FIRE STATION #3

CITY OF JACKSON, AL
2405 COFFEEVILLE ROAD
JACKSON, ALABAMA 36545

- FOR CONSTRUCTION -

GENERAL PROJECT DESCRIPTION:

PROJECT CONSISTS OF A NEW FIRE STATION TO REPLACE THE EXISTING STATION #3.

AUTHORITIES HAVING JURISDICTION

CITY OF JACKSON BUILDING DEPARTMENT

POINT OF CONTACT

KEVIN WOODSON, PUBLIC WORKS DEPARTMENT DIRECTOR
400 COMMERCE STREET
JACKSON, AL 36545
(251)246-2461

APPLICABLE CODES (AS ADOPTED BY THE CITY OF JACKSON, AL):

INTERNATIONAL BUILDING CODE (IBC) 2006 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) 2006 EDITION
INTERNATIONAL FUEL GAS CODE (IFGC) 2006 EDITION
INTERNATIONAL MECHANICAL CODE (IMC) 2006 EDITION
NATIONAL ELECTRICAL CODE (NEC) 2004 EDITION
***NOTE: BUILDING ALSO COMPLIES WITH IBC 2015, PER THE STATE FIRE MARSHAL REQUIREMENTS

REGIONAL AERIAL IMAGE
NOT TO SCALE

SITE AERIAL IMAGE
NOT TO SCALE

PROJECT TEAM

ARCHITECT
FOSHEE ARCHITECTURE, LLC
JOHN FOSHEE, ARCHITECT
21 S. COURT STREET
MONTGOMERY, AL 36104
JOHN@FOSHEECOMPANIES.COM
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ECLECTIC, AL 36024
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CUMMING, GA 30040
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(678) 948-6637

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Project #: 21-11
Design By: JBP & JHF
Project Date: 7-1-21
Revisions:

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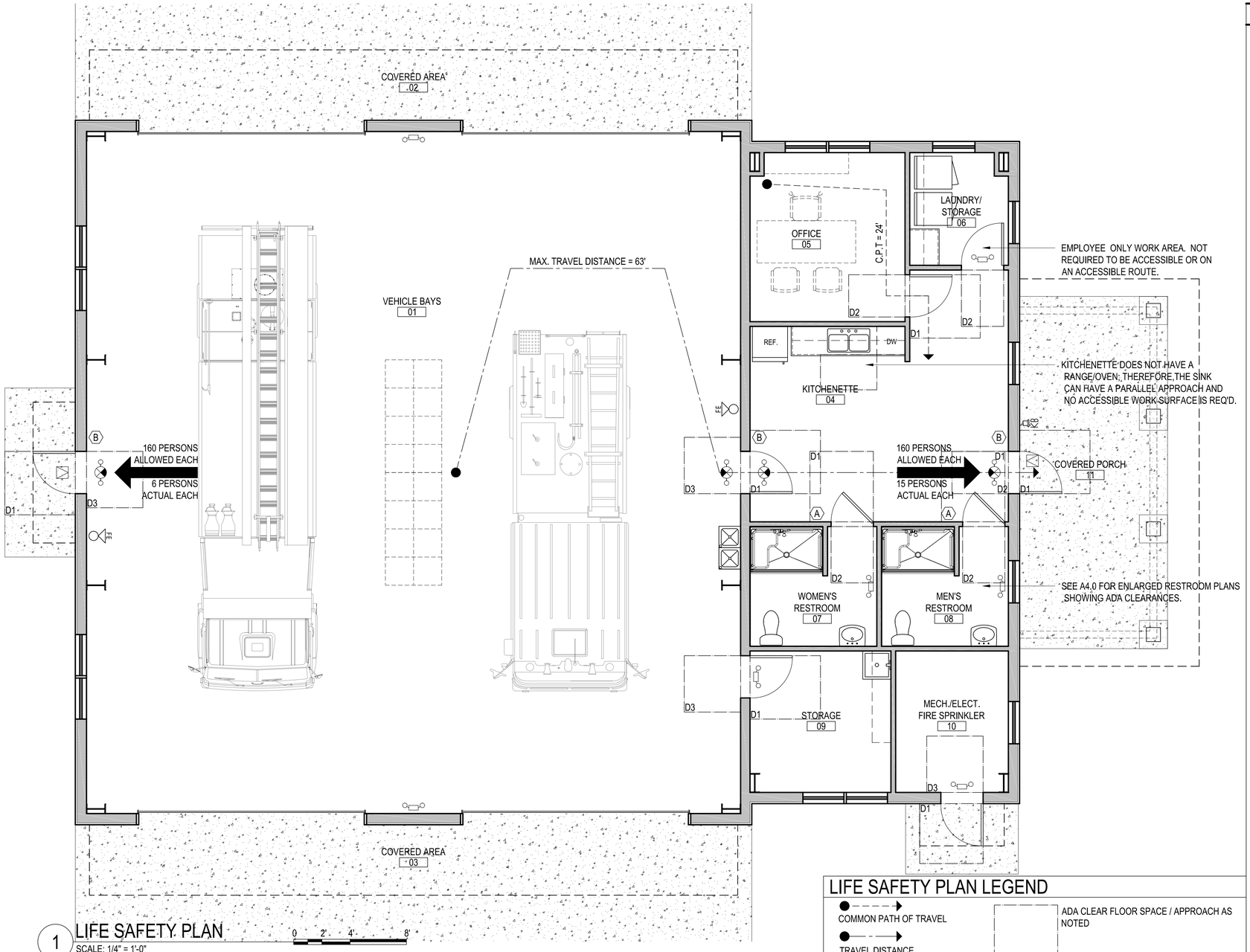
COVER PAGE & INDEX

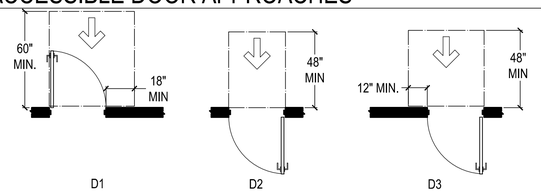
STATE OF ALABAMA
MONTGOMERY
JOHN H. FOSHEE
7002
REGISTERED ARCHITECT
ALABAMA

G1.0
Sheet Number



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

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

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: 4-A: 80-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

OCCUPANCY CLASSIFICATION - IBC CHAPTER 3, SECTIONS 304 & 311
BUSINESS (B) - OFFICE AREA
STORAGE (S-1) - VEHICLE BAYS

CONSTRUCTION TYPE - IBC CHAPTER 6, SECTION 602.5
VB - PRE-FABRICATED STEEL STRUCTURE, WOOD STUD FRAMED WALLS, AND A METAL ROOF ON A CONCRETE SLAB

FIRE SPRINKLER - IBC CHAPTER 9 SECTION 903
NONE REQ'D - FIRE SPRINKLER DESIGN PROVIDED AS AN OWNER SELECTABLE ALTERNATE. IF OWNER PROCEEDS WITH INSTALLING FIRE SPRINKLERS, SYSTEM MUST FULLY MEET NFPA 13.

FIRE ALARM - IBC SECTION 907
NONE REQ'D - FIRE ALARM DESIGN PROVIDED AS AN OWNER SELECTABLE ALTERNATE. IF OWNER PROCEEDS WITH INSTALLING A FIRE ALARM, SYSTEM MUST FULLY MEET CODE.

ALLOWABLE HEIGHT - IBC CHAPTER 5, TABLE 503
40' ALLOWED VS. 23' PROVIDED
(MEASURED TO AVERAGE HEIGHT OF HIGHEST ROOF SURFACE)

ALLOWABLE STORIES - IBC CHAPTER 5, TABLE 503
1 STORIES ALLOWED VS. 1 STORY PROVIDED

ALLOWABLE AREA - IBC CHAPTER 5, TABLE 503
9,000 SQ.FT. ALLOWED VS. 4,152 SQ.FT. ACTUAL
(ALLOWED AREA DOES NOT INCLUDE PERMITTED FRONTAGE INCREASE. ACTUAL AREA INCLUDES ENCLOSED SPACE AND OCCUPIABLE AREA UNDER ROOF OVERHANG - I.E. PORCHES.)

INTERIOR OCCUPANCY SEPARATIONS - IBC CHAPTER 5, SECTION 508 & TABLE 508.3.3
NONE REQ'D VS. NONE PROVIDED

INTERIOR FIRE AREA SEPARATIONS
NONE REQ'D VS. NONE PROVIDED (TABLE 508.3.3 ALLOWS FOR A NONSEPARATED MIXED OCCUPANCY)

INTERIOR RATED WALLS - IBC CHAPTER 6, TABLE 601, & CHAPTER 10, TABLE 1017.1
NONE REQ'D VS. NONE PROVIDED
(NONE REQUIRED BASED ON CONSTRUCTION TYPE, FIRE RATED CONSTRUCTION, OR MEANS OF EGRESS.)

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

EXTERIOR WALL OPENING AREA - IBC CHAPTER 7, TABLE 704.8
UNLIMITED, UNPROTECTED OPENINGS ALLOWED
(SMALLEST FIRE SEPARATION DISTANCE AS MEASURED TO PROPERTY LINE IS GREATER THAN 30')

OCCUPANT LOAD - IBC CHAPTER 10, TABLE 1004.1.1.
BUSINESS OCCUPANCY
100 GSF PER PERSON
893 GSF / 100 GSF PER PERSON = 8.93 OCCUPANTS

STORAGE OCCUPANCY (USING PARKING GARAGES FROM TABLE 1004.1.1)
200 GSF PER PERSON
2,400 GSF / 200 GSF PER PERSON = 12 OCCUPANTS

TOTAL = 21 OCCUPANTS

NUMBER OF EXITS REQ'D VS. PROVIDED - IBC CHAPTER 10, SECTION 1014.3 AND TABLE 1015.1
1 REQ'D VS. 2 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, TABLE 1005.1 AND 1008.1.1
4.2" CALCULATED EGRESS WIDTH REQUIRED
32" CLEAR DOOR OPENING MIN. REQUIRED VS. 32" PROVIDED

21 OCCUPANTS X .2" OF EGRESS WIDTH PER OCCUPANT = 4.2" EGRESS WIDTH REQUIRED

MEANS OF EGRESS - IBC CHAPTER 10, SECTION 1014.3, TABLE 1016.1, & SECTION 1017.3
75' MAX. COMMON PATH OF TRAVEL ALLOWED VS 24' PROVIDED
200' MAX. TRAVEL DISTANCE ALLOWED VS. 63' PROVIDED
20' MAX. DEAD END CORRIDOR VS. 0' ACTUAL

EXIT SEPARATION - IBC CHAPTER 10, SECTION 1015.2.1
ONLY 1 EXIT REQUIRED VS. 2 PROVIDED

INTERIOR FINISHES - IBC CHAPTER 8, TABLE 803.5, SECTION 804.4.1
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 1006.3
THE FOLLOWING AREAS ARE REQUIRED TO BE PROVIDED WITH EMERGENCY LIGHTING WITH A MINIMUM 90 MINUTE EMERGENCY POWER.
1. ROOMS AND SPACES REQUIRING TWO OR MORE MEANS OF EGRESS
2. CORRIDORS
3. EXTERIOR LANDINGS AT EXIT DOORWAYS LEADING DIRECTLY TO THE EXIT DISCHARGE

PLUMBING FIXTURE COUNT - IBC CHAPTER 29, TABLE 2902.1
2 WATER CLOSETS REQ'D VS. 2 PROVIDED
2 LAVATORIES REQ'D VS. 2 PROVIDED
1 SERVICE SINK REQ'D VS. 1 PROVIDED
1 DRINKING FOUNTAIN REQ'D VS. 2 PROVIDED

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Design By:
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Project Date:
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Revisions:

JACKSON FIRE STATION #3
CITY OF JACKSON
2405 COFFEEVILLE ROAD
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LIFE SAFETY PLAN

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

G1.1
Sheet Number

COMcheck Software Version COMcheckWeb

Envelope Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Jackson Fire Station
Location: Jackson, Alabama
Climate Zone: 3a
Project Type: New Construction
Vertical Glazing / Wall Area: 7%

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Reduced Lighting Power, 1.0 credit

Building Area	Floor Area
1-Fire Station : Nonresidential	3293

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
SOUTH					
Ext. Wall: Metal Building Wall, Single Layer Mineral Fiber (in cavity, thermal block at girt), [Bldg. Use 1 - Fire Station]	4320	13.0	6.5	0.079	0.079
Window: Wood Frame, Perf. Specs.: Product ID Aluminum Clad, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	234	---	---	0.460	0.600
Door: , Perf. Specs.: Product ID Storefront, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	24	---	---	0.770	0.770
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	48	---	---	0.610	0.610

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

Envelope PASSES: Design 6% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version 4.1.5.1

Mechanical Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: Jackson Fire Station #3
Location: Jackson, Alabama
Climate Zone: 3a
Project Type: New Construction

Construction Site:
2405 Coffeeville Rd
Jackson, AL 36545

Owner/Agent:

Designer/Contractor:
Jesse Lee, P.E.
Pursuit Engineering
323 E Glenn Ave, Ste A
Auburn, AL 36830
334-246-1369
info@pursuitengineering.com

Mechanical Systems List

Quantity	System Type & Description
1	AHU-1 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 15 kBtu/h, Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 34 kBtu/h, Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP method) : Passes Fans: FAN 1 Supply, Constant Volume, 1220 CFM, 0.5 motor nameplate hp, 0.7 fan efficiency grade
1	WH-1: Electric Storage Water Heater, Capacity: 120 gallons w/ Circulation Pump Proposed Efficiency: 0.53 SL, %/h (if > 12 kW), Required Efficiency: 0.53 SL, %/h (if > 12 kW)

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jesse C. Lee, PE — Name - Title
Signature
06/24/2021 — Date

COMcheck Software Version 4.1.5.1

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Jackson Fire Station #3
Project Type: New Construction

Construction Site:
2405 Coffeeville Road
Jackson, AL 36545

Owner/Agent:

Designer/Contractor:
James Payne
Pursuit Engineering, Inc.
323 E Glenn Avenue
Suite A
Auburn, AL 36830
334-246-1369
info@PursuitEngineering.com

Additional Efficiency Package(s)

High efficiency HVAC. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Fire Station	3293	0.67	2206
		Total Allowed Watts =	2206

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Fire Station				
LED 1: D: LED Other Fixture Unit 36W:	1	19	33	635
LED 2: H: LED Other Fixture Unit 80W:	1	9	81	729
LED 3: SL: LED Linear 33W:	1	4	30	120
LED 4: LED A Lamp 13W:	2	2	26	52
			Total Proposed Watts =	1536

Interior Lighting PASSES: Design 30% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Grant Dozier — Name - Title
Signature
2021.06.24 — Date

COMcheck Software Version 4.1.5.1

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Jackson Fire Station #3
Project Type: New Construction
Exterior Lighting Zone 2 (Neighborhood business district)

Construction Site:
2405 Coffeeville Road
Jackson, AL 36545

Owner/Agent:

Designer/Contractor:
James Payne
Pursuit Engineering, Inc.
323 E Glenn Avenue
Suite A
Auburn, AL 36830
334-246-1369
info@PursuitEngineering.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Illuminated area of facade wall or surface	2340 ft2	0.1	No	234
			Total Tradable Watts (a) =	0
			Total Allowed Watts =	234
			Total Allowed Supplemental Watts (b) =	600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Illuminated area of facade wall or surface (2340 ft2): Non-tradable Wattage				
LED 1: OW: LED Other Fixture Unit 80W:	1	8	62	496
LED 2: OWS1: LED Other Fixture Unit 13W:	1	8	11	88
LED 3: OWS2: LED A Lamp 13W:	1	4	13	52
			Total Tradable Proposed Watts =	0

Exterior Lighting PASSES: Design 0.0% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Grant Dozier — Name - Title
Signature
2021.06.24 — Date

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COMCHECKS

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

G1.2
Sheet Number

GENERAL NOTES

FOUNDATIONS:
1. FOUNDATION DESIGN IS BASED UPON THE SOILS EXPLORATIONS AND GEOTECHNICAL ENGINEERING STUDIES BY GEOTECHNICAL ENGINEERING TESTING, INC. FOR PROPOSED JACKSON FIRE STATION #3, JACKSON, ALABAMA, PROJECT NO. 21-159, DATED JUNE 4, 2021.
2. SUBGRADE AND "CONTROLLED AREA" SHALL BE ESTABLISHED PER GEOTECHNICAL REPORT RECOMMENDATIONS.
3. FOOTINGS ARE SIZED FOR A SOIL BEARING VALUE OF 2500 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 18" BELOW FINISHED GRADE AND A MINIMUM WIDTH OF 24". NOTIFY THE ARCHITECT SHOULD ANY UNUSUAL SOIL CONDITIONS BY ENCOUNTERED.
4. 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 48 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.

PRE-ENGINEERED METAL BUILDING:
1. THE PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE RECOMMENDED DESIGN PRACTICES MANUAL OF THE METAL BUILDING MANUFACTURERS ASSOCIATION (MBMA) AND IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE METAL BUILDING MANUFACTURER SHALL BE A MEMBER OF AISC-MB CLASSIFICATION.
2. THE PRE-ENGINEERED METAL BUILDINGS SUPPLIER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING ENVELOPE AND FOR ALL LATERAL BRACING FOR ALL COMBINATIONS OF LIVE, DEAD COLLATERAL AND WIND LOADS. LATERAL STORY DRIFT SHALL BE LIMITED TO H/360.
3. THE LIVE LOADS, COLLATERAL LOADS AND WIND LOADS TO BE USED IN DESIGN OF THE PRE-ENGINEERED METAL BUILDING ARE LISTED BELOW. IN ADDITION TO THE UNIFORM LIVE, COLLATERAL DEAD AND WIND LOAD THE METAL BUILDING SHALL BE DESIGNED FOR MECHANICAL EQUIPMENT LOADS AS NOTED ON THE STRUCTURAL ROOF FRAMING PLAN.
4. SUBMIT SHOP DRAWINGS OF FRAMING PLANS AND DETAILS OF ALL COMPONENTS OF THE PRE-ENGINEERED METAL BUILDING. THE SHOP DRAWINGS SHALL INDICATE THE COLUMN REACTIONS FOR ALL COMBINATIONS OF DEAD, LIVE, COLLATERAL AND WIND, SNOW AND SEISMIC LOADS. SUBMIT DESIGN DRAWINGS AND CALCULATIONS BEARING THE REGISTERED PROFESSIONAL ENGINEER'S SEAL FROM THE STATE OF ALABAMA 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.

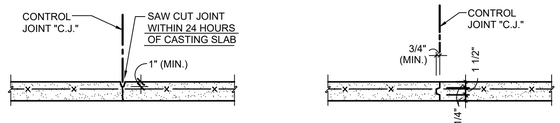
DESIGN LOADS:
- ROOF LIVE LOAD ---------- 20 PSF
- 200 - 600 SF ---------- 16 PSF
- >600 SF ---------- 12 PSF
- 1ST FLOOR LIVE LOADS ---------- 100 PSF
- COLLATERAL METAL BLDG ROOF LOAD ---------- 4 PSF

WIND LOAD (ASCE 7-10):
- BASIC WIND VELOCITY ---------- 139 MPH (3 SEC. GUST)
- OCCUPANCY CATEGORY ---------- IV
- WIND IMPORTANCE FACTOR ---------- 1.0
- WIND EXPOSURE ---------- B
- INTERNAL PRESSURE COEFFICIENTS ----- -0.18/+0.18

SEISMIC LOADS (ASCE 7-10):
- RISK CATEGORY ---------- IV
- SEISMIC IMPORTANCE FACTOR (Ie) -------- 1.5
- S_s ---------- 0.133
- S_1 ---------- 0.069
- SITE CLASS ---------- E
- S_{DS} ----------0.222
- S_{DL} ---------- 0.162
- DESIGN CATEGORY ---------- C

APPLICABLE CODES AND SPECIFICATIONS
- 2006 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

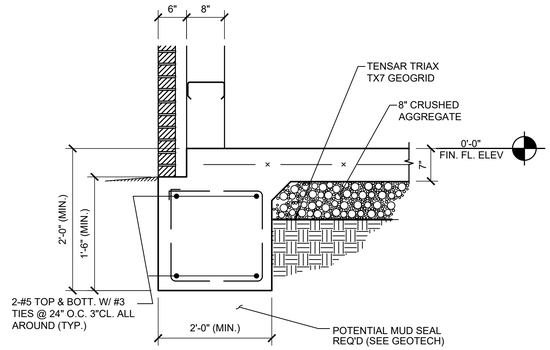
ANCHOR BOLT	
SIZE	EMBEDMENT (MINIMUM)
1/2" Ø	12"
5/8" Ø	12"
3/4" Ø	14"



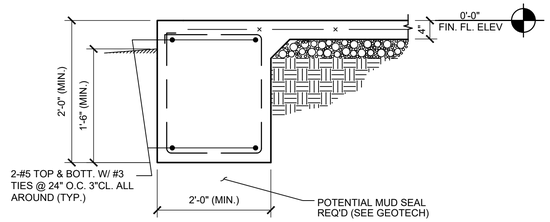
DETAIL A S1.0 — ALTERNATE CONTROL JOINT DETAILS
N.T.S.

SPREAD FOOTINGS SCHEDULE		
MARK	SIZE	REINF. EA. WAY
SF-1	3'-0" X 3'-0" X 2'-0"	4-#4
SF-2	4'-0" X 4'-0" X 2'-0"	5-#5
SF-3	5'-0" X 5'-0" X 2'-0"	6-#5

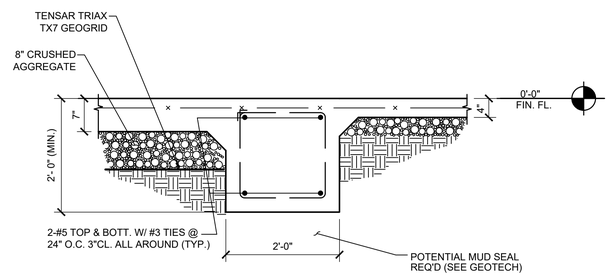
SOIL BEARING PRESSURE = 2500 PSF
REINFORCING BARS ARE PLACED IN THE BOTTOM OF FOOTINGS U.N.O.



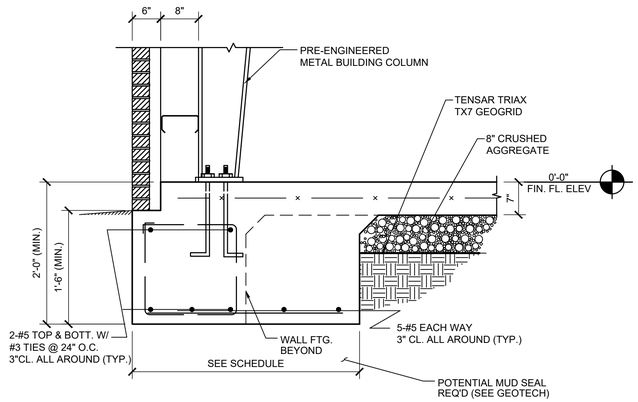
SECTION 1 S1.0 — TYP. EXTERIOR FOOTING
3/4"=1'-0"



SECTION 2 S1.0 — TYP. PORCH FOOTING
3/4"=1'-0"



SECTION 3 S1.0 — TYP. INTERIOR FOOTING
3/4"=1'-0"



SECTION 4 S1.0 — TYP. RIGID FRAME FOOTING
3/4"=1'-0"

KE 'ANO ENGINEERING
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Project #: 21-11
Design By: RAS
Project Date: 7-1-21
Revisions:

JACKSON FIRE STATION #3
CITY OF JACKSON
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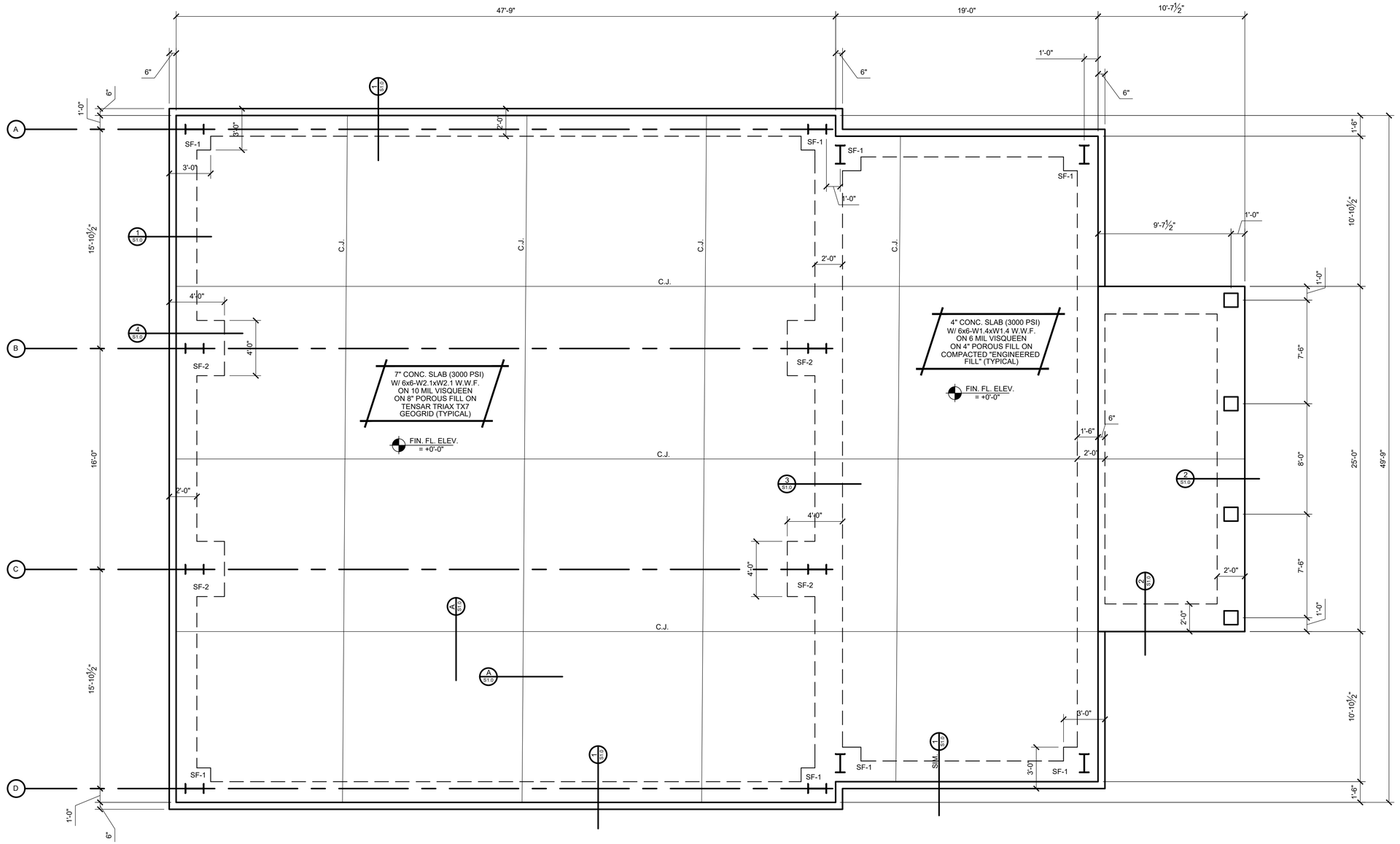
JACKSON, AL 36545

GENERAL NOTES & STRUCTURAL DETAILS

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SKELTS
1-7-22

S1.0
Sheet Number



FOUNDATION PLAN

1/4" = 1'-0"

NOTES:
1. SEE SHEET S1.0 FOR DETAILS & NOTES.
2. SEE ARCH FOR ANY DIMENSIONS NOT NOTED.

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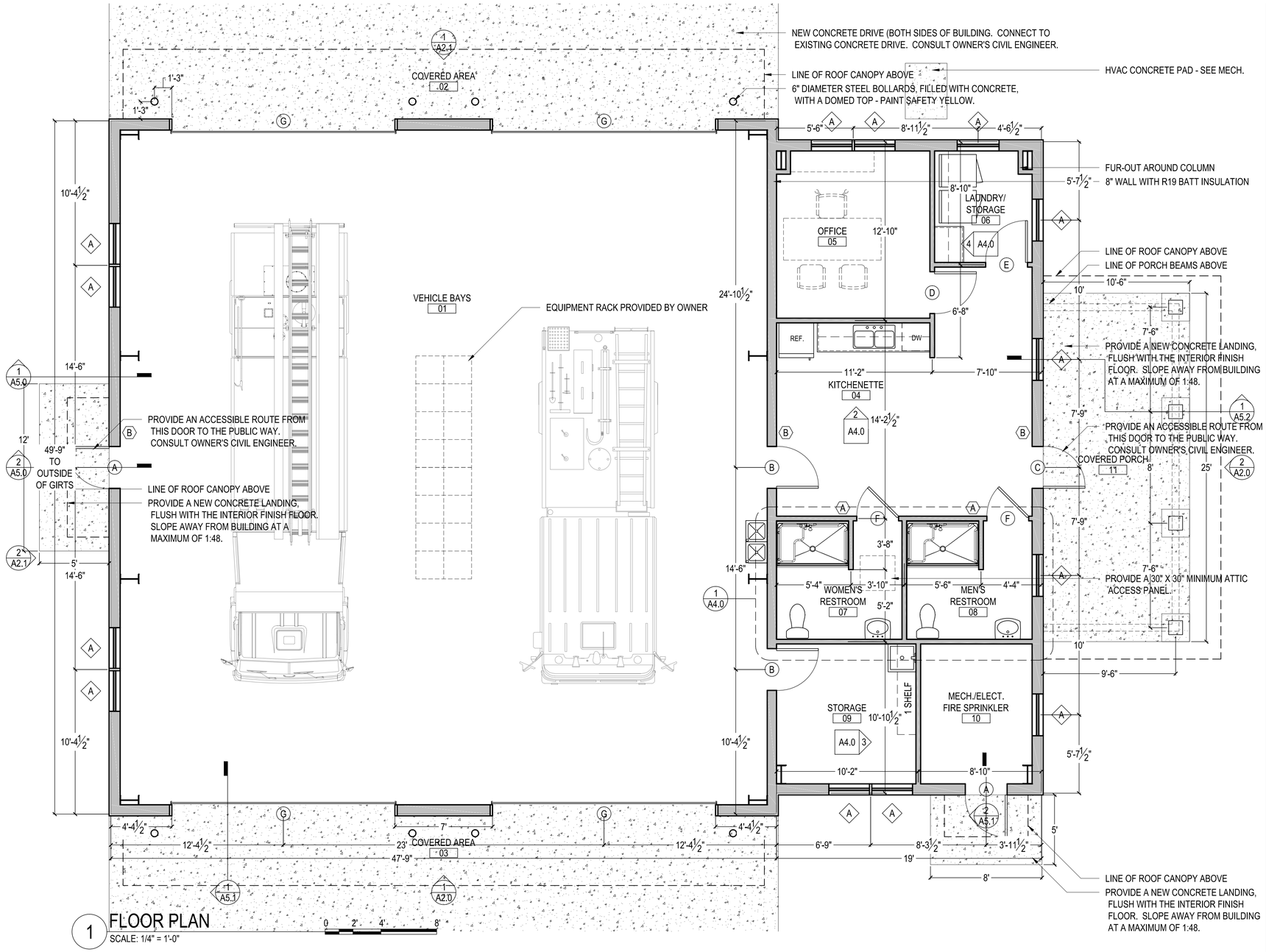
FOUNDATION PLAN

ALABAMA LICENSED NO. 29633 PROFESSIONAL ENGINEER REBECCA ANN SEALS

S1.1

Sheet Number



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

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.

OTHER THAN THE FOUNDATION DESIGN, STRUCTURAL SPECIFICATIONS AND DETAILS IN THESE DRAWINGS ARE DIAGRAMMATIC. THE STEEL BUILDING MANUFACTURER SHALL ENGINEER AND PROVIDE STRUCTURAL ENGINEER STAMPED DRAWINGS FOR THE STEEL BUILDING, AS REQUIRED.

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 A4.2
- A — SIGNAGE TAG — SEE SHEET A4.2
- B — WINDOW TAG — SEE SHEET A4.2
- 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 A1.1 2 / 3 — DETAIL / SHEET — INTERIOR ELEVATION TAG (SEE SHEET AND DETAIL AS NOTED)
- 1 / A6 — 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)
- 18" DEEP WOOD CLOSET SHELVING WITH CLOTHES HANGING ROD. 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
- COUNTERTOP / WALL CABINET / BASE CABINET
- WINDOW — WINDOW (SEE A4.2)
- ADA WALL MOUNTED PORCELAIN HAND WASH SINK
- ADA FLOOR MOUNTED PORCELAIN ELONGATED BOWL TOILET (FLUSH CONTROL IS TO BE LOCATED ON OPEN SIDE)
- 2X WOOD FRAMED STUD WALL

WOOD FRAMED WALL NOTES:

1. NEW WALLS ARE TO BE 2X4 WOOD STUD FRAMED WITH 5/8" GYPSUM BOARD ON INTERIOR SIDE EXCEPT WHERE IDENTIFIED OTHERWISE.
2. WALL CAVITY TO BE FILLED WITH MIN. R-13 BATT INSULATION UNLESS NOTED/IDENTIFIED 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.

ADD ALTERNATES SCHEDULE

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

ADD ALTERNATE 1 (FIRE ALARM SYSTEM):
PROVIDE ALL LABOR AND MATERIALS REQUIRED TO INSTALL A COMPLETE FIRE ALARM SYSTEM. SEE ENGINEERING DRAWINGS.

ADD ALTERNATE 2 (FIRE SPRINKLERS):
PROVIDE ALL LABOR AND MATERIALS REQUIRED TO DESIGN AND INSTALL A COMPLETE NFPA 13 FIRE SPRINKLER SYSTEM, INCLUDING A FIRE WATER METER, ALL UNDERGROUND PIPING FROM THE UTILITY CONNECTION INTO THE BUILDING, ALL VALVES, A FIRE RISER, ALL REQUIRED PIPING, SPRINKLER HEADS, AND ENGINEERED SHOP DRAWINGS. CONSULT WITH OWNER'S CIVIL ENGINEER AS REQUIRED, AND SEE ENGINEERED DRAWINGS.

ADD ALTERNATE 3 (NATURAL GAS GENERATOR):
PROVIDE ALL LABOR AND MATERIALS REQUIRED TO INSTALL A COMPLETE NATURAL GAS GENERATOR, INCLUDING ALL UNDERGROUND PIPING AS REQUIRED, A GENERATOR, WIRING, BREAKERS, TRANSFER SWITCHES, CONCRETE PAD, ETC. CONSULT WITH OWNER'S CIVIL ENGINEER AS REQUIRED, AND SEE ENGINEERED DRAWINGS. GENERATOR SHALL BE A MINIMUM OF 5' FROM THE BUILDING, PER NFPA 37, SECTION 4.1.2.2.2.

ADD ALTERNATE 4 (RADIO COVERAGE SYSTEM):
PROVIDE ALL LABOR AND MATERIALS REQUIRED TO INSTALL A COMPLETE AND APPROVED EMERGENCY RESPONDER RADIO COVERAGE SYSTEM, IF REQUIRED BY THE FIRE CODE OFFICIAL. SEE ELECTRICAL DRAWINGS. IF REQUIRED, STANDBY POWER IS ALSO REQUIRED, PER IBC 2702.2.3.

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Revisions:

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FLOOR PLAN

STATE OF ALABAMA
MONTGOMERY
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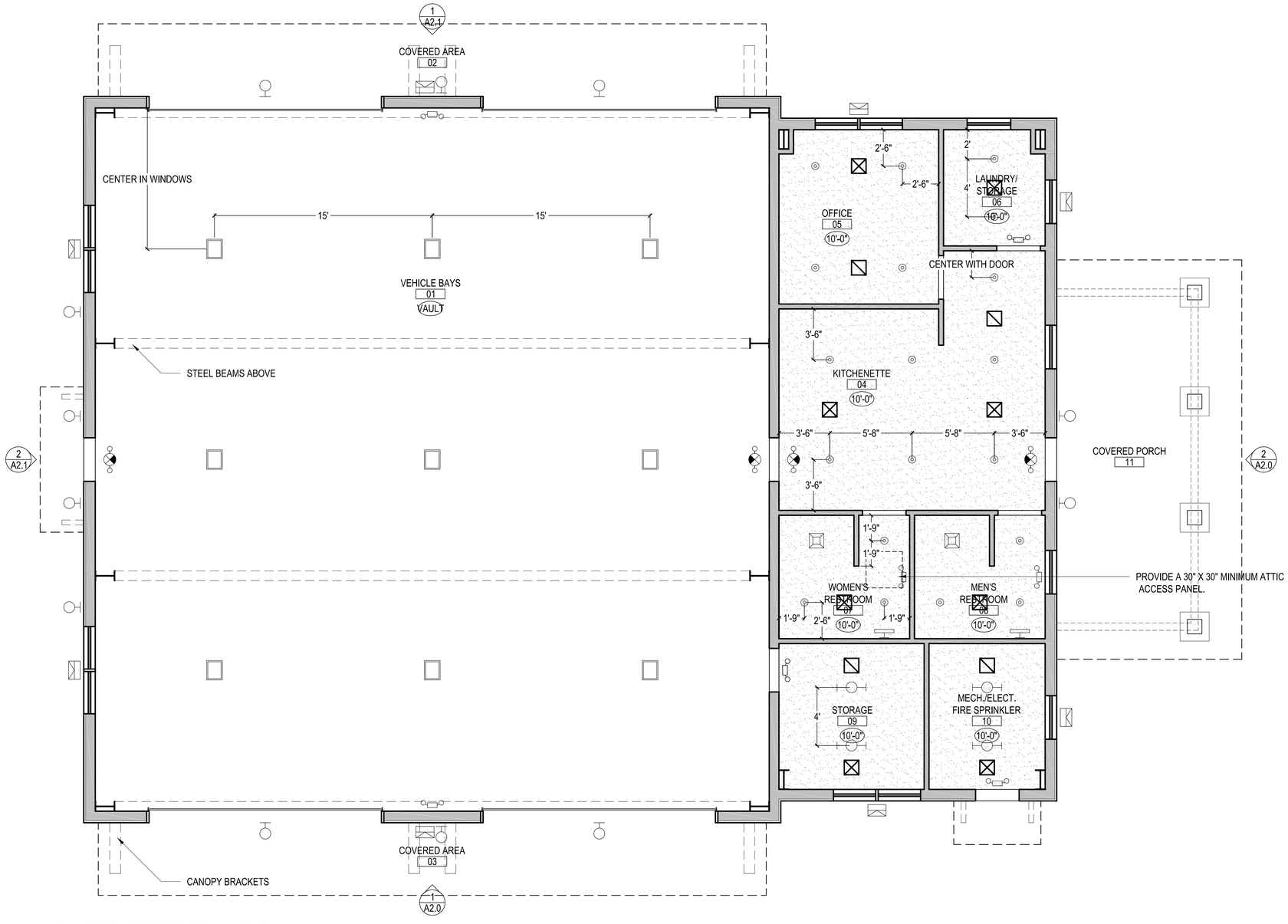
REGISTERED ARCHITECT

A1.0
Sheet Number



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

0 2' 4' 8'

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
- VANITY LIGHT FIXTURE (CENTER ABOVE MIRROR)
- HANGING CEILING FIXTURE (INSTALL WITH BOTTOM AT 15'-0" A.F.F.)
- 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.
- 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
- GYPSUM CEILING

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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REFLECTED CEILING PLAN

STATE OF ALABAMA
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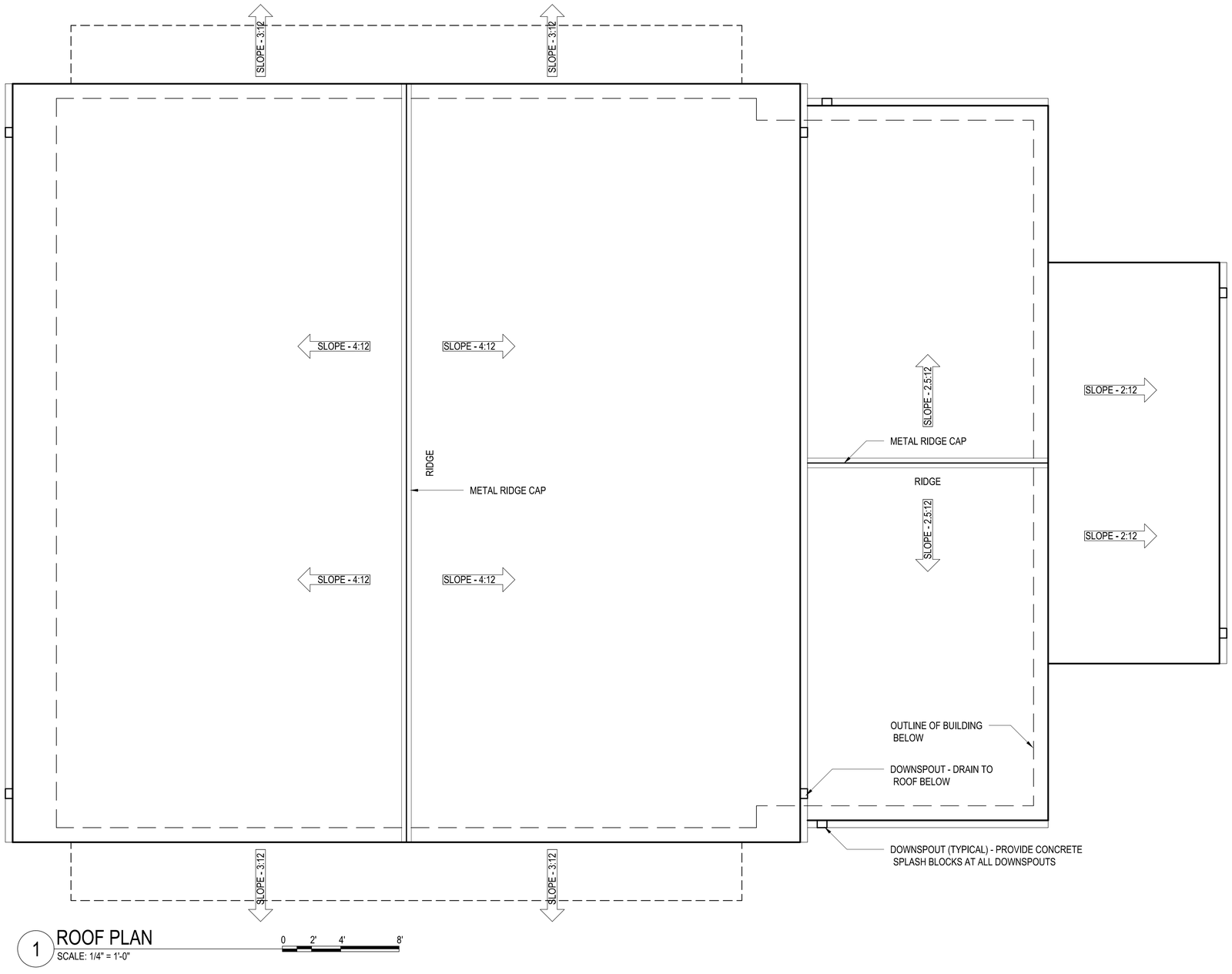
A1.1
Sheet Number



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

0 2' 4' 8'

ROOF PLAN LEGEND & GENERAL NOTES

A PREFINISHED 26 GAUGE "PBR PANEL" METAL ROOF TO BE INSTALLED. INSTALL PER MFG. INSTRUCTIONS INCLUDING UNDERLAYMENT, ROOF PENETRATIONS, AND FLASHING. INSTALL NEW SELF-ADHERED (ICE & WATER SHIELD) UNDERLAYMENT AT ALL VALLEYS, HIPS, RIDGES, RAKES, EAVES, CHANGES IN ROOF ELEVATION, ETC. THROUGHOUT THE ROOF AREA. INSTALL SYNTHETIC FELT UNDERLAYMENT THROUGHOUT FIELD OF ROOF AREAS NOT COVERED BY THE SELF-ADHERED UNDERLAYMENT. ALSO, IT IS CRITICAL TO INSTALL LAP SEALANT BETWEEN ALL JOINTS, IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL ROOF PENETRATIONS ARE TO BE FLANGED. PAINT ANY ROOF PENETRATIONS (I.E. PLUMBING VENT PIPES, ETC.) TO MATCH COLOR OF ROOF. INSTALL NEW .032 PRE-FINISHED ALUMINUM EAVE TRIM AT ALL ROOF PERIMETERS, RAKES, ETC. THROUGHOUT THE ROOF. INSTALL NEW GUTTERS AND DOWNSPOUTS AS SHOWN. PROVIDE CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS.

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 OWNER 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

SLOPE - 6:12 ROOF SLOPE DIRECTION AND PITCH INDICATOR

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ROOF PLAN

STATE OF ALABAMA
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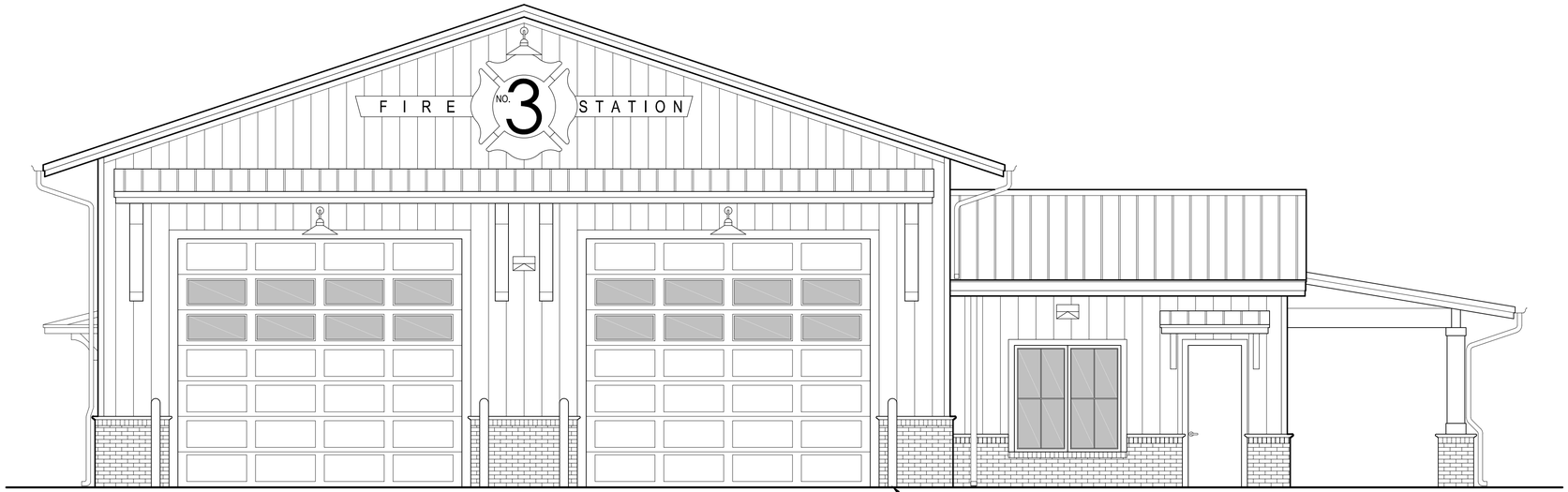
A1.2
Sheet Number

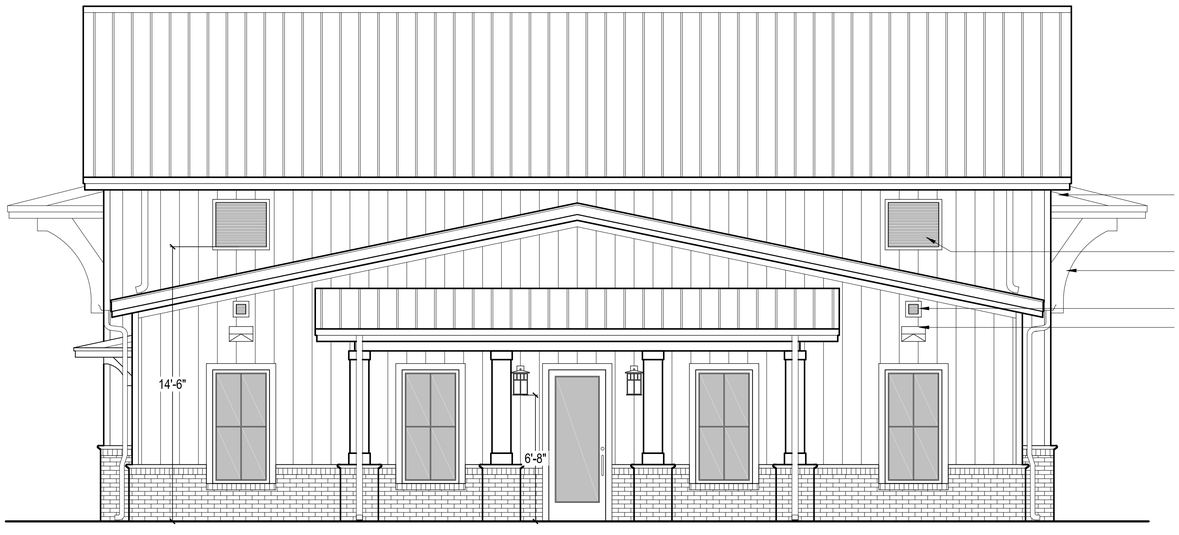
EXTERIOR ELEVATION NOTES

EXTERIOR ELEVATIONS SHOW THE GENERAL, OVERALL FACADES OF THE BUILDING. SEE SHEET A4.1 FOR PRODUCT SPECIFICATIONS. IN ADDITION, SEE WALL SECTIONS FOR MORE DETAILS.



6" DIAMETER STEEL BOLLARDS, FILLED WITH CONCRETE, WITH A DOMED TOP - PAINT SAFETY YELLOW.

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



CANOPY FINISHED ENDS TO CONSIST OF CEMENT BOARD TRIM, OVER CEMENT BOARD PANELS, OVER MOISTURE RESISTANT BARRIER, OVER WOOD FRAMING.

LOUVER TYPE Z - SEE SHEET A4.2

STAINED WOOD BRACKETS

FRESH AIR OR EXHAUST VENT LOCATIONS - SEE MECHANICAL

LED WALL PACK LIGHTS

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

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EXTERIOR ELEVATIONS

STATE OF ALABAMA
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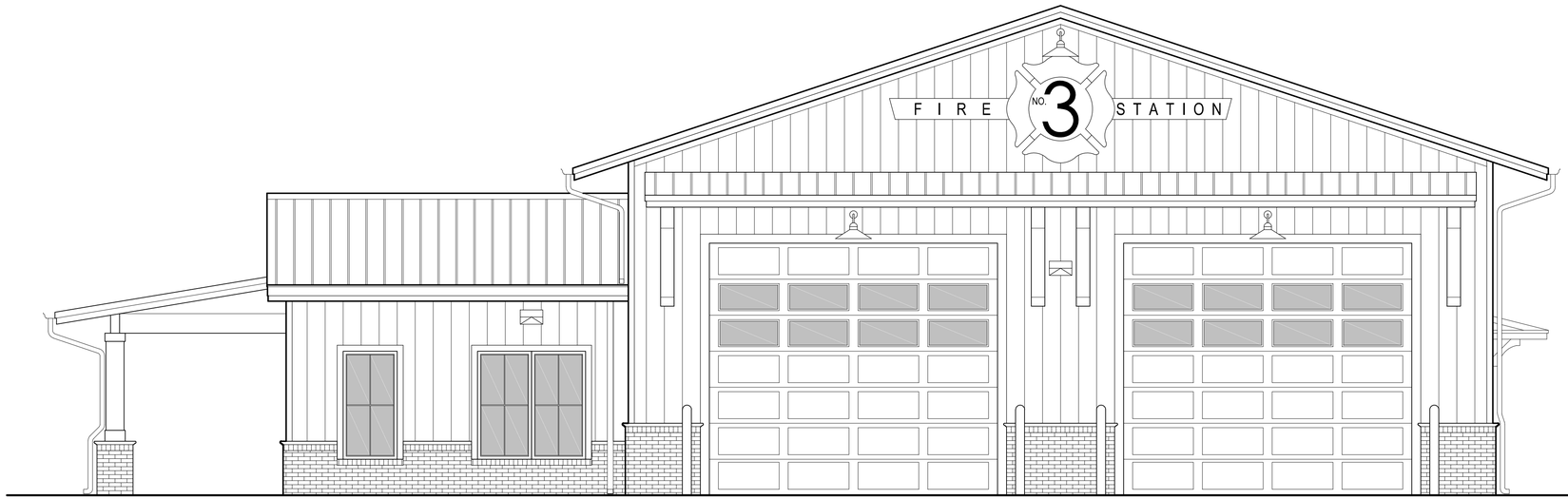
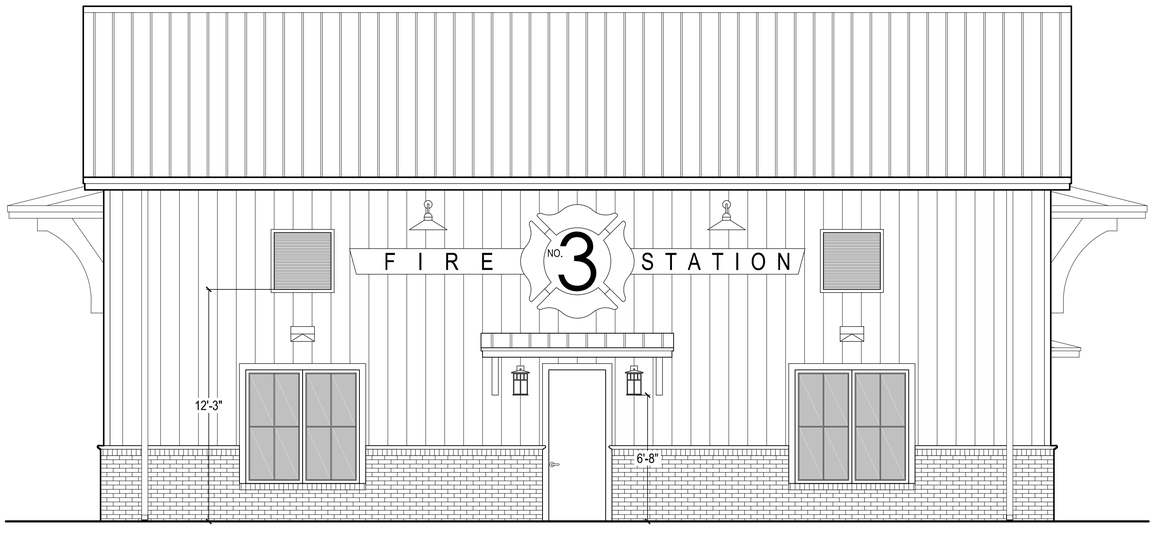
REGISTERED ARCHITECT

A2.0
Sheet Number



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



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

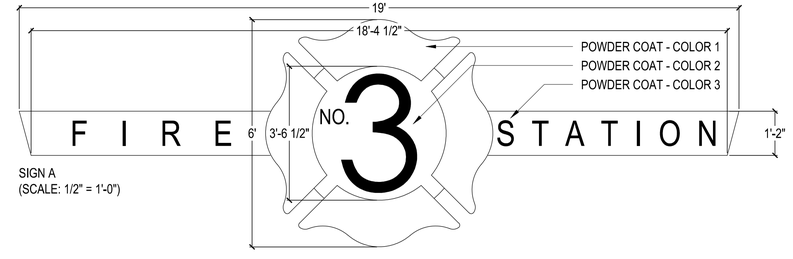
EXTERIOR ELEVATION NOTES

EXTERIOR ELEVATIONS SHOW THE GENERAL, OVERALL FACADES OF THE BUILDING. SEE SHEET A4.1 FOR PRODUCT SPECIFICATIONS. IN ADDITION, SEE WALL SECTIONS FOR MORE DETAILS.

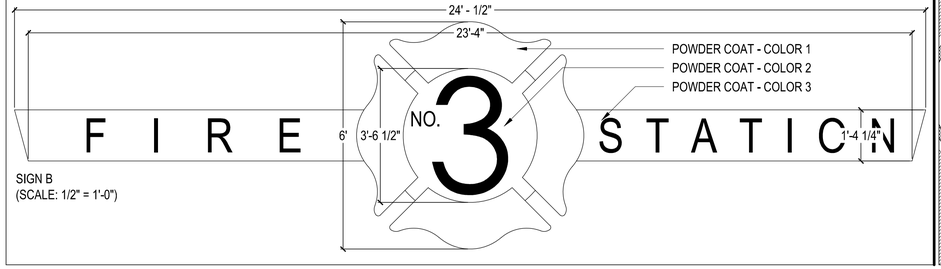
ROOF PLAN LEGEND & GENERAL NOTES

TWO EXTERIOR BUILDING SIGNS ARE SHOWN BELOW. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE APPROVAL OF THESE SIGNS IS GIVEN BY THE AUTHORITY HAVING JURISDICTION AND TO OBTAIN ALL NECESSARY PERMITS PRIOR TO FABRICATING OR INSTALLING. TWO SIGNS (SIGN A) ARE TO BE INSTALLED ON THE BUILDING, ABOVE THE OVERHEAD DOORS. IN ADDITION, ONE SIGN (SIGN B) IS TO BE INSTALLED ON THE SIDE OF THE BUILDING, AS SHOWN IN 2/A2.1.

THE SIGNS ARE TO BE FABRICATED FROM 3/8" STEEL AND SHALL BE POWDER COATED THE COLORS NOTED BELOW. WHITE VINYL DECALS SHALL BE INSTALLED OVER THE POWDER COATING, WITH THE LETTERS AND NUMBERS AS SHOWN. GENERAL CONTRACTOR SHALL SECURELY FASTEN SIGN TO WALL.



SIGN A
(SCALE: 1/2" = 1'-0")



SIGN B
(SCALE: 1/2" = 1'-0")

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EXTERIOR ELEVATIONS

STATE OF ALABAMA
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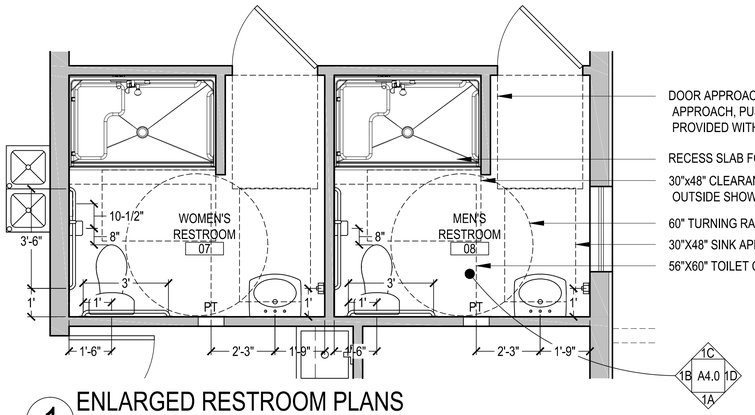
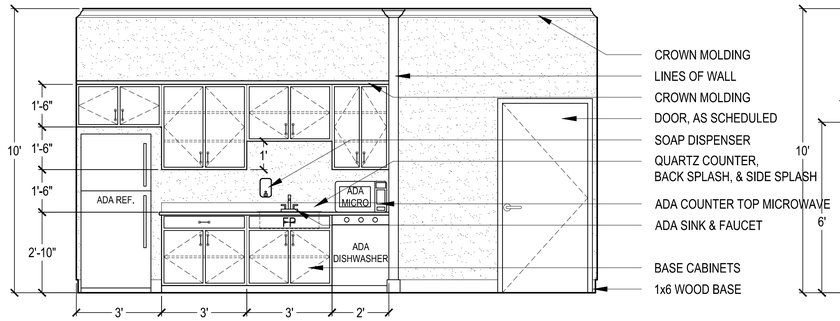
A2.1
Sheet Number



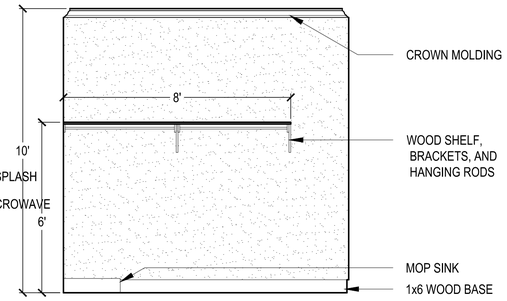
1 ENLARGED RESTROOM PLANS

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



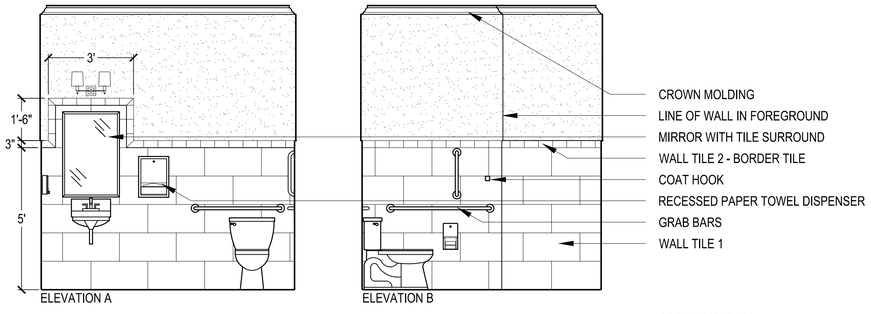
2 KITCHENETTE - ROOM 04

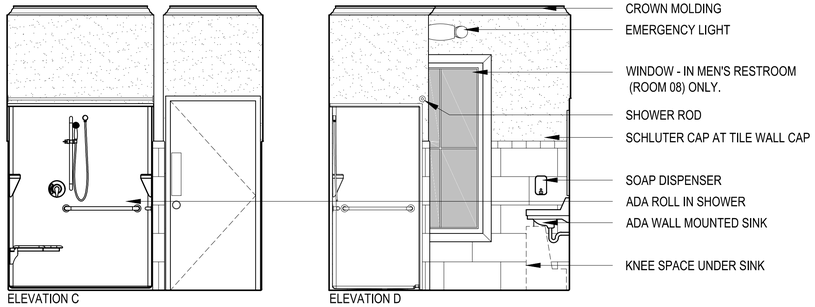
SCALE: 3/8" = 1'-0"

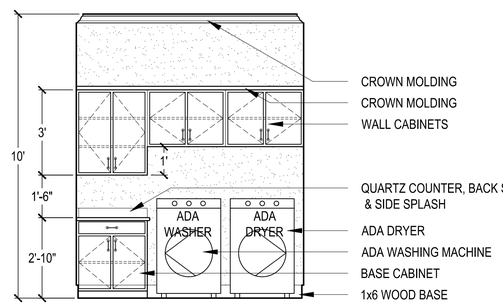


3 STORAGE - ROOM 09

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







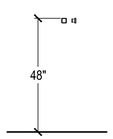
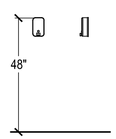
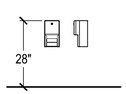
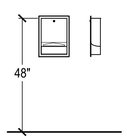
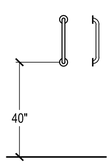
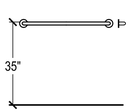
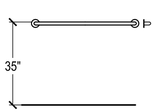
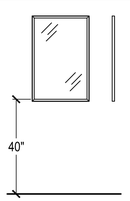
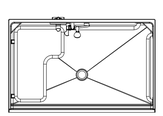
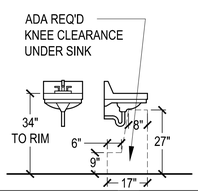
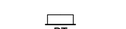
4 LAUNDRY - ROOM 08

SCALE: 3/8" = 1'-0" (EMPLOYEE WORK AREA)

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.

ENLARGED BATHROOM PLAN & ELEVATIONS LEGEND AND SCHEDULE

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	ADA ROLL-IN SHOWER	ADA FLOOR MOUNT TOILET	ADA WALL MOUNT SINK
MANUFACTURER	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	BOBRICK	AQUATIC	KOHLER	KOHLER
MODEL #	B-233	B-2111	B-4288	B-359	B-5806X18	B-5806X36	B-5806X42	B-165 2436	16037BFSD	HIGHLINE	GREENWICH K-2032-0
MISCELLANEOUS NOTES			KEYED DOUBLE DISPENSER	RECESSED - ROUGH OPENING 11 1/4" W, 15 5/8" H				MEASURED TO BOTTOM OF REFLECTIVE SURFACE	PROVIDE CONFIGURATION AS SHOWN. INSTALL BLOCKING IN WALL AS REQUIRED. RECESS SLAB FOR SHOWER (CRITICAL!)	K-3493-RA-0 (RIGHT CONTROL) K-3493-0 (LEFT CONTROL) OPEN FRONT TLT SEAT REQ'D	ALTEO K-45100-4CP (4" CENTER SET FAUCET). PROVIDE ADA GUARDS ON EXPOSED PIPES

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Project #: 21-11

Design By: JBP & JHF

Project Date: 7-1-21

Revisions:

JACKSON FIRE STATION #3
CITY OF JACKSON
2405 COFFEEVILLE ROAD
JACKSON, AL 36545

ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

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

A4.0

Sheet Number

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	CEILING	NOTES
01	VEHICLE BAYS	NEW CONCRETE - EPOXY FINISH	RUBBER BASE 1	I & M.R. DRYWALL - PAINT 2	WHITE VINYL FACED INSUALTION	-
02	COVERED AREA	NEW CONCRETE - BROOM FINISH	-	-	NON-ROT BEAD BOARD SOFFIT - PAINT 5	-
03	COVERED AREA	NEW CONCRETE - BROOM FINISH	-	-	NON-ROT BEAD BOARD SOFFIT - PAINT 5	-
04	KITCHENETTE	VINYL PLANK	1x6 WOOD BASE - PAINT 3	DRYWALL - PAINT 1	DRYWALL - PAINT 6	-
05	OFFICE	VINYL PLANK	1x6 WOOD BASE - PAINT 3	DRYWALL - PAINT 1	DRYWALL - PAINT 6	-
06	LAUNDRY / STORAGE	VINYL PLANK	1x6 WOOD BASE - PAINT 3	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 6	-
07	WOMEN'S RESTROOM	VINYL PLANK	SCHLUTER COVE BASE	M.R. DRYWALL - PAINT 1 / WALL TILE 1 & TILE WALL CAP	M.R. DRYWALL - PAINT 6	-
08	MEN'S RESTROOM	VINYL PLANK	SCHLUTER COVE BASE	M.R. DRYWALL - PAINT 1 / WALL TILE 1 & TILE WALL CAP	M.R. DRYWALL - PAINT 6	-
09	STORAGE	VINYL PLANK	1x6 WOOD BASE - PAINT 3	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 6	-
10	MECH. / ELECT. / FIRE SPRINKLER	VINYL PLANK	1x6 WOOD BASE - PAINT 3	M.R. DRYWALL - PAINT 1	M.R. DRYWALL - PAINT 6	-
11	COVERED PORCH	NEW CONCRETE - BROOM FINISH	-	-	PRE-FINISHED ALUMINUM SOFFIT	BURNISHED SLATE ALUMINUM SOFFIT

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 & M.R.) DRYWALL
SIZE: 5/8" IMPACT AND MOISTURE RESISTANT TYPE X
FINISH: LEVEL 4 FINISH AT ALL NEW DRYWALL
MFG: 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: FLAT
COLOR: BENJAMIN MOORE - GRAY MIST (OC-30)

PAINT COLOR 2
SUBSTRATE: DRYWALL
SHEEN: EGGSHELL
COLOR: BENJAMIN MOORE - GRAY MIST (OC-30)

PAINT COLOR 3
SUBSTRATE: INTERIOR WOOD TRIM AND SELECT DOOR FRAMES
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

PAINT COLOR 4
SUBSTRATE: METAL TRIM & AND METAL DOORS
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - MIDSUMMER NIGHT (2134-20)

PAINT COLOR 5
SUBSTRATE: EXTERIOR CEMENT BOARD, SOFFITS, & TRIM
SHEEN: SEMI-GLOSS
COLOR: BENJAMIN MOORE - MIDSUMMER NIGHT (2134-20)

PAINT COLOR 6
SUBSTRATE: DRYWALL CEILING
SHEEN: FLAT
COLOR: BENJAMIN MOORE - PURE WHITE (OC-64)

SEALER
SUBSTRATE: INTERIOR WOOD DOORS
TYPE: POLYURETHANE
SHEEN: SEMI-GLOSS
COLOR: CLEAR

VINYL PLANK
MFG: SHAW
STYLE: TERRAIN 2
COLOR: SUMAC (07004)
PATTERN: RANDOM PATTERN - CENTER IN ROOM
WARRANTY: LIFETIME COMMERCIAL WARRANTY

EPOXY PAINT OVER CONCRETE SLAB
MFG: ARMOR GARAGE - HEAVY TONNAGE EPOXY FLOORING
COLOR: MEDIUM GRAY

RUBBER BASE 1
MFG: ROPPE - 700 SERIES RUBBER BASE - STANDARD TOE
SIZE: 1/8" THICK, 6" HIGH
COLOR: PEWTER (#178)
NOTE: USE COORDINATING INSIDE CORNERS & OUTSIDE CORNERS

CABINETRY:
MFG: TRU CABINETRY
STYLE: SHAKER STYLE
TYPE: FULL OVERLAY WOOD CABINETS
SPECIES: MAPLE WOOD
FINISH: PAINTED FACTORY FINISH
COLOR: SLATE
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: ETUDE
PROFILE: EASED EDGE

WALL TILE 1:
MFG: FLORIDA TILE
STYLE: NY2LA
COLOR: TRIBECCA TAUPE (NY250)
FINISH: HONED
GROUT: LATICRETE BOSTIK QUARTZLOCK2 GROUT (#370 RAINCLOUD GRAY)
SIZE: 12x24
NOTES: REFER TO INTERIOR ELEVATIONS REGARDING EXACT LOCATIONS OF WALL TILE

TILE WALL CAP:
MFG: FLORIDA TILE
STYLE: NY2LA
COLOR: TRIBECCA TAUPE (NY250)
FINISH: HONED
GROUT: LATICRETE BOSTIK QUARTZLOCK2 GROUT (#370 RAINCLOUD GRAY)
SIZE: 3-3/4" x 12"
NOTES: REFER TO INTERIOR ELEVATIONS REGARDING EXACT LOCATIONS OF WALL TILE - INCLUDE SCHLUTER CAP

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

WOOD CROWN MOLDING:
PROFILE: MM8013
COLOR: PAINT 3
SPECIES: POPLAR OR SIMILAR PAINT GRADE WOOD

WALL BRICK:
SIZE: MODULAR
COLOR: ACME BRICK - SLATE GRAY
TEXTURE: VELOUR
MORTAR: GRAY

WATER TABLE BRICK:
SIZE: SPECIAL SHAPE - SEE WALL SECTIONS
COLOR: ACME BRICK - SLATE GRAY
TEXTURE: VELOUR
MORTAR: GRAY

METAL WALL PANELS:
COLOR: ALABAMA STEEL - ASH GRAY
TYPE: 26 GAUGE - PBR PANEL

METAL ROOF PANELS:
COLOR: ALABAMA STEEL - BURNISHED SLATE
TYPE: 26 GAUGE - PBR PANEL

METAL EAVES AND METAL TRIM:
COLOR: ALABAMA STEEL - BURNISHED SLATE

GUTTERS AND DOWNSPOUTS:
COLOR: ALABAMA STEEL - BURNISHED SLATE

EXTERIOR WOOD BRACKETS
PROFILE: AS DRAWN
STAIN: SHERWIN WILLIAMS SEMI-TRANSPARENT - TOBACCO (SW 3039)
SEALER: SEAL WITH A CLEAR POLYURETHANE
SPECIES: CEDAR OR CYPRESS

EXTERIOR SIGN POWDER COATING COLORS
COLOR 1: RAL 3011 - BROWN RED
COLOR 2: RAL 7039 - QUARTZ GREY
COLOR 3: RAL 3001 - SIGNAL RED

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

HVAC GRILLS AND REGISTERS
COLOR: ALL HVAC GRILLS AND REGISTERS TO BE FACTORY FINISHED IN WHITE, TO MATCH THE CEILING. WALL GRILLS AND REGISTERS TO BE PAINTED TO MATCH THE WALL COLOR.

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 A4.2

APPLIANCES

NOTE: MANUFACTURERS AND MODELS BELOW ARE THE BASIS OF DESIGN. OTHER MANUFACTURERS OF EQUAL PRODUCTS WILL BE CONSIDERED. CONSULT ARCHITECT WITH ANY QUESTIONS AND FOR APPROVAL PRIOR TO PROCEEDING!

REFRIGERATOR:
MANUFACTURER GE (MODEL #GTE22JSNRSS)
DESIGN 21.9-CU FT TOP-FREEZER, ADA REFRIGERATOR
FINISH STAINLESS STEEL
SIZE SHOWN 32-3/4" WIDE X 34-1/2" DEEP
NOTES INSTALL OPTIONAL ICE MAKER KIT (MODEL #IM4D)

MICROWAVE:
MANUFACTURER GE PROFILE (MODEL #PES7227SLSS)
DESIGN 24" WIDE, ADA COUNTERTOP MODEL
FINISH STAINLESS STEEL

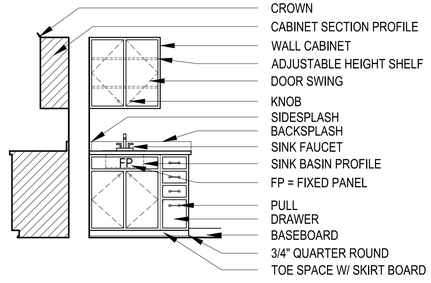
DISHWASHER:
MANUFACTURER GE (MODEL #GDT226SSLSS)
DESIGN 24" WIDE, ADA LOW-PROFILE MODEL
FINISH STAINLESS STEEL
SIZE 32-1/4" HIGH x 23-3/4" WIDE x 23-1/2" DEEP
NOTES DESIGNED TO FIT UNDER THE 2'-10" COUNTERTOP. CRITICAL!

DISPOSAL:
MANUFACTURER INSINKERATOR
DESIGN EVOLUTION 5/8 HORSEPOWER

WASHING MACHINE:
MANUFACTURER GE (MODEL #GFW550SPNDG)
DESIGN FRONT LOAD ADA WASHER
SIZE 28" WIDE X 32" DEEP
FINISH DIAMOND GRAY

ELECTRIC DRYER:
MANUFACTURER GE (MODEL #GFD55ESPNDG)
DESIGN FRONT LOAD ADA ELECTRIC DRYER
SIZE 28" WIDE X 32" DEEP
FINISH DIAMOND GRAY

CASEWORK LEGEND



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Project Date: 7-1-21
Revisions:

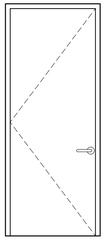
JACKSON FIRE STATION #3
CITY OF JACKSON
2405 COFFEEVILLE ROAD
JACKSON, AL 36545

FINISH SCHEDULE, SPECIFICATIONS, AND DETAILS

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

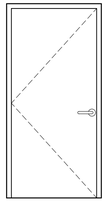
A4.1
Sheet Number

DOOR SCHEDULE



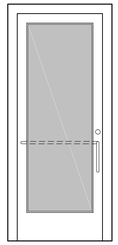
DOOR TYPE A

USE:	EXTERIOR DOOR
TYPE:	STEEL, FLAT PANEL DOOR
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
SIZE:	1 - 3/4" X 3'-0" X 8'-0"
FINISH:	FIELD PAINTED - PAINT COLOR 4
HARDWARE:	SIDE HINGED DOOR WITH ADA RIM PANIC HARDWARE ON THE INTERIOR, STOREROOM FUNCTION ADA LEVER HANDLE ON THE EXTERIOR, HYDRAULIC DOOR CLOSER, SURFACE MOUNTED DOOR SWEEP, AND A KICKPLATE ON THE PUSH SIDE.
THRESHOLD:	YES (ADA HEIGHT)
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 4)



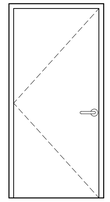
DOOR TYPE B

USE:	EXTERIOR DOOR
TYPE:	STEEL, FLAT PANEL DOOR
THERMAL:	MAX. SHGC = N/A MAX. U FACTOR = 0.61
SIZE:	1 - 3/4" X 3'-0" X 6'-8"
FINISH:	FIELD PAINTED - PAINT COLOR 4
HARDWARE:	SIDE HINGED DOOR WITH ADA PASSAGE FUNCTION LEVER HANDLE, HYDRAULIC DOOR CLOSER, SURFACE MOUNTED DOOR SWEEP, AND A KICKPLATE ON THE PUSH SIDE.
THRESHOLD:	YES (ADA HEIGHT)
GASKET:	YES
FRAME:	DOOR TO BE SET IN A NEW HOLLOW METAL FRAME (PAINT 4)



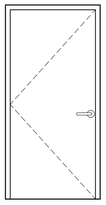
DOOR TYPE C

USE:	EXTERIOR ENTRANCE DOOR
TYPE:	STOREFRONT
THERMAL:	MAX. SHGC = 0.25 MAX. U FACTOR = 0.77
SIZE:	1 - 3/4" X 3'-0" X 8'-0"
FINISH:	FACTORY FINISH - DARK BRONZE
HARDWARE:	SIDE HINGED DOOR WITH ADA ENTRY PULL, ADA EGRESS PUSH BAR, HYDRAULIC DOOR CLOSER, SURFACE MOUNTED DOOR SWEEP, AND SINGLE KEYED DEADBOLT WITH THUMB TURN ON THE INSIDE.
THRESHOLD:	YES (ADA HEIGHT)
GASKET:	YES
FRAME:	STOREFRONT - DARK BRONZE
NOTES:	PROVIDE TEMPERED GLASS!



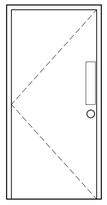
DOOR TYPE D

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



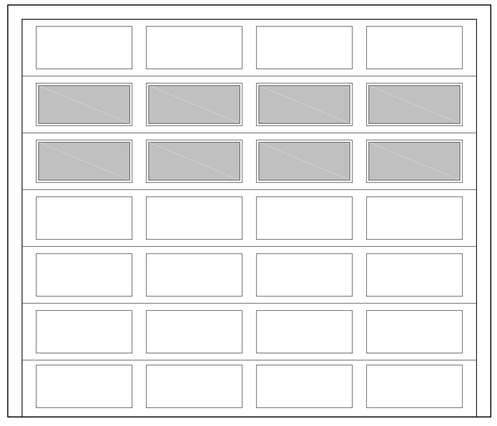
DOOR TYPE E

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



DOOR TYPE F

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



DOOR TYPE G

USE:	GARAGE DOOR
TYPE:	SECTIONAL STEEL OVERHEAD DOOR
THERMAL:	MIN. R VALUE = 4.75
SIZE:	1 - 3/8" X 16'-0" W X 14'-0" H
FINISH:	BROWN
HARDWARE:	ELECTRONICALLY OPERATED
GASKET:	YES
NOTES:	BASIS OF DESIGN = OVERHEAD DOOR CO. - MODEL 594 WITH A DESTINY 1500 OPENER. RAISED PANELS TO BE SIZED PER DRAWING. ALL GLAZING TO BE SET IN AN ALUMINUM SASH SECTION WITH INSULATED AND TEMPERED GLASS

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 IDENTIFIED TO HAVE A SEALED FINISH TO BE BIRCH VENEER, WITH A SEMI-GLOSS POLYURETHANE FINISH - SEE FINISH SCHEDULE
9. STOREFRONT DOORS ARE TO HAVE HARDWARE TO MATCH DOOR FINISH. ALL OTHER DOORS ARE TO HAVE HARDWARE INCLUDING LEVERS, HINGES, DOOR STOPS, AND LOCKS WITH THE COLOR TO BE BRUSHED NICKEL.
10. ALL EXTERIOR DOOR GLASS IS TO BE TEMPERED GLASS WITH TINT TO MATCH THAT OF THE EXTERIOR WINDOWS.
11. ALL INTERIOR DOOR GLASS IS TO BE CLEAR, TEMPERED GLASS.
12. FACTORY-BUILT AND SITE BUILT DOORS & WINDOWS ARE TO BE LABELED OR CERTIFIED AS MEETING AIR LEAKAGE REQUIREMENTS OF IECC 2015 INCLUDING STOREFRONT GLAZING HAVING A MAX. AIR LEAKAGE RATE OF 0.06 CFM/SF OF FENESTRATION AREA, AND STOREFRONT DOORS HAVING A MAX. AIR LEAKAGE RATE OF 1.00 CFM/SF OF DOOR AREA WHEN TESTED IN ACCORDANCE WITH ASTM E283 AT 1.57 PSF.
13. DOORS & WINDOWS ARE TO BE RATED (U-FACTORS, SHGC, AND VT) IN ACCORDANCE WITH NFRC.
14. DOORS & WINDOWS ARE TO BE LABELED, OR A SIGNED AND DATED CERTIFICATE LISTING U-FACTORS, SHGC, VT, AND AIR LEAKAGE IS TO BE PROVIDED BY MFG.
15. THE SITE IS NOT LOCATED IN A WIND-BORNE DEBRIS REGION, PER ASCE 7-10. MORE INFORMATION IS AVAILABLE AT ATCOUNCIL.ORG/WINDSPEED.

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.

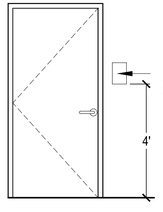
NOTE! SHOULD THE OWNER INSTALL ADDITIONAL ROOM IDENTIFICATION SIGNAGE, THIS SIGNAGE WILL BE REQUIRED TO COMPLY WITH ADA STANDARDS ALSO.

SIGN TYPES:

(A)
HANDICAP ACCESSIBLE RESTROOM
RRE-120_White_on_Black

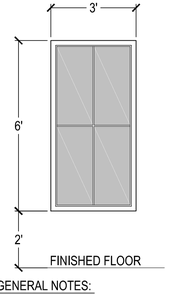
(B)
VERTICAL EXIT SIGN
RSME-19471_White_on_Black
8" x 2"

INTERIOR DOOR SIGNAGE MOUNTING DIAGRAM



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

WINDOW SCHEDULE

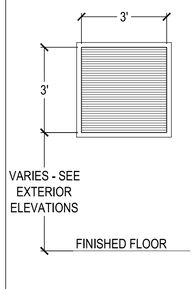


WINDOW TYPE A

TYPE:	FIXED ALUMINUM CLAD
FINISH:	CRAFTSMAN BRONZE
GLASS:	CLEAR GLASS
FIRE RATING:	NONE
MAX. U FACTOR:	0.46
MAX. SHGC:	0.25
NOTES:	BASIS OF DESIGN IS WEATHERSHIELD - SIGNATURE SERIES DIRECT SET WINDOWS WITH 7/8" SDL BARS.

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 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

LOUVER SCHEDULE

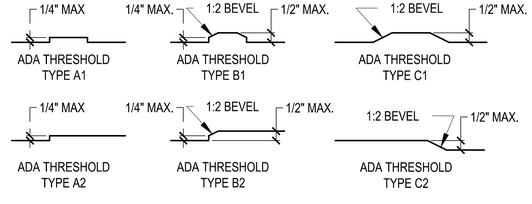


LOUVER TYPE Z

TYPE:	PREFABRICATED ALUMINUM LOUVER
FIRE RATING:	NONE
COLOR:	TBD
NOTES:	COORDINATE EXACT LOUVER WITH MECHANICAL DRAWINGS

FLOOR FINISH TRANSITIONS

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



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Design By: JBP & JHF
Project Date: 7-1-21
Revisions:

JACKSON FIRE STATION #3
CITY OF JACKSON
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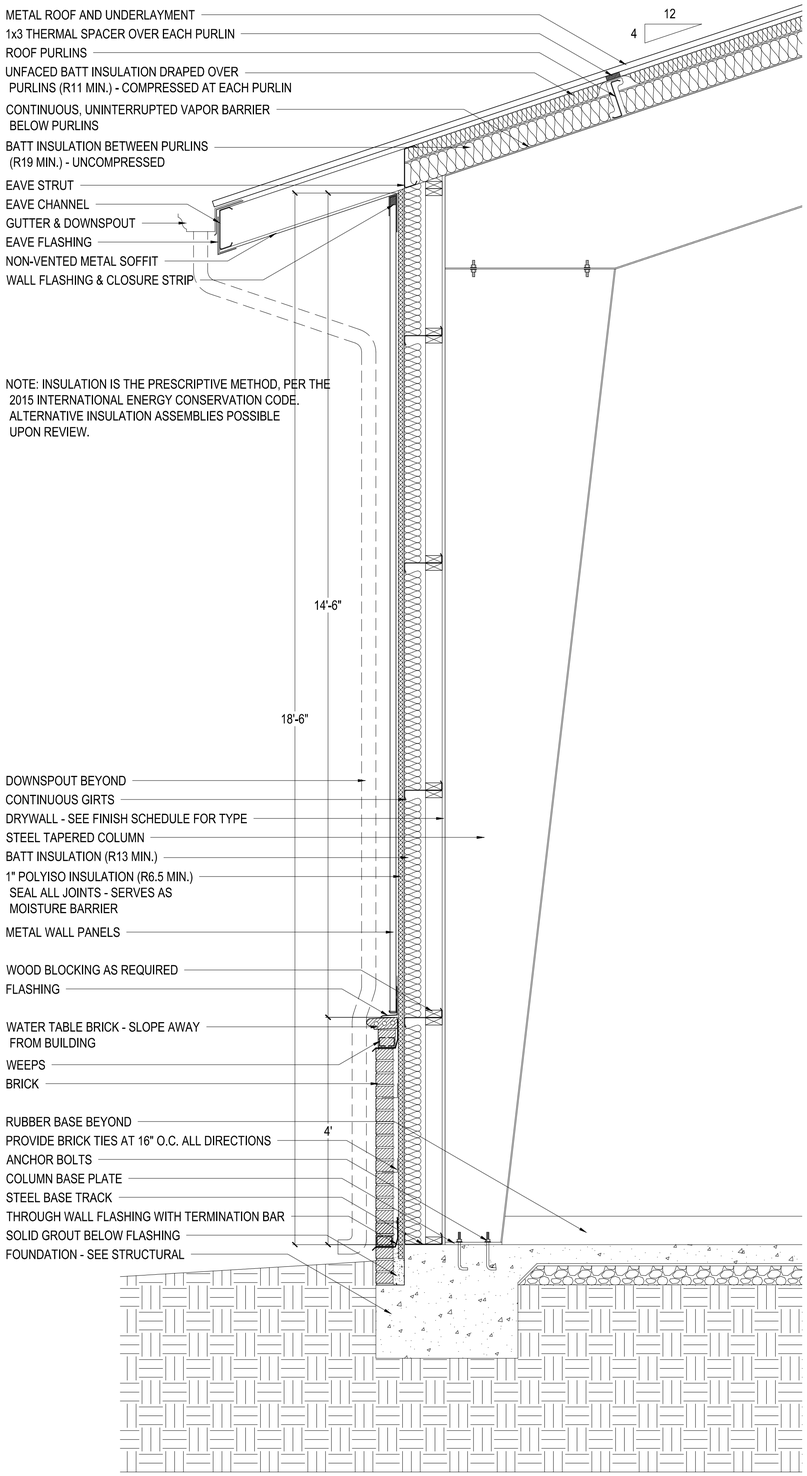
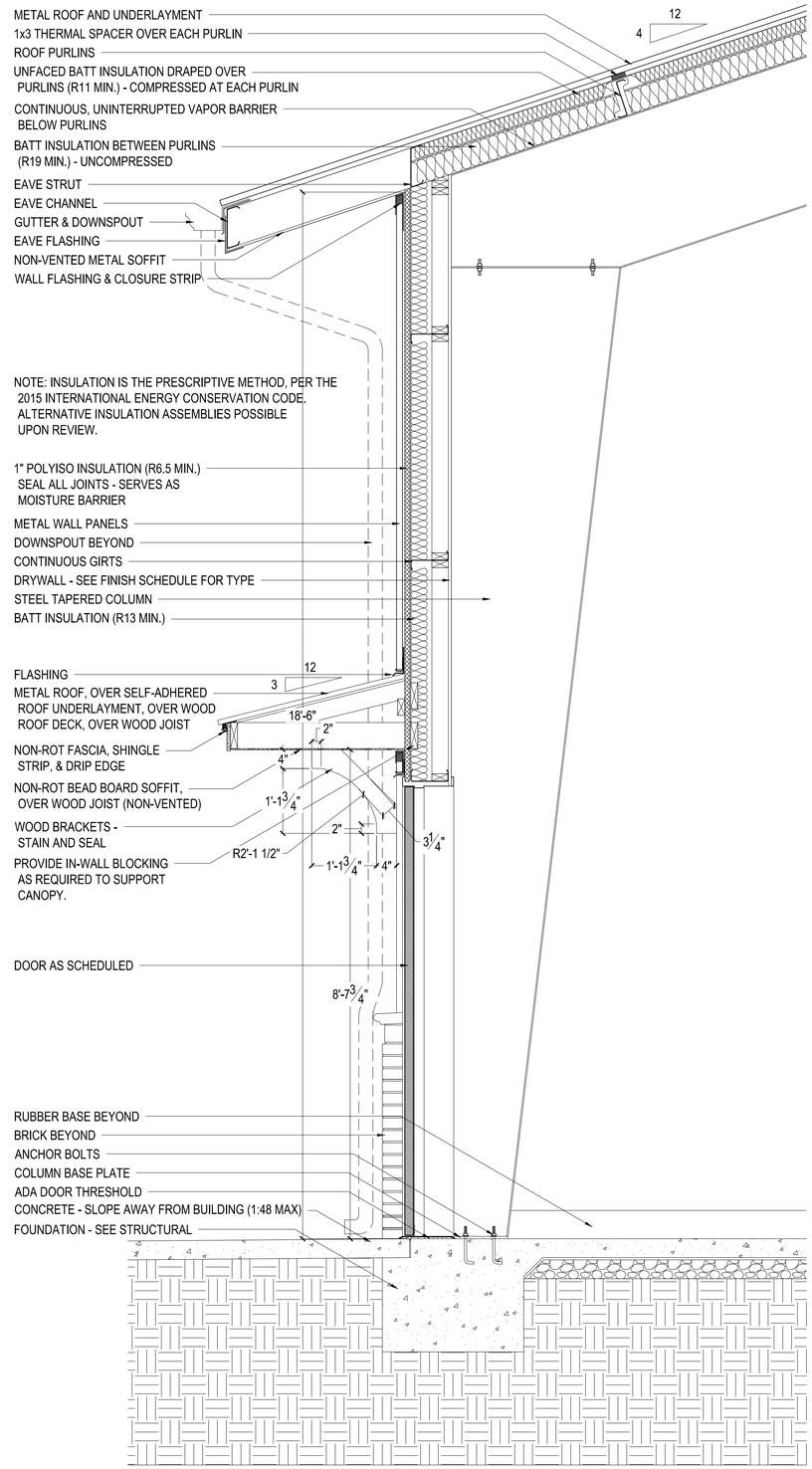
DOOR, WINDOW, AND LOUVER SCHEDULES

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

A4.2
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
MONTGOMERY
JOHN H. FOSHEE
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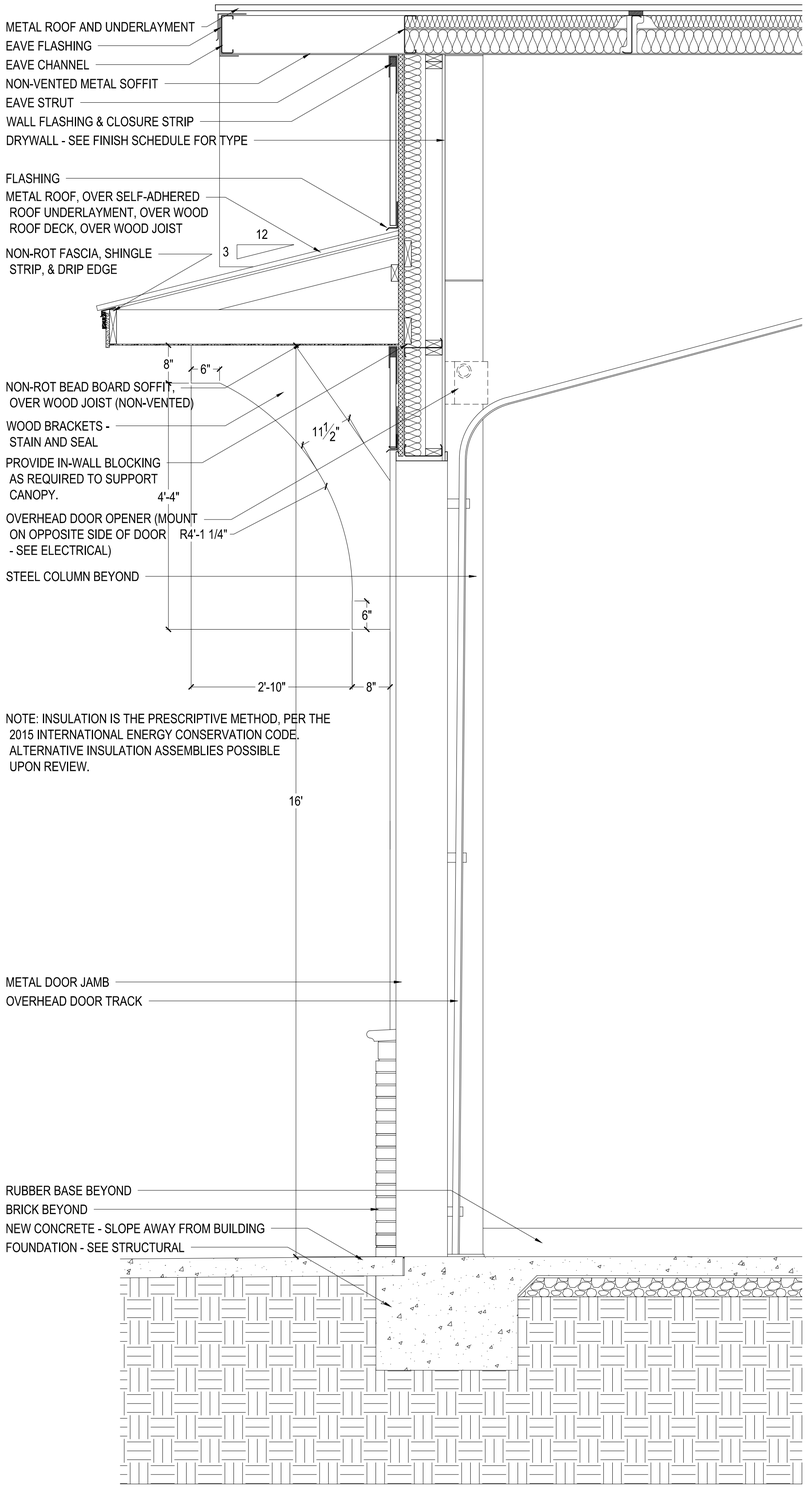
A5.0
Sheet Number



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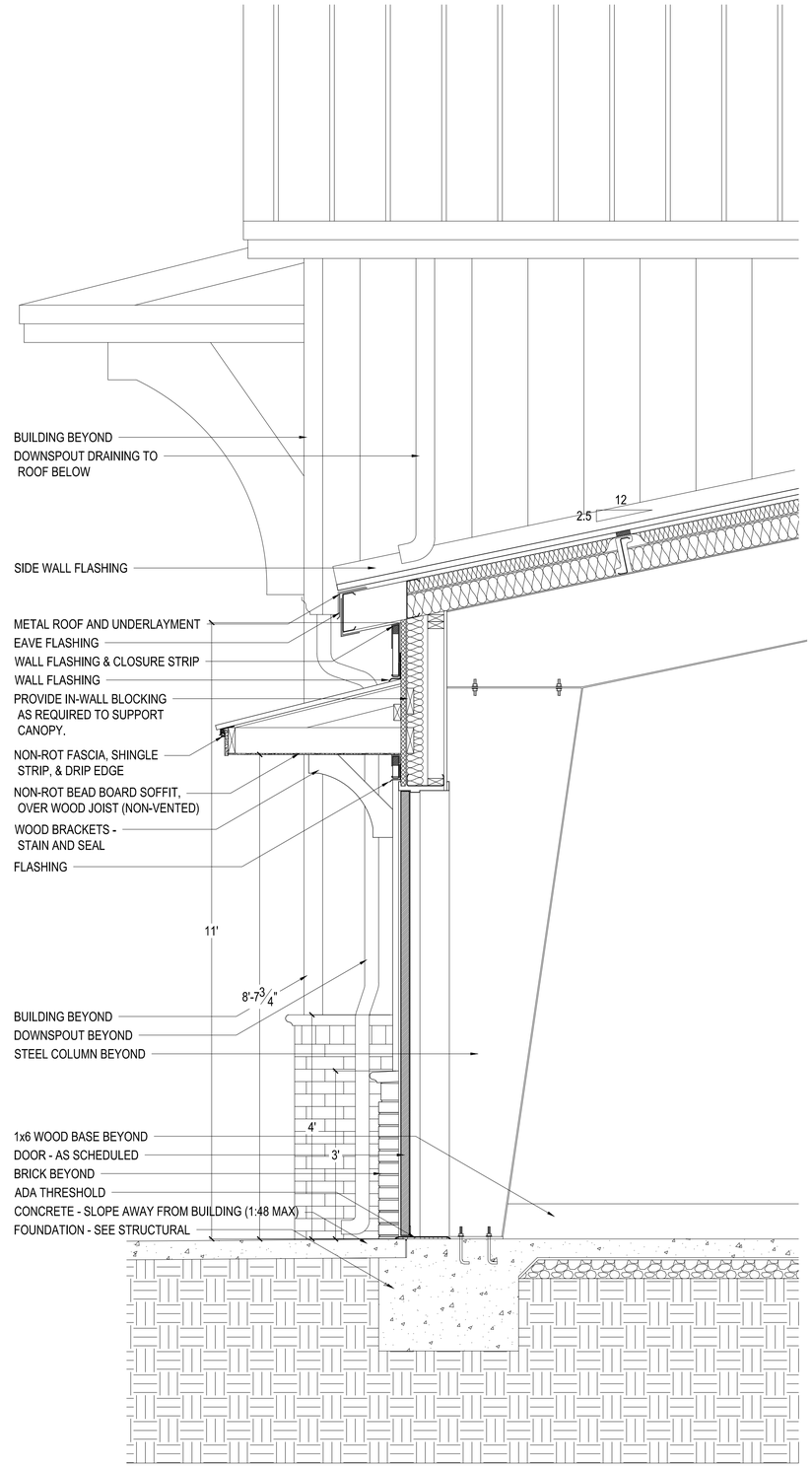
SCALE: 3/4" = 1'-0"



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

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WALL SECTIONS

STATE OF ALABAMA
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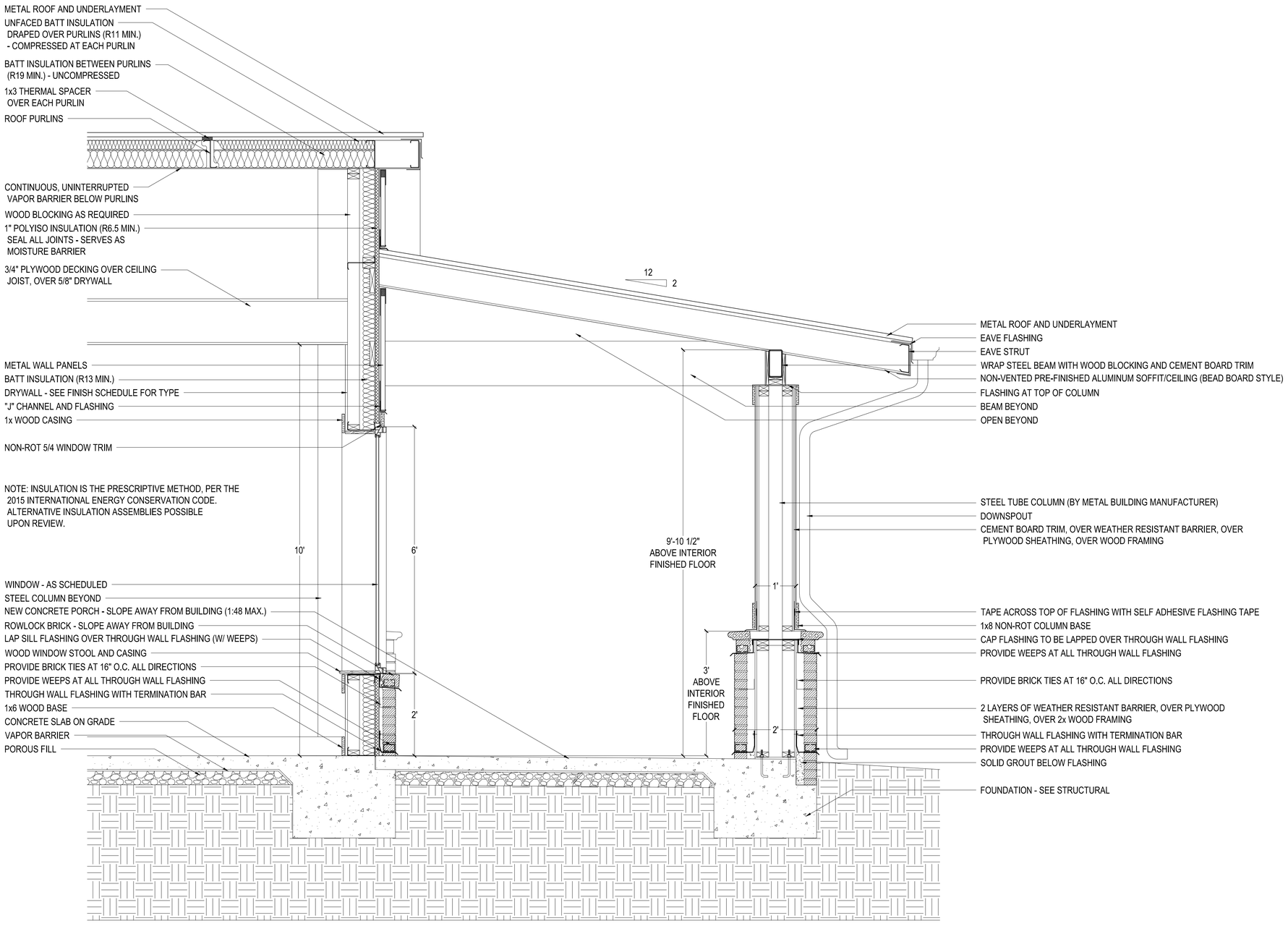
A5.1
Sheet Number



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

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A5.2
Sheet Number

HVAC LEGEND

SYMBOL	ABBREVIATION	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 EXAMPLE)
10"Ø		DUCT SIZE IN INCHES (ROUND EXAMPLE)
T EF-1		THERMOSTAT (EQUIPMENT CONTROLLED)
		CONTROLLER
TC		TIME CLOCK
FD	FD	FIRE DAMPER
S		DUCT MOUNTED SMOKE DETECTOR
		CONNECT TO EXISTING
		DUCT TRANSITION
U.C. 3/4"		DOOR UNDERCUT
D.G. 24"x24"		DOOR GRILLE
	MVD	MANUAL VOLUME DAMPER
M	MOD	MOTOR OPERATED DAMPER
		LINED DUCTWORK
		EQUIPMENT/PIPING ON ROOF
		EQUIPMENT/PIPING UNDER ROOF
	EF	EXHAUST FAN
	SF	SUPPLY FAN
	AHU	AIR HANDLING UNIT
	HP	HEAT PUMP
	CU	CONDENSING UNIT
	WL	WALL MOUNTED LOUVER/DAMPER
	UH	UNIT HEATER
	RTU	ROOF TOP UNIT
	DSS	DUCTLESS SPLIT SYSTEM - INDOOR UNIT
	DSHP	DUCTLESS SPLIT SYSTEM - HEAT PUMP
	T.T.S.	TIGHT TO UNDERSIDE OF STRUCTURE
	B.O.	BY OTHERS
	U.N.O.	UNLESS NOTED OTHERWISE
	VTR	VENT THRU ROOF
	A.F.F.	ABOVE FINISHED FLOOR
	OA	OUTSIDE AIR
	MC	MECHANICAL CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
	MFR	MANUFACTURER
	MTD	MOUNTED

MECHANICAL SPECIFICATIONS

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL MECHANICAL CODE, APPLICABLE 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. 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.

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. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.

11. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.

12. GROUND MOUNTED MECHANICAL EQUIPMENT SHALL BE MOUNTED ON HOUSEKEEPING PAD.

13. DUCT: SUPPLY, RETURN, OA, TA, AND 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.

14. DUCT INSULATION, FIBERGLASS DUCT WRAP, WITH FOIL FACED VAPOR BARRIER INSULATION SHALL BE U.L. LISTED. 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. PROVIDE INSULATION AS REQUIRED BY CODE AND THESE DRAWINGS.

15. 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 $\frac{1}{2}$" 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".

16. FLEXIBLE DUCTWORK SHALL BE THE INSULATED TYPE (R = 4.2 IN FLOOR CEILING ASSEMBLIES, R=6.0 IN ATTIC OR AS REQUIRED BY CODE) CLASS I AIR DUCT, UL 181 LISTED, THERMAFLEX OR EQUAL. DUCT SHALL BE SIZED AT 0.08"/100 FT STATIC PRESSURE DROP WHERE A SIZE IS NOT NOTED ON DRAWINGS. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.

17. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH BALANCING DAMPERS.

18. SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH 1" THICK 1-1/2 LB./CU. FT. DENSITY DUCTLINER, R=4.2 PER INCH, MANVILLE LINACOUSTIC OR EQUAL. DUCT LINER SHALL MEET REQUIREMENTS OF NFPA 90A & 90B, FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50, MEET ASTM G-21 AND G-22, A MIN NOISE REDUCTION COEFFICIENT OF 0.70. LINE ALL DUCTWORK MIN, 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL EDGES, SEAMS, RIPS, TEARS, ETC COMPLETELY (NO OPENINGS ALLOWED) WITH MANUFACTURER RECOMMENDED SEALER. NOTE: LINER IS NOT A SUBSTITUTE FOR INSULATION UNLESS SPECIFICALLY NOTED TO BE.

19. PORTIONS OF DUCTWORK VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.

20. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INCREASE SIZE TO ACCOMMODATE LINER.

21. EXPOSED DUCT RUNS IN COMMERCIAL SPACES SHALL BE INSULATED DOUBLE-WALL SPIRAL DUCTWORK.

22. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLENUMS). CONDENSATE SHALL BE PUMPED WHERE REQUIRED.

23. REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS. SUCTION PIPING SHALL BE INSULATED WITH 1/2" RUBATEX, ARMAFLEX, OR EQUAL PIPE INSULATION SLID 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 UNINSULATED. 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 LINE THE ENTIRE LENGTH. INSULATE THE LIQUID LINE WHERE ROUTED ON THE ROOF AND 2 FT DOWN INTO ROOF/CEILING PLENUM. ROUTE PIPE AS STRAIGHT AS POSSIBLE BETWEEN THE TWO UNITS (AHU & CU/HP) TO PROVIDE FOR SHORTEST DISTANCE. PIPE SHALL BE SUPPORTED OUTSIDE ON GRADE OR ROOF WITH PIPE CLAMPS OR HANGERS ATTACHED TO UNISTRUT OR CHANNEL SUPPORTS. DO NOT ALLOW SUPPORTS AND PIPE TO BE OF DISSIMILAR METALS IN CONTACT WITH EACH OTHER. CONTRACTORS SHALL GET IN WRITING FROM MANUFACTURER THEIR RECOMMENDATION FOR PIPE SIZING AND ROUTING. DO NOT ALLOW THE LIQUID AND VAPOR 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.

24. 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.

25. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS.

26. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.

27. 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.

28. THERMOSTATS SHALL NOT HAVE MERCURY. MOUNT THERMOSTATS 44" ON CENTER AFF UNLESS NOTED OTHERWISE. MAX HEIGHT OF THERMOSTAT CAN NOT EXCEED 46"AFF.

29. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL PLANS AND LIGHTS, CEILING GRID, ETC.

30. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM.

31. ALL EQUIPMENT SHALL BE LABELED WITH BAKELITE PLASTIC ENGRAVED NAMEPLATES WITH MINIMUM 1" LETTERING.

32. DURING CONSTRUCTION AND PRIOR TO OPERATING AIR EQUIPMENT PROVIDE 1" OR 2" PLEATED FILTERS IN UNITS. ALSO PROVIDE FILTER MEDIA AT RETURN DUCT INLET. AT TIME OF TEST AND BALANCE REMOVE FILTER MEDIA AND PLEATED FILTERS AND PROVIDE SCHEDULED/SPECIFIED FILTERS FOR UNITS.

33. 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.

34. WHERE INDICATED IN THE SCHEDULE PROVIDE MVDs AT SUPPLY TAKE-OFFS, WHERE ACCESSIBLE CEILING (LAY-IN) IS PROVIDED, OF RUNOUTS TO DIFFUSERS AND WHERE SHOWN ON PLANS. 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.

35. DO NOT USE TURNING VANES ON RETURN, EXHAUST, OR OA DUCT ELBOWS UNLESS NOTED OR SHOWN AS INSTALLED. INSTEAD USE STANDARD RADIUS ELBOWS.

36. ROUTE DUCT HIGH AS POSSIBLE UNDER JOIST/ROOF SUPPORT.

37. FIRESTOPPING ALL PIPE AND DUCT PENETRATIONS OF FIRE AND OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO THE ORIGINAL INTEGRITY PER IBC 714. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M CO. CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/ STRIP, OR PSS 7900 SERIES SYSTEM AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS. ALL FLOOR PENETRATIONS BY DUCTWORK ARE TO HAVE A FIRE DAMPER INSTALLED AT FLOOR/CEILING LEVEL PER IBC 716.6.1. PENETRATIONS OF FIRE RATED ASSEMBLIES TO BE FIRESTOPPED PER IBC 714. PROVIDE COPIES OF ALL FIRESTOPPING SUBMITTALS TO THE INSPECTORS SHOWING ALL SYSTEMS TO BE INSTALLED.

38. DAMAGED BUILDING COMPONENTS (CEILING GRID, CEILING TILES, WALL CEILINGS, LIGHT FIXTURES, ETC.) SHALL BE REPLACED TO AT LEAST THE QUALITY OF THE DAMAGED ITEM OR SURROUNDING AREA.

39. CONTROLS:
- A. PROVIDE NEW THERMOSTATS WHERE SHOWN ON PLANS. COORDINATE WITH LIGHT SWITCHES AND WITH ARCHITECT.
- B. INTERLOCK TOILET EXHAUST FANS WITH ASSOCIATED LIGHT SWITCH.
- C. PROVIDE SEPARATE SWITCH FOR EF-5.
- E. EF-1 & 2 SHALL BE CONTROLLED BY A HAND-OFF-AUTO SWITCH MOUNTED IN THE SPACE. IN "ON" POSITION, FANS SHALL ENERGIZE. IN "OFF" POSITION, FANS SHALL BE DE-ENERGIZED AND TURN OFF. PROVIDE A THERMOSTAT TO CONTROL THE OPERATION OF THE FANS WHEN THE HOA SWITCH IS IN THE "HAND" POSITION TO MAINTAIN 80°F (ADJUSTABLE). EF-1 SHALL BE INTERLOCKED WITH WL-2 AND EF-2 SHALL BE INTERLOCKED WITH WL-1.

40. ANY PLANNED DEVIATIONS TO THESE DOCUMENTS MUST BE DRAWN BY THE CONTRACTOR FOR SUBMITTAL TO THE ENGINEER AND THE AHJ.

AIR DISTRIBUTION DEVICE SCHEDULE

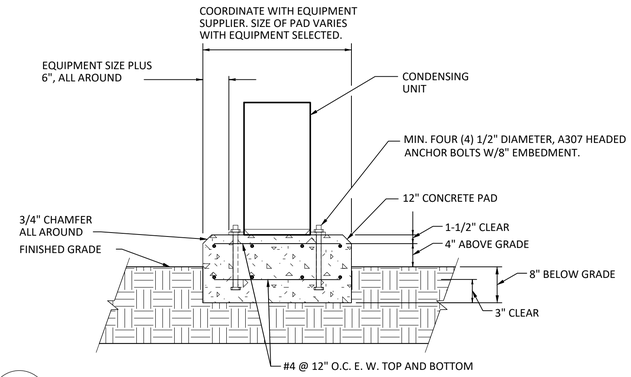
MARK	TYPE OF SERVICE	FACE SIZE	NECK SIZE	MAX ROOM NC	MAX SP (IN WG)	INTEGRAL DAMPER	BASIS OF DESIGN
A	SA	12"x12"	SEE PLANS	35	0.10	Y	TITUS: TMSA
B	RA	12"x12"	SEE PLANS	35	0.10	N	TITUS: 50F

1. RUNOUNT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS NOTED OTHERWISE ON DRAWINGS.
2. FINISH FOR ALL DEVICES SHALL BE NO. 26 WHITE, UNLESS OTHERWISE INDICATED ON ARCHITECTURAL DRAWINGS
3. IN GENERAL, ADD 2" IN BOTH DIMENSIONS ON FACE SIZE FOR BORDER.
4. MFR SHALL BE AS ABOVE OR BY PRICE, KRUEGER, ANEMOSTAT, TUTTLE & BAILEY

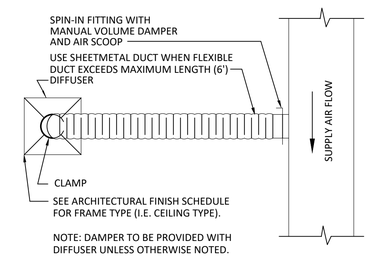
WALL LOUVER SCHEDULE

MARK	SERVICE	SIZE	PRESSURE DROP IN.WC.	CFM	BASIS OF DESIGN MAKE & MODEL	ACCESSORIES
WL-1,2	INTAKE	32"x28"	0.05	1350	GREENHECK: ECD-601	1-5

ACCESSORIES:
1. FLAT EXPANDED ALUMINUM BIRDSCREEN, INTERNAL, MILL FINISH.
2. PROVIDE FREE AREA FOR VELOCITY EQUAL TO 700 FPM.
3. 120V ACTUATOR
4. PROVIDE ALL ACCESSORIES AND HARDWARE FOR WALL-MOUNTING. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR WALL TYPES.
5. TOP OF LOUVERS SHALL BE MOUNTED AT AS HIGH AS POSSIBLE; TYP. COORDINATE WITH ARCHITECT.



1 CONCRETE PAD DETAIL
NTS



2 FLEXIBLE SUPPLY RUNOUT DETAIL
NTS

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Project #: 21-11

Design By: JCP & JCL

Project Date: 07-01-21

Revisions:

JACKSON FIRE STATION #3
CITY OF JACKSON
2405 COFFEEVILLE ROAD
JACKSON, AL 36545

MECHANICAL NOTES / SPECS AND LEGEND

ALABAMA LICENSED No. 39813 PROFESSIONAL ENGINEER JESSE LEE

M0.1

Sheet Number

ELECTRIC UNIT HEATERS

MARK	KW	VOLTAGE/ PHASE	MOUNTING HEIGHT	DISCHARGE	SERVES	BASIS OF DESIGN MAKE & MODEL (submit alternates)	DISCONNECT PROVIDED AND WIRED BY	ACCESSORIES
EUH-1,2,3,4	3.3	208/3	(1)	HORIZONTAL	VEHICLE BAYS	MARKEL 5100 SERIES	EC	1-4

(1) MOUNT HEATERS AS HIGH AS POSSIBLE AFF.

ACCESSORIES:

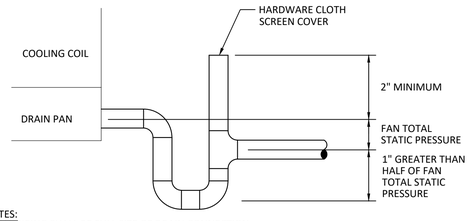
1. AUTOMATIC LINEAR OVERHEAT CUTOUT FULL LENGTH OF HEAT ELEMENT.
2. WALL/CEILING MOUNTING BRACKET AND ALL MOUNTING HARDWARE.
3. PROVIDE INTEGRAL THERMOSTAT.
4. STEEL FINNED TUBULAR HEATING ELEMENT.

SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE

TAG	SUPPLY CFM	O.A. CFM	COOLING EAT DB (°F)	COOLING EAT WB (°F)	COOLING OA AMB DB (°F)	SUPPLY FAN HP (WATTS)	EXT. S.P. (IN. W.G.)	ELECTRIC HEAT KW @ 208V	ELECTRICAL CIRCUIT 1 MCA	ELECTRICAL CIRCUIT 1 MOCP	ELECTRICAL CIRCUIT 2 MCA	ELECTRICAL CIRCUIT 2 MOCP	ELECTRICAL VOLT/PH.	FILTERS (MERV 13)	BASIS OF DESIGN	REMARKS
AHU-1	1220	200	77.8	62.7	95	1/2	1/2	7.20	30	30	---	---	208/3	2"	TRANE	(1)(2)(3)(4)(5)(6)

NOTES:

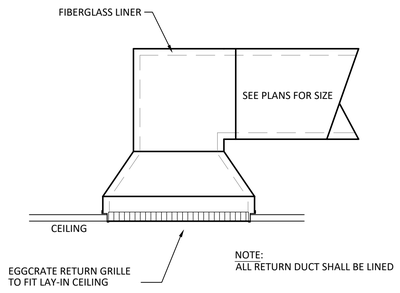
(1) PROVIDE AUXILLARY DRAIN PAN UNDER FAN COIL UNIT.
(2) DISCONNECT SWITCH PROVIDED AND INSTALLED BY ELEC. CONTRACTOR.
(3) PROVIDE WITH CASED COIL & TXV
(4) PROVIDE 24/7 PROGRAMMABLE THERMOSTAT
(5) PROVIDE EQUIPMENT SCHEDULED OR EQUAL BY LENNOX, RHEEM, CARRIER, DAIKIN, OR APPROVED EQUAL..
(6) UNIT SHALL MEET 2015 IECC



NOTES:
1. ALL PIPING SHALL BE FULL SIZE OF DRAIN CONNECTION.
2. FOR ROOF MOUNTED EQUIPMENT, TERMINATE DRAIN OVER SPLASH BLOCK.
3. WHERE SUPPORTED, ISOLATE PIPING FROM CLAMPS WITH OF 1/2" THICK NEOPRENE INSULATION.

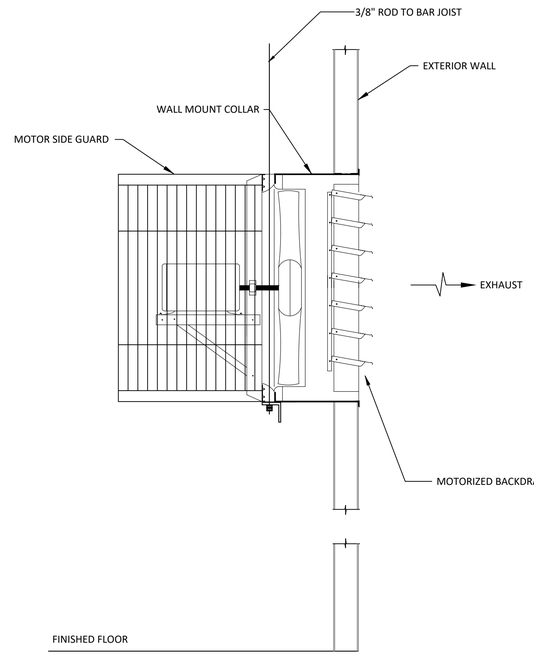
3 CONDENSATE DRAIN PIPING DETAIL

NTS



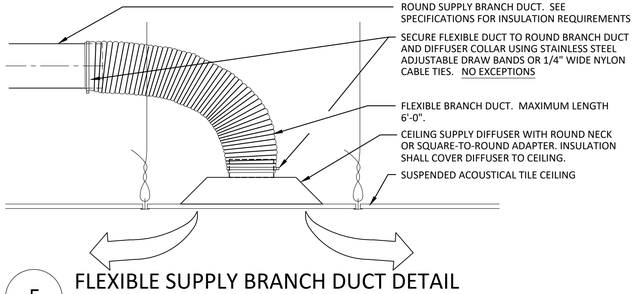
4 INSULATED RETURN AIR DETAIL

NTS



1 SIDE WALL EXHAUST FAN DETAIL

NTS



5 FLEXIBLE SUPPLY BRANCH DUCT DETAIL

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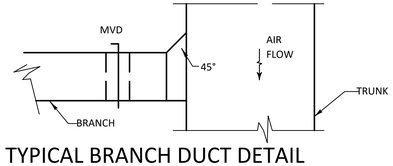

2 TYPICAL BRANCH DUCT DETAIL

NTS

HEAT PUMP UNIT SCHEDULE (OUTDOOR UNIT)

TAG	COOLING CYCLE MBH TOTAL	COOLING CYCLE MBH SEN.	MIN SEER	HEATING CYCLE MBH HTG.	HEATING CYCLE AIR TEMP.(°F. DB) ENT.	HEATING CYCLE AIR TEMP.(°F. DB) LVG.	HSPF	ELECTRICAL DATA MCA (AMPS)	ELECTRICAL DATA MFS (AMPS)	ELECTRICAL DATA VOLT/PH	MANUFACTURER & MODEL	NOTES
HP-1	34.0	23.5	14.0	15.0	60	90	9.0	13	20	208/3	TRANE	(1)(2)(3)(4)

(1) DISCONNECT SWITCH SUPPLIED BY DIVISION 16 (2) MOUNT ON HOUSEKEEPING PAD. (3) UNIT SHALL MEET 2015 IECC
(4) REFRIGERANT LINES SHALL BE SIZED BY THE MANUFACTURER. PROVIDE LONG LINE SETS WHERE REQUIRED. PROVIDE ALL REQUIRED ACCESSORIES.

FAN SCHEDULE

Sidewall Direct Drive Fan — MARK: EF-1,2

Qty	Greenheck Model	Volume (CFM)	External SP / Total SP (in wg)	FRPM	Max Sound Power (dBA)	Weight (Lb.)	Motor Information Size	V/C/P	Encl:	Motor RPM	Windings	FLA
2	SE1-14-440-VG	1350	0.3 / 0.3	1433	58	93	1/2	115/60/1	OP	1725	1	9.8

OPTIONS AND ACCESSORIES

No UL Listing
Airflow Direction: Exhaust
Short Wall Hsg, Flush Interior, w/ OSHA Grd., Ctd with Permatector, Concrete Gray-RAL 7023
Motor Access: From Int. of Bldg.
Switch, NEMA-1, Toggle, Shipped with Unit
Weatherhood, Galvanized 45 deg. with Bird Screen
Coated with Permatector, Concrete Gray-RAL 7023, Fan And Attached Acc

Ceiling Exhaust Fan — MARK: EF-3,4

Qty	Greenheck Model	Volume (CFM)	External SP / Total SP (in wg)	FRPM	Max Sound Power (dBA)	Weight (Lb.)	Motor Information Size	V/C/P	Encl:	Motor RPM	Windings	FLA
2	SP-A200	120	0.5 / 0.5	847	45	33	40 W	115/60/1	OP	900	1	NA

OPTIONS AND ACCESSORIES

UL/cUL 507 Listed - Electric Fan
Solid State Speed Control
Paintable Wall Cap
Designer Grille
Round Duct Connector
Polypropylene Wheel Material

Ceiling Exhaust Fan — MARK: EF-5

Qty	Greenheck Model	Volume (CFM)	External SP / Total SP (in wg)	FRPM	Max Sound Power (dBA)	Weight (Lb.)	Motor Information Size (hp)	V/C/P	Encl:	Motor RPM	Windings	FLA
1	SP-A200	50	0.5 / 0.5	740	42 DB	29	24W	115/60/1	OP	900	1	NA

OPTIONS AND ACCESSORIES

UL/cUL 507 Listed - Electric Fans
Solid State Speed Controller
See Plans For Termination
Decorative Grille
Round Duct Connection
Polypropylene Wheel Material

FOSHEE ARCHITECTURE
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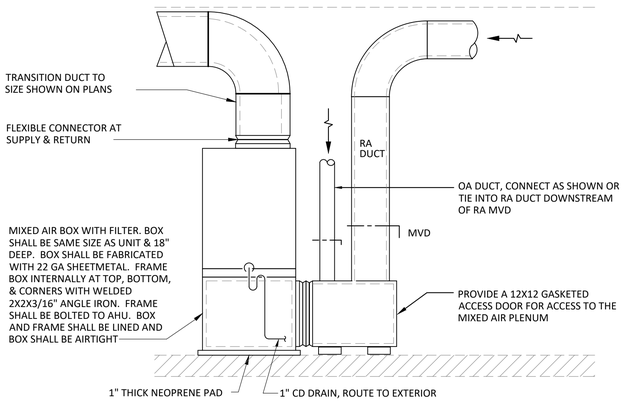
JACKSON, AL 36545

MECHANICAL NOTES / SPECS AND SCHEDULES

ALABAMA LICENSED No. 39813 PROFESSIONAL ENGINEER JESSE LEE

M0.2
Sheet Number



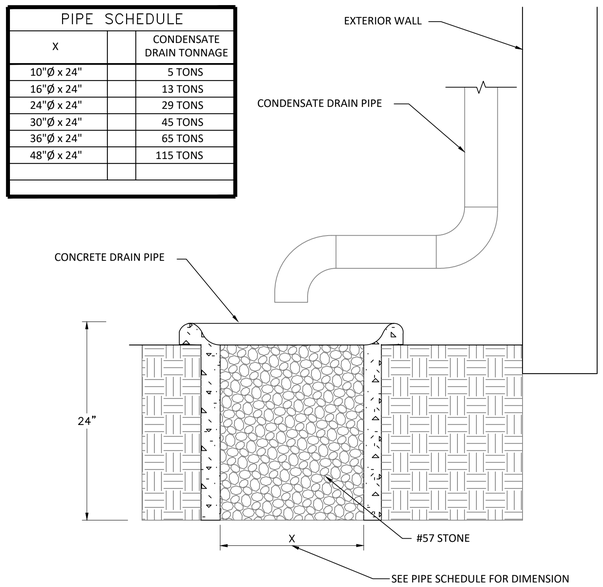
NOTES:

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

2 VERTICAL AIR HANDLER DETAIL

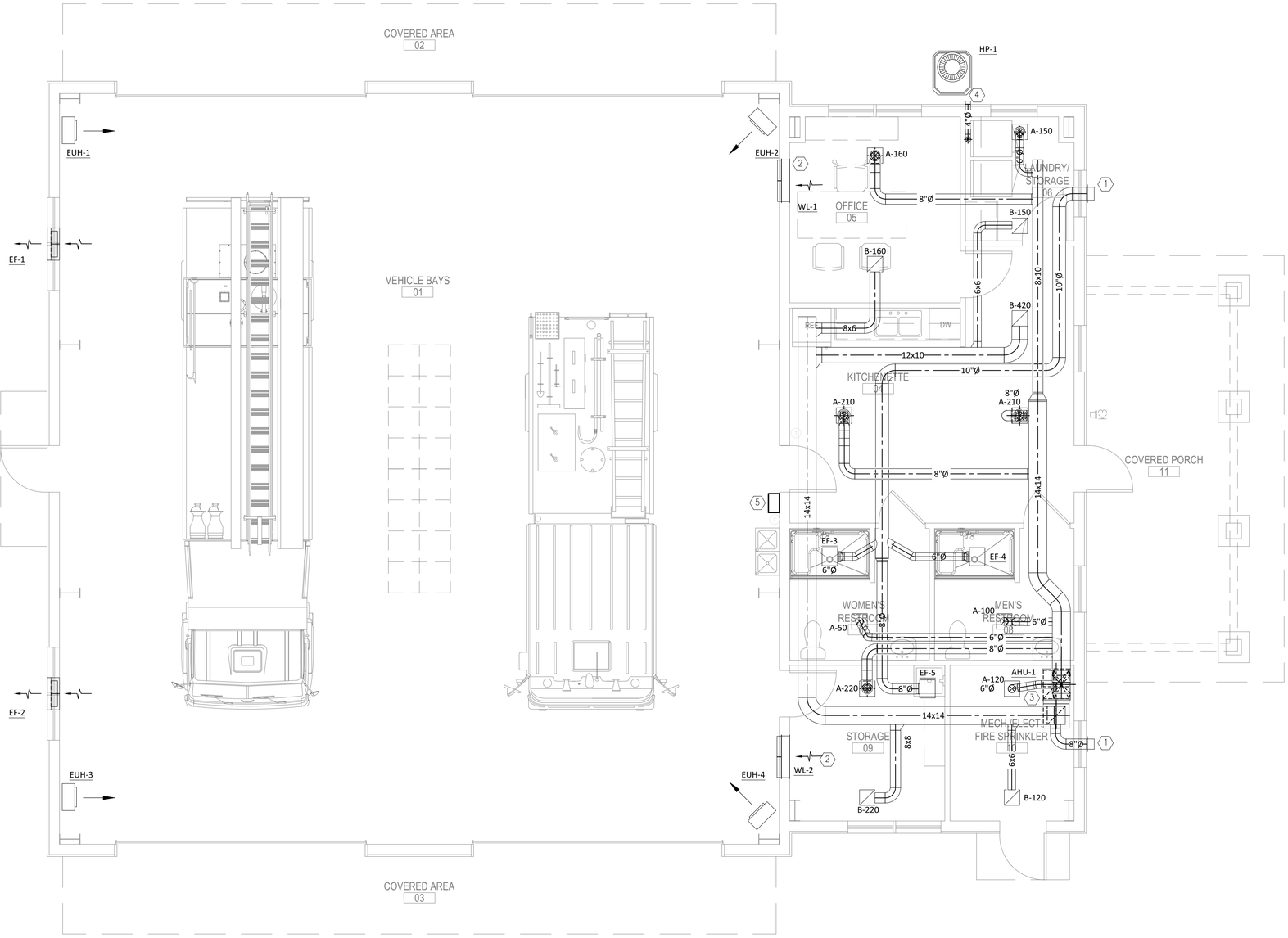
NTS

PIPE SCHEDULE		
X		CONDENSATE DRAIN TONNAGE
10"Ø x 24"		5 TONS
16"Ø x 24"		13 TONS
24"Ø x 24"		29 TONS
30"Ø x 24"		45 TONS
36"Ø x 24"		65 TONS
48"Ø x 24"		115 TONS



3 CONDENSATE DRAIN DRY-WELL DETAIL

NTS



KEYNOTES (APPLY TO THIS SHEET ONLY)

1. PROVIDE PAINTABLE WALL CAP SIZED AT 0.1 in. W.C. CENTER WALL CAP ABOVE WINDOW.
2. MOUNT LOUVERS HIGH ON WALL ABOVE THE OFFICE ROOF.
3. ROUTE CONDENSATE FROM AHU-1 OUT TO DRYWELL.
4. 4"Ø DRYER DUCT OUT TO EXTERIOR. TERMINATE WITH DRYER VENT.
5. HOA SWITCH INTERLOCKED WITH EF-1 AND EF-2.

GENERAL NOTES (APPLY TO THIS SHEET ONLY)

1. DIFFUSER LOCATIONS SHOWN ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
2. THERMOSTATS ARE TO BE INSTALLED 44" ON CENTER, TOP OF THERMOSTATS CAN NOT EXCEED 46"AFF.
3. THERMOSTATS TO BE LOCATED AFTER LIGHT SWITCHES WHEN THERE IS A DOOR OR END WALL CONDITION. THERMOSTATS NOT TO BE INSTALLED IN CENTER OF WALLS.
4. PROVIDE ACCESS PANELS IN CEILING WHERE REQUIRED. COORDINATE WITH ARCHITECT.

1 FLOOR PLAN - MECHANICAL

1/4" = 1'-0"

NORTH

FOSHEE ARCHITECTURE
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2405 COFFEEVILLE ROAD
JACKSON, AL 36545

MECHANICAL
NOTES / FLOOR PLAN

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 39812
JESSE LEE

M1.0

Sheet Number

PLUMBING SPECIFICATIONS

1. ALL PLUMBING EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL PLUMBING CODE, APPLICABLE INTERNATIONAL BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 101, AND ALL APPLICABLE CODES AND ORDINANCES.

2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, PIPE SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT. CHANGE ORDERS SHALL NOT BE PERMITTED FOR FAILURE TO EVALUATE EXISTING CONDITIONS PRIOR TO BID.

3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PLUMBING EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL NEW EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS. SHOP DRAWINGS SHALL HAVE THE EQUIPMENT LABELED TO MATCH THE UNIT DESIGNATION SHOWN ON THE DRAWINGS. PROVIDE ALL INFORMATION INDICATED IN THE SCHEDULES OR ON THE DRAWINGS. SUBMIT ALL EQUIPMENT AT THE SAME TIME IN ELECTRONIC FORMAT.

4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.

5. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.

6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE PLUMBING WORK. ANY CABLE ROUTED IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.

7. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

8. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.

9. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE PLUMBING CONTRACTOR.

10. PRESSURE TEST ALL PIPING AFTER INSTALLATION. VALVE OFF ANY EQUIPMENT THAT MAY BE SUBJECT TO SEAL FAILURE DUE TO TESTING.

11. ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER, COMMERCIAL GRADE PEX TYPE PIPING, OR CODE APPROVED ALTERNATVE. BELOW GROUND DOMESTIC WATER PIPING SHALL BE CODE APPROVED PVC OR CODE APPROVED EQUAL.

12. ABOVE GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. BELOW GROUND SANITARY PIPING SHALL BE SCHEDULE 40 PVC DWV. ALL PIPING IN A RETURN AIR PLENUM SHALL BE PLENUM RATED.

13. DOMESTIC HOT WATER PIPING SHALL BE INSULATED WITH 1" ARMSTRONG ARAMFLEX INSULATION, DOMESTIC COLD WATER WITH ½" ARMAFLEX. INSTALL INSULATION IN STRICT ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

14. PROVIDE ASSE 1070 MIXING VALVE AT EACH HAND SINK.

15. THE ENTIRE DOMESTIC WATER PLUMBING SYSTEM SHALL BE TESTED TO A PRESSURE OF 125 PSI FOR 6 HOURS OR AS REQUIRED BY LOCAL CODE. THE SANITARY SYSTEM SHALL BE TESTED IN ACCORDANCE WITH STATE AND LOCAL CODES WHERE REQUIRED. SUBMIT CERTIFIED TEST REPORT TO ARCHITECT FOR APPROVAL. ALL INSPECTIONS, TESTS, SURVEYS, AND ANY OTHER REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

16. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS.

17. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE PLUMBING WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.

18. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING EQUIPMENT, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER/ARCHITECT.

19. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEM AS WELL AS ACCESS TO VALVES WHERE REQUIRED.

20. PROVIDE WATER HAMMER ARRESTORS AT THE EACH END OF EACH DOMESTIC RUN OF PIPING.

23. 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.

24. ALL WASTE STACKS SHALL BE PROVIDED CLEANOUT PER CODE. WASTE STACKS MAY BE EXISTING, IF USED, PROVIDE CLEANOUT AS REQUIRED.

25. GAS LINES, WATER PIPES, ELECTRICAL LINES, PANEL BOXES, & CONDUITS SHALL BE LOCATED AND PROPERLY INSTALLED AS TO FACILITATE EASY CLEANING OF FLOORS, WALLS, CEILING, AND EQUIPMENT.

26. ANY PLANNED DEVIATIONS TO THESE DOCUMENTS MUST BE DRAWN BY THE CONTRACTOR FOR SUBMITTAL TO THE ENGINEER AND THE AHJ.

27. FIRESTOPPING ALL PIPE PENETRATIONS OF FIRE AND OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO THE ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M CO. CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/ STRIP, OR PSS 7900 SERIES SYSTEM AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS. PENETRATIONS OF FIRE RATED ASSEMBLIES TO BE FIRESTOPPED PER IBC 714.PROVIDE COPIES OF ALL FIRESTOPPING SUBMITTALS TO THE INSPECTORS SHOWING ALL SYSTEMS TO BE INSTALLED.

28. ANY JOBSITE CHANGES MADE TO THE PLUMBING OR MECHANICAL SYSTEM DESIGN AFTER THE PERMIT IS ISSUED WILL REQUIRE A DRAWING ILLUSTRATING THE CHANGES, ENDORSED IN WRITING AND STAMPED "APPROVED" BY THE ARCHITECT OR ENGINEER. SUCH APPROVED CONSTRUCTION DOCUMENTS SHALL NOT BE CHANGED OR ALTERED.

LEGEND - PLUMBING

SYMBOLS	ABBRV.	DESCRIPTION
	OW	OILY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING BELOW FLOOR OR GRADE
	S	SANITARY WASTE PIPING ABOVE FLOOR OR GRADE
	V	VENT PIPING
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	HOT WATER RECIRCULATE
	VTR	SANITARY VENT THROUGH ROOF
	FD	FLOOR DRAIN (-1 = TYPE)
	HD	HUB DRAIN
	CO / WCO	CLEANOUT / WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	GCO	GRADE CLEANOUT
	HB/NFWH	HOSE BIBB/NON FREEZE WALL HYDRANT OR DRAIN VALVE
	GV	GATE VALVE
	CV	CHECK VALVE
	WHA	WATER HAMMER ARRESTOR (P.D.I SIZE)
	BFP	BACKFLOW PREVENTER ASSEMBLY
	RPZ	REDUCED PRESSURE ZONE (BFP)
	PRV	PRESSURE REDUCING VALVE
	T & P	TEMPERATURE AND PRESSURE RELIEF VALVE
	TP	TRAP PRIMER
		CONNECT TO EXISTING
P-1		PLUMBING FIXTURE DESIGNATION
1		REFER TO PLUMBING KEYNOTES
		CONTINUE TO DESIGNATED LOCATION
	A.F.G.	ABOVE FINISHED GRADE
	B.F.F.	BELOW FINISHED FLOOR
	B.F.G.	BELOW FINISHED GRADE
	A/C	ABOVE CEILING
	A/F	ABOVE FLOOR
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	A.F.F.	ABOVE FINISHED FLOOR
	AHJ	AUTHORITY HAVING JURISDICTION

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	CW	HW	WASTE	VENT	SPECIFICATION
P-1A	WATER CLOSET - ADA	1"	N/A	3"	2"	ADA FLOOT MOUNT TOILET KOHLER HIGHLINE. K-3493-RA-0 (RIGHT CONTROL) K-3493-0 (LEFT CONTROL). OPEN FRONT TLT SEAT REQ'D.
P-2A	LAVATORY - ADA	1/2"	1/2"	1 1/2"	2"	SINK – KOHLER GREENWICH K-2032-0; SOAP DISPENSER – BOBRICK, B-2111, ALTEO K-45100-4CP (4" CENTER SET FAUCET). PROVIDE ADA GUARDS ON EXPOSED PIPES.
P-3A	SHOWER HEAD, VALVE, & DRAIN - ADA	1/2"	1/2"	2"	2"	ADA ROLL IN SHOWER - AQUATIC 16037BFSD. PROVIDE BOBRICK 18" GRAB BAR - B-5806X18, 36" GRAB BAR - B-5806X36, 42" GRAB BAR - B-5806X42. INSTALL BLOCKING IN WALL AS REQUIRED.
P-4A	TWO COMPARTMENT SINK	1/2"	1/2"	1-1/2"	2"	ELUH361710DBG, ELKAY LUSTERTONE CLASSIC STAINLESS STEEL 35-3/4" X 18-1/2" X 10", EQUAL DOUBLE BOWL UNDERMOUNT SINK KIT, ADA COMPLIANT INSTALLATION. PAIR WITH ELKAY FAUCET MODEL LKGT1041NK.
MS-1	MOP SINK	3/4"	3/4"	3"	2"	FIAT MOLDED STONE FLOOR MOUNTED MOP SINK, MODEL MSB2424. PAIRED WITH SERVICE FAUCET 830-AA. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE INSTALLATION.
EWC-1	DRINKING FOUNTAIN - ADA	1/2"	N/A	1-1/4"	2"	OASIS MODEL PGB8EBFSL REFRIGERATED, BI-LEVEL VERSA-COOLER II DRINKING FOUNTAIN W/ INTEGRATED ELECTRONIC BOTTLE FILLER. 7 FLA @ 120V/1Ø.
NFWH	NON-FREEZE WALL HYDRANT	3/4"	N/A	N/A	N/A	HOSEBIBB SHALL BE WALL MOUNTED IN BOX, FREEZE PROOF, 3/4"CONNECTION, W/ ANTI-SIPHON VACUUM BREAKER, WOODFORD MODEL B65 OR APPROVED EQUAL.

COORDINATE SPECIFICATIONS WITH ARCHITECT. PROVIDE ALL ACCESSORIES AND LABOR REQUIRED FOR COMPLETE INSTALLATION.
NOTES: PROVIDE MODEL SHOWN OR APPROVED EQUAL.

ELECTRIC WATER HEATER SCHEDULE

TAG	TANK (GAL)	NO. OF ELEMENTS	KW EACH	V/Ø	FLA	RECOVERY (GPH)	TEMP. RISE (°F)	SUPPLY (°F)	MANUF. & MODEL NO.
WH-1	120	3 (SIMUL)	6 (18 TOT)	208/3	50.0	82	90°	140°	AO SMITH: DRE ①

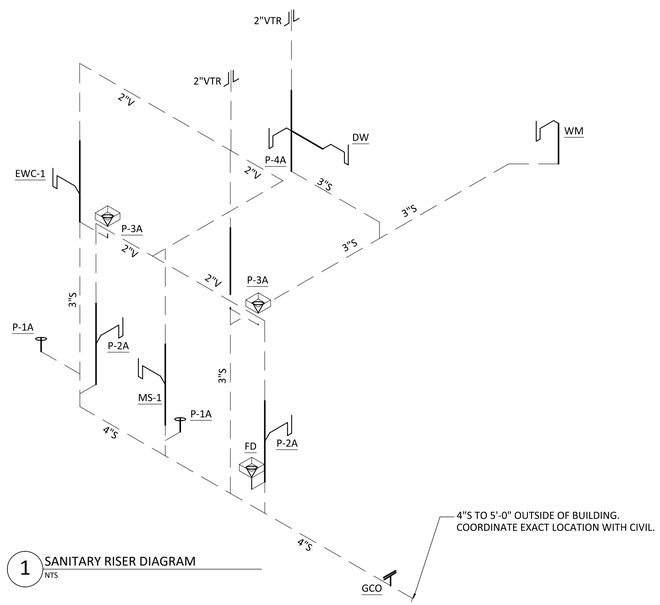
NOTES: UNIT SHALL HAVE HEAT TRAP; EFFICIENCY SHALL MEET OR EXCEED ASHRAE 90.1. PROVIDE MODEL SHOWN OR RHEEM, BRADFORD WHITE, OR APPROVED EQUAL.

① PROVIDE ASSE COMPLIANT MIXING VALVE AT ALL FIXTURES WHERE REQUIRED BY CODE.

HOT WATER CIRCULATING PUMP SCHEDULE

TAG	SERVICE	TYPE	LOCATION	HEAD (FEET)	GPM	MOTOR HP	MOTOR RPM	MOTOR VOLTS/PH	BASIS OF DESIGN	NOTES
CP-1	DOMESTIC HOT WATER	CLOSE-COUPLED IN-LINE	MECHANICAL RM	20	5	1/3	3,450	115/1	TACO MODEL 112	1 2 3 4

NOTES:
1. DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2. MOTOR SHALL BE PREMIUM EFFICIENCY.
3. PUMP SHALL BE CERTIFIED FOR USE IN POTABLE WATER SYSTEM.
4. PROVIDE PROGRAMMABLE TIMECLOCK IN MECH RM FOR PUMP OPERATION. COORDINATE OPERATION TIMES WITH OWNER. PROVIDE TIMESWITCH OR OTHER MEANS OF TEMPERATURE CONTROL IN ACCORDANCE WITH 2013 ASHRAE 90.1 7.4.4.2 AND 7.4.4.4



1 SANITARY RISER DIAGRAM
NTS

AIR COMPRESSOR SCHEDULE

TAG	TANK (CFM)	TANK (GAL)	V/Ø	FLA	HP	MANUF. & MODEL NO.
AC-1	8.5	30	208/3	9.0	3	SPEEDAIRE: 4B237C

NOTES: PROVIDE AIR DRYER AND ALL ACCESSORIES REQUIRED FOR A FULLY FUNCTIONING SYSTEM. VERIFY ALL AIR REQUIREMENTS AND COMPRESSOR SIZE WITH OWNER PRIOR TO PURCHASING EQUIPMENT. AS DESIGNED, AC'S SHOULD PROVIDE 1 CFM AT FURTHEST AIR BIB (CONFIRM WITH EQUIPMENT MANUFACTURER).

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Project #: 21-11
Design By: JCP & JCL
Project Date: 07-01-21
Revisions:

JACKSON FIRE STATION #3
CITY OF JACKSON
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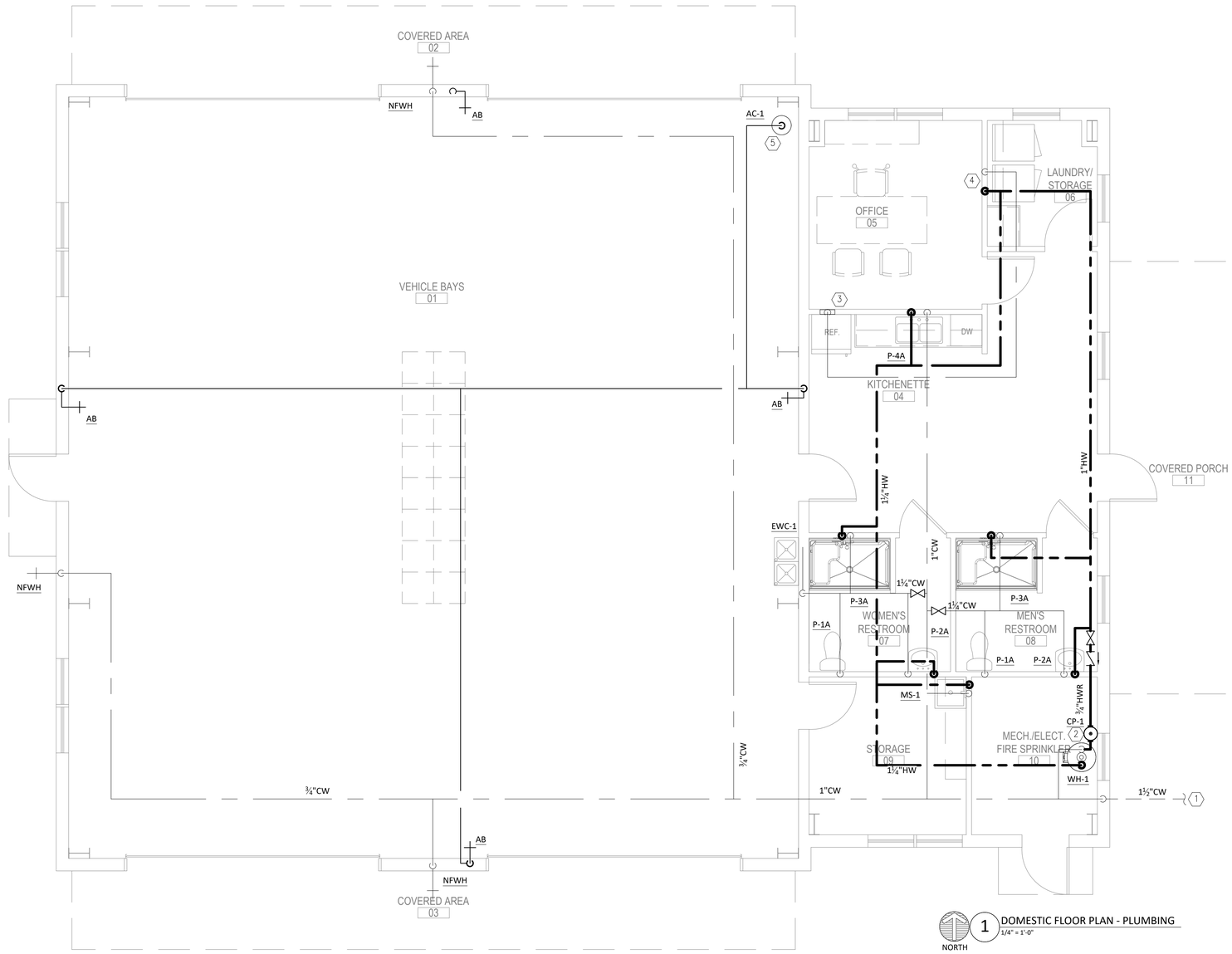
PLUMBING NOTES, SCHEDULES, AND LEGEND

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39813 JESSE LEE

P0.1
Sheet Number



1 DOMESTIC FLOOR PLAN - PLUMBING
1/4" = 1'-0"

NORTH

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. PROVIDE 1¼"CW TO 5'-0" BUILDING. COORDINATE EXACT LOCATION OF UTILITY WITH CIVIL.
2. PROVIDE 1¼"H&CW FOR WH-1.
3. PROVIDE ½"CW LINE IN WALL TO GUY GRAY BOX FOR ICE MAKER.
4. PROVIDE H&CW CONNECTIONS TO WASHING MACHINE IN WALL. COORDINATE EXACT LOCATION WITH EQUIPMENT.
5. COORDINATE EXACT LOCATION OF EQUIPMENT WITH OWNER.

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DOMESTIC FLOOR PLAN &
NOTES - PLUMBING

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No. 39813
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P1.0
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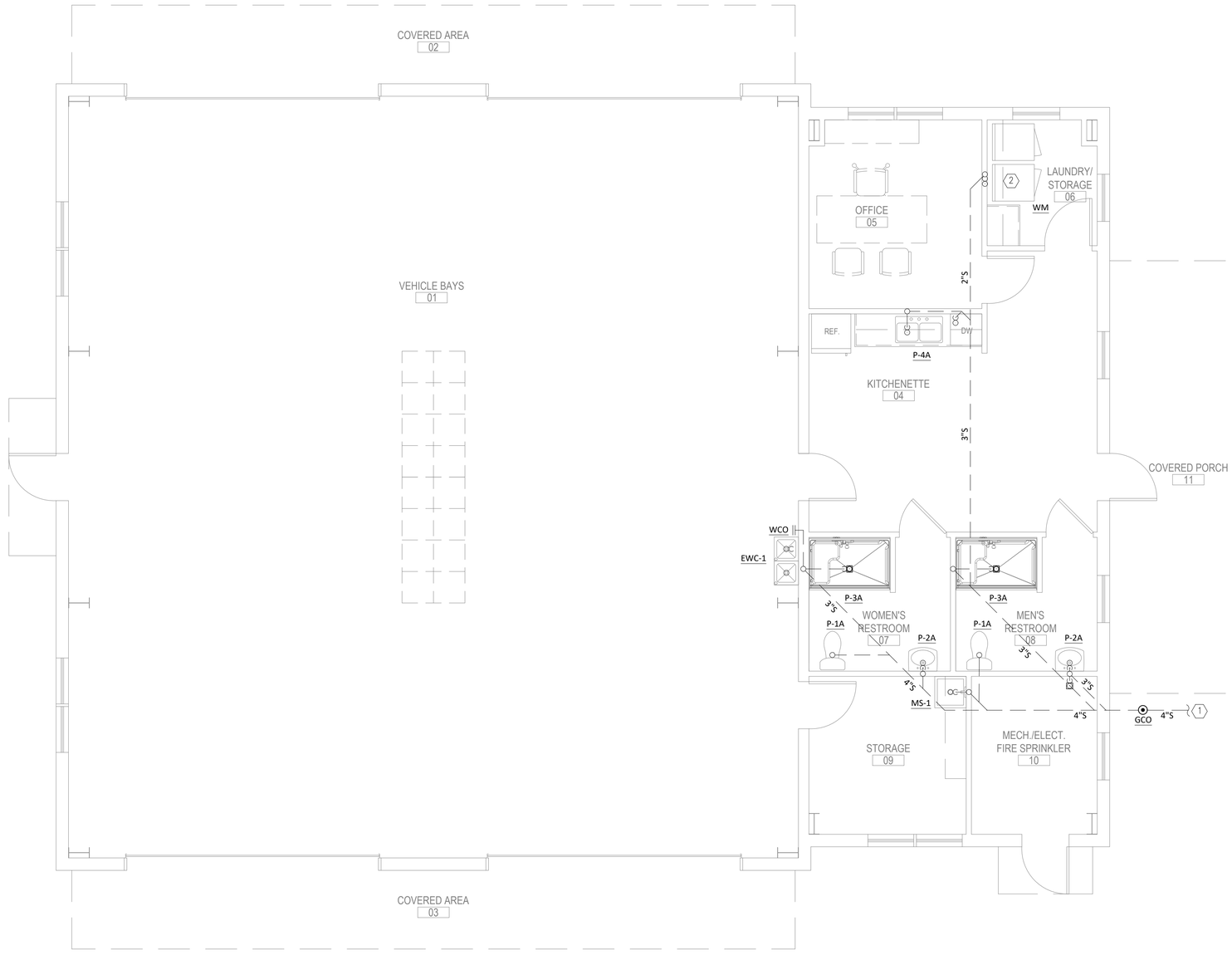

1 SANITARY FLOOR PLAN - PLUMBING
1/4" = 1'-0"

NORTH

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. PROVIDE 4"S TO 5'-0" OUTSIDE OF BUILDING. COORDINATE EXACT LOCATION OF UTILITY WITH CIVIL.
2. PROVIDE DRAIN IN WALL FOR WASHING MACHINE. COORDINATE EXACT LOCATION WITH EQUIPMENT.

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SANITARY FLOOR PLAN &
NOTES - PLUMBING

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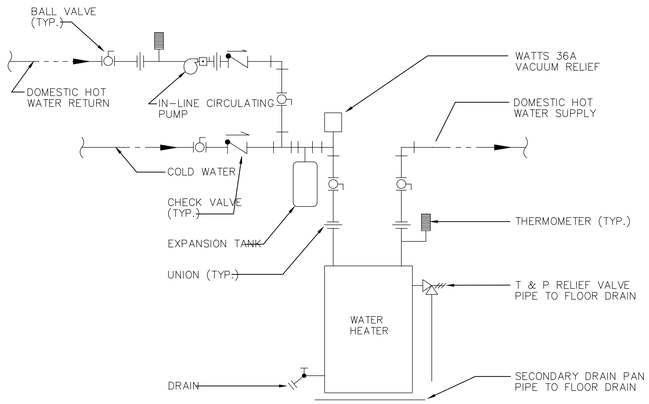
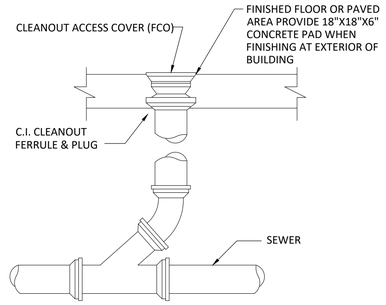
P2.0
Sheet Number



7 WATER HEATER DETAIL

NOT TO SCALE



4 CLEANOUT DETAIL

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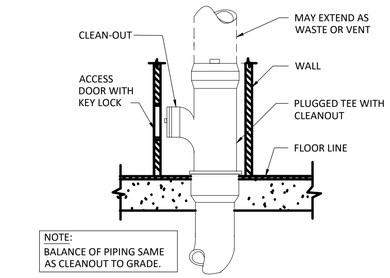

5 WALL CLEANOUT DETAIL

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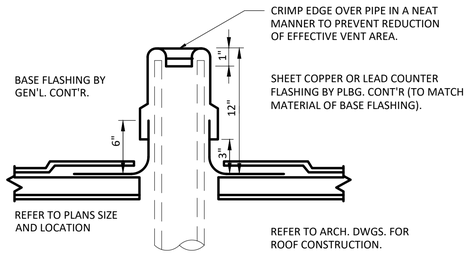
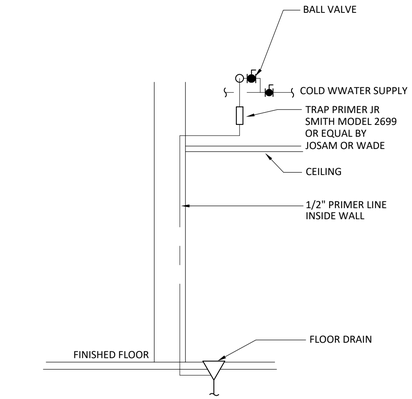


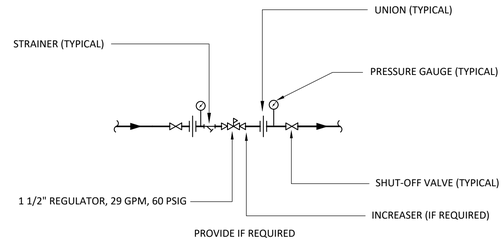
6 PLUMBING VENT THROUGH ROOF DETAIL

NOT TO SCALE



1 TYPICAL TRAP PRIMER DETAIL

NTS



2 PRESSURE REDUCING STATION DETAIL

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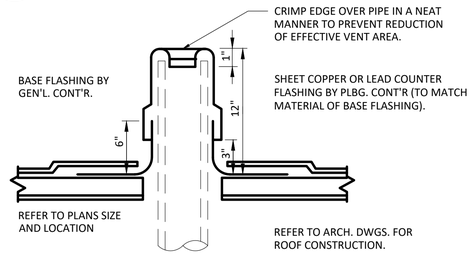

3 PLUMBING VENT THROUGH ROOF DETAIL

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DETAILS - PLUMBING

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LIFE SAFETY SYSTEMS AND SPECIFICATIONS:

1. PROVIDE A COMPLETE UL LISTED FIRE ALARM SYSTEM INCLUDING, BUT NOT EXCLUSIVE TO: CONTROL PANEL W/DIALER, SPRINKLER TAMPER/FLOW SWITCH CONNECTIONS (IF ADD. ALT. #2 IS TAKEN), RELAYS, DETECTION AND NOTIFICATION DEVICES, ETC IF ADD. ALT. #1 IS TAKEN.
2. ACCEPTABLE MANUFACTURER'S ARE NOTIFIER, EST, SIMPLEX, GAMEWELL, FIRELITE, OR SILENT KNIGHT.
3. PROVIDE MONITOR AND ALARM CONNECTION TO SPRINKLER FLOW AND TAMPER SWITCHES (IF ADD. ALT. #2 IS TAKEN). COORDINATE WITH FIRE PROTECTION SUBCONTRACTOR FOR LOCATIONS AND QUANTITY.
4. COORDINATE CONNECTION OF DUCT MOUNTED SMOKE DETECTORS FOR HVAC UNITS OVER 2000 CFM IN FIELD.
5. PROVIDE ADDITIONAL NOTIFICATION DEVICES AS REQUIRED BY LOCAL AHJ. FA CONTRACTOR TO COORDINATE WITH AHJ TO CONFIRM IF ADDITIONAL NOTIFICATION DEVICES WILL BE REQUIRED PRIOR TO BID.
6. THE CONTRACTOR SHALL PROVIDE ALL COMPONENTS, DEVICES, AND CONNECTIONS NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM AS REQUIRED BY NFPA AND THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND PROVIDE THE NECESSARY DEVICES, CONNECTIONS AND ZONES REQUIRED (INCLUDING, BUT NOT EXCLUSIVE TO, SMOKE DETECTORS, DUCT MOUNTED SMOKE DETECTORS, SPRINKLER SYSTEM FLOW AND TAMPER SWITCHES, HVAC CONTROLS, ETC.) PROVIDE QUANTITY OF PULL STATIONS, AUDIO/VISUAL DEVICES, AND POWER SUPPLIES AS REQUIRED BY NFPA AND THE AUTHORITY HAVING JURISDICTION. PROVIDE POWER AS REQUIRED FOR POWER SUPPLIES, ETC FROM PANEL "LPL". ALL BREAKERS CONNECTING TO FIRE ALARM SYSTEM EQUIPMENT SHALL BE PROVIDED WITH A LOCK-ON DEVICE. COORDINATE EXACT LOCATION OF FACP WITH FA SYSTEM INSTALLER.
7. PROVIDE AN ADD ALTERNATE TO PROVIDE AN APPROVED EMERGENCY RESPONDER RADIO COVERAGE SYSTEM IF THE BUILDING IS FOUND TO REQUIRE ONE BY THE FIRE CODE OFFICIAL AFTER RADIO SIGNAL TESTING IS PERFORMED AFTER THE BUILDING CONSTRUCTION IS COMPLETE.

LOW VOLTAGE SYSTEMS NOTE:

LOW VOLTAGE SYSTEMS FOR THIS PROJECT SHALL BE PROVIDED AS "DESIGN BUILD" UNDER SEPARATE CONTRACTS.

- ACCESS CONTROL
- VIDEO SURVEILLANCE
- SECURITY ALARM
- SOUND

ADDITIVE ALTERNATE SUMMARY:

ALTERNATE #1:

1. PROVIDE BREAKERS, WIRING, CONDUIT, EQUIPMENT, ETC. AS REQUIRED FOR THE INSTALLATION OF A FIRE ALARM SYSTEM AS DESCRIBED IN THE ABOVE "LIFE SAFETY SYSTEMS AND EQUIPMENT SPECIFICATIONS" NOTES ON THIS SHEET. PROVIDE ALL WIRING, CONDUIT, BREAKERS, DEVICES, ETC. AS REQUIRED FOR MONITOR AND ALARM CONNECTION TO SPRINKLER FLOW AND TAMPER SWITCHES. COORDINATE WITH FIRE PROTECTION SUBCONTRACTOR FOR LOCATIONS AND QUANTITY

ALTERNATE #2:

1. PROVIDE ALL WIRING, CONDUIT, BREAKERS, DEVICES, ETC. AS REQUIRED FOR MONITOR AND ALARM CONNECTION TO SPRINKLER SYSTEM FLOW AND TAMPER SWITCHES. COORDINATE WITH FIRE PROTECTION SUBCONTRACTOR FOR LOCATIONS AND QUANTITY.

ALTERNATE #3:

1. PROVIDE ALL WIRING, CONDUIT, BREAKERS, EQUIPMENT, ETC. REQUIRED FOR THE INSTALLATION OF THE 125kW, 120/208v, 3-PHASE NATURAL GAS GENERATOR AND ASSOCIATED 400A, 3-PHASE, 240V ATS. IF THIS ALTERNATE IS NOT TAKEN, INSTALL 300A FEEDER FROM SERVICE DISCONNECT DIRECTLY TO PANEL "LPL" (SEE SHEET E5.0 FOR MORE INFORMATION) AND INSTALL SERVICE DISCONNECT IN LOCATION SHOWN FOR AUTOMATIC TRANSFER SWITCH.

ELECTRICAL GENERAL NOTES AND SPECIFICATIONS:

1. ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES AND 2004 NATIONAL ELECTRICAL CODE (NEC) WITH ALABAMA AMENDMENTS (IF APPLICABLE).
2. THE ELECTRICAL WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL ELECTRICAL WORKS AS SHOWN ON THESE DRAWINGS.
3. COORDINATE LOCATION OF LIGHT FIXTURES IN AREAS OF MECHANICAL DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR. RELOCATE LIGHT FIXTURES, WIRING AND CONDUIT IF NECESSARY AS DIRECTED BY THE ARCHITECT/ENGINEER.
4. ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, OR WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION.
5. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
6. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL JUNCTION BOXES AND COMPONENTS SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.
7. REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE ELECTRICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK.
8. ALL CONDUIT MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
9. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH ALL EQUIPMENT.
10. THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP.
11. PROVIDE A NEW DIRECTORY FOR ALL PANELS. CORRECTLY LABEL ALL CIRCUITS, SPACES AND SPARES PER NEC 408.4.
12. ALL RECESSED LIGHTING FIXTURES SHALL BE FASTENED TO STRUCTURE OR GRID PER NEC 410.
13. ALL PENETRATIONS THROUGH FIRE WALL AND FLOORS SHALL BE FIRE STOPPED WITH 3M FIRE BARRIER OR EQUAL PRODUCT MEETING UL 1479 OR ASTM E814 FIRE RATING IN ACCORDANCE WITH NEC ARTICLE 300.21.
14. MOUNTING HEIGHTS FOR DEVICES ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
15. ALL BRANCH CIRCUITS SHALL BE WIRED 2#12, 1#12G, 1/2"C. MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM 3/4" CONDUIT.
16. UNLESS NOTED OTHERWISE, MULTIWIRE BRANCH CIRCUITS MAY BE USED WHERE APPLICABLE FOR THE SAME LOAD TYPE UTILIZING A COMMON NEUTRAL FOR UP TO THREE (3) CIRCUITS OF A DIFFERENT PHASE EXCEPT FOR CIRCUITS RATED MORE THAN 20 AMPS, MULTI-PHASE CIRCUITS, CIRCUITS DEDICATED TO COMPUTER EQUIPMENT AND CIRCUITS SERVING ONLY ONE OUTLET OR DEVICE. OVERCURRENT PROTECTION SHALL COMPLY WITH NEC 210.4.
17. PROVIDE A SEPARATE GREEN, INSULATED, #12AWG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS. PROVIDE GROUND THROUGH ENTIRE CONDUIT RUN TO THE LAST DEVICE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT. PROVIDE GROUNDING PER NEC 250.
18. ALL SWITCHES FOR LIGHTS, FANS, ETC., WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA, SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
19. ARMORED CABLE MAY BE USED IN WALLS AND MILLWORK ONLY (WHERE ACCEPTABLE BY OWNER AND AHJ) AND MUST BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE PLENUM SHALL BE EMT. ALL HOMERUNS SHALL BE IN CONDUIT RAN FROM THE FIRST DEVICE OR LIGHT FIXTURE TO THE PANEL.
20. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF OUTLETS, LIGHT FIXTURES, AND PARTITIONS. FINISHES FOR DEVICES AND COVER PLATES SHALL BE AS SELECTED BY ARCHITECT.
21. LIGHT FIXTURES SHALL BE AS SCHEDULED, WITH ONLY PRE-APPROVED EQUAL FIXTURES ACCEPTABLE.
22. RACEWAYS: RIGID GALVANIZED STEEL FOR ALL EXPOSED LOCATIONS WHERE SUBJECT TO DAMAGE OR THE ELEMENTS; EMT FOR CONCEALED, DRY LOCATIONS, UNLESS NOTED OTHERWISE; SCHEDULE 40 PVC BELOW GRADE.
23. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE ON PLANS. CONDUCTORS FOR SIZES NO. 10 AND SMALLER SHALL BE TYPE "THWN" OR "THHN/THWN". CONDUCTORS FOR SIZES NO. 8 AND LARGER SHALL BE TYPE "XHHW". SOLID CONDUCTORS TERMINATING IN A BREAKER OR DEVICE SHALL BE UTILIZED FOR WIRE SIZE NO. 12. MINIMUM WIRE SIZE SHALL BE NO. 12.
24. ALL BOXES SHALL BE PRESSED STEEL, SINGLE PIECE (NON-GANGABLE) TYPE.
25. ALL COVER PLATES FOR DEVICES AND JUNCTION BOXES SHALL HAVE CIRCUIT NUMBERS LABELED WITH INDELIBLE INK MARKER. DEVICE COVERS SHALL BE LABELED ON THE BACK, JUNCTION BOX COVERS SHALL BE LABELED ON THE FRONT.
26. RECEPTACLES SHALL BE 120 VOLT, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, P&S, OR LEVITON. COLOR FOR DEVICES AND COVER PLATES SHALL BE AS SELECTED BY THE ARCHITECT.

SINGLE RECEPTACLE	#HBL5361X
DUPLEX RECEPTACLE	#HBL5352X
GFCI RECEPTACLE	#GF5352X

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

SINGLE POLE	#HBL1221X
THREE WAY	#HBL1223X
FOUR WAY	#HBL1224X
(ADD "L" SUFFIX FOR KEYED LOCKING TYPE)	

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

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT ON CENTER (COORD. WITH ARCH.)
	LED LIGHT FIXTURE	
	EMERGENCY EGRESS LIGHT FIXTURE	
	EXIT SIGN (PROVIDE FACES AND ARROWS AS SHOWN)	
	CONDUIT RUN CONCEALED IN WALL OR CEILING (IF POSSIBLE). IF CONDUIT IS REQUIRED TO BE EXPOSED, ROUTE PARALLEL/PERPENDICULAR TO WALLS AND STRUCTURE.	
	CONDUIT RUN CONCEALED IN THE FLOOR, UNDERGROUND, OR UNDER THE ELEVATED SLAB	
	CIRCUITS HOMERUN TO THE PANEL	
	NUMBER OF CONDUCTORS (GROUND NOT SHOWN)	
	FLEXIBLE CONDUIT OR CORD	
	PLYWOOD BACKBOARD	
	DUPLEX RECEPTACLE – WALL MOUNTED UNLESS NOTED OTHERWISE	18" UNO
or GFI	GFCI DUPLEX RECEPTACLE OR RECEPTACLE CONNECTED TO GFCI BREAKER (IF SHOWN IN PB SCHEDS) – WALL MTD	18" UNO
	OUTLET ABOVE THE COUNTER OR OUTLET MOUNTED ABOVE NORMAL MOUNTING HEIGHT	6" AC UNO/AS NOTED
	QUADRUPLEX RECEPTACLE – WALL MOUNTED	18" UNO
	SINGLE RECEPTACLE – WALL MOUNTED	18" UNO
	SPECIAL AMP/VOLT RECEPTACLE – WALL MOUNTED	18" UNO
	FLOOR MOUNTED RECEPTACLE	
	VOICE AND DATA OUTLET – WALL MOUNTED	18" UNO
	TELEVISION CABLE OUTLET – WALL MOUNTED UNLESS NOTED OTHERWISE	18" UNO
J	JUNCTION BOX	
J	JUNCTION BOX – WALL MOUNTED	
S	SPST SWITCH – WALL MOUNTED	48"
S_3	3-WAY SWITCH – WALL MOUNTED	48"
S_4	4-WAY SWITCH – WALL MOUNTED	48"
S_D	DIMMER SWITCH – WALL MOUNTED (PROVIDE WATTAGE/TYPE TO MATCH FIXTURE DIMMING DRIVER TYPE)	48"
S_{3D}	3-WAY DIMMER SWITCH – WALL MOUNTED (PROVIDE WATTAGE/TYPE TO MATCH FIXTURE DIMMING DRIVER TYPE)	48"
S_K	KEYED SWITCH – WALL MOUNTED	48"
S_T	TIMER SWITCH – WALL MOUNTED – WATTSTOPPER TS-400 OR EQUAL	48"
OS	WALL MOUNTED OCCUPANCY SENSOR (SINGLE RELAY) – WATTSTOPPER PW-100 OR EQUAL	48"
OS^2	WALL MOUNTED OCCUPANCY SENSOR (DUAL RELAY) – WATTSTOPPER PW-200 OR EQUAL	48"
DSI	WALL MOUNTED OCCUPANCY SENSOR AND 0-10V DIMMER – LSI WS10-OS-XX OR EQUAL	48"
OS	CEILING MOUNTED OCCUPANCY SENSOR – WATTSTOPPER DT-300 OR EQUAL	
PP	OCCUPANCY SENSOR POWER PACK	
	120/208 VOLT PANELBOARD OR DISTRIBUTION PANEL – FLUSH OR SURFACE MOUNTED AS INDICATED IN SCHEDULE	
	DISCONNECT (FRAME AND POLES TO MATCH OCP OR AS NOTED)	
	FIRE ALARM PULL STATION – WALL MOUNTED	48"
	FIRE ALARM ADA APPROVED AUDIO/VISUAL (SEE FA SYSTEM INSTALLER'S PLANS FOR CANDELA RATING)	80"
	FIRE ALARM ADA APPROVED VISUAL ONLY (SEE FA SYSTEM INSTALLER'S PLANS FOR CANDELA RATING)	80"
D	SMOKE DETECTOR – CEILING MOUNTED / WALL MOUNTED	
H	HEAT DETECTOR – CEILING MOUNTED, WALL MOUNTED	
	SECURITY CAMERA – WALL OR CEILING MOUNTED – COORD. EXACT LOCATION AND REQS WITH OWNER.	
AC	ABOVE COUNTER	
AFF	ABOVE FINISHED FLOOR	
EC / MC / PC	ELECTRICAL CONTRACTOR / MECHANICAL CONTRACTOR / PLUMBING CONTRACTOR	
NL	NIGHT LIGHT (ON 24 HRS A DAY)	
UNO	UNLESS NOTED OTHERWISE	
WP	WEATHER PROOF	

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Project Date: 07-01-21

Revisions:

JACKSON FIRE STATION #3
CITY OF JACKSON
2405 COFFEEVILLE ROAD
JACKSON, AL 36545

ELECTRICAL NOTES/SPECS AND LEGEND

ALABAMA LICENSED No. 31867 PROFESSIONAL ENGINEER JEFFREY B. HIRES

E0.1

Sheet Number

GENERAL NOTES (APPLY TO THIS SHEET ONLY):

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

VOICE/DATA AND SECURITY SYSTEMS NOTES:

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

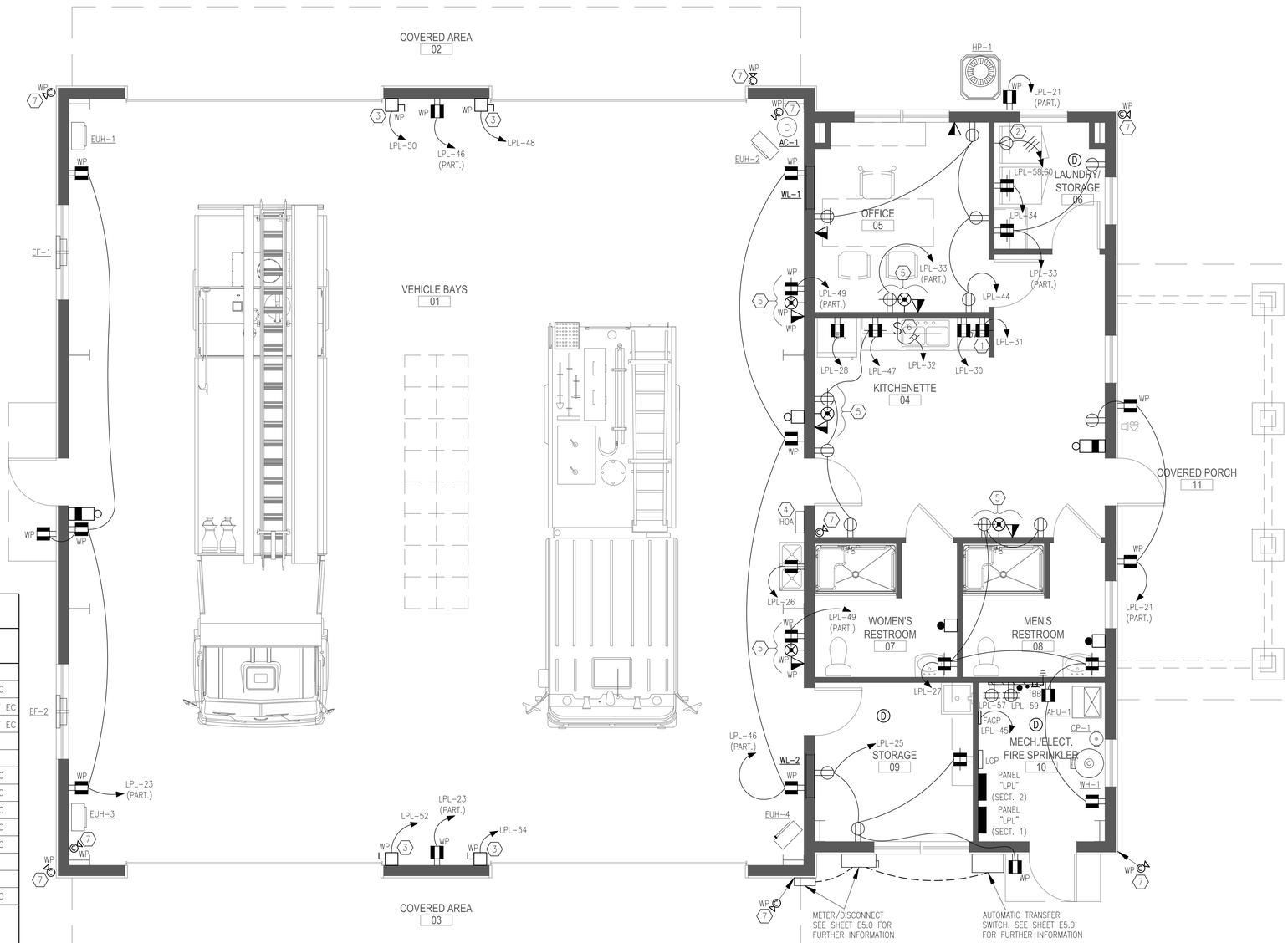
KEYNOTES (APPLY TO THIS SHEET ONLY):

1. MOUNT ABOVE COUNTER FOR MICROWAVE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
2. PROVIDE NEMA 14-30R FOR DRYER AND 3#10, 1#10G, 3/4"C. ROUTED TO INDICATED CIRCUIT.
3. FOR ELECTRIC ROLL UP DOOR. PROVIDE ALL CONNECTIONS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH DOOR PROVIDER/INSTALLER PRIOR TO ROUGH-IN. MOUNT AND CONNECT DOOR OPERATOR SWITCH(ES) AT LOCATIONS DIRECTED BY OWNER.
4. COORDINATE WIRING OF HOA SWITCH WITH ASSOCIATED EF'S WITH MC DURING INSTALLATION.
5. FOR TV. COORDINATE MOUNTING HEIGHT OF THESE DEVICES WITH TV/TV MOUNT PRIOR TO ROUGH-IN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PROVIDER/INSTALLER PRIOR TO ROUGH-IN.
6. GARBAGE DISPOSAL. COORDINATE EXACT REQUIREMENTS WITH PROVIDER/INSTALLER. PROVIDE SWITCHED GFCI RECEPTACLE IF CORD/PLUG IS PROVIDED.
7. BOTH INTERIOR AND EXTERIOR CAMERAS TO HAVE 3/4" CONDUIT WITH PLASTIC BUSHING ON END TO 6" ABOVE NEAREST ACCESSIBLE CEILING OR ATTIC (OR UP NEAR STRUCTURE FOR AREAS WITH NO CEILING). MOUNT AS REQUIRED BASED ON SUBSTRATE. COORDINATE FINAL CAMERA LOCATIONS WITH ARCHITECT/OWNER. COORDINATE WITH ARCHITECT FOR EXACT CONDUIT ROUTING LOCATION PRIOR TO INSTALLATION.

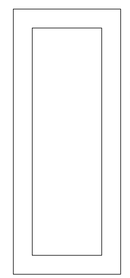
HVAC/PLUMBING EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

TAG	LOAD	VOLT./~	CIRCUIT DESIGNATION	BREAKER	BRANCH CIRCUIT	NOTE
AHU-1	30 MCA	208/3	LPL-1,3,5	30/3	3#10, 1#10G, 3/4"C.	DISCONNECT BY EC
HP-1	13 MCA	208/3	LPL-61,63,65	20/3	3#12, 1#12G, 3/4"C.	WP DISCONNECT BY EC
EF-1	1/2 HP	120/1	LPL-20	20/1	2#12, 1#12G, 3/4"C.	WP COMBO MS/DISCO BY EC
EF-2	1/2 HP	120/1	LPL-22	20/1	2#12, 1#12G, 3/4"C.	WP COMBO MS/DISCO BY EC
EF-3,4	40 W	120/1	CTRL WITH LIGHTS - SEE PLANS	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EF-5	24 W	120/1	CTRL WITH SWITCH - SEE PLANS	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
EUH-1	3.3 kW	208/3	LPL-7,9,11	20/3	3#12, 1#12G, 3/4"C.	WP DISCONNECT BY EC
EUH-2	3.3 kW	208/3	LPL-13,15,17	20/3	3#12, 1#12G, 3/4"C.	WP DISCONNECT BY EC
EUH-3	3.3 kW	208/3	LPL-8,10,12	20/3	3#12, 1#12G, 3/4"C.	WP DISCONNECT BY EC
EUH-4	3.3 kW	208/3	LPL-14,16,18	20/3	3#12, 1#12G, 3/4"C.	WP DISCONNECT BY EC
WL-1,2	0.35 A	120/1	LPL-24	15/1	2#12, 1#12G, 3/4"C.	WP DISCONNECT BY EC
WH-1	18 kW	208/3	LPL-62,64,66	70/3	3#4, 1#8G, 1-1/4"C.	DISCONNECT BY EC
CP-1	1/3 HP	120/1	LPL-19	20/1	2#12, 1#12G, 3/4"C.	DISCONNECT BY EC
AC-1	3 HP	208/3	LPL-51,53,55	20/3	3#12, 1#12G, 3/4"C.	WP DISCONNECT BY EC

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



1 ELECTRICAL FLOOR PLAN - POWER
1/4" = 1'-0"



GENERATOR AND GENERATOR CONCRETE PAD. SEE SHEET E5.0 FOR FURTHER INFORMATION

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ELECTRICAL
FLOOR PLAN - POWER

ALABAMA LICENSED No. 31867 PROFESSIONAL ENGINEER JEFFREY B. HIRD

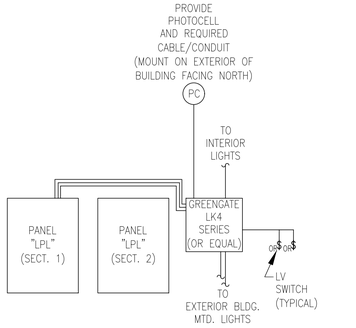
E1.1
Sheet Number

GENERAL NOTES (APPLY TO THIS SHEET ONLY):

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

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. CONNECT TO UNSWITCHED "HOT" FROM LIGHTING CIRCUIT FEEDING THIS AREA.
2. ROUTE THROUGH RELAY (# INDICATED BY "R#") OF LIGHTING CONTROL PANEL. SEE DETAIL 2 ON THIS SHEET FOR MORE INFORMATION.
3. MOUNT WALL SCONCE FIXTURE "OWS" DIRECTLY ABOVE WALL PACK "OW" FOR FIREHOUSE SIGN LIGHTING. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.



2 LIGHTING CONTROL DETAIL

NOT TO SCALE

LIGHTING CONTROL NOTES:

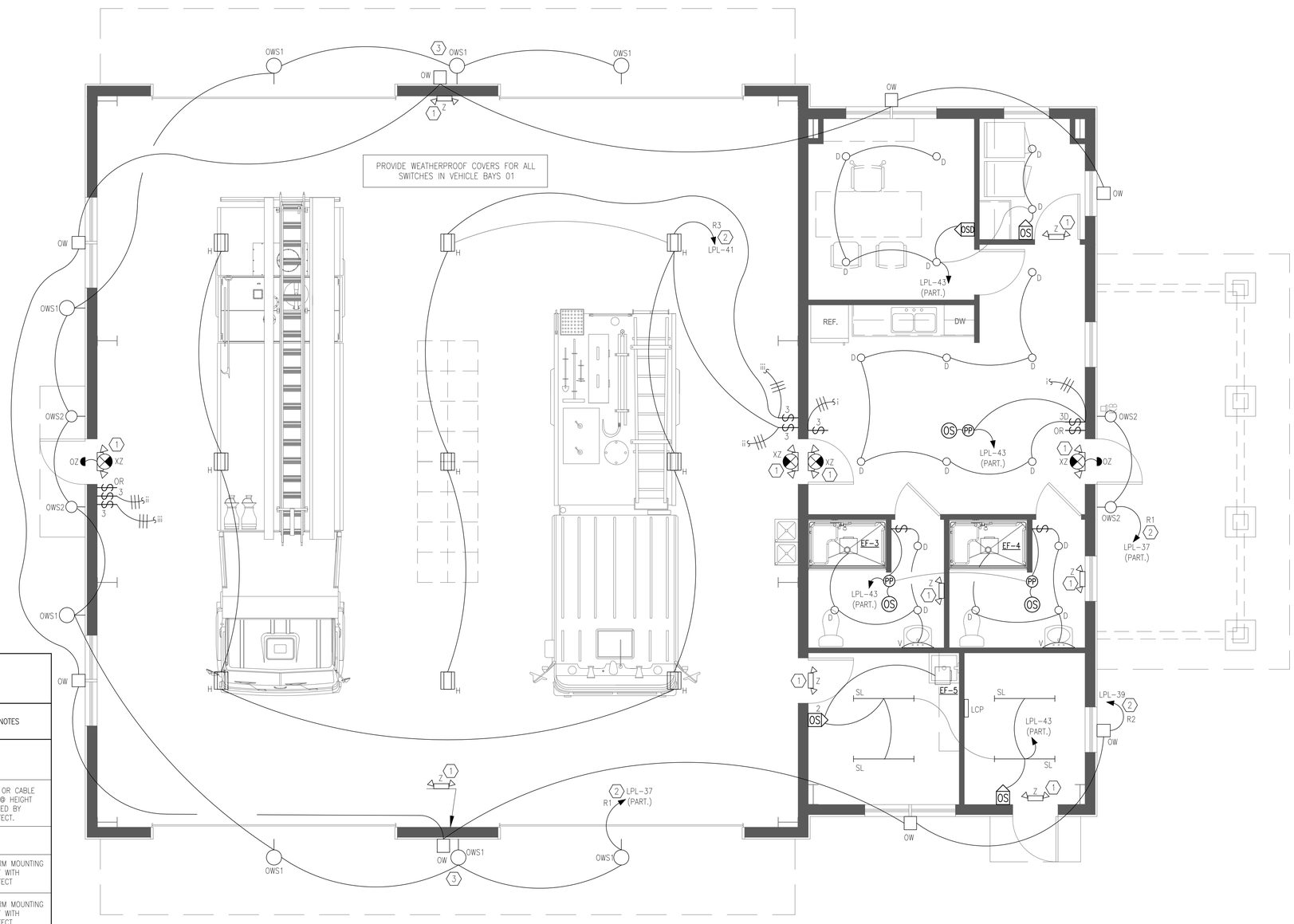
1. PROVIDE LOW VOLTAGE OVERRIDE SWITCH(ES) (GREENGATE GMDS SERIES OR EQUAL) – QTY AS SHOWN ON PLANS – FOR AUTOMATIC SHUTOFF OVERRIDE OF INTERIOR LIGHTING RELAYS. PROVIDE LOW VOLTAGE CABLING FROM SWITCH(ES) TO ASSOCIATED LCP AS REQUIRED. COORDINATE/CONFIRM DESIRED MOUNTING LOCATION OF SWITCH(ES) WITH ARCHITECT PRIOR TO ROUGH-IN.
2. PROVIDE 120V POWER TO LCP VIA DEDICATED 20A/1P CIRCUIT FROM LPL-35 VIA 2#12, 1#12G, 1/2"C.

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	LAMP TYPE	MANUFACTURER/MODEL	NOTES
D	6" APERTURE LED DOWNLIGHT WITH 3000 LUMEN OUTPUT, WIDE DISTRIBUTION, WHITE FLANGE, AND ELECTRONIC 0-10V DIMMING DRIVER.	LED – 33.39W [3500K]	VANTAGE LIGHTING V60FCR SERIES OR EQUAL	
H	LINEAR LED FIXTURE WITH 15000 LUMEN OUTPUT, HIGH PERFORMANCE DRIVER, 120° DIFFUSED OPTICS BEAM, AND STANDARD MOUNTING.	LED – 81W [3500K]	GE LIGHTING ABV3 SERIES OR EQUAL	CHAIN OR CABLE HANG @ HEIGHT DIRECTED BY ARCHITECT.
SL	4', LED LENSED STRIP FIXTURE WITH 4000 LUMEN OUTPUT, WIREGUARD, AND ELECTRONIC DRIVER.	LED – 30.1W [3500K]	LSI SDL SERIES OR EQUAL	
OW	LED WALL PACK SCONCE FIXTURE WITH 8000 LUMEN OUTPUT, FORWARD THROW DISTRIBUTION. FINISH TO BE SELECTED BY ARCHITECT/OWNER.	LED – 62W [4000K]	LSI XWM SERIES OR EQUAL	CONFIRM MOUNTING HEIGHT WITH ARCHITECT
OWS1	EXTERIOR LED WALL SCONCE WITH GOOSENECK MOUNTING STYLE, WHS20 SHADE SIZE, BLACK POWDER COAT SHADE AND MOUNTING FINISH, 850 LUMEN OUTPUT, AND DOMED LENS.	LED – 11W [4000K]	BARN LIGHT BLE-G-WHS20-100 -G26-100-NA-NA-NA -NA-LED11-3500K-DL	CONFIRM MOUNTING HEIGHT WITH ARCHITECT
OWS2	1- LIGHT SCONCE FIXTURE WITH CLEAR GLASS PANELS.	(1) 100W E26 BASE LED EQUIVALENT	PROGRESS LIGHTING P560266-020	CONFIRM MOUNTING HEIGHT WITH ARCHITECT
OZ	EXTERIOR ARCHITECTURAL EMERGENCY FIXTURE WITH BATTERY.	LED	EVENLITE WWEM SERIES OR EQUAL	MOUNT ABOVE DOOR
V	2 LAMP INCANDESCENT VANITY LIGHT FIXTURE.	(2) 100W E26 BASE LED EQUIVALENT	PROGRESS LIGHTING P2158-09	
XZ	COMBO EMERGENCY/EXIT FIXTURE. WHITE WITH RED LETTERS. PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN. WALL OR CEILING MOUNT AS REQUIRED.	LED	EVENLITE TLP SERIES OR EQUAL	
Z	2-HEAD EMERGENCY FIXTURE WITH BATTERY.	LED	EVENLITE TEBL3 SERIES OR EQUAL	

LIGHTING FIXTURE SCHEDULE NOTES:

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



1 ELECTRICAL FLOOR PLAN – LIGHTING

1/4" = 1'-0"

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ELECTRICAL
FLOOR PLAN - LIGHTING

ALABAMA LICENSED No. 31867 PROFESSIONAL ENGINEER JEFFREY B. HIRD

E2.1

Sheet Number

SECTION 1

 # - PROVIDE GFCI TYPE BREAKER — **PANEL LPL** — AIC RATING: 22,000A — MOUNTING: SURFACE

VOLTAGE: 120/208V — 3 PHASE / 4 WIRE

AMP RATING: 400A — MAIN: MLO — PROVIDE FEED THROUGH LUGS FOR 2ND SECTION

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
1			2.88	A	-			2
3	**30/3**	**AHU-1**	2.88	B	-	**SPD**	**100/3**	4
5			2.88	C	-			6
7			1.10	A	1.10			8
9	**20/3**	**EUH-1**	1.10	B	1.10	**EUH-3**	**20/3**	10
11			1.10	C	1.10			12
13			1.10	A	1.10			14
15	**20/3**	**EUH-2**	1.10	B	1.10	**EUH-4**	**20/3**	16
17			1.10	C	1.10			18
19	**20/1**	**CP-1**	0.86	A	1.18	**EF-1**	**20/1**	20
21	**20/1**	**RECS. - EXT./04**	0.72	B	1.18	**EF-2**	**20/1**	22
23	**20/1**	**RECS. - 01/EXT.**	0.90	C	0.10	**WL-1,2**	**15/1**	24
25	**20/1**	**RECS. - 09/EXT.**	0.72	A	1.00	**REC. - 01 (EWC)**	**# 20/1**	26
27	**20/1**	**RECS. - 04,07,08,10**	1.08	B	1.00	**REC. - 04 (REF.)**	**# 20/1**	28
29	**20/1**	**RECS. - 04**	0.90	C	0.80	**REC. - 04 (DW)**	**# 20/1**	30
31	**# 20/1**	**REC - 04 (MW)**	1.00	A	1.00	**REC. - DISPOSAL**	**# 20/1**	32
33	**20/1**	**RECS. - 05,06**	0.54	B	1.20	**REC. - 06 (WM)**	**# 20/1**	34
35	**20/1**	**LCP**	0.50	C		**SPARE**	**20/1**	36
37	**20/1**	**LTG. - EXTERIOR (R1)**	0.36	A		**SPARE**	**20/1**	38
39	**20/1**	**LTG. - EXTERIOR (R2)**	0.58	B		**SPARE**	**20/1**	40
41	**20/1**	**LTG.-VEHICLE BAYS (R3)**	0.32	C		**SPARE**	**20/1**	42

SECTION 2

^ - PROVIDE BKR LOCK-ON DEVICE — **PANEL LPL** — AIC RATING: 22,000A — MOUNTING: SURFACE

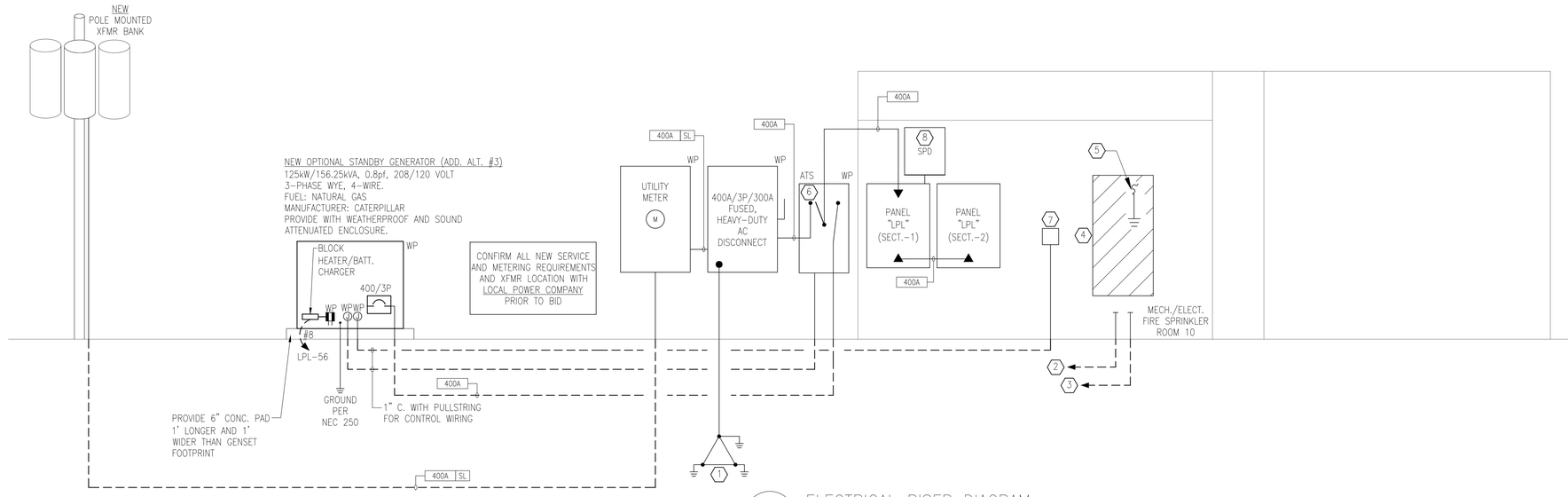
VOLTAGE: 120/208V — 3 PHASE / 4 WIRE

AMP RATING: 400A — MAIN: MLO

CKT NO.	BKR	DESCRIPTION	KVA	PHASE	KVA	DESCRIPTION	BKR	CKT NO.
43	**20/1**	**LTG. - INTERIOR**	0.99	A	0.90	**RECS. - 05**	**20/1**	44
45	**^ 20/1**	**FACP**	0.50	B	0.72	**REC.S - 01**	**20/1**	46
47	**20/1**	**RECS. - 04**	0.72	C	1.20	**ROLL-UP DOOR**	**20/1**	48
49	**20/1**	**RECS. - 01 (TVs)**	0.36	A	1.20	**ROLL-UP DOOR**	**20/1**	50
51		**AIR COMPRESSOR (AC-1)**	1.32	B	1.20	**ROLL-UP DOOR**	**20/1**	52
53	**20/3**		1.32	C	1.20	**ROLL-UP DOOR**	**20/1**	54
55			1.32	A	2.00	**GEN. BLK HTR. & CHG.**	**40/1**	56
57	**20/1**	**REC. - 10 (TBB)**	0.36	B	2.15	**REC. - 06 (DRYER)**	**30/2**	58
59	**20/1**	**REC. - 10 (SECUIRTY)**	0.50	C	2.15			60
61			1.25	A	6.00			62
63	**20/3**	**HP-1**	1.25	B	6.00	**WH-1**	**70/3**	64
65			1.25	C	6.00			66
67	**20/1**	**SPARE**		A		**SPARE**	**20/1**	68
69	**20/1**	**SPARE**		B		**SPARE**	**20/1**	70
71	**20/1**	**SPARE**		C		**SPARE**	**20/1**	72
73	**20/1**	**SPARE**		A		**SPARE**	**20/1**	74
75	**20/1**	**SPARE**		B		**SPARE**	**20/1**	76
77	**20/1**	**SPARE**		C		**SPARE**	**20/1**	78
79		**SPACE**		A		**SPACE**		80
81		**SPACE**		B		**SPACE**		82
83		**SPACE**		C		**SPACE**		84

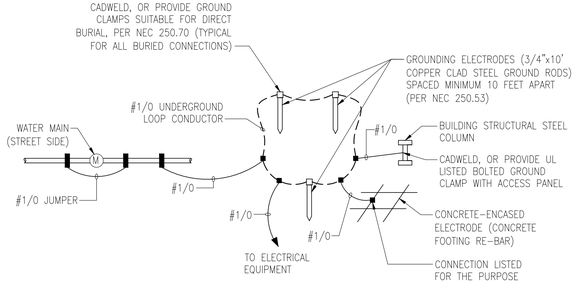
LOAD SUMMARY (BOTH SECTIONS)

PHASE A	27.4156 KVA	208	VOLTS PHASE-TO-PHASE
PHASE B	27.072 KVA		
PHASE C	25.14 KVA		
TOTAL CONNECTED	79.6276 KVA	221.0	AMPS



1 ELECTRICAL RISER DIAGRAM

NOT TO SCALE



2 MAIN GROUNDING DETAIL

NOT TO SCALE

KEYNOTES (APPLY TO THIS SHEET ONLY):

1. PROVIDE NEW GROUNDING SYSTEM PER NEC 250. SEE DETAIL 2 ON THIS SHEET. PROVIDE ALL APPLICABLE CONNECTIONS SHOWN ON DETAIL.
2. TELEPHONE SERVICE – PROVIDE (1) 4" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE) – COORDINATE EXACT CONDUIT REQUIREMENTS AND TERMINATION LOCATION WITH TELEPHONE COMPANY PRIOR TO BID AND CONDUIT INSTALLATION. PROVIDE LONG SWEEP ELBOWS. CONDUIT TO BE BURIED MIN. 24" DEEP.
3. CATV SERVICE – PROVIDE (1) 2" CONDUIT WITH PULLSTRING EXTENDED TO RIGHT OF WAY (PROPERTY LINE) – COORDINATE EXACT CONDUIT REQUIREMENTS AND TERMINATION LOCATION WITH TELEPHONE COMPANY PRIOR TO BID AND CONDUIT INSTALLATION. PROVIDE LONG SWEEP ELBOWS. CONDUIT TO BE BURIED MIN. 24" DEEP.
4. PROVIDE 3/4" x 4'W x 8'H GRADE A PLYWOOD BACKBOARD – PAINT WITH FIRE RETARDANT PAINT.
5. PROVIDE GROUND BUS BAR AND 1#6 INSULATED GROUND TO BUILDING GROUND.
6. 400A, 208V, 3-PHASE, AUTOMATIC TRANSFER SWITCH (ATS). ASCO SERIES 300 OR EQUAL. NEMA 3R ENCLOSURE. PROVIDE IF ADDITIVE ALTERNATE #3 IS APPROVED.
7. GENERATOR REMOTE ANNUNCIATOR PANEL. PROVIDE LV CABLING AS REQUIRED. CONFIRM DESIRED LOCATION INSIDE BUILDING WITH OWNER PRIOR TO INSTALLATION. PROVIDE IF ADDITIVE ALTERNATE #3 IS APPROVED.
8. CURRENT TECHNOLOGY TG3-100 (OR EQUAL BY LIEBERT). MAXIMUM LEAD LENGTH OF 5'-0". WIRE PER MANUF. RECOMMENDATION. MOUNT ON TOP OR BOTTOM OF "LPL" WITH NIPPLE CONNECTION.

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

RISER DIAGRAM FEEDER SCHEDULE

TAG	NUMBER OF SETS	CONFIG.	PHASE/NEUTRAL SIZE PER SET	EQUIP. GROUND PER SET	CONDUIT SIZE PER SET	NOTES
400A SL	1	3-PH, 4W	4 # 600 kcmil	N/A	4"	SERVICE LATERAL
400A	1	3-PH, 4W+G	4 # 600 kcmil	1 # 3	4"	

HI-COMPRESSION ("COMPACT") TYPE ALUMINUM CONDUCTORS MAY BE USED FOR THE FOLLOWING IF THE SAME OR LARGER CAPACITY OF THOSE COPPER CONDUCTORS AND CONDUIT SIZES SHOWN ARE ADJUSTED ACCORDINGLY:

1. SERVICE LATERALS
2. FEEDERS 100A CAPACITY OR GREATER

NOTE: COPPER CONDUCTORS SHALL BE USED FOR ALL BRANCH CIRCUITS (INCLUDING HVAC).

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ELECTRICAL RISER DIAGRAM AND PANEL SCHEDULE

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E5.0

Sheet Number