CRENSHAW COUNTY SPORTSPLEX

(PHASE 3 - BUILDING CONSTRUCTION)

SET B

INCLUDES:

- FOOTBALL / SOCCER FACILITY -

- TRACK AND FIELD FACILITY -

CRENSHAW COUNTY SPORTSPLEX

(PHASE 3 - BUILDING CONSTRUCTION)

SET B

- FOOTBALL / SOCCER CONCESSIONS -

US 29 / HWY 331

LUVERNE, ALABAMA 36049

- DRAWINGS FOR CONSTRUCTION -

GENERAL PROJECT DESCRIPTION:
THE PROJECT, LOCATED AT THE CRENSHAW COUNTY SPORTSPLEX, CONSISTS OF A NEW CONCESSIONS BUILDING FOR THE FOOTBALL / SOCCER FIELDS.

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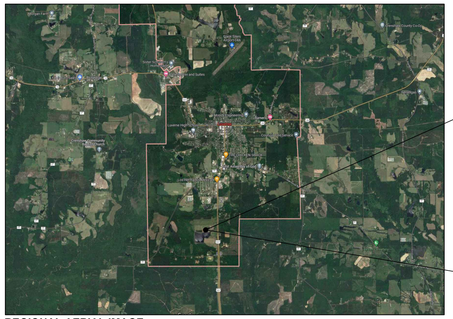
APPLICABLE CODES (AS ADOPTED BY THE CITY OF LUVERNE, AL):
INTERNATIONAL BUILDING CODE (IBC) 2015 EDITION
ICC A117.1 2009 EDITION
AMERICANS WITH DISABILITIES ACT (ADA) 2010 (NOT ENFORCED BY BUILDING DEPARTMENT - BUT REQUIRED BY FEDERAL GOVERNMENT)
INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2015 EDITION
INTERNATIONAL PLUMBING CODE (IPC) 2015 EDITION
INTERNATIONAL FUEL GAS CODE (IFGC) 2015 EDITION
INTERNATIONAL MECHANICAL CODE (IMC) 2015 EDITION
NATIONAL ELECTRICAL CODE (NEC) 2014 EDITION
***NOTE: BUILDING COMPLIES WITH IBC 2015, PER THE STATE FIRE MARSHAL REQUIREMENTS



REGIONAL AERIAL IMAGE
NOT TO SCALE



SITE AERIAL IMAGE
NOT TO SCALE

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Project Date:
10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

COVER PAGE & INDEX

STATE OF ALABAMA
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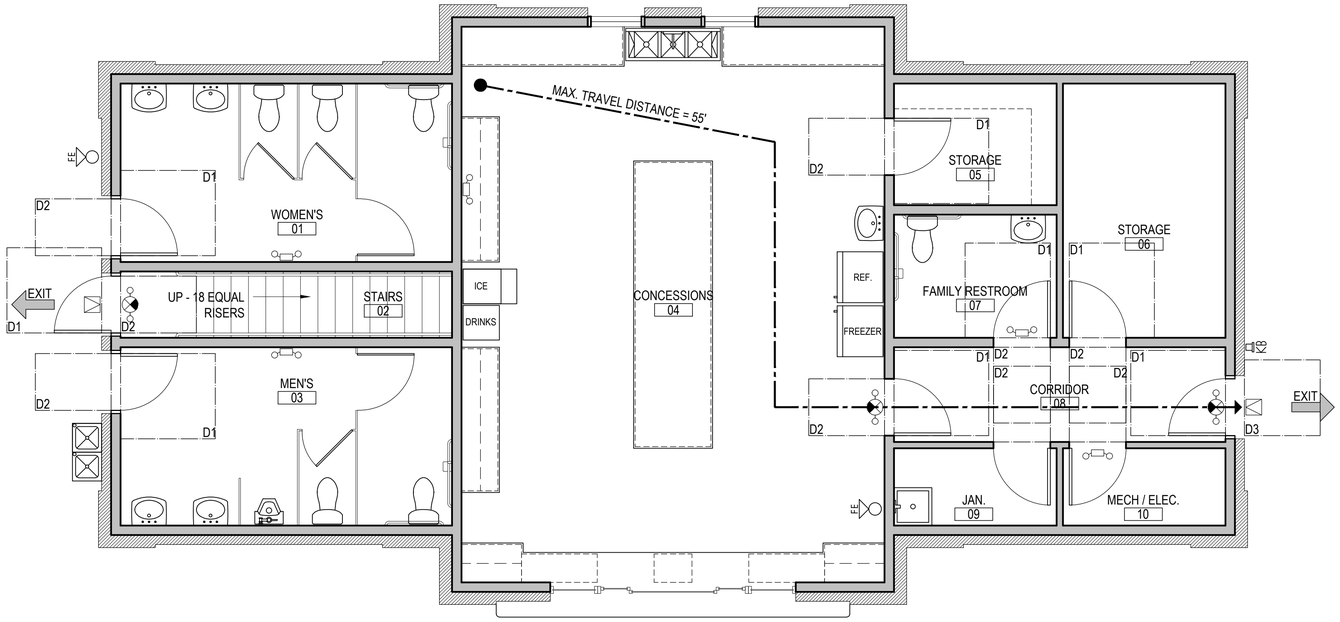
G1.0
Sheet Number



1 1ST FLOOR LIFE SAFETY PLAN

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

0 2' 4' 8'

NORTH

LIFE SAFETY PLAN LEGEND

COMMON PATH OF TRAVEL

TRAVEL DISTANCE

DEAD END CORRIDOR

ADA CLEAR FLOOR SPACE / APPROACH AS NOTED

FE — FIRE EXTINGUISHER:
SURFACE MOUNT TO WALL WITH MFG. FURNISHED BRACKET. TO COMPLY WITH ADA, MOUNT SO BOTTOM OF EXTINGUISHER IS 26" ABOVE FINISH FLOOR. EXTINGUISHER IS TO BE A DRY CHEMICAL FIRE EXTINGUISHER CLASSIFICATION: 2-A: 20-B,C

KB — KNOX BOX:
3200 SERIES, RECESSED MOUNT IN DARK BRONZE LOCATE 6'-0" A.F.F. - CONFIRM WITH AHJ.

INDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE ELECTRICAL DRAWINGS

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

OUTDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE SPECIFICATION IN ELECTRICAL DRAWINGS

LIFE SAFETY PLAN LEGEND & GENERAL NOTES

GENERAL SCOPE OF WORK
A NEW CONCESSION STAND IS PROPOSED. THE 1ST FLOOR INCLUDES A CONCESSIONS AREA, RESTROOMS, AND STORAGE. NO COMMERCIAL COOKING WILL OCCUR (WARMING ONLY). THE 2ND FLOOR INCLUDES A SCOREKEEPER'S AREA, TWO RESTROOMS, AND STORAGE.

OCCUPANCY CLASSIFICATION - IBC CHAPTER 3, SECTION 304
BUSINESS (B) - CONCESSIONS AND OFFICE

CONSTRUCTION TYPE - IBC CHAPTER 6, SECTION 602.5
TYPE V(B) - CONCRETE SLAB ON GRADE, MASONRY VENEER OVER WOOD FRAMED EXTERIOR WALLS, WOOD FLOOR AND ROOF FRAMING, AND AN ASPHALT SHINGLE ROOF OVER A WOOD DECK

ALLOWABLE HEIGHT - IBC CHAPTER 5, TABLE 504.3
40' ALLOWED VS. 25' PROVIDED (MEASURED TO AVERAGE HEIGHT OF HIGHEST ROOF SURFACE)

ALLOWABLE STORIES - IBC CHAPTER 5, TABLE 504.4
2 STORIES ALLOWED VS. 2 STORY PROVIDED

ALLOWABLE AREA - IBC CHAPTER 5, TABLE 506.2
9,000 SQ.FT. ALLOWED PER FLOOR VS. 1,496 SF 1ST FLOOR AND 656 SF 2ND FLOOR ACTUAL
(ALLOWED AREA DOES NOT INCLUDE PERMITTED FRONTAGE INCREASE)

INTERIOR OCCUPANCY SEPARATIONS - IBC CHAPTER 5, SECTION 508.3.3
NONE REQ'D VS. NONE PROVIDED

INTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601, & CHAPTER 10, TABLE 1017.2
NONE REQ'D VS. NONE PROVIDED (NONE REQUIRED BASED ON CONSTRUCTION TYPE, FIRE RATED CONSTRUCTION, OR MEANS OF EGRESS.

EXTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601 AND 602
NONE REQUIRED BASED ON CONSTRUCTION TYPE OR FIRE SEPARATION DISTANCE. (SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE EXCEEDS 10'.)

EXTERIOR WALL OPENINGS ALLLOWED AREA - IBC CHAPTER 7, TABLE 705.8
UNLIMITED, UNPROTECTED OPENINGS ALLOWED
(SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE IS GREATER THAN 30')

FIRE SPRINKLER - IBC CHAPTER 9 SECTION 903.2
NONE REQ'D VS. NONE PROVIDED

FIRE ALARM - IBC CHAPTER 9, SECTION 907.2.2
NONE REQ'D VS. NONE PROVIDED

OCCUPANT LOAD - IBC CHAPTER 10, TABLE 1004.1.2
1ST FLOOR
BUSINESS OCCUPANCY
100 GSF PER PERSON - 1,496 GSF / 100 GSF PER PERSON = 15.0 OCCUPANTS

2ND FLOOR
BUSINESS OCCUPANCY
100 GSF PER PERSON - 656 GSF / 100 GSF PER PERSON = 6.6 OCCUPANTS

TOTAL = 22 OCCUPANTS (BOTH FLOORS)

NUMBER OF EXITS REQ'D VS. PROVIDED - IBC CHAPTER 10, TABLE 1006.2.1, AND TABLE 1006.3.2(2)
1 REQ'D VS. 1 PROVIDED ON BOTH 1ST AND 2ND FLOORS
(NUMBER OF EXITS REQUIRED BASED ON OCCUPANT LOAD IS 1. NUMBER OF EXITS REQUIRED TO LIMIT COMMON PATH OF TRAVEL TO 75' IS 1.)

EXIT CAPACITY REQUIRED VS. PROVIDED - IBC CHAPTER 10, SECTION 1010.1.1
15 OCCUPANTS x .2" OF EGRESS WIDTH PER OCCUPANT = 3.0" EGRESS WIDTH REQUIRED (1ST)
32" CLEAR DOOR OPENING MIN. REQUIRED VS. 32" PROVIDED

7 OCCUPANTS x .2" OF EGRESS WIDTH PER OCCUPANT = 1.4" EGRESS WIDTH REQUIRED (2ND)
32" CLEAR DOOR OPENING MIN. REQUIRED VS. 32" PROVIDED

MEANS OF EGRESS - IBC TABLE 1006.2.1, TABLE 1006.3.2(2), TABLE 1017.2, & SECTION 1020.2
75' MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE ALLOWED VS 55' PROVIDED
20' MAX. DEAD END CORRIDOR VS. 0' ACTUAL

INTERIOR FINISHES - IBC CHAPTER 8, TABLE 803.11, SECTION 804.4.2
INTERIOR EXIT STAIRWAYS AND EXIT PASSAGE WAYS ARE TO BE CLASS A RATED AT MIN. CORRIDOR WALL AND CEILING FINISHES ARE TO BE CLASS B RATED AT MIN. ENCLOSED ROOM WALL AND CEILING FINISHES ARE TO BE CLASS C RATED AT MIN. FLOOR FINISHES ARE TO BE CLASS II RATED AT MIN.

EMERGENCY LIGHTING - IBC CHAPTER 10, SECTION 1008.3
THE FOLLOWING AREAS, ON THIS PARTICULAR PROJECT, ARE REQUIRED TO BE PROVIDED WITH EMERGENCY LIGHTING WITH A MINIMUM 90 MINUTE EMERGENCY POWER.
1. ELECTRICAL EQUIPMENT ROOM

EXIT SIGNS - IBC CHAPTER 10, SECTION 1013.1, EXCEPTION 1
NONE REQUIRED

NOTE: EXIT SIGNS AND ADDITIONAL EMERGENCY LIGHTS ARE BEING ADDED FOR IMPROVED SAFETY, THOUGH THEY MAY NOT BE REQUIRED.

***** LIFE SAFETY NOTES CONTINUED ON THE NEXT PAGE *****

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Project Date: 10-25-24

Revisions:

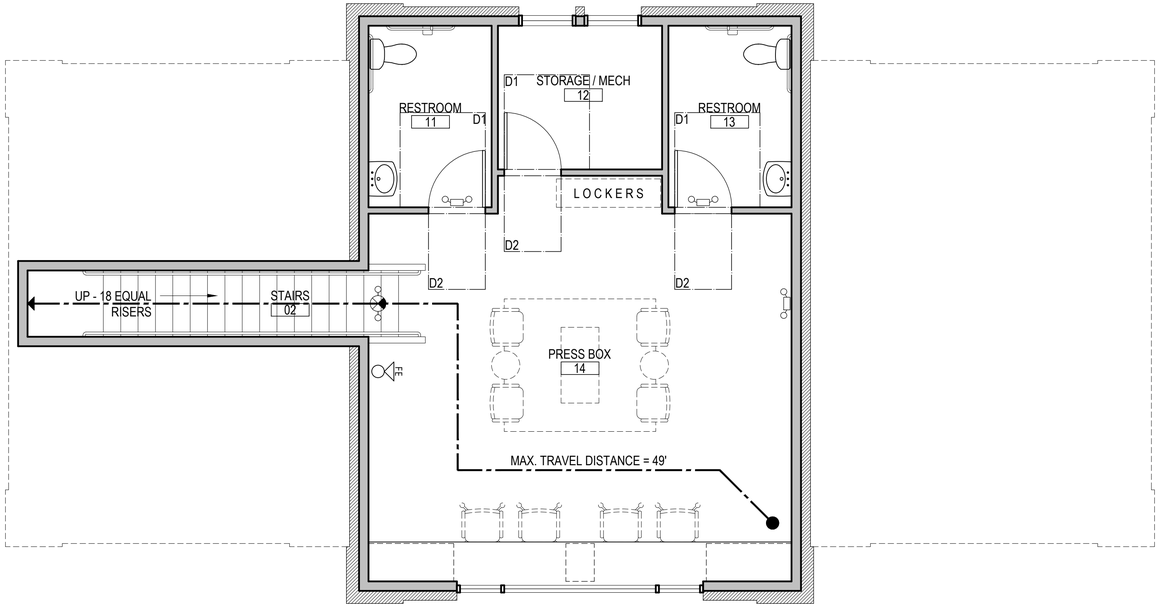
CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

1ST FLOOR LIFE SAFETY PLAN

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

G1.1

Sheet Number



1 2ND FLOOR LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

NORTH

LIFE SAFETY PLAN LEGEND & GENERAL NOTES

*** CONTINUED FROM PREVIOUS PAGE ***

PLUMBING FIXTURE COUNT - IBC CHAPTER 29, TABLE 2902.1
TOTAL OCCUPANCY SUPPORTED IS PROVIDED BELOW. 1ST FLOOR CALCULATIONS ARE BASED UPON ASSEMBLY (A-5) CLASSIFICATION, FOR OUTDOOR SPORTING EVENTS. 2ND FLOOR CALCULATIONS ARE BASED UPON A BUSINESS (B) CLASSIFICATION. A FAMILY RESTROOM IS PROVIDED ON THE FIRST FLOOR. BUILDING OFFICIAL TO CONFIRM FIXTURE COUNT IS SUFFICIENT FOR ANTICIPATED OCCUPANT LOAD FOR OUTDOOR SPORTING EVENTS.

FEMALE (1ST FLOOR):
3 WATER CLOSETS @ 1 PER 40 = 120 OCCUPANTS SUPPORTED
2 LAVATORIES @ 1 PER 150 = 300 OCCUPANTS SUPPORTED

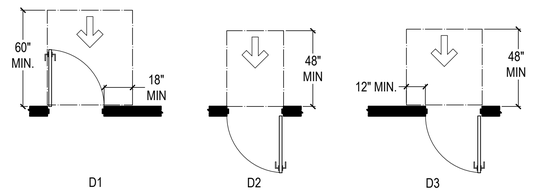
MALE (1ST FLOOR):
2 WATER CLOSETS AND 1 URINALS @ 1 PER 75 = 225 OCCUPANTS SUPPORTED
2 LAVATORIES @ 1 PER 200 = 400 OCCUPANTS SUPPORTED

FAMILY RESTROOM (1ST FLOOR):
1 WATER CLOSETS @ 1 PER 75 = 75 OCCUPANTS SUPPORTED
1 LAVATORIES @ 1 PER 200 = 200 OCCUPANTS SUPPORTED

2ND FLOOR UNISEX RESTROOMS:
2 WATER CLOSETS REQ'D VS. 2 PROVIDED
2 LAVATORIES REQ'D VS. 2 PROVIDED

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

ACCESSIBLE DOOR APPROACHES



D1
FRONT APPROACH, PULL SIDE

D2
FRONT APPROACH, PUSH SIDE

D3
FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH

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Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

2ND FLOOR LIFE SAFETY PLAN

STATE OF ALABAMA
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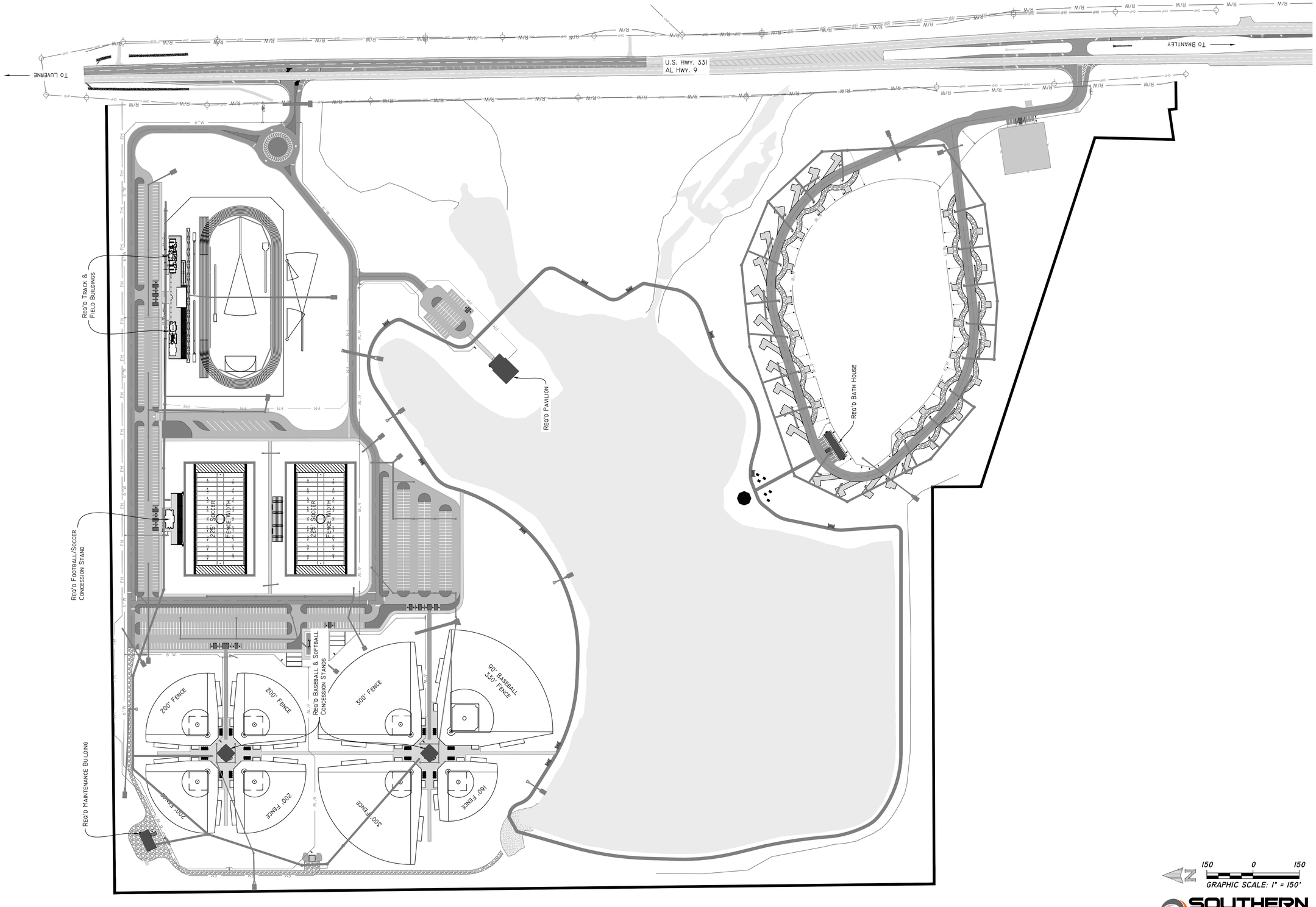
REGISTERED ARCHITECT

G1.2
Sheet Number



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Project #:
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Design By:
TMH

Project Date:
10-25-24

Revisions:
*

CRENSHAW COUNTY SPORTSPLEX
- SITE LAYOUT -
CRENSHAW COUNTY, AL

OVERALL SITE MASTER VIEW

ALABAMA LICENSED PROFESSIONAL ENGINEER
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C1.1
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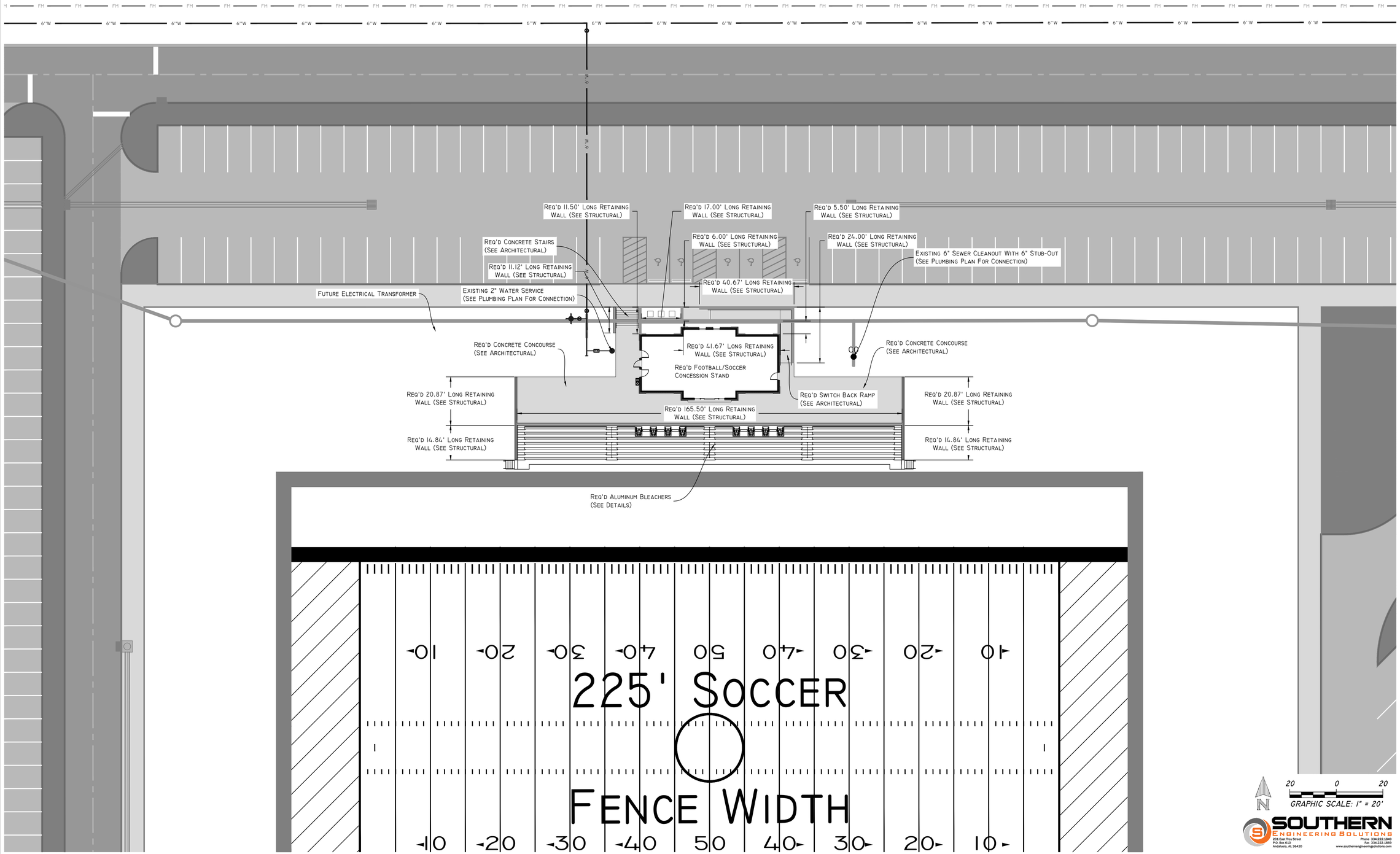

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CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL/SOCCER -
CRENSHAW COUNTY, AL

CIVIL SITE LAYOUT PLAN
FOOTBALL/SOCCER CONCESSION STAND

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 23771
10/25/24
TROY M. HUDSON

20 0 20
GRAPHIC SCALE: 1" = 20'

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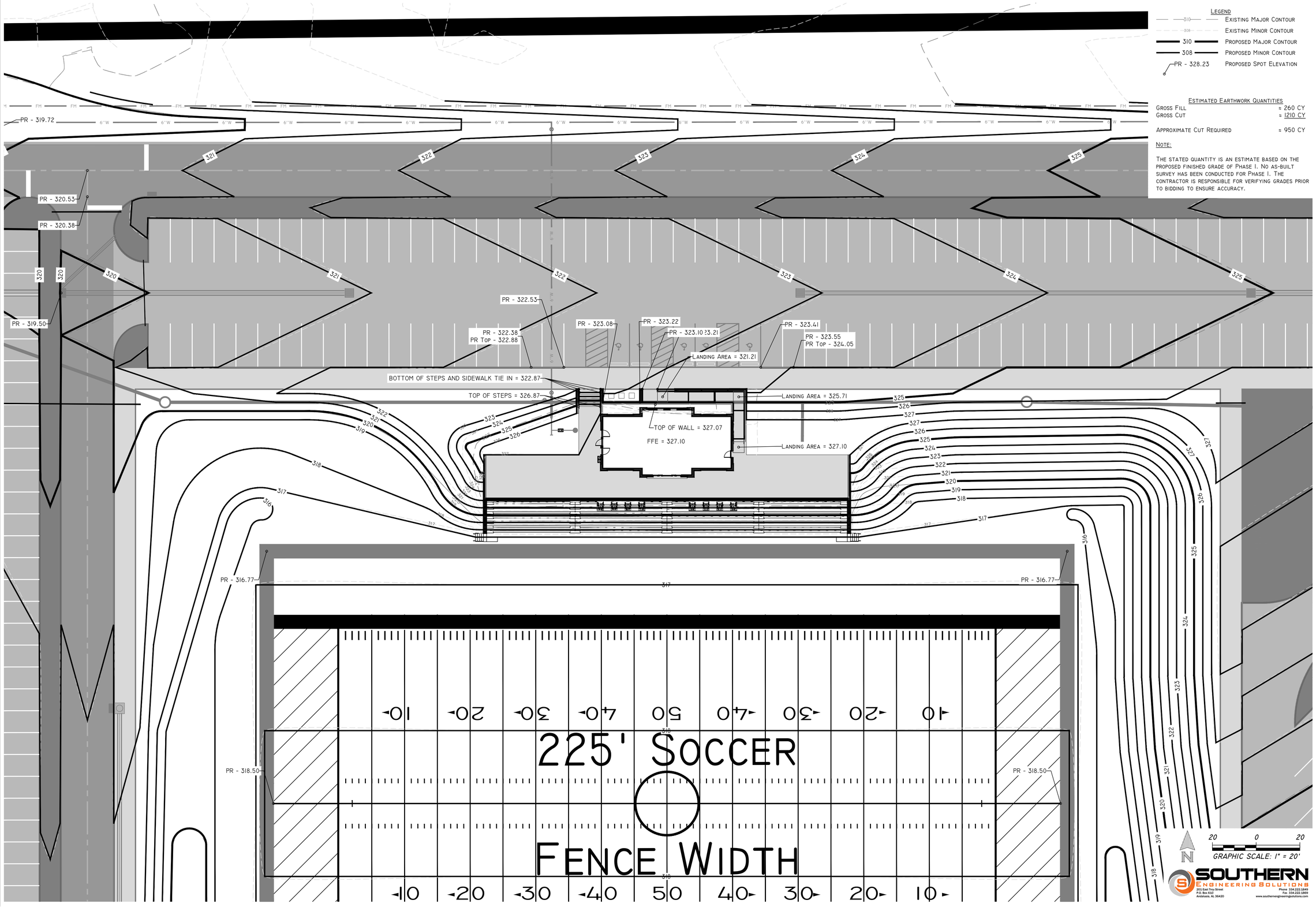
C2.8
Sheet Number



LEGEND

310	EXISTING MAJOR CONTOUR
308	EXISTING MINOR CONTOUR
310	PROPOSED MAJOR CONTOUR
308	PROPOSED MINOR CONTOUR
PR - 328.23	PROPOSED SPOT ELEVATION

ESTIMATED EARTHWORK QUANTITIES

GROSS FILL	≈ 260 CY
GROSS CUT	≈ 1210 CY
APPROXIMATE CUT REQUIRED	≈ 950 CY

NOTE:

THE STATED QUANTITY IS AN ESTIMATE BASED ON THE PROPOSED FINISHED GRADE OF PHASE I. NO AS-BUILT SURVEY HAS BEEN CONDUCTED FOR PHASE I. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADES PRIOR TO BIDDING TO ENSURE ACCURACY.

GRAPHIC SCALE: 1" = 20'

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Project Date: 10-25-24

Revisions: *

CRENSHAW COUNTY
SPORTSPLEX
- FOOTBALL/SOCCER -
CRENSHAW COUNTY, AL

CIVIL SITE GRADING PLAN
FOOTBALL/SOCCER
CONCESSION STAND

ALABAMA LICENSED
No. 23771
PROFESSIONAL ENGINEER
10/25/24
TROY M. HUDSON

C2.9
Sheet Number

GENERAL NOTES

FOUNDATIONS:

1. THE "CONTROLLED AREA" SHALL EXTEND BENEATH AND 5 FEET BEYOND THE BUILDING AREA. THE "CONTROLLED AREA" SHALL BE COMPLETELY STRIPPED AND ALL SURFACE VEGETATION, ORGANIC FILL OR TOPSOIL, DEBRIS AND ANY OTHER DELETERIOUS MATERIALS REMOVED.
2. THE SUBGRADE ELEVATIONS SHALL BE ESTABLISHED BY CONSTRUCTION OF AN ENGINEERED FILL USING SUITABLE FILL EARTH AND PLACED IN LIFTS NOT TO EXCEED 12" LOOSE MEASURE. THE SUBGRADE SHALL BE DENSIFIED TO 95% (MIN.) STANDARD DENSITY (ASTM D-698A). VERIFYING IN-PLACE DENSITY TESTS ARE REQUIRED.
3. FOOTINGS ARE SIZED FOR A SOIL BEARING VALUE OF 1500 PSF. FOUNDATIONS SHALL EXTEND TO A MINIMUM OF FROST PENETRATION DEPTH, TO A DEPTH WHERE SOIL MOISTURE CONTENT DOES NOT FLUCTUATE (WHICHEVER IS GREATER) AND A MINIMUM DEPTH OF 24" BELOW FINISHED GRADE EXTERIOR AND 18" BELOW TOP OF SLAB INTERIOR.
4. FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL REPORT FOR CRENSHAW PARK SPORTS COMPLEX, U.S. HIGHWAY 331, LUVERNE, ALABAMA BY TTL, INC, PROJECT NO. 000220201830.01, DATED APRIL 18, 2022.
5. IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM ALL FOUNDATIONS. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE FOUNDATIONS TO PREVENT SATURATION OF THE SUB-BASE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.
6. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFF-SETS, BRICK LEDGES, AND BLOCK OUTS AND ARCH. PLANS AND NOTIFY ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST.

CONCRETE:

1. CONCRETE SHALL CONFORM TO THE BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE (ACI 318).
2. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF
   F'c = 3000 PSI (MIN).
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
4. MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE:
   (A) CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ------ 3 IN.
   (B) EXPOSED TO EARTH OR WEATHER ---------- 2 IN.
5. LAP ALL CONTINUOUS REINFORCEMENT 30 BAR DIAMETER MINIMUM, UNLESS NOTED OTHERWISE. AT EXTERIOR BUILDING CORNERS, PROVIDE 3'-0" X 3'-0" CORNER BARS, SAME SIZE AND NUMBER AS DETAILED HORIZONTAL BARS.

TIMBER FRAMING AND LAMINATED VENEER BEAMS:

1. WOOD FRAMING MEMBERS SHALL BE MINIMUM NO.2 SOUTHERN YELLOW PINE OR EQUIVALENT.
   Fb = 1200 PSI E = 1,500,000 PSI
2. LAMINATED VENEER BEAMS SHALL BE VERSA LAM BY BOISE CASCADE OR EQUAL WITH THE FOLLOWING MINIMUM MATERIAL PROPERTIES:
   Fb = 2900 PSI E = 2,000,000 PSI
   AND SHALL BE INSTALLED IN ACCORDANCE WITH ALL MANF. SPECIFICATIONS.
3. WOOD I-JOISTS, WHERE NOTED ON PLAN SHALL BE SIZED AS NOTED ON PLAN OR EQUIVALENT. ALL DETAILS AND WORKMANSHIP STANDARDS SHALL CONFORM TO MANUFACTURER "TYPICAL FLOOR FRAMING" INSTALLATION NOTES AND DETAILS.
4. UNLESS OTHERWISE NOTED, ALL MEMBER CONNECTIONS SHALL HAVE STANDARD GALVANIZED METAL FRAMING ANCHORS OR CLIPS CONNECTING MEMBERS CARRYING ANY COMBINATION OF DEAD, LIVE, AND WIND LOADS.
5. THE EXTERIOR FACE OF ALL EXTERIOR STUD WALLS SHALL BE SHEATHED WITH 15/32 INCH SHEATHING RATED WOOD STRUCTURAL PANELS AND NAILED WITH 8D NAILS AT 4" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS/STUDS. PROVIDE BLOCKING AT PANEL EDGES. THE STRUCTURAL SHEATHING SHALL BE FOR THE FULL WALL HEIGHT, AND WHERE OPENINGS OCCUR, THE WALL SHALL BE ENTIRELY SHEATHED INCLUDING AREAS ABOVE AND BELOW THE OPENINGS.

PREFABRICATED WOOD TRUSSES:

1. ALL PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES AND SPECIFICATIONS TO SUPPORT ALL LIVE LOADS, DEAD LOADS, AND CONCENTRATED LOADS. TEMPORARY LATERAL BRACING (DIAGONAL AND LATERAL BRIDGING), SHALL BE DESIGNED, PROVIDED AND NOTED ON ERECTION DRAWINGS BY THE MANUFACTURER.
2. PROVIDE EAVE BRACING DETAILS, ETC. AS REQUIRED TO INSURE PLUMB, LEVEL STRUCTURAL BASE FOR EAVE TRIM AND CORNICE. NO TWISTING OR WARPING OF TRUSS ENDS WILL BE ACCEPTED PRIOR TO INSTALLATION OF CORNICE AND TRIM.
3. ALL TRUSSES SHALL BE DESIGNED AND ANCHORED TO WITHSTAND THE NOTED WIND LOADS. THE ROOF TRUSSES SHALL BE DESIGNED AND ANCHORED FOR THE FOLLOWING LOADS:
   TOP CHORD LIVE LOAD = 20 PSF
   TOP CHORD DEAD LOAD = 10 PSF
   BOTTOM CHORD LIVE LOAD = 10 PSF
   BOTTOM CHORD DEAD LOAD = 15 PSF
   ROOF WIND PRESSURE = AS PER IBC
   NET WIND UPLIFT = 20 PSF MIN.
4. VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY ARCHITECT/ENGINEER OF ANY REQUIRED MODIFICATIONS.
5. SUBMIT DESIGN DRAWINGS AND CALCULATIONS BEARING THE REGISTERED PROFESSIONAL ENGINEER'S SEAL OF THE DESIGN ENGINEER.

SHOP DRAWINGS:

SUBMIT FOR REVIEW TO THE ARCHITECT/ENGINEER, IN ACCORDANCE WITH SPECIFICATIONS AS FOLLOWS:

1. PLACING PLANS AND DETAILS OF CONCRETE REINFORCEMENT IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL (ACI 315).
2. LAYOUT AND DETAILS OF ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL. ALL SUBMITTALS SHALL BEAR THE APPROVAL STAMP OF THE CONTRACTOR VERIFYING THAT DIMENSIONS AND DETAILS COMPLY WITH THE EXISTING CONDITIONS AND CONTRACT DRAWINGS.

DESIGN LOADS:

ROOF LIVE LOAD ---------- 20 PSF
CEILING WITH STORAGE ---------- 20 PSF
CEILING WITHOUT STORAGE ---------- 10 PSF
1ST FLOOR LIVE LOADS ---------- 100 PSF
2ND FLOOR LIVE LOADS ---------- 40 PSF

WIND LOAD (ASCE 7-16):

BASIC WIND VELOCITY ---------- 120 MPH (3 SEC. GUST)
OCCUPANCY CATEGORY ---------- II
WIND IMPORTANCE FACTOR ---------- 1.00
WIND EXPOSURE ---------- C
INTERNAL PRESSURE COEFFICIENTS ----- -0.18/+0.18

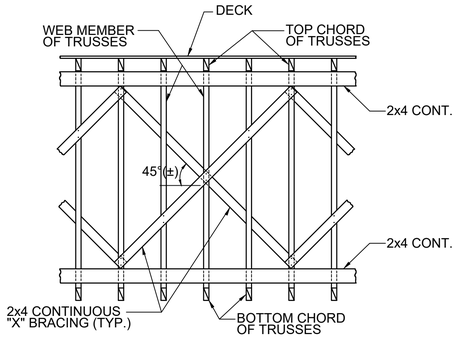
APPLICABLE CODES AND SPECIFICATIONS

INTERNATIONAL BUILDING CODE
AMERICAN CONCRETE INSTITUTE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
AMERICAN IRON AND STEEL INSTITUTE
AMERICAN SOCIETY OF TESTING AND MATERIALS
AMERICAN WELDING SOCIETY
NATIONAL CONCRETE MASONRY ASSOCIATION

WIND DESIGN LOADS FOR WINDOWS AND OTHER COMPONENTS AND CLADDING (ASCE 7-16)

ZONE	EFFECTIVE WIND AREA (FT^2)	120 MPH 3 SEC. GUST DESIGN PRESSURE (PSF) + (INWARD)[1]	- (OUTWARD)[2]
ZONE 4[3] (TYPICAL WALL)	10	+ 34.7	- 37.7
	50	+ 31.1	- 34.0
	200	+ 28.0	- 30.9
	500	+ 25.9	- 28.8
ZONE 5[4] (WALL CORNERS)	10	+ 34.7	- 46.5
	50	+ 31.1	- 39.2
	200	+ 28.0	- 33.0
	500	+ 25.9	- 28.8

NOTES:
1. + POSITIVE PRESSURE, ACTING TOWARDS THE BUILDING SURFACE
2. - NEGATIVE PRESSURE, ACTING AWAY FROM THE BUILDING SURFACE
3. ZONE 4-TYPICAL WALL SURFACE EXCLUDING EXTERIOR CORNER AREAS
4. ZONE 5-WALL SURFACE AREAS WITHIN 4'-6" OF EXTERIOR BUILDINGS



TYPICAL DIAGONAL BRACING

LINTEL SCHEDULE

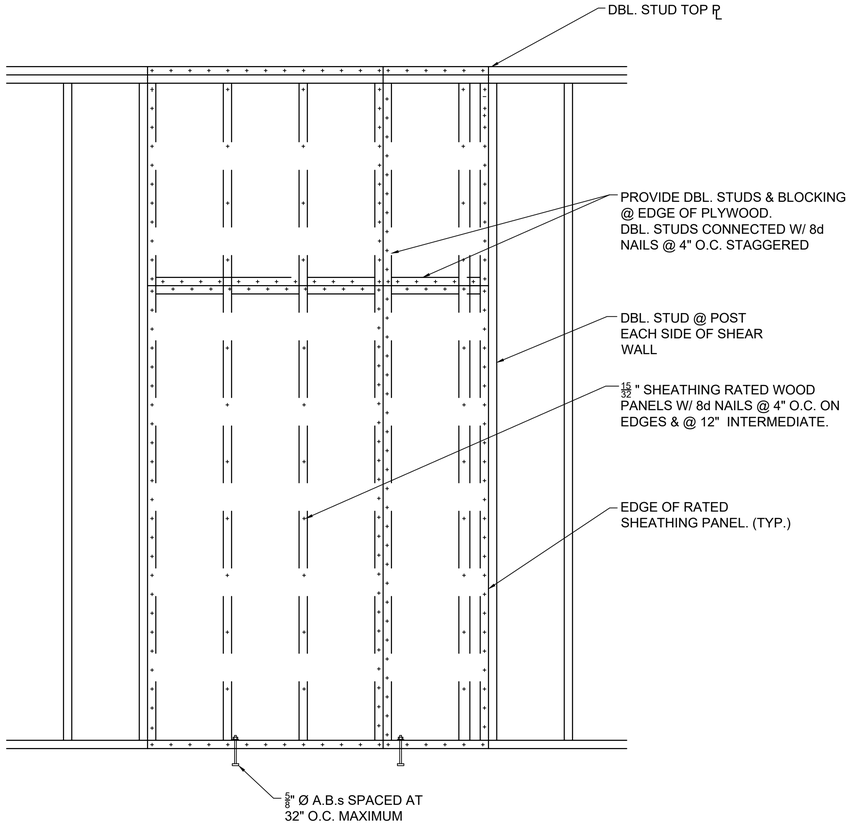
MARK	WALL CONST.	MAX. OPENING	DESCRIPTION	REMARKS
L-1	BRICK VENEER	4'-0"	LOOSE L 4x4x$\frac{1}{4}$	
L-2	BRICK VENEER	8'-0"	LOOSE L 6x4x$\frac{5}{16}$	
L-3	BRICK VENEER	13'-0"	LOOSE L 7x4x$\frac{3}{8}$	

NOTES: 1. BEAR LOOSE AND ATTACHED ANGLES 8" MIN. EA. END.
2. WHERE OPENINGS OCCUR AND LINTELS ARE NOT CALLED-OUT CHOOSE FROM SCHEDULE.

HEADER SCHEDULE

MARK	WALL CONST.	MAX. OPENING	DESCRIPTION	REMARKS
H-1	WOOD STUDS	4'-0"	3-2x8s	LOAD BEARING WALL
H-2	WOOD STUDS	4'-0"	3-2x10s	2ND FLOOR BEARING WALL
H-3	WOOD STUDS	13'-0"	3-2x12s	EXTERIOR WALL

NOTES: 1. WHERE OPENINGS OCCUR AND HEADERS ARE NOT CALLED-OUT ON PLANS, SELECT HEADERS FROM ABOVE SCHEDULE USING WALL CONSTRUCTION AND MAXIMUM OPENING AS CRITERIA.
2. 2 JACK STUDS & 2 KING STUDS MINIMUM ON ALL LOAD-BEARING WALL HEADERS.



DETAIL 1/S0.1 NTS — TYPICAL SHEARWALL FRAMING

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(334)273-8733

Project #: 22-42
Design By: RAS
Project Date: 03-04-25
Revisions:

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CRENSHAW COUNTY, AL

GENERAL NOTES

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

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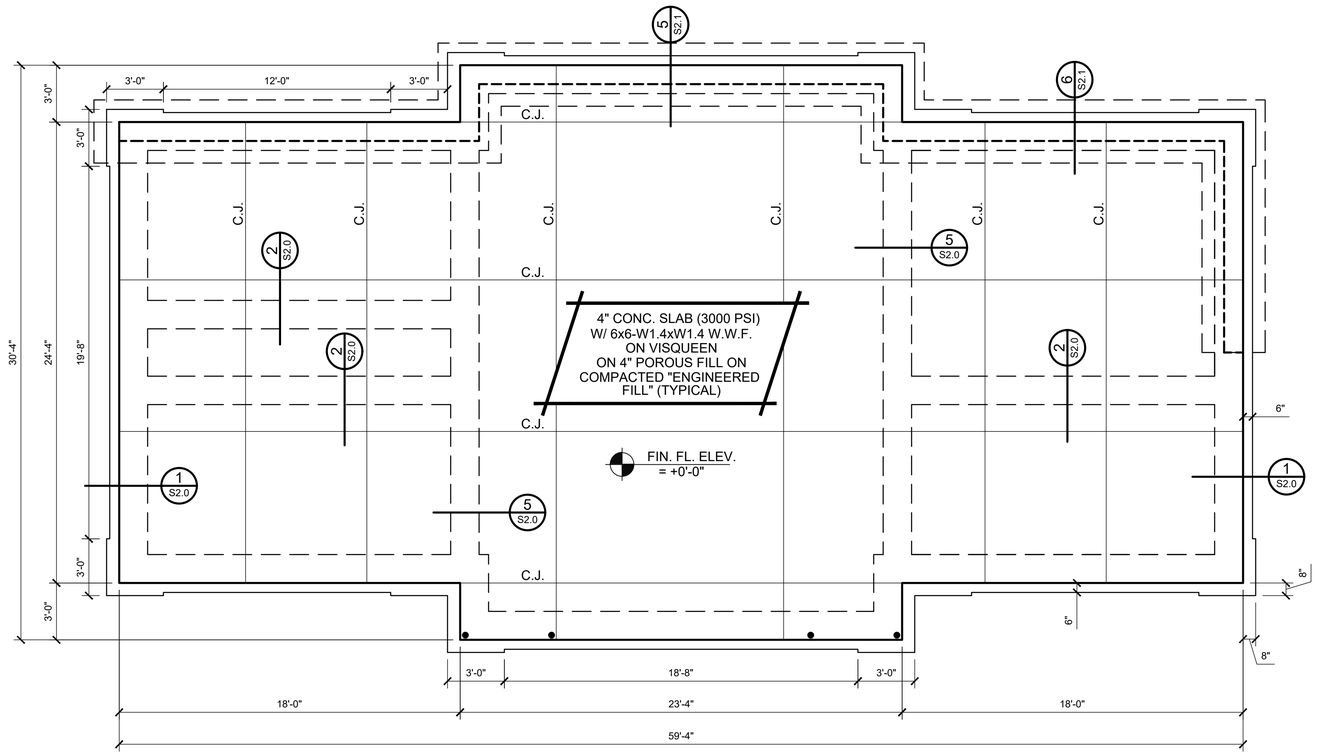
S0.1
Sheet Number



FOUNDATION PLAN

1/4" = 1'-0"

NOTES:
1. SEE SHEET S0.1 FOR DETAILS & NOTES.
2. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.

● - FND. HOLD-DOWN : HDU2-SDS2.5

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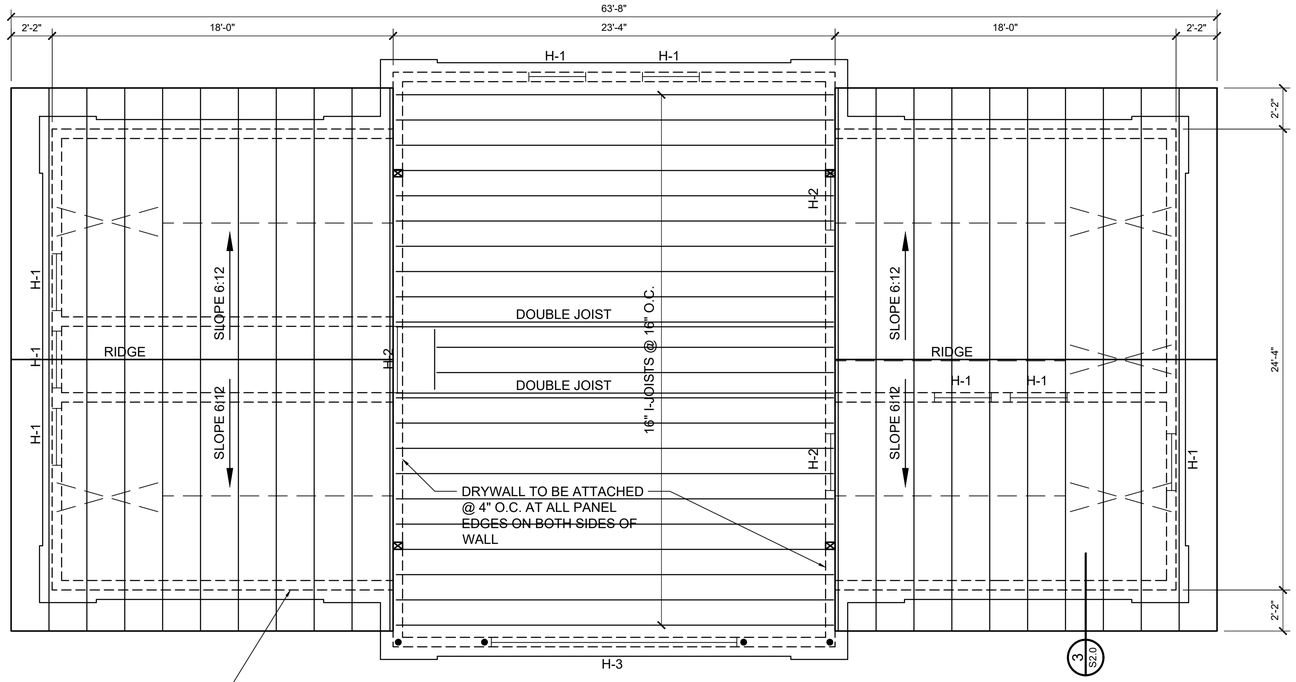
FOUNDATION PLAN

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

S1.0

Sheet Number



2ND FLOOR FRAMING PLAN

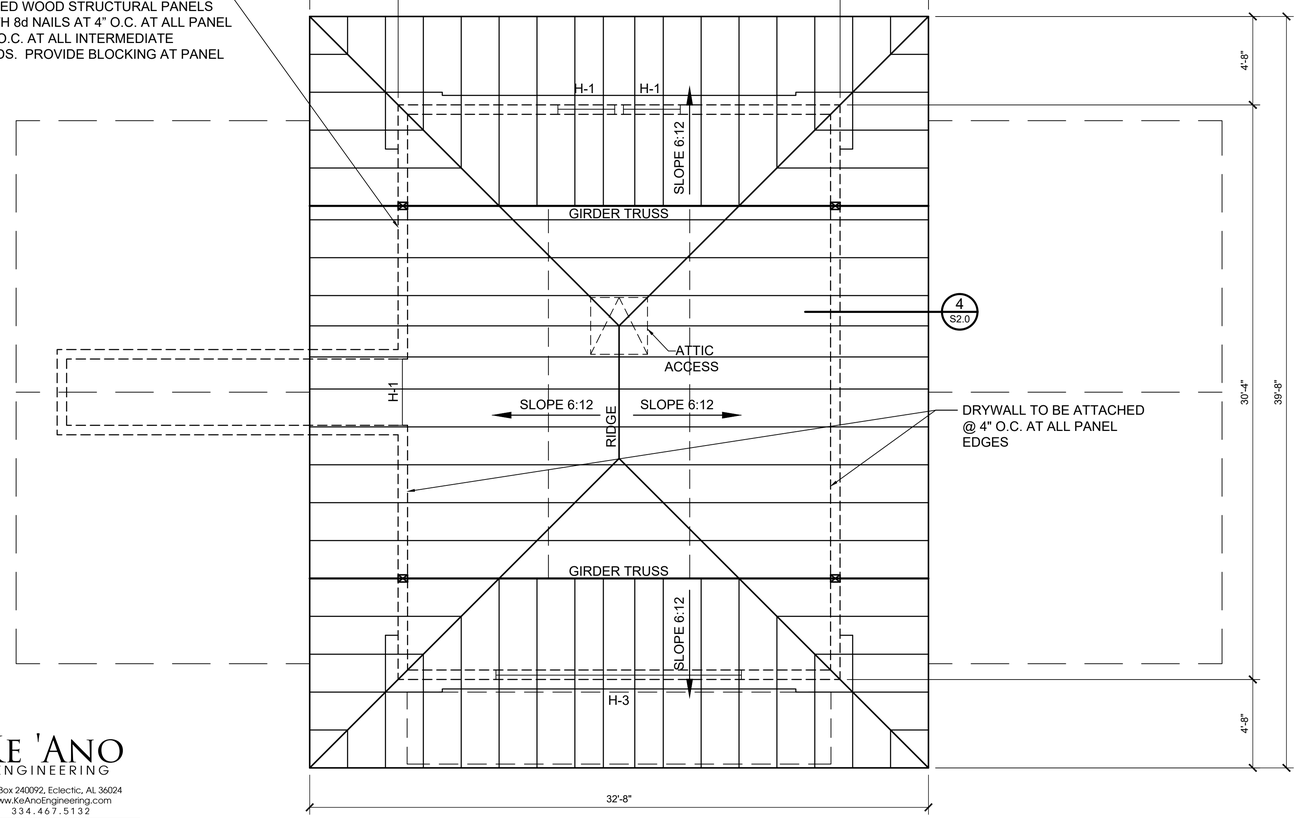
1/4" = 1'-0"

☒ - 3 - 2x STUD PKG (U.N.O.)

● - 2ND FLOOR HOLD-DOWN : DTT2Z-SDS2.5
- FND. HOLD-DOWN : HDU2-SDS2.5

NOTES:
1. 16" I-JOISTS @ 16" O.C.
2. JOIST BEARING ELEVATION = +9'-0" AFF
3. STUD PKG MATERIAL SHALL MATCH THAT OF APPROPRIATE WALL TYPE.
4. ALL CONNECTIONS NOT NOTED SHALL MEET MINIMUM INTERNATIONAL BUILDING CODE REQUIREMENTS.
5. SEE SHEET S0.1 FOR NOTES & DETAILS.
6. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.
7. EXTERIOR AND LOAD-BRNG WALLS SHALL BE 2x6s @ 16" O.C.

THE EXTERIOR FACE OF ALL EXTERIOR STUD WALLS SHALL BE SHEATHED WITH 1/2 INCH SHEATHING RATED WOOD STRUCTURAL PANELS AND NAILED WITH 8d NAILS AT 4" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS/STUDS. PROVIDE BLOCKING AT PANEL EDGES.



ROOF FRAMING PLAN

1/4" = 1'-0"

☒ - 3 - 2x STUD PKG (U.N.O.)

NOTES:
1. PRE-ENGINEERED WOOD TRUSSES @ 24" O.C.
2. TRUSS BEARING ELEVATION = +20'-8" AFF
3. TRUSSES SHALL HAVE BOTTOM CHORD BRACING @ 8'-0" O.C.
4. TRUSSES SHALL HAVE DIAGONAL BRACING FOR 8'-0" MINIMUM FROM GABLE END U.N.O.
5. EACH TRUSS SHALL HAVE 500 LB CAPACITY HURRICANE TIE OR EQUIV. AT EACH BEARING.
6. ALL CONNECTIONS NOT NOTED SHALL MEET MINIMUM INTERNATIONAL BUILDING CODE REQUIREMENTS.
7. ROOF SHALL BE SHEATHED WITH $\frac{7}{16}$" STRUCTURAL WOOD SHEATHING MINIMUM.
8. SEE SHEET S0.1 FOR NOTES & DETAILS.
9. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.
10. EXTERIOR AND LOAD-BRNG WALLS SHALL BE 2x6s @ 16" O.C.

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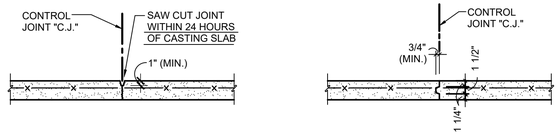
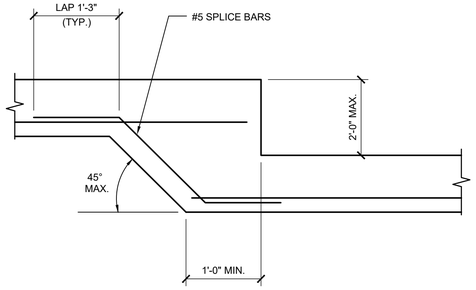
2ND FLOOR AND ROOF FRAMING PLAN

ALABAMA LICENSED No. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

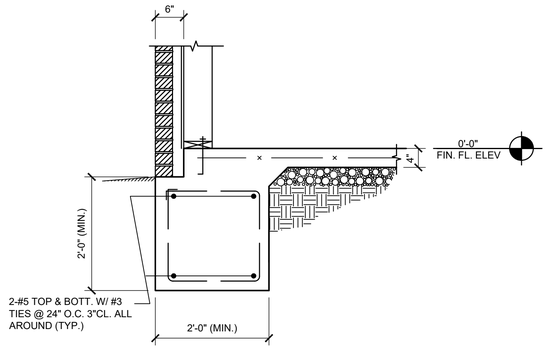
S1.1
Sheet Number



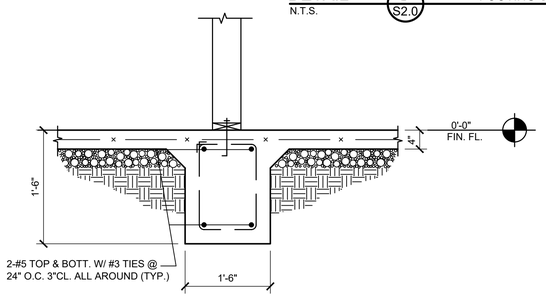
DETAIL A S2.0 — ALTERNATE CONTROL JOINT DETAILS
N.T.S.



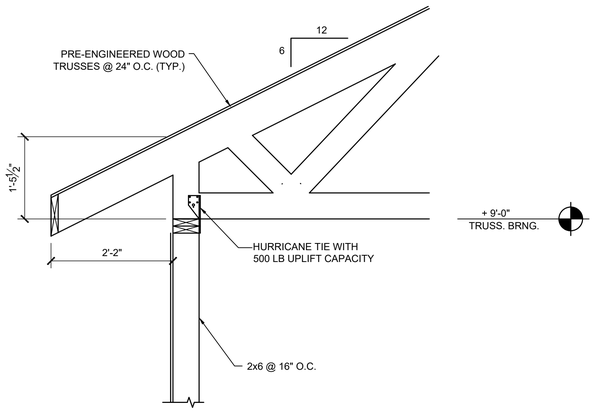
DETAIL B S2.0 — FOOTING STEP
N.T.S.



SECTION 1 S2.0 — TYP. EXTERIOR FOOTING
3/4"=1'-0"



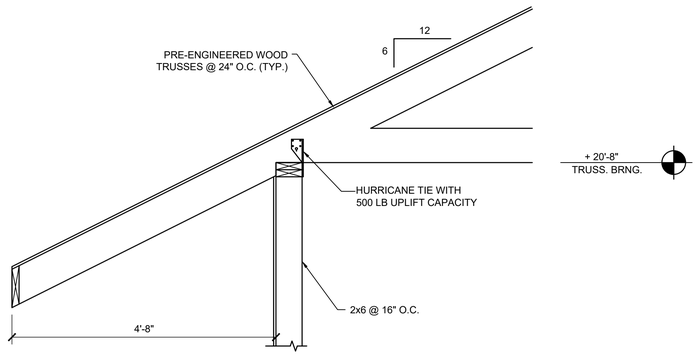
SECTION 2 S2.0 — TYP. INTERIOR FOOTING
3/4"=1'-0"



SECTION 3 S2.0 — TYP. 1ST FLOOR TRUSS BEARING
3/4"=1'-0"

SECTION 5 S2.0 — WIDE INTERIOR FOOTING
3/4"=1'-0"

DETAIL C S2.0 — TYP. POURED CONC. STAIRS
3/4"=1'-0"



SECTION 4 S2.0 — TYP. 2ND FLOOR TRUSS BEARING
3/4"=1'-0"

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RAS

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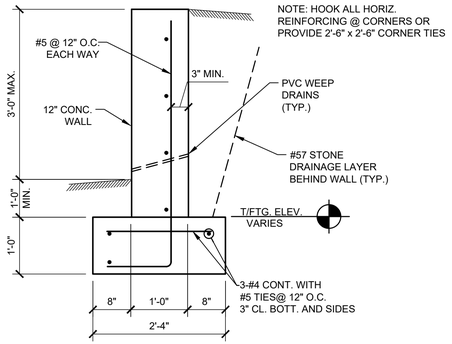
SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

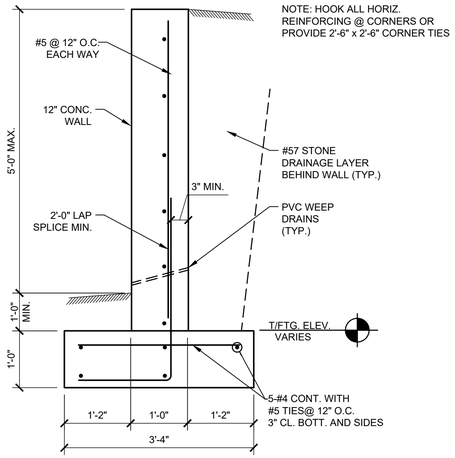
STRUCTURAL DETAILS

ALABAMA LICENSED
NO. 29633
PROFESSIONAL
ENGINEER
REBECCA ANN SEALS

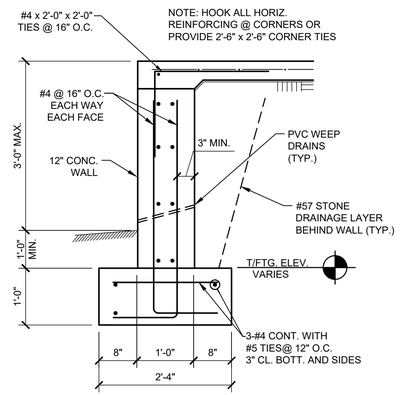
S2.0
Sheet Number



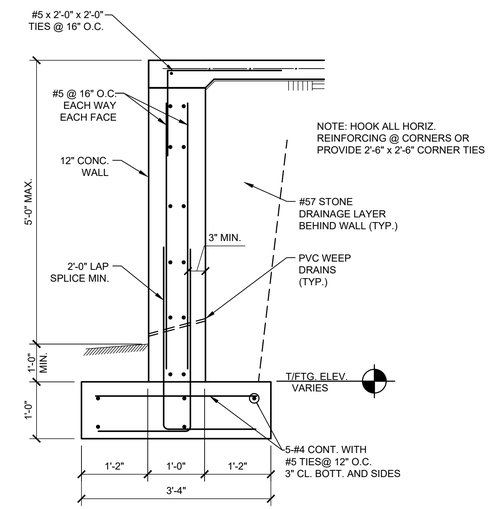
SECTION 1 S2.1 — 3'-0" MAX UNRESTRAINED RETAINING WALL
3/4"=1'-0"



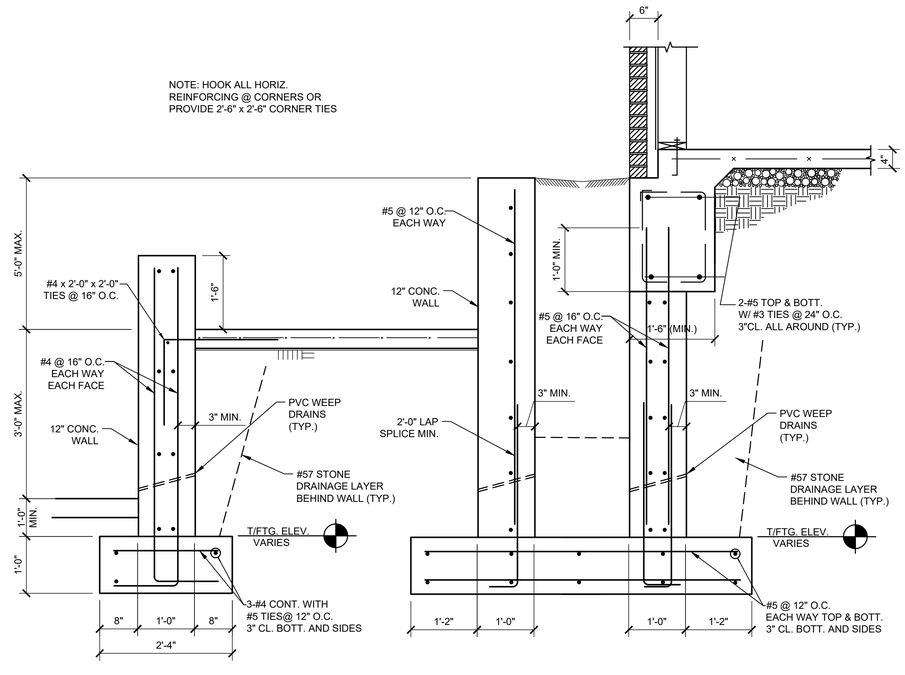
SECTION 2 S2.1 — 5'-0" MAX UNRESTRAINED RETAINING WALL
3/4"=1'-0"



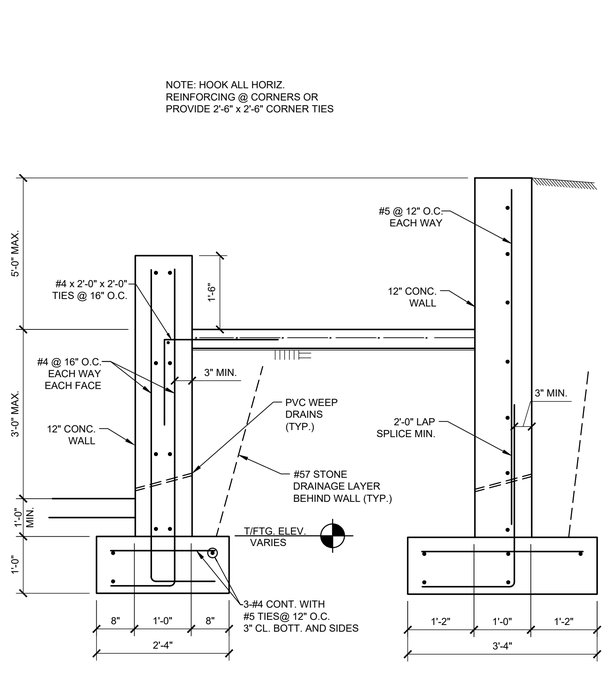
SECTION 3 S2.1 — 3'-0" MAX RESTRAINED RETAINING WALL
3/4"=1'-0"



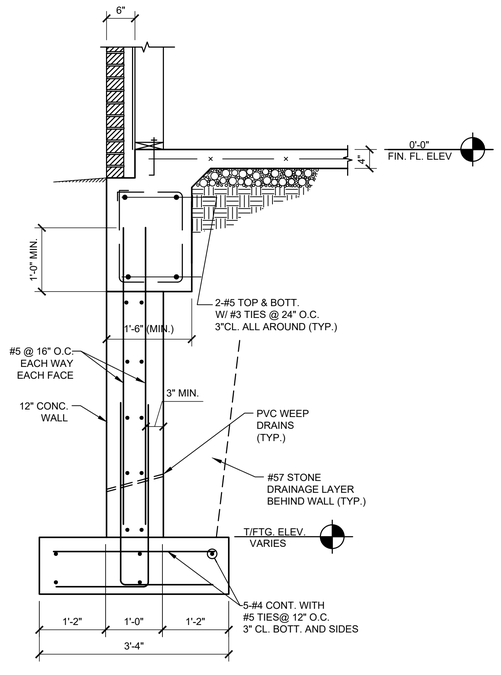
SECTION 4 S2.1 — 5'-0" MAX RESTRAINED RETAINING WALL
3/4"=1'-0"



SECTION 5 S2.1 — 5'-0" MAX UNRESTRAINED RETAINING WALL
3/4"=1'-0"



SECTION 6 S2.1 — 5'-0" MAX UNRESTRAINED RETAINING WALL
3/4"=1'-0"



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RETAINING WALL DETAILS

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

S2.1
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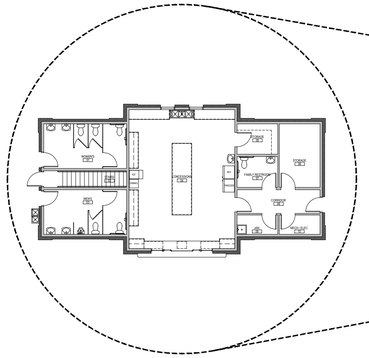
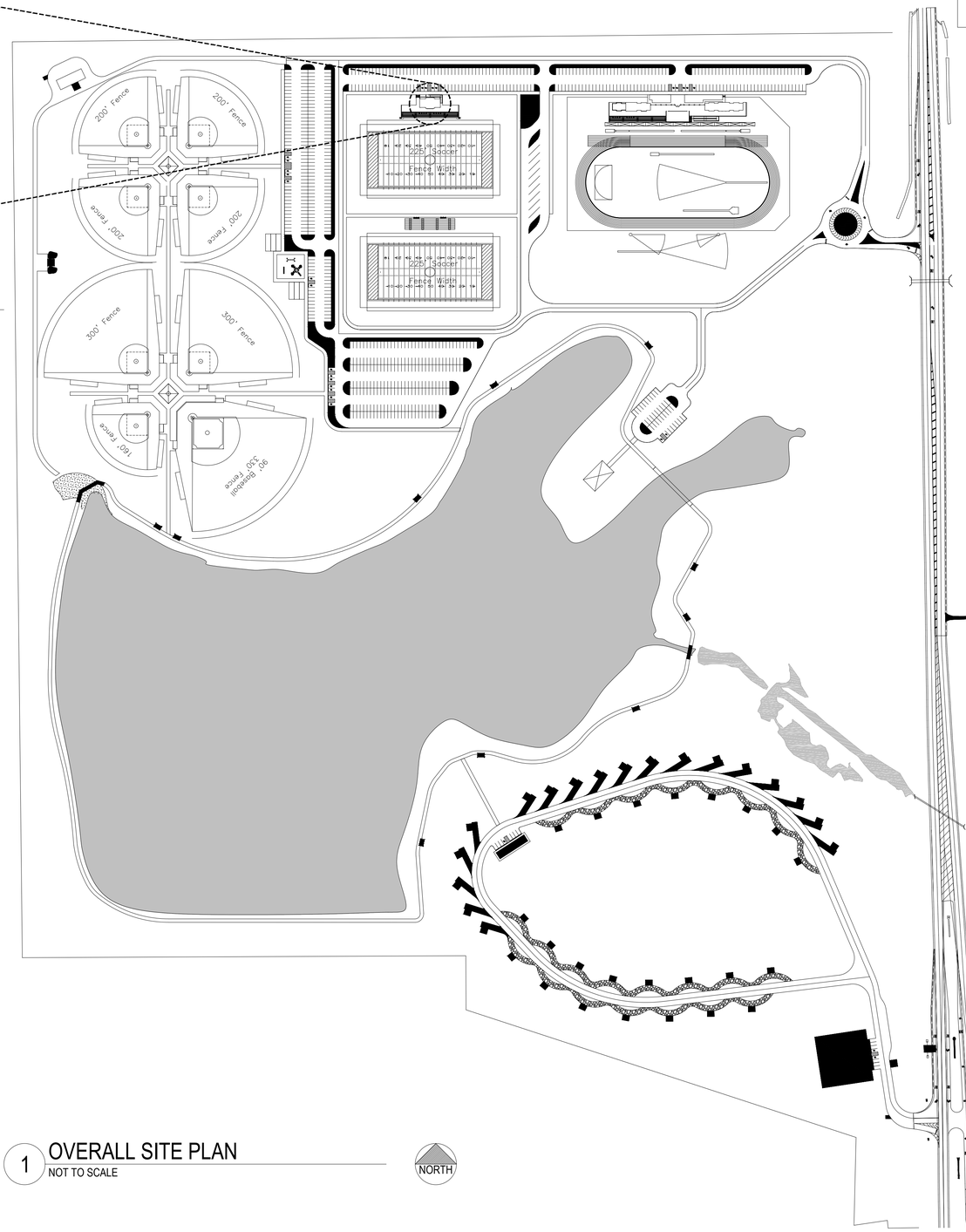


2 FOOTBALL / SOCCER CONCESSION ORIENTATION
NOT TO SCALE



1 OVERALL SITE PLAN
NOT TO SCALE

SITE PLAN GENERAL NOTES

SITE PLAN SHOWS THE GENERAL LOCATION AND ORIENTATION OF THE BUILDINGS. SEE CIVIL DRAWINGS FOR MORE DETAILS, INCLUDING FINISH FLOOR ELEVATION, LANDSCAPING, GRADING, CONNECTION TO UTILITIES, RETAINING WALLS, ETC. SEE STRUCTURAL FOR DETAILS OF RETAINING WALLS. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.

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Design By:
JBP, DJB, & JHF

Project Date:
10-25-24

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CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

ARCHITECTURAL SITE PLAN

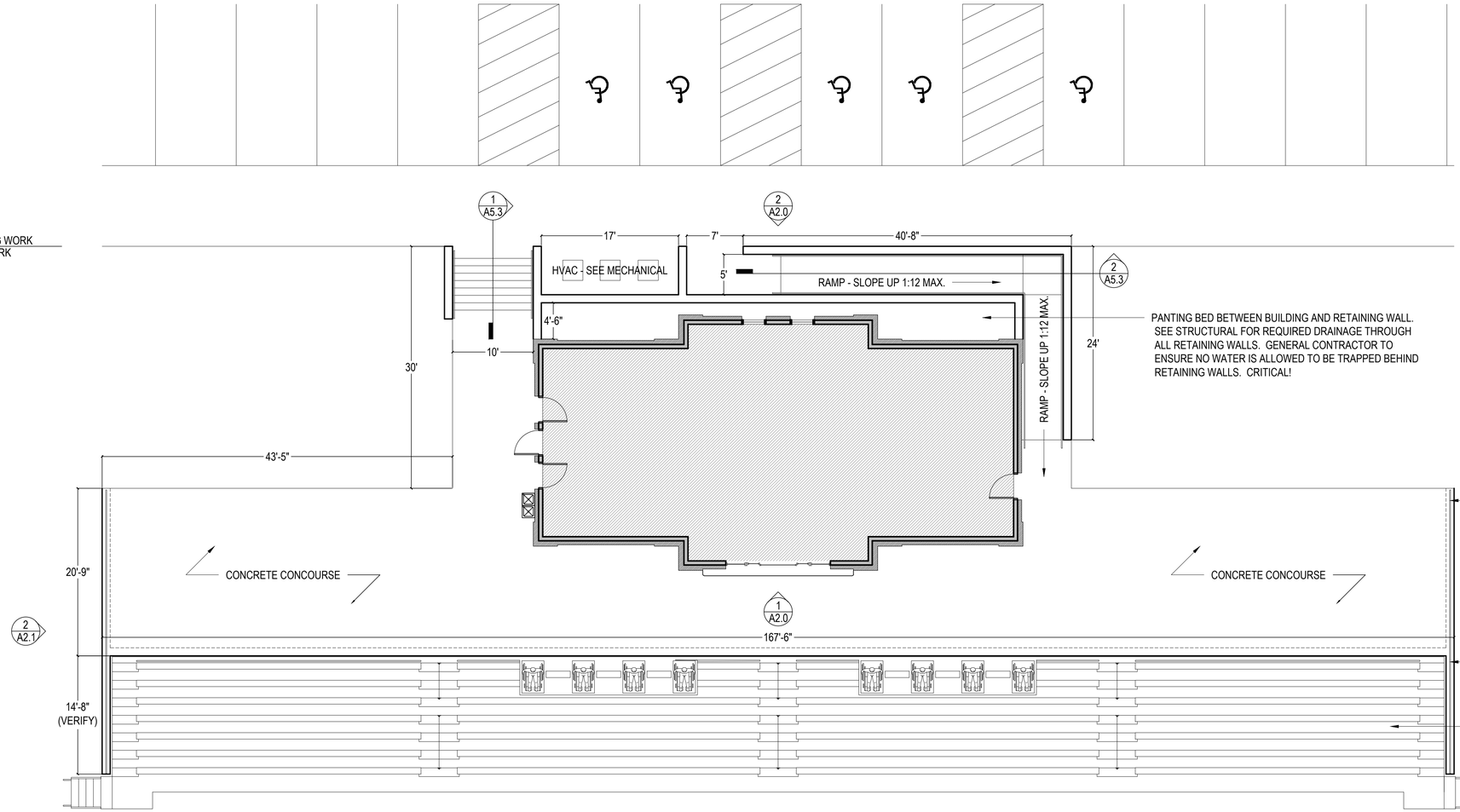
STATE OF ALABAMA
MONTGOMERY
JOHN H. FOSHEE
7002
ALABAMA
REGISTERED ARCHITECT

A0.1
Sheet Number

SITE PLAN GENERAL NOTES

ARCHITECTURAL SITE PLAN IS DIAGRAMMATIC IN NATURE AND TO BE USED FOR COORDINATION ONLY. SEE CIVIL AND STRUCTURAL FOR MORE INFORMATION REGARDING DIMENSIONS, RETAINING WALLS, AND DETAILS. GENERAL CONTRACTOR TO REQUEST ANY ADDITIONAL INFORMATION NECESSARY TO COMPLETE THE WORK, PRIOR TO SUBMITTING A BID.

GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE SIDEWALKS AND HARDSCAPES AROUND THE BUILDING. ALL FLATWORK TO SLOPE AWAY FROM BUILDING AT A MAXIMUM OF 1:48. AN ACCESSIBLE ROUTE TO BE PROVIDED TO ALL DOORWAYS. FLATWORK TO CREATE A LEVEL LANDING ON BOTH SIDES OF ALL DOORS. ALL DOORWAYS TO BE ADA ACCESSIBLE. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. CRITICAL!



THE FOLLOWING MANUFACTURER IS FAMILIAR WITH THE PROJECT, THOUGH ANY QUALIFIED MANUFACTURER MAY PERFORM THE WORK:

OUTDOOR ALUMINUM, INC.
LEE WATSON
(334)684-2296 OFFICE
(334)248-2779 CELL
LWATSON@OUTDOORALUMINUM.COM

1 COMPOSITE SITE PLAN

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

0 4' 8' 16'

NORTH

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COMPOSITE SITE PLAN

STATE OF ALABAMA
MONTGOMERY
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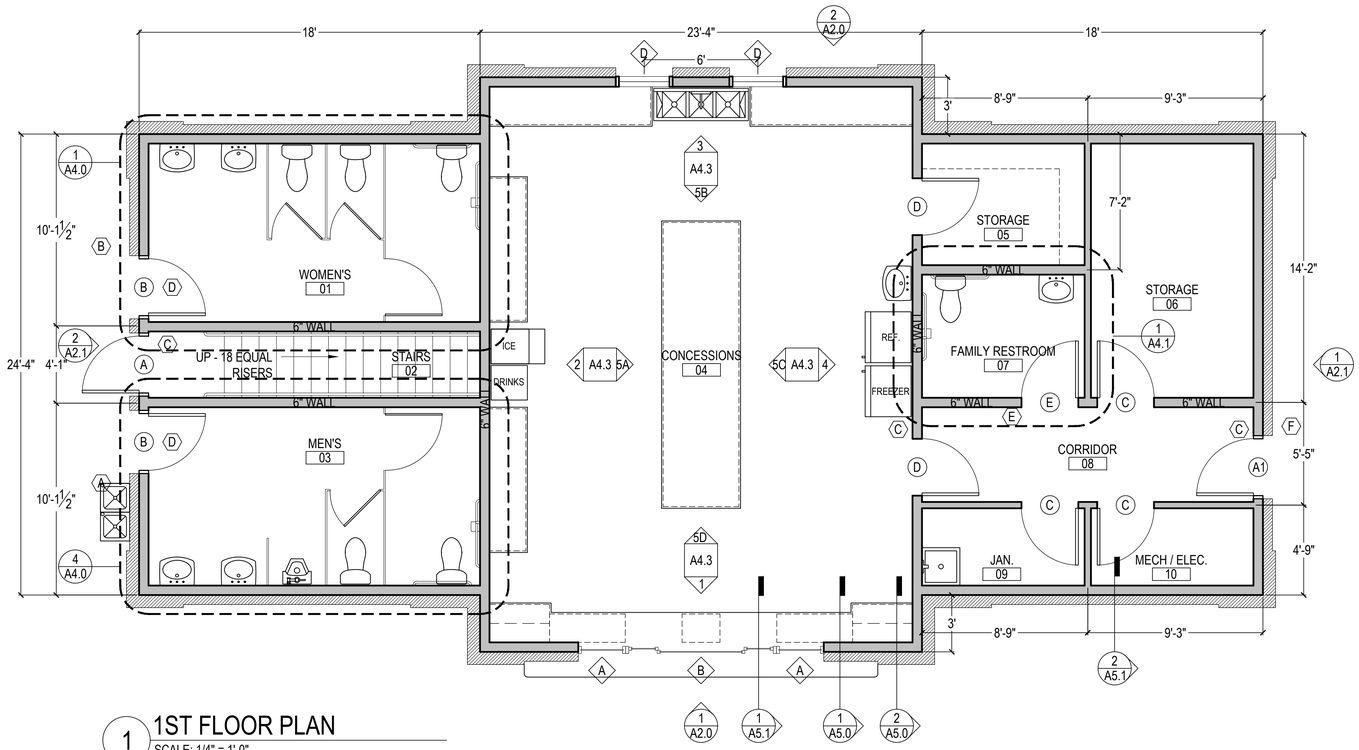
REGISTERED ARCHITECT

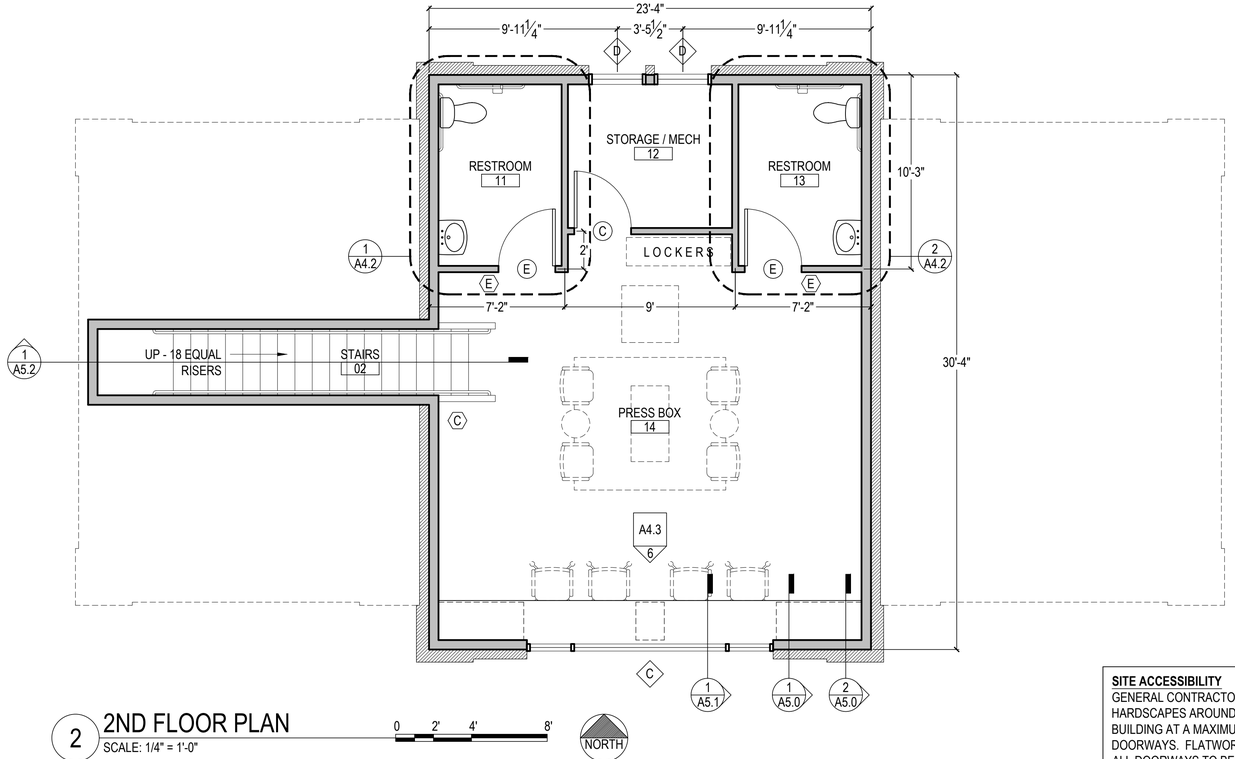
A0.2

Sheet Number



1 1ST FLOOR PLAN

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



2 2ND FLOOR PLAN

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

SITE ACCESSIBILITY

GENERAL CONTRACTOR IS RESPONSIBLE FOR CONCRETE SIDEWALKS AND HARDSCAPES AROUND THE BUILDING. ALL FLATWORK TO SLOPE AWAY FROM BUILDING AT A MAXIMUM OF 1:48. AN ACCESSIBLE ROUTE TO BE PROVIDED TO ALL DOORWAYS. FLATWORK TO CREATE A LEVEL LANDING ON BOTH SIDES OF ALL DOORS. ALL DOORWAYS TO BE ADA ACCESSIBLE. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. CRITICAL! SEE SHEET A0.2.

FLOOR PLAN LEGEND & GENERAL NOTES

PRIOR TO CONSTRUCTION, THE OWNER AND/OR GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING PROPER REVIEW AND APPROVAL OF THE DRAWINGS BY ANY AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO ANY BUILDING OFFICIALS. THESE DRAWINGS ARE NOT TO BE CONSTRUED AS AUTHORIZATION NOT TO COMPLY WITH THE BUILDING CODE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE BUILDING CODE.

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

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

A — DOOR TAG — SEE SHEET A4.5

A — SIGNAGE TAG — SEE SHEET A4.5

B — WINDOW TAG — SEE SHEET A4.5

LIVING / 01 — NAME / NUMBER — ROOM NAME & NUMBER TAG

1 / A1.1 — DETAIL / SHEET — ELEVATION TAG (SEE SHEET AND DETAIL AS NOTED)

1 / A1.1 — DETAIL / SHEET — SECTION TAG (SEE SHEET AND DETAIL AS NOTED. SECTION MAY BE STEPPED AS NEEDED TO SHOW PARTICULAR DETAILS OF THE BLDG.)

1 / 4 A4.0 2 / 3 — DETAIL / SHEET — INTERIOR ELEVATION TAG (SEE SHEET AND DETAIL AS NOTED)

1 / A1.0 — DETAIL / SHEET — DETAIL TAG (SEE SHEET AND DETAIL AS NOTED)

SIDE HINGED SWING DOOR (TYPICAL) - DOOR OPENING IS 4" FROM FACE OF STUD OF ADJ., PERPENDICULAR WALL UNLESS DIMENSIONED OTHERWISE OR SHOWN CENTERED.

3' — DIMENSION (TO FACE OF GIRTS / FRAMING AND CENTER OF WINDOW / DOOR UNLESS NOTED OTHERWISE)

16" DEEP COATED WIRE CLOSET SHELVING. WHERE 1 SHELF (1SH) IS NOTED, IT IS TO BE AT 72" AFF. WHERE 2 SHELVES (2SH) ARE NOTED, THEY ARE TO BE 42" & 84" AFF. WHERE 3 SHELVES (3SH) ARE NOTED, THEY ARE TO BE AT 24", 48", AND 72" AFF.

2'X2' FLOOR MOUNTED MOP SINK

ADA STANDING HEIGHT & WHEELCHAIR HEIGHT WATER COOLER, WITH CANE DETECTION

COUNTERTOP
WALL CABINET
BASE CABINET

WINDOW — WINDOW (SEE A4.5)

ADA WALL MOUNTED PORCELAIN HAND WASH SINK

ADA FLOOR MOUNTED PORCELAIN ELONGATED BOWL TOILET (FLUSH CONTROL IS TO BE LOCATED ON OPEN SIDE)

THREE COMPARTMENT SINK - SEE PLUMBING

WALLS

WOOD FRAMED WALL NOTES:

1. EXTERIOR WALLS ARE TO BE 2x6 WOOD STUD FRAMED WITH R-20 BATT INSULATION AND 5/8" GYPSUM BOARD ON INTERIOR SIDE, EXCEPT WHERE IDENTIFIED OTHERWISE.
2. INTERIOR WALLS ARE TO BE 2x4 WOOD STUD FRAMED WITH 5/8" GYPSUM BOARD ON BOTH SIDES, EXCEPT WHERE IDENTIFIED OTHERWISE. WALL CAVITY BETWEEN INTERIOR WALLS TO BE FILLED WITH MIN. R-13 BATT INSULATION UNLESS NOTED OTHERWISE.
3. PROVIDE 2X BLOCKING IN WALLS TO SUPPORT WALL MOUNTED ITEMS AND ASSOCIATED LIVE LOADS INCLUDING BUT NOT LIMITED TO WALL CABINETS AND CLOSET SHELVING. ITEMS ARE NOT TO BE SECURED IN GYPSUM BOARD ALONE.
4. GYPSUM BOARD IS TO BE FINISHED TO LEVEL 4.
5. SEAL ALL PENETRATIONS OF EXTERIOR WALL STRUCTURAL SHEATHING AND GYPSUM BOARD. SEALING PRODUCT CAN BE OF ANY MATERIAL FOR COMMERCIAL USE & ACCEPTABLE TO AHJ INCLUDING CAULK AND SPRAY FOAM.
6. ANY WOOD FRAMING IN DIRECT CONTACT WITH CONCRETE, MASONRY, OR EARTH IS TO BE PRESSURE TREATED.

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CONCESSION STAND
- FLOOR PLANS -

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MONTGOMERY
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A1.0

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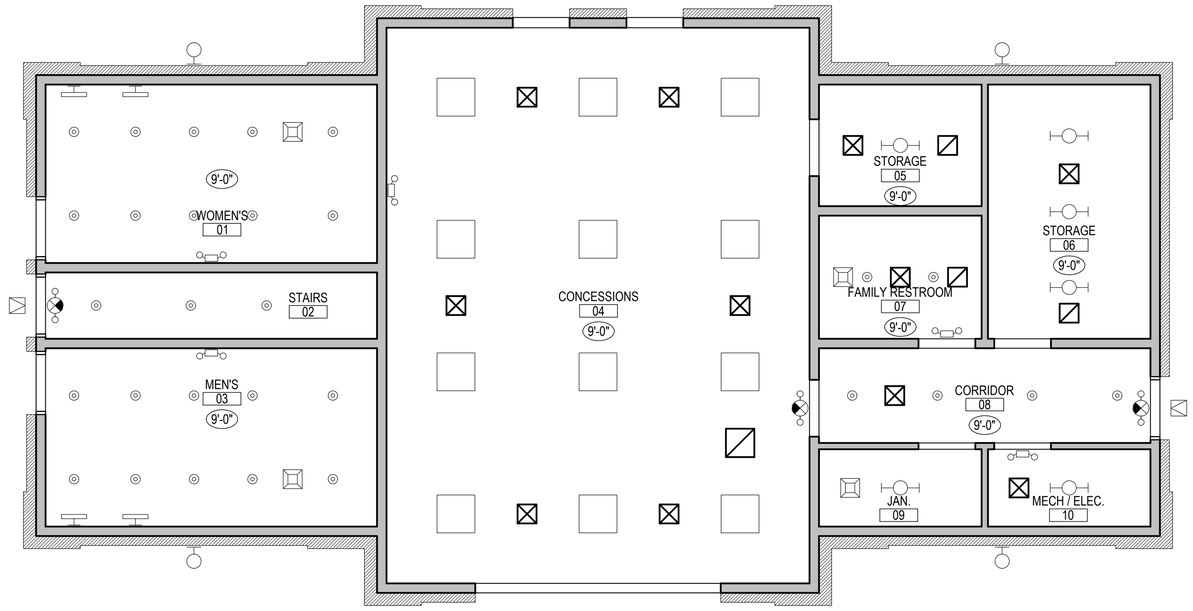
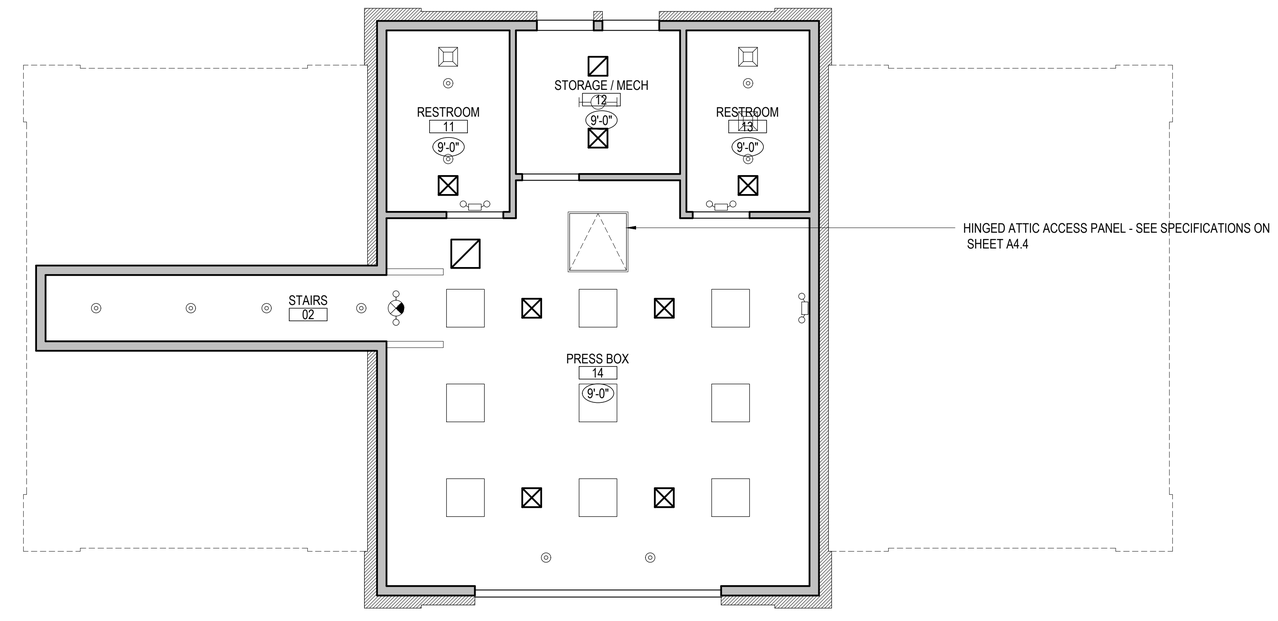


1 1ST FLOOR REFLECTED CEILING PLAN

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



2 2ND FLOOR REFLECTED CEILING PLAN

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

0 2' 4' 8'

NORTH

REFLECTED CEILING PLAN LEGEND & NOTES

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

- SURFACE MOUNTED STRIP LED FIXTURE
- RECESSED LED CAN LIGHT
- WALL SCONCE
- LARGE EXTERIOR WALL SCONCE
- VANITY LIGHT FIXTURE (CENTER ABOVE MIRROR)
- 2' x 2' RECESSED LED FIXTURE
- INDOOR BATHROOM EXHAUST FAN
- OUTDOOR LED WALL PACK
- INDOOR EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP. SEE LIFE SAFETY PLAN. WALL MOUNT CENTERED ABOVE DOOR, U.N.O.
- INDOOR INTERNALLY LIT EXIT SIGN WITH EMERGENCY LIGHTS AND 90 MINUTE BATTERY BACKUP (FACE ILLUMINATION AND DIRECTIONAL ARROWS AS SHOWN) WALL MOUNT CENTERED ABOVE DOOR, U.N.O. SEE LIFE SAFETY PLAN.
- OUTDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE SPECIFICATION IN ELECTRICAL DRAWINGS
- HVAC CEILING SUPPLY REGISTER (SEE MECHANICAL)
- HVAC CEILING RETURN REGISTER (SEE MECHANICAL)
- X'-X" — CEILING HEIGHT TAG MEASURED FROM FINISH FLOOR TO BOTTOM OF FINISH CEILING. WHERE "MAX" IS SPECIFIED, THE CEILING TO BE INSTALLED THE MAXIMUM HEIGHT POSSIBLE, ACCOUNTING FOR ALL ABOVE CEILING EQUIP.
- 2'-3" — CEILING DIMENSION MEASURED TO CENTER OF FIXTURE AND/OR EDGE OF FINISH CEILING
- HINGED ATTIC ACCESS PANEL - SEE SHEET A4.4

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

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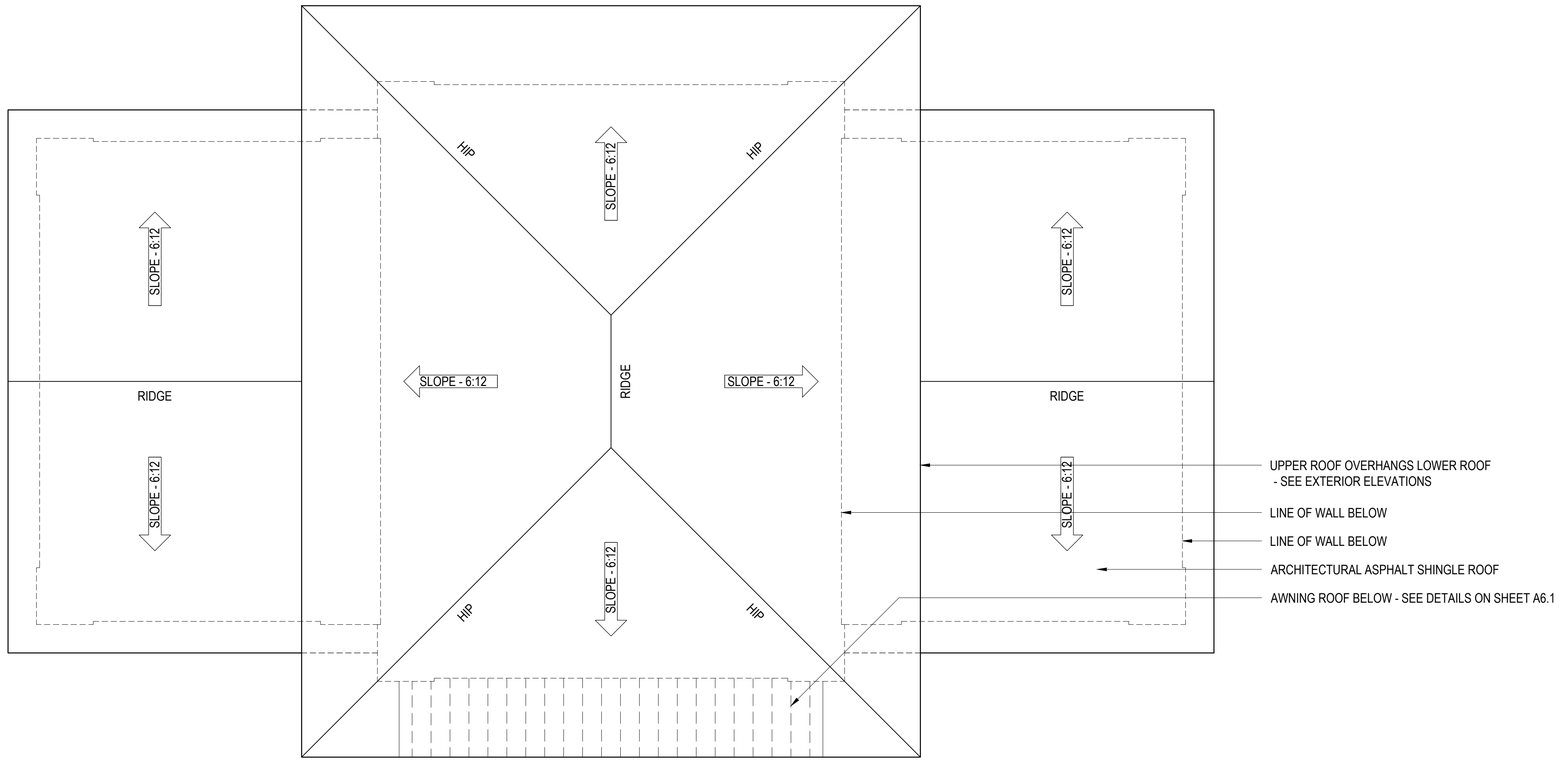
A1.1
Sheet Number



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

0 2' 4' 8'

NORTH

ROOF PLAN LEGEND & GENERAL NOTES

ARCHITECTURAL ASPHALT SHINGLES TO BE INSTALLED THROUGHOUT THE BODY OF THE ROOF, WITH PRE-FINISHED 24 GAUGE STANDING SEAM METAL ROOFS BEING INSTALLED AT ACCENT ROOFS AND AWNING ROOFS. STANDING SEAM METAL ROOF TO UTILIZE A 1-1/2" DOUBLE LOCK PROFILE, WITH FLAT STRIATIONS BETWEEN THE RIBS. INSTALL ALL ROOFING PER MFG. INSTRUCTIONS INCLUDING UNDERLAYMENT, ROOF PENETRATIONS, AND FLASHING.

AT ALL ASPHALT SHINGLE ROOFS, INSTALL NEW SELF-ADHERED (ICE & WATER SHIELD) UNDERLAYMENT AT ALL VALLEYS, HIPS, RIDGES, RAKES, EAVES, CHANGES IN ROOF PITCHES, ETC. THROUGHOUT THE ROOF AREA. INSTALL SYNTHETIC FELT UNDERLAYMENT THROUGHOUT FIELD OF ROOF AREAS NOT COVERED BY THE SELF-ADHERED UNDERLAYMENT. AT ALL STANDING SEAM METAL ROOFS, INSTALL HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

ALL ROOF PENETRATIONS ARE TO BE FLANGED. PAINT ANY ROOF PENETRATIONS (I.E. PLUMBING VENT PIPES, ETC.) TO MATCH COLOR OF ROOF. INSTALL NEW 24 GAUGE PRE-FINISHED KYLAR EAVE TRIM AT ALL ROOF PERIMETERS, RAKES, ETC. THROUGHOUT THE ROOF.

IN ADDITION, GENERAL CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL ROOF CONSULTANT, COST FOR SUCH SHALL BE INCLUDED AS A PART OF HIS BID, TO OVERSEE AND INSPECT THE ROOF WORK. THE CONSULTANT MUST HOLD A TITLE OF REGISTERED ROOF OBSERVER (RRO) OR HIGHER THROUGH THE INTERNATIONAL INSTITUTE OF BUILDING ENCLOSURE CONSULTANTS (IIBEC) AND PROVIDE EVIDENCE OF ADEQUATE WORKERS COMPENSATION, GENERAL LIABILITY, AND ERROR & OMISSIONS INSURANCE UPON REQUEST.

THE CONSULTANT MUST PERFORM NO LESS THAN THREE (3) INSPECTIONS DURING THE INSTALLATION OF THE NEW ROOF SYSTEM(S) (1 - START UP INSPECTION; 2 - INTERIM INSPECTION; 3 - FINAL INSPECTION). THE CONSULTANT MUST DOCUMENT ALL SITE VISITS WITH PHOTOGRAPHS AND WRITTEN REPORTS. ALL REPORTS SHALL BE FORWARDED TO THE ARCHITECT WITH DOCUMENTATION OF THE JOB PROGRESS AND ANY DEFICIENCIES NOTED DURING THE INSPECTIONS. UPON COMPLETION OF ALL PUNCH LIST ITEMS, THE CONSULTANT SHALL PROVIDE A LETTER OF ROOF COMPLETION ADVISING THE NEW ROOF SYSTEM HAS BEEN INSTALLED PER THE ROOFING MANUFACTURER'S REQUIREMENTS AND THE CONTRACT DOCUMENTS TO RECEIVE THE SPECIFIED WARRANTY(S).

PREVIOUSLY, THE ARCHITECT HAS WORKED WITH THE FOLLOWING ROOF CONSULTANT, THOUGH THE GENERAL CONTRACTOR MAY SELECT ANY QUALIFIED ROOF CONSULTANT AS DESIRED.

ROOF ASSET MANAGEMENT, INC.
DAVID LEE
MILLBROOK, AL 36054
(334) 590-7999

*** GENERAL CONTRACTOR TO PROVIDE A MINIMUM 40 YEAR MANUFACTURER'S WARRANTY FOR THE ROOF AND A 3 YEAR MINIMUM WORKMANSHIP WARRANTY ON THE ROOF INSTALLATION. DISCUSS ADDITIONAL WARRANTY OPTIONS WITH OWNER PRIOR TO PROCEEDING WITH WORK. ***

SEE SHEET A6.2 FOR SHINGLE ROOF DETAILS.

SLOPE - 6:12 ROOF SLOPE DIRECTION AND PITCH INDICATOR

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A1.2
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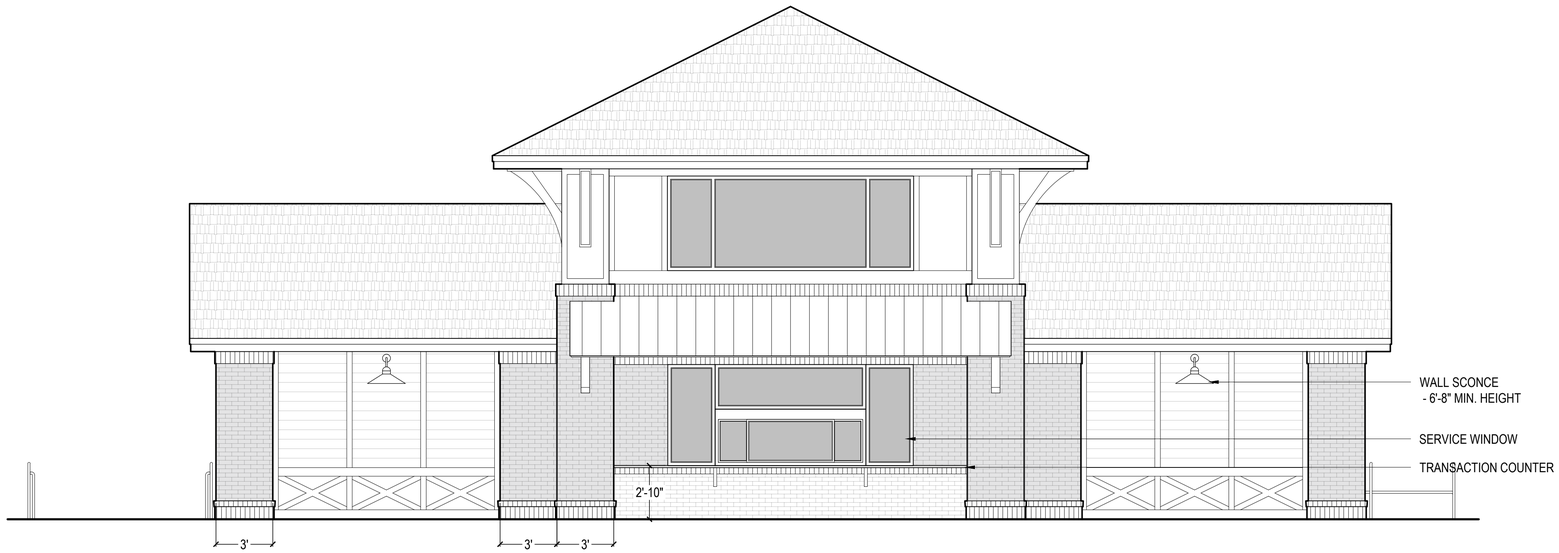

1 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



2 REAR ELEVATION
SCALE: 1/4" = 1'-0"

EXTERIOR FINISH LEGEND & NOTES

EXTERIOR ELEVATIONS GENERAL NOTES:
1.) OWNER IS TO BE PROVIDED PHYSICAL SAMPLES OF EXTERIOR FINISHES / COLORS.
2.) ALL FINISHES AND COLORS ARE TO BE REVIEWED AND APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PURCHASE AND INSTALLATION.
3.) INSTALL FINISHES PER MFG. INSTRUCTIONS.
4.) VERTICAL DIMENSIONS ON ELEVATIONS ARE MEASURED ABOVE FLOOR (A.F.) AS REFERENCED TO TOP OF SLAB OF CONDITIONED SPACE.

FINISH SPECIFICATIONS ARE SHOWN BELOW. CONSULT ARCHITECT WITH ANY QUESTIONS OR CONCERNS PRIOR TO PROCEEDING WITH WORK.

ACCENT BRICK:
MFG: ACME BRICK
SIZE: MODULAR
BLEND: RIDGEMAR (#PEP031)
PATTERN: AS SHOWN
MORTAR: WHITE (VERIFY WITH ARCHITECT PRIOR TO ORDERING)

FIELD BRICK:
MFG: ACME BRICK
SIZE: MODULAR
BLEND: MOSSTOWN (#CMP400)
PATTERN: AS SHOWN
MORTAR: BUFF (VERIFY WITH ARCHITECT PRIOR TO ORDERING)

ASPHALT SHINGLES:
MFG: TAMKO
STYLE: TITAN XT
COLOR: WEATHERED WOOD

STANDING SEAM METAL ROOF:
MFG: ALABAMA STEEL
STYLE: STANDING SEAM
COLOR: BURNISHED SLATE

CEMENT BOARD LAP SIDING:
MFG: JAMES HARDIE
STYLE: HORIZONTAL LAP SIDING
SIZE: 6" EXPOSURE
COLOR: PAINT 7 - SEE FINISH SCHEDULE

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A2.0
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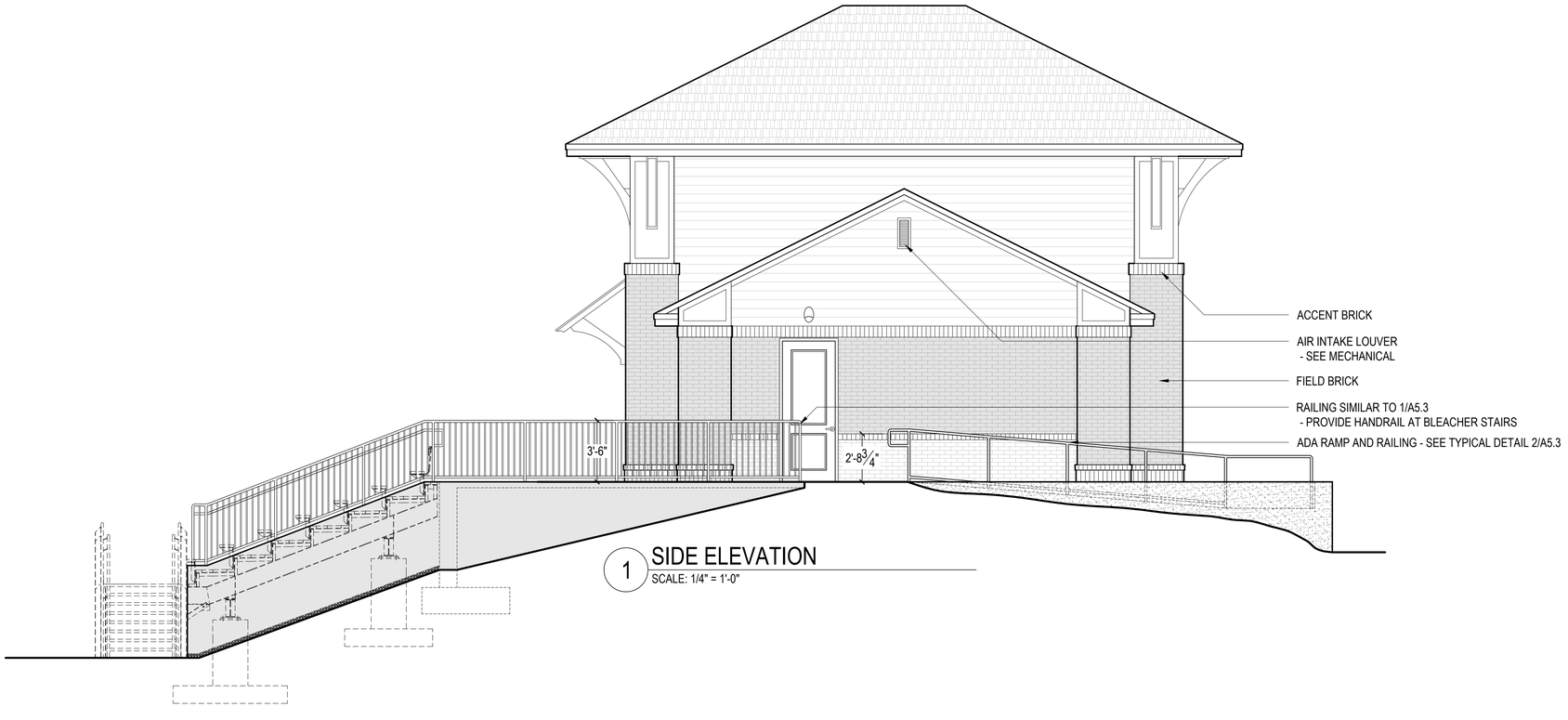
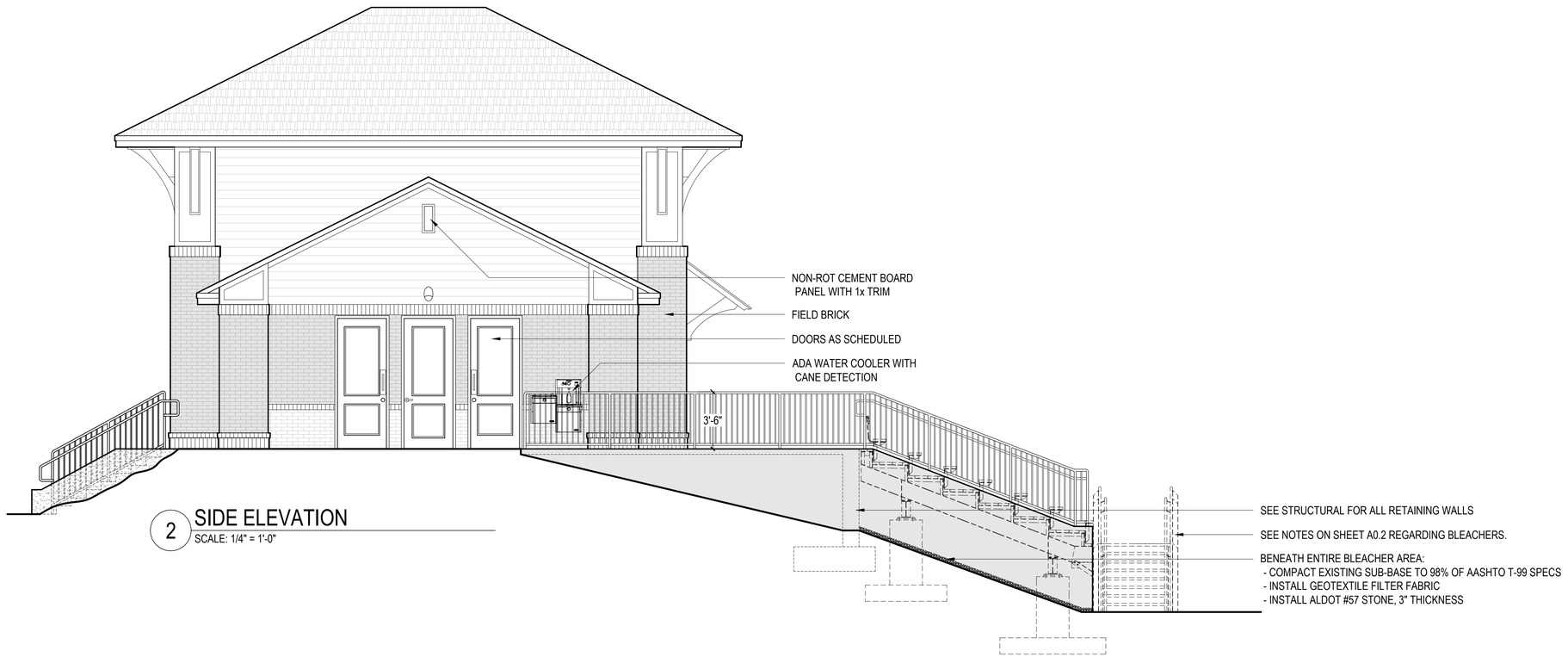


1 SIDE ELEVATION
SCALE: 1/4" = 1'-0"



2 SIDE ELEVATION
SCALE: 1/4" = 1'-0"

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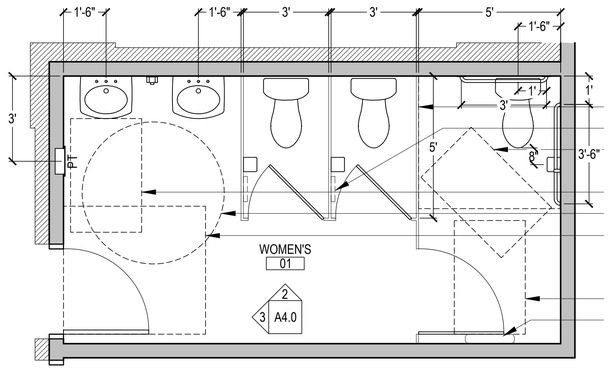
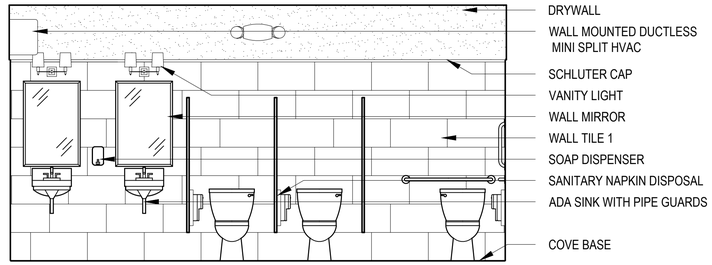


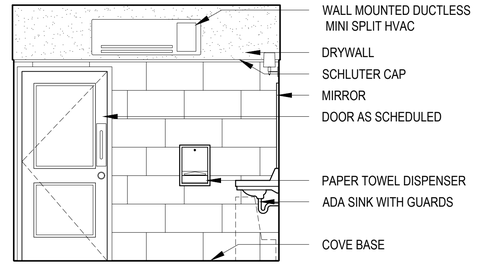
1 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



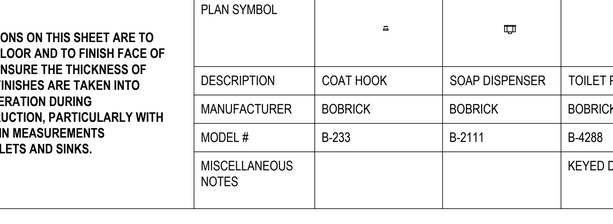
2 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



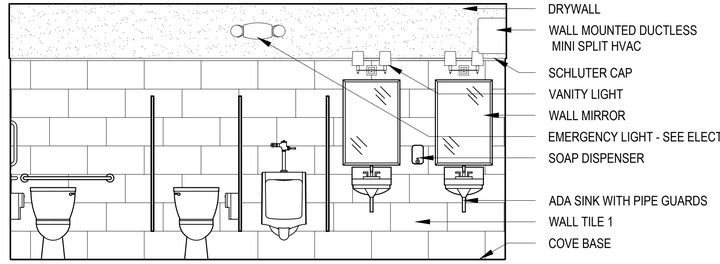
3 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



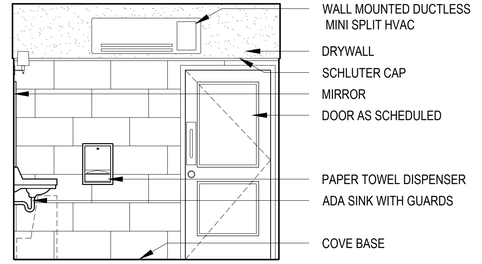
4 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



5 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



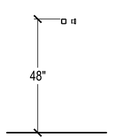
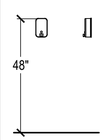
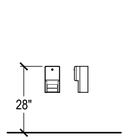
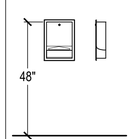
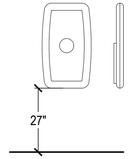
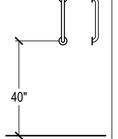
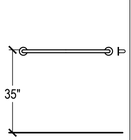
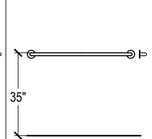
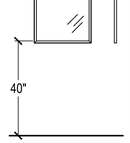
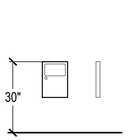
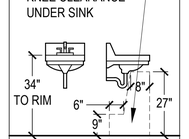
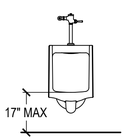
6 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"

ENLARGED BATHROOM PLAN & ELEVATIONS LEGEND AND SCHEDULE

ENLARGED BATHROOM PLAN AND ELEVATION GENERAL NOTES:
ALL RESTROOMS AND BATHROOMS ARE TO COMPLY WITH ANSI A117.1 2009 AND ADA 2010. TYPE, LOCATION, AND MOUNTING HEIGHTS OF FIXTURES AND EQUIPMENT ARE CRITICAL TO COMPLIANCE. ENSURE ALL ARE MET. MINOR IN-FIELD MODIFICATIONS COULD RESULT IN NON-COMPLIANCE.

DIMENSIONS ON THIS SHEET ARE TO FINISH FLOOR AND TO FINISH FACE OF WALL. ENSURE THE THICKNESS OF THESE FINISHES ARE TAKEN INTO CONSIDERATION DURING CONSTRUCTION, PARTICULARLY WITH ROUGH-IN MEASUREMENTS FOR TOILETS AND SINKS.

ELEVATION SYMBOL													
PLAN SYMBOL													
DESCRIPTION	COAT HOOK	SOAP DISPENSER	TOILET PAPER DISPENSER	PAPER TOWEL DISP.	BABY CHANGING STATION	18" GRAB BAR	36" GRAB BAR	42" GRAB BAR	MIRROR	SANITARY NAPKIN DISPOSAL	ADA WALL MOUNT SINK	ADA WALL HUNG URINAL	ADA FLOOR MOUNT TOILET
MANUFACTURER	BOBRICK	BOBRICK	BOBRICK	BOBRICK	KOALA KARE	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	SEE PLUMBING	SEE PLUMBING	SEE PLUMBING
MODEL #	B-233	B-2111	B-4288	B-359	KB301-05SS	B-5806X18	B-5806X36	B-5806X42	B-165 2436	B-254			
MISCELLANEOUS NOTES			KEYED DOUBLE DISPENSER	RECESSED - ROUGH OPENING 11 1/4" W, 15 5/8" H	ADA ACCESSIBLE - VERTICAL MOUNT COLOR = WHITE				MEASURED TO BOTTOM OF REFLECTIVE SURFACE	PROVIDE AT ALL STALLS IN WOMEN'S RESTROOM ONLY	4" CENTER SET FAUCET - PROVIDE ADA GUARDS ON EXPOSED PIPES		OPEN FRONT TLT SEAT REQ'D

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Project #: 22-42

Design By: JBP, DJB, & JHF

Project Date: 10-25-24

Revisions:

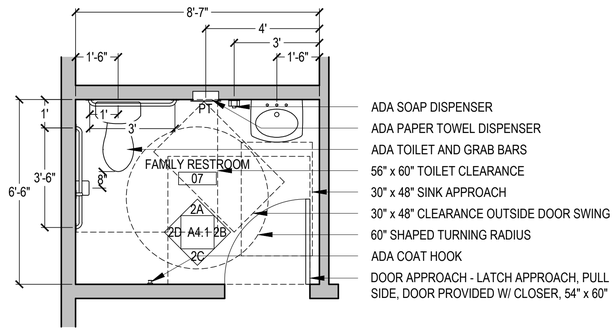
CRENSHAW COUNTY SPORTSPLEX
- CONCESSION STAND -
CRENSHAW COUNTY, AL

ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

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

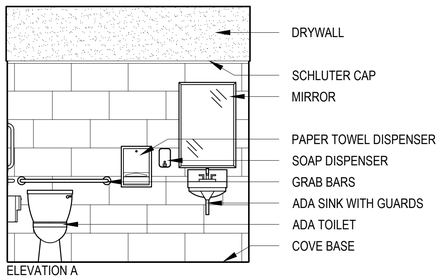
A4.0

Sheet Number

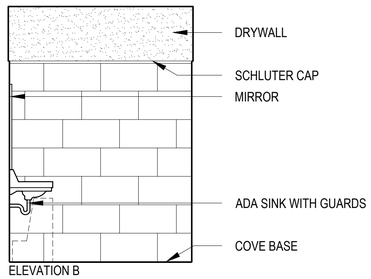


1 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



ELEVATION A



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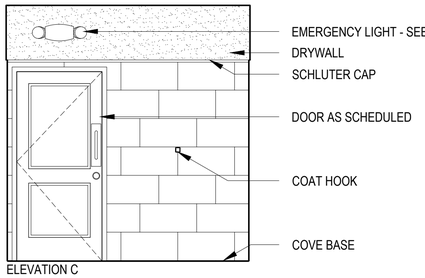

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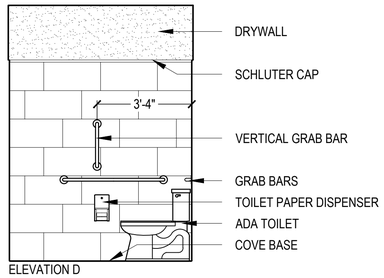

ELEVATION D

2 RESTROOM ELEVATIONS

SCALE: 3/8" = 1'-0"

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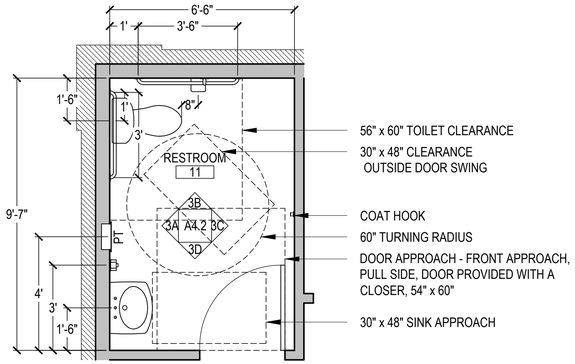
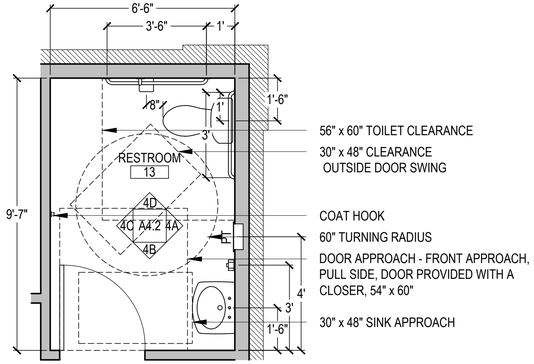
Sheet Number



1 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



2 ENLARGED RESTROOM PLAN

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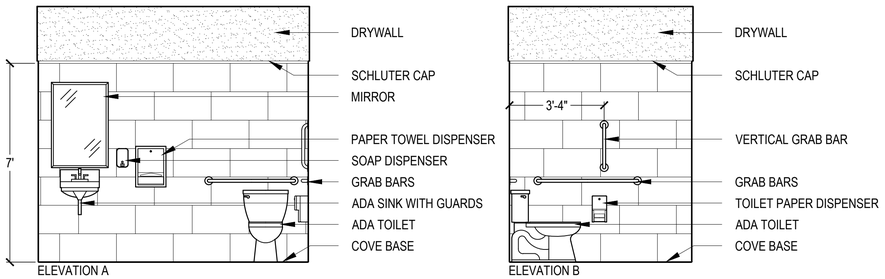
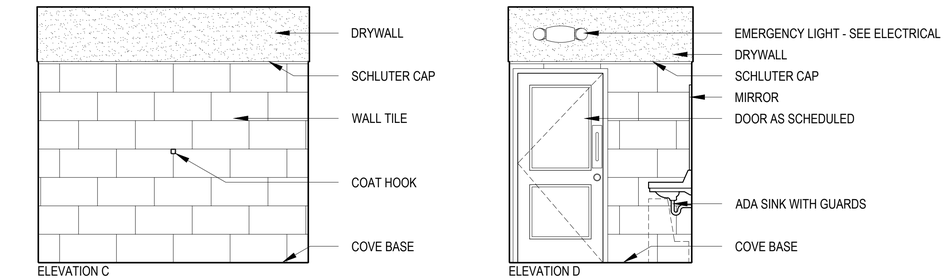
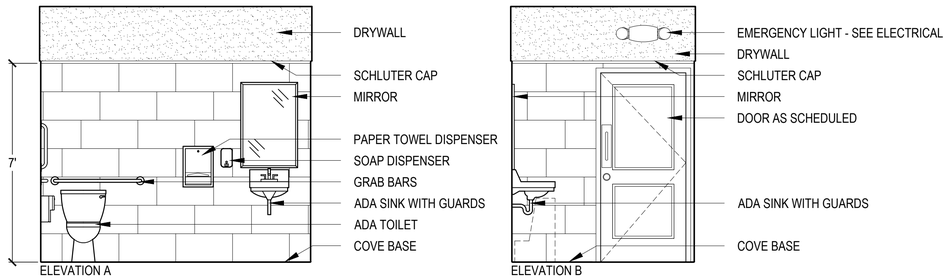
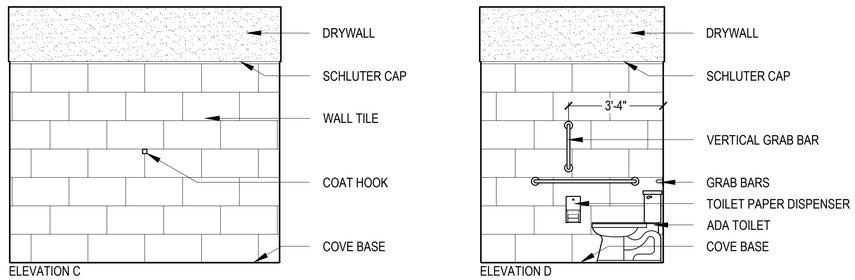




3 RESTROOM ELEVATIONS

SCALE: 3/8" = 1'-0"





4 RESTROOM ELEVATIONS

SCALE: 3/8" = 1'-0"

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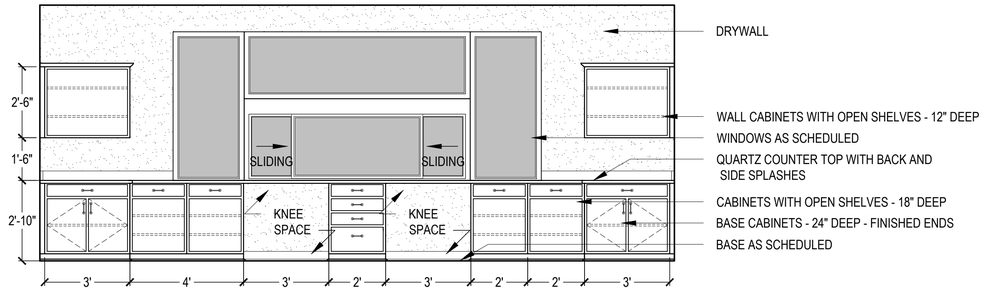
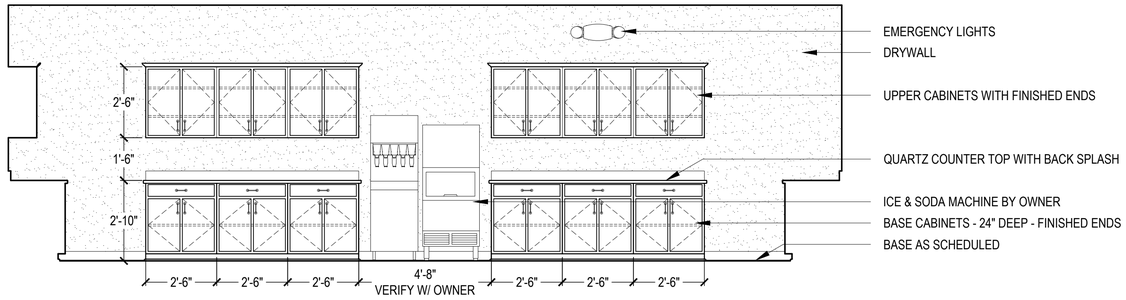
A4.2

Sheet Number



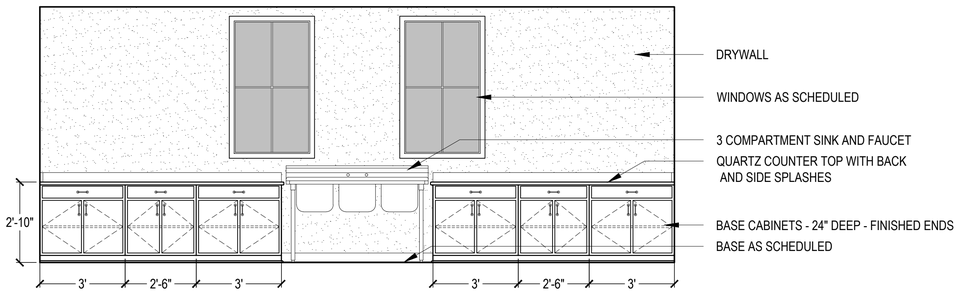
1 CONCESSIONS - ROOM #04

SCALE: 3/8" = 1'-0"



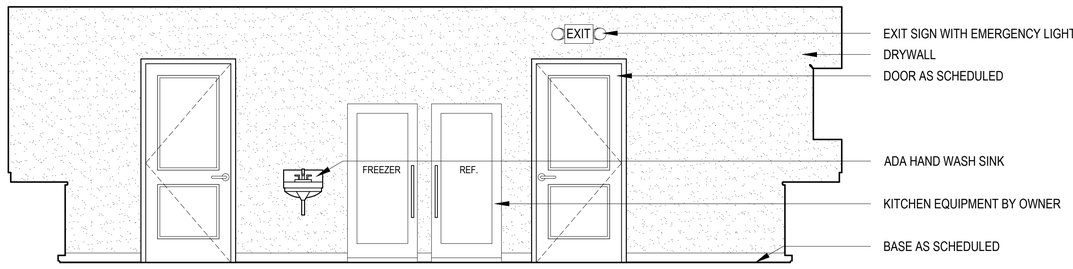
2 CONCESSIONS - ROOM #04

SCALE: 3/8" = 1'-0"



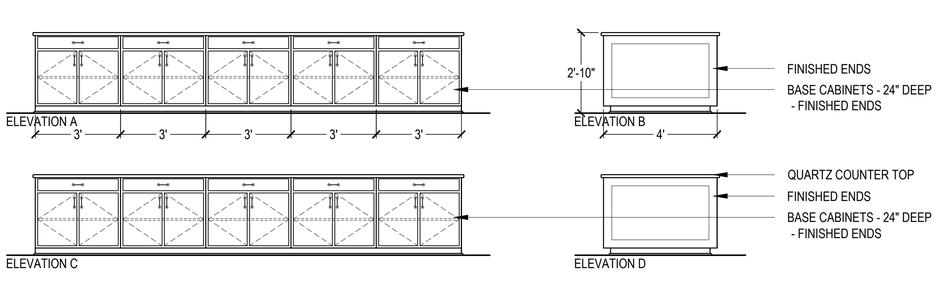
3 CONCESSIONS - ROOM #04

SCALE: 3/8" = 1'-0"



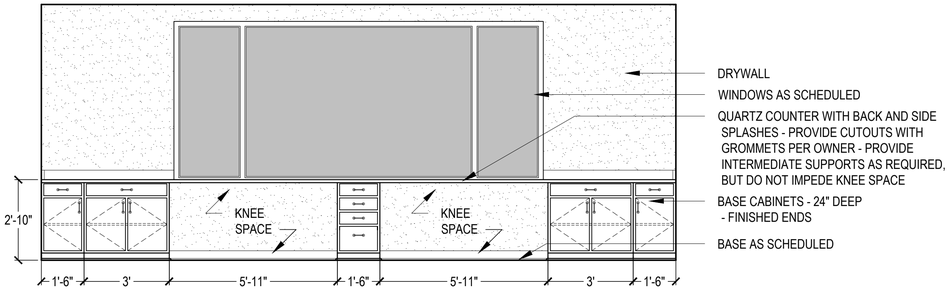
4 CONCESSIONS - ROOM #04

SCALE: 3/8" = 1'-0"



5 CONCESSIONS ISLAND - ROOM #04

SCALE: 3/8" = 1'-0"



6 PRESS BOX - ROOM #14

SCALE: 3/8" = 1'-0"

GENERAL CABINET NOTES:
- ALL ENDS OF CABINETS TO BE FINISHED, INCLUDING AT KNEE SPACES
- ALL SHELVING TO BE ADJUSTABLE
- ALL UPPER CABINETS TO HAVE CROWN. RETURN CROWN BACK TO WALL.

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Sheet Number

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	CEILING	NOTES
01	WOMEN'S	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
02	STAIRS	VINYL FLOOR 1 / VINYL TREADS & RISERS	RUBBER BASE 1	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 2	-
03	MEN'S	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
04	CONCESSIONS	VINYL FLOOR 1	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
05	STORAGE	VINYL FLOOR 1	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
06	STORAGE	VINYL FLOOR 1	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 2	-
07	FAMILY RESTROOM	VINYL FLOOR 1	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	
08	CORRIDOR	VINYL FLOOR 1	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 2	-
09	JAN.	VINYL FLOOR 1	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 2	-
10	MECH / ELEC.	VINYL FLOOR 1	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 2	-
11	RESTROOM	VINYL FLOOR 1	SCHLUTER COVE BASE	M.R. DRYWALL - PAINT 1 / WALL TILE 1	M.R. DRYWALL - PAINT 2	-
12	STORAGE / MECH	VINYL FLOOR 1	RUBBER BASE 1	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
13	RESTROOM	VINYL FLOOR 1	SCHLUTER COVE BASE	M.R. DRYWALL - PAINT 1 / WALL TILE 1	M.R. DRYWALL - PAINT 2	-
14	PRESS BOX	VINYL FLOOR 1	RUBBER BASE 1	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-

SPECIFICATIONS

DRYWALL
SIZE: 5/8" TYPE X (UNLESS NOTED OTHERWISE)
FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL

MOISTURE RESISTANT (M.R.) DRYWALL
SIZE: 5/8" MOISTURE RESISTANT TYPE X
FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL

IMPACT & MOISTURE RESISTANT (I.R. & M.R.) DRYWALL
SIZE: 5/8" IMPACT AND MOISTURE RESISTANT TYPE X
FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL
NOTES: SOME MANUFACTURERS INCLUDE THE FOLLOWING:
GOLD BOND XP HI-IMPACT
PURPLE XP HI-IMPACT
SHEETROCK BRAND MOLD TOUGH VHI FIRECODE
CERTAINTEED EXTREME IMPACT RESISTANT WITH M2TECH
OR EQUAL

PAINT COLOR 1
SUBSTRATE: DRYWALL
SHEEN: EGGSHELL
COLOR: BENJAMIN MOORE - GREY MIST (OC-30)

PAINT COLOR 2
SUBSTRATE: DRYWALL CEILINGS
SHEEN: FLAT
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

PAINT COLOR 3
SUBSTRATE: DRYWALL CEILINGS
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

PAINT COLOR 4
SUBSTRATE: INTERIOR WOOD TRIM
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

PAINT COLOR 5
SUBSTRATE: METAL TRIM, DOORS, AND FRAMES
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)

PAINT COLOR 6
SUBSTRATE: INTERIOR WOOD DOORS
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)

PAINT COLOR 7
SUBSTRATE: EXTERIOR CEMENT BOARD & TRIM
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - REVERE PEWTER (HC-172)

PAINT COLOR 8
SUBSTRATE: SOFFIT AND FASCIA
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)

SEALED CONCRETE
SUBSTRATE: CONCRETE SLAB ON GRADE
TYPE: TINTED CONCRETE SEALER
SHEEN: GLOSS
COLOR: TBD - SEMI TRANSPARENT
NOTES: ADD SLIP RESISTANT TEXTURE

POWDER COAT 1:
MFG: PPG
COLOR: TRAFFIC BLACK (RAL 9017)

VINYL FLOOR 1
MFG: SHAW
STYLE: TERRAIN 2 COLLECTION
COLOR: NEST
SIZE: 6" x 48" PLANK
PATTERN: RANDOM PATTERN - CENTER IN ROOM
WARRANTY: LIFETIME COMMERCIAL WARRANTY
NOTES: PROVIDE ADA TRANSITIONS AT DISSIMILAR MATERIALS AS REQUIRED

CABINETRY:
STYLE: SHAKER STYLE
TYPE: FULL OVERLAY WOOD CABINETS
SPECIES: MAPLE WOOD
FINISH: PAINTED FACTORY FINISH
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)
HARDWARE: PROVIDE A $5.00 ALLOWANCE PER DOOR OR DRAWER
NOTES: PROVIDE CROWN MOLDING AT TOP OF ALL UPPER CABINETS

COUNTERTOPS:
MFG: LG HAUSYS - VIATERA
TYPE: QUARTZ
SIZE: 3CM (1.5") THICK
COLOR: FORTE
PROFILE: EASED EDGE

WALL TILE 1:
MFG: FLORIDA TILE
STYLE: HIGH RIDGE
COLOR: PINNACLE BEIGE
TYPE: GLAZED PORCELAIN TILE
GROUT: LATICRETE BOSTIK QUARTZLOCK2 GROUT (#370 RAINCLOUD GRAY) - PROVIDE A SAMPLE ON SITE FOR OWNER'S REVIEW AND APPROVAL
SIZE: 12x24 - 1/3 OFFSET PATTERN
NOTES: REFER TO INTERIOR ELEVATIONS REGARDING EXACT LOCATIONS OF WALL TILE - PROVIDE SCHLUTER CAP AND BASE

SCHLUTER CAP
SHAPE: JOLLY 100ATGB
FINISH: BRUSHED NICKEL
SIZE: 3/8 (10MM)
NOTES: INCLUDE CORNERS, CONNECTORS, END CAPS, ETC. AS REQUIRED

SCHLUTER COVE BASE
SHAPE: DILEX-AHKA100ATGB
FINISH: BRUSHED NICKEL
SIZE: 3/8 (10MM)
NOTES: INCLUDE CORNERS, CONNECTORS, END CAPS, ETC. AS REQUIRED

RUBBER BASE 1
MFG: ROPPE - 700 SERIES RUBBER BASE - STANDARD TOE
SIZE: 1/8" THICK, 6" HIGH
COLOR: BATTLESHIP (#669)
NOTE: USE COORDINATING INSIDE CORNERS & OUTSIDE CORNERS

RUBBER TREADS:
MFG: ROPPE
STYLE: LOW PROFILE RAISED CIRCULAR DESIGN (#92)
COLOR: BLACK (#100)
TYPE: RUBBER STAIR TREAD WITH TAPERED NOSE

RUBBER RISERS:
MFG: ROPPE
COLOR: BATTLESHIP (#669)
TYPE: RUBBER RISER

HVAC GRILLS AND REGISTERS
COLOR: ALL HVAC WALL GRILLS AND WALL REGISTERS TO BE FACTORY FINISHED IN WHITE. ALL EXTERIOR GRILLS/LOUVERS TO BE FACTORY FINISHED IN DARK BRONZE.

TOILET PARTITIONS
MFG: ASI GLOBAL
STYLE: FLOOR ANCHORED / OVERHEAD BRACED
COLOR: BLACK (2000C) - COLOR-THRU PHENOLIC
NOTES: PROVIDE SELF CLOSERS ON ALL DOORS - ALL PARTITIONS TO MEET ADA REQUIREMENTS - ALL TRIM, HARDWARE, LATCHES, ETC. TO BE SILVER IN COLOR

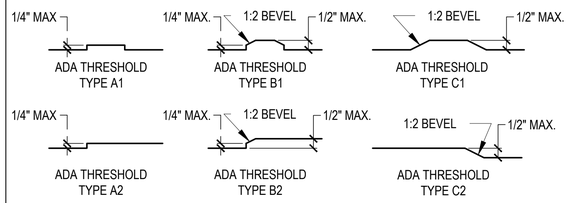
ELECTRICAL DEVICES
COLOR: ALL SWITCHES, OUTLETS, AND COVER PLATES TO BE WHITE

GENERAL NOTES

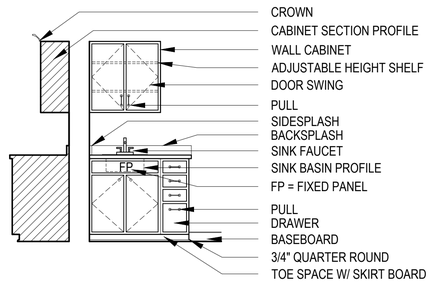
1. INSTALL ALL EQUIPMENT AND FINISHES PER MFG. RECOMMENDATIONS.
2. MANUFACTURER REFERENCE IS FOR STYLE / COLOR. IT IS NOT A REQUIREMENT TO USE A SPECIFIC BRAND. ALL SUBMITTALS AND SUBSTITUTIONS TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING.
3. ALL FINISHES MUST MEET CODE INCLUDING FLAMMABILITY AND SLIP RESISTANCE.
4. ARCHITECT IS TO BE PROVIDED PHYSICAL SAMPLES BY CONTRACTOR AND IS TO REVIEW AND APPROVE ALL FINISHES PRIOR TO PURCHASE. ALL FINISHES MUST MEET CODE REQUIREMENTS.
5. CORRIDOR WALL AND CEILING FINISHES ARE TO BE CLASS B RATED AT MIN.
6. ENCLOSED ROOM WALL AND CEILING FINISHES ARE TO BE CLASS C RATED AT MIN.
7. FLOOR FINISHES ARE TO BE CLASS II RATED AT MIN.
8. SEE FLOOR FINISH TRANSITION DETAILS ON SHEET A4.4

FLOOR FINISH TRANSITIONS

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



CASEWORK LEGEND



ACCESS PANEL

GENERAL CONTRACTOR TO SUPPLY AND INSTALL A HINGED CEILING ACCESS PANEL IN ROOM 14 IN ORDER TO ACCESS THE ENTIRE "ATTIC" SPACE. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.

SPECIFICATIONS OF HINGED CEILING ACCESS PANEL:

MFG: BEST ACCESS DOORS
MODEL: 36" x 36" FLUSH UNIVERSAL ACCESS DOOR WITH EXPOSED FLANGES
SKU: BA-AHD-36-36
MATERIAL: COLD ROLLED STEEL DOOR AND FRAME
NOTES: ADJUST FRAMING AS REQUIRED. PAINT HATCH TO MATCH CEILING COLOR. SCREWDRIVER CAM LOCK.

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Project Date: 10-25-24
Revisions:

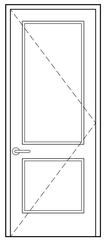
CRENSHAW COUNTY SPORTSPLEX
- CONCESSION STAND -
CRENSHAW COUNTY, AL

FINISH SCHEDULE, SPECIFICATIONS, AND DETAILS

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

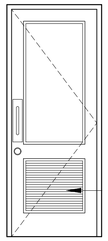
A4.4
Sheet Number

DOOR SCHEDULE



DOOR TYPE A

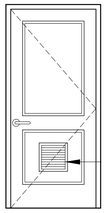
USE:	EXTERIOR ENTRANCE DOOR
TYPE:	TWO PANEL EMBOSSED HOLLOW METAL DOOR
SIZE:	1 - 3/4" X 3'-0" X 8'-0"
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
FINISH:	PAINT 5
HARDWARE:	SIDE HINGED DOOR WITH ADA CLASSROOM FUNCTION LEVER HANDLE.
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)
NOTE:	DOOR "A1" TO HAVE A CLOSER



PROVIDE A PRE-FINISHED ALUMINUM LOUVER IN DOOR. 3.5 SF MIN, WITH 50% NET FREE AREA. (24" x 21" LOUVER SHOWN)

DOOR TYPE B

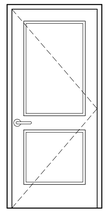
USE:	EXTERIOR RESTROOM DOOR WITH LOUVER
TYPE:	TWO PANEL EMBOSSED HOLLOW METAL DOOR
SIZE:	1 - 3/4" X 3'-0" X 8'-0"
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
FINISH:	PAINT 5
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND A SINGLE KEYED DEADBOLT ON THE EXTERIOR SIDE (NO WAY TO LOCK DOOR FROM THE INTERIOR)
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



IN JANITOR 09 ONLY, PROVIDE A 10" x 10" PRE-FINISHED ALUMINUM LOUVER IN DOOR WITH 50% NET FREE AREA.

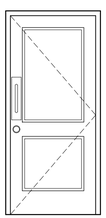
DOOR TYPE C

USE:	INTERIOR DOOR
TYPE:	SOLID WOOD, TWO PANEL DOOR
SIZE:	1 - 3/4" X 3'-0" X 7'-0"
FINISH:	PAINT 6
HARDWARE:	SIDE HINGED DOOR WITH ADA CLASSROOM FUNCTION LEVER HANDLE.
THRESHOLD:	N/A
GASKET:	NO
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



DOOR TYPE D

USE:	INTERIOR DOOR
TYPE:	SOLID WOOD, TWO PANEL DOOR
SIZE:	1 - 3/4" X 3'-0" X 7'-0"
FINISH:	PAINT 6
HARDWARE:	SIDE HINGED DOOR WITH ADA PASSAGE FUNCTION LEVER HANDLE.
THRESHOLD:	N/A
GASKET:	NO
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)

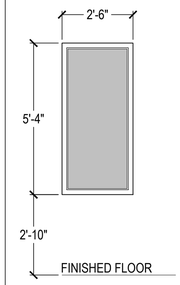


DOOR TYPE E

USE:	INTERIOR RESTROOM DOOR
TYPE:	SOLID WOOD, TWO PANEL DOOR
SIZE:	1 - 3/4" X 3'-0" X 7'-0"
FINISH:	PAINT 6
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND "IN-USE" OCCUPANCY INDICATOR DEADBOLT WITH THUMB TURN
THRESHOLD:	N/A
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)

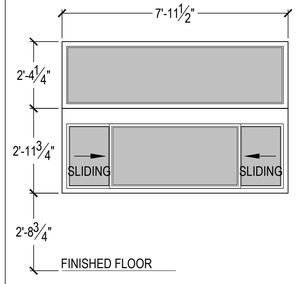
LOUVER NOTES:
1. PRE-FINISHED ALUMINUM DOOR LOUVERS TO BE DARK BRONZE IN COLOR.

WINDOW SCHEDULE



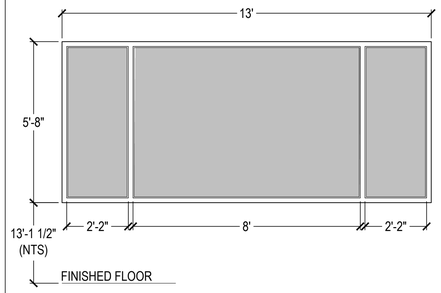
WINDOW TYPE A

TYPE:	STOREFRONT
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.46
MAX. SHGC:	0.25
NOTES:	HEIGHT OF WINDOW AND SILL HEIGHT TO MATCH ADJACENT WINDOW TYPE B. CONSULT ARCHITECT WITH ANY QUESTIONS.



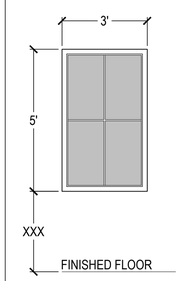
WINDOW TYPE B

TYPE:	WALK UP SERVICE WINDOW WITH TRANSOM
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR DUAL PANE, INSULATED GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.60
MAX. SHGC:	0.25
NOTES:	BASIS OF DESIGN: READY-ACCESS, MODEL 650 (ENERGY SAVER) WITH TWO SERVICE OPENINGS (19" x 27 1/4" SLIDING OPENINGS). MANUAL OPEN / AUTOMATIC CLOSE. GLASS TRANSOM IS AVAILABLE AS A SPECIAL ORDER FEATURE. CONSULT ARCHITECT WITH ANY QUESTIONS.



WINDOW TYPE C

TYPE:	STOREFRONT
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.46
MAX. SHGC:	0.25
NOTES:	CONSULT ARCHITECT WITH ANY QUESTIONS.



WINDOW TYPE D

TYPE:	FIXED ALUMINUM CLAD WINDOW
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.46
MAX. SHGC:	0.25
NOTES:	BASIS OF DESIGN IS WEATHER SHIELD - SIGNATURE SERIES WINDOWS

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

DOOR NOTES

GENERAL NOTES:

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

INTERIOR SIGNAGE

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

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

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

SIGN TYPES:



A
HANDICAP ACCESSIBLE RESTROOM - MEN
RRE-150_White_on_Black



B
HANDICAP ACCESSIBLE RESTROOM - WOMEN
RRE-130_White_on_Black



C
VERTICAL EXIT SIGN
RSME-19471_White_on_Black
8" x 2"



D
DOOR TO REMAIN UNLOCKED SIGN
SKU: NHEP-13913
(7" x 10" - ALUMINUM SIGN)

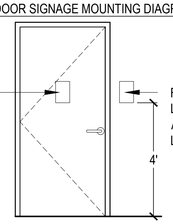


E
HANDICAP ACCESSIBLE RESTROOM
RRE-120_White_on_Black



F
FAMILY RESTROOM DIRECTIONAL SIGN
(CUSTOM TEXT WITH BRAILLE)
"FAMILY RESTROOM INSIDE"

INTERIOR DOOR SIGNAGE MOUNTING DIAGRAM



FOR SIGN TYPE D, LOCATE SIGN IN THE CENTER OF THE DOOR. LOCATE ON THE INTERIOR SIDE.

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

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Revisions:

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- CONCESSION STAND -
CRENSHAW COUNTY, AL

DOOR, WINDOW, AND SIGNAGE SCHEDULES

STATE OF ALABAMA
MONTGOMERY
JOHN H. FOSHEE
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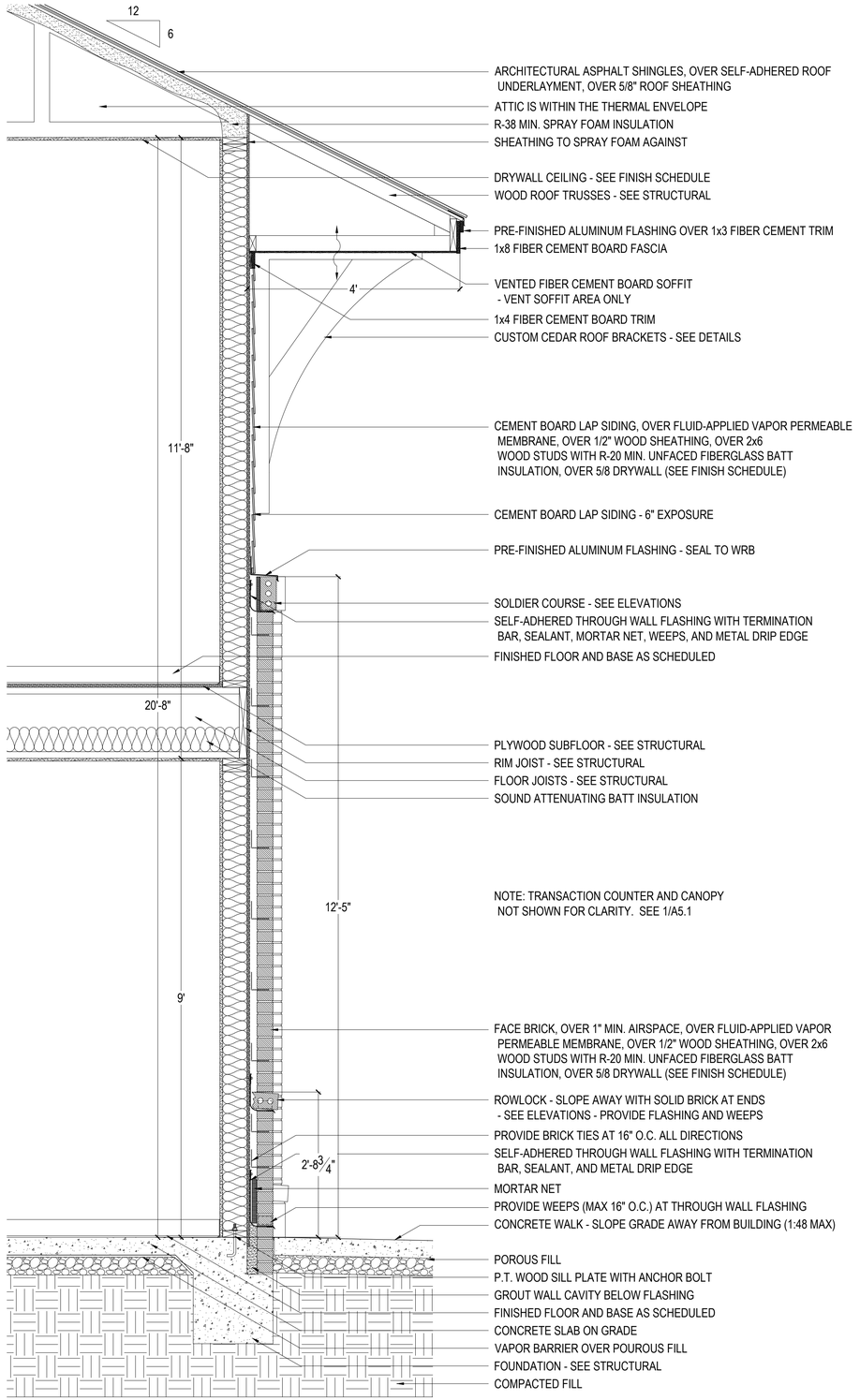
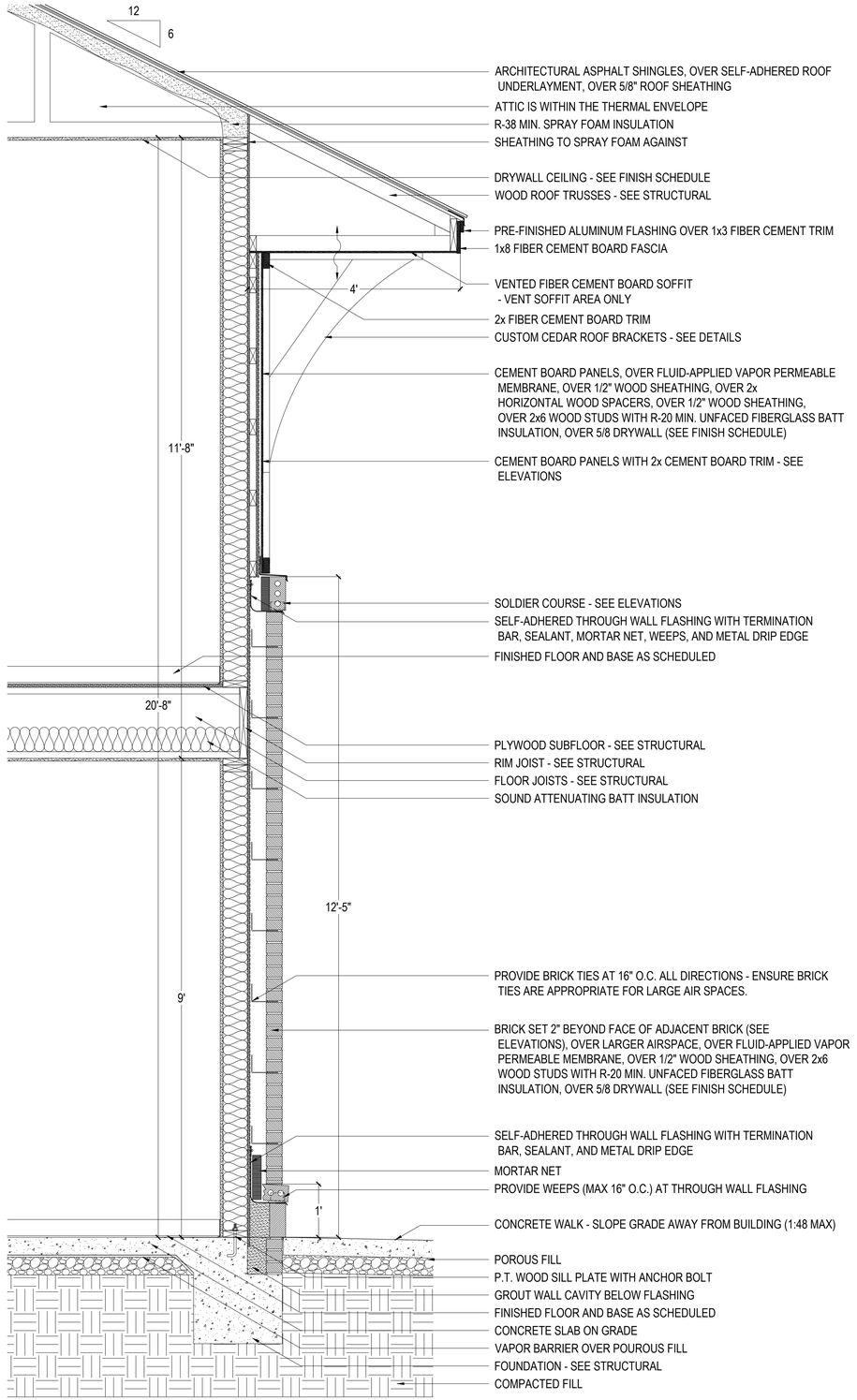
REGISTERED ARCHITECT
ALABAMA

A4.5
Sheet Number



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



2 WALL SECTION
SCALE: 3/4" = 1'-0"

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WALL SECTIONS

STATE OF ALABAMA
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A5.0
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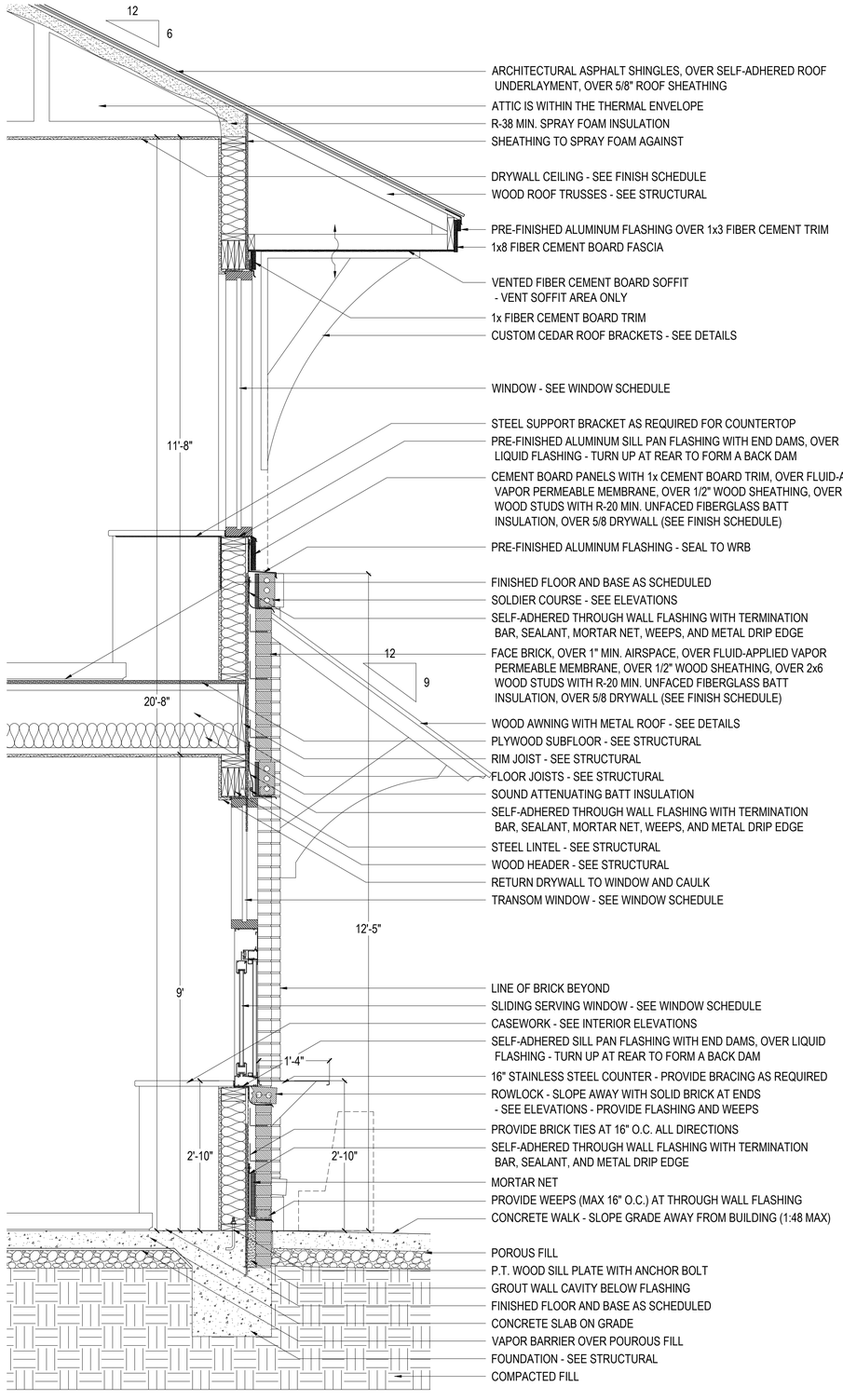
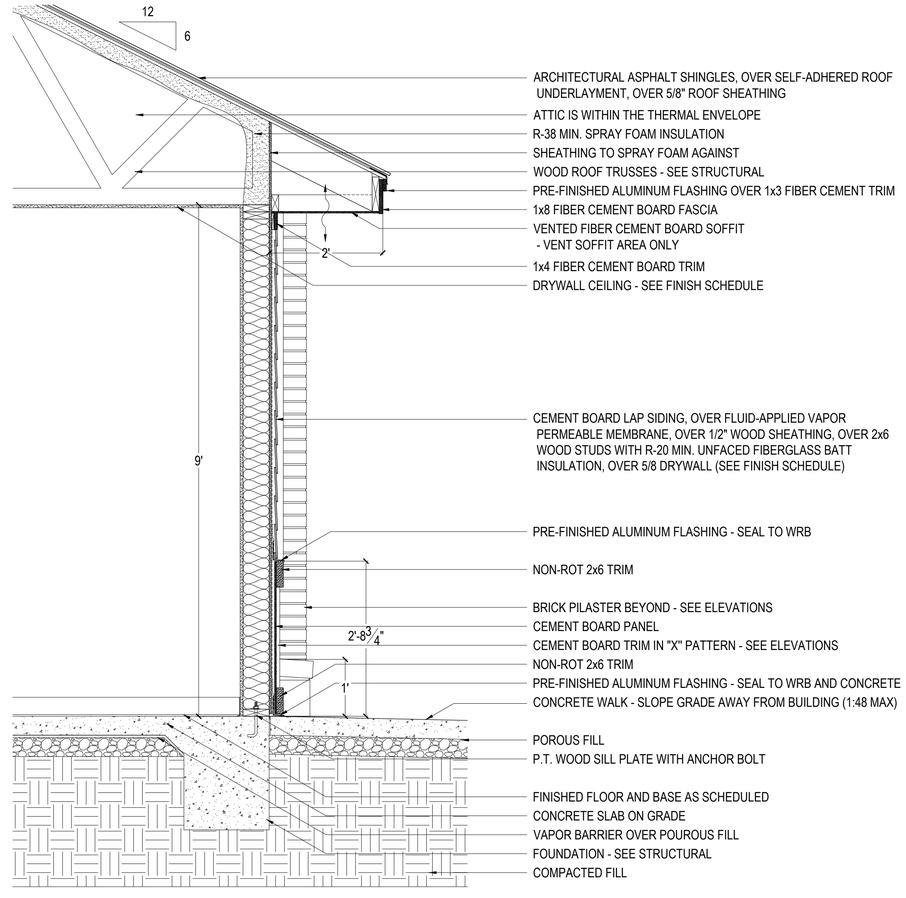


1 WALL SECTION
SCALE: 3/4" = 1'-0"



2 WALL SECTION
SCALE: 3/4" = 1'-0"

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WALL SECTIONS

STATE OF ALABAMA
MONTGOMERY
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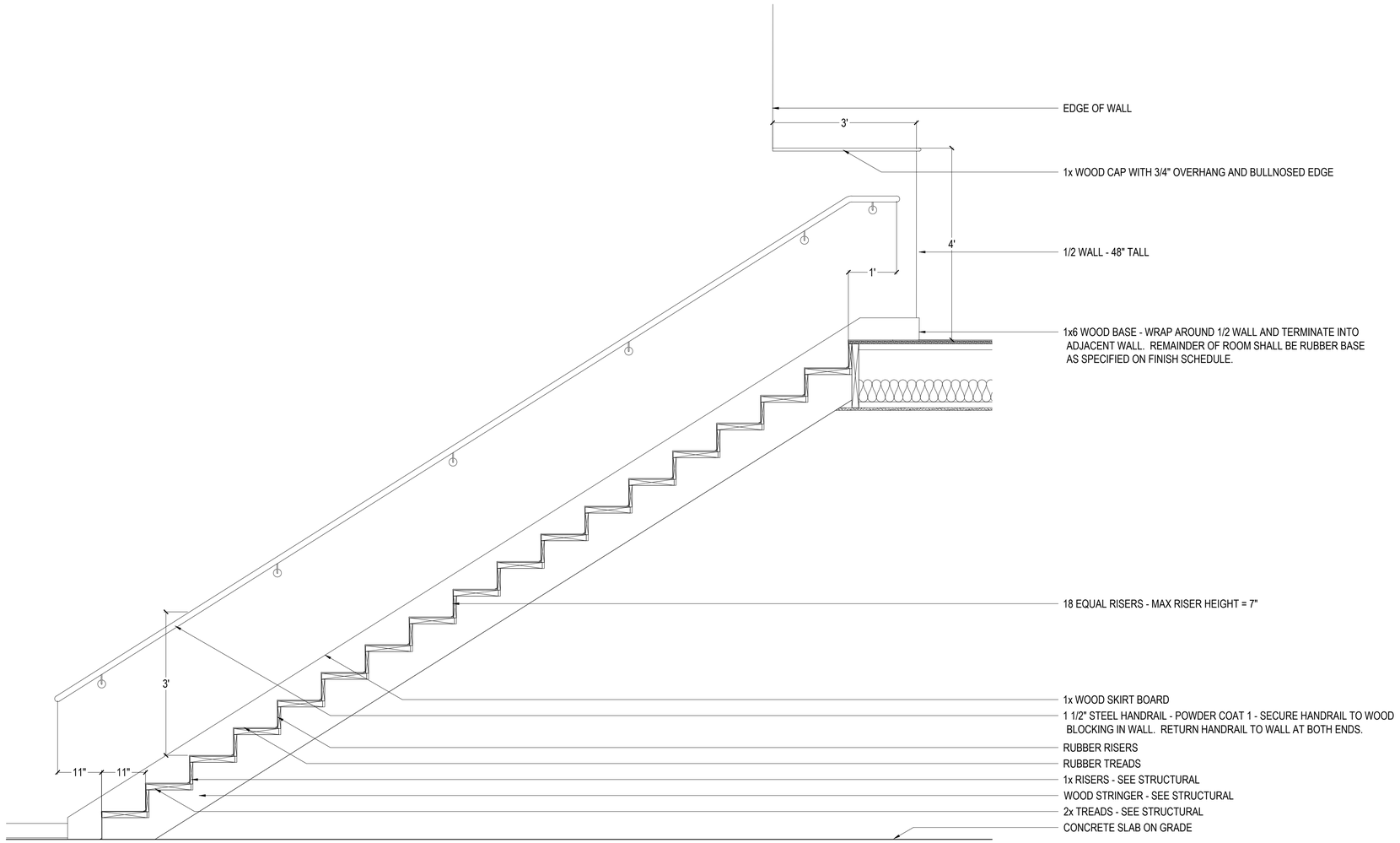
A5.1
Sheet Number



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

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CRENSHAW COUNTY, AL

STAIR SECTION

STATE OF ALABAMA
MONTGOMERY
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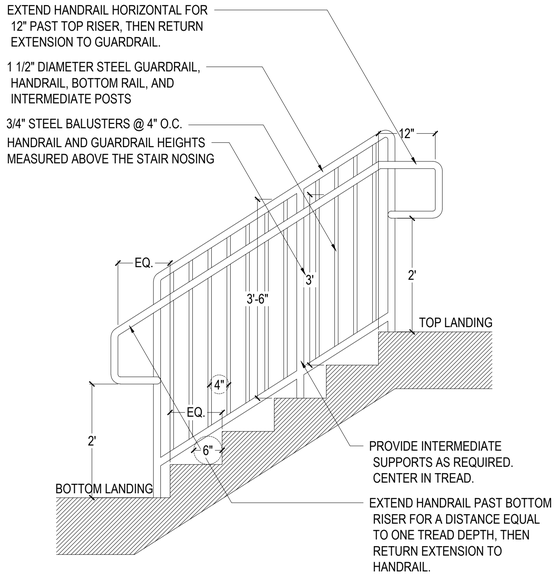
REGISTERED ARCHITECT

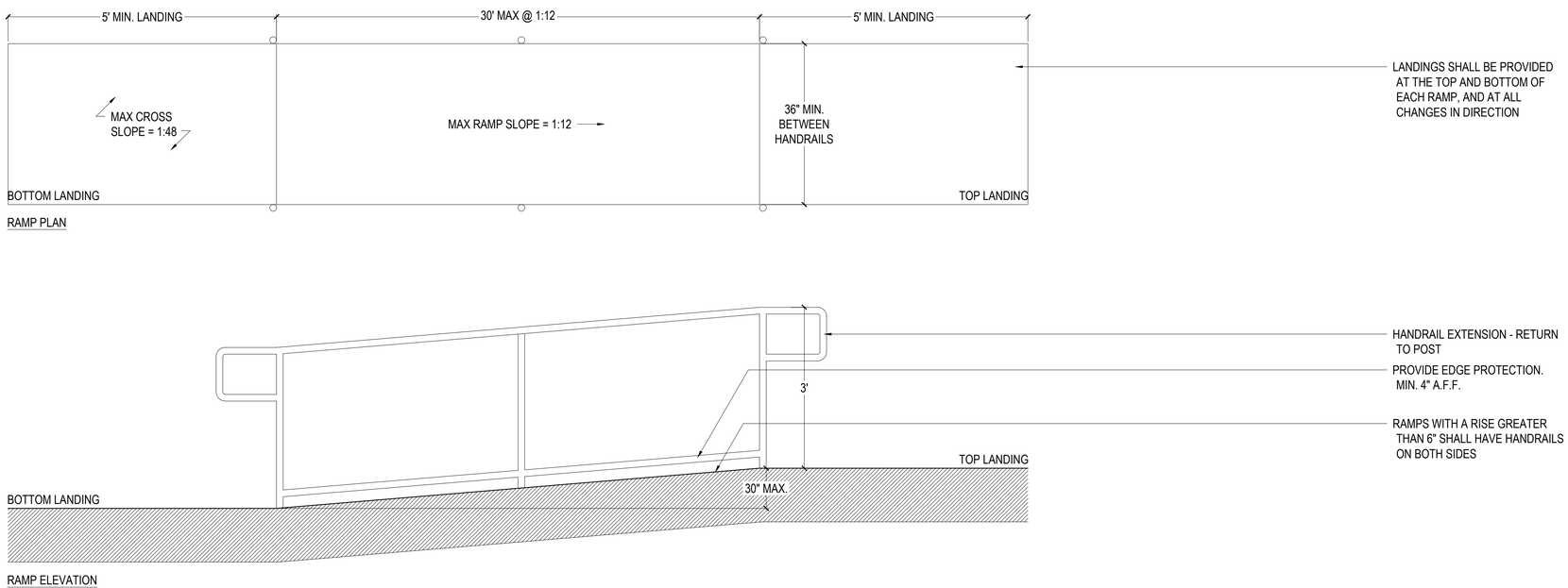
A5.2
Sheet Number



DRAWING SHOWS A TYPICAL STAIR GUARDRAIL AND HANDRAIL DIAGRAM, NOT A DEPICTION OF THE ACTUAL STAIRS. RAILING TO BE POWDER COATED. ANCHOR GUARDRAIL INTO FLOOR AS REQUIRED. GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A 4" SPHERE. TRIANGULAR OPENINGS AT STEPS SHALL RESIST PASSAGE OF A 6" SPHERE.

1 TYPICAL STAIR GUARD WITH HANDRAIL

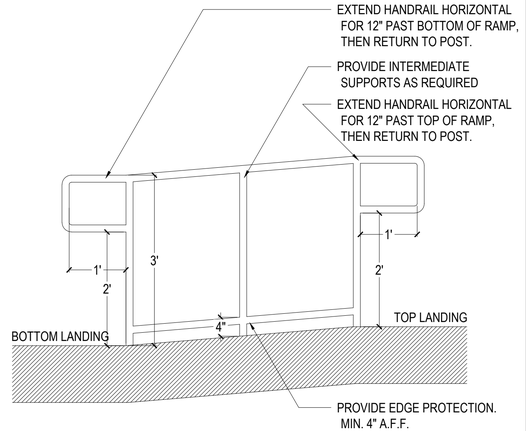
SCALE: 3/4" = 1'-0"



DRAWING SHOWS A TYPICAL RAMP DIAGRAM, NOT A DEPICTION OF THE ACTUAL RAMP. RAMP SURFACE SHALL BE OF SLIP-RESISTANT MATERIALS THAT ARE SECURELY ATTACHED. GUARDRAILS (NOT SHOWN) ARE REQUIRED WHERE THE WALKING SURFACE IS MORE THAN 30" ABOVE ADJACENT FLOOR OR GRADE.

2 TYPICAL RAMP DETAIL WITHOUT GUARDRAILS

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



DRAWING SHOWS A TYPICAL RAMP HANDRAIL DIAGRAM, NOT A DEPICTION OF THE ACTUAL RAMP. HANDRAIL TO BE 1 ½" POWDER COATED TUBULAR STEEL RAIL. ANCHOR RAIL INTO FLOOR AS REQUIRED.

3 TYPICAL RAMP HANDRAIL AT OPEN SIDE

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

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DETAILS

STATE OF ALABAMA
MONTGOMERY
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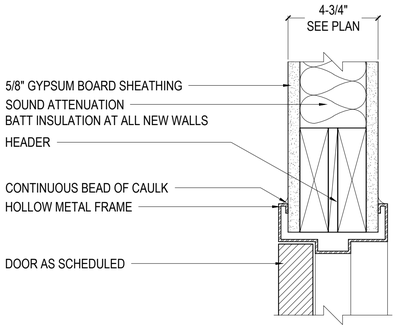
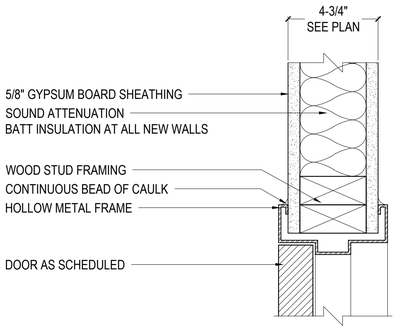
REGISTERED ARCHITECT

A5.3

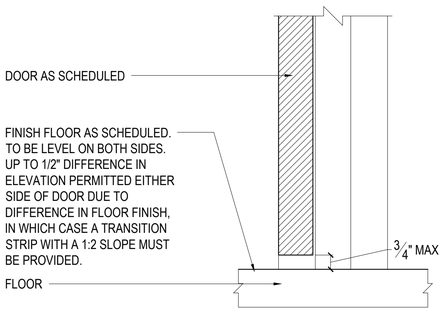
Sheet Number



DOOR HEAD DETAIL



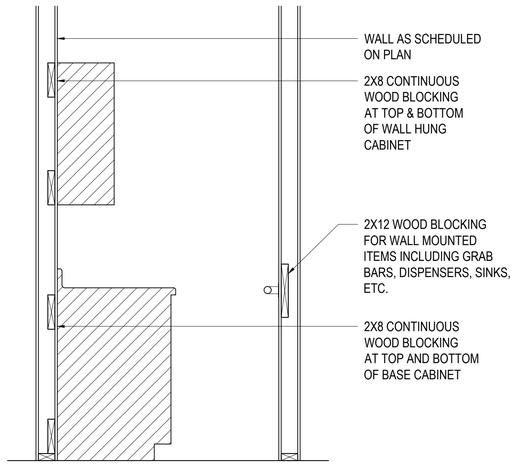
DOOR JAMB DETAIL



DOOR SILL DETAIL

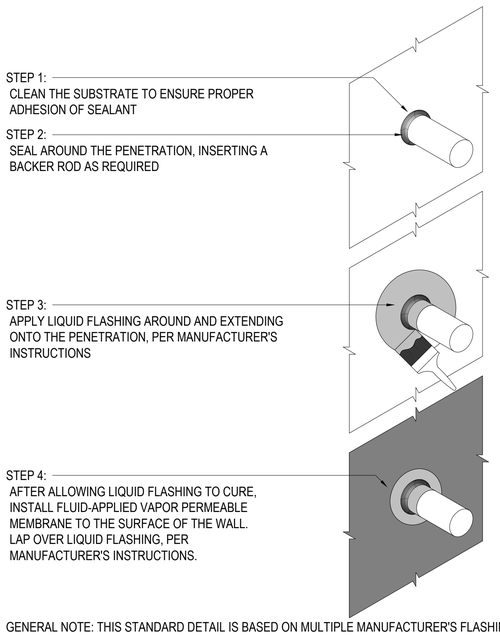
1 INTERIOR DOOR DETAILS

SCALE: 3" = 1'-0"



2 WALL BLOCKING DETAIL

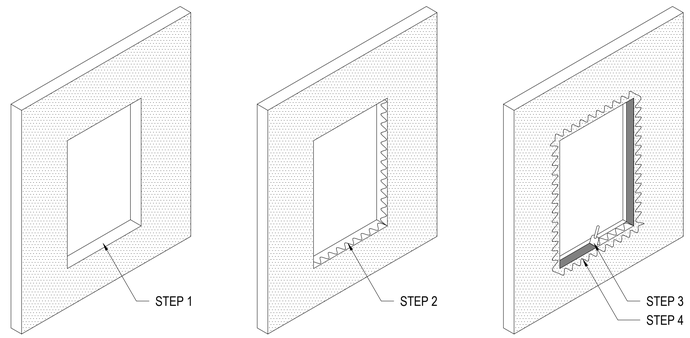
NOT TO SCALE



GENERAL NOTE: THIS STANDARD DETAIL IS BASED ON MULTIPLE MANUFACTURER'S FLASHING INSTRUCTIONS FOR WALL PENETRATIONS ABOVE GRADE. FOLLOW INSTALLATION INSTRUCTIONS OF SELECTED LIQUID FLASHING AND FLUID-APPLIED VAPOR PERMEABLE MEMBRANE. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING.

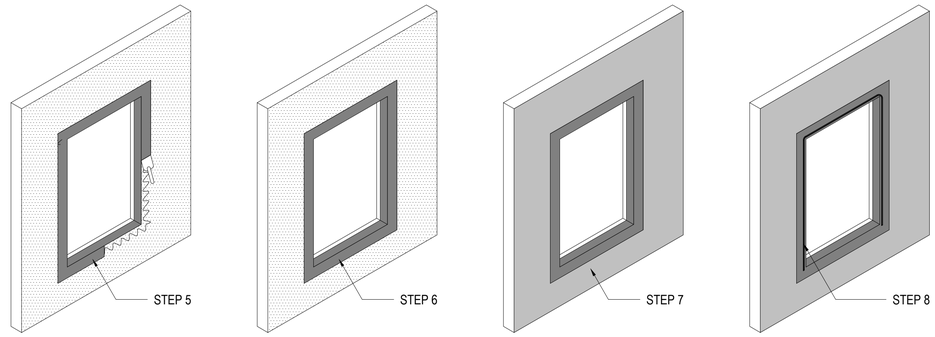
3 TYPICAL DETAIL AT WRB PENETRATIONS

NOT TO SCALE

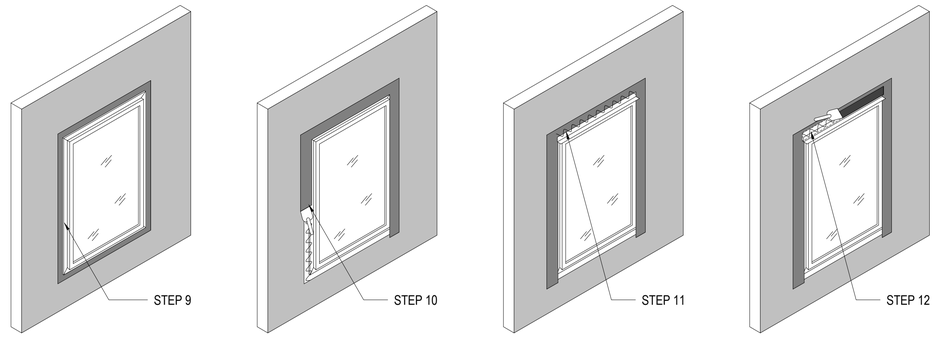


GENERAL NOTE: THIS STANDARD DETAIL IS BASED ON MULTIPLE MANUFACTURER'S FLASHING INSTRUCTIONS FOR A FLANGED WINDOW ABOVE GRADE. FOLLOW INSTALLATION INSTRUCTIONS OF SELECTED LIQUID FLASHING, FLUID-APPLIED VAPOR PERMEABLE MEMBRANE, AND WINDOW MANUFACTURERS. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING.

VIEW FROM OUTSIDE
STEP 1: CLEAN AND PREP OPENING. PRE-FILL ANY JOINTS OR CRACKS LARGER THAN 1/4". FOLLOW MANUFACTURER'S INSTRUCTIONS FOR USE OF SELF-ADHERED FLASHING OR MESH AT OPENING.
STEP 2: APPLY LIQUID FLASHING INSIDE OPENING.
STEP 3: TROWEL SMOOTH, ENSURING THE MINIMUM REQUIRED THICKNESS IS PROVIDED, PER MANUFACTURER.
STEP 4: APPLY LIQUID FLASHING TO THE VERTICAL SURFACE, ALONG THE PERIMETER OF THE OPENING.



VIEW FROM OUTSIDE
STEP 5: TROWEL SMOOTH, ENSURING THE MINIMUM REQUIRED THICKNESS IS PROVIDED, PER MANUFACTURER.
STEP 6: ALLOW LIQUID FLASHING TO DRY COMPLETELY BEFORE PROCEEDING.
STEP 7: APPLY FLUID-APPLIED VAPOR PERMEABLE MEMBRANE. LAP OVER LIQUID FLASHING, PER MANUFACTURER'S INSTRUCTIONS.
STEP 8: INSTALL A CONTINUOUS BEAD OF CAULK AROUND THE JAMB AND HEAD OF THE OPENING WHERE THE WINDOW FLANGE WILL SET. DO NOT INSTALL CAULK AT THE WINDOW SILL - DOING SO WOULD TRAP WATER.



VIEW FROM OUTSIDE
STEP 9: INSTALL WINDOW PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
STEP 10: APPLY LIQUID FLASHING AROUND THE TOP AND SIDES OF THE WINDOW. DO NOT INSTALL ALONG THE BOTTOM OF THE WINDOW.
STEP 11: INSTALL DRIP CAP FLASHING. APPLY LIQUID FLASHING ALONG TOP EDGE OF FLASHING.
STEP 12: TROWEL SMOOTH, ENSURING THE MINIMUM REQUIRED THICKNESS IS PROVIDED , PER MANUFACTURER.

4 FLANGED WINDOW FLASHING

NOT TO SCALE

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Project #:
22-42

Design By:
JBP, DJB, & JHF

Project Date:
10-25-24

Revisions:

CRENSHAW COUNTY
SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

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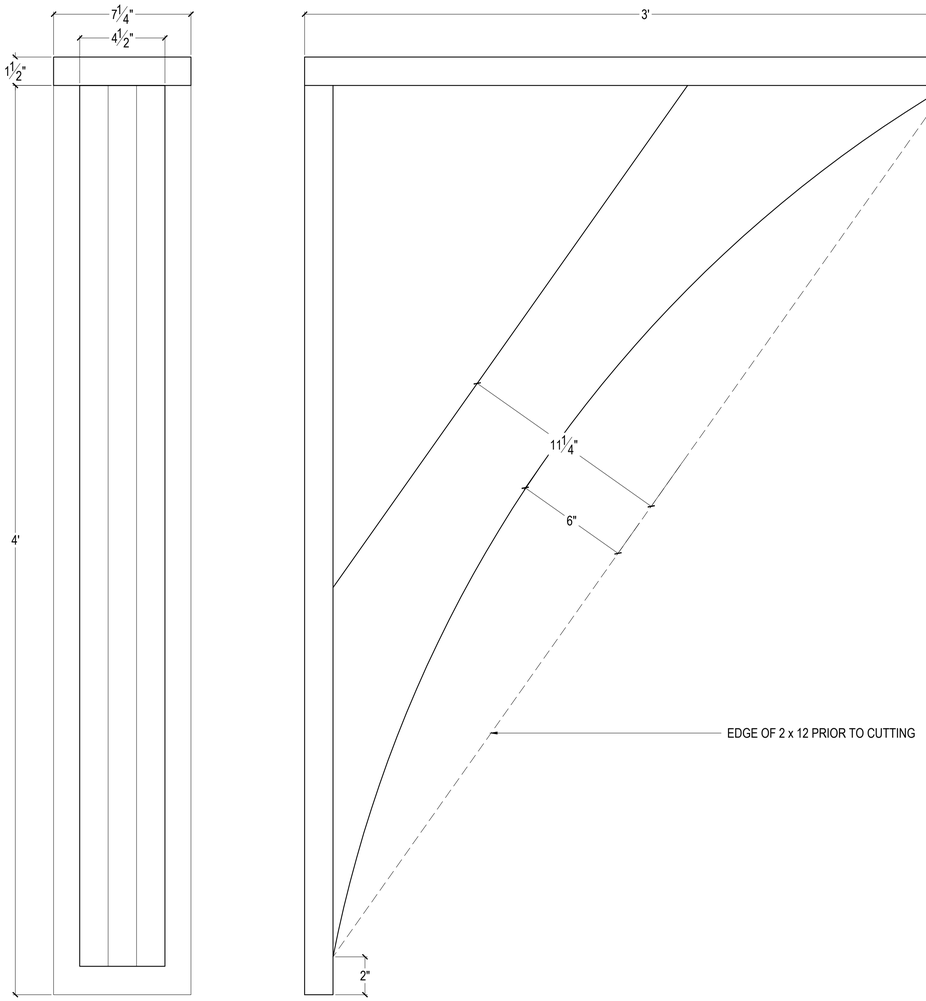
ALABAMA

A6.0

Sheet Number



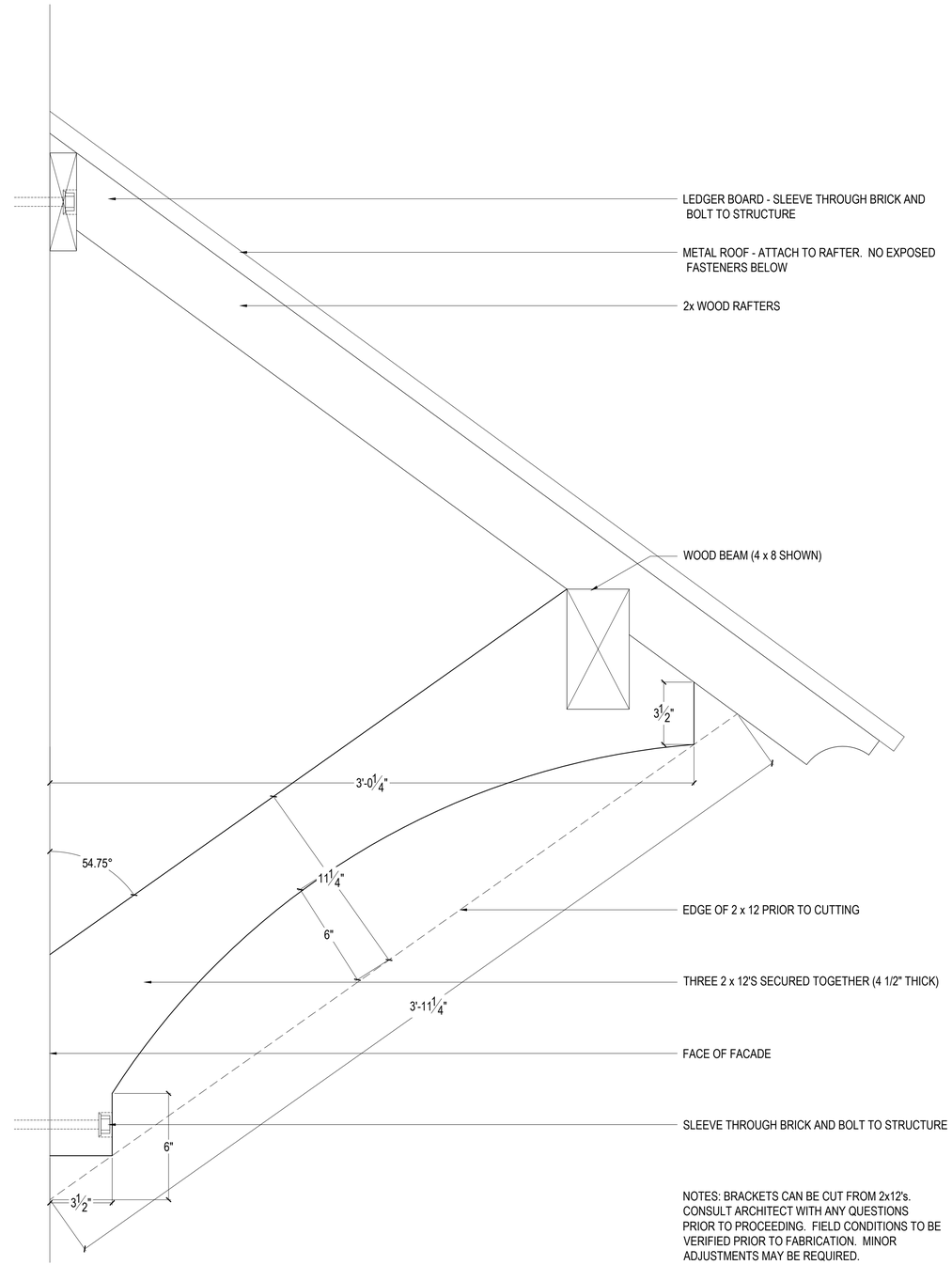
FRONT ELEVATION

SIDE ELEVATION

NOTES: BRACKETS CAN BE CUT FROM 2x12's AND 2x8'S. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. FIELD CONDITIONS TO BE VERIFIED PRIOR TO FABRICATION. MINOR ADJUSTMENTS MAY BE REQUIRED.

1 WOOD BRACKET #1

SCALE: 3" = 1'-0"



NOTES: BRACKETS CAN BE CUT FROM 2x12's. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. FIELD CONDITIONS TO BE VERIFIED PRIOR TO FABRICATION. MINOR ADJUSTMENTS MAY BE REQUIRED.

2 WOOD BRACKET #2

SCALE: 3" = 1'-0"

NOTE:
ALL BRACKETS TO BE CUT FROM ROUGH SAWN CEDAR. MINOR ADJUSTMENTS MAY BE REQUIRED FOR ALL BRACKETS, BASED UPON FIELD CONDITIONS. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.

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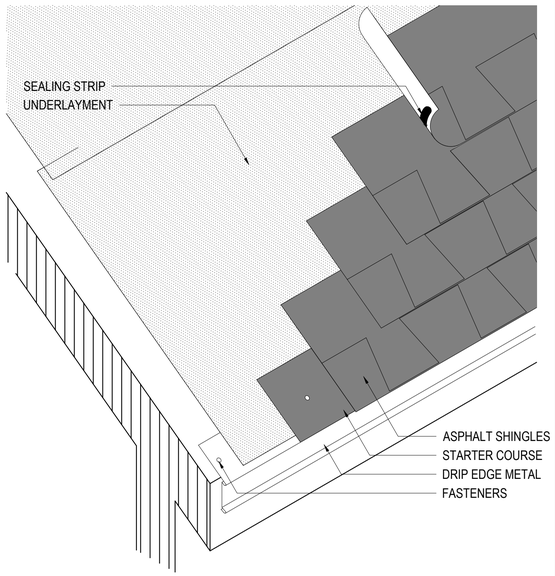
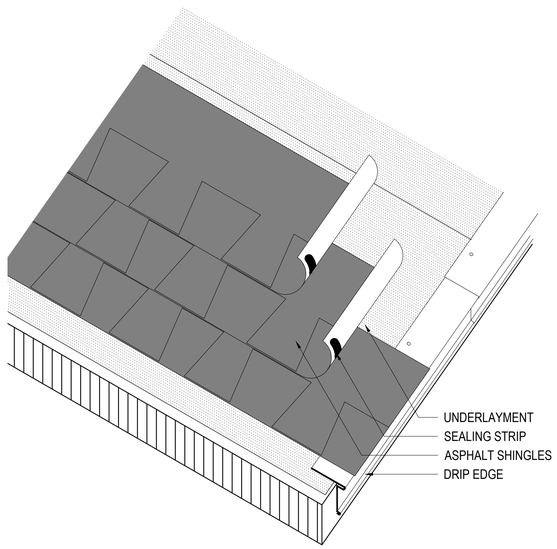
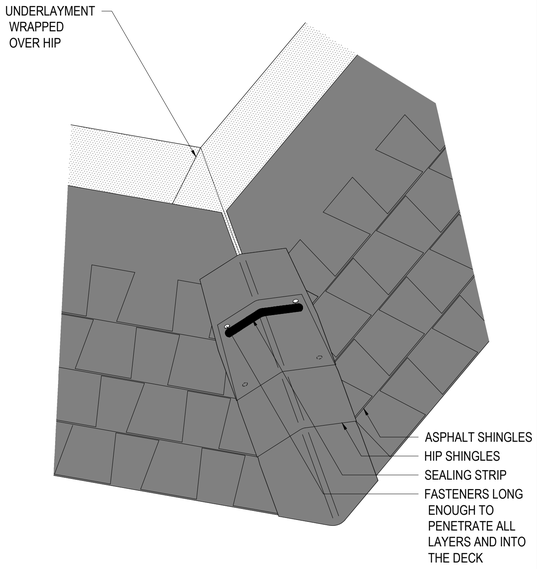


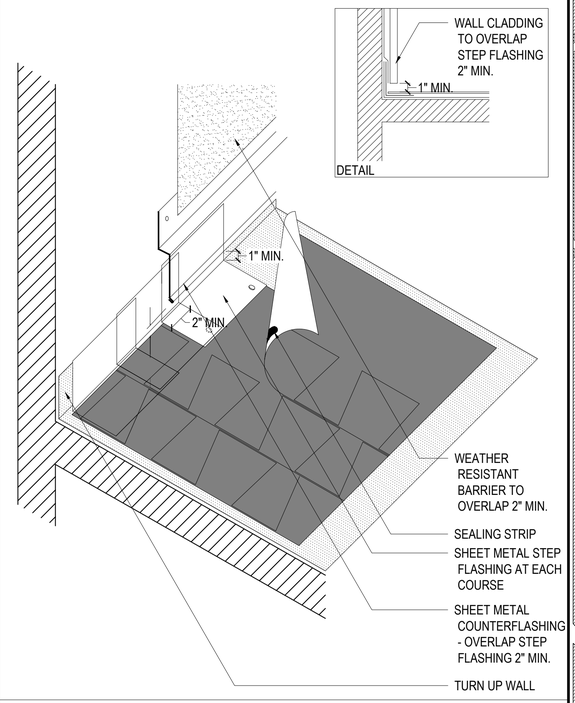
1 EAVE DETAIL
SCALE: 3" = 1'-0"



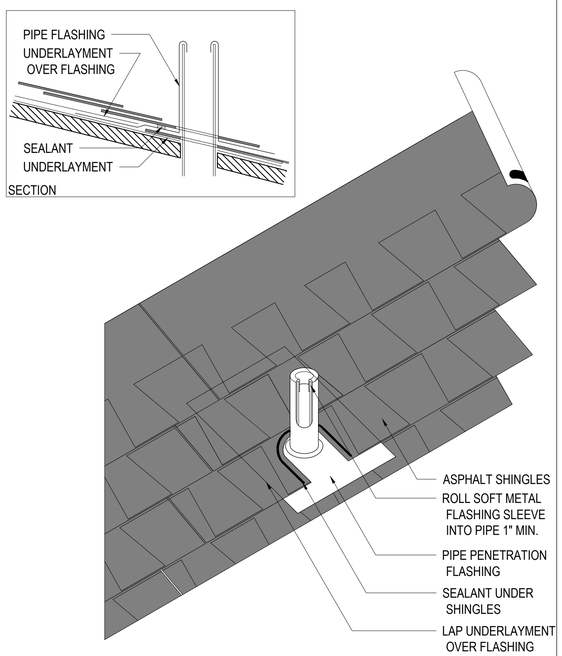
2 RAKE DETAIL
SCALE: 3" = 1'-0"



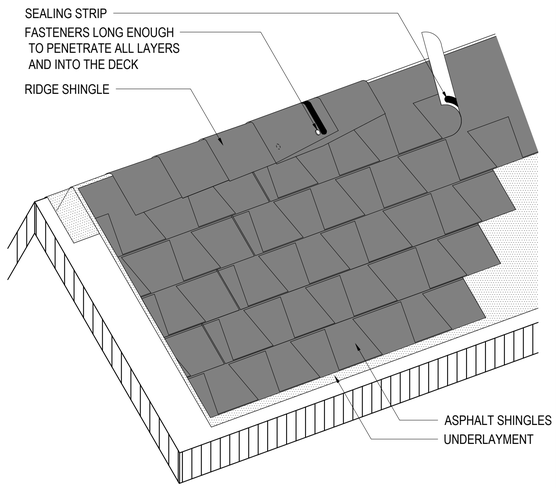
3 HIP DETAIL
SCALE: 3" = 1'-0"



4 SIDEWALL FLASHING DETAIL
SCALE: 3" = 1'-0"



5 VENT PIPE PENETRATION
SCALE: 3" = 1'-0"



6 NON-VENTED RIDGE DETAIL
SCALE: 3" = 1'-0"

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A6.2
Sheet Number

MECHANICAL SPECIFICATIONS & GENERAL NOTES

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. SUBMITTING A BID, THIS CONTRACTOR VERIFIES THAT EXISTING CONDITIONS HAVE BEEN VERIFIED.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. EQUIPMENT SHALL BE AS SCHEDULED PER MODEL NUMBER GIVEN OR AN APPROVED EQUAL. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK.
7. UNLESS NOTED OTHERWISE, DISCONNECTS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
8. STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MANUFACTURER OR MECHANICAL CONTRACTOR.
9. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
10. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
11. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
12. DUCT: EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER, UL LISTED 181A OR 181B FOR TAPES AND MASTICS. DO NOT USE DUCT TAPE OR DUCTBOARD. SHEETMETAL DUCT SHALL BE USED FOR ALL EXHAUST DUCTS, EXCEPT AS REQUIRED FOR CONNECTION TO A UNIT.
13. DUCT INSULATION, FIBERGLASS DUCT WRAP, WITH FOIL FACED VAPOR BARRIER INSULATION SHALL BE U.L. LISTED. PROVIDE R-6 MINIMUM (HIGHER IF REQUIRED PER ENERGY CODE) INSULATION BY JOHNS MANVILLE, OWENS CORNING, OR EQUAL. IF DUCTWORK SUPPORT STRAPS ARE ATTACHED TO THE DUCT THEN LOCATE STRAPS INSIDE THE INSULATION AND SEAL WITH MASTIC AT PUNCTURE. ALL PUNCTURES (STAPLES) AND PENETRATIONS OF THE FOIL VAPOR BARRIER SHALL BE SEALED AIRTIGHT WITH FOIL TAPE AND/OR MASTIC. MASTIC MUST BE APPLIED THICK ENOUGH TO COMPLETELY COVER STAPLES. PERIMETER JOINTS SHALL BE FORMED SUCH THAT THE INSULATION ON THE TOP OF THE DUCT OVERLAPS THE INSULATION ON THE SIDES AND THE SIDES OVERLAP THE BOTTOM. DO NOT COMPRESS THE INSULATION WITH TRAPEZE TYPE HANGERS - WHERE NECESSARY PROVIDE RIGID BOARD INSULATION (6LB DENSITY) THE SAME THICKNESS AS THE INSULATION INSERTED INTO THE INSULATION AT THE HANGER.
14. ALL DUCTWORK SHALL BE CONSTRUCTED BY THE LATEST GUIDELINES OF SMACNA . DUCT AND EQUIPMENT SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS . ALL EXHAUST DUCT UNDER A NEGATIVE PRESSURE AND ALL RETURN DUCT LOCATED IN CEILING PLENUMS SHALL BE CONSTRUCTED TO A MINIMUM PRESSURE CLASS OF NEGATIVE ½" AND ALL JOINTS SHALL BE SEALED TO A SEAL CLASS OF "C" AS DEFINED BY SMACNA. SUPPLY (CONDITIONED AIR) DUCT SHALL BE CONSTRUCTED TO A PRESSURE CLASSIFICATION OF 1" AND SEALED TO A CLASS "C".
15. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE TO ACCOMMODATE LINER. ROUND OR RECTANGULAR DUCT MAY BE USED INTERCHANGEABLY IN CONCEALED AREAS AS LONG AS THE STATIC PRESSURE IN THE DUCT IS NOT INCREASED. PERMISSION SHALL BE OBTAINED FOR CHANGING EXPOSED DUCT.
16. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM, INCLUDING THE EXHAUST AND RETURN AIR SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL. TESTING AGENCY SHALL BE AABC OR NEBB CERTIFIED. EXHAUST AND RETURN SYSTEMS UNDER NEGATIVE PRESSURE SHALL NOT EXCEED BY MORE THAN 10% FOR EACH FAN AND BY NO MORE THAN 10% AT EACH INLET OF THE VALUES INDICATED ON THE DRAWINGS.
17. REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS. ALL MULTI-ZONE/SPLIT REFRIGERANT PIPING SHALL BE INSULATED PER THE MANUFACTURE'S RECOMMENDED THICKNESSES AND TYPE (SUCTION & LIQUID). SLIDE OVER TUBING WITHOUT CUTTING. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE. ALL SEAMS AND JOINTS MUST BE SEALED COMPLETELY. PROVIDE INSULATION PIPE HANGER OR CLAMP SUPPORTS TO AVOID COMPRESSION OF INSULATION. SUPPORTS SHALL BE EQUAL TO ARMACELL ARMAFIX INSULATION PIPE HANGERS. DO NOT LEAVE SECTIONS OF PIPE UN-INSULATED. ALL INSULATION LOCATED OUTSIDE SHALL HAVE TWO COATS OF WEATHER RESISTANT LIQUID COATING WHICH SHALL BE A SOLUTION SUCH AS WB/ARMAFLEX FINISH, FOSTER TITE-FIT COATING OR AS RECOMMENDED BY THE INSULATION MANUFACTURER. INSULATE THE VAPOR (SUCTION) LINE THE ENTIRE LENGTH. INSULATE (SAME AS SUCTION LINE) THE LIQUID LINE WHERE ROUTED IN ATTICS. ROUTE PIPE AS STRAIGHT AS POSSIBLE BETWEEN THE CONNECTED UNITS AND PROVIDE FOR SHORTEST DISTANCE POSSIBLE. PIPE SHALL BE SUPPORTED OUTSIDE ON GRADE AND WITH PIPE CLAMPS OR HANGERS ATTACHED TO UNISTRUT OR CHANNEL SUPPORTS. DO NOT ALLOW SUPPORTS AND PIPE OF DISSIMILAR METALS TO BE IN CONTACT WITH EACH OTHER. CONTRACTORS SHALL OBTAIN (IN WRITING FROM MANUFACTURER) THEIR RECOMMENDATION FOR PIPE SIZING AND ROUTING. DO NOT ALLOW THE LIQUID AND VAPOR (SUCTION) LINES TO COME IN CONTACT WITH EACH OTHER. WHERE PIPE PENETRATES A WALL, PROVIDE A SLEEVE AND SEAL (AROUND THE SLEEVE AND BETWEEN THE PIPE AND SLEEVE) APPROPRIATELY (WEATHER TIGHT, FIRE CAULK IN A FIRE-RATED OR DRAFT STOP WALL). USE STEEL SLEEVE IN FIRE-RATED WALL AND AS STATED BY CODE. ALL INSTALLATION MEANS AND METHODS SHALL BE APPROVED BY THE MANUFACTURER, INCLUDING LINE LENGTHS.
18. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS.
19. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
20. THERMOSTATS SHALL NOT HAVE MERCURY. MOUNT THERMOSTATS 46" AFF UNLESS NOTED OTHERWISE.
21. ALL EQUIPMENT SHALL BE LABELED WITH BAKELITE PLASTIC ENGRAVED NAMEPLATES WITH MINIMUM 1" LETTERING.
22. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM.
23. ACCESS DOORS IN CEILINGS/WALLS SHALL BE A MINIMUM OF 12X12, HINGED, AND FIRE RATED TO MATCH CEILING/WALL RATING. DUCT ACCESS DOORS SHALL BE DOUBLE WALL IF INSTALLED ON SUPPLY DUCT, AND PROVIDED WITH THUMB LATCHES FOR AN AIR TIGHT FIT.
24. WHERE INDICATED IN THE SCHEDULES, SPECIFICATIONS, OR DETAILS, PROVIDE MVDs AT ALL SUPPLY TAKE-OFFS TO DIFFUSERS EVEN IF NOT SHOWN ON PLANS. LOCATE AT MOST PRACTICAL AND ACCESSIBLE LOCATION. IF ABOVE OR IN INACCESSIBLE AREA, PROVIDE ACCESS PANELS OR OTHER MEANS APPROVED BY THE ARCHITECT. WHERE BALANCING DAMPERS ARE ALSO PROVIDED AT THE SUPPLY GRILLE/DIFFUSER (SEE SCHEDULE), BALANCE THE SYSTEM WITH THE DAMPER AT THE TAKE-OFF (NOT AT GRILLE). GRILLE DAMPER SHOULD BE 100% OPEN AFTER TEST AND BALANCE.
25. DO NOT USE TURNING VANES ON RETURN, EXHAUST, OR OA DUCT ELBOWS UNLESS NOTED OR SHOWN AS INSTALLED. INSTEAD USE STANDARD RADIUS ELBOWS.
26. WHEN NOT NOTED, ROUTE DUCTS IN BETWEEN JOIST SPACE FOR BOTTOM FLOOR AIR DISTRIBUTION. OTHERWISE, ALL DUCTWORK WILL BE ABOVE STRUCTURE (IN ATTICS).
27. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.
28. CONTROLS:
    A. EXHAUST FANS TO OPERATE PER DRAWING SCHEDULES.
    B. ALL DUCTLESS MINI/MULTI-SPLIT INDOOR UNITS SHALL OPERATE SUBJECT TO THEIR RESPECTIVE WALL-CONTROLLERS (SEE PLANS).

SPLIT-SYSTEM HEAT PUMP (INDOOR UNIT) SCHEDULE

MARK	LOCATION	CAPACITY (NOM.)	FAN				COOLING CAP. (MIXED AIR.)					ELECTRIC (AUX.) HEATING @ 208V/3ph			ELECTRICAL DATA			BASIS-OF-DESIGN	NOTES
			AIRFLOW TOT.	AIRFLOW OA (MIN.)	E.S.P.		TOT.	SENS.	EAT	EAT	LAT	CKT #1	CKT #2	LAT	UNIT	MCA	MFS		
		[TONS]	[CFM]	[CFM]	[IN. W.G.]	[HP]	[MBH]	[MBH]	[°F DB]	[Fwb]	[°F DB]	kW	kW	[°F DB]	V/PH/Hz	[AMPS]	[AMPS]		
AHU-1	MECH/ELEC 10	4	1435	175	0.75	3/4	46.6	34.1	80.0	67.0	57.6	7.2	--	90.0	208/3/60	32	35	TRANE: GAM5	1~10
AHU-2	STOR/MECH 12	2.5	1060	75	0.75	1/3	30	23.5	80.0	67.0	59.2	7.2	--	90.0	208/3/60	28	30	TRANE: GAM5	1~10

ACCESSORIES/OPTIONS:

1. PROVIDE MATCHING DUAL-COMPRESSOR CONDENSING UNIT HEAT PUMP TO ACHIEVE SCHEDULED SEER.
2. INDOOR UNIT(S) SHALL BE FACTORY-WIRED FOR SCHEDULED CIRCUITING (HEATER & FAN).
3. DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. PROVIDE WITH R-410A CASED COIL & TXV.
5. PROVIDE TOUCH-SCREEN, 24/7 PROGRAMMABLE THERMOSTAT WITH SUBBASE.
6. RESERVED
7. PROVIDE AUXILIARY DRAIN PAN AND SWITCH UNDER AHU.
8. FURNISH & INSTALL DUCT SMOKE DETECTOR IN **SUPPLY** DUCT (IF REQ'D).
9. SUSPEND UNIT ON VIBRATION ISOLATION HANGERS AND ALLOW ROOM FOR TRAPS & AUX. DRAIN PANS (WHERE SCHEDULED).
10. OTHER APPROVED MFRS: CARRIER, LENNOX.

** INDOOR FAN/MOTOR AMPS ARE INCLUDED IN AUX. HEATER CIRCUIT #1

MULTI-PORT SYSTEM SCHEDULE (INDOOR UNITS)

MARK INDOOR	MARK OUTDOOR	SERVES	TYPE	AIRFLOW (HI) [CFM]	AIRFLOW OUTDOOR [CFM]	CAPACITY COOLING [BTU/HR]	CAPACITY HEATING [BTU/HR]	ELECTRICAL [V/ph/Hz]	ELECTRICAL MCA [A]	ELECTRICAL MOCP [A]	BASIS-OF-DESIGN	NOTES:
MSI-1	MSO-1	WOMEN'S 01	WALL-MTD	438	N/A	18000	20000	208/1/60	0.24	15	TRANE/MITSU: TPKFY-P018LM	1~6,8,9,10
MSI-2		MEN'S 03	WALL-MTD	438	N/A	18000	20000	208/1/60	0.24	15	TRANE/MITSU: TPKFY-P018LM	1~6,8,9,10

NOTES/ACCESSORIES:

1. INDOOR EVAPORATOR UNIT, UNITS NOT POWERED FROM ODU (REQUIRES SEPARATE CKT/BREAKER).
2. MATCHING R-410A, AIR-COOLED CONDENSING UNIT, INVERTER COMPRESSOR
3. RATED COOLING CAPACITIES BASED ON EAT OF 80/67 DEG F, OUTDOOR 95 DEG F
4. RATED HEATING CAPACITIES BASED ON EAT OF 70 DEG F, OUTDOOR 47/43 DEG F
5. PROVIDE CONDENSATE LIFT PUMP, WHERE REQUIRED.
6. INSTALL IN-LINE TRAP EQUAL TO RECTORSEAL EZT180 IN EACH RESPECTIVE INDOOR UNIT DRAIN LINE PER IMC 307.
7. FIELD-FAB MIXING BOX/PLENUM, CONNECT OUTSIDE AIR AS SHOWN WITH VOLUME DAMPER(S).
8. WIRED REMOTE CONTROLLER (TAR41MAA)
9. RESERVED
10. APPROVED EQUALS: DAIKIN, LG

MULTI-PORT SYSTEM SCHEDULE (OUTDOOR UNITS)

MARK	TYPE	RATED CAPACITY COOLING [BTU/HR]	RATED CAPACITY HEATING [BTU/HR]	ELECTRICAL [V/ph/Hz]	ELECTRICAL MCA [A]	ELECTRICAL MOCP [A]	SEER2	BASIS-OF-DESIGN	NOTES:
MSO-1	HEAT PUMP	36,000	41,000	208/1/60	29.0	30	23.0	TRANE/MITSU: NTXMSM36A	1~6

NOTES/ACCESSORIES:

1. RATED COOLING CAPACITIES BASED ON EAT OF 80/67 DEG F, OUTDOOR 95 DEG F
2. RATED HEATING CAPACITIES BASED ON EAT OF 70 DEG F, OUTDOOR 47 DEG F
3. SET OUTDOOR UNIT ON 2x TIMBERS, RAILS OR CONRETE PAD, AS SHOWN ON PLANS.
4. SYSTEM MSO-1 TO UTILIZE "Y-JOINTS" SEE DRAWINGS.
5. RESERVED
6. APPROVED EQUALS: DAIKIN, LG

FAN SCHEDULE

MARK	SERVICE	LOCATION (MOUNTING)	AIRFLOW [CFM]	EXT. S.P. [IN. W.G.]	FRPM [RPM]	SOUND (MAX.) [SONES]	WEIGHT (APPROX.) [LBS]	ELECTRICAL MOTOR [HP] (or WATTS)	ELECTRICAL FLA [AMPS]	ELECTRICAL POWER V/Ph/Hz	INTERLOCK WITH:	BASIS-OF-DESIGN	ACCESSORIES
EF-1	WOMEN'S 01	CEILING (CABINET)	210	0.375	1,170	10	35	(135)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A200	1~9
EF-2	FAMILY RR 07	CEILING (CABINET)	95	0.375	950	5	30	(17)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9
EF-3	MEN'S 03	CEILING (CABINET)	210	0.375	1,170	10	35	(135)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A200	1~9
EF-4	JAN. 09	CEILING (CABINET)	75	0.375	950	5	30	(16)	SEE MFR.	120/1/60	WALL SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9
EF-5	RR 11	CEILING (CABINET)	75	0.375	950	5	30	(16)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9
EF-6	RR 13	CEILING (CABINET)	75	0.375	950	5	30	(16)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9

ACCESSORIES/OPTIONS:

1. UL/Cul 507 LISTED - ELECTRIC FAN
2. BACKDRAFT DAMPER (SHIPPED LOOSE), IF NOT INTEGRAL
3. NEMA 1 TOGGLE DISCONNECT, JUNCTION BOX MOUNTED & WIRED
4. SPEED CONTROLLER, IF AVAILABLE (FOR BALANCING)
5. HANGING RODS, VIBRATION ISOLATORS
6. ALUMINUM CEILING GRILLE
7. PITCHED ROOF JACK OR WALL CAP (SEE DRAWINGS)
8. ROUND DUCT CONNECTION KIT
9. OTHER APPROVED MFRS: PENN, COOK

SPLIT-SYSTEM HEAT PUMP (OUTDOOR UNIT) SCHEDULE

MARK	LOCATION	CAPACITY (NOMINAL) [TONS]	COOLING CAP. TOT. [MBH]	COOLING CAP. SENS. [MBH]	AMBIENT OAT [°F DB]	ELECTRICAL DATA POWER V/PH/Hz	MCA [AMPS]	MFS [AMPS]	COMPR. 1 RLA [AMPS]	COMPR. 1 LRA [AMPS]	COMPR. 2 RLA [AMPS]	COMPR. 2 LRA [AMPS]	OUT. FAN QTY.	OUT. FAN FLA (EA.) [AMPS]	SEER2 (MIN.)	BASIS-OF-DESIGN	NOTES
HP-1	GROUND (PAD)	4	46.6	34.1	95	208/3/60	26	40	18.5	124.0	--	--	1	2.8	14.6	TRANE: 4TWA4	1~6
HP-2	GROUND (PAD)	2.5	30	23.5	95	208/3/60	15	25	10.2	71.3	--	--	1	0.77	14.6	TRANE: 4TWA4	1~6

ACCESSORIES/OPTIONS:

1. SEER & HSPF RATINGS BASED ON ARI 210/240; EER RATINGS BASED ON ARI 340/360; COP BASED ON ARI 340/360 @ 47°F DB / 43°F WB.
2. SYSTEM SHALL MEET NEW DOE2 (2023) EFF. STANDARDS, IF APPLICABLE.
3. SECURE CONDENSING UNIT(S) TO CONCRETE PAD, 4" THICK W/ 6" (MIN.) CLEAR ALL AROUND.
4. DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
5. CONTRACTOR SHALL SIZE REFRIGERANT PIPING PER MFR. ACCORDING TO LENGTHS AND SPECIALTIES REQUIRED (SITE GLASS, FILTER DRYERS, ETC.).
6. OTHER APPROVED MFRS: CARRIER, LENNOX.

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Project #: 22-42
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Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

HVAC GENERAL NOTES & SCHEDULES

ALABAMA LICENSED Robert M. Anderson No. 25048 PROFESSIONAL 10/25/2024 ENGINEER ROBERT M. ANDERSON

M1.0
Sheet Number

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	SERVICE	MOUNTING	FACE SIZE	NECK (DUCT) SIZE	MAX RM NC	MAX SP [IN. W.G.]	INTEGRAL DAMPER?	BASIS-OF-DESIGN
A	SA/OA	GYP. BD.	12x12	SEE PLANS	35	0.10	Y	TITUS: TDC-AA
A1	SA/OA	GYP.BD.	9x9	SEE PLANS	35	0.10	Y	TITUS: TDC-AA
A2	SA/OA	GYP.BD.	6x6	SEE PLANS	35	0.10	Y	TITUS: TDC-AA
B	RA	GYP.BD.	SEE MFR.	SEE PLANS	35	0.10	N	TITUS: 50F
D1	SA/OA	DUCT/SIDEWALL	SEE MFR.	8" x 6"	35	0.10	Y	TITUS: 300FS
R	SA/OA	DUCT/SIDEWALL	SEE PLANS	SEE PLANS	35	0.10	N	TITUS: 350FS

NOTES:

1. RUNOUT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS OTHERWISE NOTED.
2. FINISH FOR ALL DEVICES SHALL BE "WHITE", UNLESS OTHERWISE SPECIFIED BY ARCHITECT.
3. IN GENERAL, ADD 2" TO FACE SIZE ALL AROUND FOR BORDER.
4. PROVIDE MANUAL VOLUME DAMPER IN ALL NECKS/RUNOUTS. SEE GENERAL NOTES.
5. OTHER APPROVED MFRS: PRICE, KRUEGGER, TUTTLE & BAILEY, NAILOR

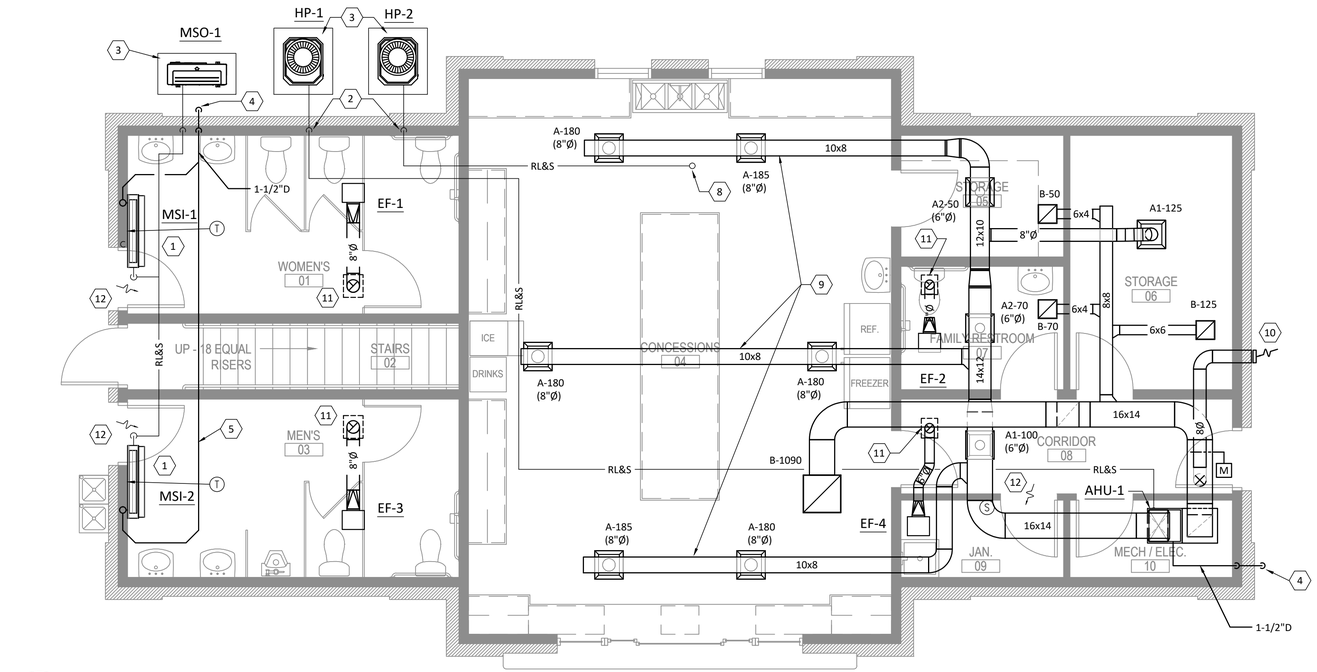
KEYED NOTES

(NOT ALL NOTES APPLY TO THIS SHEET)

1. MULTI-PORT INDOOR UNIT AS SCHEDULED (TYPICAL). COORDINATE INSTALLATION WITH CEILING HEIGHT/ARCHITECTURE.
2. REFRIGERANT LINES DOWN IN WALL. INSULATE ALL LINES PER MFR'S INSTRUCTIONS (MINIMUM). ROUTE TO EQUIPMENT AS SHOWN.
3. CONDENSING UNIT(S) ON CONCRETE PAD OR HARDSCAPE - SEE DETAILS. AVOID UNIT POSITION DIRECTLY UNDER ROOF DRIP LINE. ADHERE TO ALL MFRS' INSTALLATION INSTRUCTIONS AND CLEARANCES.
4. ROUTE CONDENSATE DRAIN AS SHOWN. DISCHARGE TO GRADE IS PREFERRED WITH APPROVAL FROM LOCAL JURISDICTION. MAY REQUIRE DRY WELL.
5. PUMPED CONDENSATE (TYPICAL). ALSO REFER TO MULTI-PORT/DUCTLESS EQUIP. MFR.
6. 6"Ø VENTILATION AIR INTAKE FROM ROOF CAP. PROVIDE INSECT SCREEN. SIZE FOR 0.1" W.C. STATIC PRESSURE (MAX.).
7. SEE 1ST FLOOR FOR CONTINUATION.
8. REFRIGERANT LINESET DOWN FROM AHU-2. ROUTE IN JOIST SPACE AND DOWN TO HP-2 AS SHOWN.
9. DUCTS SHALL RUN UP IN BETWEEN JOIST SPACING. ANY DUCT/PIPE BORES IN TRANSVERSE ROUTING SHALL BE NO MORE THAN 8" Ø PER GIVEN LOCATION. VERIFY WITH STRUCTURAL.
10. VENTILATION AIR INTAKE. CENTERED HIGH IN GABLE & TERMINATE AT ARCHITECTURAL WALL LOUVER (SEE ARCH). PROVIDE INSECT SCREEN. SIZED FOR 0.1" W.C. STATIC PRESSURE (MAX.).
11. EXHAUST DISCHARGE THRU WALL CAP OF ROOF JACK AS SHOWN (ALSO SEE FAN SCHEDULE). SIZE FOR 0.1" W.C. STATIC PRESSURE (MAX.).
12. ALUMINUM DOOR LOUVER. SEE ARCHITECTURAL.

HVAC LEGEND

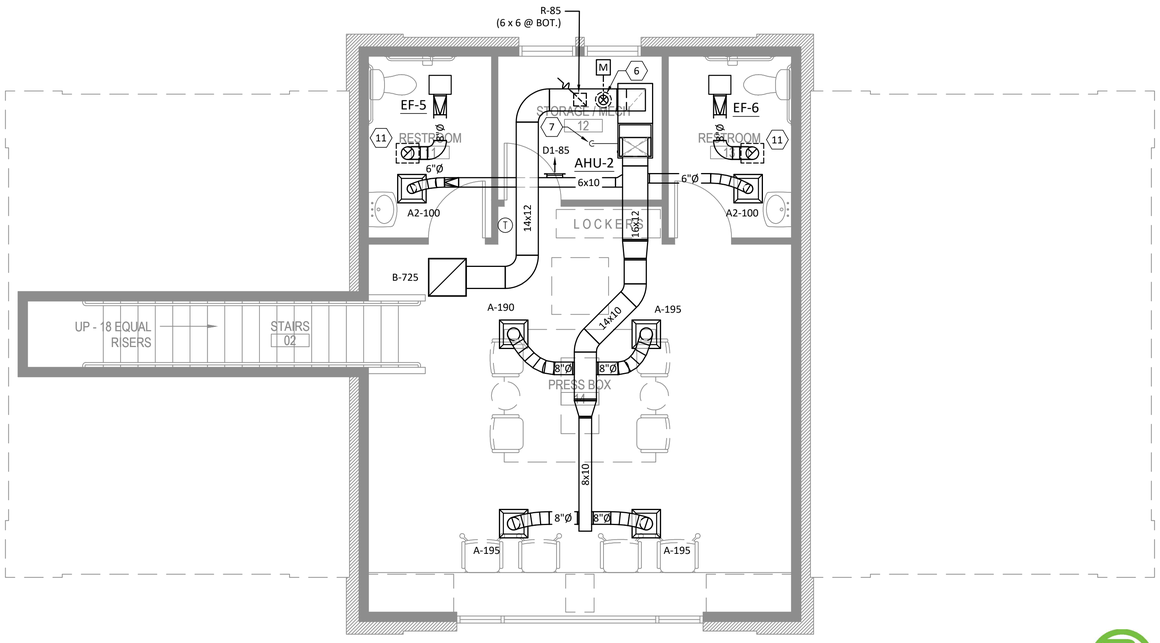
SYMBOL		DESCRIPTION
EF-1		EQUIPMENT DESIGNATION (EF-1)
		SUPPLY AIR DISTRIBUTION DEVICE
		RETURN/EXHAUST AIR DEVICE
		DUCTWORK (POSITIVE PRESSURE)
		DUCTWORK (NEGATIVE PRESSURE)
18x12		DUCT SIZE IN INCHES (RECTANGULAR)
10"Ø		DUCT SIZE IN INCHES (ROUND)
T RTU-1		THERMOSTAT (EQUIPMENT CONTROLLED)
S		DEDICATED WALL SWITCH
		TIME CLOCK
S		DUCT MOUNTED SMOKE DETECTOR
		DUCT TRANSITION
U.C. 1/4" 3/4"		DOOR UNDERCUT
D.G. 24"x24"		DOOR GRILLE (SIZE)
	MVD	MANUAL VOLUME DAMPER
M	MD	MOTORIZED DAMPER
	AHU	AIR HANDLING UNIT
	UH	UNIT HEATER
	MSI	MULTI-SPLIT SYSTEM - INDOOR UNIT
	MSO	MULTI-SPLIT SYSTEM - OUTDOOR UNIT
	OA	OUTSIDE AIR
	MFR	MANUFACTURER



2 HVAC 1ST FLOOR PLAN

1/4" = 1'-0"

NORTH



2 HVAC 2ND FLOOR PLAN

1/4" = 1'-0"

NORTH

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HVAC FLOOR PLANS & LEGEND

NOT FOR CONSTRUCTION • PRELIMINARY • NOT FOR CONSTRUCTION

M1.1

Sheet Number

CITY MULTI

SYSTEM SCHEMATIC DWG.

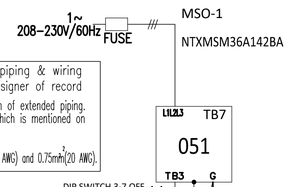
DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
///	POWER WIRE
———	CONTROL WIRE
———	REF. PIPE

CONT.No | PAGE

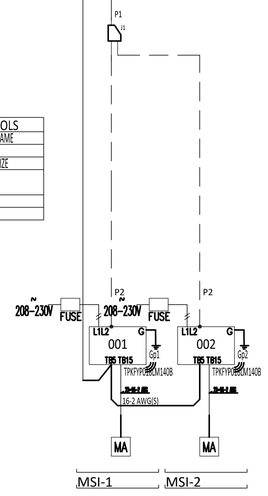
This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

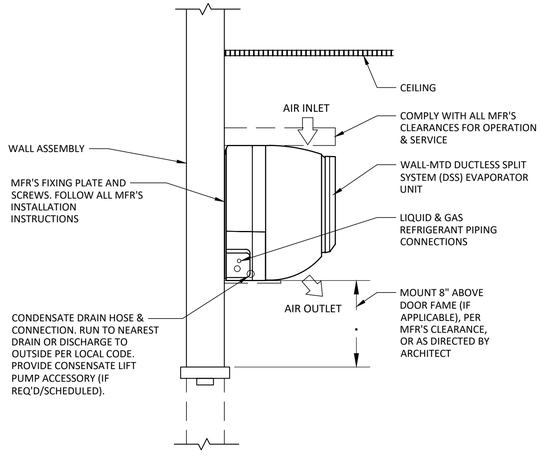


PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-Y62-G-E
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	3/8 " / 5/8 "
P2	1/4 " / 1/2 "
SYMBOL	MODEL NUMBER
MA	TAR-41MAAU



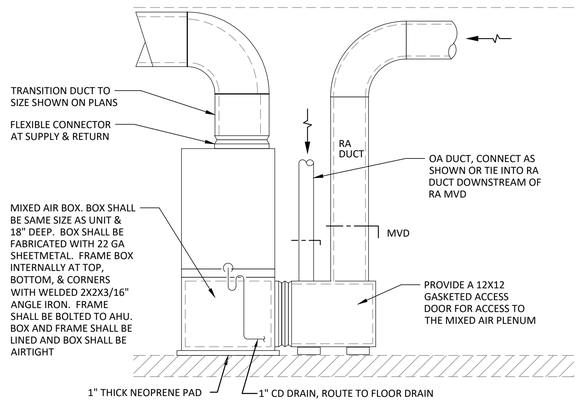
8 MULTI-SPLIT SYSTEM SCHEMATICS - FOOTBALL/SOCCER

NO SCALE



9 DUCTLESS MINI-SPLIT WALL-MTD UNIT

SCALE: NONE TAGS: MSI-1&2

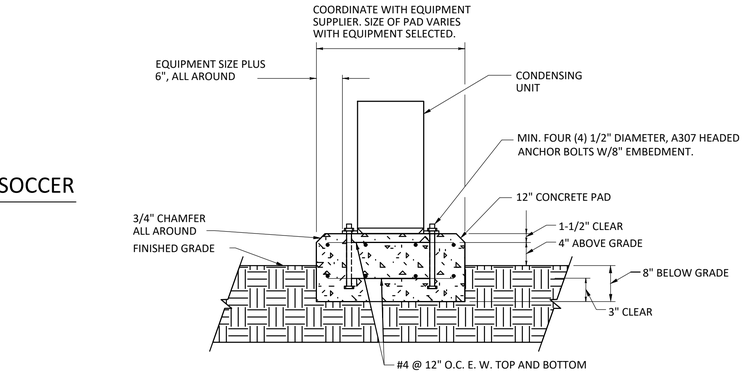


NOTES:

1. LINE SUPPLY DUCT FIRST 10 FT FROM UNIT DISCHARGE
2. DUCTWORK CONFIGURATION IS GENERAL. ADAPT AS NECESSARY TO FIT SPACE AND FLOOR PLAN LAYOUT

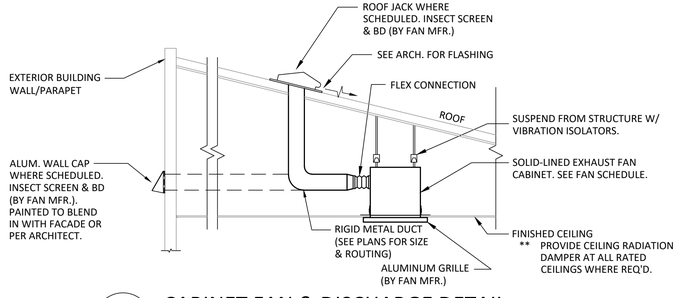
5 VERTICAL AIR HANDLER DETAIL

NTS TAGS: AHU-1



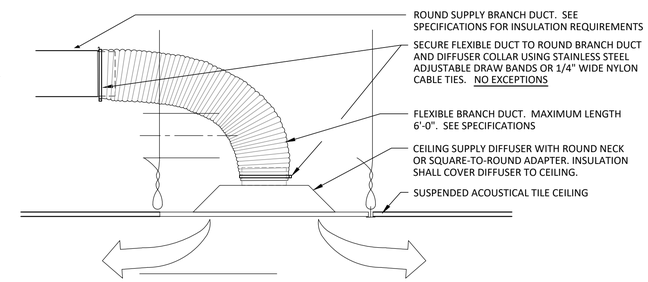
6 EQUIPMENT PAD DETAIL

NTS



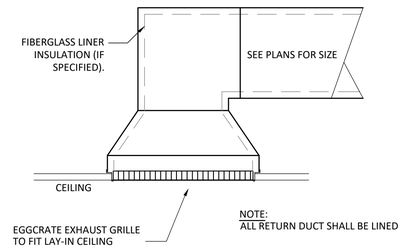
7 CABINET FAN & DISCHARGE DETAIL

SCALE: NONE TAGS: EF-1~6



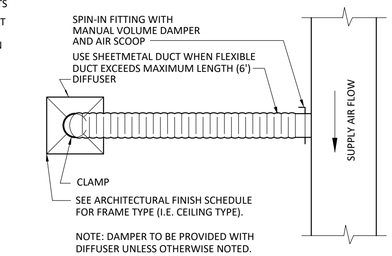
3 FLEXIBLE SUPPLY BRANCH DUCT DETAIL

NTS



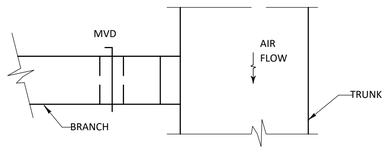
4 INSULATED RETURN AIR DETAIL

NTS



1 FLEXIBLE SUPPLY RUNOUT DETAIL

NTS



2 TYPICAL BRANCH DUCT DETAIL

NTS

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HVAC DETAILS

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M2.1

Sheet Number

PLUMBING LEGEND

4"S	EXIST. SANITARY WASTE PIPING
4"GR	EXIST. GREASE WASTE PIPING
¾"CW	COLD WATER PIPING
4"S	SANITARY WASTE PIPING
3"D	DRAIN PIPING
2"V	VENT PIPING
½"CW	COLD WATER PIPING
½"HW	HOT WATER PIPING
½"HWR	HOT WATER RETURN PIPING
3"ST	STORM WATER PIPING
2"CD	CONDENSATE PIPING
½"G	NATURAL GAS PIPING (LOW PRESSURE)
HPG	NATURAL GAS PIPING (HIGH PRESSURE)
4"SODA	PVC SODA CONDUIT
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	BALL VALVE
	SWING CHECK VALVE
	CALIBRATED BALANCING VALVE
	WATER HAMMER ARRESTER
	POINT OF CONNECTION

ABBREVIATIONS

AC	ABOVE CEILING
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISED GRADE
AS	ABOVE SLAB
AW	ACID WASTE
AV	ACID VENT
BFF	BELOW FINISHED FLOOR
BG	BELOW GRADE
BS	BELOW SLAB
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
CW	COLD WATER
CWS	COLD WATER SERVICE
DN	DOWN
EXIST.	EXISTING
FAV	FRESH AIR VENT
FA VTR	FRESH AIR VENT THRU ROOF
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFEL	FINISHED FLOOR ELEVATION
G	GAS
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
H/C	HOT AND COLD WATER
HPG	HIGH PRESSURE GAS
HW	HOT WATER
HWR	HOT WATER RETURN
INV EL	INVERT ELEVATION
MBH	THOUSAND BTU PER HOUR
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N/A	NOT APPLICABLE
PDI	PLUMBING DRAINAGE INSTITUTE
PH	PHASE
S	SOIL
SAN	SANITARY
SK	SINK
ST	STORM
TP	TRAP PRIMER
TYP	TYPICAL
U.N.O .	UNLESS NOTED OTHERWISE
V	VENT
VTR	VENT THRU ROOF
W	WASTE
WCO	WALL CLEANOUT

PLUMBING NOTES

GENERAL CONDITIONS

1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THE CONTRACT DRAWINGS.
3. THE BIDDERS SHALL INSPECT THE PRESENT JOB SITE CONDITIONS BEFORE PREPARING A BID. THE SUBMISSION OF A BID WILL BE CONSIDERED EVIDENCE THAT SUCH A VISIT AND INSPECTION WAS PERFORMED BY THE BIDDER AND THAT HE TAKES FULL RESPONSIBILITY FOR ALL FACTORS GOVERNING HIS WORK.
4. THE CONTRACTOR IS EXPECTED TO PROVIDE PROFESSIONAL WORK PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND GOOD PRACTICE. WORK SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT.
5. THE CONTRACTORS ARE EXPECTED TO FIELD VERIFY ALL DIMENSIONS. CONTRACTORS ARE EXPECTED TO ACCOUNT FOR FIELD CONDITIONS. CONTRACTORS ARE EXPECTED TO COORDINATE IN ORDER TO AVOID INTERFERENCE BETWEEN TRADES. CONTRACTORS ARE EXPECTED TO INSTALL EQUIPMENT SUCH THAT PROPER MAINTENANCE CLEARANCES ARE MAINTAINED FOR EQUIPMENT OF ALL TRADES. IF CHANGES TO THE CONTRACT DOCUMENTS ARE NECESSARY TO AVOID CONFLICTS, THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING CLARIFICATION IN A TIMELY FASHION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEFICIENCIES ASSOCIATED WITH WORK PERFORMED BEFORE OBTAINING CLARIFICATION.
6. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL CLEAN SPACES THAT WERE OCCUPIED BY TEMPORARY WORK AND TEMPORARY FACILITIES. REMOVE DEBRIS, RUBBISH AND EXCESS MATERIALS FROM THE SITES. REPAIR DAMAGES CAUSED BY INSTALLATION OR USE OF TEMPORARY FACILITIES.

GENERAL PLUMBING NOTES

1. PLUMBING PLANS ARE SCHEMATIC. LOCATE PIPING TO AVOID FIELD INTERFERENCES. CHANGES IN THE PIPING SCHEMATIC REQUIRE PRIOR APPROVAL OF THE ENGINEER.
2. TRANSITION CONNECTION BETWEEN SITE PIPING AND BUILDING PLUMBING SHALL OCCUR IN AN ACCESSIBLE GREEN SPACE.
3. THE CONTRACTOR IS EXPECTED TO VERIFY DIMENSIONS AND FIELD FABRICATE PIPING AS NECESSARY TO ACCOMMODATE CONDITIONS.
4. PRIOR TO ANY NEW WORK THE CONTRACTOR SHALL VERIFY BY ALL MEANS AVAILABLE THE DIRECTION OF FLOW OF ALL EXISTING PIPING THAT WILL BE TIED INTO FOR THE NEW WORK. REPORT TO THE ENGINEER ANY DIFFERENCES FROM WHAT THE CONTRACT DOCUMENTS SHOW.

MATERIALS AND DEVICES

1. ALL MATERIALS, EQUIPMENT AND APPARATUS COVERED BY THIS SPECIFICATION SHALL BE NEW, OF CURRENT MANUFACTURE.
2. SEE PROJECT SPECIFICATIONS FOR MATERIALS.
3. CONNECTION JOINTS BETWEEN PLASTIC AND METALLIC PIPE SHALL BE MADE WITH TRANSITION FITTING FOR THE SPECIFIC PURPOSE.
4. CONNECTIONS TO WATER HEATERS AND BETWEEN FERROUS AND NONFERROUS METALLIC PIPE SHALL BE MADE WITH DIELECTRIC FITTINGS.

PIPING NOTES

1. INSTALL GRAVITY LINES AT UNIFORM GRADES.
2. INSTALL SLEEVES AT ALL PENETRATIONS WHERE CONCRETE MIGHT CONTACT COPPER PIPING. PROVIDE SLEEVES AND SEAL ALL PENETRATIONS OF FULL HEIGHT WALLS AIR TIGHT. PROVIDE SLEEVES AT ALL PENETRATIONS OF FLOOR. PROVIDE POLY PIPE COVER OR INSULATION WHERE WATER, SOIL, OR WASTE PIPING IS ENCASED WITHIN EXTERIOR WALLS.
3. LOCATE ALL VALVES AND OTHER DEVICES WHICH REQUIRE MAINTENANCE IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS IF NECESSARY.
4. PIPING INSTALLATIONS ARE EXPECTED TO BE RIGID. SUPPORT AND SECURE PIPING IN ACCORDANCE WITH GOOD PRACTICE.
5. SEE SPECIFICATIONS FOR HOT WATER PIPING INSULATION REQUIREMENTS. PROFESSIONAL INSTALLATION IS EXPECTED.
6. LABEL ALL HOT, TEMPERED & COLD DOMESTIC WATER SUPPLY & RETURN PIPING AT EACH VALVE LOCATION & NO LESS THAN 20' O.C.

FIXTURES AND TRIM:

1. EQUIPMENT SHALL BE UNDAMAGED AND CLEANED.
2. ALL EXPOSED SINK AND LAVATORY DRAIN PIPING SHALL BE CHROME PLATED BRASS NO LESS THAN 17 GAUGE. TRAPS SHALL BE 17 GAUGE FULLY CAST BRASS WITH CLEANOUT PLUGS.
3. PVC PIPING IS ALLOWED FOR SKULLERY SINK DRAINS.
4. ESCUTCHEONS SHALL BE CHROME PLATED CAST BRASS WITH SET SCREW.

CLOSEOUT, TESTING AND INSPECTIONS

1. COORDINATE INSPECTIONS WITH THE SPECIFICATIONS.
2. ALL DOMESTIC WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE 2015 INTERNATIONAL PLUMBING CODE.
3. ALL WATER SUPPLY PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE 2015 INTERNATIONAL PLUMBING CODE, BUT NOT LESS THAN 100 PSI.
4. ALL WASTE AND VENT PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE 2015 INTERNATIONAL PLUMBING CODE, BUT NOT LESS THAN 10' OF HEAD.
5. CONTRACTOR SHALL CAMERA SEWER LINES AND PROVIDE SMOKE TEST OF THE ENTIRE WASTE AND VENT SYSTEM.
6. NO PIPING SHALL BE COVERED OR CLOSED UP BEFORE INSPECTION AND APPROVAL. PROVIDE TEST TEES AT CONNECTION TO EXISTING AT EACH FLOOR & AS NEEDED FOR COMPLETE TESTING.

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Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

PLUMBING NOTES AND LEGEND

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P0.1
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PLUMBING SPECIFICATIONS

PART 1 – GENERAL

DESCRIPTION OF THE WORK

The extent of the work is indicated on the Drawings. In general, the work consists of, but is not limited to, the following:

Hot and cold water supply piping and all valves, fittings, etc.
A system of waste and vent piping.
Plumbing fixtures.
Domestic water heater

RELATED WORK

Site Utilities have generally been completed under other contracts.
Electrical wiring is specified in the Electrical Sections.

QUALITY ASSURANCE

All materials and installations are to comply with the following. If conflicts occur between plumbing codes and the specifications, the most restrictive requirements shall govern.

International Building Code (IBC) 2015 Edition
ICC A117.1 2009 Edition
Americans With Disabilities Act (ADA) 2010
International Energy Conservation Code (IECC) 2015 Edition
International Plumbing Code (IPC) 2015 Edition
International Fuel Gas Code (IFGC) 2015 Edition
International Mechanical Code (IMC) 2015 Edition
National Electrical Code (NEC) 2014 Edition

Furnish and install equipment having the characteristics and accessories indicated on the drawings or in these specifications. The manufacturer's specifications for the models shown on the drawings or given as basis for design, plus all features, options, and accessories indicated on the drawings or in these specifications, whether or not standard for the model scheduled or offered as a substitute, shall constitute the minimum requirements for equipment furnished under this section.

SUBMITTALS

Submit to the Architect/Engineer for approval (1) digital copies of brochures, technical data and/or shop drawings not limited to the following, and as many additional copies as required for Contractor use:

Water heater.
Plumbing fixtures.
Grease Interceptor.
Piping, Valves, cleanouts, and floor drains.

CHANGES

The Drawings indicate generally the locations of plumbing fixtures, apparatus, piping, etc., and while these are to be followed as closely as possible, if before installation, it is found necessary to change the location of same to accommodate the conditions at the building, such changes shall be made without additional cost to the Owner and as directed by the Architect/Engineer.

PART 2 – PRODUCTS

PLUMBING FIXTURES, TRIM AND FITTINGS

Furnish and install all plumbing fixtures and trim, floor drains and cleanouts as shown on the Drawings. Fixtures shall be as specified or equivalent quality fixtures by American Standard, Kohler, Universal Rundle or Eljer.
Provide all items of brass and chrome plated finish except where otherwise noted.
Brackets, Anchors, and Cleats: Furnish and install where required for support, conceal behind finished wall.

ELECTRIC WATER HEATERS

Water heaters shall have dual electric immersion type elements; each with thermostatic controls. Unit shall have manual reset high limit switch, magnesium anode rod, drain valve and ASME relief valve.
Tanks shall be glasslined, welded steel rated for a working pressure of 150 psi. Insulation shall provide a maximum U value of 0.1 Btu/ft2–oF.
Tank shall have a minimum 5 year warranty. All other parts shall be warranted for one year.
Heater sizes and capacities are scheduled on the Drawings.

PIPING

Where more than one material is specified for a particular application, the contractor may select.
All materials shall comply with latest ASTM specifications in each instance that ASTM has specifications and standards relating to such materials.
Sanitary Waste and Vent

Cast Iron Soil Pipe, service weight bell and spigot; ASTM A 74, with neoprene single service compression gaskets.
PVC Sewer Pipe, schedule 40, ASTM D2665.
Cast Iron Soil Pipe, service weight no–hub, ASTM A 74, with neoprene gasket and stainless steel band and screw assemblies conforming to CISPI Standard 301. May be used for vent piping. May be used for drain piping only where space prohibits use of bell's spigot piping.
Copper tubing, Type L, conforming to ASTM B88, with brazed or solder–joint copper, brass or bronze fittings conforming to ANSI B16.18 or B16.22.
Copper tubing, DWV grade, hard temper conforming to ASTM B306, with solder joint, cast bronze fittings conforming to ANSI B16.23. Tubing larger than 2 inches shall use wrought copper fittings conforming to ANSI B16.29.

Condensate Waste Pipe Above Grade

Copper tubing, DWV grade, hard temper conforming to ASTM B306, with solder joint, cast bronze fittings conforming to ANSI B16.23. Tubing larger than 2 inches shall use wrought copper fittings conforming to ANSI B16.29.

Condensate Waste Pipe Below Grade

PVC Sewer Pipe, schedule 40, ASTM D2665.

Domestic Water Pipe below ground: Water service pipe and shall conform to NSF 61

Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing conforming to ASTM D2846

Copper or copper–alloy tubing (Type K) conforming to ASTM B75 with bituminous coating

Cross–linked polyethylene (PEX) plastic tubing conforming to ASTM F876. No PEX piping shall be installed where it is exposed to direct sunlight.

Domestic Water Pipe above ground: Water distribution pipe and tubing shall conform to NSF 61

Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing conforming to ASTM D2846

Copper or copper–alloy tubing (Type L) conforming to ASTM B75

Cross–linked polyethylene (PEX) plastic tubing conforming to ASTM F876. No PEX piping shall be installed where it is exposed to direct sunlight.

Natural gas pipe:

Steel pipe complying ASTM A 53 with malleable iron threaded fittings.

Threaded fittings shall be threaded class 150 malleable iron, conforming to ANSI B16–3. the fittings shall be black or galvanized to match the pipe with which they are to be used and shall be suitable for a working pressure of 250 psig.

Natural gas piping shall be painted yellow. Thoroughly clean and apply primer to pipe prior to painting.

Exposed Pipe in Toilet Areas:

Exposed pipe shall be chrome plated brass, American Brass Co., or equivalent. Furnish and install chrome plated brass wall plates.

Lavatory and Similar Waste Arms:

Type M or L copper water tube, Mueller or equivalent.

PIPE ACCESSORIES:

Pipe sleeves: metal (pvc may be used where appropriate) sized to allow minimum clearance between pipe and sleeves or insulation and sleeves.
Provide chrome–plated brass escutcheon plates where exposed pipe passes through walls, floors, or ceiling in finished areas.
Furnish and install dielectric or isolation fittings at all points where copper pipe connects to steel pipe.
Adjustable wrought clevis type hanger and rods: Grinnel Company or equivalent. Provide copper hangers for copper piping.

Install water hammer arrestors as required.

VALVES

Copper or copper alloy conforming to ASME A112.4.14

Chlorinated polyvinyl chloride (CPVC) plastic conforming to ASME A112.4.14.

TRAPS

For Lavatories and Sinks: Brass, chrome plated.

PIPING INSULATION SCHEDULE, GENERAL

Acceptable preformed pipe and tubular insulation materials and thicknesses are identified for each piping system and pipe size range. If more than one material is listed for a piping system, selection from materials listed is Contractor's option.

Items Not Insulated: Unless otherwise indicated, do not install insulation on the following:
1. Drainage piping located in crawl spaces.
2. Underground piping.
3. Chrome–plated pipes and fittings unless there is a potential for personnel injury.

INDOOR PIPING INSULATION SCHEDULE

Domestic Cold and Non–potable Cold Water: Insulation shall be:
Flexible Elastomeric: 3/4 inch thick for pipe sizes less than 1–1/4 inches, 1 inch thick for pipe sizes 1–1/2 inches and greater

Domestic Hot, and Re–circulated Hot Water and Tempered Water: Insulation shall be:
Flexible Elastomeric: 1 inch thick.

Exposed Sanitary Drains, Domestic Water, Domestic Hot Water, and Stops at lavatories shall be insulated and finished with Truebro Model No. 102 "Lav–Guard" or Brocar "Trap–Wrap" white insulation kit.

Sanitary Waste Piping Where Heat Tracing Is Installed, insulation shall be:
Mineral–Fiber, Preformed Pipe Insulation, Type I: 1–1/2 inches thick.

OUTDOOR, ABOVEGROUND PIPING INSULATION SCHEDULE

Domestic Cold, Hot, and Recirculated Hot Water: Insulation shall be:
Flexible Elastomeric: 2 inches thick.

Sanitary Waste Piping Where Heat Tracing Is Installed: Insulation shall be:
Mineral–Fiber, Preformed Pipe Insulation, Type I: 2 inches thick.

OUTDOOR, FIELD–APPLIED JACKET SCHEDULE

Install jacket over insulation material. For insulation with factory–applied jacket, install the field–applied jacket over the factory–applied jacket.

Piping, Exposed: PVC: 20 mils thick.
Aluminum, Smooth or Corrugated or Stucco Embossed: 0.016 inch thick.

PART 3– EXECUTION

INSTALLATION OF WATER HEATERS

Provide ball valves on both the incoming cold water and leaving hot water supply piping. Provide unions to facilitate replacement of the storage tank and/or heater. Provide storage tank drain.
Heat trap shall be installed in the hot water supply piping.

INSTALLATION OF PIPING

On vertical sanitary drain lines, connect all soil and waste inlets through sanitary tees, wyes, or wyes and eighth bends. Short radius fittings may be used for vent piping. On horizontal lines connect all waste and soil connections through wyes or wyes and eighth bends. Double branch fittings may be used on vertical lines and horizontal runs, providing proper grades can be maintained.

Make joints in PVC plastic pipe with solvent cement in accordance with pipe manufacturer's instructions.
Lay horizontal drain pipes to uniform grade; riser pipes, vertical. Make changes in directions of drain pipes with long bends. No screwed joints permitted in drain pipes, except as described herein.
Lay all sewers and branches, where practicable, on undisturbed earth cut at proper grade. Where laid on fill, provide adequate supports to maintain pitch of the line.
Sizes of risers and mains of water system piping shall be as designated on the Drawings. Verify any omitted sizes before installation.
Cover pipe openings at all times that the work is not in progress at that point.
Cut brass and copper pipe by means of hacksaw. Remove all burrs and metal chips, dirt, etc., before joining pipe. Chrome plated pipe shall show no wrench marks after installation; no threads shall show.
Adequately support all piping above floors inside the building from or on the building structure. Support piping suspended from the building structure by means of the specified pipe hangers and rods. Make maximum spacing between pipe supports as follows:

Nominal Pipe Size	Maximum Span
3/4" and under	5'
1"	7'
1–1/4"	7'
1–1/2"	9'
2"	10'
2–1/2"	11'
3"	12'
4"	14'

Sanitary and storm drain piping shall be supported by at least one hanger on each full length of pipe close to hub where possible and at least one within 24 inches of each fitting, and wherever else required to prevent tendency toward deflection due to load. Provide a hanger at upper angle at each drop. Locate hangers adjacent to hubs on multiple fittings not more than four feet on centers.
For support spacing of all other horizontal piping refer to MSS–SP–69 and provide additional supports at valves, strainers, in line pumps and other heavy components. Provide a support within one foot of each elbow.
Vertical Pipe Supports: Up to 6 inch 60 feet long or not over 12 inch pipe up to 30 feet long, Riser clamps bolted to pipe below couplings, or welded to pipe and resting securely on the building structure. Vertical pipe larger than the foregoing, support on base elbows or tees, or substantial pipe legs extending to the building structure. Vertical runs less than 15 feet long may be supported by the hangers on the connecting horizontal runs.
Bases of drain stacks: If not buried in earth support on concrete, brick in cement mortar, or metal brackets permanently attached to building structure.
Make joints in PVC plastic pipe with solvent cement in accordance with pipe manufacturer's instructions.

INSTALLATION OF VALVES

Isolate all major piping assemblies as shown on the Drawings and as required for proper operation and maintenance. All valves shall be accessible. Provide valve boxes and access panels where required for accessibility.
Install service valve for hot and cold water at each plumbing fixture.

INSTALLATION OF TRAPS

Trap each fixture by water sealing trap placed as near the fixture as possible.
Vent all traps and place within 5 feet of the fixture which it serves unless otherwise noted.

INSTALLATION OF PIPE SLEEVES

Install pipe sleeves at all locations where pipe passes through walls, floors, or ceilings above or below grade.
Where subject to moisture or weather, seal sleeves with watertight sealant.

INSTALLATION OF FIXTURES, TRIM, AND FITTINGS

Install the fixtures, trim and fittings specified, taking care to properly anchor each fixture.
Installation of carriers shall comply with manufacturers' maximum recommendations. Carriers shall be bolted to floor slab using all bolt holes or slots provided on carrier. Bolt size shall match hole or slot. Provide lock washer on each bolt. Use "Red Head" self drilling anchors as manufactured by Phillips Drill Co. or approved equal product to set bolts.

When the use of a wrench is necessary on chrome plated piping, protect the pipe from marring by use of felt or cloth wrapping beneath wrench jaws.

INSULATION

Insulate all domestic hot water lines.
Insulate all domestic cold water lines subject to ambient conditions. Pipe insulation is not required in the crawl space where located more than 10' from a ventilation opening.
Install insulation in accordance with manufacturer's recommendations.

TESTS AND INSPECTIONS

Make all water and air tests of the piping systems in the presence of and to the satisfaction of the Architect/Engineer or his designated representative. Conduct these tests at such places and with timing to permit work to proceed with as little interruption as possible. Make tests before work is concealed.
Test water piping to hydrostatic pressure at 125 psi and hold for 4 hours.
After the installation of sanitary piping and before the pipe is concealed or the fixtures are installed, cap or plug the ends of the system and fill all lines with water to top of vents above roof and allow to stand until a thorough inspection has been made. Should leaks appear, repeat the tests until the system is tight.
Do not use resin, candle wax or any other such substance for stopping leaks in cast iron soil, waste or vent lines or in storm drain lines. Caulking of screw joints to stop leaks will not be permitted.

STERILIZATION

The sterilization process shall comply with all governing regulations and with the sterilization procedures recommended by the American Water Works Association. The chlorination process may be simplified by first flushing the system thoroughly clean, then charging with water containing a minimum of 50 parts per million of chlorine, allowing this to stand for 24 hours, then thoroughly flushing. After sterilization and final flushing, the local health authority is to be notified and their approval obtained in writing.

END OF SECTION

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PLUMBING SPECIFICATIONS

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DRAIN SCHEDULE (BASIS OF DESIGN)

TYPE	DESCRIPTION	MODEL	TRIM & ACCESSORIES	FIXTURE CONNECTIONS		
				CW	WASTE	VENT
FD-1	CAST IRON GENERAL SERVICE FLOOR DRAIN WITH SQUARE TOP AND AXILLARY TRAP PRIMER FITTING.	ZURN ZN415S	DUCO COATED CAST IRON BODY W/ FLASHING COLLAR AND ADJUSTABLE 7" SQUARE POLISHED BRONZE STRAINER HEAD. J R SMITH 2695 AXILLARY CAST IRON TRAP PRIMER FITTING 1/2" NPT TAPPING.	1/2"	3"	2"
FD-2	CAST IRON GENERAL SERVICE FLOOR DRAIN WITH ROUND TOP.	ZURN ZN415B	DUCO COATED CAST IRON BODY W/ FLASHING COLLAR AND ADJUSTABLE 8" ROUND NICKEL BRONZE STRAINER, SEDIMENT BUCKET. PROVIDE J.R. SMITH 2692 TRAP SEAL IN LIEU OF TRAP PRIMER CONNECTION.		2"	2"
FS-1	12"x12"x6"DEEP, 14 GAUGE, TYPE 304 STAINLESS STEEL, LOOSE SET 12 GAGE LIGHT DUTY PERFORATED GRATE, AND STAINLESS STEEL SEDIMENT BASKET.	ZURN Z1850	FLANGED RECEPTOR WITH SEEPAGE HOLES, SQUARE STAINLESS RIM W/ STAINLESS STEEL 1/2 GRATE AND SEDIMENT BUCKET. PROVIDE J.R. SMITH 2692 TRAP SEAL IN LIEU OF TRAP PRIMER CONNECTION.		3"	2"
GT-1	BELOW GROUND-MTD ROTATIONALLY MOLDED POLYETHYLENE GREASE INTERCEPTOR. 1-MINUTE RETENTION.	THERMACO TRAPZILLA TZ-160-ECA	3" LOW-HEAD FLOW CONTROL ACCESSORY TO LIMIT FLOW TO 35 GPM. 22.7 GALLONS / 167.7 LBS. OF TOTAL GREASE STORAGE CAPACITY. REMOVABLE COVER FOR GREASE AND SOLIDS REMOVAL ACCESS, INTEGRAL ANTI-FLOTATION ANCHOR RING FOR IN-GROUND INSTALLATION, INTEGRAL HORIZONTAL BAFFLE, LAMINAR INLET FLOW DIVERTER, INTEGRAL VESSEL VEN, INTEGRAL SEWER GAS TRAP, ECA-TZ-29 EXTENSION COLLAR ASSEMBLY. PROVIDE FTCA-22 FABRICATED TOP COVER ASSEMBLY WITH DIAMOND PLATE ALUMINUM SURFACE.		3" IN/OUT	2"
HD-1	BELLMOUTH HUB DRAIN	J.R. SMITH 3955S	PVC REDUCER, 3"x2". PROVIDE J.R. SMITH 2692 TRAP SEAL IN LIEU OF TRAP PRIMER CONNECTION.		3"	2"

WATER HAMMER ARRESTER SCHEDULE (WHA)

CHART A - FOR GROUPED FIXTURES		CHART B - FOR LONG PIPE RUNS							
		P.D.I. WATER HAMMER ARRESTERS							
P.D.I. SIZE	FIXTURE UNITS	LENGTH OF PIPE	NOMINAL PIPE DIAMETER						
			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
A	1-11	25'	A	A	B	C	D	E	
B	12-32	50'	A	B	C	D	E	F	
C	33-60	75'	B	C	D	AE	F	EF	
D	61-113	100'	C	D	E	F	CF	FF	
E	114-154	125'	C	D	F	AF	EF	EFF	
F	155-330	150'	D	E	F	DF	FF	FFF	

NOTES:

1. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD PDI-WH201.

EXPANSION TANK SCHEDULE (BASIS OF DESIGN)

TYPE	MANUFACTURER/MODEL NUMBER	TANK VOLUME (GALLONS)	MAXIMUM PRESSURE (PSI)	SERVICE
XT-1A	WATTS PLT-5	2.1	150	GWH-1

PLUMBING FIXTURE SCHEDULE (BASIS OF DESIGN)

TYPE	DESCRIPTION	MODEL	TRIM & ACCESSORIES	FIXTURE CONNECTIONS			
				CW	HW	WASTE	VENT
WC-1	WATER CLOSET, FLOOR MOUNT, VITREOUS CHINA, 16⅝" RIM HGT. ELONGATED BOWL, FLUSHOMETER VALVE SIPHON, 1-1/2" TOP SPUD, 1.6 GALLON FLUSH. ADA COMPLIANT.	KOHLER HIGHCLIFF ULTRA K-96057	ZURN ZER6000AV-CPM-WS1-MOB, DIAPHRAGM-TYPE EXPOSED BATTERY POWERED AUTOMATIC SENSOR FLUSH VALVE (1.6 GPF), MANUAL OVERRIDE BUTTON. BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, ELONGATED, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.	1"		4"	2"
L-1	20¾"x18¼" WALL-HUNG VITREOUS CHINA LAVATORY. 3-HOLE INSTALLATION, ADA COMPLIANT.	KOHLER GREENWICH K-2032	KOHLER K-15182-4NDRA MANUAL FAUCET. CHROME PLATED, 0.35 GPM AERATOR, GRID DRAIN. WITHOUT POP-UP ASSEMBLY. MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A. SEAMLESS TUBULAR BRASS WALL BEND. MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"	1/2"	2"	1 1/2"
U-1	H/C URINAL - URINAL - WALL MOUNT, WHITE VITREOUS CHINA, ¾" TOP SPUD, 1.0 GALLON FLUSH, 14⅜" EXTENDED RIM. ADA COMPLIANT.	KOHLER BARDON K-4991-ETSS	ZURN ZER6003AV-CCP-WS1-MOB, DIAPHRAGM-TYPE EXPOSED BATTERY POWERED AUTOMATIC SENSOR FLUSH VALVE (1.0 GPF), MANUAL OVERRIDE BUTTON.	3/4"		2"	2"
EWC-1	VANDAL RESISTANT BI-LEVEL ADA COOLER FOR OUTDOOR INSTALLATION. SELF-CONTAINED, DUAL HEIGHT, WALL HUNG ELECTRIC REFRIGERATED WATER COOLER AND BOTTLE FILLING STATION, STAINLESS STEEL FINISH. DELIVERS 8 GPH OF 50 DEGREE DRINKING WATER. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.	ELKAY VRCTLBWSK	McGUIRE 8872 1-1/4" HEAVY CAST BRASS POLISHED CHROME 17 GA. ADJUSTABLE P-TRAP WITH CLEANOUT, SLIP NUTS, AND SEAMLESS TUBULAR BRASS WALL BEND. McGUIRE 2165 1/2" IPS 3/8" O.D. ANGLE SUPPLIES AND STOPS, 12" FLEXIBLE CHROME PLATED COPPER RISERS. STEEL WALL MOUNT BRACKET. PROVIDE WITH ACCESSORY APRON - ELKAY 98324C.	1/2"		2"	1 1/2"
MS-1	24"x24"x10" MOLDED STONE MOP SERVICE BASIN	FIAT MSB2424	FIAT 830-AA FAUCET W/ VACUUM BREAKER FIAT 832-AA HOSE AND HOSE BRACKET FIAT E-77-AA VINYL BUMPERGUARD FIAT 869-CC MOP HANGER FIAT 833-AA SILICONE SEALANT FIAT MSG2424 STAINLES STEEL WALL GUARD FIAT 1453-BB STRAINER	1/2"	1/2"	3"	2"
HS-1	22"x18" WALL-HUNG VITREOUS CHINA LAVATORY W/ SINK SHROUD. 3-HOLE INSTALLATION, 8" CENTERS, OVERFLOW DRAIN. ADA COMPLIANT.	KOHLER K-2035-8	KOHLER K-810T20-5AHA MANUAL FAUCET. CHROME PLATED, 1.5 GPM, GRID DRAIN. WITHOUT POP-UP ASSEMBLY. MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A. SEAMLESS TUBULAR BRASS WALL BEND. MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"	1/2"	2"	1 1/2"
SK-1	79" 16-GAUGE TYPE 304 STAINLESS STEEL THREE COMPARTMENT COMMERCIAL SINK WITH STAINLESS STEEL LEGS, CROSS BRACING, AND 2 DRAINBOARDS. 15"x15"x12" BOWLS.	REGENCY 600S315215X	REGENCY 600PRW812 WALL-MOUNTED PRE-RINSE FAUCET. 44" HOSE, 1.15 GPM SPRAY VALVE. 8" CENTERS, 1/2" NPT INLETS.QUARTER-TURN CERAMIC CARTRIDGES FOR LONG LIFE AND LEAK PROTECTION, CHECK VALVES PREVENT BACKFLOW. CHROME-PLATED BRASS CONSTRUCTION. 12" ADD-ON FAUCET (2 GPM), 18" RISER.	1/2"	1/2"	2"	1 1/2"
HB-1	WALL FAUCET, POLISHED CHROME	T&S BRASS B-0737-POL	3/4" NPT FEMALE INLET, ¾" GARDEN HOSE MALE OUTLET, LOOSE TEE KEY, VACUUM BREAKER	3/4"			
TMV-1A	THERMOSTATIC WATER CONTROLLER. 110° SET TEMP.	LAWLER 66-80	LEAD FREE CERTIFIED. CERTIFIED TO CSA B125.3. CONFORMS TO ASSE 1017.	1" IN	1" IN 1 1/4" OUT		
PRV-1A	WATER PRESSURE REDUCING VALVE WITH STRAINER, LEAD-FREE BRASS BODY CONSTRUCTION. ASSE 1003 CERTIFIED. REDUCED PRESSURE SETTING: 70 PSI	WATTS LF223-S	ENLARGED DIAPHRAGM, SPRING CAGE AND SEAT ORIFICE, LEAD FREE BRASS BODY CONSTRUCTION STRAINER, BYPASS TO CONTROL THERMAL EXPANSION PRESSURE. PROVIDE PRV IF INCOMING PRESSURE EXCEEDS 70 PSI.	2"			
TP-1	PRESSURE DROP ACTIVATED TRAP PRIMER VALVE	PPP PR-500	PROVIDE DISTRIBUTION UNIT DU-U AS REQUIRED	1/2"			
FCO	ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED POLISHED BRONZE TOP ADJUSTABLE TO FINISHED FLOOR.	ZURN Z1400	FLASHING CLAMP AND FLASHING FLANGE, BRONZE PLUG.	SEE PLANS FOR SIZES			
ECO	ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED POLISHED BRONZE TOP ADJUSTABLE TO FINISHED FLOOR.	ZURN Z1400	FLASHING CLAMP AND FLASHING FLANGE, BRONZE PLUG.	SEE PLANS FOR SIZES			
WCO	CLEANOUT TEE, DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.	ZURN Z1446	POLISHED BRONZE COVER. BRONZE PLUG.	SEE PLANS FOR SIZES			
BFP-1	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF009 SERIES	THE ASSEMBLY SHALL CONSIST OF AN INTERNAL PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED IN A ZONE BETWEEN TWO POSITIVE SEATING CHECK MODULES WITH CAPTURED SPRINGS AND SILICONE SEAT DISCS. SEATS AND SEAT DISCS SHALL BE REPLACEABLE IN BOTH CHECK MODULES AND THE RELIEF VALVE. BODY AND SHUTOFFS SHALL BE CONSTRUCTED USING LEAD FREE CAST COPPER SILICON ALLOY MATERIALS. PROVIDE WITH STRAINER. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF: USC; ASSE STD. 1013; AWWA STD. C511; CSA B64.4.	SEE PLANS FOR SIZES			

RECIRCULATOR PUMP SCHEDULE (BASIS OF DESIGN)

TYPE	MANUFACTURER/ MODEL NO.	SERVICE	CAPACITY (GPM)	TDH (FT.)	MOTOR HORSEPOWER (HP)	ELECTRICAL CHARACTERISTICS (VOLT/ø)	AMPS	PUMP SEAL
RP-1A	TACO 006	HW CIRCULATOR	3	10	1/40	115 / 1	0.52	MECHANICAL

ELECTRIC WATER HEATER SCHEDULE

TYPE	MANUFACTURER /MODEL NO.	STORAGE CAPACITY (GALLONS)	NO. OF ELEMENTS (KW)	INPUT (KW)	RECOVERY	STORAGE TEMP. (°F)	VOLTS/ PHASE	NOTES
EWH-1A	AO SMITH DRE-52-12	50	(3) 4.0 SIMULTANEOUS	12.0	62 GPH @ 80°F TEMP. RISE	140	208/3	PROVIDE GALVANIZED STEEL DRAIN PAN.

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Project #: 22-42

Design By: TEP & RMA

Project Date: 10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

PLUMBING FIXTURE AND EQUIPMENT SCHEDULES

ALABAMA LICENSED
Robert M. Anderson
No. 25048
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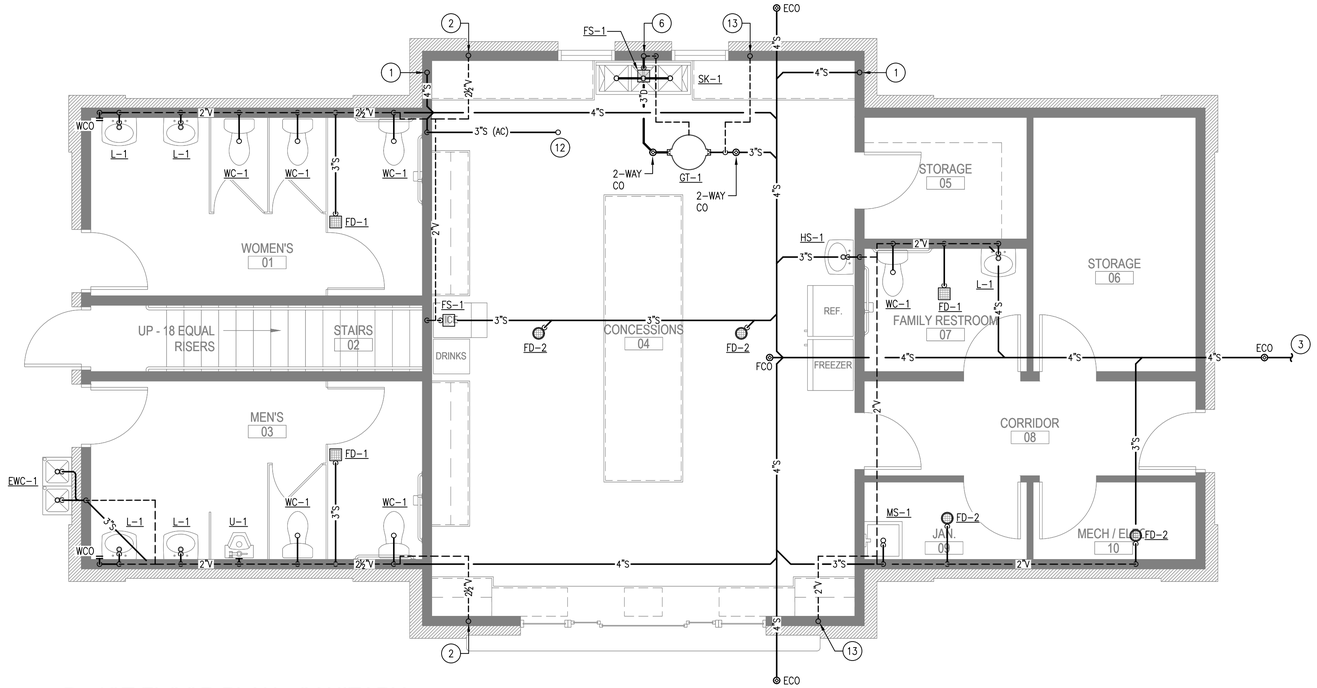
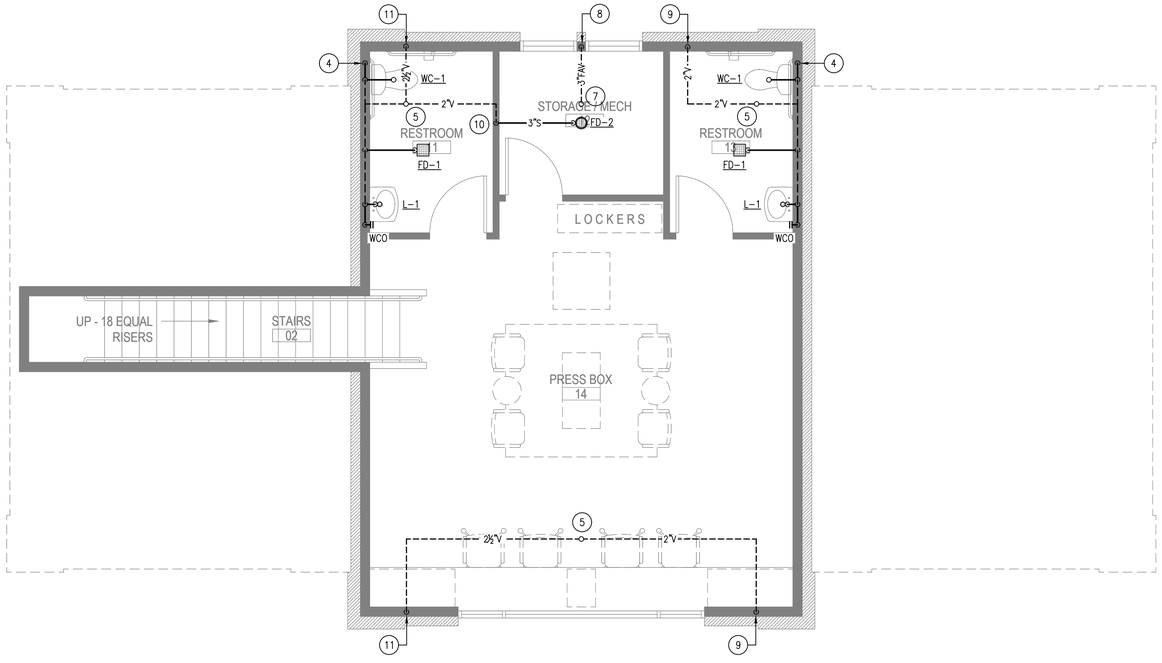


1 1ST FLOOR PLAN - SANITARY
SCALE: 1/4" = 1'-0"



2 2ND FLOOR PLAN - SANITARY
SCALE: 1/4" = 1'-0"

PLUMBING KEYNOTES – SANITARY

1. 4"S UP.
2. 2½"V UP.
3. SEE CIVIL DRAWINGS FOR CONTINUATION.
4. 4"S DOWN.
5. 3"VTR.
6. 3"FAV UP.
7. 3" FA VTR.
8. 3"FAV DOWN.
9. 2"V DOWN.
10. 3"S DOWN.
11. 2½"V DN.
12. 3"S UP.
13. 2"V UP.

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH ANY EXISTING UTILITIES AND BELOW-GRADE EQUIPMENT WITHIN THE PROJECT SITE.
2. CONTRACTOR TO CLEAN ALL CONDENSATE LINES PRIOR TO PROJECT CLOSEOUT.
3. CONTRACTOR TO PROVIDE A VIDEO OF ALL SEWER LINES VERIFYING THEY ARE CLEAR TO THE CONNECTION TO THE SEWER MAIN AND CONFIRMATION OF SUFFICIENT PIPE SLOPES PRIOR TO STARTING CONSTRUCTION AND AT PROJECT CLOSEOUT. CONTRACTOR TO PROVIDE DVD TO OWNER.
4. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED AND ADJUSTED TO MEET ADA REQUIRED CLEARANCES AND STANDARDS.
5. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN THE EVENT OF CONFLICTING REQUIREMENTS CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT.

PIPE MATERIAL NOTES:

1. WITHIN THE STRUCTURE AND INSIDE THE PROPERTY LINES, EXCLUDING ANY DESIGNATED UTILITY EASEMENTS, THE FOLLOWING APPLIES: ALL DRAIN, WASTE AND VENT PIPING MATERIAL SHALL BE CAST IRON OR SCHEDULE 40 PVC. NO FOAM OR CELL CORE MATERIAL IS ALLOWED.
2. CONDENSATE PIPING SHALL BE TYPE L COPPER OR SCHEDULE 40 PVC.

PIPE INSULATION NOTES:

1. PIPE INSULATION SHALL BE ¾" CLOSED-CELL INSULATION, ARMAFLEX OR EQUAL.
2. INSULATE ALL CONDENSATE LINES.
3. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

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FLOOR PLAN - SANITARY

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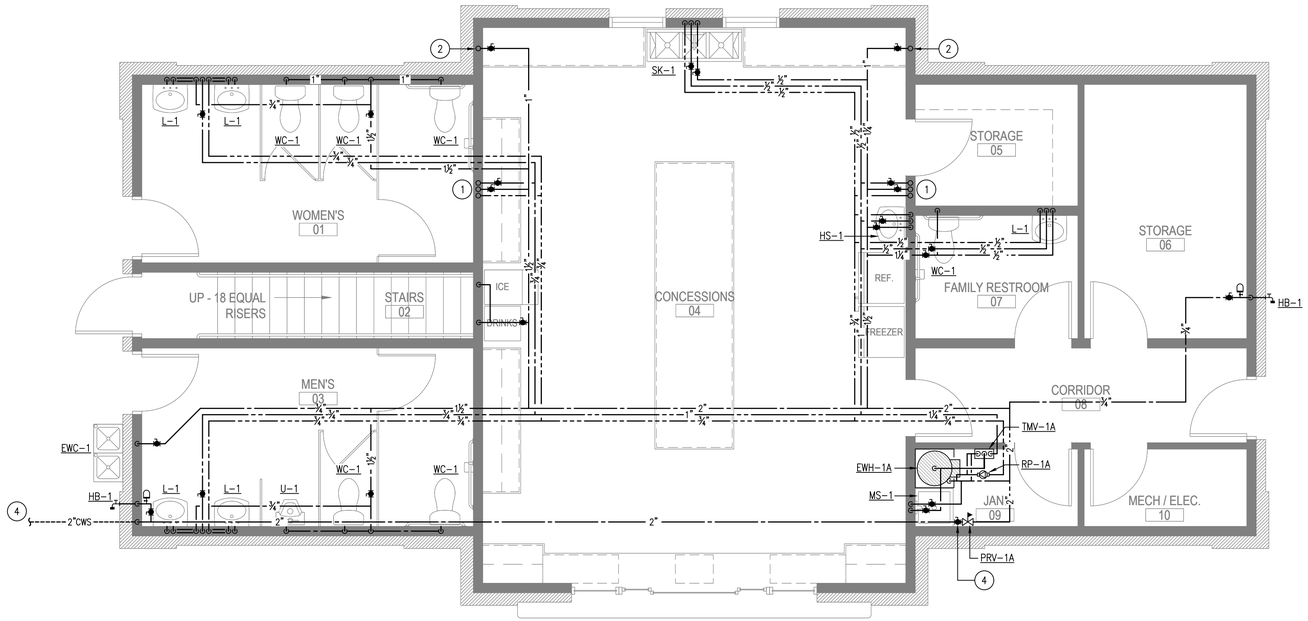
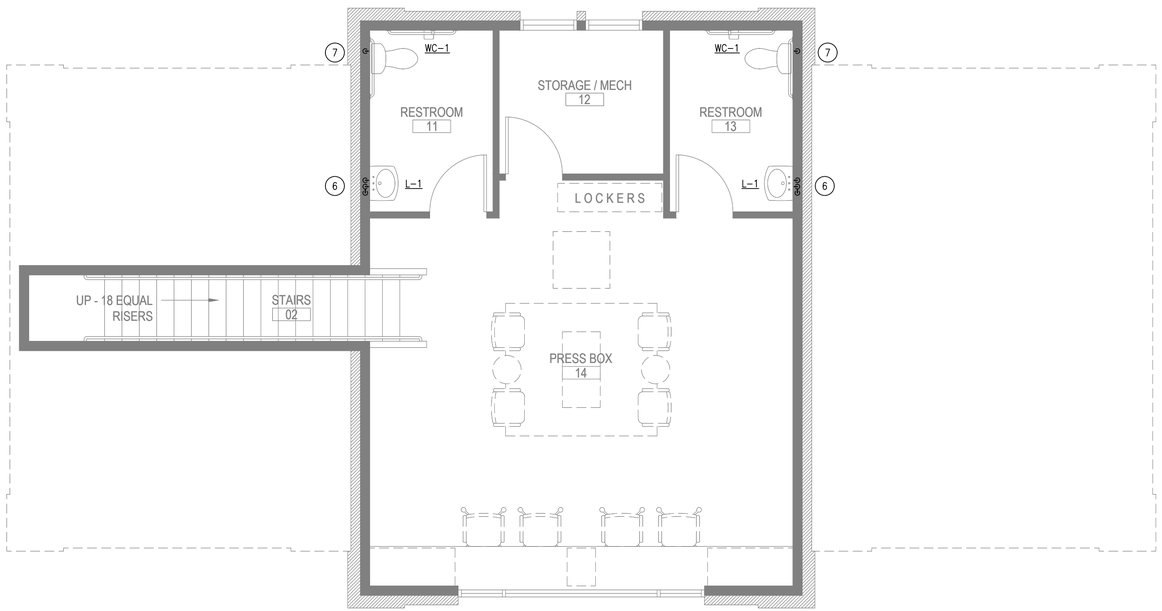


1 1ST FLOOR PLAN - DOMESTIC WATER
SCALE: 1/4" = 1'-0"



2 2ND FLOOR PLAN - DOMESTIC WATER
SCALE: 1/4" = 1'-0"

PLUMBING KEYNOTES – SANITARY

1. ½"CW, ½"HW, ½"HWR UP.
2. 1"CW UP.
3. ¾"CW DOWN BELOW SLAB.
4. COLD WATER SHUT-OFF VALVE LOCATED IN JAN #09. SEE DETAIL 5/P2.1
5. SEE CIVIL DRAWINGS FOR CONTINUATION.
6. ½"CW, ½"HW, ½"HWR DOWN.
7. 1"CW DOWN.

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH ANY EXISTING UTILITIES AND BELOW-GRADE EQUIPMENT WITHIN THE PROJECT SITE.
2. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED AND ADJUSTED TO MEET ADA REQUIRED CLEARANCES AND STANDARDS.
3. LAVATORY/SINK SUPPLY VALVE LOCATIONS SHALL FIT WITHIN THE SINK DRAIN COVER/ SHROUD.
4. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN THE EVENT OF CONFLICTING REQUIREMENTS CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT.

PIPE MATERIAL NOTES:

1. WATER SERVICE AND WATER DISTRIBUTION PIPE SHALL BE OF TYPE L COPPER OR SCHEDULE 40 CPVC.

PIPE INSULATION NOTES:

1. PIPE INSULATION SHALL BE ¾" CLOSED-CELL INSULATION, ARMAFLEX OR EQUAL.
2. INSULATE ALL DOMESTIC HOT WATER LINES.
3. INSULATE ALL DOMESTIC COLD WATER LINES SUBJECT TO AMBIENT CONDITIONS.
4. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

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FLOOR PLAN - DOMESTIC WATER

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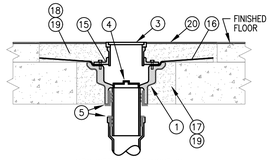
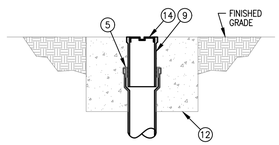
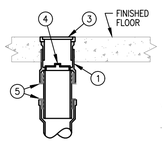


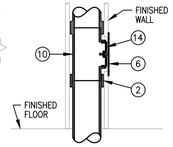
NEW INTERIOR CLEANOUT IN EXISTING FLOOR SLAB



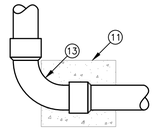
EXTERIOR CLEANOUT (ABBREVIATED ECO)



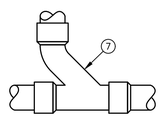
INTERIOR CLEANOUT (ABBREVIATED CO)



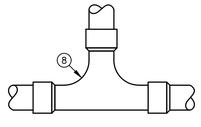
WALL CLEANOUT (ABBREVIATED WCO)



CLEANOUT AT END OF MAIN



CLEANOUT IN MAIN

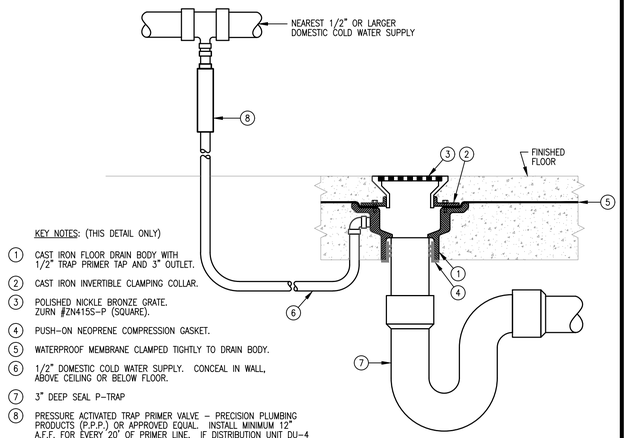


2-WAY CLEANOUT (USED AT JUNCTION OF BUILDING DRAIN AND BUILDING SEWER)

KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON 2-PIECE CLEANOUT BODY WITH ADJUSTABLE HEAD.
2. NO-HUB COUPLING (FOR ABOVE GROUND APPLICATION ONLY).
3. POLISHED NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET MARKER FOR CARPETED FLOORS).
4. BRONZE TAPERED THREAD, RAISED HEAD CLEANOUT PLUG.
5. PUSH-ON NEOPRENE RUBBER COMPRESSION GASKET.
6. STAINLESS STEEL ROUND WALL ACCESS COVER.
7. COMBINATION WYE AND EIGHTH BEND FITTING.
8. TWO-WAY CLEANOUT FITTING.
9. CAST IRON CLEANOUT FERRULE.
10. CAST IRON CLEANOUT TEE.
11. 12" x 12" x 12" CONCRETE THRUST BLOCK.
12. 24" x 24" x 12" CONCRETE PAD FLUSH WITH GRADE.
13. LONG SWEEP ELBOW.
14. BRONZE TAPERED THREAD, RECESSED HEAD CLEANOUT PLUG.
15. CAST IRON INVERTIBLE CLAMPING COLLAR.
16. NEW LEAD PAN FLASHING CLAMPED TIGHTLY TO DRAIN BODY. SEE ARCHITECTURAL PLANS.
17. BREAK OUT EXISTING STRUCTURAL CONCRETE FLOOR SLAB.
18. CUT TOPPING MINIMUM 12" BEYOND BROKEN-OUT STRUCTURAL FLOOR SLAB TO NEAREST FLOOR TILE JOINT TO ALLOW FOR INSTALLATION OF NEW LEAD PAN FLASHING.
19. GROUT SOLID AROUND NEW FLOOR DRAIN.
20. NEW FLOOR FINISH TO MATCH EXISTING.

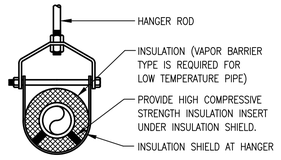
1 CLEANOUTS NTS



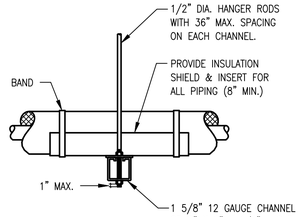
KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON FLOOR DRAIN BODY WITH 1/2" TRAP PRIMER TAP AND 3" OUTLET.
2. CAST IRON INVERTIBLE CLAMPING COLLAR.
3. POLISHED NICKLE BRONZE GRATE. ZURN #ZN415S-P (SQUARE).
4. PUSH-ON NEOPRENE COMPRESSION GASKET.
5. WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
6. 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR.
7. 3" DEEP SEAL P-TRAP
8. PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. LOCATE ABOVE CORRIDOR CEILING.

2 FLOOR DRAIN



ADJUSTABLE CLEVIS HANGER TYPE 1 IN SPECIFICATIONS



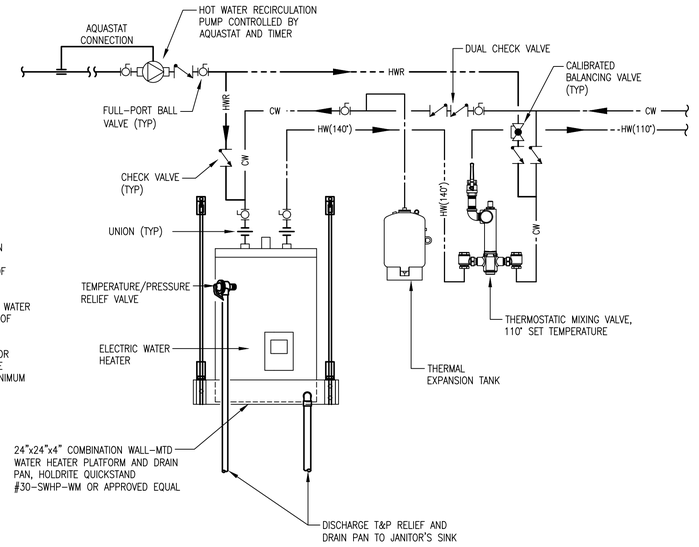
SIDE VIEW

TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

NOTES:

1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.
2. PROVIDE SPRING ISOLATORS FOR FIRST 3 HANGERS UP TO AND BEYOND EQUIPMENT CONNECTION AND/OR THROUGH OUT MECHANICAL ROOMS OR MEZZANINE AREAS.

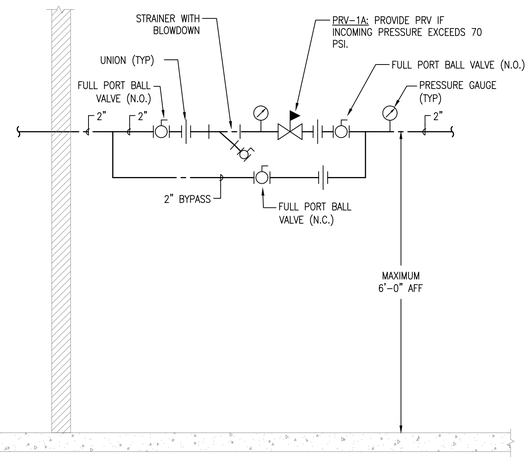
3 TYPICAL PIPE HANGERS NTS



NOTES:

1. PROVIDE 3-POLE CONTACTOR IN POWER SUPPLY TO HEATER TO SHUT-OFF POWER BY MEANS OF AQUASTAT AND TIMER.
2. PROVIDE HEAT TRAPS ON COLD WATER INLET AND HOT WATER OUTLET OF WATER HEATER.
3. ENTIRE SUPPORT STRUCTURE FOR WATER HEATER SHALL HAVE THE CAPACITY OF SUPPORTING A MINIMUM OF 500 LBS. DEAD WEIGHT.

4 SHELF-MOUNTED ELECTRIC WATER HEATER DETAIL NTS



5 DOMESTIC SERVICE RISER DETAIL NTS

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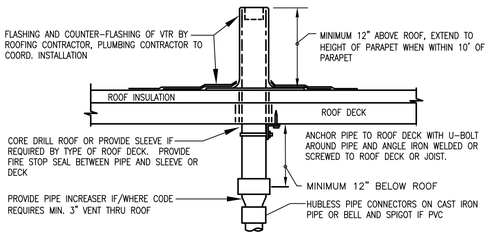
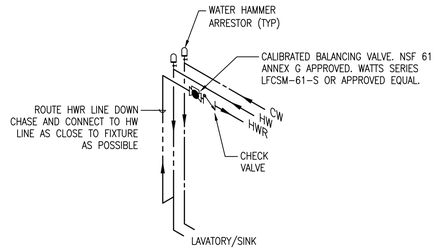


VTR NOTES:

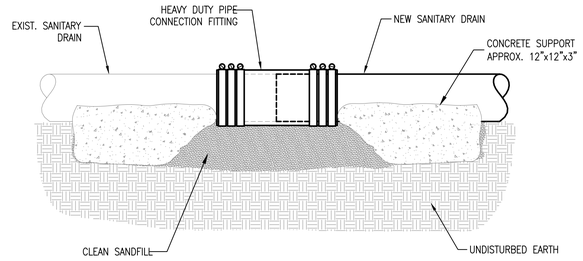
REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

1 TYPICAL VTR DETAIL NTS

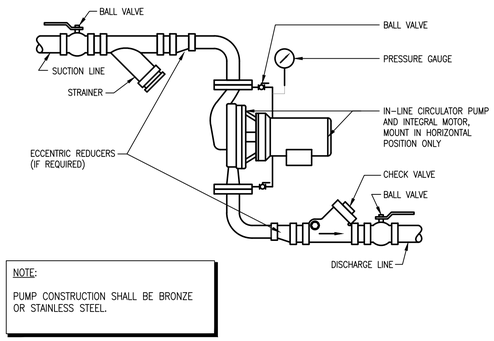


NOTE:
TYPICAL FOR ALL LAVATORIES AND SINKS ON A HOT WATER RETURN CIRCUIT UNLESS OTHERWISE NOTED.

3 HOT WATER RETURN CONNECTION NTS



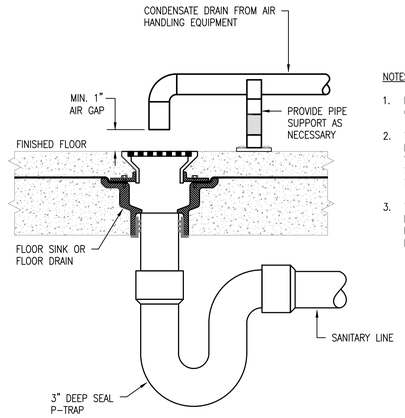
5 SANITARY MAIN CONNECTION DETAIL – NEW TO EXISTING NTS



NOTE:

PUMP CONSTRUCTION SHALL BE BRONZE OR STAINLESS STEEL.

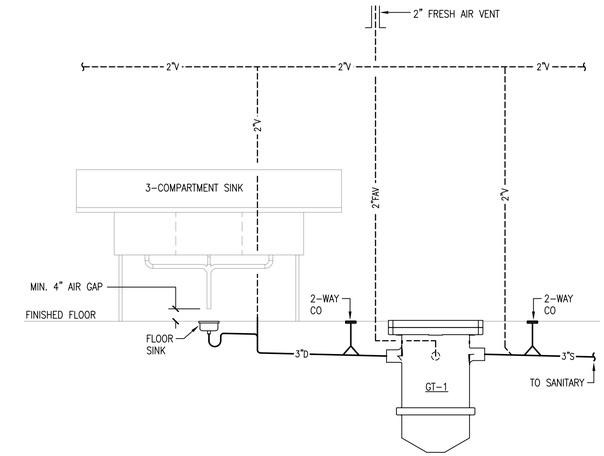
2 IN-LINE CIRCULATOR PUMP NTS



NOTES:

1. FOR AIR HANDLING UNITS, PROVIDE AN AIR GAP WHERE DRAINING INTO A FLOOR SINK.
2. THE AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOOD LEVEL RIM OF THE WASTE RECEPTOR SHALL BE NOT LESS THAN TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE.
3. THE MINIMUM AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOOD LEVEL RIM OF THE WASTE RECEPTOR SHALL BE 1".

4 INDIRECT CONNECTION AT FLOOR SINK/FLOOR DRAIN



6 GREASE TRAP DEAIL NTS

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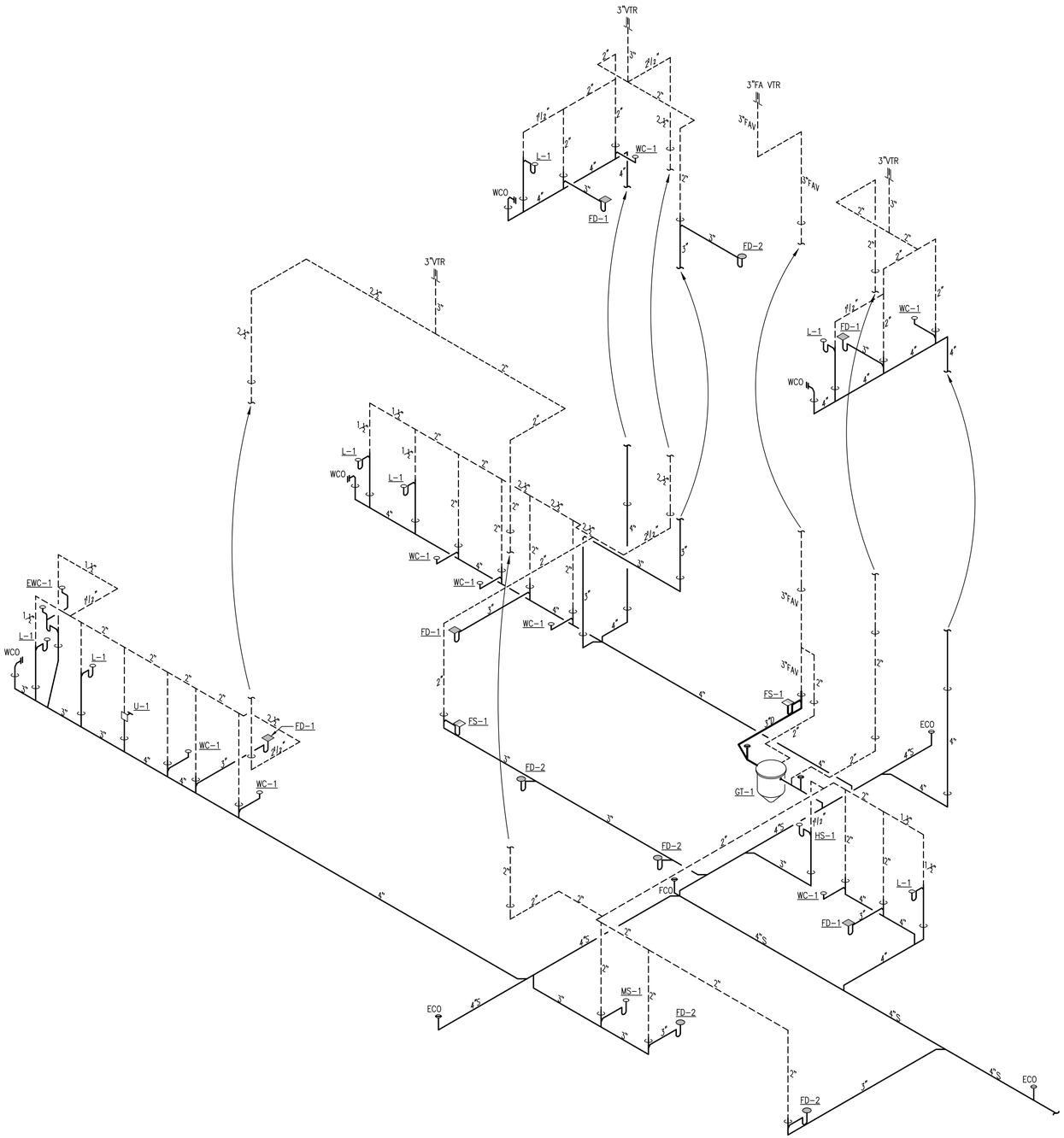

1 PLUMBING RISER - SANITARY
NTS

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ELECTRICAL LEGEND

CEILING OUTLETS

- A (2) — RECESSED 2' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A (2) — RECESSED 2' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- A 2 — RECESSED 1' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A 2 — RECESSED 1' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- A (2) — RECESSED 2' X 2' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A (2) — RECESSED 2' X 2' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- FS 2 — SURFACE OR PENDANT MOUNTED LIGHT STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL
- FS 2 — SURFACE OR PENDANT MOUNTED LIGHT STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- (J) — JUNCTION BOX
- ⊗ — EXIT LIGHT
- EF — EXHAUST FAN

WALL OUTLETS

1. ALL 120V RECEPTACLES ON THIS PROJECT SHALL BE TAMPER PROOF TYPE PER THE NATIONAL ELECTRIC CODE.

- ⊗ — WALL MOUNTED COMBO EXIT LIGHT/EMERGENCY
- ○ — WALL MOUNTED LIGHTING FIXTURE
- ● — WALL MOUNTED LIGHTING FIXTURE "EMERGENCY POWER"
- BATTERY OPERATED EMERGENCY WALL PACK
- W — DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE; OUTLET BOX HOODS SHALL BE IDENTIFIED AS "EXTRA-DUTY"
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G — DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G — DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 3 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
- SINGLE RECEPTACLE – 30 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA L6-30R. MOUNT AS DIRECTED FOR RACK UPS SYSTEM
- (J) — JUNCTION BOX SIZE NOTED OR REQUIRED, WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- (P) — PHOTOCELL; TORK MODEL 2101 (120V)

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- S — A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- S_3 — A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- S_M — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 20 AMP, 120/277 VOLT
- 30/1 S_M — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 30 AMP, 120/277 VOLT
- S_{M2} — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS DOUBLE POLE SINGLE THROW, A.C. TYPE, 30 AMP, 208 VOLT
- S_T — PRESET INTERVAL TIMER SWITCH, HUBBELL TD-300 SERIES OR EQUALS
- PUSH BUTTON, TOGGLE SWITCH, ROTARY SWITCH, ETC., FURNISHED WITH EQUIPMENT BY OTHERS, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.

TELEPHONE & TELEVISION SYSTEMS

- TBB — TELEPHONE BACKBOARD – 3/4" EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH, SIZE AS SHOWN
- ▷ — SINGLE GANG JUNCTION BOX AT 18" AFF WITH 3/4" CONDUIT WITH PULL STRING BACK TO TBB. "C" DENOTES ABOVE COUNTER

PANELS AND POWER

- PANELBOARD
- PANELBOARD FLUSH MOUNTED
- FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING; FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS

MISCELLANEOUS EQUIPMENT

- (WH) — WATER HEATER

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GRADE
- RUN CONCEALED IN CEILING OR WALLS
- LA-1 — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND – 3/4" C; 3 #12, 1 #12 GROUND – 3/4" C; 4 #12, 1 #12 GROUND – 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LA-1 — 10 — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #10, 1 #10 GROUND – 3/4" C; 10 3 #10, 1 #10 GROUND – 3/4" C; 10 4 #10, 1 #10 GROUND – 1" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LA-1 — 8 — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #8, 1 #10 GROUND – 1" C; 8 3 #8, 1 #10 GROUND – 3/4" C; 8 4 #8, 1 #10 GROUND – 1 1/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- 6 — WHERE A NUMBER IS SHOWN NEXT TO OR ON THE CIRCUIT OR HOMERUN, THE NUMBER INDICATES CONDUCTOR SIZE OTHER THAN #12 – NUMBER #6 CONDUCTORS INDICATED. PROVIDE GROUND SIZED PER NEC TABLE 250-95 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES
- E — EMPTY CONDUIT WITH PULLWIRE RUN CONCEALED IN CEILING OR WALLS

MISCELLANEOUS

A	AMPERE	NEC	NATIONAL ELECTRICAL CODE
ADA	AMERICANS WITH DISABILITIES ACT	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
AFF	ABOVE FINISH FLOOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AIC	AMPERE INTERRUPTING CAPACITY	NL	NIGHT LIGHT
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
C	CONDUIT	P	POLE
CL	CENTER LINE	PF	POWER FACTOR
CWP	COLD WATER PIPE	PH	PHASE
EM	EMERGENCY	PNL	PANEL
EMT	ELECTRIC METALLIC TUBING	PVC	PVC (POLYVINYL CHLORIDE) CONDUIT
GFI	GROUND FAULT INTERRUPTER	SLD	SINGLE LINE DIAGRAM
GRC	GALVANIZED RIGID METAL CONDUIT	TBB	TELEPHONE BACKBOARD
GRD	GROUND	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSORS
MCB	MAIN CIRCUIT BREAKER	UL	UNDERWRITER'S LABORATORY
MCC	MOTOR CONTROL CENTER	U.N.O.	UNLESS NOTED OTHERWISE
MLO	MAIN LUGS ONLY	V	VOLTAGE
MT	MOUNT	W	WIRE
N	NEUTRAL	WP	WEATHERPROOF
NIC	NOT IN CONTRACT	#	NUMBER
		3R	NEMA 3R WEATHERPROOF ENCLOSURE
		4X	NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

GENERAL ELECTRICAL NOTES:

1. THE SERVICE VOLTAGE TO THE FACILITY SHALL BE 208/120V, 3PH, 4-WIRE.
2. INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
3. MAINTAIN ALL CLEARANCES FOR ELECTRICAL EQUIPMENT PER THE NEC.
4. COORDINATE ROUGH-IN OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. AVOID ALL BACKSPLASHES AT COUNTERS.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD, AND COORDINATING WORK WITH OTHER TRADES TO AVOID CONFLICTS.
6. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGH-IN OF LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION.
7. THE LOCATION OF OUTLETS, FIXTURES, AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE, OFFSET AS NEEDED OR AS REQUESTED BY THE OWNER. THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ANY ADDITIONAL COST.
8. COORDINATE EXACT LOCATION OF ALL ELECTRICAL FLOOR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
9. ALL CONDUIT SIZE SHALL BE A MINIMUM 3/4" UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS.
10. ALL ELECTRICAL RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WITHIN THE CONFINES OF THE BUILDING FOUNDATIONS EXCEPT THOSE SPECIFICALLY SERVING LOADS OR EQUIPMENT EXTERIOR OF THE BUILDING. ALL SUCH RACEWAYS SHALL BE A MINIMUM 18" INSIDE FOUNDATIONS AND POWER AND COMMUNICATIONS RACEWAYS SHALL BE SEPARATED BY A MINIMUM 18".
11. ALL CONDUITS INSTALLED UNDERFLOOR SHALL BE ROUTED UNDER STRUCTURAL CONCRETE FLOOR SLABS. CONTRACTOR SHALL NOT INSTALL CONDUITS IN CONCRETE FLOORING WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. CONDUITS PENETRATING THRU CONCRETE FLOORS SHALL ADHERE TO THE ELECTRICAL SPECIFICATIONS AND RECOMMENDATIONS OF THE STRUCTURAL ENGINEER.
12. ALL RACEWAYS INSTALLED ON EXTERIOR OF THE BUILDING, INCLUDING CONDUIT UNDER CANOPIES, SHALL BE GRC. EMT WILL NOT BE ACCEPTED.
13. ALL RACEWAYS SHALL BE SUPPORTED PER NEC AND AT LEAST EVERY 10' AND WITHIN 3' OF EVERY JUNCTION BOX. RACEWAYS SUPPORTED ON BOTTOM OF SECONDARY CEILING SHALL BE SUPPORTED FROM THE STRUCTURE NOT FROM THE GYPBOARD CEILING.
14. ALL EMPTY WALL MOUNTED JUNCTION BOXES SHALL BE PROVIDED WITH A WALL BLANK AND ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A PULL WIRES.
15. PROVIDE ALL CONDUIT STUBS WITH A PROTECTIVE COLLAR.
16. INSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER INTERNATIONAL BUILDING CODE 712 AND WITH AN UL APPROVED DEVICE OR FIRE CAULK. REFER TO ARCHITECTURAL PLANS FOR THE LOCATIONS OF RATED FIRE WALLS AND UL ASSEMBLY LOCATIONS AND TYPES AND BID ACCORDINGLY.
17. PROVIDE A CONDUIT EXPANSION JOINTS WITH BONDING JUMPER IN ALL CONDUITS CROSSING AN EXPANSION JOINT. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
18. ALL UNDERGROUND CONDUITS RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE.
19. ALL FLEXIBLE CONDUITS ON THE EXTERIOR, IN WET LOCATIONS OR ANY MECHANICAL ROOM SHALL BE LIQUID TIGHT WITH SUITABLE FITTINGS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING AROUND DEVICES, PENETRATIONS, OUTLETS, AND CONDUITS THAT PENETRATE THE WALLS ABOVE THE CEILING TO MAINTAIN SOUNDPROOFING. CONTRACTOR SHALL VERIFY THAT THE OPENINGS SIZES ARE LESS THAN 1/2" ON ALL SIDES OF THE PENETRATIONS. ALL OPENINGS IN EXCESS OF 1/2" SHALL BE CAULKED/SEALED WITH SHEET ROCK MUD. THE DRYWALL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING PENETRATIONS IN PLACE WHEN THE SHEETROCK ARE INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS FINISHED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
21. HVAC EQUIPMENT POWER WIRING SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONTROL EQUIPMENT AND CONTROL WIRING SHALL BE FURNISHED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. PROVIDE 3/4" CONDUITS WITH PULL WIRE BETWEEN INSIDE AND OUTSIDE UNITS, THERMOSTAT & HUMIDISTATS OUTLETS AND UNITS AND/OR MECHANICAL CONTROL PANEL AS APPLICABLE. THERMOSTAT OUTLETS SHALL BE 4" SQUARE OUTLETS, FLUSH MOUNTED WITH SINGLE GANG OR DOUBLE GANG PLASTER RINGS AS DIRECTED BY THE HVAC CONTRACTOR. COORDINATE EXACT LOCATION OF ALL EQUIPMENT, DEVICES, OUTLETS, ETC, WITH THE MECHANICAL DRAWINGS AND DIVISION 15 SPECIFICATIONS. COORDINATE WITH THE HVAC CONTRACTOR FOR EXACT LOCATIONS OF ALL EQUIPMENT.
22. ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL HAVE AN EMERGENCY BATTERY BALLAST CONNECTED AHEAD OF LOCAL SWITCHING.
23. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS. PROVIDE PROPER NUMBER OF POWER PACKS AND LOCATE POWER PACKS AND OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
24. ALL JUNCTION BOX COVERS ABOVE THE CEILING SHALL BE CLEARLY MARKED WITH WHICH CIRCUITS OR ELECTRICAL SYSTEM THEY CONTAIN.

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Project #: 22-42
Design By: J. TILLERY
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

ELECTRICAL LEGEND & NOTES

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E0.1
Sheet Number

SITE LEGEND

——OP—— OVERHEAD PRIMARY

— —UP— — UNDERGROUND PRIMARY

— —US— — UNDERGROUND SECONDARY

— —UC— — UNDERGROUND COMMUNICATIONS

[T] PAD MOUNTED TRANSFORMER

[PB] TELECOMMUNICATIONS PULL BOX, HIGHLINE NO. PHA243624HM2 OR APPROVED EQUAL BY OLDCASTLE OR HUBBELL.

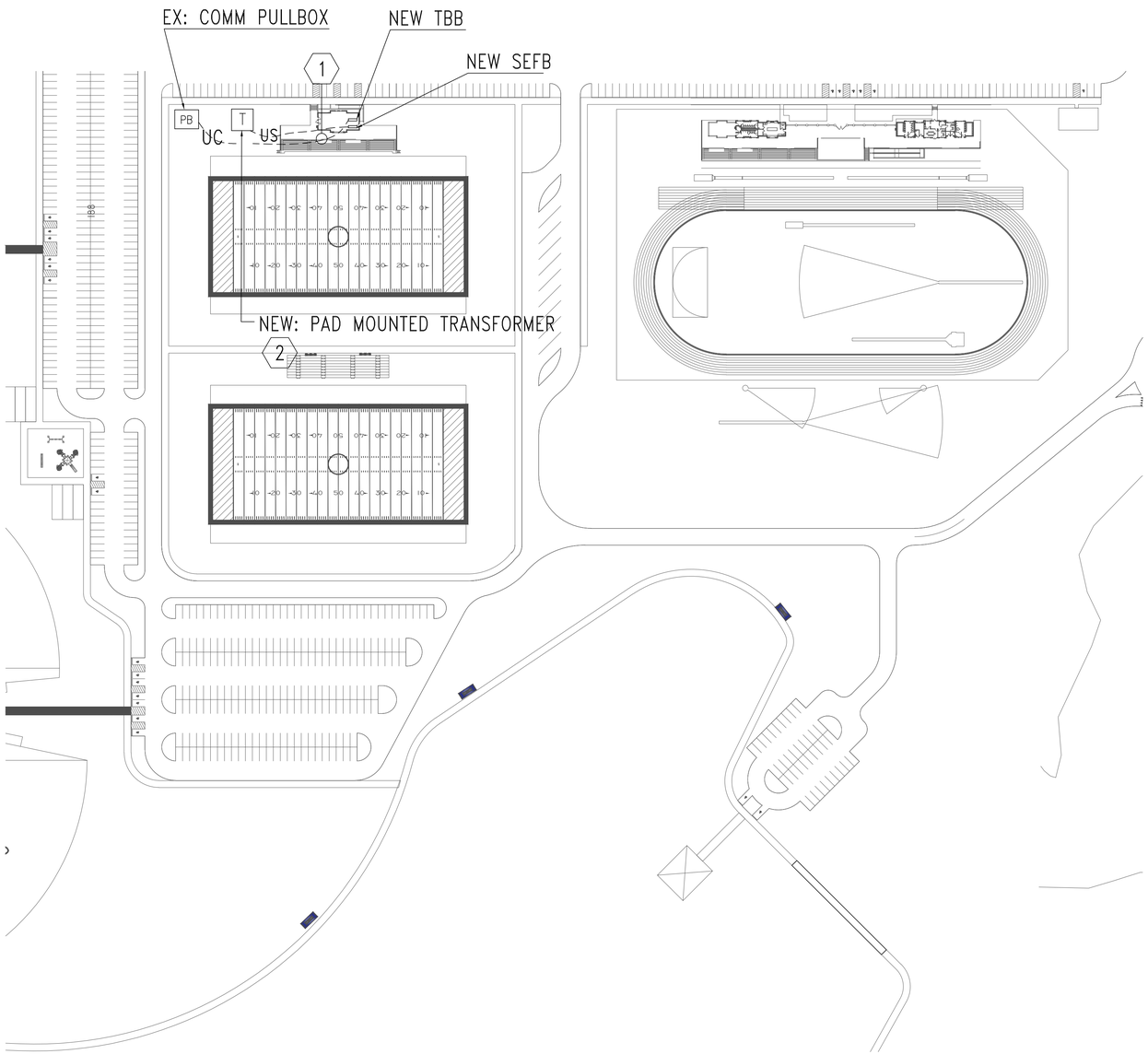
[W] 8"X8"X4" WEATHERPROOF JUNCTION BOX. INSTALL TOP OF BOX FLUSH WITH GRADE.

GENERAL NOTES:

1. LOCATIONS OF RISER POLES, AND TRANSFORMERS SHALL BE COORDINATED PRIOR TO BIDS. ADJUST FEEDER AND CONDUIT LENGTHS ACCORDINGLY. PAY ALL UTILITY COMPANY FEES. BID ACCORDINGLY.
2. COORDINATE WITH POWER RISER DIAGRAMS FOR FEEDER AND CONDUIT SIZES AND ALL OTHER ADDITIONAL REQUIREMENTS NOT SHOWN ON SITE PLAN.
3. ALL UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE. PRIMARY CONDUIT SHALL BE MINIMUM 48" BELOW GRADE.
4. ALL ROUTING IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
5. CONTRACTOR SHALL LABEL ALL CONDUITS ENTERING AND EXITING COMMUNICATIONS HAND HOLES AND BACKBOARDS.
6. ALL SITE LIGHTING TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

UNDERGROUND UTILITY NOTES:

1. THE UNDERGROUND UTILITY PORTION OF THIS PROJECT CONSISTS OF BUT IS NOT LIMITED TO:
   a. TRENCHING/BACKFILLING FOR DUCT LINES AND CONDUIT SYSTEMS
   b. DUCTBANK INSTALLATIONS
   c. LOW VOLTAGE CONDUCTOR INSTALLATION
   d. PATCH/REPAIR ALL DAMAGED SURFACES AS A RESULT OF DUCTLINE INSTALLATIONS
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE NATIONAL ELECTRICAL CODE (NEC).
3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, SUPPORTS, FRAMES, CASES, CONDUIT SYSTEMS AND SURGE ARRESTORS, CABLE SHEATHS, CABLE SHIELDS, COMMON NEUTRALS, ETC., SHALL BE GROUNDED. UNLESS NOTED OTHERWISE CONNECTIONS BELOW GRADE SHALL BE FUSION-WELDED AND ABOVE GRADE FUSION-WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
6. UNLESS OTHERWISE SHOWN OR DIRECTED DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES. WHERE DUCT LINES ARE REQUIRED TO CROSS OTHER UTILITIES SUCH AS SEWERS, WATER LINES, OTHER POWER LINES, COMMUNICATION LINES, ETC., ADEQUATE SUPPORT SHALL BE PROVIDED ON EACH SIDE OF THE CROSSING TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE OTHER LINE. DUCT LINES SHALL BE SO INSTALLED AS TO PREVENT HEAT TRANSFER BETWEEN ANY HEAT PRODUCING LINES AND/OR EQUIPMENT TO DUCT LINES.
   a. ROUTING SHOWN ON DRAWINGS IS TYPICAL AND THE CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED UPON ACTUAL FIELD DIMENSIONS, CONDITIONS AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
   b. PRIOR TO TRENCHING, THE CONTRACTOR SHALL STAKE OUT THE ENTIRE NETWORK ARRANGEMENT. ONE GRADE A WOODEN STAKE WITH RED FLAG SHALL BE DRIVEN EVERY 50'-0" AND AT EACH CHANGE OF DIRECTION. FOUR STAKES SHALL BE DRIVEN TO OUTLINE EQUIPMENT AND/OR MANHOLE LOCATIONS. ON PAVEMENTS RED PAINT SHALL BE USED TO OUTLINE THE AREAS TO BE CUT. SECURE EXISTING UNDERGROUND UTILITY INFORMATION FROM THE CONTRACTING OFFICER PRIOR TO PERFORMING ANY TRENCHING.
   c. DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, COMPENSATIONS FOR RADIUS OF VERTICAL TRANSITIONS, EXISTING UTILITY CROSSINGS, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED. TRENCHES SHALL BE OVER-EXCAVATED AS NECESSARY TO ALLOW FOR PROPER TRENCH PREPARATION, DUCT BANK CONSTRUCTION, FORMING AND/OR BACKFILLING REQUIREMENTS.
   d. ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH GEOTECHNICAL REPORT AND DIVISION 200.



SHEET NOTES:

1. CONTRACTOR SHALL INTERCEPT 2" UNDERGROUND CONDUIT FROM EXISTING PULLBOX STUBBED OUT CLOSE TO BUILDING AND EXTEND TO THE TBB IN IN NEW BUILDING WITH 1500LB MULE TAPE IN EACH CONDUIT. CONDUITS SHALL BE 36" BELOW GRADE. VERIFY LOCATION PRIOR TO BIDS AND ADJUST CONDUIT LENGTHS.
2. PROVIDE NEW CONCRETE PAD FOR THE UTILITY PAD MOUNTED TRANSFORMER. INTERCEPT UNDERGROUND PRIMARY CONDUIT PROVIDED IN PREVIOUS PACKAGE AND TURN UP IN PRIMARY COMPARTMENT OF TRANSFORMER. PROVIDE METERING AS DIRECTED BY LOCAL UTILITY COMPANY. CONNECT NEW UNDERGROUND SECONDARY TO THE NEW UTILITY PAD MOUNTED TRANSFORMER. VERIFY LOCATION PRIOR TO BIDS AND ADJUST SECONDARY LENGTHS. STUB FOUR ADDITIONAL 4" CONDUITS OUT OF THE SECONDARY COMPARTMENT FOR FUTURE BALLFIELD LIGHTING AND FUTURE BUILDING.

SCALE: 1" = 100'-0

100' 0 50' 100'

GRAPHIC SCALE

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- FOOTBALL / SOCCER CONCESSIONS -
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SITE PLAN - ELECTRICAL

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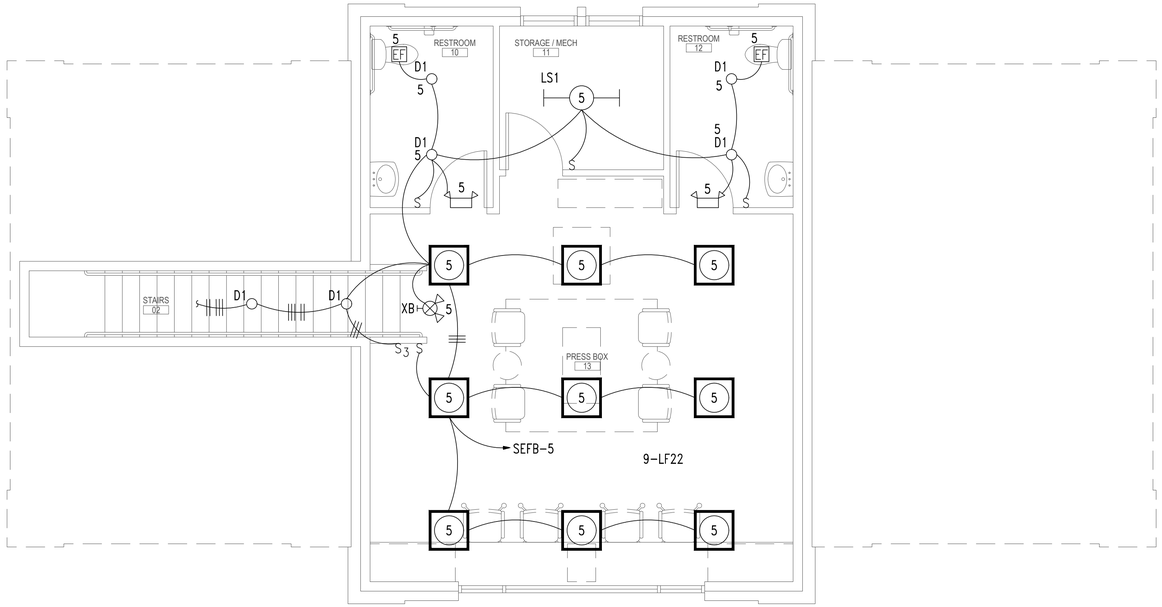
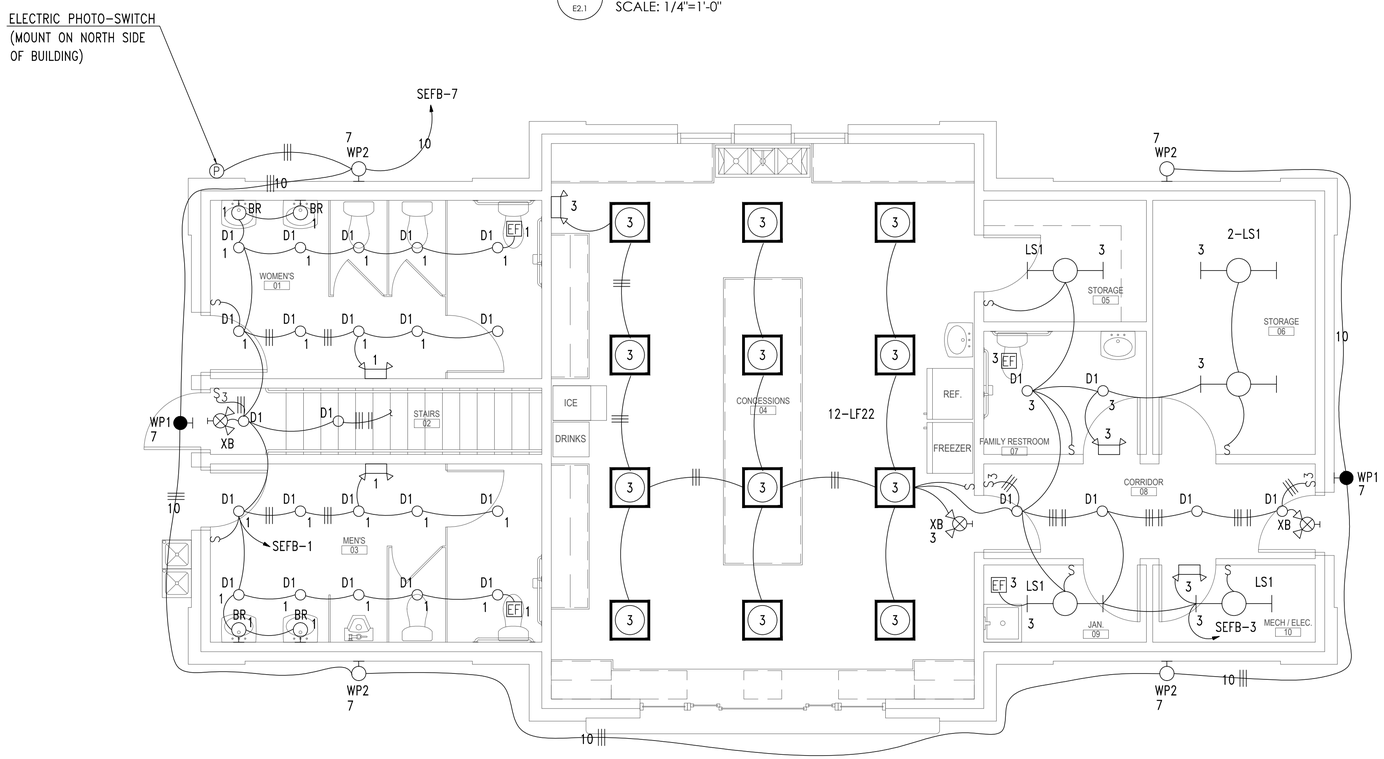
E1.1

Sheet Number



1 E2.1 SECOND FLOOR PLAN - LIGHTING
SCALE: 1/4"=1'-0"



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

1/4" = 1'-0

4' 0 4 8 FT.

GRAPHIC SCALE

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FIRST & SECOND FLOOR
PLAN - LIGHTING

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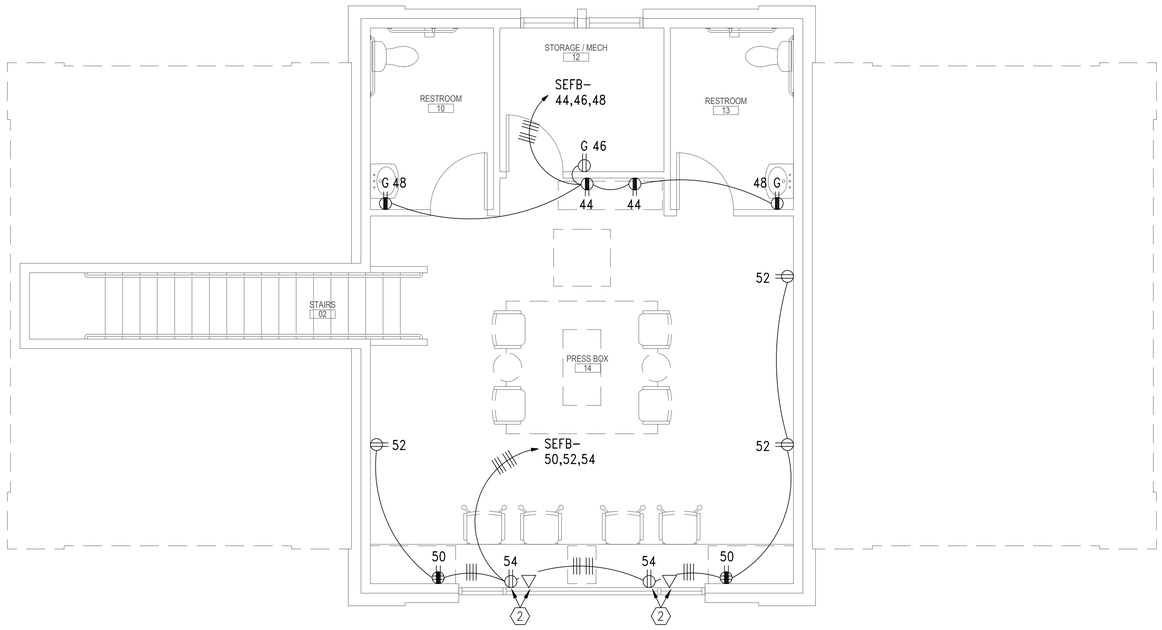
E2.1

Sheet Number



1 E3.1 SECOND FLOOR PLAN - POWER

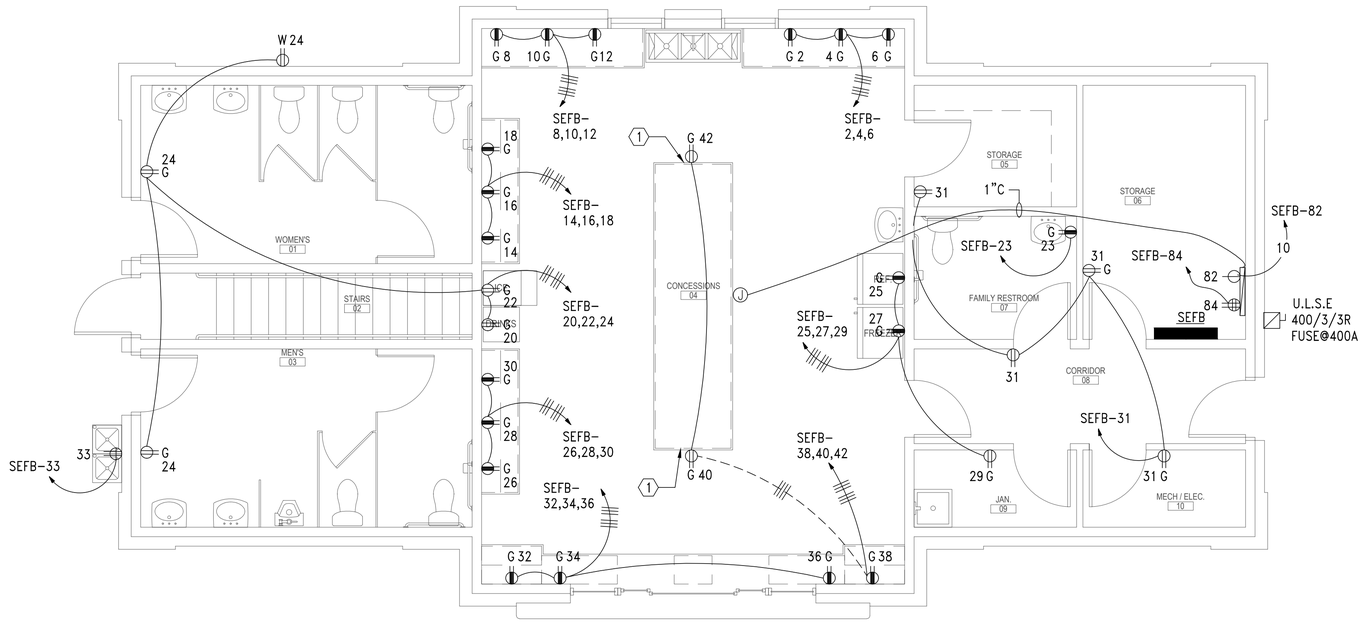
SCALE: 1/4"=1'-0"

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.
3. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL, NO EXCEPTIONS.

SHEET NOTES:

1. PROVIDE ALUMINUM POWER POLE TO INSTALL RECEPTACLE BESIDE TABLE.
2. MOUNT DEVICE IN KNEE SPACE. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH IN.



1 E3.1 FIRST FLOOR PLAN - POWER

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

1/4" = 1'-0

4' 0 4 8 FT.

GRAPHIC SCALE

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FIRST & SECOND FLOOR PLAN - POWER

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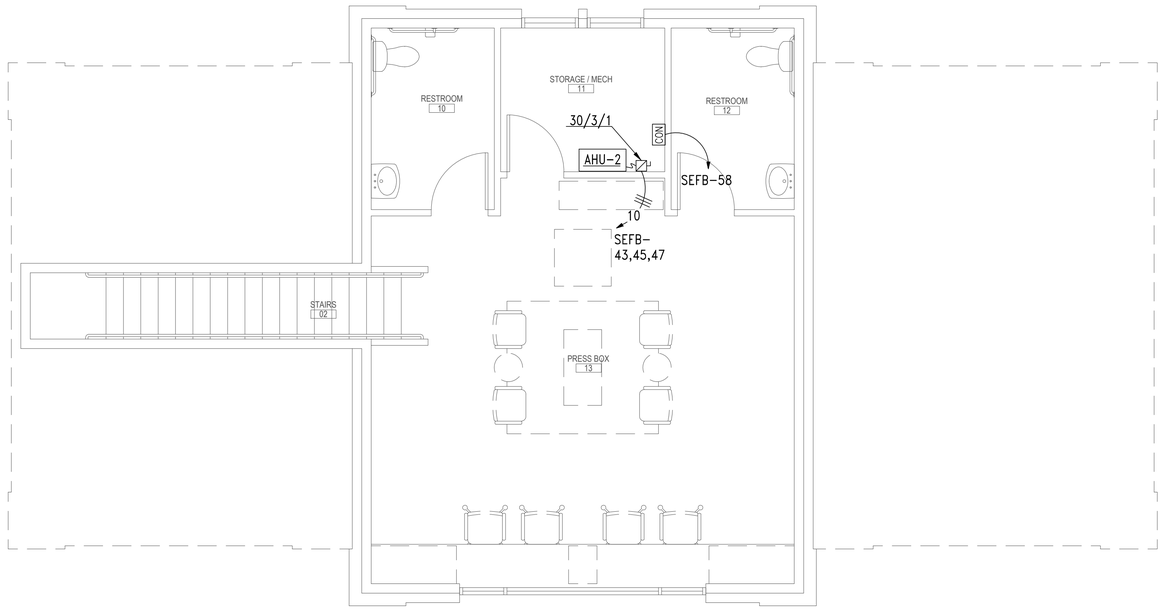
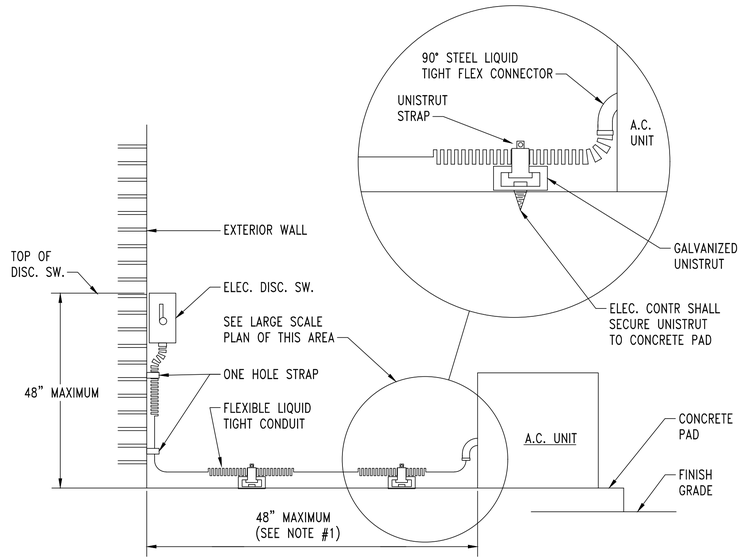
Sheet Number



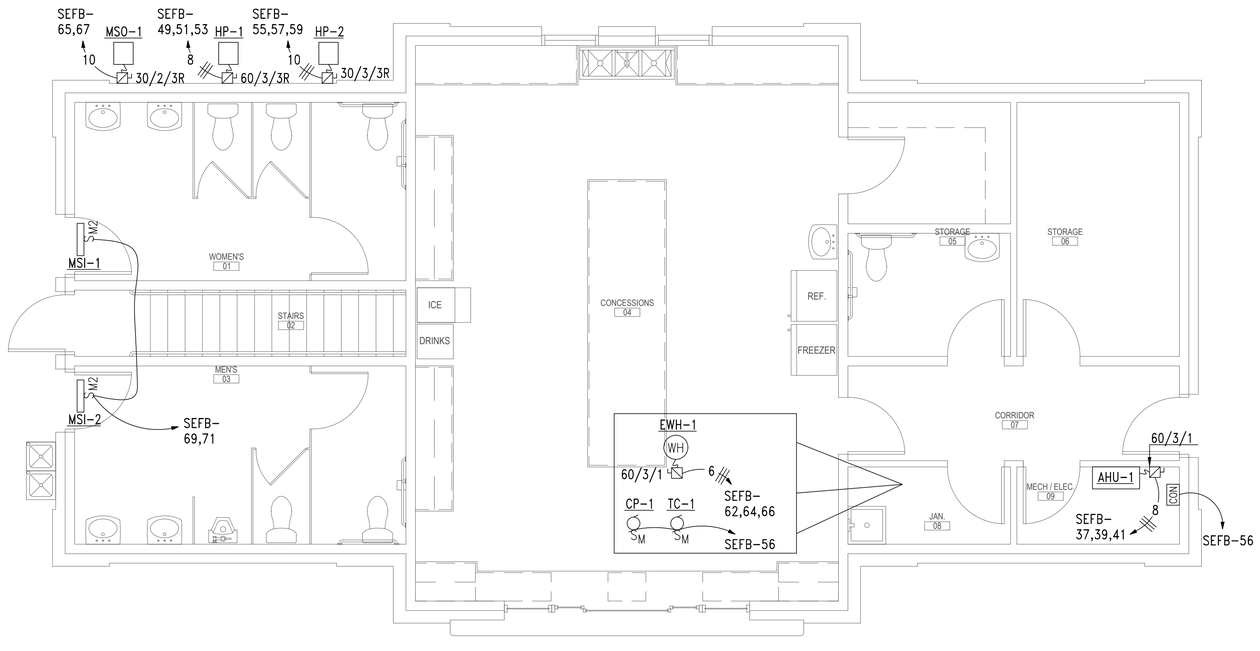
2 E3.2 SECOND FLOOR PLAN - MECHANICAL POWER
SCALE: 1/4"=1'-0"

NOTE:

1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



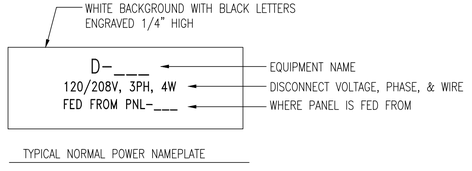
4 E3.2 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE



1 E3.2 FIRST FLOOR PLAN - MECHANICAL POWER
SCALE: 1/4"=1'-0"

MECHANICAL POWER GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (3) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL (4) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.
9. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.



TYPICAL NORMAL POWER NAMEPLATE

3 E3.2 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE

1/4" = 1'-0
4' 0 4 8 FT.
GRAPHIC SCALE

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Project #: 22-42
Design By: J. TILLERY
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

FIRST & SECOND FLOOR PLAN - MECHANICAL POWER

ALABAMA
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NO. 26985
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10-25-2024
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E3.2
Sheet Number

LIGHTING FIXTURE SCHEDULE

TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	LAMP TYPE:	LAMP QUANTITY:	DESCRIPTION:
BR	PROGRESS NO. P300328-009 OR PRIOR APPROVED EQUAL BY WILLIAMS, OR COOPER	MVOLT	WALL	LED	TWO LED BULBS	MERRY COLLECTION TWO - LIGHT BRUSHED NICKEL & ETCHED GLASS TRANSITIONAL SYTLE BATH VANITY WALL LIGHT. PROVIDE WITH LED BULBS WITH AT LEAST 1000-LUMENS PER BULB
D1	PRESCOLITE NO. LTR-6ED-H-ML-DM1-LV-EMR-XL-40K-8-WD OR PRIOR APPROVED EQUAL BY WILLIAMS, OR COOPER	MVOLT	RECESSED	LED	2000 LUMEN	6 INCH 2000 LUMEN LED DOWNLIGHT 4000K TEMPETURE LAMPS AND FEATURE REMOTE PHOSPHOR TECHNOLOGY ENABLING A HIGH SYSTEM EFFICACY AND MINIMUM 80 CRI. 0-10V DIMMING
LF22	HUBBELL NO. SRP22-40VLHE-G-EDU-FK22 OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	RECESSED FLANGE	LED	4000 LUMEN	2'X2' 4000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE. PROVIDE WITH FLANGE KIT. 4000K
LS1	HUBBELL NO. LCL-4'-4000K-ML-E-U OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	5300 LUMEN	SURFACE MOUNTED 4'-0" LED STRIP. CHAIN HANG WHEN SURFACE MOUNT IS NOT POSSIBLE.
WP1	CURRENT NO. VPW2-48L-35-4000K-TYPE 3-U-COLOR BY ARCH - SP OR PRIOR APPROVED EQUALS BY WILLIAMS, OR COOPER	MVOLT	WALL	LED	5000 LUMEN	EXTERIOR LED WALL PACK. UL LISTED FOR WET LOCATIONS.
WP2	BARNLIGHT NO. BLE-G-SBA24-COLOR BY ARCH-LED43-4000K-FL-24" STRAIGHT ARM OR PRIOR APPROVED EQUALS	120	WALL	LED	4000 LUMEN	24" DIAMETER BARN LIGHT WITH 24" STRAIGHT MOUNTING ARM
EM WALL PACK	COMPASS NO. CU2HLHOSD OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	WALL	LED	1000 LUMEN	1000 LUMEN LED EMERGENCY WALL PACK
EXIT SIGN COMBO "XB"	DUAL-LITE NO. EVCHLU*W12-06L OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	UNIVERSAL	LED	1000 LUMEN	THERMOPLASTIC 1000-LUMEN COMBO LED EXIT SIGN EGRESS LIGHT. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. COORDINATE COLOR OF SIGNAGE WITH LOCAL REQUIREMENTS. PROVIDE WITH EMERGENCY BATTERY. PROVIDE WIREGUARDS IN GYM.

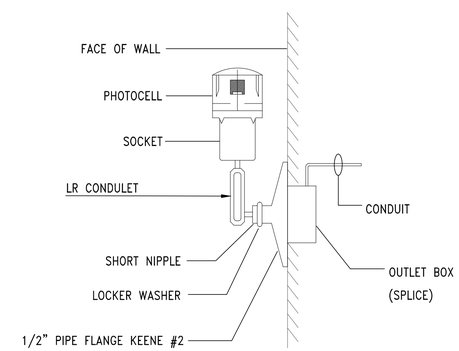
NOTES:
1. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS OR MAKE CUSTOM COLOR DURING SHOP DRAWING REVIEW. BID ACCORDINGLY.
2. COORDINATE MOUNTING OF ALL LUMINAIRES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION
3. PROVIDE EMERGENCY BATTERY BALLAST FOR ALL EMERGENCY TYPE FIXTURES CAPABLE OF 90-MINUTES. ALL EMERGENCY LIGHTS IN SAFE AREA SHALL BE CONNECTED TO THE BATTERY INVERTER FOR 180-MINUTES OF RUN TIME.
4. FOR WARRANTY AND LONG TERM SUPPORT FOR OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER REPRESENTATIVES LOCATED IN THE STATE OF ALABAMA. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIABLE FOR ANY DELAYS CAUSED BY NON COMPLIANCE WITH THIS REQUIREMENT.
5. ALL INTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS, UNLESS NOTED OTHERWISE.
6. ALL EXTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS.

LUMINAIRE NOTES:

1. ALL LUMINAIRES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINAIRES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.
2. LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
3. ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION
4. ALL LUMINAIRES BALLAST, DRIVERS, LAMPS, ETC SHALL BE COMPATIABLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
5. SECURE EACH LAY-IN LUMINAIRE AT TWO LOCATIONS TO THE CEILING GRID. PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
6. ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
7. ALL LED LUMINARIES SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE LAMPS, UNLESS NOTED OTHERWISE.
8. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
9. COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
10. ALL EXIT SIGNS AND LUMINAIRES DESIGNATED AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM 1100 LUMEN EMERGENCY BATTERY BALLAST CAPABLE OF 90 MINUTES OF ILLUMINATION. X DESIGNATION MEANS DIFFERENT TYPE BATTERY SEE SCHEDULE.
11. CONTRACTOR SHALL PROVIDE ALL SLOPE ADAPTERS, FLANGE KITS, TRIMS, AND ALL OTHER MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.
12. PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.

NOTES

1. PAINT CONDUIT NIPPLE, SOCKET AND PIPE FLANGE WITH TWO COATS OF ENAMEL.
2. COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
3. PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.



1 / E4.1 DETAIL - INSTALLATION OF PHOTO-CELL
NO SCALE

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Project #: 22-42
Design By: J. TILLERY
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

LIGHTING SCHEDULE, DETAILS & NOTES

ALABAMA
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10-25-2024
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E4.1
Sheet Number

PANEL - SEFB

TYPE: 400 AMPS MAIN LUGS ONLY | AIC: 65,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C							PHASE A	PHASE B	PHASE C	
LIGHTING	1,210			20	1	1	2	20	1	1,200			RECEPTACLE
LIGHTING		1,300		20	1	3	4	20	1		1,200		RECEPTACLE
LIGHTING			1,400	20	1	5	6	20	1			1,200	RECEPTACLE
EXTERIOR LIGHTING	350			20	1	7	8	20	1	1,200			RECEPTACLE
SPARE				20	1	9	10	20	1		1,200		RECEPTACLE
SPARE				20	1	11	12	20	1			1,200	RECEPTACLE
SPARE				20	1	13	14	20	1	1,200			RECEPTACLE
SPARE				20	1	15	16	20	1		1,200		RECEPTACLE
SPARE				20	1	17	18	20	1			1,200	RECEPTACLE
SPARE				20	1	19	20	20	1	1,200			RECEPTACLE
SPARE				20	1	21	22	20	1		1,200		RECEPTACLE
RECEPTACLE			600	20	1	23	24	20	1			1,200	RECEPTACLE
RECEPTACLE	1,200			20	1	25	26	20	1	1,200			RECEPTACLE
RECEPTACLE		1,200		20	1	27	28	20	1		1,200		RECEPTACLE
RECEPTACLE			1,200	20	1	29	30	20	1			1,200	RECEPTACLE
RECEPTACLE	1,200			20	1	31	32	20	1	1,200			RECEPTACLE
EWC		900		20	1	33	34	20	1		1,200		RECEPTACLE
SPARE						35	36	20	1			1,200	RECEPTACLE
AHU-1	3,072			40		37	38	20	1	1,200			RECEPTACLE
		3,072				39	40	20	1		1,200		RECEPTACLE
			3,072		3	41	42	20	1			1,200	RECEPTACLE
AHU-2	2,688			30		43	44	20	1	1,200			RECEPTACLE
		2,688				45	46	20	1		1,200		RECEPTACLE
			2,688		3	47	48	20	1			1,200	RECEPTACLE
HP-1	3,072			40		49	50	20	1	1,200			RECEPTACLE
		3,072				51	52	20	1		1,200		RECEPTACLE
			3,072		3	53	54	20	1			1,200	RECEPTACLE
HP-2	2,688			30		55	56	20	1	600			CON-1
		2,688				57	58	20	1		600		CON-2
			2,688		3	59	60	20	1			600	CP-1 & TC-1
MSI-1 & MSI-2	40			15		61	62	50		4,000			EWH-1
		40			2	63	64				4,000		
MSO-1			2,413	30		65	66		3			4,000	
	2,413				2	67	68						BUSSED SPACE
SPARE				20	1	69	70						BUSSED SPACE
SPARE				20	1	71	72						BUSSED SPACE
SPARE				20	1	73	74						BUSSED SPACE
SPARE				20	1	75	76						BUSSED SPACE
SPARE				20	1	77	78						BUSSED SPACE
SPARE				20	1	79	80						BUSSED SPACE
SPARE				20	1	81	82	20	30		2,880		UPS TBB
SPARE				20	1	83	84	20	1			600	TBB
SUB TOTAL (VA)	17,933	14,960	17,133							15,400	18,280	16,000	

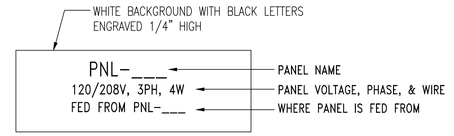
TOTAL LOAD PHASE A: 33,333 (VA)
TOTAL LOAD PHASE B: 33,240 (VA)
TOTAL LOAD PHASE C: 33,133 (VA)
TOTAL LOAD: 99,706 (VA) = 277 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL.

POWER EQUIPMENT MANUFACTURERS BIDDING THIS PROJECT SHALL INCLUDE IN THEIR BASE BID PRICE AND ALL EXPEDITED CHARGES AS REQUIRED TO SHIP SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND DISCONNECTS TO THE JOB SITE S REQUIRED TO MEET PROJECT SCHEDULE. CONTRACTOR AND SUPPLIER SHALL SET THIS TIME PRIOR TO BID ACCORDING PUBLISHED SCHEDULE IN BID DOCUMENTS.

PANELBOARD NOTES:

1. PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
2. ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
3. PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
4. FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
5. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
6. PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
7. ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
8. PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
9. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
10. ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
11. COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
12. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL 1 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.



TYPICAL NORMAL POWER NAMEPLATE

1 / E4.2 DETAIL - TYPICAL PANELBOARD NAMEPLATE

NO SCALE



NOTES:

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL SHALL BE:

EQUIPMENT TYPE	HEIGHT	WIDTH
INDOOR	4"	6"
OUTDOOR	4"	6"

2 / E4.2 ARC FLASH WARNING LABELS

NO SCALE

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CRENSHAW COUNTY, AL

PANELBOARD SCHEDULE, DETAILS & NOTES

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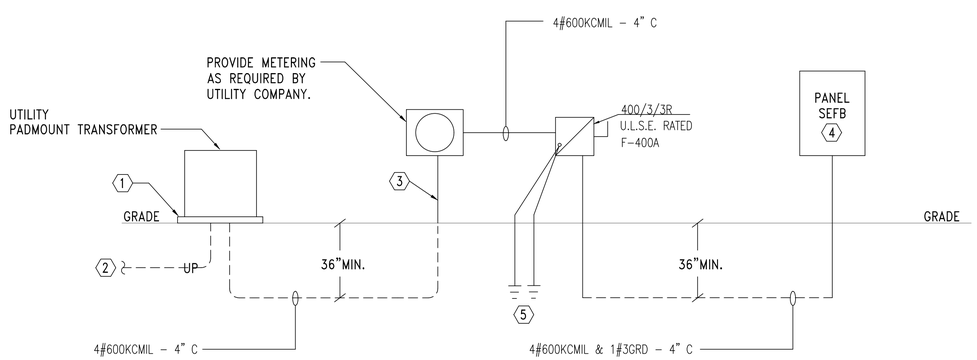
E4.2
Sheet Number

POWER RISER DIAGRAM NOTES:

1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING . CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
5. ALABAMA POWER COMPANY WILL BE FURNISHING THE OVERHEAD SECONDARY TO THE WEATHERHEADS COORDINATE WITH ALABAMA POWER ALL REQUIREMENTS SET FORTH BY THE UTILITY COMPANY AND PAY FOR ALL FEES TO GET POWER CONNECTED TO BUILDING. COORDINATE PRIOR TO BID AND BID ACCORDINGLY.
6. PROVIDE UNISTRUT SUPPORT ACROSS STRUCTURE WITH ANCHOR BOLT TO SUPPORT THE MOUNTING OF WEATHERHEADS TO THE SIDE OF THE BUILDING.

SHEET NOTES:

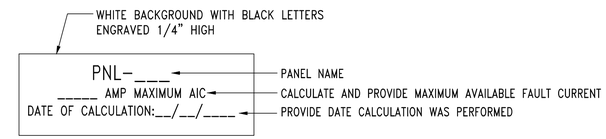
1. TRANSFORMER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE TRANSFORMER PAD PER UTILITY COMPANY SPECIFICATIONS.
2. INSTALL UNDERGROUND PRIMARY CONDUITS AS INDICATED BY LOCAL UTILITY COMPANY.
3. METER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE METER CONDUIT PER UTILITY COMPANY SPECIFICATIONS.
4. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER PROVISIONS.
5. SEE SHEET E5.2 FOR GROUNDING DETAILS. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER PROVISIONS.



1 / E5.1 FOOTBALL / SOCCER CONCESSIONS POWER RISER DIAGRAM
NO SCALE

NOTES:

1. CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

2 / E5.1 DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE
NO SCALE

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CRENSHAW COUNTY, AL

POWER RISER, DETAILS & NOTES

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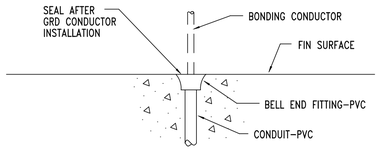
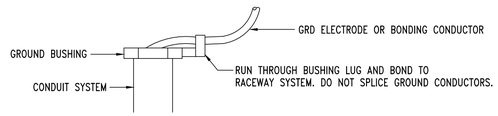
E5.1
Sheet Number

NOTES
1. ALL GROUND ELECTRODE CONDUCTORS, SYSTEM BONDING CONDUCTORS, ETC., RUN SEPARATELY SHALL BE PROTECTED BY A CONDUIT SYSTEM.
2. ALL SYSTEM GROUNDING OR BONDING CONDUCTORS SHALL GENERALLY BE ENCLOSED BY A GRC CONDUIT. PROVIDE GROUND BUSHINGS ON EACH END AND BOND CONDUCTORS TO RACEWAY SYSTEM.
3. SYSTEM BONDING CONDUCTORS THAT PENETRATE CONCRETE SLABS SHALL BE ENCLOSED BY A PVC CONDUIT. PROVIDE BELL END FITTING ON EACH END AND SEAL. THOSE TERMINATING AT A STUB-UP SHALL BE FLUSH WITH FLOOR.



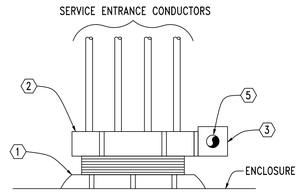
THROUGH CONCRETE



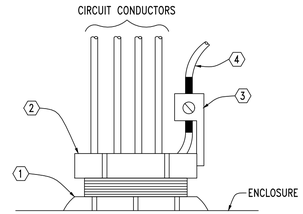
SURFACE MOUNTED

4 ES2 DETAIL - TYPICAL GROUND CONDUCTOR IN CONDUIT SYSTEM
NO SCALE

DETAIL NOTES
1. LOCK-NUT ASSEMBLIES
2. METAL GROUNDING BUSHING
3. COPPER GROUND LUG
4. COPPER GROUND CONDUCTOR. REMOVE INSULATION AT BUSHING, RUN THROUGH BUSHING LUG AND BOND TO RACEWAY SYSTEM. DO NOT SPLICE OR TAP.
5. CONTINOUS COPPER GROUND CONDUCTOR FROM GROUND BUS THROUGH EACH BUSHING. DO NOT SPLICE OR TAP.



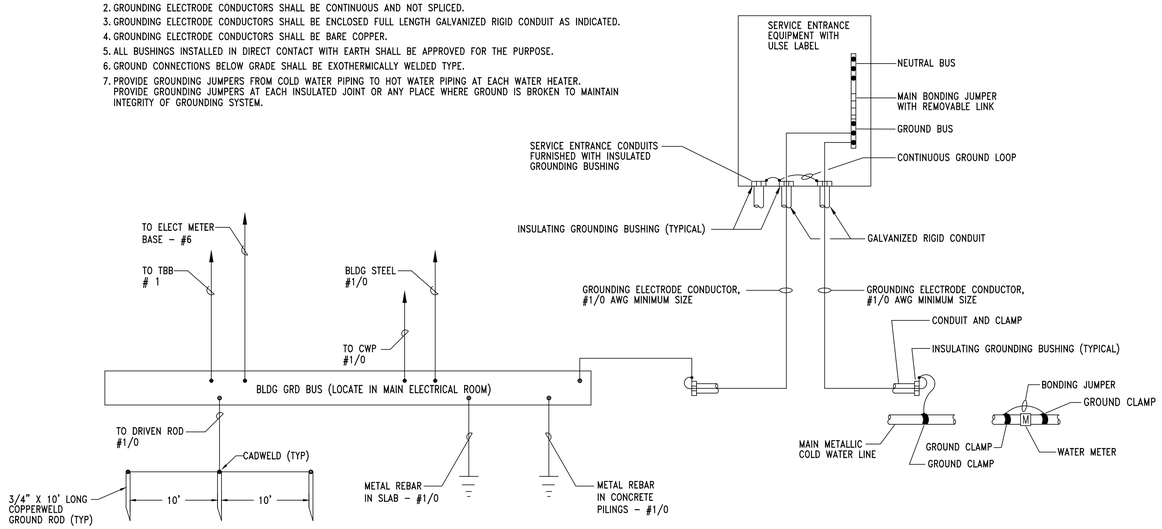
FOR SERVICE ENTRANCE CONDUITS



FOR FEEDER AND/OR BRANCH CIRCUITS

3 ES2 DETAIL - TYPICAL GROUND BUSHING INSTALLATION
NO SCALE

NOTES
1. GROUNDING ELECTRODE SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE CONTINUOUS AND NOT SPLICED.
3. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH GALVANIZED RIGID CONDUIT AS INDICATED.
4. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER.
5. ALL BUSHINGS INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
6. GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMICALLY WELDED TYPE.
7. PROVIDE GROUNDING JUMPERS FROM COLD WATER PIPING TO HOT WATER PIPING AT EACH WATER HEATER. PROVIDE GROUNDING JUMPERS AT EACH INSULATED JOINT OR ANY PLACE WHERE GROUND IS BROKEN TO MAINTAIN INTEGRITY OF GROUNDING SYSTEM.

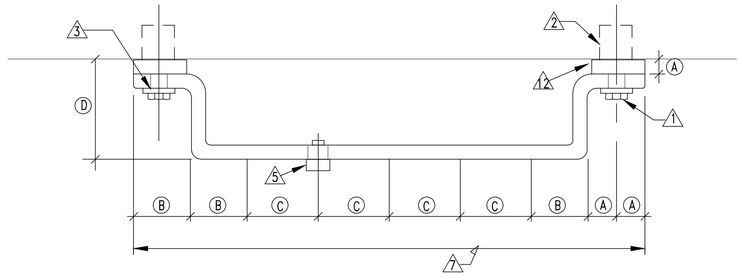


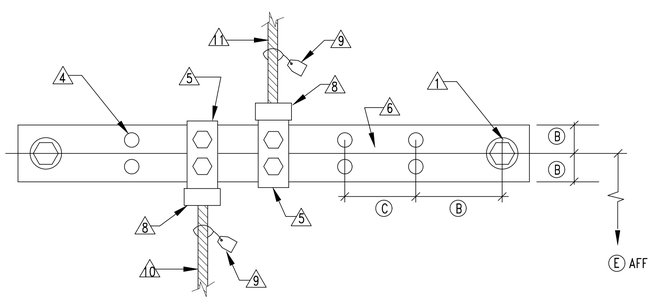
1 ES2 DETAIL - SERVICE ENTRANCE GROUNDING INSTALLATION
NO SCALE

GROUNDING AND BONDING INSTALLATION NOTES
1. ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC, NESC, IEEE, ANSI AND UL STANDARDS.
2. ALL DIMENSIONING INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
3. THE PURPOSE OF THE GROUNDING AND BONDING SYSTEM IS TO ESTABLISH ALL EQUIPMENT ENCLOSURES, NON-CURRENT CARRYING METALLIC PORTIONS OF THE ELECTRICAL DISTRIBUTION SYSTEM, METAL PIPING, METAL BUILDING FRAME, ETC., AT A ZERO POTENTIAL RELATIVE TO THE EARTH GROUND AND PROVIDE FOR A SAFE, LOW IMPEDANCE RETURN PATH FOR GROUND-FAULT CURRENT. THIS SHALL BE ACCOMPLISHED IN THE FOLLOWING MANNER:
   a. PROVIDE A SOLIDLY GROUNDED SECONDARY SYSTEM.
   b. INTER-CONNECT ALL GROUND BUSES AND POINTS IN THE SYSTEM WITH A COPPER GRD CONDUCTOR (BUS) SYSTEM.
   c. ALL METALLIC RACEWAYS SHALL BE UL APPROVED AND MADE-UP TIGHT AT ALL COUPLINGS AND TERMINATIONS.
   d. ALL GROUND CONDUCTORS IN CIRCUITS SHALL BE CONTAINED WITHIN THE SAME RACEWAY AS CURRENT CARRYING CONDUCTORS.
   e. ALL SPLICES AND TERMINATIONS SHALL BE MADE TIGHT AND AS SUCH TO PROVIDE LOW IMPEDANCE AND SHALL HAVE THE SAME SHORT-TIME CURRENT-CARRYING CAPABILITY AS THE CONDUCTOR IT IS CONNECTED TO.
   f. ALL GRD ELECTRODES OR BONDING CONDUCTORS INSTALLED ALONE WITHIN A RACEWAY SHALL UTILIZE GRC WITH GROUNDING BUSHINGS AT EACH END. THIS GROUND CONDUCTOR SHALL LOOP THROUGH THE BUSHING LUG PRIOR TO TERMINATION.

DIMENSION BLOCK		
REF	ENGLISH	SI
A	1"	25.4mm
B	2"	50.8mm
C	2 1/2"	63.5mm
D	3"	76.2mm
E	1'-6"	.4572m

GROUND BUS NOTES
1. GROUND BUS INSTALLATION SHALL BE IN ACCORDANCE WITH THIS DETAIL AND AS INDICATED ON THE DRAWINGS.





2 ES2 DETAIL - TYPICAL GROUND BUS INSTALLATION
NO SCALE

KEYED NOTES
1. 1/2" (12.7mm) X 1 1/2" (38.1mm) SILICON-BRONZE MACHINE BOLT & SILICON-BRONZE WASHER
2. 1/2" (12.7mm) EXPANSION ANCHOR
3. 9/16"ø (14.2875mm) HOLE IN BAR
4. DRILLED DOUBLE CONNECTOR HOLES
5. FLAT, TWO-HOLE CU CABLE CONNECTOR #6 TO #2 (DOUBLE LUGS) #1 TO #2/0 (SINGLE LUGS ONLY)
6. 4" (101.6mm) WIDE, 1/4" (6.35mm) DEEP COPPER BUS BAR.
7. LENGTH AS REQUIRED BY NUMBER OF CONDUCTOR CONNECTIONS OR AS SPECIFICALLY INDICATED. PROVIDE INTERMEDIATE WALL SUPPORTS AS REQUIRED.
8. TYP CU GRD CONDUCTOR CONNECTION
9. DESCRIPTION TAG. STATE SIZE OF CONDUCTOR AND TO WHAT IT IS CONNECTED TO.
10. TYP GRD CONNECTION FROM BELOW. SEE APPLICABLE DETAILS FOR SLAB PENETRATIONS.
11. TYP GRD CONNECTION FROM ABOVE. SEE APPLICABLE DETAILS FOR GRC INSTALLATIONS.
12. INSULATED NON-CONDUCTIVE SPACER

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Project #: 22-42
Design By: J. TILLERY
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- FOOTBALL / SOCCER CONCESSIONS -
CRENSHAW COUNTY, AL

GROUNDING DETAILS & NOTES

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E5.2
Sheet Number

CRENSHAW COUNTY SPORTSPLEX

(PHASE 3 - BUILDING CONSTRUCTION)

SET B

- TRACK AND FIELD -

US 29 / HWY 331

LUVERNE, ALABAMA 36049

- DRAWINGS FOR CONSTRUCTION -

GENERAL PROJECT DESCRIPTION:
THE PROJECT, LOCATED AT THE CRENSHAW COUNTY SPORTSPLEX, CONSISTS OF A NEW TRACK AND FIELD BUILDING, WITH OFFICES, RESTROOMS, AND CONCESSIONS.

AUTHORITIES HAVING JURISDICTION

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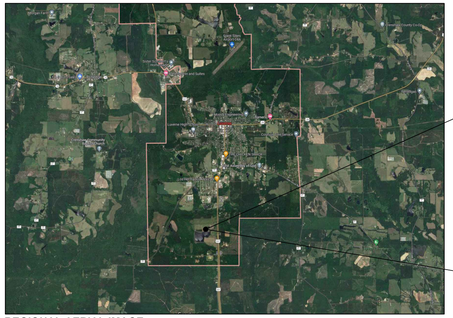
APPLICABLE CODES (AS ADOPTED BY THE CITY OF LUVERNE, AL):
INTERNATIONAL BUILDING CODE (IBC) 2015 EDITION
ICC A117.1 2009 EDITION
AMERICANS WITH DISABILITIES ACT (ADA) 2010 (NOT ENFORCED BY BUILDING DEPARTMENT - BUT REQUIRED BY FEDERAL GOVERNMENT)
INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2015 EDITION
INTERNATIONAL PLUMBING CODE (IPC) 2015 EDITION
INTERNATIONAL FUEL GAS CODE (IFGC) 2015 EDITION
INTERNATIONAL MECHANICAL CODE (IMC) 2015 EDITION
NATIONAL ELECTRICAL CODE (NEC) 2014 EDITION
***NOTE: BUILDING COMPLIES WITH IBC 2015, PER THE STATE FIRE MARSHAL REQUIREMENTS



REGIONAL AERIAL IMAGE
NOT TO SCALE



SITE AERIAL IMAGE
NOT TO SCALE

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STATE OF ALABAMA
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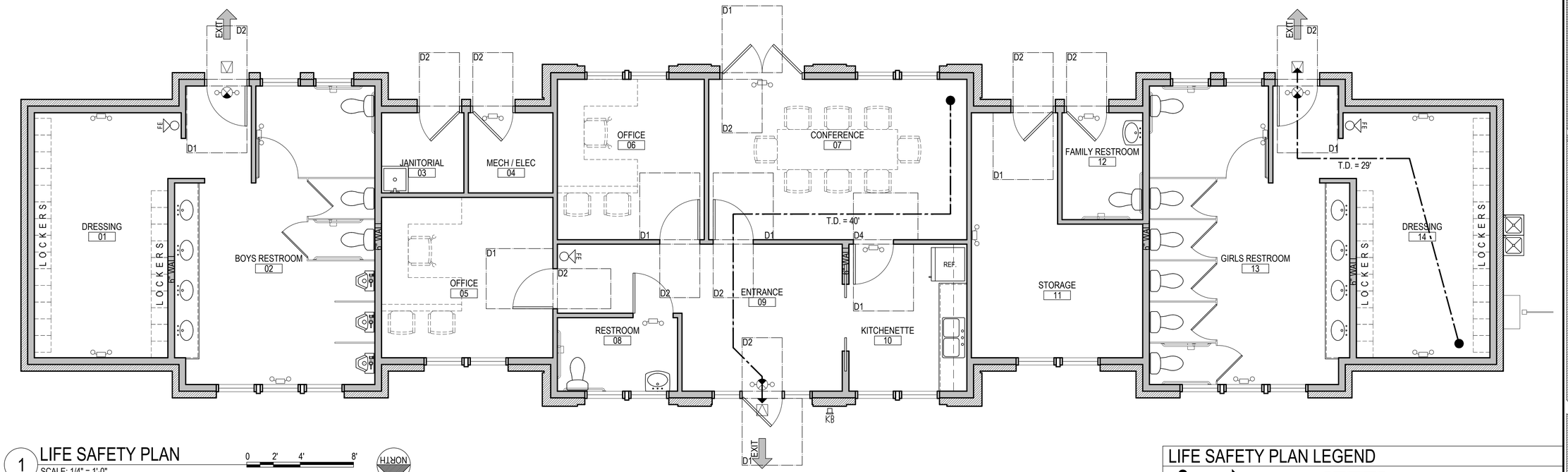
G1.0
Sheet Number



1 LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

NORTH

LIFE SAFETY PLAN LEGEND

- COMMON PATH OF TRAVEL
- TRAVEL DISTANCE
- DEAD END CORRIDOR
- ADA CLEAR FLOOR SPACE / APPROACH AS NOTED
- FE — FIRE EXTINGUISHER: SURFACE MOUNT TO WALL WITH MFG. FURNISHED BRACKET. TO COMPLY WITH ADA, MOUNT SO BOTTOM OF EXTINGUISHER IS 26" ABOVE FINISH FLOOR. EXTINGUISHER IS TO BE A DRY CHEMICAL FIRE EXTINGUISHER CLASSIFICATION: 2-A: 20-B,C
- KB — KNOX BOX: 3200 SERIES, RECESSED MOUNT IN DARK BRONZE LOCATE 6'-0" A.F.F. - CONFIRM WITH AHJ.
- INDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE ELECTRICAL DRAWINGS
- INTERNALLY ILLUMINATED EMERGENCY EXIT SIGN WITH EMERGENCY LIGHTING AND BATTERY BACK-UP. FACE ILLUMINATED AND DIRECTIONAL ARROWS AS SHOWN ON PLAN: COLOR = WHITE. SEE ELECTRICAL DRAWINGS
- OUTDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE SPECIFICATION IN ELECTRICAL DRAWINGS

LIFE SAFETY PLAN GENERAL NOTES

GENERAL SCOPE OF WORK
A NEW TRACK AND FIELD BUILDING IS PROPOSED. THE PLAN INCLUDES A BUSINESS OFFICE, RESTROOMS, DRESSING ROOMS, A MECHANICAL ROOM, AND STORAGE ROOM

OCCUPANCY CLASSIFICATION - IBC CHAPTER 3, SECTION 304
BUSINESS (B)

CONSTRUCTION TYPE - IBC CHAPTER 6, SECTION 602.5
TYPE V(B) - CONCRETE SLAB ON GRADE, BRICK AND CEMENT BOARD SIDING OVER WOOD FRAMED EXTERIOR WALLS, WOOD ROOF FRAMING, AND AN ASPHALT SHINGLE ROOF OVER A WOOD DECK

ALLOWABLE HEIGHT - IBC CHAPTER 5, TABLE 504.3
40' ALLOWED VS. 16' PROVIDED (MEASURED TO AVERAGE HEIGHT OF HIGHEST ROOF SURFACE)

ALLOWABLE STORIES - IBC CHAPTER 5, TABLE 504.4
2 STORIES ALLOWED VS. 1 STORY PROVIDED

ALLOWABLE AREA - IBC CHAPTER 5, TABLE 506.2
9,000 SQ.FT. ALLOWED PER FLOOR VS. 2,713 SF 1ST FLOOR ACTUAL (ALLOWED AREA DOES NOT INCLUDE PERMITTED FRONTAGE INCREASE)

INTERIOR OCCUPANCY SEPARATIONS - IBC CHAPTER 5, SECTION 508.3.3
NONE REQ'D VS. NONE PROVIDED

INTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601, & CHAPTER 10, TABLE 1017.2
NONE REQ'D VS. NONE PROVIDED (NONE REQUIRED BASED ON CONSTRUCTION TYPE, FIRE RATED CONSTRUCTION, OR MEANS OF EGRESS.

EXTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601 AND 602
NONE REQUIRED BASED ON CONSTRUCTION TYPE OR FIRE SEPARATION DISTANCE. (SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE EXCEEDS 10'.)

EXTERIOR WALL OPENINGS ALLLOWED AREA - IBC CHAPTER 7, TABLE 705.8
UNLIMITED, UNPROTECTED OPENINGS ALLOWED
(SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE IS GREATER THAN 30')

FIRE SPRINKLER - IBC CHAPTER 9 SECTION 903.2
NONE REQ'D VS. NONE PROVIDED

FIRE ALARM - IBC CHAPTER 9, SECTION 907.2.2
NONE REQ'D VS. NONE PROVIDED

OCCUPANT LOAD - IBC CHAPTER 10, TABLE 1004.1.2
BUSINESS = 715 SF / 100 GSF PER PERSON = 7.15 OCCUPANTS
ASSEMBLY = 232 SF / 15 NSF PER PERSON = 15.47 OCCUPANTS
STORAGE = 282 SF / 300 GSF PER PERSON = .6 OCCUPANTS
LOCKER ROOMS = 1,102 SF / 50 GSF PER PERSON = 22.04 OCCUPANTS

TOTAL = 45.26 OCCUPANTS (ROUNDED UP TO 46 OCCUPANTS)

NUMBER OF EXITS REQ'D VS. PROVIDED - IBC CHAPTER 10, TABLE 1006.2.1, AND TABLE 1006.3.2(2)
1 REQ'D VS. 1 PROVIDED
(NUMBER OF EXITS REQUIRED BASED ON OCCUPANT LOAD IS 1. NUMBER OF EXITS REQUIRED TO LIMIT COMMON PATH OF TRAVEL TO 75' IS 1.)

EXIT CAPACITY REQUIRED VS. PROVIDED - IBC CHAPTER 10, SECTION 1010.1.1
46 OCCUPANTS x .2" OF EGRESS WIDTH PER OCCUPANT = 9.2" EGRESS WIDTH REQUIRED
32" CLEAR DOOR OPENING MIN. REQUIRED VS. 32" PROVIDED

MEANS OF EGRESS - IBC TABLE 1006.2.1, TABLE 1006.3.2(2), TABLE 1017.2, & SECTION 1020.2
75' MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE ALLOWED VS 40' PROVIDED
20' MAX. DEAD END CORRIDOR VS. 0' ACTUAL

INTERIOR FINISHES - IBC CHAPTER 8, TABLE 803.11, SECTION 804.4.2
INTERIOR EXIT STAIRWAYS AND EXIT PASSAGE WAYS ARE TO BE CLASS A RATED AT MIN. CORRIDOR WALL AND CEILING FINISHES ARE TO BE CLASS B RATED AT MIN. ENCLOSED ROOM WALL AND CEILING FINISHES ARE TO BE CLASS C RATED AT MIN. FLOOR FINISHES ARE TO BE CLASS II RATED AT MIN.

EMERGENCY LIGHTING - IBC CHAPTER 10, SECTION 1008.3
THE FOLLOWING AREAS, ON THIS PARTICULAR PROJECT, ARE REQUIRED TO BE PROVIDED WITH EMERGENCY LIGHTING WITH A MINIMUM 90 MINUTE EMERGENCY POWER.
1. ELECTRICAL EQUIPMENT ROOM
2. EXTERIOR LANDINGS
3. PUBLIC RESTROOMS OVER 300 SQUARE FEET

EXIT SIGNS - IBC CHAPTER 10, SECTION 1013.1, EXCEPTION 1
NONE REQUIRED

NOTE: EXIT SIGNS AND ADDITIONAL EMERGENCY LIGHTS ARE BEING ADDED FOR IMPROVED SAFETY, THOUGH THEY MAY NOT BE REQUIRED.

PLUMBING FIXTURE COUNT - IBC CHAPTER 29, TABLE 2902.1
TOTAL OCCUPANCY SUPPORTED IS PROVIDED BELOW. CALCULATIONS ARE BASED UPON ASSEMBLY (A-5) CLASSIFICATION FOR OUTDOOR SPORTING EVENTS, EXCEPT THE TWO UNISEX RESTROOMS, WITH THE CALCULATIONS BASED UPON A BUSINESS (B) CLASSIFICATION. BUILDING OFFICIAL TO CONFIRM FIXTURE COUNT IS SUFFICIENT FOR ANTICIPATED OCCUPANT LOAD FOR OUTDOOR SPORTING EVENTS.

TWO UNISEX RESTROOMS (INCLUDES FAMILY RESTROOM):
2 WATER CLOSET REQ'D VS. 2 PROVIDED
2 LAVATORY REQ'D VS. 2 PROVIDED

***IF ASSUMED HALF MALE AND HALF FEMALE, OCCUPANCY COUNT SUPPORTED FOR OUTDOOR SPORTING EVENTS EQUALS:

FEMALE:
6 WATER CLOSETS @ 1 PER 40 = 240 OCCUPANTS SUPPORTED
4 LAVATORIES @ 1 PER 150 = 600 OCCUPANTS SUPPORTED

MALE:
3 WATER CLOSETS @ 1 PER 75 = 225 OCCUPANTS SUPPORTED
3 URINALS @ 1 PER 75 = 225 OCCUPANTS SUPPORTED
4 LAVATORIES @ 1 PER 200 = 800 OCCUPANTS SUPPORTED

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

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CRENSHAW COUNTY
SPORTSPLEX
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CRENSHAW COUNTY, AL

TRACK AND FIELD
- EAST LIFE SAFETY
PLAN -

STATE OF ALABAMA
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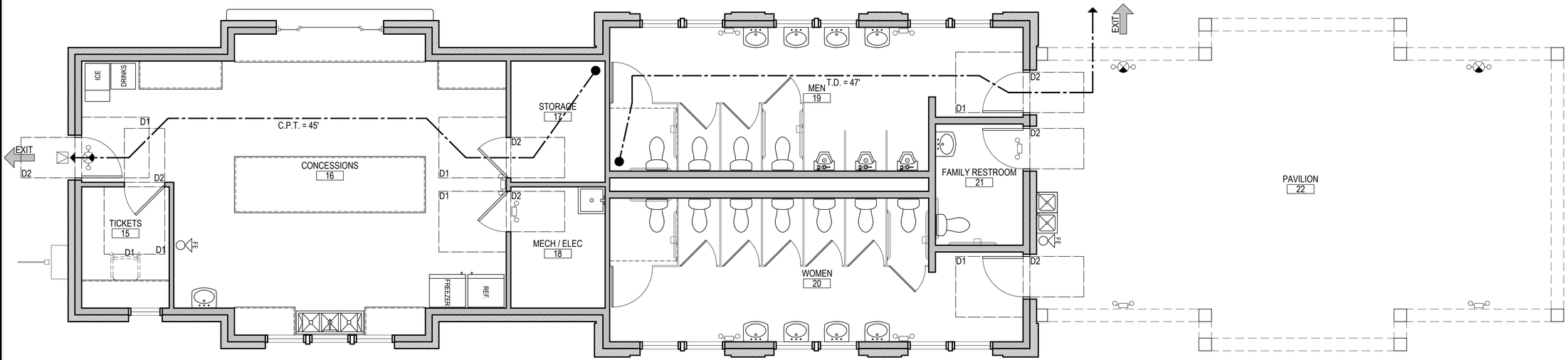
REGISTERED ARCHITECT

G1.1
Sheet Number

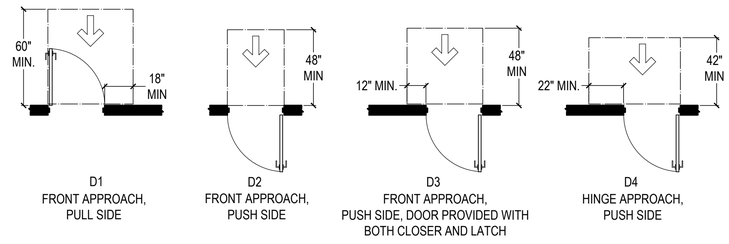


1 LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

NORTH

ACCESSIBLE DOOR APPROACHES



D1
FRONT APPROACH, PULL SIDE

D2
FRONT APPROACH, PUSH SIDE

D3
FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH

D4
HINGE APPROACH, PUSH SIDE

LIFE SAFETY PLAN GENERAL NOTES

GENERAL SCOPE OF WORK
A NEW TRACK AND FIELD BUILDING IS PROPOSED. THE PLAN INCLUDES CONCESSIONS, RESTROOMS, AND A PAVILION.

OCCUPANCY CLASSIFICATION - IBC CHAPTER 3, SECTION 303.4 & 304
BUSINESS (B) - CONCESSIONS AND RESTROOMS
ASSEMBLY (A-3) - PAVILION (COMMUNITY HALL)

CONSTRUCTION TYPE - IBC CHAPTER 6, SECTION 602.5
TYPE V(B) - CONCRETE SLAB ON GRADE, BRICK AND CEMENT BOARD SIDING OVER WOOD FRAMED EXTERIOR WALLS, WOOD ROOF FRAMING, AND AN ASPHALT SHINGLE ROOF OVER A WOOD DECK

ALLOWABLE HEIGHT - IBC CHAPTER 5, TABLE 504.3
40' ALLOWED VS. 16' PROVIDED (MEASURED TO AVERAGE HEIGHT OF HIGHEST ROOF SURFACE)

ALLOWABLE STORIES - IBC CHAPTER 5, TABLE 504.4
1 STORIES ALLOWED VS. 1 STORY PROVIDED

ALLOWABLE AREA - IBC CHAPTER 5, TABLE 506.2
6,000 SQ.FT. ALLOWED PER FLOOR VS. 2,713 SF 1ST FLOOR ACTUAL (ALLOWED AREA DOES NOT INCLUDE PERMITTED FRONTAGE INCREASE)

INTERIOR OCCUPANCY SEPARATIONS - IBC CHAPTER 5, SECTION 508.3.3
NONE REQ'D VS. NONE PROVIDED

INTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601, & CHAPTER 10, TABLE 1017.2
NONE REQ'D VS. NONE PROVIDED (NONE REQUIRED BASED ON CONSTRUCTION TYPE, FIRE RATED CONSTRUCTION, OR MEANS OF EGRESS.

EXTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601 AND 602
NONE REQUIRED BASED ON CONSTRUCTION TYPE OR FIRE SEPARATION DISTANCE. (SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE EXCEEDS 10'.)

EXTERIOR WALL OPENINGS ALLLOWED AREA - IBC CHAPTER 7, TABLE 705.8
UNLIMITED, UNPROTECTED OPENINGS ALLOWED
(SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE IS GREATER THAN 30')

FIRE SPRINKLER - IBC CHAPTER 9 SECTION 903.2
NONE REQ'D VS. NONE PROVIDED

FIRE ALARM - IBC CHAPTER 9, SECTION 907.2.2
NONE REQ'D VS. NONE PROVIDED

OCCUPANT LOAD - IBC CHAPTER 10, TABLE 1004.1.2
BUSINESS = 1,490 SF / 100 GSF PER PERSON = 14.9 OCCUPANTS
ASSEMBLY = 862 SF / 15 NSF PER PERSON = 57.47 OCCUPANTS

TOTAL = 72.37 OCCUPANTS (ROUNDED UP TO 73 OCCUPANTS)

NUMBER OF EXITS REQ'D VS. PROVIDED - IBC CHAPTER 10, TABLE 1006.2.1, AND TABLE 1006.3.2(2)
2 REQ'D VS. MORE THAN 2 PROVIDED
(NUMBER OF EXITS REQUIRED BASED ON OCCUPANT LOAD IS 2. NUMBER OF EXITS REQUIRED TO LIMIT COMMON PATH OF TRAVEL TO 75' IS 1.)

EXIT CAPACITY REQUIRED VS. PROVIDED - IBC CHAPTER 10, SECTION 1010.1.1
73 OCCUPANTS x .2" OF EGRESS WIDTH PER OCCUPANT = 14.6" EGRESS WIDTH REQUIRED
32" CLEAR DOOR OPENING MIN. REQUIRED VS. 32" PROVIDED

MEANS OF EGRESS - IBC TABLE 1006.2.1, TABLE 1006.3.2(2), TABLE 1017.2, & SECTION 1020.2
200' MAX. EXIT ACCESS TRAVEL DISTANCE VS. 47' PROVIDED
75' MAX. COMMON PATH OF EGRESS TRAVEL DISTANCE ALLOWED VS. 45' PROVIDED
20' MAX. DEAD END CORRIDOR VS. 0' ACTUAL

INTERIOR FINISHES - IBC CHAPTER 8, TABLE 803.11, SECTION 804.4.2
INTERIOR EXIT STAIRWAYS AND EXIT PASSAGE WAYS ARE TO BE CLASS A RATED AT MIN.
CORRIDOR WALL AND CEILING FINISHES ARE TO BE CLASS A RATED AT MIN. ENCLOSED ROOM WALL AND CEILING FINISHES ARE TO BE CLASS C RATED AT MIN. FLOOR FINISHES ARE TO BE CLASS II RATED AT MIN.

EMERGENCY LIGHTING - IBC CHAPTER 10, SECTION 1008.3
THE FOLLOWING AREAS, ON THIS PARTICULAR PROJECT, ARE REQUIRED TO BE PROVIDED WITH EMERGENCY LIGHTING WITH A MINIMUM 90 MINUTE EMERGENCY POWER.
1. EXIT PASSAGEWAYS
2. ELECTRICAL EQUIPMENT ROOM
2. EXTERIOR LANDINGS
3. PUBLIC RESTROOMS OVER 300 SQUARE FEET

EXIT SIGNS - IBC CHAPTER 10, SECTION 1013.1
REQUIRED AND PROVIDED

NOTE: EXIT SIGNS AND ADDITIONAL EMERGENCY LIGHTS ARE BEING ADDED FOR IMPROVED SAFETY, THOUGH THEY MAY NOT BE REQUIRED.

PLUMBING FIXTURE COUNT - IBC CHAPTER 29, TABLE 2902.1
THE MALE AND FEMALE OCCUPANT LOAD OF THE BUILDING EACH REQUIRE ONE TOILET AND ONE LAVATORY. ADDITIONAL OCCUPANCY SUPPORTED IS PROVIDED BELOW. CALCULATIONS ARE BASED UPON ASSEMBLY (A-5) CLASSIFICATION FOR OUTDOOR SPORTING EVENTS. BUILDING OFFICIAL TO CONFIRM FIXTURE COUNT IS SUFFICIENT FOR ANTICIPATED OCCUPANT LOAD FOR OUTDOOR SPORTING EVENTS. A FAMILY RESTROOM IS PROVIDED IN THE ADJACENT BUILDING, LOCATED ON AN ACCESSIBLE ROUTE LESS THAN 500 FEET AWAY.

REQUIRED FOR THIS BUILDING:
1 MALE AND 1 FEMALE WATER CLOSET REQ'D VS. PROVIDED
1 MALE AND 1 FEMALE LAVATORY REQ'D VS. PROVIDED

***IF ASSUMED HALF MALE AND HALF FEMALE, OCCUPANCY COUNT SUPPORTED FOR OUTDOOR SPORTING EVENTS EQUALS:
FEMALE:
6 ADDITIONAL WATER CLOSETS @ 1 PER 40 = 240 OCCUPANTS SUPPORTED
3 ADDITIONAL LAVATORIES @ 1 PER 150 = 450 OCCUPANTS SUPPORTED

MALE:
3 ADDITIONAL WATER CLOSETS @ 1 PER 75 = 225 OCCUPANTS SUPPORTED
3 ADDITIONAL URINALS @ 1 PER 75 = 225 OCCUPANTS SUPPORTED
3 ADDITIONAL LAVATORIES @ 1 PER 200 = 600 OCCUPANTS SUPPORTED

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

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Design By:
JBP, DJB, & JHF

Project Date:
10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

TRACK AND FIELD
- WEST LIFE SAFETY PLAN -

STATE OF ALABAMA
MONTGOMERY
JOHN H. FOSHEE
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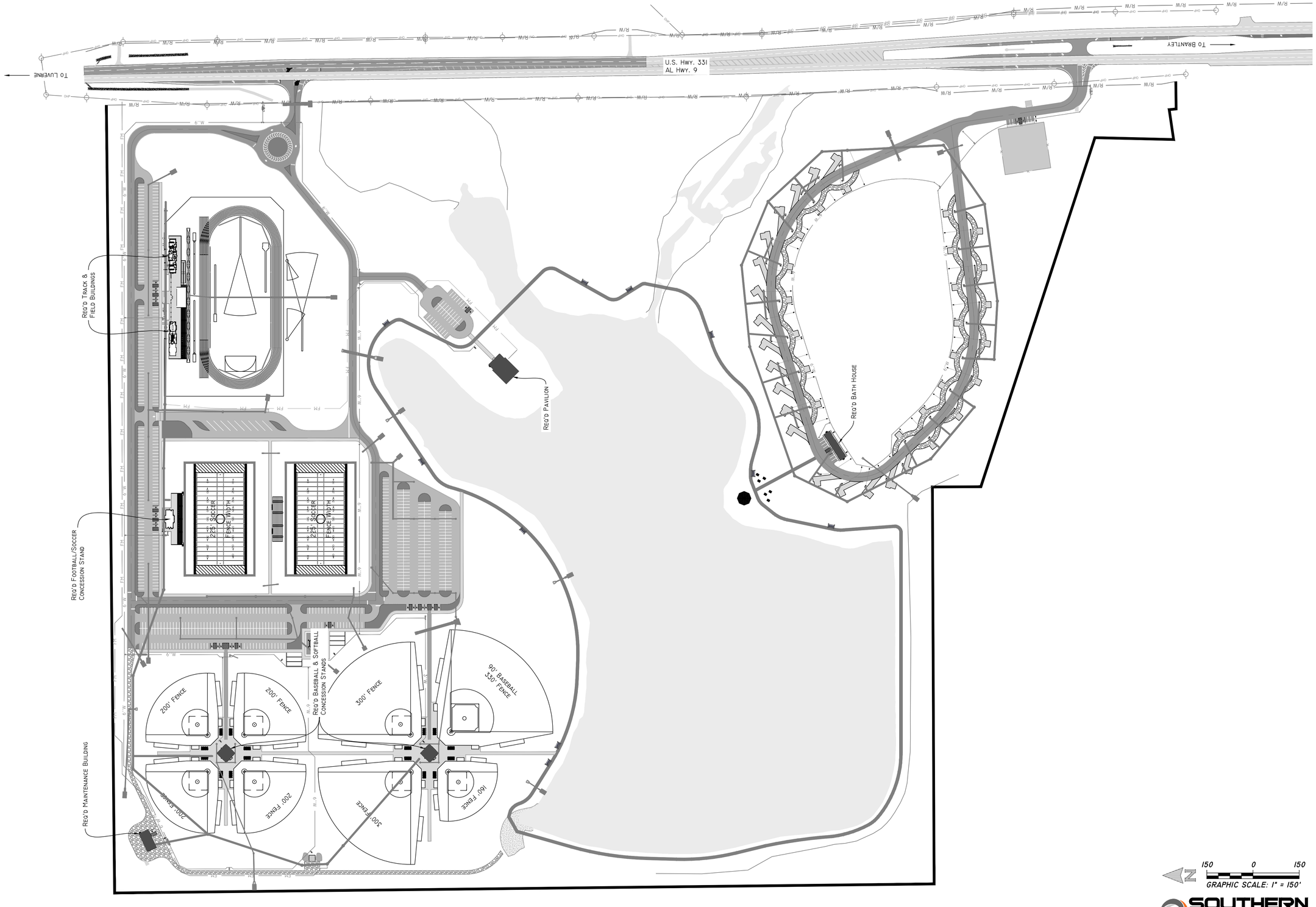
ALABAMA
REGISTERED ARCHITECT

G1.2
Sheet Number



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*

CRENSHAW COUNTY SPORTSPLEX
- SITE LAYOUT -
CRENSHAW COUNTY, AL

OVERALL SITE MASTER VIEW

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 33771
10/25/24
TROY M. HUDSON

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C1.1
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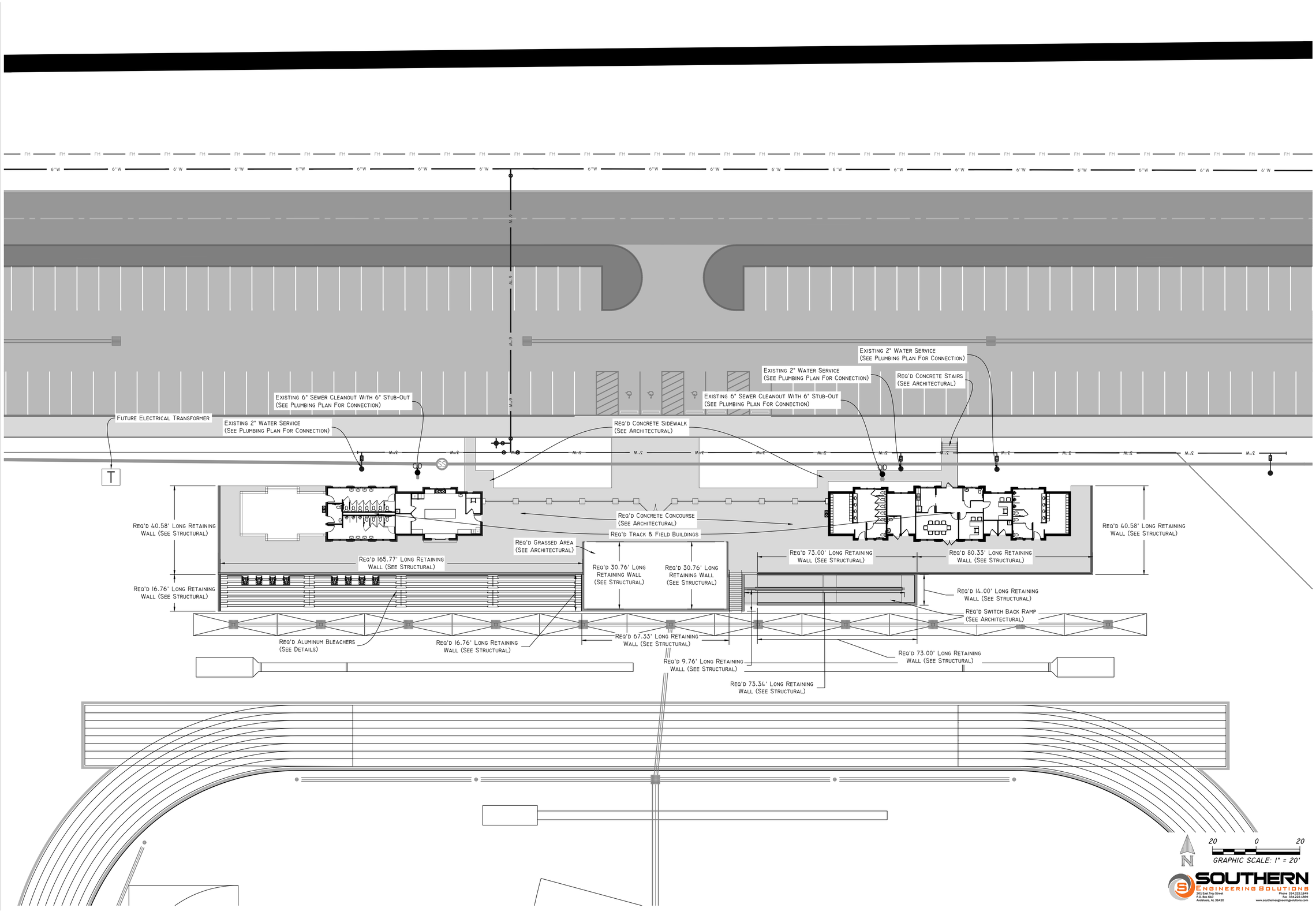

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CRENSHAW COUNTY
SPORTSPLEX
- TRACK & FIELD -
CRENSHAW COUNTY, AL

CIVIL SITE LAYOUT PLAN
TRACK & FIELD

ALABAMA
LICENSED
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C2.6
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LEGEND

310	EXISTING MAJOR CONTOUR
308	EXISTING MINOR CONTOUR
310	PROPOSED MAJOR CONTOUR
308	PROPOSED MINOR CONTOUR
PR - 328.23	PROPOSED SPOT ELEVATION

ESTIMATED EARTHWORK QUANTITIES

GROSS FILL	≈ 260 CY
GROSS CUT	≈ 1210 CY
APPROXIMATE CUT REQUIRED	≈ 950 CY

NOTE:

THE STATED QUANTITY IS AN ESTIMATE BASED ON THE PROPOSED FINISHED GRADE OF PHASE I. NO AS-BUILT SURVEY HAS BEEN CONDUCTED FOR PHASE I. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADES PRIOR TO BIDDING TO ENSURE ACCURACY.

PR - 328.45
PR - 327.27
PR - 327.32
PR - 327.53
PR Top - 328.03
PR - 328.11
PR - 328.08
PR - 328.12
PR - 327.93
PR - 328.03
PR - 328.64
PR - 328.18
PR - 326.63
PR - 326.05
PR - 325.84
PR Top - 326.34
PR - 325.47
PR - 328.14
PR - 328.23
PR - 328.08
PR - 328.09
PR - 328.15
PR - 327.73
PR - 327.35
PR - 327.23
PR - 328.08
PR - 328.17
PR - 328.27
FFE = 328.28
FFE = 328.28
LANDING AREA = 325.48
LANDING AREA = 327.98
LANDING AREA = 317.98
LANDING AREA = 320.48
LANDING AREA = 322.98
PR - 317.71
PR - 317.47
PR - 317.55
PR - 317.71
PR - 317.57
PR - 317.55

20 0 20
GRAPHIC SCALE: 1" = 20'

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Revisions: *

CRENSHAW COUNTY SPORTSPLEX
- TRACK & FIELD -
CRENSHAW COUNTY, AL

CIVIL SITE GRADING PLAN
TRACK & FIELD

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 23771
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C2.7
Sheet Number

GENERAL NOTES

FOUNDATIONS:

1. THE "CONTROLLED AREA" SHALL EXTEND BENEATH AND 5 FEET BEYOND THE BUILDING AREA. THE "CONTROLLED AREA" SHALL BE COMPLETELY STRIPPED AND ALL SURFACE VEGETATION, ORGANIC FILL OR TOPSOIL, DEBRIS AND ANY OTHER DELETERIOUS MATERIALS REMOVED.
2. THE SUBGRADE ELEVATIONS SHALL BE ESTABLISHED BY CONSTRUCTION OF AN ENGINEERED FILL USING SUITABLE FILL EARTH AND PLACED IN LIFTS NOT TO EXCEED 12" LOOSE MEASURE. THE SUBGRADE SHALL BE DENSIFIED TO 95% (MIN.) STANDARD DENSITY (ASTM D-698A). VERIFYING IN-PLACE DENSITY TESTS ARE REQUIRED.
3. FOOTINGS ARE SIZED FOR A SOIL BEARING VALUE OF 1500 PSF. FOUNDATIONS SHALL EXTEND TO A MINIMUM OF FROST PENETRATION DEPTH, TO A DEPTH WHERE SOIL MOISTURE CONTENT DOES NOT FLUCTUATE (WHICHEVER IS GREATER) AND A MINIMUM DEPTH OF 24" BELOW FINISHED GRADE EXTERIOR AND 18" BELOW TOP OF SLAB INTERIOR.
4. FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL REPORT FOR CRENSHAW PARK SPORTS COMPLEX, U.S. HIGHWAY 331, LUVERNE, ALABAMA BY TTL, INC, PROJECT NO. 000220201830.01, DATED APRIL 18, 2022.
5. IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE GOOD DRAINAGE AWAY FROM ALL FOUNDATIONS. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE FOUNDATIONS TO PREVENT SATURATION OF THE SUB-BASE. GOOD DRAINAGE MUST BE MAINTAINED FOR THE DURATION OF THE BUILDING.
6. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFF-SETS, BRICK LEDGES, AND BLOCK OUTS AND ARCH. PLANS AND NOTIFY ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST.

CONCRETE:

1. CONCRETE SHALL CONFORM TO THE BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE (ACI 318).
2. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF
   F'c = 3000 PSI (MIN).
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
4. MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE:
   (A) CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ------ 3 IN.
   (B) EXPOSED TO EARTH OR WEATHER ---------- 2 IN.
5. LAP ALL CONTINUOUS REINFORCEMENT 30 BAR DIAMETER MINIMUM, UNLESS NOTED OTHERWISE. AT EXTERIOR BUILDING CORNERS, PROVIDE 3'-0" X 3'-0" CORNER BARS, SAME SIZE AND NUMBER AS DETAILED HORIZONTAL BARS.

TIMBER FRAMING AND LAMINATED VENEER BEAMS:

1. WOOD FRAMING MEMBERS SHALL BE MINIMUM NO.2 SOUTHERN YELLOW PINE OR EQUIVALENT.
   Fb = 1200 PSI E = 1,500,000 PSI
2. LAMINATED VENEER BEAMS SHALL BE VERSA LAM BY BOISE CASCADE OR EQUAL WITH THE FOLLOWING MINIMUM MATERIAL PROPERTIES:
   Fb = 2900 PSI E = 2,000,000 PSI
   AND SHALL BE INSTALLED IN ACCORDANCE WITH ALL MANF. SPECIFICATIONS.
3. WOOD I-JOISTS, WHERE NOTED ON PLAN SHALL BE SIZED AS NOTED ON PLAN OR EQUIVALENT. ALL DETAILS AND WORKMANSHIP STANDARDS SHALL CONFORM TO MANUFACTURER "TYPICAL FLOOR FRAMING" INSTALLATION NOTES AND DETAILS.
4. UNLESS OTHERWISE NOTED, ALL MEMBER CONNECTIONS SHALL HAVE STANDARD GALVANIZED METAL FRAMING ANCHORS OR CLIPS CONNECTING MEMBERS CARRYING ANY COMBINATION OF DEAD, LIVE, AND WIND LOADS.
5. THE EXTERIOR FACE OF ALL EXTERIOR STUD WALLS SHALL BE SHEATHED WITH 15/32 INCH SHEATHING RATED WOOD STRUCTURAL PANELS AND NAILED WITH 8D NAILS AT 4" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS/STUDS. PROVIDE BLOCKING AT PANEL EDGES. THE STRUCTURAL SHEATHING SHALL BE FOR THE FULL WALL HEIGHT, AND WHERE OPENINGS OCCUR, THE WALL SHALL BE ENTIRELY SHEATHED INCLUDING AREAS ABOVE AND BELOW THE OPENINGS.

PREFABRICATED WOOD TRUSSES:

1. ALL PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES AND SPECIFICATIONS TO SUPPORT ALL LIVE LOADS, DEAD LOADS, AND CONCENTRATED LOADS. TEMPORARY LATERAL BRACING (DIAGONAL AND LATERAL BRIDGING), SHALL BE DESIGNED, PROVIDED AND NOTED ON ERECTION DRAWINGS BY THE MANUFACTURER.
2. PROVIDE EAVE BRACING DETAILS, ETC. AS REQUIRED TO INSURE PLUMB, LEVEL STRUCTURAL BASE FOR EAVE TRIM AND CORNICE. NO TWISTING OR WARPING OF TRUSS ENDS WILL BE ACCEPTED PRIOR TO INSTALLATION OF CORNICE AND TRIM.
3. ALL TRUSSES SHALL BE DESIGNED AND ANCHORED TO WITHSTAND THE NOTED WIND LOADS. THE ROOF TRUSSES SHALL BE DESIGNED AND ANCHORED FOR THE FOLLOWING LOADS:
   TOP CHORD LIVE LOAD = 20 PSF
   TOP CHORD DEAD LOAD = 10 PSF
   BOTTOM CHORD LIVE LOAD = 10 PSF
   BOTTOM CHORD DEAD LOAD = 15 PSF
   ROOF WIND PRESSURE = AS PER IBC
   NET WIND UPLIFT = 20 PSF MIN.
4. VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY ARCHITECT/ENGINEER OF ANY REQUIRED MODIFICATIONS.
5. SUBMIT DESIGN DRAWINGS AND CALCULATIONS BEARING THE REGISTERED PROFESSIONAL ENGINEER'S SEAL OF THE DESIGN ENGINEER.

SHOP DRAWINGS:

SUBMIT FOR REVIEW TO THE ARCHITECT/ENGINEER, IN ACCORDANCE WITH SPECIFICATIONS AS FOLLOWS:

1. PLACING PLANS AND DETAILS OF CONCRETE REINFORCEMENT IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL (ACI 315).
2. LAYOUT AND DETAILS OF ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL. ALL SUBMITTALS SHALL BEAR THE APPROVAL STAMP OF THE CONTRACTOR VERIFYING THAT DIMENSIONS AND DETAILS COMPLY WITH THE EXISTING CONDITIONS AND CONTRACT DRAWINGS.

DESIGN LOADS:

ROOF LIVE LOAD ---------- 20 PSF
CEILING WITH STORAGE ---------- 20 PSF
CEILING WITHOUT STORAGE ---------- 10 PSF
1ST FLOOR LIVE LOADS ---------- 100 PSF

WIND LOAD (ASCE 7-16):

BASIC WIND VELOCITY ---------- 120 MPH (3 SEC. GUST)
OCCUPANCY CATEGORY ---------- II
WIND IMPORTANCE FACTOR ---------- 1.00
WIND EXPOSURE ---------- C
INTERNAL PRESSURE COEFFICIENTS ----- -0.18/+0.18

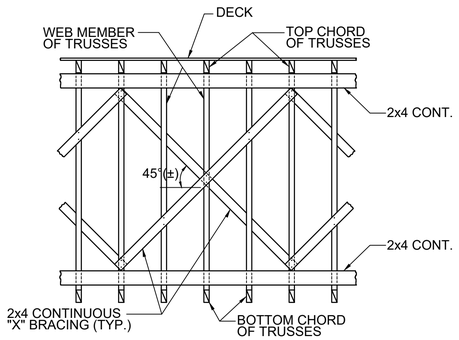
APPLICABLE CODES AND SPECIFICATIONS

INTERNATIONAL BUILDING CODE
AMERICAN CONCRETE INSTITUTE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
AMERICAN IRON AND STEEL INSTITUTE
AMERICAN SOCIETY OF TESTING AND MATERIALS
AMERICAN WELDING SOCIETY
NATIONAL CONCRETE MASONRY ASSOCIATION

WIND DESIGN LOADS FOR WINDOWS AND OTHER COMPONENTS AND CLADDING (ASCE 7-16)

ZONE	EFFECTIVE WIND AREA (FT^2)	120 MPH 3 SEC. GUST DESIGN PRESSURE (PSF) + (INWARD)[1]	- (OUTWARD)[2]
ZONE 4[3] (TYPICAL WALL)	10	+ 34.7	- 37.7
	50	+ 31.1	- 34.0
	200	+ 28.0	- 30.9
	500	+ 25.9	- 28.8
ZONE 5[4] (WALL CORNERS)	10	+ 34.7	- 46.5
	50	+ 31.1	- 39.2
	200	+ 28.0	- 33.0
	500	+ 25.9	- 28.8

NOTES:
1. + POSITIVE PRESSURE, ACTING TOWARDS THE BUILDING SURFACE
2. - NEGATIVE PRESSURE, ACTING AWAY FROM THE BUILDING SURFACE
3. ZONE 4-TYPICAL WALL SURFACE EXCLUDING EXTERIOR CORNER AREAS
4. ZONE 5-WALL SURFACE AREAS WITHIN 4'-6" OF EXTERIOR BUILDINGS



TYPICAL DIAGONAL BRACING

LINTEL SCHEDULE

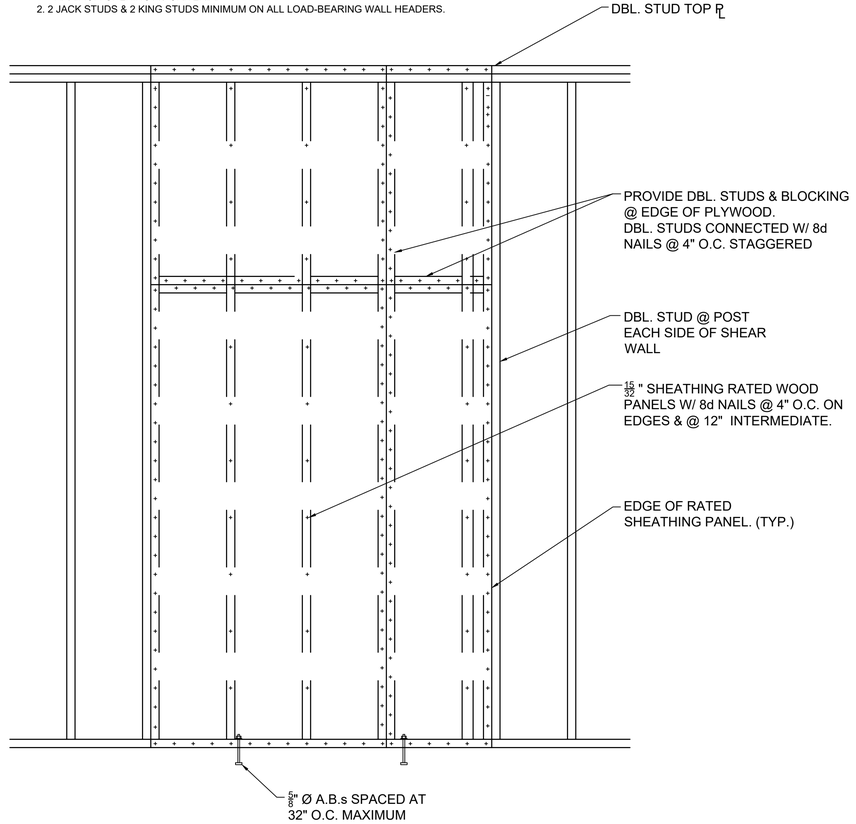
MARK	WALL CONST.	MAX. OPENING	DESCRIPTION	REMARKS
L-1	BRICK VENEER	4'-0"	LOOSE L 4x4x$\frac{1}{4}$	
L-2	BRICK VENEER	8'-0"	LOOSE L 6x4x$\frac{5}{16}$	

NOTES: 1. BEAR LOOSE AND ATTACHED ANGLES 8" MIN. EA. END.
2. WHERE OPENINGS OCCUR AND LINTELS ARE NOT CALLED-OUT CHOOSE FROM SCHEDULE.

HEADER SCHEDULE

MARK	WALL CONST.	MAX. OPENING	DESCRIPTION	REMARKS
H-1	WOOD STUDS	4'-0"	3-2x8s	LOAD BEARING WALL
H-2	WOOD STUDS	8'-0"	3-2x12s	EXTERIOR WALL
H-3	WOOD STUDS	4'-0"	2-2x8s	INTERIOR WALL
H-4	WOOD STUDS	4'-0"	3-2x10s	GIRDER BEARING

NOTES: 1. WHERE OPENINGS OCCUR AND HEADERS ARE NOT CALLED-OUT ON PLANS, SELECT HEADERS FROM ABOVE SCHEDULE USING WALL CONSTRUCTION AND MAXIMUM OPENING AS CRITERIA.
2. 2 JACK STUDS & 2 KING STUDS MINIMUM ON ALL LOAD-BEARING WALL HEADERS.



DETAIL 1/S0.1 NTS — TYPICAL SHEARWALL FRAMING

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Project Date: 03-04-25
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

GENERAL NOTES

ALABAMA LICENSED No. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

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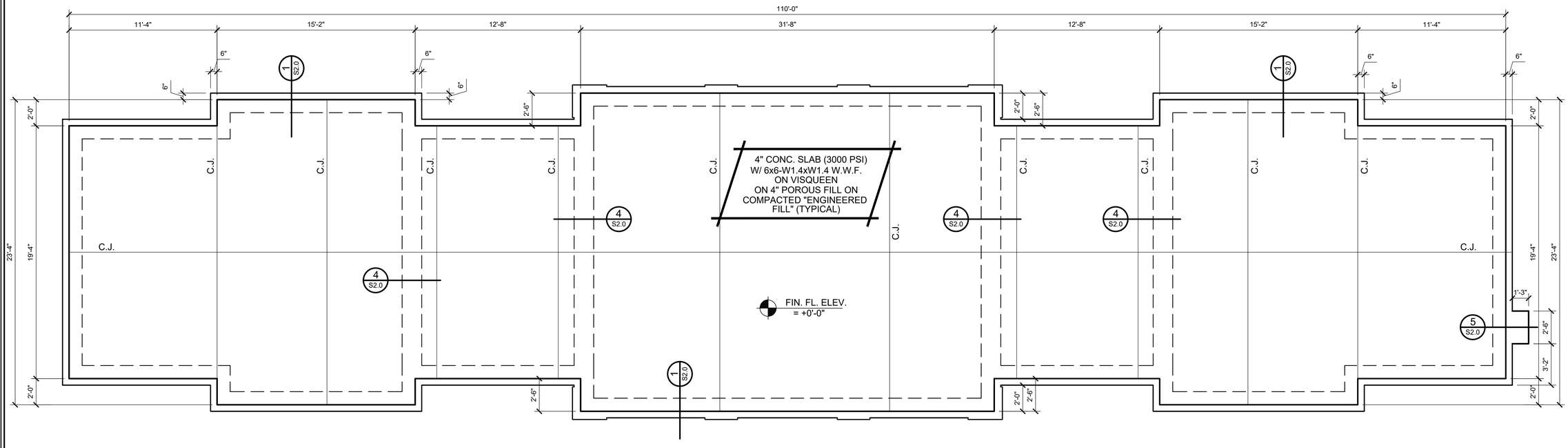
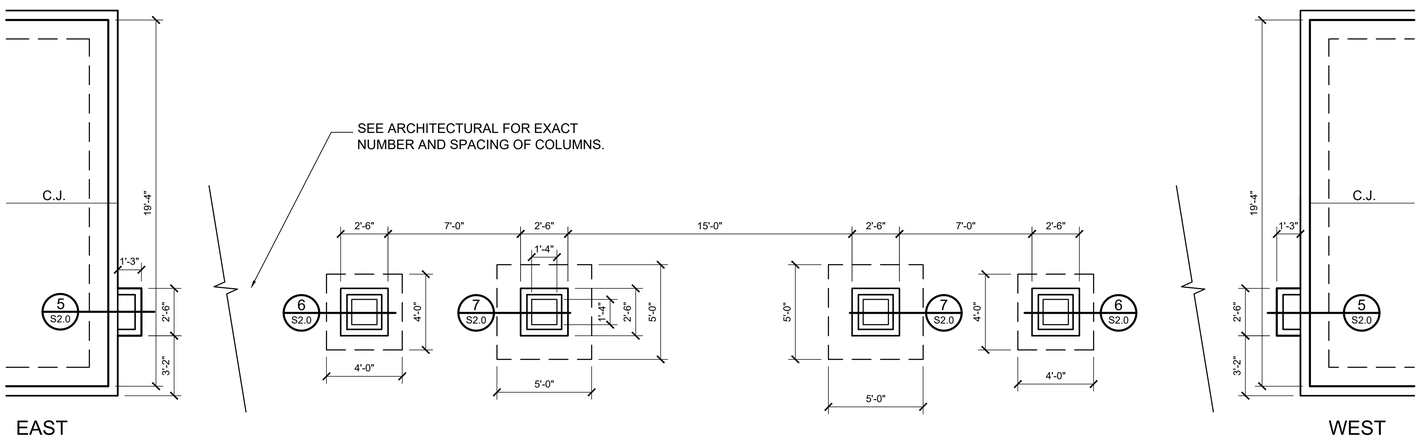
S0.1
Sheet Number



FOUNDATION PLAN

1/4" = 1'-0"

NOTES:
1. SEE SHEET S0.1 FOR DETAILS & NOTES.
2. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.



GATE FOUNDATION PLAN

1/4" = 1'-0"

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EAST & GATE
FOUNDATION PLAN

ALABAMA
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REBECCA ANN SEALS

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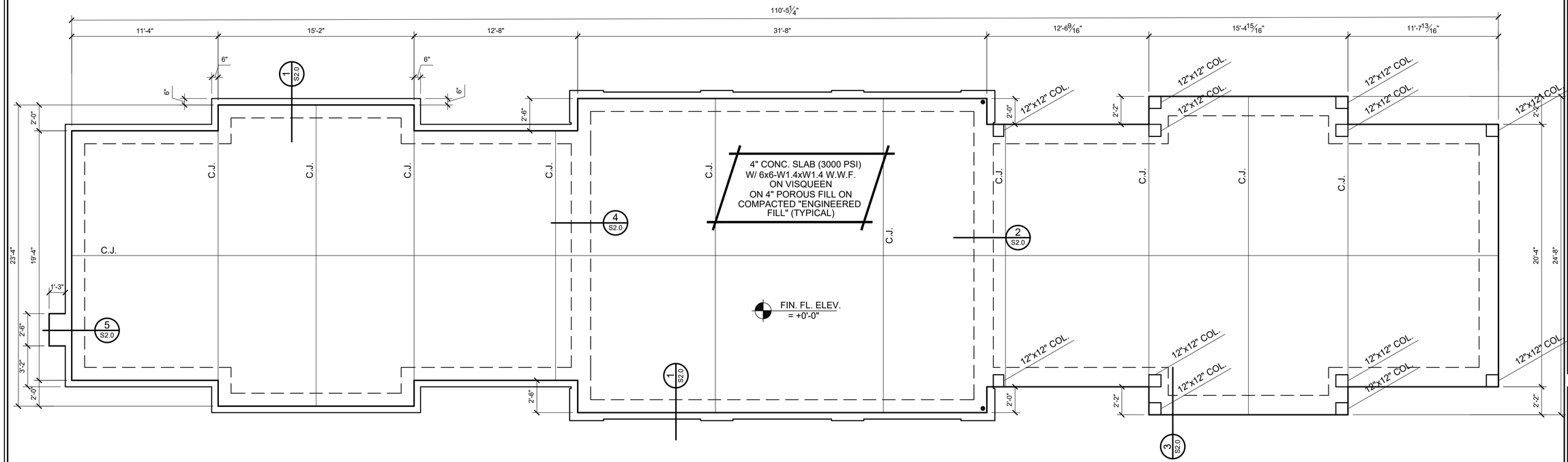

FOUNDATION PLAN

1/4" = 1'-0"

NOTES:
1. SEE SHEET S0.1 FOR DETAILS & NOTES.
2. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.

● - FND. HOLD-DOWN : HDU2-SDS2.5

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WEST
FOUNDATION PLAN

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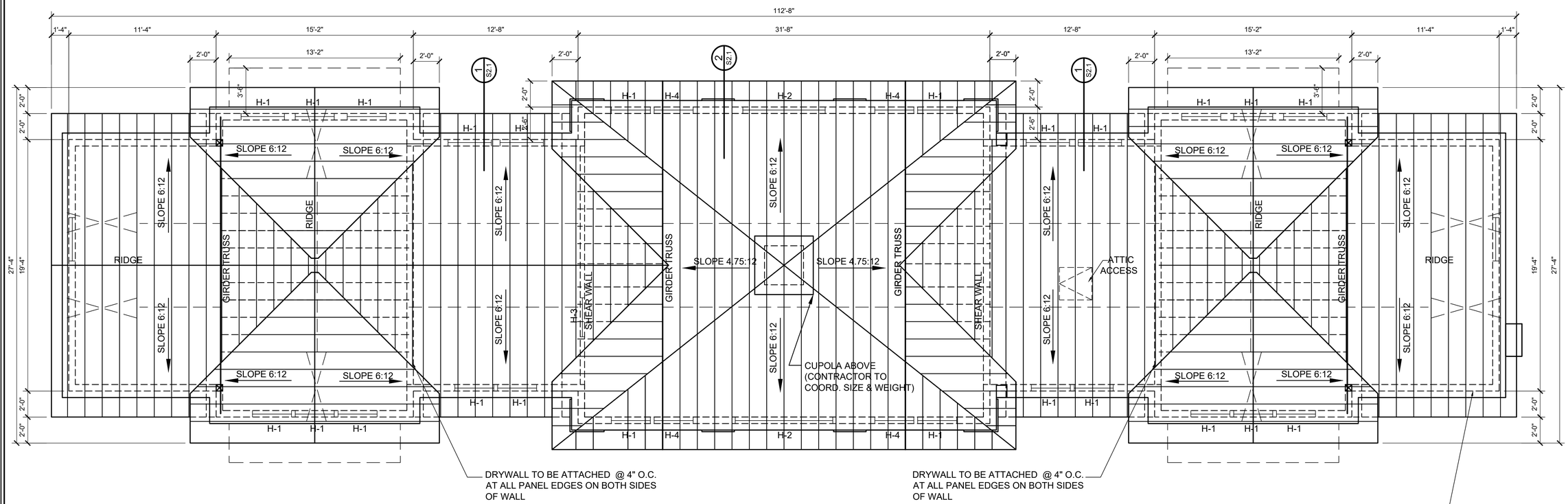
S1.01

Sheet Number



DRYWALL TO BE ATTACHED @ 4" O.C. AT ALL PANEL EDGES ON BOTH SIDES OF WALL

DRYWALL TO BE ATTACHED @ 4" O.C. AT ALL PANEL EDGES ON BOTH SIDES OF WALL

ROOF FRAMING PLAN

1/4" = 1'-0"

☒ - 3 - 2x STUD PKG (U.N.O.)

THE EXTERIOR FACE OF ALL EXTERIOR STUD WALLS AND ONE SIDE OF NOTED SHEAR WALLS SHALL BE SHEATHED WITH 1/2 INCH SHEATHING RATED WOOD STRUCTURAL PANELS AND NAILED WITH 8d NAILS AT 4" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS/STUDS. PROVIDE BLOCKING AT PANEL EDGES.

NOTES:

1. PRE-ENGINEERED WOOD TRUSSES @ 24" O.C.
2. LOW TRUSS BEARING ELEVATION = +10'-0" AFF
3. HIGH TRUSS BEARING ELEVATION = +10'-6" AFF
4. TRUSSES SHALL HAVE BOTTOM CHORD BRACING @ 8'-0" O.C.
5. TRUSSES SHALL HAVE DIAGONAL BRACING FOR 8'-0" MINIMUM FROM GABLE END U.N.O.
6. EACH TRUSS SHALL HAVE 500 LB CAPACITY HURRICANE TIE OR EQUIV. AT EACH BEARING.
7. ALL CONNECTIONS NOT NOTED SHALL MEET MINIMUM INTERNATIONAL BUILDING CODE REQUIREMENTS.
8. ROOF SHALL BE SHEATHED WITH $\frac{7}{8}$" STRUCTURAL WOOD SHEATHING MINIMUM.
9. SEE SHEET S0.1 FOR NOTES & DETAILS.
10. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.
11. EXTERIOR AND LOAD-BRNG WALLS SHALL BE 2x6s @ 16" O.C.

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Project #: 22-42

Design By: RAS

Project Date: 03-04-25

Revisions:

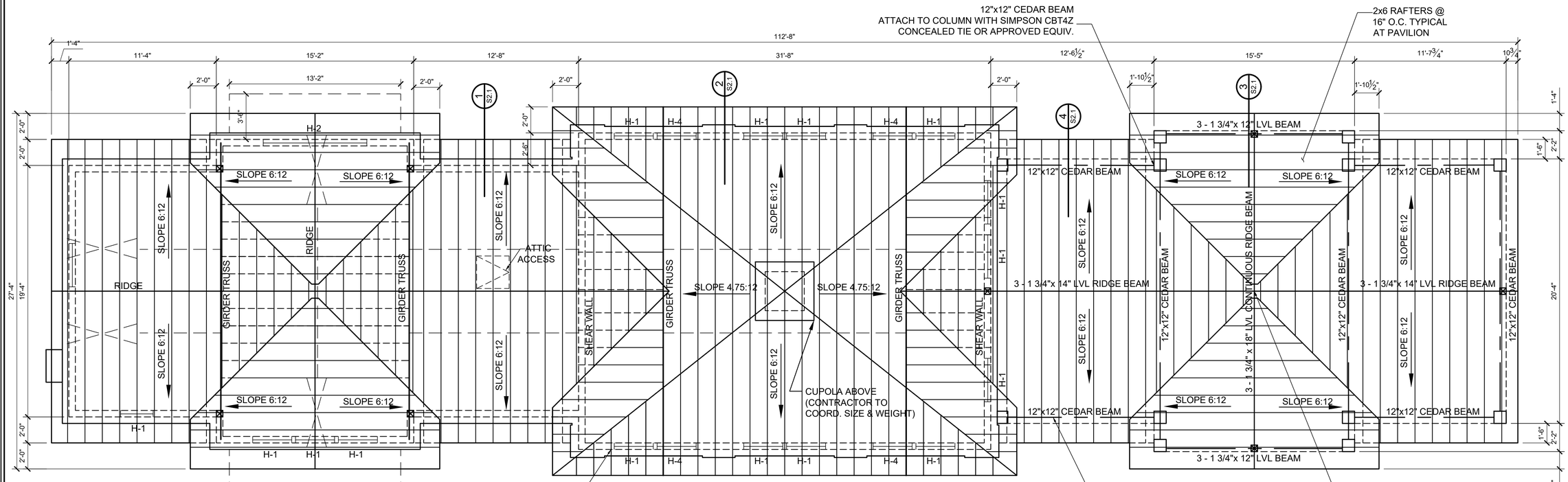
CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

EAST ROOF FRAMING PLAN

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

S1.10

Sheet Number



THE EXTERIOR FACE OF ALL EXTERIOR STUD WALLS AND ONE SIDE OF NOTED SHEAR WALLS SHALL BE SHEATHED WITH 1/2 INCH SHEATHING RATED WOOD STRUCTURAL PANELS AND NAILED WITH 8d NAILS AT 4" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS/STUDS. PROVIDE BLOCKING AT PANEL EDGES.

ROOF FRAMING PLAN

1/4" = 1'-0"

⊠ - 3 - 2x STUD PKG (U.N.O.)

NOTES:

1. PRE-ENGINEERED WOOD TRUSSES @ 24" O.C.
2. LOW TRUSS BEARING ELEVATION = +10'-0" AFF
3. HIGH TRUSS BEARING ELEVATION = +10'-6" AFF
4. TRUSSES SHALL HAVE BOTTOM CHORD BRACING @ 8'-0" O.C.
5. TRUSSES SHALL HAVE DIAGONAL BRACING FOR 8'-0" MINIMUM FROM GABLE END U.N.O.
6. EACH TRUSS SHALL HAVE 500 LB CAPACITY HURRICANE TIE OR EQUIV. AT EACH BEARING.
7. ALL CONNECTIONS NOT NOTED SHALL MEET MINIMUM INTERNATIONAL BUILDING CODE REQUIREMENTS.
8. ROOF SHALL BE SHEATHED WITH 5/8" STRUCTURAL WOOD SHEATHING MINIMUM.
9. SEE SHEET S0.1 FOR NOTES & DETAILS.
10. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.
11. EXTERIOR AND LOAD-BRNG WALLS SHALL BE 2x6s @ 16" O.C.

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Project Date: 03-04-25

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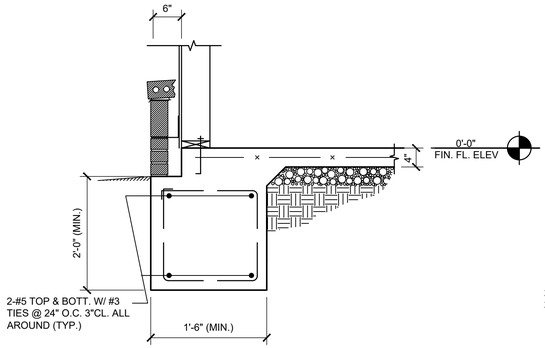
WEST ROOF FRAMING PLAN

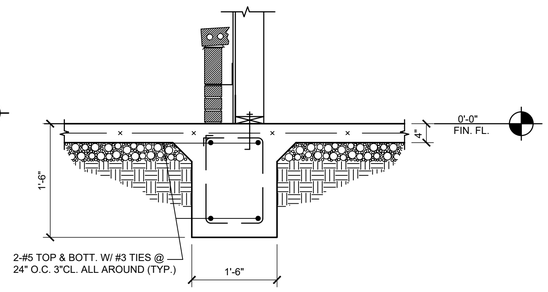
ALABAMA LICENSED PROFESSIONAL ENGINEER
NO. 29633
REBECCA ANN SEALS

S1.11

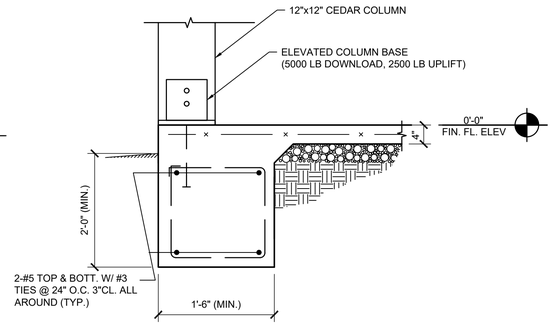
Sheet Number



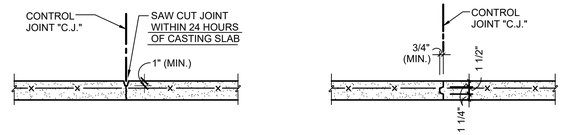
SECTION 1 S2.0 — TYP. EXTERIOR FOOTING
3/4"=1'-0"



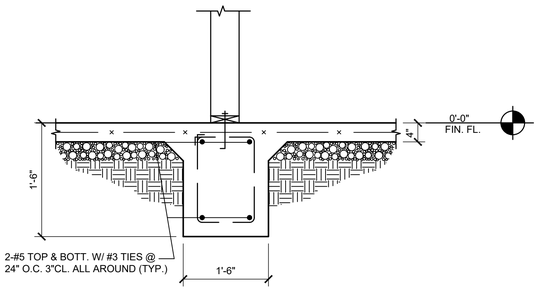
SECTION 2 S2.0 — TYP. INTERIOR FOOTING
3/4"=1'-0"



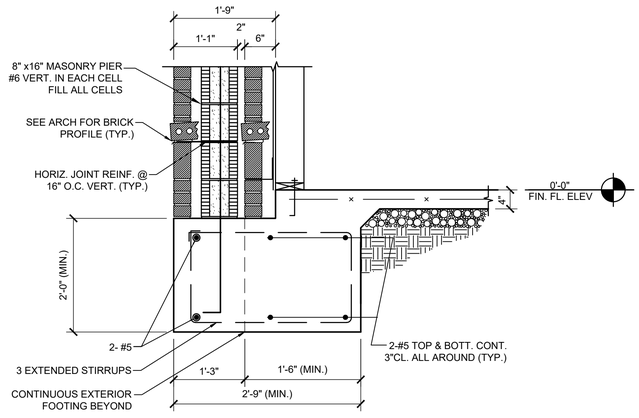
SECTION 3 S2.0 — TYP. COLUMN FOOTING
3/4"=1'-0"



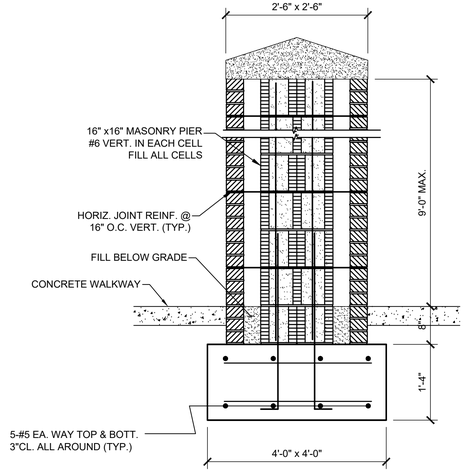
DETAIL N.T.S. — A S2.0 — ALTERNATE CONTROL JOINT DETAILS



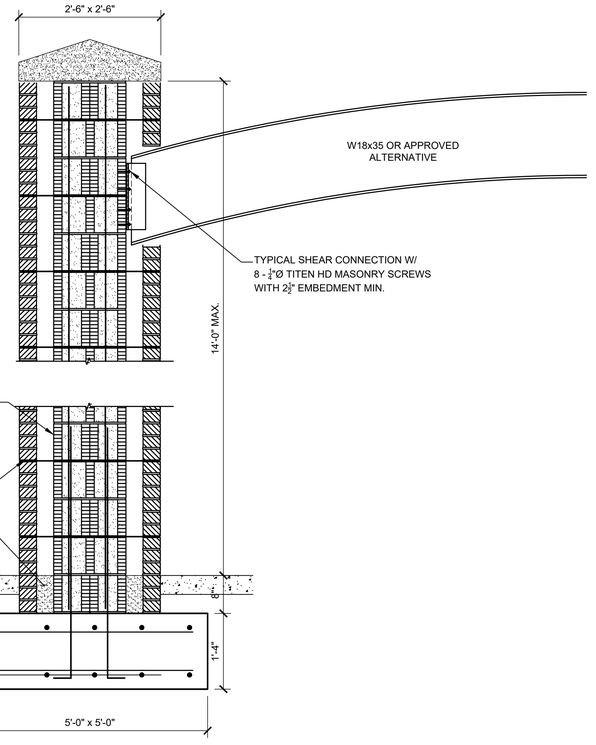
SECTION 4 S2.0 — TYP. INTERIOR FOOTING
3/4"=1'-0"



SECTION 5 S2.0 — EXTERIOR FTG @ ENTRANCE GATE
3/4"=1'-0"



DETAIL 6 S1.0 — 9'-0" COLUMN FOUNDATION
3/4"=1'-0"



DETAIL 7 S1.0 — 14'-0" COLUMN FOUNDATION
3/4"=1'-0"

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Revisions:

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STRUCTURAL DETAILS

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

S2.0
Sheet Number

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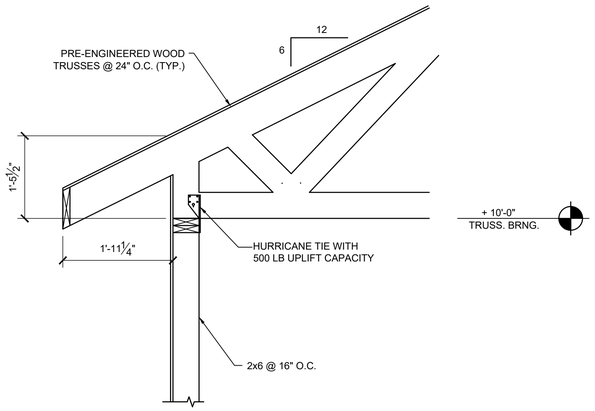
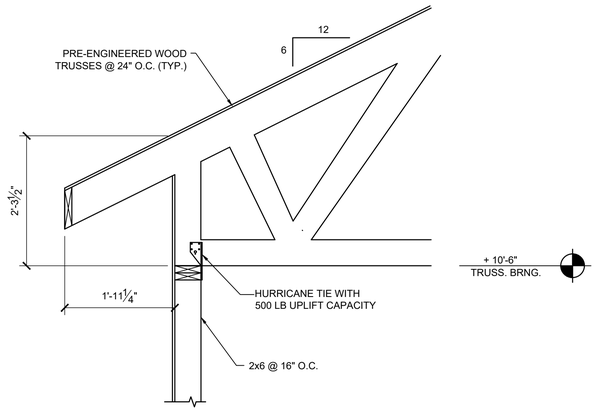
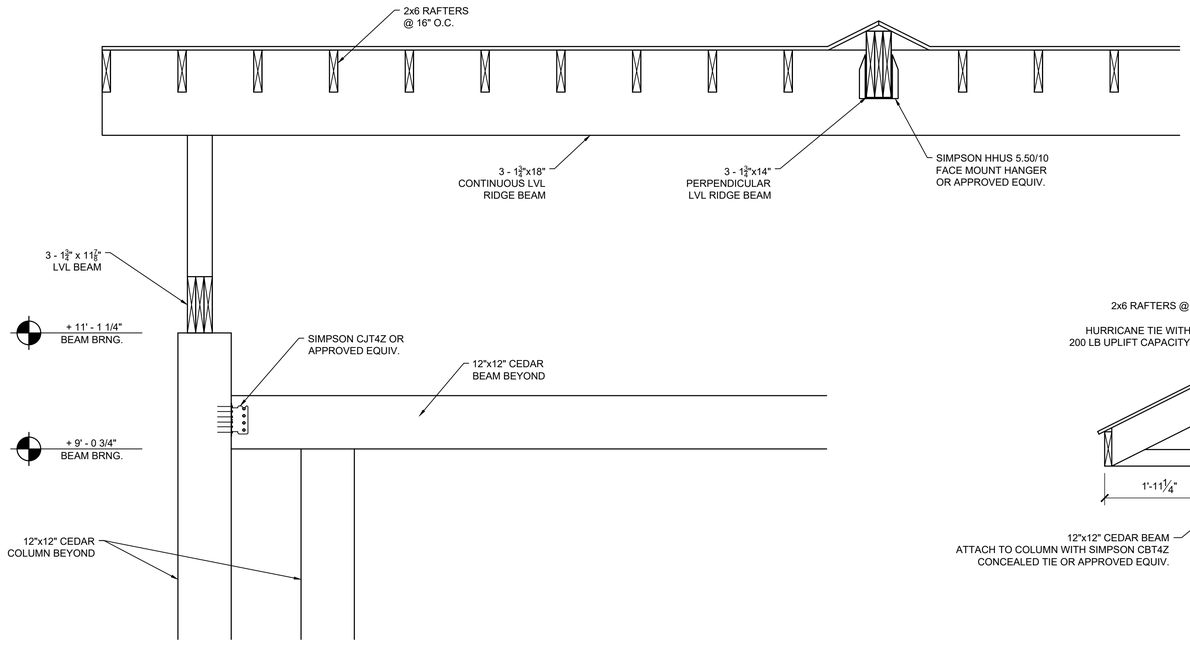


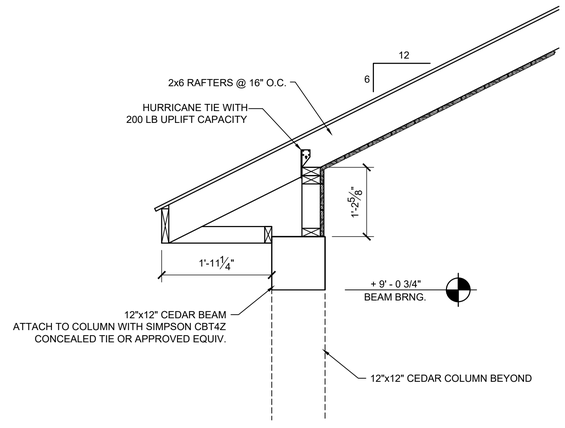
SECTION 1 S2.1 — TYPICAL LOW TRUSS BEARING
3/4"=1'-0"



SECTION 2 S2.1 — TYPICAL HIGH TRUSS BEARING
3/4"=1'-0"



SECTION 3 S2.1 — TYP. TRUSS BEARING
3/4"=1'-0"



SECTION 4 S2.1 — RAFTER BEAM BEARING
3/4"=1'-0"

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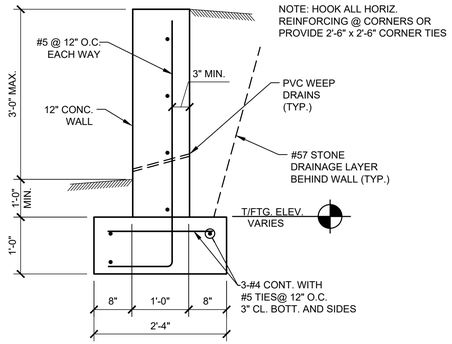
CRENSHAW COUNTY, AL

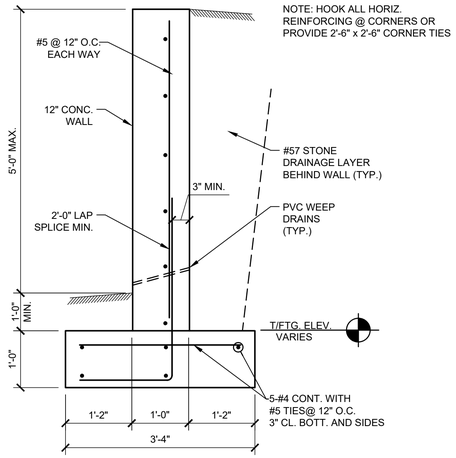
STRUCTURAL DETAILS

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

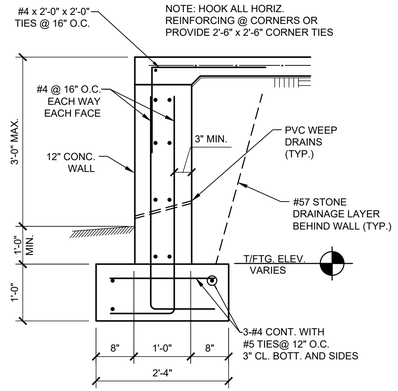
S2.1
Sheet Number



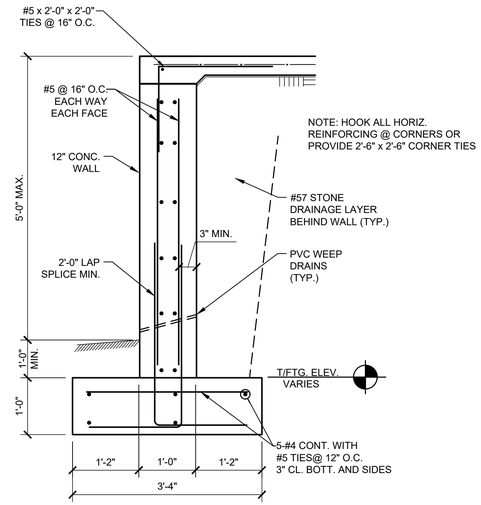
SECTION 1 S2.2 — 3'-0" MAX UNRESTRAINED RETAINING WALL
3/4"=1'-0"



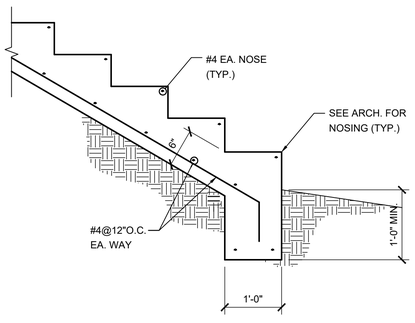
SECTION 2 S2.2 — 5'-0" MAX UNRESTRAINED RETAINING WALL
3/4"=1'-0"



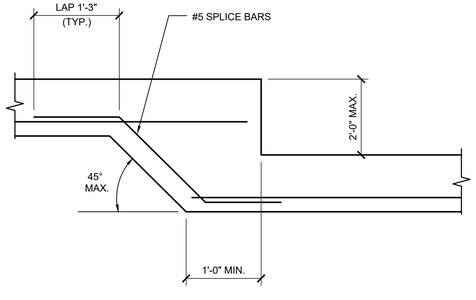
SECTION 3 S2.2 — 3'-0" MAX RESTRAINED RETAINING WALL
3/4"=1'-0"



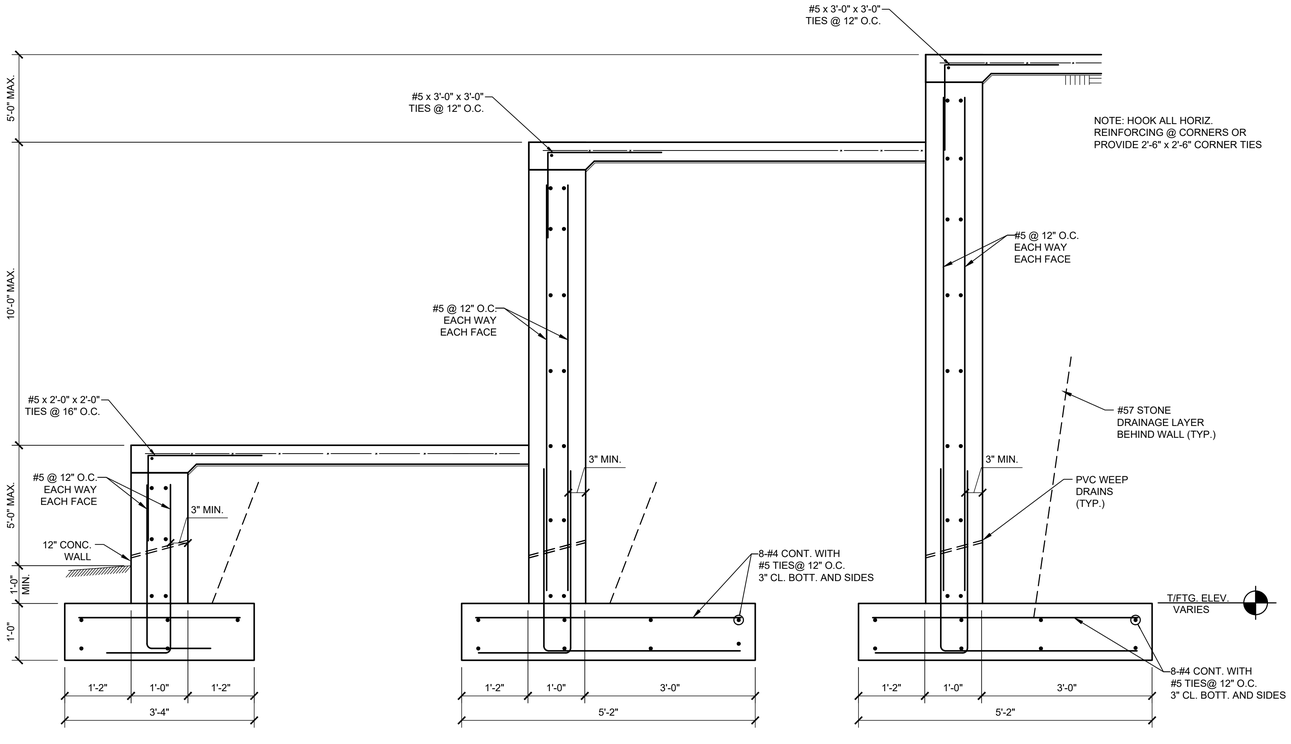
SECTION 4 S2.2 — 5'-0" MAX RESTRAINED RETAINING WALL
3/4"=1'-0"



DETAIL A S2.2 — TYP. POURED CONC. STAIRS
3/4"=1'-0"



DETAIL B S2.2 — FOOTING STEP
N.T.S.



SECTION 5 S2.2 — 10'-0" MAX RAMP RETAINING WALL
3/4"=1'-0"

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RETAINING WALL DETAILS

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEARS

S2.2
Sheet Number

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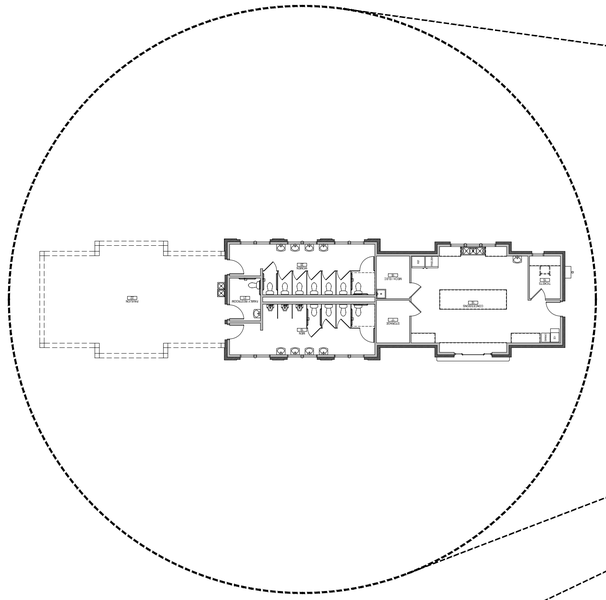
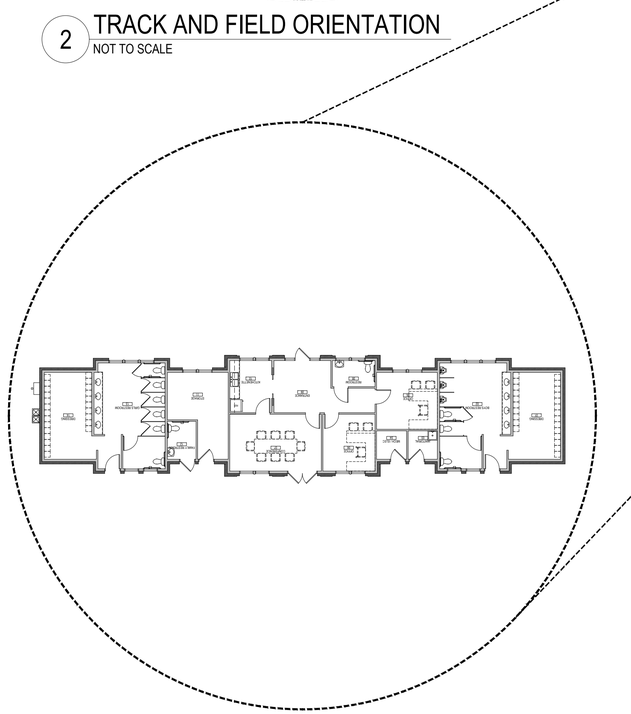
SITE PLAN GENERAL NOTES

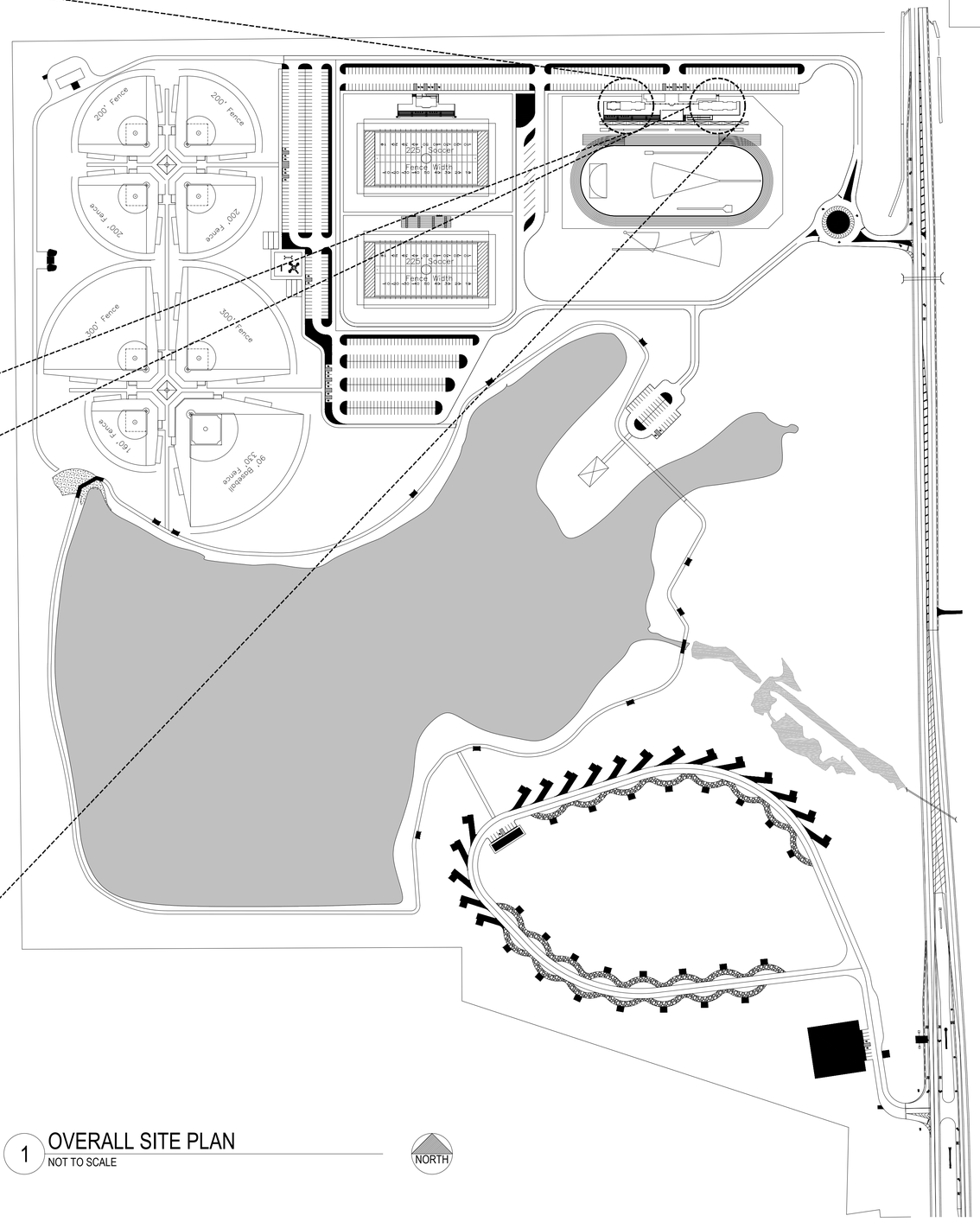
SITE PLAN SHOWS THE GENERAL LOCATION AND ORIENTATION OF THE BUILDINGS. SEE CIVIL DRAWINGS FOR MORE DETAILS, INCLUDING FINISH FLOOR ELEVATION, LANDSCAPING, GRADING, CONNECTION TO UTILITIES, RETAINING WALLS, ETC. SEE STRUCTURAL FOR DETAILS OF RETAINING WALLS. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.



2 TRACK AND FIELD ORIENTATION
NOT TO SCALE



3 TRACK AND FIELD ORIENTATION
NOT TO SCALE



1 OVERALL SITE PLAN
NOT TO SCALE

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Project #:
22-42

Design By:
JBP, DJB, & JHF

Project Date:
10-25-24

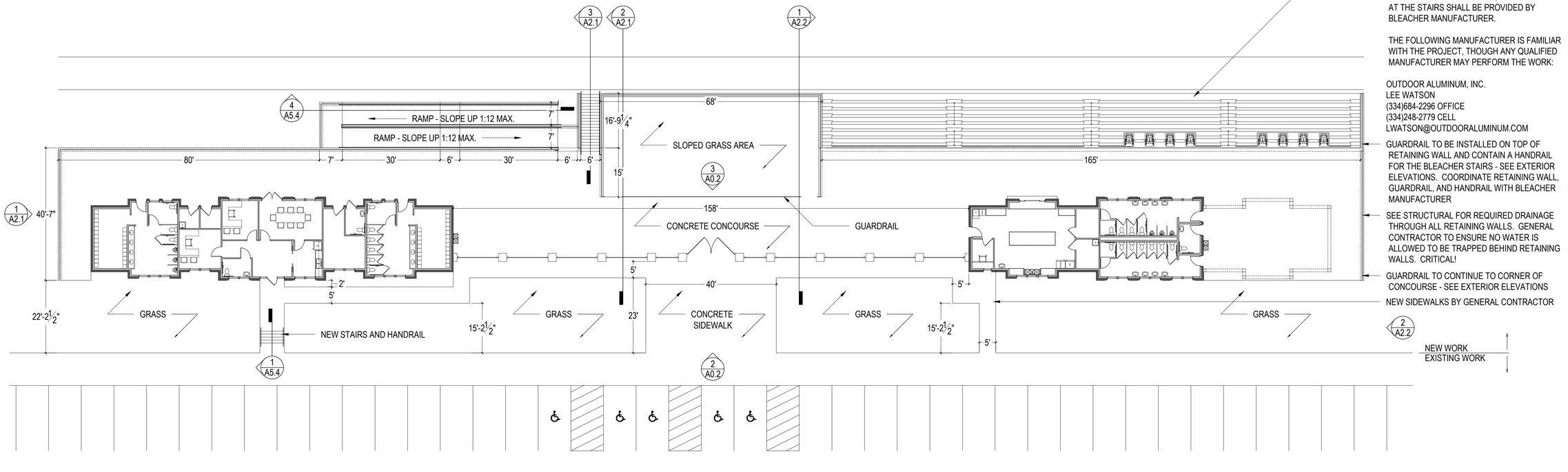
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

ARCHITECTURAL SITE PLAN

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

A0.1
Sheet Number



PRE-FABRICATED ALUMINUM BLEACHERS - SEE SPECIFICATIONS. BLEACHER MANUFACTURER TO DESIGN, ENGINEER, AND INSTALL THE FOUNDATIONS AND A COMPLETE BLEACHERS SYSTEM. FALL PROTECTION AND GUARDS ALONG THE FRONT OF THE BLEACHERS, GUARDRAILS AT THE STAIRS, AND HANDRAILS AT THE STAIRS SHALL BE PROVIDED BY BLEACHER MANUFACTURER.

THE FOLLOWING MANUFACTURER IS FAMILIAR WITH THE PROJECT, THOUGH ANY QUALIFIED MANUFACTURER MAY PERFORM THE WORK:

OUTDOOR ALUMINUM, INC.
LEE WATSON
(334)684-2296 OFFICE
(334)248-2779 CELL
LWATSON@OUTDOORALUMINUM.COM

GUARDRAIL TO BE INSTALLED ON TOP OF RETAINING WALL AND CONTAIN A HANDRAIL FOR THE BLEACHER STAIRS - SEE EXTERIOR ELEVATIONS. COORDINATE RETAINING WALL, GUARDRAIL, AND HANDRAIL WITH BLEACHER MANUFACTURER

SEE STRUCTURAL FOR REQUIRED DRAINAGE THROUGH ALL RETAINING WALLS. GENERAL CONTRACTOR TO ENSURE NO WATER IS ALLOWED TO BE TRAPPED BEHIND RETAINING WALLS. CRITICAL!

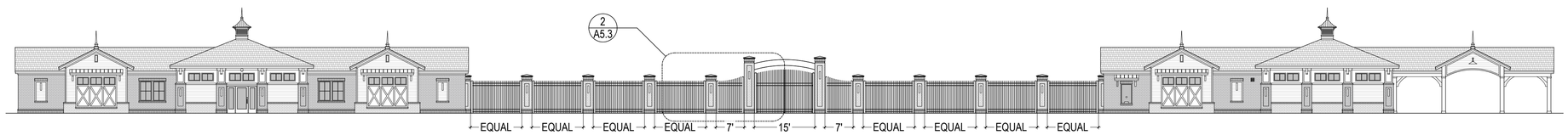
GUARDRAIL TO CONTINUE TO CORNER OF CONCOURSE - SEE EXTERIOR ELEVATIONS

NEW SIDEWALKS BY GENERAL CONTRACTOR

1 COMPOSITE SITE PLAN

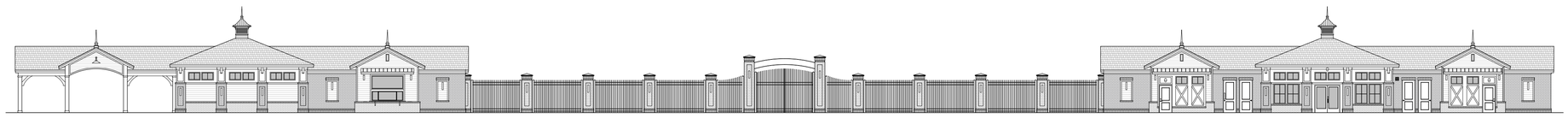
SCALE: 1/16" = 1'-0"

0 5' 10' 20' 30'



2 COMPOSITE ELEVATION

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



3 COMPOSITE ELEVATION

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

SITE PLAN GENERAL NOTES

ARCHITECTURAL SITE PLAN IS DIAGRAMMATIC IN NATURE AND TO BE USED FOR COORDINATION ONLY. SEE CIVIL AND STRUCTURAL FOR MORE INFORMATION REGARDING DIMENSIONS, RETAINING WALLS, AND DETAILS. GENERAL CONTRACTOR TO REQUEST ANY ADDITIONAL INFORMATION NECESSARY TO COMPLETE THE WORK, PRIOR TO SUBMITTING A BID.

GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE SIDEWALKS AND HARDSCAPES AROUND THE BUILDING. ALL FLATWORK TO SLOPE AWAY FROM BUILDING AT A MAXIMUM OF 1:48. AN ACCESSIBLE ROUTE TO BE PROVIDED TO ALL DOORWAYS. FLATWORK TO CREATE A LEVEL LANDING ON BOTH SIDES OF ALL DOORS. ALL DOORWAYS TO BE ADA ACCESSIBLE. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. CRITICAL!

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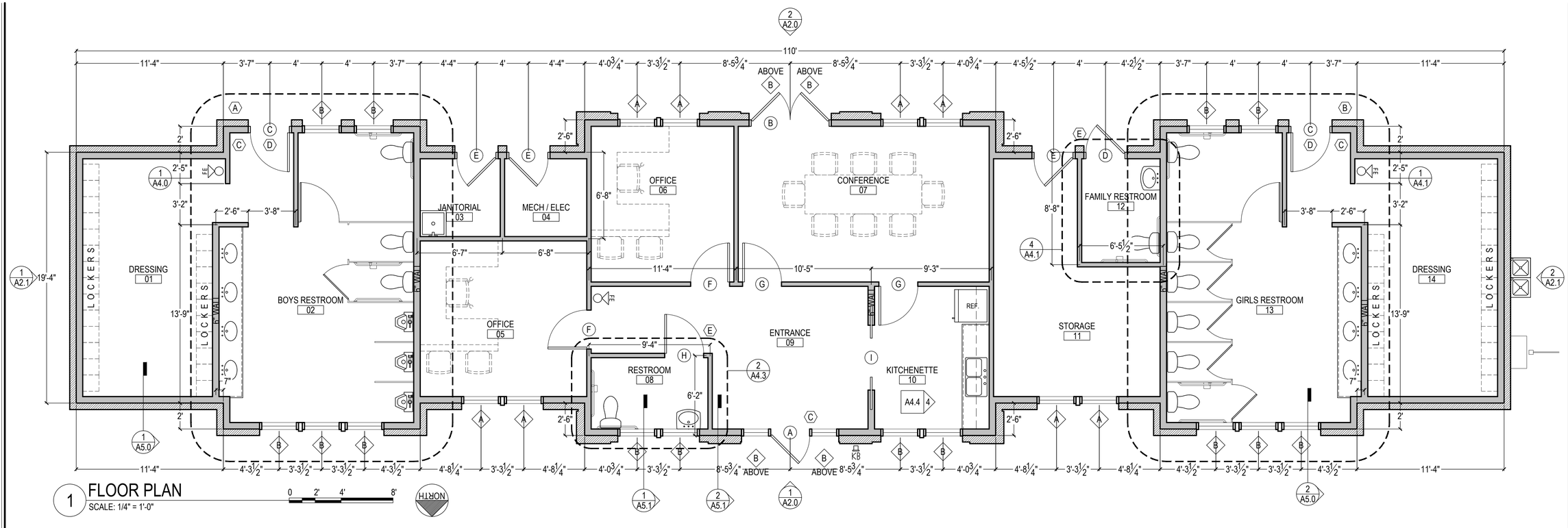
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

TRACK AND FIELD
- COMPOSITE SITE PLAN AND ELEVATIONS -

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

A0.2
Sheet Number



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

0 2' 4' 8'

NORTH

SITE ACCESSIBILITY
GENERAL CONTRACTOR IS RESPONSIBLE FOR CONCRETE SIDEWALKS AND HARDSCAPES AROUND THE BUILDING. ALL FLATWORK TO SLOPE AWAY FROM BUILDING AT A MAXIMUM OF 1:48. AN ACCESSIBLE ROUTE TO BE PROVIDED TO ALL DOORWAYS. FLATWORK TO CREATE A LEVEL LANDING ON BOTH SIDES OF ALL DOORS. ALL DOORWAYS TO BE ADA ACCESSIBLE. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. CRITICAL! SEE SHEET A0.2.

FLOOR PLAN GENERAL NOTES

PRIOR TO CONSTRUCTION, THE OWNER AND/OR GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING PROPER REVIEW AND APPROVAL OF THE DRAWINGS BY ANY AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO ANY BUILDING OFFICIALS. THESE DRAWINGS ARE NOT TO BE CONSTRUED AS AUTHORIZATION NOT TO COMPLY WITH THE BUILDING CODE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE BUILDING CODE.

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

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FLOOR PLAN LEGEND

A — DOOR TAG — SEE SHEET A4.6

A — SIGNAGE TAG — SEE SHEET A4.6

B — WINDOW TAG — SEE SHEET A4.7

LIVING / 01 — NAME / NUMBER — ROOM NAME & NUMBER TAG

1 / A1.1 — DETAIL / SHEET — ELEVATION TAG (SEE SHEET AND DETAIL AS NOTED)

1 / A1.1 — DETAIL / SHEET — SECTION TAG (SEE SHEET AND DETAIL AS NOTED. SECTION MAY BE STEPPED AS NEEDED TO SHOW PARTICULAR DETAILS OF THE BLDG.)

1 / 4 A4.0 2 / 3 — DETAIL / SHEET — INTERIOR ELEVATION TAG (SEE SHEET AND DETAIL AS NOTED)

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SIDE HINGED SWING DOOR (TYPICAL) - DOOR OPENING IS 4" FROM FACE OF STUD OF ADJ., PERPENDICULAR WALL UNLESS DIMENSIONED OTHERWISE OR SHOWN CENTERED.

3' — DIMENSION (TO FACE OF GIRTS / FRAMING AND CENTER OF WINDOW / DOOR UNLESS NOTED OTHERWISE)

16" DEEP COATED WIRE CLOSET SHELVING. WHERE 1 SHELF (1SH) IS NOTED, IT IS TO BE AT 72" AFF. WHERE 2 SHELVES (2SH) ARE NOTED, THEY ARE TO BE 42" & 84" AFF. WHERE 3 SHELVES (3SH) ARE NOTED, THEY ARE TO BE AT 24", 48", AND 72" AFF.

2'X2' FLOOR MOUNTED MOP SINK

ADA STANDING HEIGHT & WHEELCHAIR HEIGHT WATER COOLER, WITH CANE DETECTION

COUNTERTOP
WALL CABINET
BASE CABINET

WINDOW — WINDOW (SEE A4.7)

ADA WALL MOUNTED PORCELAIN HAND WASH SINK

ADA FLOOR MOUNTED PORCELAIN ELONGATED BOWL TOILET (FLUSH CONTROL TO BE LOCATED ON OPEN SIDE) - SEE PLUMBING

GENERAL WALL NOTES

WALLS

WOOD FRAMED WALL NOTES:

1. EXTERIOR WALLS ARE TO BE 2x6 WOOD STUD FRAMED WITH R-20 BATT INSULATION AND 5/8" GYPSUM BOARD ON INTERIOR SIDE, EXCEPT WHERE IDENTIFIED OTHERWISE.
2. INTERIOR WALLS ARE TO BE 2x4 WOOD STUD FRAMED WITH 5/8" GYPSUM BOARD ON BOTH SIDES, EXCEPT WHERE IDENTIFIED OTHERWISE. WALL CAVITY BETWEEN INTERIOR WALLS TO BE FILLED WITH MIN. R-13 BATT INSULATION UNLESS NOTED OTHERWISE.
3. PROVIDE 2X BLOCKING IN WALLS TO SUPPORT WALL MOUNTED ITEMS AND ASSOCIATED LIVE LOADS INCLUDING BUT NOT LIMITED TO WALL CABINETS AND CLOSET SHELVING. ITEMS ARE NOT TO BE SECURED IN GYPSUM BOARD ALONE.
4. GYPSUM BOARD IS TO BE FINISHED TO LEVEL 4.
5. SEAL ALL PENETRATIONS OF EXTERIOR WALL STRUCTURAL SHEATHING AND GYPSUM BOARD. SEALING PRODUCT CAN BE OF ANY MATERIAL FOR COMMERCIAL USE & ACCEPTABLE TO AHJ INCLUDING CAULK AND SPRAY FOAM.
6. ANY WOOD FRAMING IN DIRECT CONTACT WITH CONCRETE, MASONRY, OR EARTH IS TO BE PRESSURE TREATED.

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- TRACK AND FIELD -
CRENSHAW COUNTY, AL

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7002
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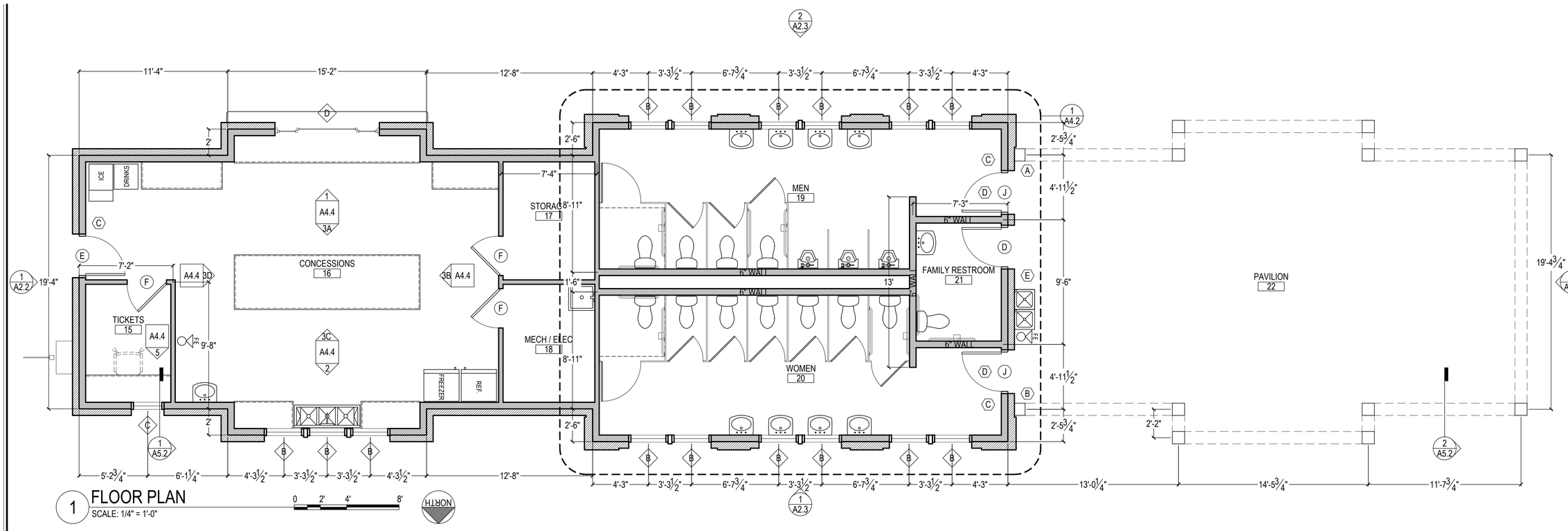
A1.1
Sheet Number



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

0 2' 4' 8'

NORTH

SITE ACCESSIBILITY
GENERAL CONTRACTOR IS RESPONSIBLE FOR CONCRETE SIDEWALKS AND HARDSCAPES AROUND THE BUILDING. ALL FLATWORK TO SLOPE AWAY FROM BUILDING AT A MAXIMUM OF 1:48. AN ACCESSIBLE ROUTE TO BE PROVIDED TO ALL DOORWAYS. FLATWORK TO CREATE A LEVEL LANDING ON BOTH SIDES OF ALL DOORS. ALL DOORWAYS TO BE ADA ACCESSIBLE. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING. CRITICAL! SEE SHEET A0.2.

FLOOR PLAN GENERAL NOTES

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TRACK AND FIELD
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REGISTERED ARCHITECT
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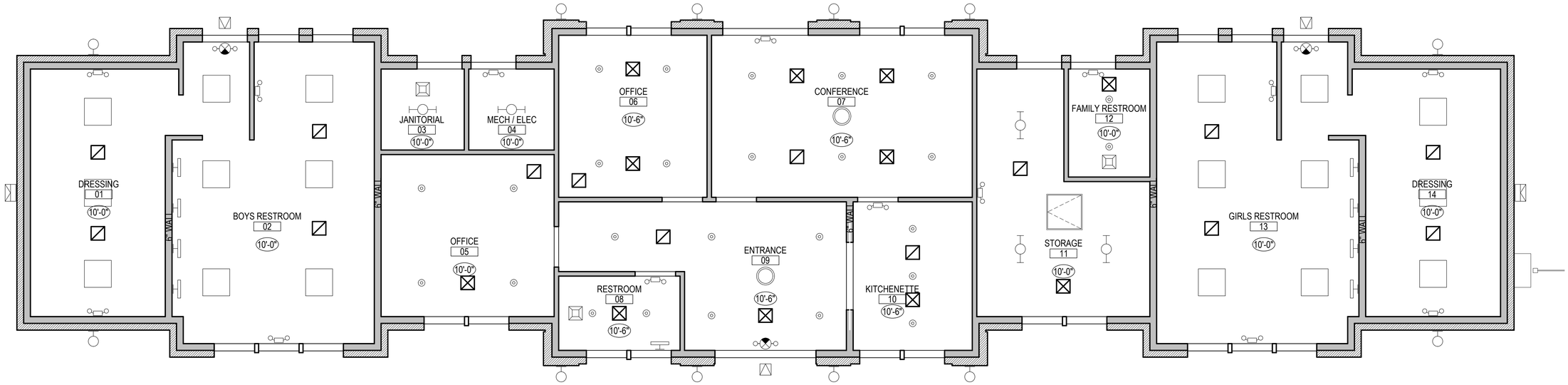
A1.2
Sheet Number



1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

NORTH

REFLECTED CEILING PLAN LEGEND

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

- SURFACE MOUNTED STRIP LED FIXTURE
- RECESSED LED CAN LIGHT
- EXTERIOR WALL SCONCE
- VANITY LIGHT FIXTURE (CENTER ABOVE MIRROR)
- INDOOR BATHROOM EXHAUST FAN
- OUTDOOR LED WALL PACK
- INDOOR EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP. SEE LIFE SAFETY PLAN. WALL MOUNT CENTERED ABOVE DOOR, U.N.O.
- INDOOR INTERNALLY LIT EXIT SIGN WITH EMERGENCY LIGHTS AND 90 MINUTE BATTERY BACKUP (FACE ILLUMINATION AND DIRECTIONAL ARROWS AS SHOWN) WALL MOUNT CENTERED ABOVE DOOR, U.N.O. SEE LIFE SAFETY PLAN.
- HANGING CEILING FIXTURE (INSTALL WITH BOTTOM AT 8'-0" A.F.F.)
- 2' x 2' RECESSED LED FIXTURE
- OUTDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE SPECIFICATION IN ELECTRICAL DRAWINGS
- HVAC CEILING SUPPLY REGISTER (SEE MECHANICAL)
- HVAC CEILING RETURN REGISTER (SEE MECHANICAL)
- X'-X" — CEILING HEIGHT TAG MEASURED FROM FINISH FLOOR TO BOTTOM OF FINISH CEILING. WHERE "MAX" IS SPECIFIED, THE CEILING TO BE INSTALLED THE MAXIMUM HEIGHT POSSIBLE, ACCOUNTING FOR ALL ABOVE CEILING EQUIP.
- 2'-3" — CEILING DIMENSION MEASURED TO CENTER OF FIXTURE AND/OR EDGE OF FINISH CEILING
- HINGED ATTIC ACCESS PANEL - SEE SHEET A4.5

GENERAL NOTES

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

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A1.3
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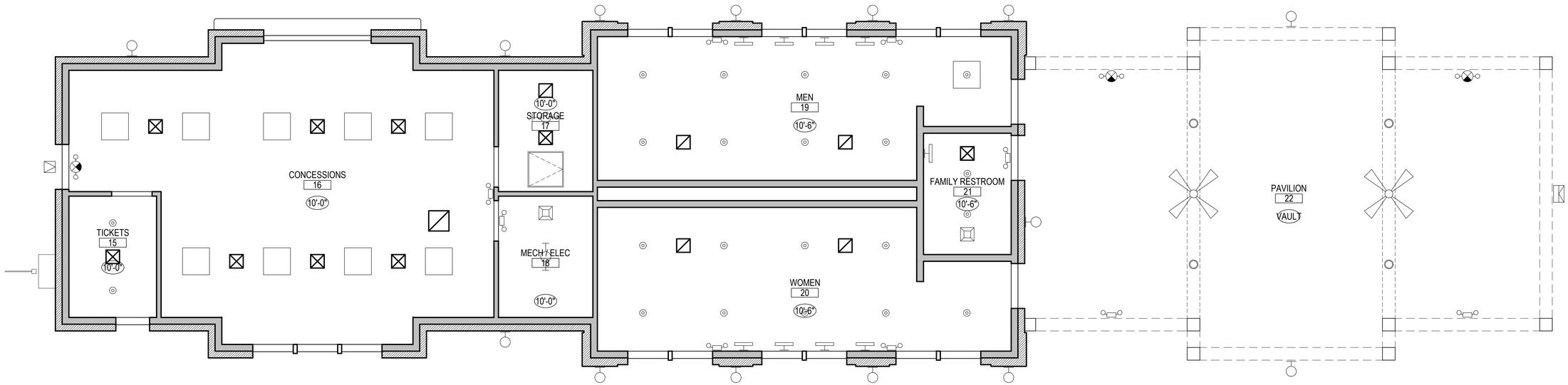

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- SURFACE MOUNTED LIGHT FIXTURE
- 2' x 2' RECESSED LED FIXTURE
- OUTDOOR EMERGENCY EXIT LIGHT WITH BATTERY BACK-UP: SEE SPECIFICATION IN ELECTRICAL DRAWINGS
- HVAC CEILING SUPPLY REGISTER (SEE MECHANICAL)
- HVAC CEILING RETURN REGISTER (SEE MECHANICAL)
- (X'-X") CEILING HEIGHT TAG MEASURED FROM FINISH FLOOR TO BOTTOM OF FINISH CEILING. WHERE "MAX" IS SPECIFIED, THE CEILING TO BE INSTALLED THE MAXIMUM HEIGHT POSSIBLE, ACCOUNTING FOR ALL ABOVE CEILING EQUIP.
- 2'-3" CEILING DIMENSION MEASURED TO CENTER OF FIXTURE AND/OR EDGE OF FINISH CEILING
- HINGED ATTIC ACCESS PANEL - SEE SHEET A4.5
- CEILING FAN - USE OUTDOOR RATED FANS AT ALL EXTERIOR LOCATIONS. HEIGHT TO BE DETERMINED

GENERAL NOTES

1. LOCATE GYPSUM BOARD CEILING MOUNTED FIXTURES AS SHOWN AND/OR DIMENSIONED.
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A1.4
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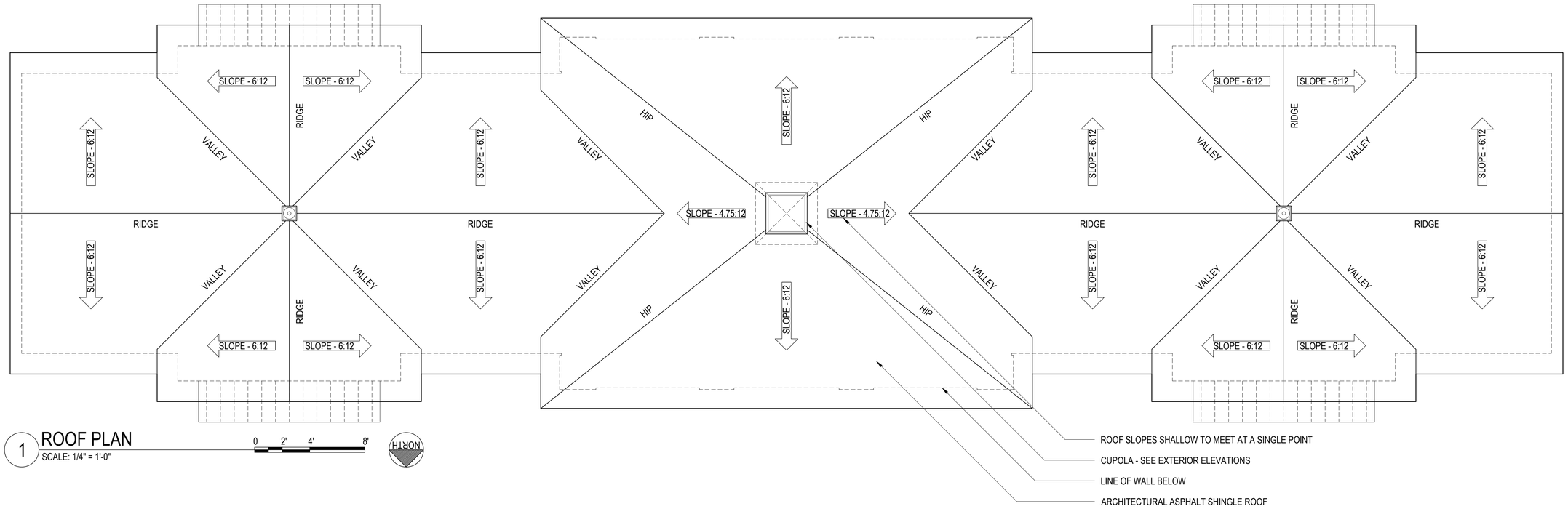

1 ROOF PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

NORTH

ROOF PLAN LEGEND & GENERAL NOTES

ARCHITECTURAL ASPHALT SHINGLES TO BE INSTALLED THROUGHOUT THE BODY OF THE ROOF, WITH PRE-FINISHED 24 GAUGE STANDING SEAM METAL ROOFS BEING INSTALLED AT AWNING ROOFS. STANDING SEAM METAL ROOF TO UTILIZE A 1-1/2" DOUBLE LOCK PROFILE, WITH FLAT STRIATIONS BETWEEN THE RIBS. INSTALL ALL ROOFING PER MFG. INSTRUCTIONS INCLUDING UNDERLAYMENT, ROOF PENETRATIONS, AND FLASHING.

AT ALL ASPHALT SHINGLE ROOFS, INSTALL NEW SELF-ADHERED (ICE & WATER SHIELD) UNDERLAYMENT AT ALL VALLEYS, HIPS, RIDGES, RAKES, EAVES, CHANGES IN ROOF PITCHES, ETC. THROUGHOUT THE ROOF AREA. INSTALL SYNTHETIC FELT UNDERLAYMENT THROUGHOUT FIELD OF ROOF AREAS NOT COVERED BY THE SELF-ADHERED UNDERLAYMENT. AT ALL STANDING SEAM METAL ROOFS, INSTALL HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

ALL ROOF PENETRATIONS ARE TO BE FLANGED. PAINT ANY ROOF PENETRATIONS (I.E. PLUMBING VENT PIPES, ETC.) TO MATCH COLOR OF ROOF. INSTALL NEW 24 GAUGE PRE-FINISHED KYLAR EAVE TRIM AT ALL ROOF PERIMETERS, RAKES, ETC. THROUGHOUT THE ROOF.

IN ADDITION, GENERAL CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL ROOF CONSULTANT, COST FOR SUCH SHALL BE INCLUDED AS A PART OF HIS BID, TO OVERSEE AND INSPECT THE ROOF WORK. THE CONSULTANT MUST HOLD A TITLE OF REGISTERED ROOF OBSERVER (RRO) OR HIGHER THROUGH THE INTERNATIONAL INSTITUTE OF BUILDING ENCLOSURE CONSULTANTS (IIBEC) AND PROVIDE EVIDENCE OF ADEQUATE WORKERS COMPENSATION, GENERAL LIABILITY, AND ERROR & OMISSIONS INSURANCE UPON REQUEST.

THE CONSULTANT MUST PERFORM NO LESS THAN THREE (3) INSPECTIONS DURING THE INSTALLATION OF THE NEW ROOF SYSTEM(S) (1 - START UP INSPECTION; 2 - INTERIM INSPECTION; 3 - FINAL INSPECTION). THE CONSULTANT MUST DOCUMENT ALL SITE VISITS WITH PHOTOGRAPHS AND WRITTEN REPORTS. ALL REPORTS SHALL BE FORWARDED TO THE ARCHITECT WITH DOCUMENTATION OF THE JOB PROGRESS AND ANY DEFICIENCIES NOTED DURING THE INSPECTIONS. UPON COMPLETION OF ALL PUNCH LIST ITEMS, THE CONSULTANT SHALL PROVIDE A LETTER OF ROOF COMPLETION ADVISING THE NEW ROOF SYSTEM HAS BEEN INSTALLED PER THE ROOFING MANUFACTURER'S REQUIREMENTS AND THE CONTRACT DOCUMENTS TO RECEIVE THE SPECIFIED WARRANTY(S).

PREVIOUSLY, THE ARCHITECT HAS WORKED WITH THE FOLLOWING ROOF CONSULTANT, THOUGH THE GENERAL CONTRACTOR MAY SELECT ANY QUALIFIED ROOF CONSULTANT AS DESIRED.

ROOF ASSET MANAGEMENT, INC.
DAVID LEE
MILLBROOK, AL 36054
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*** GENERAL CONTRACTOR TO PROVIDE A MINIMUM 40 YEAR MANUFACTURER'S WARRANTY FOR THE ROOF AND A 3 YEAR MINIMUM WORKMANSHIP WARRANTY ON THE ROOF INSTALLATION. DISCUSS ADDITIONAL WARRANTY OPTIONS WITH OWNER PRIOR TO PROCEEDING WITH WORK. ***

SLOPE - 6:12 ROOF SLOPE DIRECTION AND PITCH INDICATOR

DETAILS:
SEE SHEET A6.2 FOR SHINGLE ROOF DETAILS.

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A1.5
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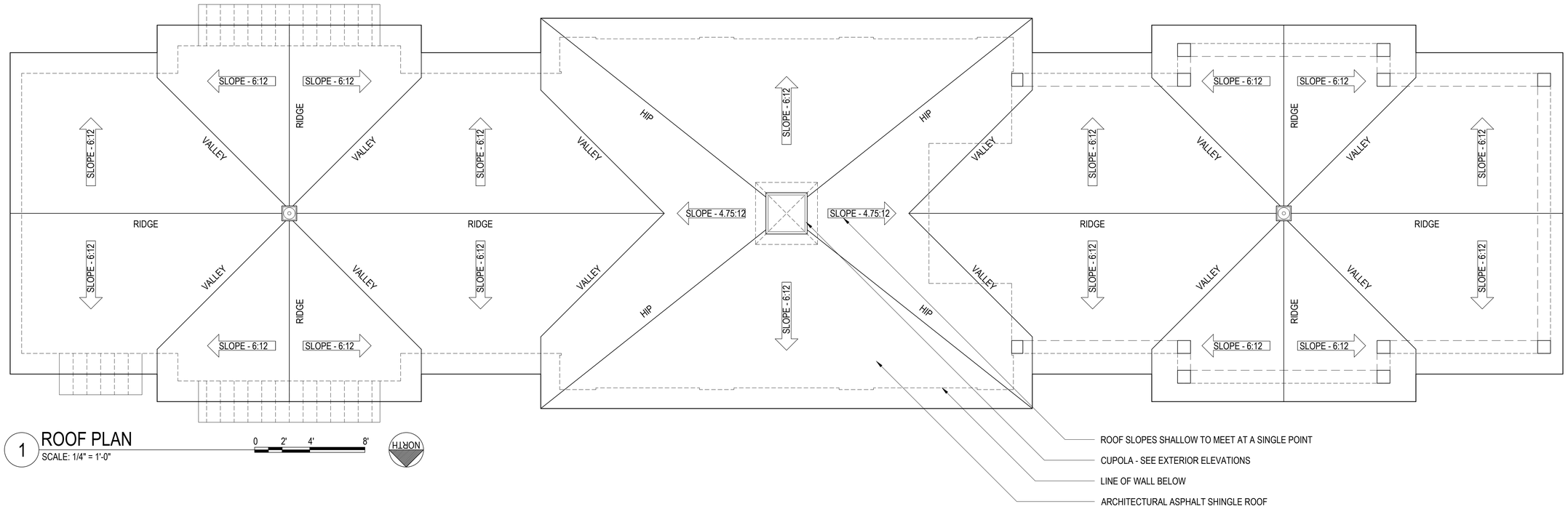

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MILLBROOK, AL 36054
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*** GENERAL CONTRACTOR TO PROVIDE A MINIMUM 40 YEAR MANUFACTURER'S WARRANTY FOR THE ROOF AND A 3 YEAR MINIMUM WORKMANSHIP WARRANTY ON THE ROOF INSTALLATION. DISCUSS ADDITIONAL WARRANTY OPTIONS WITH OWNER PRIOR TO PROCEEDING WITH WORK. ***

SLOPE - 6:12 ROOF SLOPE DIRECTION AND PITCH INDICATOR

DETAILS:
SEE SHEET A6.2 FOR SHINGLE ROOF DETAILS.

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Project #: 22-42
Design By: JBP, DJB, & JHF
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

TRACK AND FIELD
- WEST ROOF PLAN -

STATE OF ALABAMA
MONTGOMERY
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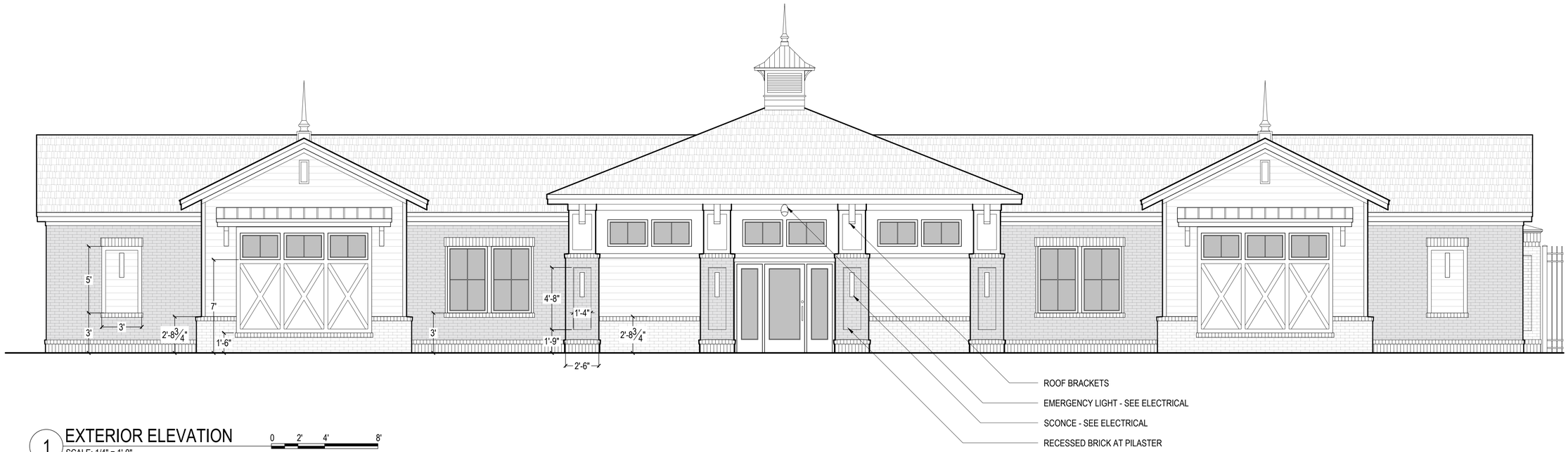
7002
REGISTERED ARCHITECT
ALABAMA

A1.6
Sheet Number



1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



2 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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TRACK AND FIELD
- EXTERIOR ELEVATIONS -

STATE OF ALABAMA
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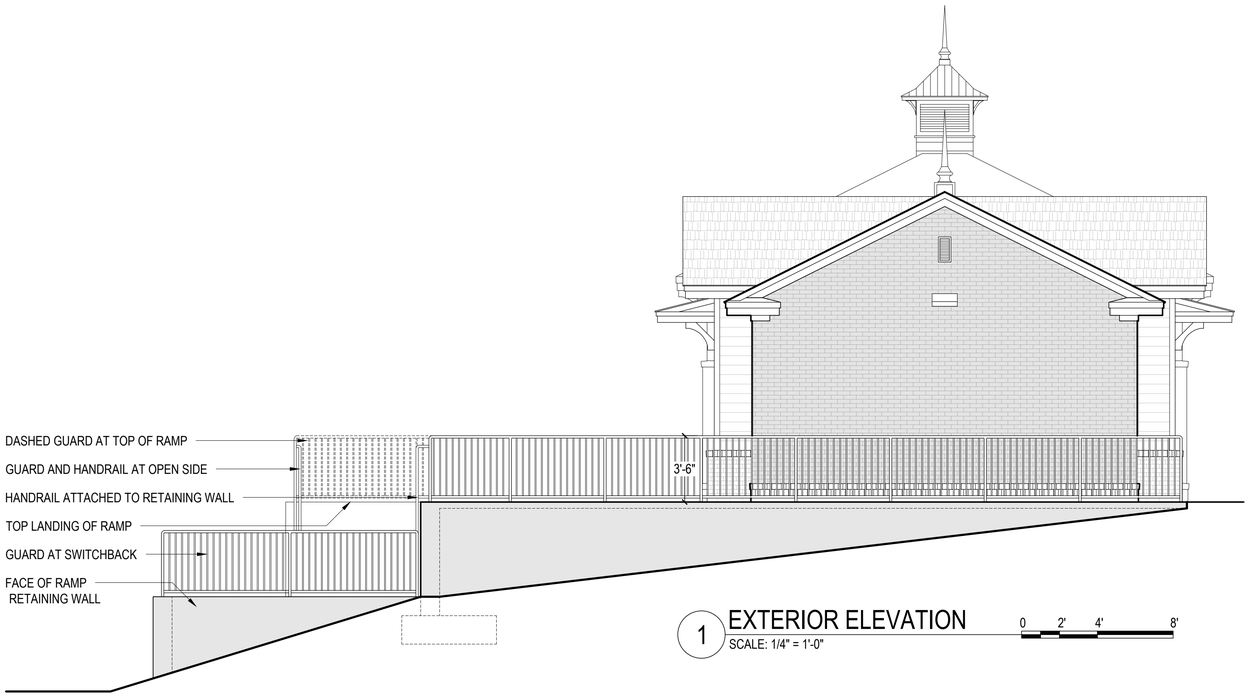
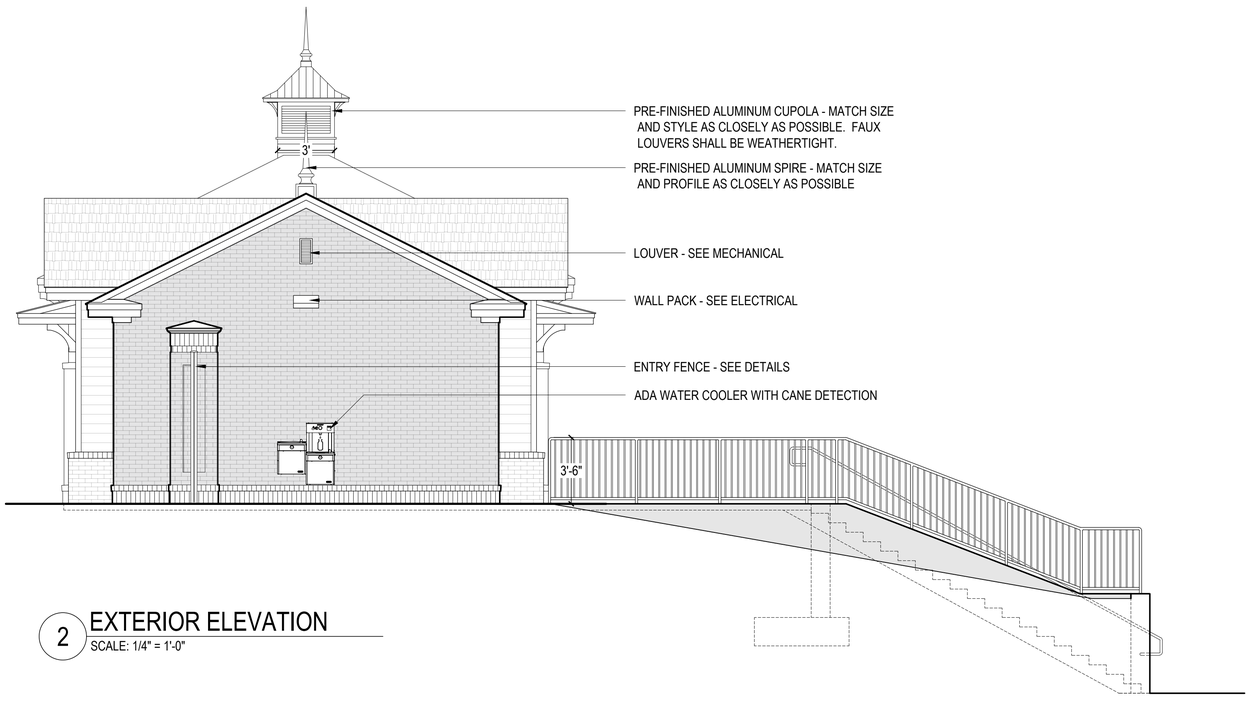
A2.0
Sheet Number

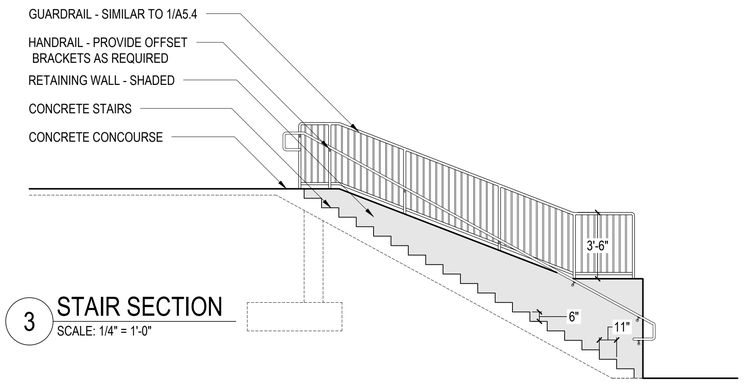


1 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



2 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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

EXTERIOR FINISH LEGEND & NOTES

EXTERIOR ELEVATIONS GENERAL NOTES:
1.) OWNER IS TO BE PROVIDED PHYSICAL SAMPLES OF EXTERIOR FINISHES / COLORS.
2.) ALL FINISHES AND COLORS ARE TO BE REVIEWED AND APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PURCHASE AND INSTALLATION.
3.) INSTALL FINISHES PER MFG. INSTRUCTIONS.
4.) VERTICAL DIMENSIONS ON ELEVATIONS ARE MEASURED ABOVE FLOOR (A.F.) AS REFERENCED TO TOP OF SLAB OF CONDITIONED SPACE.

FINISH SPECIFICATIONS ARE SHOWN BELOW. CONSULT ARCHITECT WITH ANY QUESTIONS OR CONCERNS PRIOR TO PROCEEDING WITH WORK.

ACCENT BRICK:
MFG: ACME BRICK
SIZE: MODULAR
BLEND: RIDGEMAR (#PEP031)
PATTERN: AS SHOWN
MORTAR: WHITE (VERIFY WITH ARCHITECT PRIOR TO ORDERING)

FIELD BRICK:
MFG: ACME BRICK
SIZE: MODULAR
BLEND: MOSSTOWN (#CMP400)
PATTERN: AS SHOWN
MORTAR: BUFF (VERIFY WITH ARCHITECT PRIOR TO ORDERING)

ASPHALT SHINGLES:
MFG: TAMKO
STYLE: TITAN XT
COLOR: WEATHERED WOOD

STANDING SEAM METAL ROOF:
MFG: ALABAMA STEEL
STYLE: STANDING SEAM
COLOR: BURNISHED SLATE

CEMENT BOARD LAP SIDING:
MFG: JAMES HARDIE
STYLE: HORIZONTAL LAP SIDING
SIZE: 6" EXPOSURE
COLOR: PAINT 7 - SEE FINISH SCHEDULE

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- EXTERIOR ELEVATIONS -

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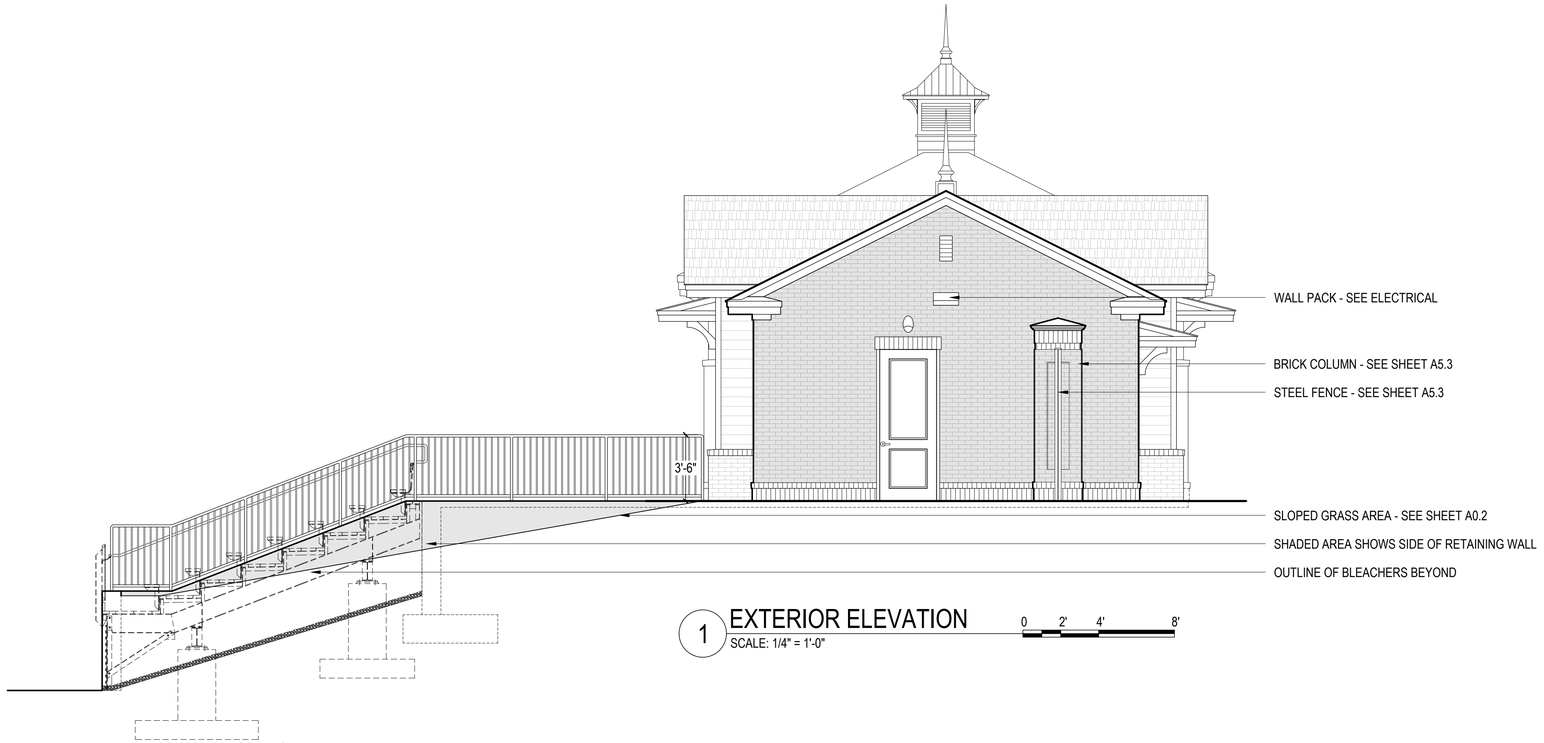
A2.1
Sheet Number



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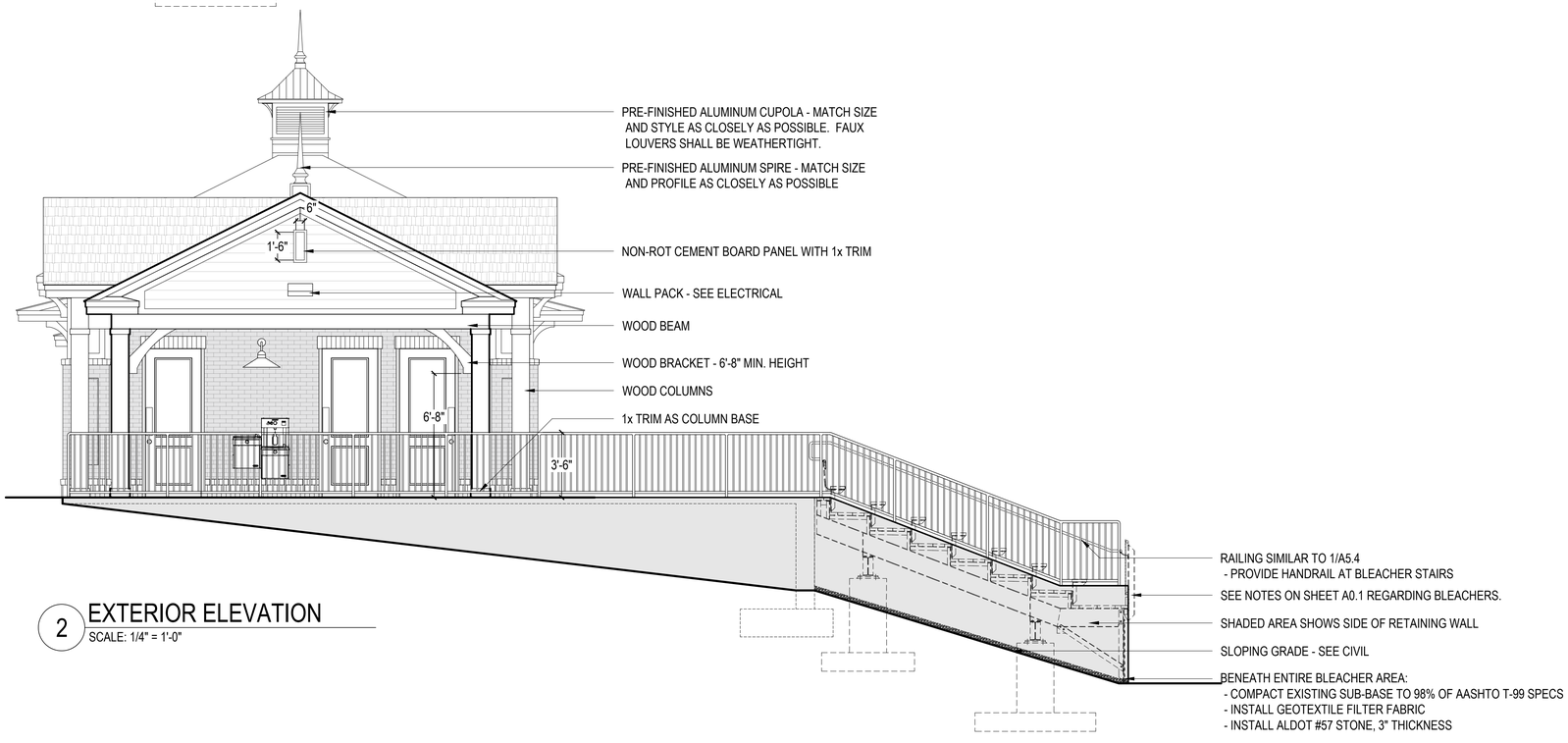

2 EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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- EXTERIOR ELEVATIONS -

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A2.2
Sheet Number



1 EXTERIOR ELEVATION
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0 2' 4' 8'



2 EXTERIOR ELEVATION
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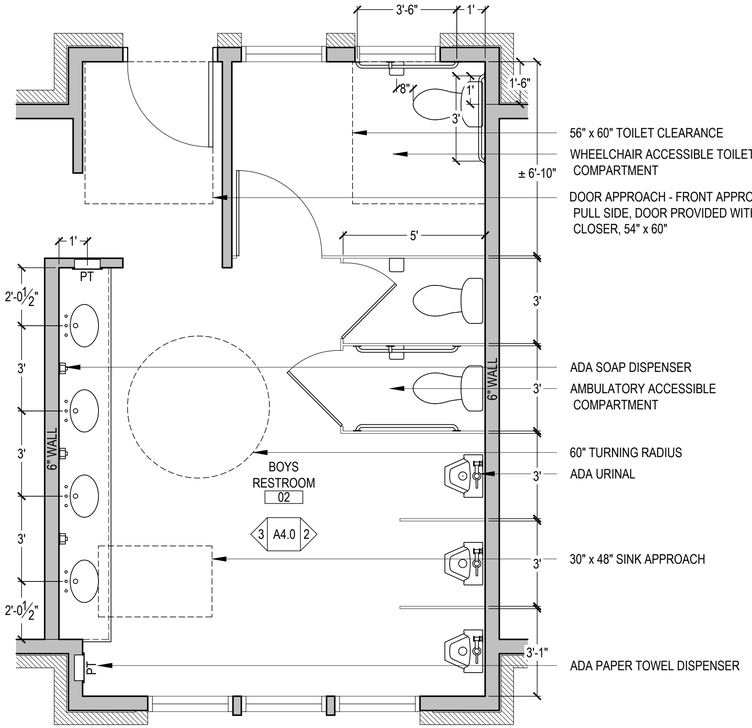
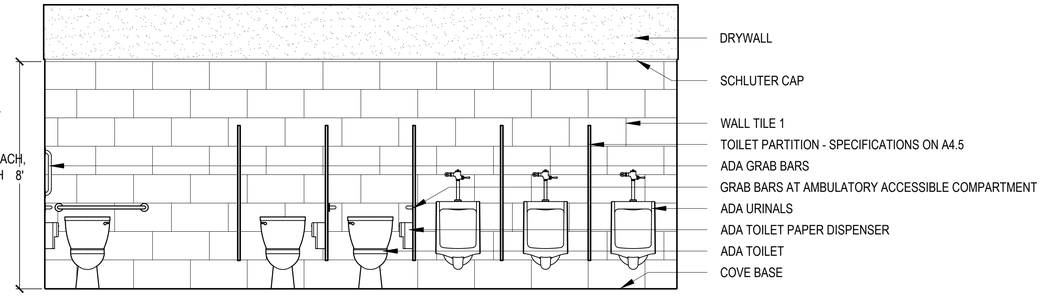
A2.3
Sheet Number



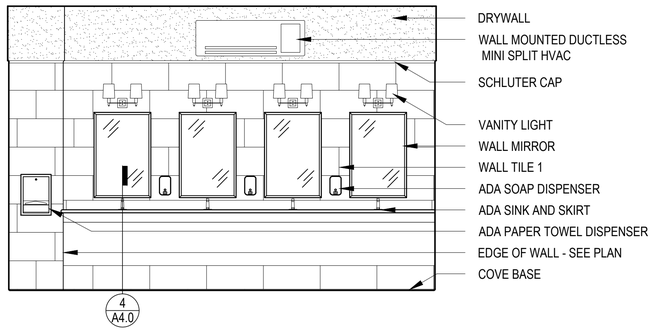
1 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



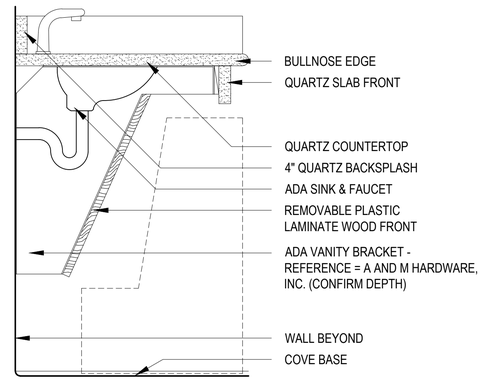
2 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



3 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



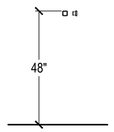
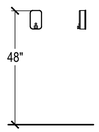
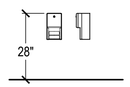
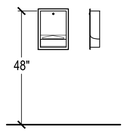
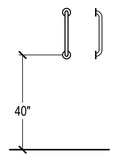
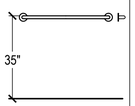
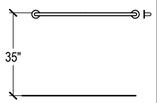
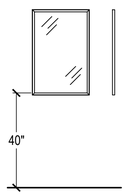
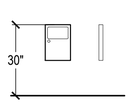
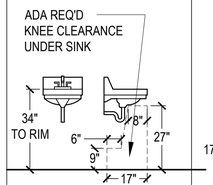
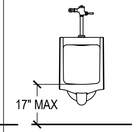
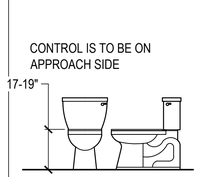
4 ENLARGED VANITY DETAIL

NOT TO SCALE

ENLARGED BATHROOM PLAN & ELEVATIONS LEGEND AND SCHEDULE

ENLARGED BATHROOM PLAN AND ELEVATION GENERAL NOTES:
ALL RESTROOMS AND BATHROOMS ARE TO COMPLY WITH ANSI A117.1 2009 AND ADA 2010. TYPE, LOCATION, AND MOUNTING HEIGHTS OF FIXTURES AND EQUIPMENT ARE CRITICAL TO COMPLIANCE. ENSURE ALL ARE MET. MINOR IN-FIELD MODIFICATIONS COULD RESULT IN NON-COMPLIANCE.

DIMENSIONS ON THIS SHEET ARE TO FINISH FLOOR AND TO FINISH FACE OF WALL. ENSURE THE THICKNESS OF THESE FINISHES ARE TAKEN INTO CONSIDERATION DURING CONSTRUCTION, PARTICULARLY WITH ROUGH-IN MEASUREMENTS FOR TOILETS AND SINKS.

ELEVATION SYMBOL												
PLAN SYMBOL												
DESCRIPTION	COAT HOOK	SOAP DISPENSER	TOILET PAPER DISPENSER	PAPER TOWEL DISPENSER	18" GRAB BAR	36" GRAB BAR	42" GRAB BAR	MIRROR	SANITARY NAPKIN DISPOSAL	ADA WALL MOUNT SINK	ADA WALL HUNG URINAL	ADA FLOOR MOUNT TOILET
MANUFACTURER	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	SEE PLUMBING	SEE PLUMBING	SEE PLUMBING
MODEL #	B-233	B-2111	B-4288	B-359	B-5806X18	B-5806X36	B-5806X42	B-165 2436	B-254			
MISCELLANEOUS NOTES			KEYED DOUBLE DISPENSER	RECESSED - ROUGH OPENING 11 1⁄4" W, 15 5⁄8" H				MEASURED TO BOTTOM OF REFLECTIVE SURFACE	PROVIDE AT ALL STALLS IN WOMEN'S RESTROOM ONLY	4" CENTER SET FAUCET - PROVIDE ADA GUARDS ON EXPOSED PIPES		OPEN FRONT TLT SEAT REQ'D

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ENLARGED RESTROOM PLAN & INTERIOR ELEVATIONS

STATE OF ALABAMA
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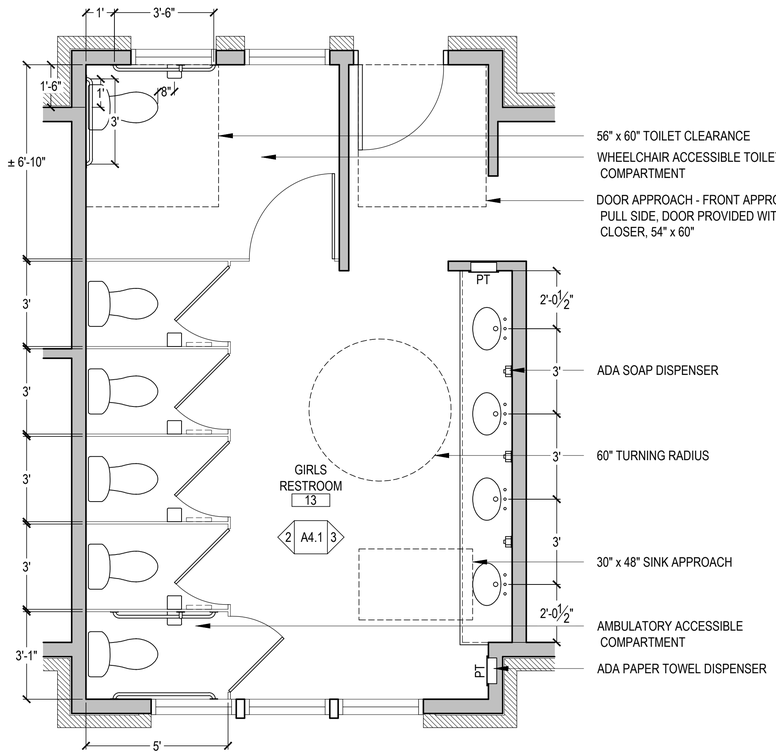
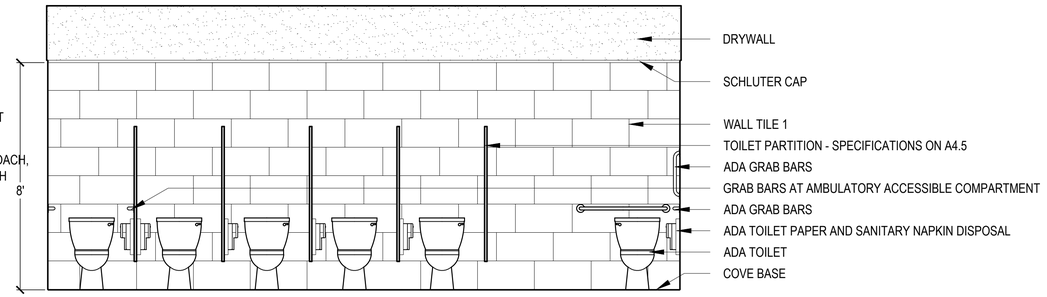
A4.0

Sheet Number



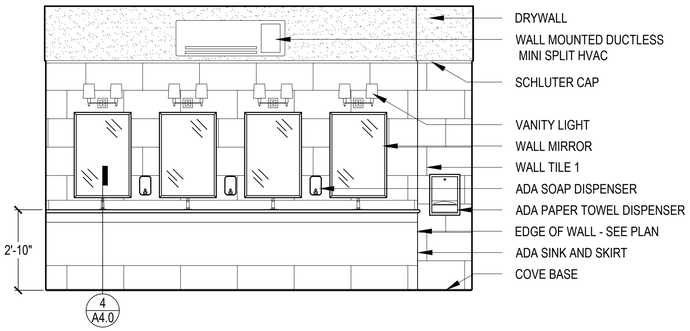
1 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



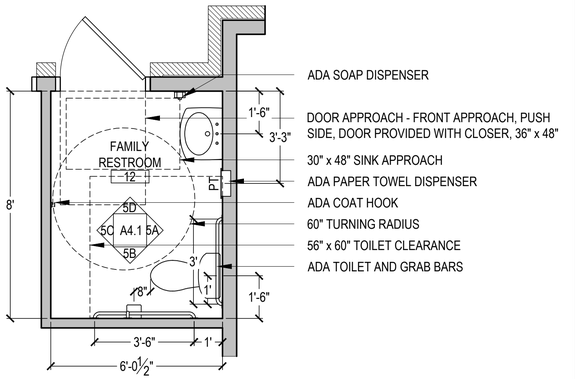
2 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



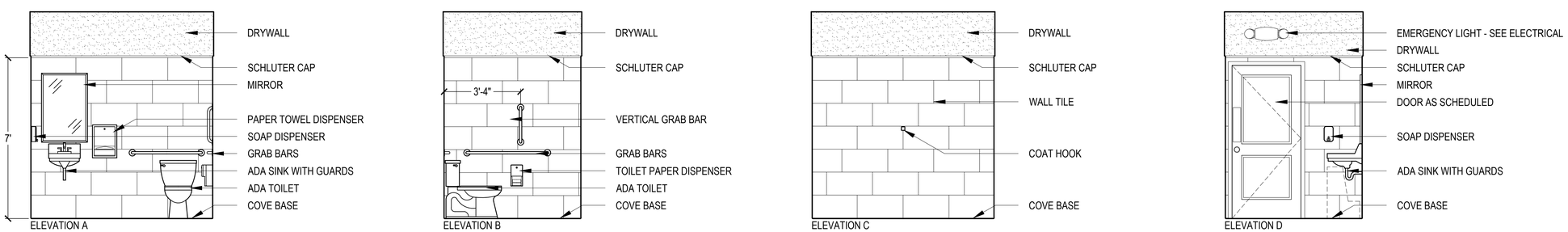
3 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



4 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



5 RESTROOM ELEVATIONS

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A4.1

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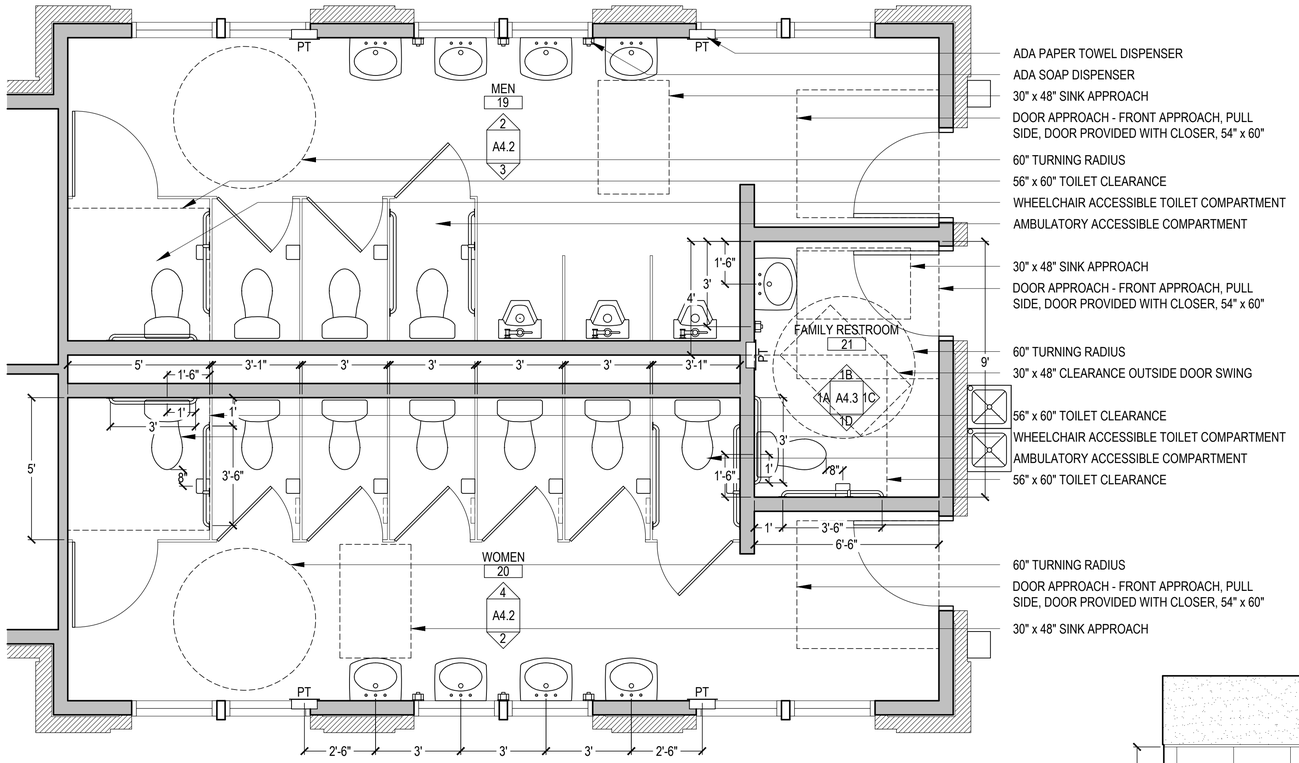

ADA PAPER TOWEL DISPENSER
ADA SOAP DISPENSER
30" x 48" SINK APPROACH
DOOR APPROACH - FRONT APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER, 54" x 60"
60" TURNING RADIUS
56" x 60" TOILET CLEARANCE
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT
AMBULATORY ACCESSIBLE COMPARTMENT
30" x 48" SINK APPROACH
DOOR APPROACH - FRONT APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER, 54" x 60"
60" TURNING RADIUS
30" x 48" CLEARANCE OUTSIDE DOOR SWING
56" x 60" TOILET CLEARANCE
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT
AMBULATORY ACCESSIBLE COMPARTMENT
56" x 60" TOILET CLEARANCE
60" TURNING RADIUS
DOOR APPROACH - FRONT APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER, 54" x 60"
30" x 48" SINK APPROACH

1 ENLARGED RESTROOM PLAN

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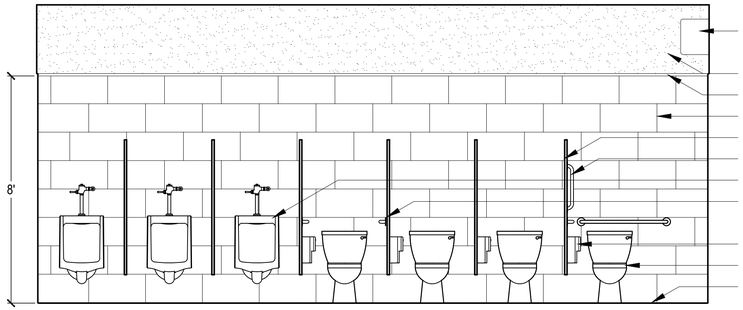
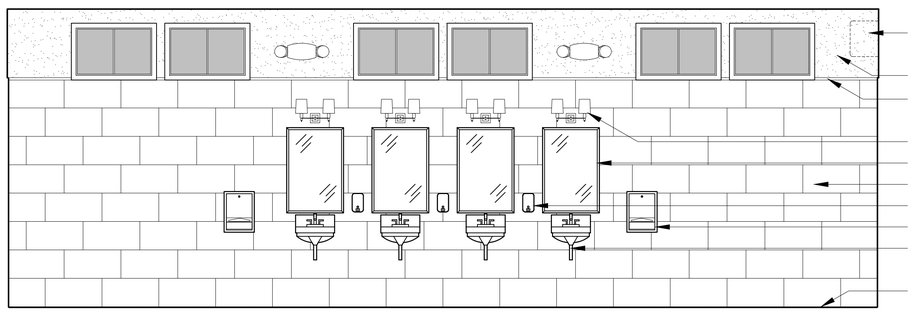


WALL MOUNTED DUCTLESS MINI SPLIT HVAC
DRYWALL
SCHLUTER CAP
WALL TILE 1
TOILET PARTITION - SPECIFICATIONS ON A4.5
ADA GRAB BARS
ADA URINAL
GRAB BARS AT AMBULATORY ACCESSIBLE COMPARTMENT
ADA TOILET PAPER DISPENSER
ADA TOILET
COVE BASE

3 RESTROOM ELEVATION

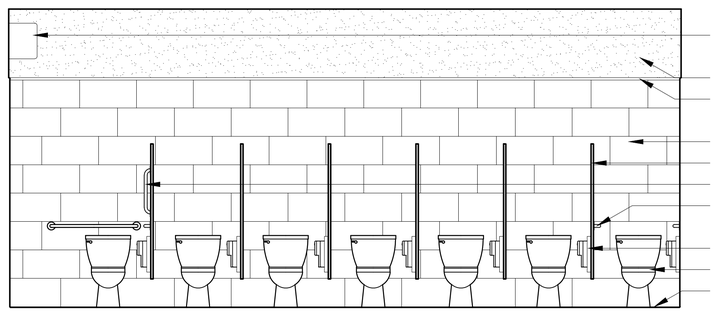
SCALE: 3/8" = 1'-0"



WALL MOUNTED DUCTLESS MINI SPLIT HVAC - LOCATION VARIES
DRYWALL
SCHLUTER CAP
VANITY LIGHT
WALL MIRROR
WALL TILE 1
ADA SOAP DISPENSER
ADA PAPER TOWEL DISPENSER
ADA SINK WITH PIPE GUARDS
COVE BASE

2 RESTROOM ELEVATION

SCALE: 3/8" = 1'-0"



WALL MOUNTED DUCTLESS MINI SPLIT HVAC
DRYWALL
SCHLUTER CAP
WALL TILE 1
TOILET PARTITION - SPECIFICATIONS ON A4.5
ADA GRAB BARS
GRAB BARS AT AMBULATORY ACCESSIBLE COMPARTMENT
TOILET PAPER AND SANITARY NAPKIN DISPOSAL
ADA TOILET
COVE BASE

4 RESTROOM ELEVATION

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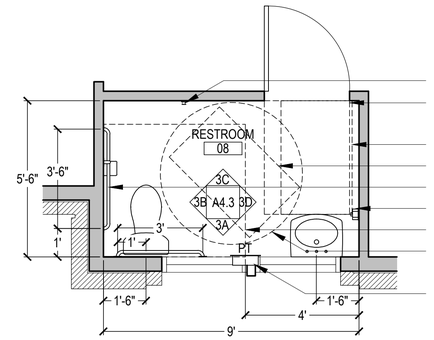
A4.2

Sheet Number



ADA COAT HOOK

DOOR APPROACH - FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH CLOSER, 36" x 48"

30" x 48" SINK APPROACH

30" x 48" CLEARANCE OUTSIDE DOOR SWING

ADA TOILET AND GRAB BARS

ADA SOAP DISPENSER

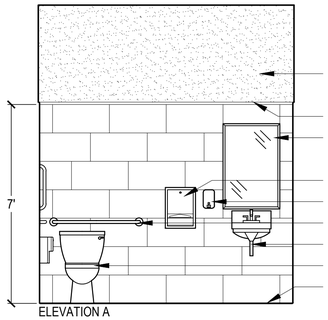
56" x 60" TOILET CLEARANCE

60" TURNING RADIUS

ADA PAPER TOWEL DISPENSER

2 ENLARGED RESTROOM PLAN

SCALE: 3/8" = 1'-0"



DRYWALL

SCHLUTER CAP

MIRROR

PAPER TOWEL DISPENSER

SOAP DISPENSER

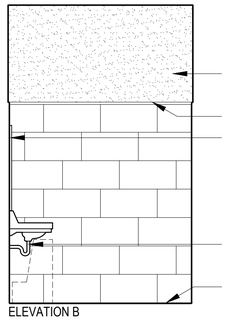
GRAB BARS

ADA SINK WITH GUARDS

ADA TOILET

COVE BASE

ELEVATION A



DRYWALL

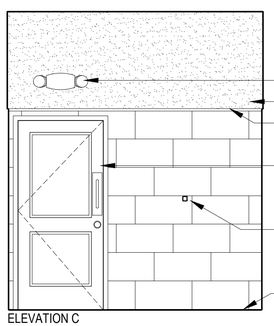
SCHLUTER CAP

MIRROR

ADA SINK WITH GUARDS

COVE BASE

ELEVATION B



EMERGENCY LIGHT - SEE ELECTRICAL

DRYWALL

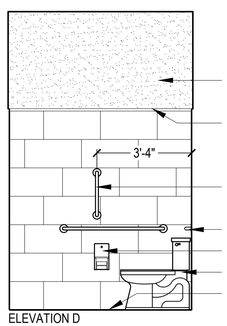
SCHLUTER CAP

DOOR AS SCHEDULED

COAT HOOK

COVE BASE

ELEVATION C



DRYWALL

SCHLUTER CAP

VERTICAL GRAB BAR

GRAB BARS

TOILET PAPER DISPENSER

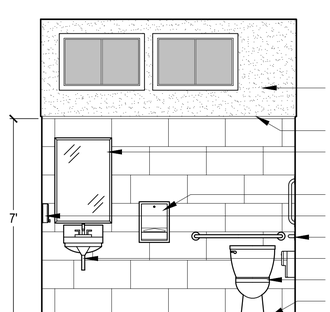
ADA TOILET

COVE BASE

ELEVATION D

1 RESTROOM ELEVATIONS

SCALE: 3/8" = 1'-0"



DRYWALL

SCHLUTER CAP

MIRROR

PAPER TOWEL DISPENSER

SOAP DISPENSER

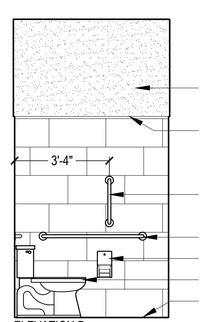
GRAB BARS

ADA SINK WITH GUARDS

ADA TOILET

COVE BASE

ELEVATION A



DRYWALL

SCHLUTER CAP

VERTICAL GRAB BAR

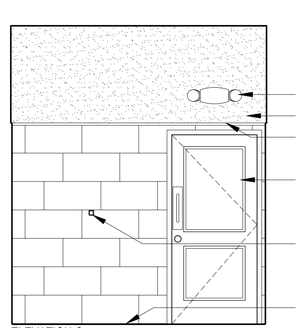
GRAB BARS

TOILET PAPER DISPENSER

ADA TOILET

COVE BASE

ELEVATION B



EMERGENCY LIGHT - SEE ELECTRICAL

DRYWALL

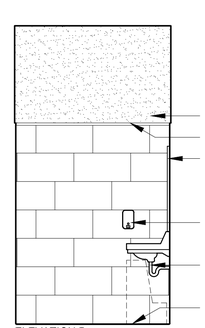
SCHLUTER CAP

DOOR AS SCHEDULED

COAT HOOK

COVE BASE

ELEVATION C



DRYWALL

SCHLUTER CAP

MIRROR

SOAP DISPENSER

ADA SINK WITH GUARDS

COVE BASE

ELEVATION D

3 RESTROOM ELEVATIONS

SCALE: 3/8" = 1'-0"

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Project #:
22-42

Design By:
JBP, DJB, & JHF

Project Date:
10-25-24

Revisions:

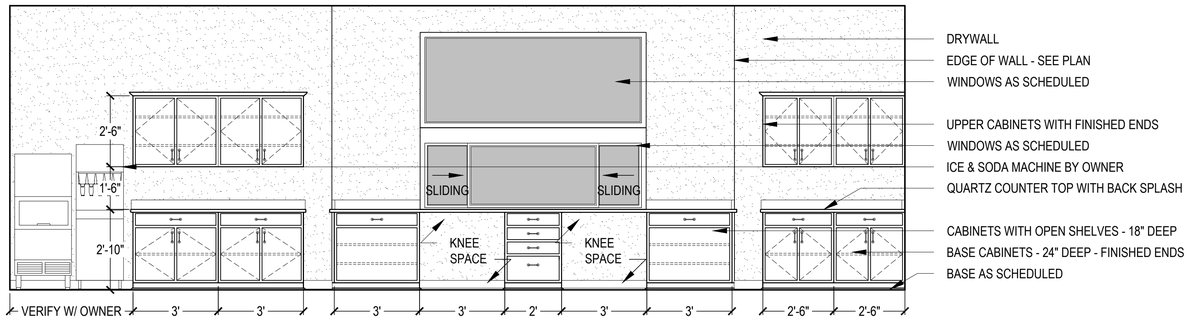
CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

ENLARGED RESTROOM PLAN & INTERIOR ELEVATIONS

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

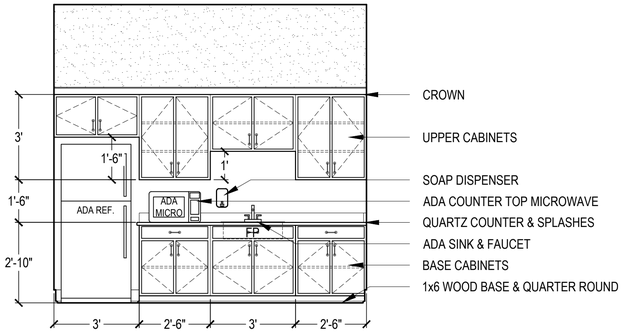
A4.3

Sheet Number



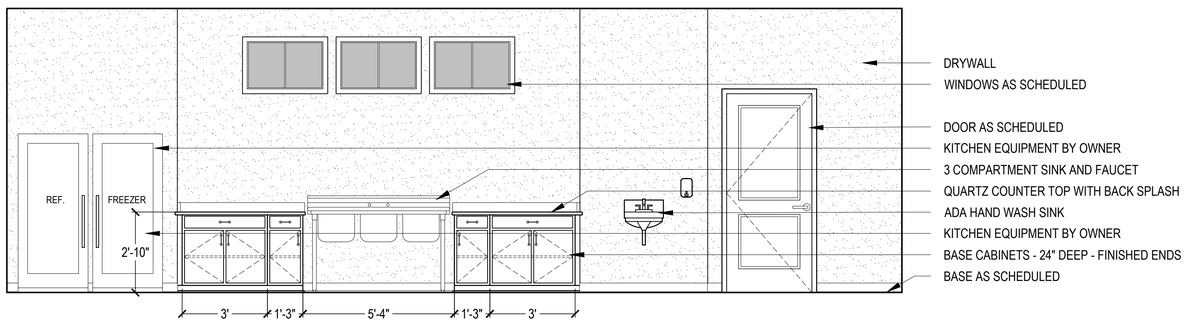
1 CONCESSIONS - ROOM #16

SCALE: 3/8" = 1'-0"



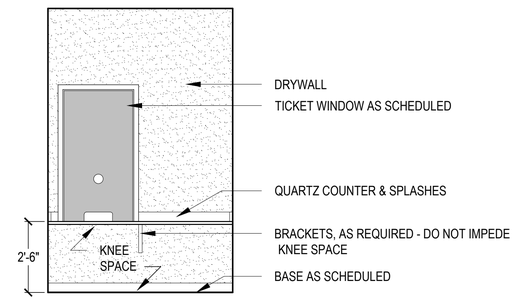
4 KITCHENETTE - ROOM #10

SCALE: 3/8" = 1'-0"



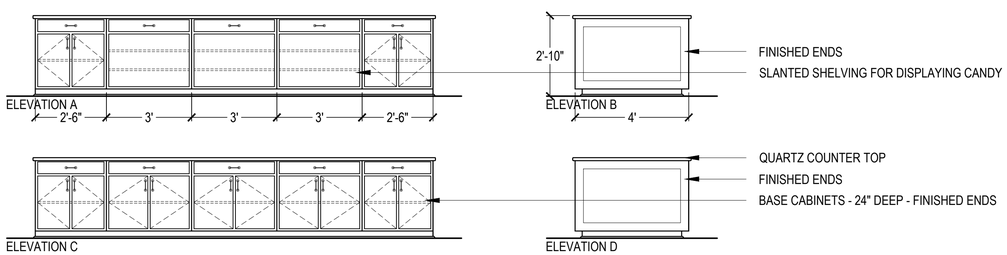
2 CONCESSIONS - ROOM #16

SCALE: 3/8" = 1'-0"



5 TICKETS - ROOM #15

SCALE: 3/8" = 1'-0"



3 CONCESSIONS ISLAND - ROOM #16

SCALE: 3/8" = 1'-0"

GENERAL CABINET NOTES:
- ALL ENDS OF CABINETS TO BE FINISHED, INCLUDING AT KNEE SPACES
- ALL SHELVING TO BE ADJUSTABLE
- ALL UPPER CABINETS TO HAVE CROWN. RETURN CROWN BACK TO WALL.

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INTERIOR ELEVATIONS

STATE OF ALABAMA
MONTGOMERY
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A4.4

Sheet Number

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	CEILING	NOTES
01	DRESSING	SEALED CONCRETE	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	I.R. & M.R. DRYWALL - PAINT 3	-
02	BOYS RESTROOM	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
03	JANITORIAL	SEALED CONCRETE	RUBBER BASE 1	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
04	MECH / ELEC	SEALED CONCRETE	RUBBER BASE 1	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
05	OFFICE	VINYL FLOOR 1	RUBBER BASE 1	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
06	OFFICE	VINYL FLOOR 1	RUBBER BASE 1	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
07	CONFERENCE	VINYL FLOOR 1	RUBBER BASE 1	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
08	RESTROOM	VINYL FLOOR 1	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	M.R. DRYWALL - PAINT 3	-
09	ENTRANCE	VINYL FLOOR 1	RUBBER BASE 1	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
10	KITCHENETTE	VINYL FLOOR 1	RUBBER BASE 1	DRYWALL - PAINT 1	DRYWALL - PAINT 2	-
11	STORAGE	SEALED CONCRETE	RUBBER BASE 1	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
12	FAMILY RESTROOM	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
13	GIRLS RESTROOM	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
14	DRESSING	SEALED CONCRETE	RUBBER BASE 1	I.R. & M.R. DRYWALL - PAINT 1	I.R. & M.R. DRYWALL - PAINT 3	-
15	TICKETS	SEALED CONCRETE	RUBBER BASE 1	DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
16	CONCESSIONS	SEALED CONCRETE	RUBBER BASE 1	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
17	STORAGE	SEALED CONCRETE	RUBBER BASE 1	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
18	MECH / ELEC	SEALED CONCRETE	RUBBER BASE 1	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 3	-
19	MEN	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
20	WOMEN	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
21	FAMILY RESTROOM	SEALED CONCRETE	SCHLUTER COVE BASE	I.R. & M.R. DRYWALL - PAINT 1 / WALL TILE 1	I.R. & M.R. DRYWALL - PAINT 3	-
22	PAVILION	SEALED CONCRETE	-	-	VAULTED WOOD CEILING - STAIN 1	ALL EXPOSED WOODWORK - STAIN 1

SPECIFICATIONS

DRYWALL
SIZE: 5/8" TYPE X (UNLESS NOTED OTHERWISE)
FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL

MOISTURE RESISTANT (M.R.) DRYWALL
SIZE: 5/8" MOISTURE RESISTANT TYPE X
FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL

IMPACT & MOISTURE RESISTANT (I.R. & M.R.) DRYWALL
SIZE: 5/8" IMPACT AND MOISTURE RESISTANT TYPE X
FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL
NOTES: SOME MANUFACTURERS INCLUDE THE FOLLOWING:
GOLD BOND XP HI-IMPACT
PURPLE XP HI-IMPACT
SHEETROCK BRAND MOLD TOUGH VHI FIRECODE
CERTAINTEED EXTREME IMPACT RESISTANT WITH M2TECH
OR EQUAL

PAINT COLOR 1
SUBSTRATE: DRYWALL
SHEEN: EGGSHELL
COLOR: BENJAMIN MOORE - GREY MIST (OC-30)

PAINT COLOR 2
SUBSTRATE: DRYWALL CEILINGS
SHEEN: FLAT
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

PAINT COLOR 3
SUBSTRATE: DRYWALL CEILINGS
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

PAINT COLOR 4
SUBSTRATE: INTERIOR WOOD TRIM
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

PAINT COLOR 5
SUBSTRATE: METAL TRIM, DOORS, AND FRAMES
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)

PAINT COLOR 6
SUBSTRATE: INTERIOR WOOD DOORS
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)

PAINT COLOR 7
SUBSTRATE: EXTERIOR CEMENT BOARD & TRIM
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - REVERE PEWTER (HC-172)

PAINT COLOR 8
SUBSTRATE: SOFFIT AND FASCIA
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)

SEALED CONCRETE
SUBSTRATE: CONCRETE SLAB ON GRADE
TYPE: TINTED CONCRETE SEALER
SHEEN: GLOSS
COLOR: TBD - SEMI TRANSPARENT
NOTES: ADD SLIP RESISTANT TEXTURE

POWDER COAT 1:
MFG: PPG
COLOR: TRAFFIC BLACK (RAL 9017)

VINYL FLOOR 1
MFG: SHAW
STYLE: TERRAIN 2 COLLECTION
COLOR: NEST
SIZE: 6" x 48" PLANK
PATTERN: RANDOM PATTERN - CENTER IN ROOM
WARRANTY: LIFETIME COMMERCIAL WARRANTY
NOTES: PROVIDE ADA TRANSITIONS AT DISSIMILAR MATERIALS AS REQUIRED

COUNTERTOPS:
MFG: LG HAUSYS - VIATERA
TYPE: QUARTZ
SIZE: 3CM (1.5") THICK
COLOR: FORTE
PROFILE: EASED EDGE

CABINETRY:
STYLE: SHAKER STYLE
TYPE: FULL OVERLAY WOOD CABINETS
SPECIES: MAPLE WOOD
FINISH: PAINTED FACTORY FINISH
COLOR: BENJAMIN MOORE - WROUGHT IRON (2124-10)
HARDWARE: PROVIDE A $5.00 ALLOWANCE PER DOOR OR DRAWER
NOTES: PROVIDE CROWN MOLDING AT TOP OF ALL UPPER CABINETS

WALL TILE 1:
MFG: FLORIDA TILE
STYLE: HIGH RIDGE
COLOR: PINNACLE BEIGE
TYPE: GLAZED PORCELAIN TILE
GROUT: LATICRETE BOSTIK QUARTZLOCK2 GROUT (#370 RAINCLOUD GRAY) - PROVIDE A SAMPLE ON SITE FOR OWNER'S REVIEW AND APPROVAL
SIZE: 12x24 - 1/3 OFFSET PATTERN
NOTES: REFER TO INTERIOR ELEVATIONS REGARDING EXACT LOCATIONS OF WALL TILE - PROVIDE SCHLUTER CAP AND BASE

SCHLUTER CAP
SHAPE: JOLLY 100ATGB
FINISH: BRUSHED NICKEL
SIZE: 3/8 (10MM)
NOTES: INCLUDE CORNERS, CONNECTORS, END CAPS, ETC. AS REQUIRED

SCHLUTER COVE BASE
SHAPE: DILEX-AHKA100ATGB
FINISH: BRUSHED NICKEL
SIZE: 3/8 (10MM)
NOTES: INCLUDE CORNERS, CONNECTORS, END CAPS, ETC. AS REQUIRED

RUBBER BASE 1
MFG: ROPPE - 700 SERIES RUBBER BASE - STANDARD TOE
SIZE: 1/8" THICK, 6" HIGH
COLOR: BATTLESHIP (#669)
NOTE: USE COORDINATING INSIDE CORNERS & OUTSIDE CORNERS

HVAC GRILLS AND REGISTERS
COLOR: ALL HVAC WALL GRILLS AND WALL REGISTERS TO BE FACTORY FINISHED IN WHITE. ALL EXTERIOR GRILLS/LOUVERS TO BE FACTORY FINISHED IN DARK BRONZE.

TOILET PARTITIONS
MFG: ASI GLOBAL
STYLE: FLOOR ANCHORED / OVERHEAD BRACED
COLOR: BLACK (2000C) - COLOR-THRU PHENOLIC
NOTES: PROVIDE SELF CLOSERS ON ALL DOORS - ALL PARTITIONS TO MEET ADA REQUIREMENTS - ALL TRIM, HARDWARE, LATCHES, ETC. TO BE SILVER IN COLOR

ELECTRICAL DEVICES
COLOR: ALL SWITCHES, OUTLETS, AND COVER PLATES TO BE WHITE

STAIN COLOR 1
SUBSTRATE: WOOD
SHEEN: SEMI-SOLID
COLOR: AMHERST GRAY (HC-167)
MFG: BENJAMIN MOORE - ARBORCOAT EXT.

EQUIPMENT SCHEDULE

MARK	EQUIPMENT NAME	MANUFACTURER	MODEL NUMBER	COLOR / FINISH	SIZE	NOTES
A	REFRIGERATOR	GE	GIE9JSNRSS	STAINLESS STEEL	66 3/8" x 29 3/4" x 34 1/2"	O.F.O.I - ICE MAKER TO BE FACTORY INSTALLED
B	MICROWAVE	GE	PES7227SLSS	STAINLESS STEEL	14" x 24 1/8" x 19 3/4"	O.F.O.I.

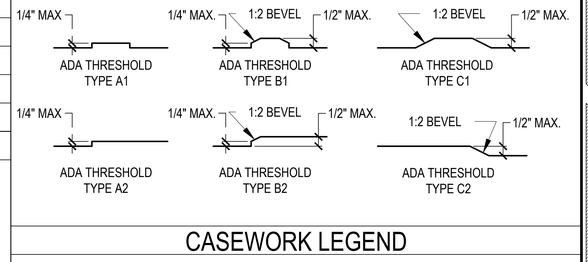
NOTE: MANUFACTURERS AND MODELS LISTED ARE THE BASIS OF DESIGN. OTHER MANUFACTURERS OF EQUAL PRODUCTS MAY BE CONSIDERED. CONSULT ARCHITECT WITH ANY QUESTIONS. O.F.O.I = OWNER FURNISHED, OWNER INSTALLED. APPLIANCES NOT IN CONSTRUCTION CONTRACT!

GENERAL NOTES

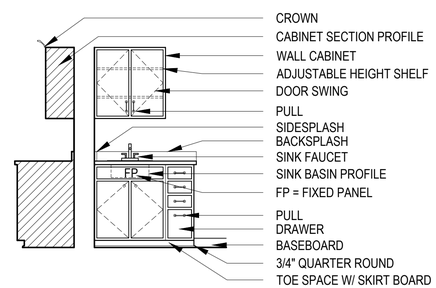
1. INSTALL ALL EQUIPMENT AND FINISHES PER MFG. RECOMMENDATIONS.
2. MANUFACTURER REFERENCE IS FOR STYLE / COLOR. IT IS NOT A REQUIREMENT TO USE A SPECIFIC BRAND. ALL SUBMITTALS AND SUBSTITUTIONS TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING.
3. ALL FINISHES MUST MEET CODE INCLUDING FLAMMABILITY AND SLIP RESISTANCE.
4. ARCHITECT IS TO BE PROVIDED PHYSICAL SAMPLES BY CONTRACTOR AND IS TO REVIEW AND APPROVE ALL FINISHES PRIOR TO PURCHASE. ALL FINISHES MUST MEET CODE REQUIREMENTS.
5. CORRIDOR WALL AND CEILING FINISHES ARE TO BE CLASS B RATED AT MIN.
6. ENCLOSED ROOM WALL AND CEILING FINISHES ARE TO BE CLASS C RATED AT MIN.
7. FLOOR FINISHES ARE TO BE CLASS II RATED AT MIN.
8. SEE FLOOR FINISH TRANSITION DETAILS ON SHEET A4.5

FLOOR FINISH TRANSITIONS

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



CASEWORK LEGEND



ACCESS PANEL

GENERAL CONTRACTOR TO SUPPLY AND INSTALL HINGED CEILING ACCESS PANELS IN ROOMS 11 & 17 IN ORDER TO ACCESS THE ENTIRE "ATTIC" SPACE. CONSULT ARCHITECT WITH ANY QUESTIONS PRIOR TO PROCEEDING.

SPECIFICATIONS OF HINGED CEILING ACCESS PANEL:

MFG: BEST ACCESS DOORS
MODEL: 36" x 36" FLUSH UNIVERSAL ACCESS DOOR WITH EXPOSED FLANGES
SKU: BA-AHD-36-36
MATERIAL: COLD ROLLED STEEL DOOR AND FRAME
NOTES: ADJUST FRAMING AS REQUIRED. PAINT HATCH TO MATCH CEILING COLOR. SCREWDRIVER CAM LOCK.

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CRENSHAW COUNTY SPORTSPLEX
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CRENSHAW COUNTY, AL

FINISH SCHEDULE, SPECIFICATIONS, AND DETAILS

STATE OF ALABAMA
MONTGOMERY
JOHN H. FOSHEE
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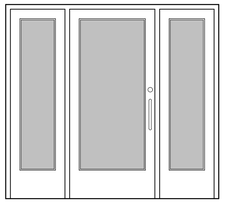
ALABAMA
REGISTERED ARCHITECT

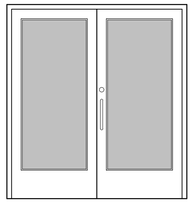
A4.5
Sheet Number

DOOR SCHEDULE



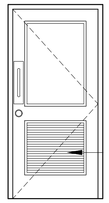
DOOR TYPE A

USE:	EXTERIOR ENTRANCE DOOR
TYPE:	SINGLE LITE STOREFRONT DOOR WITH SIDE LITES
SIZE:	1 - 3/4" X 3'-0" X 6'-8"
THERMAL:	MAX. SHGC = 0.25 MAX. U FACTOR = 0.77
FINISH:	FACTORY FINISHED - DARK BRONZE
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND SINGLE KEYED DEADBOLT WITH THUMB TURN
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN STOREFRONT FRAME



DOOR TYPE B

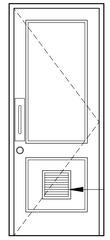
USE:	EXTERIOR ENTRANCE DOOR
TYPE:	PAIR OF SINGLE LITE STOREFRONT DOORS
SIZE:	PAIR OF 1 - 3/4" X 3'-0" X 6'-8"
THERMAL:	MAX. SHGC = 0.25 MAX. U FACTOR = 0.77
FINISH:	FACTORY FINISHED - DARK BRONZE
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND SINGLE KEYED DEADBOLT WITH THUMB TURN ON THE ACTIVE LEAF. FLUSH BOLTS ON INACTIVE LEAF.
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN STOREFRONT FRAME



PROVIDE A PRE-FINISHED ALUMINUM LOUVER IN DOOR. 3.5 SF MIN, WITH 50% NET FREE AREA. (24" x 21" LOUVER SHOWN)

DOOR TYPE C

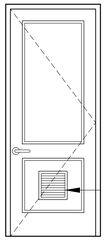
USE:	EXTERIOR RESTROOM DOOR WITH LOUVER
TYPE:	TWO PANEL EMBOSSED HOLLOW METAL DOOR
SIZE:	1 - 3/4" X 3'-0" X 6'-8"
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
FINISH:	PAINT 5
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND A SINGLE KEYED DEADBOLT ON THE EXTERIOR SIDE (NO WAY TO LOCK DOOR FROM THE INTERIOR)
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



PROVIDE A 10" x 10" PRE-FINISHED ALUMINUM LOUVER IN DOOR WITH 50% NET FREE AREA.

DOOR TYPE D

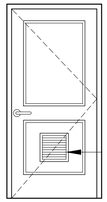
USE:	EXTERIOR RESTROOM DOOR
TYPE:	TWO PANEL EMBOSSED HOLLOW METAL DOOR
SIZE:	1 - 3/4" X 3'-0" X 8'-0"
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
FINISH:	PAINT 5
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND "IN-USE" OCCUPANCY INDICATOR DEADBOLT WITH THUMB TURN
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



IN JANITOR 03 ONLY, PROVIDE A 10" x 10" PRE-FINISHED ALUMINUM LOUVER IN DOOR WITH 50% NET FREE AREA.

DOOR TYPE E

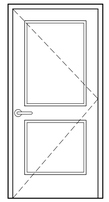
USE:	EXTERIOR ENTRANCE DOOR
TYPE:	TWO PANEL EMBOSSED HOLLOW METAL DOOR
SIZE:	1 - 3/4" X 3'-0" X 8'-0"
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
FINISH:	PAINT 5
HARDWARE:	SIDE HINGED DOOR WITH ADA CLASSROOM FUNCTION LEVER HANDLE.
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



IN MECH / ELEC 18 ONLY, PROVIDE A 10" x 10" PRE-FINISHED ALUMINUM LOUVER IN DOOR WITH 50% NET FREE AREA.

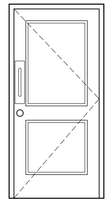
DOOR TYPE F

USE:	INTERIOR DOOR
TYPE:	SOLID WOOD, TWO PANEL DOOR
SIZE:	1 - 3/4" X 3'-0" X 6'-8"
FINISH:	PAINT 6
HARDWARE:	SIDE HINGED DOOR WITH ADA CLASSROOM FUNCTION LEVER HANDLE.
THRESHOLD:	N/A
GASKET:	NO
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



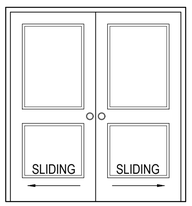
DOOR TYPE G

USE:	INTERIOR DOOR
TYPE:	SOLID WOOD, TWO PANEL DOOR
SIZE:	1 - 3/4" X 3'-0" X 6'-8"
FINISH:	PAINT 6
HARDWARE:	SIDE HINGED DOOR WITH ADA PASSAGE FUNCTION LEVER HANDLE.
THRESHOLD:	N/A
GASKET:	NO
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



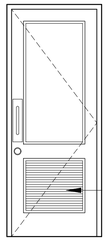
DOOR TYPE H

USE:	INTERIOR RESTROOM DOOR
TYPE:	SOLID WOOD, TWO PANEL DOOR
SIZE:	1 - 3/4" X 3'-0" X 6'-8"
FINISH:	PAINT 6
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND "IN-USE" OCCUPANCY INDICATOR DEADBOLT WITH THUMB TURN
THRESHOLD:	N/A
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)



DOOR TYPE I

USE:	INTERIOR POCKET DOORS
TYPE:	SOLID WOOD, TWO PANEL DOORS
SIZE:	PAIR OF 1 - 3/4" X 3'-0" X 6'-8"
FINISH:	PAINT 6
HARDWARE:	NON-LOCKING POCKET DOOR HARDWARE
THRESHOLD:	N/A
GASKET:	NO
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL POCKET DOOR FRAME (PAINT 5)



PROVIDE A PRE-FINISHED ALUMINUM LOUVER IN DOOR. 3.5 SF MIN, WITH 50% NET FREE AREA. (24" x 21" LOUVER SHOWN)

DOOR TYPE J

USE:	EXTERIOR RESTROOM DOOR WITH LOUVER
TYPE:	TWO PANEL EMBOSSED HOLLOW METAL DOOR
SIZE:	1 - 3/4" X 3'-0" X 8'-0"
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
FINISH:	PAINT 5
HARDWARE:	SIDE HINGED DOOR WITH AN ADA PUSH/PULL HANDLE, HYDRAULIC CLOSER, AND A SINGLEKEYED DEADBOLT ON THE EXTERIOR SIDE (NO WAY TO LOCK DOOR FROM THE INTERIOR)
THRESHOLD:	ADA
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 5)

LOUVER NOTES:

1. PRE-FINISHED ALUMINUM DOOR LOUVERS TO BE DARK BRONZE IN COLOR.

DOOR NOTES

GENERAL NOTES:

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

INTERIOR SIGNAGE

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

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

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

SIGN TYPES:



A
HANDICAP ACCESSIBLE RESTROOM - MEN
RRE-150_White_on_Black



B
HANDICAP ACCESSIBLE RESTROOM - WOMEN
RRE-130_White_on_Black



C
VERTICAL EXIT SIGN
RSME-19471_White_on_Black
8" x 2"

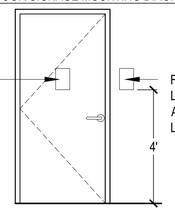


D
DOOR TO REMAIN UNLOCKED SIGN
SKU: NHEP-13913
(7" x 10" - ALUMINUM SIGN)



E
HANDICAP ACCESSIBLE RESTROOM
RRE-120_White_on_Black

INTERIOR DOOR SIGNAGE MOUNTING DIAGRAM



FOR SIGN TYPE D, LOCATE SIGN IN THE CENTER OF THE DOOR. LOCATE ON THE INTERIOR SIDE.

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

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Project #: 22-42

Design By: JBP, DJB, & JHF

Project Date: 10-25-24

Revisions:

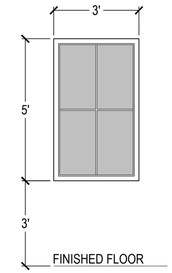
CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

DOOR AND SIGNAGE SCHEDULES

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

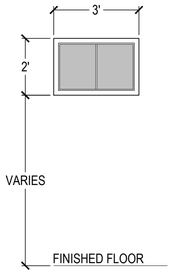
A4.6
Sheet Number

WINDOW SCHEDULE



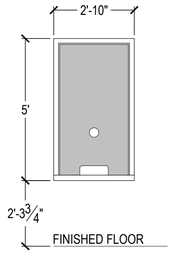
WINDOW TYPE A

TYPE:	FIXED ALUMINUM CLAD WINDOW
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.46
MAX. SHGC:	0.25
NOTES:	BASIS OF DESIGN IS WEATHER SHIELD - SIGNATURE SERIES WINDOWS



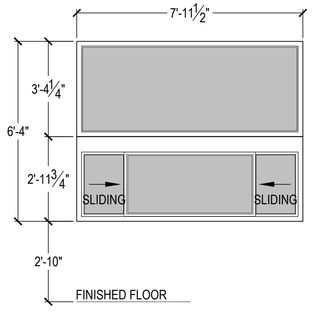
WINDOW TYPE B

TYPE:	FIXED ALUMINUM CLAD WINDOW
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.46
MAX. SHGC:	0.25
NOTES:	BASIS OF DESIGN IS WEATHER SHIELD - SIGNATURE SERIES WINDOWS



WINDOW TYPE C

TYPE:	TICKET WINDOW
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR INSULATED GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.46
MAX. SHGC:	0.25
NOTES:	BASIS OF DESIGN: READY-ACCESS, MODEL 603 WITH SHELF DEAL TRAY. PROVIDE A STAINLESS STEEL SPEAK THROUGH. CONSULT ARCHITECT WITH ANY QUESTIONS.



WINDOW TYPE D

TYPE:	WALK UP SERVICE WINDOW WITH TRANSOM
FINISH:	DARK BRONZE - FACTORY FINISHED
GLASS:	CLEAR DUAL PANE, INSULATED GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.60
MAX. SHGC:	0.25
NOTES:	BASIS OF DESIGN: READY-ACCESS, MODEL 650 (ENERGY SAVER) WITH TWO SERVICE OPENINGS (19" x 27 1/4" SLIDING OPENINGS). MANUAL OPEN / AUTOMATIC CLOSE. GLASS TRANSOM IS AVAILABLE AS A SPECIAL ORDER FEATURE. CONSULT ARCHITECT WITH ANY QUESTIONS.

GENERAL NOTES:

1. WHERE APPLICABLE, ALL GLASS IS TO BE TEMPERED GLASS.
2. GENERAL CONTRACTOR TO PROVIDE A PHYSICAL WINDOW SAMPLE FOR OWNER'S APPROVAL PRIOR TO ORDERING.
3. PROJECT IS NOT BELIEVED TO BE LOCATED IN A WIND-BORNE DEBRIS REGION
4. GENERAL CONTRACTOR AND WINDOW SUPPLIER TO ENSURE WINDOWS MEET THE DESIGN PRESSURE (DP) FOR WIND SPEEDS, PER IBC AND ASTM E1300

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Project Date: 10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

WINDOW SCHEDULE

STATE OF ALABAMA
MONTGOMERY
JOHN H. FOSHEE
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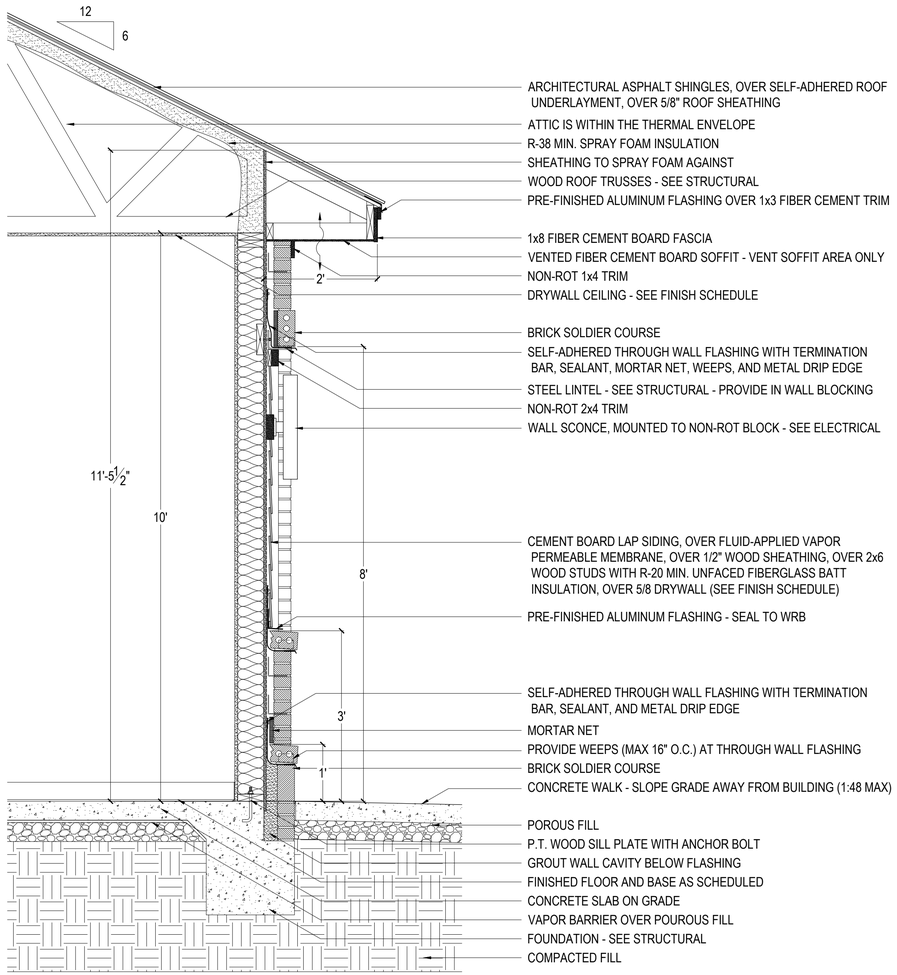
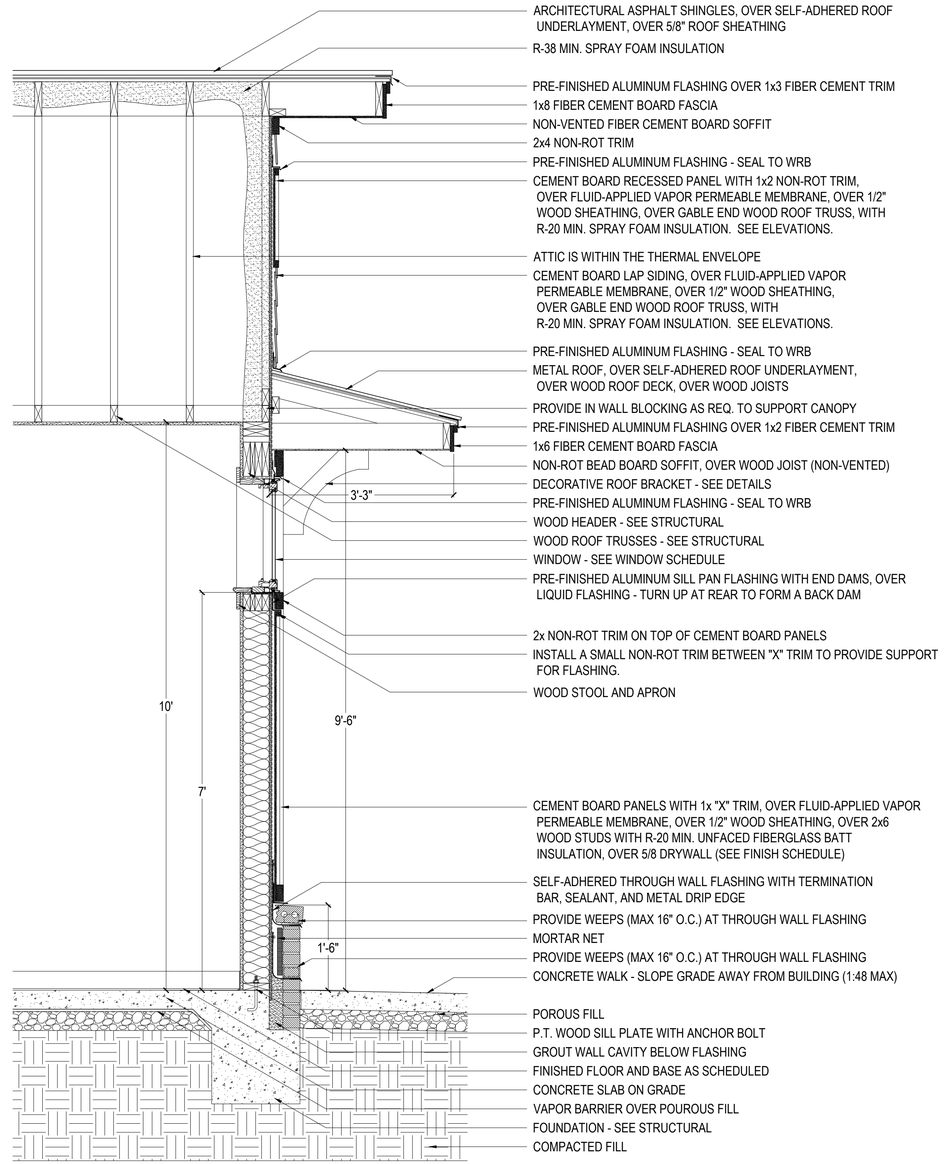
ALABAMA
REGISTERED ARCHITECT

A4.7

Sheet Number



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



2 WALL SECTION
SCALE: 3/4" = 1'-0"

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SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

WALL SECTIONS

STATE OF ALABAMA
MONTGOMERY
JOHN H. FOSHEE
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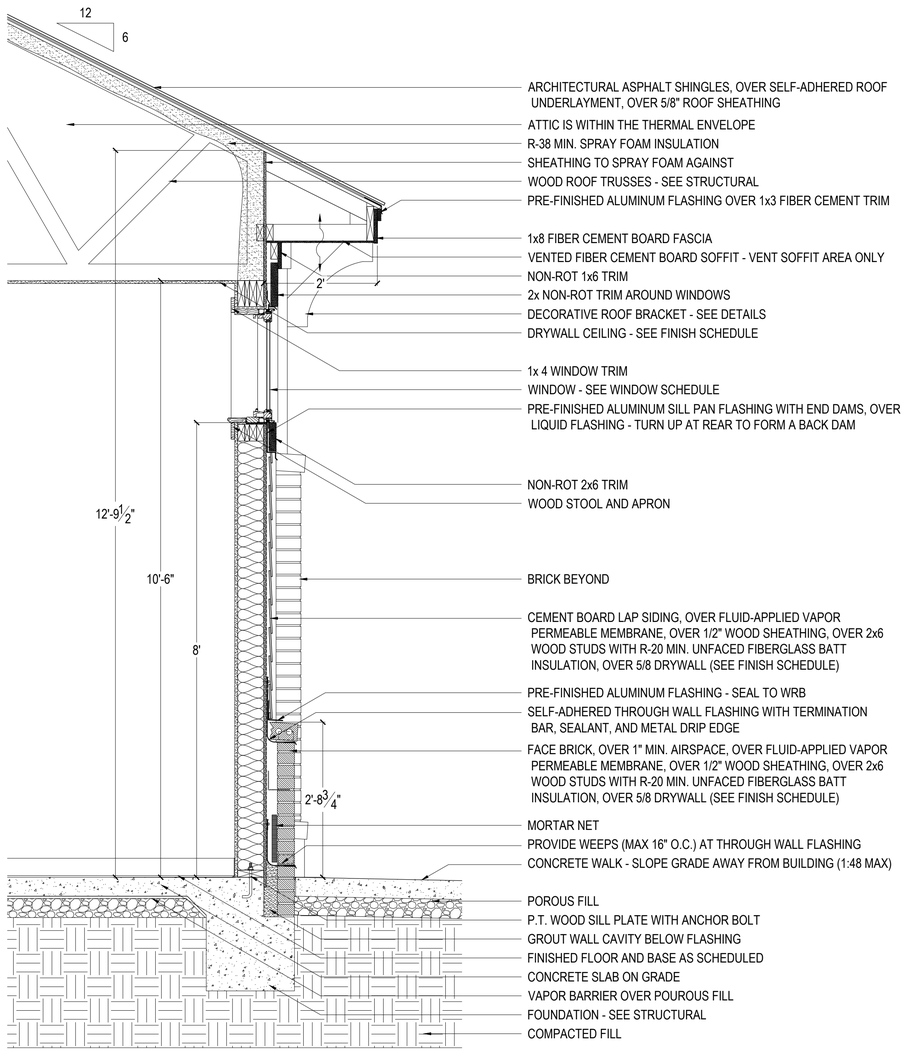
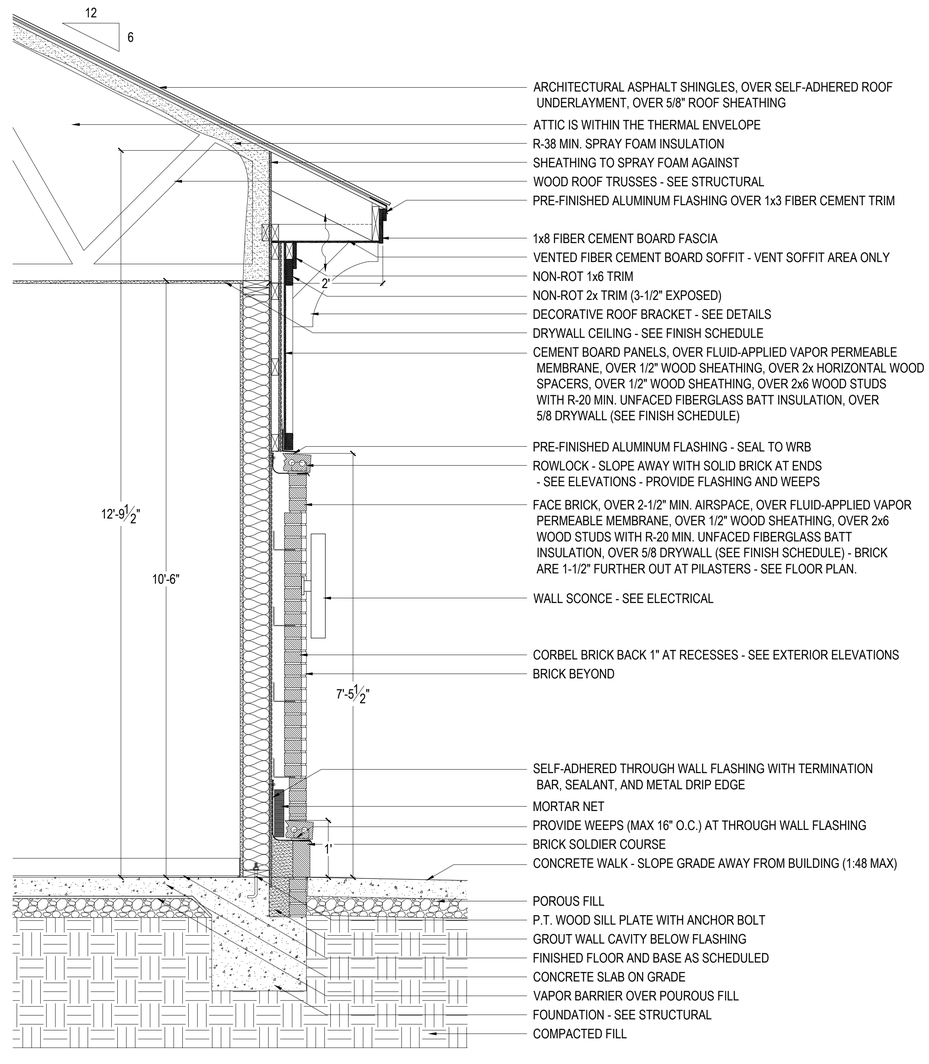
ALABAMA
REGISTERED ARCHITECT

A5.0
Sheet Number



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



2 WALL SECTION
SCALE: 3/4" = 1'-0"

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CRENSHAW COUNTY, AL

WALL SECTIONS

STATE OF ALABAMA
MONTGOMERY
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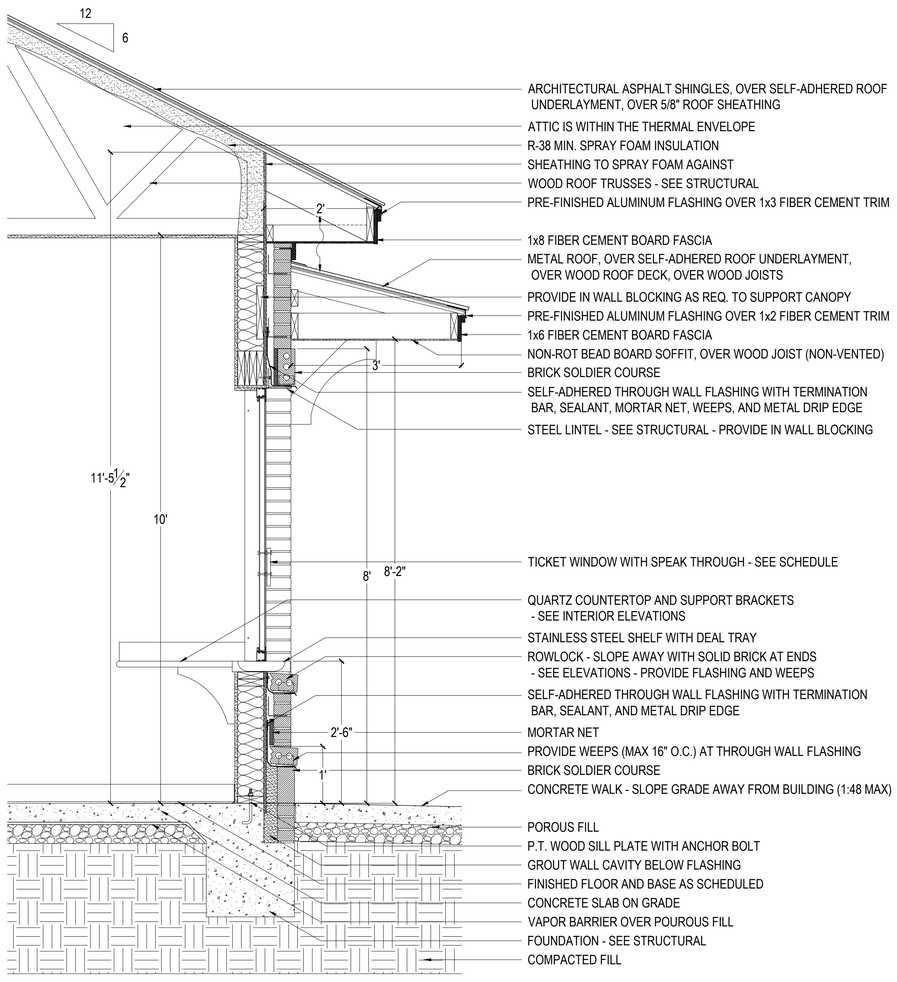
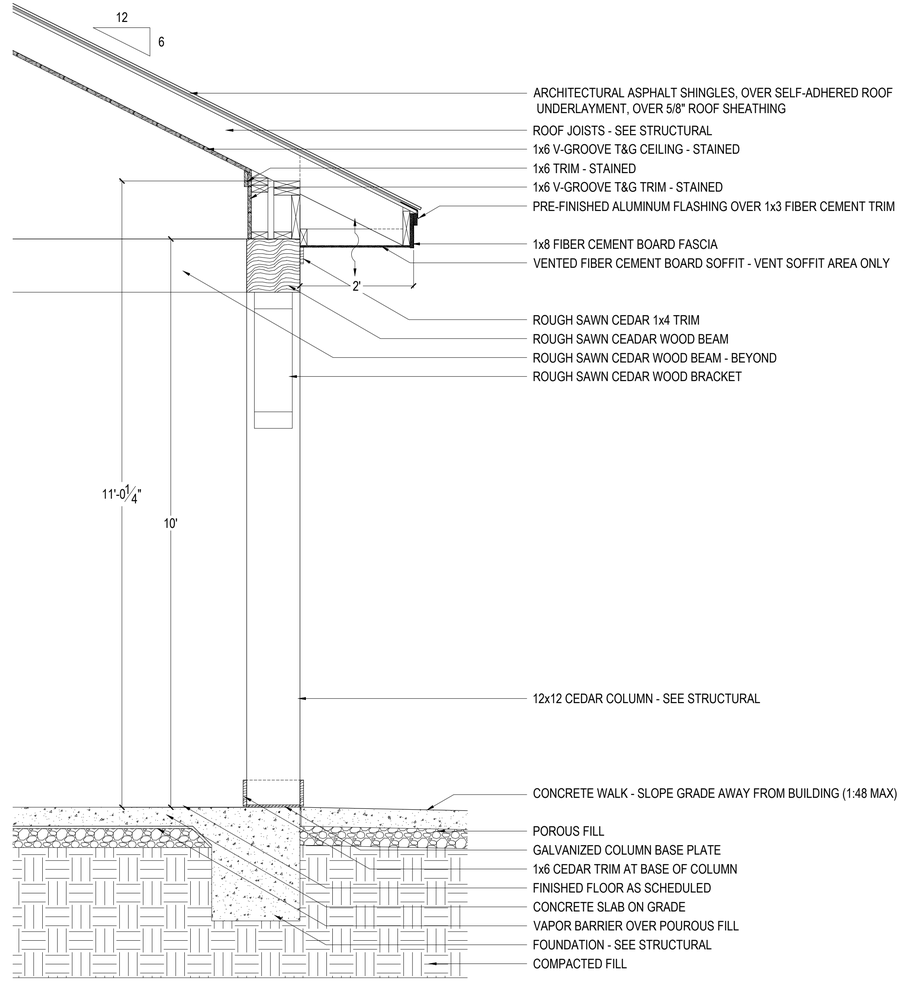
ALABAMA
REGISTERED ARCHITECT

A5.1
Sheet Number



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



2 WALL SECTION
SCALE: 3/4" = 1'-0"

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WALL SECTIONS

STATE OF ALABAMA
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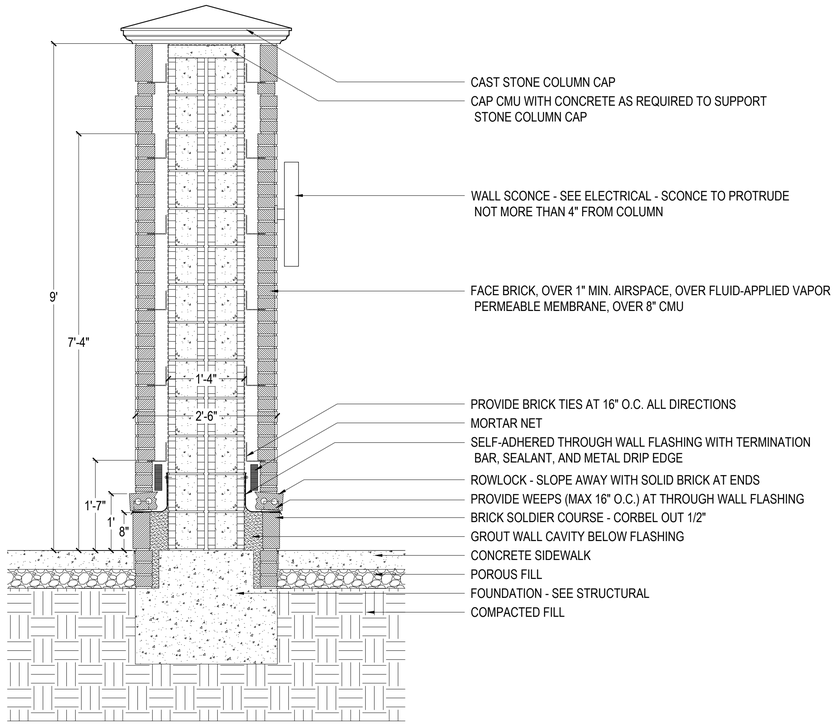
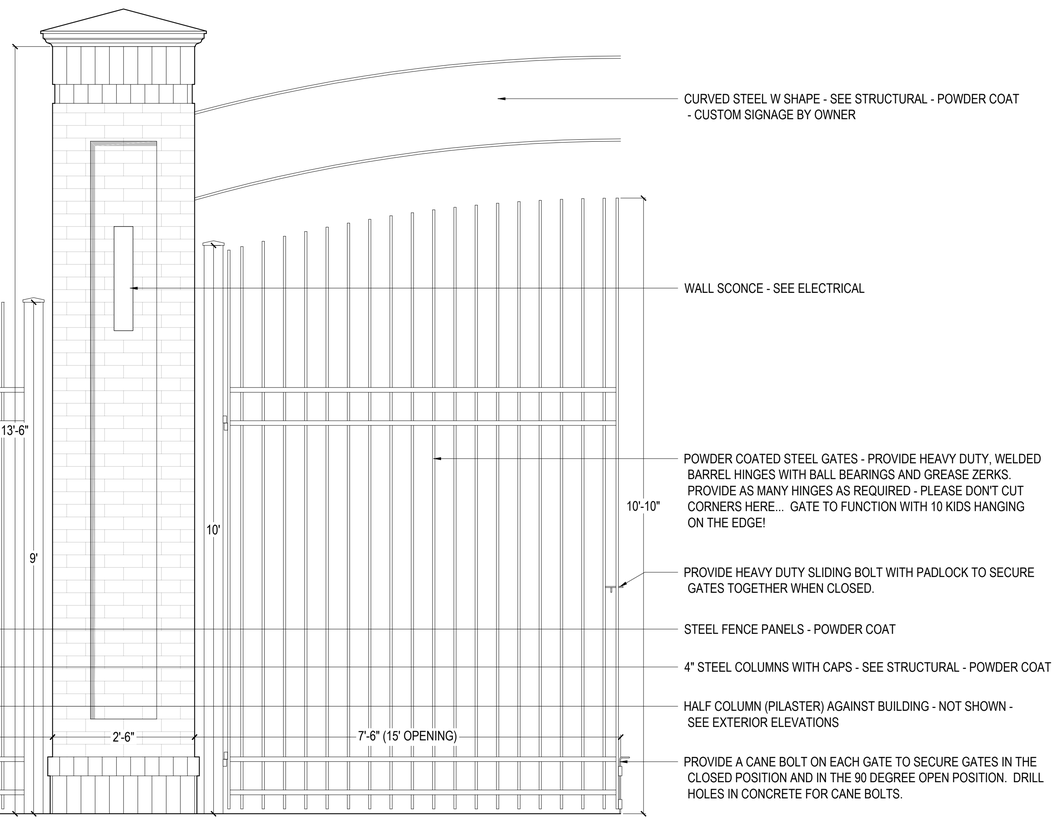
A5.2
Sheet Number



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



2 PARTIAL GATE ELEVATION
SCALE: 3/4" = 1'-0"

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GATE DETAILS

STATE OF ALABAMA
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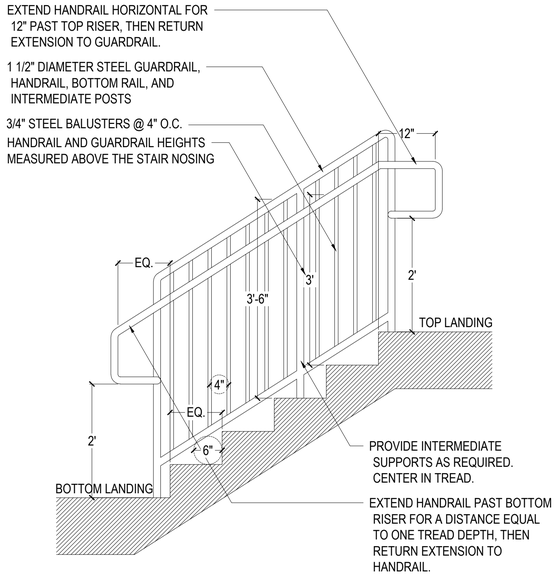
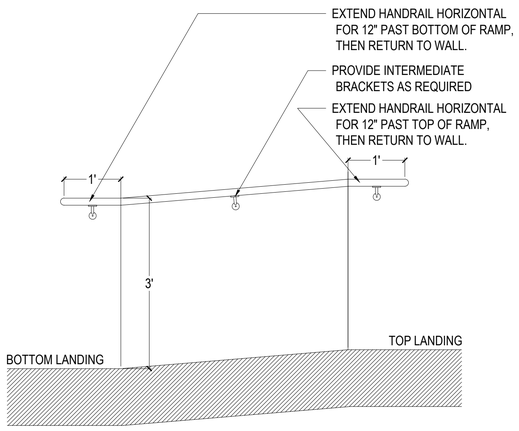
A5.3
Sheet Number



DRAWING SHOWS A TYPICAL STAIR GUARDRAIL AND HANDRAIL DIAGRAM, NOT A DEPICTION OF THE ACTUAL STAIRS. RAILING TO BE POWDER COATED. ANCHOR GUARDRAIL INTO FLOOR AS REQUIRED. GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A 4" SPHERE. TRIANGULAR OPENINGS AT STEPS SHALL RESIST PASSAGE OF A 6" SPHERE.

1 TYPICAL STAIR GUARD WITH HANDRAIL

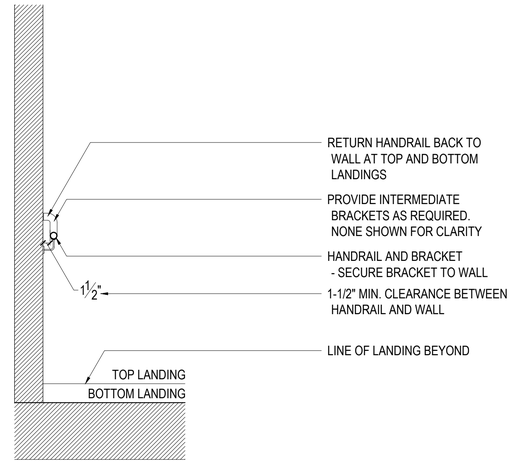
SCALE: 3/4" = 1'-0"



DRAWING SHOWS A TYPICAL RAMP HANDRAIL DIAGRAM, NOT A DEPICTION OF THE ACTUAL RAMP. HANDRAIL TO BE 1 ½" POWDER COATED TUBULAR STEEL RAIL. PROVIDE BRACKETS AS REQUIRED, ANCHORED INTO SOLID WOOD BLOCKING OR SOLID WALL. PROVIDE 1-1/2" CLEARANCE MINIMUM BETWEEN WALL AND HANDRAIL.

2 TYPICAL RAMP HANDRAIL AT WALL

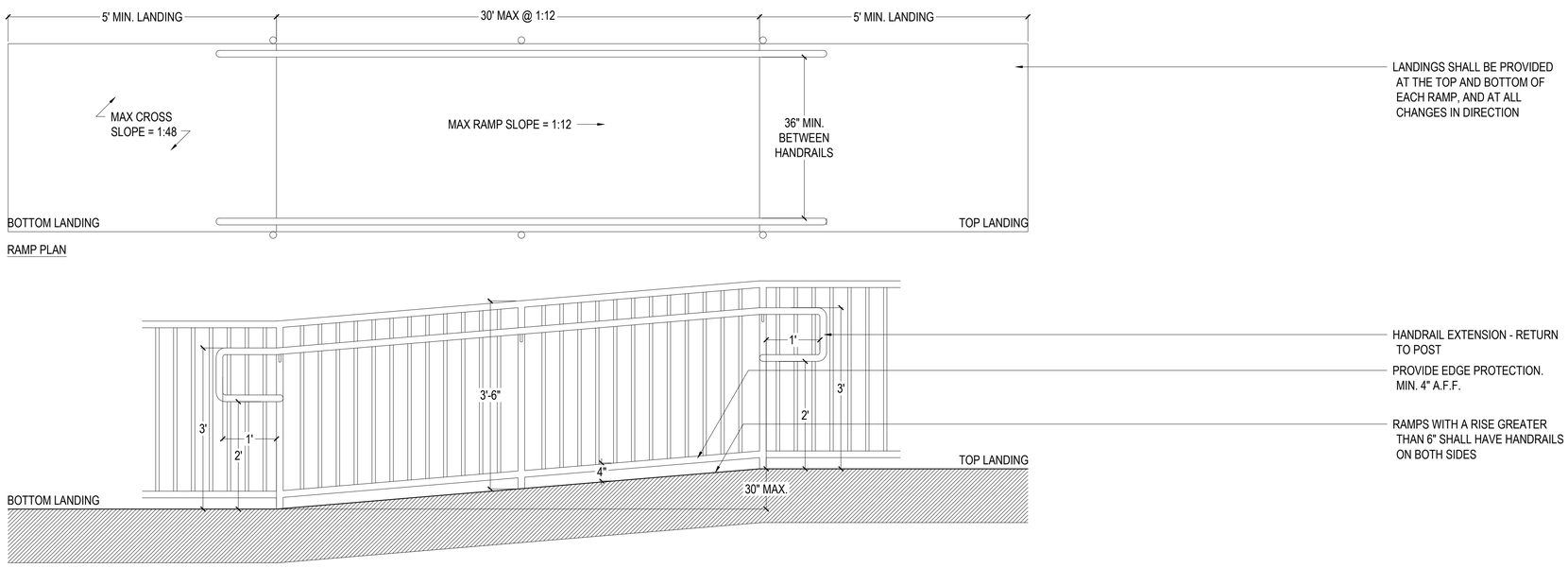
SCALE: 3/4" = 1'-0"



DRAWING SHOWS A TYPICAL RAMP HANDRAIL DIAGRAM, NOT A DEPICTION OF THE ACTUAL RAMP. HANDRAIL TO BE 1 ½" POWDER COATED TUBULAR STEEL RAIL. PROVIDE BRACKETS AS REQUIRED, ANCHORED INTO SOLID WOOD BLOCKING OR SOLID WALL. PROVIDE 1-1/2" CLEARANCE MINIMUM BETWEEN WALL AND HANDRAIL.

3 TYPICAL RAMP HANDRAIL AT WALL

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



DRAWING SHOWS A TYPICAL RAMP DIAGRAM, NOT A DEPICTION OF THE ACTUAL RAMP. RAMP SURFACE SHALL BE OF SLIP-RESISTANT MATERIALS THAT ARE SECURELY ATTACHED. GUARDRAILS ARE REQUIRED WHERE THE WALKING SURFACE IS MORE THAN 30" ABOVE ADJACENT FLOOR OR GRADE.

4 TYPICAL RAMP DETAIL WITH GUARDRAILS

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

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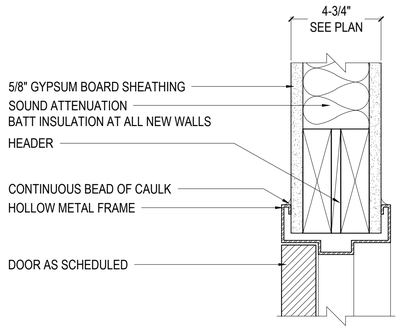
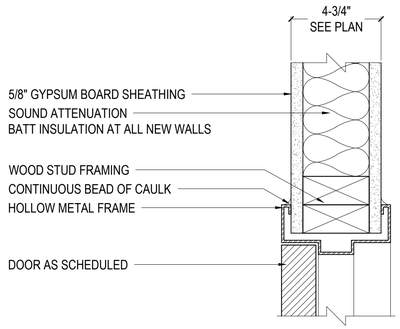
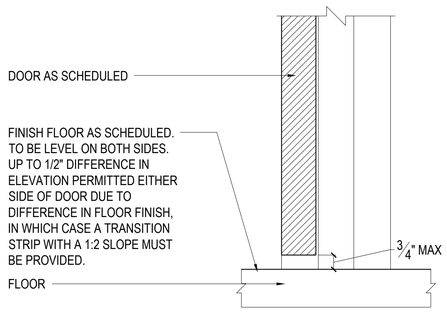


DOOR HEAD DETAIL



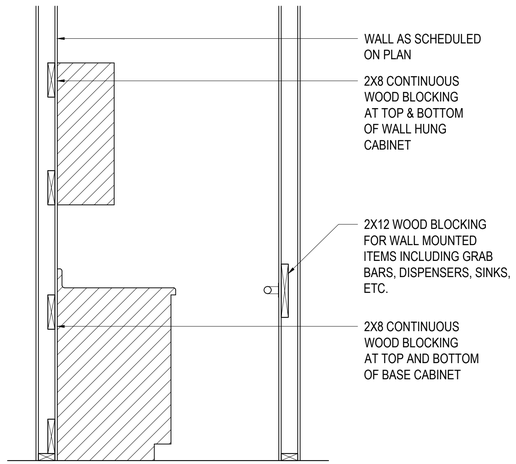
DOOR JAMB DETAIL



DOOR SILL DETAIL

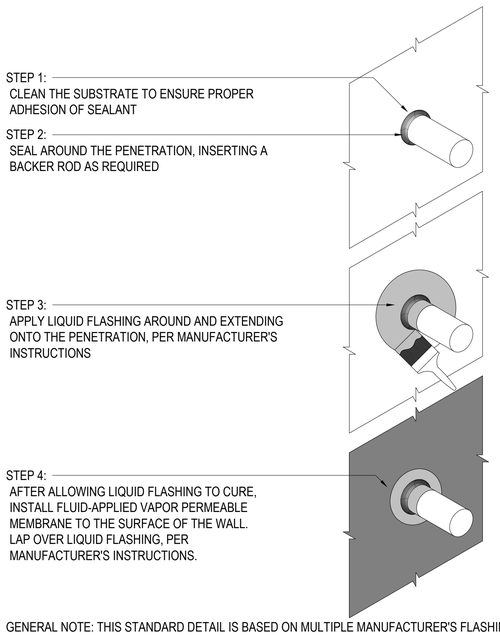
1 INTERIOR DOOR DETAILS

SCALE: 3" = 1'-0"



2 WALL BLOCKING DETAIL

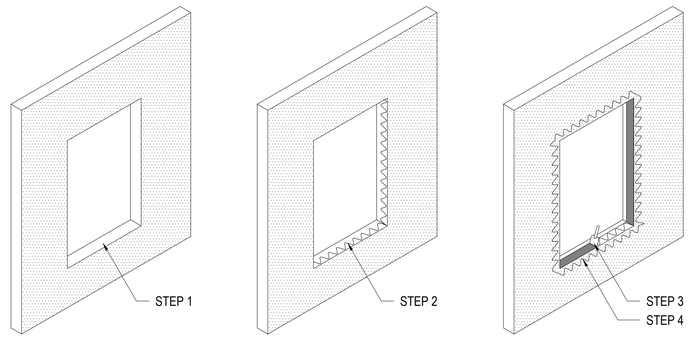
NOT TO SCALE



GENERAL NOTE: THIS STANDARD DETAIL IS BASED ON MULTIPLE MANUFACTURER'S FLASHING INSTRUCTIONS FOR WALL PENETRATIONS ABOVE GRADE. FOLLOW INSTALLATION INSTRUCTIONS OF SELECTED LIQUID FLASHING AND FLUID-APPLIED VAPOR PERMEABLE MEMBRANE. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING.

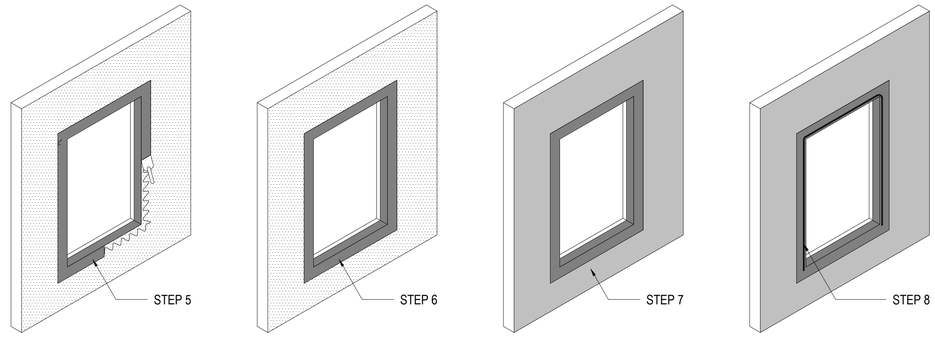
3 TYPICAL DETAIL AT WRB PENETRATIONS

NOT TO SCALE

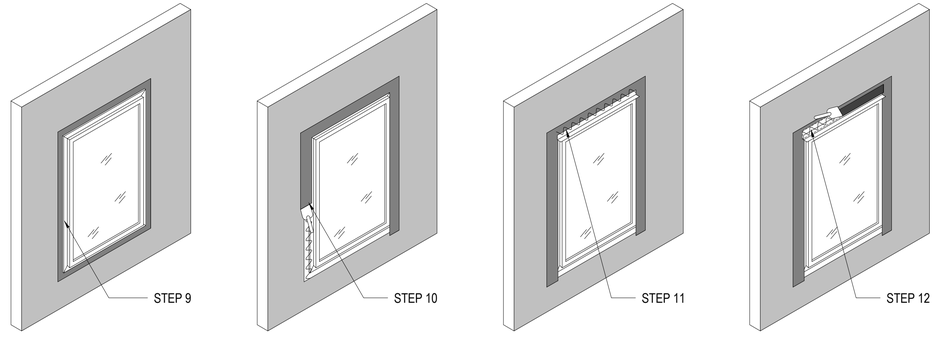


GENERAL NOTE: THIS STANDARD DETAIL IS BASED ON MULTIPLE MANUFACTURER'S FLASHING INSTRUCTIONS FOR A FLANGED WINDOW ABOVE GRADE. FOLLOW INSTALLATION INSTRUCTIONS OF SELECTED LIQUID FLASHING, FLUID-APPLIED VAPOR PERMEABLE MEMBRANE, AND WINDOW MANUFACTURERS. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING.

VIEW FROM OUTSIDE
STEP 1: CLEAN AND PREP OPENING. PRE-FILL ANY JOINTS OR CRACKS LARGER THAN 1/4". FOLLOW MANUFACTURER'S INSTRUCTIONS FOR USE OF SELF-ADHERED FLASHING OR MESH AT OPENING.
STEP 2: APPLY LIQUID FLASHING INSIDE OPENING.
STEP 3: TROWEL SMOOTH, ENSURING THE MINIMUM REQUIRED THICKNESS IS PROVIDED, PER MANUFACTURER.
STEP 4: APPLY LIQUID FLASHING TO THE VERTICAL SURFACE, ALONG THE PERIMETER OF THE OPENING.



VIEW FROM OUTSIDE
STEP 5: TROWEL SMOOTH, ENSURING THE MINIMUM REQUIRED THICKNESS IS PROVIDED, PER MANUFACTURER.
STEP 6: ALLOW LIQUID FLASHING TO DRY COMPLETELY BEFORE PROCEEDING.
STEP 7: APPLY FLUID-APPLIED VAPOR PERMEABLE MEMBRANE. LAP OVER LIQUID FLASHING, PER MANUFACTURER'S INSTRUCTIONS.
STEP 8: INSTALL A CONTINUOUS BEAD OF CAULK AROUND THE JAMB AND HEAD OF THE OPENING WHERE THE WINDOW FLANGE WILL SET. DO NOT INSTALL CAULK AT THE WINDOW SILL - DOING SO WOULD TRAP WATER.



VIEW FROM OUTSIDE
STEP 9: INSTALL WINDOW PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
STEP 10: APPLY LIQUID FLASHING AROUND THE TOP AND SIDES OF THE WINDOW. DO NOT INSTALL ALONG THE BOTTOM OF THE WINDOW.
STEP 11: INSTALL DRIP CAP FLASHING. APPLY LIQUID FLASHING ALONG TOP EDGE OF FLASHING.
STEP 12: TROWEL SMOOTH, ENSURING THE MINIMUM REQUIRED THICKNESS IS PROVIDED , PER MANUFACTURER.

4 FLANGED WINDOW FLASHING

NOT TO SCALE

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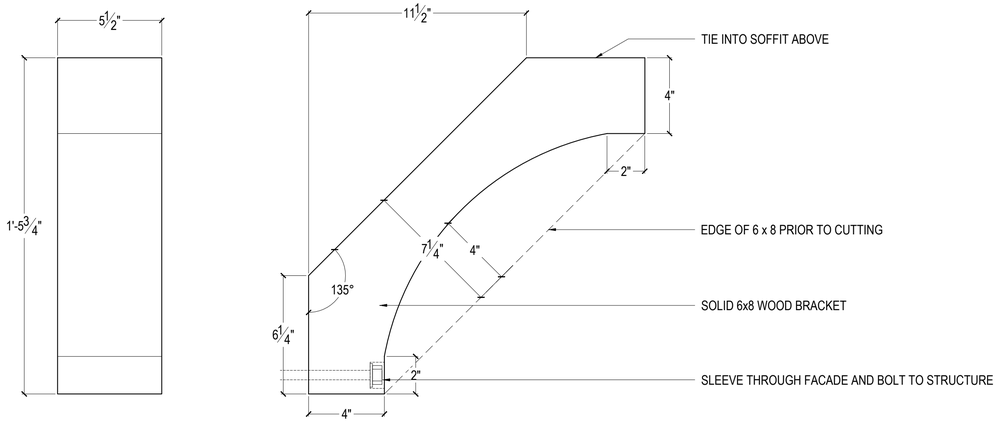
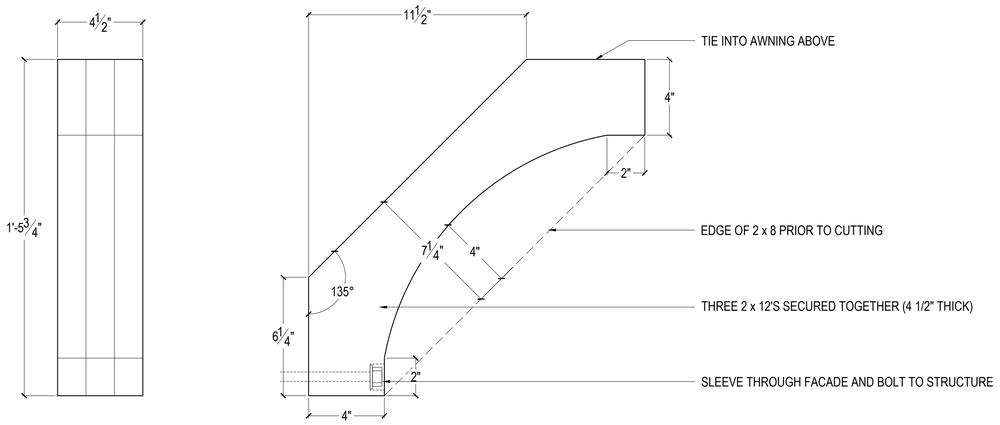


NOTES: BRACKETS CAN BE CUT FROM 6x8's.
CONSULT ARCHITECT WITH ANY QUESTIONS
PRIOR TO PROCEEDING. FIELD CONDITIONS TO BE
VERIFIED PRIOR TO FABRICATION. MINOR
ADJUSTMENTS MAY BE REQUIRED.

1 WOOD BRACKET #1

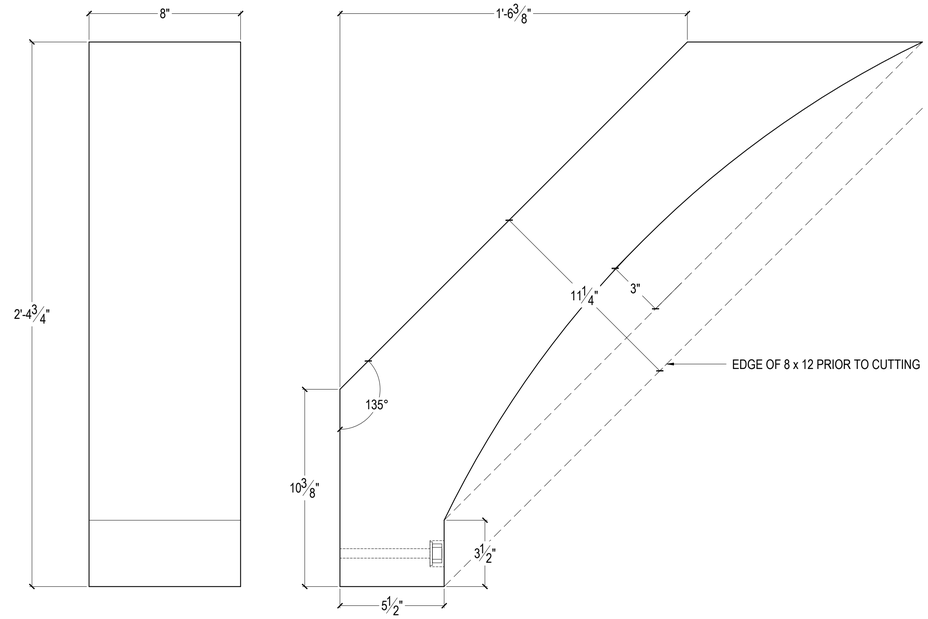
SCALE: 3" = 1'-0"



NOTES: BRACKETS CAN BE CUT FROM 2x8's.
CONSULT ARCHITECT WITH ANY QUESTIONS
PRIOR TO PROCEEDING. FIELD CONDITIONS TO BE
VERIFIED PRIOR TO FABRICATION. MINOR
ADJUSTMENTS MAY BE REQUIRED.

2 WOOD BRACKET #2

SCALE: 3" = 1'-0"



NOTES: BRACKETS CAN BE CUT FROM 8x12's.
CONSULT ARCHITECT WITH ANY QUESTIONS
PRIOR TO PROCEEDING. FIELD CONDITIONS TO BE
VERIFIED PRIOR TO FABRICATION. MINOR
ADJUSTMENTS MAY BE REQUIRED.

3 WOOD BRACKET #3

SCALE: 3" = 1'-0"

NOTE:
ALL BRACKETS TO BE CUT FROM ROUGH SAWN
CEDAR. MINOR ADJUSTMENTS MAY BE REQUIRED
FOR ALL BRACKETS, BASED UPON FIELD
CONDITIONS. CONSULT ARCHITECT WITH ANY
QUESTIONS PRIOR TO PROCEEDING.

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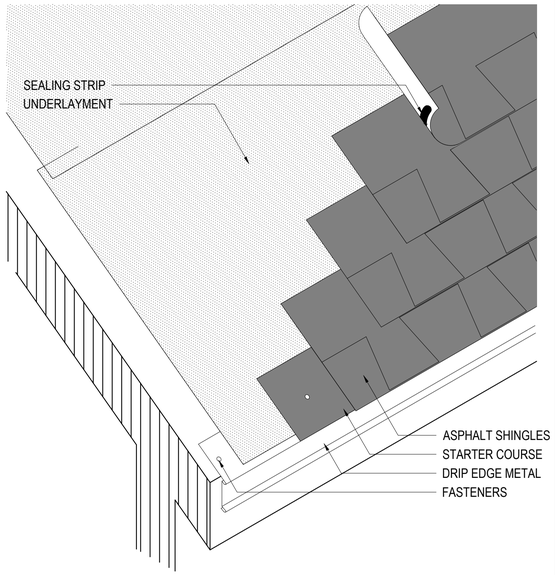
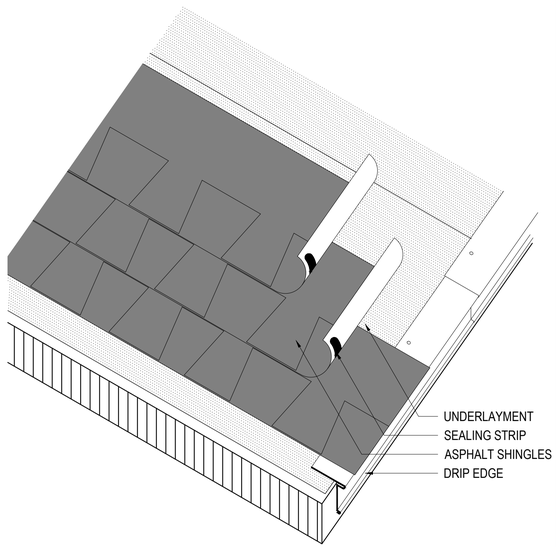
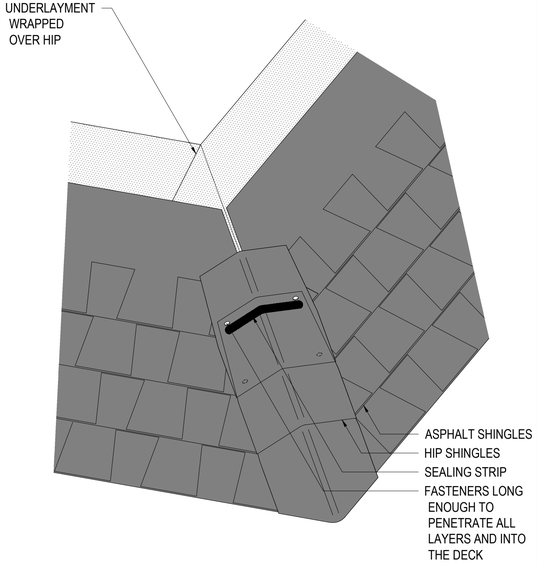


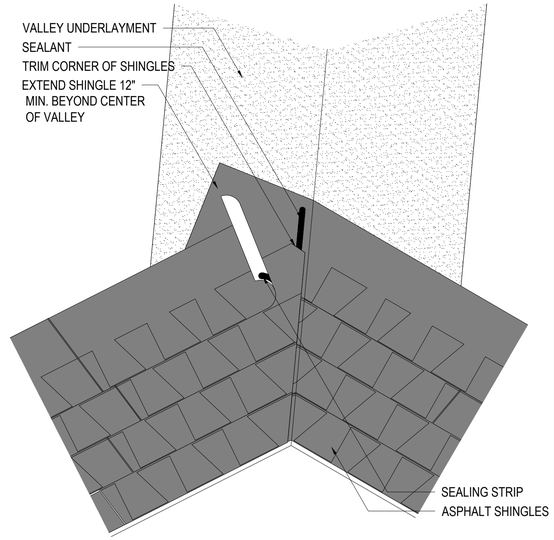
1 EAVE DETAIL
SCALE: 3" = 1'-0"



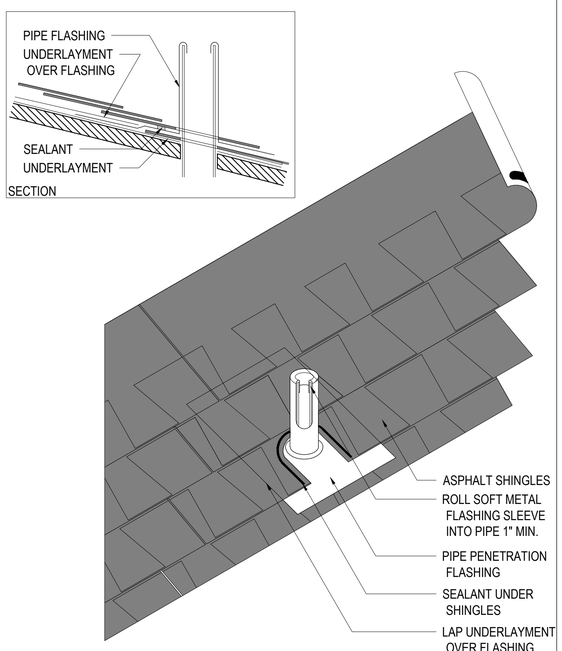
2 RAKE DETAIL
SCALE: 3" = 1'-0"



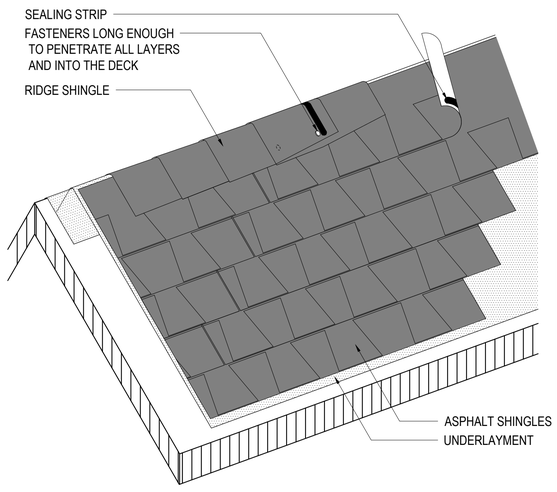
3 HIP DETAIL
SCALE: 3" = 1'-0"



4 CLOSED-CUT VALLEY DETAIL
SCALE: 3" = 1'-0"



5 VENT PIPE PENETRATION
SCALE: 3" = 1'-0"



6 NON-VENTED RIDGE DETAIL
SCALE: 3" = 1'-0"

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MECHANICAL SPECIFICATIONS & GENERAL NOTES

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.
2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. SUBMITTING A BID, THIS CONTRACTOR VERIFIES THAT EXISTING CONDITIONS HAVE BEEN VERIFIED.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. EQUIPMENT SHALL BE AS SCHEDULED PER MODEL NUMBER GIVEN OR AN APPROVED EQUAL. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT OR OTHERWISE PAY THE HOURLY ADD-SERVICE FEE TO HAVE THE ENGINEER SCAN THEM.
4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK.
7. UNLESS NOTED OTHERWISE, DISCONNECTS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
8. STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY MANUFACTURER OR MECHANICAL CONTRACTOR.
9. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
10. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
11. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
12. DUCT: EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER, UL LISTED 181A OR 181B FOR TAPES AND MASTICS. DO NOT USE DUCT TAPE OR DUCTBOARD. SHEETMETAL DUCT SHALL BE USED FOR ALL EXHAUST DUCTS, EXCEPT AS REQUIRED FOR CONNECTION TO A UNIT.
13. DUCT INSULATION, FIBERGLASS DUCT WRAP, WITH FOIL FACED VAPOR BARRIER INSULATION SHALL BE U.L. LISTED. PROVIDE R-6 MINIMUM (HIGHER IF REQUIRED PER ENERGY CODE) INSULATION BY JOHNS MANVILLE, OWENS CORNING, OR EQUAL. IF DUCTWORK SUPPORT STRAPS ARE ATTACHED TO THE DUCT THEN LOCATE STRAPS INSIDE THE INSULATION AND SEAL WITH MASTIC AT PUNCTURE. ALL PUNCTURES (STAPLES) AND PENETRATIONS OF THE FOIL VAPOR BARRIER SHALL BE SEALED AIRTIGHT WITH FOIL TAPE AND/OR MASTIC. MASTIC MUST BE APPLIED THICK ENOUGH TO COMPLETELY COVER STAPLES. PERIMETER JOINTS SHALL BE FORMED SUCH THAT THE INSULATION ON THE TOP OF THE DUCT OVERLAPS THE INSULATION ON THE SIDES AND THE SIDES OVERLAP THE BOTTOM. DO NOT COMPRESS THE INSULATION WITH TRAPEZE TYPE HANGERS - WHERE NECESSARY PROVIDE RIGID BOARD INSULATION (6LB DENSITY) THE SAME THICKNESS AS THE INSULATION INSERTED INTO THE INSULATION AT THE HANGER.
14. ALL DUCTWORK SHALL BE CONSTRUCTED BY THE LATEST GUIDELINES OF SMACNA . DUCT AND EQUIPMENT SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS . ALL EXHAUST DUCT UNDER A NEGATIVE PRESSURE AND ALL RETURN DUCT LOCATED IN CEILING PLENUMS SHALL BE CONSTRUCTED TO A MINIMUM PRESSURE CLASS OF NEGATIVE ½" AND ALL JOINTS SHALL BE SEALED TO A SEAL CLASS OF "C" AS DEFINED BY SMACNA. SUPPLY (CONDITIONED AIR) DUCT SHALL BE CONSTRUCTED TO A PRESSURE CLASSIFICATION OF 1" AND SEALED TO A CLASS "C".
15. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE TO ACCOMMODATE LINER. ROUND OR RECTANGULAR DUCT MAY BE USED INTERCHANGEABLY IN CONCEALED AREAS AS LONG AS THE STATIC PRESSURE IN THE DUCT IS NOT INCREASED. PERMISSION SHALL BE OBTAINED FOR CHANGING EXPOSED DUCT.
16. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM, INCLUDING THE EXHAUST AND RETURN AIR SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL. TESTING AGENCY SHALL BE AABC OR NEBB CERTIFIED. EXHAUST AND RETURN SYSTEMS UNDER NEGATIVE PRESSURE SHALL NOT EXCEED BY MORE THAN 10% FOR EACH FAN AND BY NO MORE THAN 10% AT EACH INLET OF THE VALUES INDICATED ON THE DRAWINGS.
17. REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS. ALL MULTI-ZONE/SPLIT REFRIGERANT PIPING SHALL BE INSULATED PER THE MANUFACTURE'S RECOMMENDED THICKNESSES AND TYPE (SUCTION & LIQUID). SLIDE OVER TUBING WITHOUT CUTTING. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE. ALL SEAMS AND JOINTS MUST BE SEALED COMPLETELY. PROVIDE INSULATION PIPE HANGER OR CLAMP SUPPORTS TO AVOID COMPRESSION OF INSULATION. SUPPORTS SHALL BE EQUAL TO ARMACELL ARMAFIX INSULATION PIPE HANGERS. DO NOT LEAVE SECTIONS OF PIPE UN-INSULATED. ALL INSULATION LOCATED OUTSIDE SHALL HAVE TWO COATS OF WEATHER RESISTANT LIQUID COATING WHICH SHALL BE A SOLUTION SUCH AS WB/ARMAFLEX FINISH, FOSTER TITE-FIT COATING OR AS RECOMMENDED BY THE INSULATION MANUFACTURER. INSULATE THE VAPOR (SUCTION) LINE THE ENTIRE LENGTH. INSULATE (SAME AS SUCTION LINE) THE LIQUID LINE WHERE ROUTED IN ATTICS. ROUTE PIPE AS STRAIGHT AS POSSIBLE BETWEEN THE CONNECTED UNITS AND PROVIDE FOR SHORTEST DISTANCE POSSIBLE. PIPE SHALL BE SUPPORTED OUTSIDE ON GRADE AND WITH PIPE CLAMPS OR HANGERS ATTACHED TO UNISTRUT OR CHANNEL SUPPORTS. DO NOT ALLOW SUPPORTS AND PIPE OF DISSIMILAR METALS TO BE IN CONTACT WITH EACH OTHER. CONTRACTORS SHALL OBTAIN (IN WRITING FROM MANUFACTURER) THEIR RECOMMENDATION FOR PIPE SIZING AND ROUTING. DO NOT ALLOW THE LIQUID AND VAPOR (SUCTION) LINES TO COME IN CONTACT WITH EACH OTHER. WHERE PIPE PENETRATES A WALL, PROVIDE A SLEEVE AND SEAL (AROUND THE SLEEVE AND BETWEEN THE PIPE AND SLEEVE) APPROPRIATELY (WEATHER TIGHT, FIRE CAULK IN A FIRE-RATED OR DRAFT STOP WALL). USE STEEL SLEEVE IN FIRE-RATED WALL AND AS STATED BY CODE. ALL INSTALLATION MEANS AND METHODS SHALL BE APPROVED BY THE MANUFACTURER, INCLUDING LINE LENGTHS.
18. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS.
19. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.
20. THERMOSTATS SHALL NOT HAVE MERCURY. MOUNT THERMOSTATS 46" AFF UNLESS NOTED OTHERWISE.
21. ALL EQUIPMENT SHALL BE LABELED WITH BAKELITE PLASTIC ENGRAVED NAMEPLATES WITH MINIMUM 1" LETTERING.
22. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM.
23. ACCESS DOORS IN CEILINGS/WALLS SHALL BE A MINIMUM OF 12X12, HINGED, AND FIRE RATED TO MATCH CEILING/WALL RATING. DUCT ACCESS DOORS SHALL BE DOUBLE WALL IF INSTALLED ON SUPPLY DUCT, AND PROVIDED WITH THUMB LATCHES FOR AN AIR TIGHT FIT.
24. WHERE INDICATED IN THE SCHEDULES, SPECIFICATIONS, OR DETAILS, PROVIDE MVDs AT ALL SUPPLY TAKE-OFFS TO DIFFUSERS EVEN IF NOT SHOWN ON PLANS. LOCATE AT MOST PRACTICAL AND ACCESSIBLE LOCATION. IF ABOVE OR IN INACCESSIBLE AREA, PROVIDE ACCESS PANELS OR OTHER MEANS APPROVED BY THE ARCHITECT. WHERE BALANCING DAMPERS ARE ALSO PROVIDED AT THE SUPPLY GRILLE/DIFFUSER (SEE SCHEDULE), BALANCE THE SYSTEM WITH THE DAMPER AT THE TAKE-OFF (NOT AT GRILLE). GRILLE DAMPER SHOULD BE 100% OPEN AFTER TEST AND BALANCE.
25. DO NOT USE TURNING VANES ON RETURN, EXHAUST, OR OA DUCT ELBOWS UNLESS NOTED OR SHOWN AS INSTALLED. INSTEAD USE STANDARD RADIUS ELBOWS.
26. WHEN NOT NOTED, ROUTE DUCTS IN BETWEEN JOIST SPACE FOR BOTTOM FLOOR AIR DISTRIBUTION. OTHERWISE, ALL DUCTWORK WILL BE ABOVE STRUCTURE (IN ATTICS).
27. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT ALL EXISTING CONDITIONS OR ACTUAL ROUTING. CONTRACTOR SHALL HAVE LATITUDE TO ADJUST ROUTING AS REQUIRED WHILE REMAINING CODE COMPLIANT. ENGINEER SHALL REVIEW ANY MAJOR DEVIATIONS FROM PLAN IF REQUIRED BY AHJ.
28. CONTROLS:
    A. EXHAUST FANS TO OPERATE PER DRAWING SCHEDULES.
    B. ALL DUCTLESS MINI/MULTI-SPLIT INDOOR UNITS SHALL OPERATE SUBJECT TO THEIR RESPECTIVE WALL-CONTROLLERS (SEE PLANS).

SPLIT-SYSTEM HEAT PUMP (INDOOR UNIT) SCHEDULE

MARK	LOCATION	CAPACITY (NOM.)	FAN AIRFLOW TOT.	FAN AIRFLOW OA (MIN.)	FAN E.S.P.	FAN [HP]	COOLING CAP. (MIXED AIR.) TOT.	SENS.	EAT	EAT	LAT	ELECTRIC (AUX.) HEATING @ 208V/3ph CKT #1	CKT #2	LAT	ELECTRICAL DATA UNIT	MCA	MFS	BASIS-OF-DESIGN	NOTES
		[TONS]	[CFM]	[CFM]	[IN. W.G.]		[MBH]	[MBH]	[°F DB]	[Fwb]	[°F DB]	kW	kW	[°F DB]	V/PH/Hz	[AMPS]	[AMPS]		
AHU-1	MECH/ELEC 04	4	1640	140	0.50	3/4	48.4	36.4	80.0	67.0	57.6	7.2	--	90.0	208/3/60	32	35	TRANE: GAM5	1~10
AHU-2	MECH/ELEC 18	3	1235	145	0.50	1/2	36.0	27.3	80.0	67.0	59.2	7.2	--	90.0	208/3/60	30	30	TRANE: GAM5	1~10

ACCESSORIES/OPTIONS:

1. PROVIDE MATCHING DUAL-COMPRESSOR CONDENSING UNIT HEAT PUMP TO ACHIEVE SCHEDULED SEER.
2. INDOOR UNIT(S) SHALL BE FACTORY-WIRED FOR SCHEDULED CIRCUITING (HEATER & FAN).
3. DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
4. PROVIDE WITH R-410A CASED COIL & TXV.
5. PROVIDE TOUCH-SCREEN, 24/7 PROGRAMMABLE THERMOSTAT WITH SUBBASE.
6. RESERVED
7. PROVIDE AUXILIARY DRAIN PAN AND SWITCH UNDER AHU.
8. FURNISH & INSTALL DUCT SMOKE DETECTOR IN **SUPPLY** DUCT (IF REQ'D).
9. SUSPEND UNIT ON VIBRATION ISOLATION HANGERS AND ALLOW ROOM FOR TRAPS & AUX. DRAIN PANS (WHERE SCHEDULED).
10. OTHER APPROVED MFRS: CARRIER, LENNOX.

** INDOOR FAN/MOTOR AMPS ARE INCLUDED IN AUX. HEATER CIRCUIT #1

MULTI-PORT SYSTEM SCHEDULE (INDOOR UNITS)

MARK INDOOR	MARK OUTDOOR	SERVES	TYPE	AIRFLOW (HI) [CFM]	AIRFLOW OUTDOOR [CFM]	CAPACITY COOLING [BTU/HR]	CAPACITY HEATING [BTU/HR]	ELECTRICAL [V/ph/Hz]	MCA [A]	MOCP [A]	BASIS-OF-DESIGN	NOTES:
MSI-1	MSO-1	DRESSING 01	WALL-MTD	353	N/A	15000	17000	208/1/60	0.24	15	TRANE/MITSU: TPKFY-P015LM	1~6,8,9,10
MSI-2		BOY'S RR 02	WALL-MTD	920	N/A	30000	34000	208/1/60	0.63	15	TRANE/MITSU: TPKFY-P030KM	1~6,8,9,10
MSI-3	MSO-2	GIRL'S RR 03	WALL-MTD	920	N/A	30000	34000	208/1/60	0.63	15	TRANE/MITSU: TPKFY-P030KM	1~6,8,9,10
MSI-4		DRESSING 04	WALL-MTD	353	N/A	15000	17000	208/1/60	0.24	15	TRANE/MITSU: TPKFY-P015LM	1~6,8,9,10
MSI-5	MSO-3	MEN 19	WALL-MTD	920	N/A	30000	34000	208/1/60	0.63	15	TRANE/MITSU: TPKFY-P030KM	1~6,8,9,10
MSI-6		WOMEN 20	WALL-MTD	920	N/A	30000	34000	208/1/60	0.63	15	TRANE/MITSU: TPKFY-P030KM	1~6,8,9,10

NOTES/ACCESSORIES:

1. INDOOR EVAPORATOR UNIT, UNITS NOT POWERED FROM ODU (REQUIRES SEPARATE CKT/BREAKER).
2. MATCHING R-410A, AIR-COOLED CONDENSING UNIT, INVERTER COMPRESSOR
3. RATED COOLING CAPACITIES BASED ON EAT OF 80/67 DEG F, OUTDOOR 95 DEG F
4. RATED HEATING CAPACITIES BASED ON EAT OF 70 DEG F, OUTDOOR 47/43 DEG F
5. PROVIDE CONDENSATE LIFT PUMP, WHERE REQUIRED.
6. INSTALL IN-LINE TRAP EQUAL TO RECTORSEAL EZT180 IN EACH RESPECTIVE INDOOR UNIT DRAIN LINE PER IMC 307.
7. FIELD-FAB MIXING BOX/PLENUM, CONNECT OUTSIDE AIR AS SHOWN WITH VOLUME DAMPER(S).
8. WIRED REMOTE CONTROLLER (TAR41MAA)
9. RESERVED
10. APPROVED EQUALS: DAIKIN, LG

MULTI-PORT SYSTEM SCHEDULE (OUTDOOR UNITS)

MARK	TYPE	RATED CAPACITY COOLING [BTU/HR]	RATED CAPACITY HEATING [BTU/HR]	ELECTRICAL [V/ph/Hz]	MCA [A]	MOCP [A]	SEER2	BASIS-OF-DESIGN	NOTES:
MSO-1	HEAT PUMP	48,000	50,000	208/1/60	29.0	30	23.0	TRANE/MITSU: NTXMSM48A	1~6
MSO-2	HEAT PUMP	48,000	50,000	208/1/60	29.0	30	23.0	TRANE/MITSU: NTXMSM48A	1~6
MSO-3	HEAT PUMP	60,000	66,000	208/1/60	36.0	50	20.0	TRANE/MITSU: NTXMSM60A	1~6

NOTES/ACCESSORIES:

1. RATED COOLING CAPACITIES BASED ON EAT OF 80/67 DEG F, OUTDOOR 95 DEG F
2. RATED HEATING CAPACITIES BASED ON EAT OF 70 DEG F, OUTDOOR 47 DEG F
3. SET OUTDOOR UNIT ON 2x TIMBERS, RAILS OR CONRETE PAD, AS SHOWN ON PLANS.
4. SYSTEMS TO UTILIZE "Y-JOINTS" SEE DRAWINGS.
5. RESERVED
6. APPROVED EQUALS: DAIKIN, LG

FAN SCHEDULE

MARK	SERVICE	LOCATION (MOUNTING)	AIRFLOW [CFM]	EXT. S.P. [IN. W.G.]	FRPM [RPM]	SOUND (MAX.) [SONES]	WEIGHT (APPROX.) [LBS]	ELECTRICAL MOTOR [HP] (or WATTS)	ELECTRICAL FLA [AMPS]	ELECTRICAL POWER V/Ph/Hz	INTERLOCK WITH:	BASIS-OF-DESIGN	ACCESSORIES
EF-1	BOYS RR/DRESSING 02/01	IN-LINE (DUCT)	520	0.375	1,041	5	40	(253)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: CSP-A710	1~9
EF-2	JAN. 03	CEILING (CABINET)	75	0.375	950	5	30	(16)	SEE MFR.	120/1/60	WALL SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9
EF-3	RESTROOM 08	CEILING (CABINET)	100	0.375	950	5	30	(17)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9
EF-4	FAMILY RR 12	CEILING (CABINET)	75	0.375	950	5	30	(16)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9
EF-5	GIRLS RR/DRESSING 13/14	IN-LINE (DUCT)	520	0.375	1,041	5	40	(253)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: CSP-A710	1~9
EF-6	MECH/ELEC 18	CEILING (CABINET)	75	0.375	950	5	30	(16)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: SP-A110	1~9
EF-7	MEN 19	IN-LINE (DUCT)	490	0.375	1,041	5	40	(253)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: CSP-A710	1~9
EF-8	WOMEN 20	IN-LINE (DUCT)	490	0.375	1,041	5	40	(253)	SEE MFR.	120/1/60	LIGHT SWITCH (SEE ELEC.)	GREENHECK: CSP-A710	1~9

ACCESSORIES/OPTIONS:

1. UL/Cul 507 LISTED - ELECTRIC FAN
2. BACKDRAFT DAMPER (SHIPPED LOOSE), IF NOT INTEGRAL
3. NEMA 1 TOGGLE DISCONNECT, JUNCTION BOX MOUNTED & WIRED
4. SPEED CONTROLLER, IF AVAILABLE (FOR BALANCING)
5. HANGING RODS, VIBRATION ISOLATORS
6. ALUMINUM CEILING GRILLE
7. PITCHED ROOF JACK OR WALL CAP (SEE DRAWINGS)
8. ROUND DUCT CONNECTION KIT
9. OTHER APPROVED MFRS: PENN, COOK

SPLIT-SYSTEM HEAT PUMP (OUTDOOR UNIT) SCHEDULE

MARK	LOCATION	CAPACITY (NOMINAL) [TONS]	COOLING CAP. TOT. [MBH]	COOLING CAP. SENS. [MBH]	AMBIENT OAT [°F DB]	ELECTRICAL DATA POWER V/PH/Hz	MCA [AMPS]	MFS [AMPS]	COMPR. 1 RLA [AMPS]	COMPR. 1 LRA [AMPS]	COMPR. 2 RLA [AMPS]	COMPR. 2 LRA [AMPS]	OUT. FAN QTY.	OUT. FAN FLA (EA.) [AMPS]	SEER2 (MIN.)	BASIS-OF-DESIGN	NOTES
HP-1	GROUND (PAD)	4	48.4	36.4	95	208/3/60	18	30	13.7	82.1	--	--	1	1.1	14.5	TRANE: 4TWA4	1~6
HP-2	GROUND (PAD)	3	36.0	27.3	95	208/3/60	15	20	9.9	70.0	--	--	1	0.8	14.5	TRANE: 4TWA4	1~6

ACCESSORIES/OPTIONS:

1. SEER & HSPF RATINGS BASED ON ARI 210/240; EER RATINGS BASED ON ARI 340/360; COP BASED ON ARI 340/360 @ 47°F DB / 43°F WB.
2. SYSTEM SHALL MEET NEW DOE2 (2023) EFF. STANDARDS, IF APPLICABLE.
3. SECURE CONDENSING UNIT(S) TO CONCRETE PAD, 4" THICK W/ 6" (MIN.) CLEAR ALL AROUND.
4. DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
5. CONTRACTOR SHALL SIZE REFRIGERANT PIPING PER MFR. ACCORDING TO LENGTHS AND SPECIALTIES REQUIRED (SITE GLASS, FILTER DRYERS, ETC.).
6. OTHER APPROVED MFRS: CARRIER, LENNOX.

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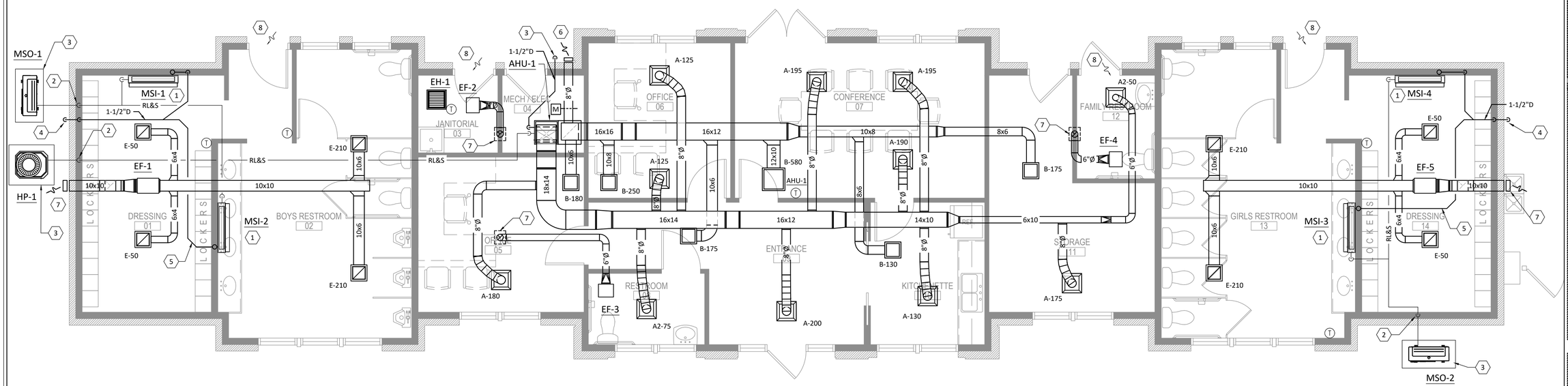
Project #: 22-42
Design By: RMA
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

HVAC GENERAL NOTES & SCHEDULES

ALABAMA LICENSED
Robert M. Anderson
No. 25048
PROFESSIONAL
10/25/2024
ENGINEER
ROBERT M. ANDERSON

M1.0
Sheet Number



1 HVAC FLOOR PLAN - EAST

1/4" = 1'-0"

NORTH

KEYED NOTES

(NOT ALL NOTES APPLY TO THIS SHEET)

1. MULTI-PORT INDOOR UNIT AS SCHEDULED (TYPICAL). COORDINATE INSTALLATION WITH CEILING HEIGHT/ARCHITECTURE.
2. REFRIGERANT LINES DOWN IN WALL (TYPICAL). INSULATE ALL LINES PER MFR'S INSTRUCTIONS (MINIMUM). ROUTE TO EQUIPMENT AS SHOWN.
3. CONDENSING UNIT(S) ON CONCRETE PAD OR HARDSCAPE - SEE DETAILS. AVOID UNIT POSITION DIRECTLY UNDER ROOF DRIP LINE. ADHERE TO ALL MFRS' INSTALLATION INSTRUCTIONS AND CLEARANCES.
4. ROUTE CONDENSATE DRAIN AS SHOWN. DISCHARGE TO GRADE IS PREFERRED WITH APPROVAL FROM LOCAL JURISDICTION. MAY REQUIRE DRY WELL.
5. PUMPED CONDENSATE (TYPICAL). ALSO REFER TO MULTI-PORT/DUCTLESS EQUIP. MFR.
6. VENTILATION AIR INTAKE. PROVIDE INSECT SCREEN. SIZE FOR 0.1" W.C. STATIC PRESSURE (MAX.).
7. EXHAUST DISCHARGE THRU WALL CAP OF ROOF JACK AS SHOWN (ALSO SEE FAN SCHEDULE). SIZE FOR 0.1" W.C. STATIC PRESSURE (MAX.).
8. ALUMINUM DOOR LOUVER. SEE ARCHITECTURAL.

HVAC LEGEND

SYMBOL		DESCRIPTION
EF-1		EQUIPMENT DESIGNATION (EF-1)
		SUPPLY AIR DISTRIBUTION DEVICE
		RETURN/EXHAUST AIR DEVICE
		DUCTWORK (POSITIVE PRESSURE)
		DUCTWORK (NEGATIVE PRESSURE)
18x12		DUCT SIZE IN INCHES (RECTANGULAR)
10"Ø		DUCT SIZE IN INCHES (ROUND)
T RTU-1		THERMOSTAT (EQUIPMENT CONTROLLED)
S		DEDICATED WALL SWITCH
		TIME CLOCK
S		DUCT MOUNTED SMOKE DETECTOR
		DUCT TRANSITION
U.C. 3/4"		DOOR UNDERCUT
D.G. 24"x24"		DOOR GRILLE (SIZE)
	MVD	MANUAL VOLUME DAMPER
M	MD	MOTORIZED DAMPER
	AHU	AIR HANDLING UNIT
	UH	UNIT HEATER
	MSI	MULTI-SPLIT SYSTEM - INDOOR UNIT
	MSO	MULTI-SPLIT SYSTEM - OUTDOOR UNIT
	OA	OUTSIDE AIR
	MFR	MANUFACTURER

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	SERVICE	MOUNTING	FACE SIZE	NECK (DUCT) SIZE	MAX RM NC	MAX SP [IN. W.G.]	INTEGRAL DAMPER?	BASIS-OF-DESIGN
A	SA/OA	GYP. BD.	12x12	SEE PLANS	35	0.10	Y	TITUS: TDC-AA
A1	SA/OA	GYP.BD.	9x9	SEE PLANS	35	0.10	Y	TITUS: TDC-AA
A2	SA/OA	GYP.BD.	6x6	SEE PLANS	35	0.10	Y	TITUS: TDC-AA
B	RA	GYP.BD.	SEE MFR.	SEE PLANS	35	0.10	N	TITUS: 50F
E	EA	GYP. BD.	SEE MFR.	SEE PLANS	35	0.10	N	TITUS: 50F

NOTES:

1. RUNOUT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS OTHERWISE NOTED.
2. FINISH FOR ALL DEVICES SHALL BE "WHITE", UNLESS OTHERWISE SPECIFIED BY ARCHITECT.
3. IN GENERAL, ADD 2" TO FACE SIZE ALL AROUND FOR BORDER.
4. PROVIDE MANUAL VOLUME DAMPER IN ALL NECKS/RUNOUTS. SEE GENERAL NOTES.
5. OTHER APPROVED MFRS: PRICE, KRUEGGER, TUTTLE & BAILEY, NAILOR

ELECTRIC HEATER SCHEDULE

MARK	LOCATION	MOUNTING	AIRFLOW (NOM.) [CFM]	HEATER CAPACITY * [W]	HEATER STAGES	ELECTRICAL [V/Ph/Hz]	ELECTRICAL FLA * [A]	BASIS-OF-DESIGN	NOTES:
EH-1	JAN. 03	CEILING	150	1500	1	120/1/60	12.5	MARLEY/QMARK: EFF1500	1~5

NOTES:

* Dual values listed above are for jumper field settings to reduce heating element capacity.

1. PROVIDE INTEGRAL THERMOSTAT.
2. PROVIDE WITH TAMPER-RESISTANT FRONT COVER.
3. PROVIDE SURFACE MOUNTING SLEEVE ACCESSORY, IF NECESSARY. VERIFY W/ ARCHITECTURAL AND FINAL FINISHES.
4. PROVIDE UNIT-MOUNTED DISCONNECT SWITCH.
5. APPROVED EQUALS: BERKO, INDEECO, MODINE

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Project #: 22-42

Design By: RMA

Project Date: 10-25-24

Revisions:

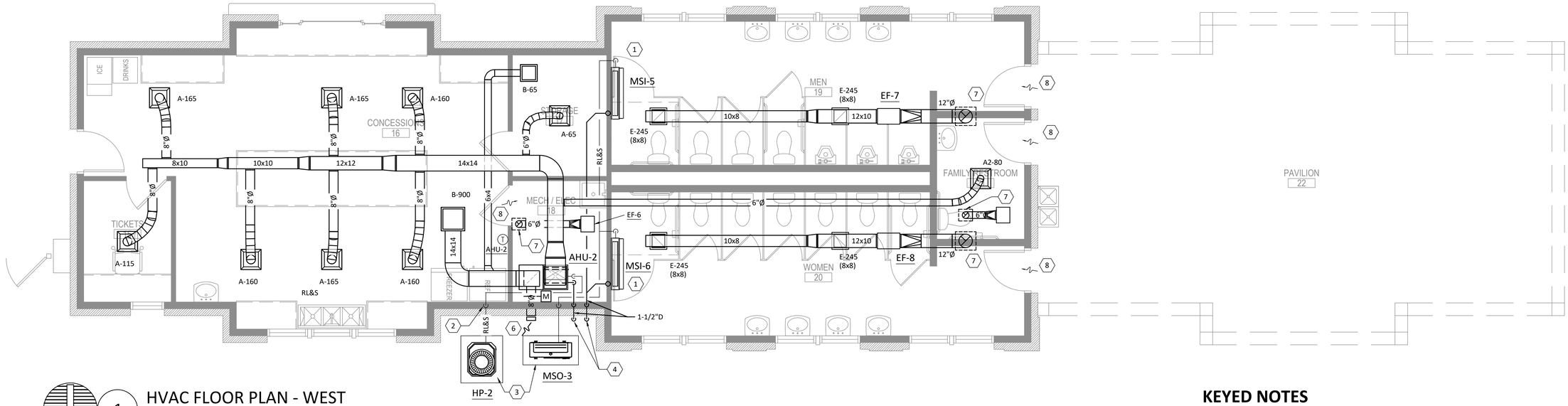
CRENSHAW COUNTY SPORTSPLEX - TRACK AND FIELD - CRENSHAW COUNTY, AL

HVAC FLOOR PLAN, SCHEDULES & LEGEND

ALABAMA LICENSED ARCHITECT Robert M. Anderson No. 25048 PROFESSIONAL 10/25/2024 ENGINEER ROBERT M. ANDERSON

M1.1

Sheet Number



1 HVAC FLOOR PLAN - WEST

1/4" = 1'-0"

NORTH

KEYED NOTES

(NOT ALL NOTES APPLY TO THIS SHEET)

1. MULTI-PORT INDOOR UNIT AS SCHEDULED (TYPICAL). COORDINATE INSTALLATION WITH CEILING HEIGHT/ARCHITECTURE.
2. REFRIGERANT LINES DOWN IN WALL. INSULATE ALL LINES PER MFR'S INSTRUCTIONS (MINIMUM). ROUTE TO EQUIPMENT AS SHOWN.
3. CONDENSING UNIT(S) ON CONCRETE PAD OR HARDSCAPE - SEE DETAILS. AVOID UNIT POSITION DIRECTLY UNDER ROOF DRIP LINE. ADHERE TO ALL MFRS' INSTALLATION INSTRUCTIONS AND CLEARANCES.
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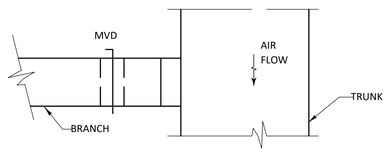
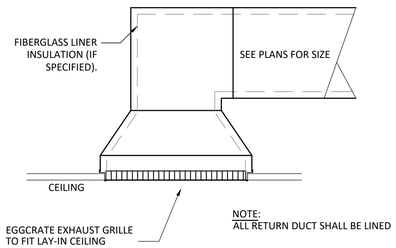
6. VENTILATION AIR INTAKE. PROVIDE INSECT SCREEN. SIZE FOR 0.1" W.C. STATIC PRESSURE (MAX.).
7. EXHAUST DISCHARGE THRU WALL CAP OF ROOF JACK AS SHOWN (ALSO SEE FAN SCHEDULE). SIZE FOR 0.1" W.C. STATIC PRESSURE (MAX.).
8. ALUMINUM DOOR LOUVER. SEE ARCHITECTURAL.



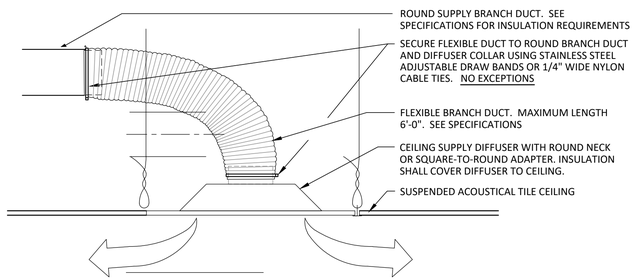
3 TYPICAL BRANCH DUCT DETAIL

NTS



2 INSULATED RETURN AIR DETAIL

NTS



5 FLEXIBLE SUPPLY BRANCH DUCT DETAIL

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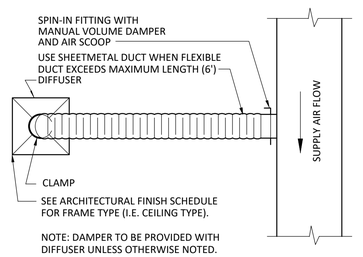

4 FLEXIBLE SUPPLY RUNOUT DETAIL

NTS

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HVAC FLOOR PLAN & DETAILS

ALABAMA LICENSED
No. 25048
PROFESSIONAL
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ROBERT M. ANDERSON
10/25/2024

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M1.2

Sheet Number

CITY MULTI

SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

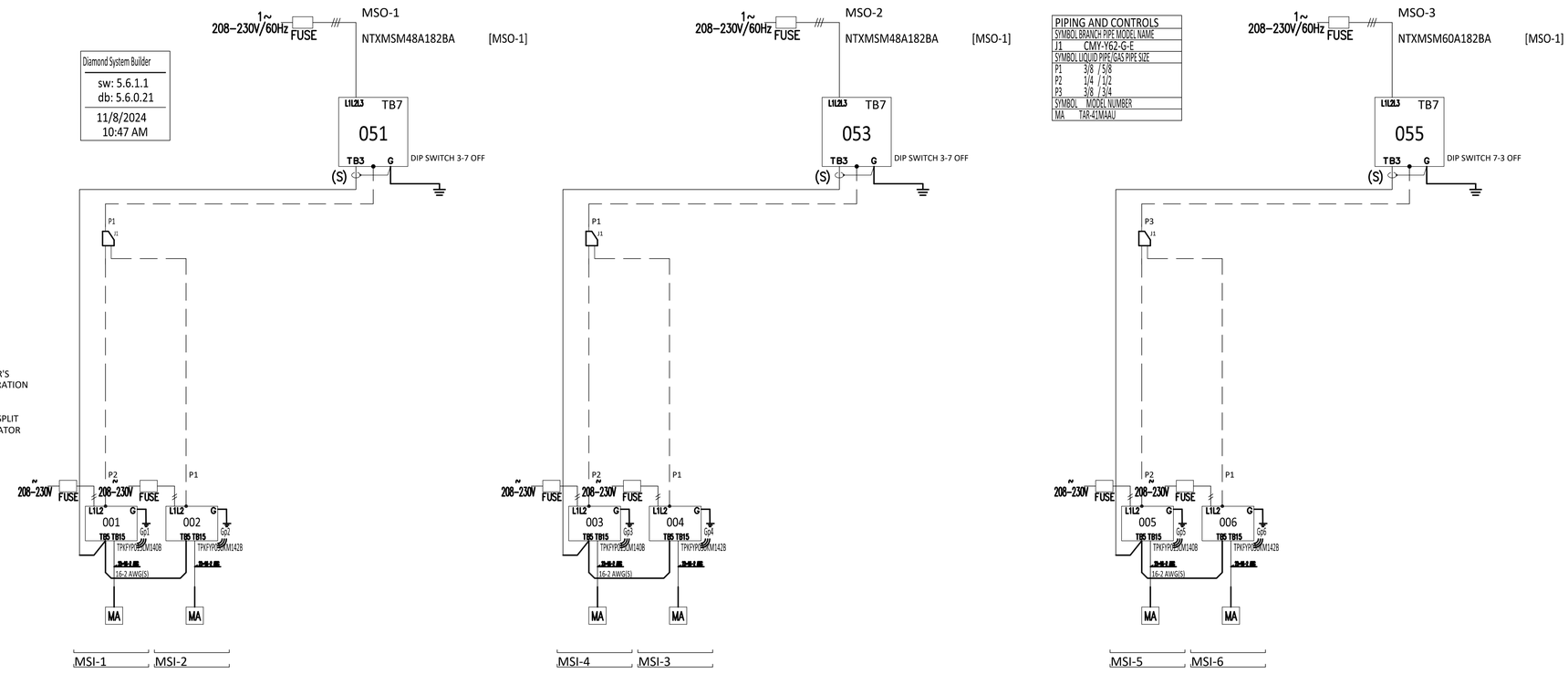
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
——///	POWER WIRE
———	CONTROL WIRE
———	REF. PIPE

CONT.No		PAGE	

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-Y62-G-E
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	3/8 / 5/8
P2	1/4 / 1/2
P3	3/8 / 3/4
SYMBOL	MODEL NUMBER
MA	TAR-41MAAU

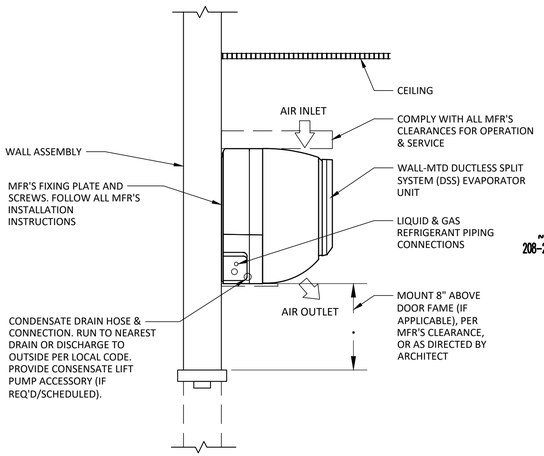
Diamond System Builder
sw: 5.6.1.1
db: 5.6.0.21
11/8/2024
10:47 AM



4 DUCTLESS MINI-SPLIT WALL-MTD UNIT

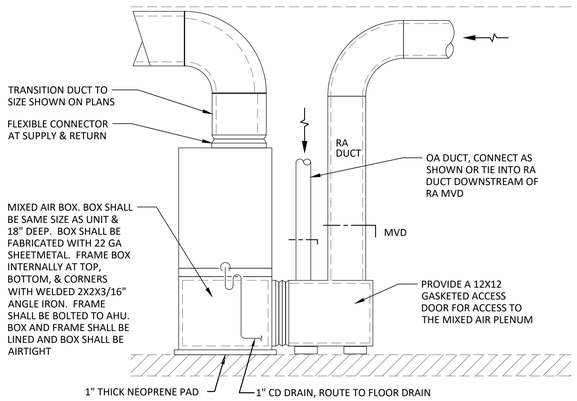
SCALE: NONE

TAGS: MSI-1~6



2 MULTI-SPLIT SYSTEM SCHEMATICS - TRACK & FIELD

NO SCALE



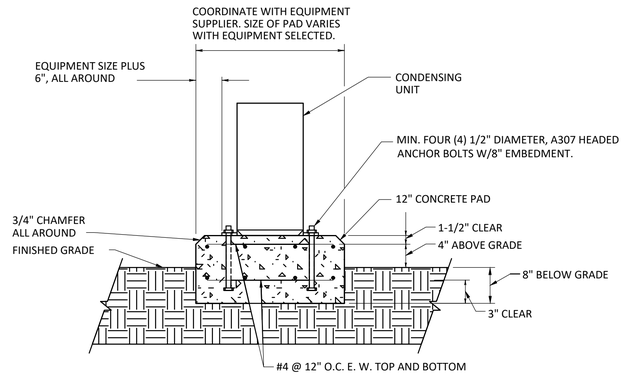
NOTES:

1. LINE SUPPLY DUCT FIRST 10 FT FROM UNIT DISCHARGE
2. DUCTWORK CONFIGURATION IS GENERAL. ADAPT AS NECESSARY TO FIT SPACE AND FLOOR PLAN LAYOUT

5 VERTICAL AIR HANDLER DETAIL

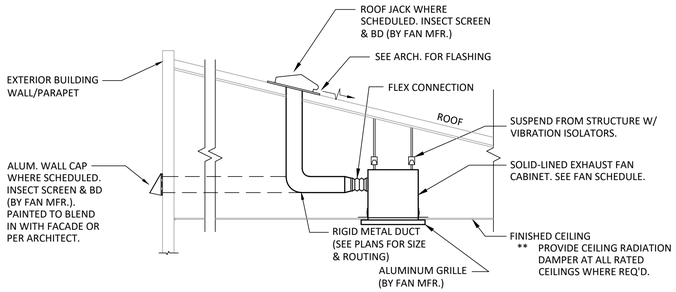
NTS

TAGS: AHU-1 & 2



3 EQUIPMENT PAD DETAIL

NTS



1 CABINET FAN & DISCHARGE DETAIL

SCALE: NONE

TAGS: EF-1~8

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Project #: 22-42

Design By: RMA

Project Date: 10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX - TRACK AND FIELD - CRENSHAW COUNTY, AL

HVAC DETAILS

ALABAMA LICENSED
Robert M. Anderson
No. 25048
PROFESSIONAL
10/25/2024
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M2.1

Sheet Number

PLUMBING LEGEND

4"S	EXIST. SANITARY WASTE PIPING
4"GR	EXIST. GREASE WASTE PIPING
¾"CW	COLD WATER PIPING
4"S	SANITARY WASTE PIPING
4"GR	GREASE WASTE PIPING
2"V	VENT PIPING
½"CW	COLD WATER PIPING
½"HW	HOT WATER PIPING
½"HWR	HOT WATER RETURN PIPING
3"ST	STORM WATER PIPING
2"CD	CONDENSATE PIPING
½"G	NATURAL GAS PIPING (LOW PRESSURE)
HPG	NATURAL GAS PIPING (HIGH PRESSURE)
4"SODA	PVC SODA CONDUIT
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	BALL VALVE
	SWING CHECK VALVE
	CALIBRATED BALANCING VALVE
	WATER HAMMER ARRESTER
	POINT OF CONNECTION

ABBREVIATIONS

AC	ABOVE CEILING
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISED GRADE
AS	ABOVE SLAB
AW	ACID WASTE
AV	ACID VENT
BFF	BELOW FINISHED FLOOR
BG	BELOW GRADE
BS	BELOW SLAB
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
CW	COLD WATER
CWS	COLD WATER SERVICE
DN	DOWN
EXIST.	EXISTING
FAV	FRESH AIR VENT
FA VTR	FRESH AIR VENT THRU ROOF
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFEL	FINISHED FLOOR ELEVATION
G	GAS
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
H/C	HOT AND COLD WATER
HPG	HIGH PRESSURE GAS
HW	HOT WATER
HWR	HOT WATER RETURN
INV EL	INVERT ELEVATION
MBH	THOUSAND BTU PER HOUR
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N/A	NOT APPLICABLE
PDI	PLUMBING DRAINAGE INSTITUTE
PH	PHASE
S	SOIL
SAN	SANITARY
SK	SINK
ST	STORM
TP	TRAP PRIMER
TYP	TYPICAL
U.N.O .	UNLESS NOTED OTHERWISE
V	VENT
VTR	VENT THRU ROOF
W	WASTE
WCO	WALL CLEANOUT

PLUMBING NOTES

GENERAL CONDITIONS

1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THE CONTRACT DRAWINGS.
3. THE BIDDERS SHALL INSPECT THE PRESENT JOB SITE CONDITIONS BEFORE PREPARING A BID. THE SUBMISSION OF A BID WILL BE CONSIDERED EVIDENCE THAT SUCH A VISIT AND INSPECTION WAS PERFORMED BY THE BIDDER AND THAT HE TAKES FULL RESPONSIBILITY FOR ALL FACTORS GOVERNING HIS WORK.
4. THE CONTRACTOR IS EXPECTED TO PROVIDE PROFESSIONAL WORK PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND GOOD PRACTICE. WORK SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT.
5. THE CONTRACTORS ARE EXPECTED TO FIELD VERIFY ALL DIMENSIONS. CONTRACTORS ARE EXPECTED TO ACCOUNT FOR FIELD CONDITIONS. CONTRACTORS ARE EXPECTED TO COORDINATE IN ORDER TO AVOID INTERFERENCE BETWEEN TRADES. CONTRACTORS ARE EXPECTED TO INSTALL EQUIPMENT SUCH THAT PROPER MAINTENANCE CLEARANCES ARE MAINTAINED FOR EQUIPMENT OF ALL TRADES. IF CHANGES TO THE CONTRACT DOCUMENTS ARE NECESSARY TO AVOID CONFLICTS, THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING CLARIFICATION IN A TIMELY FASHION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEFICIENCIES ASSOCIATED WITH WORK PERFORMED BEFORE OBTAINING CLARIFICATION.
6. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL CLEAN SPACES THAT WERE OCCUPIED BY TEMPORARY WORK AND TEMPORARY FACILITIES. REMOVE DEBRIS, RUBBISH AND EXCESS MATERIALS FROM THE SITES. REPAIR DAMAGES CAUSED BY INSTALLATION OR USE OF TEMPORARY FACILITIES.

GENERAL PLUMBING NOTES

1. PLUMBING PLANS ARE SCHEMATIC. LOCATE PIPING TO AVOID FIELD INTERFERENCES. CHANGES IN THE PIPING SCHEMATIC REQUIRE PRIOR APPROVAL OF THE ENGINEER.
2. TRANSITION CONNECTION BETWEEN SITE PIPING AND BUILDING PLUMBING SHALL OCCUR IN AN ACCESSIBLE GREEN SPACE.
3. THE CONTRACTOR IS EXPECTED TO VERIFY DIMENSIONS AND FIELD FABRICATE PIPING AS NECESSARY TO ACCOMMODATE CONDITIONS.
4. PRIOR TO ANY NEW WORK THE CONTRACTOR SHALL VERIFY BY ALL MEANS AVAILABLE THE DIRECTION OF FLOW OF ALL EXISTING PIPING THAT WILL BE TIED INTO FOR THE NEW WORK. REPORT TO THE ENGINEER ANY DIFFERENCES FROM WHAT THE CONTRACT DOCUMENTS SHOW.

MATERIALS AND DEVICES

1. ALL MATERIALS, EQUIPMENT AND APPARATUS COVERED BY THIS SPECIFICATION SHALL BE NEW, OF CURRENT MANUFACTURE.
2. SEE PROJECT SPECIFICATIONS FOR MATERIALS.
3. CONNECTION JOINTS BETWEEN PLASTIC AND METALLIC PIPE SHALL BE MADE WITH TRANSITION FITTING FOR THE SPECIFIC PURPOSE.
4. CONNECTIONS TO WATER HEATERS AND BETWEEN FERROUS AND NONFERROUS METALLIC PIPE SHALL BE MADE WITH DIELECTRIC FITTINGS.

PIPING NOTES

1. INSTALL GRAVITY LINES AT UNIFORM GRADES.
2. INSTALL SLEEVES AT ALL PENETRATIONS WHERE CONCRETE MIGHT CONTACT COPPER PIPING. PROVIDE SLEEVES AND SEAL ALL PENETRATIONS OF FULL HEIGHT WALLS AIR TIGHT. PROVIDE SLEEVES AT ALL PENETRATIONS OF FLOOR. PROVIDE POLY PIPE COVER OR INSULATION WHERE WATER, SOIL, OR WASTE PIPING IS ENCASED WITHIN EXTERIOR WALLS.
3. LOCATE ALL VALVES AND OTHER DEVICES WHICH REQUIRE MAINTENANCE IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS IF NECESSARY.
4. PIPING INSTALLATIONS ARE EXPECTED TO BE RIGID. SUPPORT AND SECURE PIPING IN ACCORDANCE WITH GOOD PRACTICE.
5. SEE SPECIFICATIONS FOR HOT WATER PIPING INSULATION REQUIREMENTS. PROFESSIONAL INSTALLATION IS EXPECTED.
6. LABEL ALL HOT, TEMPERED & COLD DOMESTIC WATER SUPPLY & RETURN PIPING AT EACH VALVE LOCATION & NO LESS THAN 20' O.C.

FIXTURES AND TRIM:

1. EQUIPMENT SHALL BE UNDAMAGED AND CLEANED.
2. ALL EXPOSED SINK AND LAVATORY DRAIN PIPING SHALL BE CHROME PLATED BRASS NO LESS THAN 17 GAUGE. TRAPS SHALL BE 17 GAUGE FULLY CAST BRASS WITH CLEANOUT PLUGS.
3. PVC PIPING IS ALLOWED FOR SKULLERY SINK DRAINS.
4. ESCUTCHEONS SHALL BE CHROME PLATED CAST BRASS WITH SET SCREW.

CLOSEOUT, TESTING AND INSPECTIONS

1. COORDINATE INSPECTIONS WITH THE SPECIFICATIONS.
2. ALL DOMESTIC WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE 2015 INTERNATIONAL PLUMBING CODE.
3. ALL WATER SUPPLY PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE 2015 INTERNATIONAL PLUMBING CODE, BUT NOT LESS THAN 100 PSI.
4. ALL WASTE AND VENT PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE 2015 INTERNATIONAL PLUMBING CODE, BUT NOT LESS THAN 10' OF HEAD.
5. CONTRACTOR SHALL CAMERA SEWER LINES AND PROVIDE SMOKE TEST OF THE ENTIRE WASTE AND VENT SYSTEM.
6. NO PIPING SHALL BE COVERED OR CLOSED UP BEFORE INSPECTION AND APPROVAL. PROVIDE TEST TEES AT CONNECTION TO EXISTING AT EACH FLOOR & AS NEEDED FOR COMPLETE TESTING.

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PLUMBING NOTES AND LEGEND

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Sheet Number

PLUMBING SPECIFICATIONS

PART 1 – GENERAL

DESCRIPTION OF THE WORK

The extent of the work is indicated on the Drawings. In general, the work consists of, but is not limited to, the following:

- Hot and cold water supply piping and all valves, fittings, etc.
- A system of waste and vent piping.
- Plumbing fixtures.
- Domestic water heater

RELATED WORK

Site Utilities have generally been completed under other contracts.
Electrical wiring is specified in the Electrical Sections.

QUALITY ASSURANCE

All materials and installations are to comply with the following. If conflicts occur between plumbing codes and the specifications, the most restrictive requirements shall govern.

- International Building Code (IBC) 2015 Edition
- ICC A117.1 2009 Edition
- Americans With Disabilities Act (ADA) 2010
- International Energy Conservation Code (IECC) 2015 Edition
- International Plumbing Code (IPC) 2015 Edition
- International Fuel Gas Code (IFGC) 2015 Edition
- International Mechanical Code (IMC) 2015 Edition
- National Electrical Code (NEC) 2014 Edition

Furnish and install equipment having the characteristics and accessories indicated on the drawings or in these specifications. The manufacturer's specifications for the models shown on the drawings or given as basis for design, plus all features, options, and accessories indicated on the drawings or in these specifications, whether or not standard for the model scheduled or offered as a substitute, shall constitute the minimum requirements for equipment furnished under this section.

SUBMITTALS

Submit to the Architect/Engineer for approval (1) digital copies of brochures, technical data and/or shop drawings not limited to the following, and as many additional copies as required for Contractor use:

- Water heater.
- Plumbing fixtures.
- Grease Interceptor.
- Piping, Valves, cleanouts, and floor drains.

CHANGES

The Drawings indicate generally the locations of plumbing fixtures, apparatus, piping, etc., and while these are to be followed as closely as possible, if before installation, it is found necessary to change the location of same to accommodate the conditions at the building, such changes shall be made without additional cost to the Owner and as directed by the Architect/Engineer.

PART 2 – PRODUCTS

PLUMBING FIXTURES, TRIM AND FITTINGS

Furnish and install all plumbing fixtures and trim, floor drains and cleanouts as shown on the Drawings. Fixtures shall be as specified or equivalent quality fixtures by American Standard, Kohler, Universal Rundle or Eljer.
Provide all items of brass and chrome plated finish except where otherwise noted.
Brackets, Anchors, and Cleats: Furnish and install where required for support, conceal behind finished wall.

ELECTRIC WATER HEATERS

Water heaters shall have dual electric immersion type elements; each with thermostatic controls. Unit shall have manual reset high limit switch, magnesium anode rod, drain valve and ASME relief valve.
Tanks shall be glasslined, welded steel rated for a working pressure of 150 psi. Insulation shall provide a maximum U value of 0.1 Btu/ft2–oF.
Tank shall have a minimum 5 year warranty. All other parts shall be warranted for one year.
Heater sizes and capacities are scheduled on the Drawings.

PIPING

Where more than one material is specified for a particular application, the contractor may select.
All materials shall comply with latest ASTM specifications in each instance that ASTM has specifications and standards relating to such materials.
Sanitary Waste and Vent

Cast Iron Soil Pipe, service weight bell and spigot; ASTM A 74, with neoprene single service compression gaskets.
PVC Sewer Pipe, schedule 40, ASTM D2665.
Cast Iron Soil Pipe, service weight no–hub, ASTM A 74, with neoprene gasket and stainless steel band and screw assemblies conforming to CISPI Standard 301. May be used for vent piping. May be used for drain piping only where space prohibits use of bell's spigot piping.
Copper tubing, Type L, conforming to ASTM B88, with brazed or solder–joint copper, brass or bronze fittings conforming to ANSI B16.18 or B16.22.
Copper tubing, DWV grade, hard temper conforming to ASTM B306, with solder joint, cast bronze fittings conforming to ANSI B16.23. Tubing larger than 2 inches shall use wrought copper fittings conforming to ANSI B16.29.

Condensate Waste Pipe Above Grade

Copper tubing, DWV grade, hard temper conforming to ASTM B306, with solder joint, cast bronze fittings conforming to ANSI B16.23. Tubing larger than 2 inches shall use wrought copper fittings conforming to ANSI B16.29.

Condensate Waste Pipe Below Grade

PVC Sewer Pipe, schedule 40, ASTM D2665.

Domestic Water Pipe below ground: Water service pipe and shall conform to NSF 61

Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing conforming to ASTM D2846

Copper or copper–alloy tubing (Type K) conforming to ASTM B75 with bituminous coating

Cross–linked polyethylene (PEX) plastic tubing conforming to ASTM F876. No PEX piping shall be installed where it is exposed to direct sunlight.

Domestic Water Pipe above ground: Water distribution pipe and tubing shall conform to NSF 61

Chlorinated polyvinyl chloride (CPVC) plastic pipe and tubing conforming to ASTM D2846

Copper or copper–alloy tubing (Type L) conforming to ASTM B75

Cross–linked polyethylene (PEX) plastic tubing conforming to ASTM F876. No PEX piping shall be installed where it is exposed to direct sunlight.

Natural gas pipe:

Steel pipe complying ASTM A 53 with malleable iron threaded fittings.

Threaded fittings shall be threaded class 150 malleable iron, conforming to ANSI B16–3. the fittings shall be black or galvanized to match the pipe with which they are to be used and shall be suitable for a working pressure of 250 psig.

Natural gas piping shall be painted yellow. Thoroughly clean and apply primer to pipe prior to painting.

Exposed Pipe in Toilet Areas:

Exposed pipe shall be chrome plated brass, American Brass Co., or equivalent. Furnish and install chrome plated brass wall plates.

Lavatory and Similar Waste Arms:

Type M or L copper water tube, Mueller or equivalent.

PIPE ACCESSORIES:

Pipe sleeves: metal (pvc may be used where appropriate) sized to allow minimum clearance between pipe and sleeves or insulation and sleeves.
Provide chrome–plated brass escutcheon plates where exposed pipe passes through walls, floors, or ceiling in finished areas.
Furnish and install dielectric or isolation fittings at all points where copper pipe connects to steel pipe.
Adjustable wrought clevis type hanger and rods: Grinnel Company or equivalent. Provide copper hangers for copper piping.

Install water hammer arrestors as required.

VALVES

Copper or copper alloy conforming to ASME A112.4.14

Chlorinated polyvinyl chloride (CPVC) plastic conforming to ASME A112.4.14.

TRAPS

For Lavatories and Sinks: Brass, chrome plated.

PIPING INSULATION SCHEDULE, GENERAL

Acceptable preformed pipe and tubular insulation materials and thicknesses are identified for each piping system and pipe size range. If more than one material is listed for a piping system, selection from materials listed is Contractor's option.

Items Not Insulated: Unless otherwise indicated, do not install insulation on the following:
1. Drainage piping located in crawl spaces.
2. Underground piping.
3. Chrome–plated pipes and fittings unless there is a potential for personnel injury.

INDOOR PIPING INSULATION SCHEDULE

Domestic Cold and Non–potable Cold Water: Insulation shall be:
Flexible Elastomeric: 3/4 inch thick for pipe sizes less than 1–1/4 inches, 1 inch thick for pipe sizes 1–1/2 inches and greater

Domestic Hot, and Re–circulated Hot Water and Tempered Water: Insulation shall be:
Flexible Elastomeric: 1 inch thick.

Exposed Sanitary Drains, Domestic Water, Domestic Hot Water, and Stops at lavatories shall be insulated and finished with Truebro Model No. 102 "Lav–Guard" or Brocar "Trap–Wrap" white insulation kit.

Sanitary Waste Piping Where Heat Tracing Is Installed, insulation shall be:
Mineral–Fiber, Preformed Pipe Insulation, Type I: 1–1/2 inches thick.

OUTDOOR, ABOVEGROUND PIPING INSULATION SCHEDULE

Domestic Cold, Hot, and Recirculated Hot Water: Insulation shall be:
Flexible Elastomeric: 2 inches thick.

Sanitary Waste Piping Where Heat Tracing Is Installed: Insulation shall be:
Mineral–Fiber, Preformed Pipe Insulation, Type I: 2 inches thick.

OUTDOOR, FIELD–APPLIED JACKET SCHEDULE

Install jacket over insulation material. For insulation with factory–applied jacket, install the field–applied jacket over the factory–applied jacket.

Piping, Exposed: PVC: 20 mils thick.
Aluminum, Smooth or Corrugated or Stucco Embossed: 0.016 inch thick.

PART 3– EXECUTION

INSTALLATION OF WATER HEATERS

Provide ball valves on both the incoming cold water and leaving hot water supply piping. Provide unions to facilitate replacement of the storage tank and/or heater. Provide storage tank drain.
Heat trap shall be installed in the hot water supply piping.

INSTALLATION OF PIPING

On vertical sanitary drain lines, connect all soil and waste inlets through sanitary tees, wyes, or wyes and eighth bends. Short radius fittings may be used for vent piping. On horizontal lines connect all waste and soil connections through wyes or wyes and eighth bends. Double branch fittings may be used on vertical lines and horizontal runs, providing proper grades can be maintained.

Make joints in PVC plastic pipe with solvent cement in accordance with pipe manufacturer's instructions.
Lay horizontal drain pipes to uniform grade; riser pipes, vertical. Make changes in directions of drain pipes with long bends. No screwed joints permitted in drain pipes, except as described herein.
Lay all sewers and branches, where practicable, on undisturbed earth cut at proper grade. Where laid on fill, provide adequate supports to maintain pitch of the line.
Sizes of risers and mains of water system piping shall be as designated on the Drawings. Verify any omitted sizes before installation.
Cover pipe openings at all times that the work is not in progress at that point.
Cut brass and copper pipe by means of hacksaw. Remove all burrs and metal chips, dirt, etc., before joining pipe. Chrome plated pipe shall show no wrench marks after installation; no threads shall show.
Adequately support all piping above floors inside the building from or on the building structure. Support piping suspended from the building structure by means of the specified pipe hangers and rods. Make maximum spacing between pipe supports as follows:

Nominal Pipe Size	Maximum Span
3/4" and under	5'
1"	7'
1–1/4"	7'
1–1/2"	9'
2"	10'
2–1/2"	11'
3"	12'
4"	14'

Sanitary and storm drain piping shall be supported by at least one hanger on each full length of pipe close to hub where possible and at least one within 24 inches of each fitting, and wherever else required to prevent tendency toward deflection due to load. Provide a hanger at upper angle at each drop. Locate hangers adjacent to hubs on multiple fittings not more than four feet on centers.
For support spacing of all other horizontal piping refer to MSS–SP–69 and provide additional supports at valves, strainers, in line pumps and other heavy components. Provide a support within one foot of each elbow.
Vertical Pipe Supports: Up to 6 inch 60 feet long or not over 12 inch pipe up to 30 feet long, Riser clamps bolted to pipe below couplings, or welded to pipe and resting securely on the building structure. Vertical pipe larger than the foregoing, support on base elbows or tess, or substantial pipe legs extending to the building structure. Vertical runs less than 15 feet long may be supported by the hangers on the connecting horizontal runs.
Bases of drain stacks: If not buried in earth support on concrete, brick in cement mortar, or metal brackets permanently attached to building structure.
Make joints in PVC plastic pipe with solvent cement in accordance with pipe manufacturer's instructions.

INSTALLATION OF VALVES

Isolate all major piping assemblies as shown on the Drawings and as required for proper operation and maintenance. All valves shall be accessible. Provide valve boxes and access panels where required for accessibility.
Install service valve for hot and cold water at each plumbing fixture.

INSTALLATION OF TRAPS

Trap each fixture by water sealing trap placed as near the fixture as possible.
Vent all traps and place within 5 feet of the fixture which it serves unless otherwise noted.

INSTALLATION OF PIPE SLEEVES

Install pipe sleeves at all locations where pipe passes through walls, floors, or ceilings above or below grade.
Where subject to moisture or weather, seal sleeves with watertight sealant.

INSTALLATION OF FIXTURES, TRIM, AND FITTINGS

Install the fixtures, trim and fittings specified, taking care to properly anchor each fixture.
Installation of carriers shall comply with manufacturers' maximum recommendations. Carriers shall be bolted to floor slab using all bolt holes or slots provided on carrier. Bolt size shall match hole or slot. Provide lock washer on each bolt. Use "Red Head" self drilling anchors as manufactured by Phillips Drill Co. or approved equal product to set bolts.

When the use of a wrench is necessary on chrome plated piping, protect the pipe from marring by use of felt or cloth wrapping beneath wrench jaws.

INSULATION

Insulate all domestic hot water lines.
Insulate all domestic cold water lines subject to ambient conditions. Pipe insulation is not required in the crawl space where located more than 10' from a ventilation opening.
Install insulation in accordance with manufacturer's recommendations.

TESTS AND INSPECTIONS

Make all water and air tests of the piping systems in the presence of and to the satisfaction of the Architect/Engineer or his designated representative. Conduct these tests at such places and with timing to permit work to proceed with as little interruption as possible. Make tests before work is concealed.
Test water piping to hydrostatic pressure at 125 psi and hold for 4 hours.
After the installation of sanitary piping and before the pipe is concealed or the fixtures are installed, cap or plug the ends of the system and fill all lines with water to top of vents above roof and allow to stand until a thorough inspection has been made. Should leaks appear, repeat the tests until the system is tight.
Do not use resin, candle wax or any other such substance for stopping leaks in cast iron soil, waste or vent lines or in storm drain lines. Caulking of screw joints to stop leaks will not be permitted.

STERILIZATION

The sterilization process shall comply with all governing regulations and with the sterilization procedures recommended by the American Water Works Association. The chlorination process may be simplified by first flushing the system thoroughly clean, then charging with water containing a minimum of 50 parts per million of chlorine, allowing this to stand for 24 hours, then thoroughly flushing. After sterilization and final flushing, the local health authority is to be notified and their approval obtained in writing.

END OF SECTION

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PLUMBING SPECIFICATIONS

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P0.2
Sheet Number

PLUMBING FIXTURE SCHEDULE (BASIS OF DESIGN)

TYPE	DESCRIPTION	MODEL	TRIM & ACCESSORIES	FIXTURE CONNECTIONS			
				CW	HW	WASTE	VENT
WC-1	WATER CLOSET, FLOOR MOUNT, VITREOUS CHINA, 16⅝" RIM HGT. ELONGATED BOWL, FLUSHOMETER VALVE SIPHON, 1-1/2" TOP SPUD, 1.6 GALLON FLUSH. ADA COMPLIANT.	KOHLER HIGHCLIFF ULTRA K-96057	ZURN ZER6000AV-CPM-WS1-MOB, DIAPHRAGM-TYPE EXPOSED BATTERY POWERED AUTOMATIC SENSOR FLUSH VALVE (1.6 GPF), MANUAL OVERRIDE BUTTON. BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, ELONGATED, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.	1"		4"	2"
L-1	19¾"x16¾" OVAL UNDERMOUNT VITREOUS CHINA LAVATORY. OVERFLOW DRAIN. ADA COMPLIANT.	KOHLER K-2210	KOHLER K-27390-4N MANUAL FAUCET. CHROME PLATED, TWO LEVEL, 0.5 GPM AERATOR, GRID DRAIN. WITHOUT POP-UP ASSEMBLY. MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A. SEAMLESS TUBULAR BRASS WALL BEND. MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"	1/2"	2"	1 1/2"
L-2	20¾"x18¾" WALL-HUNG VITREOUS CHINA LAVATORY. 3-HOLE INSTALLATION, ADA COMPLIANT.	KOHLER GREENWICH K-2032	KOHLER K-27390-4N MANUAL FAUCET. CHROME PLATED, 0.35 GPM AERATOR, GRID DRAIN. WITHOUT POP-UP ASSEMBLY. MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A. SEAMLESS TUBULAR BRASS WALL BEND. MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"	1/2"	2"	1 1/2"
U-1	URINAL - WALL MOUNT, WHITE VITREOUS CHINA, ¾" TOP SPUD, 1.0 GALLON FLUSH, 14⅛" EXTENDED RIM.	KOHLER K-4991-ETSS	ZURN Z6003AV-WS1, DIAPHRAGM-TYPE EXPOSED MANUAL FLUSH VALVE (1.0 GPF). BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, ELONGATED, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.	3/4"		2"	2"
U-2	H/C URINAL - URINAL - WALL MOUNT, WHITE VITREOUS CHINA, ¾" TOP SPUD, 1.0 GALLON FLUSH, 14⅛" EXTENDED RIM. ADA COMPLIANT.	KOHLER K-4991-ETSS	ZURN Z6003AV-WS1, DIAPHRAGM-TYPE EXPOSED MANUAL FLUSH VALVE (1.0 GPF). BEMIS MODEL 3155SSCT EXTRA HEAVY WEIGHT, SOLID PLASTIC, OPEN FRONT, ELONGATED, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, STA-TITE FASTENING SYSTEM, ANTIMICROBIAL.	3/4"		2"	2"
EWC-1	VANDAL RESISTANT BI-LEVEL ADA COOLER FOR OUTDOOR INSTALLATION. SELF-CONTAINED, DUAL HEIGHT, WALL HUNG ELECTRIC REFRIGERATED WATER COOLER AND BOTTLE FILLING STATION, STAINLESS STEEL FINISH. DELIVERS 8 GPH OF 50 DEGREE DRINKING WATER. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.	ELKAY VRCTL8WSK	McGUIRE 8872 1-1/4" HEAVY CAST BRASS POLISHED CHROME 17 GA. ADJUSTABLE P-TRAP WITH CLEANOUT, SLIP NUTS, AND SEAMLESS TUBULAR BRASS WALL BEND. McGUIRE 2165 1/2" IPS 3/8" O.D. ANGLE SUPPLIES AND STOPS, 12" FLEXIBLE CHROME PLATED COPPER RISERS. STEEL WALL MOUNT BRACKET. PROVIDE WITH ACCESSORY APRON - ELKAY 98324C.	1/2"		2"	1 1/2"
MS-1	24"x24"x10" MOLDED STONE MOP SERVICE BASIN	FIAT MSB2424	FIAT 830-AA FAUCET W/ VACUUM BREAKER FIAT 832-AA HOSE AND HOSE BRACKET FIAT E-77-AA VINYL BUMPERGUARD FIAT 889-CC MOP HANGER FIAT 833-AA SILICONE SEALANT FIAT MSG2424 STAINLES STEEL WALL GUARD FIAT 1453-BB STRAINER	1/2"	1/2"	3"	2"
HS-1	22"x18" WALL-HUNG VITREOUS CHINA LAVATORY W/ SINK SHROUD. 3-HOLE INSTALLATION, 8" CENTERS, OVERFLOW DRAIN. ADA COMPLIANT.	KOHLER K-2035-8	KOHLER K-810T20-5AHA MANUAL FAUCET. CHROME PLATED, 1.5 GPM, GRID DRAIN. WITHOUT POP-UP ASSEMBLY. MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A. SEAMLESS TUBULAR BRASS WALL BEND. MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"	1/2"	2"	1 1/2"
SK-1	KITCHENETTE SINK, DOUBLE BOWL, UNDERMOUNT. 33"x22"x6" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL. ADA COMPLIANT.	ELKAY ECTSRAD332260	FAUCET: KOHLER K-30615, SINGLE LEVER HANDLE W/ MATCHING SIDE-SPRAY, POLISHED CHROME, 8⅝" SPOUT REACH. 1.5 GPM.	1/2"	1/2"	2"	1 1/2"
SK-2	79" 16-GAUGE TYPE 304 STAINLESS STEEL THREE COMPARTMENT COMMERCIAL SINK WITH STAINLESS STEEL LEGS, CROSS BRACING, AND 2 DRAINBOARDS. 15"x15"x12" BOWLS.	REGENCY 600S315215X	REGENCY 600PRW812 WALL-MOUNTED PRE-RINSE FAUCET. 44" HOSE, 1.15 GPM SPRAY VALVE. 8" CENTERS, 1/2" NPT INLETS.QUARTER-TURN CERAMIC CARTRIDGES FOR LONG LIFE AND LEAK PROTECTION, CHECK VALVES PREVENT BACKFLOW. CHROME-PLATED BRASS CONSTRUCTION. 12" ADD-ON FAUCET (2 GPM), 18" RISER.	1/2"	1/2"	2"	1 1/2"
HB-1	WALL FAUCET, POLISHED CHROME	T&S BRASS B-0737-POL	3/4" NPT FEMALE INLET, ¾" GARDEN HOSE MALE OUTLET, LOOSE TEE KEY, VACUUM BREAKER	3/4"			
TMV-1B	THERMOSTATIC WATER CONTROLLER. 110° SET TEMP.	LAWLER 66-80	LEAD FREE CERTIFIED. CERTIFIED TO CSA B125.3. CONFORMS TO ASSE 1017.	1" IN	1" IN 1 1/4" OUT		
TMV-1C	THERMOSTATIC WATER CONTROLLER. 110° SET TEMP.	LAWLER 66-80	LEAD FREE CERTIFIED. CERTIFIED TO CSA B125.3. CONFORMS TO ASSE 1017.	1" IN	1" IN 1 1/4" OUT		
PRV-1B	WATER PRESSURE REDUCING VALVE WITH STRAINER, LEAD-FREE BRASS BODY CONSTRUCTION. ASSE 1003 CERTIFIED. REDUCED PRESSURE SETTING: 75 PSI	WATTS LF223-S	ENLARGED DIAPHRAGM, SPRING CAGE AND SEAT ORIFICE, LEAD FREE BRASS BODY CONSTRUCTION STRAINER, BYPASS TO CONTROL THERMAL EXPANSION PRESSURE. PROVIDE PRV IF INCOMING PRESSURE EXCEEDS 70 PSI.	2"			
PRV-1C	WATER PRESSURE REDUCING VALVE WITH STRAINER, LEAD-FREE BRASS BODY CONSTRUCTION. ASSE 1003 AND NSF 61-G CERTIFIED. REDUCED PRESSURE SETTING: 70 PSI	WATTS LFN223M2-BS	ENLARGED DIAPHRAGM, SPRING CAGE AND SEAT ORIFICE, LEAD FREE BRASS BODY CONSTRUCTION STRAINER, BYPASS TO CONTROL THERMAL EXPANSION PRESSURE. PROVIDE PRV IF INCOMING PRESSURE EXCEEDS 70 PSI.	2 1/2"			
TP-1	PRESSURE DROP ACTIVATED TRAP PRIMER VALVE	PPP PR-500	PROVIDE DISTRIBUTION UNIT DU-U AS REQUIRED	1/2"			
FCO	ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED POLISHED BRONZE TOP ADJUSTABLE TO FINISHED FLOOR.	ZURN Z1400	FLASHING CLAMP AND FLASHING FLANGE, BRONZE PLUG.	SEE PLANS FOR SIZES			
ECO	ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED POLISHED BRONZE TOP ADJUSTABLE TO FINISHED FLOOR.	ZURN Z1400	FLASHING CLAMP AND FLASHING FLANGE, BRONZE PLUG.	SEE PLANS FOR SIZES			
WCO	CLEANOUT TEE, DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.	ZURN Z1446	POLISHED BRONZE COVER. BRONZE PLUG.	SEE PLANS FOR SIZES			
BFP-1	REDUCED PRESSURE ZONE ASSEMBLY	WATTS LF009 SERIES	THE ASSEMBLY SHALL CONSIST OF AN INTERNAL PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED IN A ZONE BETWEEN TWO POSITIVE SEATING CHECK MODULES WITH CAPTURED SPRINGS AND SILICONE SEAT DISCS. SEATS AND SEAT DISCS SHALL BE REPLACEABLE IN BOTH CHECK MODULES AND THE RELIEF VALVE. BODY AND SHUTOFFS SHALL BE CONSTRUCTED USING LEAD FREE CAST COPPER SILICON ALLOY MATERIALS. PROVIDE WITH STRAINER. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF: USC; ASSE STD. 1013; AWWA STD. C511; CSA B64.4.	SEE PLANS FOR SIZES			

DRAIN SCHEDULE (BASIS OF DESIGN)

TYPE	DESCRIPTION	MODEL	TRIM & ACCESSORIES	FIXTURE CONNECTIONS		
				CW	WASTE	VENT
FD-1	CAST IRON GENERAL SERVICE FLOOR DRAIN WITH SQUARE TOP AND AXILLARY TRAP PRIMER FITTING.	ZURN ZN415S	DUCO COATED CAST IRON BODY W/ FLASHING COLLAR AND ADJUSTABLE 7" SQUARE POLISHED BRONZE STRAINER HEAD. J R SMITH 2695 AXILLARY CAST IRON TRAP PRIMER FITTING 1/2" NPT TAPPING.	1/2"	3"	2"
FD-2	CAST IRON GENERAL SERVICE FLOOR DRAIN WITH ROUND TOP.	ZURN ZN415B	DUCO COATED CAST IRON BODY W/ FLASHING COLLAR AND ADJUSTABLE 8" ROUND NICKEL BRONZE STRAINER, SEDIMENT BUCKET. PROVIDE J.R. SMITH 2692 TRAP SEAL IN LIEU OF TRAP PRIMER CONNECTION.		2"	2"
FS-1	12"x12"x6"DEEP, 14 GAUGE, TYPE 304 STAINLESS STEEL, LOOSE SET 12 GAGE LIGHT DUTY PERFORATED GRATE, AND STAINLESS STEEL SEDIMENT BASKET.	ZURN Z1850	FLANGED RECEPTOR WITH SEEPAGE HOLES. SQUARE STAINLESS RIM W/ STAINLESS STEEL 1/2 GRATE AND SEDIMENT BUCKET. PROVIDE J.R. SMITH 2692 TRAP SEAL IN LIEU OF TRAP PRIMER CONNECTION.		3"	2"
GT-1	BELOW GROUND-MTD ROTATIONALLY MOLDED POLYETHYLENE GREASE INTERCEPTOR. 1-MINUTE RETENTION.	THERMACO TRAPZILLA TZ-160-ECA	3" LOW-HEAD FLOW CONTROL ACCESSORY TO LIMIT FLOW TO 35 GPM. 22.7 GALLONS / 167.7 LBS. OF TOTAL GREASE STORAGE CAPACITY. REMOVABLE COVER FOR GREASE AND SOLIDS REMOVAL ACCESS, INTEGRAL ANTI-FLOTATION ANCHOR RING FOR IN-GROUND INSTALLATION, INTEGRAL HORIZONTAL BAFFLE, LAMINAR INLET FLOW DIVERTER, INTEGRAL VESSEL VEN, INTEGRAL SEWER GAS TRAP, ECA-TZ-29 EXTENSION COLLAR ASSEMBLY. PROVIDE FTCA-22 FABRICATED TOP COVER ASSEMBLY WITH DIAMOND PLATE ALUMINUM SURFACE.		3" IN/OUT	2"
HD-1	BELLMOUTH HUB DRAIN	J.R. SMITH 3955S	PVC REDUCER, 3"x2". PROVIDE J.R. SMITH 2692 TRAP SEAL IN LIEU OF TRAP PRIMER CONNECTION.		3"	2"

WATER HAMMER ARRESTER SCHEDULE (WHA)

CHART A - FOR GROUPED FIXTURES		CHART B - FOR LONG PIPE RUNS						
P.D.I. SIZE	FIXTURE UNITS	P.D.I. WATER HAMMER ARRESTERS						
		LENGTH OF PIPE	NOMINAL PIPE DIAMETER					
			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1-11	25'	A	A	B	C	D	E
B	12-32	50'	A	B	C	D	E	F
C	33-60	75'	B	C	D	AE	F	EF
D	61-113	100'	C	D	E	F	CF	FF
E	114-154	125'	C	D	F	AF	EF	EFF
F	155-330	150'	D	E	F	DF	FF	FFF

NOTES:

1. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD PDI-WH201.

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Design By: TEP & RMA

Project Date: 10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX - TRACK AND FIELD - CRENSHAW COUNTY, AL

PLUMBING FIXTURE SCHEDULES

ALABAMA LICENSED Robert M. Anderson No. 25048 PROFESSIONAL ENGINEER 10/25/2024 ROBERT M. ANDERSON

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ELECTRIC WATER HEATER SCHEDULE

TYPE	MANUFACTURER /MODEL NO.	STORAGE CAPACITY (GALLONS)	NO. OF ELEMENTS (KW)	INPUT (KW)	RECOVERY	STORAGE TEMP. (°F)	VOLTS/ PHASE	NOTES
EWH-1B	AO SMITH DSE-30-9	50	(1) 9.0 SIMULTANEOUS	9.0	47 GPH @ 80°F TEMP. RISE	140	208/3	PROVIDE GALVANIZED STEEL DRAIN PAN.
EWH-1C	AO SMITH DRE-52-12	50	(3) 4.0 SIMULTANEOUS	12.0	62 GPH @ 80°F TEMP. RISE	140	208/3	PROVIDE GALVANIZED STEEL DRAIN PAN.

RECIRCULATOR PUMP SCHEDULE (BASIS OF DESIGN)

TYPE	MANUFACTURER/ MODEL NO.	SERVICE	CAPACITY (GPM)	TDH (FT.)	MOTOR HORSEPOWER (HP)	ELECTRICAL CHARACTERISTICS (VOLT/ø)	AMPS	PUMP SEAL
RP-1B	TACO 006	HW CIRCULATOR	3	10	1/40	115 / 1	0.52	MECHANICAL
RP-1C	TACO 006	HW CIRCULATOR	3	10	1/40	115 / 1	0.52	MECHANICAL

EXPANSION TANK SCHEDULE (BASIS OF DESIGN)

TYPE	MANUFACTURER/MODEL NUMBER	TANK VOLUME (GALLONS)	MAXIMUM PRESSURE (PSI)	SERVICE
XT-1B	WATTS PLT-5	2.1	150	GWH-1
XT-1C	WATTS PLT-5	2.1	150	GWH-1

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PLUMBING EQUIPMENT SCHEDULES

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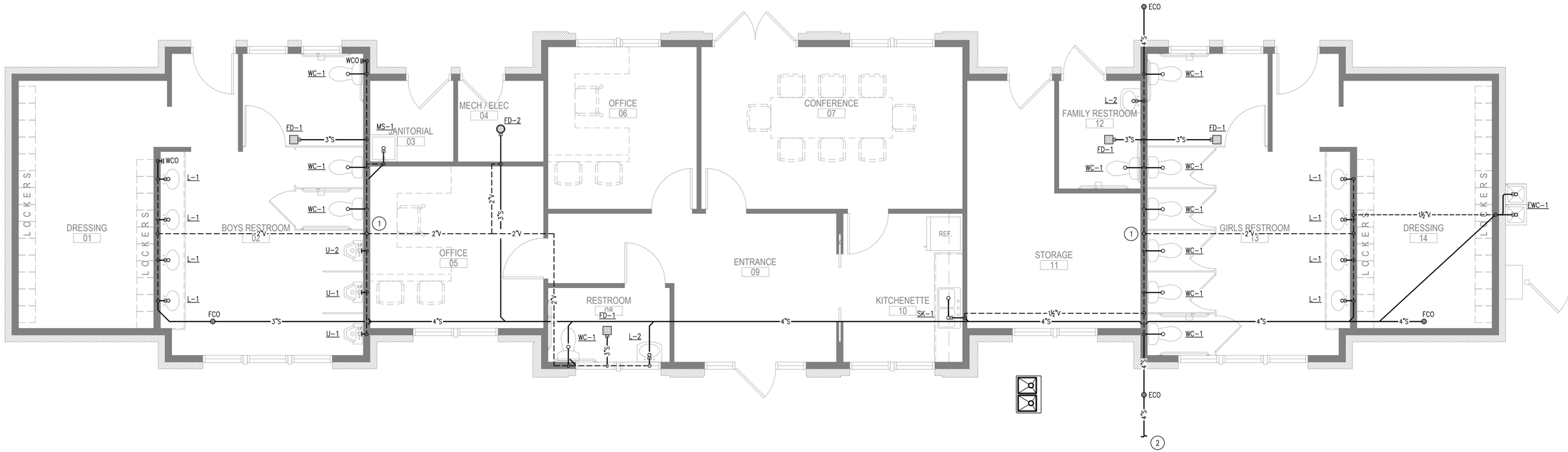

1 FLOOR PLAN - EAST - SANITARY

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

0 2' 4' 8'

PLUMBING KEYNOTES – SANITARY

1. 3"VTR.
2. SEE CIVIL DRAWINGS FOR CONTINUATION.

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH ANY EXISTING UTILITIES AND BELOW-GRADE EQUIPMENT WITHIN THE PROJECT SITE.
2. CONTRACTOR TO CLEAN ALL CONDENSATE LINES PRIOR TO PROJECT CLOSEOUT.
3. CONTRACTOR TO PROVIDE A VIDEO OF ALL SEWER LINES VERIFYING THEY ARE CLEAR TO THE CONNECTION TO THE SEWER MAIN AND CONFIRMATION OF SUFFICIENT PIPE SLOPES PRIOR TO STARTING CONSTRUCTION AND AT PROJECT CLOSEOUT. CONTRACTOR TO PROVIDE DVD TO OWNER.
4. ALL NEW PLUMBING FIXTURES SHALL BE INSTALLED AND ADJUSTED TO MEET ADA REQUIRED CLEARANCES AND STANDARDS.
5. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN THE EVENT OF CONFLICTING REQUIREMENTS CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT.

PIPE MATERIAL NOTES:

1. WITHIN THE STRUCTURE AND INSIDE THE PROPERTY LINES, EXCLUDING ANY DESIGNATED UTILITY EASEMENTS, THE FOLLOWING APPLIES: ALL DRAIN, WASTE AND VENT PIPING MATERIAL SHALL BE CAST IRON OR SCHEDULE 40 PVC. NO FOAM OR CELL CORE MATERIAL IS ALLOWED.
2. CONDENSATE PIPING SHALL BE TYPE L COPPER OR SCHEDULE 40 PVC.

PIPE INSULATION NOTES:

1. PIPE INSULATION SHALL BE ¾" CLOSED-CELL INSULATION, ARMAFLEX OR EQUAL.
2. INSULATE ALL CONDENSATE LINES.
3. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

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FLOOR PLAN - SANITARY

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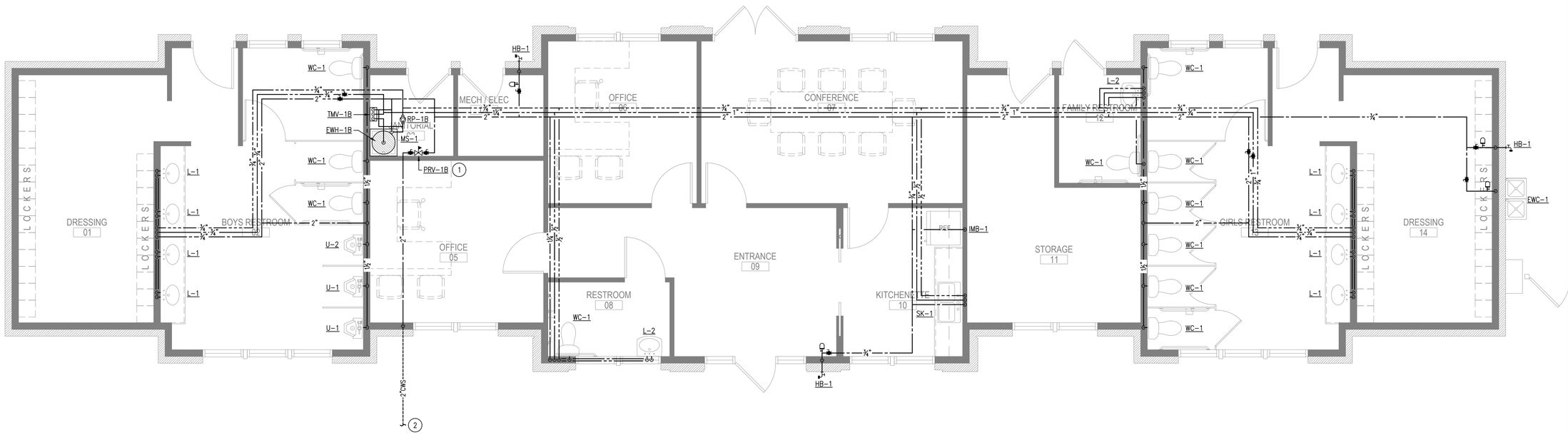

1 FLOOR PLAN - EAST - DOMESTIC WATER

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

0 2' 4' 8'

PLUMBING KEYNOTES – SANITARY

1. COLD WATER SHUT-OFF VALVE LOCATED IN JANITORIAL #03. SEE DETAIL 2/P2.3
2. SEE CIVIL DRAWINGS FOR CONTINUATION.

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3. LAVATORY/SINK SUPPLY VALVE LOCATIONS SHALL FIT WITHIN THE SINK DRAIN COVER/ SHROUD.
4. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN THE EVENT OF CONFLICTING REQUIREMENTS CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT.

PIPE MATERIAL NOTES:

1. WATER SERVICE AND WATER DISTRIBUTION PIPE SHALL BE OF TYPE L COPPER OR SCHEDULE 40 CPVC.

PIPE INSULATION NOTES:

1. PIPE INSULATION SHALL BE ¾" CLOSED-CELL INSULATION, ARMAFLEX OR EQUAL.
2. INSULATE ALL DOMESTIC HOT WATER LINES.
3. INSULATE ALL DOMESTIC COLD WATER LINES SUBJECT TO AMBIENT CONDITIONS.
4. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

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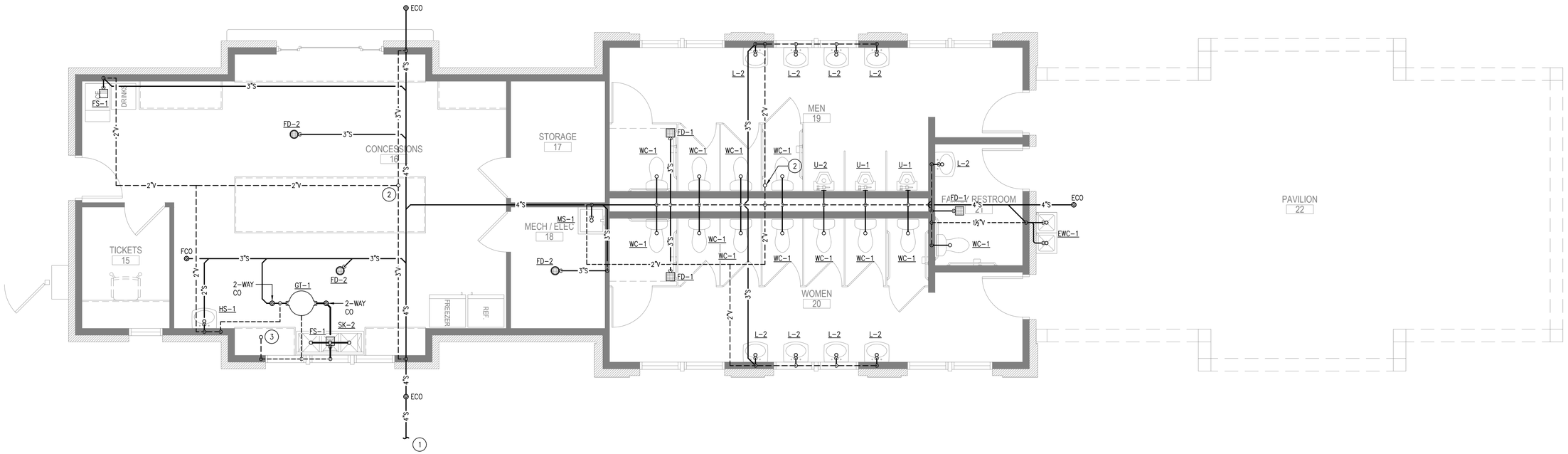

1 FLOOR PLAN - WEST - SANITARY

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

0 2' 4' 8'

PLUMBING KEYNOTES – SANITARY

1. SEE CIVIL DRAWINGS FOR CONTINUATION.
2. 3"VTR.
3. 3" FA VTR.

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH ANY EXISTING UTILITIES AND BELOW-GRADE EQUIPMENT WITHIN THE PROJECT SITE.
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3. CONTRACTOR TO PROVIDE A VIDEO OF ALL SEWER LINES VERIFYING THEY ARE CLEAR TO THE CONNECTION TO THE SEWER MAIN AND CONFIRMATION OF SUFFICIENT PIPE SLOPES PRIOR TO STARTING CONSTRUCTION AND AT PROJECT CLOSEOUT. CONTRACTOR TO PROVIDE DVD TO OWNER.
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PIPE INSULATION NOTES:

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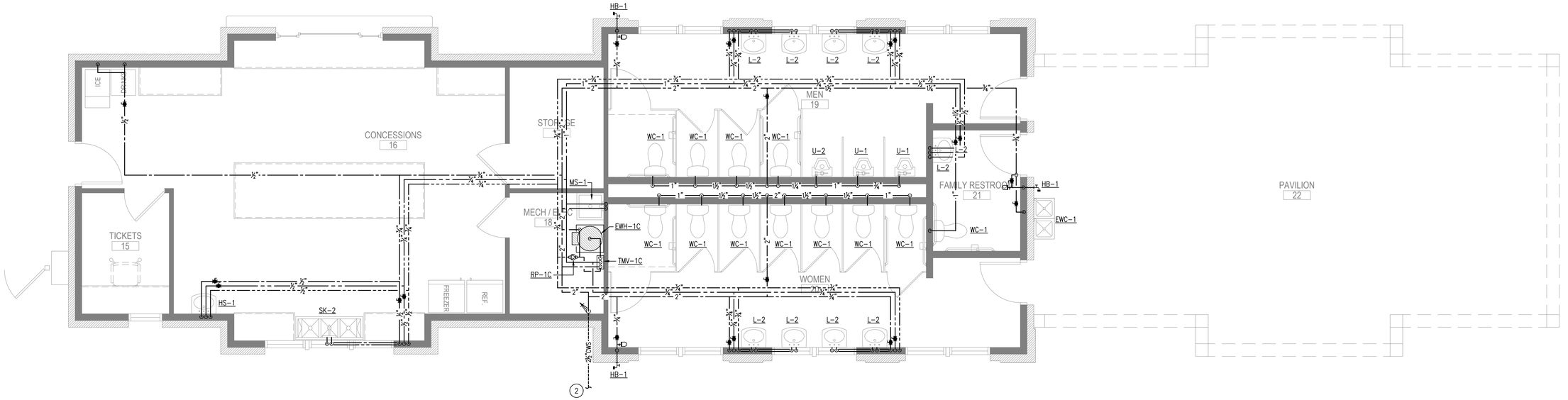

1 FLOOR PLAN - WEST - DOMESTIC WATER
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

PLUMBING KEYNOTES – SANITARY

1. DOMESTIC WATER RISER. SEE DETAIL 1/P2.3.
2. SEE CIVIL DRAWINGS FOR CONTINUATION.

GENERAL NOTES

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FLOOR PLAN - SANITARY

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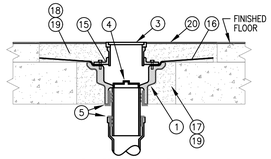
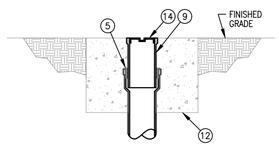
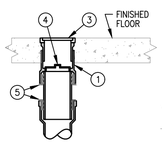


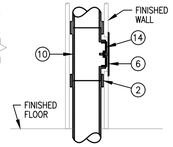
NEW INTERIOR CLEANOUT IN EXISTING FLOOR SLAB



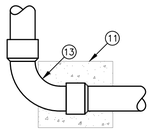
EXTERIOR CLEANOUT (ABBREVIATED ECO)



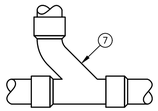
INTERIOR CLEANOUT (ABBREVIATED CO)



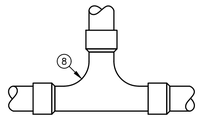
WALL CLEANOUT (ABBREVIATED WCO)



CLEANOUT AT END OF MAIN



CLEANOUT IN MAIN

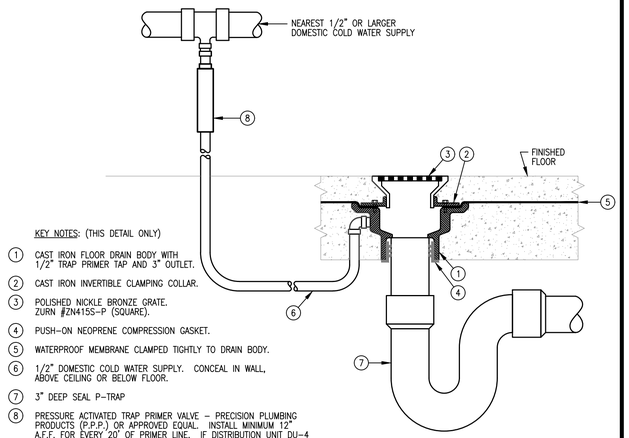


2-WAY CLEANOUT (USED AT JUNCTION OF BUILDING DRAIN AND BUILDING SEWER)

KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON 2-PIECE CLEANOUT BODY WITH ADJUSTABLE HEAD.
2. NO-HUB COUPLING (FOR ABOVE GROUND APPLICATION ONLY).
3. POLISHED NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET MARKER FOR CARPETED FLOORS).
4. BRONZE TAPERED THREAD, RAISED HEAD CLEANOUT PLUG.
5. PUSH-ON NEOPRENE RUBBER COMPRESSION GASKET.
6. STAINLESS STEEL ROUND WALL ACCESS COVER.
7. COMBINATION WYE AND EIGHTH BEND FITTING.
8. TWO-WAY CLEANOUT FITTING.
9. CAST IRON CLEANOUT FERRULE.
10. CAST IRON CLEANOUT TEE.
11. 12" x 12" x 12" CONCRETE THRUST BLOCK.
12. 24" x 24" x 12" CONCRETE PAD FLUSH WITH GRADE.
13. LONG SWEEP ELBOW.
14. BRONZE TAPERED THREAD, RECESSED HEAD CLEANOUT PLUG.
15. CAST IRON INVERTIBLE CLAMPING COLLAR.
16. NEW LEAD PAN FLASHING CLAMPED TIGHTLY TO DRAIN BODY. SEE ARCHITECTURAL PLANS.
17. BREAK OUT EXISTING STRUCTURAL CONCRETE FLOOR SLAB.
18. CUT TOPPING MINIMUM 12" BEYOND BROKEN-OUT STRUCTURAL FLOOR SLAB TO NEAREST FLOOR TILE JOINT TO ALLOW FOR INSTALLATION OF NEW LEAD PAN FLASHING.
19. GROUT SOLID AROUND NEW FLOOR DRAIN.
20. NEW FLOOR FINISH TO MATCH EXISTING.

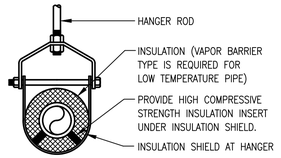
1 CLEANOUTS NTS



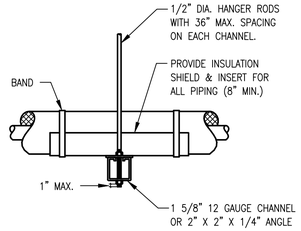
KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON FLOOR DRAIN BODY WITH 1/2" TRAP PRIMER TAP AND 3" OUTLET.
2. CAST IRON INVERTIBLE CLAMPING COLLAR.
3. POLISHED NICKLE BRONZE GRATE. ZURN #ZN415S-P (SQUARE).
4. PUSH-ON NEOPRENE COMPRESSION GASKET.
5. WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
6. 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR.
7. 3" DEEP SEAL P-TRAP
8. PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. LOCATE ABOVE CORRIDOR CEILING.

2 FLOOR DRAIN



ADJUSTABLE CLEVIS HANGER TYPE 1 IN SPECIFICATIONS



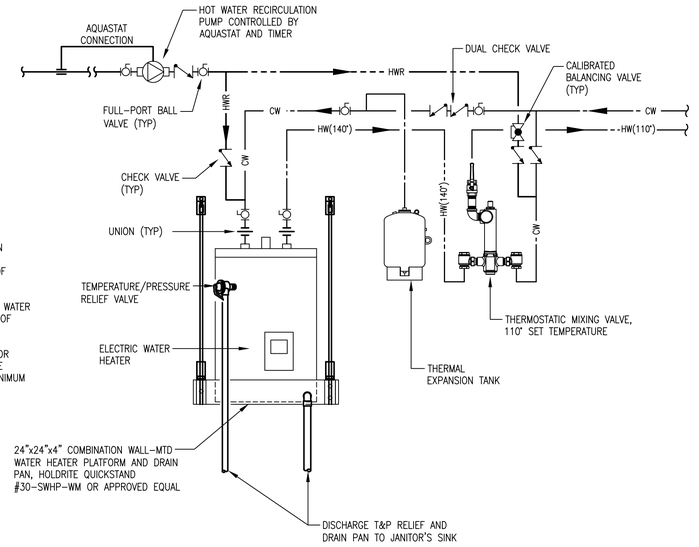
SIDE VIEW

TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

NOTES:

1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.
2. PROVIDE SPRING ISOLATORS FOR FIRST 3 HANGERS UP TO AND BEYOND EQUIPMENT CONNECTION AND/OR THROUGH OUT MECHANICAL ROOMS OR MEZZANINE AREAS.

3 TYPICAL PIPE HANGERS NTS



NOTES:

1. PROVIDE 3-POLE CONTACTOR IN POWER SUPPLY TO HEATER TO SHUT-OFF POWER BY MEANS OF AQUASTAT AND TIMER.
2. PROVIDE HEAT TRAPS ON COLD WATER INLET AND HOT WATER OUTLET OF WATER HEATER.
3. ENTIRE SUPPORT STRUCTURE FOR WATER HEATER SHALL HAVE THE CAPACITY OF SUPPORTING A MINIMUM OF 500 LBS. DEAD WEIGHT.

4 SHELF-MOUNTED ELECTRIC WATER HEATER DETAIL NTS

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Revisions:

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- TRACK AND FIELD -
CRENSHAW COUNTY, AL

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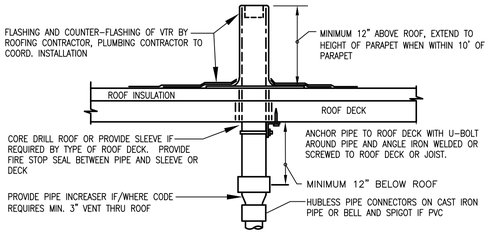
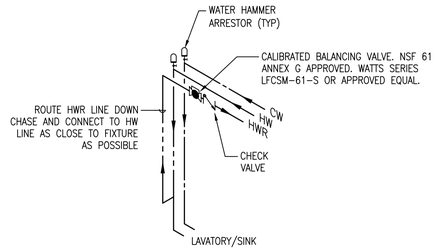


VTR NOTES:

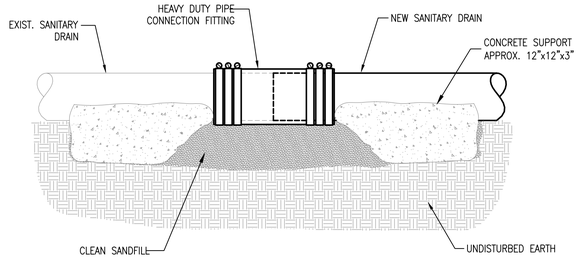
REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

1 TYPICAL VTR DETAIL NTS

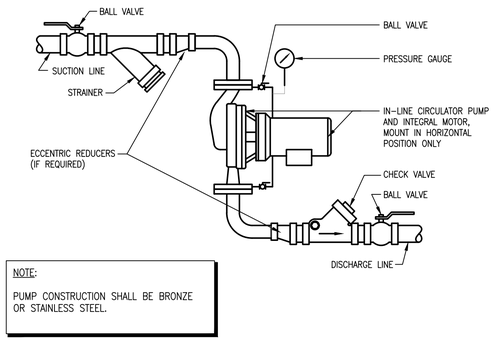


NOTE:
TYPICAL FOR ALL LAVATORIES AND SINKS ON A HOT WATER RETURN CIRCUIT UNLESS OTHERWISE NOTED.

3 HOT WATER RETURN CONNECTION NTS



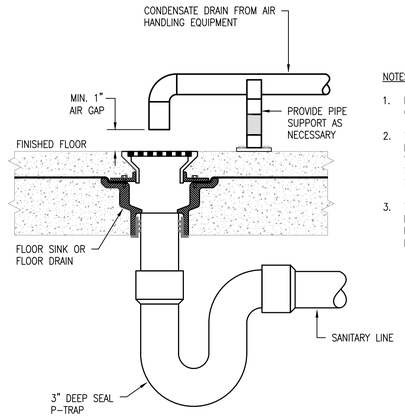
5 SANITARY MAIN CONNECTION DETAIL – NEW TO EXISTING NTS



NOTE:

PUMP CONSTRUCTION SHALL BE BRONZE OR STAINLESS STEEL.

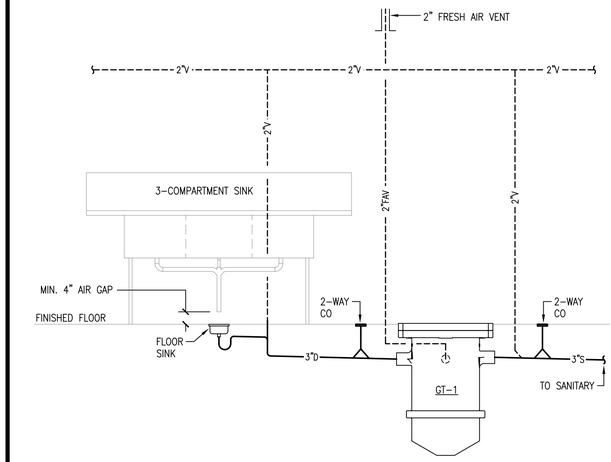
2 IN-LINE CIRCULATOR PUMP NTS



NOTES:

1. FOR AIR HANDLING UNITS, PROVIDE AN AIR GAP WHERE DRAINING INTO A FLOOR SINK.
2. THE AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOOD LEVEL RIM OF THE WASTE RECEPTOR SHALL BE NOT LESS THAN TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE.
3. THE MINIMUM AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOOD LEVEL RIM OF THE WASTE RECEPTOR SHALL BE 1".

4 INDIRECT CONNECTION AT FLOOR SINK/FLOOR DRAIN



6 GREASE TRAP DEAIL NTS

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Design By: TEP & RMA
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Revisions:

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- TRACK AND FIELD -
CRENSHAW COUNTY, AL

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ROBERT M. ANDERSON

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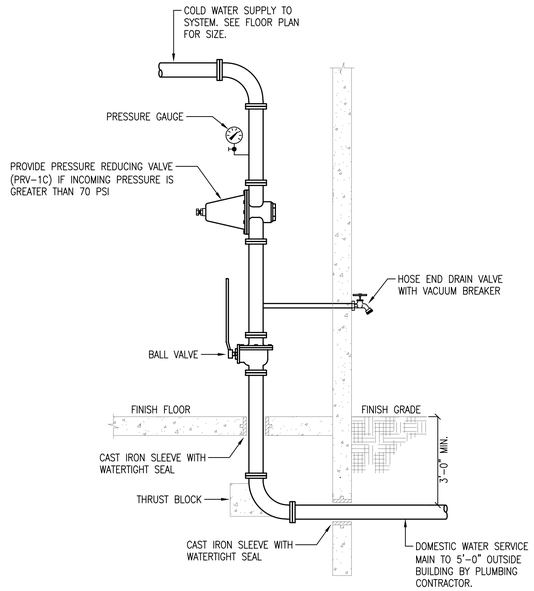
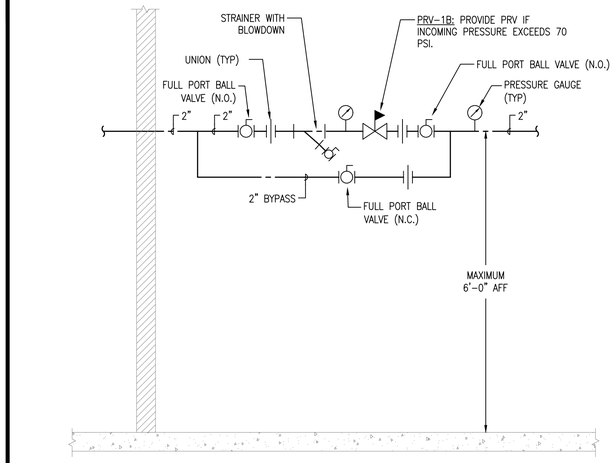


1 DOMESTIC SERVICE RISER DETAIL NTS



2 DOMESTIC SERVICE RISER DETAIL NTS

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ALABAMA LICENSED PROFESSIONAL ENGINEER No. 25048 ROBERT M. ANDERSON 10/25/2024

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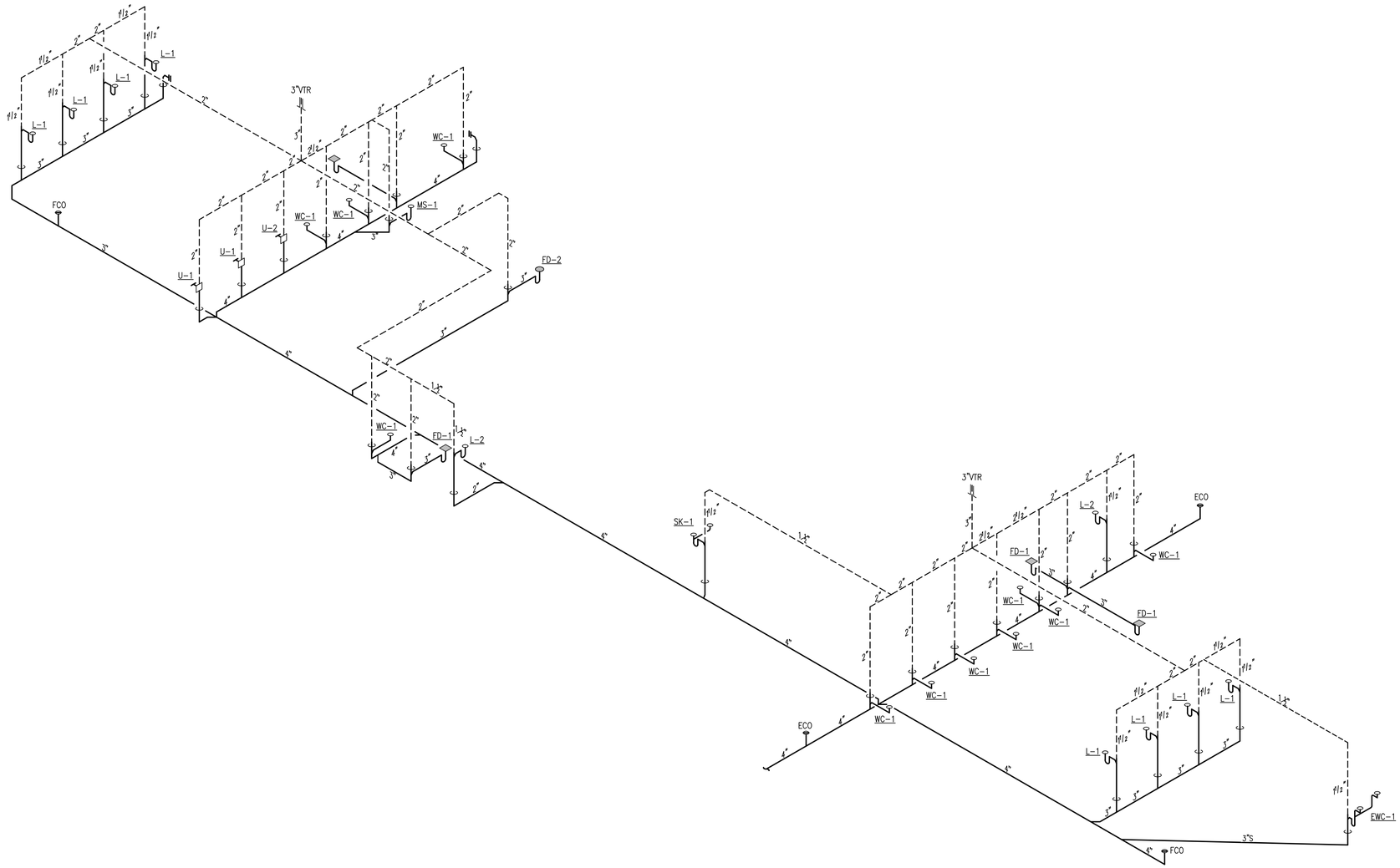

1 PLUMBING RISER - SANITARY - TRACK AND FIELD LOCKER ROOMS
NTS

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CRENSHAW COUNTY, AL

PLUMBING RISER

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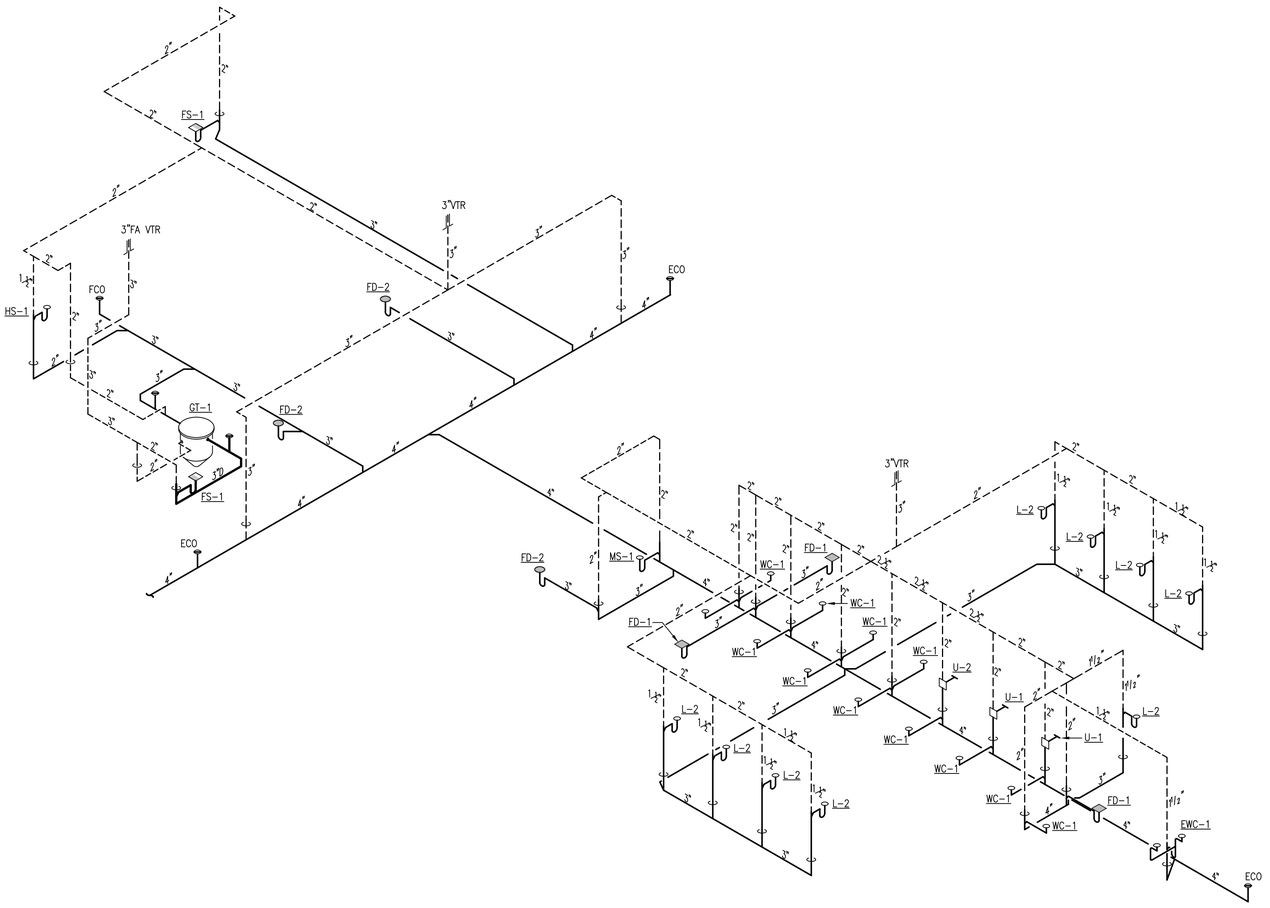

1 PLUMBING RISER - SANITARY - TRACK AND FIELD CONCESSIONS
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PLUMBING RISER

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Sheet Number

ELECTRICAL LEGEND

CEILING OUTLETS

- A (2) — RECESSED 2' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A (2) — RECESSED 2' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- A 2 — RECESSED 1' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A 2 — RECESSED 1' X 4' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- A (2) — RECESSED 2' X 2' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A (2) — RECESSED 2' X 2' LIGHT FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- FS 2 — SURFACE OR PENDANT MOUNTED LIGHT STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL
- FS 2 — SURFACE OR PENDANT MOUNTED LIGHT STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- (J) — JUNCTION BOX
- ⊗ — EXIT LIGHT
- EF — EXHAUST FAN

WALL OUTLETS

1. ALL 120V RECEPTACLES ON THIS PROJECT SHALL BE TAMPER PROOF TYPE PER THE NATIONAL ELECTRIC CODE.

- ⊗ — WALL MOUNTED COMBO EXIT LIGHT/EMERGENCY
- ○ — WALL MOUNTED LIGHTING FIXTURE
- ● — WALL MOUNTED LIGHTING FIXTURE "EMERGENCY POWER"
- BATTERY OPERATED EMERGENCY WALL PACK
- W — DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE; OUTLET BOX HOODS SHALL BE IDENTIFIED AS "EXTRA-DUTY"
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G — DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G — DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 3 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
- SINGLE RECEPTACLE – 30 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA L6-30R. MOUNT AS DIRECTED FOR RACK UPS SYSTEM
- (J)H — JUNCTION BOX SIZE NOTED OR REQUIRED, WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- (P) — PHOTOCELL; TORK MODEL 2101 (120V)

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- S — A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- S_3 — A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- S_M — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 20 AMP, 120/277 VOLT
- 30/1 S_M — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 30 AMP, 120/277 VOLT
- S_{M2} — MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS DOUBLE POLE SINGLE THROW, A.C. TYPE, 30 AMP, 208 VOLT
- S_T — PRESET INTERVAL TIMER SWITCH, HUBBELL TD-300 SERIES OR EQUALS
- PUSH BUTTON, TOGGLE SWITCH, ROTARY SWITCH, ETC., FURNISHED WITH EQUIPMENT BY OTHERS, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.

TELEPHONE & TELEVISION SYSTEMS

- TBB — TELEPHONE BACKBOARD – 3/4" EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH, SIZE AS SHOWN
- SINGLE GANG JUNCTION BOX AT 18" AFF WITH 3/4" CONDUIT WITH PULL STRING BACK TO TBB. "C" DENOTES ABOVE COUNTER

PANELS AND POWER

- PANELBOARD
- PANELBOARD FLUSH MOUNTED
- FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING; FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS

MISCELLANEOUS EQUIPMENT

- (WH) — WATER HEATER

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GRADE
- RUN CONCEALED IN CEILING OR WALLS
- LA-1 — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND – 3/4" C; ### 3 #12, 1 #12 GROUND – 3/4" C; ### 4 #12, 1 #12 GROUND – 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- 10 / LA-1 — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #10, 1 #10 GROUND – 3/4" C; 10### 3 #10, 1 #10 GROUND – 3/4" C; 10### 4 #10, 1 #10 GROUND – 1" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- 8 / LA-1 — HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #8, 1 #10 GROUND – 1" C; 8### 3 #8, 1 #10 GROUND – 3/4" C; 8### 4 #8, 1 #10 GROUND – 1 1/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- 6 — WHERE A NUMBER IS SHOWN NEXT TO OR ON THE CIRCUIT OR HOMERUN, THE NUMBER INDICATES CONDUCTOR SIZE OTHER THAN #12 – NUMBER #6 CONDUCTORS INDICATED. PROVIDE GROUND SIZED PER NEC TABLE 250-95 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES
- E — EMPTY CONDUIT WITH PULLWIRE RUN CONCEALED IN CEILING OR WALLS

MISCELLANEOUS

A	AMPERE	NEC	NATIONAL ELECTRICAL CODE
ADA	AMERICANS WITH DISABILITIES ACT	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
AFF	ABOVE FINISH FLOOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AIC	AMPERE INTERRUPTING CAPACITY	NL	NIGHT LIGHT
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
C	CONDUIT	P	POLE
CL	CENTER LINE	PF	POWER FACTOR
CWP	COLD WATER PIPE	PH	PHASE
EM	EMERGENCY	PNL	PANEL
EMT	ELECTRIC METALLIC TUBING	PVC	PVC (POLYVINYL CHLORIDE) CONDUIT
GFI	GROUND FAULT INTERRUPTER	SLD	SINGLE LINE DIAGRAM
GRC	GALVANIZED RIGID METAL CONDUIT	TBB	TELEPHONE BACKBOARD
GRD	GROUND	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSORS
MCB	MAIN CIRCUIT BREAKER	UL	UNDERWRITER'S LABORATORY
MCC	MOTOR CONTROL CENTER	U.N.O.	UNLESS NOTED OTHERWISE
MLO	MAIN LUGS ONLY	V	VOLTAGE
MT	MOUNT	W	WIRE
N	NEUTRAL	WP	WEATHERPROOF
NIC	NOT IN CONTRACT	#	NUMBER
		3R	NEMA 3R WEATHERPROOF ENCLOSURE
		4X	NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

GENERAL ELECTRICAL NOTES:

1. THE SERVICE VOLTAGE TO THE FACILITY SHALL BE 208/120V, 3PH, 4-WIRE.
2. INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
3. MAINTAIN ALL CLEARANCES FOR ELECTRICAL EQUIPMENT PER THE NEC.
4. COORDINATE ROUGH-IN OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. AVOID ALL BACKSPLASHES AT COUNTERS.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD, AND COORDINATING WORK WITH OTHER TRADES TO AVOID CONFLICTS.
6. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGH-IN OF LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION.
7. THE LOCATION OF OUTLETS, FIXTURES, AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE, OFFSET AS NEEDED OR AS REQUESTED BY THE OWNER. THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ANY ADDITIONAL COST.
8. COORDINATE EXACT LOCATION OF ALL ELECTRICAL FLOOR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
9. ALL CONDUIT SIZE SHALL BE A MINIMUM 3/4" UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS.
10. ALL ELECTRICAL RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WITHIN THE CONFINES OF THE BUILDING FOUNDATIONS EXCEPT THOSE SPECIFICALLY SERVING LOADS OR EQUIPMENT EXTERIOR OF THE BUILDING. ALL SUCH RACEWAYS SHALL BE A MINIMUM 18" INSIDE FOUNDATIONS AND POWER AND COMMUNICATIONS RACEWAYS SHALL BE SEPARATED BY A MINIMUM 18".
11. ALL CONDUITS INSTALLED UNDERFLOOR SHALL BE ROUTED UNDER STRUCTURAL CONCRETE FLOOR SLABS. CONTRACTOR SHALL NOT INSTALL CONDUITS IN CONCRETE FLOORING WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. CONDUITS PENETRATING THRU CONCRETE FLOORS SHALL ADHERE TO THE ELECTRICAL SPECIFICATIONS AND RECOMMENDATIONS OF THE STRUCTURAL ENGINEER.
12. ALL RACEWAYS INSTALLED ON EXTERIOR OF THE BUILDING, INCLUDING CONDUIT UNDER CANOPIES, SHALL BE GRC. EMT WILL NOT BE ACCEPTED.
13. ALL RACEWAYS SHALL BE SUPPORTED PER NEC AND AT LEAST EVERY 10' AND WITHIN 3' OF EVERY JUNCTION BOX. RACEWAYS SUPPORTED ON BOTTOM OF SECONDARY CEILING SHALL BE SUPPORTED FROM THE STRUCTURE NOT FROM THE GYPBOARD CEILING.
14. ALL EMPTY WALL MOUNTED JUNCTION BOXES SHALL BE PROVIDED WITH A WALL BLANK AND ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A PULL WIRES.
15. PROVIDE ALL CONDUIT STUBS WITH A PROTECTIVE COLLAR.
16. INSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER INTERNATIONAL BUILDING CODE 712 AND WITH AN UL APPROVED DEVICE OR FIRE CAULK. REFER TO ARCHITECTURAL PLANS FOR THE LOCATIONS OF RATED FIRE WALLS AND UL ASSEMBLY LOCATIONS AND TYPES AND BID ACCORDINGLY.
17. PROVIDE A CONDUIT EXPANSION JOINTS WITH BONDING JUMPER IN ALL CONDUITS CROSSING AN EXPANSION JOINT. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
18. ALL UNDERGROUND CONDUITS RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE.
19. ALL FLEXIBLE CONDUITS ON THE EXTERIOR, IN WET LOCATIONS OR ANY MECHANICAL ROOM SHALL BE LIQUID TIGHT WITH SUITABLE FITTINGS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING AROUND DEVICES, PENETRATIONS, OUTLETS, AND CONDUITS THAT PENETRATE THE WALLS ABOVE THE CEILING TO MAINTAIN SOUNDPROOFING. CONTRACTOR SHALL VERIFY THAT THE OPENINGS SIZES ARE LESS THAN 1/2" ON ALL SIDES OF THE PENETRATIONS. ALL OPENINGS IN EXCESS OF 1/2" SHALL BE CAULKED/SEALED WITH SHEET ROCK MUD. THE DRYWALL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING PENETRATIONS IN PLACE WHEN THE SHEETROCK ARE INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS FINISHED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
21. HVAC EQUIPMENT POWER WIRING SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONTROL EQUIPMENT AND CONTROL WIRING SHALL BE FURNISHED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. PROVIDE 3/4" CONDUITS WITH PULL WIRE BETWEEN INSIDE AND OUTSIDE UNITS, THERMOSTAT & HUMIDISTATS OUTLETS AND UNITS AND/OR MECHANICAL CONTROL PANEL AS APPLICABLE. THERMOSTAT OUTLETS SHALL BE 4" SQUARE OUTLETS, FLUSH MOUNTED WITH SINGLE GANG OR DOUBLE GANG PLASTER RINGS AS DIRECTED BY THE HVAC CONTRACTOR. COORDINATE EXACT LOCATION OF ALL EQUIPMENT, DEVICES, OUTLETS, ETC, WITH THE MECHANICAL DRAWINGS AND DIVISION 15 SPECIFICATIONS. COORDINATE WITH THE HVAC CONTRACTOR FOR EXACT LOCATIONS OF ALL EQUIPMENT.
22. ALL EMERGENCY LIGHTS AND EXIT SIGNS SHALL HAVE AN EMERGENCY BATTERY BALLAST CONNECTED AHEAD OF LOCAL SWITCHING.
23. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS. PROVIDE PROPER NUMBER OF POWER PACKS AND LOCATE POWER PACKS AND OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
24. ALL JUNCTION BOX COVERS ABOVE THE CEILING SHALL BE CLEARLY MARKED WITH WHICH CIRCUITS OR ELECTRICAL SYSTEM THEY CONTAIN.

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Project #: 22-42

Design By: J. TILLERY

Project Date: 10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

ELECTRICAL LEGEND & NOTES

ALABAMA
No. 26958
PROFESSIONAL
10-25-2024
ENGINEER
KENNETH RAY GUNN, JR.

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Sheet Number

SITE LEGEND

——OP—— OVERHEAD PRIMARY

— —UP— — UNDERGROUND PRIMARY

— —US— — UNDERGROUND SECONDARY

— —UC— — UNDERGROUND COMMUNICATIONS

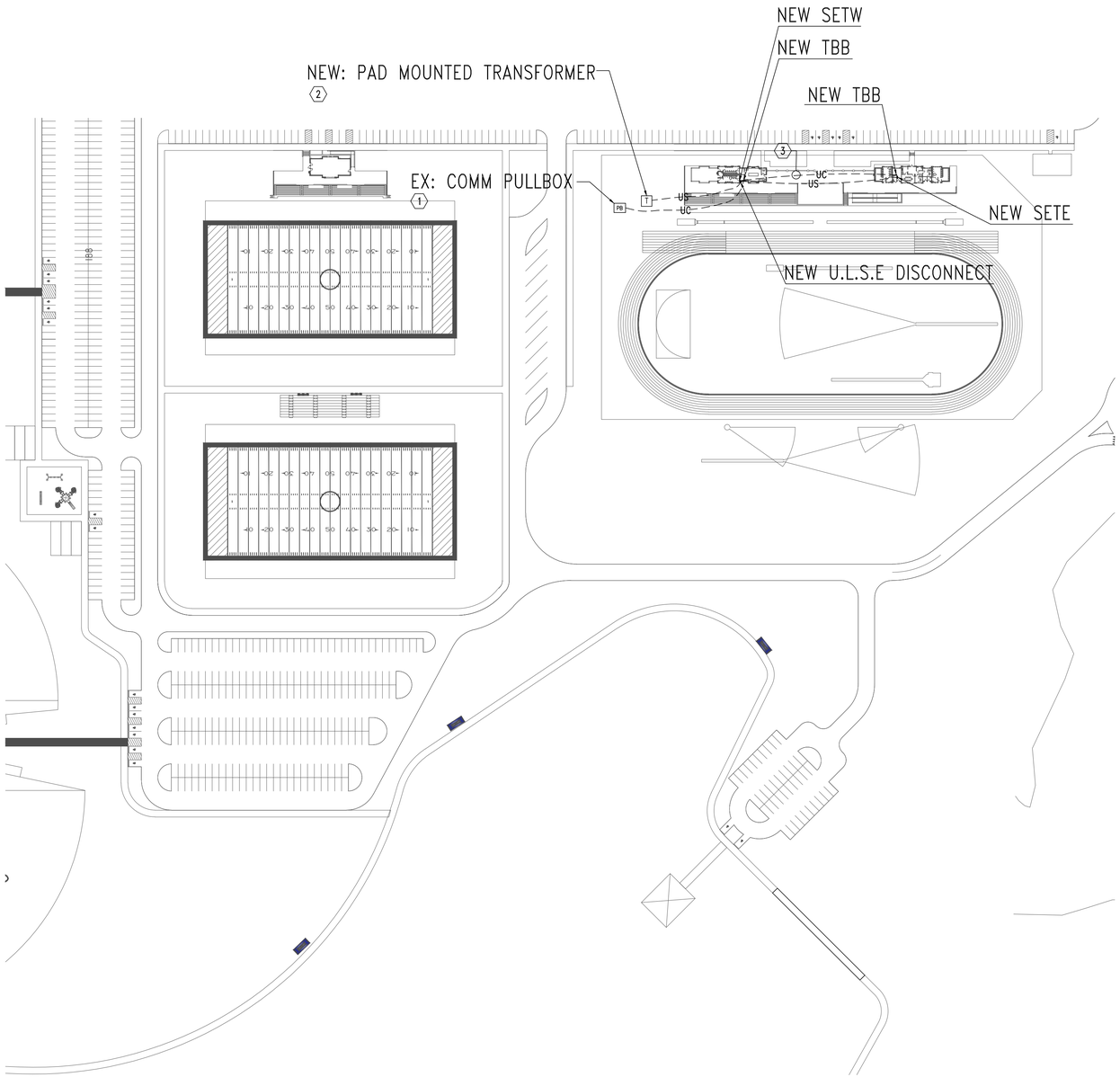
T — PAD MOUNTED TRANSFORMER

PB — TELECOMMUNICATIONS PULL BOX, HIGHLINE NO. PHA243624HM2 OR APPROVED EQUAL BY OLDCASTLE OR HUBBELL.

W — 8"X8"X4" WEATHERPROOF JUNCTION BOX. INSTALL TOP OF BOX FLUSH WITH GRADE.

GENERAL NOTES:

1. LOCATIONS OF RISER POLES, AND TRANSFORMERS SHALL BE COORDINATED PRIOR TO BIDS. ADJUST FEEDER AND CONDUIT LENGTHS ACCORDINGLY. PAY ALL UTILITY COMPANY FEES. BID ACCORDINGLY.
2. COORDINATE WITH POWER RISER DIAGRAMS FOR FEEDER AND CONDUIT SIZES AND ALL OTHER ADDITIONAL REQUIREMENTS NOT SHOWN ON SITE PLAN.
3. ALL UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE. PRIMARY CONDUIT SHALL BE MINIMUM 48" BELOW GRADE.
4. ALL ROUTING IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
5. CONTRACTOR SHALL LABEL ALL CONDUITS ENTERING AND EXITING COMMUNICATIONS HAND HOLES AND BACKBOARDS.



UNDERGROUND UTILITY NOTES:

1. THE UNDERGROUND UTILITY PORTION OF THIS PROJECT CONSISTS OF BUT IS NOT LIMITED TO:
   a. TRENCHING/BACKFILLING FOR DUCT LINES AND CONDUIT SYSTEMS
   b. DUCTBANK INSTALLATIONS
   c. LOW VOLTAGE CONDUCTOR INSTALLATION
   d. PATCH/REPAIR ALL DAMAGED SURFACES AS A RESULT OF DUCTLINE INSTALLATIONS
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE NATIONAL ELECTRICAL CODE (NEC).
3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, SUPPORTS, FRAMES, CASES, CONDUIT SYSTEMS AND SURGE ARRESTORS, CABLE SHEATHS, CABLE SHIELDS, COMMON NEUTRALS, ETC., SHALL BE GROUNDED. UNLESS NOTED OTHERWISE CONNECTIONS BELOW GRADE SHALL BE FUSION-WELDED AND ABOVE GRADE FUSION-WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
6. UNLESS OTHERWISE SHOWN OR DIRECTED DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES. WHERE DUCT LINES ARE REQUIRED TO CROSS OTHER UTILITIES SUCH AS SEWERS, WATER LINES, OTHER POWER LINES, COMMUNICATION LINES, ETC., ADEQUATE SUPPORT SHALL BE PROVIDED ON EACH SIDE OF THE CROSSING TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE OTHER LINE. DUCT LINES SHALL BE SO INSTALLED AS TO PREVENT HEAT TRANSFER BETWEEN ANY HEAT PRODUCING LINES AND/OR EQUIPMENT TO DUCT LINES.
   a. ROUTING SHOWN ON DRAWINGS IS TYPICAL AND THE CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED UPON ACTUAL FIELD DIMENSIONS, CONDITIONS AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
   b. PRIOR TO TRENCHING, THE CONTRACTOR SHALL STAKE OUT THE ENTIRE NETWORK ARRANGEMENT. ONE GRADE A WOODEN STAKE WITH RED FLAG SHALL BE DRIVEN EVERY 50'-0" AND AT EACH CHANGE OF DIRECTION. FOUR STAKES SHALL BE DRIVEN TO OUTLINE EQUIPMENT AND/OR MANHOLE LOCATIONS. ON PAVEMENTS RED PAINT SHALL BE USED TO OUTLINE THE AREAS TO BE CUT. SECURE EXISTING UNDERGROUND UTILITY INFORMATION FROM THE CONTRACTING OFFICER PRIOR TO PERFORMING ANY TRENCHING.
   c. DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, COMPENSATIONS FOR RADIUS OF VERTICAL TRANSITIONS, EXISTING UTILITY CROSSINGS, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED. TRENCHES SHALL BE OVER-EXCAVATED AS NECESSARY TO ALLOW FOR PROPER TRENCH PREPARATION, DUCT BANK CONSTRUCTION, FORMING AND/OR BACKFILLING REQUIREMENTS.
   d. ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH GEOTECHNICAL REPORT AND DIVISION 200.

SHEET NOTES:

1. CONTRACTOR SHALL PROVIDE TWO (2) 2" UNDERGROUND CONDUITS FROM EXISTING PULLBOX TO TBB IN IN NEW BUILDING WITH 1500LB MULE TAPE IN EACH CONDUIT. CONDUITS SHALL BE 36" BELOW GRADE. VERIFY LOCATION PRIOR TO BIDS AND ADJUST SECONDARY LENGTHS.
2. PROVIDE NEW CONCRETE PAD FOR THE UTILITY PAD MOUNTED TRANSFORMER. INTERCEPT UNDERGROUND PRIMARY CONDUIT PROVIDED IN PREVIOUS PACKAGE AND TURN UP IN PRIMARY COMPARTMENT OF TRANSFORMER. PROVIDE METERING AS DIRECTED BY LOCAL UTILITY COMPANY. CONNECT NEW UNDERGROUND SECONDARY TO THE NEW UTILITY PAD MOUNTED TRANSFORMER. VERIFY LOCATION PRIOR TO BIDS AND ADJUST SECONDARY LENGTHS. STUB FOUR ADDITIONAL 4" CONDUITS OUT OF THE SECONDARY COMPARTMENT FOR FUTURE BALLFIELD LIGHTING AND FUTURE BUILDING.
3. CONTRACTOR SHALL PROVIDE TWO (2) 2" UNDERGROUND CONDUITS FROM TBB TO TBB BETWEEN BUILDINGS WITH 1500LB MULE TAPE IN EACH CONDUIT. CONDUITS SHALL BE 36" BELOW GRADE. VERIFY LOCATION PRIOR TO BIDS AND ADJUST SECONDARY LENGTHS.

SCALE: 1" = 100'-0

100' 0 50' 100'

GRAPHIC SCALE

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Project #: 22-42

Design By: J. TILLERY

Project Date: 10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX - TRACK AND FIELD - CRENSHAW COUNTY, AL

SITE PLAN - ELECTRICAL

ALABAMA
No. 26986
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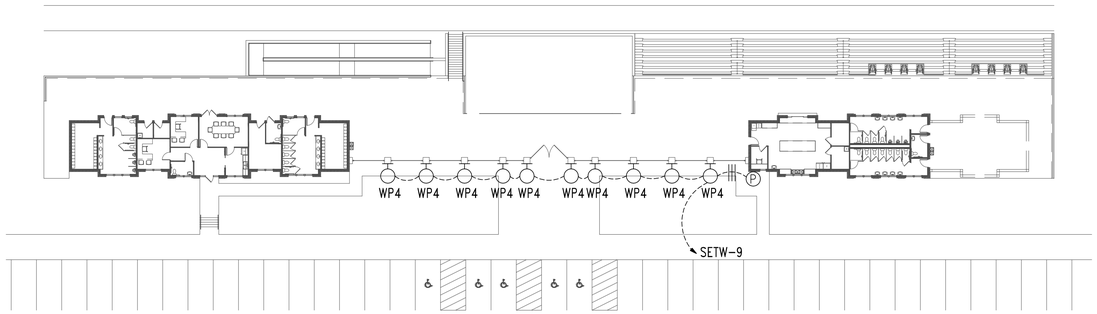
10-25-2024

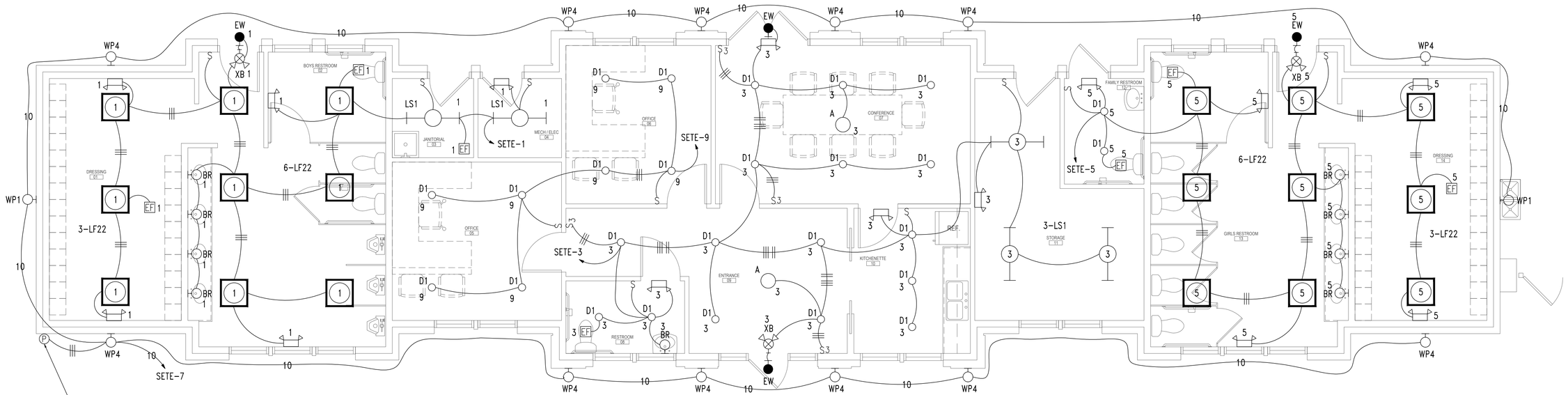
E1.1

Sheet Number



2 E2.1 TRACK & FIELD OVERALL FLOOR PLAN - SITE LIGHTING

SCALE: 1" = 30'-0"



1 E2.1 TRACK & FIELD EAST FLOOR PLAN - LIGHTING

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

1/4" = 1'-0

4' 0 4 8 FT.

GRAPHIC SCALE

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CRENSHAW COUNTY
SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

TRACK & FIELD EAST
FLOOR PLAN - LIGHTING

ALABAMA
Kenneth R. Gunn
No. 26958
PROFESSIONAL
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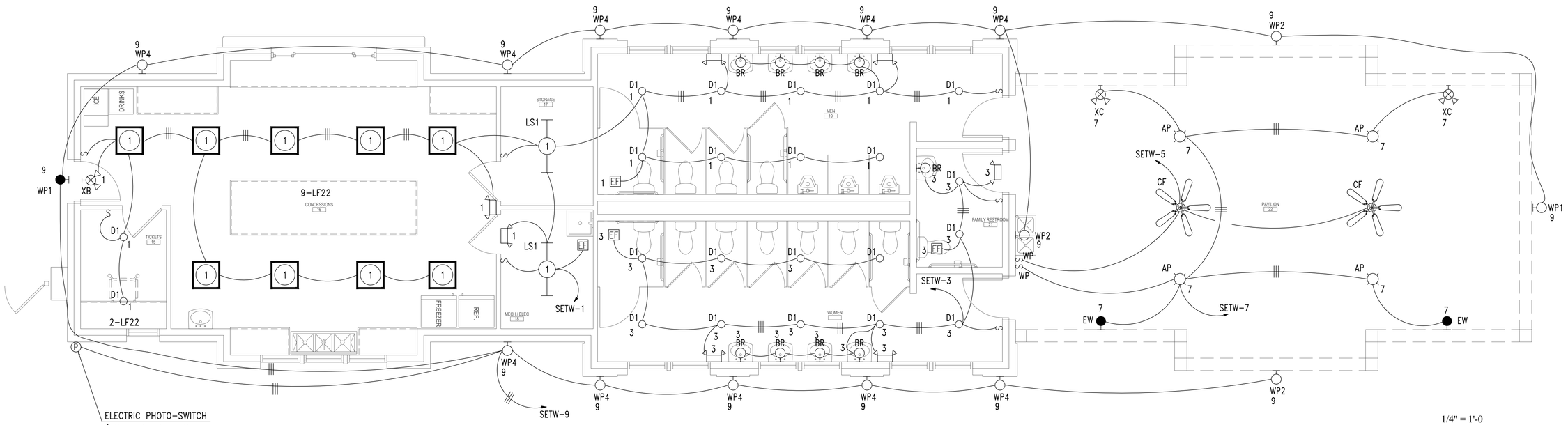
E2.1
Sheet Number



1 E2.2 TRACK & FIELD WEST FLOOR PLAN - LIGHTING

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

1/4" = 1'-0

4' 0 4 8 FT.

GRAPHIC SCALE

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Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

TRACK & FIELD WEST
FLOOR PLAN - LIGHTING

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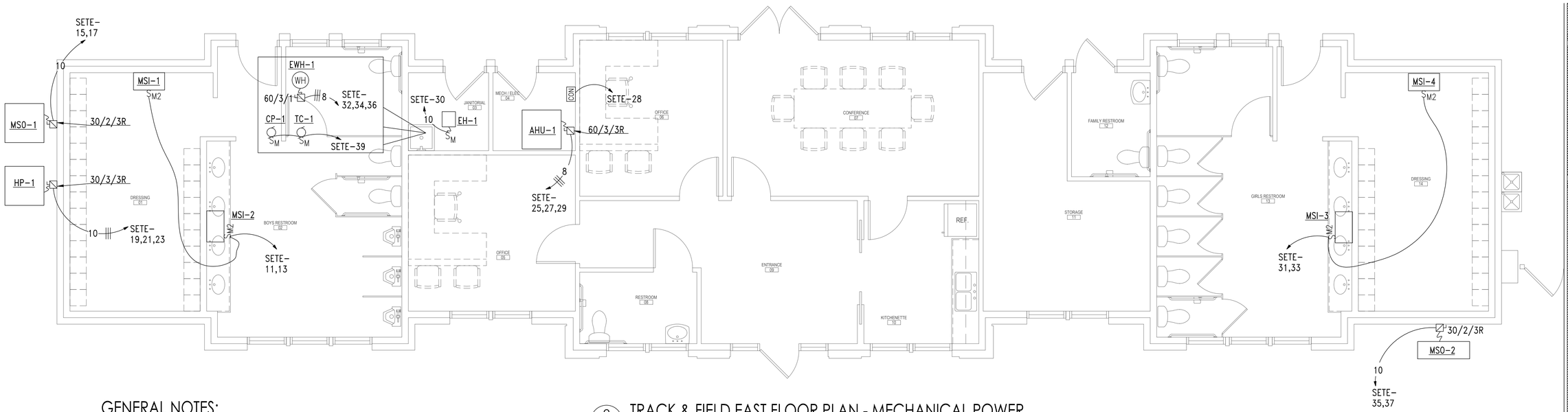
E2.2

Sheet Number

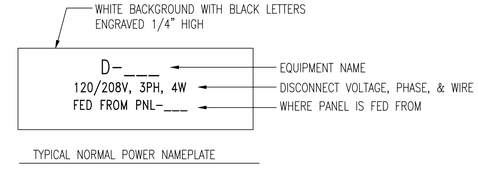


GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (2) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL 1/E4.2 SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.
9. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.

2 / E3.1 TRACK & FIELD EAST FLOOR PLAN - MECHANICAL POWER

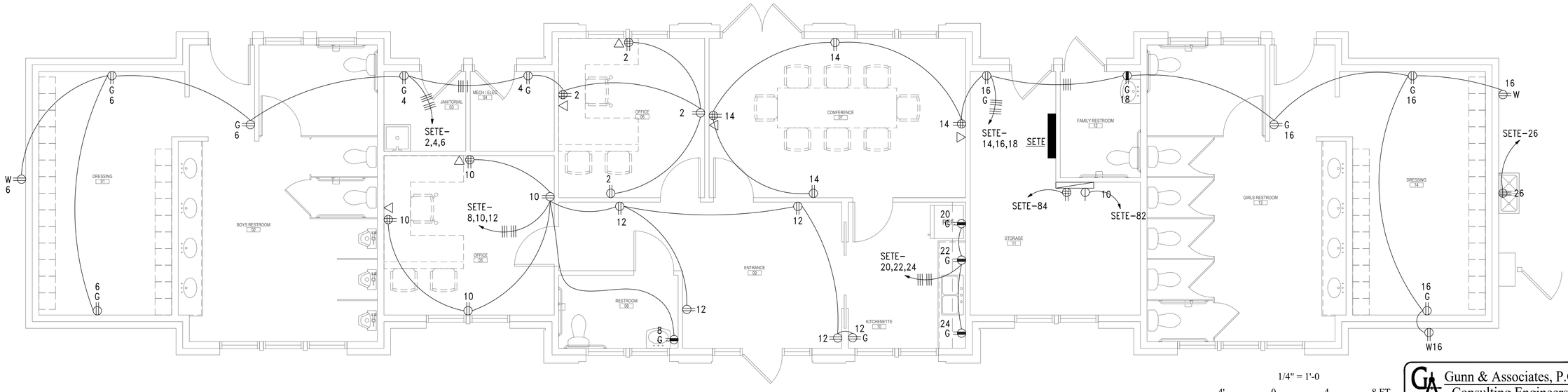
SCALE: 1/4"=1'-0"



TYPICAL NORMAL POWER NAMEPLATE

3 / E3.2 DETAIL - TYPICAL DISCONNECT NAMEPLATE

NO SCALE



1 / E3.1 TRACK & FIELD EAST FLOOR PLAN - POWER

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

1/4" = 1'-0

4' 0 4 8 FT.

GRAPHIC SCALE

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CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

TRACK & FIELD EAST FLOOR PLAN - POWER

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ENGINEER

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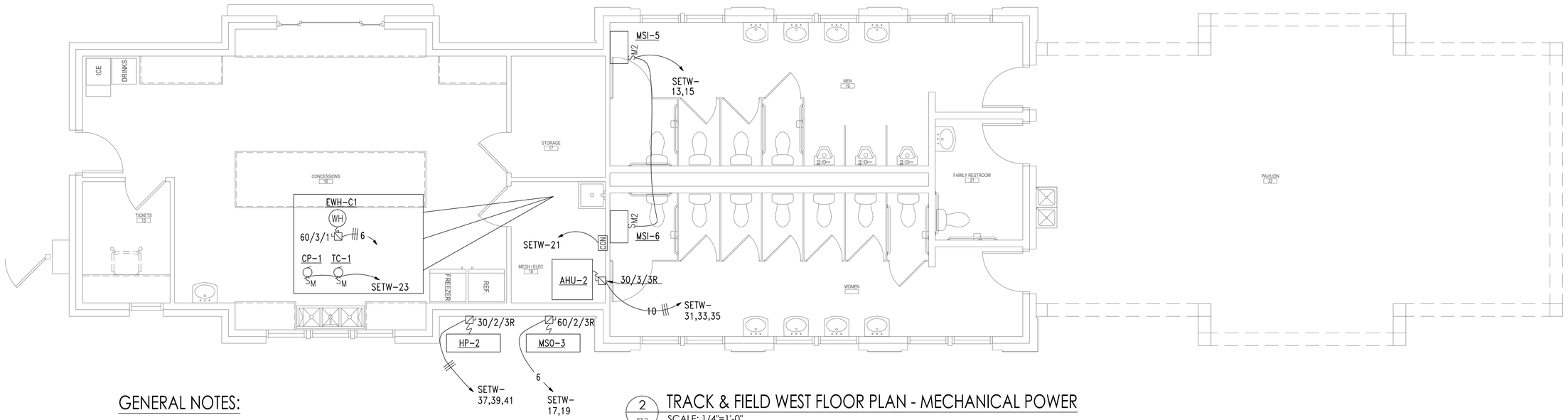

2 E3.2 TRACK & FIELD WEST FLOOR PLAN - MECHANICAL POWER

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

GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
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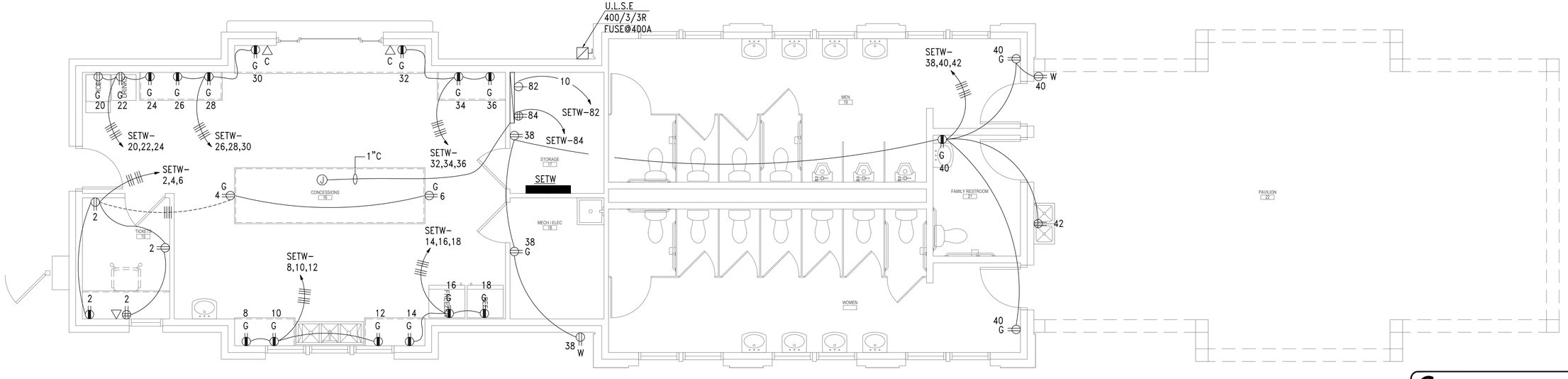
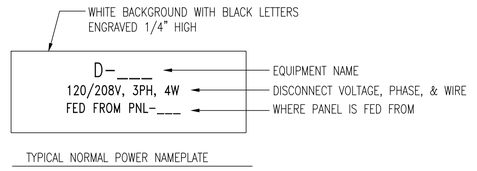
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (2) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL SHEET 1/E4.2 FOR MECHANICAL UNIT CONNECTION DETAIL.
9. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.



1 E3.2 TRACK & FIELD WEST FLOOR PLAN - POWER

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



TYPICAL NORMAL POWER NAMEPLATE

3 E3.2 DETAIL - TYPICAL DISCONNECT NAMEPLATE

NO SCALE

1/4" = 1'-0

4' 0 4 8 FT.

GRAPHIC SCALE

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CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

TRACK & FIELD WEST FLOOR PLAN - POWER

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E3.2

Sheet Number

LIGHTING FIXTURE SCHEDULE

TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	LAMP TYPE:	LAMP QUANTITY:	DESCRIPTION:
A	ALCORN NO 12235 OR PRIOR APPROVED EQUALS BY FOCAL POINT OR COOPER	120	SUSPENDED	LED	1750 LUMEN	3' ROUND LED RING PENDANT LIGHT
AP	COOPER TT-02-740-U-WQ-COLOR BY ARCH OR PRIOR APPROVED EQUALS BY CURRENT OR PHILLIPS	MVOLT	SURFACE	LED	5,500 LUMEN	LED ROUND SURFACE MOUNTED LIGHT THAT IS DAMP RATED
BR	PROGRESS NO. P300328-009 OR PRIOR APPROVED EQUAL BY WILLIAMS, OR COOPER	MVOLT	WALL	LED	TWO LED BULBS	MERRY COLLECTION TWO - LIGHT BRUSHED NICKEL & ETCHED GLASS TRANSITIONAL SYTLE BATH VANITY WALL LIGHT. PROVIDE WITH LED BULBS WITH AT LEAST 1000-LUMENS PER BULB
CF	PROGRESS NO. AIR PRO 52 INCH CEILING FAN		SURFACE			EXTERIOR CELING FAN WITH 52 INCH BLADES. NO LIGHT KIT INCLUDED.
D1	PRESCOLITE NO. LTR-6ED-H-ML-DM1-LV-EMR-XL-40K-8-WD OR PRIOR APPROVED EQUAL BY WILLIAMS, OR COOPER	MVOLT	RECESSED	LED	2000 LUMEN	6 INCH 2000 LUMEN LED DOWNLIGHT 4000K TEMPETURE LAMPS AND FEATURE REMOTE PHOSPHOR TECHNOLOGY ENABLING A HIGH SYSTEM EFFICACY AND MINIMUM 80 CRI. 0-10V DIMMING
EW	COMPASS NO. CUWZ-PC OR EQUALS BY COOPER & PHILLIPS	MVOLT	WALL	LED	1000 LUMEN	LED EXTERIOR EMERGENCY WALL UNIT
LF22	HUBBELL NO. SRP22-40VLHE-G-EDU-FK22 OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	RECESSED FLANGE	LED	4000 LUMEN	2'X2' 4000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE. PROVIDE WITH FLANGE KIT. 4000K
LS1	HUBBELL NO. LCL-4'-4000K-ML-E-U OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	5300 LUMEN	SURFACE MOUNTED 4'-0" LED STRIP. CHAIN HANG WHEN SURFACE MOUNT IS NOT POSSIBLE.
WP1	CURRENT NO. VPW2-48L-35-4000K-TYPE 3-U-COLOR BY ARCH - SP OR PRIOR APPROVED EQUALS BY WILLIAMS, OR COOPER	MVOLT	WALL	LED	5000 LUMEN	EXTERIOR LED WALL PACK. UL LISTED FOR WET LOCATIONS.
WP2	BARNLIGHT NO. BLE-G-SBA24-COLOR BY ARCH-LED43-4000K-FL-24" STRAIGHT ARM OR PRIOR APPROVED EQUALS	120	WALL	LED	4000 LUMEN	24" DIAMETER BARN LIGHT WITH 24" STRAIGHT MOUNTING ARM
WP4	COOPER NO. 673-25"-WP-L3/840-UNV-CC-2VTB OR EQUALS BY BETA CALCO OR VISA	MVOLT	WALL	LED	2000 LUMEN	25" EXTERIOR LED WALL LIGHT THAT IS WET LOCATION.
EM WALL PACK	COMPASS NO. CU2HLHOSD OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	WALL	LED	1000 LUMEN	1000 LUMEN LED EMERGENCY WALL PACK
EXIT SIGN COMBO "XB"	DUAL-LITE NO. EVCHLU*W12-06L OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	UNIVERSAL	LED	1000 LUMEN	THERMOPLASTIC 1000-LUMEN COMBO LED EXIT SIGN EGRESS LIGHT. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. COORDINATE COLOR OF SIGNAGE WITH LOCAL REQUIREMENTS. PROVIDE WITH EMERGENCY BATTERY.
EXIT SIGN COMBO "XC"	DUAL-LITE NO. DYNC*W12-06L-WET LOCATION OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	UNIVERSAL	LED	1000 LUMEN	THERMOPLASTIC 1000-LUMEN COMBO LED EXIT SIGN EGRESS LIGHT. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. COORDINATE COLOR OF SIGNAGE WITH LOCAL REQUIREMENTS. PROVIDE WITH EMERGENCY BATTERY. PROVIDE WET LOCATION.

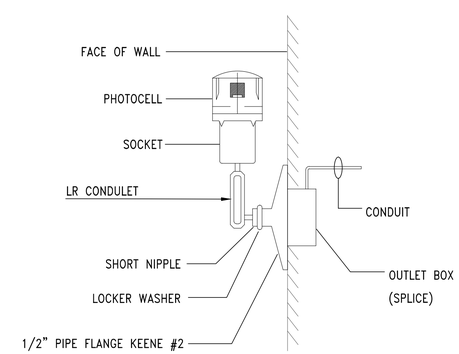
NOTES:
1. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS. OR MAKE CUSTOM COLOR DURING SHOP DRAWING REVIEW. BID ACCORDINGLY.
2. COORDINATE MOUNTING OF ALL LUMINAIRES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION
3. PROVIDE EMERGENCY BATTERY BALLAST FOR ALL EMERGENCY TYPE FIXTURES CAPABLE OF 90-MINUTES. ALL EMERGENCY LIGHTS IN SAFE AREA SHALL BE CONNECTED TO THE BATTERY INVERTER FOR 180-MINUTES OF RUN TIME.
4. FOR WARRANTY AND LONG TERM SUPPORT FOR OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER REPRESENTATIVES LOCATED IN THE STATE OF ALABAMA. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIABLE FOR ANY DELAYS CAUSED BY NON COMPLIANCE WITH THIS REQUIREMENT.
5. ALL INTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS, UNLESS NOTED OTHERWISE.
6. ALL EXTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS.

LUMINAIRE NOTES:

1. ALL LUMINAIRES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINAIRES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.
2. LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
3. ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION
4. ALL LUMINAIRES BALLAST, DRIVERS, LAMPS, ETC SHALL BE COMPATIABLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
5. SECURE EACH LAY–IN LUMINAIRE AT TWO LOCATIONS TO THE CEILING GRID. PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
6. ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
7. ALL LED LUMINARIES SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE LAMPS, UNLESS NOTED OTHERWISE.
8. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
9. COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
10. ALL EXIT SIGNS AND LUMINAIRES DESIGNATED AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM 1100 LUMEN EMERGENCY BATTERY BALLAST CAPABLE OF 90 MINUTES OF ILLUMINATION. X DESIGNATION MEANS DIFFERENT TYPE BATTERY SEE SCHEDULE.
11. CONTRACTOR SHALL PROVIDE ALL SLOPE ADAPTERS, FLANGE KITS, TRIMS, AND ALL OTHER MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.
12. PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.

NOTES

1. PAINT CONDUIT NIPPLE, SOCKET AND PIPE FLANGE WITH TWO COATS OF ENAMEL.
2. COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
3. PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.



1 / E4.1 DETAIL - INSTALLATION OF PHOTO-CELL
NO SCALE

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Project #: 22-42
Design By: J. TILLERY
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

LIGHTING SCHEDULE, DETAILS & NOTES

ALABAMA
No. 26958
PROFESSIONAL
10-25-2024
ENGINEER
KENNETH RAY GUNN JR.

Gunn & Associates, P.C.
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1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#24-231

E4.1
Sheet Number

PANEL - SETE

TYPE: 225 AMP MCB | AIC: 42,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C							PHASE A	PHASE B	PHASE C	
LIGHTING	1,383			20	1	1	2	20	1	1,200			RECEPTACLE
LIGHTING		1,325		20	1	3	4	20	1		1,200		RECEPTACLE
LIGHTING			1,388	20	1	5	6	20	1			1,200	RECEPTACLE
EXTERIOR LIGHTS	1,000			20	1	7	8	20	1	1,200			RECEPTACLE
LIGHTING		283		20	1	9	10	20	1		1,200		RECEPTACLE
MSI-1 & MSI-2			72	15		11	12	20	1			1,200	RECEPTACLE
	72				2	13	14	20	1	1,200			RECEPTACLE
MSO-1		2,413		30		15	16	20	1		1,200		RECEPTACLE
			2,413		2	17	18	20	1			1,200	RECEPTACLE
HP-1	1,728			30		19	20	20	1	1,200			RECEPTACLE
		1,728				21	22	20	1		1,200		RECEPTACLE
			1,728		3	23	24	20	1			1,200	RECEPTACLE
AHU-1	3,072			40		25	26	20	1	900			EWC
		3,072				27	28	20	1		600		CON-1
			3,072		3	29	30	20	1			1,500	EH-1
MSI-1 & MSI-2	72			15		31	32	40		3,000			EWH-B
		72			2	33	34				3,000		
MSO-1			2,413	30		35	36		3			3,000	
	2,413				2	37	38						BUSSED SPACE
CP-1 & TC-1		600		20	1	39	40						BUSSED SPACE
SPARE				20	1	41	42						BUSSED SPACE
SPARE				20	1	43	44						BUSSED SPACE
SPARE				20	1	45	46						BUSSED SPACE
SPARE				20	1	47	48						BUSSED SPACE
SPARE				20	1	49	50						BUSSED SPACE
SPARE				20	1	51	52						BUSSED SPACE
SPARE				20	1	53	54						BUSSED SPACE
SPARE				20	1	55	56						BUSSED SPACE
SPARE				20	1	57	58						BUSSED SPACE
SPARE				20	1	59	60						BUSSED SPACE
SPARE				20	1	61	62						BUSSED SPACE
SPARE				20	1	63	64						BUSSED SPACE
SPARE				20	1	65	66						BUSSED SPACE
BUSSED SPACE						67	68						BUSSED SPACE
BUSSED SPACE						69	70						BUSSED SPACE
BUSSED SPACE						71	72						BUSSED SPACE
BUSSED SPACE						73	74						BUSSED SPACE
BUSSED SPACE						75	76						BUSSED SPACE
BUSSED SPACE						77	78						BUSSED SPACE
BUSSED SPACE						79	80						BUSSED SPACE
BUSSED SPACE						81	82	30	1		2,880		TBB UPS
BUSSED SPACE						83	84	20	1			600	TBB
SUB TOTAL (VA)	9,740	9,493	11,086							8,700	11,280	9,900	

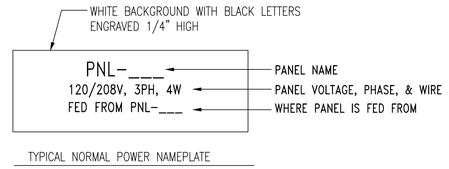
TOTAL LOAD PHASE A: 18,440 (VA)
TOTAL LOAD PHASE B: 20,773 (VA)
TOTAL LOAD PHASE C: 20,986 (VA)
TOTAL LOAD: 60,199 (VA) = 167 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL.

POWER EQUIPMENT MANUFACTURERS BIDDING THIS PROJECT SHALL INCLUDE IN THEIR BASE BID PRICE AND ALL EXPEDITED CHARGES AS REQUIRED TO SHIP SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND DISCONNECTS TO THE JOB SITE S REQUIRED TO MEET PROJECT SCHEDULE. CONTRACTOR AND SUPPLIER SHALL SET THIS TIME PRIOR TO BID ACCORDING PUBLISHED SCHEDULE IN BID DOCUMENTS.

PANELBOARD NOTES:

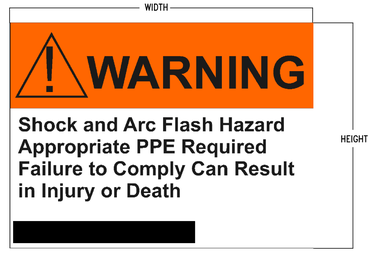
1. PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
2. ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
3. PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
4. FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
5. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
6. PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
7. ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
8. PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
9. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
10. ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
11. COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
12. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL 1 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.



TYPICAL NORMAL POWER NAMEPLATE

1 / E4.2 DETAIL - TYPICAL PANELBOARD NAMEPLATE

NO SCALE



NOTES:
1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL SHALL BE:

EQUIPMENT TYPE	HEIGHT	WIDTH
INDOOR	4"	6"
OUTDOOR	4"	6"

2 / E4.2 ARC FLASH WARNING LABELS

NO SCALE

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Project #: 22-42
Design By: J. TILLERY
Project Date: 10-25-24
Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

PANELBOARD SCHEDULE, DETAILS & NOTES

ALABAMA LICENSED PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 26356 10-25-2024

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1200 Providence Park, Suite 200
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GA#24-231

E4.2
Sheet Number

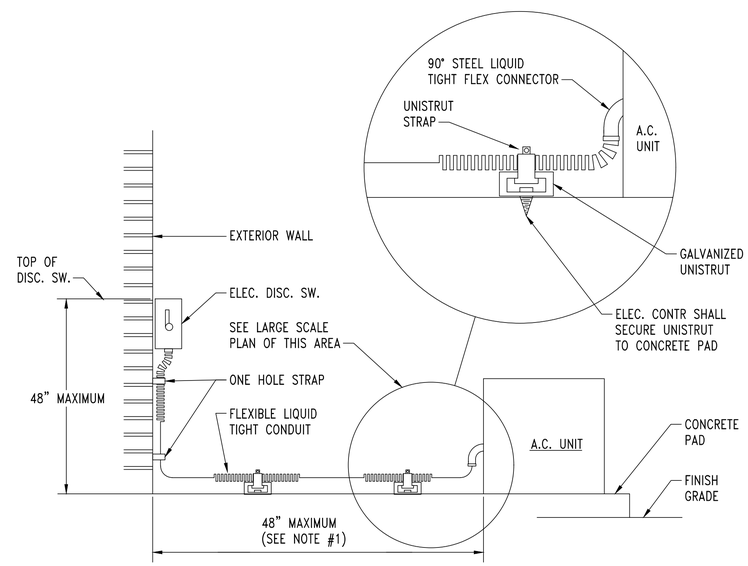
PANEL - SETW

TYPE: 400 AMP MAIN LUG ONLY		AIC: 65,000 AMPERES				MOUNTED: SURFACE				VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE			
CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C							PHASE A	PHASE B	PHASE C	
LIGHTING	1,471			20	1	1	2	20	1	1,200			RECEPTACLE
LIGHTING		925		20	1	3	4	20	1		1,200		RECEPTACLE
CEILING FANS			600	20	1	5	6	20	1			1,200	RECEPTACLE
PAVILION LIGHTING	660			20	1	7	8	20	1	1,200			RECEPTACLE
LIGHTING		600		20	1	9	10	20	1		1,200		RECEPTACLE
SPARE				20	1	11	12	20	1			1,200	RECEPTACLE
MSI-5 & MSI-6	72			15		13	14	20	1	1,200			RECEPTACLE
		72			2	15	16	20	1		1,200		RECEPTACLE
MSO-3			2,995	50		17	18	20	1			1,200	RECEPTACLE
	2,995				2	19	20	20	1	1,200			RECEPTACLE
CON-1		600		20	1	21	22	20	1		1,200		RECEPTACLE
CP-1 & TC-1			600	20	1	23	24	20	1			1,200	RECEPTACLE
EWH-1C	4,000			50		25	26	20	1	1,200			RECEPTACLE
		4,000				27	28	20	1		1,200		RECEPTACLE
			4,000		3	29	30	20	1			1,200	RECEPTACLE
AHU-2	2,880			30		31	32	20	1	1,200			RECEPTACLE
		2,880				33	34	20	1		1,200		RECEPTACLE
			2,880		3	35	36	20	1			1,200	RECEPTACLE
HP-2	1,440			20		37	38	20	1	1,200			RECEPTACLE
		1,440				39	40	20	1		1,200		RECEPTACLE
			1,440		3	41	42	20	1			900	EWC
BUSSED SPACE						43	44	20	1				SPARE
BUSSED SPACE						45	46	20	1				SPARE
BUSSED SPACE						47	48	20	1				SPARE
BUSSED SPACE						49	50	20	1				SPARE
BUSSED SPACE						51	52	20	1				SPARE
BUSSED SPACE						53	54	20	1				SPARE
BUSSED SPACE						55	56	20	1				SPARE
BUSSED SPACE						57	58	20	1				SPARE
BUSSED SPACE						59	60	20	1				SPARE
BUSSED SPACE						61	62	20	1				SPARE
BUSSED SPACE						63	64						BUSSED SPACE
BUSSED SPACE						65	66						BUSSED SPACE
BUSSED SPACE						67	68						BUSSED SPACE
BUSSED SPACE						69	70						BUSSED SPACE
BUSSED SPACE						71	72						BUSSED SPACE
BUSSED SPACE						73	74						BUSSED SPACE
BUSSED SPACE						75	76						BUSSED SPACE
BUSSED SPACE						77	78						BUSSED SPACE
PANEL SETE	18,440			225		79	80						BUSSED SPACE
		20,773				81	82	30	1		2,880		TBB UP6
			20,986		3	83	84	20	1			600	TBB
SUB TOTAL (VA)	31,958	31,290	33,501							8,400	11,280	8,700	

TOTAL LOAD PHASE A:	40,358	(VA)	
TOTAL LOAD PHASE B:	42,570	(VA)	
TOTAL LOAD PHASE C:	42,201	(VA)	
TOTAL LOAD:	125,129	(VA) =	348 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL.

NOTE:
1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



1 / E4.3 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE

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CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

PANELBOARD SCHEDULE, DETAILS & NOTES

ALABAMA
Kenneth Ray Gunn Jr.
NO. 26956
PROFESSIONAL
10-25-2024
ENGINEER
KENNETH RAY GUNN JR.

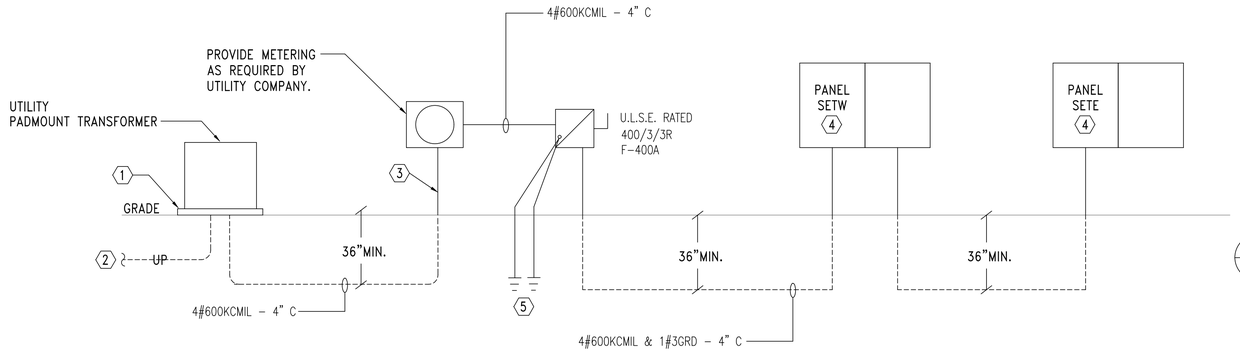
E4.3
Sheet Number

SHEET NOTES:

1. TRANSFORMER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE TRANSFORMER PAD PER UTILITY COMPANY SPECIFICATIONS.
2. INSTALL UNDERGROUND PRIMARY CONDUITS AS INDICATED BY LOCAL UTILITY COMPANY.
3. METER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE METER CONDUIT PER UTILITY COMPANY SPECIFICATIONS.
4. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER PROVISIONS.
5. SEE SHEET E5.2 FOR GROUNDING DETAILS. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER PROVISIONS.

POWER RISER DIAGRAM NOTES:

1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING . CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
5. ALABAMA POWER COMPANY WILL BE FURNISHING THE OVERHEAD SECONDARY TO THE WEATHERHEADS COORDINATE WITH ALABAMA POWER ALL REQUIREMENTS SET FORTH BY THE UTILITY COMPANY AND PAY FOR ALL FEES TO GET POWER CONNECTED TO BUILDING. COORDINATE PRIOR TO BID AND BID ACCORDINGLY.
6. PROVIDE UNISTRUT SUPPORT ACROSS STRUCTURE WITH ANCHOR BOLT TO SUPPORT THE MOUNTING OF WEATHERHEADS TO THE SIDE OF THE BUILDING.

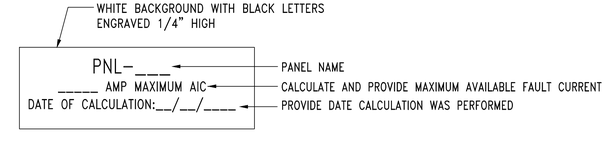


2 E5.1 TRACK POWER RISER DIAGRAM

NO SCALE

NOTES:

1. CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

3 E5.1 DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

NO SCALE

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Project #: 22-42

Design By: J. TILLERY

Project Date: 10-25-24

Revisions:

CRENSHAW COUNTY SPORTSPLEX
- TRACK AND FIELD -
CRENSHAW COUNTY, AL

POWER RISER, DETAILS & NOTES

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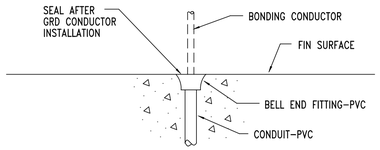
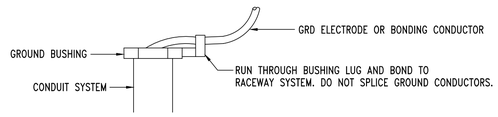
E5.1

Sheet Number

NOTES
1. ALL GROUND ELECTRODE CONDUCTORS, SYSTEM BONDING CONDUCTORS, ETC., RUN SEPARATELY SHALL BE PROTECTED BY A CONDUIT SYSTEM.
2. ALL SYSTEM GROUNDING OR BONDING CONDUCTORS SHALL GENERALLY BE ENCLOSED BY A GRC CONDUIT. PROVIDE GROUND BUSHINGS ON EACH END AND BOND CONDUCTORS TO RACEWAY SYSTEM.
3. SYSTEM BONDING CONDUCTORS THAT PENETRATE CONCRETE SLABS SHALL BE ENCLOSED BY A PVC CONDUIT. PROVIDE BELL END FITTING ON EACH END AND SEAL. THOSE TERMINATING AT A STUB-UP SHALL BE FLUSH WITH FLOOR.



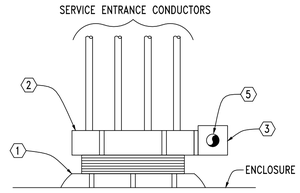
THROUGH CONCRETE



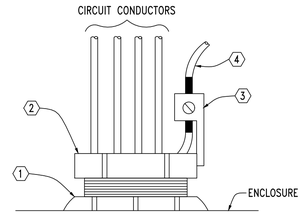
SURFACE MOUNTED

4 E5.2 DETAIL - TYPICAL GROUND CONDUCTOR IN CONDUIT SYSTEM
NO SCALE

DETAIL NOTES
1. LOCK-NUT ASSEMBLIES
2. METAL GROUNDING BUSHING
3. COPPER GROUND LUG
4. COPPER GROUND CONDUCTOR. REMOVE INSULATION AT BUSHING, RUN THROUGH BUSHING LUG AND BOND TO RACEWAY SYSTEM. DO NOT SPLICE OR TAP.
5. CONTINOUS COPPER GROUND CONDUCTOR FROM GROUND BUS THROUGH EACH BUSHING. DO NOT SPLICE OR TAP.



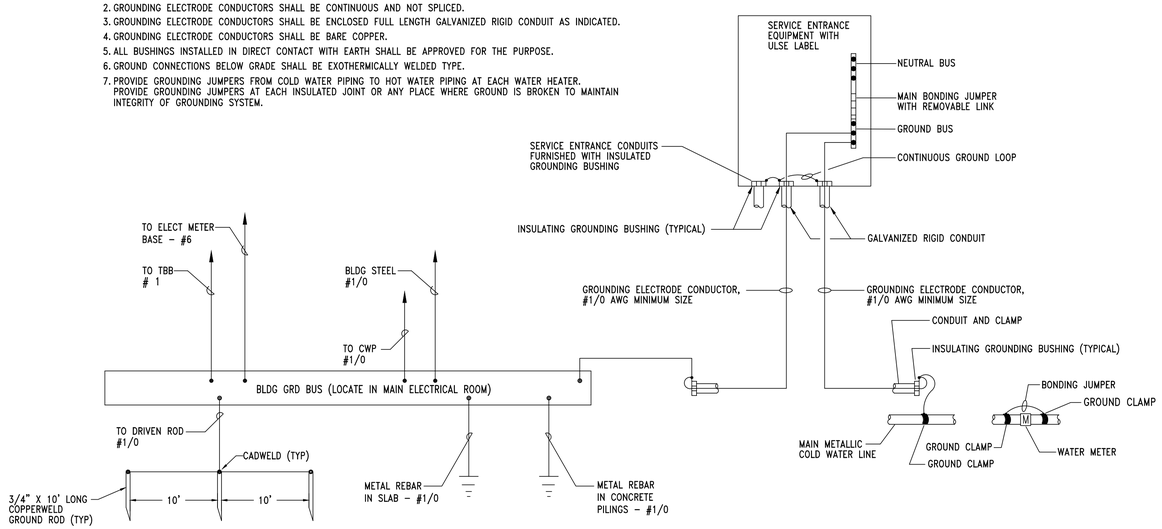
FOR SERVICE ENTRANCE CONDUITS



FOR FEEDER AND/OR BRANCH CIRCUITS

3 E5.2 DETAIL - TYPICAL GROUND BUSHING INSTALLATION
NO SCALE

NOTES
1. GROUNDING ELECTRODE SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE CONTINUOUS AND NOT SPLICED.
3. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH GALVANIZED RIGID CONDUIT AS INDICATED.
4. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER.
5. ALL BUSHINGS INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
6. GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMICALLY WELDED TYPE.
7. PROVIDE GROUNDING JUMPERS FROM COLD WATER PIPING TO HOT WATER PIPING AT EACH WATER HEATER. PROVIDE GROUNDING JUMPERS AT EACH INSULATED JOINT OR ANY PLACE WHERE GROUND IS BROKEN TO MAINTAIN INTEGRITY OF GROUNDING SYSTEM.

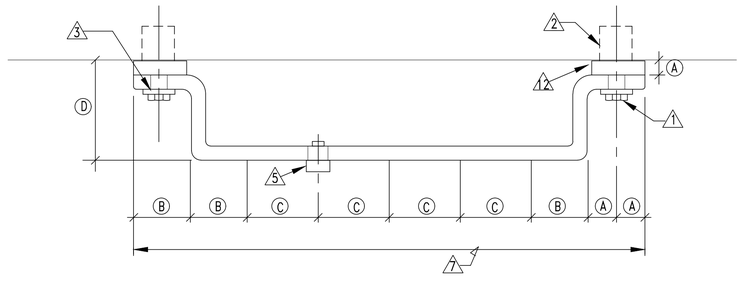


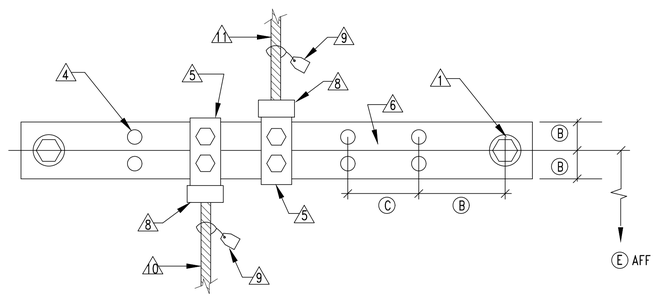
1 E5.2 DETAIL - SERVICE ENTRANCE GROUNDING INSTALLATION
NO SCALE

GROUNDING AND BONDING INSTALLATION NOTES
1. ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC, NESC, IEEE, ANSI AND UL STANDARDS.
2. ALL DIMENSIONING INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
3. THE PURPOSE OF THE GROUNDING AND BONDING SYSTEM IS TO ESTABLISH ALL EQUIPMENT ENCLOSURES, NON-CURRENT CARRYING METALLIC PORTIONS OF THE ELECTRICAL DISTRIBUTION SYSTEM, METAL PIPING, METAL BUILDING FRAME, ETC., AT A ZERO POTENTIAL RELATIVE TO THE EARTH GROUND AND PROVIDE FOR A SAFE, LOW IMPEDANCE RETURN PATH FOR GROUND-FAULT CURRENT. THIS SHALL BE ACCOMPLISHED IN THE FOLLOWING MANNER:
   a. PROVIDE A SOLIDLY GROUNDED SECONDARY SYSTEM.
   b. INTER-CONNECT ALL GROUND BUSES AND POINTS IN THE SYSTEM WITH A COPPER GRD CONDUCTOR (BUS) SYSTEM.
   c. ALL METALLIC RACEWAYS SHALL BE UL APPROVED AND MADE-UP TIGHT AT ALL COUPLINGS AND TERMINATIONS.
   d. ALL GROUND CONDUCTORS IN CIRCUITS SHALL BE CONTAINED WITHIN THE SAME RACEWAY AS CURRENT CARRYING CONDUCTORS.
   e. ALL SPLICES AND TERMINATIONS SHALL BE MADE TIGHT AND AS SUCH TO PROVIDE LOW IMPEDANCE AND SHALL HAVE THE SAME SHORT-TIME CURRENT-CARRYING CAPABILITY AS THE CONDUCTOR IT IS CONNECTED TO.
   f. ALL GRD ELECTRODES OR BONDING CONDUCTORS INSTALLED ALONE WITHIN A RACEWAY SHALL UTILIZE GRC WITH GROUNDING BUSHINGS AT EACH END. THIS GROUND CONDUCTOR SHALL LOOP THROUGH THE BUSHING LUG PRIOR TO TERMINATION.

DIMENSION BLOCK		
REF	ENGLISH	SI
A	1"	25.4mm
B	2"	50.8mm
C	2 1/2"	63.5mm
D	3"	76.2mm
E	1'-6"	.4572m

GROUND BUS NOTES
1. GROUND BUS INSTALLATION SHALL BE IN ACCORDANCE WITH THIS DETAIL AND AS INDICATED ON THE DRAWINGS.





KEYED NOTES
1. 1/2" (12.7mm) X 1 1/2" (38.1mm) SILICON-BRONZE MACHINE BOLT & SILICON-BRONZE WASHER
2. 1/2" (12.7mm) EXPANSION ANCHOR
3. 9/16"ø (14.2875mm) HOLE IN BAR
4. DRILLED DOUBLE CONNECTOR HOLES
5. FLAT, TWO-HOLE CU CABLE CONNECTOR #6 TO #2 (DOUBLE LUGS) #1 TO #2/0 (SINGLE LUGS ONLY)
6. 4" (101.6mm) WIDE, 1/4" (6.35mm) DEEP COPPER BUS BAR.
7. LENGTH AS REQUIRED BY NUMBER OF CONDUCTOR CONNECTIONS OR AS SPECIFICALLY INDICATED. PROVIDE INTERMEDIATE WALL SUPPORTS AS REQUIRED.
8. TYP CU GRD CONDUCTOR CONNECTION
9. DESCRIPTION TAG. STATE SIZE OF CONDUCTOR AND TO WHAT IT IS CONNECTED TO.
10. TYP GRD CONNECTION FROM BELOW. SEE APPLICABLE DETAILS FOR SLAB PENETRATIONS.
11. TYP GRD CONNECTION FROM ABOVE. SEE APPLICABLE DETAILS FOR GRC INSTALLATIONS.
12. INSULATED NON-CONDUCTIVE SPACER

2 E5.2 DETAIL - TYPICAL GROUND BUS INSTALLATION
NO SCALE

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GROUNDING DETAILS & NOTES

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E5.2
Sheet Number