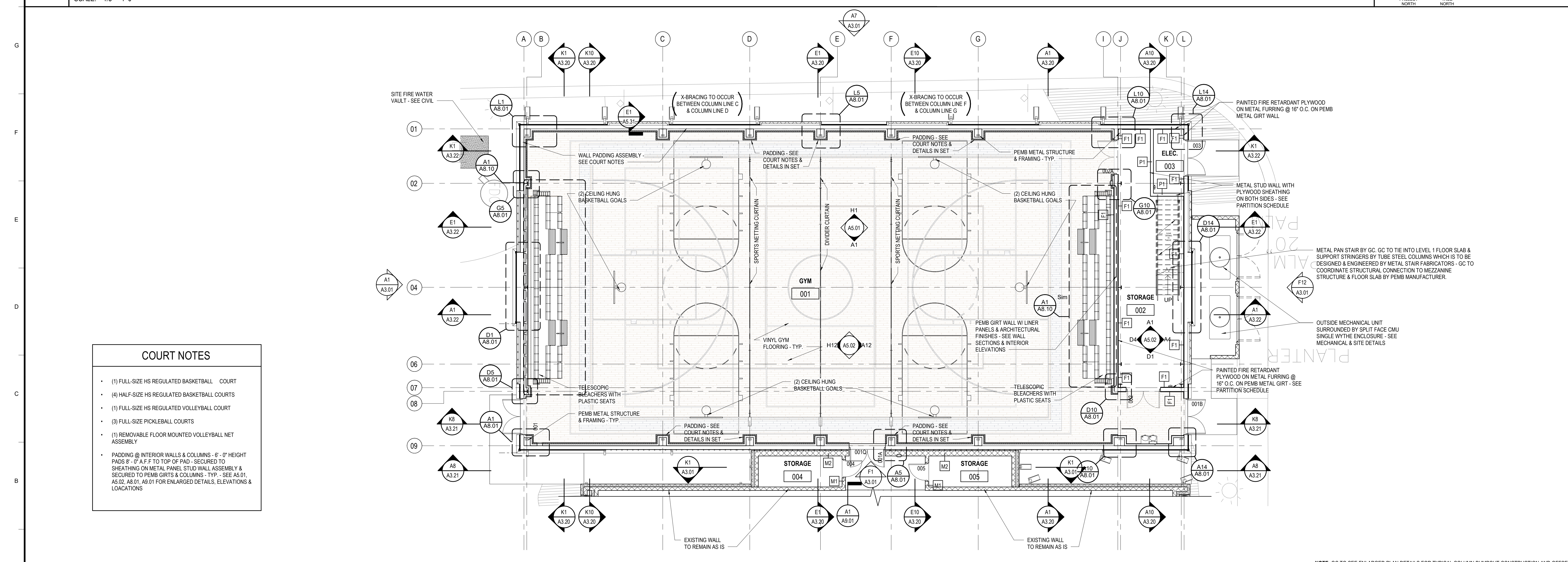
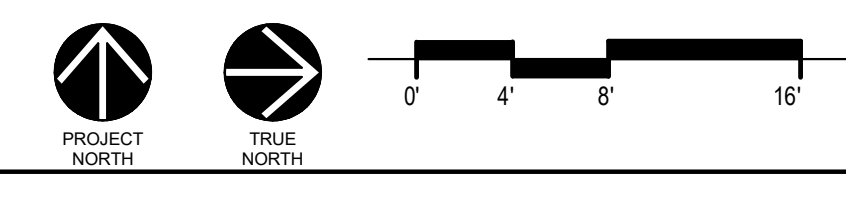




H1 MECHANICAL EQUIPMENT PLATFORM - FLOOR PLAN - ANNOTATIONS

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

NOTE: GC TO SEE ENLARGED PLAN DETAILS FOR TYPICAL COLUMN BUMPOUT CONSTRUCTION AND OFFSETS

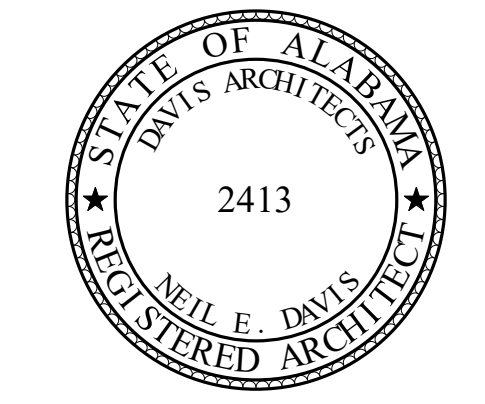
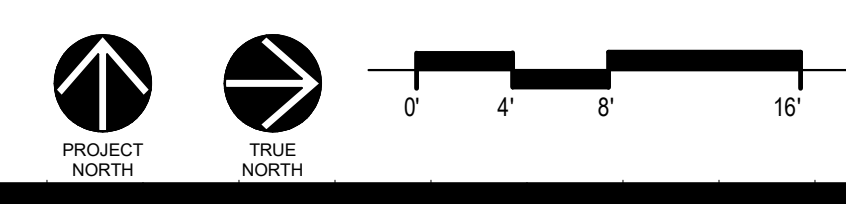


- COURT NOTES**
- (1) FULL-SIZE HS REGULATED BASKETBALL COURT
  - (4) HALF-SIZE HS REGULATED BASKETBALL COURTS
  - (1) FULL-SIZE HS REGULATED VOLLEYBALL COURT
  - (3) FULL-SIZE PICKLEBALL COURTS
  - (1) REMOVABLE FLOOR MOUNTED VOLLEYBALL NET ASSEMBLY
  - PADDING @ INTERIOR WALLS & COLUMNS - 6" O" HEIGHT PADS 6" AFF TO TOP OF PAD - SECURED TO SHEATHING ON METAL PANEL STUD WALL ASSEMBLY & SECURED TO PEMB GIRTS & COLUMNS - TYP. - SEE A5.01, A5.02, A8.01, A8.01 FOR ENLARGED DETAILS, ELEVATIONS & LOCATIONS

A1 LEVEL 1 - FLOOR PLAN - ANNOTATIONS

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

NOTE: GC TO SEE ENLARGED PLAN DETAILS FOR TYPICAL COLUMN BUMPOUT CONSTRUCTION AND OFFSETS



**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH;  
ORANGE BEACH, AL



**OWNER**  
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**ASSOCIATE ARCHITECT**  
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REV	DATE	DESCRIPTION

DATE: 2-18-2019

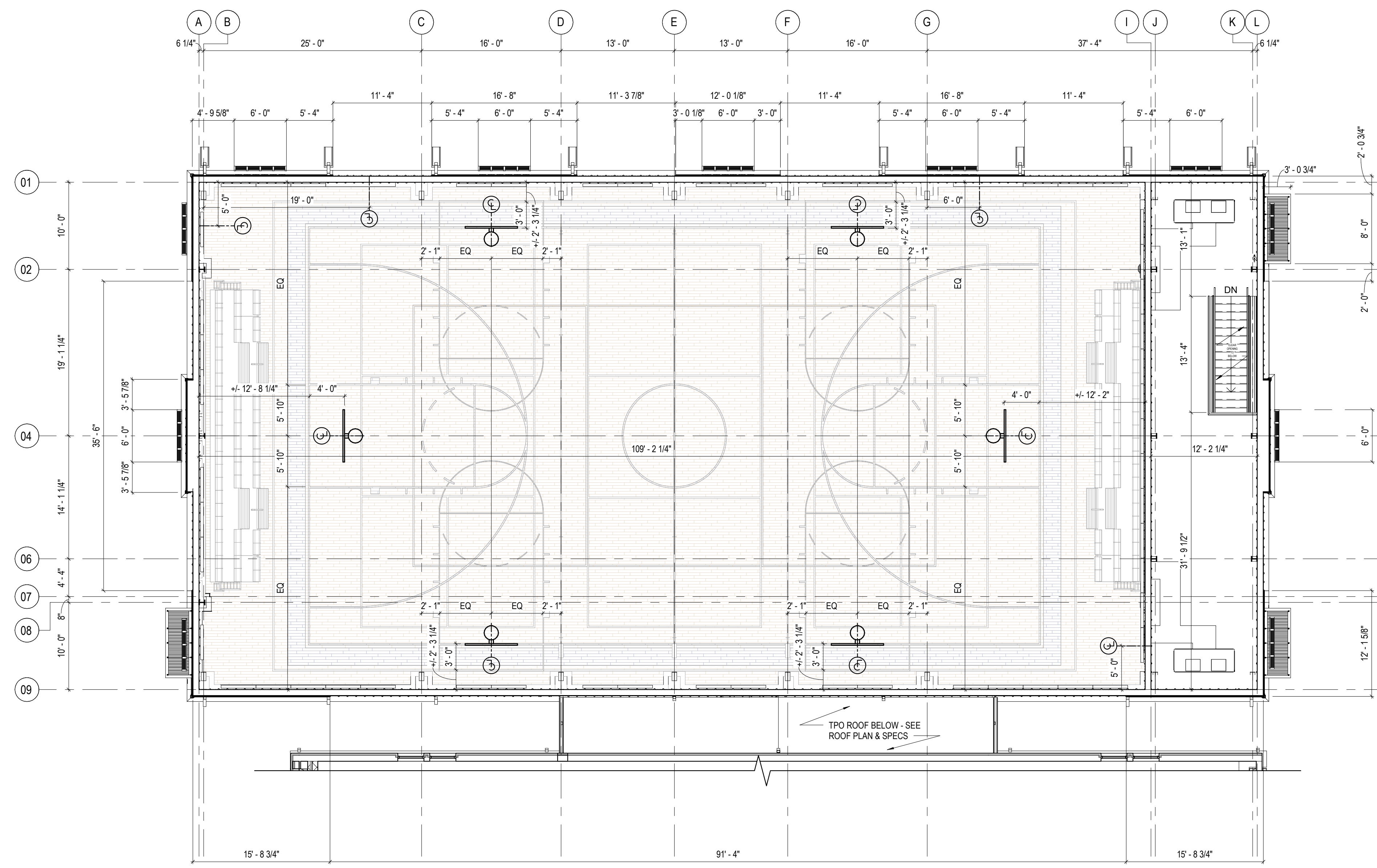
PROJECT: 100% CONSTRUCTION DOCUMENTS

ISSUED FOR: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: FLOOR PLAN - ANNOTATIONS

DRAWING NO.: A2.01

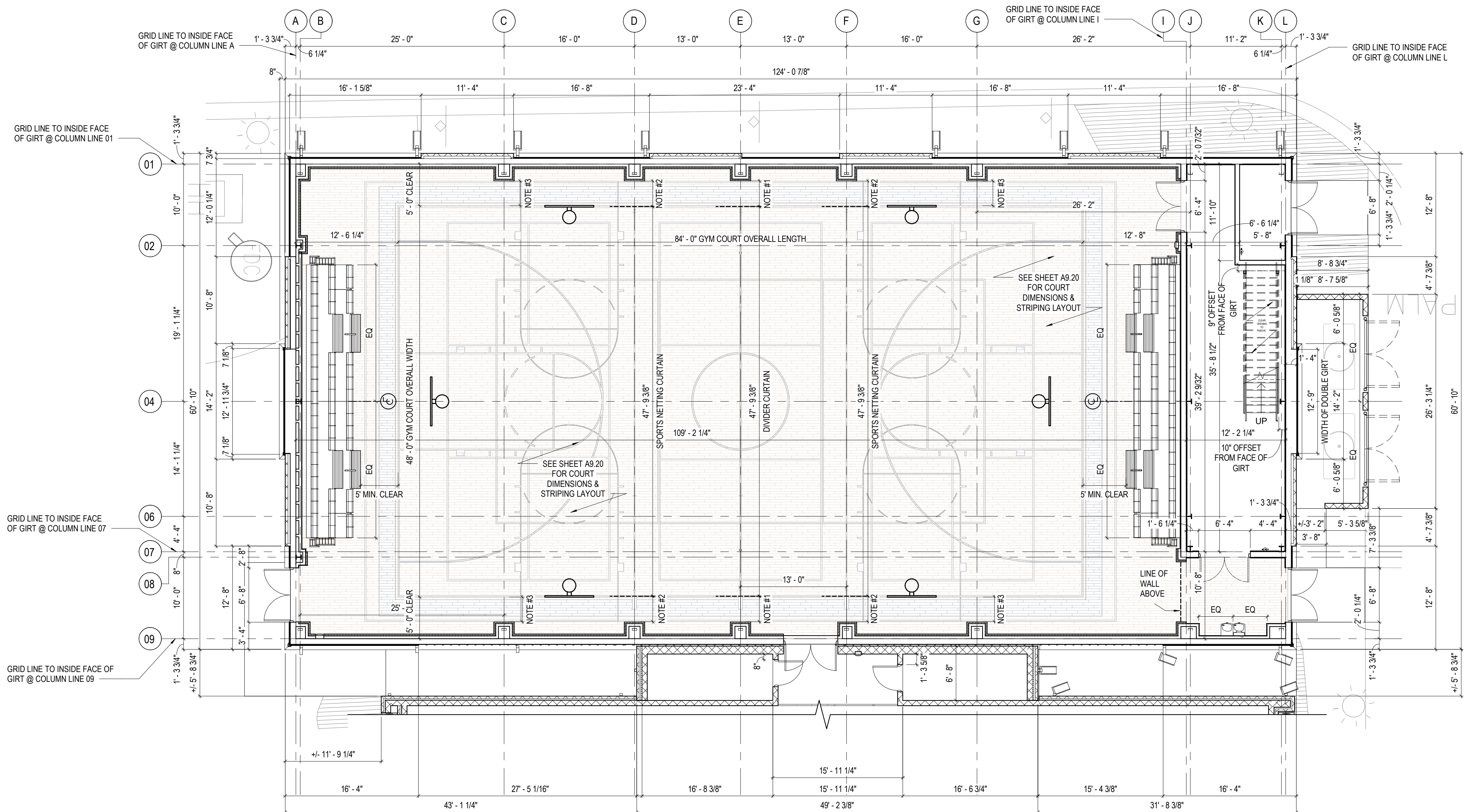
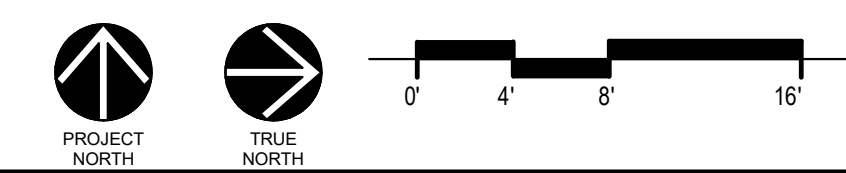




H1 MECHANICAL EQUIPMENT PLATFORM - FLOOR PLAN - DIMENSIONS

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

DIM NOTE: GC TO SEE ENLARGED PLAN DETAILS FOR TYPICAL COLUMN BUMPOUT CONSTRUCTION AND OFFSETS

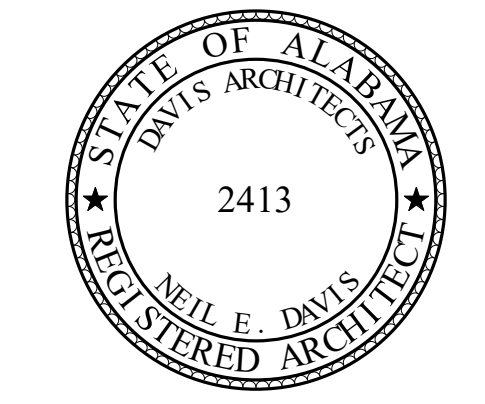
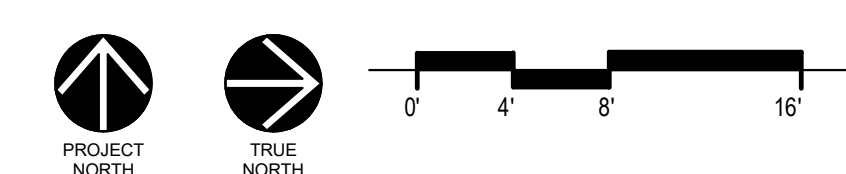


- GENERAL NOTES**
- MAINTAIN 3'-0" MINIMUM CLEAR BETWEEN EDGE OF DIVIDER CURTAIN TO WALL PADDING @ COLUMN LINE E
  - MAINTAIN 3'-0" MINIMUM CLEAR BETWEEN EDGE OF DIVIDER CURTAIN TO WALL PADDING @ COLUMN LINE D&F
  - MAINTAIN 3'-0" MINIMUM CLEAR BETWEEN COURT EDGE & FACE OF WALL PADDING

A1 LEVEL 1 - FLOOR PLAN - DIMENSIONS

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

DIM NOTE: GC TO SEE ENLARGED PLAN DETAILS FOR TYPICAL COLUMN BUMPOUT CONSTRUCTION AND OFFSETS



**ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH;  
ORANGE BEACH, AL



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REV	DATE	DESCRIPTION

DATE: 2-18-2019

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DRAWN BY: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: FLOOR PLAN - DIMENSIONS

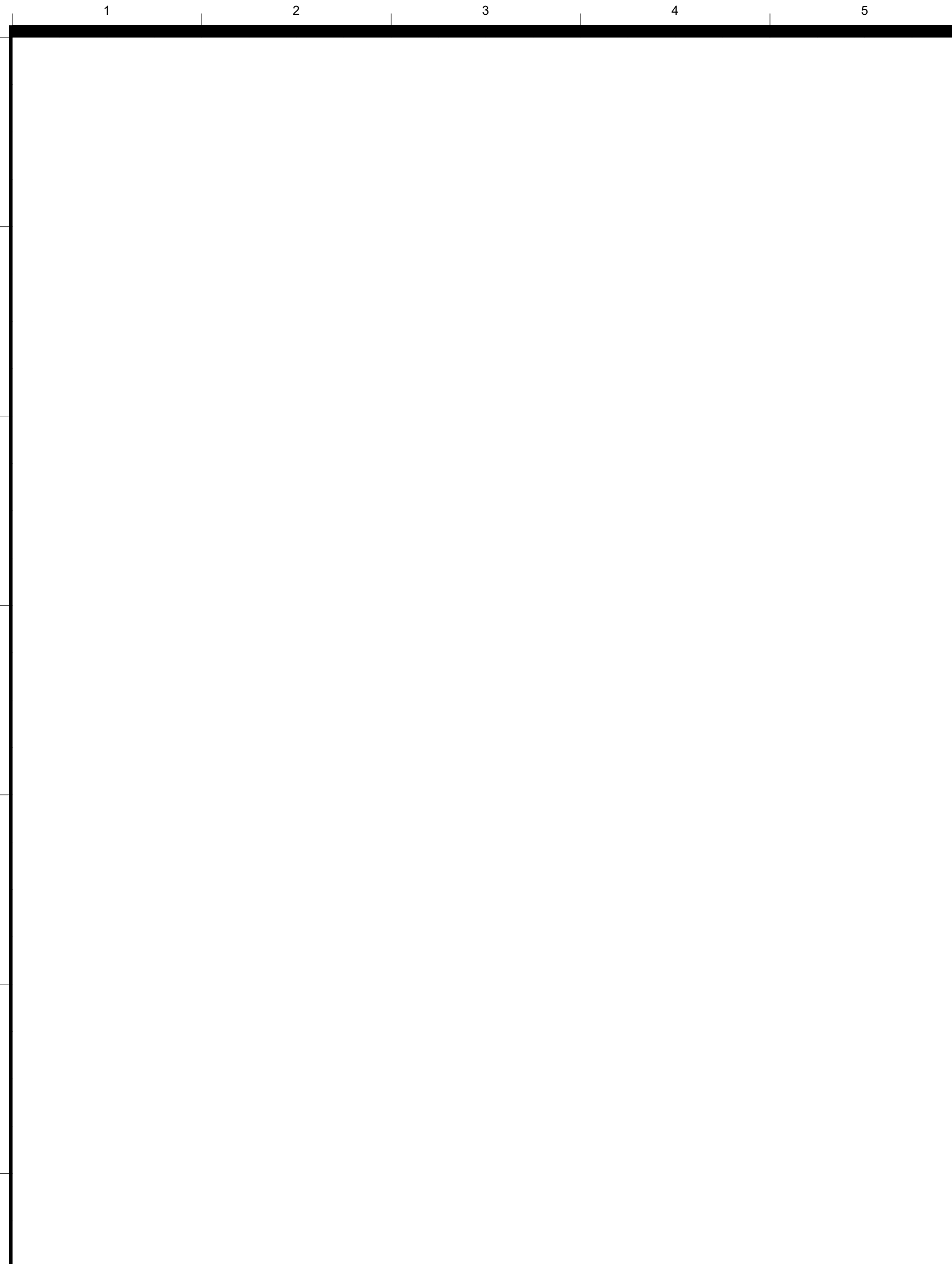
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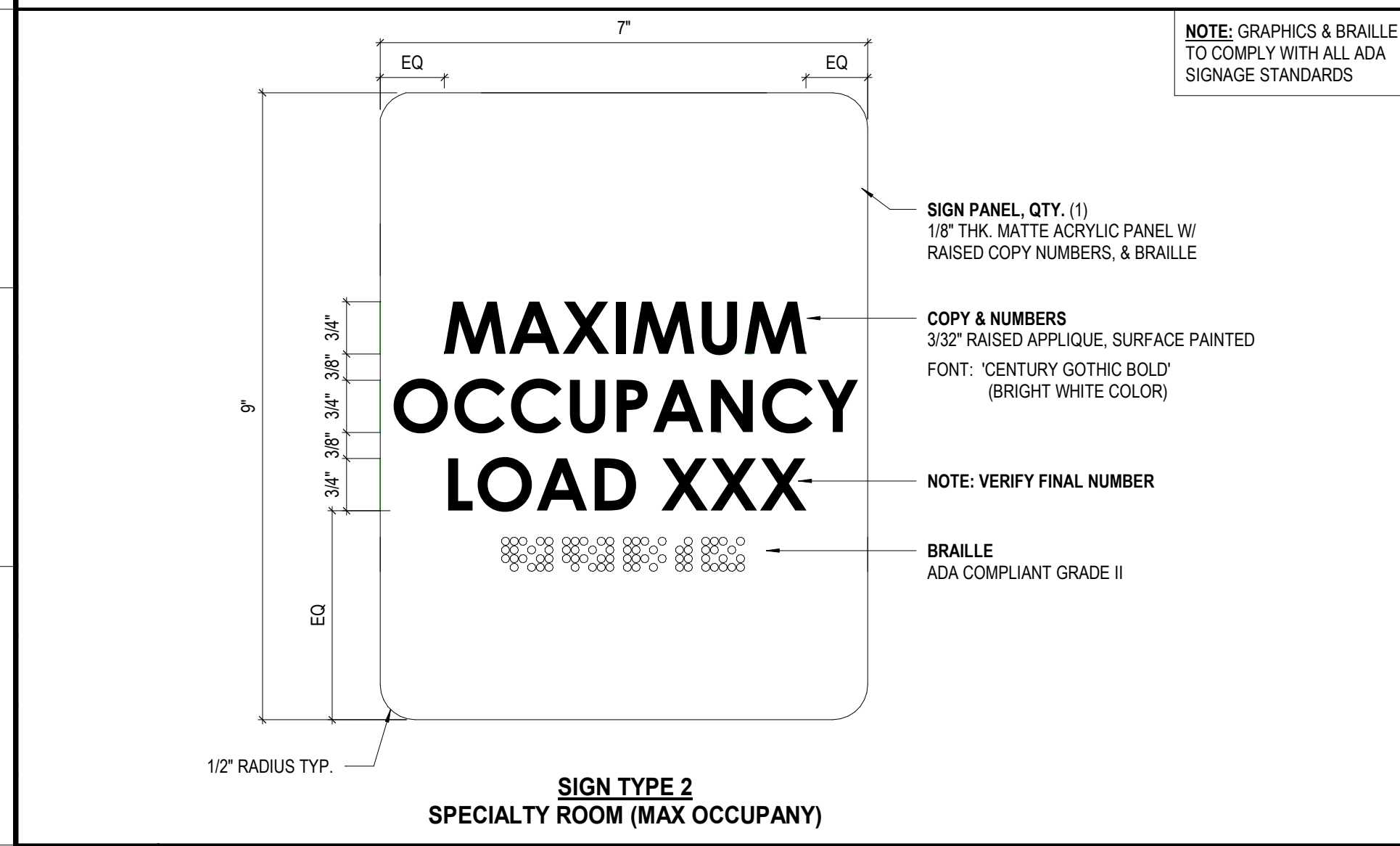
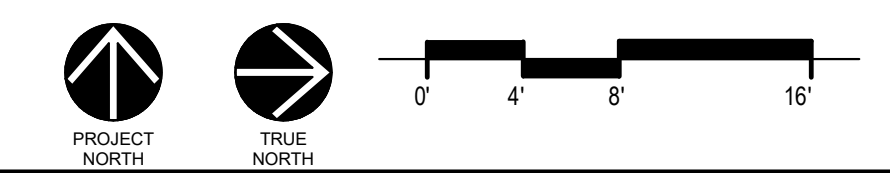




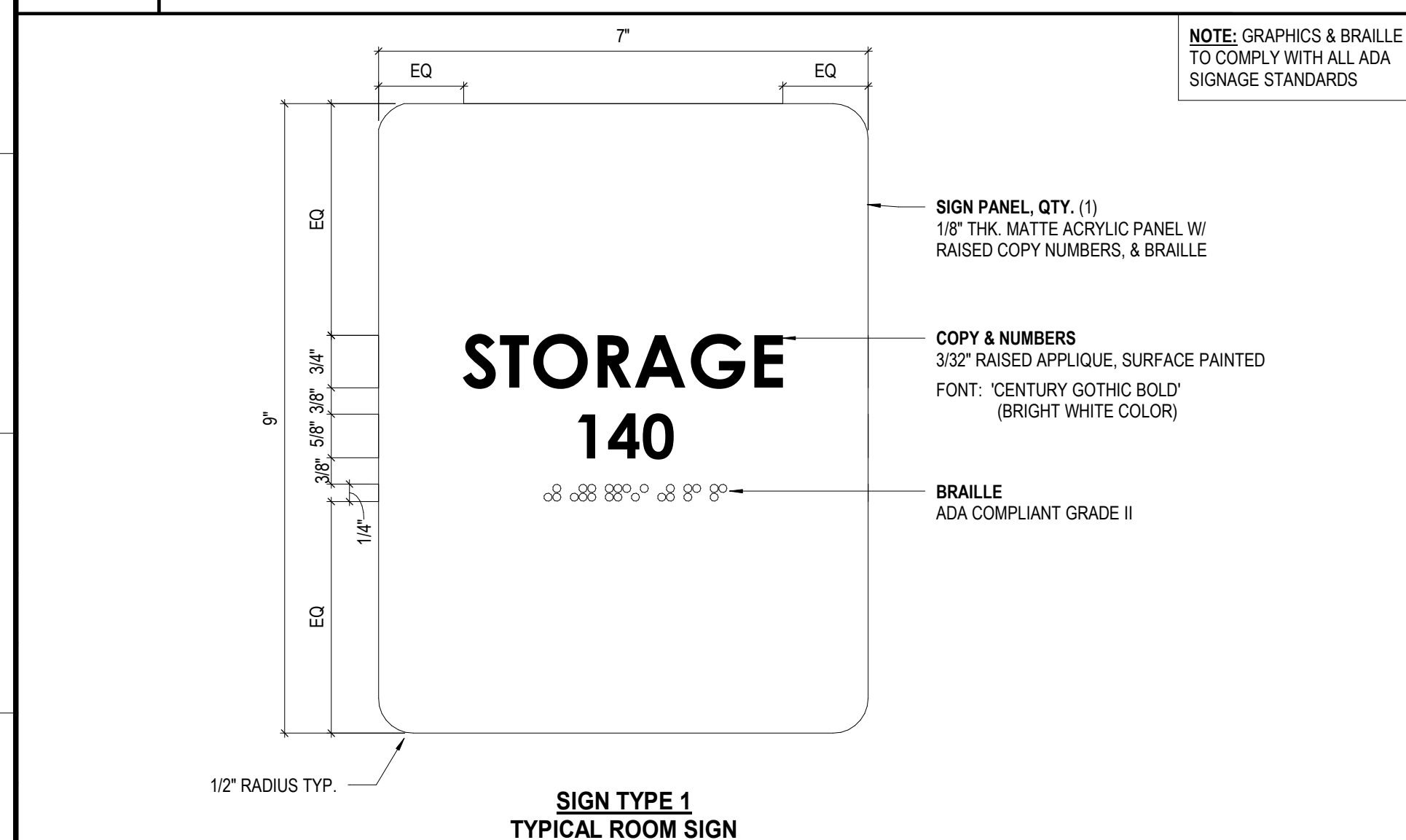




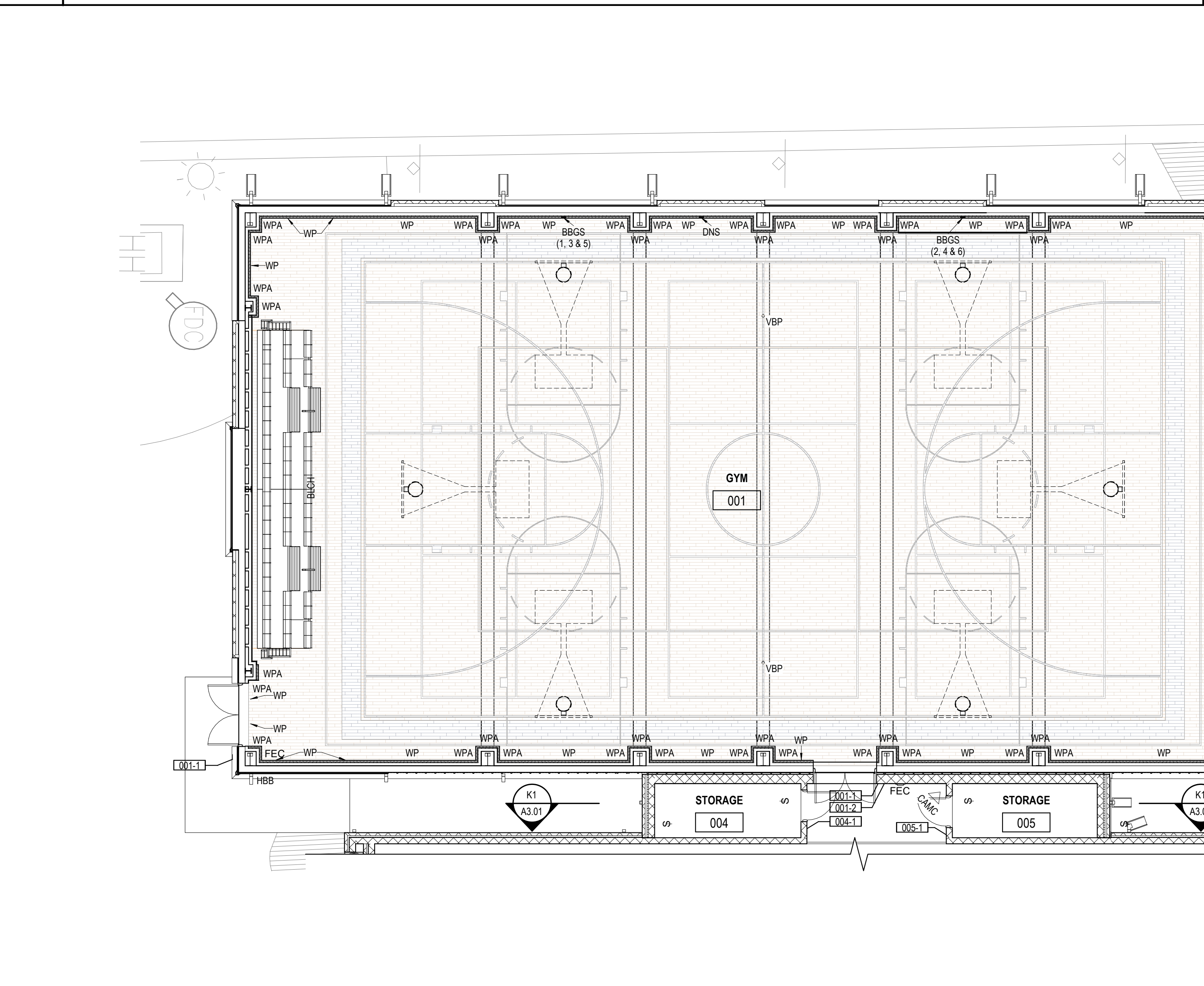
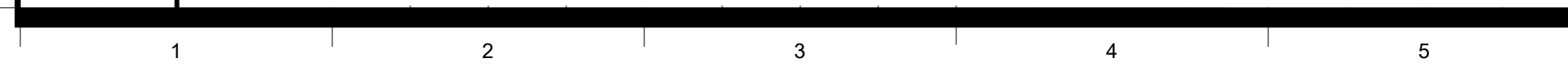
**H6** MECHANICAL EQUIPMENT PLATFORM - FLOOR PLAN - FFE  
SCALE: 1/8" = 1'-0"



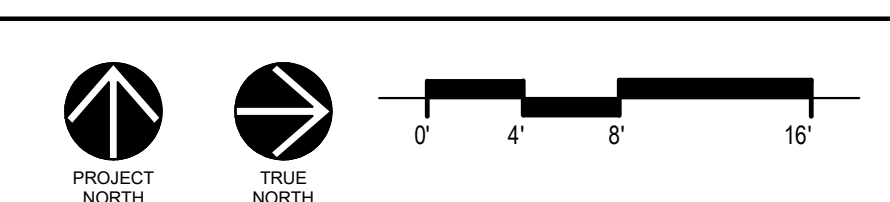
**D1** SIGN TYPE 2  
SCALE: 6" = 1'-0"



**A1** SIGN TYPE 1  
SCALE: 6" = 1'-0"



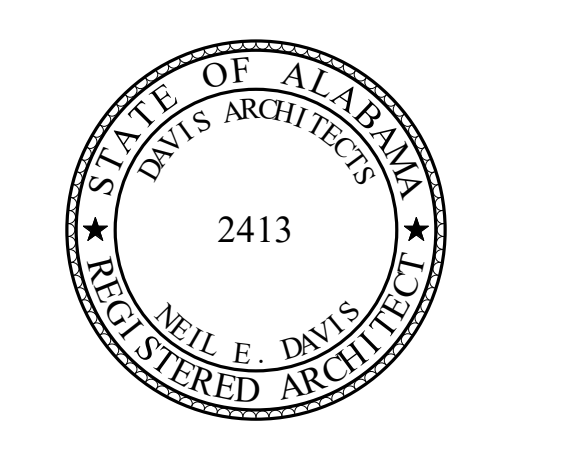
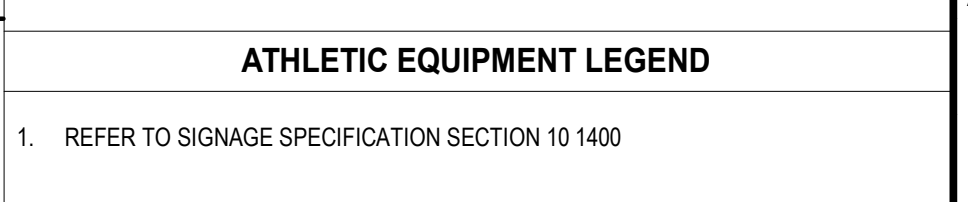
**A6** LEVEL 1 - FLOOR PLAN - FFE  
SCALE: 1/8" = 1'-0"



FURNITURE AND EQUIPMENT LEGEND	
STANDARD EQUIPMENT LEGEND	
CLF	CHAIN LINK FENCING (SEE SITE DETAILS)
CLG	CHAIN LINK GATE (SEE SITE DETAILS)
FE	FIRE EXTINGUISHER AND CABINET (WALL MOUNTED; SEE L.S. 0.02 & SPECS)
FEC	FIRE EXTINGUISHER (WALL MOUNTED; SEE L.S. 0.02 & SPECS)
GR	GUARD RAILS (SEE STAIR DETAILS)
HBB	HOSE BIBB (SEE PLUMBING)
STR	METAL STAIR (SEE STAIR PLANS, SECTIONS AND DETAILS)
AV LEGEND	
AV-C	AV CONTROL PANEL
AVR	AV RACK
CAM	CAMERA - SECURITY; OFCI (WALL MOUNTED; 12-0 A.F.F.; VERIFY WITH OWNER)
CAMC	CAMERA - SECURITY; OFCI (CEILING MOUNTED)
TV	FLAT PANEL TV; OFCI (SEE ELECTRICAL)
WAP	WALL MOUNTING BRACK; OFCI (GC TO PROVIDE IN WALL BLOCKING)
WAP	WIRELESS ACCESS POINT; OFCI (SEE ELECTRICAL)
ATHLETIC EQUIPMENT LEGEND	
ASP	ACOUSTICAL PANEL (WALL MOUNTED) (ALTERNATE 1) NOTE: SEE INTERIOR ELEVATIONS SHEETS AS.01 & AS.02 FOR ALL LOCATIONS - NOT SHOWN ON FFE PLAN DUE TO OVERLAP AND LOCATIONS.
BBG	BASKETBALL GOAL & BACKBOARD PADDING (CEILING MOUNTED; W/ELECTRIC OPERATION; SEE SPECS; SEE ELECTRICAL)
BBGS	BASKETBALL GOAL KEY SWITCHES (WALL MOUNTED; SEE SPECS)
BLCH	TELESCOPIC BLEACHER W/PLASTIC SEATS; (FLOOR MOUNTED; W/ELECTRIC OPERATION; SEE SPECS; SEE ELECTRICAL)
EML	ELECTRIC MOTOR LOCATION (CEILING HUNG; SEE SPECS)
RDC	RETRACTABLE DIVIDER CURTAIN (CEILING MOUNTED; W/ELECTRIC OPERATION; SEE SPECS; SEE ELECTRICAL)
RSNC	RETRACTABLE SPORTS NETTING CURTAIN (CEILING MOUNTED; W/ELECTRIC OPERATION; SEE SPECS; SEE ELECTRICAL)
DNS	DIVIDER AND SPORTS NETTING KEY SWITCH (WALL MOUNTED; SEE SPECS)
SB	SCOREBOARD (WALL MOUNTED; SEE SPECS; SEE ELECTRICAL)
VBP	VOLLEY BALL SLEEVE POST & PADDING (FLOOR MOUNTED; SEE SPECS)
WP	GYM WALL PADDING (BASE COLOR; WALL MOUNTED; SEE SPECS)
WPA	GYM WALL PADDING (ALTERNATE COLOR; WALL MOUNTED; SEE SPECS)

GENERAL NOTES	
NIC	= NOT IN CONTRACT
OF	= OWNER FURNISHED
OFCI	= OWNER FURNISHED & CONTRACTOR INSTALLED
PEMB	= PRE-ENGINEERED METAL BUILDING
UNO	= UNLESS NOTED OTHERWISE
1.	SEE SPECS FOR ALL MODEL NUMBER AND EQUIPMENT. UNO
2.	GC TO COORDINATE FINAL LOCATIONS OF EQUIPMENT WITH ARCHITECT & OWNER PRIOR TO INSTALLATIONS.
3.	GC IS RESPONSIBLE TO COORDINATE ALL EQUIPMENT TO BE ATTACHED TO THE PEMB STRUCTURE WITH THE PEMB MANUFACTURER PRIOR TO FABRICATION. GC TO PROVIDE BLOCKING WHERE PEMB IS NOT PROVIDING ADDITIONAL STRUCTURE OR REINFORCEMENT FOR EQUIPMENT ATTACHED TO THE PEMB STRUCTURE.
4.	GC TO COORDINATE WITH PEMB MANUFACTURER AND IDENTIFY WHERE ALL ADDITIONAL BLOCKING, IDENTIFY ALL LOCATIONS OF BLOCKS, ADDITIONAL STEEL AND REINFORCEMENT IN THE PEMB SHOP DRAWINGS PRIOR TO ARCHITECT APPROVAL.
5.	PROVIDE BLOCKING FOR ALL WALL-MOUNTED DEVICES INCLUDING THOSE THAT ARE NIC AND IN THE AV BID PACKAGE.
6.	COORDINATE ALL LOCATIONS OF FLOOR BOXES WITH ARCHITECT AND AV CONTRACTOR PRIOR TO INSTALLATION.
7.	SIGNAGE ON METAL PANELS TO BE COORDINATED WITH PANEL DESIGN SO PANEL SITS FLUSH OR PARALLEL TO FACE OF THE PANEL. THE SIGN IS MOUNTED.
8.	SEE ELECTRICAL FOR AV & OTHER ROUGH-IN REQUIREMENTS.
9.	SEE INTERIOR ELEVATIONS FOR OTHER AV DEVICE LOCATIONS.
10.	SEE INTERIOR ELEVATIONS FOR ACOUSTICAL PANEL LAYOUT AND POSITIONING.
11.	SEE INTERIOR DETAILS FOR DETAILS AS HOW WALL MOUNTED FIXTURES COORDINATE WITH THE GYM WALL PADDING AND PLYWOOD.
12.	ADD CASE: CARDIAC SCIENCE FR04-0040-20 FULLY RECESSED WITH ALARM, SECURITY ENABLED CABINET.
13.	ALL ITEMS ARE CONTRACTOR FURNISHED & CONTRACTOR INSTALLED. UNO.
14.	ALL FURNITURE SHOWN IS NIC. UNO.
15.	GC TO PAINT ALL EXPOSED ELECTRICAL AND NON ELECTRICAL CONDUIT AND BUILDING STRUCTURE. FLOORS TO BE CHOSEN BY ARCHITECT AND OWNER.

SIGN LEGEND	
ROOM NUMBER	101 - SIGN TYPE
SIGN TYPES BELOW:	
1 -	TYPICAL ROOM
2 -	SPECIALTY ROOM (MAX OCCUPANCY)
ATHLETIC EQUIPMENT LEGEND	
1.	REFER TO SIGNAGE SPECIFICATION SECTION 10 1400



**ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH;  
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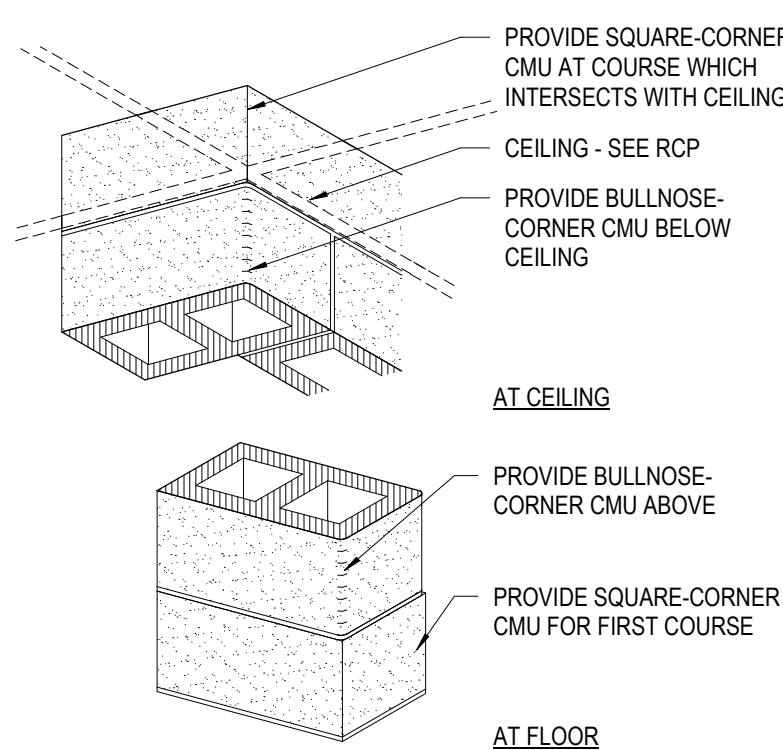
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SHEET TITLE  
FFE FLOOR PLANS

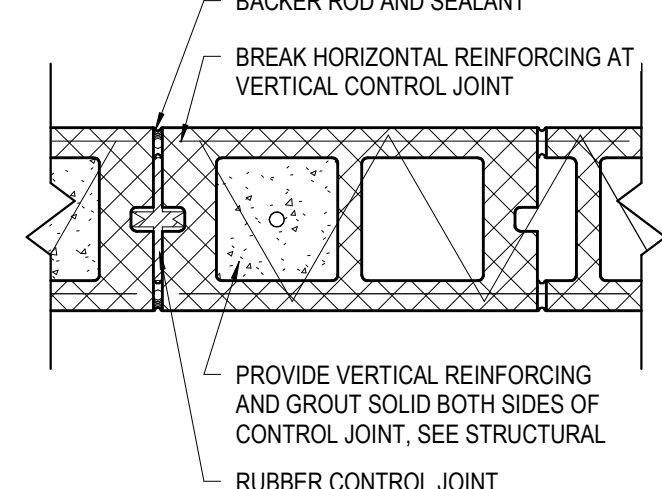
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**A2.21**



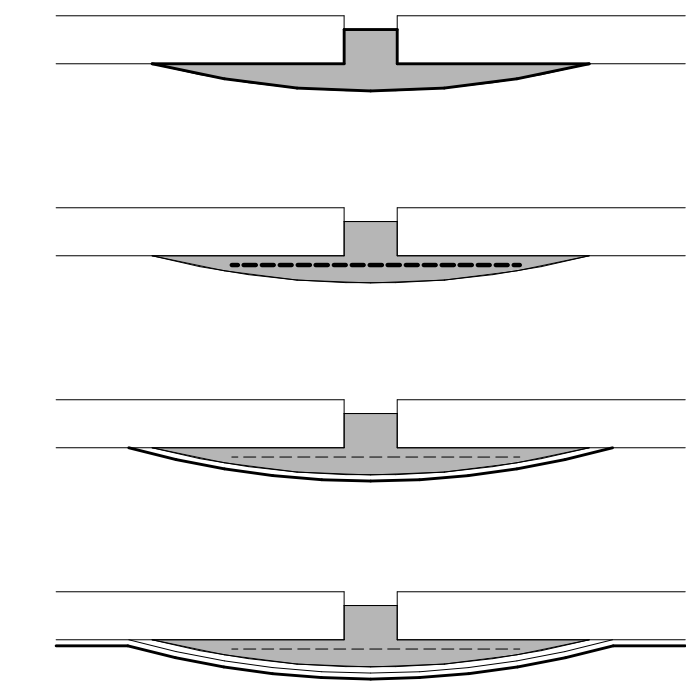
TYPICAL DETAIL AT OUTSIDE CORNERS OF INTERIOR CMU PARTITIONS UNLESS NOTED OTHERWISE



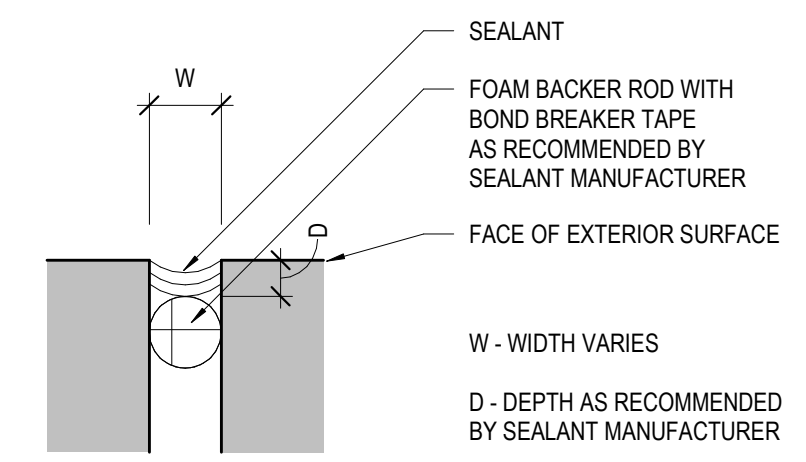
PROVIDE SQUARE-CORNER CMU AT COURSE WHICH INTERSECTS WITH CEILING  
 CEILING - SEE RCP  
 PROVIDE BULLNOSE-CORNER CMU BELOW CEILING  
 AT CEILING  
 PROVIDE BULLNOSE-CORNER CMU ABOVE  
 PROVIDE SQUARE-CORNER CMU FOR FIRST COURSE  
 AT FLOOR



BACKER ROD AND SEALANT  
 BREAK HORIZONTAL REINFORCING AT VERTICAL CONTROL JOINT  
 PROVIDE VERTICAL REINFORCING AND GROUT SOLID BOTH SIDES OF CONTROL JOINT. SEE STRUCTURAL  
 RUBBER CONTROL JOINT



1. FILL JOINT WITH CONTINUOUS BEAD OF POLYURETHANE SEALANT. TROWEL ONTO FACE OF SHEATHING 1/2" BOTH SIDES.  
 2. IMBED REINFORCING MESH  
 3. COVER WITH TOP COAT OF SEALANT  
 4. APPLY CONTINUOUS FLUID APPLIED MEMBRANE AIR BARRIER (FAMAB) AFTER SEALANT HAS CURED



SEALANT  
 FOAM BACKER ROD WITH BOND BREAKER TAPE AS RECOMMENDED BY SEALANT MANUFACTURER  
 FACE OF EXTERIOR SURFACE  
 W - WIDTH VARIES  
 D - DEPTH AS RECOMMENDED BY SEALANT MANUFACTURER

L5 TYPICAL BULLNOSE DETAIL

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

L9 TYP. C.J. INT. CMU WALL

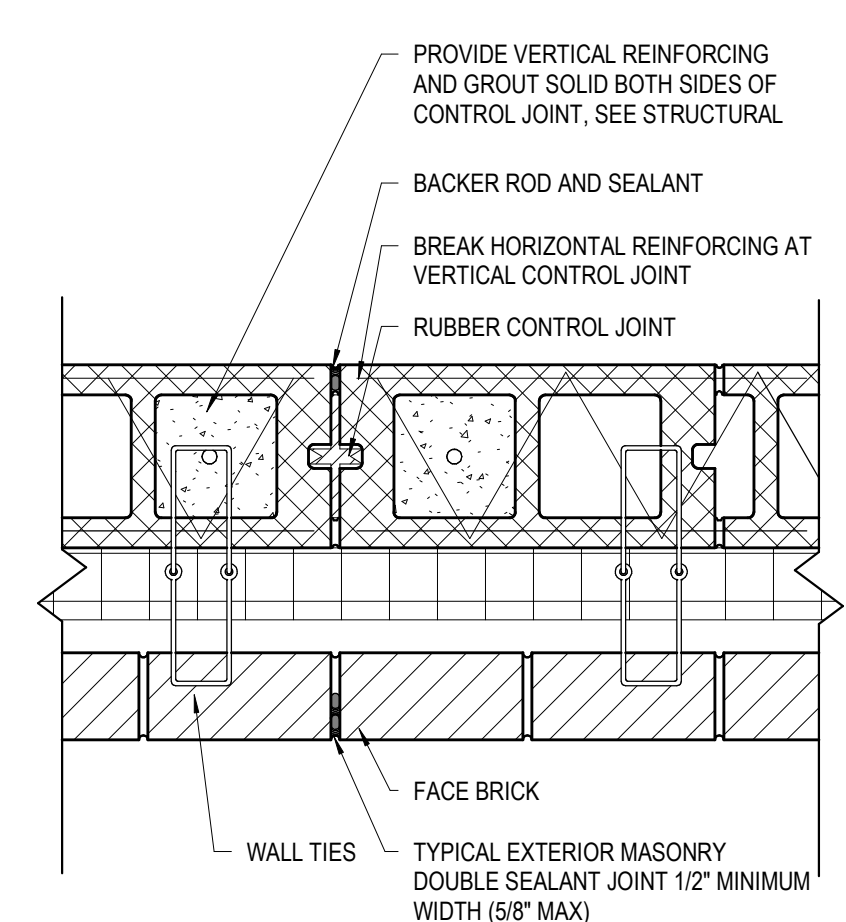
SCALE: 1 1/2" = 1'-0"

L13 TYP. SHEATHING JOINT DETAIL

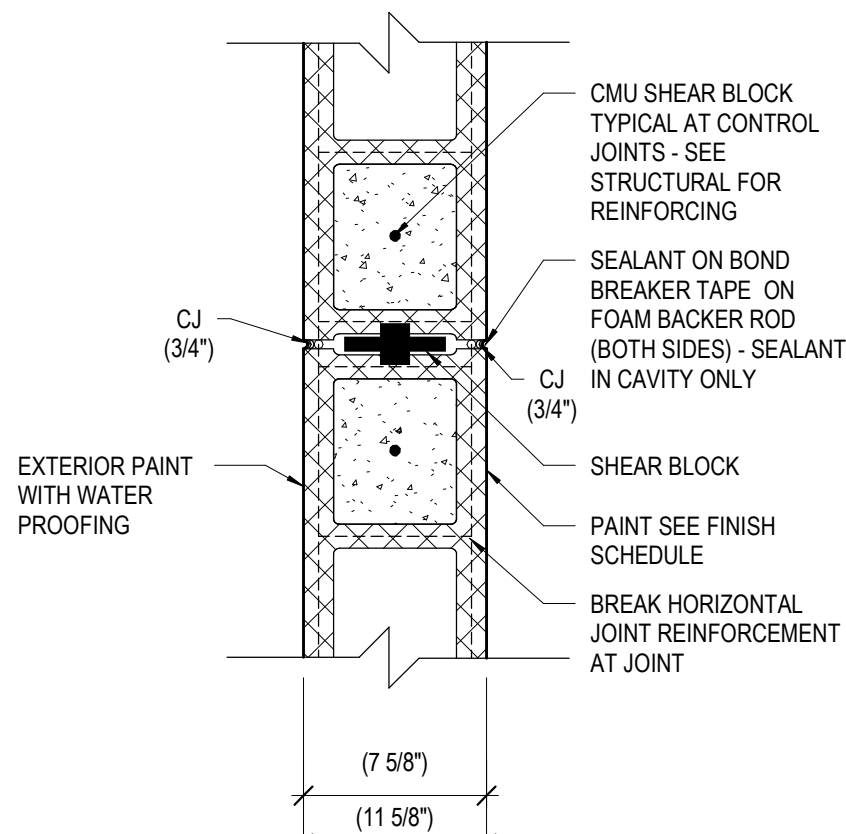
SCALE: 6" = 1'-0"

L16 TYPICAL SEALANT DETAIL

SCALE: 12" = 1'-0"



PROVIDE VERTICAL REINFORCING AND GROUT SOLID BOTH SIDES OF CONTROL JOINT. SEE STRUCTURAL  
 BACKER ROD AND SEALANT  
 BREAK HORIZONTAL REINFORCING AT VERTICAL CONTROL JOINT  
 RUBBER CONTROL JOINT  
 FACE BRICK  
 WALL TIES  
 TYPICAL EXTERIOR MASONRY DOUBLE SEALANT JOINT 1/2" MINIMUM WIDTH (5/8" MAX)



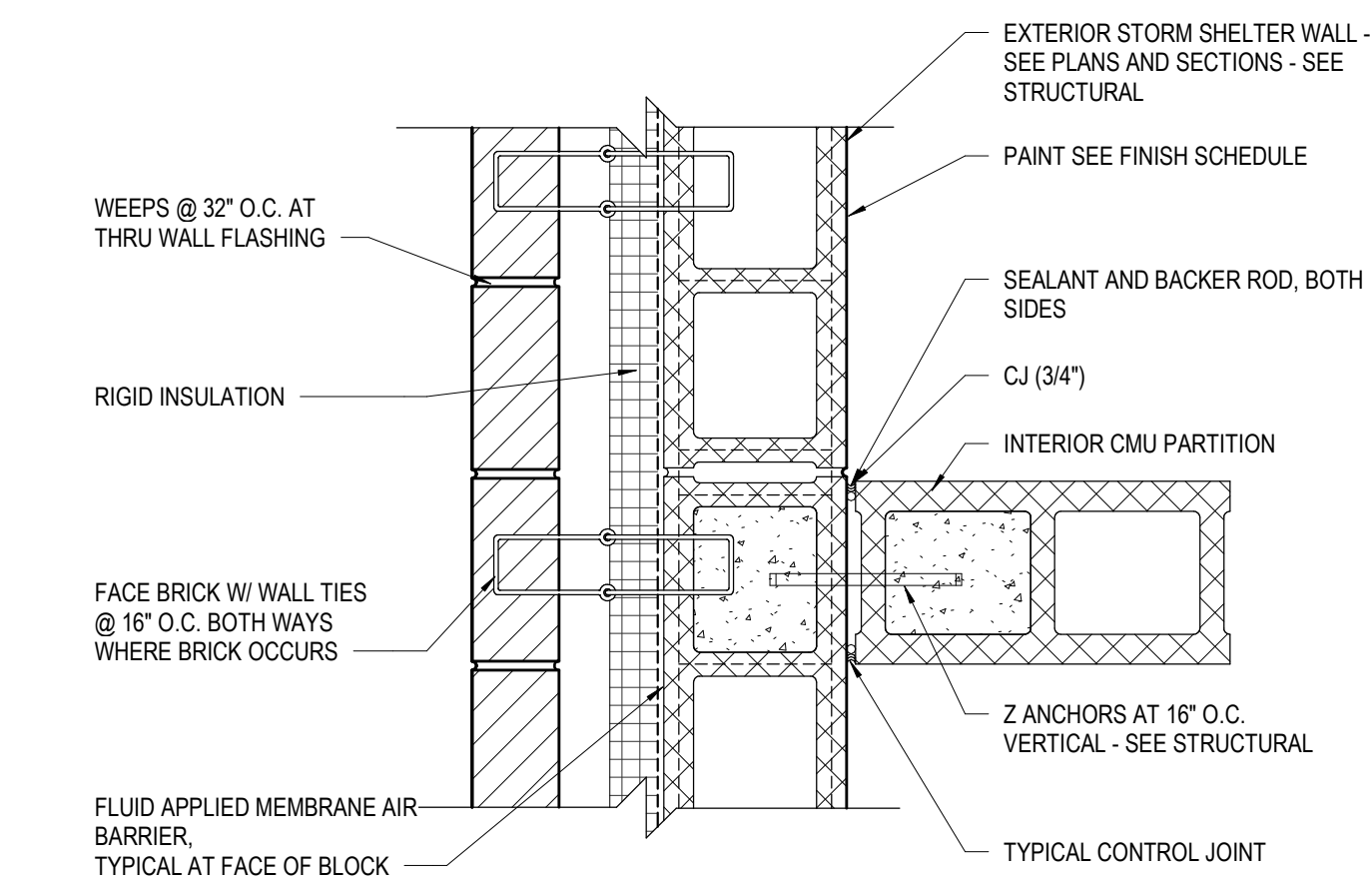
CMU SHEAR BLOCK TYPICAL AT CONTROL JOINTS - SEE STRUCTURAL FOR REINFORCING  
 SEALANT ON BOND BREAKER TAPE ON FOAM BACKER ROD (BOTH SIDES) - SEALANT IN CAVITY ONLY  
 SHEAR BLOCK  
 PAINT SEE FINISH SCHEDULE  
 BREAK HORIZONTAL JOINT REINFORCEMENT AT JOINT  
 EXTERIOR PAINT WITH WATER PROOFING  
 (7 5/8")  
 (11 5/8")

G5 TYPICAL C.J. @ EXT. WALL & CMU BACKUP

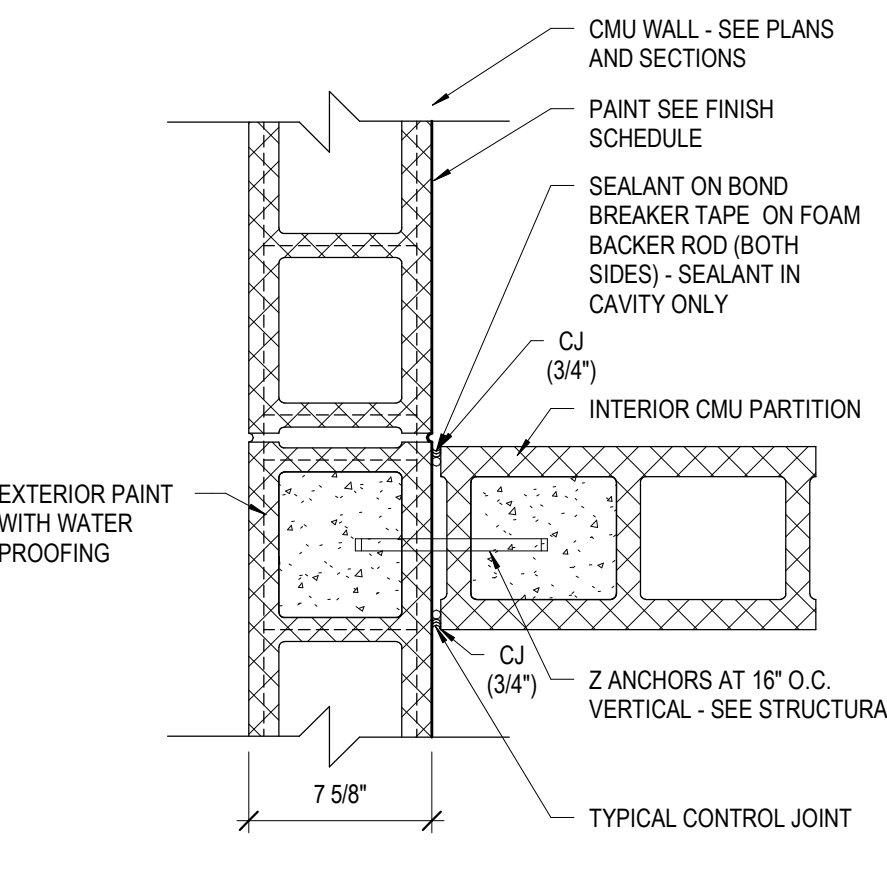
SCALE: 1 1/2" = 1'-0"

G9 TYPICAL C.J. @ BEARING WALL

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



EXTERIOR STORM SHELTER WALL - SEE PLANS AND SECTIONS - SEE STRUCTURAL  
 PAINT SEE FINISH SCHEDULE  
 WEEPS @ 32" O.C. AT THRU WALL FLASHING  
 RIGID INSULATION  
 SEALANT AND BACKER ROD, BOTH SIDES  
 CJ (3/4")  
 INTERIOR CMU PARTITION  
 FACE BRICK W/ WALL TIES @ 16" O.C. BOTH WAYS WHERE BRICK OCCURS  
 FLUID APPLIED MEMBRANE AIR BARRIER TYPICAL AT FACE OF BLOCK  
 Z ANCHORS AT 16" O.C. VERTICAL - SEE STRUCTURAL  
 TYPICAL CONTROL JOINT



CMU WALL - SEE PLANS AND SECTIONS  
 PAINT SEE FINISH SCHEDULE  
 SEALANT ON BOND BREAKER TAPE ON FOAM BACKER ROD (BOTH SIDES) - SEALANT IN CAVITY ONLY  
 CJ (3/4")  
 INTERIOR CMU PARTITION  
 Z ANCHORS AT 16" O.C. VERTICAL - SEE STRUCTURAL  
 TYPICAL CONTROL JOINT  
 EXTERIOR PAINT WITH WATER PROOFING  
 7 5/8"

D5 TYP. C.J. INT. & EXT. WALL & CMU BACKUP

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

D9 TYPICAL C.J. @ INT. BEARING @ CMU INTERSECTION

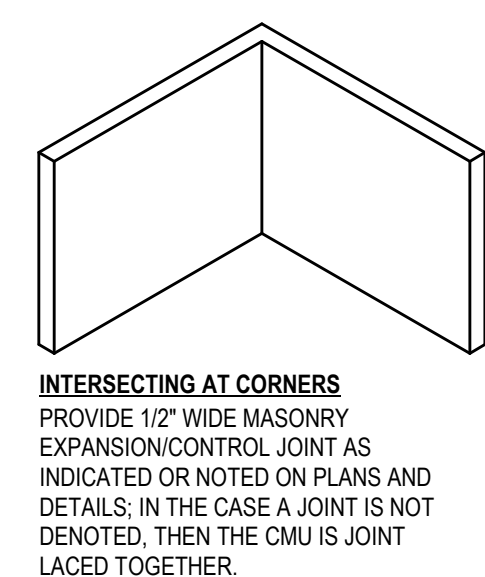
SCALE: 1 1/2" = 1'-0"

D13 TYPICAL CMU JOINT CONDITIONS

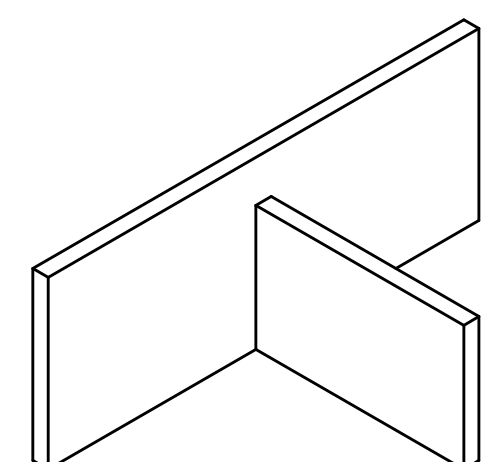
SCALE: 1/8" = 1'-0"

**GENERAL MASONRY NOTE:**

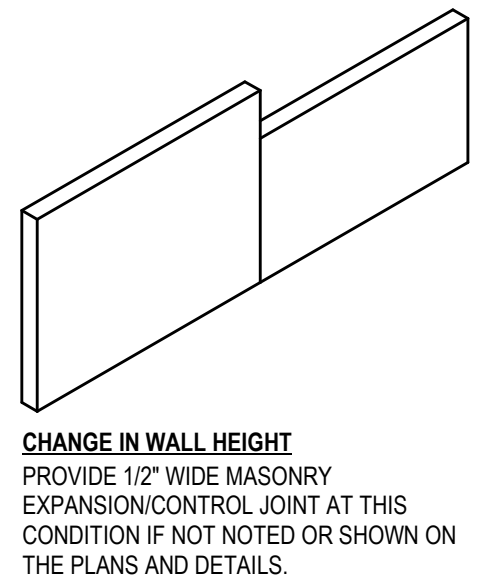
- THE ABOVE DRAWINGS REFLECT MANY OF THE CMU WALL CONDITIONS ENCOUNTERED WITHIN THIS PROJECT.
- WHILE SOME CONDITIONS ARE INDICATED WITHIN DETAILS AND/OR INDICATED ON PLANS ('C1'), SOME OF THE CONDITIONS SHOWN ABOVE ARE TYPICAL AND ARE TO BE CONSTRUCTED AS SHOWN AND NOTED ABOVE WHEN THAT PARTICULAR CONDITION IS ENCOUNTERED.
- HORIZONTAL JOINT REINFORCING DOES NOT CONTINUE THROUGH JOINTS.
- REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCING REQUIREMENTS.
- SEE DETAILS THIS SHEET FOR TYPICAL MASONRY JOINT DETAILS.



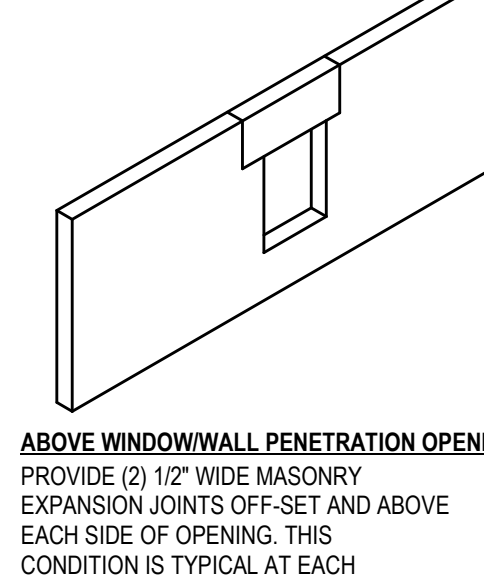
**INTERSECTING AT CORNERS**  
 PROVIDE 1/2" WIDE MASONRY EXPANSION/CONTROL JOINT AS INDICATED OR NOTED ON PLANS AND DETAILS. IN THE CASE A JOINT IS NOT DENOTED, THEN THE CMU IS JOINT LACED TOGETHER.



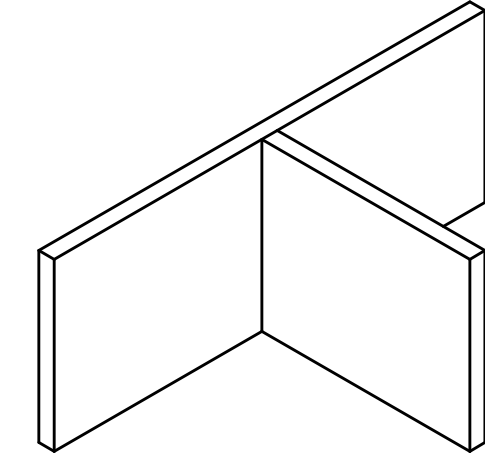
**INTERSECTING AT DIFFERENT HEIGHTS**  
 PROVIDE 1/2" WIDE MASONRY EXPANSION/CONTROL JOINT AT THIS CONDITION IF NOT NOTED OR SHOWN ON THE PLANS AND DETAILS.



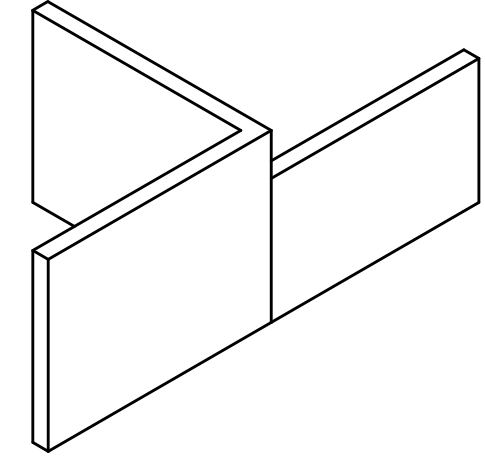
**CHANGE IN WALL HEIGHT**  
 PROVIDE 1/2" WIDE MASONRY EXPANSION/CONTROL JOINT AT THIS CONDITION IF NOT NOTED OR SHOWN ON THE PLANS AND DETAILS.



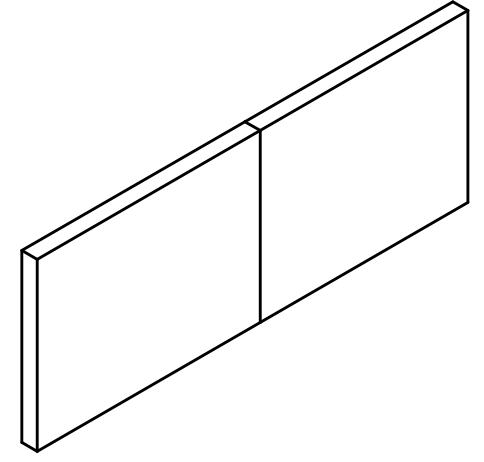
**ABOVE WINDOW/WALL PENETRATION OPENINGS**  
 PROVIDE (2) 1/2" WIDE MASONRY EXPANSION JOINTS OFF-SET AND ABOVE EACH SIDE OF OPENING. THIS CONDITION IS TYPICAL AT EACH OPENING OCCURRING IN CMU WALLS.



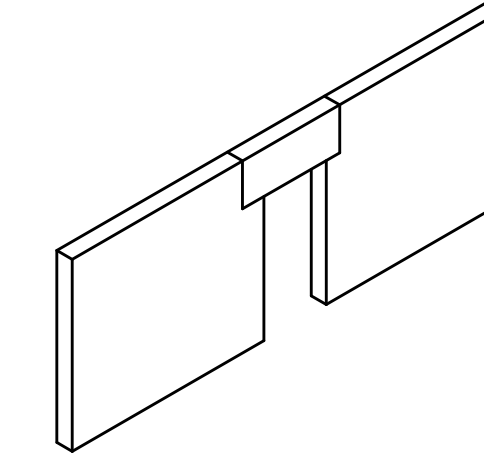
**INTERSECTING AT SAME HEIGHT**  
 PROVIDE 1/2" WIDE MASONRY EXPANSION/CONTROL JOINT AS INDICATED OR NOTED ON PLANS AND DETAILS. IN THE CASE A JOINT IS NOT DENOTED, THEN THE CMU IS JOINT LACED TOGETHER.



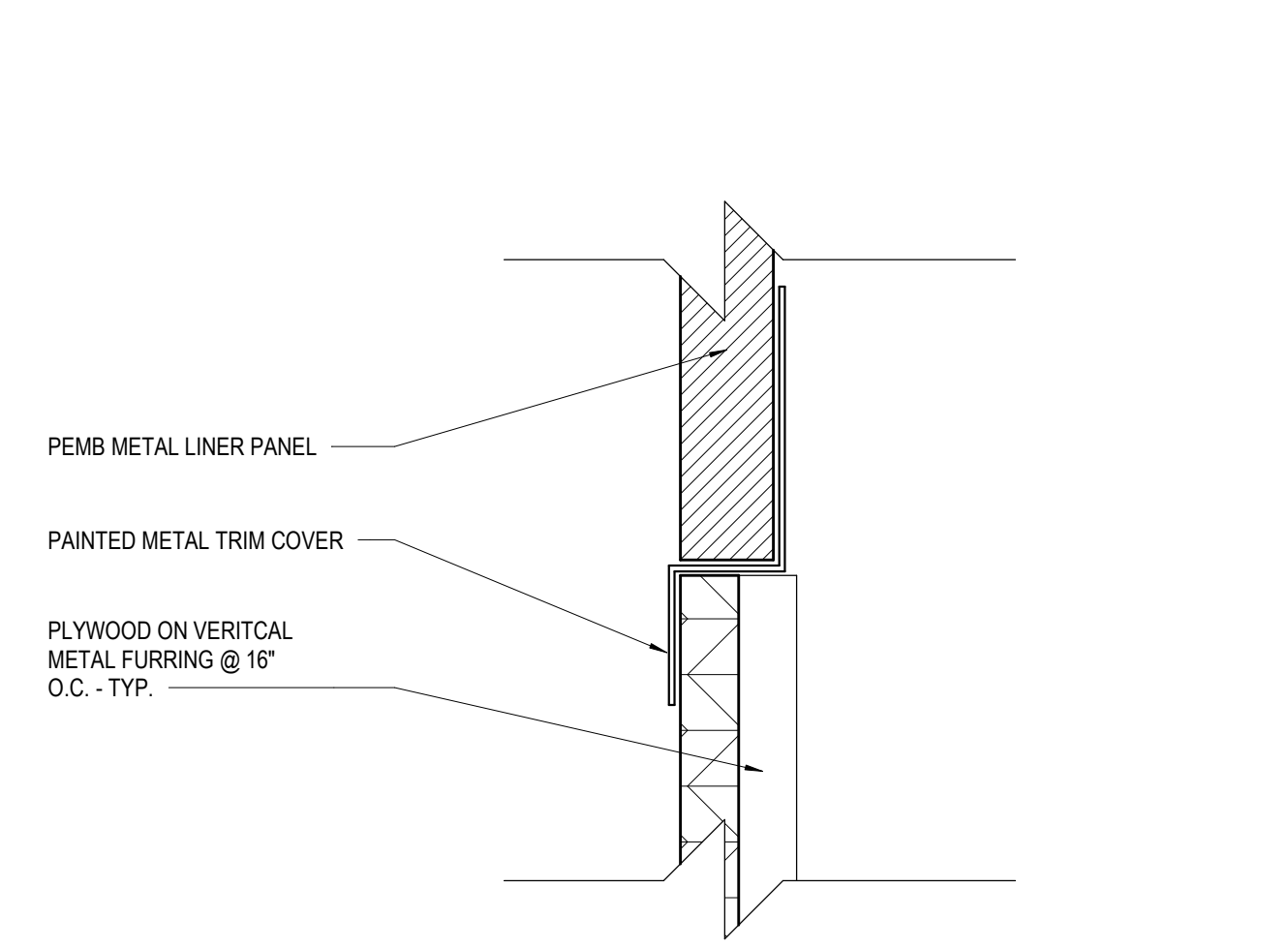
**CORNER INTERSECTION AT DIFFERENT HEIGHTS**  
 PROVIDE 1/2" WIDE MASONRY EXPANSION/CONTROL JOINT AT THIS CONDITION IF NOT NOTED OR SHOWN ON THE PLANS AND DETAILS.



**STRAIGHT RUN WALLS**  
 PROVIDE 1/2" WIDE MASONRY EXPANSION/CONTROL JOINT AS INDICATED OR NOTED ON PLANS AND DETAILS. IN NO CASE IS A SINGLE RUN OF CMU WALL TO EXTEND BEYOND 24 FEET WITHOUT RECEIVING A MASONRY EXPANSION/CONTROL JOINT.



**ABOVE DOOR OPENINGS**  
 PROVIDE (2) 1/2" WIDE MASONRY EXPANSION JOINTS OFF-SET AND ABOVE EACH SIDE OF DOOR JAMB OPENING. THIS CONDITION IS TYPICAL AT EACH DOOR OR OPENING OCCURRING IN CMU WALLS.

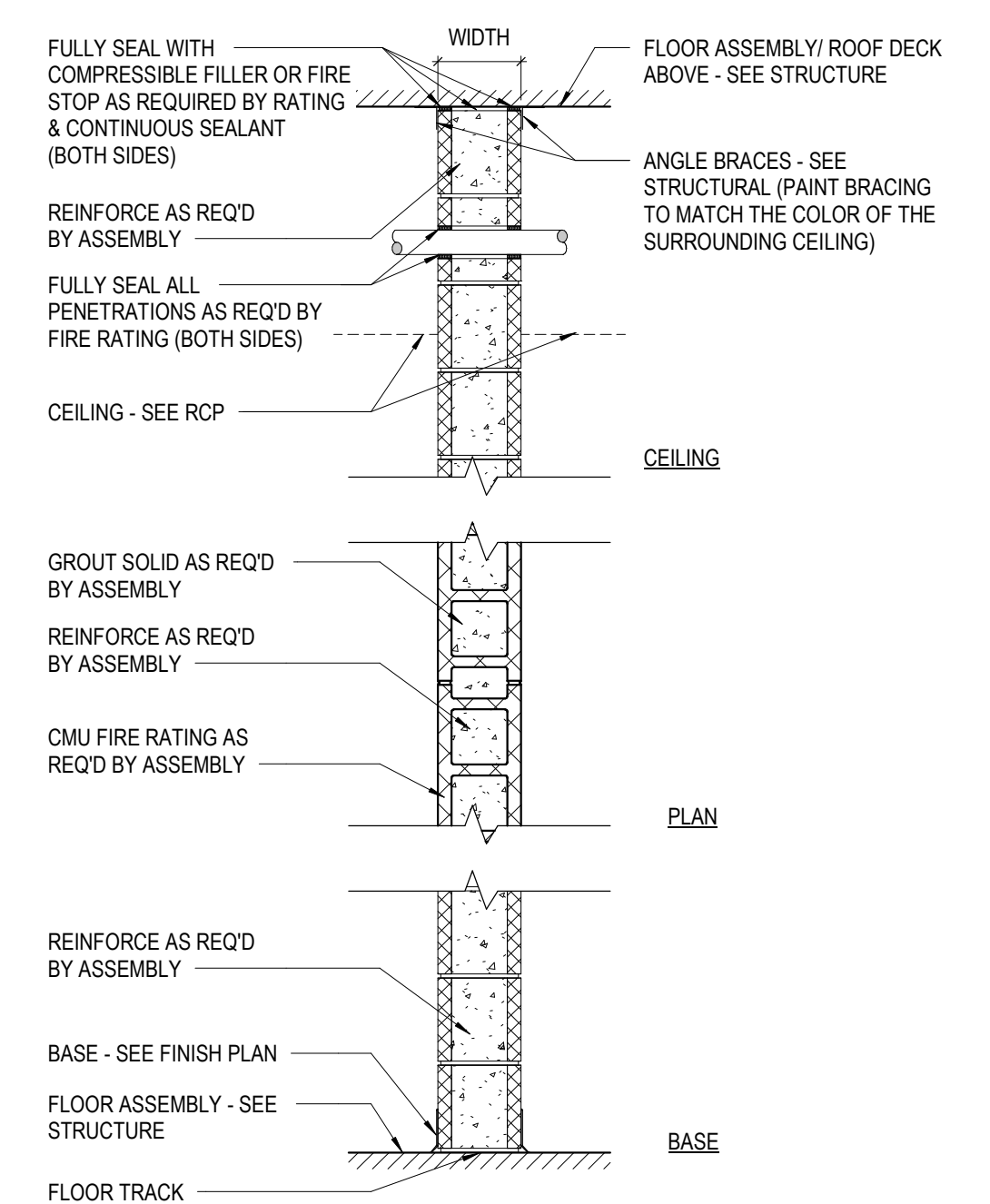


A1 LINER PANEL TRANSITION TO PLYWOOD

SCALE: 6" = 1'-0"

**PARTITION TYPE M**

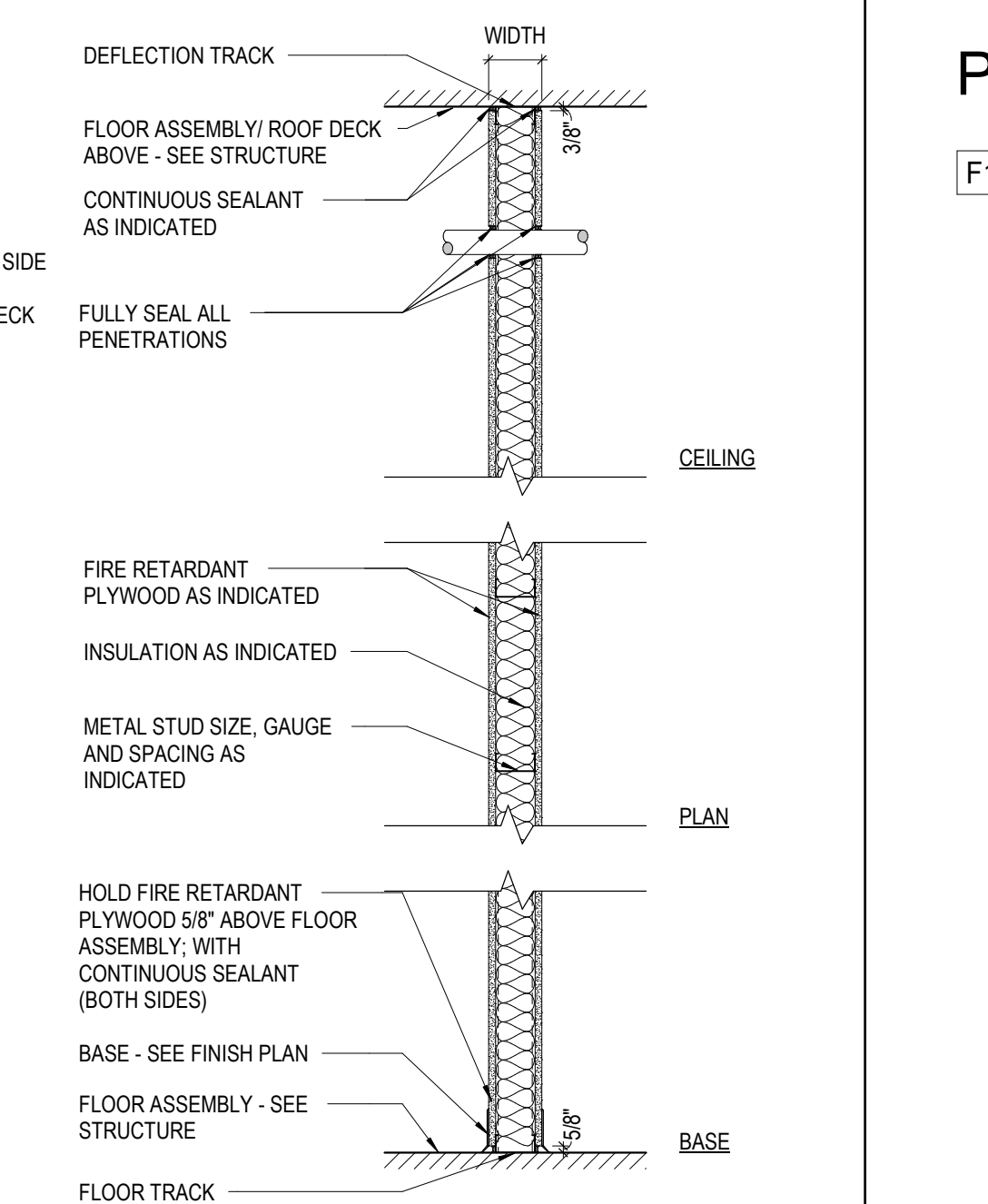
M1	WIDTH	RATING	ULF	STCF
	7'-5/8"	N/A	N/A	N/A
	8" NOM CMU NON-STRUCTURAL PARTITION HORIZONTAL JOINT REINFORCING @ 16" O.C. VERT. EXTEND TO STRUCTURE ABOVE			
M2	WIDTH	RATING	ULF	STCF
	11'-5/8"	N/A	N/A	N/A
	SIMILAR TO M1 STRUCTURAL PARTITION			



PROVIDE BULLNOSE CMU AT JAMBS OF ALL CMU MASONRY OPENINGS NOT OTHERWISE FULLY ENCLOSED BY HOLLOW METAL DOOR FRAMES. BOTTOM COURSE TO HAVE SQUARE CORNER.

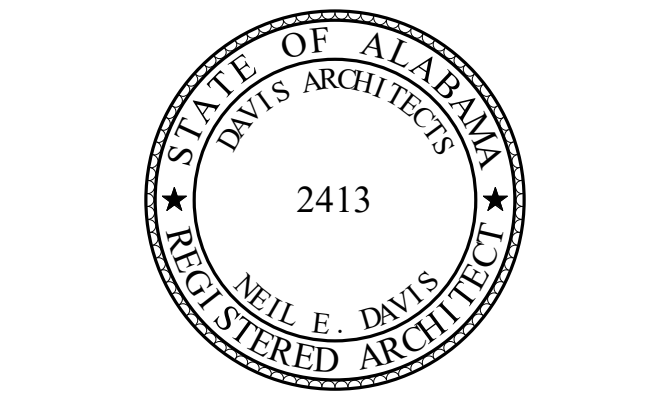
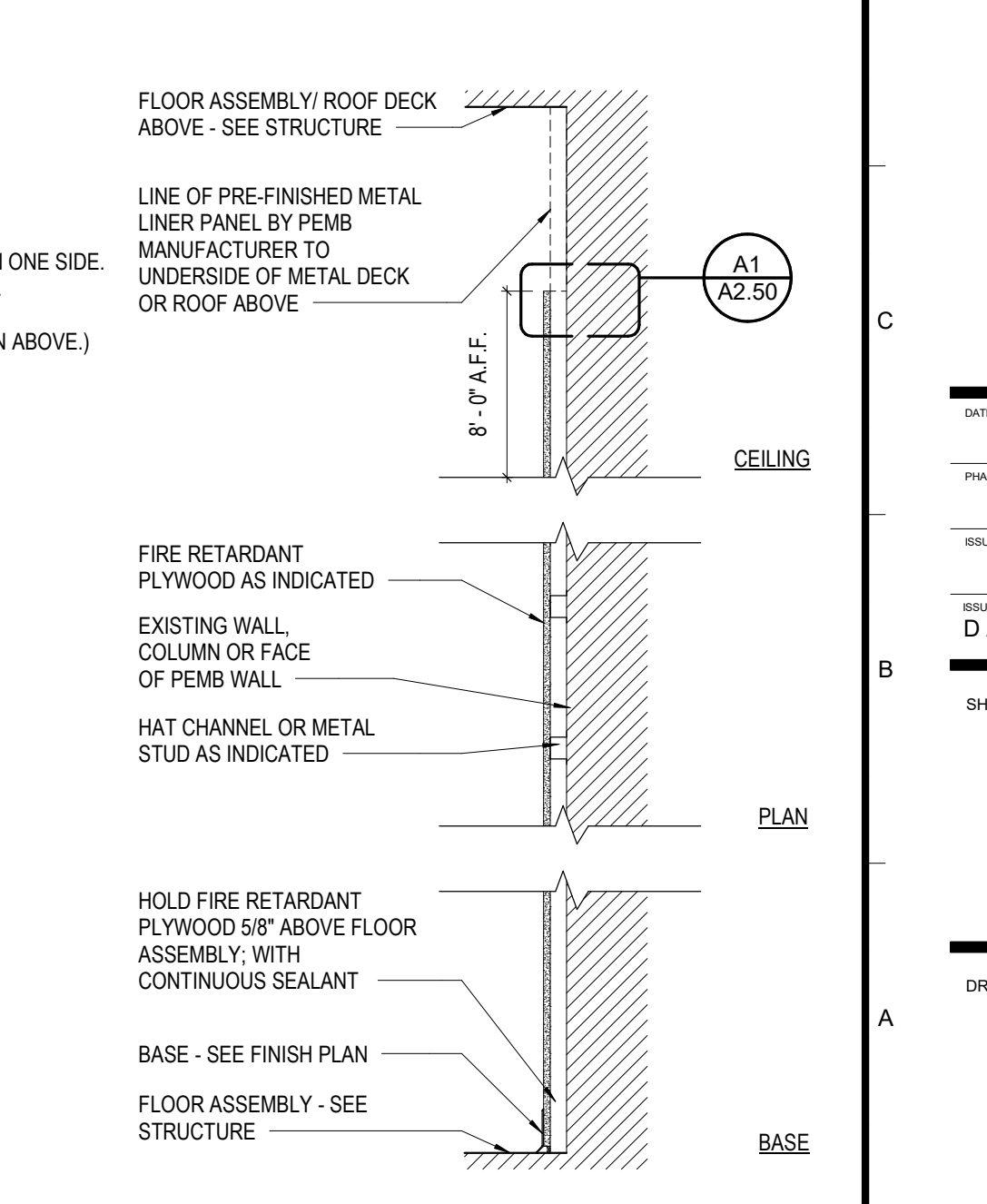
**PARTITION TYPE P**

P1	WIDTH	RATING	ULF	STCF
	7'-1/4"	N/A	N/A	#F
	6 X 20 GA METAL STUDS @ 16" O.C. ONE (1) LAYER 3/4" FIRE RETARDANT PLYWOOD EACH SIDE 5" SAFB INSULATION EXTEND TO UNDERSIDE OF EQUIPMENT PLATFORM DECK			



**PARTITION TYPE F**

F1	WIDTH	RATING	ULF	STCF
	1'-1/2"	N/A	N/A	N/A
	1 1/2" HAT CHANNEL @ 24" O.C. ONE (1) LAYER OF 3/4" FIRE RETARDANT PLYWOOD ON ONE SIDE. TERMINATE FIRE RETARDANT PLYWOOD AT 8'-0" A.F.F. (PARTITION TYPE OCCURS AT LEVEL 1 ONLY). (PEMB LINER PANELS TO UNDERSIDE OF ROOF PURLIN ABOVE.)			



**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH ; ORANGE BEACH, AL



**OWNER**  
 CITY OF ORANGE BEACH  
 PO BOX 458  
 ORANGE BEACH, ALABAMA 36561  
 251-981-6979  
 ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
 MCCOLLOUGH ARCHITECTURE  
 4750 MAIN ST #209  
 ORANGE BEACH, AL 36561  
 251-988-7222  
 ATTN: STED MCCOLLOUGH

**ARCHITECT**  
 DAVIS ARCHITECTS, INC.  
 120 23RD STREET SOUTH  
 BIRMINGHAM, AL 35233  
 205-322-7482  
 ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
 SAWGRASS CONSULTING, LLC  
 11143 OLD HIGHWAY 31  
 SPANISH FORT, AL 36527  
 251-544-7900  
 ATTN: ERLC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
 MBA ENGINEERS  
 300 20TH ST. N., SUITE 100  
 BIRMINGHAM, AL 35203  
 205-323-5385  
 ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
 GULF STATES ENGINEERING  
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 MOBILE, AL 36609  
 251-460-4648  
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**ELECTRICAL ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

DATE: 2-18-2019

PROJECT: 100% CONSTRUCTION DOCUMENTS

ISSUED FOR: PROJECT NO: 3891.01

DESIGNED BY: DAVIS ARCHITECTS

SHEET TITLE: PARTITION SCHEDULE

DRAWING NO.:

**A2.50**



DOOR SCHEDULE

DOOR NO.	TYPE	DOOR				FIRE RATING	HARDWARE	FRAME					COMMENTS
		WIDTH	HEIGHT	MATERIAL	FINISH			TYPE	MATERIAL	FINISH	JAMB	HEAD	
001	HMSI-2	6' - 4"	7' - 0"	HMI	PT	-	01	F-1/F-2	HMI	PT	D14/A2.60	A14/A2.60	1,4,8
001A	HMS-2	6' - 4"	7' - 0"	HM	PT	-	02	F-1/F-2	HM	PT	D10/A2.60	A10/A2.60	5
001B	HMSI-2	6' - 4"	7' - 0"	HMI	PT	-	01	F-1/F-2	HMI	PT	D14/A2.60	A14/A2.60	1,4,5,8
002	HMS-2	6' - 0"	7' - 0"	HM	PT	-	04	F-1/F-2	HM	PT	D10/A2.60	A10/A2.60	5
002A	HMS-2	6' - 0"	7' - 0"	HM	PT	-	04	F-1/F-2	HM	PT	D10/A2.60	A10/A2.60	5
003	HMSI-2	6' - 4"	7' - 0"	HMI	PT	-	03	F-1/F-2	HMI	PT	D14/A2.60	A14/A2.60	1,3,5,7,8
004	HMS-3	3' - 0"	7' - 0"	HM	PT	-	06	F-1/F-2	HM	PT	D10/A2.60	A10/A2.60	2,6
005	HMS-3	3' - 0"	7' - 0"	HM	PT	-	06	F-1/F-2	HM	PT	D10/A2.60	A10/A2.60	2,6

DOOR SCHEDULE COMMENTS

- CLOSER(WHOLD OPEN)
- CLOSER(W/OULT HOLD OPEN)
- PANIC DEVICE
- PANIC DEVICE WITH BATTERY POWERED AUDIBLE ALARM
- WOOD TRIM AROUND FRAME
- 24" X 24" FIXED LOUVER IN DOOR PANEL
- NO CENTER MULLION
- WIND PROJECTILE RESISTANT DOORS AND FRAME

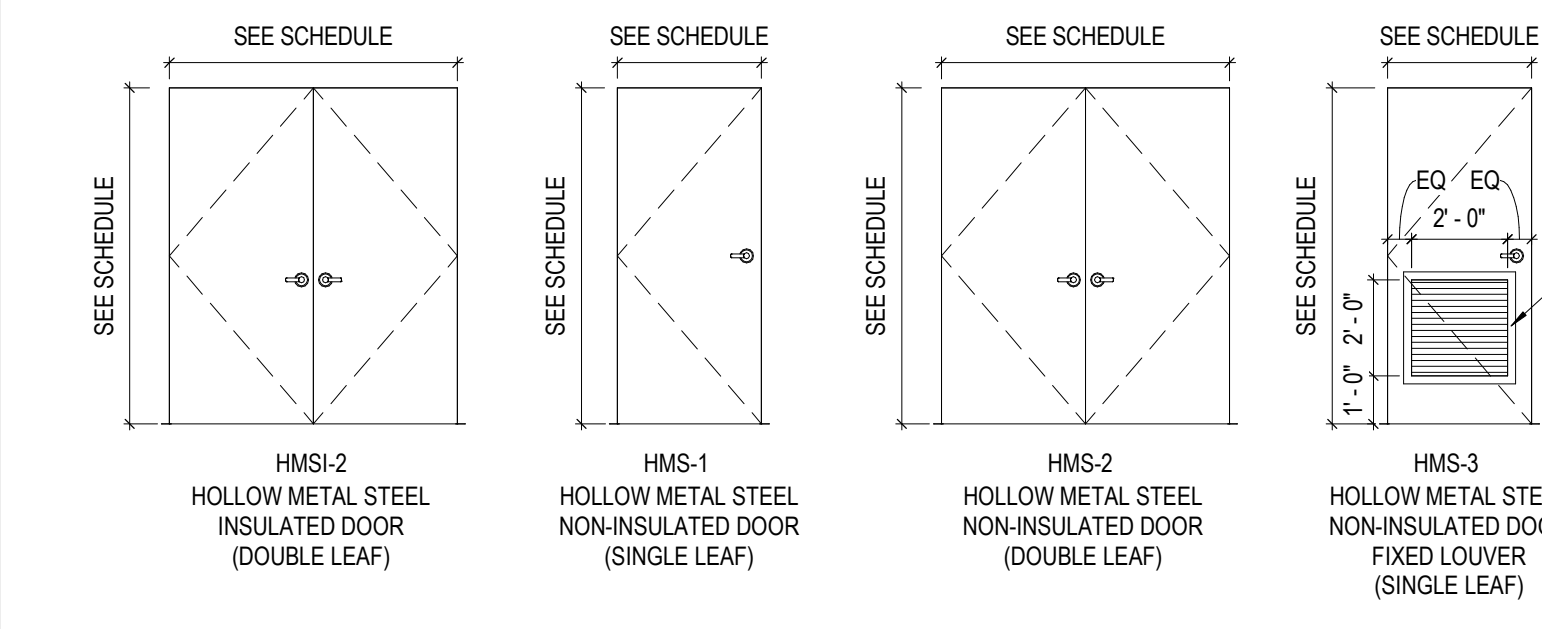
DOOR SCHEDULE MATERIALS LEGEND

- HMS HOLLOW METAL STEEL  
HMSI HOLLOW METAL INSULATED STEEL  
PT PAINTED

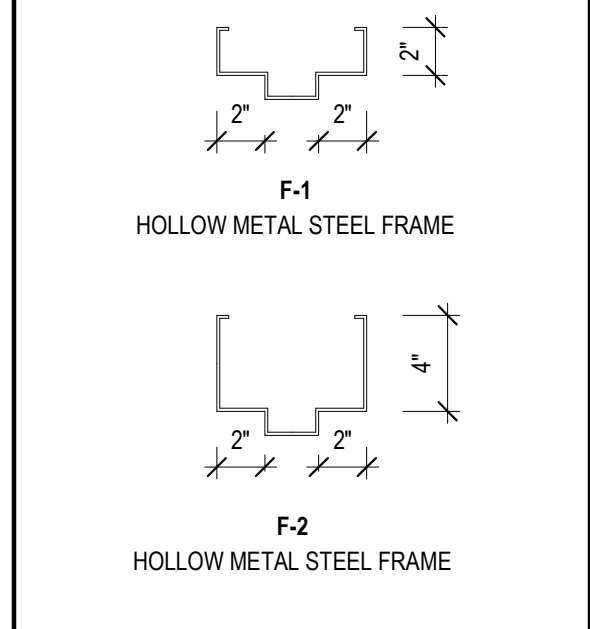
DOOR SCHEDULE - NOTES

- GENERAL CONTRACTORS MUST PROVIDE BOTH KEYS AND CYLINDER TYPES THAT MATCH THE EXISTING KEYING SYSTEM FOR THE EXISTING CAMPUS.
- GC TO COORDINATE WITH THE OWNERS EXISTING KEYING SYSTEM AND EXISTING BIT LIST.
- COVER AND PROTECT ALL NEW DOOR(S) AND/OR FRAME(S) THAT CONTAIN U.L. LISTING MARKER PLATES.
- IF A U.L. LISTING MARKER IS PAINTED OVER, DAMAGED, OR REMOVED DURING CONSTRUCTION THE ENTIRE DOOR MUST BE REPLACED AT THE EXPENSE OF THE G.C. NOT THE OWNER. (THE INSTALLATION WILL ALSO INCLUDE ANY DEMOLITION, PATCHING, PAINTING, ETC... TO THE SURROUNDING FINISHES THAT MAY BECOME DAMAGED BY THE REMOVAL/REPLACEMENT OF THE DOOR OR DOOR FRAME. THE U.L. LISTING MARKER PLATE MUST BE UNCOVERED, UNPAINTED AND VISIBLE FOR INSPECTION.
- DOOR HARDWARE SET SCHEDULED CAN BE REFERENCED IN THE HARDWARE SPECIFICATION.
- SEE PLANS FOR GATE LOCATION(S)
- GC MUST ENSURE DOORS MEET AND EXCEED LOCAL ORDINANCE REQUIREMENTS FOR COASTAL AREA PRIOR TO SUBMITTING SHOP DRAWINGS TO ARCHITECT FOR REVIEW.

DOOR PANEL TYPE(S)



FRAME TYPE PROFILES



OPENING SCHEDULE

DOOR NO.	TYPE	MATERIAL	CLEAR OPENING DIMENSIONS		COMMENTS
			CLEAR WIDTH	CLEAR HEIGHT	
001Q	OP	CMU	6' - 8"	7' - 4"	

OPENING SCHEDULE - COMMENTS

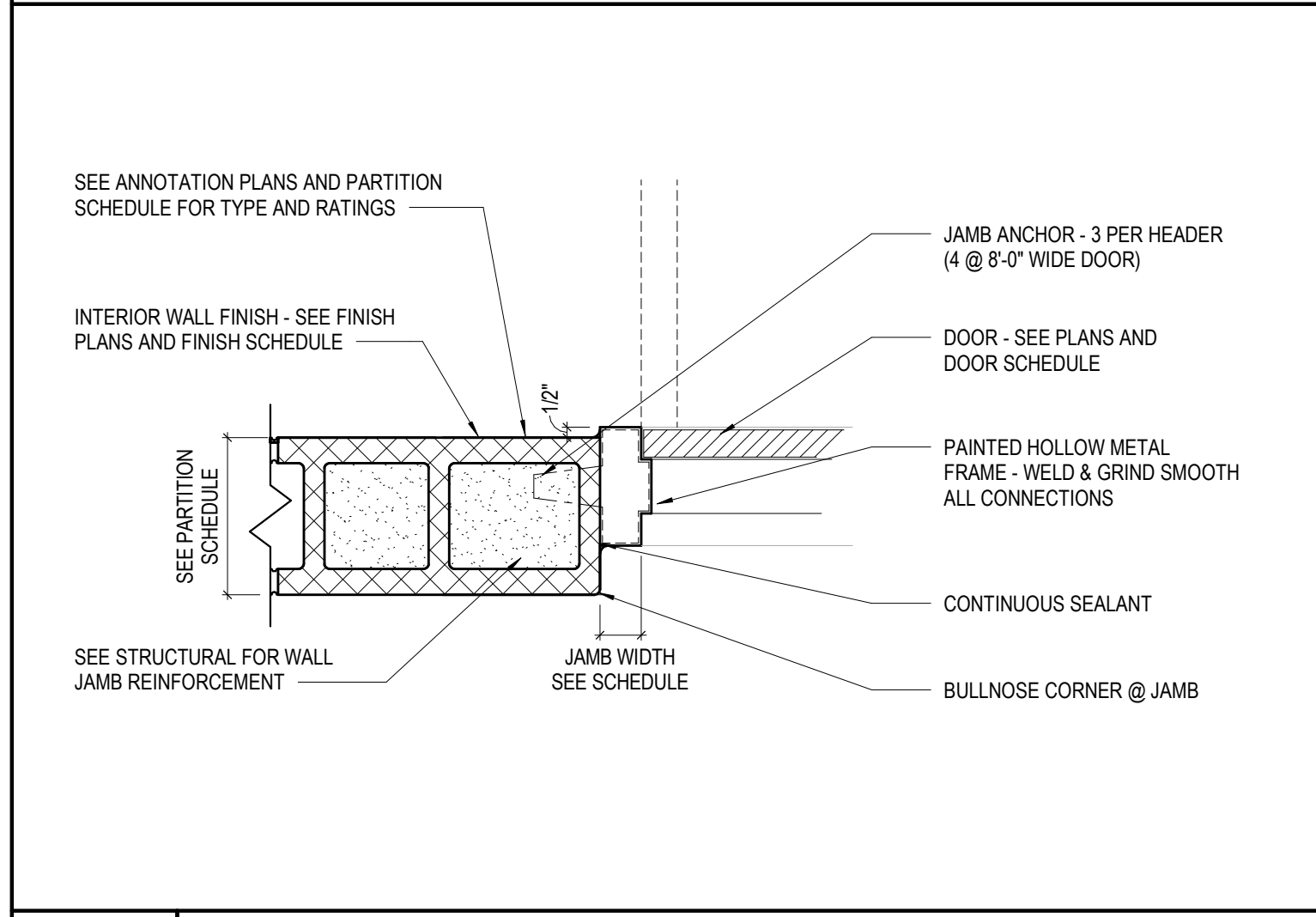
- NONE

OPENING SCHEDULE - MATERIALS LEGEND

- CMU CONCRETE MASONRY UNIT

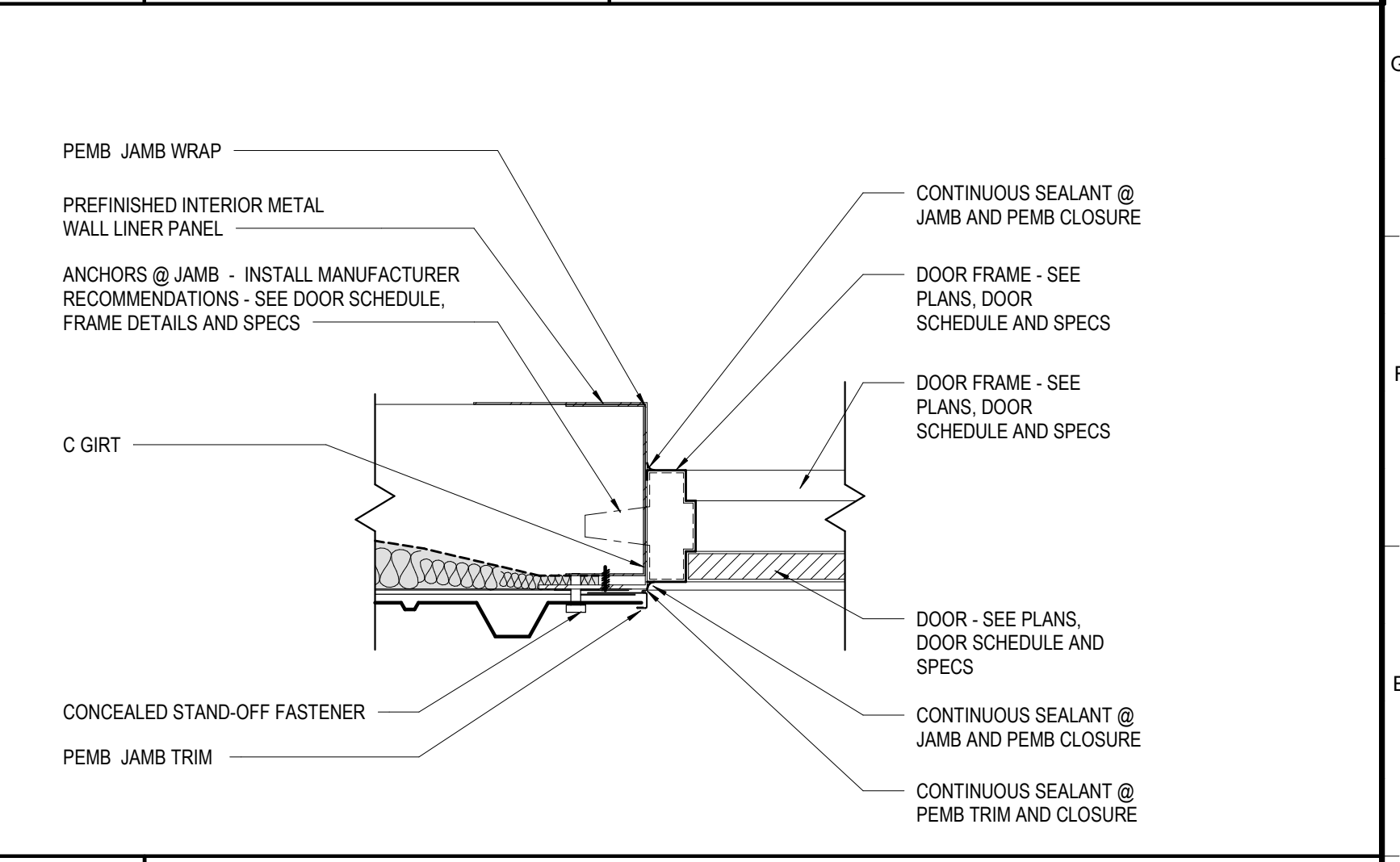
OPENING SCHEDULE - NOTES

- GENERAL NOTES:
- SEE TYPICAL CMU DETAILS ON ARCHITECTURAL AND STRUCTURAL DRAWINGS.
  - DIMENSIONS ARE BASED ON CLEAR OPENING.
  - PRIOR TO CONSTRUCTION VERIFY CONTROL JOINTS AND EXPANSION JOINTS LOCATIONS AS REQUIRED PER ARCHITECTURAL TYPICAL CMU CONDITIONS AND STRUCTURAL DETAILING.
  - SEE STRUCTURAL FOR ALL STRUCTURAL REINFORCEMENT REQUIREMENTS.
  - SEE STRUCTURAL FOR INTEL, BEARING AND FOOTING DESIGN/REQUIREMENTS



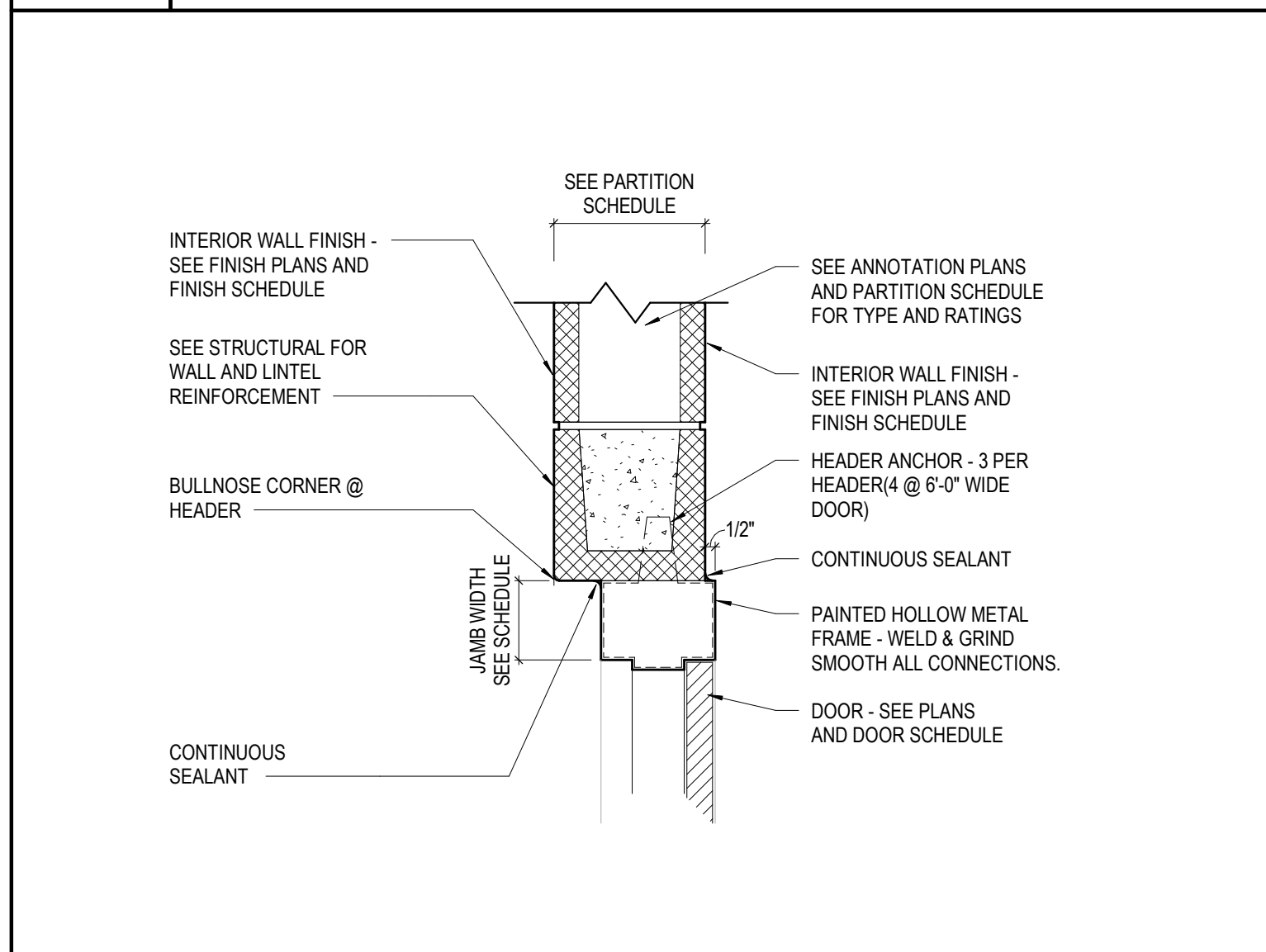
D10 INTERIOR CMU JAMB DETAIL @ TYPICAL DOOR

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



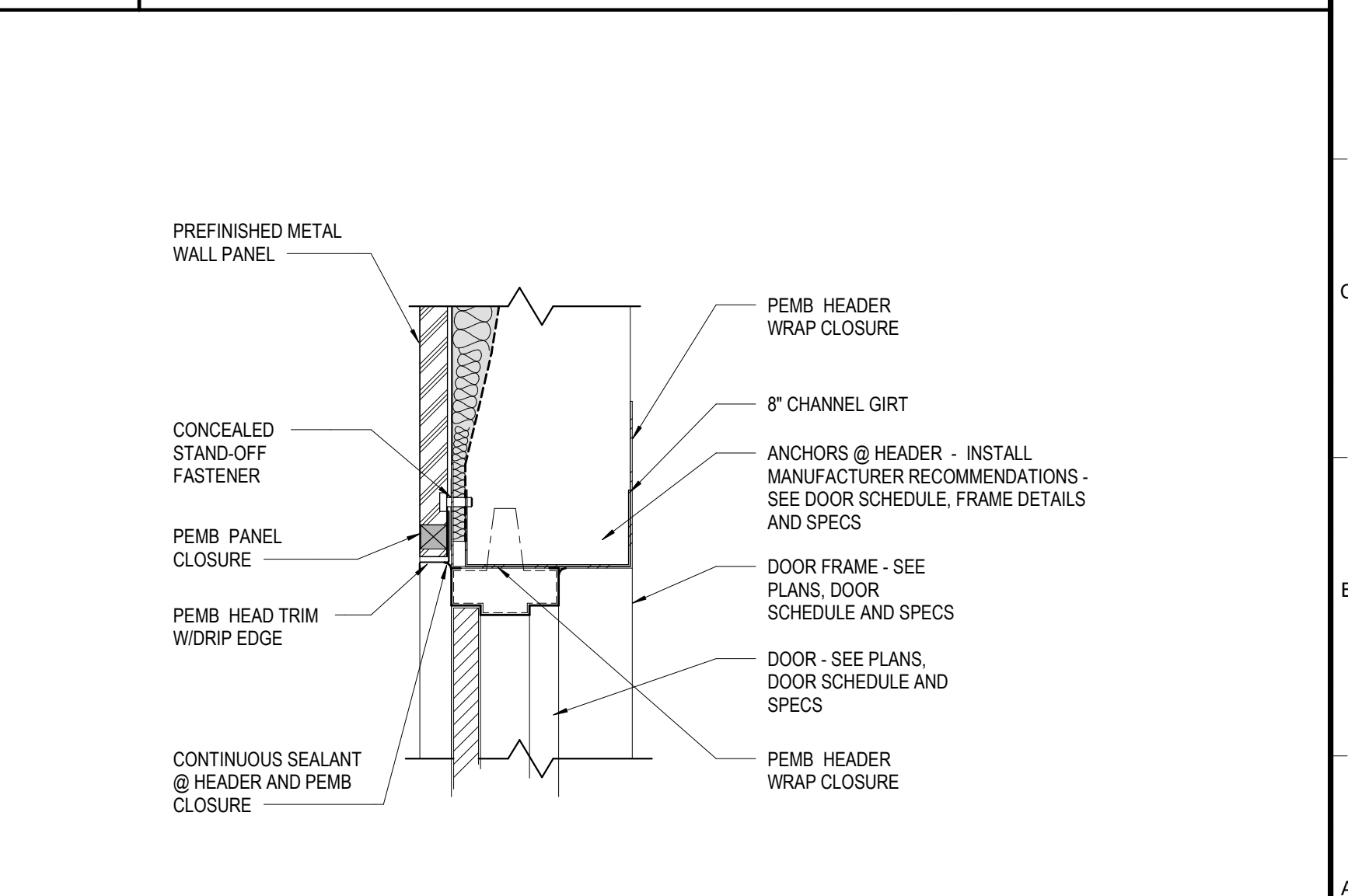
D14 PEMB JAMB OPENING DETAIL @ DOOR

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



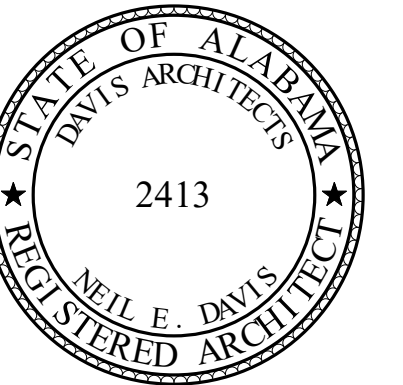
A10 INTERIOR CMU HEAD DETAIL @ TYPICAL DOOR

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



A14 PEMB HEADER OPENING DETAIL @ DOOR

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



ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM



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ATTN: KEN GRIMES, JR.

ASSOCIATE ARCHITECT  
MCCOLLUGH ARCHITECTURE  
4790 MAIN ST #205  
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MSA ENGINEERS  
300 20TH ST. N., SUITE 100  
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205-323-6385  
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MECHANICAL / PLUMBING ENGINEER  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
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REV DATE DESCRIPTION

DATE 2-18-2019

SCALE 100% CONSTRUCTION DOCUMENTS

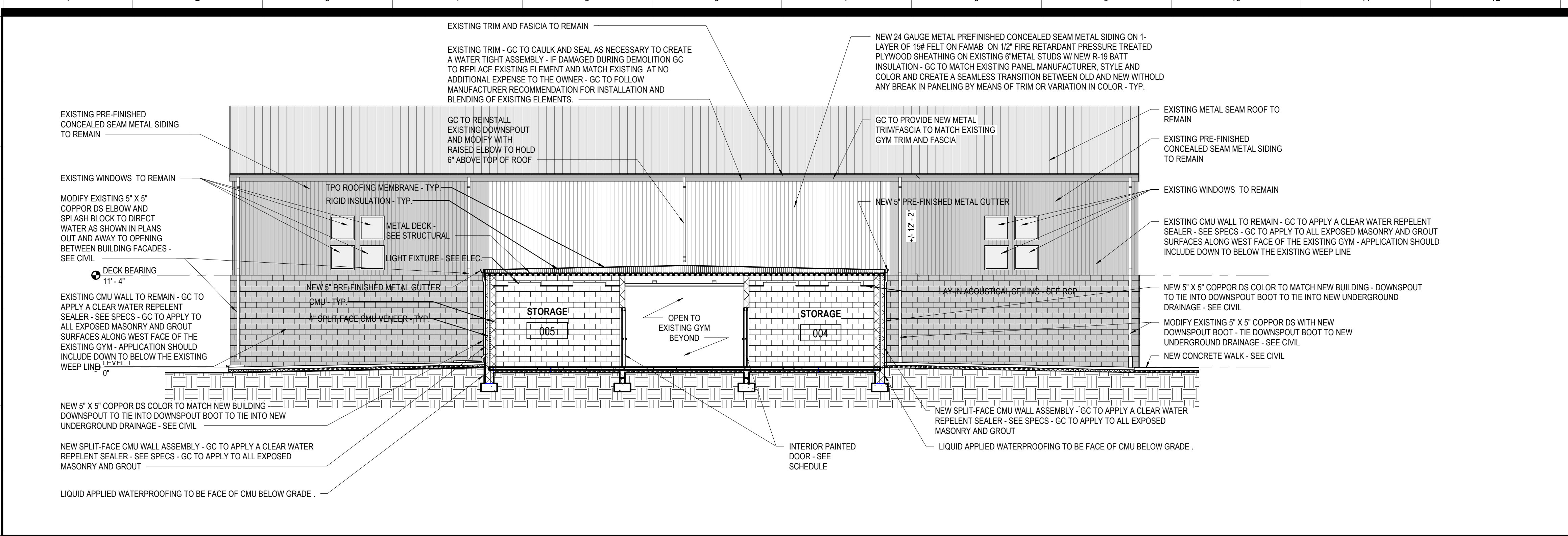
PROJECT NO. 3891.01

SHEET TITLE DOOR SCHEDULE & ELEVATIONS

DRAWING NO.

A2.60

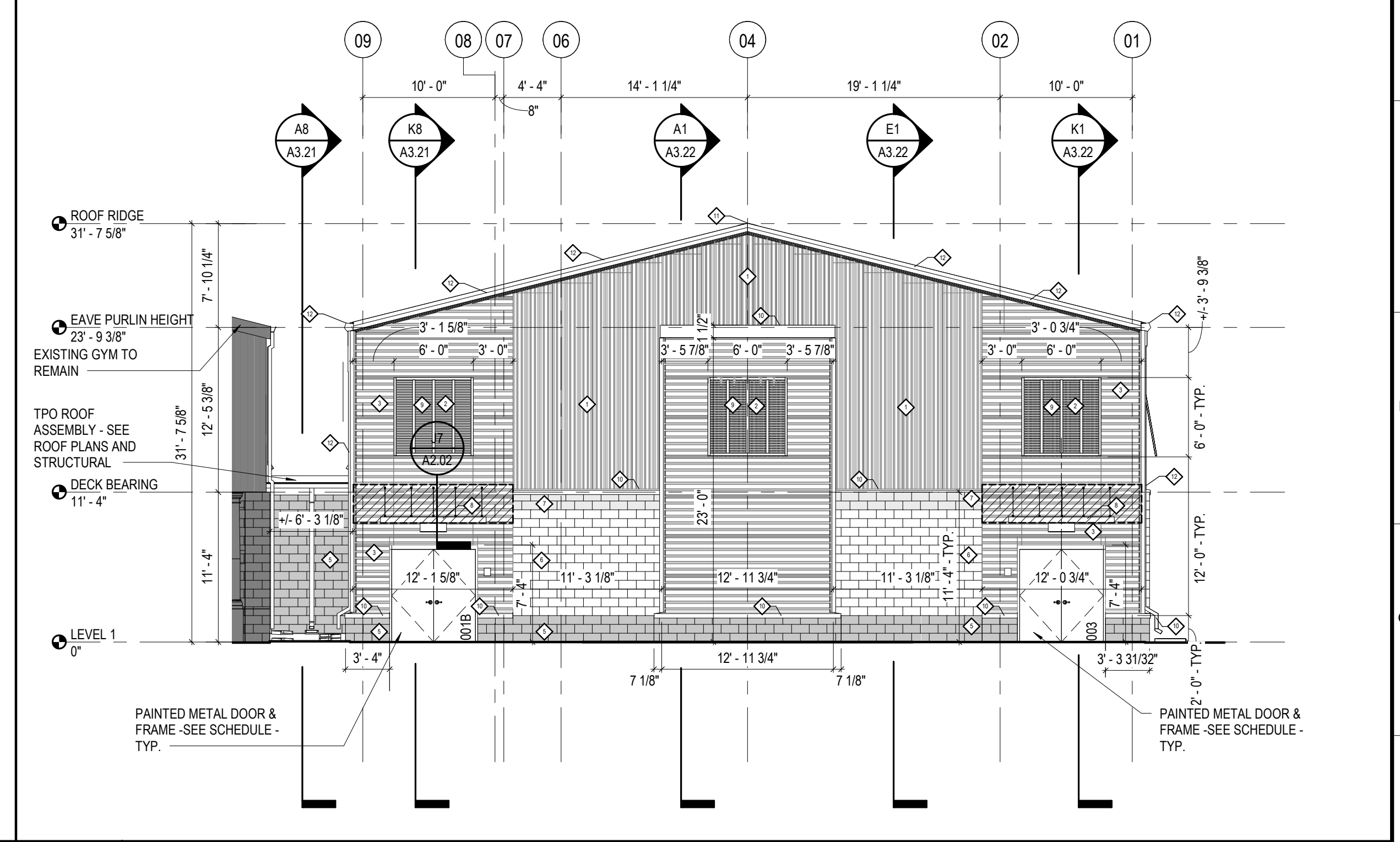
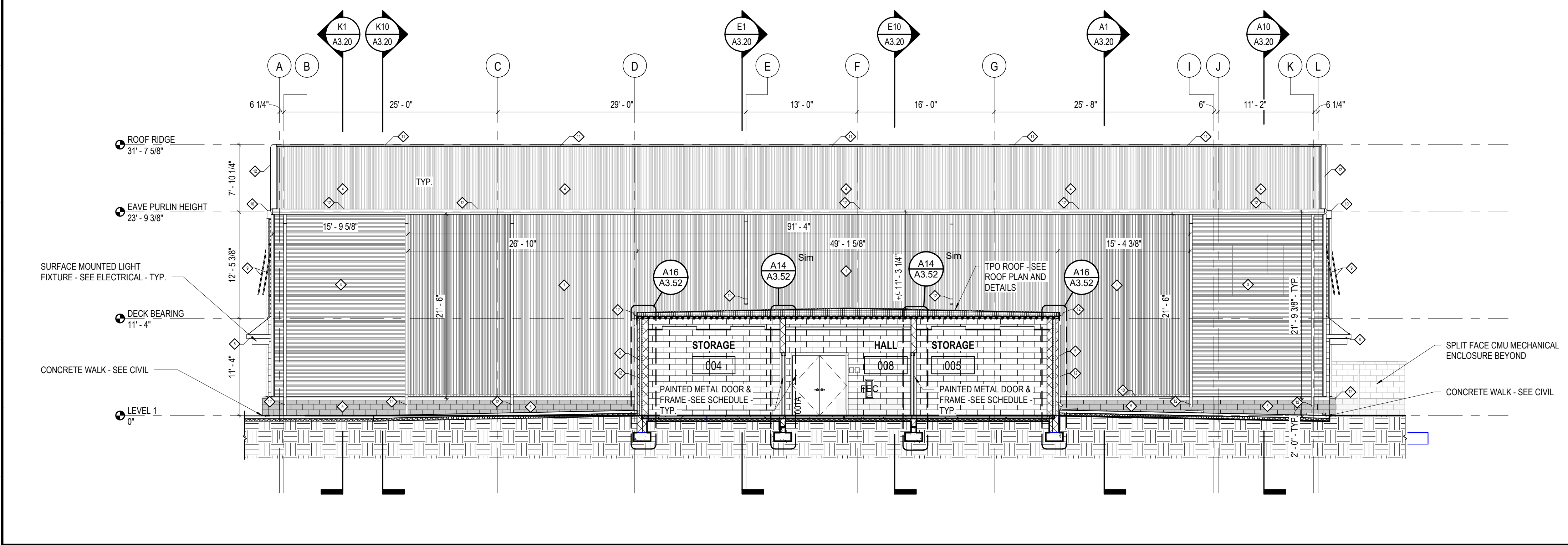




LEGEND - EXTERIOR MATERIALS AND FABRICATIONS			
MARK	PRODUCT	COLOR	COMMENTS
◇	VERTICAL PBR PANEL ( 1 1/4")	MESCO - ALMOND (300 STANDARD)	SEE GENERAL NOTE 1, 2, 4 & 6
◇	HORIZONTAL REVERSE ROLL PBR PANEL ( 1 1/4")	MESCO - MIDNIGHT BRONZE (300 STANDARD)	SEE GENERAL NOTE 1, 2, 4, 5 & 6
◇	HORIZONTAL PBR PANEL ( 1 1/4")	MESCO - PACIFIC BLUE (300 STANDARD)	SEE GENERAL NOTE 1, 2, 4 & 6
◇	SSR SUPER LOK (2")	MESCO - SNOW WHITE (300 STANDARD)	SEE GENERAL NOTE 7
◇	SPLIT FACE 4" VENEER CMU (COLOR 1)	TBD SELECTION BY ARCHITECT	SEE GENERAL NOTE 3, 8, 10 & 11
◇	SPLIT FACE 4" VENEER CMU (COLOR 2)	TBD SELECTION BY ARCHITECT	SEE GENERAL NOTE 3, 8, 10 & 11
◇	SPLIT FACE 4" VENEER CMU (COLOR 3)	TBD SELECTION BY ARCHITECT	SEE GENERAL NOTE 3, 8, 10 & 11
◇	PRE-FINISHED METAL CANOPY W/ LIGHT BELOW	CUSTOM COLOR SELECTED BY ARCHITECT	SEE GENERAL NOTE 9
◇	BAHAMA STYLE SHUTTER	LARSON SHUTTER COMPANY - HAMILTON BLUE	SEE GENERAL NOTE 9
◇	PRE-FINISHED METAL CAPS	MESCO - ALMOND	
◇	ROOF RIDGE	MESCO - WHITE SNOW	
◇	GUTTERS, DOWNSPOUTS, TYPICAL & RAKE TRIM	MESCO - ALMOND	

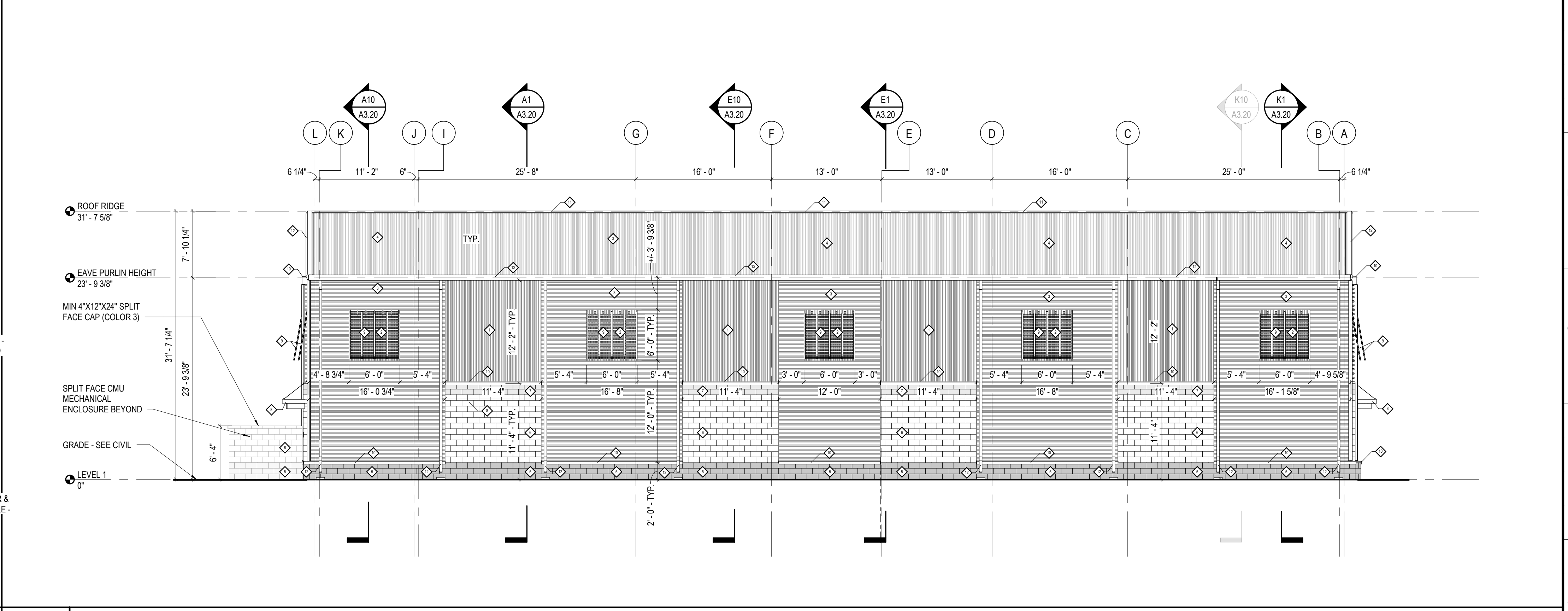
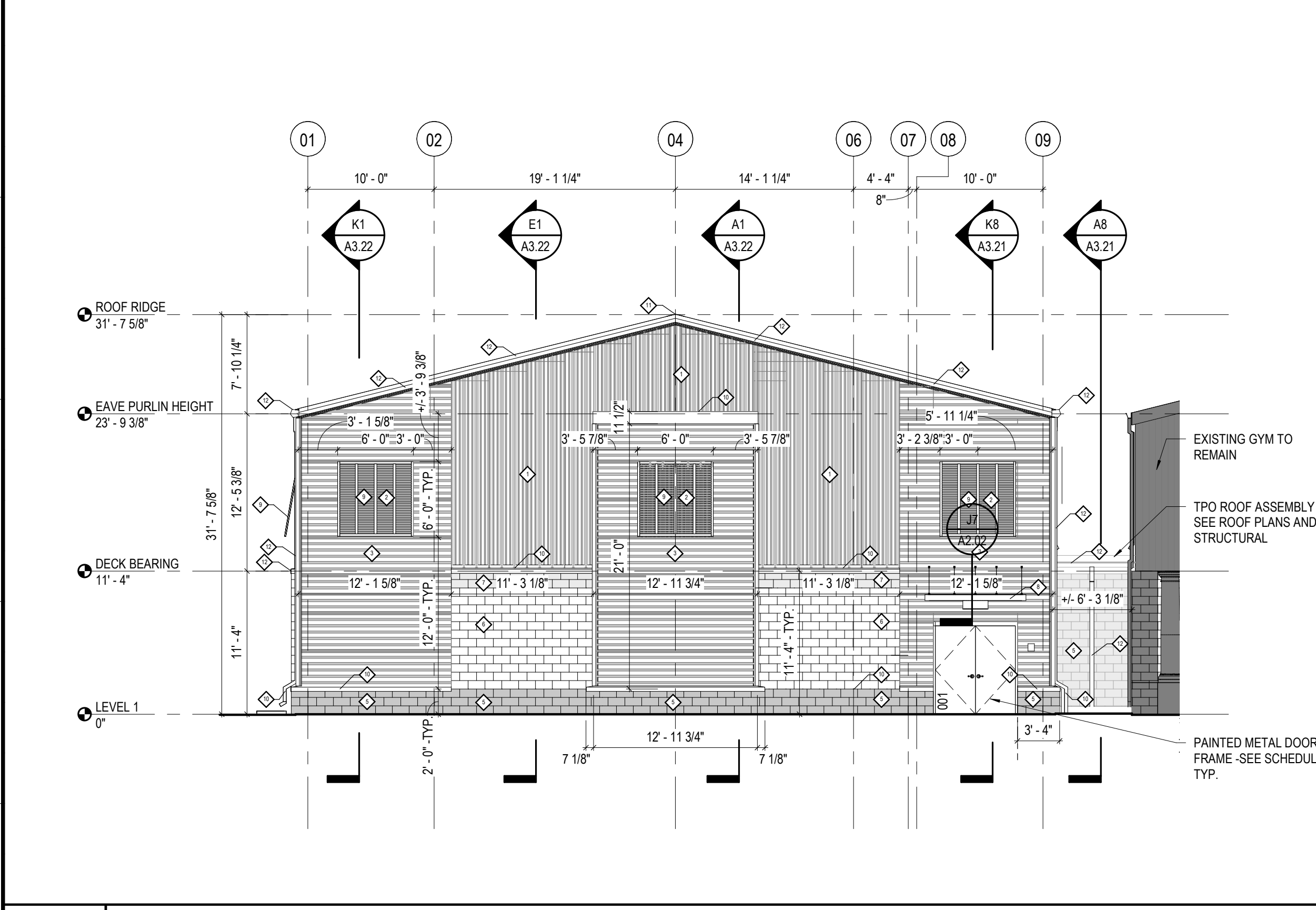
- GENERAL NOTES
- ALL FRAMED OPENINGS TRIM COLOR TO MATCH SURROUNDING METAL PANEL COLOR.
  - ALL PENETRATIONS THROUGH PEMB BUILDING BY OTHERS TO BE COORDINATED WITH THE PEMB MANUFACTURER RECOMMENDATION FOR FLASHING AND SEALING PRIOR TO INSTALLATION. GC TO PROVIDE FLASHING AND SEAL ALL PENETRATIONS AS RECOMMENDED TO MAINTAIN A LONG LASTING WATER TIGHT FACADE AND PROPER DRAINAGE.
  - ALL EXPOSED LOCATIONS OF NEW MASONRY ASSEMBLIES TO BE TREATED WITH CLEAR WATER REPELLENT AS LISTED PER THE UNIT MASONRY SPECIFICATION.
  - ALL METAL WALL PANEL ASSEMBLIES SHOULD BE DESIGN TO MEET A MINIMUM OF L/240 DEFLECTION.
  - PEMB TO DESIGN METAL WALL PANEL ASSEMBLY WITH 7/8" GALVANIZED HAT CHANNEL FURRING BEHIND METAL PANEL ATTACHED TO FACE OF GIRT.
  - PEMB METAL PANEL TO HAVE SEMI-CONCEALED FASTENERS.
  - PEMB METAL PANEL TO BE FULLY CONCEALED AND MECHANICALLY SEALED.
  - 8" SPLIT FACE CMU @ EXTERIOR MECHANICAL ENCLOSURE IN LIEU OF 4" SPLIT FACE CMU VENEER.
  - PEMB MANUFACTURER TO PROVIDE ADDITIONAL GIRT REINFORCEMENT AND BRACING AS NEEDED (SHOWN AS DASHED WITH DIAGONAL HATCH FOR SIGNAGE - GC TO COORDINATE SIGNAGE LOCATION, STRUCTURAL REQUIREMENTS AND ATTACHMENT INFORMATION WITH THE PEMB MANUFACTURER PRIOR TO APPROVAL OF SHOP DRAWINGS).
  - PEMB METAL PANELS ARE TO EXTEND BEHIND ALL MASONRY AND BE TAKEN TO TOP OF CONCRETE SLAB CURB AND BE SEALED.
  - PEMB METAL PANELS BEHIND MASONRY ARE TO BE REVERSE ROLL PANELS INSTALLED FOR MASONRY TIE DIRECT ATTACHMENT.

**K1 EXISTING GYM - WEST EXTERIOR WALL REWORK ELEVATION**  
 SCALE: 1/8" = 1'-0"



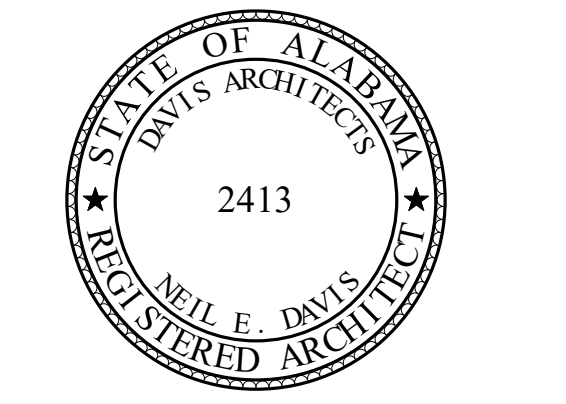
**F1 EXTERIOR BUILDING ELEVATION - EAST**  
 SCALE: 1/8" = 1'-0"

**F12 EXTERIOR BUILDING ELEVATION - NORTH**  
 SCALE: 1/8" = 1'-0"



**A1 EXTERIOR BUILDING ELEVATION - SOUTH**  
 SCALE: 1/8" = 1'-0"

**A7 EXTERIOR BUILDING ELEVATION - WEST**  
 SCALE: 1/8" = 1'-0"



**ORANGE BEACH  
 RECREATION COMPLEX  
 NEW GYMNASIUM**



CITY OF ORANGE BEACH;  
 ORANGE BEACH, AL



**OWNER**  
 CITY OF ORANGE BEACH  
 PO BOX 458  
 ORANGE BEACH, ALABAMA 36561  
 251-981-6979  
 ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
 MCCOLLUGH ARCHITECTURE  
 4780 MAIN ST #209  
 ORANGE BEACH, AL 36561  
 ATTN: STED MCCOLLUGH

**ARCHITECT**  
 DAVIS ARCHITECTS, INC.  
 120 23RD STREET SOUTH  
 BIRMINGHAM, AL 35233  
 205-322-7482  
 ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
 SAWGRASS CONSULTING, LLC  
 11143 OLD HIGHWAY 31  
 SPANISH FORT, AL 36527  
 251-544-7900  
 ATTN: ERIC L. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
 M&A ENGINEERS  
 300 20TH ST. N., SUITE 100  
 BIRMINGHAM, AL 35203  
 205-323-6386  
 ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
 GULF STATES ENGINEERING  
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 MOBILE, AL 36609  
 251-460-4648  
 ATTN: JERRY ONWU / SID SNYDER

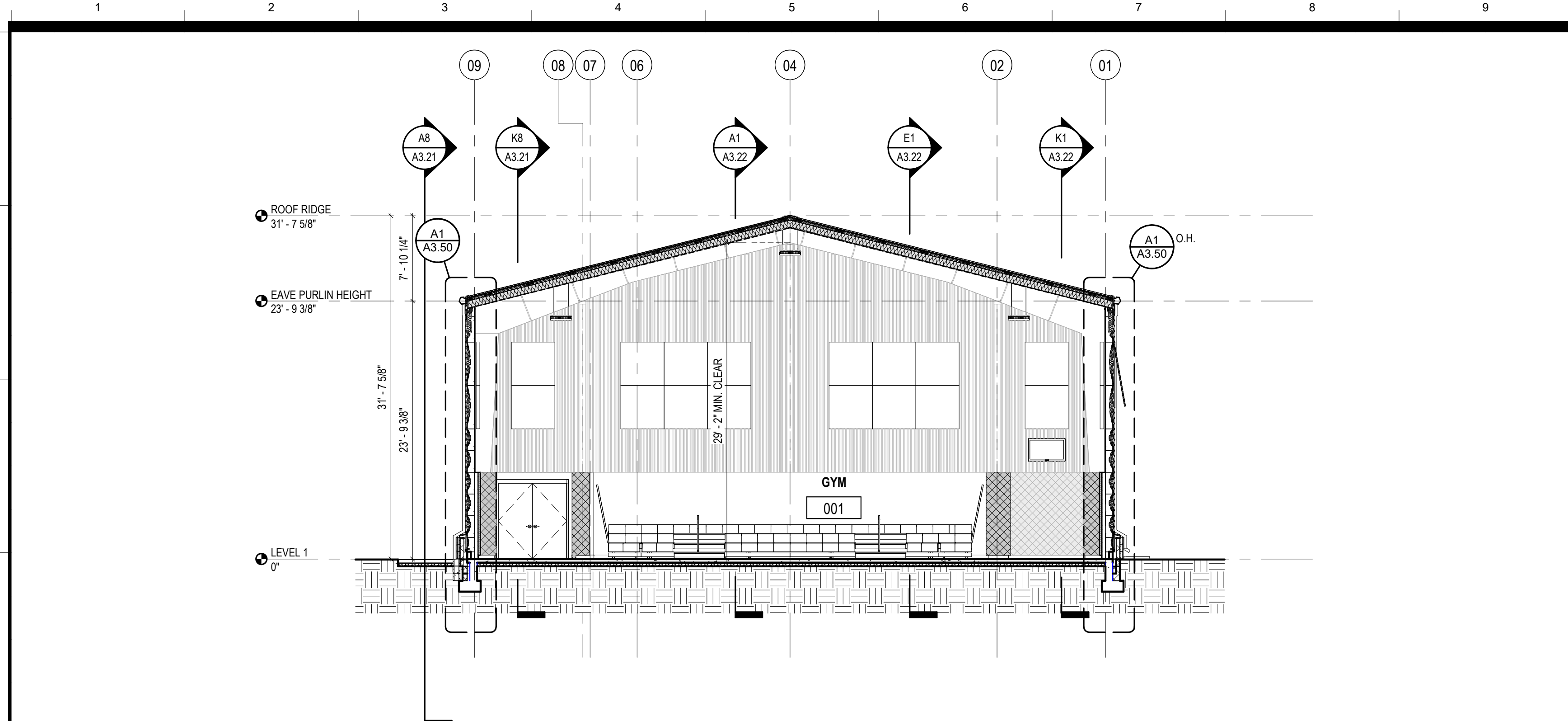
REV	DATE	DESCRIPTION

DATE: 2-18-2019  
 PHASE: 100% CONSTRUCTION DOCUMENTS  
 DRAWN BY: DAVIS ARCHITECTS PROJECT NO: 3891.01  
 SHEET TITLE: EXTERIOR ELEVATIONS

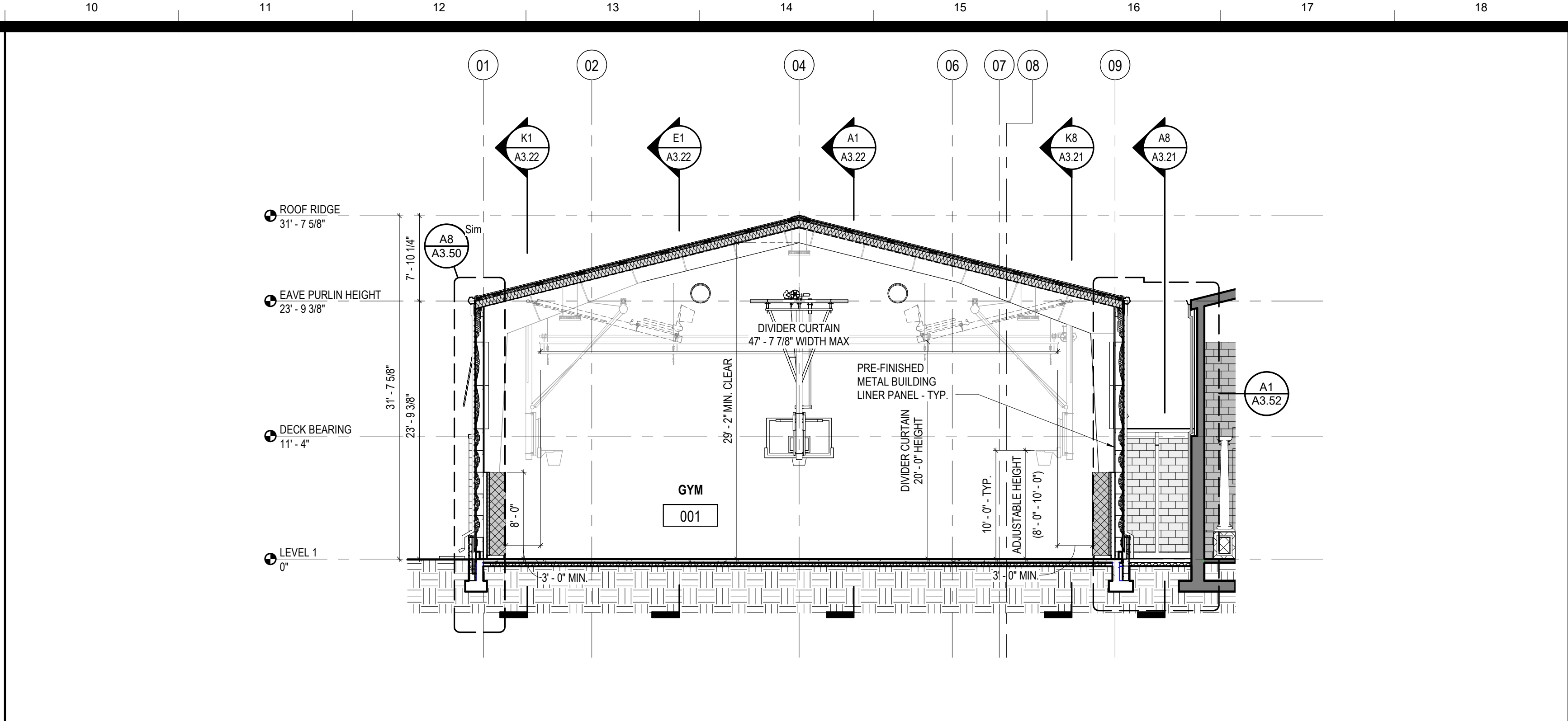
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**A3.01**

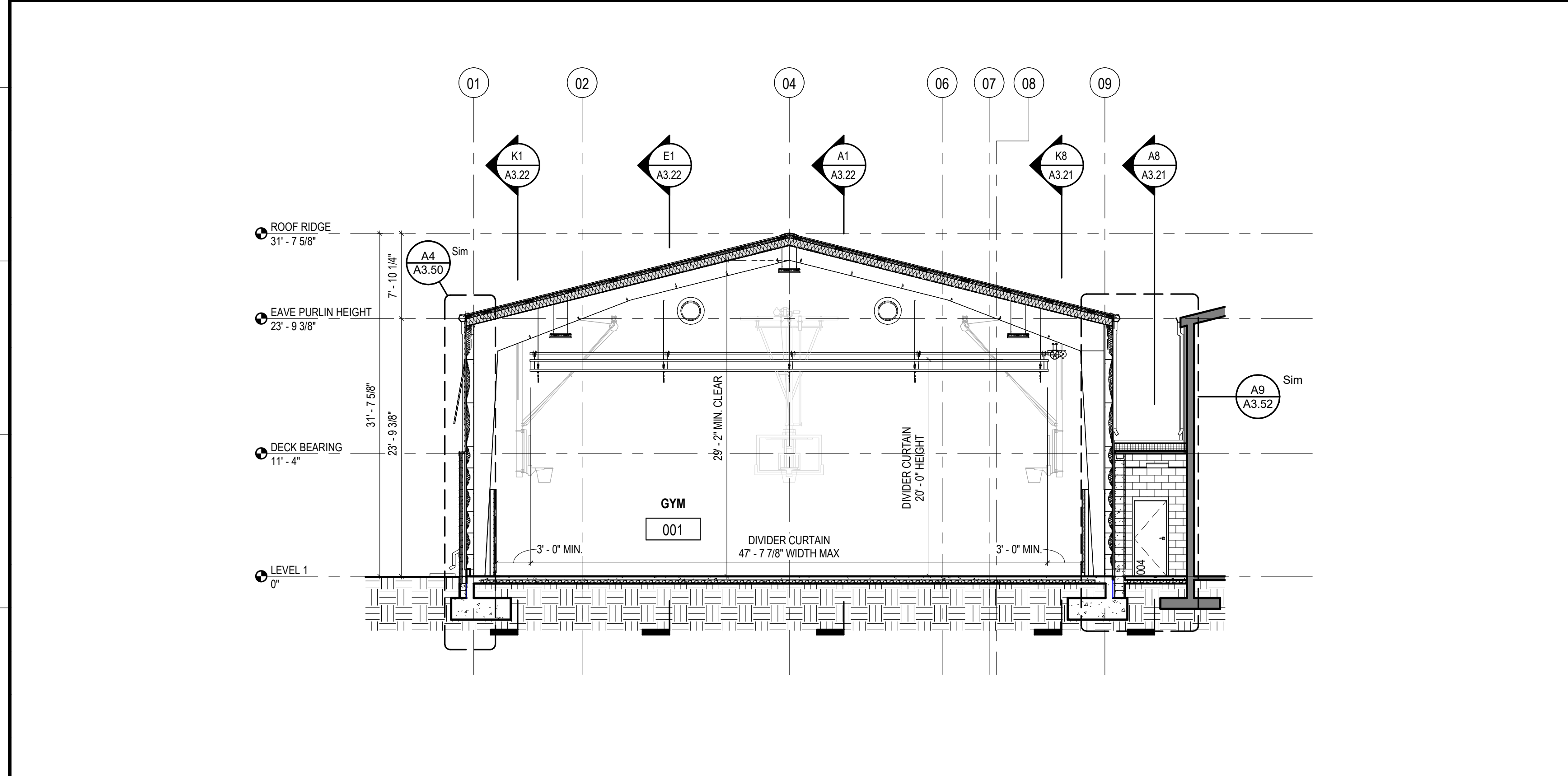




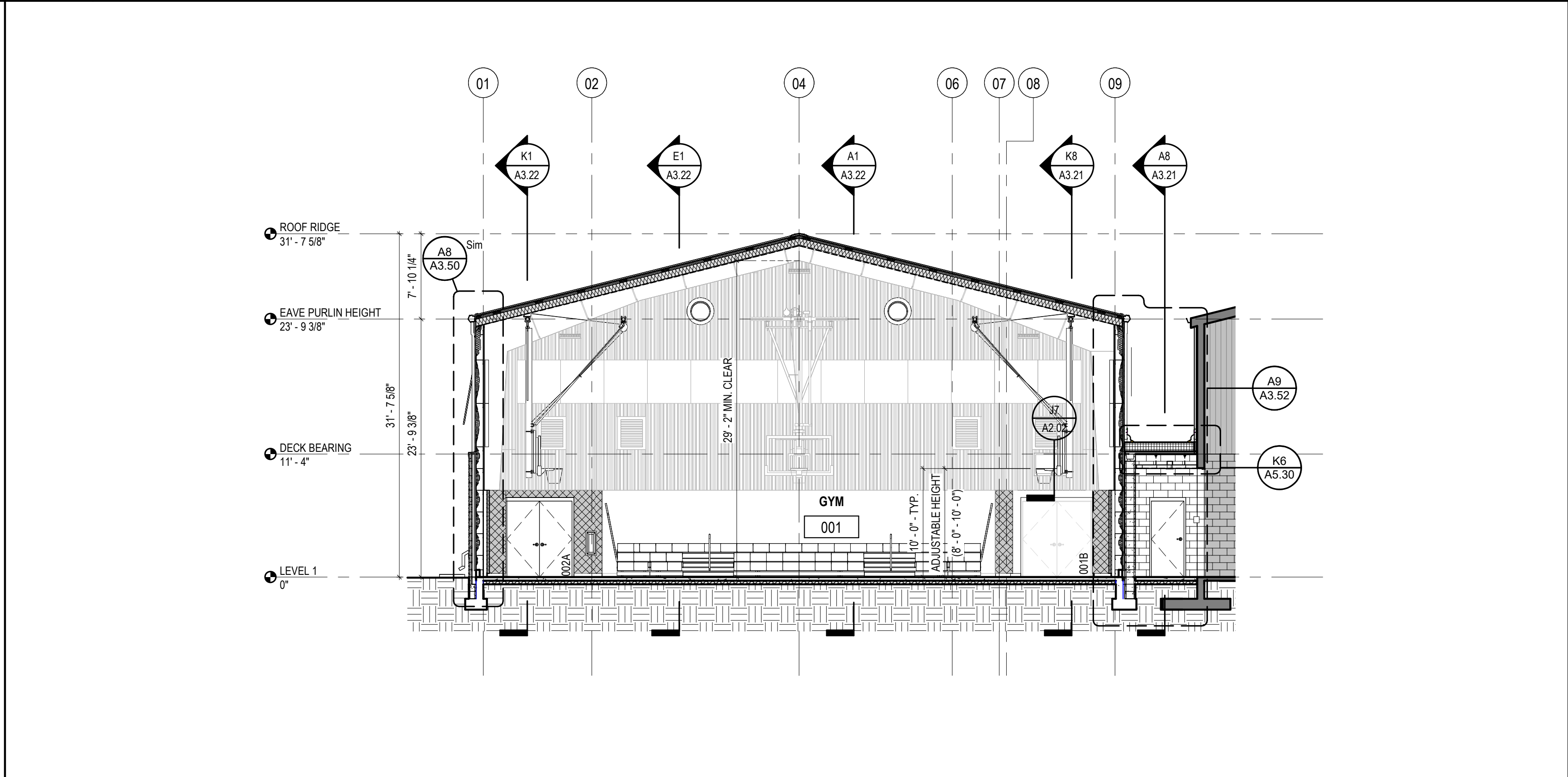
**K1 BUILDING SECTION - CROSS SECTION**  
 A1 / A2.01 SCALE: 1/8" = 1'-0"



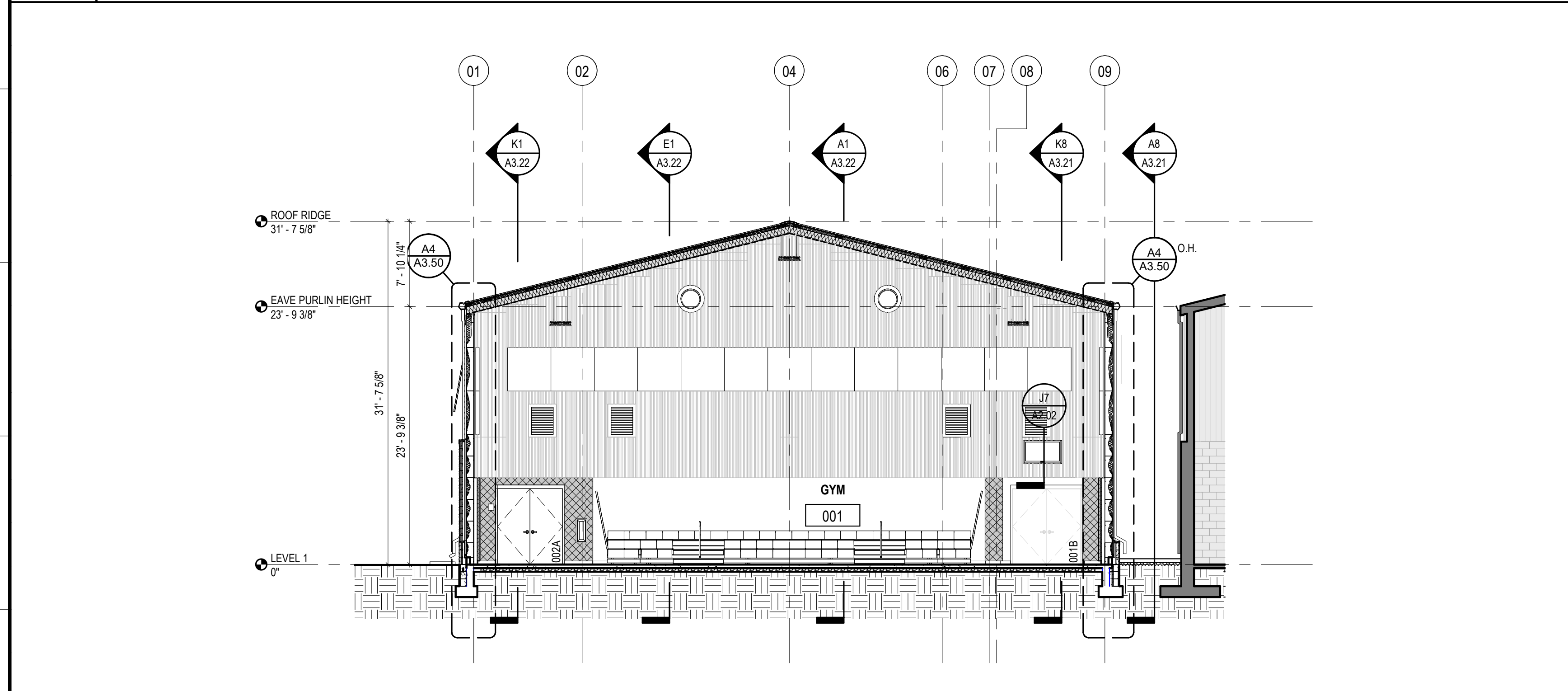
**K10 BUILDING SECTION - CROSS SECTION**  
 A1 / A2.01 SCALE: 1/8" = 1'-0"



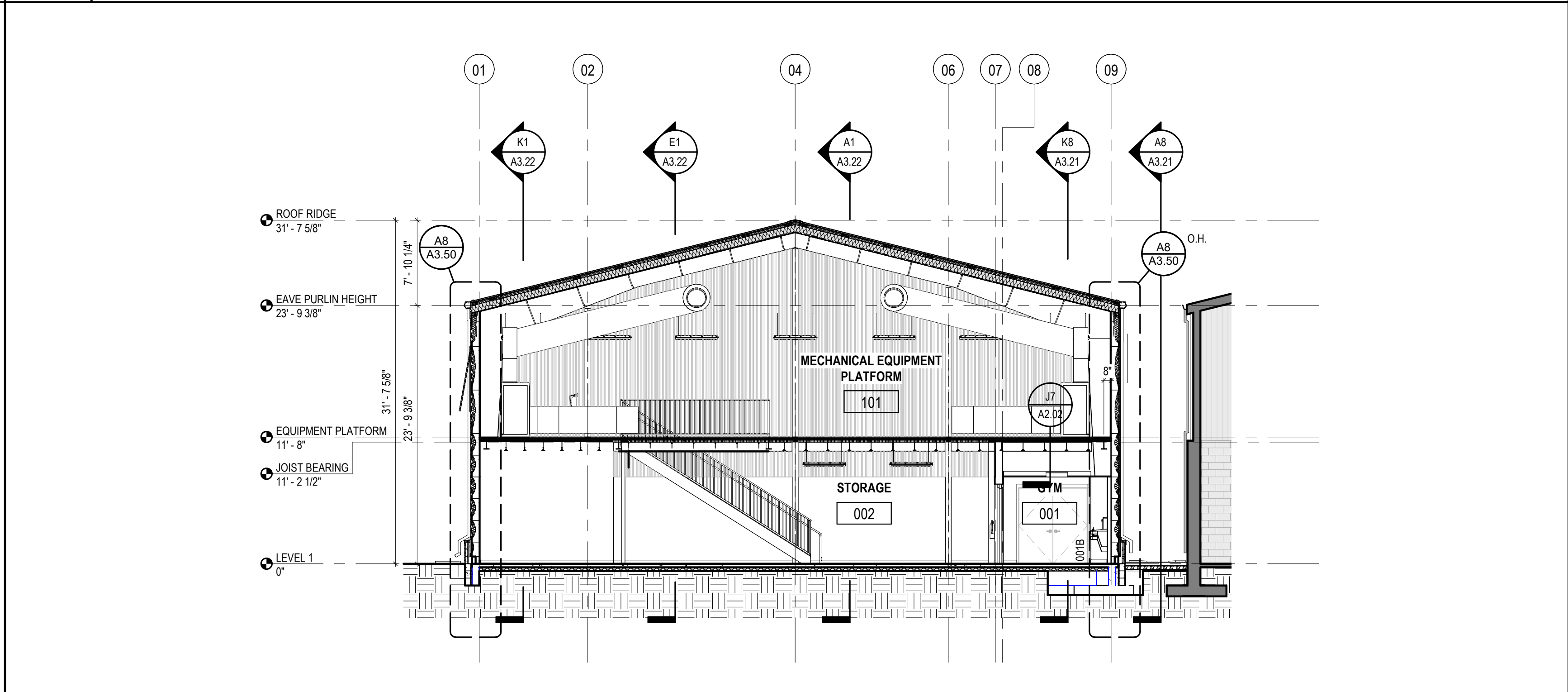
**E1 BUILDING SECTION - CROSS SECTION**  
 A1 / A2.01 SCALE: 1/8" = 1'-0"



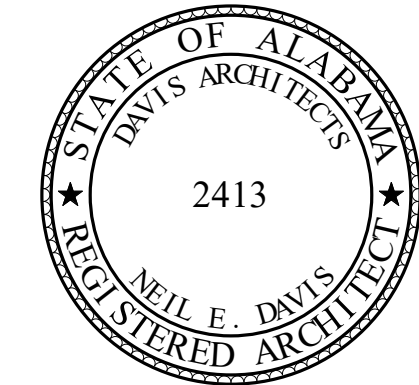
**E10 BUILDING SECTION - CROSS SECTION**  
 A1 / A2.01 SCALE: 1/8" = 1'-0"



**A1 BUILDING SECTION - CROSS SECTION**  
 A1 / A2.01 SCALE: 1/8" = 1'-0"



**A10 BUILDING SECTION - CROSS SECTION**  
 A1 / A2.01 SCALE: 1/8" = 1'-0"



**ORANGE BEACH  
 RECREATION CENTER  
 NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
 ORANGE BEACH, AL



**OWNER**  
 CITY OF ORANGE BEACH  
 PO BOX 458  
 ORANGE BEACH, ALABAMA 36561  
 251-981-6979  
 ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
 MCCOLLOUGH ARCHITECTURE  
 4790 MAIN ST #209  
 ORANGE BEACH, AL 36561  
 251-988-7222  
 ATTN: STED MCCOLLOUGH

**ARCHITECT**  
 DAVIS ARCHITECTS, INC.  
 120 23RD STREET SOUTH  
 BIRMINGHAM, AL 35233  
 205-322-7482  
 ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
 SAWGRASS CONSULTING, LLC  
 11143 OLD HIGHWAY 31  
 SPANISH FORT, AL 36527  
 251-544-7900  
 ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
 NSA ENGINEERS  
 300 20TH ST. N., SUITE 100  
 BIRMINGHAM, AL 35203  
 205-323-5385  
 ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: JERRY ONWU / SID SNYDER

REV DATE DESCRIPTION

DATE 2-18-2019

PHASE 100% CONSTRUCTION DOCUMENTS

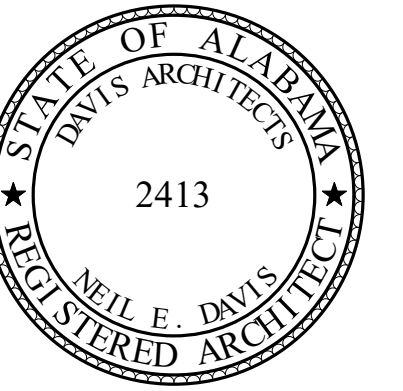
ISSUED FOR DAVIS ARCHITECTS PROJECT NO. 3891.01

SHEET TITLE BUILDING SECTIONS

DRAWING NO.

**A3.20**





**ORANGE BEACH  
CREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
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11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-544-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MBA ENGINEERS  
300 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6386  
ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
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600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
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600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4646  
ATTN: JERRY ONWU / SID SNYDER

REV DATE DESCRIPTION

DATE 2-18-2019

PHASE 100% CONSTRUCTION DOCUMENTS

ISSUED FOR

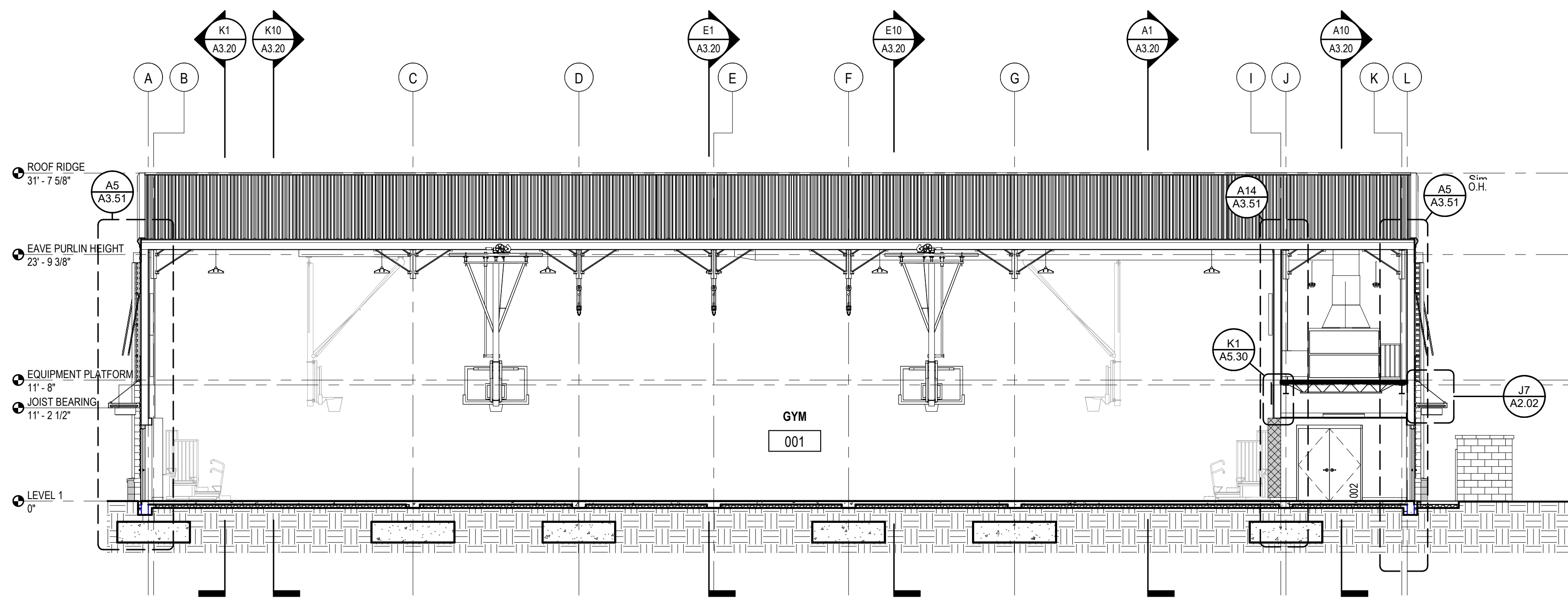
DATE BY PROJECT NO. 3891.01

SHEET TITLE

BUILDING SECTIONS

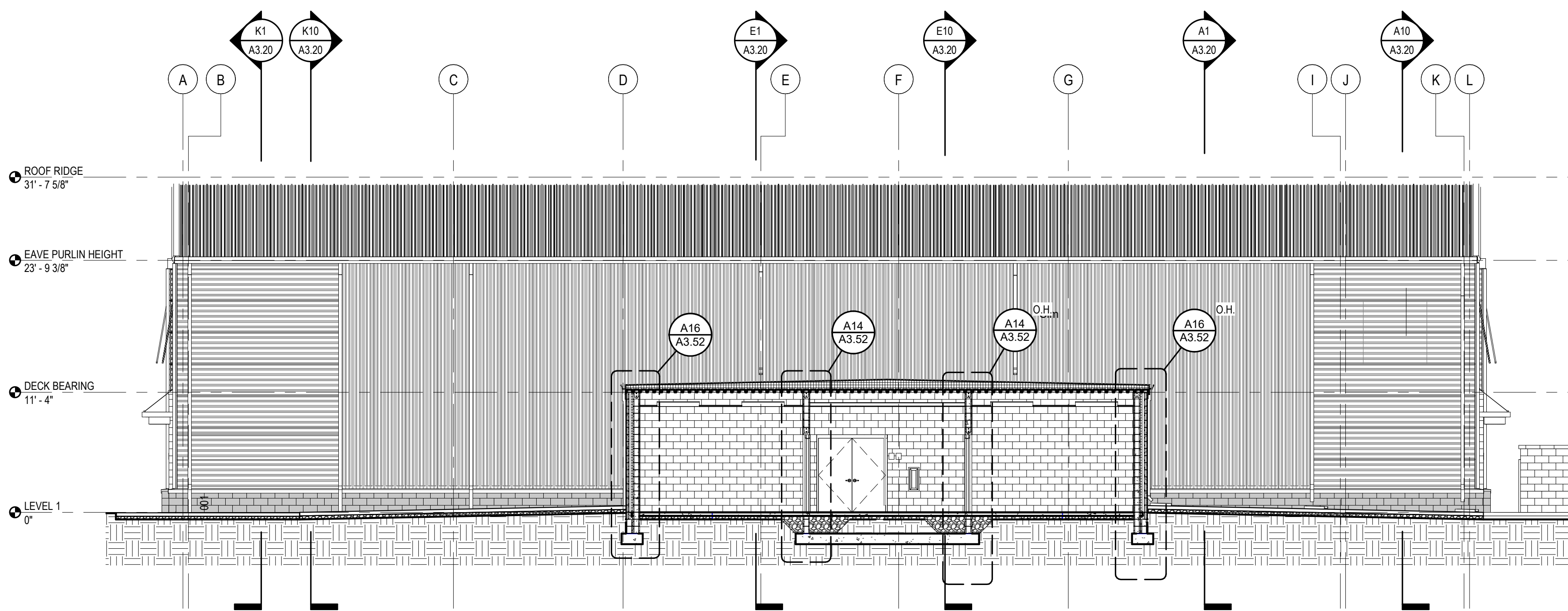
DRAWING NO.

**A3.21**



**K8 BUILDING SECTION - LONGITUDINAL SECTION**

A1 / A2.01 SCALE: 1/8" = 1'-0"



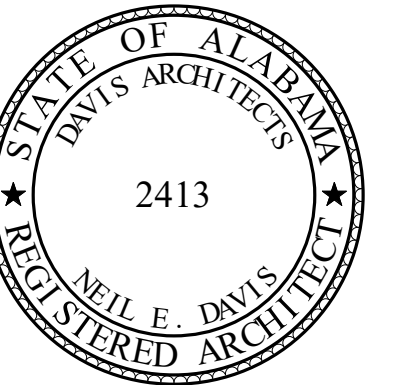
**A8 BUILDING SECTION - LONGITUDINAL SECTION**

A1 / A2.01 SCALE: 1/8" = 1'-0"









ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM



CITY OF ORANGE BEACH; ORANGE BEACH, AL

DAVIS ARCHITECTS

OWNER: CITY OF ORANGE BEACH, 450 ORANGE BEACH, ALABAMA 36561

ASSOCIATE ARCHITECT: MCCOLLOUGH ARCHITECTURE, 4760 MAIN ST #209, ORANGE BEACH, AL 36561

ARCHITECT: DAVIS ARCHITECTS, INC., 120 23RD STREET SOUTH, BIRMINGHAM, AL 35233

CIVIL ENGINEER: SAWGRASS CONSULTING, LLC, 11143 OLD HIGHWAY 31, SPANISH FORT, AL 36527

STRUCTURAL ENGINEER: NEA ENGINEERS, 300 20TH ST. N., SUITE 100, BIRMINGHAM, AL 35203

MECHANICAL / PLUMBING ENGINEER: GULF STATES ENGINEERING, 600 AZALEA ROAD, MOBILE, AL 36609

FIRE PROTECTION ENGINEER: GULF STATES ENGINEERING, 600 AZALEA ROAD, MOBILE, AL 36609

ELECTRICAL ENGINEER: GULF STATES ENGINEERING, 600 AZALEA ROAD, MOBILE, AL 36609

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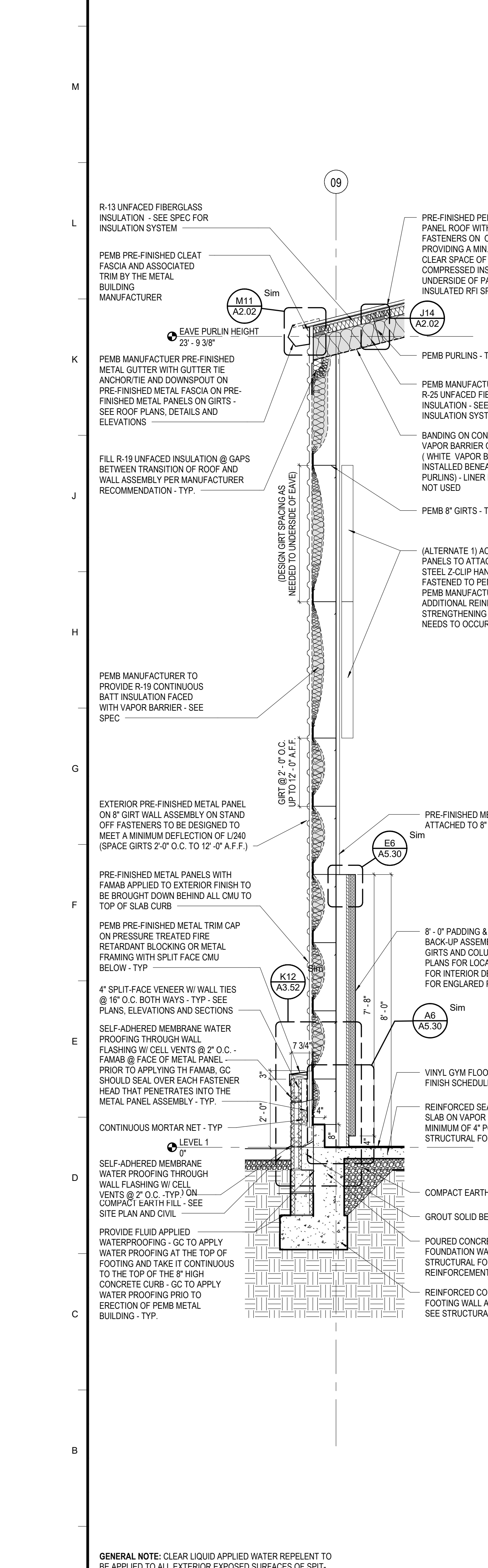
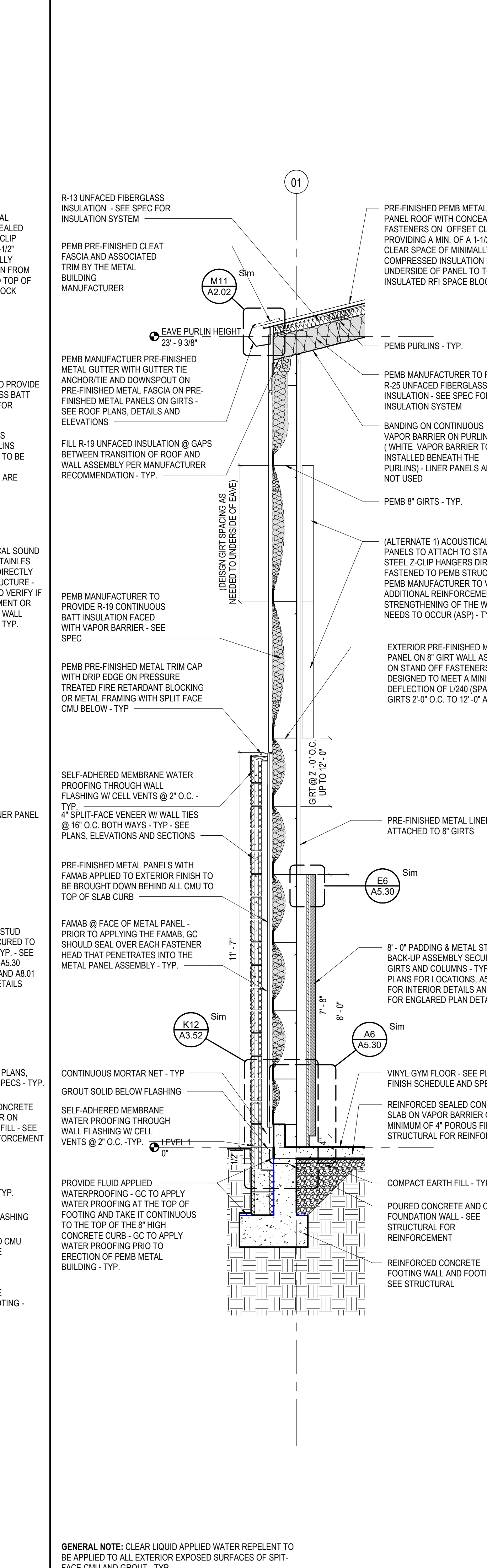
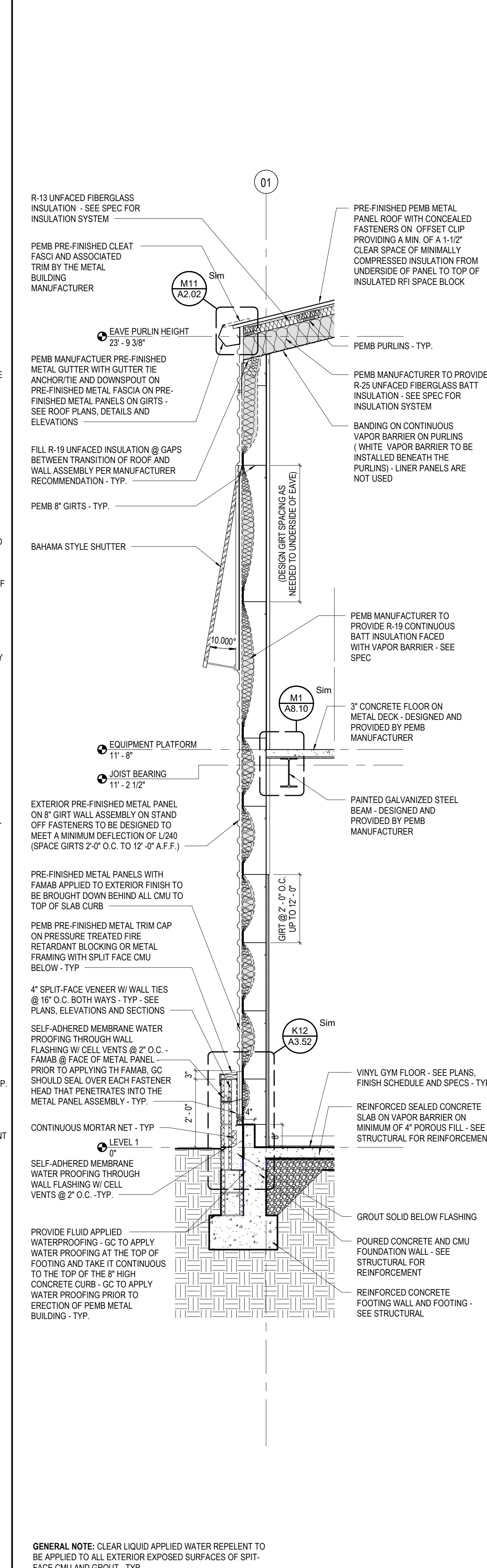
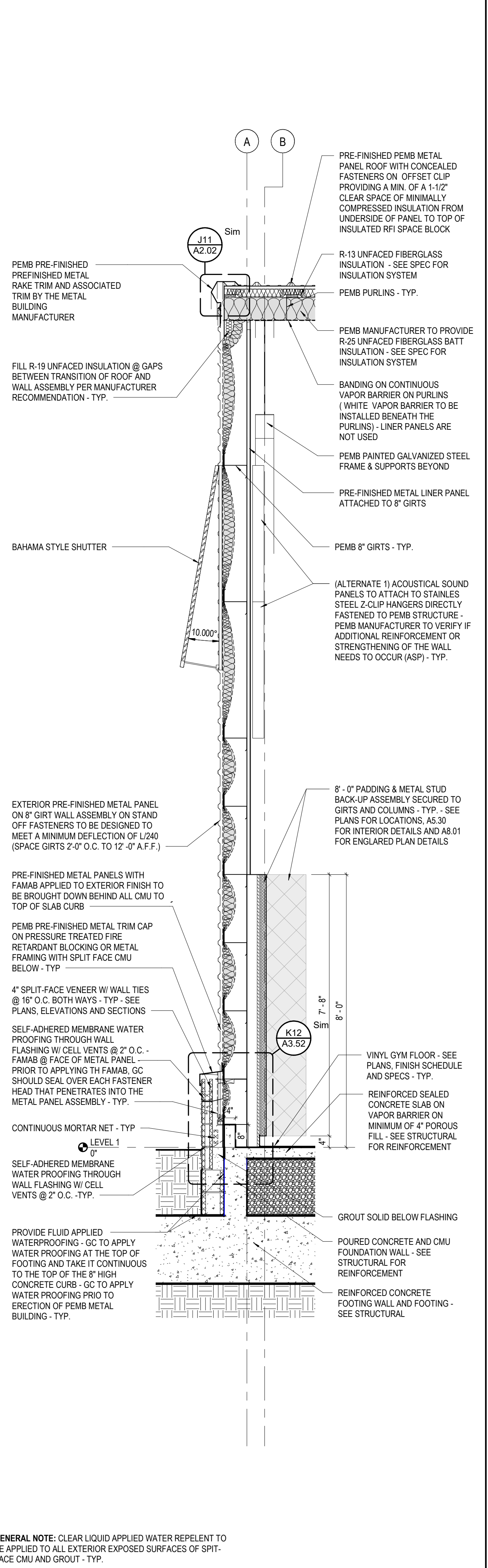
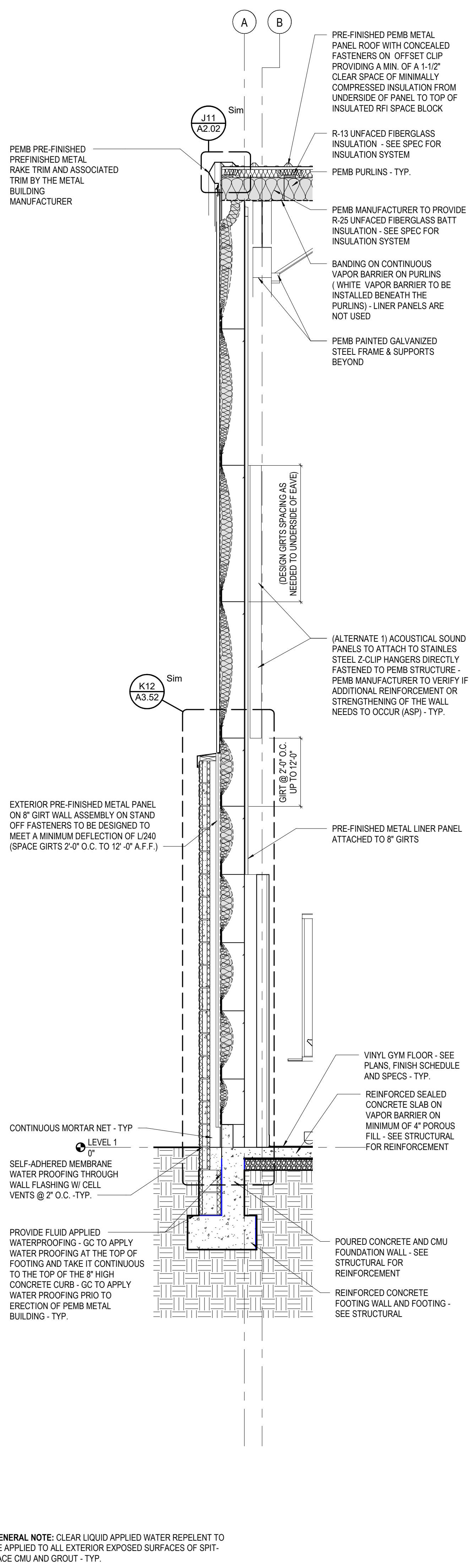
SCALE: 100% CONSTRUCTION DOCUMENTS

PROJECT NO: 3891.01

SHEET TITLE: WALL SECTIONS

DRAWING NO.

A3.50



A1 WALL SECTION SCALE: 1/2" = 1'-0"

A4 WALL SECTION SCALE: 1/2" = 1'-0"

A8 WALL SECTION SCALE: 1/2" = 1'-0"

A11 WALL SECTION SCALE: 1/2" = 1'-0"

A15 WALL SECTION SCALE: 1/2" = 1'-0"

GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELANT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

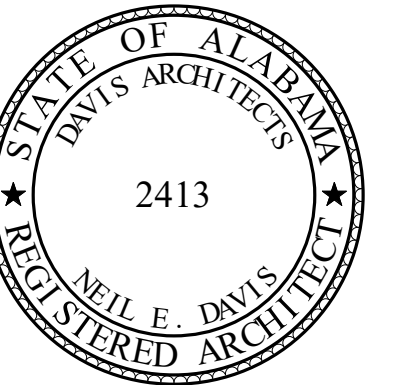
GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELANT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELANT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

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GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELANT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.





ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



OWNER  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

ASSOCIATE ARCHITECT  
MCCOLLOUGH ARCHITECTURE  
4700 MAINT ST  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

ARCHITECT  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35203  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

CIVIL ENGINEER  
SAWGRASS CONSULTING, LLC  
11443 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-544-7900  
ATTN: ERIC L. GODWIN / DOUG CHAFFIN

STRUCTURAL ENGINEER  
NSA ENGINEERS  
300 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-322-8386  
ATTN: KEITH OWENS / MARK BOGER

MECHANICAL / PLUMBING ENGINEER  
GULF STATES ENGINEERING  
600 AZALEA ROAD,  
MOBILE, AL 36609  
251-460-4648  
ATTN: CHRIS DEARMON / VAN SIMPSON

FIRE PROTECTION ENGINEER  
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MOBILE, AL 36609  
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MOBILE, AL 36609  
251-460-4648  
ATTN: JERRY ONWU / SID SNYDER

REV DATE DESCRIPTION

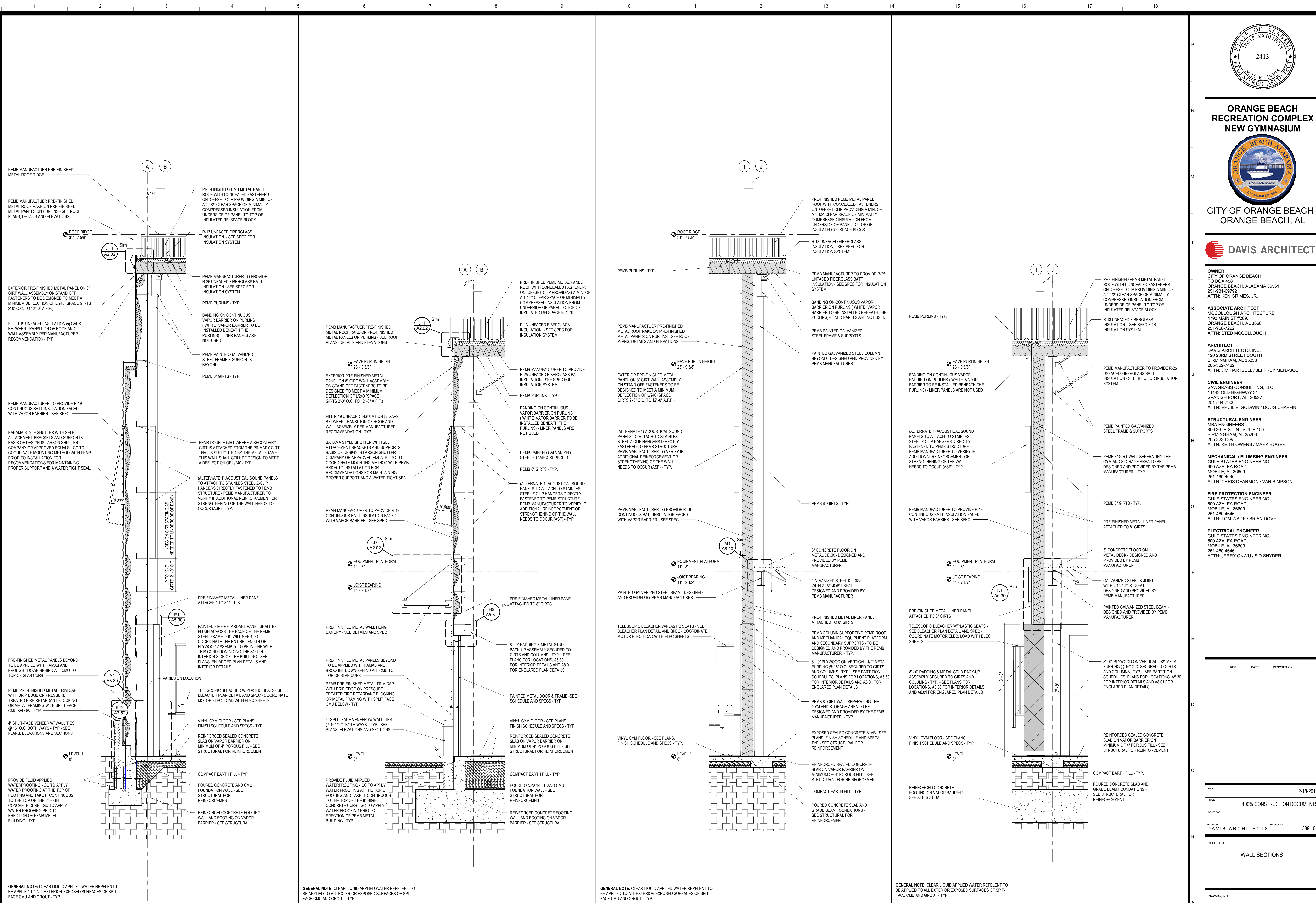
DATE 2-18-2019

PROJECT NO 100% CONSTRUCTION DOCUMENTS

DRAWN BY DAVIS ARCHITECTS PROJECT NO 3891.01

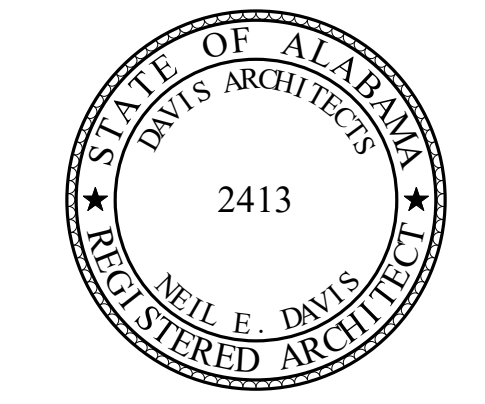
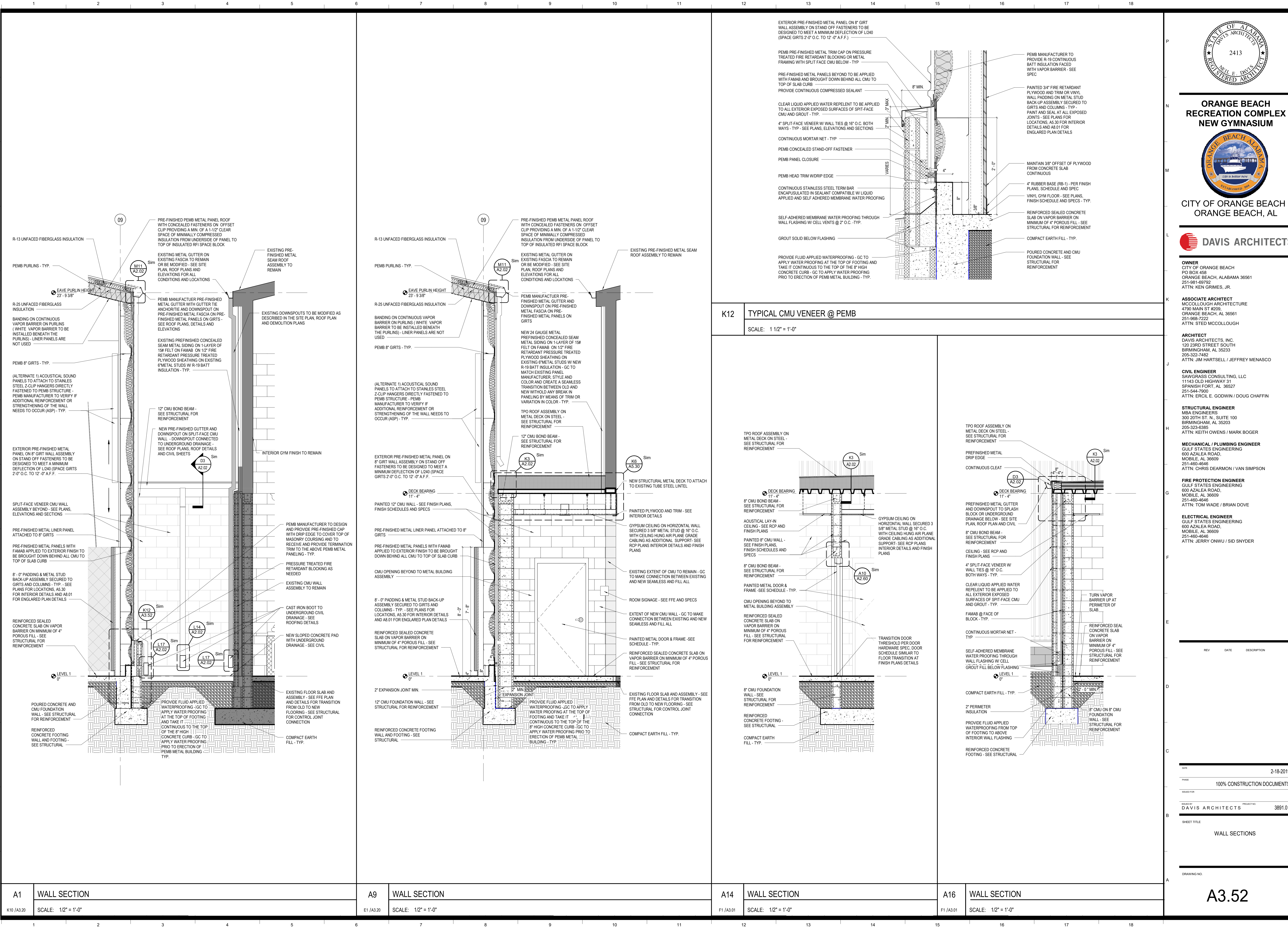
SHEET TITLE WALL SECTIONS

DRAWING NO. A3.51



A1 WALL SECTION SCALE: 1/2" = 1'-0"  
A5 WALL SECTION SCALE: 1/2" = 1'-0"  
A10 WALL SECTION SCALE: 1/2" = 1'-0"  
A14 WALL SECTION SCALE: 1/2" = 1'-0"





**ORANGE BEACH COMPLEX  
 NEW GYMNASIUM**



CITY OF ORANGE BEACH;  
 ORANGE BEACH, AL



**OWNER**  
 CITY OF ORANGE BEACH  
 PO BOX 452  
 ORANGE BEACH, ALABAMA 36561  
 251-981-6979  
 ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
 MCCOLLOUGH ARCHITECTURE  
 4790 MAIN ST  
 ORANGE BEACH, AL 36563  
 251-988-7222  
 ATTN: STED MCCOLLOUGH

**ARCHITECT**  
 DAVIS ARCHITECTS, INC.  
 120 23RD STREET SOUTH  
 BIRMINGHAM, AL 35233  
 205-322-7482  
 ATTN: JIM HARTSELL / JEFFREY MENASCIO

**CIVIL ENGINEER**  
 SAWGRASS CONSULTING, LLC  
 11143 OLD HIGHWAY 31  
 SPANISH FORT, AL 36527  
 251-544-7900  
 ATTN: ERCEL E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
 NEA ENGINEERS  
 300 20TH ST. N., SUITE 100  
 BIRMINGHAM, AL 35203  
 205-323-8386  
 ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4646  
 ATTN: CHRIS DEARMON / VAN SIMPSON

**FIRE PROTECTION ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
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 251-460-4646  
 ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
 GULF STATES ENGINEERING  
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 MOBILE, AL 36609  
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 ATTN: JERRY ONWU / SID SNYDER

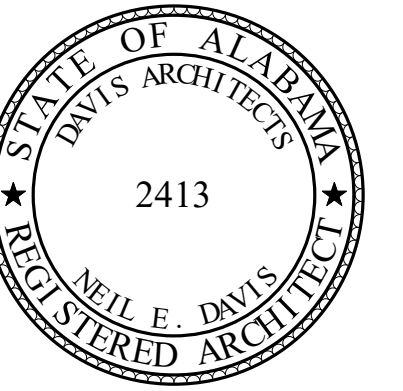
REV	DATE	DESCRIPTION

DATE: 2-18-2019  
 PHASE: 100% CONSTRUCTION DOCUMENTS  
 DRAWN BY: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: WALL SECTIONS

DRAWING NO: A3.52





**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLOUGH ARCHITECTURE  
4790 MAIN ST #205  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWGRASS CONSULTING, LLC  
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SPANISH FORT, AL 36527  
251-544-7900  
ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
MBA ENGINEERS  
300 20TH ST. N., SUITE 100  
BIRMINGHAM, AL 35203  
205-323-6385  
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**MECHANICAL / PLUMBING ENGINEER**  
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600 AZALEA ROAD,  
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251-660-4646  
ATTN: CHRIS DEARMON / VAN SIMPSON

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MOBILE, AL 36609  
251-660-4646  
ATTN: TOM WADE / BRIAN DOVE

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600 AZALEA ROAD,  
MOBILE, AL 36609  
251-660-4646  
ATTN: JERRY ONWU / SID SNYDER

REV DATE DESCRIPTION

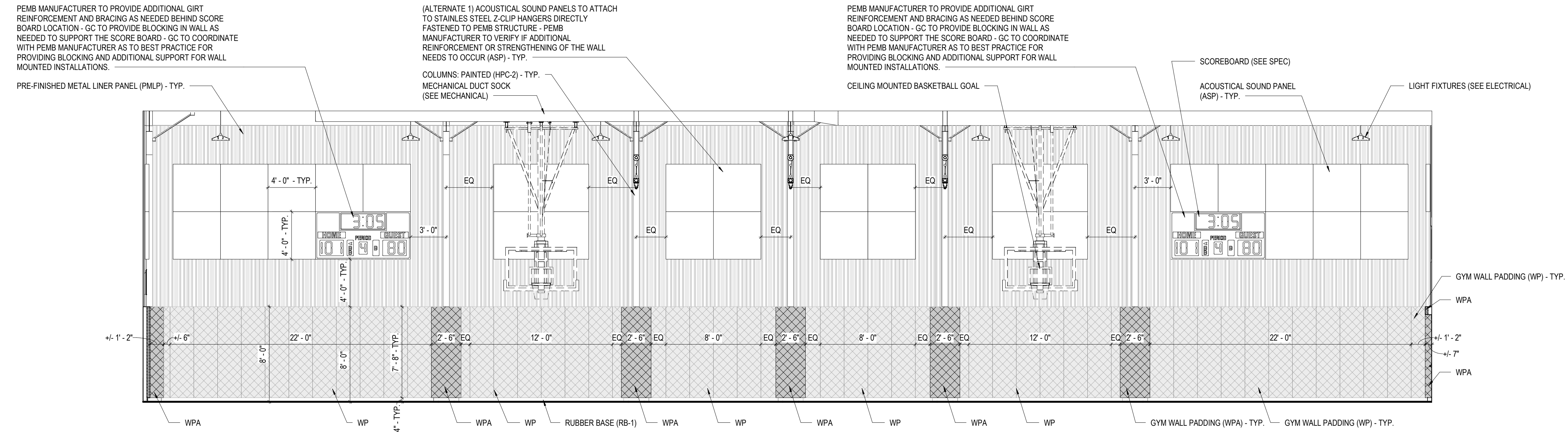
DATE 2-18-2019

PHASE 100% CONSTRUCTION DOCUMENTS

DRAWN BY DAVIS ARCHITECTS PROJECT NO. 3891.01

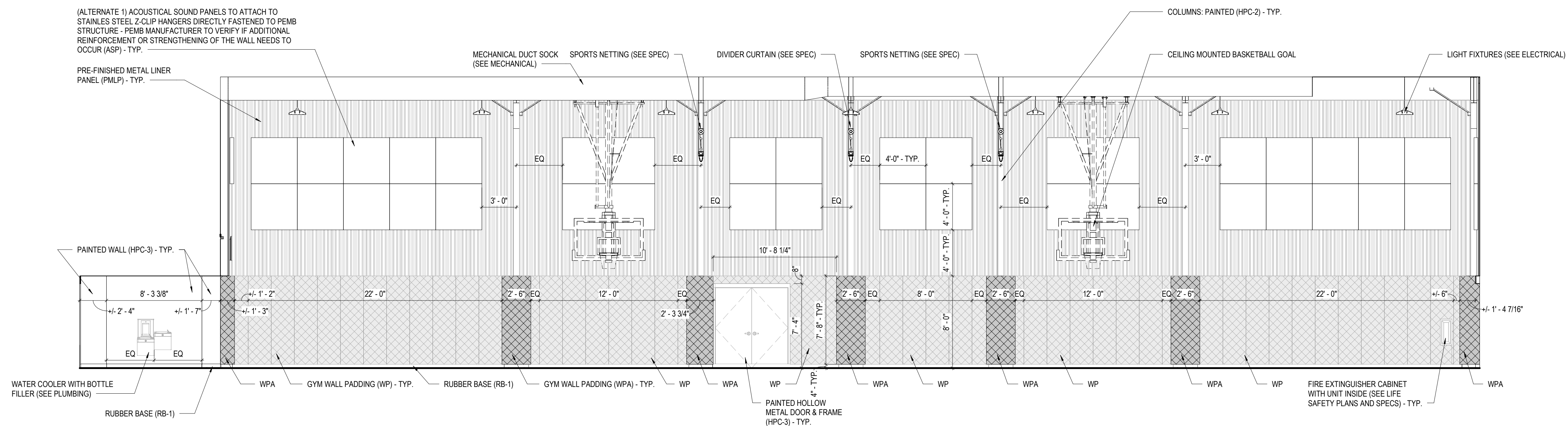
SHEET TITLE INTERIOR ELEVATIONS

DRAWING NO. A5.01



H1 INTERIOR ELEVATION @ GYM 001

A1 /A2.01 SCALE: 3/16" = 1'-0"



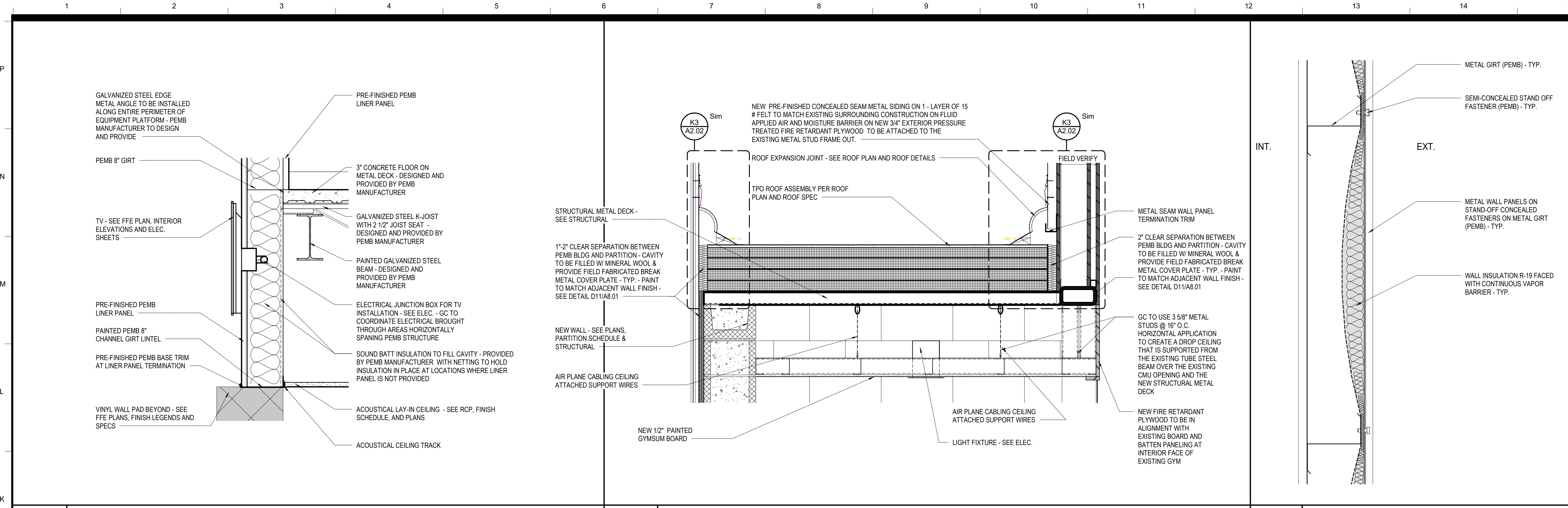
A1 INTERIOR ELEVATION @ GYM 001

A1 /A2.01 SCALE: 3/16" = 1'-0"

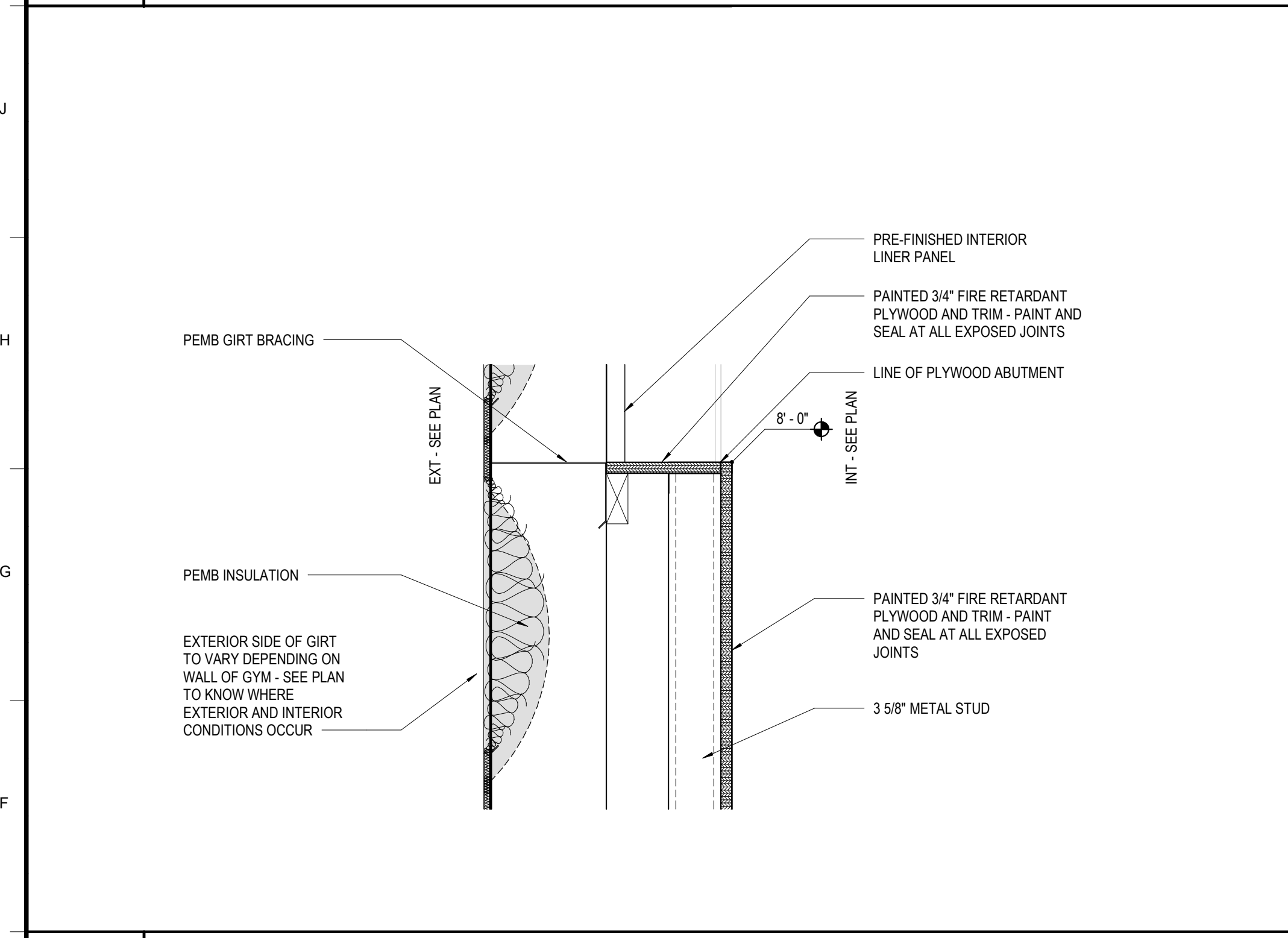




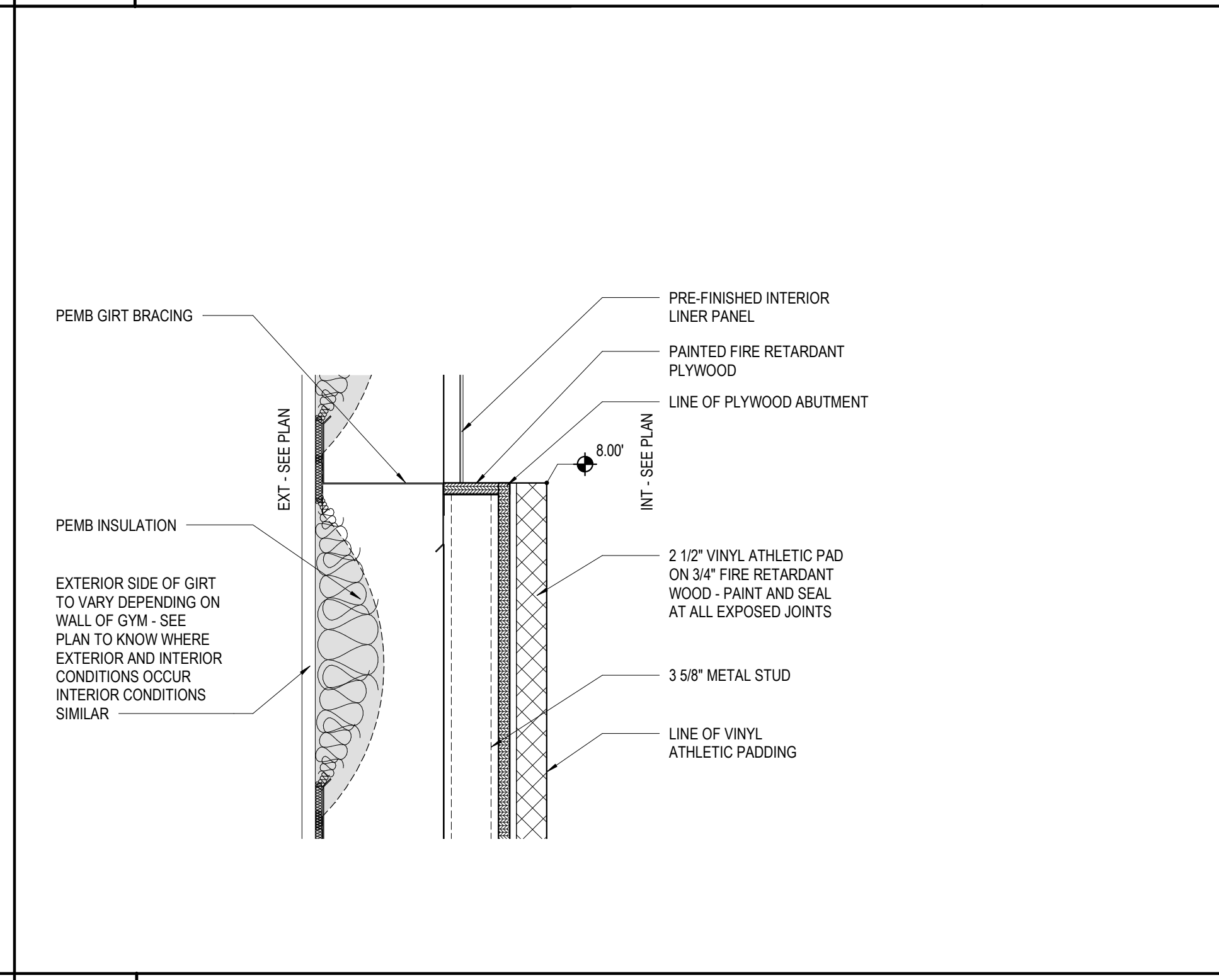




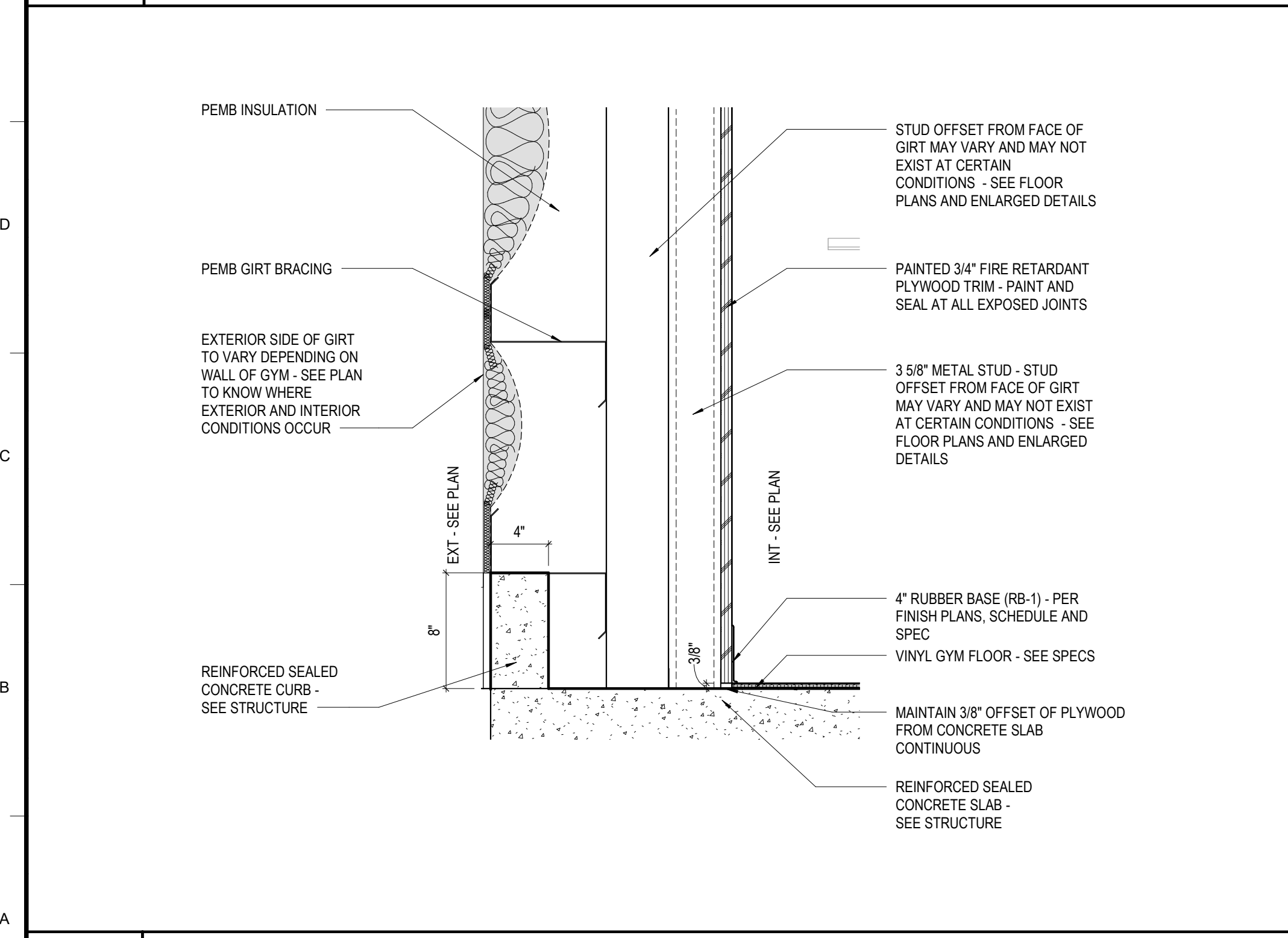
K1 / A3.21  
K6 E10 / A3.20  
K12 /



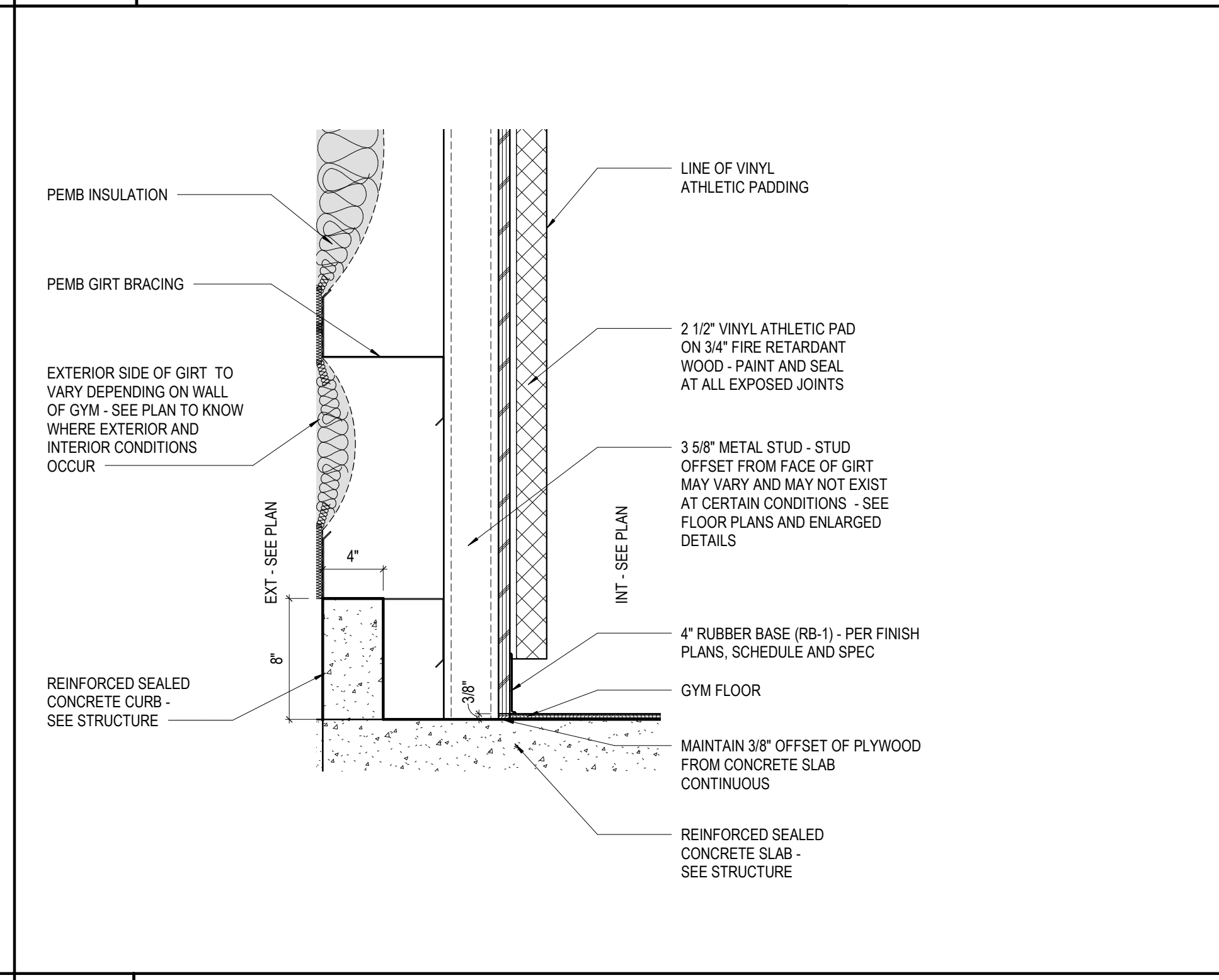
E1 A1 / A3.22



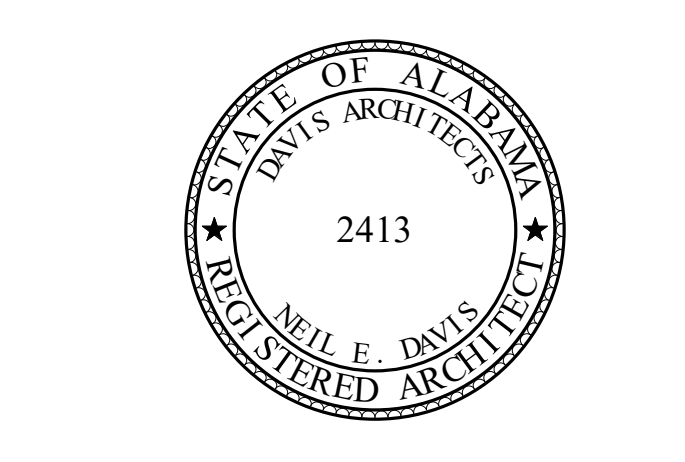
E6 K1 / A3.22



A1 A1 / A3.22



A6 K1 / A3.22



**ORANGE BEACH RECREATION CENTER NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
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4790 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLOUGH

**ARCHITECT**  
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**STRUCTURAL ENGINEER**  
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205-323-6385  
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**MECHANICAL / PLUMBING ENGINEER**  
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ATTN: CHRIS DEARMON / VAN SIMPSON

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251-460-4648  
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

DATE: 2-18-2019

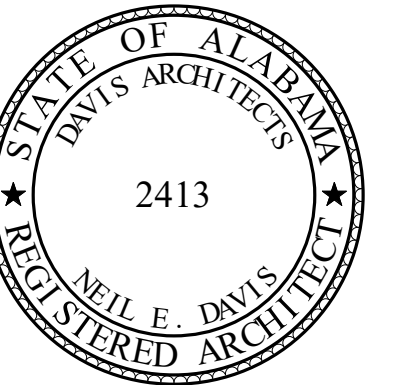
SCALE: 100% CONSTRUCTION DOCUMENTS

DRAWN BY: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: INTERIOR DETAILS

DRAWING NO. A5.30





ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM



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ORANGE BEACH, AL

DAVIS ARCHITECTS

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REV DATE DESCRIPTION

DATE 2-18-2019

PROJECT 100% CONSTRUCTION DOCUMENTS

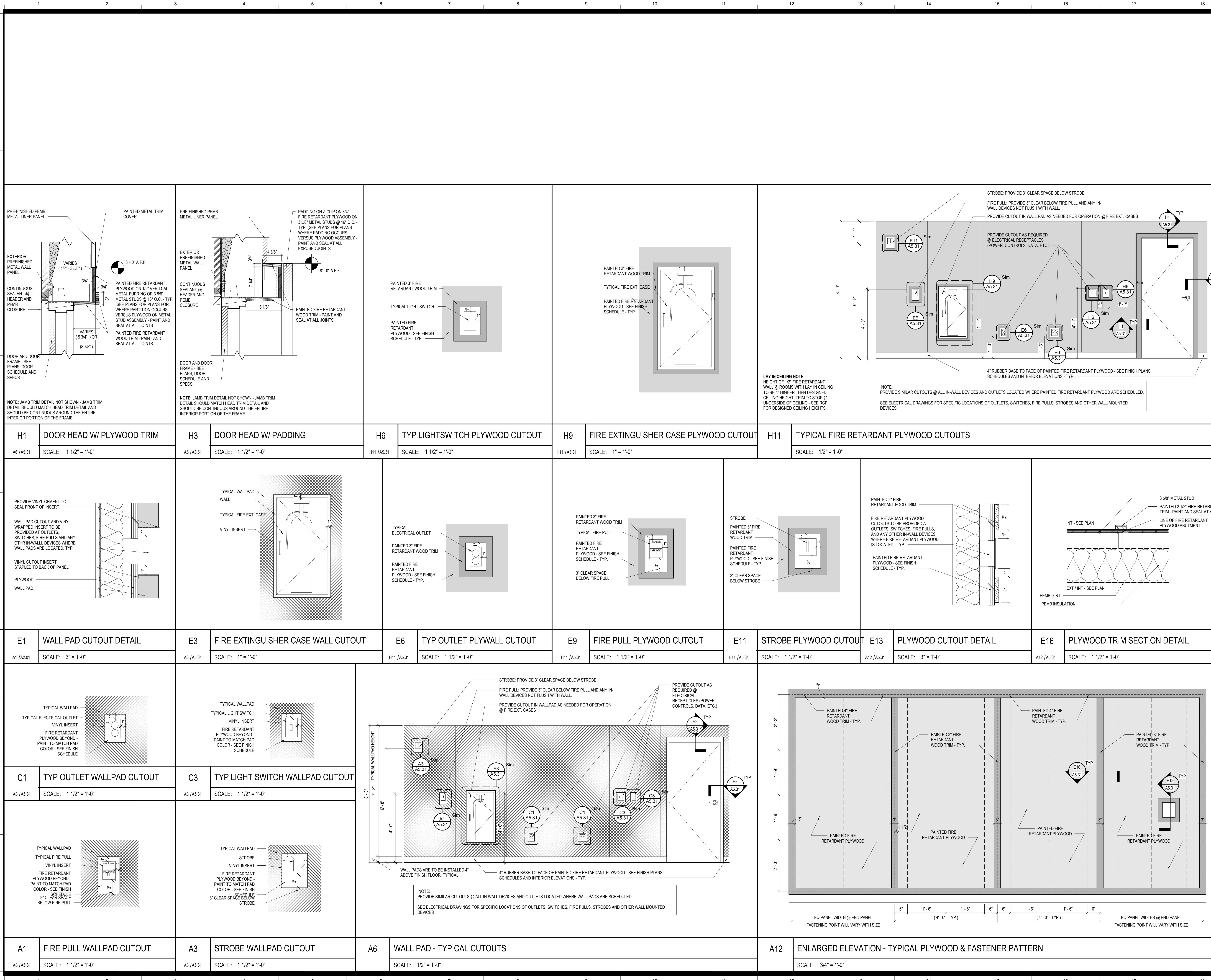
DRAWN BY DAVIS ARCHITECTS PROJECT NO. 3891.01

SHEET TITLE

INTERIOR DETAILS

DRAWING NO.

A5.31



H1 DOOR HEAD W/ PLYWOOD TRIM  
SCALE: 1 1/2" = 1'-0"

H3 DOOR HEAD W/ PADDING  
SCALE: 1 1/2" = 1'-0"

H6 TYP LIGHTSWITCH PLYWOOD CUTOUT  
SCALE: 1 1/2" = 1'-0"

H9 FIRE EXTINGUISHER CASE PLYWOOD CUTOUT  
SCALE: 1" = 1'-0"

H11 TYPICAL FIRE RETARDANT PLYWOOD CUTOUTS  
SCALE: 1/2" = 1'-0"

E1 WALL PAD CUTOUT DETAIL  
SCALE: 3" = 1'-0"

E3 FIRE EXTINGUISHER CASE WALL CUTOUT  
SCALE: 1" = 1'-0"

E6 TYP OUTLET PLYWALL CUTOUT  
SCALE: 1 1/2" = 1'-0"

E9 FIRE PULL PLYWOOD CUTOUT  
SCALE: 1 1/2" = 1'-0"

E11 STROBE PLYWOOD CUTOUT  
SCALE: 1 1/2" = 1'-0"

E13 PLYWOOD CUTOUT DETAIL  
SCALE: 3" = 1'-0"

E16 PLYWOOD TRIM SECTION DETAIL  
SCALE: 1 1/2" = 1'-0"

C1 TYP OUTLET WALLPAD CUTOUT  
SCALE: 1 1/2" = 1'-0"

C3 TYP LIGHT SWITCH WALLPAD CUTOUT  
SCALE: 1 1/2" = 1'-0"

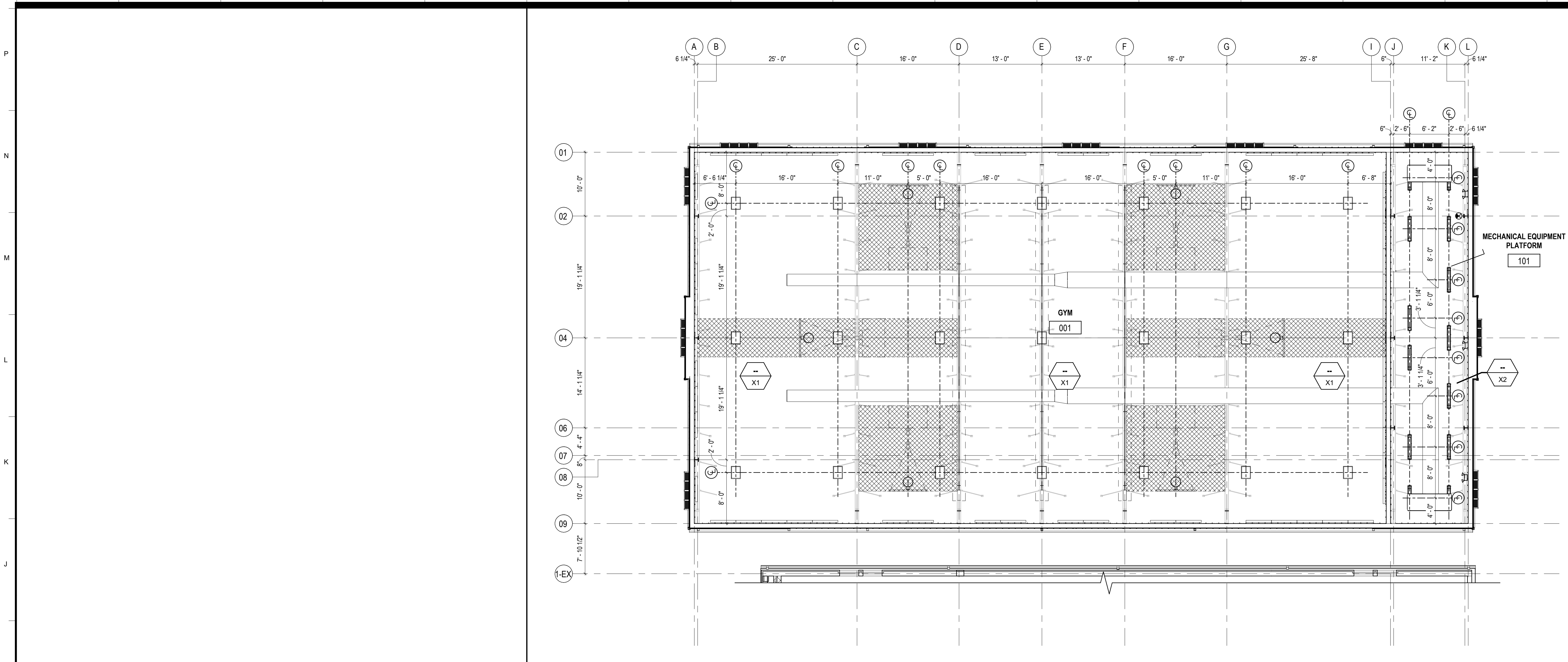
A1 FIRE PULL WALLPAD CUTOUT  
SCALE: 1 1/2" = 1'-0"

A3 STROBE WALLPAD CUTOUT  
SCALE: 1 1/2" = 1'-0"

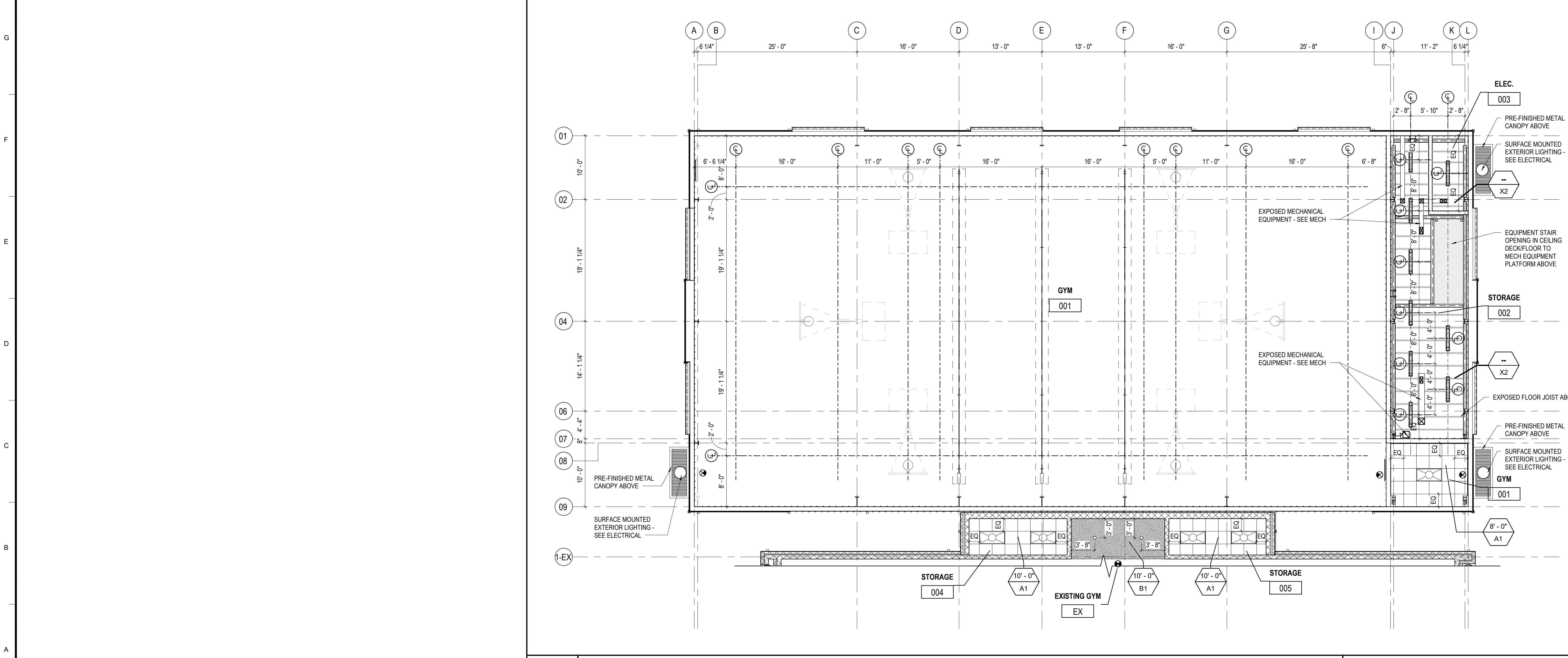
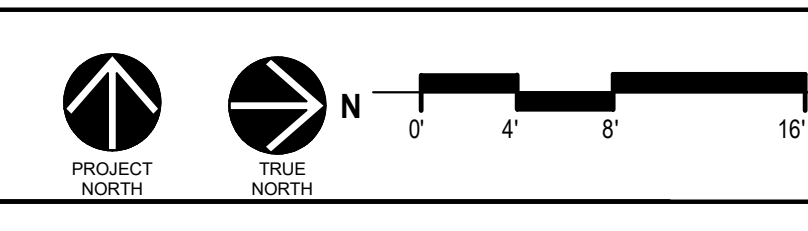
A6 WALL PAD - TYPICAL CUTOUTS  
SCALE: 1/2" = 1'-0"

A12 ENLARGED ELEVATION - TYPICAL PLYWOOD & FASTENER PATTERN  
SCALE: 3/4" = 1'-0"

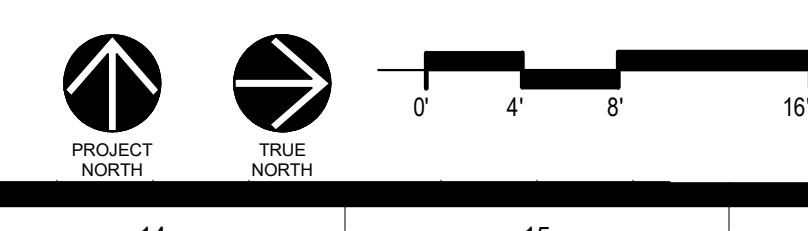




**H6 MECHANICAL EQUIPMENT PLATFORM - REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



**A6 LEVEL 1 - REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



### RCP SYMBOLS LEGEND

- 2 X 4 FIXTURE - SEE ELEC.
- HIGH BEAM LED FIXTURE - SEE ELEC.
- FLUORESCENT STRIP - SEE ELEC.
- CANOPY SURFACE MOUNT FIXTURE - SEE ELEC.
- EXIT SIGN - SEE ELEC.
- EMERGENCY EGRESS LIGHT - SEE ELEC.
- MECHANICAL RETURN - SEE MECH.
- MECHANICAL SUPPLY - SEE MECH.

### CEILING TAG

- 9'-4" HEIGHT ABOVE FINISH FLOOR
- B2 CEILING MATERIAL TYPE

### MATERIALS LEGEND

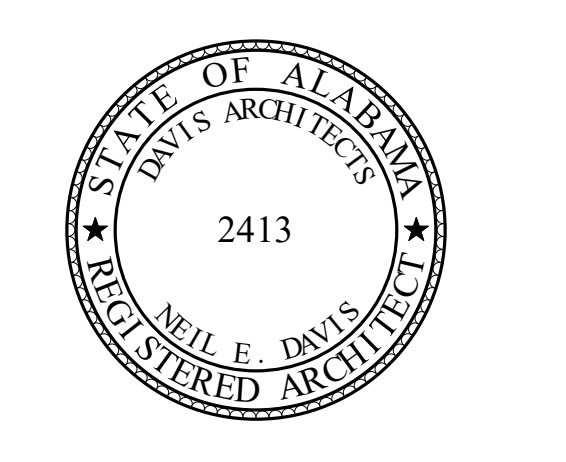
A1	2X2 ACOUSTICAL LAY-IN CEILING & GRID	
B1	GYPSUM BOARD, PAINTED	
X1	EXPOSED CEILING, PAINTED HPC-2	
X2	EXPOSED CEILING, NOT PAINTED	

### MISC LEGEND

GC TO HAVE PEMB MANUFACTURER TO PROVIDE ADDITIONAL STRUCTURE, BEAMS AND/OR BRACING FOR CEILING HUNG GYM EQUIPMENT - TYP.

GC TO COORDINATE GYM EQUIPMENT STRUCTURAL NEEDS WITH PEMB MANUFACTURER PRIOR TO APPROVAL OF SHOP DRAWINGS - TYP.

- ### GENERAL NOTES
- SEE MECHANICAL AND ELECTRICAL DRAWINGS & SCHEDULES FOR FINAL LOCATIONS WITH ARCHITECT.
  - ALL ELECTRICAL ITEMS AND LOCATIONS TO BE COORDINATED WITH ELECTRICAL DRAWINGS.
  - DIMENSIONS INDICATED ARE NOMINAL AT MASONRY OPENINGS - SEE WALL SECTIONS.
  - HEIGHTS INDICATED ARE RELATIVE TO FLOOR LEVEL WHERE CEILING TAG IS LOCATED UNLESS OTHERWISE NOTED.
  - CONTRACTOR TO PROVIDE ALL ACCESS PANELS IN REQUIRED GYPSUM BOARD CEILINGS TO COORDINATE WITH MEP. PAINT SAME COLOR AS CEILING. COORDINATE LOCATIONS AROUND LIGHTING AND MECHANICAL FIXTURES AND INDICATE ON SHOP COORDINATION DWGS SUBMITTED TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
  - UNLESS NOTED OTHERWISE, ALL UTILITIES (CONDUIT, WIRING, ETC.), STRUCTURE, & DUCTWORK SHALL BE PAINTED TO MATCH THE ADJACENT PAINTED SURFACE.
  - ALL SPRINKLER HEADS SHALL BE CENTERED VERTICALLY AND HORIZONTALLY IN ACT TILES, TYPICAL.
  - SEE FINISH LEGEND FOR MORE INFORMATION.
  - SEE FFE PLANS FOR ADDITIONAL ABBREVIATIONS.
  - AT CEILING TYPE X1, VINYL INSULATION TO REMAIN UNPAINTED.



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DATE: 2-18-2019

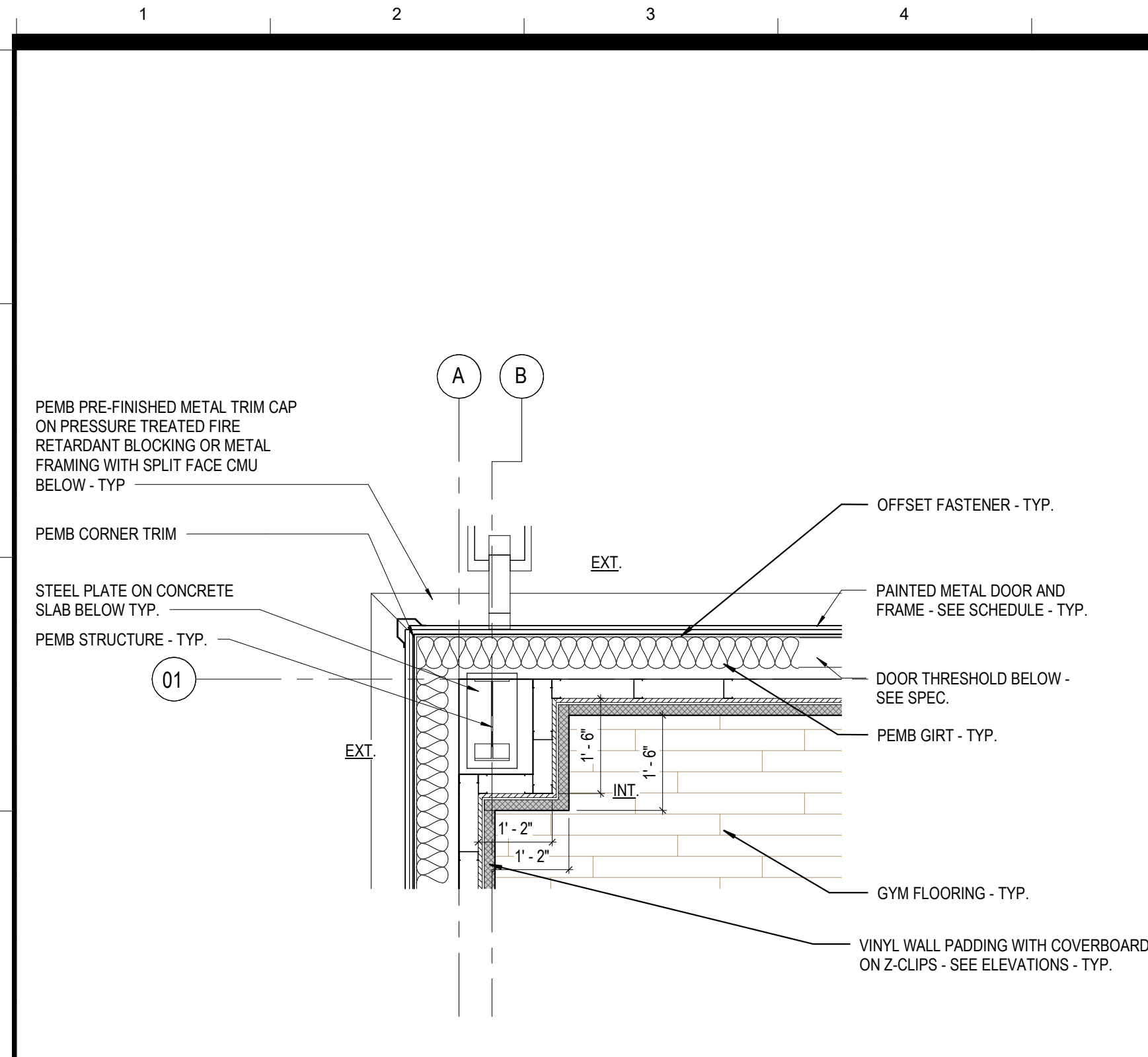
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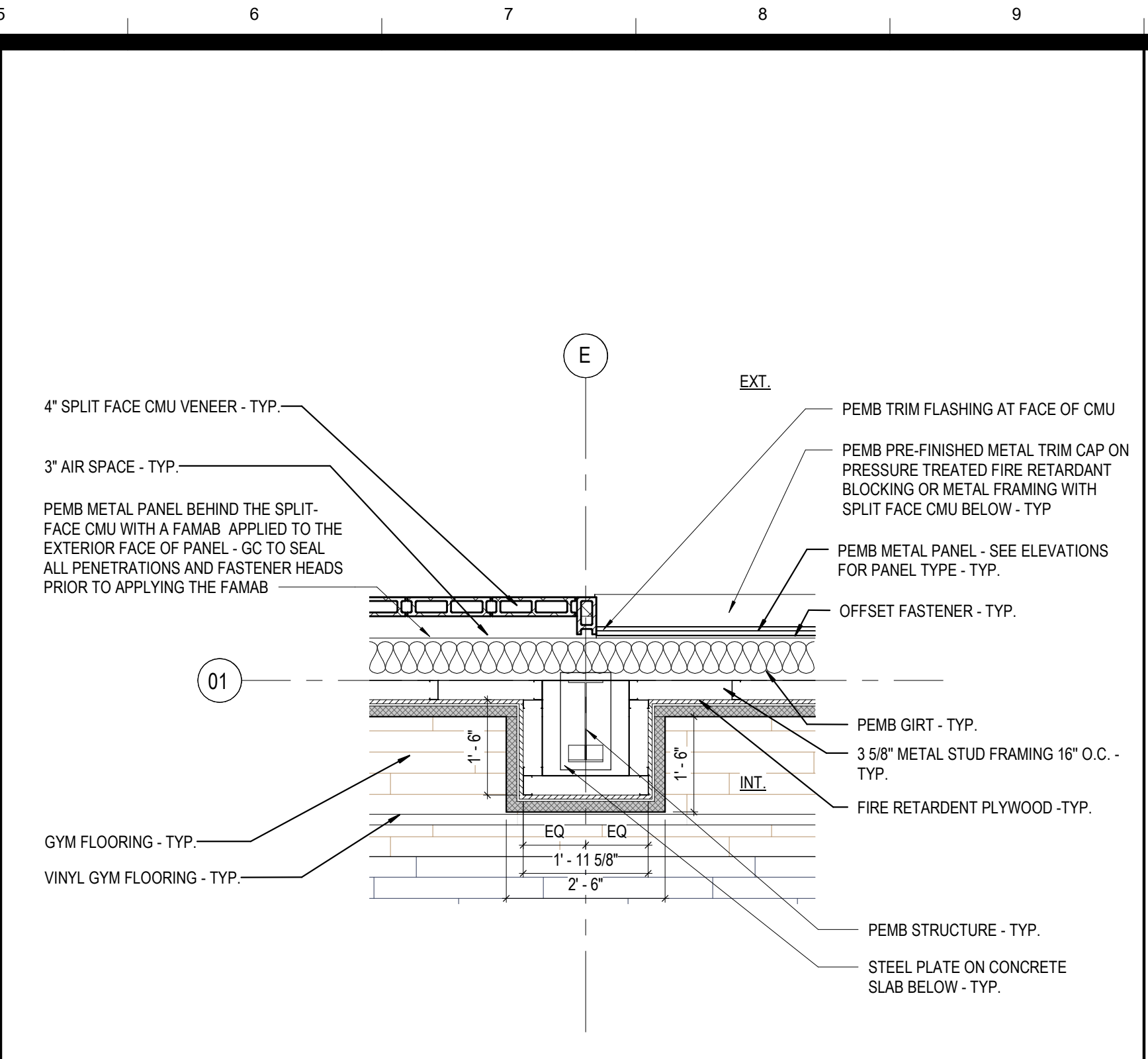
SHEET TITLE: REFLECTED CEILING PLANS & RCP DETAILS

DRAWING NO. A6.01

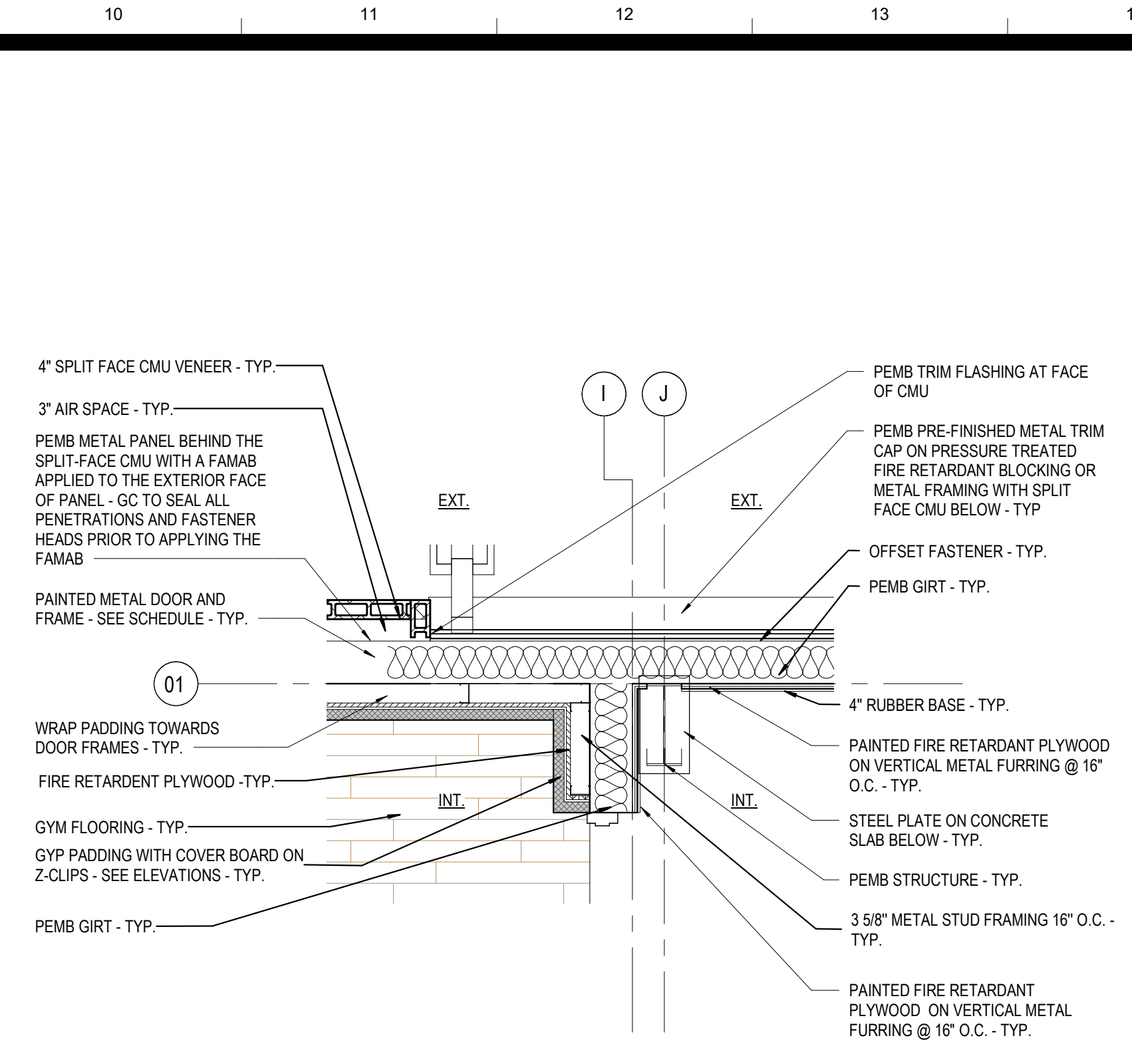




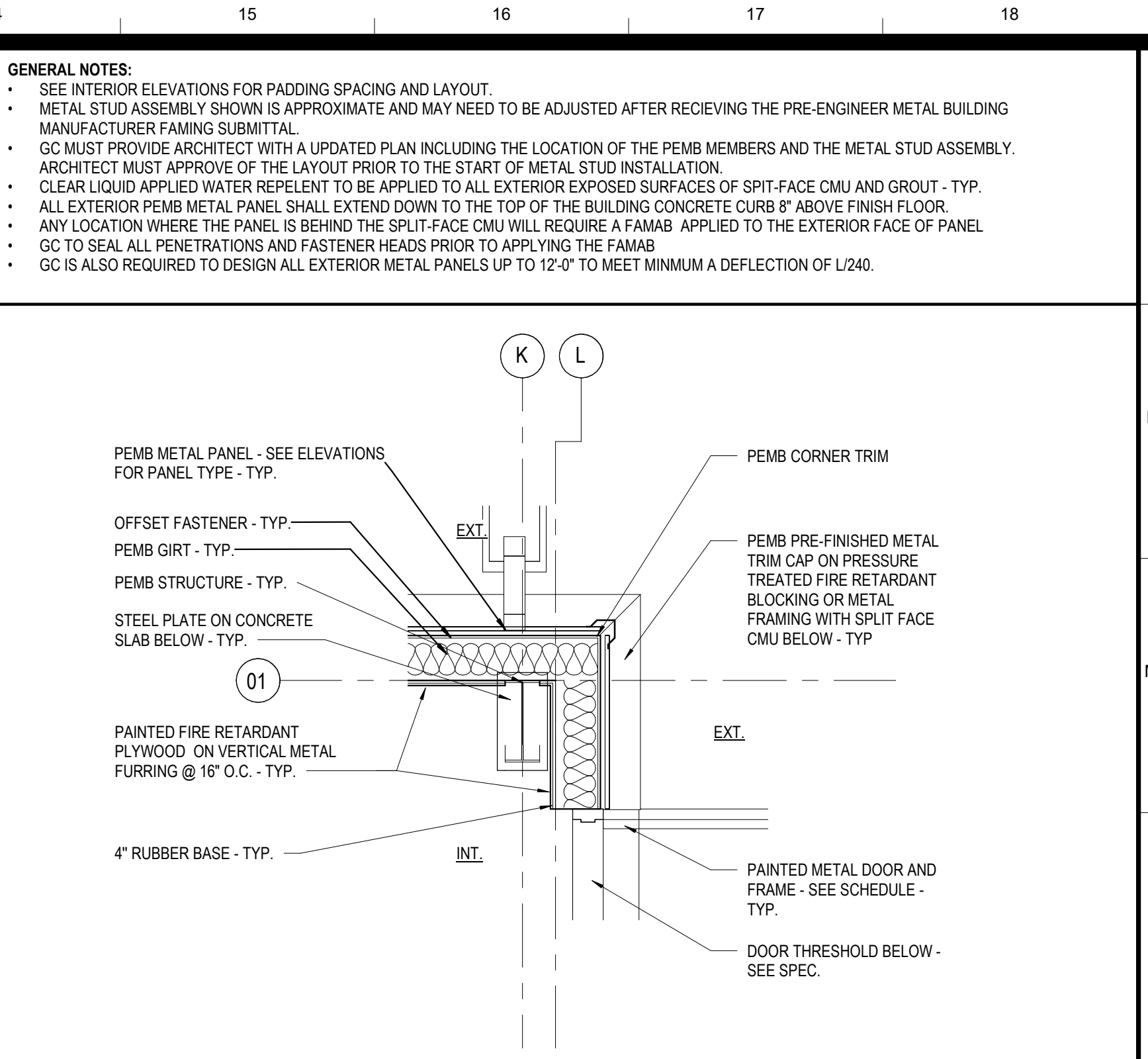
L1 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



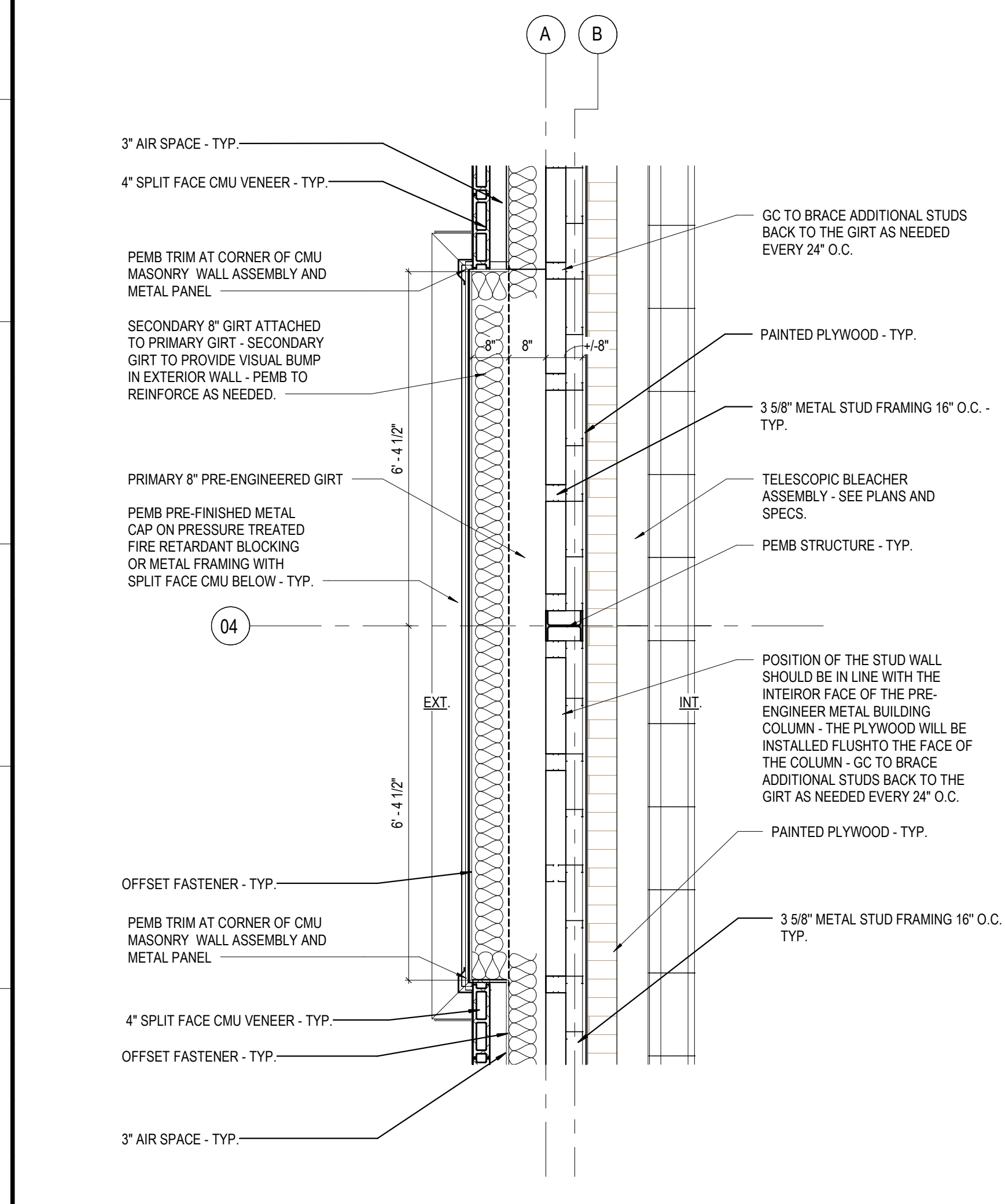
L5 PLAN DETAIL @ GYM (COLUMNS ALONG EAST & WEST WALL SIMILAR)  
A1/A2.01 SCALE: 1/2" = 1'-0"



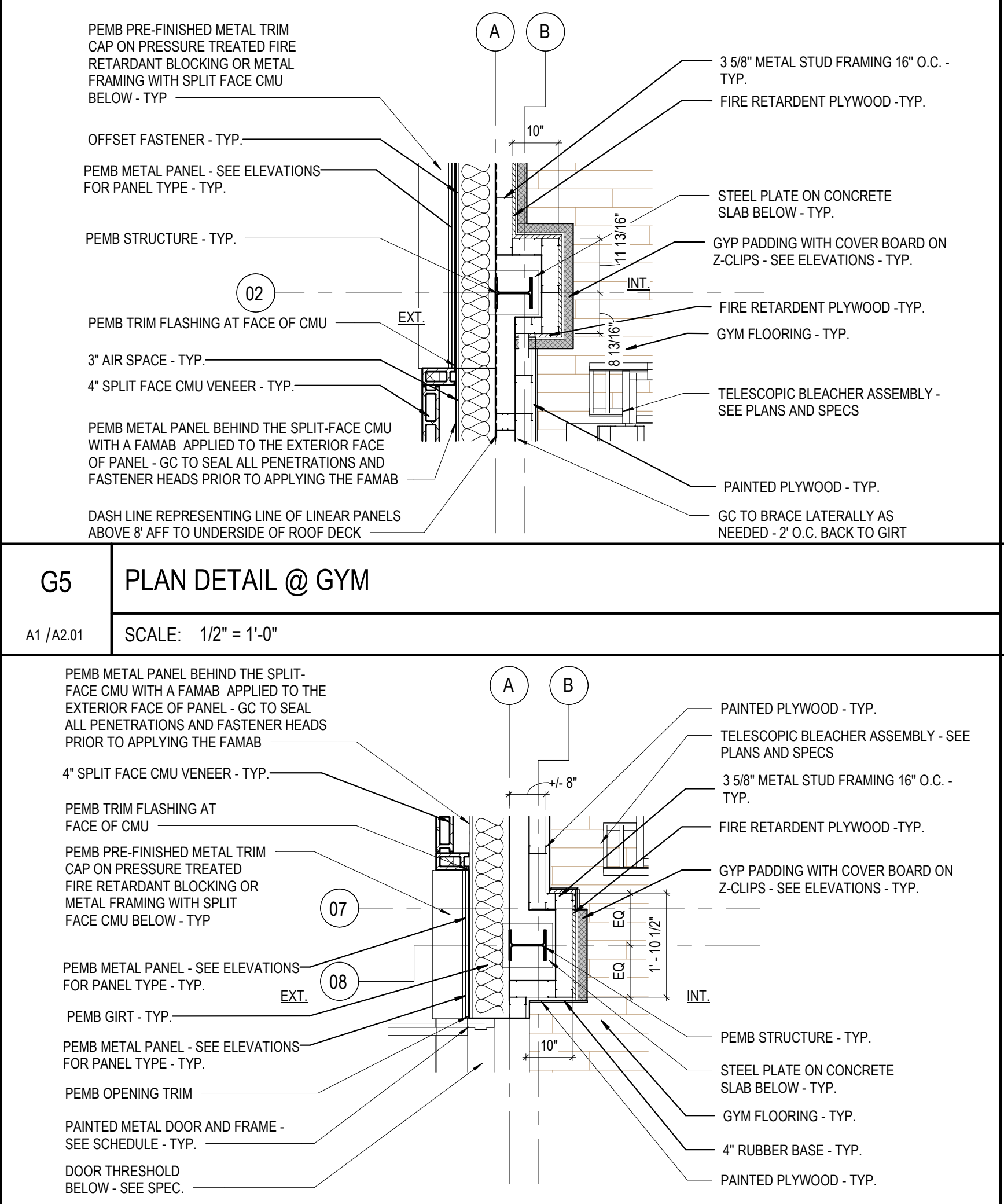
L10 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



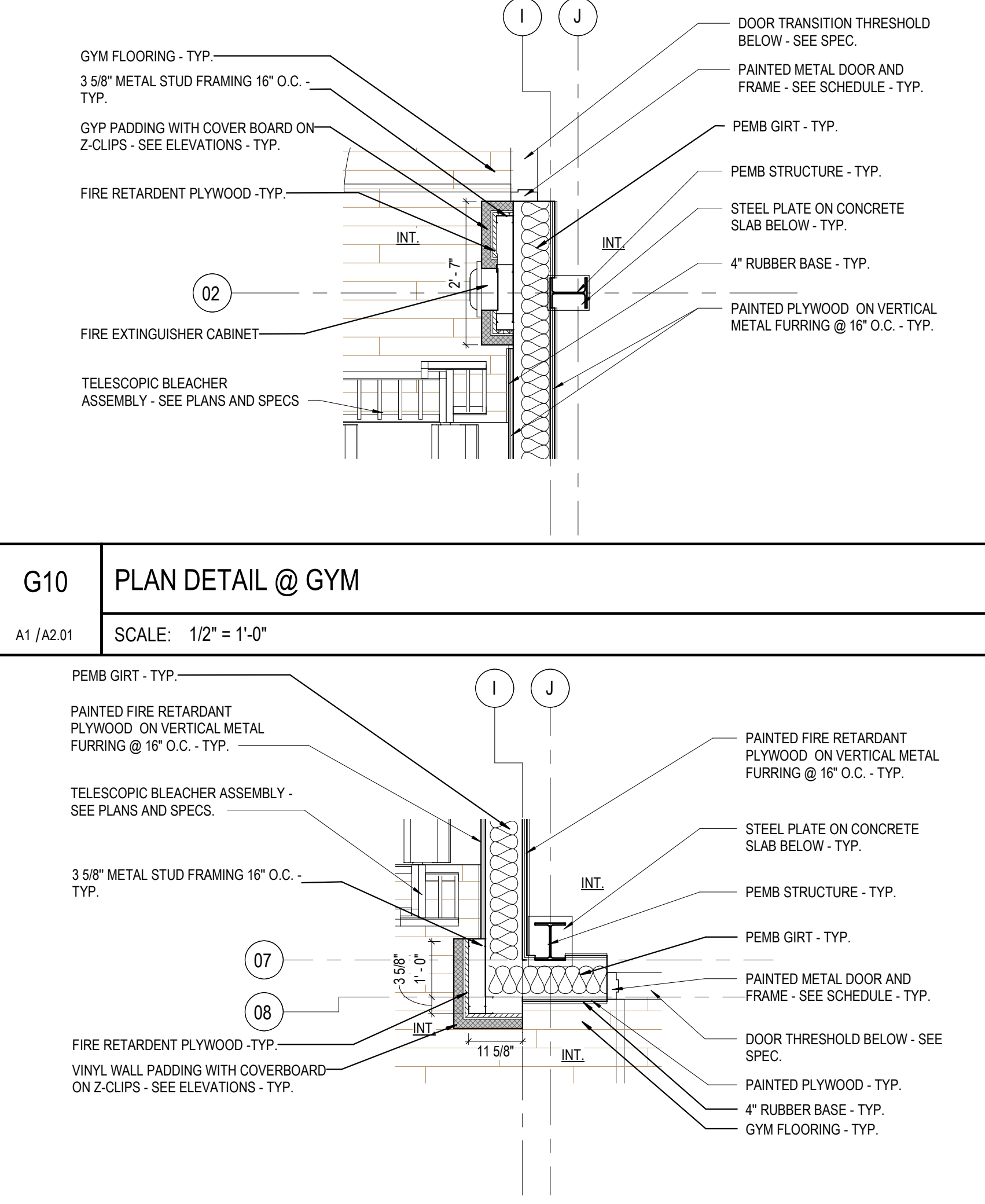
L14 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



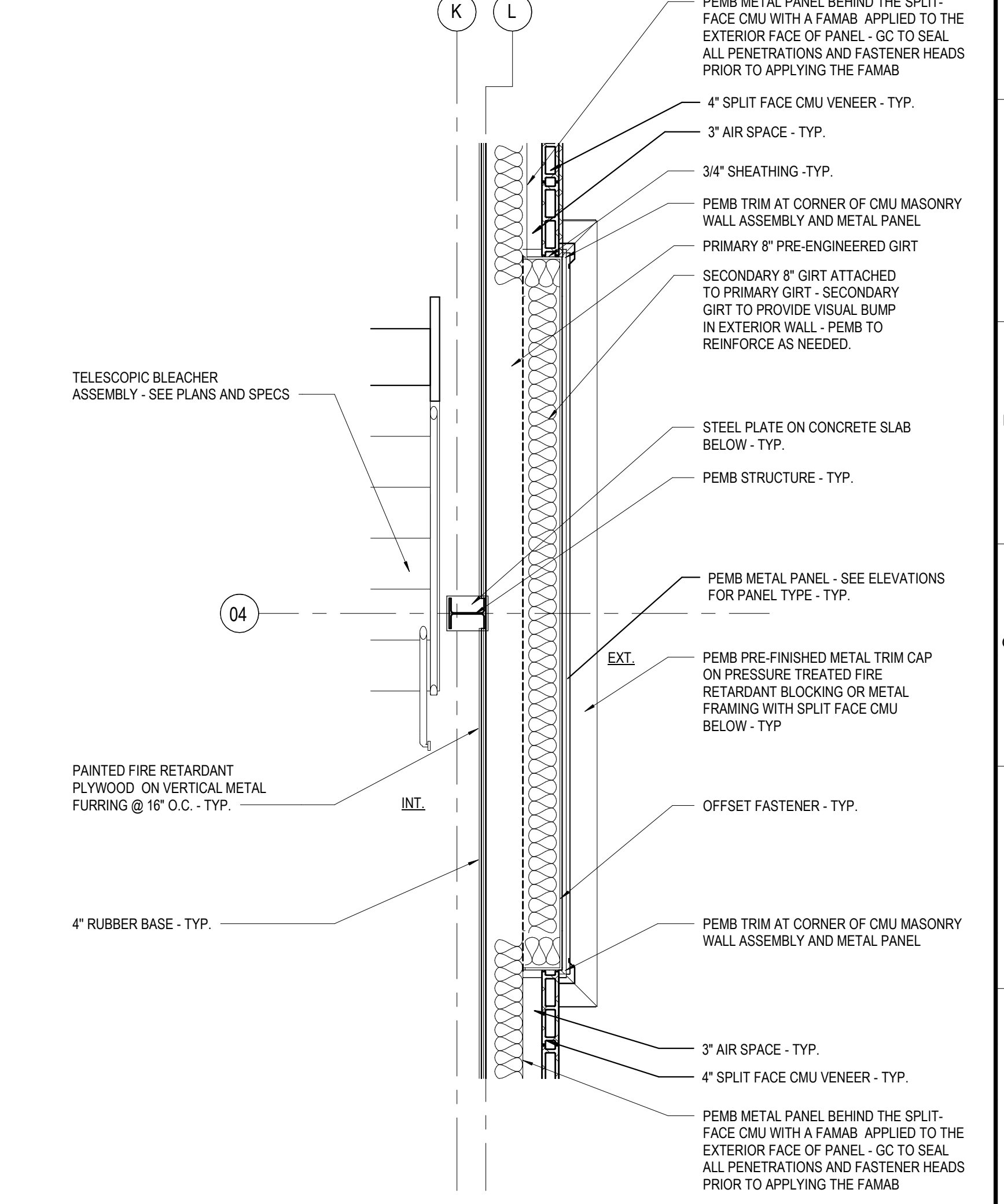
D1 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



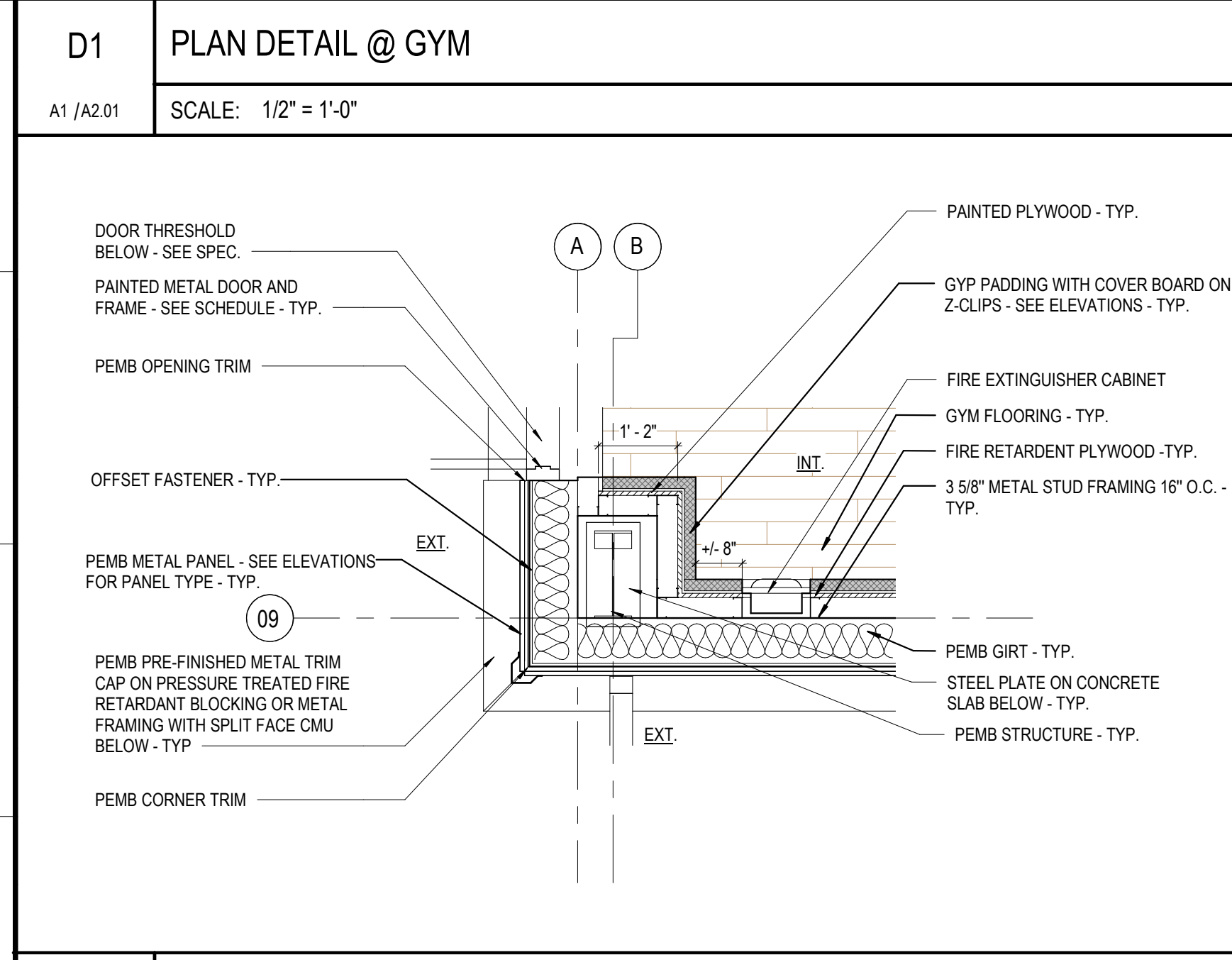
G5 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



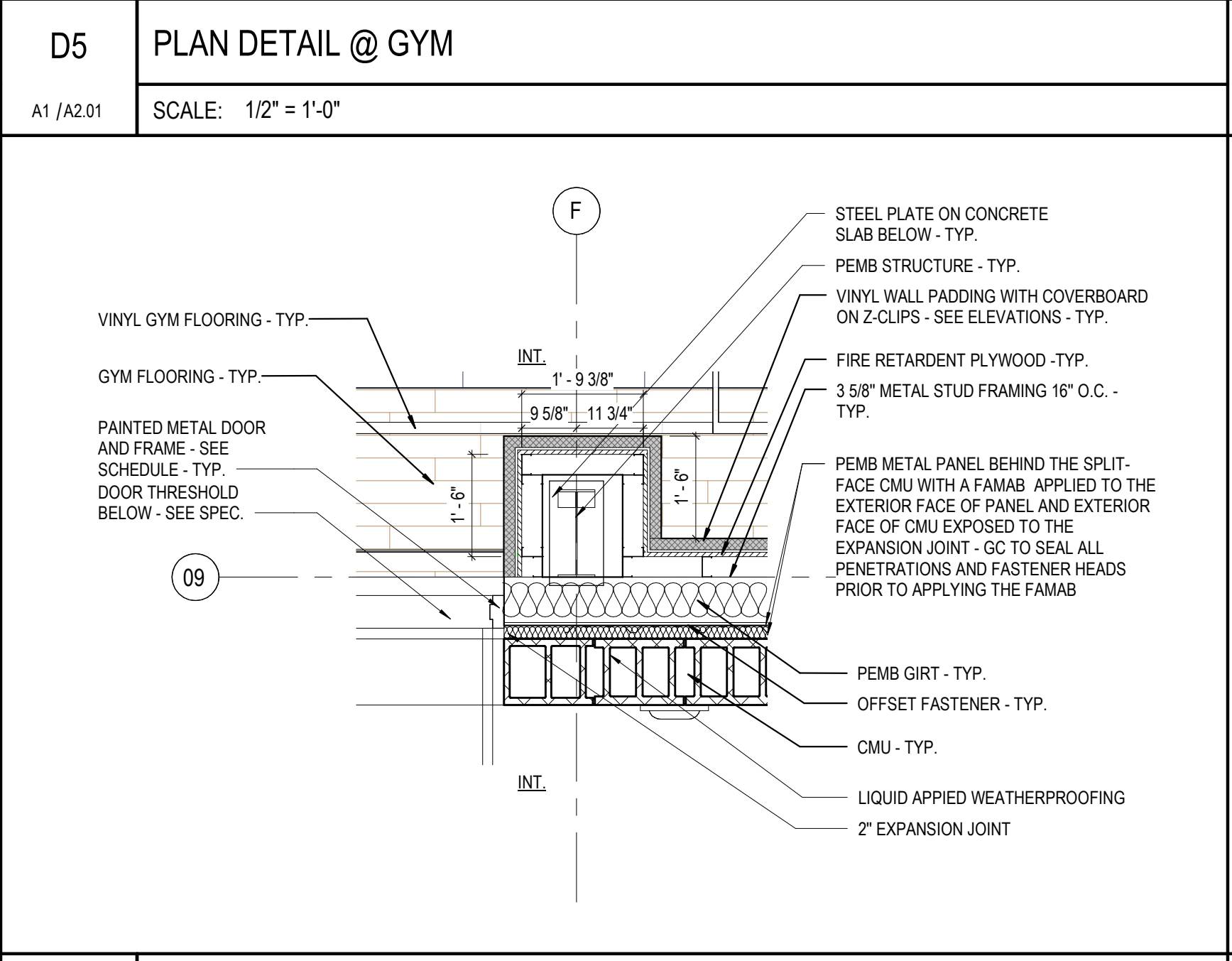
G10 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



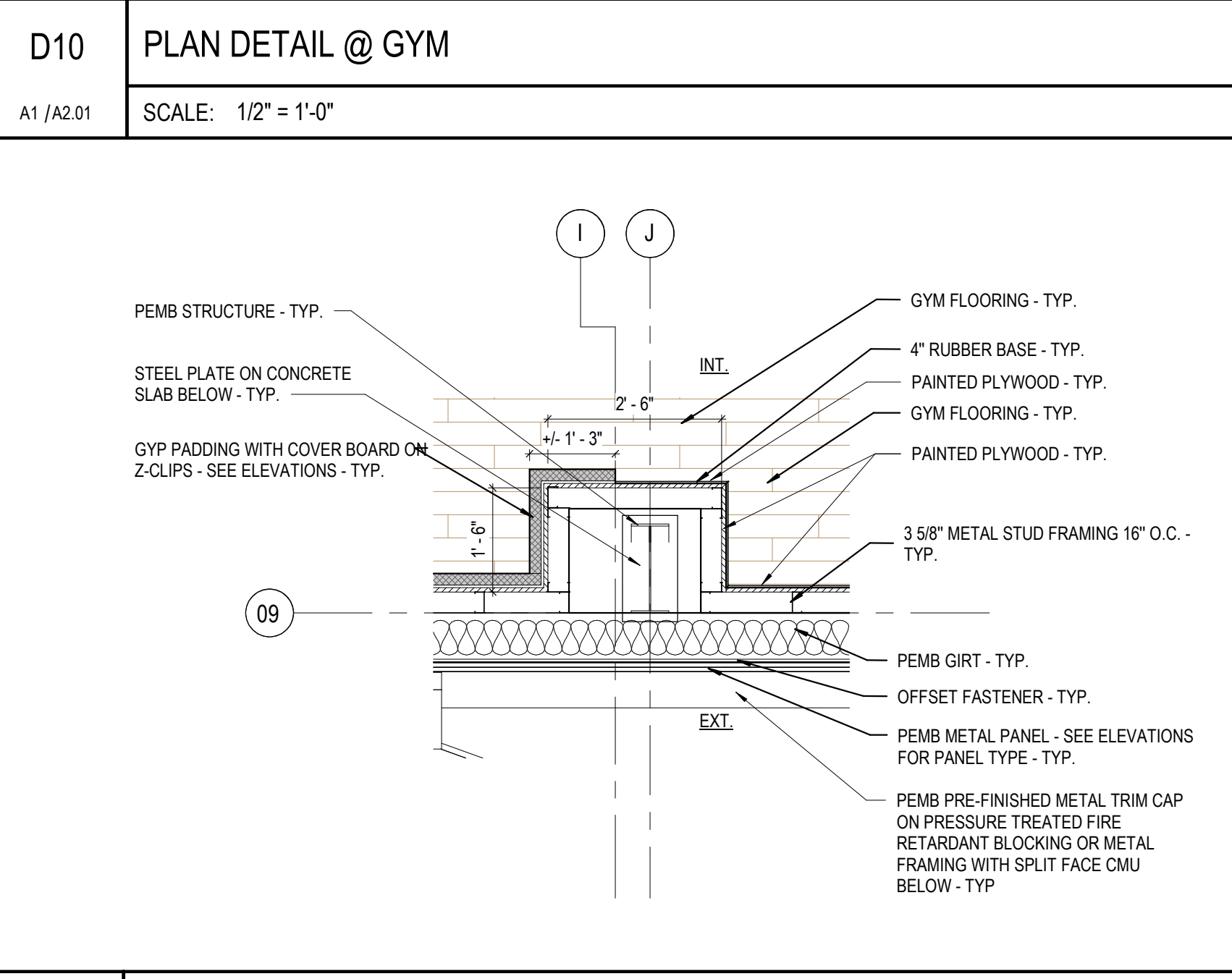
D14 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



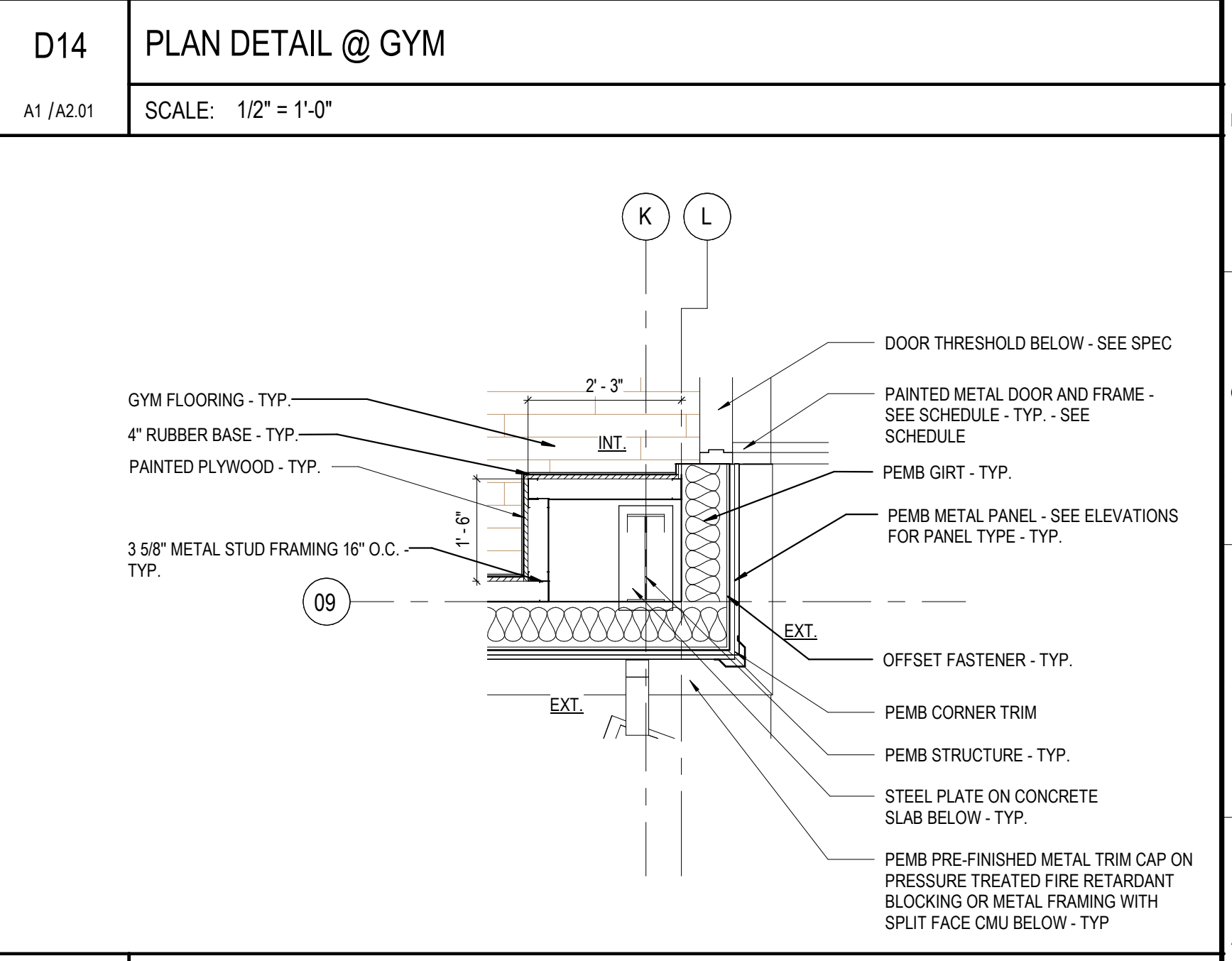
D5 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



D5 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



D10 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"



D14 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"

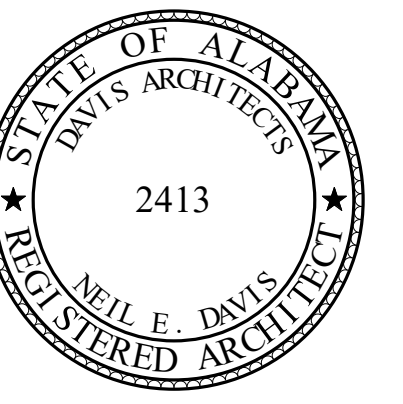
A1 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"

A5 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"

A10 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"

A14 PLAN DETAIL @ GYM  
A1/A2.01 SCALE: 1/2" = 1'-0"

GENERAL NOTES:  
 • SEE INTERIOR ELEVATIONS FOR PADDING SPACING AND LAYOUT.  
 • METAL STUD ASSEMBLY SHOWN IS APPROXIMATE AND MAY NEED TO BE ADJUSTED AFTER RECEIVING THE PRE-ENGINEER METAL BUILDING MANUFACTURER'S SUBMITTAL.  
 • GC MUST PROVIDE ARCHITECT WITH AN UPDATED PLAN INCLUDING THE LOCATION OF THE PEPM MEMBERS AND THE METAL STUD ASSEMBLY. ARCHITECT MUST APPROVE OF THE LAYOUT PRIOR TO THE START OF METAL STUD INSTALLATION.  
 • CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPLIT-FACE CMU AND GROUT - TYP.  
 • ALL EXTERIOR PEPM METAL PANEL SHALL EXTEND DOWN TO THE TOP OF THE BUILDING CONCRETE CURB 8\"/>



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REV DATE DESCRIPTION

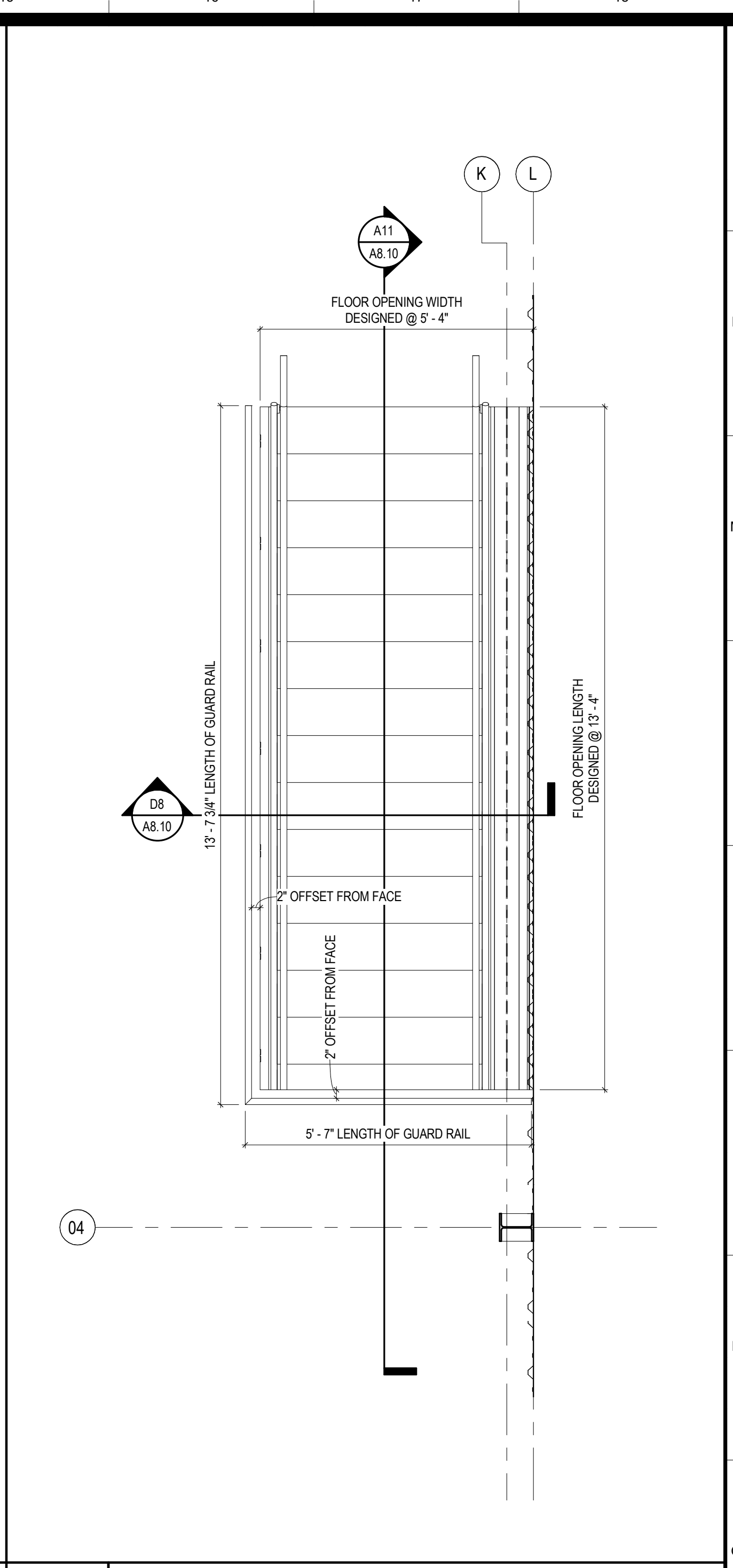
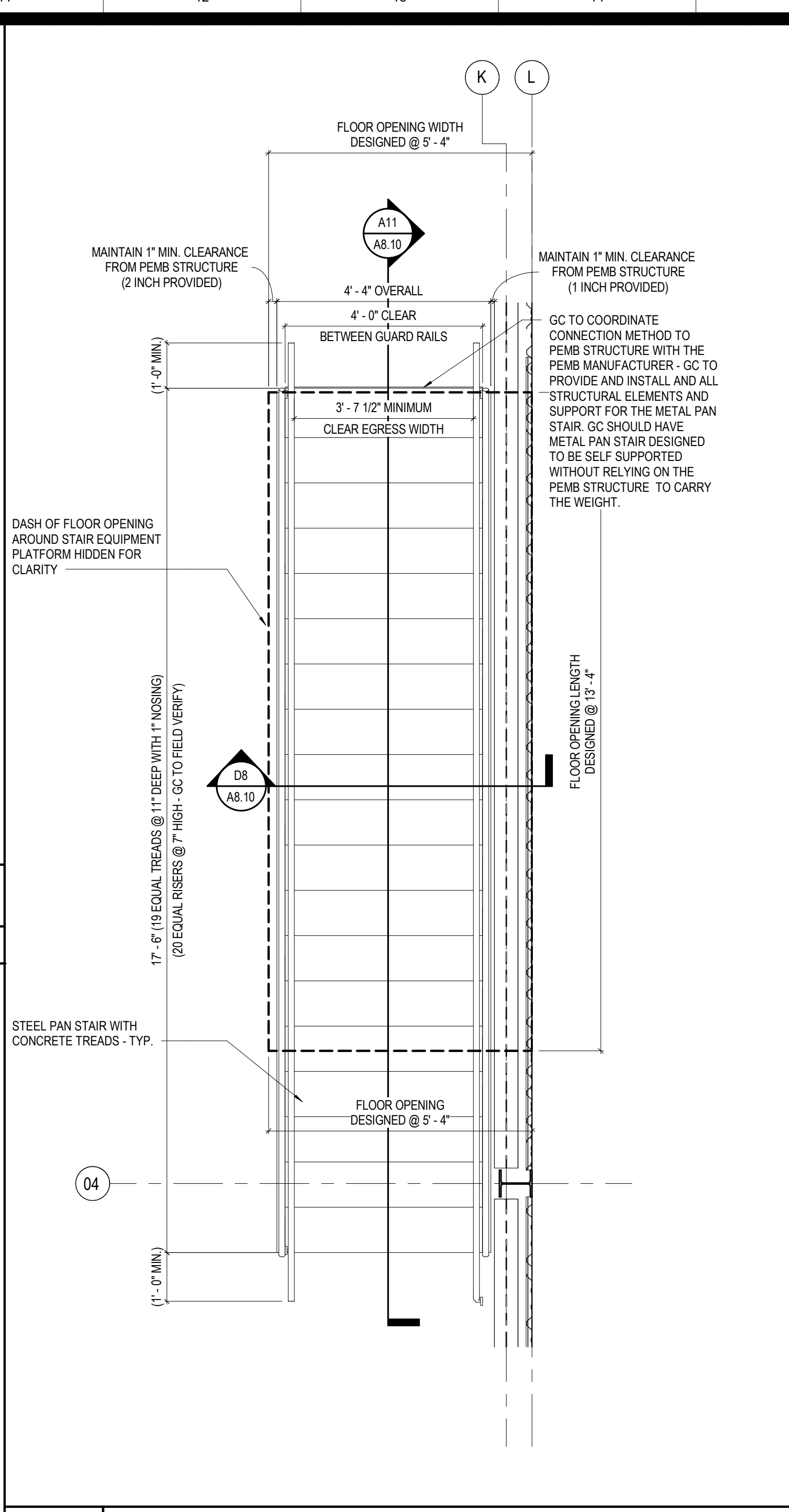
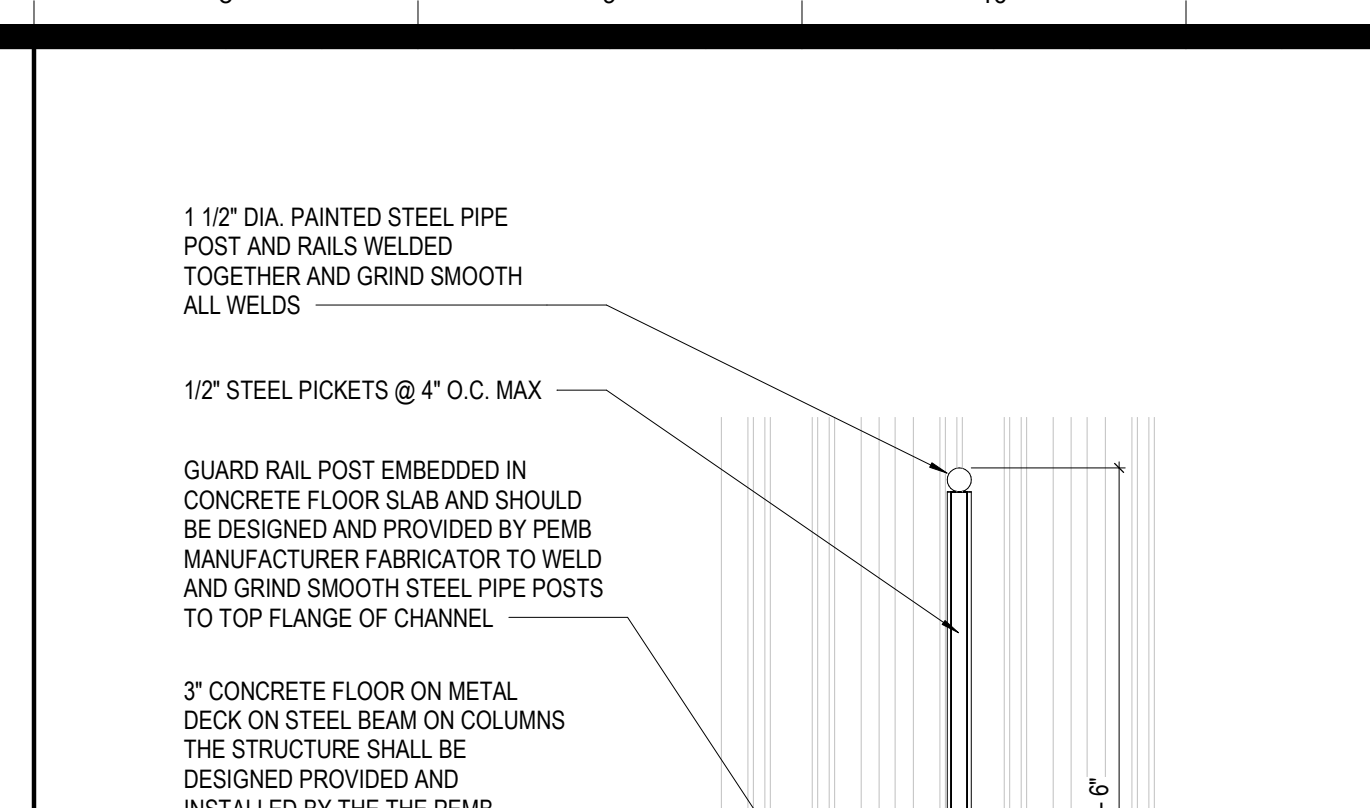
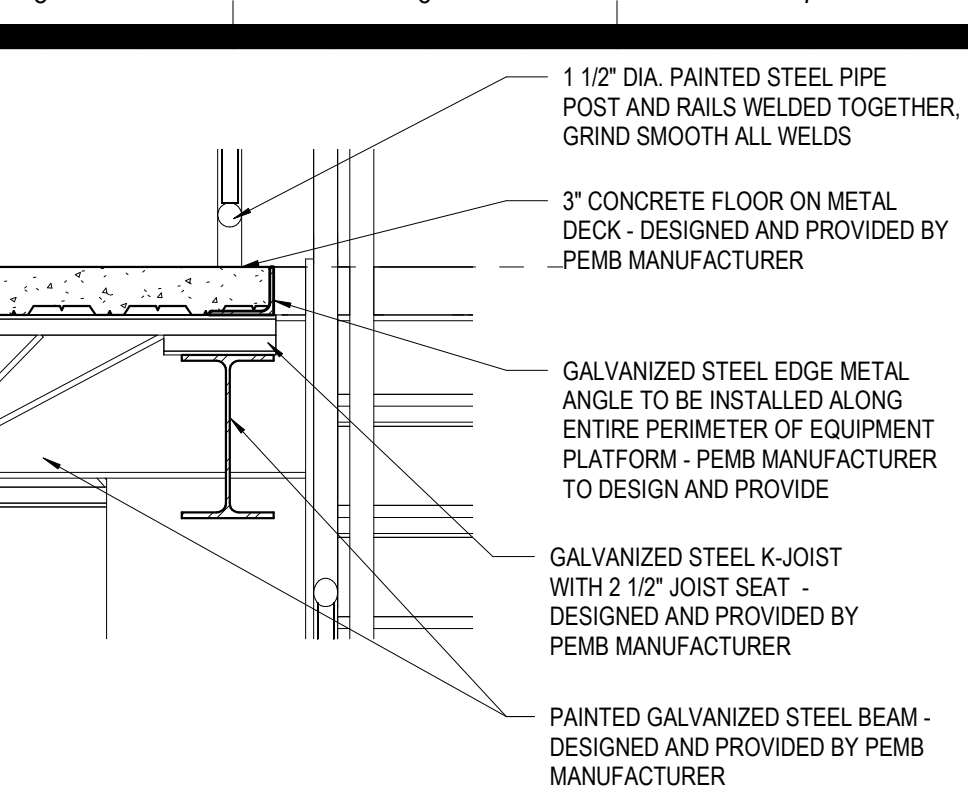
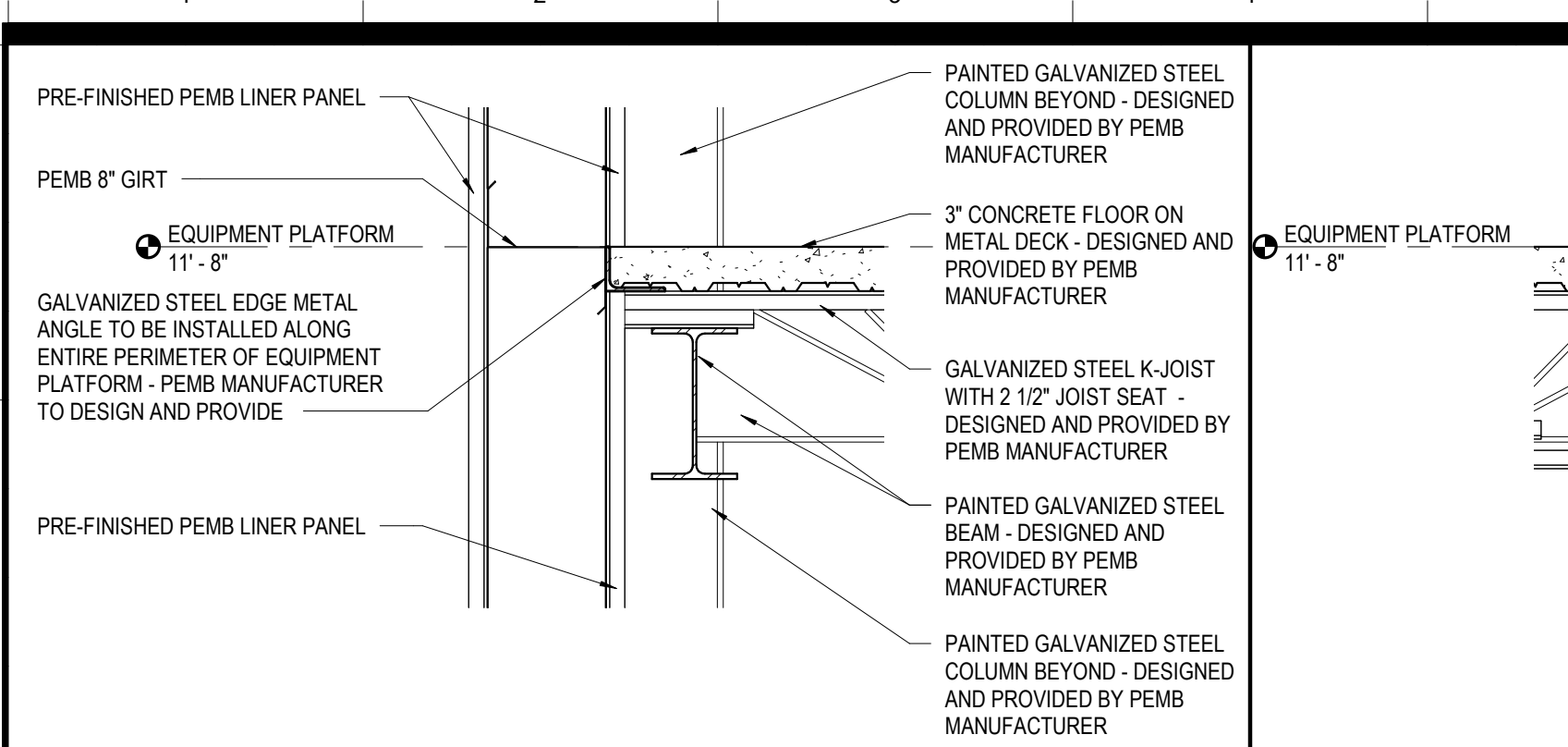
DATE	2-18-2019
PROJECT	100% CONSTRUCTION DOCUMENTS
DRAWN BY	DAVIS ARCHITECTS
PROJECT NO.	3891.01

ENLARGED PLAN DETAILS

DRAWING NO.

A8.01





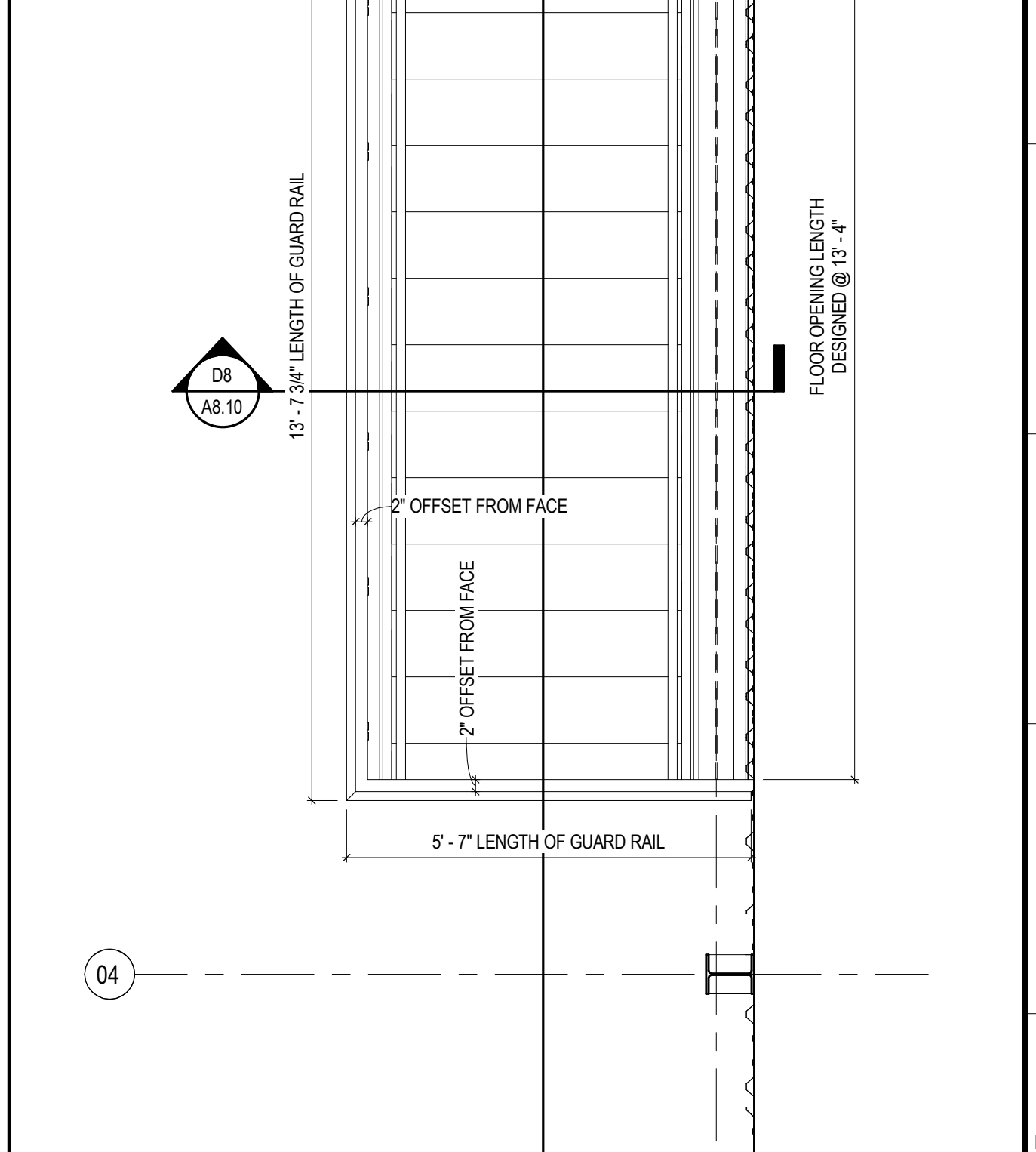
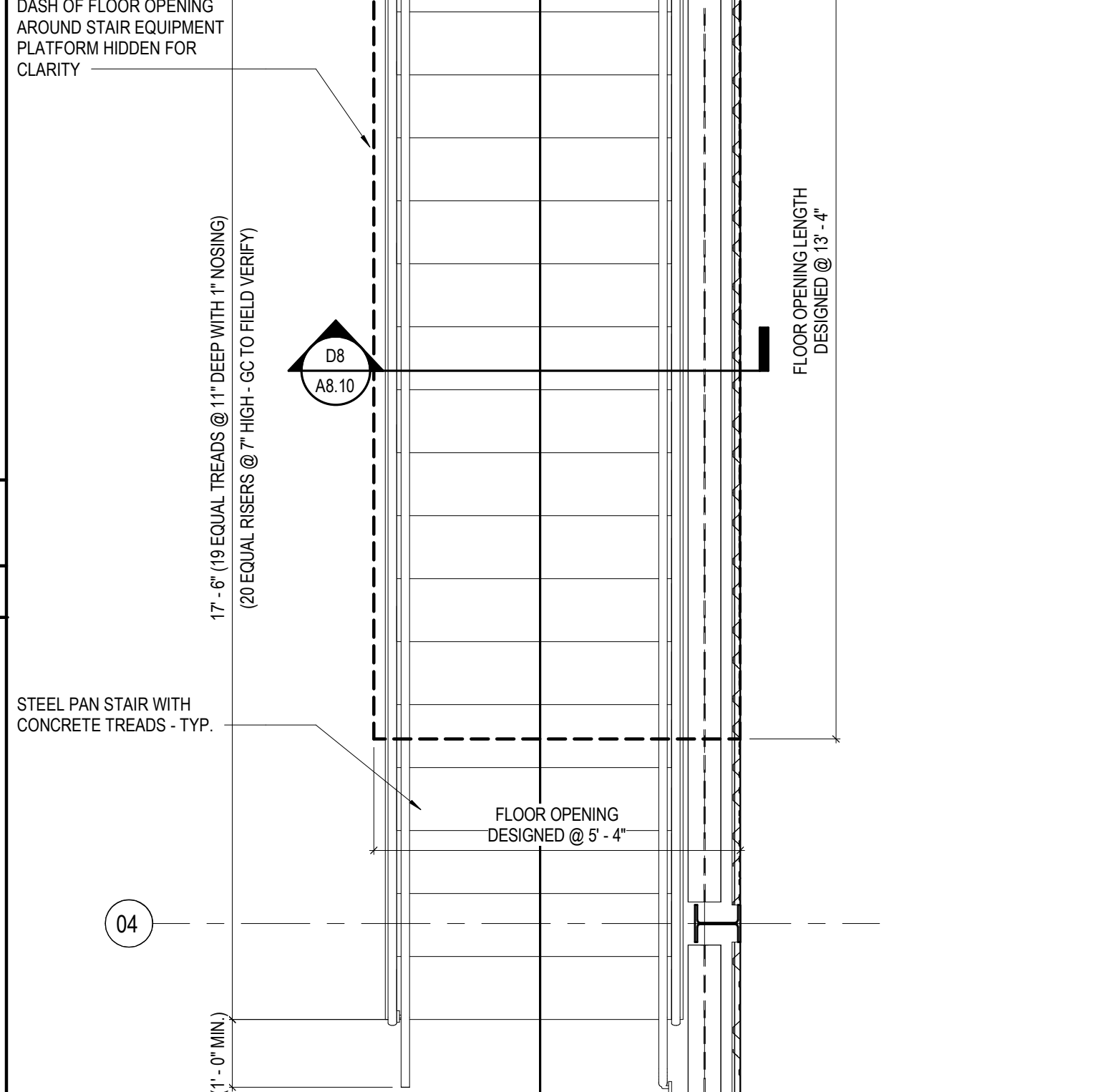
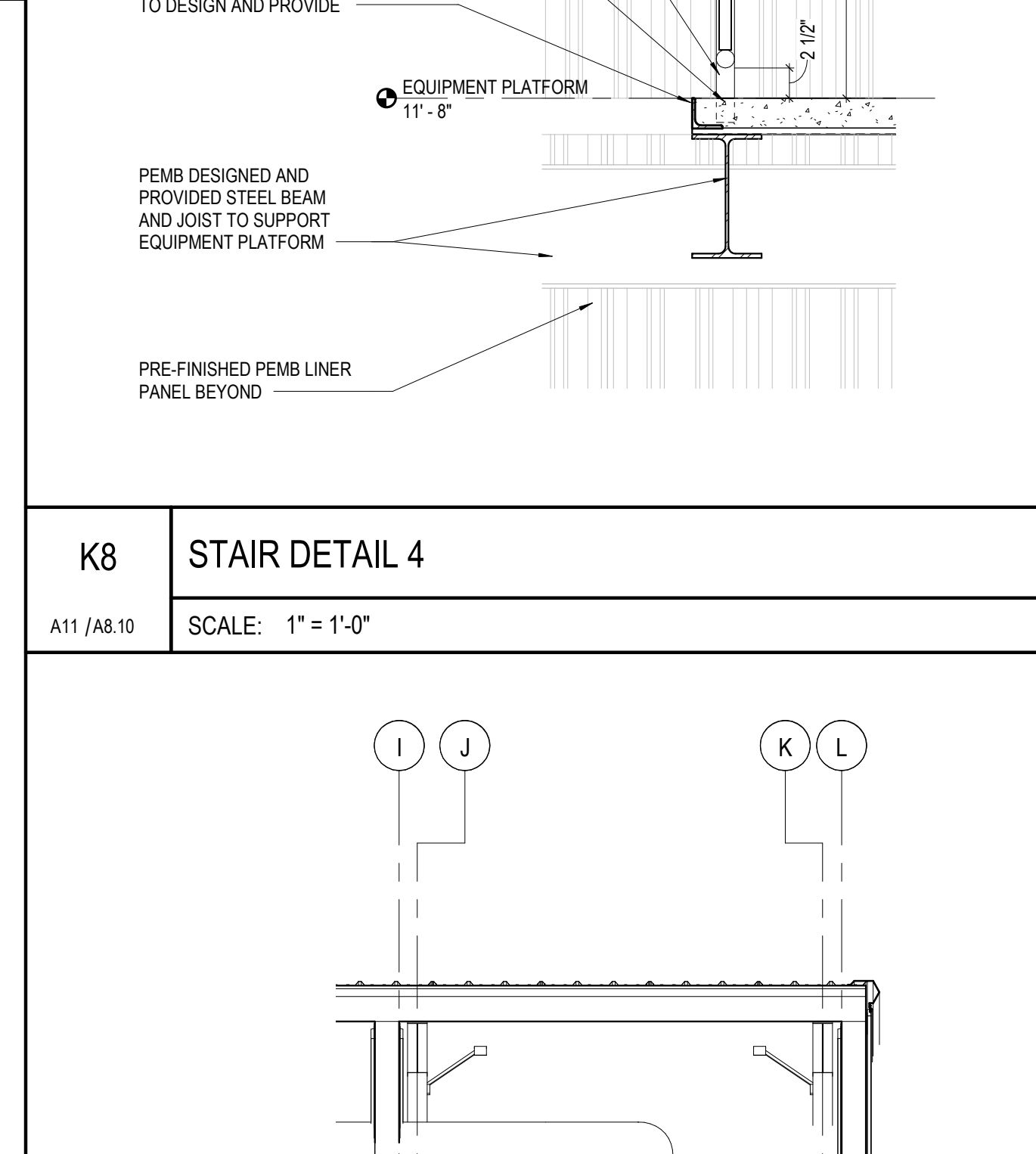
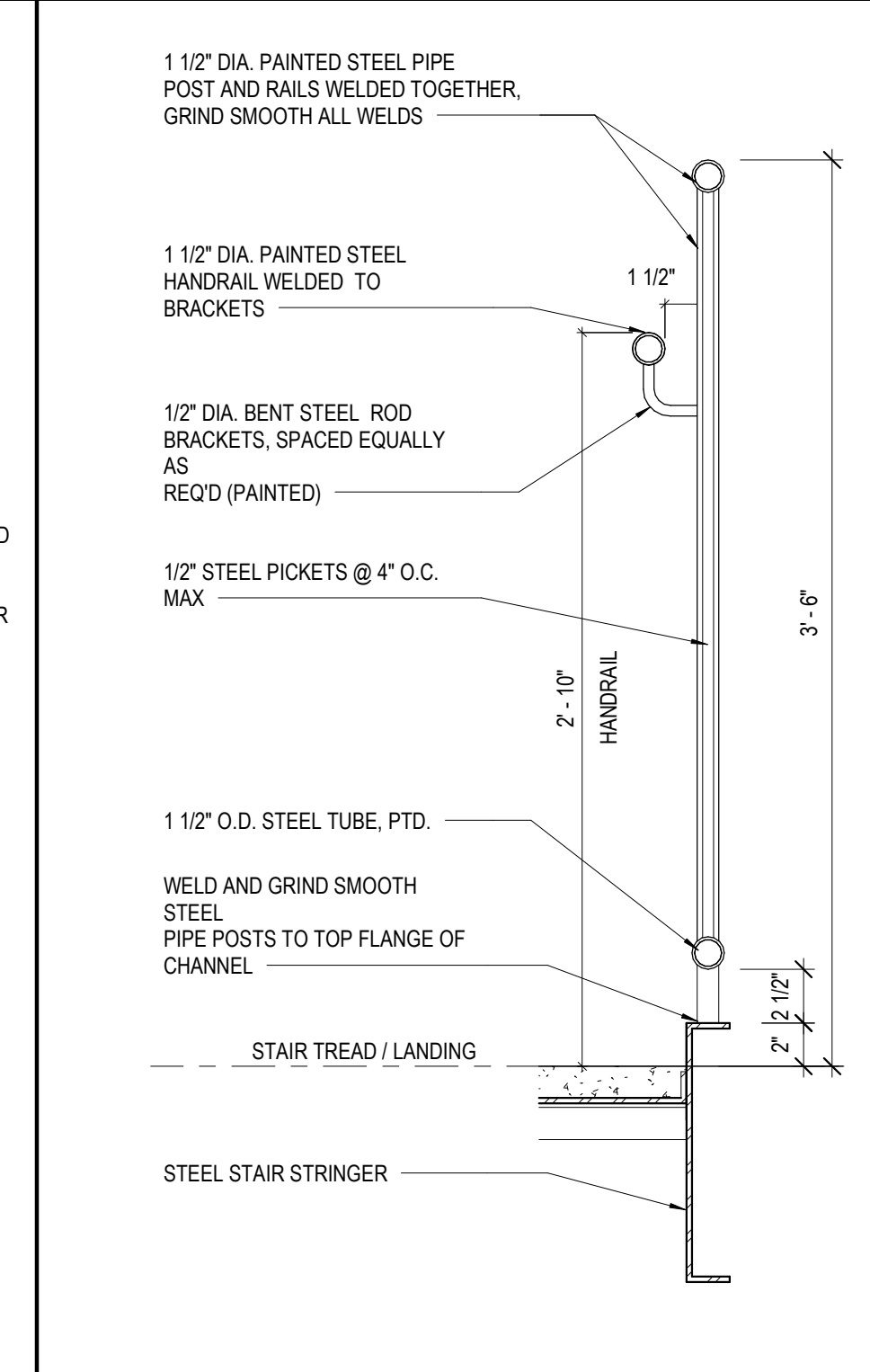
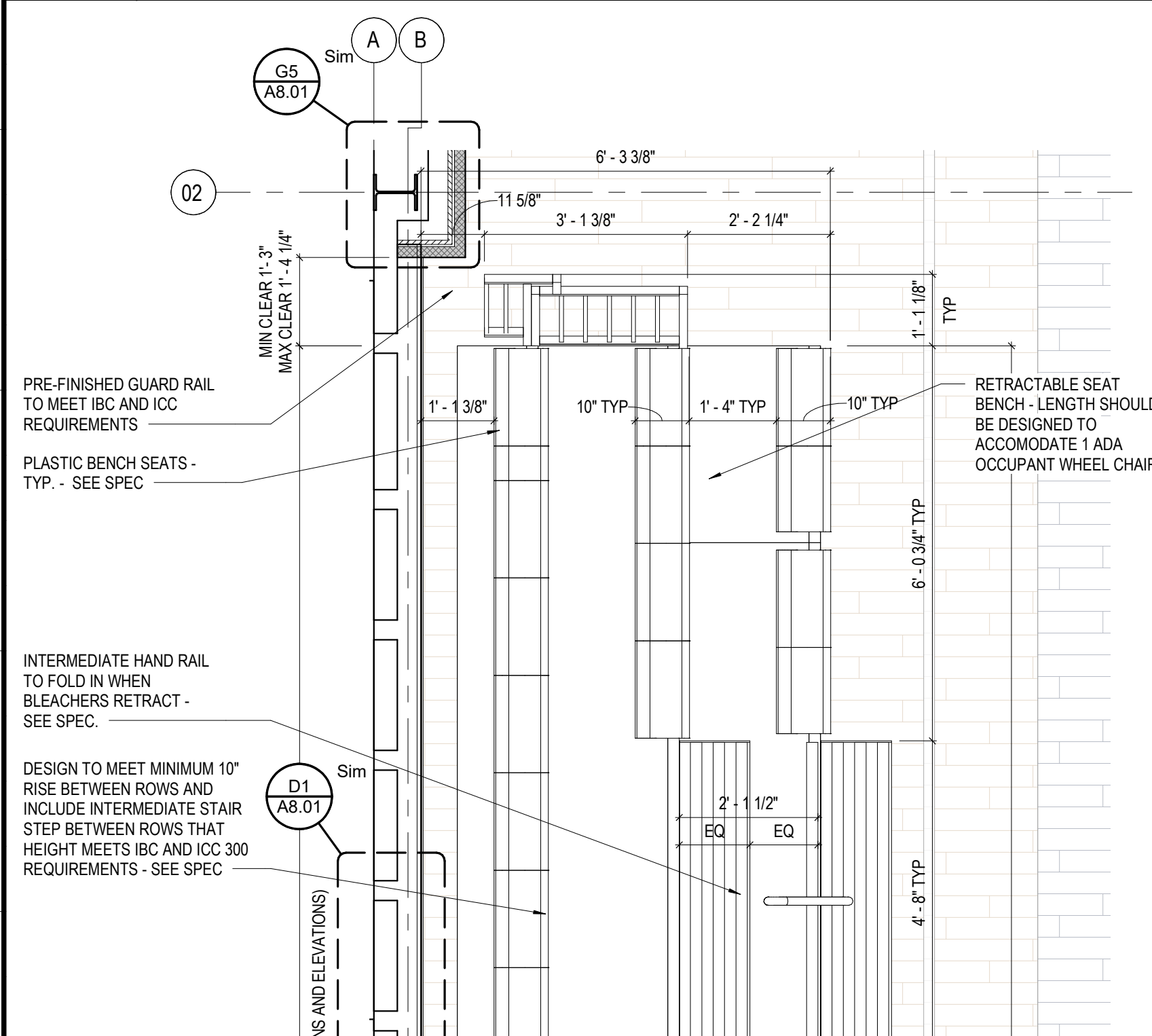
M1 STAIR DETAIL 8  
A8 / A3.50 SCALE: 1" = 1'-0"

M4 STAIR DETAIL 5  
D8 / A8.10 SCALE: 1" = 1'-0"

K8 STAIR DETAIL 4  
A11 / A8.10 SCALE: 1" = 1'-0"

G11 STAIR @ EQUIPMENT PLATFORM  
SCALE: 1/2" = 1'-0"

G15 STAIR & GUARD RAILS @ EQUIPMENT PLATFORM  
SCALE: 1/2" = 1'-0"



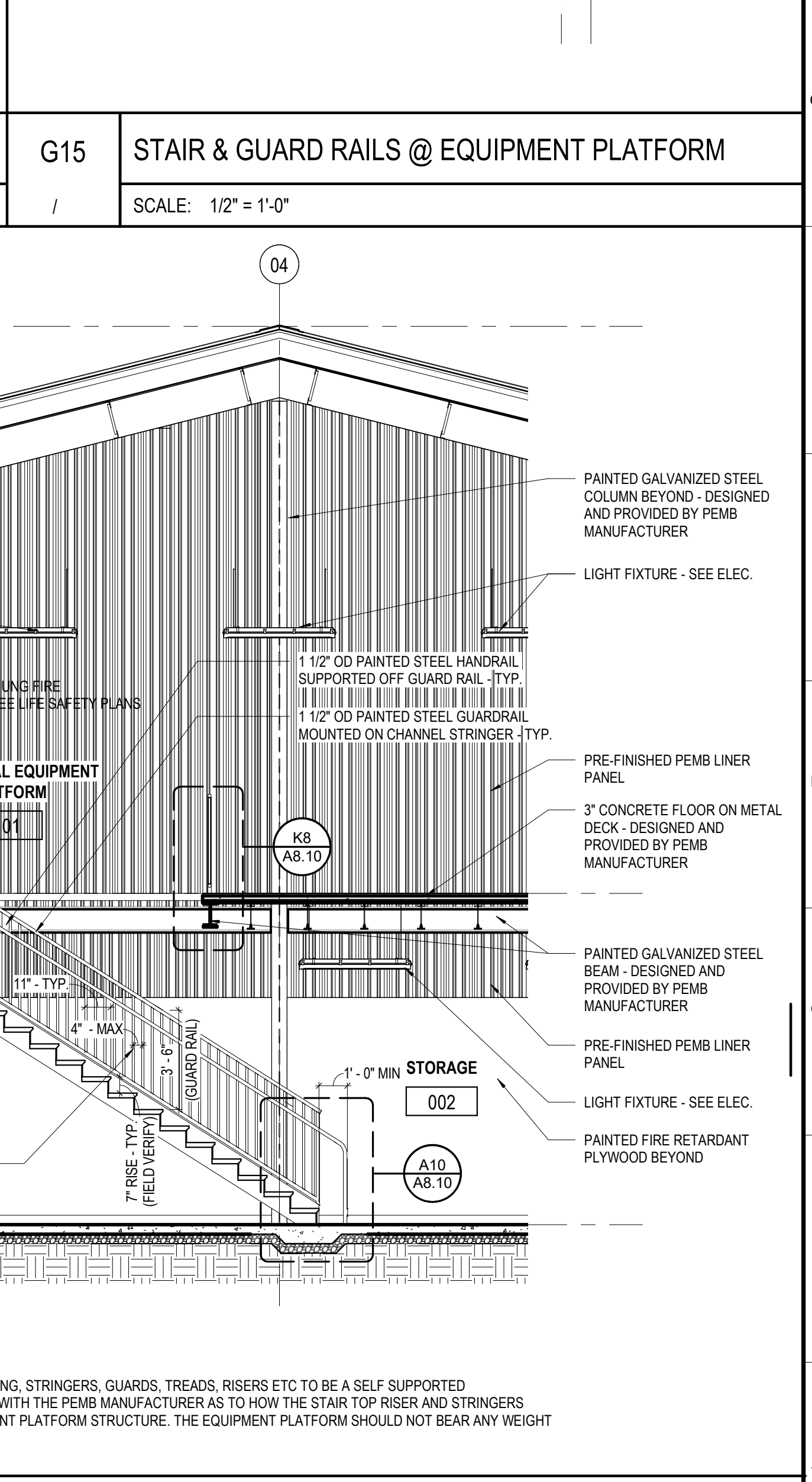
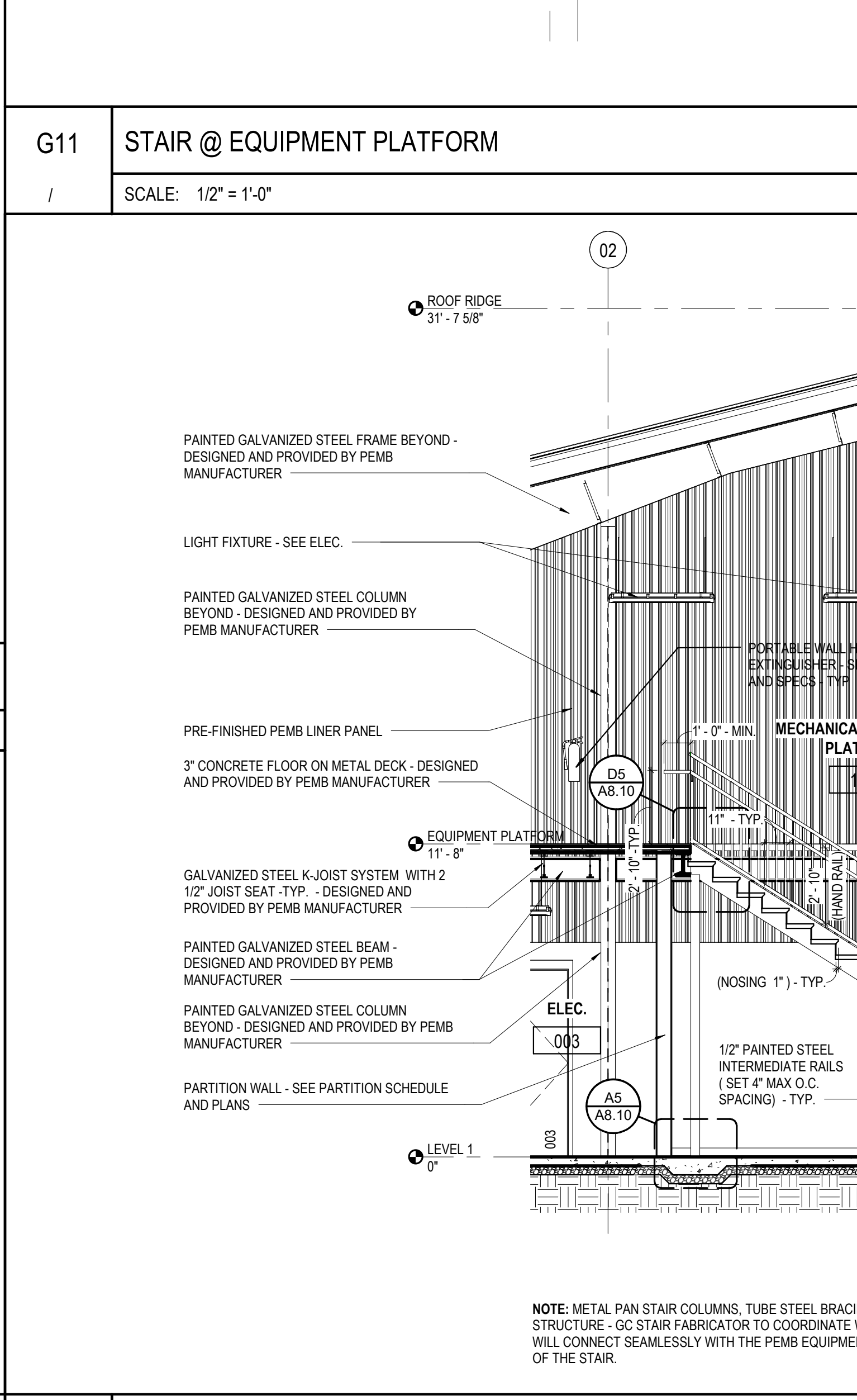
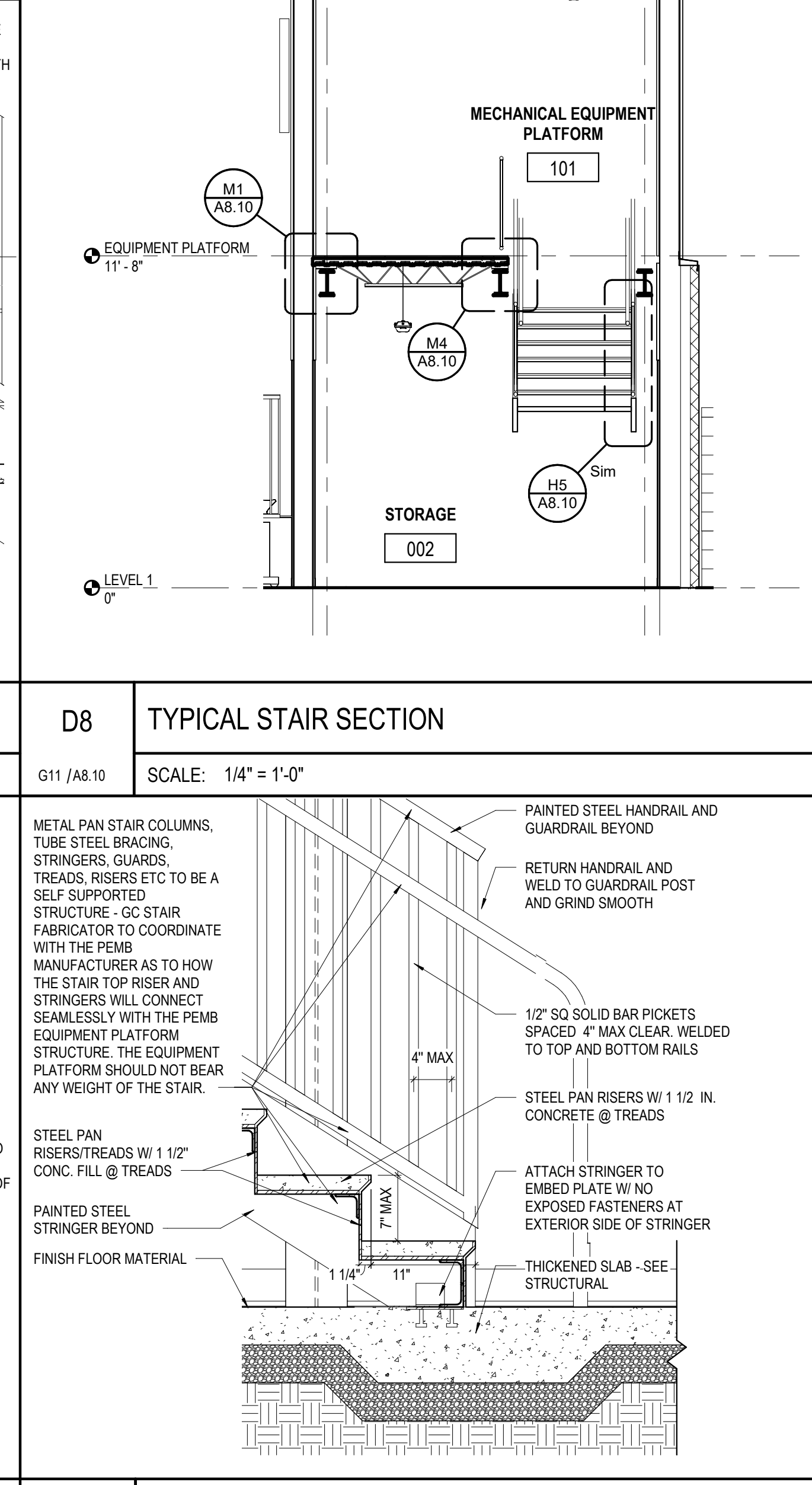
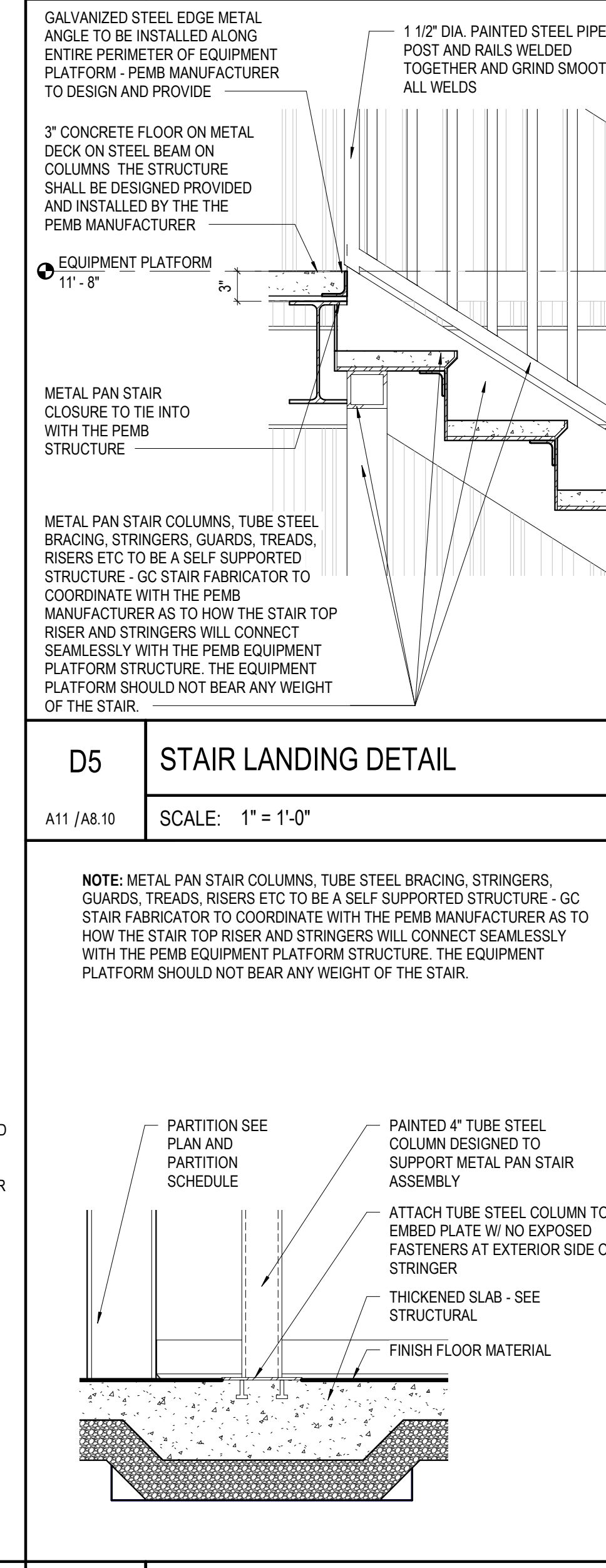
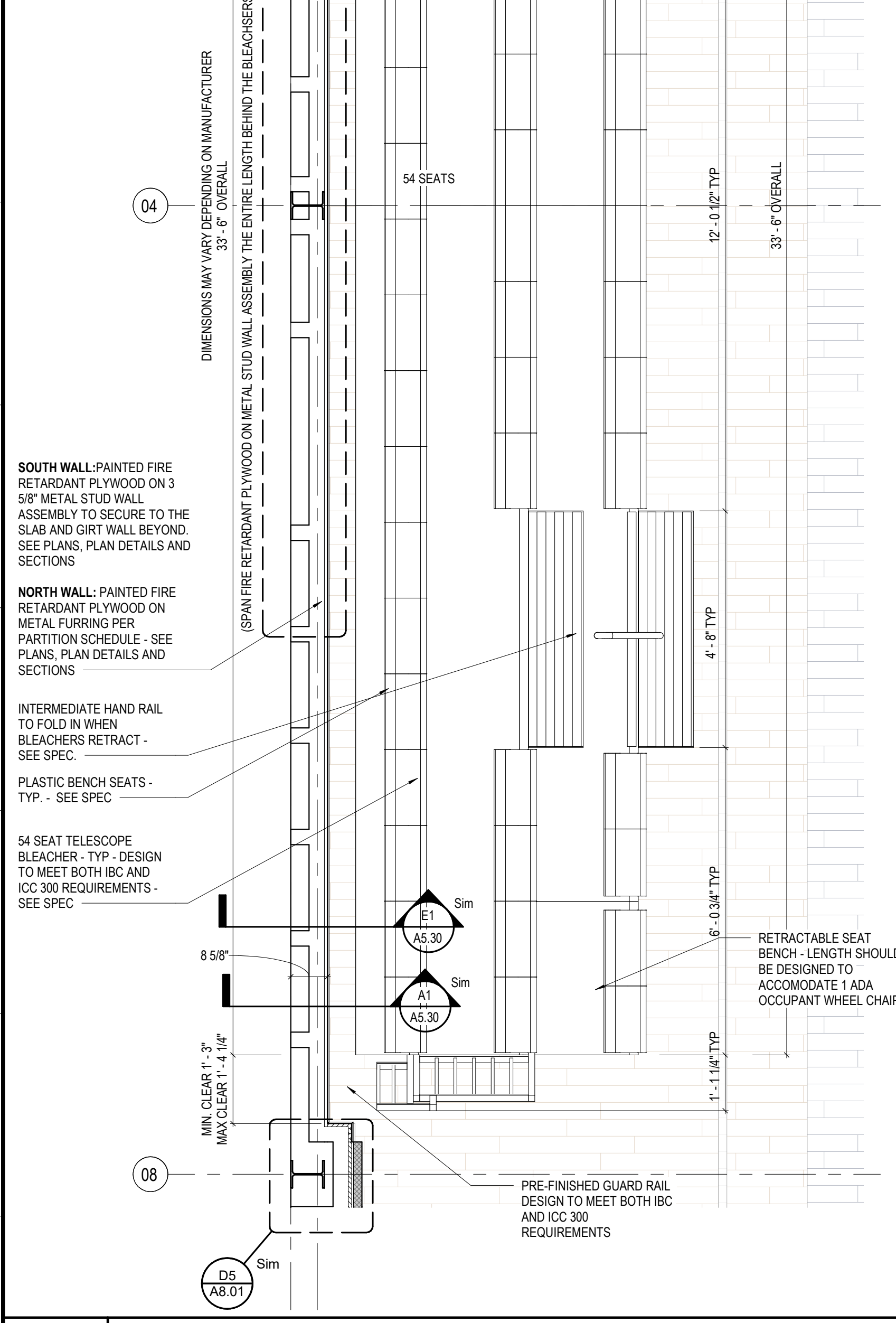
H5 STRINGER GUARDRAIL DETAIL  
D8 / A8.10 SCALE: 1 1/2" = 1'-0"

D5 STAIR LANDING DETAIL  
A11 / A8.10 SCALE: 1" = 1'-0"

D8 TYPICAL STAIR SECTION  
G11 / A8.10 SCALE: 1/4" = 1'-0"

G11 STAIR @ EQUIPMENT PLATFORM  
SCALE: 1/2" = 1'-0"

G15 STAIR & GUARD RAILS @ EQUIPMENT PLATFORM  
SCALE: 1/2" = 1'-0"



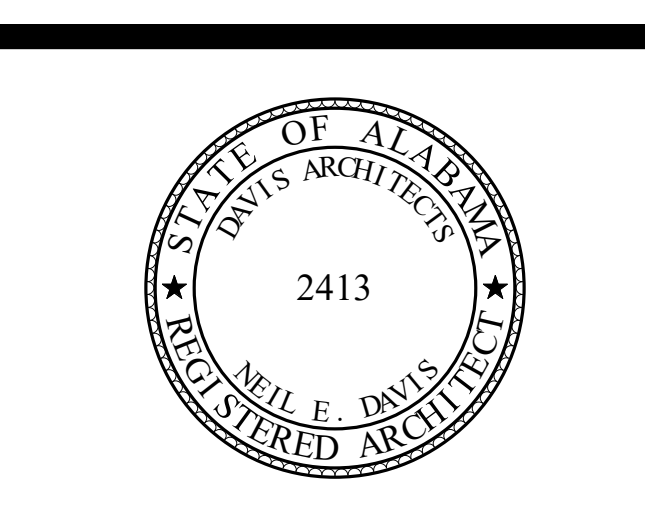
A1 FLOOR PLAN - TELESCOPIC BLEACHERS TYP. DIMENSIONS  
A1 / A2.01 SCALE: 1/2" = 1'-0"

A5 STAIR LANDING DETAIL  
A11 / A8.10 SCALE: 1" = 1'-0"

A10 TYP STRINGER CONNECTION @ SLAB ON GRADE  
A11 / A8.10 SCALE: 1" = 1'-0"

A11 TYPICAL STAIR SECTION  
G11 / A8.10 SCALE: 1/4" = 1'-0"

G15 STAIR & GUARD RAILS @ EQUIPMENT PLATFORM  
SCALE: 1/2" = 1'-0"



ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM



CITY OF ORANGE BEACH;  
ORANGE BEACH, AL



OWNER  
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ASSOCIATE ARCHITECT  
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REV	DATE	DESCRIPTION

DATE: 2-18-2019

PERCENT: 100% CONSTRUCTION DOCUMENTS

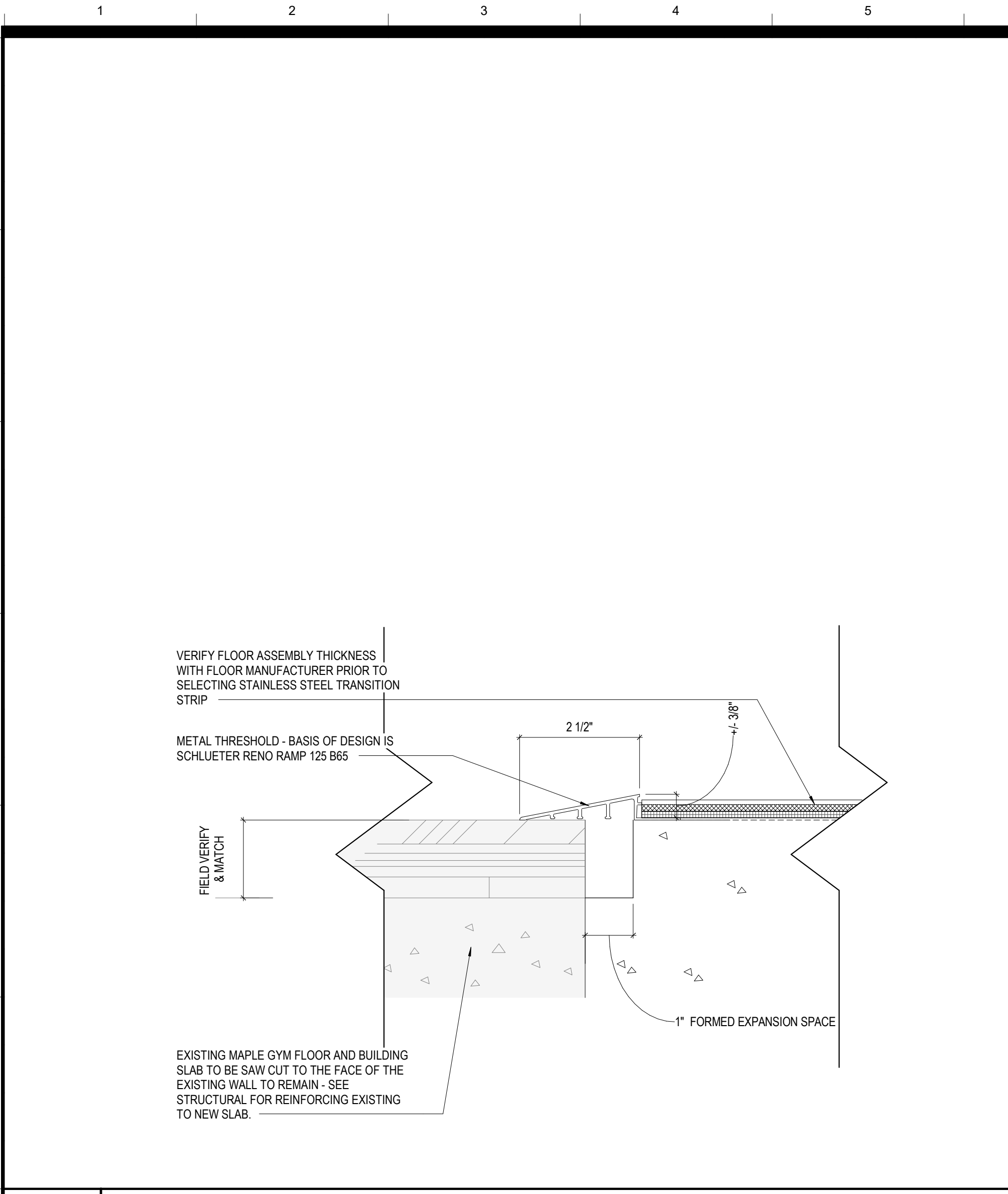
DRAWN BY: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: STAIR, EQUIPMENT PLATFORM AND BLEACH DETAILS

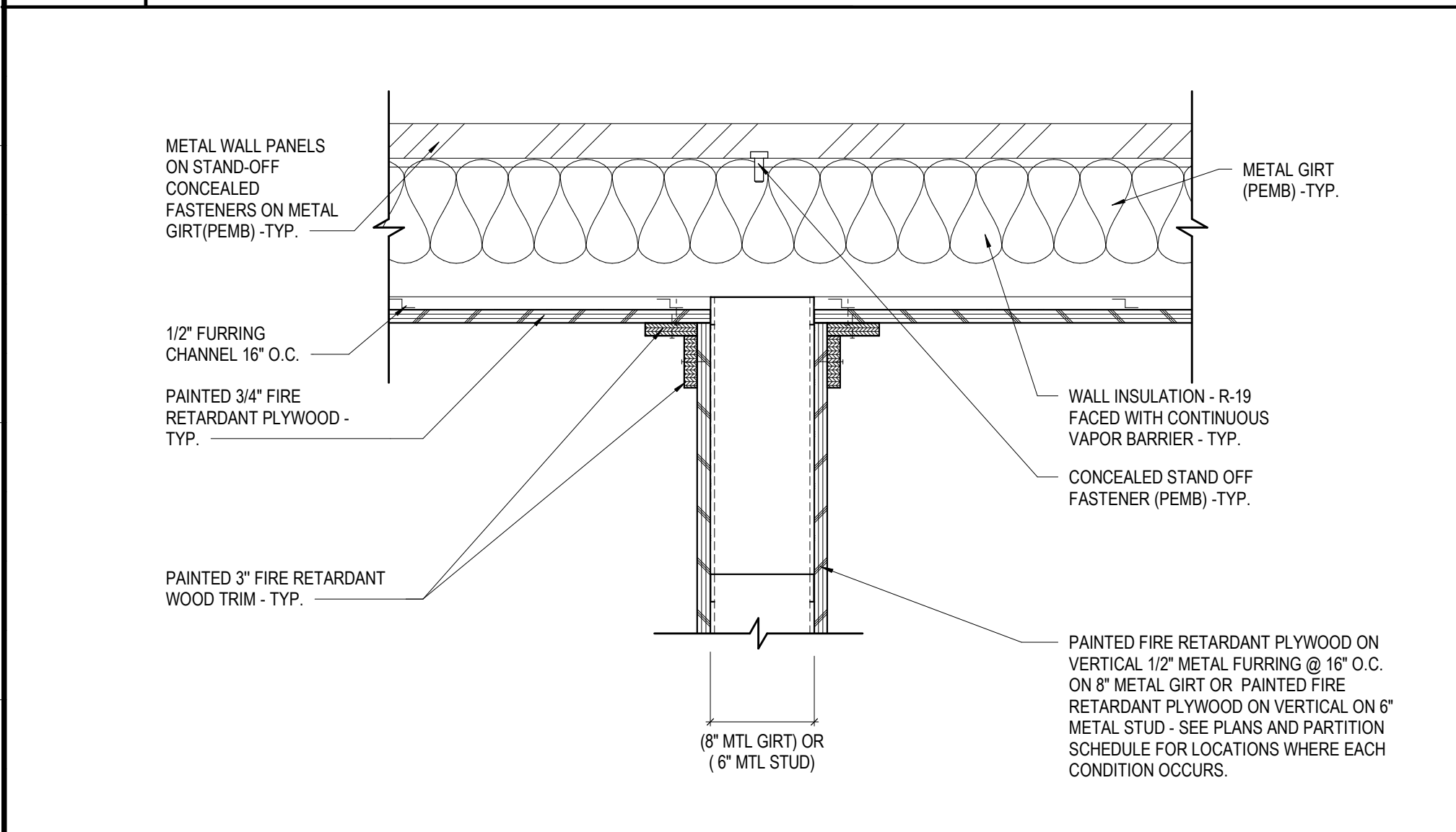
DRAWING NO.

A8.10

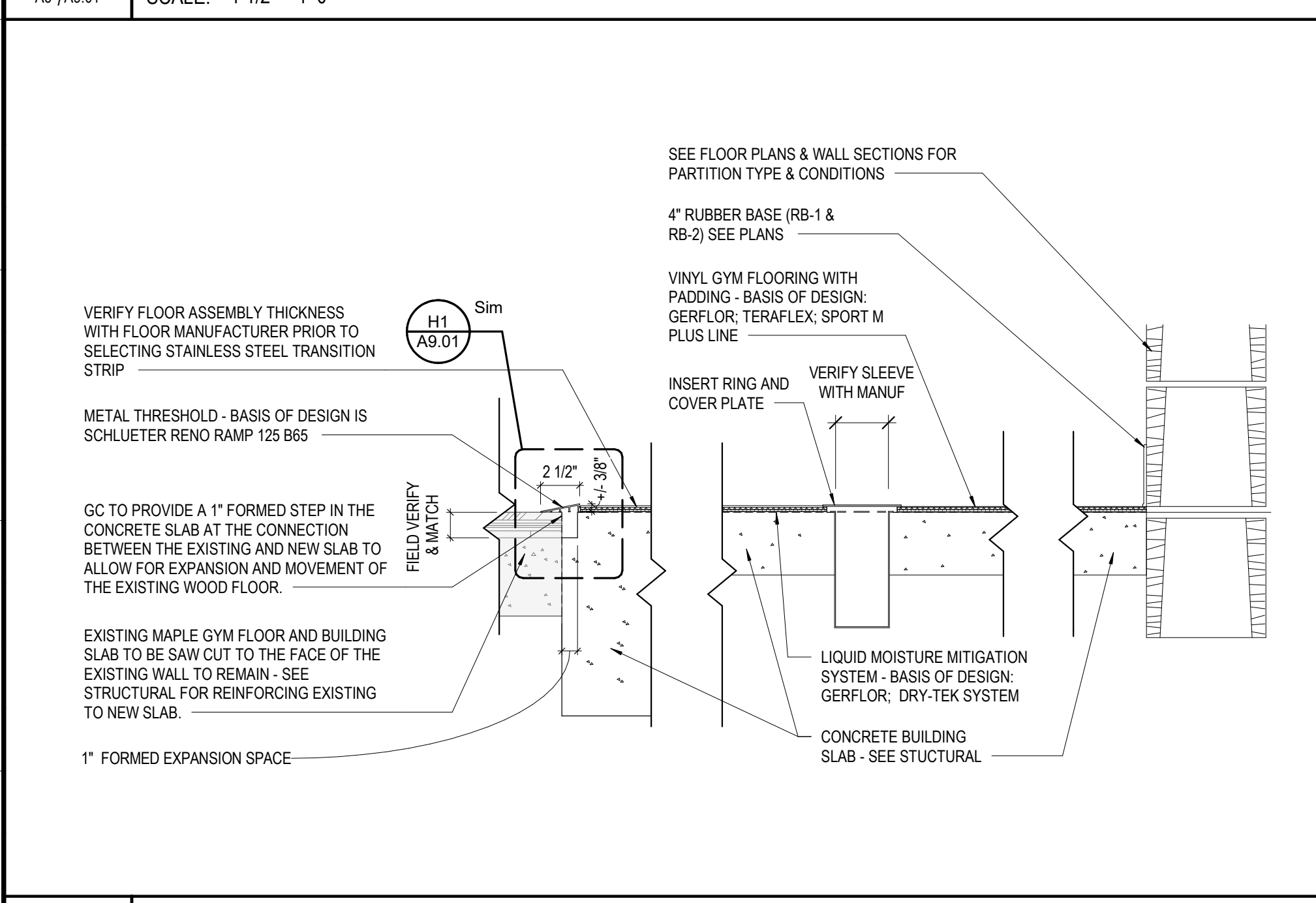




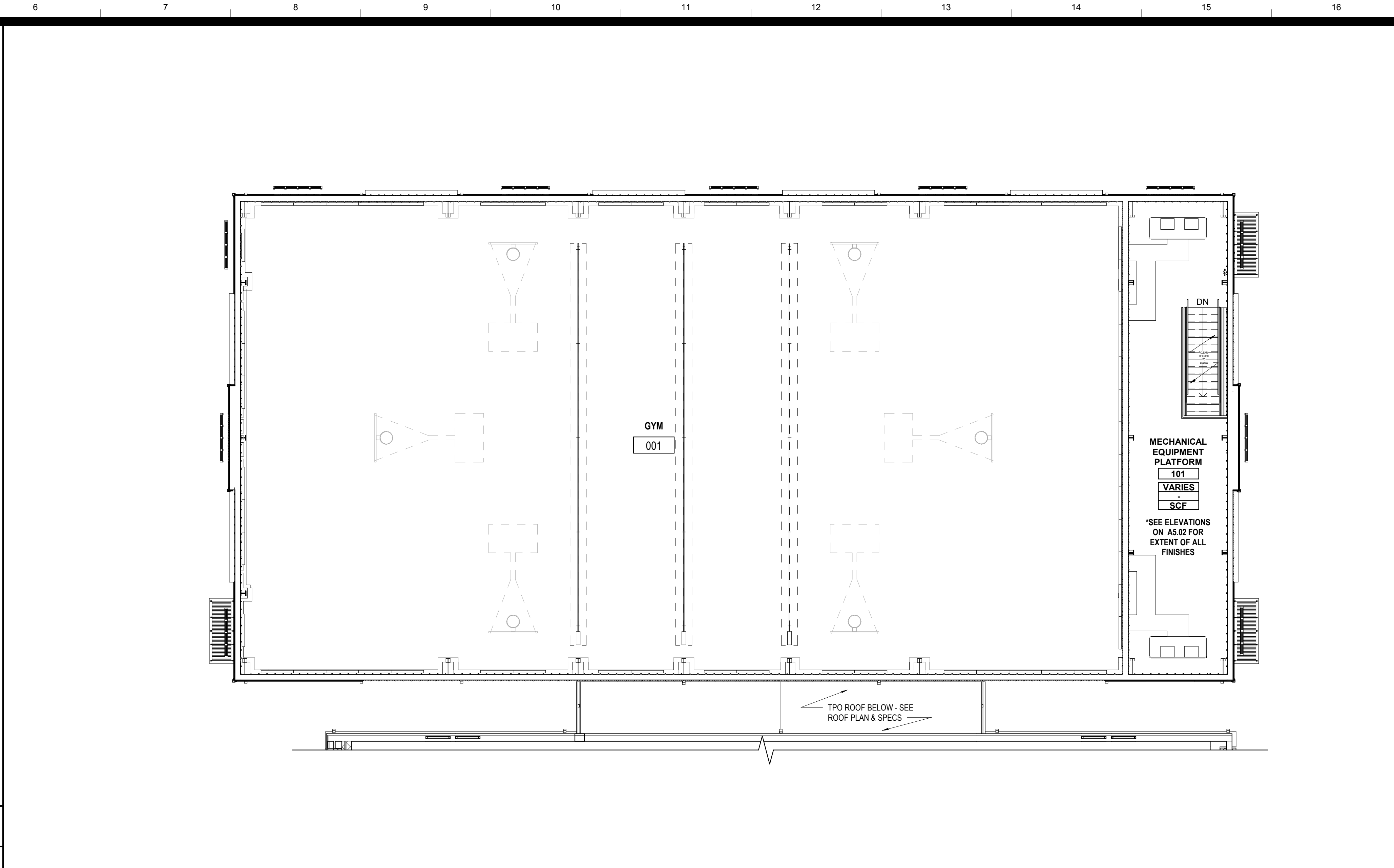
**H1** VAF TO EXTG: MTS-1  
SCALE: 6" = 1'-0"



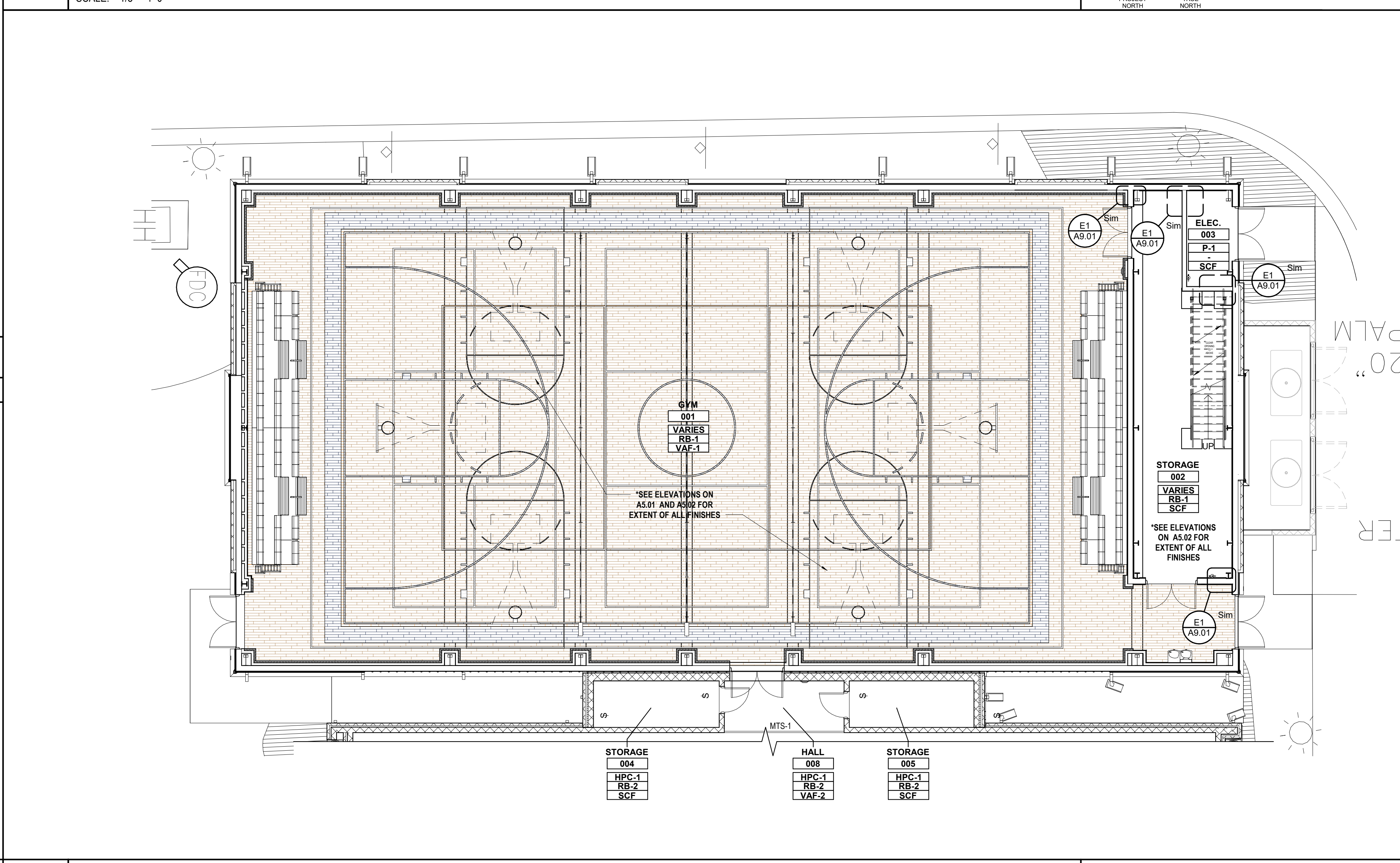
**E1** PLYWOOD PARTITION CONNECTION @ PEMB WALL  
SCALE: 1 1/2" = 1'-0"



**A1** TYPICAL CONDITIONS @ GYM FLOOR  
SCALE: 1 1/2" = 1'-0"



**H6** MECHANICAL EQUIPMENT PLATFORM - FLOOR PLAN - FINISH PLAN  
SCALE: 1/8" = 1'-0"



**A6** LEVEL 1 - FLOOR PLAN - FINISH PLAN  
SCALE: 1/8" = 1'-0"

**ROOM FINISH GUIDE**

P-1	WALL FINISH
RB-1	BASE FINISH
VCT-1	FLOOR FINISH
P-2	SECONDARY FINISH WHERE SHOWN

**FINISH LEGEND**

WALL FINISH	
ASP	ACOUSTICAL SOUND PANELS
HPC	HIGH PERFORMANCE COATING
P	PAINT
PMLP	PRE-FINISHED METAL LINEAR PANEL

FLOOR FINISH	
SCF	SEALED CONCRETE FLOOR
VAF	VINYL ATHLETIC FLOORING

BASE FINISH	
RB	RUBBER BASE

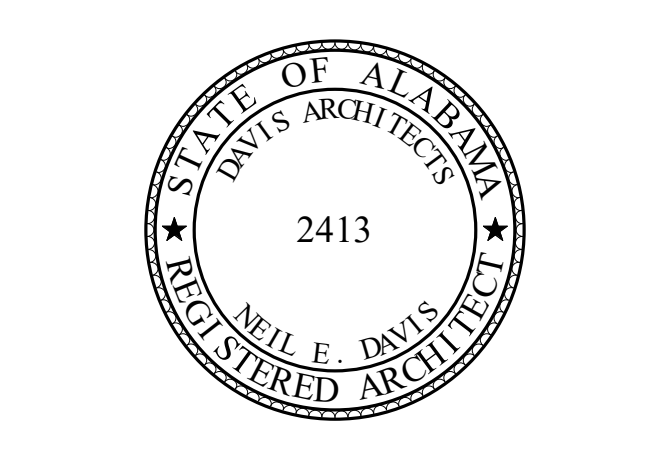
MISCELLANEOUS FINISH	
WP	GYM WALL PADDING - MAIN COLOR
WPA	GYM WALL PADDING - ACCENT COLOR

**THRESHOLD LEGEND**

MTS-1	VAF TO EXTG
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**GENERAL NOTES**

- REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION ON WALL FINISHES.
- CONCRETE SUB-FLOOR SHALL BE LEVEL WITH A MAXIMUM VARIATION FROM LEVEL OF 1/4" IN 10 FEET.
- UNLESS OTHERWISE NOTED, ALL UTILITIES (CONDUIT, WIRING, ETC.), STRUCTURE, & DUCTWORK SHALL BE PAINTED TO MATCH THE ADJACENT PAINTED SURFACE.



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REV	DATE	DESCRIPTION
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DATE: 2-18-2019

SCALE: 100% CONSTRUCTION DOCUMENTS

DESIGNED BY: DAVIS ARCHITECTS PROJECT NO: 3891.01

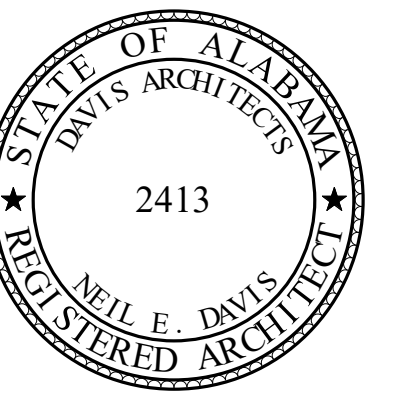
SHEET TITLE: FINISH PLANS

DRAWING NO. A9.01



	CODE	MATERIAL	BASIS OF DESIGN / MANUFACTURER	STYLE / PATTERN	COLOR	SIZE	FINISH NOTES	CONTACT	PHONE
FLOOR	SCF	SEALED CONCRETE FLOOR	SEE SPECIFICATIONS	-	-	-	-	-	-
	VAF-1	VINYL ATHLETIC FLOORING	GERFLOR	TARAFLEX SPORT M PLUS	MAPLE DESIGN W/ MULT-COLORED STRIPING TBD	-	-	JAY HENLEY	251-802-3494
	VAF-2	VINYL ATHLETIC FLOORING	GERFLOR	TARAFLEX SPORT M PLUS	6430 BLUE	-	-	JAY HENLEY	251-802-3494
BASE	RB-1	RUBBER BASE	JOHNSONITE	4" COVE BASE	BURNT UMBER	4"	-	MARJORIE BOSLEY	404-550-3644
	RB-2	RUBBER BASE		4" COVE BASE	MATCH EXISTING	4"	-	MARJORIE BOSLEY	404-550-3644
WALL	ASP-1	ACOUSTICAL SOUND PANELS	ARMSTRONG CEILINGS	TECTUM DIRECT-ATTACH	TBD	48" x 48"	PER PLANS AND INTERIOR VIEWS	RICH LAWS	205-410-2765
	HPC-1	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	SEMI-GLOSS	TBD	-	LOCATIONS: CONNECTOR TO EXISTING BLDG AND STORAGE	DWIGHT LECLAIR	678-261-6865
	HPC-2	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	SEMI-GLOSS	TBD	-	LOCATIONS: PRE-ENGINEERED METAL BUILDING STRUCTURE	DWIGHT LECLAIR	678-261-6865
	HPC-3	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	SEMI-GLOSS	TBD	-	LOCATIONS: DOORS AND FRAMES (INTERIOR) AND EXPOSED PLYWOOD WITHIN GYMNASIUM	DWIGHT LECLAIR	678-261-6865
	HPC-4	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	SEMI-GLOSS	TBD	-	LOCATIONS: DOORS AND FRAMES (EXTERIOR)	DWIGHT LECLAIR	678-261-6865
	HPC-5	HIGH PERFORMANCE COATING	SHERWIN WILLIAMS	SEMI-GLOSS	TBD	-	LOCATIONS: STAIR	DWIGHT LECLAIR	678-261-6865
P-1	P-1	PAINT	SHERWIN WILLIAMS	EGGSHELL	TBD	-	LOCATIONS: GENERAL	DWIGHT LECLAIR	678-261-6865
	P-2	PAINT	SHERWIN WILLIAMS	EGGSHELL	TBD	-	LOCATIONS: ACCENT	DWIGHT LECLAIR	678-261-6865
PMLP	PMLP	PRE-FINISHED METAL LINER PANEL	PER SPECIFICATIONS	PER SPECIFICATIONS	TBD	-	PER PLANS AND INTERIOR VIEWS	-	-
CEILING	A1	ACOUSTICAL LAY-IN CEILING	ARMSTRONG	EDGE: ANGLED TEGULAR	WHITE	24" x 24"	#1774 HRC DUNE	RICH LAWS	205-410-2765
	B1	PAINTED GYP BOARD	REFER TO SPECIFICATIONS	-	PAINTED WHITE	-	-	-	-
	X1	EXPOSED CEILING: PAINTED (HPC-2)	REFER TO (HPC-1)	REFER TO (HPC-1)	REFER TO (HPC-1)	-	-	-	-
	X2	EXPOSED CEILING: UNPAINTED	-	-	-	-	-	REFER TO (HPC-1)	REFER TO (HPC-1)
MISCELLANEOUS	BBG	CEILING HUNG BASKETBALL GOAL & BACK BOARD PADDING	PSS PERFORMANCE SPORTS SYSTEMS	REFER TO SPECIFICATIONS	NAVY BLUE	-	-	JAY HENLEY	251-802-3494
	BLCH	TELESCOPIC BLEACHERS W/PLASTIC SEATS	INTERKAL	REFER TO SPECIFICATIONS	MICHIGAN BLUE	-	-	BRENT WEESSIES	269-978-228
	RDC	RETRACTABLE DIVIDER CURTAIN	PSS PERFORMANCE SPORTS SYSTEMS	REFER TO SPECIFICATIONS	FABRIC: NAVY BLUE; MESH: WHITE	REFER TO SPECIFICATIONS & SHEETS	-	JAY HENLEY	251-802-3494
	RSNC	RETRACTABLE SPORTS MEETING CURTAIN	PSS PERFORMANCE SPORTS SYSTEMS	REFER TO SPECIFICATIONS	FABRIC: NAVY BLUE; NETTING: WHITE	REFER TO SPECIFICATIONS & SHEETS	-	JAY HENLEY	251-802-3494
	VBP	VOLLEY BALL POST & PADDING	PSS PERFORMANCE SPORTS SYSTEMS	REFER TO SPECIFICATIONS	FABRIC: WHITE; NETTING: BLACK; PADDING: NAVY BLUE	REFER TO SPECIFICATIONS & SHEETS	-	JAY HENLEY	251-802-3494
	WP	GYM WALL PADDING	PSS PERFORMANCE SPORTS SYSTEMS	REFER TO SPECIFICATIONS	NAVY BLUE	92" H x 24" W x 2" THICK	-	JAY HENLEY	251-802-3494
WPA	GYM WALL PADDING	PSS PERFORMANCE SPORTS SYSTEMS	REFER TO SPECIFICATIONS	ORANGE	92" H x 24" W x 2" THICK	-	JAY HENLEY	251-802-3494	

NOTE: SCHEDULE REFLECTS BASIS OF DESIGN SELECTIONS ONLY AND ALTERNATE MANUFACTURERS WILL BE ALLOWED. SEE SPECIFICATIONS FOR ADDITIONAL APPROVED MANUFACTURERS AND ALTERNATE PRODUCT SUBSTITUTION REQUIREMENTS.



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REV	DATE	DESCRIPTION

DATE: 2-18-2019

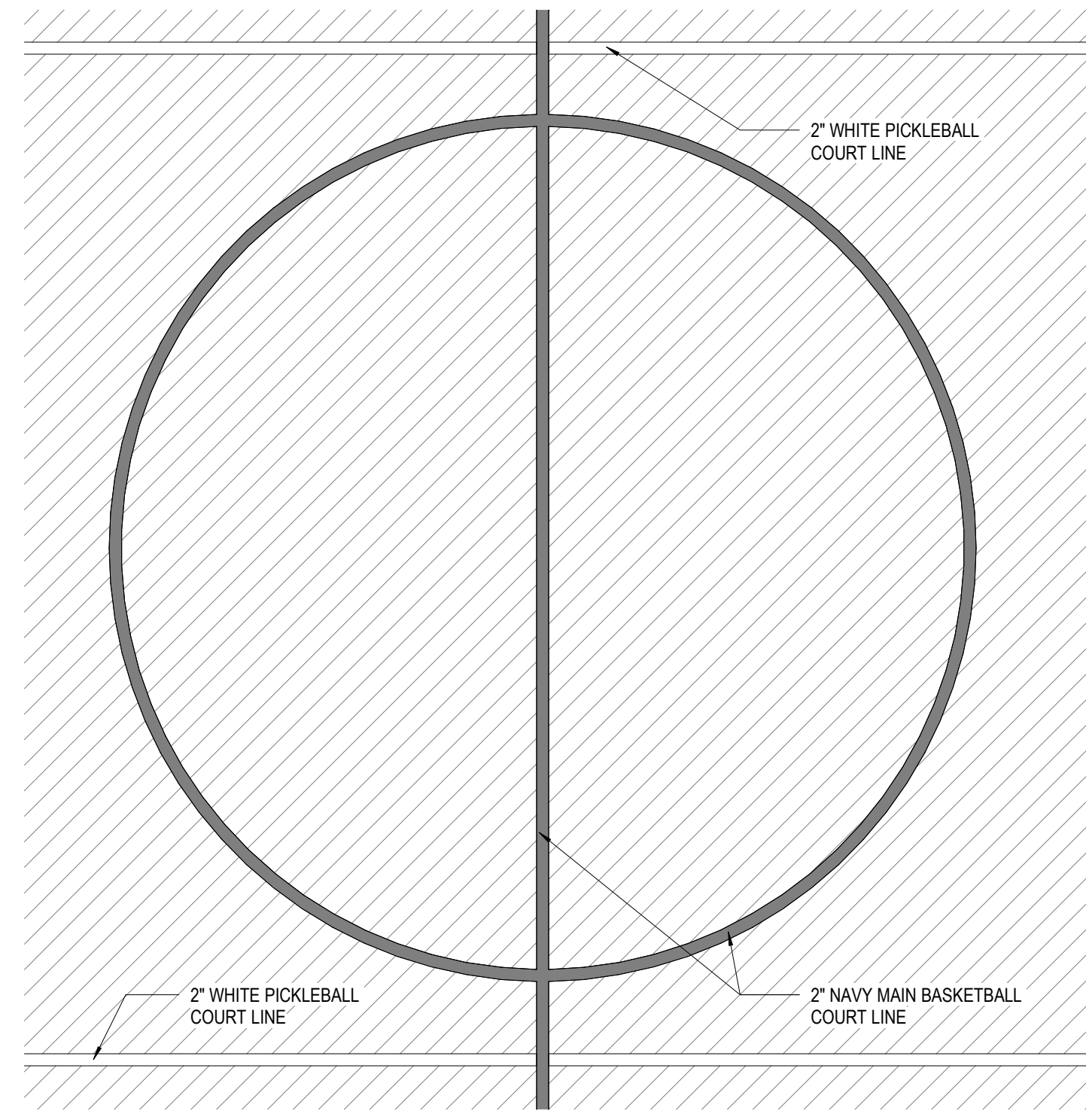
SCALE: 100% CONSTRUCTION DOCUMENTS

DRAWN BY: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: FINISH SCHEDULE

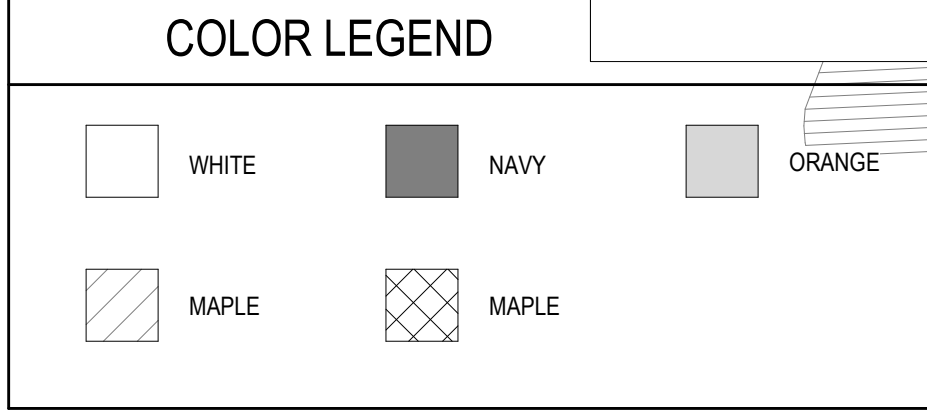
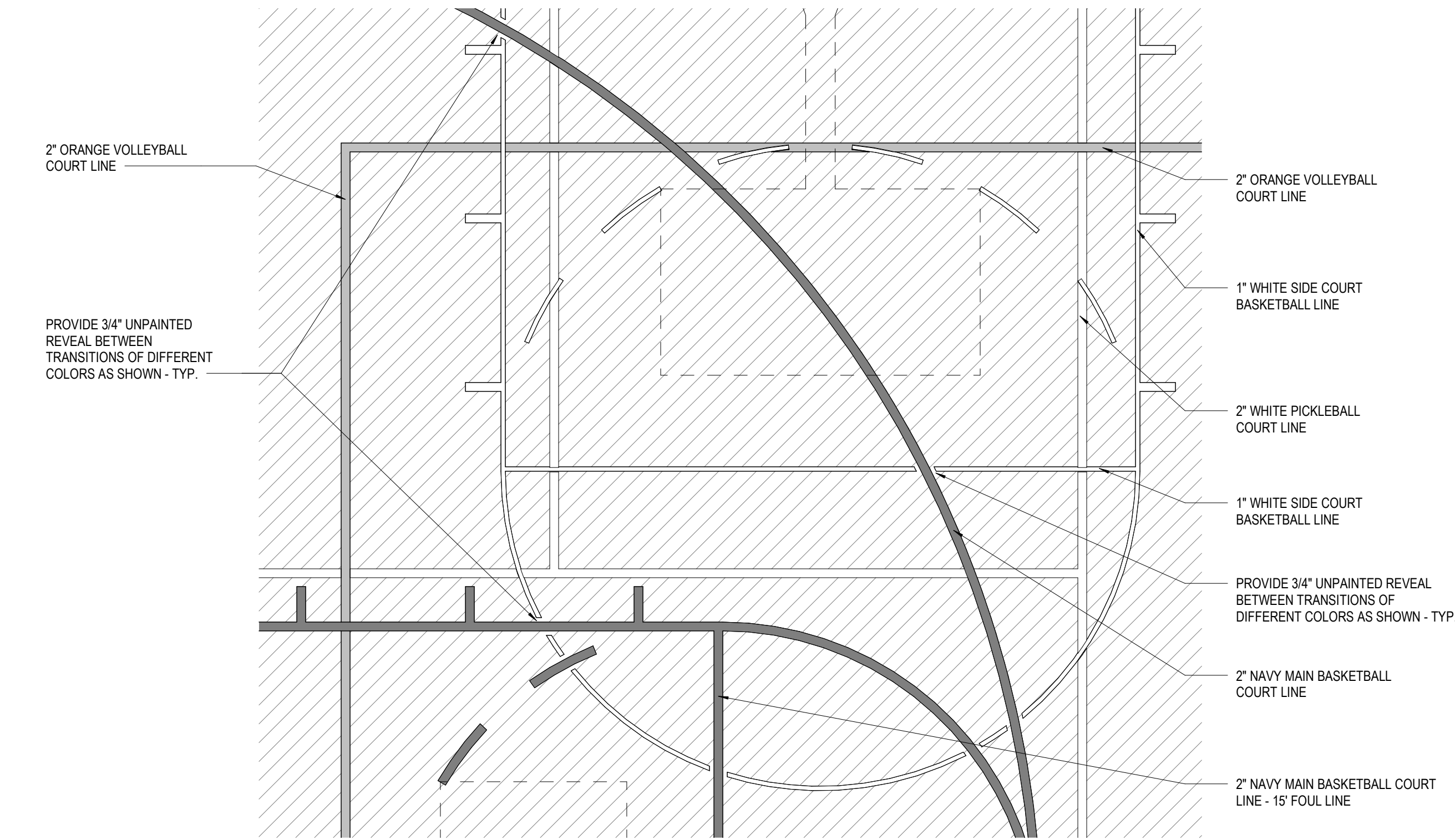
DRAWING NO. A9.10





**K1 ENLARGED BASKETBALL COURT CENTER**

A8 /A9.20 SCALE: 1/2" = 1'-0"

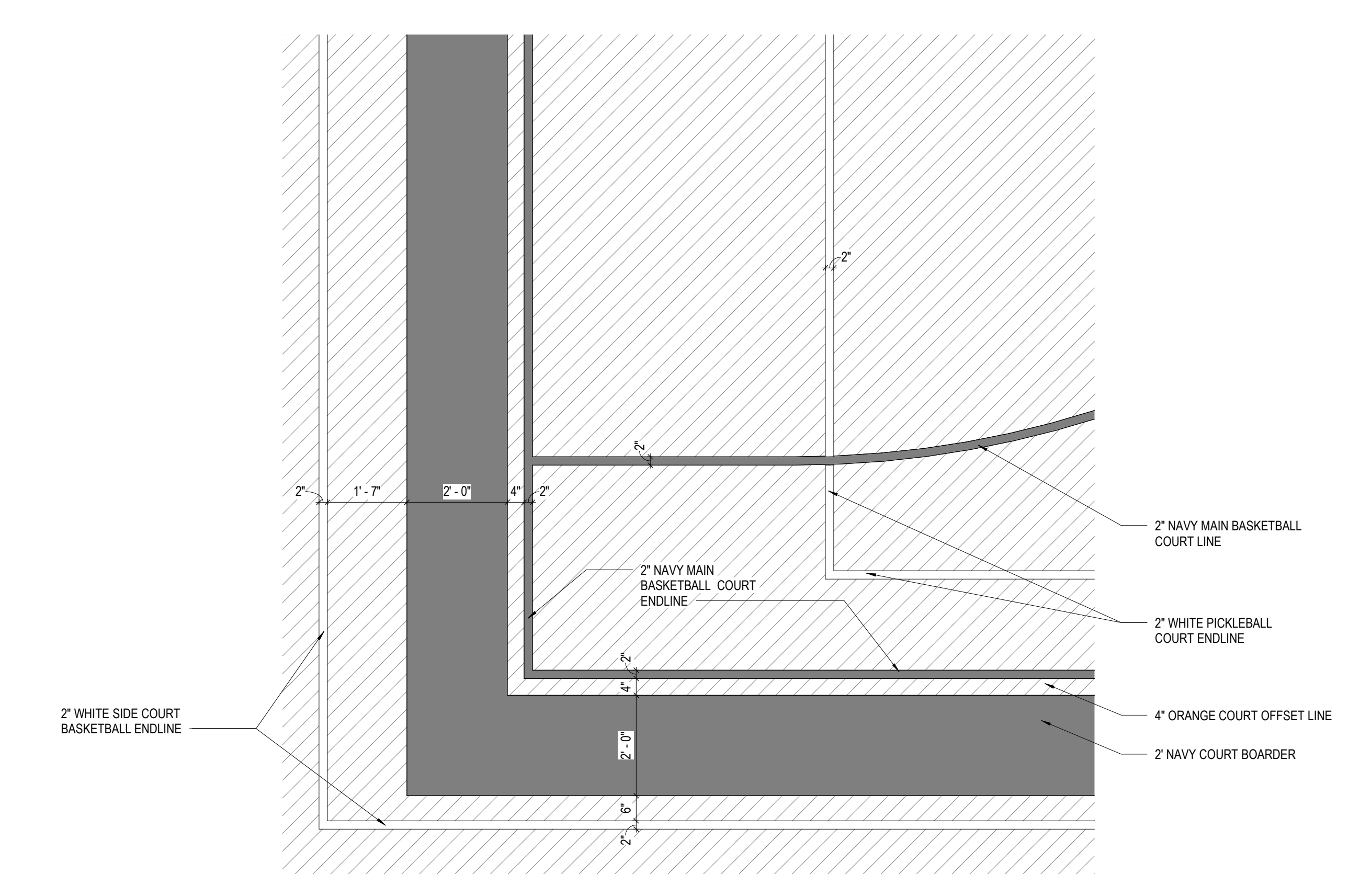


**K8 ENLARGED BASKETBALL COURT PLAN - COURT MARKINGS COLOR**

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

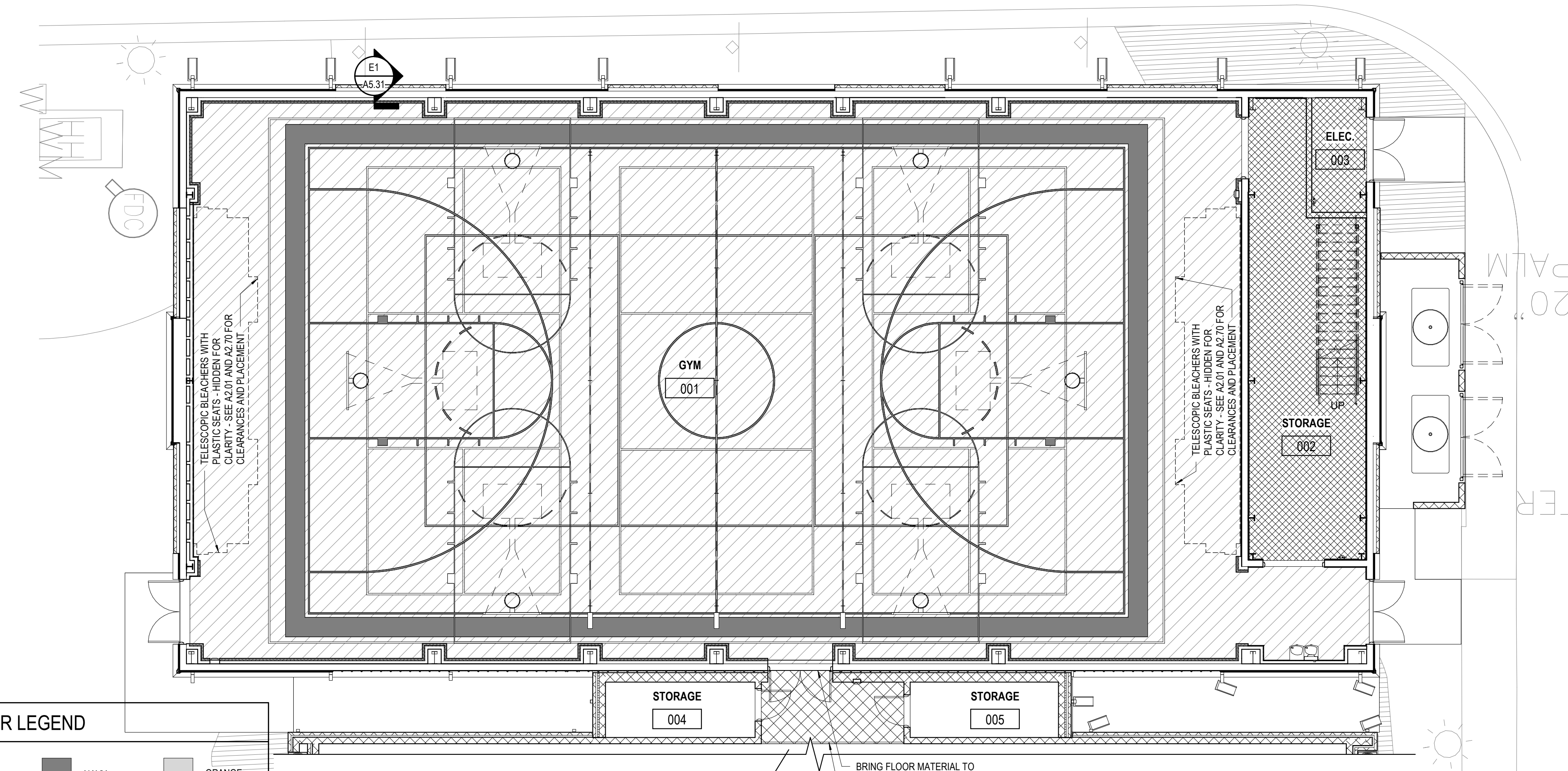
**F1 ENLARGED BASKETBALL COURT LINE INTERSECTION**

A8 /A9.20 SCALE: 1/2" = 1'-0"



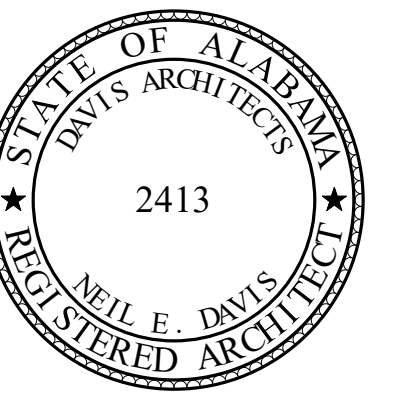
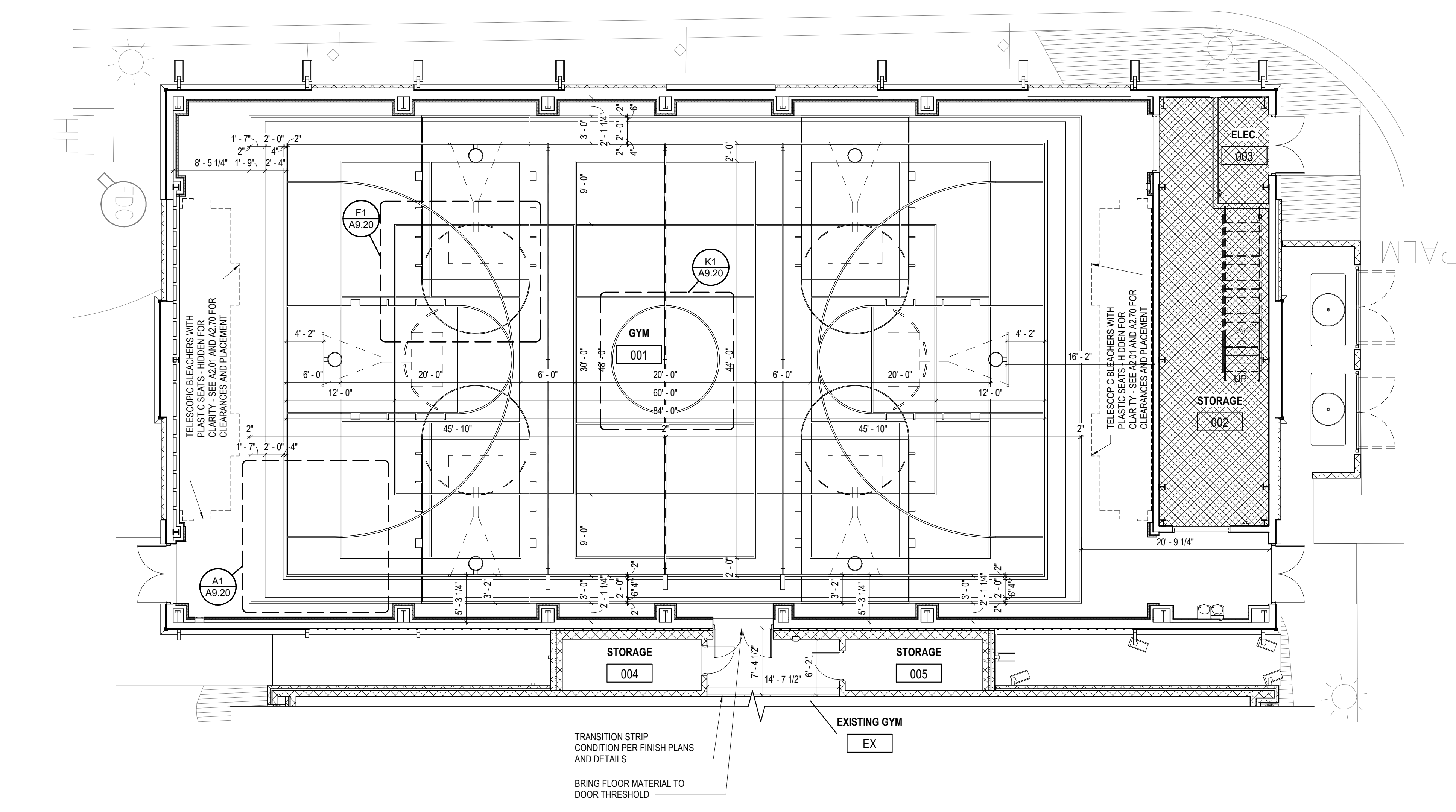
**A1 ENLARGED BASKETBALL COURT LINE INTERSECTION @ CORNER**

A8 /A9.20 SCALE: 1/2" = 1'-0"



**A8 ENLARGED BASKETBALL COURT PLAN - DIMENSION**

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



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REV	DATE	DESCRIPTION

DATE: 2-18-2019

PHASE: 100% CONSTRUCTION DOCUMENTS

ISSUED FOR: DAVIS ARCHITECTS PROJECT NO: 3891.01

SHEET TITLE: COURT MARKING PLANS AND DETAILS

DRAWING NO. A9.20



GENERAL NOTES

- 1. CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER DRAWINGS.
A. ANY DISCREPANCIES OR CONFLICTS BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT...
2. IN THE CASE OF INCONSISTENCIES BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, A BIDDER WILL BE DEEMED TO HAVE INCLUDED IN ITS BID THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK INVOLVED...
3. ALL DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. DO NOT SCALE THE DRAWINGS.
4. THE DETAILS PROVIDED ON SHEETS LABELED AS 'TYPICAL DETAILS' APPLY GENERALLY TO THE DRAWINGS IN AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS, UNLESS NOTED OTHERWISE.
5. ALL OF THE CONTRACTOR'S PROPOSED SUBSTITUTIONS ARE CONSIDERED CHANGE ORDERS AND SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND/OR APPROVAL PRIOR TO ANY PERTINENT WORK OR FABRICATION.
6. CONSTRUCTION METHODS, PROCEDURES AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE ALL THE NECESSARY MEASURES TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION, NEW AND EXISTING, AT ALL STAGES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
A. BRACE ALL BASEMENT TYPE WALLS RETAINING EARTH UNTIL RESTRAINING SLABS/FLOORS HAVE BEEN INSTALLED AND SLABS HAVE REACHED REQUIRED DESIGN STRENGTH.
B. BRACE/SHORE ALL WALLS AS REQUIRED TO MAINTAIN STABILITY DURING CONSTRUCTION.
C. SHORE EXISTING FLOORS, WALLS, AND/OR ROOFS AS REQUIRED DURING DEMOLITION OF ANY PORTION OF EXISTING STRUCTURE UNTIL NEW SUPPORT FRAMING HAS BEEN INSTALLED.
7. ALL STRUCTURAL MEMBERS, AS SHOWN, HAVE BEEN DESIGNED TO CARRY IN PLACE DESIGN LOADS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ANY LOADS AND FORCES IMPOSED DURING CONSTRUCTION, TRANSPORTATION, ERECTION, AND HANDLING. THE CONTRACTOR SHALL INSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LOADS INDICATED ON THE STRUCTURAL DRAWINGS AND THAT THESE LOADS ARE NOT IMPOSED ON THE STRUCTURAL MEMBERS PRIOR TO THE TIME THAT CONCRETE REACHES THE FULL SPECIFIED DESIGN STRENGTH, STEEL MEMBERS AND THEIR CONNECTIONS ARE FULLY BOLTED AND/OR WELDED AND ALL OTHER FRAMING MEMBERS AND THEIR CONNECTIONS ARE IN PLACE.
8. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO ANY PERTINENT WORK OR FABRICATION. ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE NOTED ON THE SHOP DRAWINGS.
9. ALL CONSTRUCTION JOINTS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE. ADDITIONAL CONSTRUCTION JOINTS TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON THE SHOP DRAWINGS FOR REVIEW.

SHOP DRAWINGS/SUBMITTALS

- 1. SHOP DRAWING SUBMITTAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SHALL FOLLOW INDUSTRY GUIDELINES AND STANDARDS. ALL QUESTIONS, CLARIFICATIONS, OR MODIFICATIONS OF THE CONTRACT DOCUMENTS SHALL BE CLEARLY DOCUMENTED AND INDICATED ON THE SHOP DRAWING TRANSMITTAL OR COVER SHEET. ITEMS SHALL NOT BE CONSIDERED APPROVED UNLESS SPECIFICALLY ADDRESSED BY MBA IN THE REVIEW COMMENTS.
3. ALL SHOP DRAWINGS ARE TO BE NEWLY PREPARED. REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS FOR USE AS ERECTION DRAWINGS WILL NOT BE PERMITTED. SHOULD SHOP DRAWING SUBMITTALS CONTAIN ANY REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS, THEY WILL BE REJECTED AND RETURNED WITHOUT ENGINEER REVIEW.
A. MBA MAY CONSIDER TRANSFERRING COMPUTER FILES, IN THE FORMAT CREATED, OF THE PLAN SHEETS TO PROJECT SUBCONTRACTORS TO ASSIST IN DEVELOPING SHOP DRAWINGS ON A CASE BY CASE BASIS. A SIGNED FILE TRANSFER AGREEMENT WILL BE REQUIRED PRIOR TO RELEASE OF MBA FILES.
4. CONTRACTOR TO REVIEW ALL SHOP DRAWING SUBMITTALS AND STAMP WITH APPROVAL PRIOR TO SUBMISSION TO ARCHITECT/ENGINEER. SHOP DRAWINGS RECEIVED BY ARCHITECT/ENGINEER THAT HAVE NOT BEEN REVIEWED AND COORDINATED BY THE CONTRACTOR WILL BE RETURNED WITHOUT ARCHITECT/ENGINEER REVIEW. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING DIMENSIONS WHICH PERTAIN TO FABRICATION PROCESSES OR CONSTRUCTION TECHNIQUES PRIOR TO SUBMITTAL AND FOR COORDINATION OF WORK OF ALL TRADES.
5. CONTRACTOR MAY PROVIDE REVIEWED AND APPROVED SUBMITTALS IN AN ELECTRONIC .PDF FORMAT FOR ENGINEER REVIEW AND APPROVAL. IN LIEU OF ELECTRONIC SUBMITTALS, CONTRACTOR MAY PROVIDE NO MORE THAN FOUR PAPER COPIES OF EACH STRUCTURAL SHOP DRAWING SUBMITTAL TO THE ENGINEER. THE STRUCTURAL ENGINEER WILL REVIEW AND RETURN TWO OF THE COPIES TO THE ARCHITECT. ADDITIONAL COPIES REQUIRED BY THE CONTRACTOR SHALL BE MADE BY THE CONTRACTOR AFTER THE REVIEW PROCESS.
6. MBA REVIEW OF SHOP DRAWING SUBMITTALS IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. REVIEW AND/OR APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OR FOR ERRORS/OMISSIONS IN THE SHOP DRAWINGS.
7. CONTRACTOR MAY PROVIDE REVIEWED AND APPROVED SUBMITTALS IN AN ELECTRONIC .PDF FORMAT FOR ENGINEER REVIEW AND APPROVAL. IN LIEU OF ELECTRONIC SUBMITTALS, CONTRACTOR MAY PROVIDE NO MORE THAN FOUR PAPER COPIES OF EACH STRUCTURAL SHOP DRAWING SUBMITTAL TO THE ENGINEER. THE STRUCTURAL ENGINEER WILL REVIEW AND RETURN TWO OF THE COPIES TO THE ARCHITECT. ADDITIONAL COPIES REQUIRED BY THE CONTRACTOR SHALL BE MADE BY THE CONTRACTOR AFTER THE REVIEW PROCESS.

INTERFACE WITH EXISTING BUILDING

- 1. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING AT THE INTERFACE CONNECTIONS TO THE NEW STRUCTURE.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL SHORING REQUIRED TO PROTECT THE EXISTING STRUCTURE.
3. AFTER DEMOLITION AND GENERAL SURVEY WORK HAS BEEN COMPLETED, AND PRIOR TO FABRICATION OF STRUCTURAL ELEMENTS, THE CONTRACTOR WILL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED AND ALLOWED TO EXAMINE THE AS-BUILT CONDITIONS OF THE EXISTING STRUCTURE TO DETERMINE IF ASSUMPTIONS REGARDING THE INTERFACE AT THE EXISTING STRUCTURE WERE CORRECT. MODIFICATIONS, IF REQUIRED, WILL BE MADE AT THAT TIME.
4. DESIGN OF CONNECTIONS AND ADDITIONS TO THE EXISTING BUILDING ARE BASED ON ORIGINAL STRUCTURAL DRAWINGS.

SITE AND FOUNDATION

- 1. THE DESIGN OF FOUNDATIONS AND RELATED COMPONENTS IS BASED ON THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY GEOCON ENGINEERING & MATERIALS TESTING, INC., PROJECT NO. DL1173-18, DATED 3/27/18. THE GENERAL CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS AND RECOMMENDATIONS IN THE REPORT.
2. ALLOWABLE SOIL BEARING PRESSURE: 1500 PSF
3. EXCAVATE, WHERE REQUIRED, TO BUILDING AND STRUCTURE SUBGRADE.
4. PROOF-ROLL THE AREA UNDER THE BUILDING, PLUS 5'-0" ON ALL SIDES, WITH A STATIC SMOOTH DRUM ROLLER TO LOCATE ANY SOFT AREAS. A GEOTECHNICAL ENGINEER IS TO BE PRESENT DURING THIS OPERATION. ANY SOFT AREAS DETECTED ARE TO BE UNDERCUT AND REPLACED WITH ENGINEERED FILL.
5. ACCEPTABLE FILL MATERIAL SHALL BE FREE OF ORGANICS, AND HAVE A P.I. OF 0. LL OF LESS THAN 20 AND A MAXIMUM DRY DENSITY OF GREATER THAN 100 PCF. CRUSHED STONE BACKFILL TO MEET REQUIREMENTS OF A.H.D. No. 57 STONE. DRAINAGE FILL SUPPORTING SLABS SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER.
6. FILL, WHERE REQUIRED, IS TO BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 98% STANDARD PROCTOR (ASTM D-698), WITHIN 1% OF OPTIMUM MOISTURE CONTENT.
7. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FINAL FOUNDATION DESIGN TO VERIFY THAT ALL FOUNDATION SYSTEMS, INCLUDING SLAB ON GRADE DESIGN AND DETAILING, COMPLIES WITH THE GEOTECHNICAL PARAMETERS INCLUDED IN THE GEOTECHNICAL REPORT. WRITTEN VERIFICATION OF THIS REVIEW SHALL BE SUBMITTED TO THE ARCHITECT TWO WEEKS BEFORE FINAL PRICING/BID DATE.
8. FOUNDATION FOOTINGS TO BEAR OVER 18 INCHES OF OPEN GRADE CRUSHED AGGREGATE (NO. 57 STONE). INITIAL 6 INCHES SHOULD BE 'CHOKED' INTO SUBGRADE. 6 INCH LIFTS TO BE USED IN PLACING REMAINING STONE.

CONCRETE

- 1. CONCRETE CONSTRUCTION AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH CURRENT ACI STANDARDS.
2. CONCRETE SCHEDULES
ITEM 28 DAY COMPRESSIVE STRENGTH
A. CONCRETE SLAB ON COMPOSITE METAL DECK 4000 PSI NORMAL WEIGHT
B. CONCRETE IN CMU CELLS & CAVITIES 3000 PSI GROUT
C. ALL OTHER CONCRETE 3000 PSI NORMAL WEIGHT
3. CONCRETE COVER OVER REINFORCING (JNO)
A. UNFORMED SURFACE IN CONTACT WITH EARTH: 3 IN.
B. UNFORMED SURFACE OVER VAPOR BARRIER: 2 IN.
C. FORMED SURFACES EXPOSED TO EARTH OR WEATHER: #6 AND LARGER 2 IN. #5 AND SMALLER 1 1/2 IN.
D. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER: WALLS, SLABS: 3/4 IN. COLUMNS, BEAMS: 1 1/2 IN. TO TIES
4. CONCRETE AT SLABS ON GRADE SHALL HAVE A NOMINAL MAXIMUM COARSE AGGREGATE SIZE OF 3/4 INCH. ADJUST PORTIONS OF COMBINED COARSE, INTERMEDIATE AND FINE AGGREGATES TO PROVIDE A COARSENESS FACTOR OF 60 TO 75%.
5. ALL REINFORCING SHALL CONFORM TO THE LATEST REVISION OF ASTM SPECIFICATION A615, GRADE 60 AND BE DETAILED IN ACCORDANCE WITH THE LATEST REVISION OF ACI STANDARD 315.
6. NO REINFORCING BAR SHALL BE WELDED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
7. CONTINUOUS FOOTING REINFORCING BARS SHALL BE LAPPED 30 BAR DIAMETERS, BUT NOT LESS THAN 1'-0". COLUMN AND WALL VERTICAL REINFORCING BARS SHALL BE LAPPED WITH A CLASS 'B' SPLICE. WALL HORIZONTAL REINFORCING BARS SHALL BE LAPPED 30 DIAMETERS AT SPLICE POINTS. PROVIDE CORNER BARS FOR WALLS.
8. PROVIDE FULL EMBEDMENT FOR ALL DOWELS. IF NOT OTHERWISE SPECIFIED, DOWEL SIZE AND SPACING SHALL BE THE SAME AS MAIN REINFORCING.
9. CONSTRUCTION JOINTS IN CONCRETE BEAMS AND SLABS SHALL BE AT OR NEAR MIDSPAN. ALL CONSTRUCTION JOINTS TO BE KEPT.
10. HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED IN WALLS AND BEAMS, UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
11. CONDUIT, PIPES, AND SLEEVES SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTER, NOT HAVE AN OUTSIDE DIAMETER GREATER THAN 1/3 THE OVERALL THICKNESS OF THE SLAB, WALL OR BEAM IN WHICH THEY ARE EMBEDDED, AND SHALL HAVE A MINIMUM COVER OF 1 1/2 INCH FOR CONCRETE EXPOSED TO EARTH OR WEATHER AND 3/4 INCH FOR CONCRETE NOT EXPOSED TO EARTH OR WEATHER.
12. PIPING AND CONDUIT SHALL BE SO FABRICATED AND INSTALLED THAT CUTTING, BENDING, OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED.
13. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS FOR ALL REINFORCING BARS INCLUDING DETAILS AT ALL OPENINGS AND ASSOCIATED ADDED REINFORCEMENT AS SHOWN ON TYPICAL DETAILS.

TENSION LAP SPLICE LENGTH

Table with columns for f'c = 3000 PSI, 4000 PSI, 5000 PSI, 6000 PSI and rows for BAR SIZE (43, 44, #5, #6, #7, #8, #9, #10, #11) and TOP BARS/OTHERS BARS.

CONCRETE MASONRY

- 1. MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1 SPECIFICATION OR TMS 402/602.
2. MASONRY COMPRESSIVE STRENGTH (f'm) SHALL BE 1900 PSI BASED ON THE UNIT STRENGTH METHOD OR VERIFIED BY PRISM TESTS IN ACCORDANCE WITH ASTM C 1314.
3. MORTAR SHALL BE TYPE S OR M.
4. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
5. NO REINFORCING BAR SHALL BE WELDED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
6. BLOCK FILL SHALL BE GROUT WITH AN 8" TO 11" SLUMP, PROPORTIONED PER ASTM C 476 OR ATTAINING 3000 PSI AT 28 DAYS PER ASTM C 1019. DO NOT USE MORTAR AS BLOCK FILL.
7. ALL GROUT SHALL BE CONSOLIDATED AT TIME OF PLACEMENT USING A LOW VELOCITY MECHANICAL VIBRATOR WITH A 3/4-INCH HEAD. RE-CONSOLIDATE GROUT AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED. DO NOT PLACE NEXT LIFT OF GROUT UNTIL LOWER LIFT HAS BEEN RE-CONSOLIDATED.
8. ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE GROUTED SOLID. ALL LINTELS & BOND BEAMS SHALL BE GROUTED SOLID.
9. ALL BLOCK CELLS WHICH HAVE VERTICAL REINFORCING SHALL BE GROUTED FULL-HEIGHT IN 8'-0" LIFTS (MAXIMUM HEIGHT). PROVIDE 1 1/2" (MINIMUM) GROUT KEY BELOW MORTAR JOINT AT TOP OF EACH LIFT.
10. VERTICAL REINFORCING SHALL BE DOWELED TO FOOTING WITH HOOKED BARS AT THE BASE AND EXTEND FULL-HEIGHT INTO BOND BEAM AT THE TOP. WHERE SPLICES ARE NECESSARY, PROVIDE LAP LENGTH = 48 BAR DIAMETERS.
11. VERTICAL REINFORCING SHALL BE LOCATED IN THE CENTER OF THE BLOCK CELLS, UNLESS NOTED, AND SHALL BE HELD IN PLACE WITH BAR POSITIONERS (HECKMANN #876 OR HOHMANN & BARNARD #8B) PRIOR TO GROUTING. 'WET-STICKING' OF REINFORCING SHALL NOT BE ALLOWED.
12. MINIMUM VERTICAL WALL REINFORCING IN ALL WALLS SHALL CONSIST OF #6 VERTICAL IN EACH CORNER, AT EACH DOOR & WINDOW JAMB & AT EACH SIDE OF CONTROL AND/OR EXPANSION JOINTS. PROVIDE ADDITIONAL VERTICAL REINFORCING AS SHOWN IN SECTIONS AND AS NOTED ON PLANS.
13. AT CORNERS AND INTERSECTIONS OF BOND BEAMS IN WALLS, PROVIDE CORNER BARS (48 DIAMETERS LONG EA. LEG) TO TIE THE WALLS TOGETHER. BAR DIAMETER SHALL MATCH BOND BEAM REINFORCING.
14. AT TOP OF ALL MASONRY WALLS (BEARING OR NON-BEARING), PROVIDE 8" DEEP CONTINUOUS BOND BEAM REINFORCED WITH 2#5 CONTINUOUS, UNLESS NOTED OTHERWISE.
15. WHERE CMU IS PLACED IN A STACK BOND PATTERN, HORIZONTAL WALL REINFORCING SHALL CONSIST OF A MINIMUM STANDARD (Ø GAGE) LADDER-TYPE JOINT REINFORCING AT EVERY COURSE (8" O.C.) FOR 12" CMU OR AT EVERY OTHER COURSE (16" O.C.) FOR 8" CMU. COORDINATE W/ ARCHITECTURAL DRAWINGS. WHERE CMU IS PLACED IN A RUNNING BOND PATTERN, HORIZONTAL WALL REINFORCING SHALL CONSIST OF A MINIMUM STANDARD (Ø GAGE) LADDER-TYPE REINFORCING AT EVERY OTHER COURSE (16" O.C.).
16. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DETAILS AND LOCATIONS OF MASONRY CONTROL JOINTS. IF NOT OTHERWISE SHOWN, DO NOT EXCEED 30'-0" BETWEEN BLOCK WALL CONTROL JOINTS AND 20'-0" BETWEEN BRICK VENEER CONTROL JOINTS.
17. ANCHOR WALLS TO SUPPORTING STRUCTURES AS SHOWN ON THE STRUCTURAL AND ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING OF ALL MASONRY WALLS DURING CONSTRUCTION.
18. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS FOR ALL REINFORCING BARS INCLUDING DETAILS AT ALL OPENINGS AND ASSOCIATED ADDED REINFORCEMENT AS SHOWN ON TYPICAL DETAILS.

STEEL DECK

- 1. STEEL DECK CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF SDI STANDARDS.
2. ATTACH 3" ROOF DECK TO SUPPORTS AT 8" O.C. W/ 5/8" PUDDLE WELDS. ATTACH TO PERIMETER SUPPORTS AT 8" O.C. PROVIDE #10 TEK SCREW SIDELAP FASTENERS AT 24" O.C. (MIN. 3 PER SPAN).
3. DECK SUPPORTS AROUND STEEL COLUMNS AND CLOSURE ANGLES SHALL BE SUPPLIED BY THE DECK MANUFACTURER, IF REQUIRED.

PRE-ENGINEERED METAL BUILDING

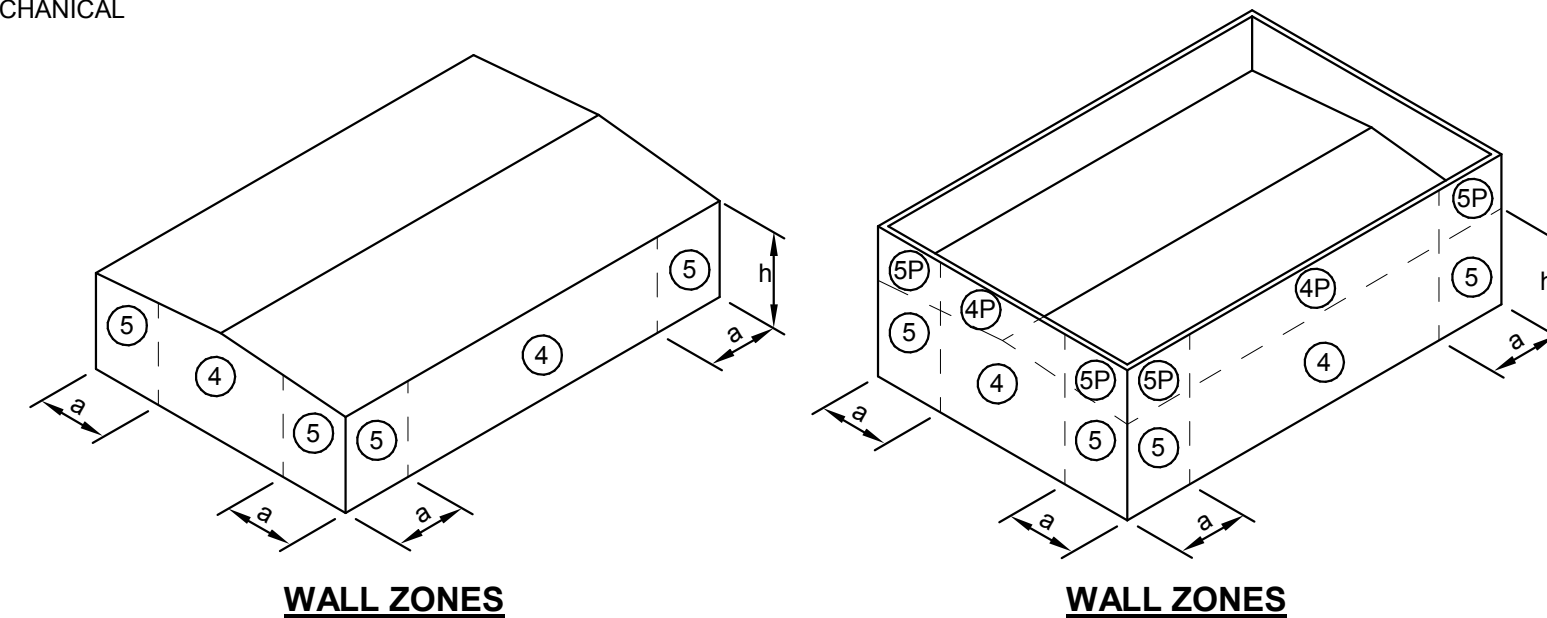
- 1. THE DESIGN, MANUFACTURE, QUALITY ASSURANCE AND ERECTION OF THE PRE-ENGINEERED METAL BUILDING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MBMA METAL BUILDING SYSTEMS MANUAL.
2. THE PRE-ENGINEERED METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE PRE-ENGINEERED METAL BUILDING. ALL DESIGN DRAWINGS FOR THE PRE-ENGINEERED METAL BUILDING SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF ALABAMA.
A. MBA ENGINEERS, INC. IS NOT RESPONSIBLE OR LIABLE FOR THE PRE-ENGINEERED METAL BUILDING DESIGN.
3. THE FOUNDATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE BASED UPON PRELIMINARY AND/OR ASSUMED LOADING AND ARE SHOWN FOR BID PURPOSES ONLY. WHEN THE PRE-ENGINEERED METAL BUILDING MANUFACTURER HAS BEEN SELECTED, AND THE FINAL DESIGN FOR THE METAL BUILDING IS COMPLETED, THE PRE-ENGINEERED METAL BUILDING ENGINEER SHALL FURNISH FINAL BUILDING REACTIONS AND NECESSARY DETAILS TO FOUNDATION ENGINEER FOR REVIEW AND MODIFICATION OF THE FOUNDATION DESIGN, IF REQUIRED.
4. THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL DESIGN AND FURNISH ALL ANCHOR BOLTS FOR THE METAL BUILDING COLUMNS. COORDINATE WITH THE STRUCTURAL DRAWINGS FOR CONCRETE STRENGTHS AND EMBEDMENT RESTRICTIONS.
5. THE PRE-ENGINEERED METAL BUILDING AND COMPONENTS SHALL BE DESIGNED IN ACCORDANCE WITH THE GRAVITY AND LATERAL DESIGN LOAD REQUIREMENTS OF THE PROJECT BUILDING CODE. IN ADDITION, THE FOLLOWING DESIGN REQUIREMENTS SHALL ALSO APPLY:
A. DESIGN METAL BUILDING FRAME FOR 20 PSF ROOF LIVE LOAD (WITHOUT REDUCTION) AND 6 PSF COLLATERAL LOAD, DESIGN MEZZANINE FLOORING FOR 100 PSF LIVE LOAD.
B. LIMIT LATERAL DEFLECTION OF METAL BUILDING FRAME TO L/240.
C. DESIGN FOR ALL ARCHITECTURAL DEAD LOADS. COORDINATE WITH ARCHITECTURAL DRAWINGS TO ESTIMATE THESE LOADS.
D. DESIGN FOR ANY MECHANICAL UNITS OR FANS. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

DESIGN CRITERIA

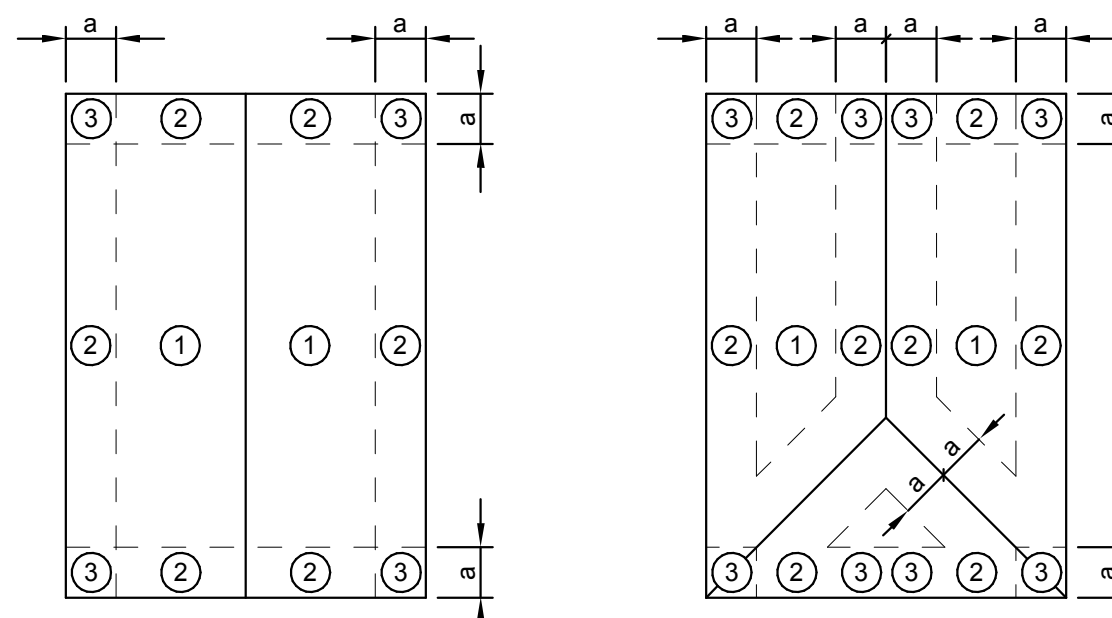
- 1. GOVERNING CODE:
A. INTERNATIONAL BUILDING CODE, I.B.C. 2018
2. GRAVITY DESIGN LOADS:
A. DEAD:
1. DESIGN DEAD LOADS ARE BASED ON THE SELF WEIGHT OF CONSTRUCTION MATERIALS SHOWN IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. ANY ALTERNATE MATERIALS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER TO REVIEW.
B. LIVE:
1. ROOF: 20 PSF
C. SNOW:
1. GROUND SNOW LOAD (Pg) = 0 PSF
3. LATERAL DESIGN LOADS:
A. WIND:
1. DESIGNED PER ASCE 7-16
2. BASIC WIND SPEED = 170 MPH
3. RISK CATEGORY = III
4. BUILDING CATEGORY = ENCLOSURE
5. EXPOSURE CATEGORY = C
6. INTERNAL PRESSURE COEFFICIENT (GCPI) = +0.18
7. COMPONENTS & CLADDING WIND PRESSURES SEE CHART

SPECIAL INSPECTIONS

- 1. THE OWNER SHALL EMPLOY A QUALIFIED TESTING AGENT/ENGINEER TO PROVIDE SPECIAL INSPECTIONS. SPECIAL INSPECTORS SHALL SUBMIT RESUME OF EXPERIENCE AND QUALIFICATIONS OF ALL INDIVIDUALS PERFORMING WORK TO THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED. SPECIAL INSPECTIONS SHOULD BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2018 ED. AND AS INDICATED IN THE SPECIFICATIONS.



WALL ZONES

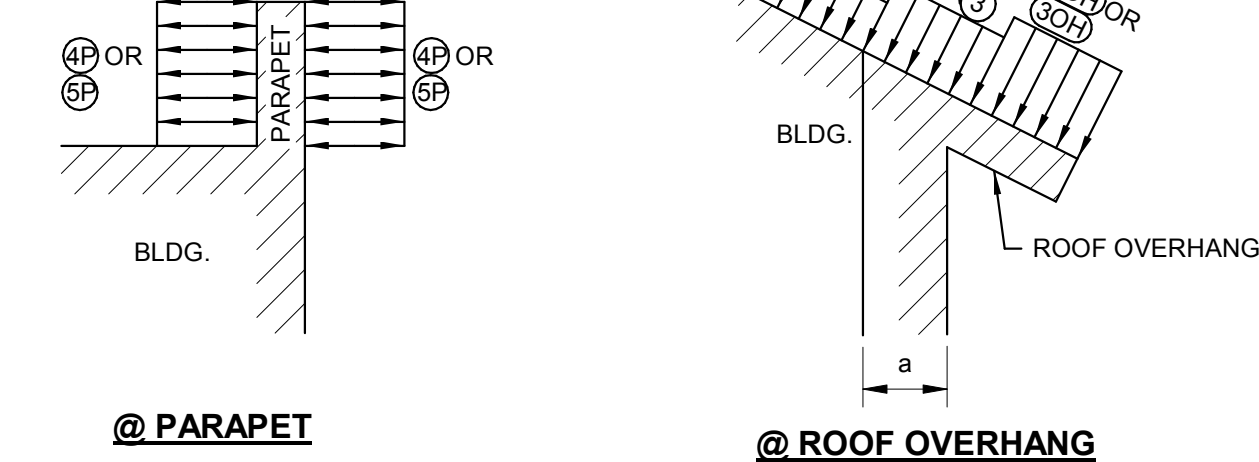


ROOF ZONES

GABLE ROOF 0' > 7'

ROOF ZONES

GABLE/HIP ROOF 7' < 27'



ZONE LAYOUT DIAGRAMS

COMPONENTS AND CLADDING DESIGN WIND PRESSURES (PSF) - CONNECTOR ONLY

Table with columns for EFFECTIVE WIND AREA and ZONE (1-5) and rows for wind speeds (10SF, 20SF, 50SF, 100SF, 200SF).



ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM



CITY OF ORANGE BEACH, ALABAMA

DAVIS ARCHITECTS

OWNER: CITY OF ORANGE BEACH, 4750 MAIN ST #200, ORANGE BEACH, ALABAMA 36561, 251-981-6979, ATTN: KEN GRIMES, JR.

ASSOCIATE ARCHITECT: MCCOLLOUGH ARCHITECTURE, 4750 MAIN ST #200, ORANGE BEACH, AL 36561, 251-988-7222, ATTN: STED MCCOLLOUGH

ARCHITECT: DAVIS ARCHITECTS, INC., 120 23RD STREET SOUTH, BIRMINGHAM, AL 35203, 205-322-7482, ATTN: JIM HARTSELL / JEFFREY MENASCO

CIVIL ENGINEER: SAWGRASS CONSULTING, LLC, 11143 OLD HIGHWAY 31, SPANISH FORT, AL 36527, 251-544-7900, ATTN: ERCEL E. GODWIN / DOUG CHAFFIN

STRUCTURAL ENGINEER: MBA ENGINEERS, 300 20TH ST., SUITE 100, BIRMINGHAM, AL 35203, 205-322-5385, ATTN: KEITH OWENS / MARK BOGER

MECHANICAL / PLUMBING ENGINEER: GULF STATES ENGINEERING, 600 AZALEA ROAD, MOBILE, AL 36609, 251-460-4648, ATTN: CHRIS DEARMON / VAN SIMPSON

FIRE PROTECTION ENGINEER: GULF STATES ENGINEERING, 600 AZALEA ROAD, MOBILE, AL 36609, 251-460-4648, ATTN: TOM WADE / BRIAN DOVE

ELECTRICAL ENGINEER: GULF STATES ENGINEERING, 600 AZALEA ROAD, MOBILE, AL 36609, 251-460-4648, ATTN: JERRY ONWU / SID SNYDER

Revision table with columns for REV, DATE, DESCRIPTION and rows for 1-2.

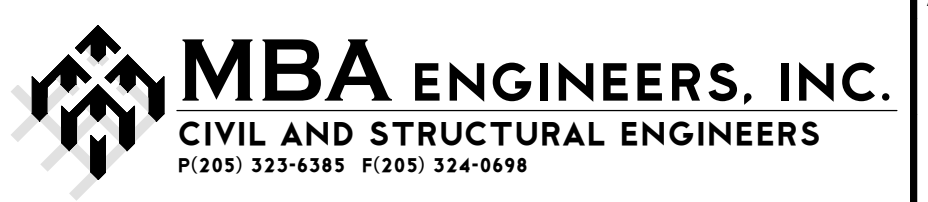
DATE: 2-18-2019

TITLE: 100% CONSTRUCTION DOCUMENTS

PROJECT NO: 3981.01

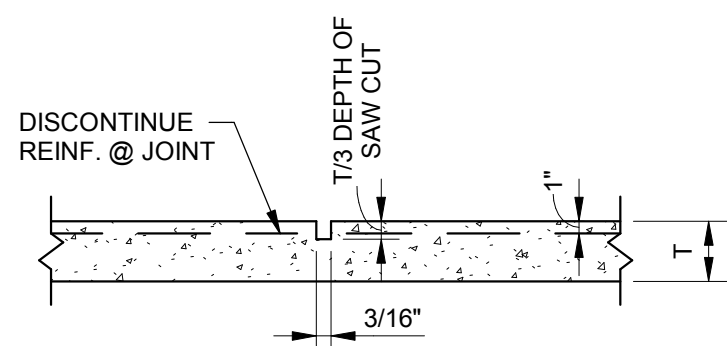
SHEET TITLE: GENERAL NOTES

DRAWING NO.



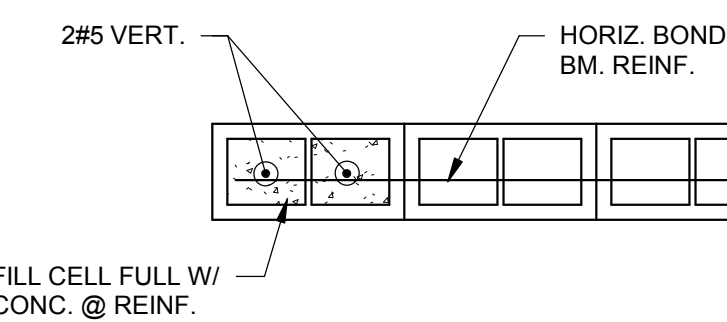
S1.01



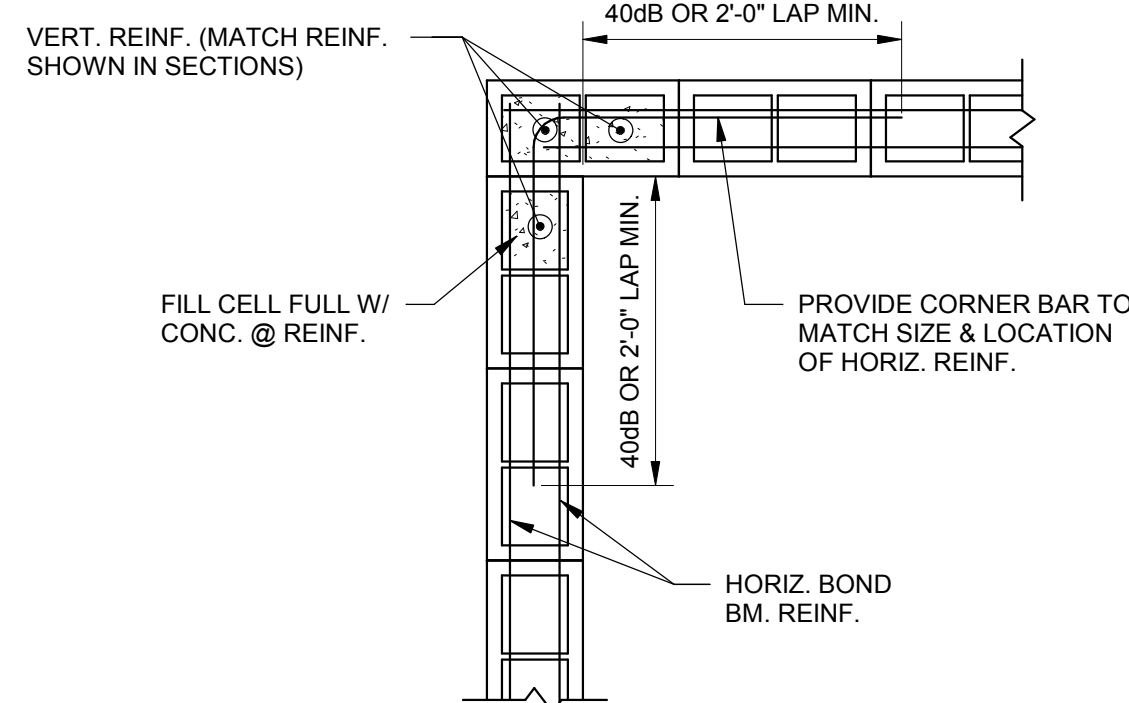


**TYPICAL SAWED CONTROL JOINT**

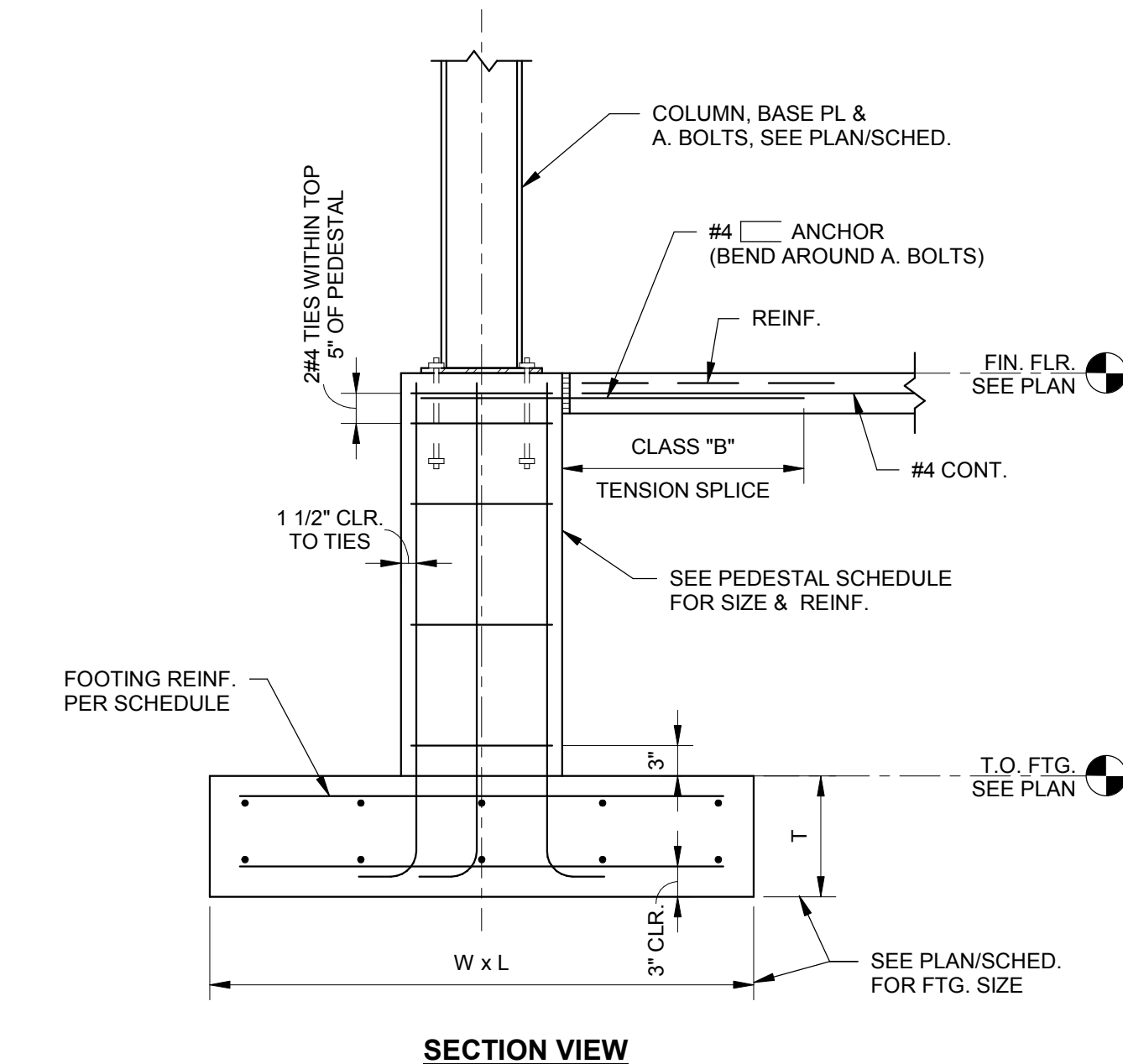
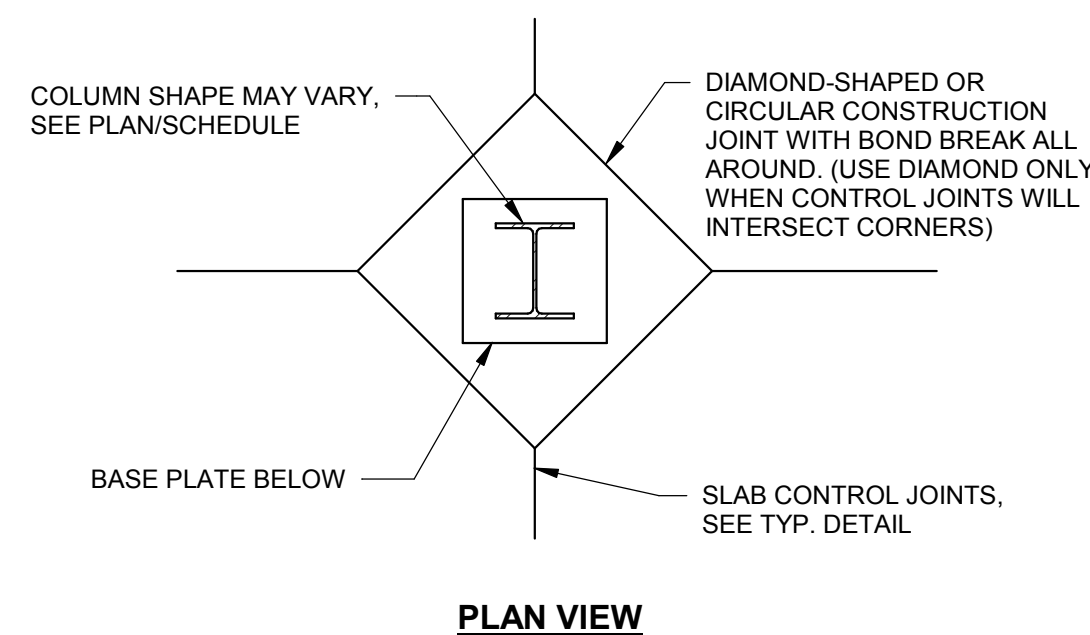
- NOTES:  
 1. USE SAWS, BLADES AND SKID PLATES BY SOFF-CUT INTERNATIONAL OR EQUAL.  
 2. SEE PLAN FOR JOINT LAYOUT.  
 3. START CUTTING SAWED JOINTS AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES. THIS WILL TYPICALLY BE FROM 1 HOUR IN HOT WEATHER TO 4 HOURS IN COLD WEATHER AFTER COMPLETING FINISHING OF SLAB IN THAT JOINT LOCATION.  
 4. EXTEND SAWED JOINT TO THE SLAB BOUNDARIES AND ABUTMENTS, INCLUDING COLUMNS, DRAINS AND OTHER PENETRATIONS IN THE PATH OF A DEFINED JOINT. IMPLEMENT METHODS AND TIMING OF THE SAW CUT BEYOND THE LIMITS OF THE SOFF-CUT SAW REACH TO PROVIDE A CONSISTENT DEPTH OF CUT WITH MINIMAL RAVELING OF JOINT EDGES.  
 5. T = SLAB THICKNESS (SEE PLAN)



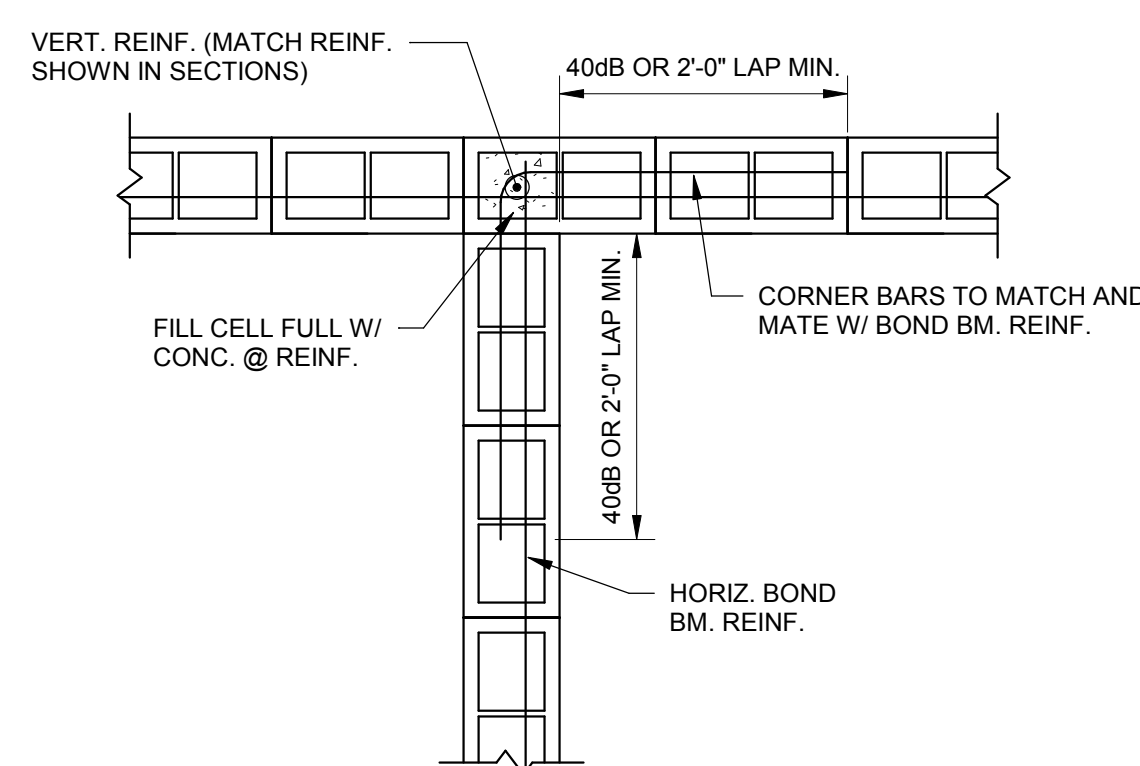
**TYPICAL JAMB AND END OF MASONRY WALL REINF. DETAIL**



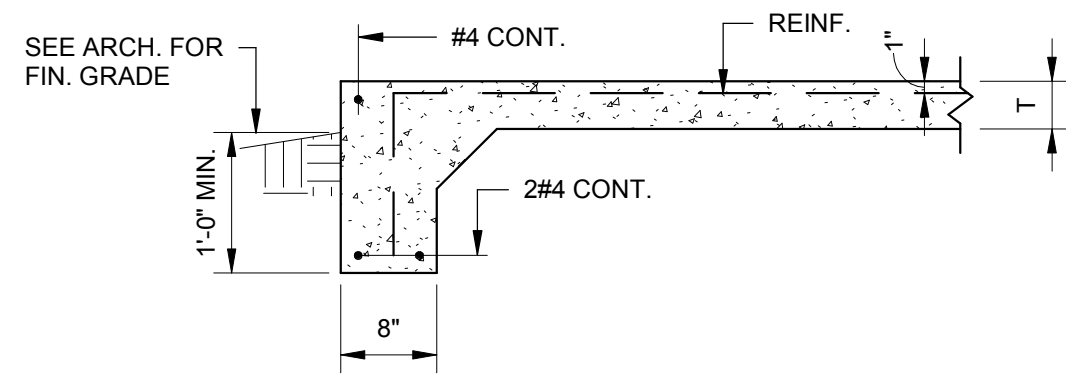
**TYPICAL CORNER MASONRY WALL REINF. DETAIL**



**TYPICAL COLUMN FOOTING DETAILS**

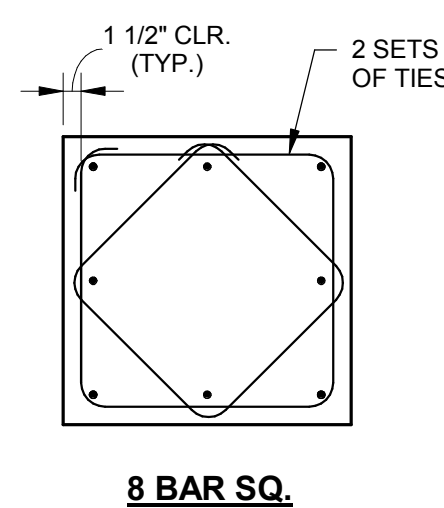


**TYPICAL INTERSECTION MASONRY WALL REINF. DETAIL**

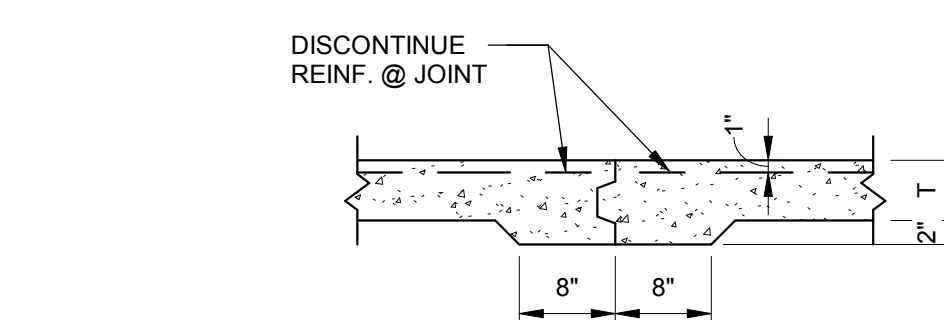


**TYPICAL TURNDOWN SLAB DETAIL**

- NOTE:  
 T = SLAB THICKNESS (SEE PLAN)

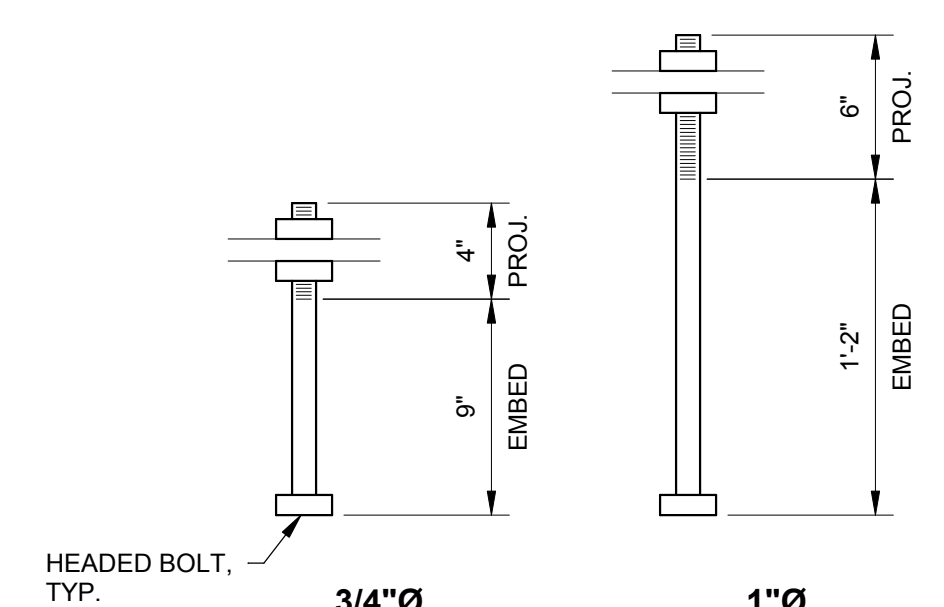


**TYPICAL PEDESTAL TIE ARRANGEMENTS**



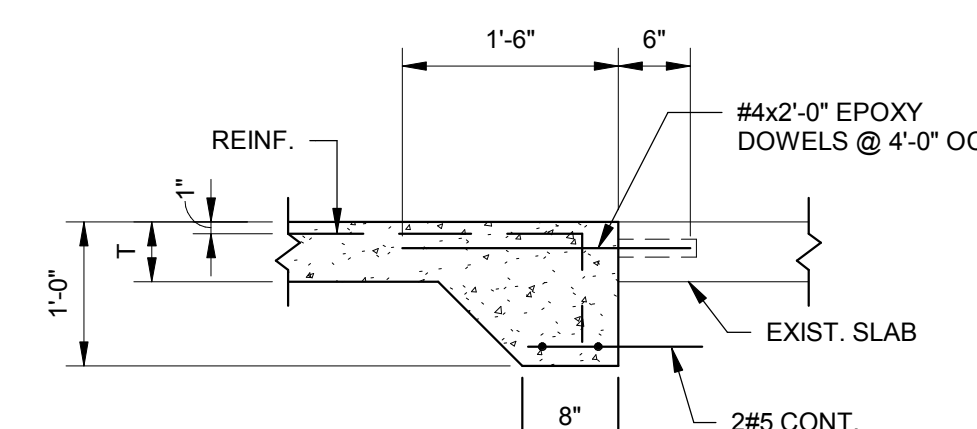
**TYPICAL KEYED CONTROL JOINT**

- NOTES:  
 1. T=SLAB THICKNESS (SEE PLAN)  
 2. SEE PLAN FOR LOCATION OF JOINTS



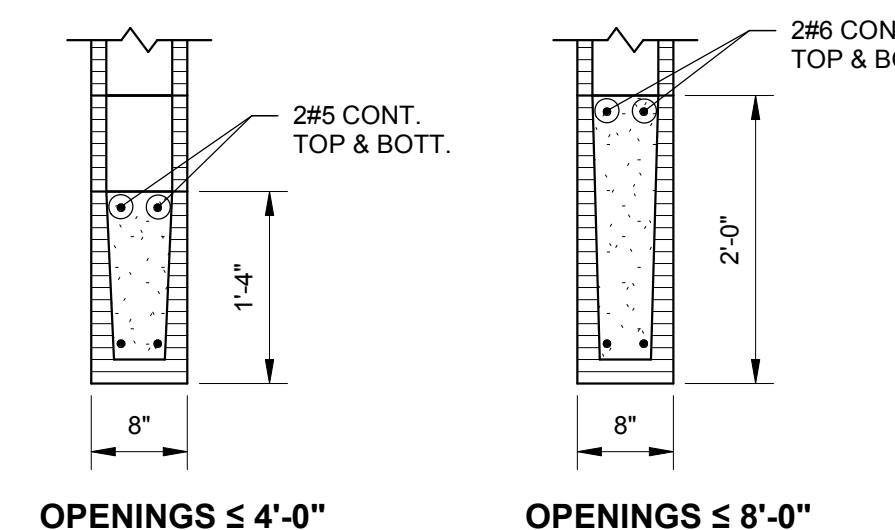
**TYPICAL ANCHOR BOLT DETAILS**

- USE ASTM F1554 GRADE 55 WITH WELDABILITY SUPPLEMENT S1 FOR ALL ANCHOR BOLTS UNO.

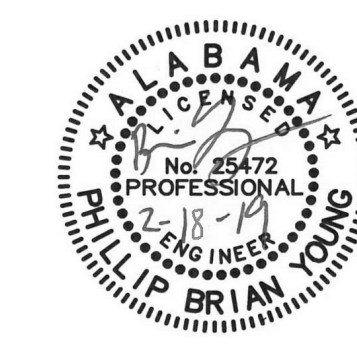


**TYPICAL NEW SLAB ON GRADE TO EXIST. SLAB CONNECTION DETAIL**

- NOTE:  
 T = SLAB THICKNESS (SEE PLAN)



**TYPICAL CMU WALL LINTEL DETAILS**



**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH;  
 ORANGE BEACH, AL

**DAVIS ARCHITECTS**

**OWNER**  
 CITY OF ORANGE BEACH  
 PO BOX 458  
 ORANGE BEACH, ALABAMA 36561  
 251-981-6979  
 ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
 MCCOLLOUGH ARCHITECTURE  
 4790 MAIN ST #205  
 ORANGE BEACH, AL 36561  
 251-988-7222  
 ATTN: STED MCCOLLOUGH

**ARCHITECT**  
 DAVIS ARCHITECTS, INC.  
 120 23RD STREET SOUTH  
 BIRMINGHAM, AL 35233  
 205-322-7482  
 ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
 SAWGRASS CONSULTING, LLC  
 11143 OLD HIGHWAY 31  
 SPANISH FORT, AL 36527  
 251-544-7900  
 ATTN: ERIC E. GODWIN / DOUG CHAFFIN

**STRUCTURAL ENGINEER**  
 MBA ENGINEERS  
 300 20TH ST. N., SUITE 100  
 BIRMINGHAM, AL 35203  
 205-323-6385  
 ATTN: KEITH OWENS / MARK BOGER

**MECHANICAL / PLUMBING ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: CHRIS DEARMON / VAN SIMPSON

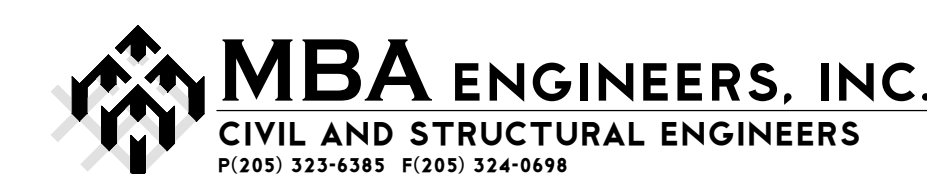
**FIRE PROTECTION ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: TOM WADE / BRIAN DOVE

**ELECTRICAL ENGINEER**  
 GULF STATES ENGINEERING  
 600 AZALEA ROAD,  
 MOBILE, AL 36609  
 251-460-4648  
 ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

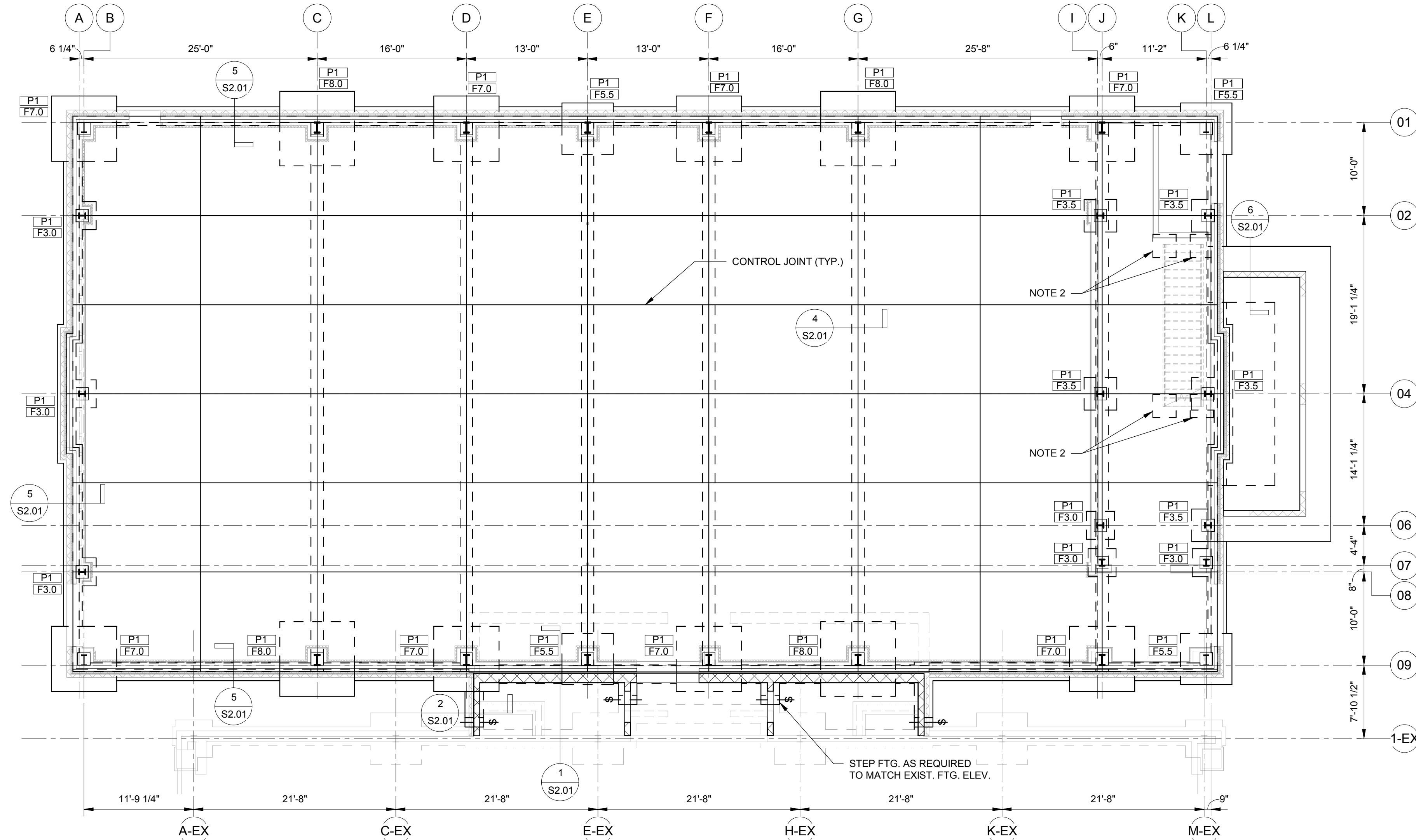
DATE	2-18-2019
SCALE	100% CONSTRUCTION DOCUMENTS
DESIGNED BY	DAVIS ARCHITECTS
PROJECT NO.	3981.01
SHEET TITLE	TYPICAL DETAILS

DRAWING NO.



**S1.02**

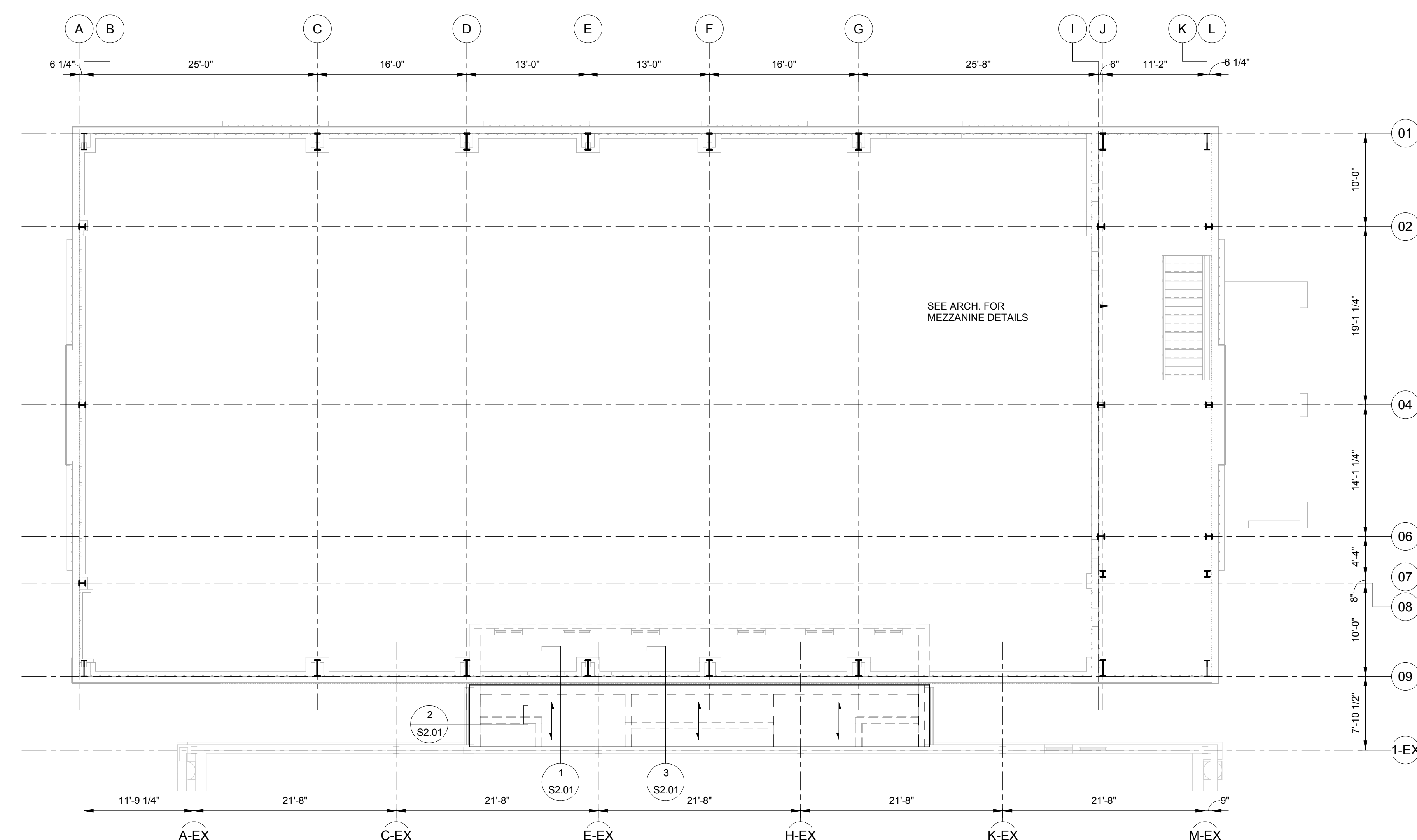




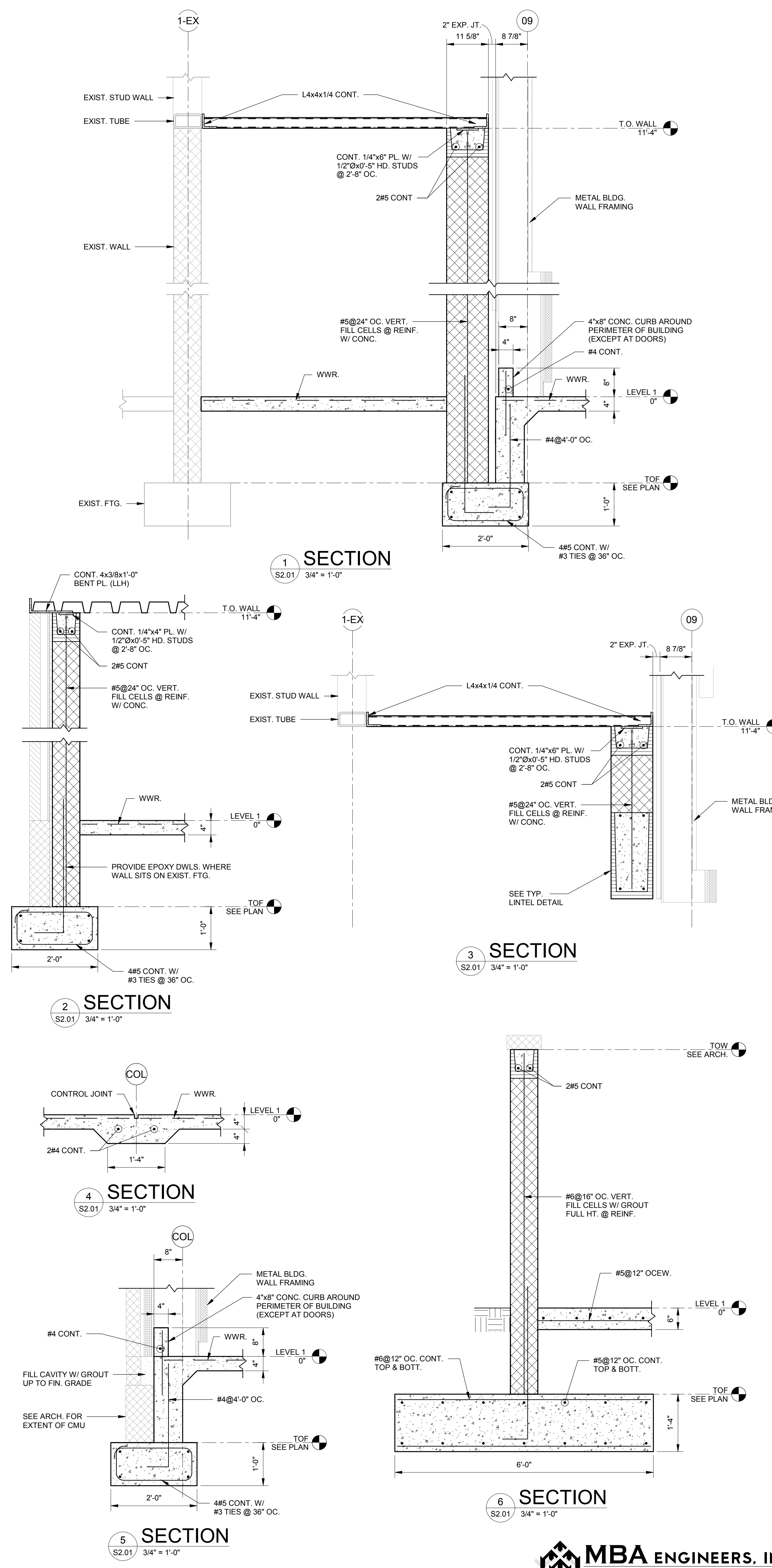
FOOTING SCHEDULE				
MARK	WIDTH	FOOTING SIZE	THICKNESS	REINFORCING
F3.0	3'-0"	3'-0"	1'-0"	3#5 EW, TOP & BOTT.
F5.5	3'-6"	3'-6"	1'-0"	4#5 EW, TOP & BOTT.
F7.0	5'-6"	5'-6"	2'-0"	10#5 EW, TOP & BOTT.
F8.0	7'-0"	7'-0"	2'-0"	9#5 EW, TOP & BOTT.

**FOUNDATION AND FLOOR PLAN**  
 1/8" = 1'-0" FIN. FLR. ELEV. 0'-0"  
**FLOOR CONSTRUCTION:**  
 4" N.W. CONC. SLAB ON DRAINAGE FILL. REINF. W/ 6x6-W1.4xW1.4 WWR.  
**NOTES:**  
 1. TOP OF FOOTING ELEV. (-2'-0") BELOW FIN. FLR. UNLESS NOTED THUSLY (-X'-X").  
 2. PROVIDE 2'-6" SQ. x 1'-0" DEEP THICKENED SLAB @ STAIR POSTS & STRINGER SUPPORTS.

PEDESTAL SCHEDULE					
MARK	WIDTH	HEIGHT	REINF.	TIES	REMARKS
P1	16"	16"	6#6	2#4 @ 12" OC.	



**MEZZANINE & LOW ROOF FRAMING PLAN**  
 1/8" = 1'-0"  
**LOW ROOF CONSTRUCTION:**  
 3" DEEP, 22 GA. GALV. (TYPE 3N) METAL ROOF DECK



**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**  
 CITY OF ORANGE BEACH, ALABAMA 36561  
 ATTN: KEN GRIMES, JR.



**OWNER**  
 CITY OF ORANGE BEACH  
 PO BOX 455  
 ORANGE BEACH, ALABAMA 36561  
 251-981-6972  
 ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
 MCCOLLOUGH ARCHITECTURE  
 4750 MAN ST #205  
 ORANGE BEACH, AL 36561  
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 ATTN: STED MCCOLLOUGH

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 ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

DATE: 2-18-2019  
 PHASE: 100% CONSTRUCTION DOCUMENTS  
 DRAWN FOR: DAVIS ARCHITECTS PROJECT NO: 3981.01  
 SHEET TITLE: FLOOR PLANS  
 DRAWING NO: S2.01



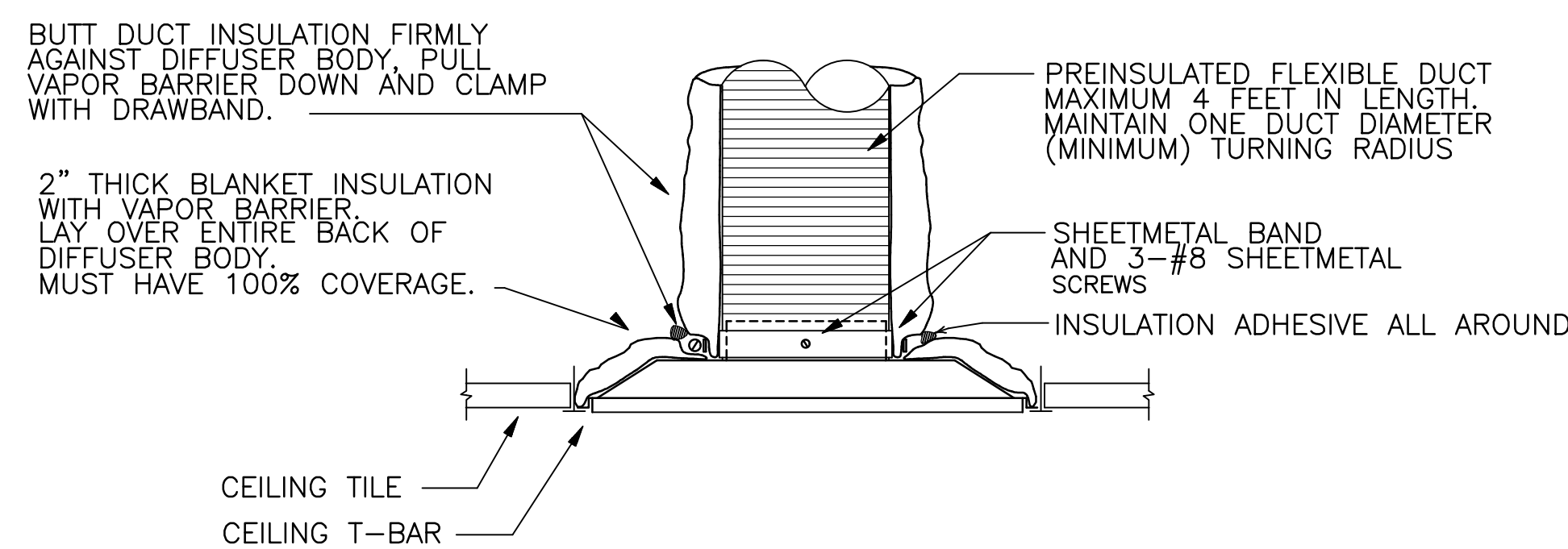
**GENERAL HVAC NOTES**

- FURNISH ALL LABOR, MATERIALS, TOOLS, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE HEATING, VENTILATING, AIR CONDITIONING SYSTEM. ALL WORK SHALL BE INSTALLED IN A PROFESSIONAL MANNER AND SHALL MEET ALL THE REQUIREMENTS OF THE 2015 INTERNATIONAL MECHANICAL CODE, SAFETY AND HEALTH CODES, NFPA CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. ALL COSTS FOR SAID REQUIREMENTS SHALL BE INCLUDED IN THIS CONTRACTORS BID PRICE.
- IN ALL SYSTEMS OVER 2,000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A IN THE SUPPLY DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTER, TO AUTOMATICALLY STOP THE FAN. PROVIDE U.L. LISTED 125°F FIRESHOT IN RETURN AIR OF EACH SYSTEM UNDER 2,000 CFM TO SHUT DOWN FAN IN THE EVENT OF A FIRE.
- THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS AND PERFORM ALL TESTS CALLED FOR OR REQUIRED AS A PART OF HIS WORK. FURNISH APPROVED CERTIFICATE OF FINAL INSPECTION, AND TURN OVER TO OWNER AT COMPLETION OF PROJECT.
- MECHANICAL PLANS ARE DIAGRAMMATIC, NOT SHOWING EVERY ITEM IN EXACT LOCATION OR DETAIL. MEASUREMENTS AND LOCATIONS MUST BE FIELD VERIFIED AND COORDINATED WITH ARCHITECTURAL, HVAC, FIRE PROTECTION, STRUCTURAL, ELECTRICAL AND OTHER BUILDING DRAWINGS.
- MECHANICAL CONTRACTOR TO PROVIDE GENERAL CONTRACTOR WITH AS-BUILT DRAWINGS, ALL EQUIPMENT SHOP DRAWINGS, INFORMATION ON THERMOSTATS, CONTROL WIRING DIAGRAMS AND OTHER PERTINENT INFORMATION AT COMPLETION OF PROJECT.
- DUCTS USED TO CONVEY THE CONDITIONED AIR SUPPLY AND VENTILATION AIR SHALL BE; MADE OF STANDARD FABRIC MATERIAL, SUPPORTED BY CABLES FROM THE CEILING, SUPPORTED BY INTERNAL RINGS INSTALLED BY MANUFACTURER, AND USE 5/32" OR LARGER PERFORATIONS TO DISPERSE CONDITIONED AIR.
- DUCT LININGS (THERMAL AND ACOUSTICAL), VIBRATION ISOLATION CONNECTORS, FLEXIBLE DUCT CONNECTORS, AND DUCT TYPE SHALL BE APPROVED BY APPLICABLE CODE AND MECHANICAL ENGINEER.
- PROVIDE ADEQUATE PRE-FILTERING (MIN EU3/MERVS) PRIOR TO THE FABRIC DUCT SYSTEM, ACCORDING TO MANUF. SPECS.
- SOFT STARTER, VSD, VFD, RECOMMENDED WHEN POSSIBLE.
- ALL RETURN AND SUPPLY AIR DUCTWORK, THAT IS NOT LINED, SHALL BE EXTERNALLY INSULATED WITH 2" THICK, 1.5 LBS. DENSITY FOIL FACED FIBERGLASS INSULATION. DUCT DIMENSIONS SHOWN ARE INSIDE NET DIMENSIONS, ADD TO SHEET METAL SIZE FOR INSULATION. IN GENERAL, INSTALL DUCTWORK TIGHT TO UNDERSIDE OF STRUCTURE UNLESS OTHERWISE NOTED OR REQUIRED BY FIELD CONDITIONS. COORDINATE EXACT MOUNTING HEIGHT IN FIELD WITH GENERAL CONTRACTOR. ROUND DUCTWORK IN CONDITIONED SPACE DOES NOT REQUIRE INSULATION UNLESS OTHERWISE NOTED.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT, WHICH HE INSTALLS. THIS INCLUDES ALL CONDENSERS, REFRIGERANT LINES, AND OTHER ITEMS FURNISHED BY OTHERS AS WELL AS THOSE FURNISHED BY THE MECHANICAL CONTRACTOR.
- ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS
- ALL TEMPERATURE CONTROLS, FIRE ALARM COMPONENTS, EQUIPMENT NAMEPLATES, LABELS, OR COLOR CODED COMPONENTS SHALL BE MASKED DURING PAINTING TO PREVENT DAMAGE FROM OVER-SPRAY OR OBSCURING INFORMATION.
- ALL LOW VOLTAGE WIRING REQUIRED FOR MECHANICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL COORDINATE POWER REQUIREMENTS FOR HVAC EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- SEAL & TAPE ALL OPENINGS IN DUCTWORK AIRTIGHT AFTER TESTING.
- CHECK & VERIFY ALL FIELD CONDITIONS & ACTUAL DIMENSIONS BEFORE PREPARING SHOP DRAWINGS BEFORE INSTALLATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY AND ALL DISCREPANCIES.
- TEST & BALANCE ALL SUPPLY, RETURN & EXHAUST SYSTEMS ACCORDING TO CFM INDICATED ON PLANS. SUBMIT REPORT AS PER SPECIFICATIONS.
- ALL APPLIANCE AND PLUMBING VENTS SHALL BE AT LEAST TEN (10) FEET IN A HORIZONTAL DIRECTION. OR THREE (3) FEET ABOVE THE OUTSIDE AIR INTAKES FOR HVAC AND MAKE-UP AIR UNITS.
- IN THE EVENT THAT CERTAIN WORK REQUIRES INCIDENTAL DAMAGE TO THE BUILDING, FINISHES OR PROPERTY TO COMPLETE THE WORK, THE CONTRACTOR FURNISH ALL REPAIR NECESSARY TO DELIVER TO THE AFFECTED AREA BACK TO OWNER THAT MEETS OR EXCEEDS THE CONDITION PRIOR TO DAMAGE.
- VERIFY EXISTING CONDITIONS WHERE FANS ARE SCHEDULED FOR REPLACEMENT PRIOR TO EQUIPMENT ORDER.

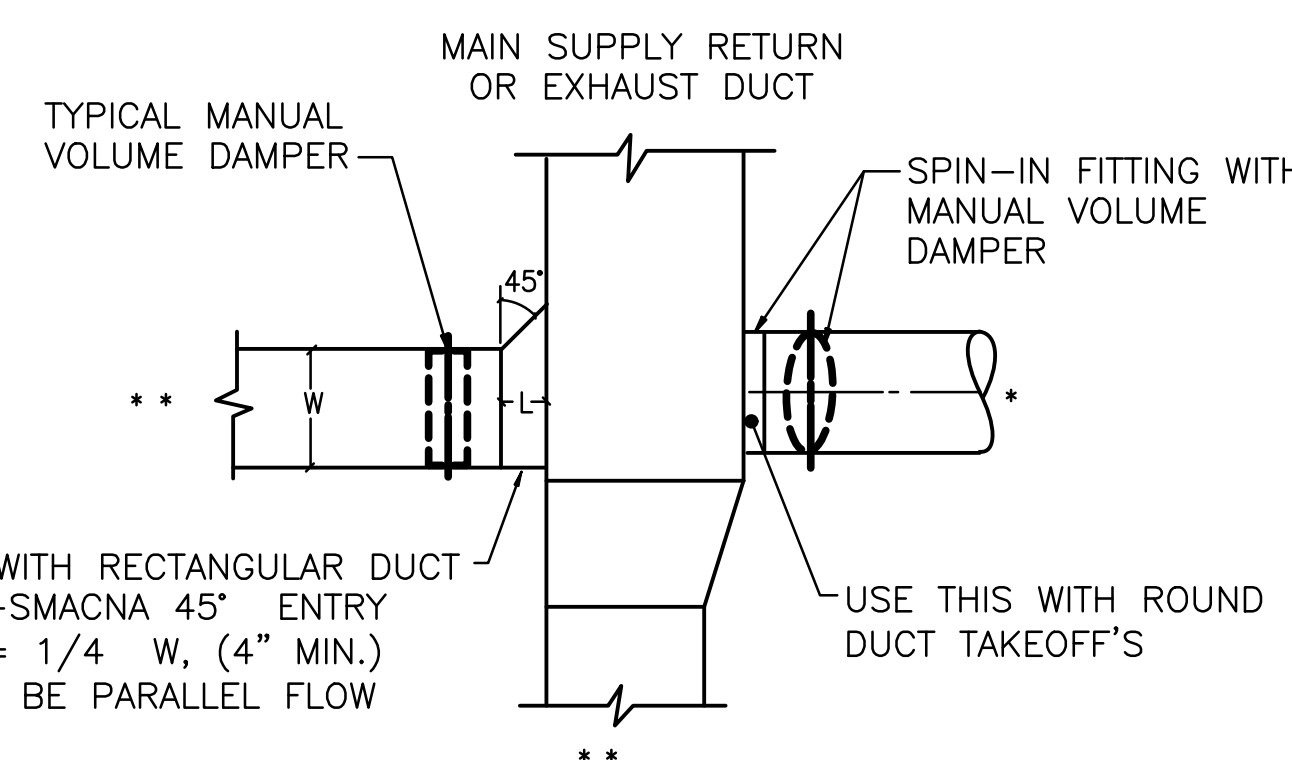
**HVAC SYMBOL LEGEND**

ALL SYMBOLS SHOWN MAY NOT APPEAR IN DRAWINGS.

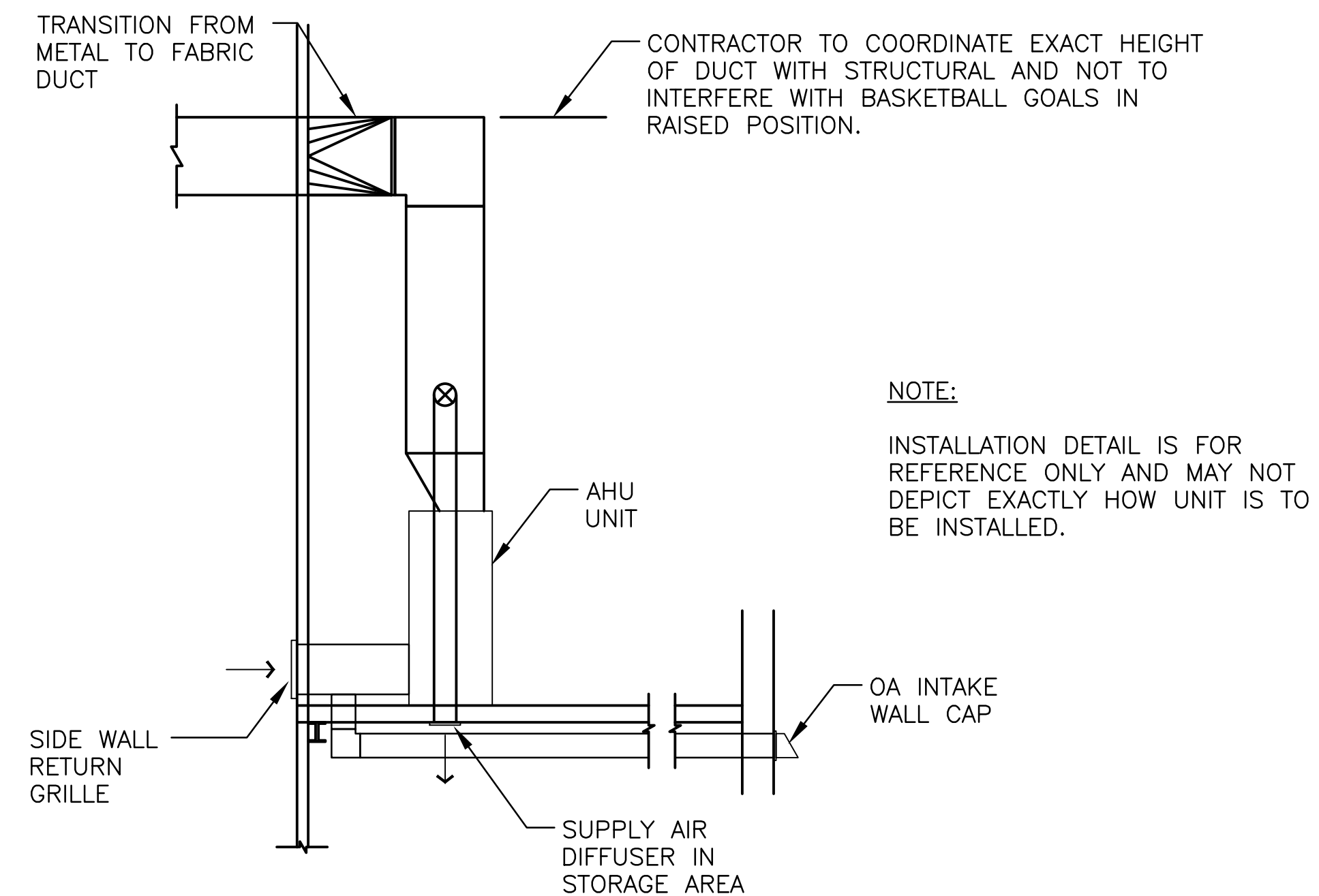
- ☐ SUPPLY AIR
- ☐ RETURN AIR
- MOTORIZED OUTDOOR AIR DAMPER
- ⊕ THERMOSTAT
- △ WALL CAP
- ▭ DUCT TURNING UP/DOWN



1 TERMINAL INSTALLATION DETAIL  
M1.0 SCALE: NONE



2 LOW PRESSURE DUCT VOLUME DAMPER REQUIREMENTS  
M1.0 SCALE: NONE



3 HVAC UNIT INSTALLATION DETAIL  
M1.0 SCALE: NONE

**SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE**

MARK NO.	AREA SERVED	TONS	TOTAL CFM	O.A. (CFM)	IEER	CLG. CAP.		HTG. CAP.		INDOOR UNIT				OUTDOOR UNIT (2-STAGE HEAT/COOL)					NOTES			
						TOTAL MBH	SENS. MBH	CAPACITY MBH	AUX. HEAT KW	VOLT PHASE	HP #SPEEDS	E.S.P.	MCA	MOCP	VOLT PHASE	COMP. RL-LR	FAN FLA (AMPS)	MCA		MOCP	WEIGHT (LBS)	
AHU-1	HP-1	GYMNASIUM	15	6000	940	11.6	180	133	178	20	208/3	3 HP	0.5	90	90	208/3/60	25-164	5	66	90	800	ALL
AHU-2	HP-2	GYMNASIUM	15	6000	940	11.6	180	133	178	20	208/3	3 HP	0.5	90	90	208/3/60	25-164	5	66	90	800	ALL

**NOTES:**

- FURNISH WITH 2-STAGE HEAT/COOL, DIGITAL, PROGRAMMABLE THERMOSTAT WITH REMOTE BULB LOCATED IN AHU RETURN.
- FURNISH WITH DRAIN PAN FLOAT SWITCH FOR AHU SHUTDOWN.
- FURNISH WITH LOW AMBIENT CONTROLS.
- FURNISH WITH ANTI-SHORT CYCLE TIMER.
- FURNISH WITH EVAPORATOR DEFROST CONTROL.
- FURNISH AND INSTALL VIBRATION ISOLATOR FEET TO OUTDOOR UNITS.
- FURNISH WITH CO2 SENSOR, INTERLOCK W/ MOTORIZED OUTDOOR AIR DAMPER
- FURNISH SMOKE DETECTOR LOCATED IN RETURN DUCT

**VENTILATION CALCULATION**

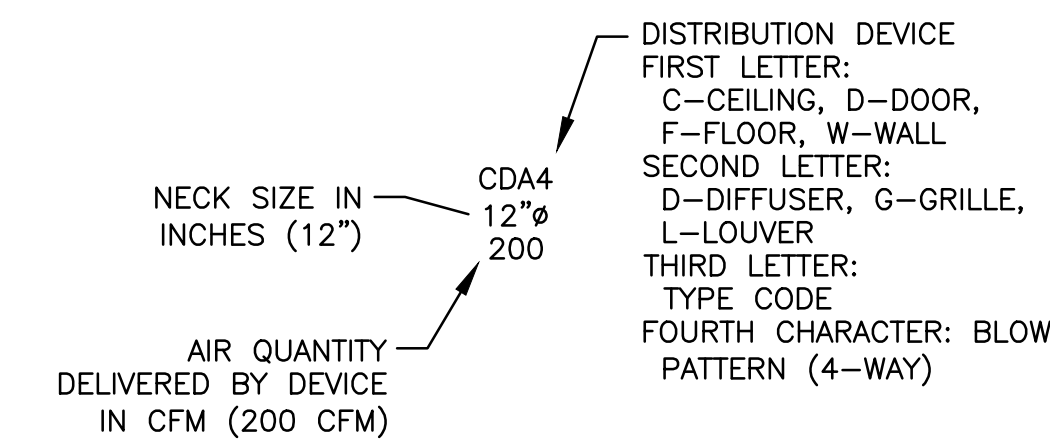
ROOM	APPROX ROOM SIZE (SF) "Az"	VENTILATION REQUIREMENTS		OCCUPANCY VALUES "Pz"		VENTILATION RATES "Vbz"	EXHAUST AIR RATES	ADJUSTED OUTSIDE AIR RATE (CFM)	EXHAUST AIR RATE AS DESIGNED (CFM)	REMARKS
		IMC 2015 TABLE 403.3	IMC 2015 TABLE 403.3	PEOPLE REQUIRED PER DESIGN	IMC 2015 TABLE 403.3					
GYMNASIUM	5000	+ 0.30 CFM/SF	-	-	-	1500	-	1875	-	

**AIR TERMINAL DEVICE SCHEDULE**

MARK	DESCRIPTION	MFGR	MODEL	MATERIAL	NECK	NOTES
CD	CEILING DIFFUSER	TITUS	250-AA	ALUM.	RECT	ALL
WRAG	WALL RETURN GRILLE	TITUS	300RL	SS	RECT	ALL
TG	TRANSFER GRILLE	TITUS	300RL	SS	RECT	ALL

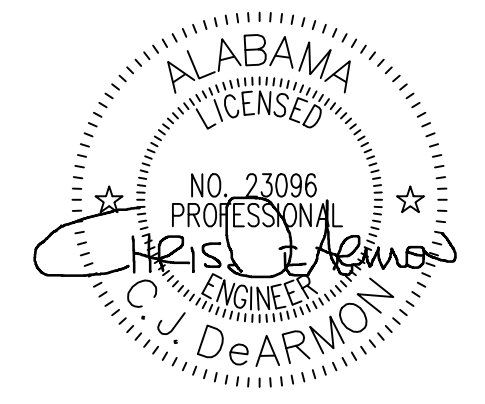
**NOTES:**

- BASIS OF DESIGN - MAY SUBMIT EQUAL.
- FINISH SHALL BE VERIFIED W/ARCHITECT



**HVAC CONTROLS**

PROVIDE SCHNEIDER MNB-300 BACNET UNITARY CONTROLLER AND ASSOCIATED CONTROL WIRING FOR EACH AIR HANDLING UNIT. PROVIDE ALL I/O CONTROLS IDENTICAL TO THE EXISTING AIR HANDLING UNITS IN THE BUILDING. PROVIDE AND CONNECT BACNET NETWORK WIRING TO EXISTING SYSTEM. COORDINATE ALL REQUIREMENTS WITH CHRIS CONWAY (251-747-1922) PRIOR TO BIDDING.



02/18/19

**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL

**DAVIS ARCHITECTS**

**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 498  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
MCCOLLUGH ARCHITECTURE  
4780 MAIN ST #209  
ORANGE BEACH, AL 36561  
251-988-7222  
ATTN: STED MCCOLLUGH

**ARCHITECT**  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
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ATTN: JIM HARTSELL / JEFFREY MENASCO

**CIVIL ENGINEER**  
SAWRASS CONSULTING, LLC  
11143 OLD HIGHWAY 31  
SPANISH FORT, AL 36527  
251-544-7900  
ATTN: EROL E. GOODWIN / DOUG CHAFFIN

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205-323-5385  
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**MECHANICAL / PLUMBING ENGINEER**  
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REV DATE DESCRIPTION

DATE 02-18-2019

TITLE CONSTRUCTION DOCUMENTS

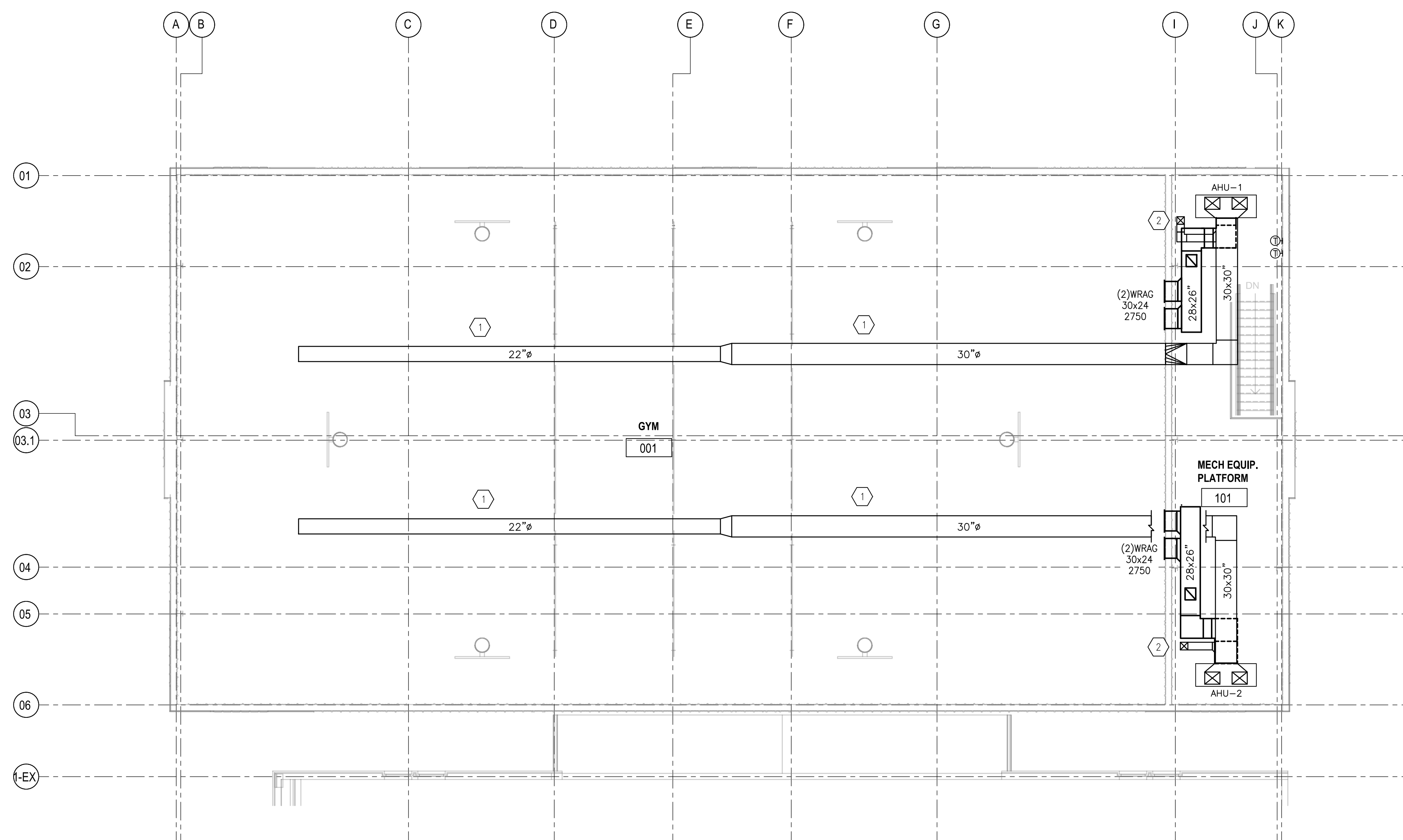
PROJECT NO. 3891.01

SHEET TITLE HVAC NOTES AND SCHEDULES

DRAWING NO.

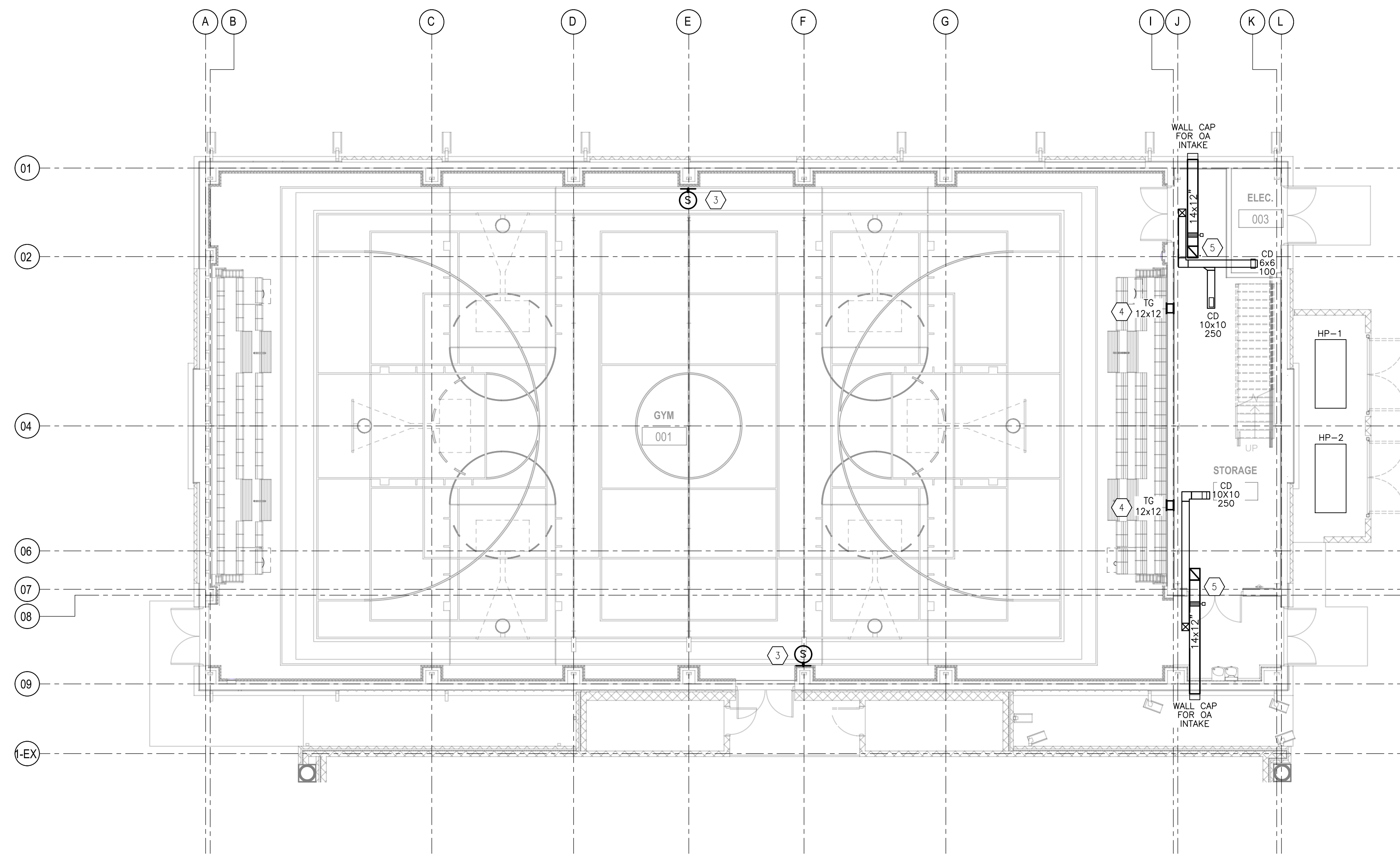
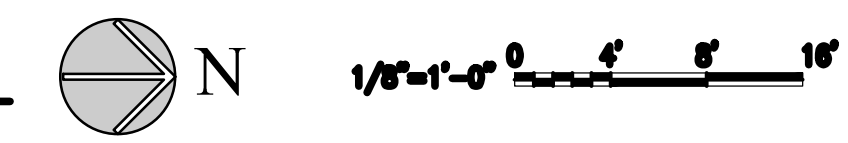
M1.01





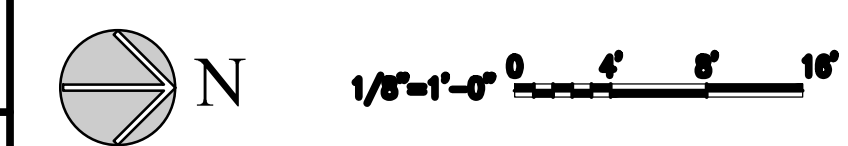
**MEZZANINE - HVAC PLAN**

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



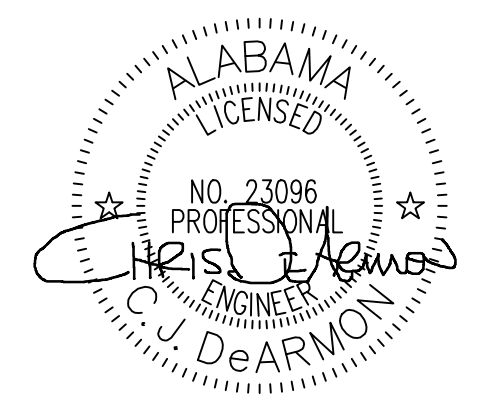
**LEVEL 1 - HVAC PLAN**

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



**KEY NOTES**

- 1 CONTRACTOR TO ENSURE DUCTWORK DOES NOT CONFLICT WITH BASKETBALL GOAL IN RAISED POSITION.
- 2 ROUTE 10x10" SUPPLY DUCT DOWN TO STORAGE ROOM
- 3 WALL MOUNTED CO2 SENSOR TO BE INTERCONNECTED TO MOTORIZED OUTDOOR AIR DAMPER IN OA INTAKE DUCT.
- 4 INSTALL 12x12" TRANSFER LOUVER IN WALL, ALIGN WITH RETURN LOUVERS ABOVE.
- 5 ROUTE DUCT UP THRU CEILING FOR OA INTAKE



02/18/19

**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

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REV	DATE	DESCRIPTION

DATE: 02-18-2019

PROJECT: CONSTRUCTION DOCUMENTS

DRAWN BY: DAVIS ARCHITECTS PROJECT NO.: 3891.01

SHEET TITLE: HVAC PLAN

DRAWING NO.:

**M2.01**

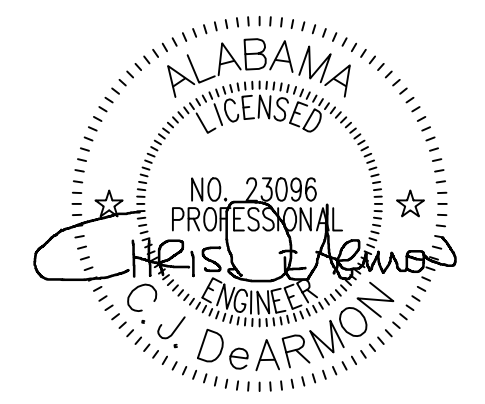


**PLUMBING NOTES:**

1. THIS CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES AND NORMAL FUNCTIONING OF EXISTING FACILITIES AND SERVICES. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE COLD WATER AND SEWER PIPING, INSULATION, SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME.
2. DO NOT SCALE THE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF DOORS, WINDOWS, WALLS, FIXTURES, ETC. ALL WATER MAINS AND PIPING SHOWN FOR CLARITY, FIELD VERIFY ALL LOCATIONS.
3. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, COUNTY, STATE AND NATIONAL GOVERNING CODES.
4. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. PLUMBER TO VERIFY SLAB CONDITIONS (POST TENSION, OR CONVENTIONAL) BEFORE COMMENCING ANY WORK. VERIFY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD. CUT AND PATCH AS REQUIRED TO INSTALL PIPES. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
5. SEWAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
6. THE CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, EQUIPMENT, ETC.
7. COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.
8. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS, AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
10. ALL FLOOR DRAINS ARE TO HAVE 6" DEEP SEAL TRAPS.
11. PROVIDE STOPS AND SHOCK ABSORBERS AT EACH FIXTURE OR GROUP OF FIXTURES.
12. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDENSATE DRAIN PIPING AND FITTINGS. INSULATE ALL CONDENSATE DRAIN PIPING AND FITTINGS WITH 1/2" "ARMAFLEX" PIPE INSULATION.
13. PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS AND APPLIANCES WITH DIRECT CONNECTIONS TO DOMESTIC WATER.
14. PROVIDE DI-ELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.
15. ALL WATER LINES INSTALLED IN EXTERIOR WALLS SHALL BE INSTALLED INSIDE OF WALL INSULATION AND INSULATED INDIVIDUALLY TO PROTECT FROM FREEZING.
16. COORDINATE THE COLOR OF ALL PLUMBING FIXTURES WITH THE OWNER.
17. INSTALL TRAP PRIMERS FOR RESTROOM FLOOR DRAINS.
18. PLUMBER RESPONSIBLE FOR FINAL CONNECTION TO ALL KITCHEN EQUIP.
19. PROVIDE APPROVED BACKFLOW PREVENTION AT ALL EQUIPMENT DIRECTLY CONNECTED TO WATER SYSTEM.
20. PROVIDE FLEXIBLE CONNECTIONS WITH QUICK CONNECT COUPLINGS AT ALL GAS FIRED EQUIPMENT CONNECTIONS.
21. PROVIDE CLEANOUTS EVERY 75' OR AT EACH CHANGE IN DIRECTION MORE THAN 45' AS REQUIRED BY CODE.
22. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
23. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATERTUBE, TYPE L. HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 95A (95-5)SOLDER.
24. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
25. ALL ELECTRICAL, MECHANICAL & PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
26. TEST ALL PIPING AT REQUIRED PRESSURE.
27. ALL WATER PIPING AS FOLLOWS SHALL BE COVERED WITH 1-INCH THICK HEAVY DENSITY FIBERGLASS SECTION PIPE INSULATION EQUAL TO OWENS-CORNING FIBERGLASS 25 ASJ/SSL:
  1. DOMESTIC COLD WATER
  2. DOMESTIC HOT WATER

FITTINGS FOR THE ABOVE SHALL BE INSULATED WITH PREMOLDED FITTING INSULATION OF THE SAME MATERIAL AND THICKNESS AS THE ADJACENT INSULATION AND SHALL BE COVERED WITH A PREMOLDED PLASTIC (PVC) VAPOR BARRIER AND SEALED WITH VAPOR BARRIER LAGGING ADHESIVE. ADHERE 3-INCH WIDE BUTT JOINT STRIPS OVER ALL END JOINTS WITH VAPOR BARRIER ADHESIVE. COVERING ADJACENT TO UNIONS AND OTHER POINTS OF TERMINATION SHALL BE FINISHED WITH THE PLASTIC MATERIAL NEATLY BEVELED. INSULATE FITTINGS ON ARMAFLEX INSULATION WITH FLEXIBLE FOAM SPLIT AND JOINTS SEALED WITH APPROVED MASTIC. NO ADDITIONAL FINISH IS REQUIRED ON ARMAFLEX INSULATION INSIDE THE BUILDING WALLS.

PLUMBING FIXTURE SCHEDULE						
ITEM	DESCRIPTION	WASTE	VENT	CW	HW	FIXTURE DESCRIPTION
WF-1	DRINKING FOUNTAIN	2	1 1/2	1/2	-	ELKAY COOLER WALL MOUNT, ADA, NON-FILTERED 8 GPH, LIGHT GRAY GRANITE, MODEL EZS8L, 115V/60HZ, ELECTRONIC PUSHBAR
HB	HOSE BIBB	-	-	1/2	-	HOSE BIBB, OUTDOOR TYPE, ZURN Z-1320 WITH CERAMIC DISC, NON-FREEZE, ENCASED, ANTI-SIPHON, AUTO DRAIN, S.S. BOX & HINGED COVER, KEY LOCK, ALL BRONZE INTERIOR PARTS. COVER STAMPED "WATER".



02/18/19

**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
CITY OF ORANGE BEACH  
PO BOX 458  
ORANGE BEACH, ALABAMA 36561  
251-981-6979  
ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
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ATTN: STED MCCOLLUGH

**ARCHITECT**  
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ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

DATE: 02-18-2019

PROJECT: CONSTRUCTION DOCUMENTS

DRAWN FOR: PROJECT NO.: 3891.01

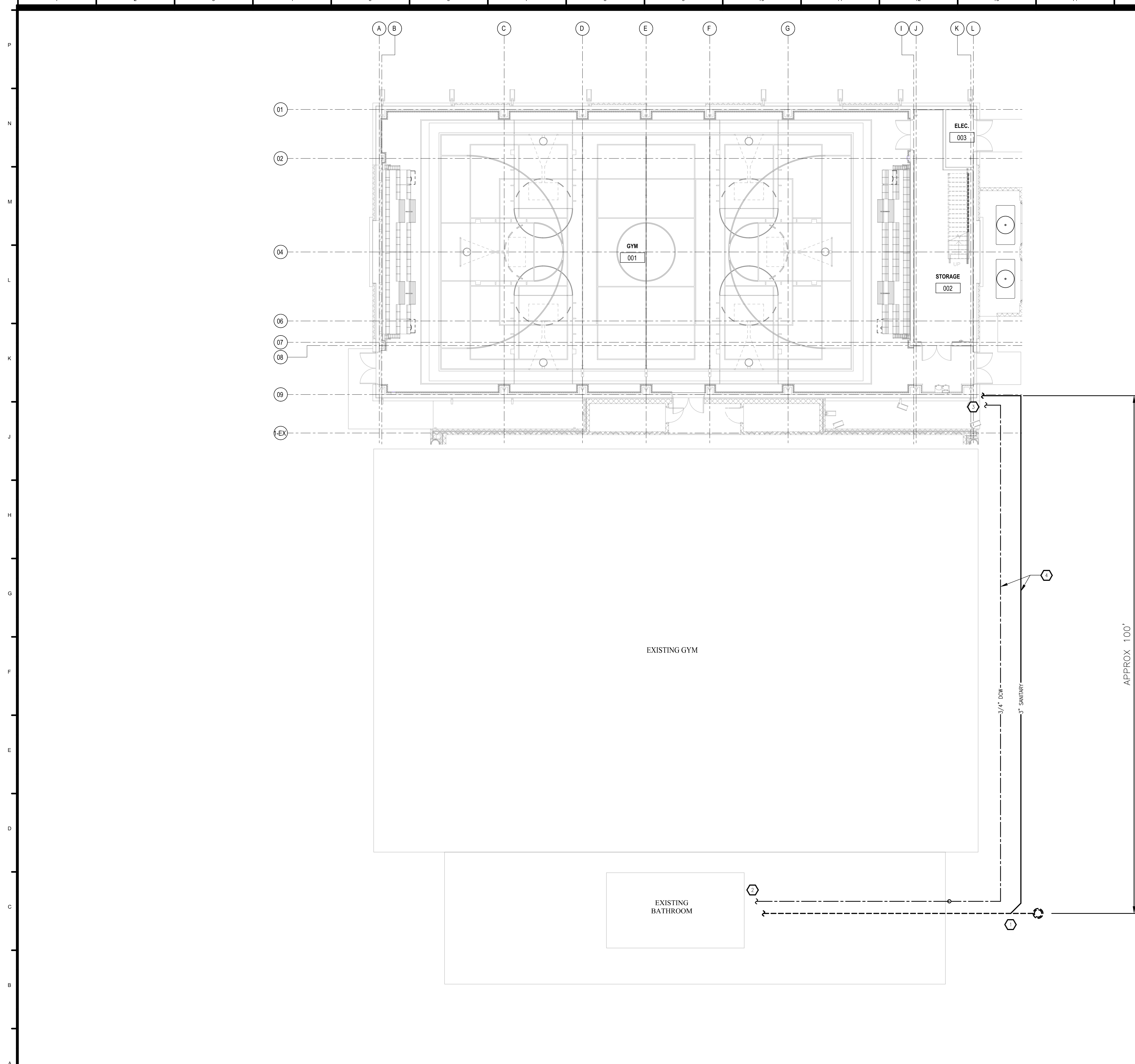
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SHEET TITLE: PLUMBING NOTES AND SCHEDULES

DRAWING NO.:

P1.01



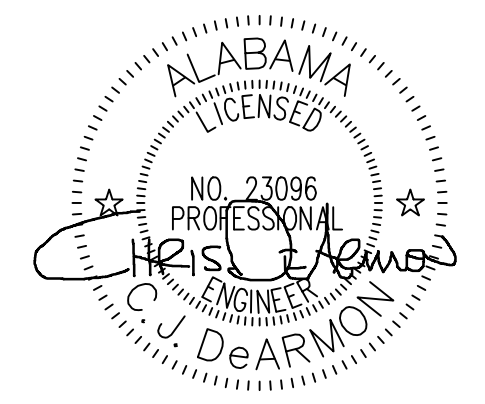


**GENERAL NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. PLANS MAY NOT SHOW ACTUAL CONDITIONS.

**KEY NOTES**

- TIE INTO EXISTING SANITARY LINE
- TIE INTO NEAREST EXISTING DOMESTIC COLD WATER LINE, EXISTING LINE MUST BE MINIMUM 1" IN SIZE
- SEE P2.0 FOR CONTINUATION.
- ROUTE DCW AND SANITARY LINE UNDER GROUND TO EXISTING BUILDING. DCW LINE MUST BE MINIMUM 12" ABOVE SANITARY LINE IN TRENCH.



02/18/19

**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



**OWNER**  
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**MECHANICAL / PLUMBING ENGINEER**  
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REV	DATE	DESCRIPTION

DATE: 02-16-2019

PHASE: CONSTRUCTION DOCUMENTS

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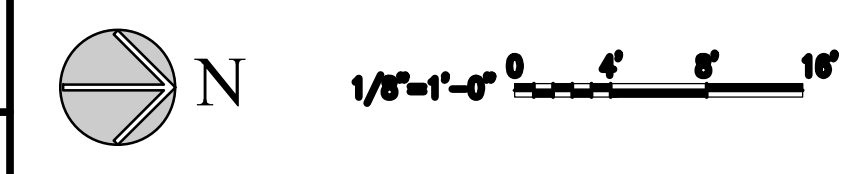
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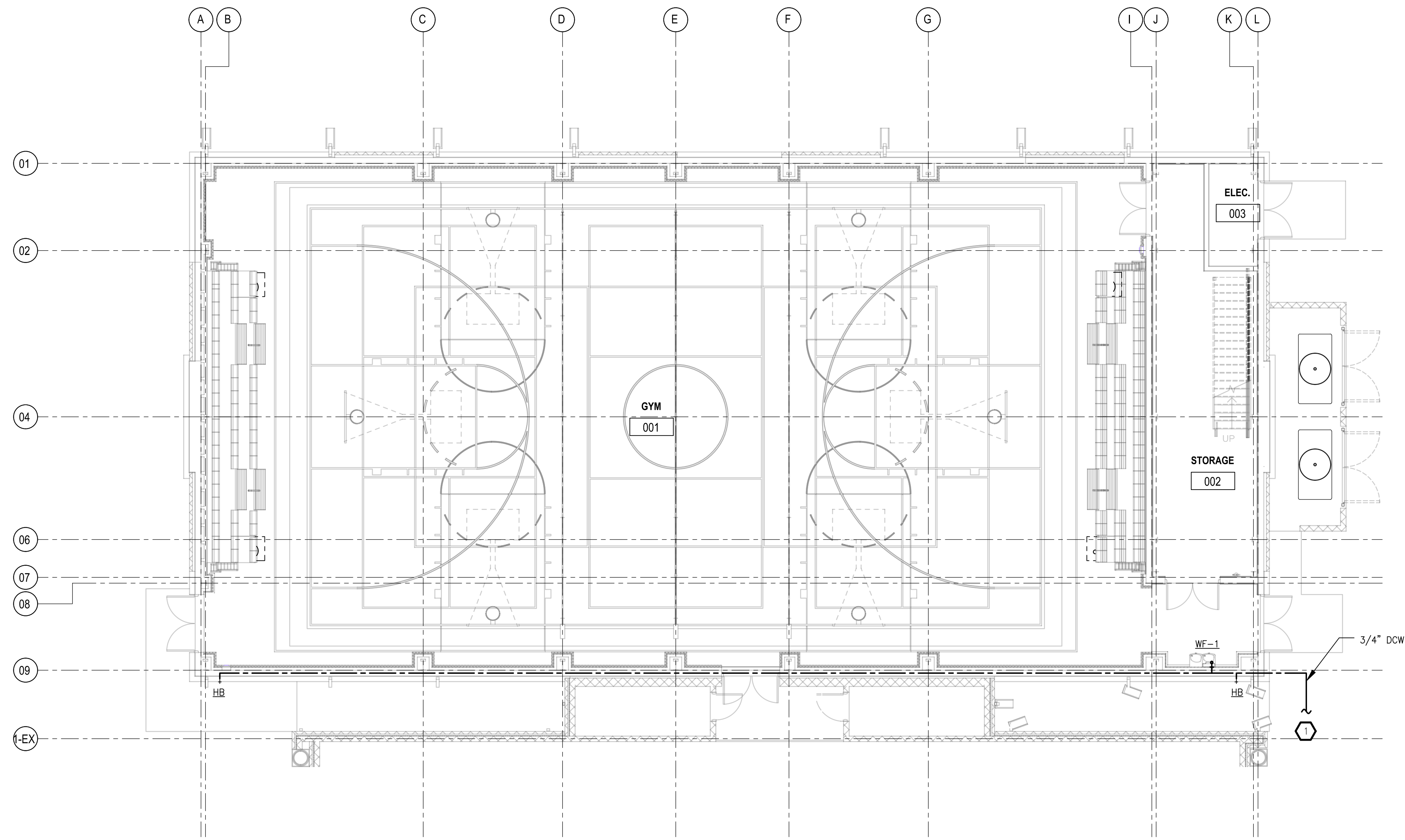
**LEVEL 1 - OVERALL PLUMBING PLAN**

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



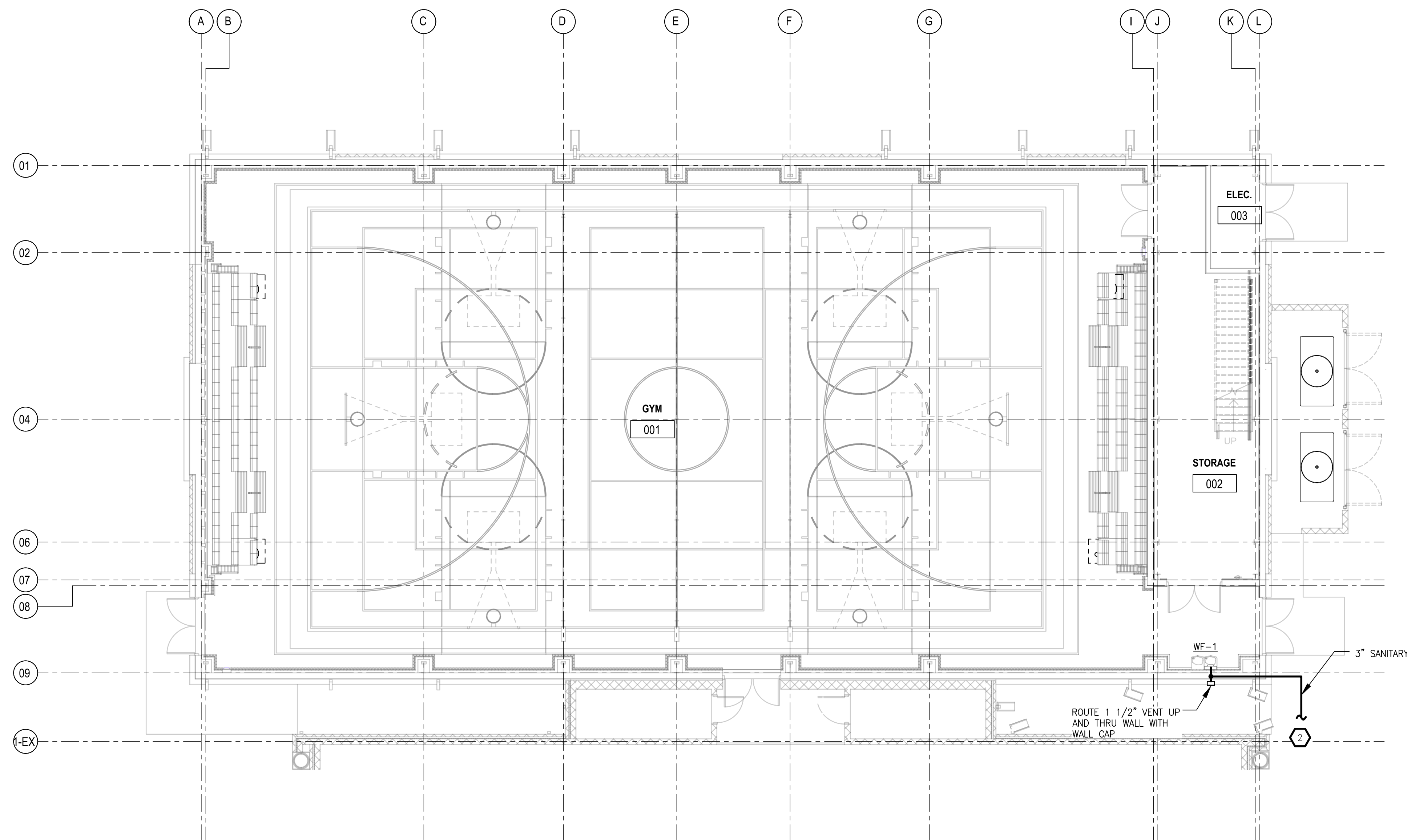
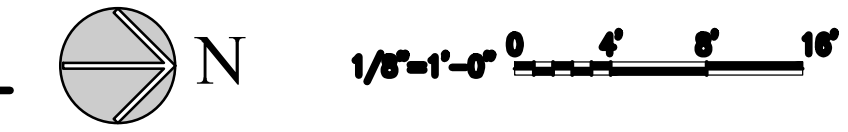
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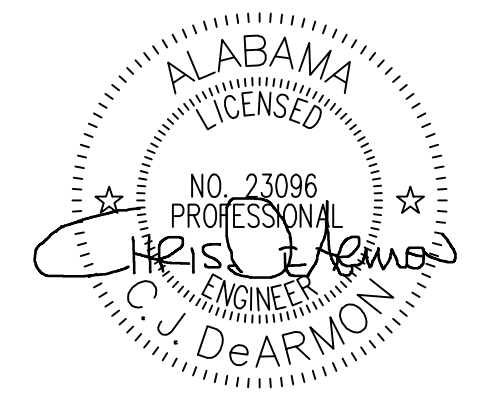
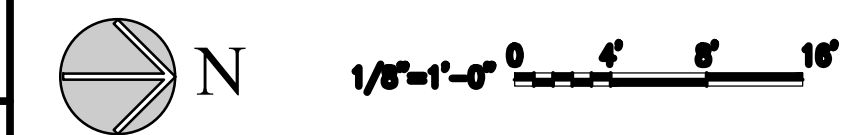
**PLUMBING PLAN**

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



**SANITARY PLAN**

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



02/18/19

**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



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REV	DATE	DESCRIPTION

DATE: 02-18-2019

PROJECT: CONSTRUCTION DOCUMENTS

DRAWING NO.: 3891.01

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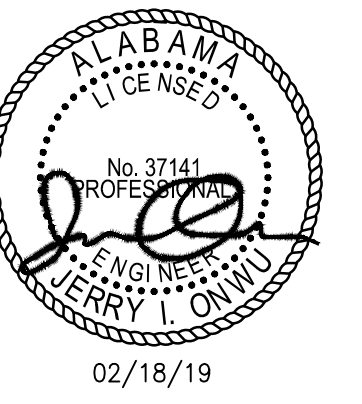
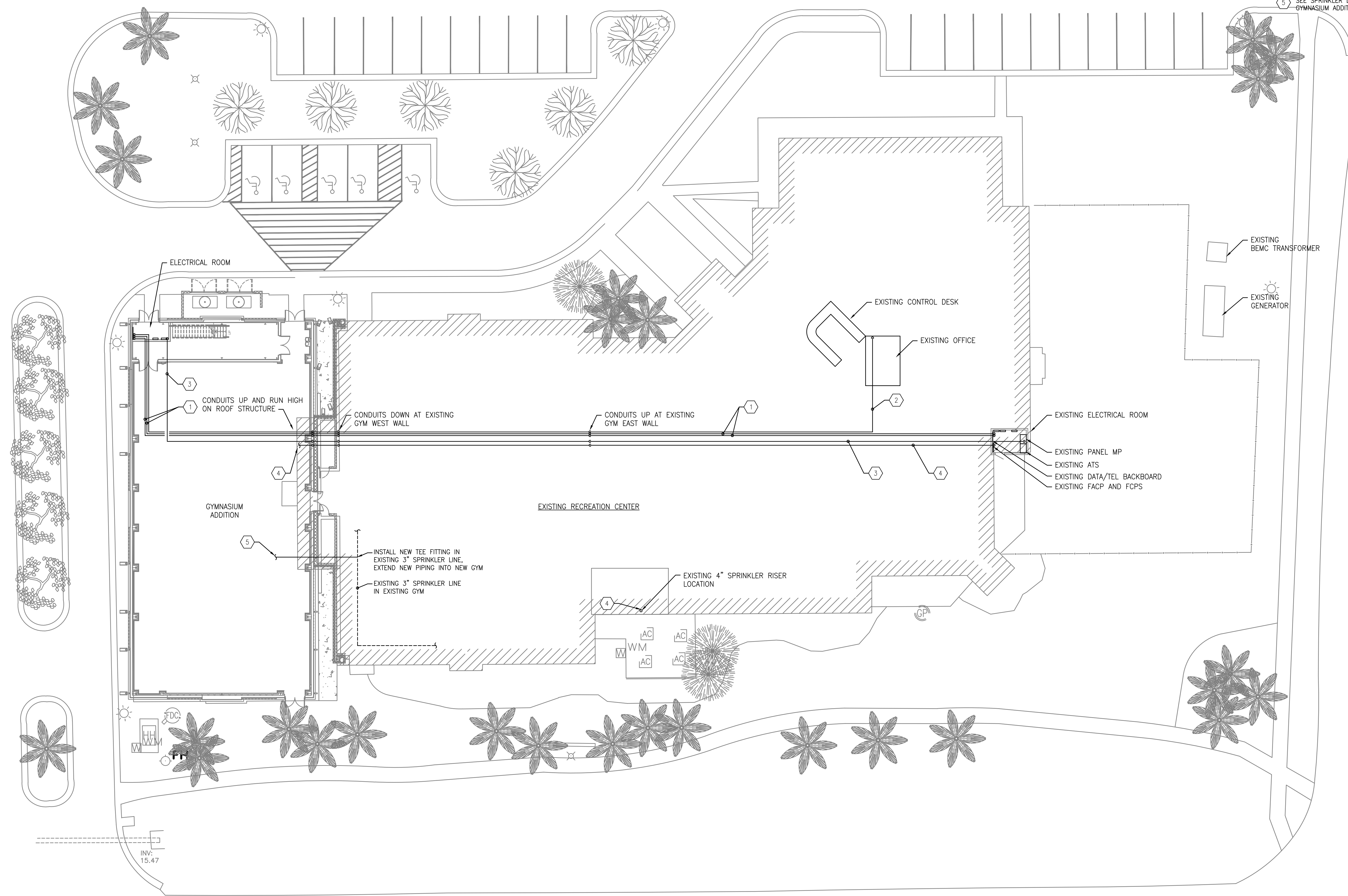
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**P2.02**



**KEY NOTES**

- ① INSTALL (2) 1 1/2" CONDUITS FROM EXISTING DATA/TEL BACKBOARD TO NEW DATA/TEL BACKBOARD IN GYMNASIUM ADDITION. FIELD ROUTE IN CEILING, PROVIDE JUNCTION BOXES AS REQUIRED. INSTALL 6 STRAND MULTIMODE FIBER OPTIC CABLE IN ONE CONDUIT, AND 1 COAX.
- ② INSTALL 1 1/2" CONDUIT FROM NEW DATA/TEL BACKBOARD TO OFFICE. FIELD ROUTE IN CEILING, PROVIDE JUNCTION BOXES AS REQUIRED. FOR CAT6 CAMERA CABLES.
- ③ INSTALL 4" CONDUIT FROM EXISTING PANEL MP TO NEW PANEL G1. FIELD ROUTE IN CEILING, PROVIDE JUNCTION BOXES AS REQUIRED. FOR POWER CONDUCTORS, SEE RISER DIAGRAM.
- ④ 1" C. FROM NEW GYM TO EXISTING FIRE ALARM CONTROL PANEL FOR NEW CIRCUITS, SEE DRAWING E5.02.
- ⑤ SEE SPRINKLER DESIGN FOR CONTINUATION OF SPRINKLER SYSTEM INTO GYMNASIUM ADDITION.



**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL



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REV	DATE	DESCRIPTION

DATE: 2-18-2019

PROJECT: CONSTRUCTION DOCUMENTS

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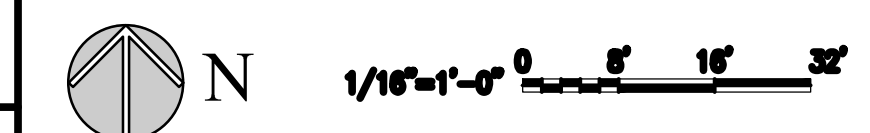
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DRAWING NO. PROJECT NO. 3891.01

**UE1.01**

**ELECTRICAL SITE PLAN**

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





# NOTES

- ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING SYSTEM. 2x4 TROFFERS SHALL BE SUPPORTED WITH CABLE FROM ALL FOUR CORNERS.
- FOR HOME RUNS ON 20 AMP CIRCUITS EXCEEDING SEVENTY FIVE (75) FEET FROM THE PANEL BOARD, USE #10 AWG MIN.
- ALL MOUNTING HEIGHTS ARE GIVEN TO THE BOTTOM OF THE DEVICE UNLESS NOTED OTHERWISE.
- THE LOCATION OF ALL WALL MOUNTED DEVICES, INCLUDING MOUNTING HEIGHTS, SHALL BE FIELD VERIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS, UNLESS NOTED OTHERWISE BY OTHER DISCIPLINES.
- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED SO THAT ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED SERVICING CLEARANCES ARE MAINTAINED.
- BIDDING CONTRACTORS MUST VISIT THE SITE, REVIEW ALL CONSTRUCTION DOCUMENTS, AND OBTAIN WRITTEN COPIES OF ALL REFERENCED CODES AND ORDINANCES PRIOR TO SUBMITTING BIDS. NO ALLOWANCE WILL BE MADE FOR ADVERSE CONDITIONS WHICH WERE ASCERTAINABLE PRIOR TO BID TIME.
- GROUND TELEPHONE EQUIPMENT TO THE ELECTRICAL SERVICE GROUNDING SYSTEM PER N.E.C.
- ALL CIRCUIT BREAKERS IN PANEL SHALL BE FULLY RATED
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND VERIFY THE ELECTRICAL SERVICE ARRANGEMENTS WITH THE LOCAL POWER COMPANY AND WITH OWNER SUPPLIED SITE PLAN. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR A COMPLETE INSTALLATION.
- CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SITE AS DETERMINED BY THE LOCAL UTILITY. E.C. SHALL COORDINATE WITH LOCAL UTILITY BEFORE STARTING WORK.
- ALL BUILDING SYSTEM GROUND RODS SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING SYSTEM. GROUNDING SYSTEM SHALL COMPLY WITH N.E.C. ARTICLE 250.
- THE WORD "PROVIDE" MEANS FURNISH AND INSTALL.
- MC CABLE IS ALLOWED AS A V ALTERNATE.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FITTINGS AND NECESSARY EQUIPMENT FOR LIGHT FIXTURE MOUNTING, AND INSTALLATION.
- ALL FIRE BARRIER PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE SEALANT. COORDINATE WITH ARCHITECTURAL PLANS FOR ALL RATED WALLS AND CEILINGS PRIOR TO BID SO AN UNDERSTANDING OF NUMBER OF SEALS REQUIRED, AND DETERMINE METHOD FOR MINIMIZING THE SEAL REQUIREMENTS.

# LEGEND

- SPECIFICATION GRADE DUPLEX RECEPTACLE - 20 AMP, 125V, TAMPER PROOF HEAVY DUTY, MTD, @ 16" A.F.F. UNLESS NOTED, WITH MATCHING FACEPLATE.
- SPECIFICATION GRADE DUPLEX RECEPTACLE - 20 AMP, 125V, TAMPER PROOF, WITH USB CHARGING PORTS, MTD, @ 16" A.F.F. UNLESS NOTED, WITH MATCHING FACEPLATE.
- SPECIFICATION GRADE WEATHER RESISTANT DUPLEX RECEPTACLE - TAMPER PROOF WITH GROUND FAULT INTERRUPT, MTD, @ 16" A.F.F. UNLESS NOTED, WITH WEATHER-PROOF IN USE COVER.
- SPECIFICATION GRADE DUPLEX RECEPTACLE - TAMPER PROOF WITH GROUND FAULT INTERRUPT, MTD, @ 16" A.F.F. UNLESS NOTED, WITH MATCHING FACEPLATE.
- "C" INDICATES DEVICE MOUNTED @ 2" ABOVE BACKSPLASH UNLESS NOTED. COORDINATE IN FIELD.
- 20A, 240V SIMPLEX RECEPTACLE, MTD, AS REQUIRED BY EQUIPMENT BEING SERVED, COORDINATE IN FIELD, PROVIDE S.S. FACEPLATE, AMPERAGE AS NOTED.
- SPECIFICATION GRADE 20A-1P TOGGLE SWITCH, HEAVY DUTY, WHITE COLOR, MOUNTED @ 48" A.F.F. W/ MATCHING FACEPLATE.
- SPECIFICATION GRADE 20 AMP THREE WAY TOGGLE SWITCH, HEAVY DUTY, WHITE COLOR, MOUNTED @ 48" A.F.F. W/ MATCHING FACEPLATE.
- SPECIFICATION GRADE 0-10V LED DIMMER SWITCH WHITE COLOR, MOUNTED @ 48" A.F.F. W/ MATCHING FACEPLATE.
- SPECIFICATION GRADE 0-10V LED DIMMER/OCCUPANCY SWITCH WHITE COLOR, MOUNTED @ 48" A.F.F. W/ MATCHING FACEPLATE, LUTRON MAESTRO OR EQUAL.
- SPECIFICATION GRADE WALL MOUNTED OCCUPANCY SWITCH WHITE COLOR, MOUNTED @ 48" A.F.F. W/ MATCHING FACEPLATE, STEINEL DT WLS 1W U22.
- VOICE/DATA OUTLET, MOUNTED @ 16" A.F.F. WITH MATCHING FACEPLATE, MTD, @ 16" A.F.F. UNLESS NOTED, RUN (2) CAT 6 CABLES FROM OUTLET TO TELEPHONE BACKBOARD IN NEW GYMNASIUM ELECTRICAL ROOM.
- VOICE/DATA OUTLET, FLOOR MOUNTED, WITH FACEPLATE, RUN (2) CAT 6 CABLES FROM OUTLET TO TELEPHONE BACKBOARD IN NEW GYMNASIUM ELECTRICAL ROOM.
- CABLE TV OUTLET BOX MTD, @ 16" A.F.F. UNLESS NOTED, FLUSH MOUNTED 1 GANG WALL BOX, CONTRACTOR TO RUN CO-AX FROM OUTLET TO TELEPHONE BACKBOARD IN NEW GYMNASIUM ELECTRICAL ROOM.
- COMPUTER DATA OUTLET BOX MTD @ 16" A.F.F. UNLESS NOTED FLUSH MOUNTED 1 GANG WALL BOX, CONTRACTOR TO RUN (2) CAT 6 CABLES FROM OUTLET TO TELEPHONE BACKBOARD IN NEW GYMNASIUM ELECTRICAL ROOM.
- EXHAUST FAN
- JUNCTION BOX LOCATION MOUNTED AS NOTED ON DRAWING, SIZED AS REQUIRED BY EQUIPMENT BEING SERVED.
- DISCONNECT SWITCH, SIZE AND TYPE AS NOTED.
- HOME RUN CONDUIT, CIRCUIT NUMBER AS INDICATED ON DRAWINGS, HASHMARKS INDICATE HOT NEUTRAL AND GROUND.
- CONDUIT RUN IN FLOOR OR SLAB.
- CONDUIT RUN IN WALLS OR CEILING.
- FAN CONTROLLER
- CEILING FAN BY E.C. DIAMETER AND FINISH BY ARCHITECT.

- LOW VOLTAGE DIMMER CONTROLLER STEINEL LV1-U22(FINISH).
- LOW VOLTAGE CONTROLLER STEINEL LV1-U22 (FINISH).
- DUAL TECHNOLOGY WALL OCCUPANCY SWITCH, STEINEL DT-WLS1-U22.
- CEILING MOUNTED OCCUPANCY SWITCH STEINEL DT QUATTRO-COM-24-U22.
- LOW VOLTAGE WIRING, SEE MANUFACTURER DRAWINGS FOR MORE INFORMATION.
- DIMMABLE POWER PACK STEINEL TR150-U22, WITH 0-10V DIMMING.
- POWER PACK STEINEL TR-100-U22.
- TWO POLE POWER PACK.
- CEILING MOUNTED SMOKE DETECTOR
- AIR DUCT SMOKE DETECTOR, W/EXTRA SET OF CONTACTS
- FLUSH MOUNTED VIBRATING HORN WITH VISUAL FLASHER.
- WEATHER PROOF FLUSH MOUNTED VIBRATING HORN WITH VISUAL FLASHER.
- FLUSH MOUNTED VISUAL FLASHER.
- FLUSH MOUNTED PULL STATION.
- WATER FLOW SWITCH.
- TAMPER SWITCH.
- MOTOR STARTER
- ENCLOSED RELAY MODULE
- FIRE ALARM CONTROL PANEL
- FIRE ALARM REMOTE ANNUNCIATOR
- ENCLOSED RELAY MODULE
- KNOX BOX FOR BUILDING KEYS
- SECURITY CAMERA, POE (POWER OVER ETHERNET) RUN (1) CAT 6 CABLE FROM CAMERA TO TELEPHONE BACKBOARD IN NEW GYMNASIUM ELECTRICAL ROOM.
- WIRELESS ACCESS POINT, WALL MOUNTED WITH PROTECTIVE COVER, POE (POWER OVER ETHERNET) RUN (1) CAT 6 CABLE FROM WAP TO TELEPHONE BACKBOARD IN NEW GYMNASIUM ELECTRICAL ROOM.
- CABLE TV OUTLET WITH COAX CABLE BACK TO TELEPHONE BACKBOARD.
- CEILING MOUNTED PA, MUSIC SPEAKER.
- 3/4" CONDUIT STUB UP FROM UNDERGROUND FOR SPEAKER WIRING, HOME RUN CONDUIT TO BACK OF HOUSE FOR CONNECTION TO SOUND EQUIPMENT.
- OUTDOOR PA, MUSIC WEATHER-PROOF SPEAKER, ALL ON ZONE 2
- 20A, 240V SIMPLEX RECEPTACLE, MOUNTED AS REQUIRED BY EQUIPMENT BEING SERVED, WITH MATCHING FACEPLATE.
- 30A, 240V SIMPLEX RECEPTACLE, MOUNTED AS REQUIRED BY EQUIPMENT BEING SERVED, WITH MATCHING FACEPLATE.

# NOTE:

- ALL DEVICE COLORS SHALL BE CHOSEN BY ARCHITECT.
- PROVIDE PROTECTIVE COVERS FOR ALL FIRE ALARM DEVICES LOCATED IN GYMNASIUM.

# ELECTRICAL SPECIFICATIONS

## DIVISION 16 - ELECTRICAL SPECIFICATIONS

### PART I. GENERAL PROVISIONS

- SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS, AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM FOR THE BUILDING.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL OF THE FOLLOWING MATERIAL AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE: PANELBOARDS; LIGHTING FIXTURES; LAMPS; RACEWAYS; 600 VOLT WIRE AND CABLE; WIRING DEVICES; DEVICE PLATES; DEVICE, PULL, AND JUNCTION BOXES; SAFETY SWITCHES; MOTOR STARTERS; LIGHTING CONTROLS; CIRCUIT BREAKERS; FUSES; TIME CLOCKS; EQUIPMENT IDENTIFICATION (NAMEPLATES AND DIRECTORIES); WIRE AND CABLE TERMINATIONS; CONNECTIONS TO INDIVIDUAL UNITS OF EQUIPMENT.
- GENERAL REQUIREMENTS: ALL WORK SHALL BE PERFORMED BY SKILLED LICENSED ELECTRICIANS IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE, MEETING THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, APPLICABLE FEDERAL, STATE AND LOCAL CODES, AND THE REQUIREMENTS OF THE ELECTRICAL UTILITY COMPANY FURNISHING THE SERVICES. ALL NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION SHALL BE PURCHASED AND OBTAINED UNDER THIS CONTRACT.
- SERVICE VOLTAGE: THESE DRAWINGS ARE FOR A METERED, UNDERGROUND BUILDING SERVICE OF THREE PHASE, FOUR WIRE, 60 HERTZ.

### PART II. MATERIALS

- MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER MAJOR MANUFACTURERS OF COMMERCIAL EQUIPMENT MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED.
  - PANELBOARDS: PANELBOARDS SHALL BE BOLT-IN CIRCUIT BREAKER TYPE, AS SHOWN ON THE PLANS. PANELS SHALL BE OF PANELBOARD CONSTRUCTION, 20 INCHES WIDE (MINIMUM), 5-3/4" TO 6-1/2" DEEP, UL LISTED, AND MEET UL 67, UL 50, AND FEDERAL SPECIFICATION W-P-115B AS TYPE 1, CLASS 1, WITH BOLT-ON CIRCUIT BREAKERS, COPPER BUS BARS, NEUTRAL BUS, GROUND BUS, AND A HINGED LOCKABLE DOOR. CABINETS SHALL BE CODE GAUGE, GALVANIZED STEEL, MOUNTED AS SHOWN. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES WITH CLEAR PLASTIC PROTECTORS IN ALL PANELS. ALL WIRES SHALL BE TAGGED WITH PANEL AND CIRCUIT NUMBERS. PANEL "MDP" SHALL BE UL LISTED AND LABELED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT. APPROVED MANUFACTURERS OF PANELS ARE SQUARE D, CUTLER-HAMMER, GENERAL ELECTRIC AND SIEMENS.
- LIGHTING FIXTURES: ALL LIGHTING FIXTURES SHALL BE UL LISTED, COMMERCIAL QUALITY.
- WIRING DEVICES: ALL WIRING DEVICES SHALL BE UL LISTED, COMMERCIAL SPECIFICATION GRADE. SWITCHES SHALL BE RATED 20 AMPS AT 120/277 VOLTS, AC. STANDARD RECEPTACLES SHALL BE 20 AMP, DUPLEX, GROUNDING TYPE, IN NEMA CONFIGURATIONS, UNLESS NOTED OTHERWISE. SWITCHES IN THE SAME LOCATION SHALL BE GANGED BEHIND A SINGLE PLATE. DEVICE PLATES SHALL BE METAL, ALUMINUM OR STAINLESS STEEL. APPROVED MANUFACTURERS OF SWITCHES AND RECEPTACLES ARE HUBBELL, LEVITON, PASS & SEYMOUR, OR EQUAL.
  - SWITCHES:
    - SINGLE POLE: HUBBELL HBL1221-W, OR EQUAL.
    - THREE WAY: HUBBELL HBL1223-W, OR EQUAL.
  - RECEPTACLES:
    - NEMA 5-20R: HUBBELL 5362W, OR EQUAL.
    - NEMA 5-20R-IG: HUBBELL IG-5362, OR EQUAL.
    - NEMA 5-20R-IG/SS: HUBBELL IG-5362-OS, OR EQUAL.
    - NEMA 5-20R-GFCI: HUBBELL GFS362-W, OR EQUAL.
    - NEMA 6-20R: HUBBELL 5462-W, OR EQUAL.
  - OTHERS: COMMERCIAL OR INDUSTRIAL GRADE, UL LISTED, FEDERAL SPECIFICATION WCS96F.
- WP PLATES: WEATHERPROOF COVERS ARE PERMITTED UNDER NEC ARTICLE 406.8(B)(1).
- EXCAVATIONS: PERFORM ALL NECESSARY EXCAVATING AND BACK-FILLING REQUIRED FOR THIS INSTALLATION. ALL EXCAVATIONS BELOW THE BOTTOM OF FOOTINGS SHALL BE BACKFILLED WITH 3000 PSI CONCRETE. WHERE DITCHES ARE CUT FOR OUTSIDE RUNS OF CONDUIT, REPLACE AND TAMP THE EARTH IN 12" LAYERS AND LEAVE THE GROUND LEVEL AND EQUAL TO ITS ORIGINAL CONDITION.

- CONDUIT AND FITTINGS: CONDUIT PERMITTED: (A) RIGID GALVANIZED STEEL (RGS), (B) EMT, (C) PVC, AND (D) ENT. TYPES UTILIZED SHALL BE RUN ONLY AS PERMITTED PER CODE. ALL WIRING SHALL BE RUN IN CONDUIT. CONDUIT PLACED IN CONCRETE OR RUN UNDERGROUND SHALL BE RIGID GALVANIZED CONDUIT OR PVC. IF PVC IS USED, ALL ELBOWS, SWEEPS AND STUB-UPS SHALL BE RGS. CONDUIT EXPOSED OR RUN IN MASONRY WALLS ABOVE GRADE MAY BE PVC OR EMT WHERE ALLOWED BY LOCAL CODES. IF EMT IS NOT PERMITTED, RIGID SCREWED GALVANIZED PIPE CONDUIT AND FITTINGS SHALL BE USED. IF SHIELDED CABLE IS REQUIRED FOR CONTROL CIRCUITRY, IT SHALL BE TAN, GREY OR ANY NEUTRAL COLOR OTHER THAN THAT AS SPECIFIED FOR POWER DISTRIBUTION. NO CONDUIT SMALLER THAN 3/4" SHALL BE INSTALLED EXCEPT FOR TWO-WIRE SWITCH LEGS. ALL CONDUIT BENDS SHALL BE FREE FROM DENTS AND KINKS. ALL CONDUITS SHALL BE ELECTRICALLY CONTINUOUS FROM THE SERVICE EQUIPMENT TO ALL OUTLETS, AND SHALL BE SECURED TO ALL METAL BOXES WITH ONE LOCK NUT OUTSIDE, AND ONE INSIDE THE BOX WITH A REINFORCED BAKELITE BUSHING. IF PVC, OR EMT, IS USED, THEN APPROPRIATE SIZED, ELECTRICALLY CONTINUOUS, BOND WIRES SHALL BE RUN FROM THE SERVICE EQUIPMENT TO ALL OUTLETS, AND SHALL BE SECURED TO EACH WIRING DEVICE PER THE NATIONAL ELECTRICAL CODE. WHERE CONNECTIONS ARE TO BE MADE BETWEEN CONDUIT TERMINATIONS AND MOTORS, EQUIPMENT, OR APPARATUS NECESSITATING FLEXIBLE CONNECTIONS, APPROVED FLEXIBLE CONDUIT SHALL BE USED. OUTDOOR CONNECTIONS TO FANS, HVAC UNITS, OR ROTATING EQUIPMENT SHALL BE MADE WITH HELICAL WOUND, LIQUIDTIGHT, FLEXIBLE STEEL CONDUIT. EXPOSED CONDUIT SHALL BE SUITABLY SUPPORTED AT INTERVALS NOT TO EXCEED FIVE (5) FEET. DURING CONSTRUCTION, CONDUIT SHALL BE KEPT FREE OF ALL FOREIGN MATTER BY USE OF CAPS OR WOOD PLUGS UP ENDS. PAPER OR WOOD PLUGS ARE NOT ACCEPTABLE FOR THIS PURPOSE.
- WIRE AND CABLES: ALL WIRE AND CABLES SHALL BE UNDERWRITERS LABORATORIES LISTED, AND LABELED, AND CONFORM WITH APPLICABLE STANDARDS OF UL (44, AND 83), NEMA (WC-5, AND WC-7), IPCEA (S-61-402, AND S-66-524), FEDERAL SPECIFICATIONS (J-C-30A(1), AND HH-1-595C), ANSI, AND OTHER APPLICABLE, INDUSTRY STANDARDS. CONNECTORS AND LUGS SHALL MEET UL PUBLICATION 486. ALL BRANCH CIRCUIT WIRING SHALL BE 600 VOLT, COPPER, 75 DEGREE C (MIN), TYPE THHN/THWN WITH A MINIMUM SIZE OF #12 AWG, UNLESS NOTED OTHERWISE. WIRE SIZES OF #8 AWG AND LARGER SHALL BE STRANDED. SERVICE AND FEEDER CABLES SHALL BE 600 VOLT, STRANDED COPPER, 75 DEGREE C (MIN), TYPE XHHW. ALL CIRCUITS SHALL HAVE A SEPARATE GROUND CONDUCTOR. PROVIDE GREEN-INSULATED GROUND WIRE IN ALL RACEWAYS, CABLE ASSEMBLIES, AND WHERE NOTED. SIZE EQUIPMENT GROUNDS PER TABLE 250-122 OF THE NATIONAL ELECTRICAL CODE. INSULATION COLOR CODES SHALL BE BLACK, RED, AND BLUE (PHASE), WHITE (NEUTRAL), AND GREEN (GROUND).

- ALL WIRING SHALL BE INSTALLED IN CONDUIT, EXCEPT WHERE SPECIFICALLY SHOWN ON THE DRAWINGS. NON-METALLIC SHEATHED (TYPE NM) CABLE IS NOT PERMITTED.

- SIGNAGE LIGHTING: PROVIDE A 1" RIGID GALVANIZED STEEL ELECTRICAL CONDUIT, AND WIRING, FROM THE PANEL TO ALL ILLUMINATED SIGNS AS SHOWN ON THE LIGHTING AND SITE PLANS. GROUND/BOND EACH SIGN. SIGNS WILL BE FURNISHED AND INSTALLED BY THE OWNER, OR UNDER A SEPARATE CONTRACT, UNO. POWER AND WIRING SHALL BE FURNISHED AND INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS.

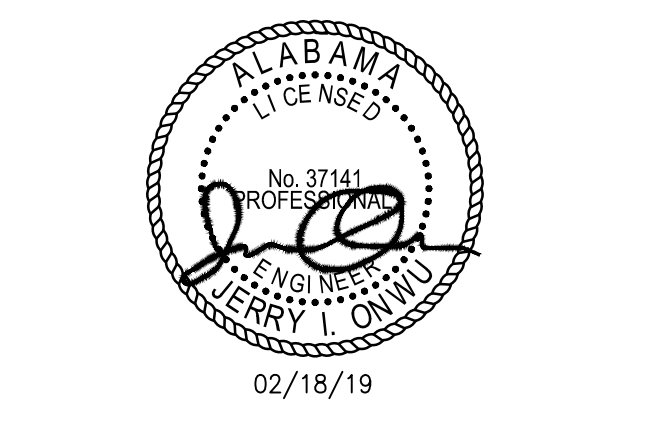
### OTHER WIRING:

- FURNISH AND INSTALL ALL POWER WIRING AND CONDUIT AS INDICATED ON THE DRAWINGS FOR ALL EQUIPMENT. DISCONNECT SWITCHES SHALL BE FURNISHED AND INSTALLED FOR EACH UNIT OF HVAC AND OTHER REQUIRED EQUIPMENT. BEFORE ENERGIZING ANY EQUIPMENT, VERIFY THAT THE CORRECT POWER SUPPLY VOLTAGE, AMPACITY, AND PHASING HAS BEEN PROVIDED AT THE LOAD SIDE OF THE DISCONNECT.
- EMPTY CONDUIT: LEAVE A #12 AWG PULL WIRE IN ALL EMPTY CONDUITS.
- BOXES AND WIREWAYS: ALL JUNCTION BOXES, PULL BOXES, WIREWAYS, ETC, SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- EQUIPMENT IDENTIFICATION: PROVIDE NAMEPLATES FOR ALL PANELBOARDS, CONTROLS, AND OTHER ELECTRICAL EQUIPMENT. EQUIPMENT VISIBLE TO THE PUBLIC SHALL BE IDENTIFIED WITH ENGRAVED LAMINATED NAMEPLATES ATTACHED WITH STAINLESS STEEL FASTENERS. ELECTRICAL EQUIPMENT NOT VISIBLE TO THE PUBLIC MAY BE NEATLY IDENTIFIED WITH BLACK PERMANENT MARKERS.

### PART III. EXECUTION

- TESTS: MAKE ALL TESTS NECESSARY TO ENSURE THAT THE ENTIRE INSTALLATION IS FREE FROM IMPROPER GROUNDS, AND FROM SHORTED AND/OR OPEN CONDUCTORS. VOLTAGE, CURRENT, AND ROTATION TESTS SHALL BE MADE BEFORE ANY MOTORS ARE PLACED IN OPERATION. ALL LOADS SHALL BE BALANCED ACROSS PHASES. CHECK TO SEE THAT ALL LIGHTS WORK, AND ARE CONTROLLED BY SWITCHES INDICATED ON DRAWINGS, OR CIRCUIT BREAKERS SO INDICATED ON PANEL SCHEDULE.
- GUARANTEE: FURNISH A GUARANTEE IN WRITING TO THE OWNER THAT ALL WORK EXECUTED UNDER THIS SECTION IS FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. IN ADDITION, DURING THE TERM OF THIS GUARANTEE, THE REPAIR AND/OR REPLACEMENT OF ANY DEFECTIVE WORK, AND ALL RESULTING DAMAGES SHALL BE MADE AT NO ADDITIONAL EXPENSE TO THE OWNER.
- TEMPORARY POWER: AT THE PROJECT SITE, PROVIDE A 100 AMP, 120/240 VOLT, SINGLE PHASE, SERVICE WITH POWER OUTLETS ADEQUATE FOR TEMPORARY CONSTRUCTION POWER. TEMPORARY LIGHTING SHALL BE MAINTAINED IN ALL AREAS OF THE BUILDING UNTIL PERMANENT POWER SOURCES HAVE BEEN ENERGIZED. TEMPORARY SERVICE SHALL BE PROVIDED UNDER SECTION 1A OF THESE SPECIFICATIONS.
- CLEAN-UP: LEAVE THE ELECTRICAL PORTION OF THE WORK IN A CLEAN AND FINISHED CONDITION.
- SHOP DRAWINGS: PROVIDE SHOP DRAWINGS FOR THE FOLLOWING ITEMS: PANELBOARDS, LIGHTING FIXTURES.
- AS-BUILT DRAWINGS: MAINTAIN AS-BUILT DRAWINGS, UPDATED DAILY DURING CONSTRUCTION, AND PRESENT THE OWNER WITH ONE SET UPON COMPLETION. PROVIDE THE OWNER'S PERSONNEL WITH ON-SITE INSTRUCTION IN THE OPERATION AND MAINTENANCE OF THE COMPLETED ELECTRICAL SYSTEM.

LIGHTING FIXTURE SCHEDULE					
MARK	TYPE	VOLT	WATTS	LAMP	BRAND & CATALOG NO.
L1	LED HIGH BAY WITH DIFFUSED ACRYLIC LENSE AND WIRE GUARD	208	201	30000 LUMEN 5000K	LSI AL12-113786-30L-DA-W-UNV-DIM-50-WG AL12
L2	SURFACE MOUNTING LED DOME WRAP WITH LENSE	120	44	5865 LUMEN 5000K	LSI DW-LED-SS-CW-UE
L3	EDGELET LED FLAT PANEL RECESSED MOUNT	120	50	5000 LUMEN 4000K	LSI SFP24-LED-50-UE-50
W	CANOPY MOUNTED EXTERIOR FIXTURE EMERGENCY WHERE NOTED	120	22	3150 LUMEN 4000K	LSI EXN-113768-D-EGLED-3L-T5W-UNV-DIM-40-70CRI-BRZ FINISH BY ARCHITECT
D1	4" RECESSED ROUND DOWNLIGHT	120	20	1250 LUMEN 4000K	NORA REFLECTOR: NC-431-112-40-DWSF FRAME: NCAH-430-12-LE1
EX	EXIT SIGN W/EMERGENCY BATTERY	120	5	AS SUPPLIED	EVENLITE RZR3-EM-R-U-FINISH-CN-50 FINISH BY ARCHITECT
EM	EMERGENCY LIGHT W/EMERGENCY BATTERY	120	5	2-6 WATT LED	EVENLITE TEBL-FINISH-WGS FINISH BY ARCHITECT



## ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM



CITY OF ORANGE BEACH ; ORANGE BEACH, AL



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REV	DATE	DESCRIPTION

DATE: 2-18-2019

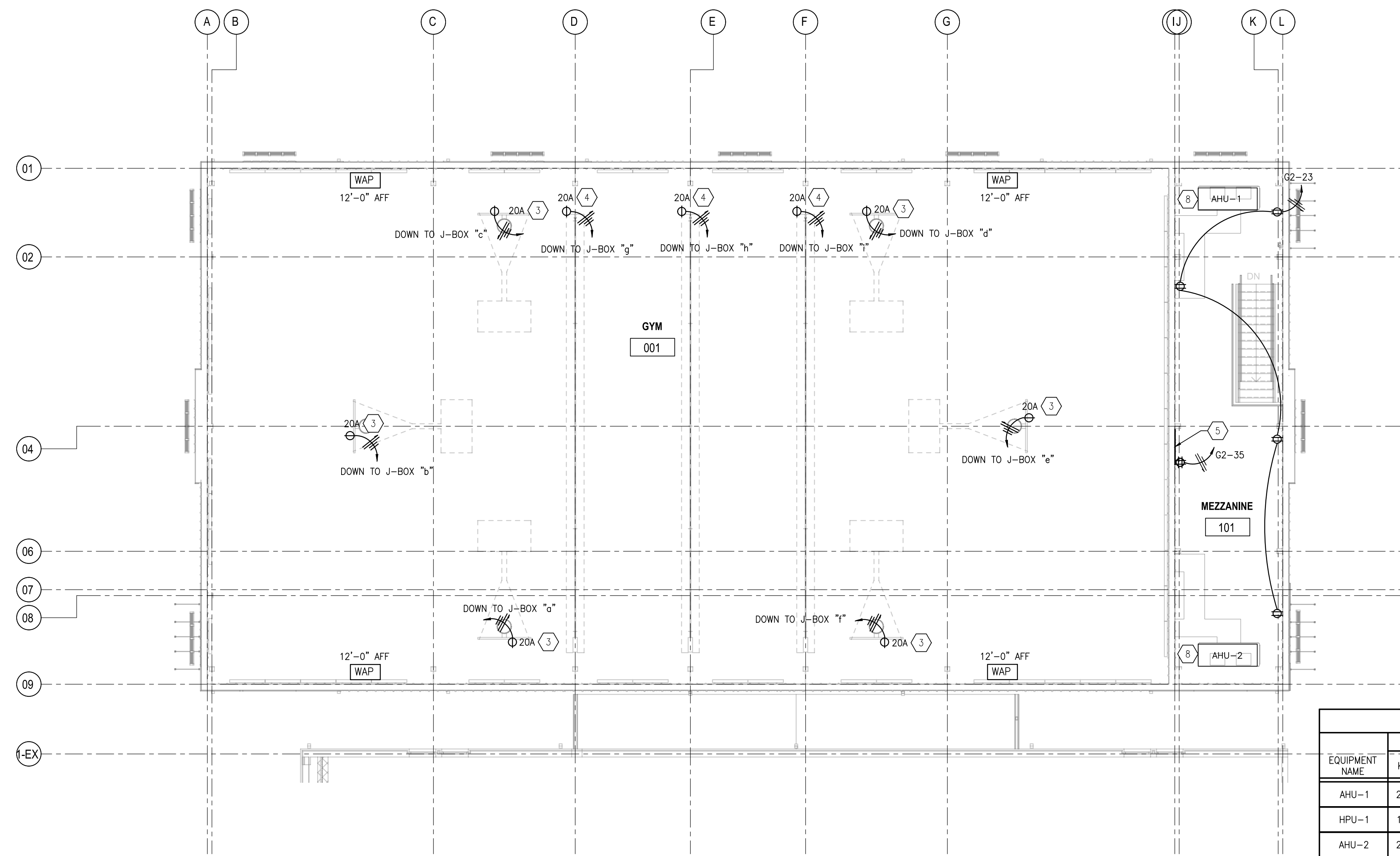
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SHEET TITLE: ELECTRICAL LEGENDS AND SPECIFICATIONS

DRAWING NO.:





**KEY NOTES**

- 1 SINGLE GANG BOX FOR BASKETBALL GOAL KEY SWITCH, FOR LOWERING AND RAISING GOALS. CONNECTED TO 20A-1P CIRCUIT PER CIRCUIT LEGEND. SEE WIRING DIAGRAM.
- 2 SINGLE GANG BOX FOR CURTAIN CONTROL SWITCH, FOR LOWERING AND RAISING CURTAINS. CONNECTED TO 20A-1P CIRCUIT PER CIRCUIT LEGEND. SEE WIRING DIAGRAM.
- 3 P14-20 PLUG MOUNTED IN STRUCTURE FOR BASKETBALL GOAL WINCH CONNECTION. SEE WIRING DIAGRAM.
- 4 P14-20 PLUG MOUNTED IN STRUCTURE FOR DIVIDER CURTAIN CONNECTION. SEE WIRING DIAGRAM.
- 5 48"x48"x3/4" PLYWOOD TELEPHONE BACKBOARD, PROVIDE #6 CU GROUNDING CONDUCTOR FROM BACKBOARD TO SERVICE ENTRANCE POINT GROUNDING BUS.
- 6 48"x48"x3/4" PLYWOOD BACKBOARD, FOR HVAC CONTROLS.
- 7 JUNCTION BOX FOR BLEACHER MOTOR OPERATOR. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURERS DATA, WHICH MAY INVOLVE A 20A-3 PHASE RECEPTACLE, OF 30A-3P, NEMA 1 DISCONNECT SWITCH.
- 8 SEE ELECTRICAL EQUIPMENT SCHEDULE FOR CIRCUIT CONDUIT/CONDUCTOR SIZE, BREAKER SIZE, AND DISCONNECT SIZE FOR THIS EQUIPMENT.

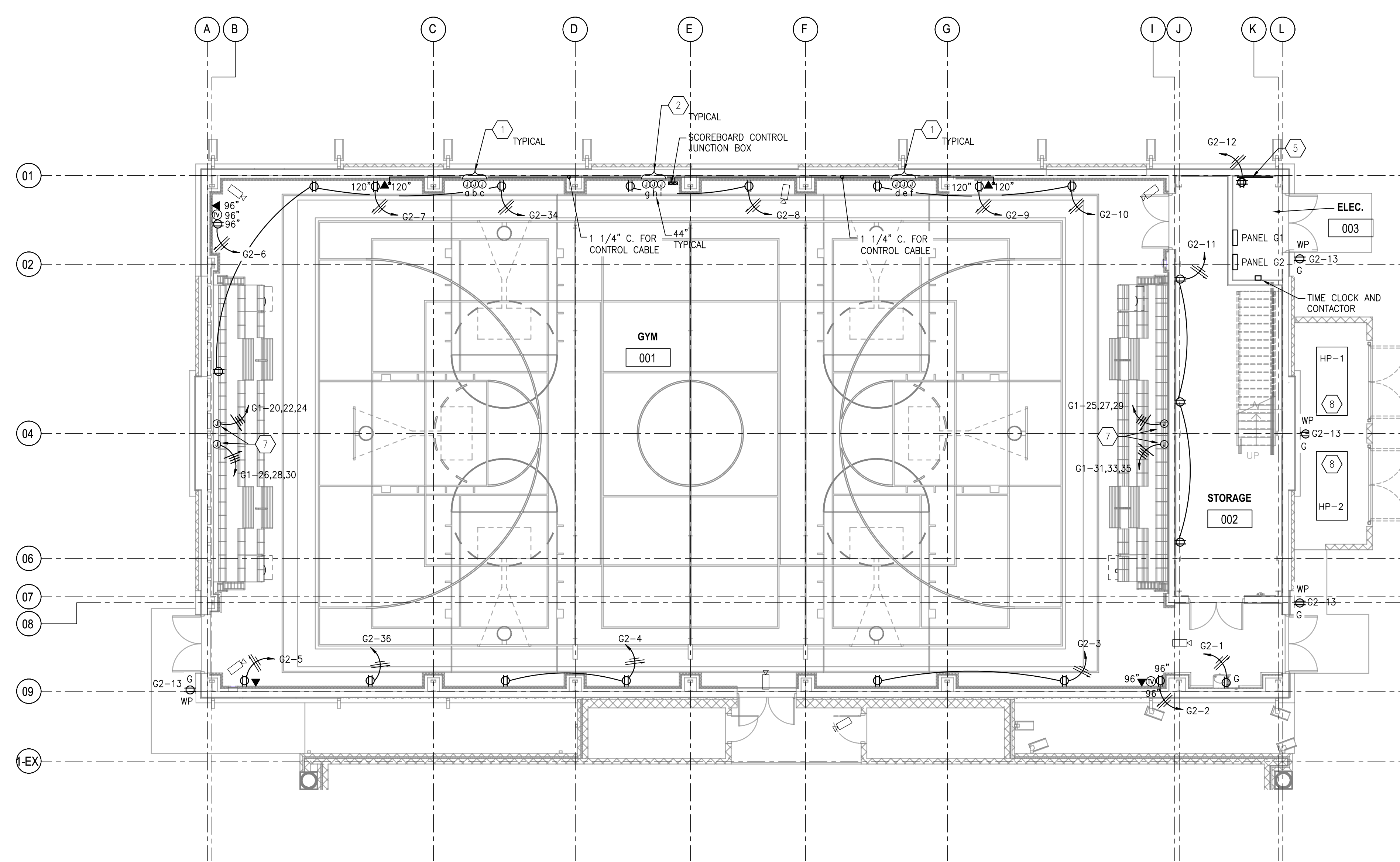
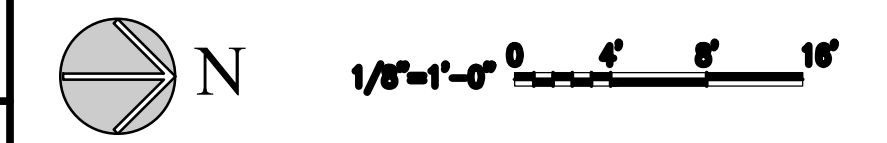
**GENERAL NOTES**

1. CONDUIT CAN BE RUN CONCEALED IN WALLS.
2. ALL CONDUIT RUN EXPOSED SHALL BE RUN PARALLEL TO STRUCTURE AND PLUMB.
3. ALL CONDUIT RUN EXPOSED SHALL BE PAINTED, COORDINATE COLOR WITH ARCHITECT.

EQUIPMENT NAME	ELECTRICAL DATA				WIRING DATA				ELECTRICAL NOTES	
	KVA	FLA	MCA	CB	V/Ph/Hz	COND SIZE	GND SIZE	CONDUIT SIZE		DISC SIZE
AHU-1	23.9	66.5	76	90	208/3	#3	#8	1 1/4"	100A-3P NEMA 1	CKT. NO. G1-1,3,5
HPU-1	19.1	53.3	61	90	208/3	#3	#8	1 1/4"	100A-3P NEMA 3R	CKT. NO. G1-7,9,11
AHU-2	23.9	66.5	76	90	208/3	#3	#8	1 1/4"	100A-3P NEMA 1	CKT. NO. G1-2,4,6
HPU-2	19.1	53.3	61	90	208/3	#3	#8	1 1/4"	100A-3P NEMA 3R	CKT. NO. G1-8,10,12

**MEZZANINE - POWER PLAN**

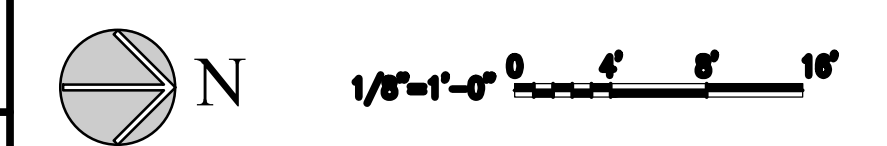
SCALE: 1/8" = 1'-0"



JUNCTION BOX	ELECTRICAL DATA				WIRING DATA				EQUIPMENT
	CB	V/Ph/Hz	COND SIZE	GND SIZE	CONDUIT SIZE	CIRCUIT NO.			
JUNCTION BOX g	20	120/1	#10	#10	3/4"	G2-14	BASKETBALL GOAL		
JUNCTION BOX b	20	120/1	#10	#10	3/4"	G2-15	BASKETBALL GOAL		
JUNCTION BOX c	20	120/1	#10	#10	3/4"	G2-16	BASKETBALL GOAL		
JUNCTION BOX e	20	120/1	#10	#10	3/4"	G2-17	BASKETBALL GOAL		
JUNCTION BOX f	20	120/1	#10	#10	3/4"	G2-18	BASKETBALL GOAL		
JUNCTION BOX h	20	120/1	#10	#10	3/4"	G2-19	BASKETBALL GOAL		
JUNCTION BOX i	20	120/1	#10	#10	3/4"	G2-20	CURTAIN		
JUNCTION BOX j	20	120/1	#10	#10	3/4"	G2-21	CURTAIN		
JUNCTION BOX k	20	120/1	#10	#10	3/4"	G2-22	CURTAIN		

**LEVEL 1 - POWER PLAN**

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



**ORANGE BEACH  
RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL

**DAVIS ARCHITECTS**

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REV	DATE	DESCRIPTION

DATE: 2-16-2019

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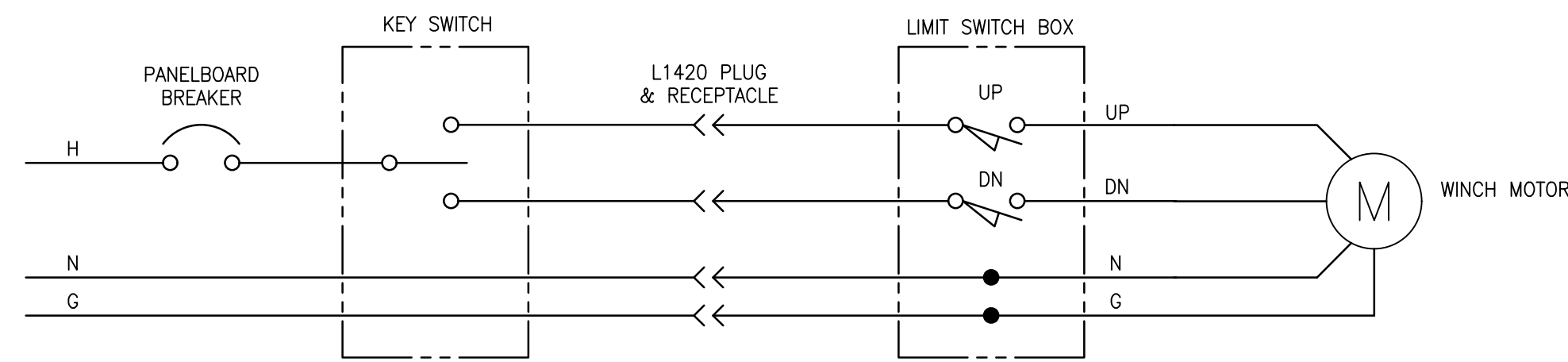
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SHEET TITLE: POWER PLAN

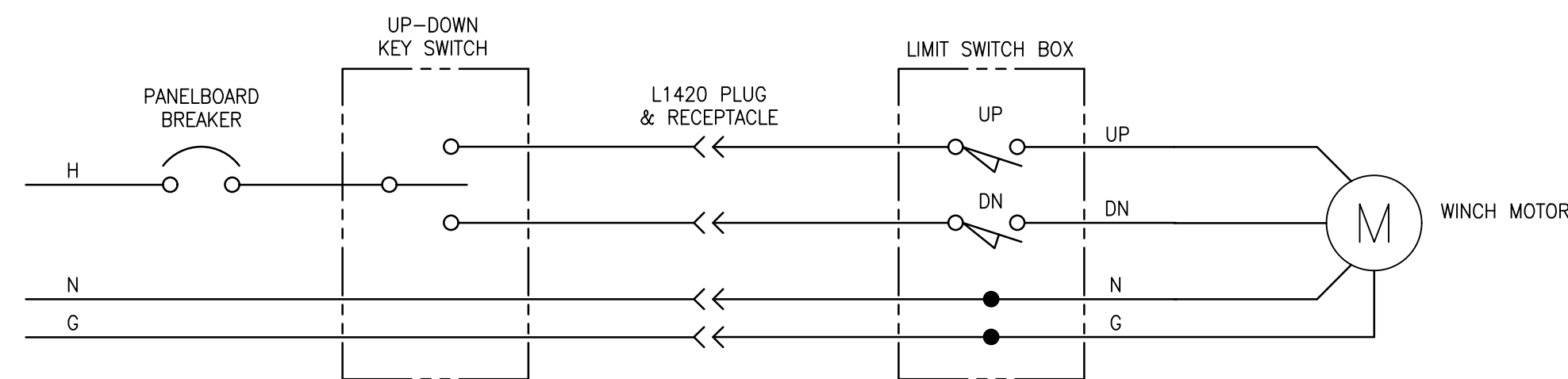
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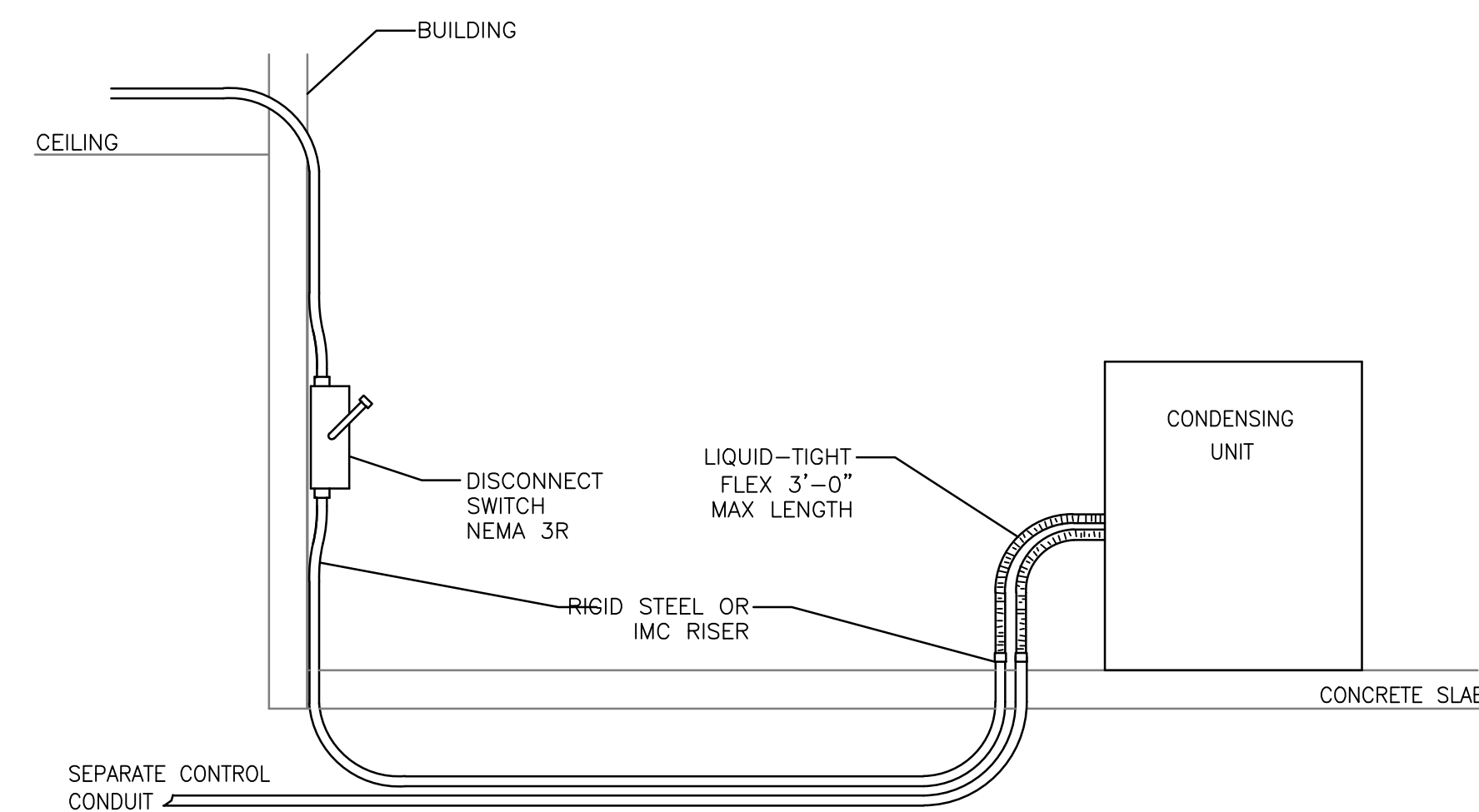




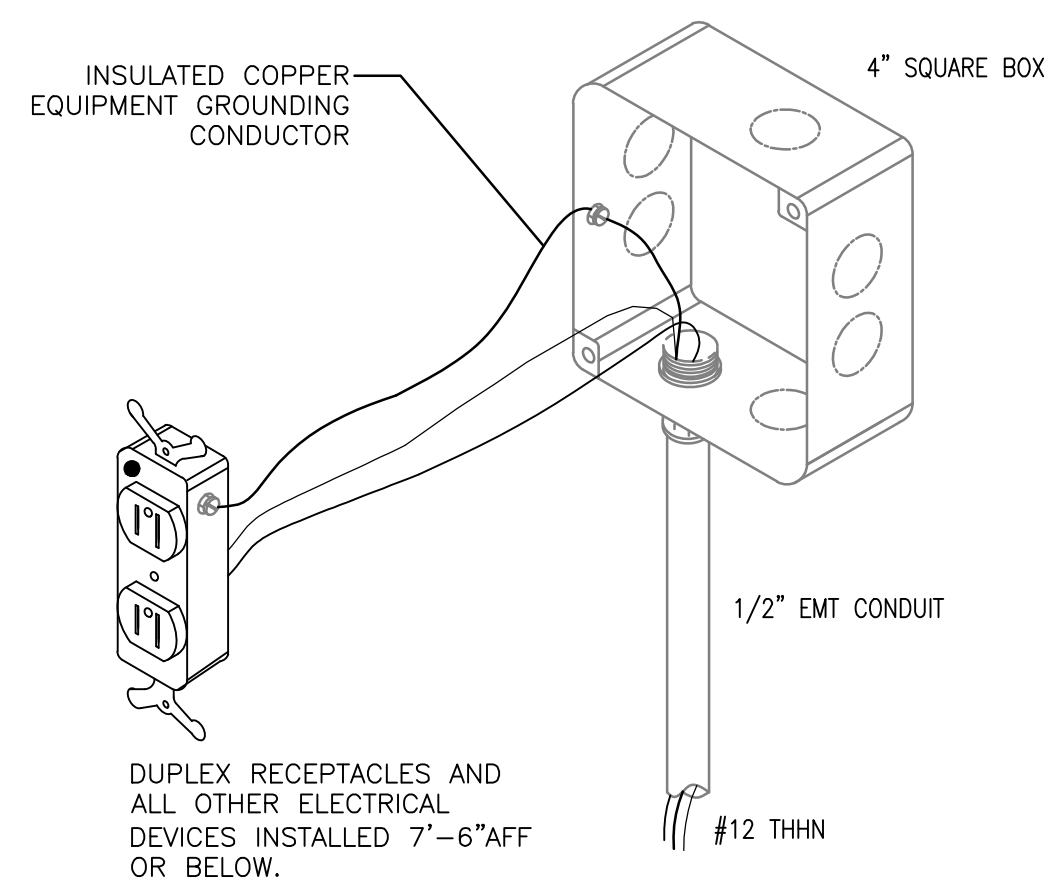
**BASKETBALL GOAL POWER AND CONTROL WIRING DIAGRAM**



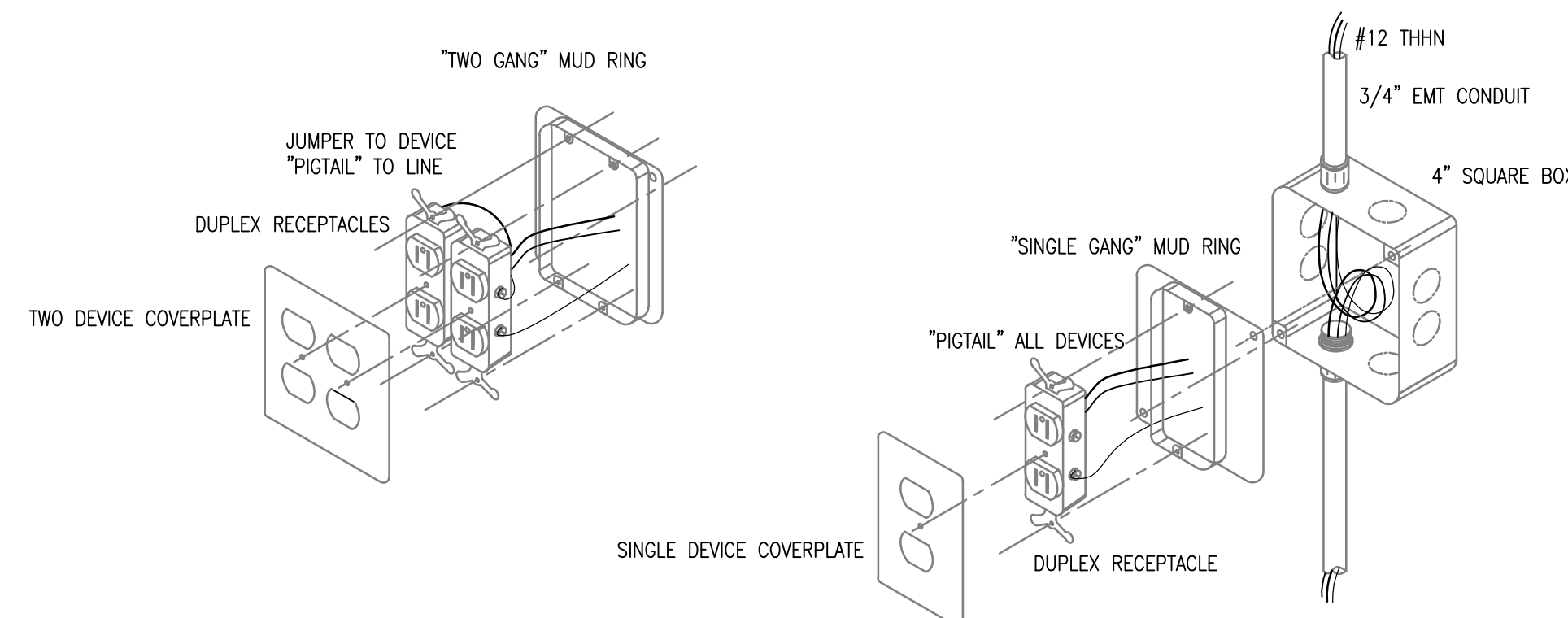
**MOTORIZED CURTAIN POWER AND CONTROL WIRING DIAGRAM**



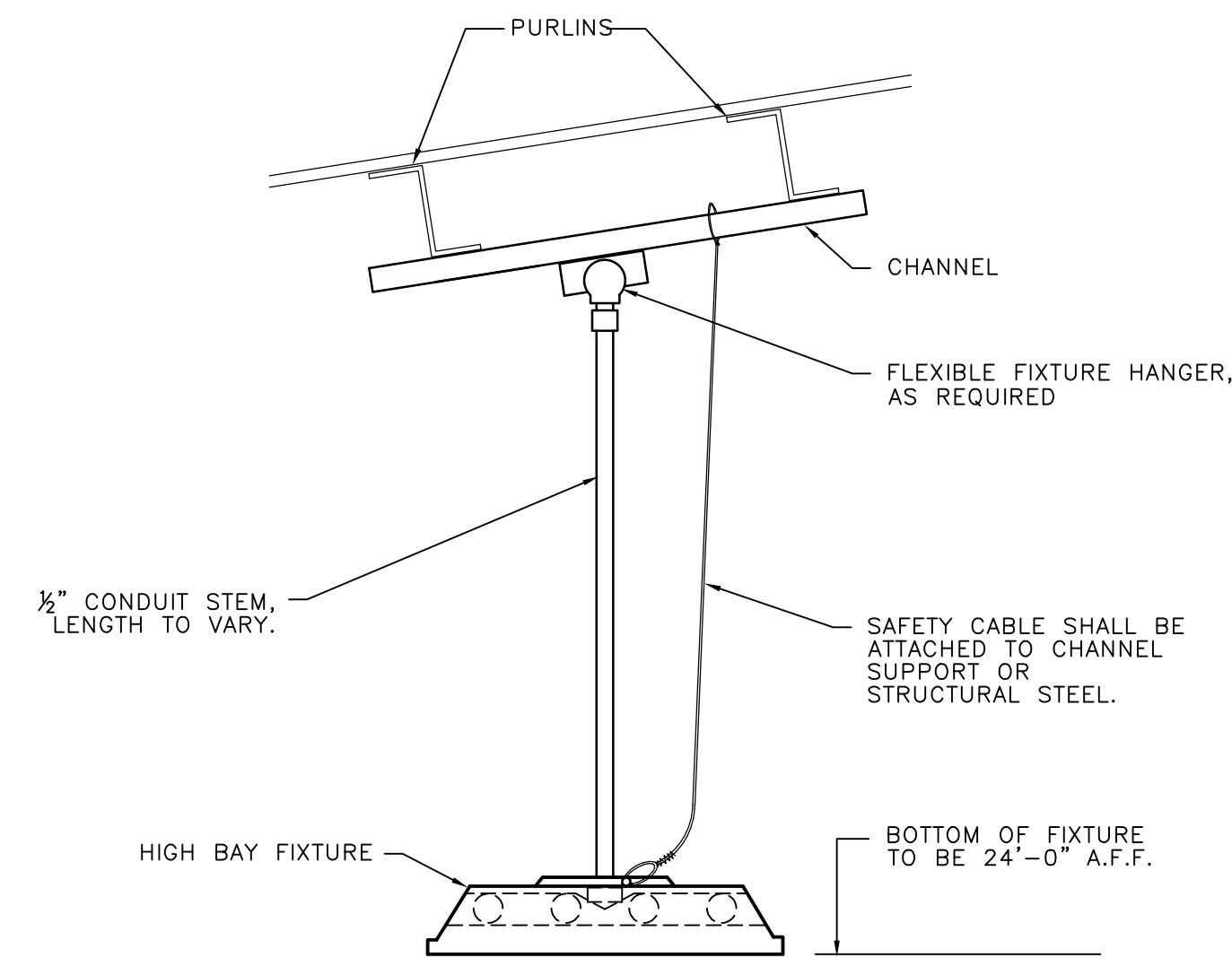
**CONDENSING UNIT INSTALLATION**



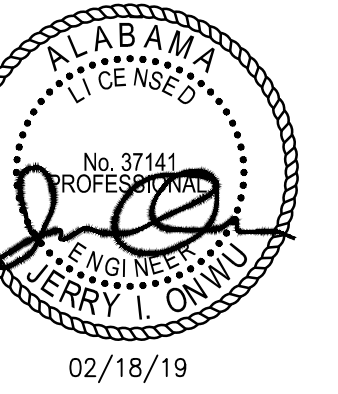
**DEVICE GROUNDING DETAIL**



**DEVICE WIRING DETAIL**



**HIGHBAY FIXTURE INSTALLATION**



**ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
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ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION

DATE: 2-18-2019

PHASE: CONSTRUCTION DOCUMENTS

DRAWN BY: PROJECT NO.:

DAVIS ARCHITECTS PROJECT NO.: 3891.01

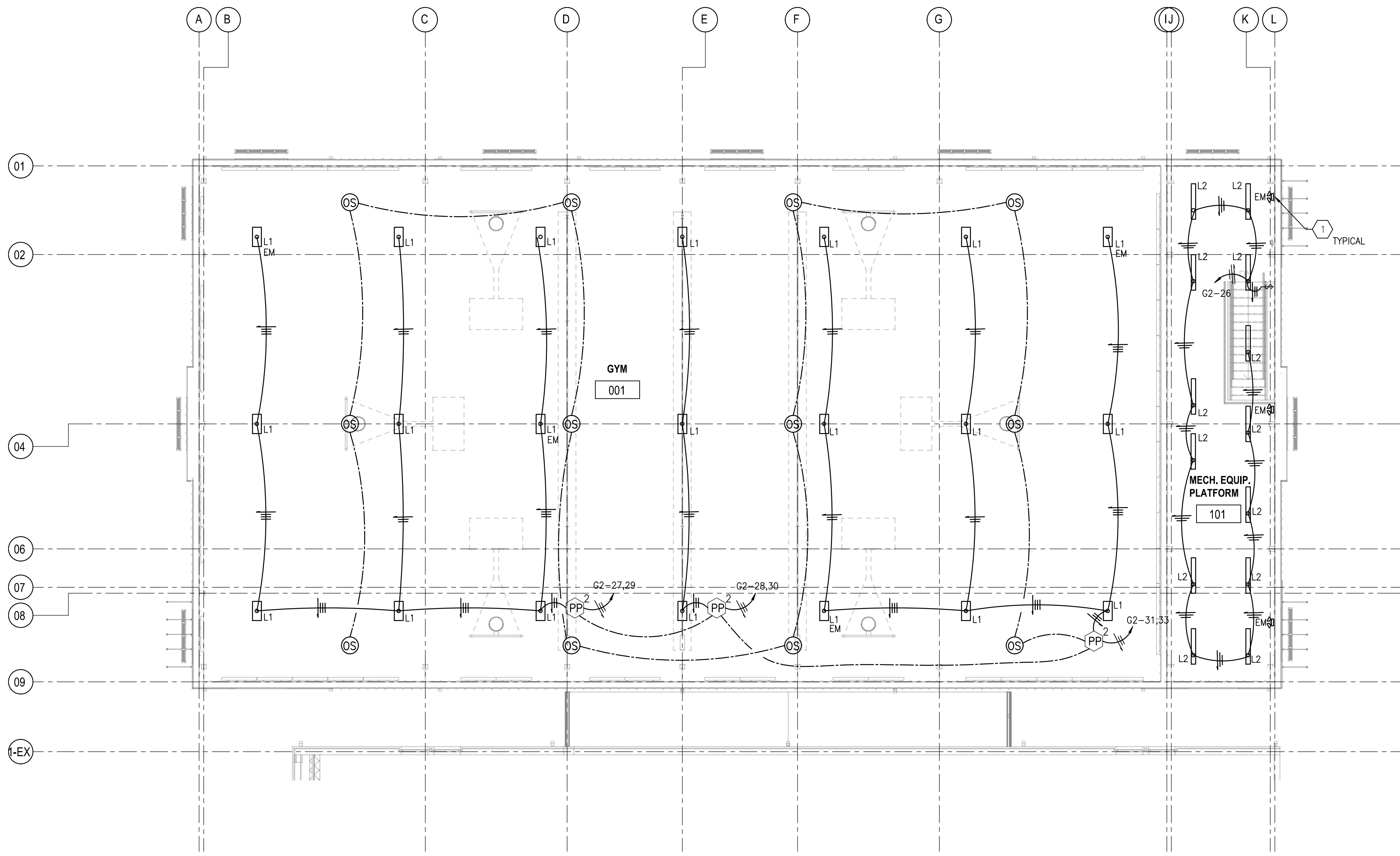
SHEET TITLE:

ELECTRICAL DETAILS

DRAWING NO.:

**E2.02**





**KEY NOTES**

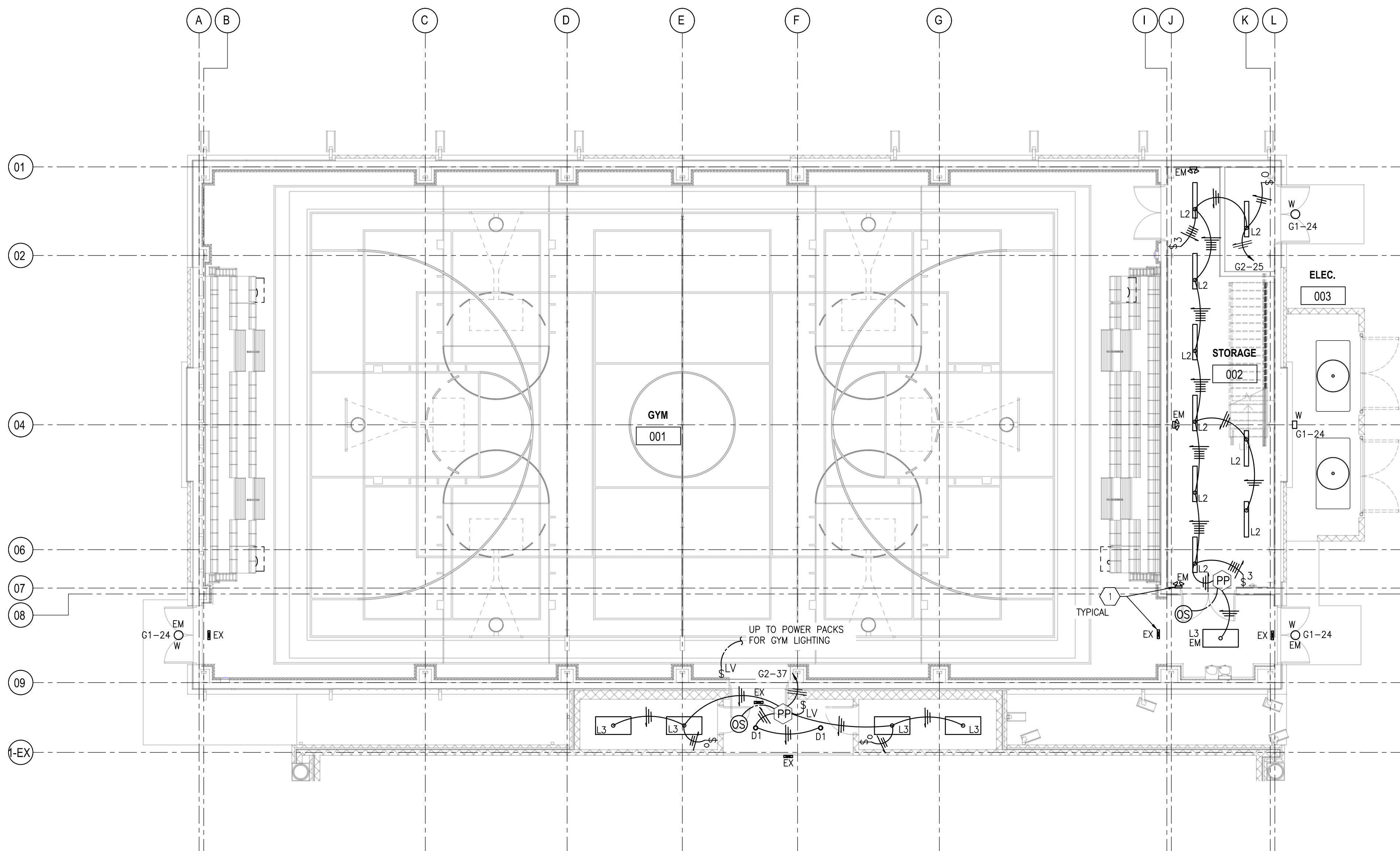
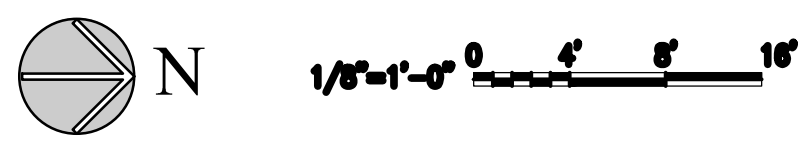
- 1. CONNECT ALL EXIT SIGNS AND EMERGENCY LIGHTS TO UNSWITCHED LIGHTING CIRCUIT THAT SERVES THE LIGHTING FIXTURES LOCATED IN THE SAME ROOM.

**GENERAL NOTES**

- 1. CONDUIT CAN BE RUN CONCEALED IN WALLS.
- 2. ALL CONDUIT RUN EXPOSED SHALL BE RUN PARALLEL TO STRUCTURE AND PLUMB.
- 3. ALL CONDUIT RUN EXPOSED SHALL BE PAINTED, COORDINATE COLOR WITH ARCHITECT.
- 4. LIGHTING CONTROL WIRING IS SHOWN DIAGRAMMATICALLY, EXACT CONFIGURATION WILL BE PER THE LIGHTING CONTROL VENDOR SUBMITTALS.

**MEZZANINE - LIGHTING PLAN**

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

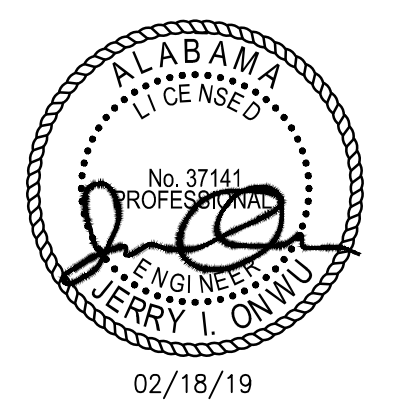
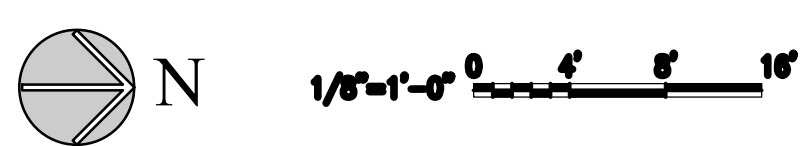


**GYM LIGHTING CONTROL**

GYM LIGHTING FIXTURES TO TURN ON WHEN OCCUPANCY SENSORS ARE ACTIVATED OR BY THE LOW VOLTAGE SWITCH. FIXTURES TO TURN OFF AFTER A TIMED PERIOD OF NO MOTION SENSED.

**LEVEL 1 - LIGHTING PLAN**

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



**ORANGE BEACH RECREATION COMPLEX  
NEW GYMNASIUM**



CITY OF ORANGE BEACH ;  
ORANGE BEACH, AL

**DAVIS ARCHITECTS**

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ATTN: KEN GRIMES, JR.

**ASSOCIATE ARCHITECT**  
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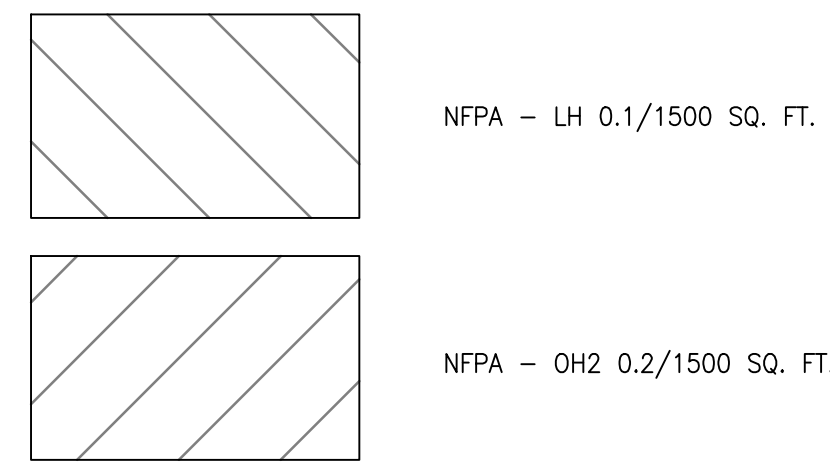
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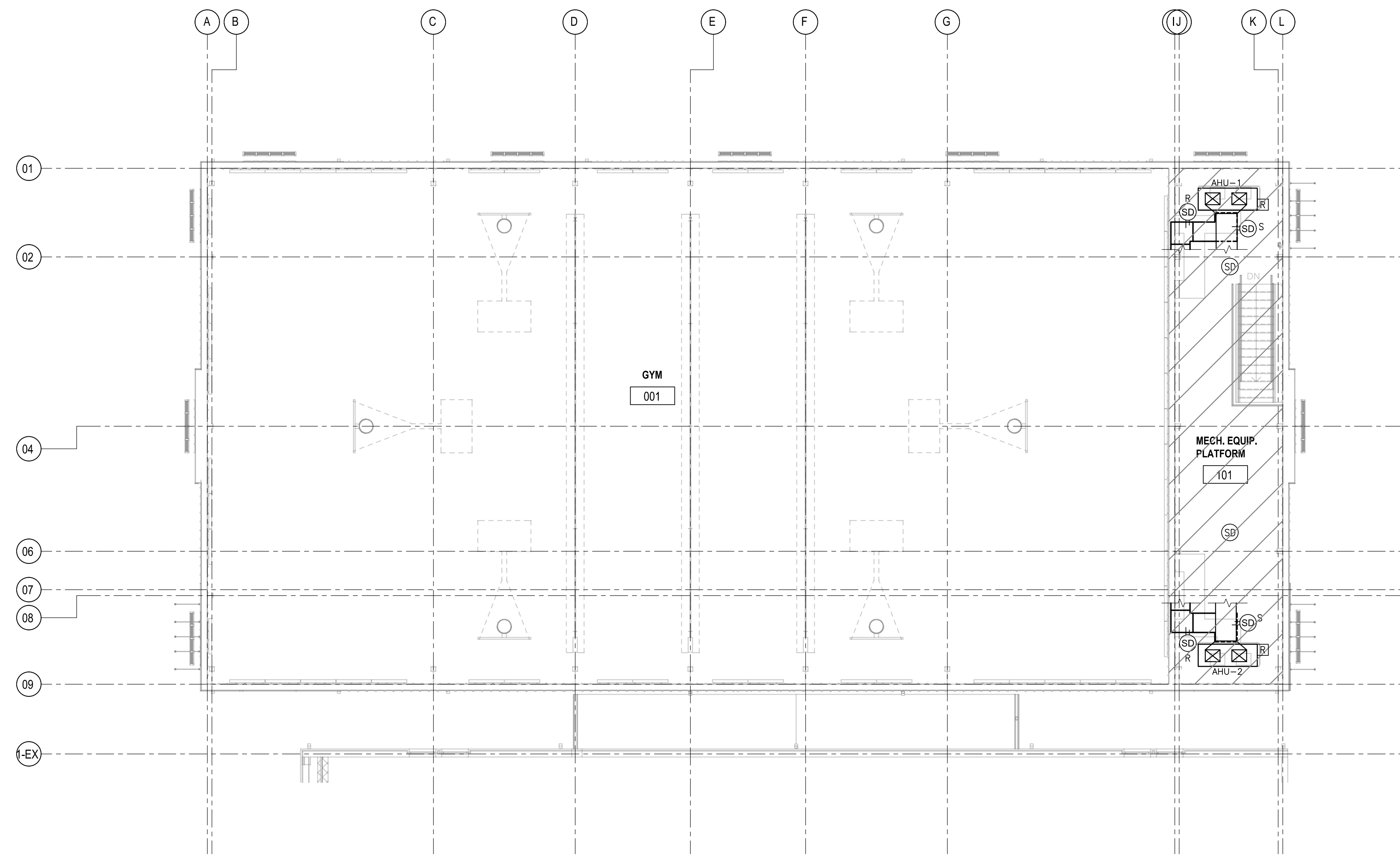


**LEGEND**



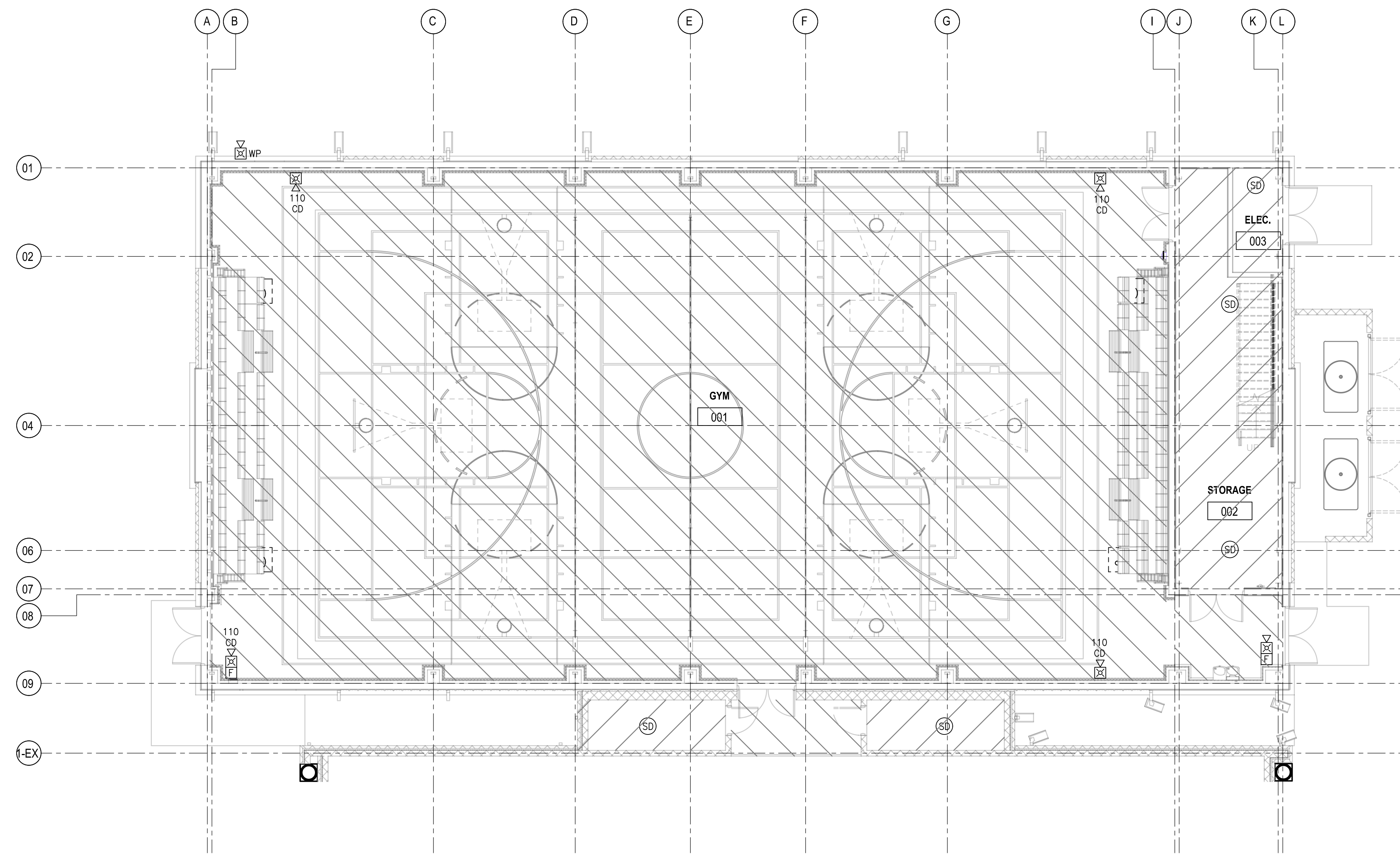
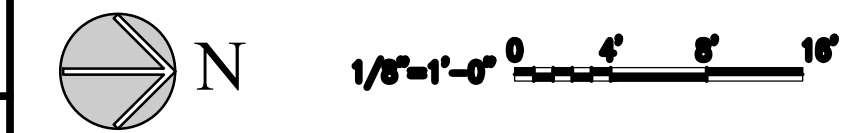
**FIRE ALARM LEGEND**

- SD CEILING MOUNTED SMOKE DETECTOR
- SD- AIR DUCT SMOKE DETECTOR, W/EXTRA SET OF CONTACTS  
S=SUPPLY, R=RETURN
- WP WEATHER PROOF HORN STROBE 15cd UNLESS OTHERWISE NOTED
- WS WALL MOUNTED SPEAKER STROBE 15cd UNLESS OTHERWISE NOTED  
PROVIDE PROTECTIVE COVER
- F FLUSH MOUNTED PULL STATION
- R RELAY MODULE
- FACP FIRE ALARM CONTROL PANEL (EXISTING)
- FCPS FIELD CHARGING POWER SUPPLY



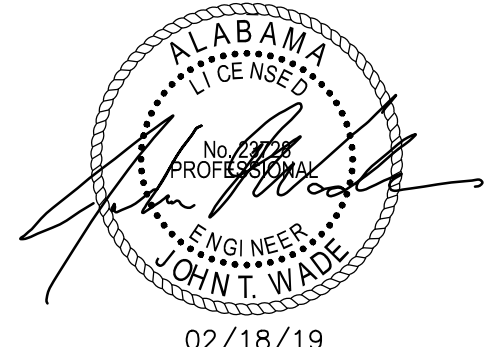
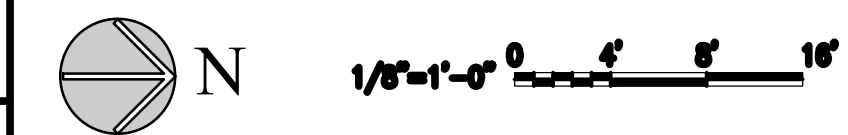
**MEZZANINE - FIRE PROTECTION PLAN**

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



**LEVEL 1 - FIRE PROTECTION PLAN**

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



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**NOTES:**

1. SEE DRAWING UE1.01 FOR SPRINKLER TIE IN PONT.

REV	DATE	DESCRIPTION

DATE: 2-16-2019

PHASE: CONSTRUCTION DOCUMENTS

DESIGNED BY: PROJECT NO.: 3891.01

DRAWN BY: PROJECT NO.: 3891.01

SHEET TITLE: FIRE PROTECTION PLAN

DRAWING NO.:

**F1.01**

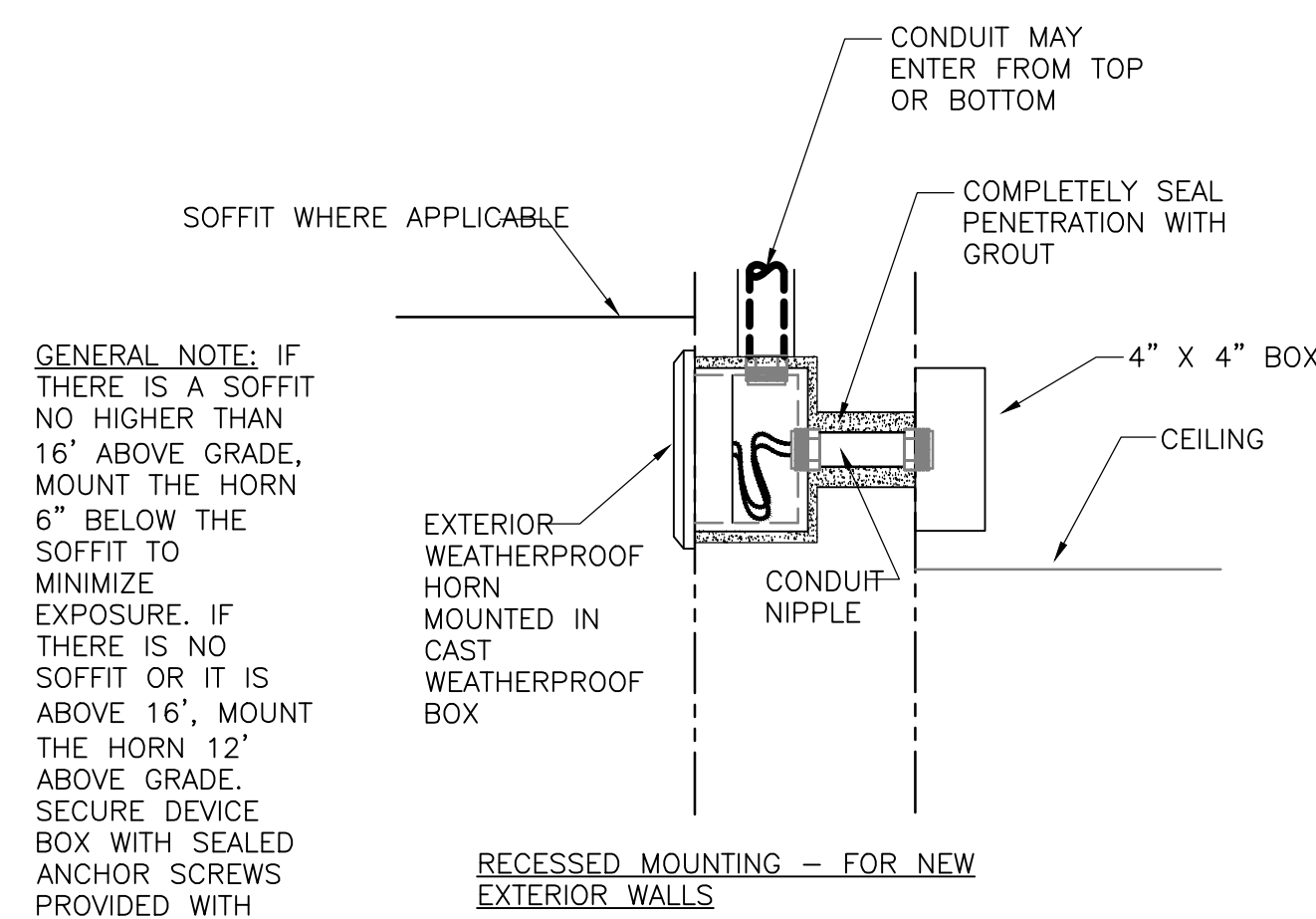


## SPRINKLER NOTES

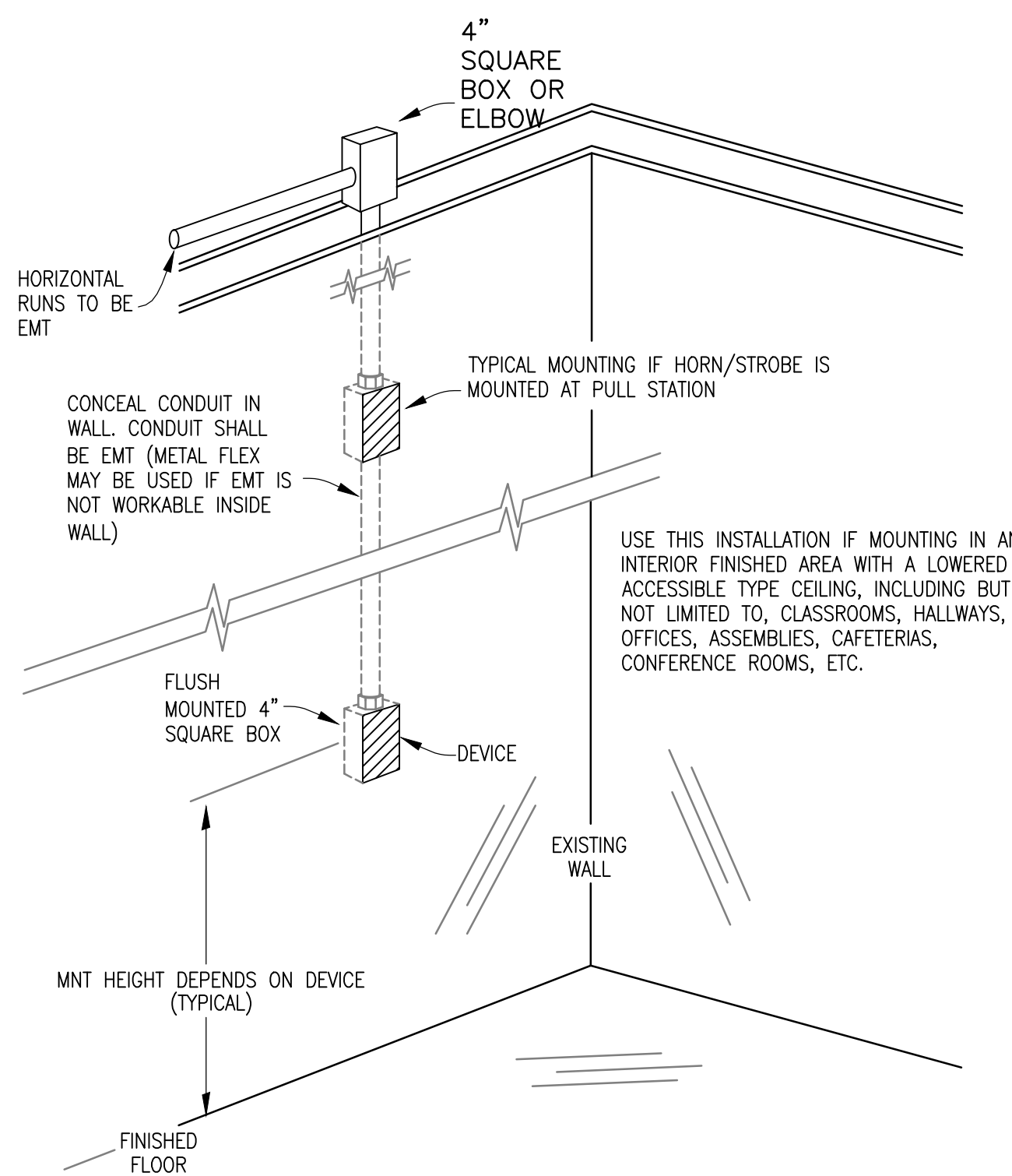
- PROVIDE WET PIPE FIRE SPRINKLER SYSTEM THROUGHOUT THE GYMNASIUM IN ACCORDANCE WITH NFPA 13 - 2013 EDITION AND THE INTERNATIONAL BUILDING AND FIRE CODES - 2012 EDITION.
- SPRINKLER CONTRACTOR TO HAVE AN ALABAMA SPRINKLER CONTRACTORS LICENSE FOR A MINIMUM OF 3 YEARS.
- SPRINKLER CONTRACTOR SCOPE OF WORK TO START AT THE EXISTING RISER AND INCLUDE ALL OF THE ABOVE GROUND SPRINKLER SYSTEM FOR THE NEW GYMNASIUM.
- SYSTEM SHOWN IS FOR BIDDING PURPOSES AND TO REFLECT MINIMUM REQUIREMENTS. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND INSTALL IN ACCORDANCE WITH NFPA 13, NFPA 24 AND LOCAL REQUIREMENTS.
- SCOPE INCLUDES BASE HYDRAULIC CALCULATIONS.
- ALL EXPOSED SPRINKLER PIPING TO BE PAINTED, COORDINATE COLOR WITH ARCHITECT.
- ALL VALVES TO BE WITHIN 7 FEET AFF.
- ALL GROOVED FITTINGS AND COUPLINGS TO BE SAME MANUFACTURER.
- SYSTEM TO BE HYDROSTATICALLY TESTED @ 200 PSI FOR TWO HOURS - PER NFPA 13.
- ALL ABOVE GROUND PIPE 2" AND SMALLER TO BE THREADED, BLACK STEEL SCHEDULE 40, WITH M-COAT.
- ALL ABOVE GROUND PIPE 2 1/2" AND LARGER TO BE ROLL GROOVE/ WELDED, BLACK STEEL MINIMUM SCHEDULE 10, WITH M-COAT.
- SEAL ALL PENETRATIONS TO MATCH CONSTRUCTION AND FIRE RATING. SLEEVE ALL MASONRY PENETRATIONS AND PROVIDE 1" CLEARANCE TO SLEEVES.
- PROVIDE FREEZE PROTECTION FOR WET PIPE EXPOSED TO THE EXTERIOR IN ACCORDANCE WITH NFPA 13. WHERE HEAT TRACE IS USED PROVIDE LISTED SYSTEM SUPERVISED BY THE F.A. SYSTEM.
- HANGERS SHALL BE SPACED AND PLACED IN ACCORDANCE WITH NFPA-13.
- ROUTE ALL DRAINS AND TEST CONNECTIONS TO THE EXTERIOR, DISCHARGE WITHIN 1' OF FINISHED GRADE, PROVIDE SPLASH PADS. DO NOT DISCHARGE ON WALKWAYS.
- COORDINATE WITH OTHER TRADES TO MAINTAIN REQUIRED CLEARANCES TO OTHER EQUIPMENT.
- CONTRACTOR TO FIELD VERIFY CONDITIONS.
- CONTRACTOR TO COORDINATE ALL TIE INS WITH OWNER.
- PROVIDE WHITE SEMI RECESSED SPRINKLER HEADS IN FINISHED AREAS. SPRINKLERS TO BE INSTALLED PLUMB AND SQUARE IN AREAS WHERE IT IS EXPOSED.
- PROVIDE BRASS UPRIGHT HEADS IN UNFINISHED AREAS.
- ALL MATERIALS SHALL BE UL LISTED/FM APPROVED.

## FIRE ALARM NOTES

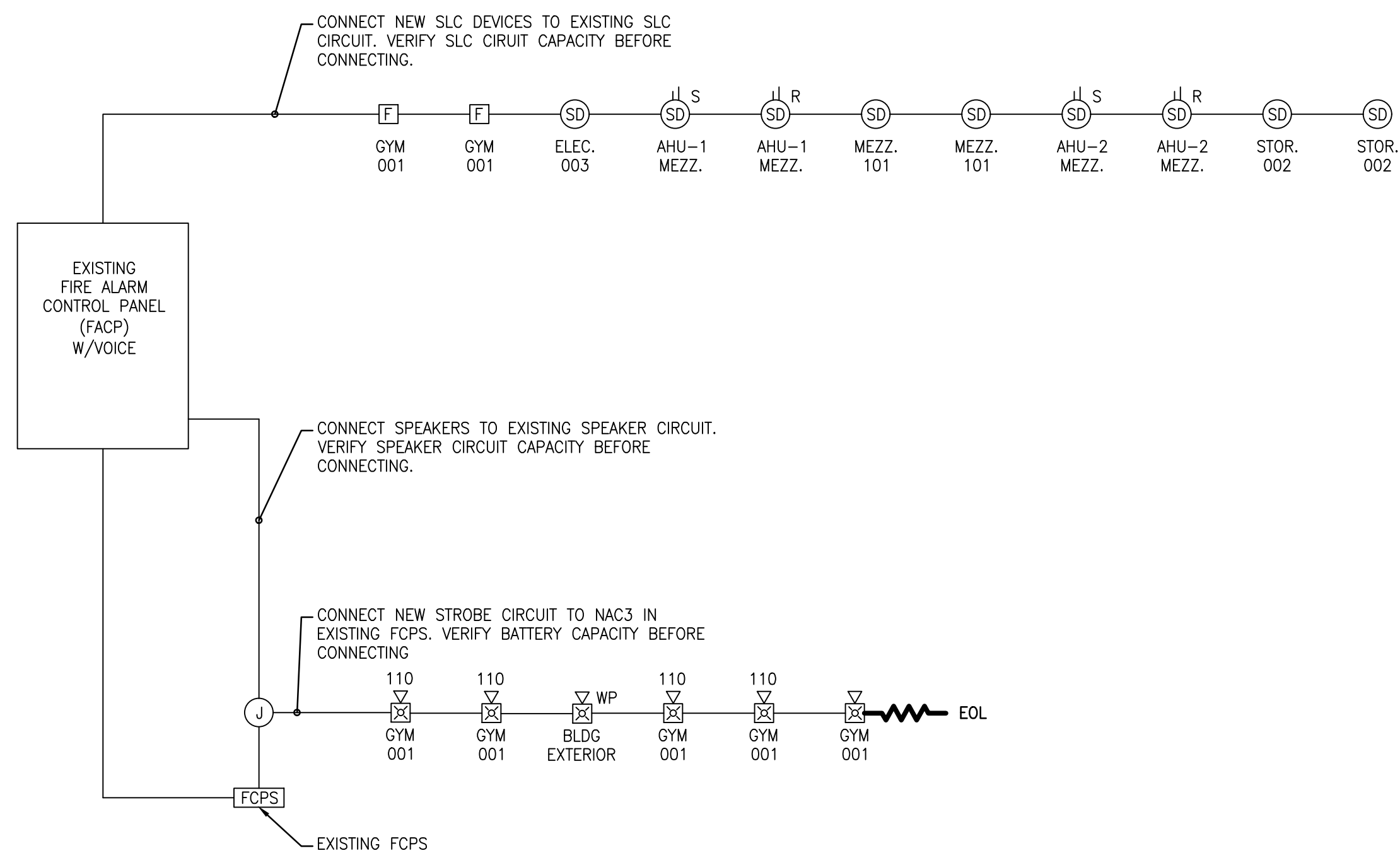
- THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY RED-LINED/INDICATED ON A WEEKLY BASIS ON THE RECORD DRAWINGS AND MAINTAINED ON SITE FOR INSPECTION.
- CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE.
- ALL ELECTRICAL WIRING, CONDUIT, JUNCTION BOXES, ETC. TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH GOOD INDUSTRY PRACTICE AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE REGULATORY BODIES. ALL CONDUIT SHALL BE PAINTED, COLOR BY ARCHITECT.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS IN COMPLETE COMPLIANCE WITH REQUIREMENTS IN SECTION 907 OF THE INTERNATIONAL FIRE CODE - 2012 EDITION. A STAMPED SET OF APPROVED FIRE ALARM SHOP DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION.
- POWER CIRCUITS TO THE FACP, FIRE ALARM POWER SUPPLIES, AND OTHER EQUIPMENT REQUIRING 120 VOLT POWER SHALL BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT BREAKER, WITH RED MARKING, LOCK-ON PROVISION AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL." THE PANEL, CIRCUIT NUMBER AND PHYSICAL LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT. PROVIDE AN EARTH GROUND CONNECTED TO PANEL ENCLOSURES. USE AT LEAST #12 AWG. BOND OR LARGER WIRE FOR AC POWER WIRING.
- ALL WIRING SHALL BE PULLED FREE OF ANY SPACES. ALL CONNECTIONS TO BE MADE WITH SCREW TERMINALS AT DEVICES OR PANELS. WIRE NUTS, CRIMP STYLE AND SIMILAR DEVICES ARE NOT PERMITTED. WHERE DEVICES ARE SUPPLIED BY THE MANUFACTURER WITH STRANDED WIRE, MAKE CONNECTION WITH BLADE CONNECTORS AND SHRINK WRAP SEAL HUBS.
- ALL WIRING SHALL BE SOLID COPPER, INSTALLED IN CONDUIT IN ACCORDANCE WITH NFPA 70 (NEC).
- TERMINALS AND TERMINAL STRIPS TO BE SUITABLE FOR THE SIZE AND NUMBER OF CONDUCTORS CONNECTED TO THEM. CONDUCTORS LOOPED AROUND TERMINALS ARE PROHIBITED. BREAK WIRE AT ALL TERMINATIONS TO ENSURE PROPER SUPERVISION.
- FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPROPRIATE SECTION OF NEC 760. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH NEC 760 SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.
- FIRE ALARM CABLE INSTALLED IN DUCTS, PLENUM, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP.
- FIRE ALARM CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS.
- FIRE ALARM CIRCUITS EXTENDING BEYOND BUILDING AND RUN OUTDOORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 ARTICLES 760, 770, 725 AND 800 WHERE APPLICABLE.
- ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
- ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
- ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
- 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
- MAINTAIN 40 PERCENT CONDUIT FILL RATIO AS PER NEC REQUIREMENTS.
- ANY SMOKE DETECTOR INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER.
- THE FIRE ALARM INSTALLER WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED.
- INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NEC.
- PROVIDE DUCT DETECTORS IN THE SUPPLY AND RETURN AIR SYSTEMS IN ACCORDANCE WITH THE LOCALLY ADOPTED MECHANICAL CODE. PROVIDE REMOTE TEST STATIONS FOR EACH DUCT DETECTOR. SEE PLANS FOR LOCATIONS.
- COORDINATE ALL TESTING AND INSPECTION WITH OWNER'S REP AND AHJ.



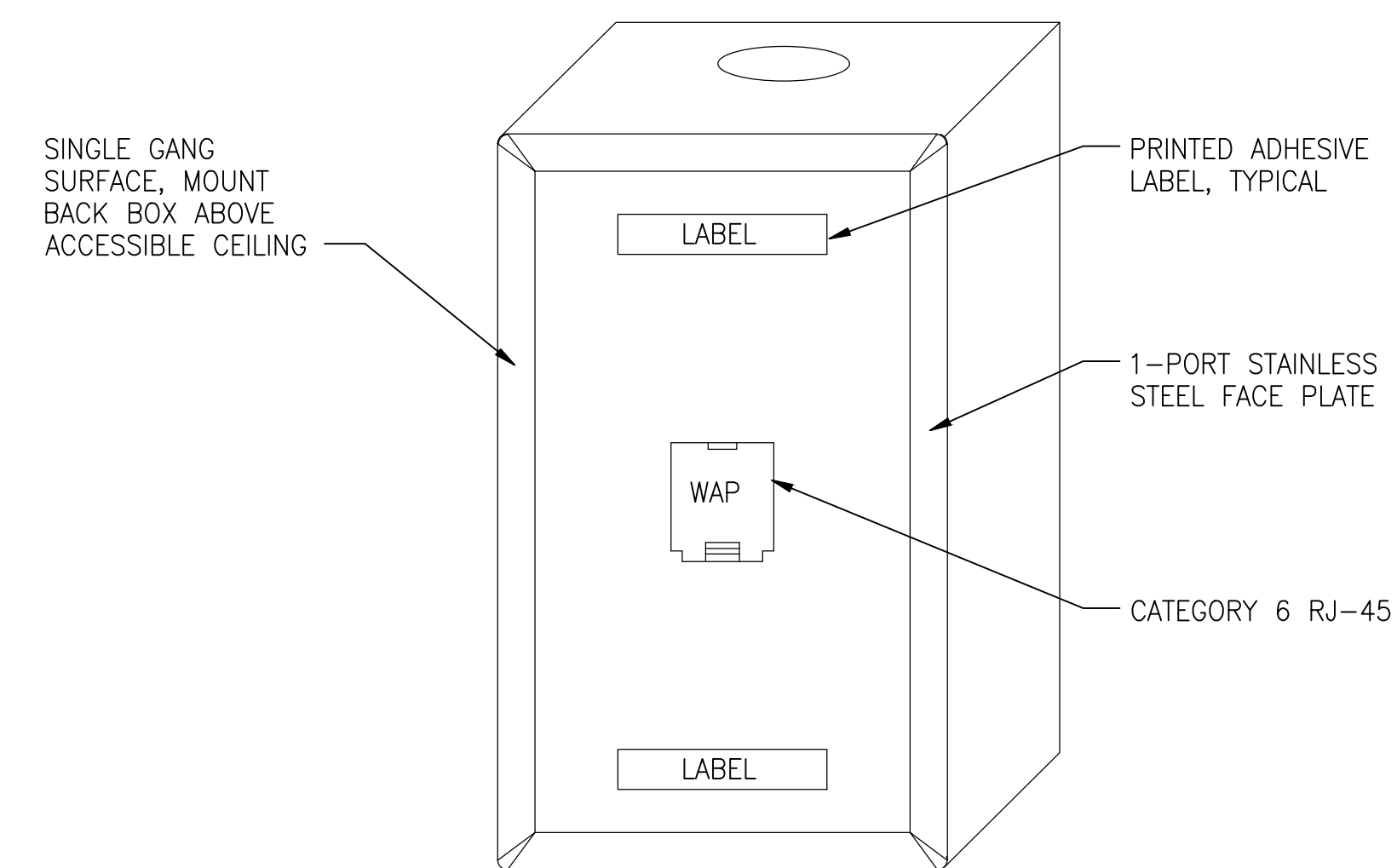
EXTERIOR HORN MOUNTING DETAIL  
SCALE: NONE



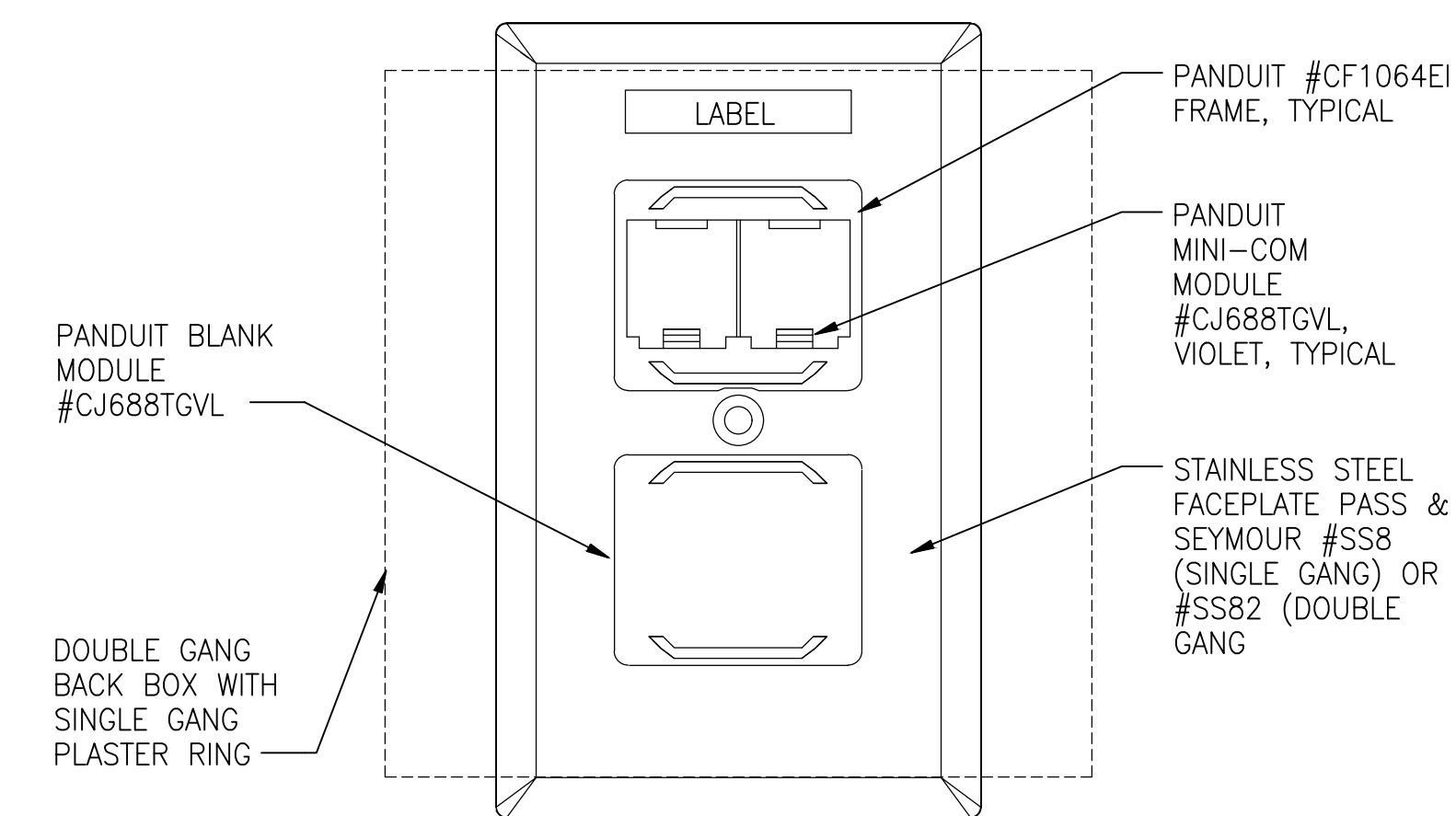
STANDARD MOUNTING FOR FIRE ALARM DEVICES  
SCALE: NONE



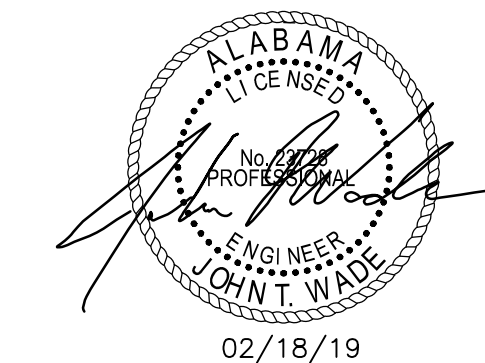
FIRE ALARM RISER



WIRELESS ACCESS POINT OUTLET BOX



DATA OUTLET BOX



## ORANGE BEACH RECREATION COMPLEX NEW GYMNASIUM



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