FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

11/03/2023

2WR # 21-772

GENERAL

ARCHITECTURAL

STRUCTURAL

MECHANICAL

PLUMBING

FIRE SPRINKLER

ELECTRICAL

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Project Number: 21-772
Date 11/03/2023
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No.	Date	Description

Sheet Description
COVER SHEET

Sheet Number
T1.1

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ABBREVIATIONS

@	At
ABV	Above
ACT	Acoustic Ceiling Tile
ADJ	Adjacent
AFF	Above Finished Floor
ALT	Alternate
ALUM	Aluminum
APPROX	Approximately
ARCH	Architect/Architectural
AVG	Average
BD	Board
BLDG	Building
BLKG	Blocking
B.O.	Bottom of
BOS	Bottom of Step
BOT	Bottom
BSMT	Basement
CAB	Cabinet
CF	Cubic Feet
CG	Corner Guard
CIP	Cast In Place
CJ	Control Joint Construction Joint
CL	Center Line
CLG	Ceiling
CLR	Clear
CM	Construction Manager
CMU	Cement Masonry Unit
COL	Column
CONC	Concrete
CONST	Construction
CONT	Continuous
COORD	Coordinate
CPT	Carpet
CT	Ceramic Tile
CTR	Center
D	Deep or Depth
DBL	Double
DEMO	Demolish
DEPT	Department
DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DN	Down
DS	Downspout
DWG	Drawing
EA	Each
EJ	Expansion Joint
EL	Elevation
ELEC	Electric or Electrical
ELEV	Elevator
ENG	Engineer
EQ	Equal
EQUIP	Equipment
EXIST	Existing
EW	Equal Width
EXT	Exterior
FA	Fire Alerm
FD	Floor Drain
FDN	Foundation
FEC	Fire Extinguisher Cab
FFE	Finished Floor Elevation
FIN	Finish
FLR	Floor
FT	Foot or Feet
FUR	Furred or Furring
FURN	Furnished
GA	Gauge
GALV	Galvanize(d)
GC	General Contractor
GEN	General
GWB	Gypsum Wall Board
GYP	Gypsum
HC	Hollow Core
H/C	Handicap Accessible
HDW	Hardware
HM	Hollow Metal
HOR	Horizontal
HR	Hour
H	Height
HVAC	Heating, Vent. & A/C
IN	Inch
INCL	Included/ing
INFO	Information
INSUL	Insulation
INT	Interior
JC	Janitor's Closet
JST	Joist
JT	Joint
LAM	Laminate
LAV	Lavatory
LBS	Pounds
LF	Linear Feet
LOC	Location
MACH	Machine
MAINT	Maintenance
MAT	Material
MAX	Maximum
MECH	Mechanical
MFR	Manufacturer
MIN	Minimum or Minute
MISC	Miscellaneous
M.O.	Masonry Opening
MTD	Mounted
MTL	Metal
N/A	Not Applicable
N.I.C.	Not in Contract
NOM	Nominal
NO.	Number
NTS	Not to Scale
O.C.	On Center
OD	Outside Diameter
OFCI	Owner Furnished Contractor Installed
OPP	Opposite
OZ	Ounce
PERF	Perforated
PERIM	Perimeter
PH	Partial Height
PLAM	Plastic Laminate
PLUM	Plumbing
PLWD	Plywood
PREFAB	Prefabricated
PSF	Pounds Per Square Foot
PSI	Pounds Per Square Inch
PT	Pressure Treated
PTD	Painted
PVC	Poly Vinyl Chloride
QTY	Quantity
QT	Quarry Tile
R	Radius
RD	Roof Drain, Road
REBAR	Reinforcing Bar
REF	Refrigerator
REINF	Reinforced
REQ'D	Required
REV	Revision
RM	Room

ARCHITECTURAL SYMBOLS

DRAWING NUMBER
1 / A101 — View Name — 1/8" = 1'-0" — DRAWING SCALE
DRAWING TITLE
SHEET NUMBER

SIM = SIMILAR TO VIEW
OPP = MIRRORED VIEW
1 / A101 — SIM
ENLARGED DETAIL

1 / A101 — SIM — 1 Ref
INTERIOR ELEVATION

A1.1 — 1
EXTERIOR ELEVATION

VIEW DIRECTION
1 / A101 — SIM
SECTION

1
COLUMN GRIDLINE

10'-3"
ELEVATION POINT

DRAWING NUMBER
1 / A101
DRAWING REFERENCE
SHEET NUMBER

CENTER LINE

NORTH ARROW

DN
SLOPE DOWN DIRECTION

Room name — 101 — 150 SF
ROOM NAME
ROOM LABEL
ROOM NUMBER
AREA
HEIGHT AFF

10'-0" — A
CEILING LABEL
CEILING TYPE

1
KEYED NOTE

SA-1
TOILET ACCESSORY

1
REVISION

W25
WALL TYPE

A
WINDOW TYPE

1
HOLLOW METAL FRAME TYPE

101A
DOOR NUMBER

4:12
DRAINAGE SLOPE

GENERAL NOTES

USE OF CONTRACT DOCUMENTS

1. DRAWINGS AND SPECIFICATIONS OF ALL DISCIPLINES INCLUDED HEREIN CONSTITUTE THE FULL SCOPE OF THIS PROJECT. THESE DOCUMENTS ARE INTENDED TO ESTABLISH THE FULL CONTRACTUAL OBLIGATION OF THE GENERAL CONTRACTOR TO COMPLETE THE WORK SHOWN AND SPECIFIED. IT SHALL BE THE GENERAL CONTRACTOR'S ULTIMATE RESPONSIBILITY TO COORDINATE THE PROPOSALS AND WORK OF ALL TRADES.
2. ARCHITECTURAL AND ENGINEERING DRAWINGS ARE COMPLIMENTARY. ITEMS INDICATED ON ARCHITECTURAL DRAWINGS SHALL BE PROVIDED WHETHER OR NOT THEY ARE INDICATED ON AND/OR COORDINATED WITH CONSULTANTS' DRAWINGS. ANY CONFLICTS BETWEEN ARCHITECTURAL AND ENGINEERING WORK SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
3. CONTRACTORS SHALL COORDINATE THE SCOPE OF THEIR WORK WITH THE CONTRACT DOCUMENTS. PLANS AND SPECIFICATIONS SHALL NOT BE SEPARATED. NO CLAIMS FOR EXTRAS WILL BE CONSIDERED DUE TO SUB-CONTRACTOR NOT RELATING SCOPE OF WORK TO CONTRACT DOCUMENTS.
4. ALL WORK IS TO BE IN STRICT COMPLIANCE WITH ALL STATE LAWS AND CODES WHICH APPLY TO THIS USE AND TO GENERALLY ACCEPTED CONSTRUCTION TRADE PRACTICES.
5. THE ARCHITECT WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
6. SECTIONS AND DETAILS CONTAINED IN THE CONTRACT DOCUMENTS ARE TYPICAL. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPONENTS AND/OR CONSTRUCTION NOTED OR INDICATED IN OTHER SIMILAR AREAS OF THE PROJECT IF THEY CAN BE REASONABLY INFERRED TO BE A PART OF THE ASSEMBLY BASED ON OTHER SIMILAR SECTIONS AND DETAILS CONTAINED IN THE CONTRACT DOCUMENTS.
7. NOT ALL COMPONENTS IN EACH DETAIL MAY BE SPECIFICALLY CALLED OUT ON THAT PARTICULAR ARCHITECTURAL DETAIL. CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THESE ITEMS IF THEY CAN BE REASONABLY INFERRED TO BE A PART OF THE ASSEMBLY BASED ON OTHER SIMILAR DETAILS CONTAINED WITHIN THE CONTRACT DOCUMENTS.
8. DO NOT SCALE ANY DRAWINGS TO DETERMINE DIMENSIONS. RELY ONLY ON FIELD MEASUREMENT AND WRITTEN DIMENSIONS FOR NEW WORK.
9. ALL DIMENSIONS ARE FROM FACE OF STUD OR FACE OF MASONRY (UNO).
10. ALL DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO PROCEEDING WITH THE WORK OF THIS CONTRACT. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
11. "SCALE" INDICATED ON THE ELEVATIONS MAY NOT BE REPRESENTATIVE OF A SCALED DRAWING. THE CONTRACTOR SHALL MAKE FIELD MEASUREMENTS AS REQUIRED TO ASCERTAIN THE EXTENT AND QUANTITY OF WORK TO BE PERFORMED.
12. SUBCONTRACTORS SHALL INVESTIGATE ALL EXISTING CONDITIONS ASSOCIATED WITH THEIR SCOPE OF WORK AND VERIFY REQ'D QUANTITIES OF MATERIALS PRIOR TO PROVIDING A BID TO THE GENERAL CONTRACTOR. NO CHANGE ORDERS WILL BE GRANTED FOR ADDITIONAL WORK REQ'D WHICH IS EVIDENT FROM FIELD INVESTIGATION AND IS CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
13. SUBCONTRACTORS SHALL VERIFY REQ'D QUANTITIES OF MATERIALS WITH THE GENERAL CONTRACTOR PRIOR TO PURCHASING. NO CHANGE ORDERS WILL BE GRANTED FOR ADDITIONAL QUANTITIES OR DETAIL WORK REQ'D WHICH IS EVIDENT FROM FIELD CONDITIONS AND IS CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
14. ANY WORK INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER, ARCHITECT, OR CONSULTANTS.

CONTRACTOR RESPONSIBILITY

1. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND INSPECTIONS.
2. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND FEES REQUIRED, NOT NORMALLY COVERED BY THE BUILDING PERMIT.
3. THE CONTRACTOR SHALL FILE ALL NECESSARY CERTIFICATES OF INSURANCE, PAY ALL FEES, AND OBTAIN ANY AND ALL BONDS REQUIRED BY ANY AGENCY IN ORDER TO DO THE WORK HEREIN DESCRIBED.
4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BELOW GRADE AND RELATED SERVICE CONNECTIONS WITH THE RESPECTIVE UTILITY COMPANIES.
5. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL TRASH, DEBRIS AND CONSTRUCTION MATERIALS DUE TO CONSTRUCTION OR DEMOLITION PRIOR TO COMPLETION OF THE WORK. THE CONTRACTOR SHALL LEAVE THE SITE IN A CONDITION EQUAL TO OR BETTER THAN IT WAS BEFORE COMMENCEMENT OF WORK ON THIS CONTRACT. THE CONTRACTOR SHALL ALSO ENSURE THAT TRASH AND DEBRIS ARE NOT BLOWN OR SPREAD ON OR OFF SITE DURING PERFORMANCE OF THE WORK.
6. THE CONTRACTOR SHALL RESTRICT ACCESS TO THE ROOF TO ONLY THOSE FORCES NEEDING ACCESS TO THE ROOF IN ORDER TO COMPLETE THEIR WORK. FINISHED ROOF SURFACES ARE TO BE PROTECTED AT ALL TIMES.
7. THE CONTRACTOR SHALL LIMIT HIS WORK AND FORCES UNDER HIS CONTROL TO ONLY THOSE AREAS OF WORK AS DEFINED BY THE CONTRACT DOCUMENTS.
8. THE CONTRACTOR SHALL PROVIDE CRAFTSMAN-LIKE INSTALLATION AND FINISH OF ALL EXPOSED CONSTRUCTION SYSTEMS.
9. PAINT ALL EXPOSED SCHEDULED PIPING, CONDUIT AND MECHANICAL EQUIPMENT IN AREAS NOTED TO BE PAINTED.
10. THE CONTRACTOR SHALL REPAIR AT HIS EXPENSE DAMAGE TO ANY FINISHES TO REMAIN WHICH ARE INCURRED DURING WORK ON THIS CONTRACT.
11. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF THE WORK. ALL OPENINGS IN ANY WALL OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER.

FIRE RATED CONSTRUCTION

1. ALL DUCT PENETRATIONS THROUGH PARTITIONS AND CEILINGS SHALL BE PROVIDED WITH NECESSARY FRAMES AND BRACING AROUND THE OPENING.
2. DUCT PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE PROVIDED WITH AUTOMATIC FIRE DAMPERS AS REQUIRED BY CURRENT FIRE CODE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
3. THE CONTRACTOR SHALL PROVIDE A COMPLETE FIRE SAFE BARRIER SEALING ALL AIR SPACES AND OPENINGS IN FIRE PROTECTED WALLS.
4. ALL FIRE AND/OR SMOKE BARRIERS OR WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE A DECORATIVE CEILING AND/OR IN CONCEALED SPACES WITH LETTERS A MINIMUM OF (2) INCHES HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF (12) FEET ON CENTER WITH A MINIMUM OF (1) PER WALL OR BARRIER IN ACCORDANCE WITH MODIFICATIONS OF THE 2006 STANDARD FIRE PREVENTION CODE, 120-3-3, CHAPTER 5 OF THE RULES AND REGULATIONS OF THE FIRE SAFETY COMMISSIONER. THE HOURLY RATING SHALL BE INCLUDED ON ALL RATED BARRIERS OR WALLS IN FORMAT: "-- HOUR FIRE AND SMOKE BARRIER. PROTECT ALL OPENINGS."
5. ALL PENETRATIONS THROUGH FIRE RATED SYSTEMS (WALLS, FLOORS, CEILINGS, ETC.) SHALL BE SEALED WITH 3M BRAND FIRE BARRIER CAULK CP25N/S NO-SAG OR CP25S/L SELF-LEVELING OR EQUAL. DEPTH OF CAULK SHALL BE AS REQUIRED TO ACHIEVE THE REQUIRED FIRE RATING FOR THAT SYSTEM. PROVIDE BACKER ROD AS NECESSARY FOR BACK UP MATERIAL. NOTE BOTH SIDES OF RATED SYSTEMS SHALL BE CAULKED.
6. FIRESTOPPING REQUIREMENT: PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF TEST STANDARD SPECIFICS FOR FIRESTOPS, ASTM E814.

NEW CONSTRUCTION

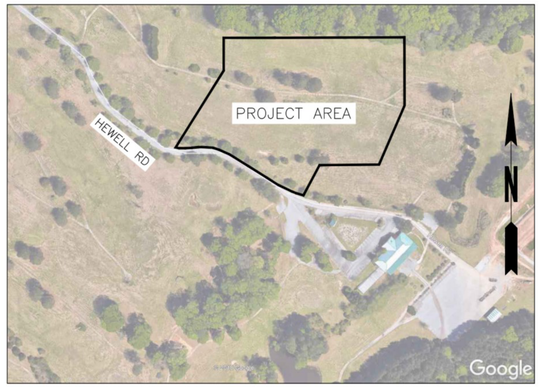
1. ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED WITH AN APPROVED PRESERVATIVE.
2. ALL INSULATIONS NOTED ON PLANS SHALL BE NONCOMBUSTIBLE AND MAINTAIN THERMAL AND MOISTURE PROTECTION AS NOTED IN THE SPECIFICATIONS.
3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS (INCLUDING, BUT NOT LIMITED TO: STRUCTURAL MEMBERS, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEM, LIGHT FIXTURES, CEILING SYSTEMS, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED IN THE DRAWINGS AND THE FINISH SCHEDULE. (CEILING HEIGHT DIMENSIONS ARE TO THE FINISH SURFACE OF CEILING.) CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
4. ACCESS PANELS SHALL BE PROVIDED AND INSTALLED WHEREVER REQUIRED BY BUILDING CODE OR FOR THE PROPER OPERATION OR MAINTENANCE OF MECHANICAL OR ELECTRICAL EQUIPMENT, WHETHER OR NOT INDICATED ON THE DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE, LOCATION, AND TYPE OF ACCESS PANEL WITH OTHER CONTRACTORS' WORK AND RECEIVE APPROVAL OF THE ARCHITECT. ACCESS PANEL SHALL BE AS SPECIFIED. NO ACCESS PANEL SHALL BE LOCATED, FRAMED OR INSTALLED WITHOUT THE EXPRESSED APPROVAL OF THE ARCHITECT.
5. ALL DUCT PENETRATIONS THROUGH PARTITIONS AND CEILINGS SHALL BE PROVIDED WITH NECESSARY FRAMES AND BRACING AROUND THE OPENING AND SHALL BE PROVIDED WITH AUTOMATIC FIRE DAMPERS AS REQUIRED BY THE BUILDING DEPARTMENT FOR FIRE-RATED PENETRATIONS.
6. HORIZONTAL JOINT REINFORCEMENT IS GENERALLY NOT SHOWN FOR REASONS OF CLARITY. TIES AND ANCHORS SPECIFICALLY NOTED ON DETAILS ARE IN ADDITION TO HORIZONTAL JOINT REINFORCEMENT UNLESS SPECIFICALLY NOTED OTHERWISE.
7. SIZE OF MECHANICAL AND ELECTRICAL EQUIPMENT PADS AND BASES ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY DIMENSIONS WITH RESPECTIVE EQUIPMENT MANUFACTURER.
8. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES, BLOCKING, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ACCESSORIES AND ALL FLOOR-MOUNTED OR SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.
9. ALL DISSIMILAR METALLIC MATERIALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT GALVANIC ACTION.
10. FILLED CMU CELLS ON ARCHITECTURAL DRAWINGS ARE IN ADDITION TO THOSE SHOWN ON STRUCTURAL DRAWINGS AND SHALL BE REINFORCED AS INDICATED THEREIN.

SITE WORK

1. SOD, LANDSCAPING, SIDEWALKS, CURBS OR ANY OTHER SITE APPURTENANCES DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTOR'S EXPENSE PRIOR TO COMPLETION OF THIS PROJECT.
2. WHERE CONC. WALKWAYS ABUT EXTERIOR MASONRY WALLS, CONTRACTOR SHALL ADJUST THE HEIGHT OF WEEPS AND BASE FLASHING AS NECESSARY TO PROVIDE CAVITY DRAINAGE ABOVE ADJACENT SURFACES, TYP.

VANCITY MAP

LOCATION MAP (NTS)



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GENERAL NOTES & LEGENDS

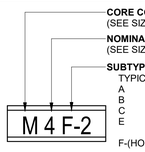
Sheet Number

T1.2

WALL TYPE GENERAL NOTES

1. WALL TYPES ARE GENERIC IN NATURE AND DO NOT SHOW EVERY POSSIBLE CONFIGURATION OR CONDITION. REFER TO PLANS, ELEVATIONS, SECTIONS, AND DETAILS FOR SPECIFIC DESIGN INFORMATION AND ELEMENTS WHICH MAY ALTER INFORMATION CONTAINED IN WALL TYPES.
2. FIRE AND SMOKE RATED PARTITIONS ARE INDICATED IN LIFE SAFETY PLANS.
3. REFER TO LIFE SAFETY PLANS FOR CONTINUITY OF RATED PARTITIONS.
4. WHERE NON-FIRE RATED PARTITIONS INTERSECT FIRE RATED PARTITIONS THE FIRE RATED PARTITION SHALL REMAIN INTACT AND CONTINUOUS.
5. REFER TO NOTED **UL** ASSEMBLY FOR ADDITIONAL CONSTRUCTION INFORMATION.
6. WALLS ABOVE OPENINGS (DOORS, WINDOWS, ETC) SHALL CONTINUE WITH THE SAME TYPE OF WALL CONSTRUCTION (RATING) AS SHOWN FOR WALLS ADJACENT TO OPENINGS.
7. EXTERIOR WALLS ARE DETAILED IN BUILDING AND WALL SECTIONS.
8. SEE STRUCTURAL PLANS FOR ADDITIONAL FRAMING INFORMATION AND REINFORCING.
9. SEE ARCHITECTURAL PLANS AND INTERIOR ELEVATIONS FOR AREAS OF WALL BLOCKING FOR MOUNTED CASEWORK AND EQUIPMENT.
10. COORDINATE SEALING OF PENETRATIONS AT RATED WALLS WITH MEP DRAWINGS AND SPECIFICATIONS.
11. REFER TO SPECIFICATIONS FOR GYPSUM SHEATHING TYPES AND FINISH LEVELS BY AREA USE.
12. ALL WALLS NOT TAGGED ON PLANS SHALL BE TYPE M4B.
13. ALL FIRE WALLS, SMOKE WALLS, AND WALLS REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS ARE TO BE PERMANENTLY STENCIL LABELED ACCORDING TO FIRE CODE REQUIREMENTS IN ACCESSIBLE CONCEALED FLOOR, CEILING OR ATTIC SPACES.
14. UL RATING SHALL BE STENCILED 12" ABOVE CEILING ON BOTH SIDES OF WALL IN 2" HIGH LETTERS AT ALL RATED CONDITIONS. REQUIRED AT 10'-0" ON CENTER.
15. REFER TO UL ASSEMBLY DESCRIPTION FOR ADDITIONAL CONSTRUCTION DETAILS AND INFORMATION.
16. STAGGER JOINTS AT ALL MULTI-LAYER GYPSUM ASSEMBLIES
17. PROVIDE MOISTURE, MOLD, AND MILDEW RESISTANT GYPSUM BOARD AT ALL WET AREAS.

WALL TAG LEGEND



CORE COMPOSITION (SEE SIZING CHART)

NOMINAL CORE SIZE (SEE SIZING CHART)

SUBTYPE

TYPICAL:

A	FURRING
B	NON RATED PARTITION
C	NON RATED FULL-HEIGHT
E	DOUBLE STUD FULL-HEIGHT

F-(HOURS) FIRE RATED (SEE DETAILS)

S-(HOURS) SMOKE RATED (SEE DETAILS)

SEE WALL TYPE DETAILS FOR WALL ASSEMBLIES USED IN THIS PROJECT AND ADDITIONAL INFORMATION.

WALL TYPE NOMINAL SIZING

# - NOMINAL CORE SIZE	CORE COMPOSITION: METAL STUD **M**	WOOD STUD **W**	CMU **U**	BRICK **B**	CONCRETE **C**
1	(HAT CHANNEL)	1x (FURRING STRIPS)	-	-	-
2	1 5/8"	2x2	-	-	-
3	2 1/2"	2x3	-	-	-
4	3 5/8"	2x4	4"	1 WYTHE	4"
6	6"	2x6	6"	-	6"
8	8"	2x8	8"	2 WYTHE	8"
10	10"	2x10	10"	-	10"
12	12"	2x12	12"	3 WYTHE	12"

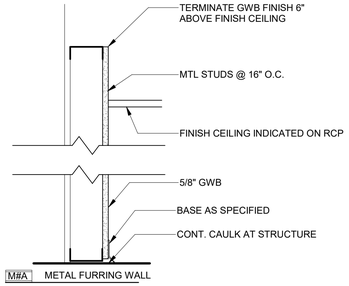
NOTE:
1. SEE WALL TYPES FOR DETAILED DESIGNATIONS.
2. SEE LIFE SAFETY PLAN FOR FIRE SEPARATIONS.

STUD PARTITION

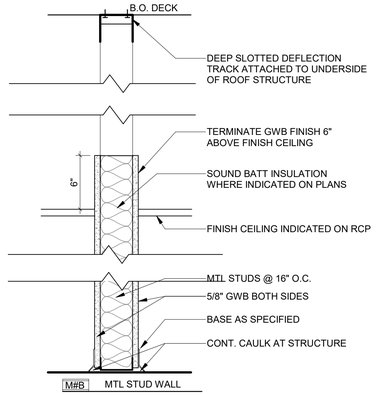
MASONRY PARTITION

SMOKE PARTITION

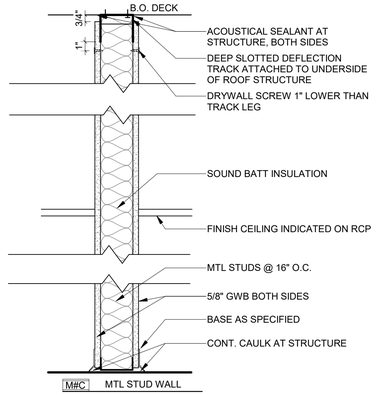
1 HR RATED PARTITION



M#A METAL FURRING WALL

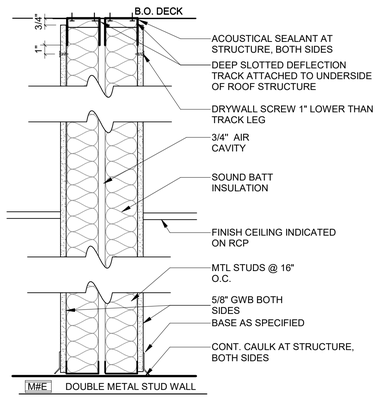


M#B MTL STUD WALL



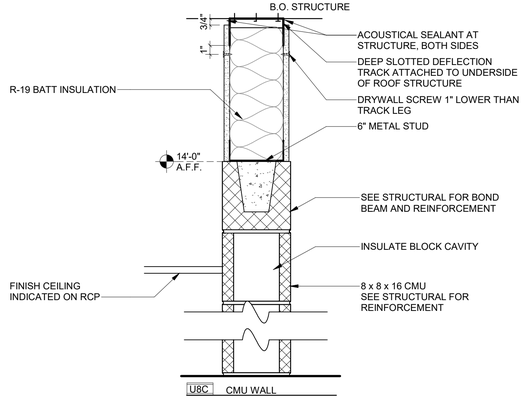
M#C MTL STUD WALL

- STC 56



M#E DOUBLE METAL STUD WALL

- STC 64



U8C CMU WALL

1 / T1.3 WALL TYPES

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

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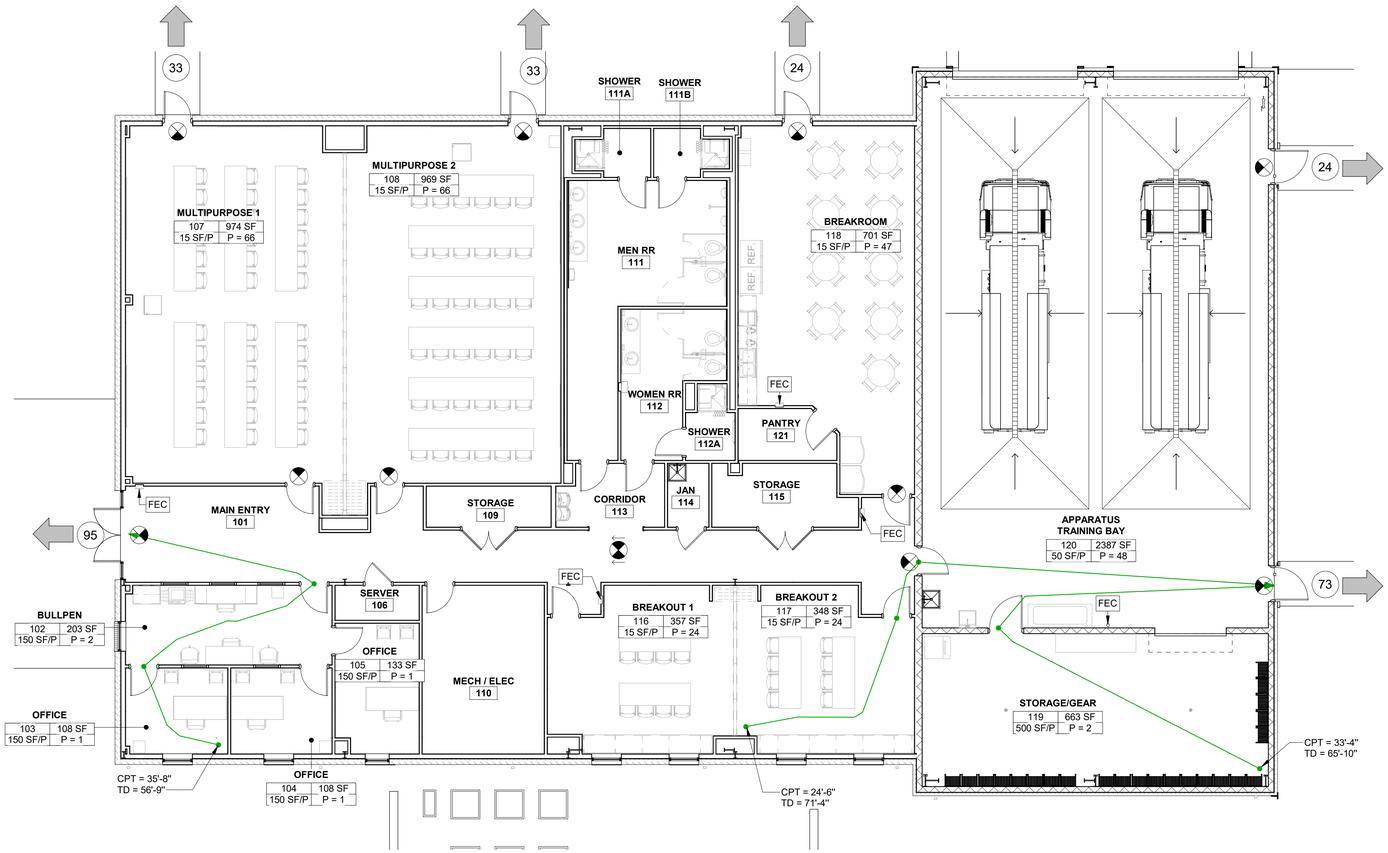
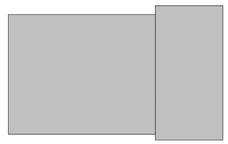


1 LS1.1 LIFE SAFETY PLAN

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



KEY PLAN

GENERAL CODE NOTES

1. ALL SPACES ARE BUSINESS OCCUPANCY WITH INCIDENTAL STORAGE AREA, U.N.O.
2. OCCUPANT LOAD OF ALL ASSEMBLY SPACES IS CALCULATED PER TABLE 1004.1.1 (IBC) AND TABLE 7.3.1.2 (NFPA 101)
3. ALL SPACES NOT PROVIDED WITH A SPATIAL USE TAG OR OCCUPANT LOAD ARE CONSIDERED INCIDENTAL USE AND/OR ARE NOT CONSIDERED NORMALLY OCCUPIED SPACES.
4. ALL EXIT AND EXIT ACCESS DOORS PROVIDE 34" OF CLEAR EXIT WIDTH IF SINGLE LEAF AND 68" IF DOUBLE LEAF UNLESS OTHERWISE NOTED. AS SUCH, EGRESS CAPACITIES ARE 170 AND 340 OCCUPANTS RESPECTIVELY PER TABLE.

LIFE SAFETY SYMBOLS LEGEND

Room name
101
150 SF
— UNOCCUPIED SPACE TAG

ROOM NAME
RM # | AREA
SF/P | P =
OCCUPANT LOAD RATIO
OCCUPANT LOAD
— OCCUPIED SPACE TAG

WAITING AREA
150 SF
P = 10
AREA NAME
NET AREA OCCUPANT LOAD (SUBSET OF ROOM TOTAL)
OCCUPANT LOAD

— EXIT PATH AND DIRECTION OF TRAVEL

— EXIT DISCHARGE

54 — NUMBER OF OCCUPANTS IN EXIT PATH

A — SPATIAL USE TAG

ILLUMINATED FACE
DIRECTIONAL ARROW
— EXIT LIGHT

P = xx — OCCUPANT LOAD

FEC-# — FIRE EXTINGUISHER CABINET (SEE SPECS FOR TYPE)

FE — BRACKET MOUNTED FIRE EXTINGUISHER

PATH OF TRAVEL ORIGINATION
90'-4" TD
75'-10" CPT
TRAVEL DISTANCE
COMMON PATH OF TRAVEL

CODES AND REGULATION DATA

ITEM	SUBJECT	NFPA	IBC
1	RENOVATION OR ALTERATION:	N/A	N/A
2	EQUIVALENCY CONCEPTS	NONE	NONE
3	OCCUPANCY CLASSIFICATION	MIXED OCCUPANCY: BUSINESS LOW HAZARD STORAGE	MIXED OCCUPANCY: GROUP B GROUP S-2
4	BUILDING AREA	9,750 SF (B=92,000 SF ALLOWED; S=104,000 SF ALLOWED)	
5	HIGH HAZARD AREA	NONE	NONE
6	NUMBER OF STORIES		1 STORY
7	HEIGHT OF BUILDING		26'-0" (60' ALLOWED FOR GROUP B, S)
8	OCCUPANT LOAD/MEANS OF EGRESS	282 OCCUPANTS - SEE LIFE SAFETY PLANS	
9	CONSTRUCTION TYPE	TYPE II(000) SPRINKLERED	TYPE IIB SPRINKLERED
10	NUMBER OF EXITS REQUIRED	2	2
11	DEAD END CORRIDORS	BUSINESS - 50'-0" STORAGE - 100'-0"	--
12	TRAVEL DISTANCE	BUSINESS - 300'-0"	--
13	COMMON PATH OF TRAVEL	BUSINESS - 100'-0"	--
14	FIRE RATING OF EXIT ACCESS CORRIDORS		X[a] 0hr[a]
15	APPLICABLE CODES WITH GEORGIA AMENDMENTS	INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL RESIDENTAL CODE 2018 EDITION FOR ONE-AND TWO FAMILY DWELLINGS INTERNATIONAL FIRE CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 NATIONAL ELECTRICAL CODE 2020 INTERNATIONAL ENERGY CONSERVATION CODE 2015 ADA STANDARD 2010 LIFE SAFETY CODE NFPA 101-2018	

a. NO FIRE SEPARATION REQUIRED PER IBC TABLE 1020.2

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number: 21-772
Date 11/03/2023
Drawn By: JR
Checked By: SD
Revisions:

No.	Date	Description

Sheet Description
LIFE SAFETY PLAN

Sheet Number
LS1.1

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GENERAL SITE NOTES

A. ARCHITECTURAL SITE PLAN IS A SCHEMATIC REPRESENTATION. REFER TO CIVIL DRAWINGS FOR SITE SURVEY, DRAINAGE, AND LOCATIONS OF EXISTING UTILITIES. COORDINATE WITH CAMPUS FACILITIES PLAN.

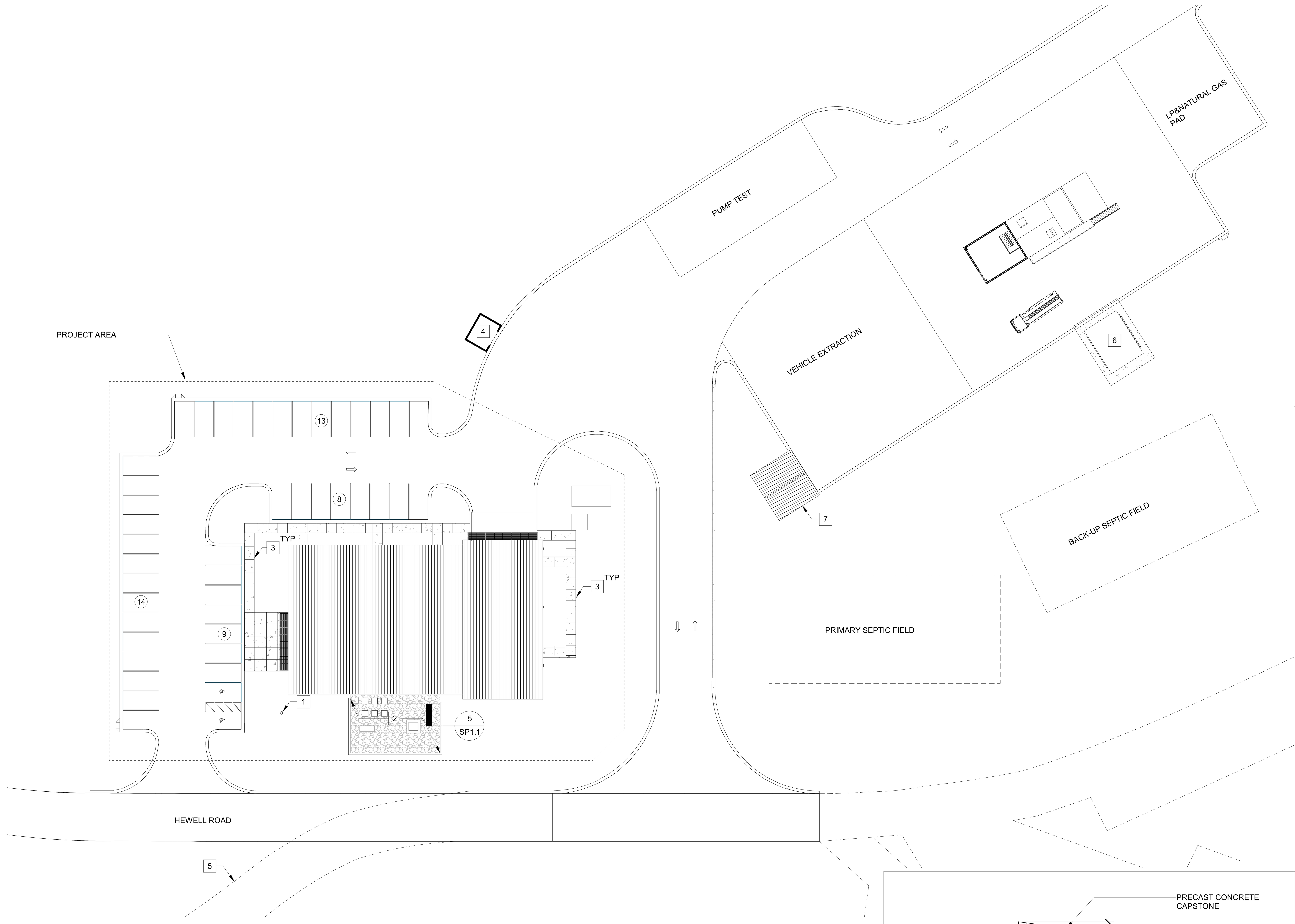
B. COORDINATE ALL NEW WORK WITH CIVIL AND LANDSCAPE PLANS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING WORK.

C. CONTRACTOR TO COORDINATE WITH OWNER FOR LOCATIONS OF TEMPORARY CONSTRUCTION AND STAGING.

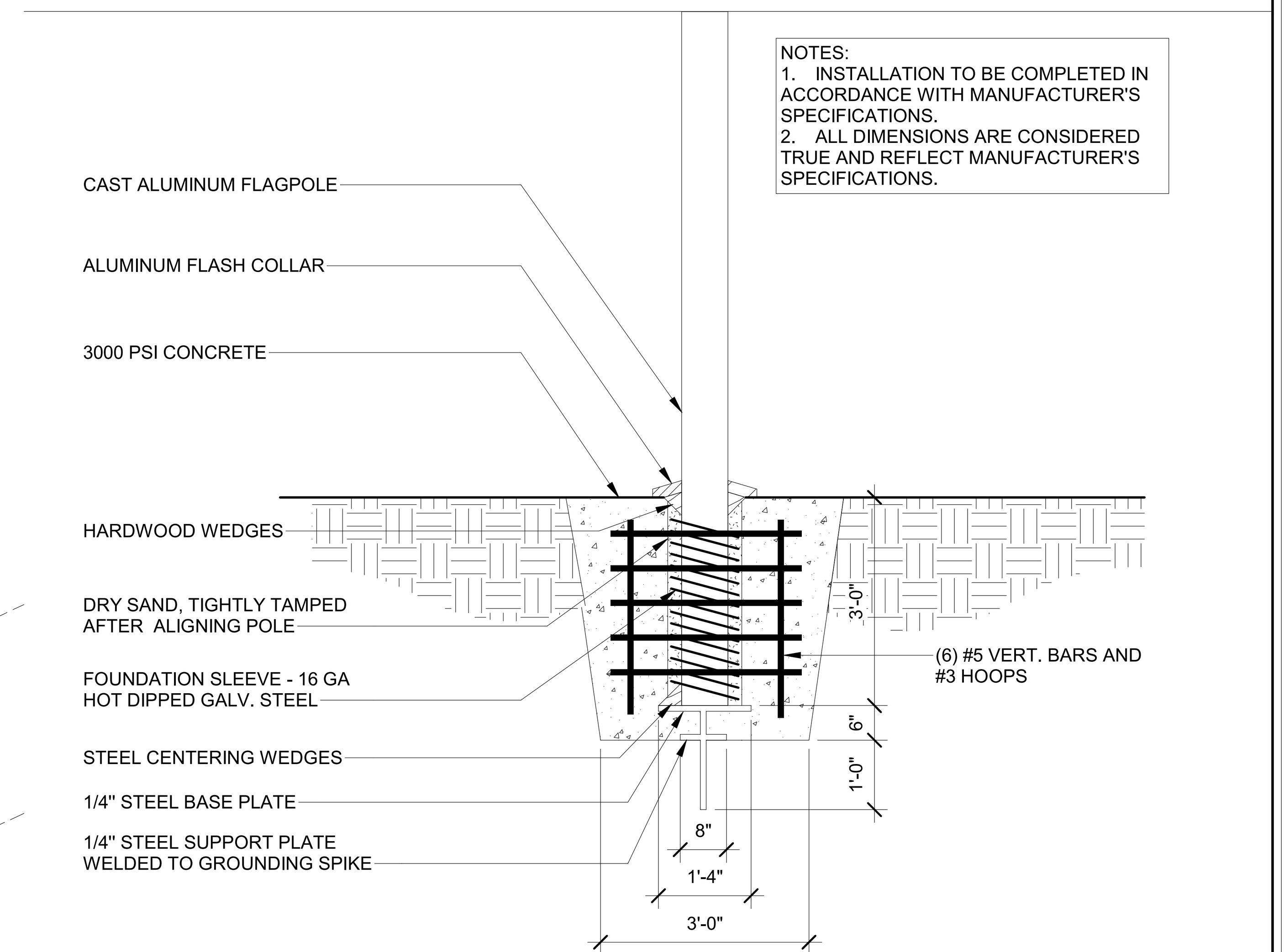
D. ALL ACTIVE EXISTING MANHOLES, DRAIN COVERS, AND ACCESS PANELS TO REMAIN UNLESS NOTED OTHERWISE.

KEYED SITE NOTES

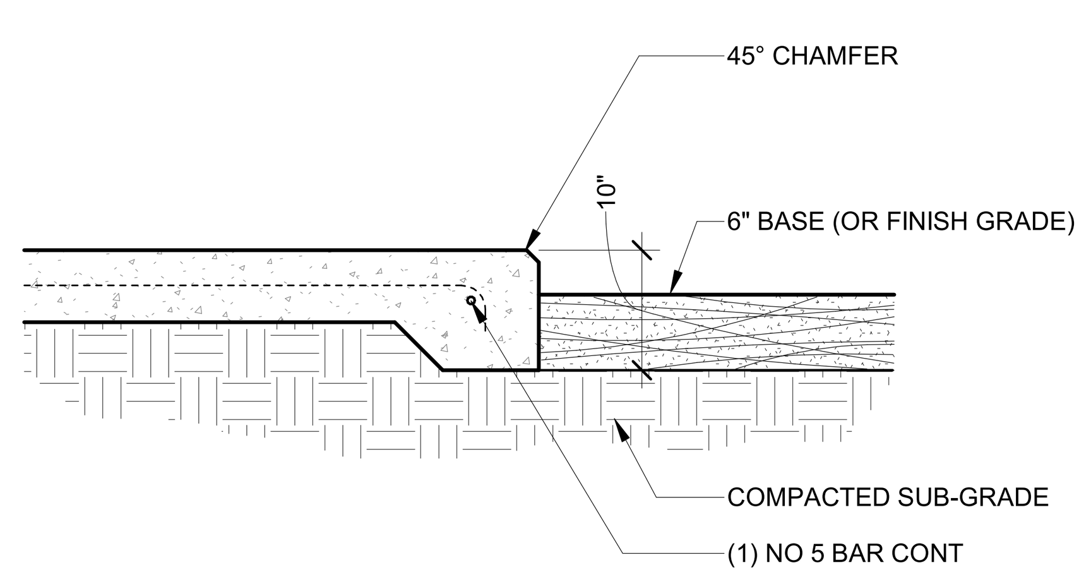
1	FLAGPOLE.
2	MECHANICAL YARD. AREA WITHIN SCREEN WALL TO BE GRAVEL. COORDINATE EQUIPMENT PAD SIZES WITH MFR.
3	SIDEWALK, COORDINATE WITH CIVIL DRAWINGS. PROVIDE STANDART JOINTS.
4	DUMPSTER (BY OTHERS).
5	RELOCATED ACCESS ROAD (BY OTHERS).
6	PAVILION.
7	BATHROOM BUILDING.



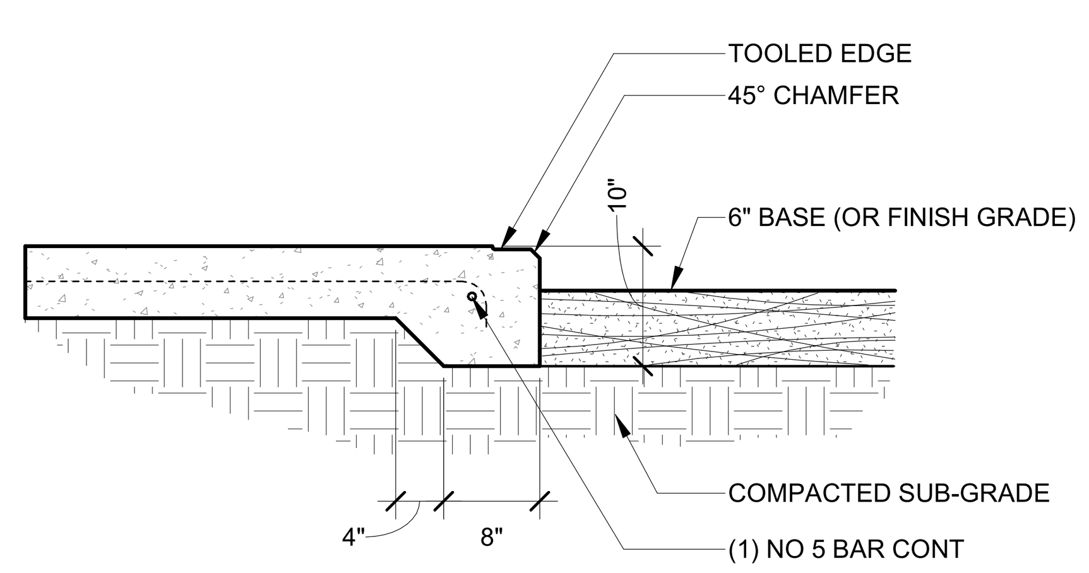
1 SP1.1 SITE PLAN
SCALE: 1" = 30'-0"



2 SP1.1 FLAGPOLE DETAIL
SCALE: 1/2" = 1'-0"



3 SP1.1 THICKENED CHAMFERED EDGE DETAIL
SCALE: 3/4" = 1'-0"



4 SP1.1 THICKENED TOOLED EDGE DETAIL
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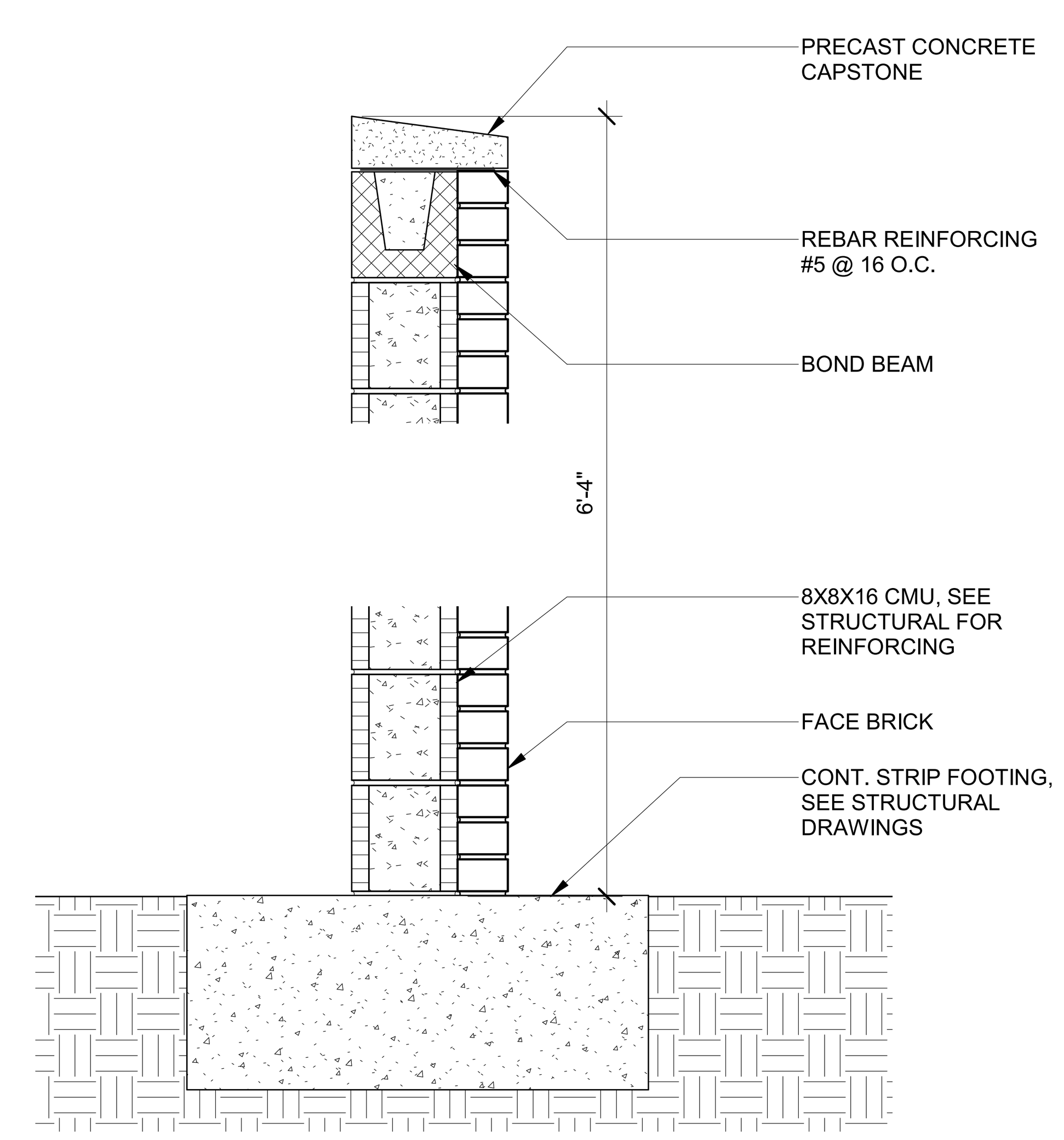
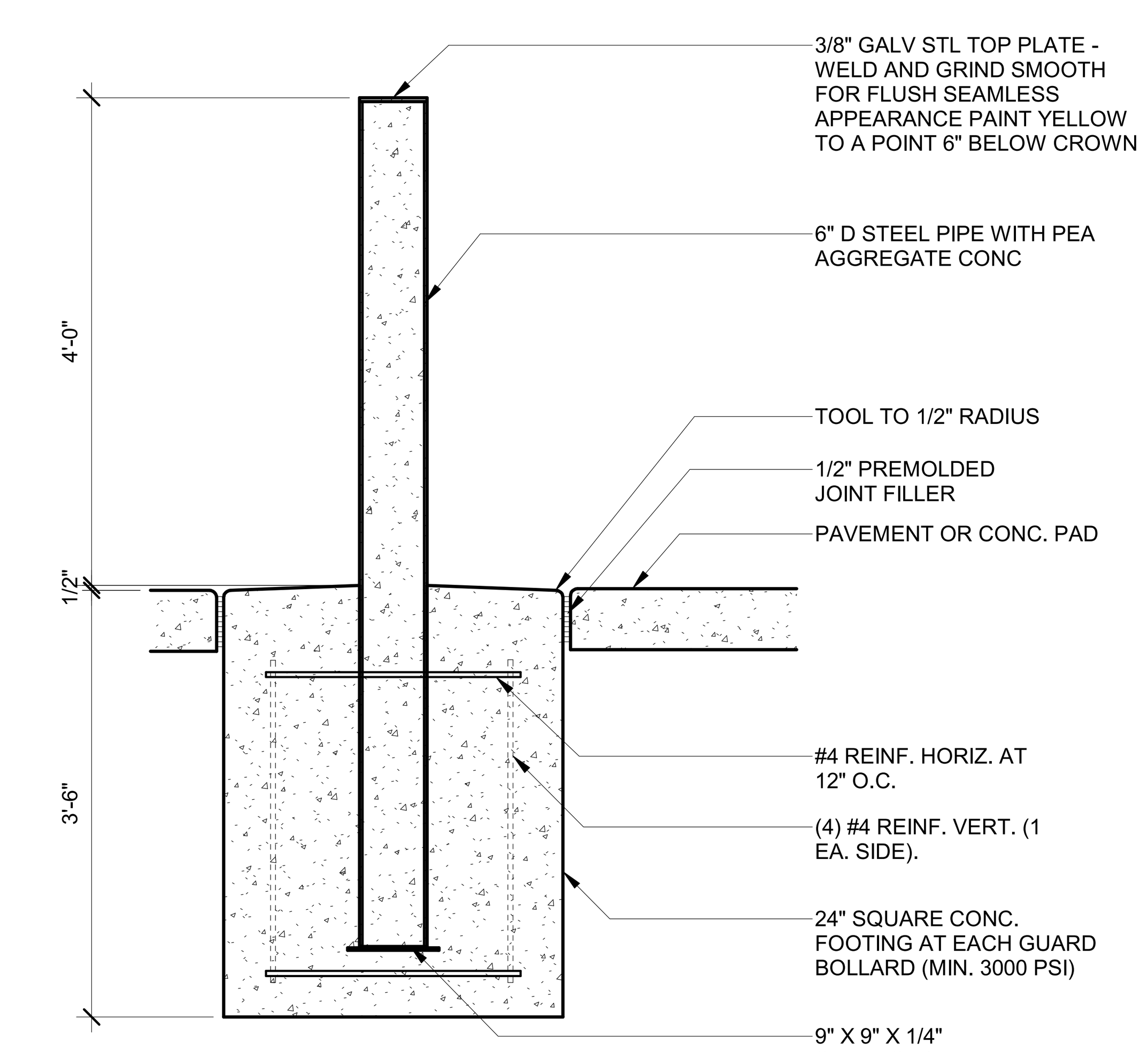


5 SP1.1 SECTION @ MECH. SCREEN
SCALE: 1" = 1'-0"



6 SP1.1 CONCRETE GUARD BOLLARD DETAIL
SCALE: 3/4" = 1'-0"

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FAYETTE COUNTY FIRE TRAINING BUILDING

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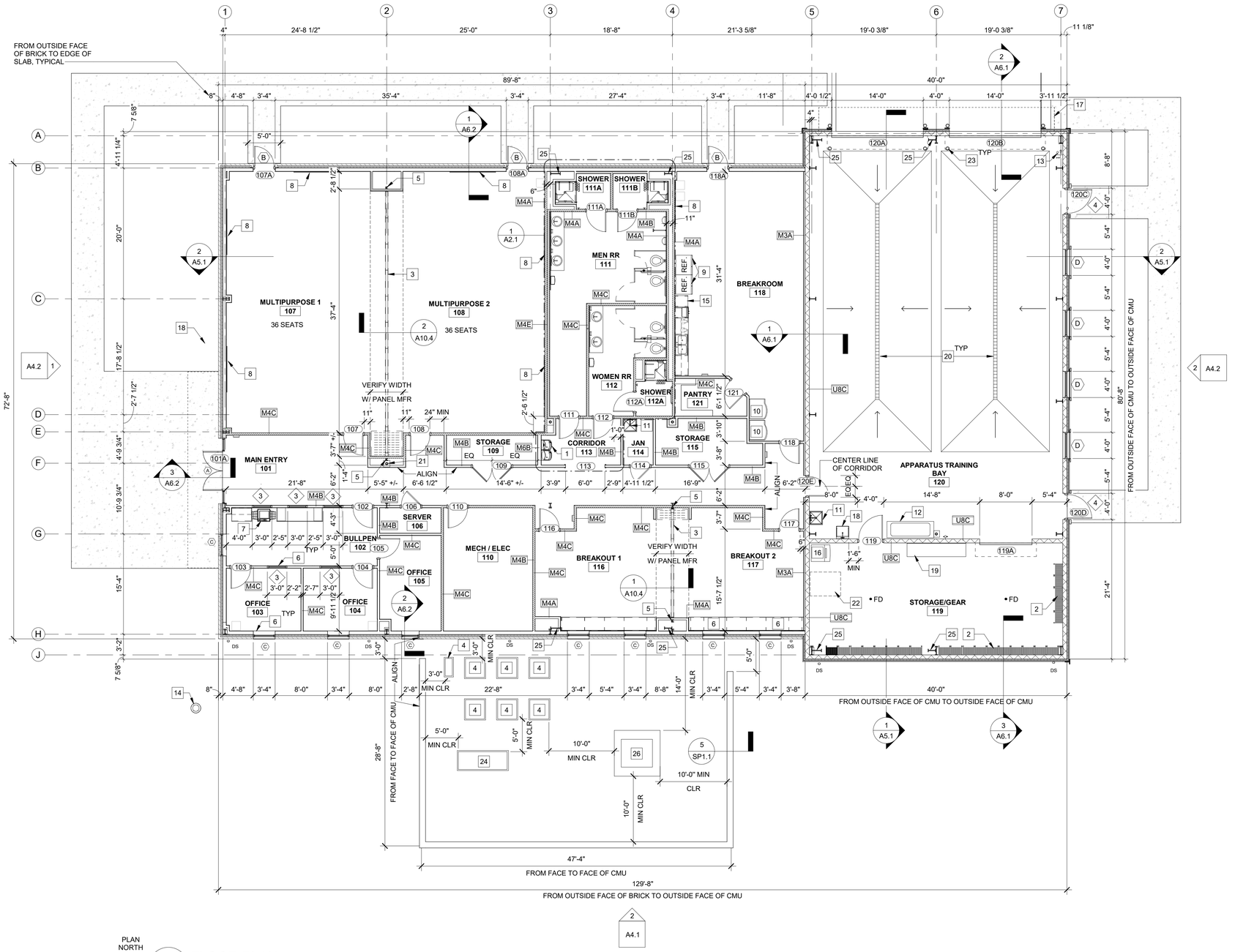
Sheet Description

ARCHITECTURAL SITE PLAN

Sheet Number

SP1.1



PLAN NORTH

1 / A1.1 FLOOR PLAN

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

GENERAL CONSTRUCTION NOTES

A. DIMENSIONS TO NEW CONSTRUCTION ARE MEASURED FROM FACE OF STUD OR FACE OF MASONRY, TYP (UNO). DIMENSIONS TO EXISTING ELEMENTS ARE MEASURED FROM FINISH FACE, TYP (UNO).

B. REFER TO FINISH PLAN FOR FREE STANDING FURNISHINGS. (NIC)

C. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL FRAMING INFORMATION.

D. REFER TO SHEET T1.3 FOR TYPICAL WALL TYPES.

E. REFER TO WALL SECTIONS FOR EXERIOR AND SPECIALTY WALL ASSEMBLIES.

F. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF FIRE AND SMOKE WALLS AND COMPARTMENTATION DESIGNATIONS AND FOR CONSTRUCTION INFORMATION RELATED TO SMOKE WALLS.

G. REFER TO DEMOLITION PLANS FOR ADDITIONAL FRAMING INFORMATION.

H. UNTAGGED INTERIOR WALLS ARE TYPE M4B, UNLESS NOTED OTHERWISE.

I. THE INSIDE EDGE OF DOOR FRAMES SHALL BE SET 6" CLEAR FROM THE FINISH FACE OF THE ADJACENT PERPENDICULAR PARTITION UNLESS OTHERWISE NOTED OR DIMENSIONED. DIMENSIONS LOCATING DOORS ARE SET TO THE INSIDE EDGE OF THE DOOR FRAME UNLESS OTHERWISE NOTED.

LEGEND

NOTE:
1. SEE WALL TYPES FOR DETAILED DESIGNATIONS.
2. SEE LIFE SAFETY PLAN FOR FIRE SEPARATIONS.

- STUD PARTITION
- MASONRY PARTITION
- SMOKE PARTITION
- 1 HR RATED PARTITION

KEYED CONSTRUCTION NOTES

1	ELECTRIC HI-LO ADA DRINKING FOUNTAIN WITH BOTTLE FILLER.
2	TURNOUT GEAR LOCKERS (TOTAL 25) 24"W x20"D x74 1/2"H,WALL MOUNTED, FULLY WELDED HEAVY DUTY FRAMES WITH TWO SHELVES AND THREE APPAREL HOOKS EACH, 20 GAUGE SHEET METAL NAME PLATE, POWDER COATED RED, WITH 11 GAUGE MOUNTING BRACKETS (PROVIDED BY OWNER).
3	FOLDING PARTITION (STC 54 OR HIGHER MIN.).COORDINATE STACKING WIDTH AND DEPTH WITH MNF.
4	OUTDOOR HEAT PUMP ON CONCRETE PAD, SEE MECHANICAL DRAWINGS. COORDINATE PAD SIZE WITH MFR.
5	SOLID BLOCKING REQUIRED TO WITHSTAND 250 LBS OF LATERAL FORCE.
6	BLACK OUT ROLLER SHADES AT ALL INTERIOR AND EXTERIOR WINDOWS.
7	PRINTER/COPIER - BY OWNER.
8	84" W X 48" H MARKER BOARD.
9	36" RESIDENTAL REFRIGERATOR / FREEZER (PROVIDED BY OWNER).
10	VENDING MACHINE (PROVIDED BY OWNER).
11	MOP BASIN WITH HOLDER ABOVE.
12	30"x 86" STAINLESS STEEL WORK TABLE WITH SHELF, (FURNISHED AND INSTALLED BY OWNER.)
13	FIRE RISER, COORD. WITH FIRE SPRINKLER DRAWINGS.
14	30' TALL FLAG POLE SIMILAR TO BAARTOL CO., INC. SEAMLESS, EXTRUDED TUBING, CONE-TAPERED ALUMINUM ALLOY 6063 FLAG POLE, WITH S.S. FINIAL BALL AND EXTERNAL HALYARD.
15	FREE STANDING ICE MACHINE SIMILAR TO AVANTCO ICE UC-120-A 1L CUBE ICE MACHINE - 129 LB (PROVIDED BY OWNER).
16	ICE MACHINE SUPPLIED BY OWNER - COORDINATE WITH ELECTRICAL AND PLUMBING DRAWINGS.
17	CANOPY.
18	SUPER SAVER UTILITY SINK.
19	HOSE RACK (PROVIDED BY OWNER).
20	TRENCH DRAIN SYSTEM.REFER TO PLUMBING PLAN.
21	METAL BUILDING FRAME. COORD. FINAL BASE PLATE SIZES WITH FINISH WALL LAYOUT.
22	SOFT-MOUNT GEAR WASHER-EXTRACTOR, CONTINENTAL EH040 (PROVIDED BY OWNER).
23	GUARD BOLLARD.
24	EMERGENCY GENERATOR, SEE MECHANICAL DRAWINGS. COORDINATE PAD SIZE AND CLEARANCES WITH MFR.
25	PORTAL FRAME, SEE STRUCTURAL DRAWINGS.
26	TRANSFORMER, SEE MECHANICAL DRAWINGS. COORDINATE PAD SIZE AND CLEARANCES WITH MFR.

KEY PLAN

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

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Sheet Description

FLOOR PLAN

Sheet Number

A1.1

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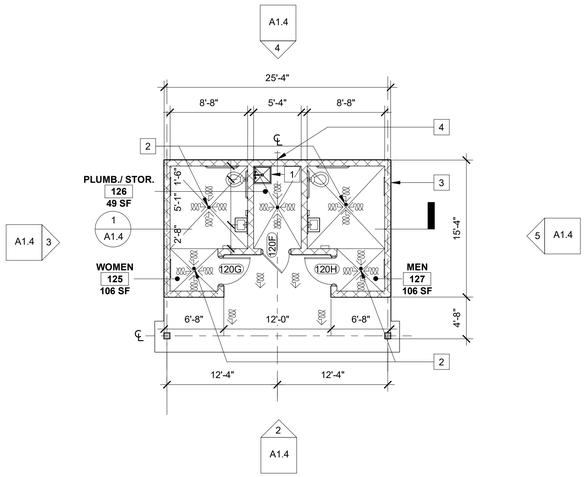


2 A1.3 RESTROOM PLAN
SCALE: 1/8" = 1'-0"

GENERAL CONSTRUCTION NOTES

A. DIMENSIONS TO NEW CONSTRUCTION ARE MEASURED FROM FACE OF STUD OR FACE OF MASONRY, TYP (UNO).

B. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL FRAMING INFORMATION.

C. REFER TO WALL SECTIONS FOR EXTERIOR AND SPECIALITY WALL ASSEMBLIES.

D. COORDINATE EXTENT OF ALL APRON CONCRETE WITH CIVIL.

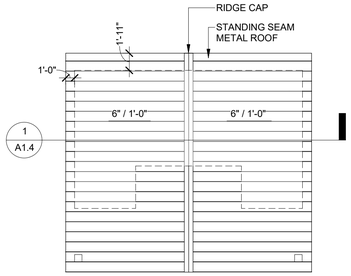
KEYED RESTROOM CONSTRUCTION NOTES

1 MOP SINK

2 FLOOR DRAIN

3 CEMENT BOARD

4 FREEZE PROOF AND TAMPER RESISTANT HOSE BIB SECURED TO STRUCTURE.



1 A1.3 RESTROOM ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL ROOF NOTES

A. SEE MECHANICAL, PLUMBING, AND STRUCTURAL SHEETS FOR LOCATION OF AND COORDINATION OF RESPECTIVE WORK. NOTIFY ARCHITECT IN CASE OF A CONFLICT PRIOR TO BEGINNING WORK.

B. SEE PLUMBING/MECHANICAL DRAWINGS FOR NEW ROOF PENETRATION LOCATIONS AND SIZES.

C. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF INTAKE AND EXHAUST LOUVERS OR FANS.

D. ALL CONTINUOUS MTL CLEATS OR REVERSE MTL CLEATS SHALL BE A MIN (1) GAUGE HEAVIER THAN SPECIFIED THICKNESS OF MTL FLASHING.

E. ALL ROOFING AND SHEET MTL FLASHING WORK SHALL BE DONE IN ACCORDANCE WITH ALL CURRENT PRACTICES OF SMACNA AND NRCA.

ROOF LEGEND (NOT ALL SYMBOLS USED ON THIS SHEET)

VTR	VTR (REFER TO PLUMBING)
EF	EXHAUST FAN (REFER TO MECHANICAL)
DS	DOWNSPOUT
? / 1'-0"	SLOPE

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FAYETTE COUNTY FIRE TRAINING BUILDING

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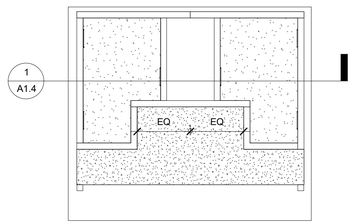
Sheet Description
RESTROOM PLANS

Sheet Number
A1.2



3 A1.3 RESTROOM RCP PLAN
SCALE: 1/8" = 1'-0"

GENERAL CONSTRUCTION NOTES

A. ALL ABOVE-CEILING AND EXPOSED SYSTEMS INSTALLATION BY SUBS TO BE COORDINATED WITH OTHER TRADES PRIOR TO BEGINNING WORK.

B. ENGINEERING DRAWINGS TAKE PRECEDENCE FOR PARTICULAR FIXTURE TYPES. ARCHITECTURAL REFLECTED CEILING PLANS ARE FOR COORDINATION OF AESTHETIC ARRANGEMENTS.

C. ENGINEERING DRAWINGS TAKE PRECEDENCE FOR SIZES OF DUCTWORK. ARCHITECTURAL REFLECTED CEILING PLANS ARE FOR COORDINATION OF AESTHETIC ARRANGEMENTS.

D. CEILING HEIGHTS INDICATED ARE FROM TOP OF FINISH FLOOR TO UNDERSIDE OF FINISHED CEILING.

E. ALL EXPOSED CEILINGS TO BE PAINTED P-2, U.N.O.

F. EXPOSED PIPING, CONDUIT, ETC. NOT SHOWN FOR CLARITY. ALL EXPOSED UNFINISHED ELEMENTS SHALL BE PAINTED, UNO.

G. ALL EXPOSED ELECTRICAL CONDUIT TO BE PAINTED TO MATCH ADJACENT SURFACES.

H. REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION. REFER TO SPECS FOR GWB TYPE DESIGNATIONS.

FIXTURE LEGEND

6" RECESS CAN LIGHT - EXTERIOR

24" WALL MOUNTED UPLIGHT/DOWNLIGHT

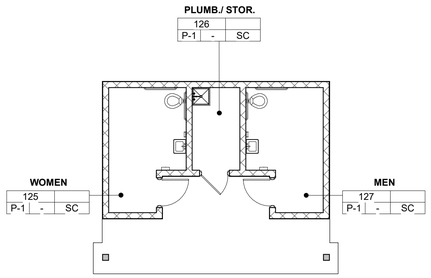
FINISH SYMBOLS LEGEND

CEILING HEIGHT — 10'-0" | A — REMARKS

5/8" MOISTURE RESISTANT GYP. BOARD CEILINGS - PAINTED

5/8" GYP. BOARD SHEATHING EXTERIOR SOFFIT - PAINTED

REMARKS



4 A1.3 RESTROOM FINISH PLAN
SCALE: 1/8" = 1'-0"

GENERAL FINISH NOTES

A. WHERE MULTIPLE FINISHES ARE INDICATED, REFER TO ELEVATIONS OR ENLARGED PLANS FOR CLARIFICAION.

B. ALL FINISHES AND MATERIALS SHALL BE AS INDICATED ON THE FINISH, OR APPROVED EQUAL.

C. ALL PAINTED INTERIOR WALLS SHALL RECEIVE THE MANUFACTURERS RECOMMENDED PRIMER COAT AND TWO (2) COATS OF EPOXY FINISH.

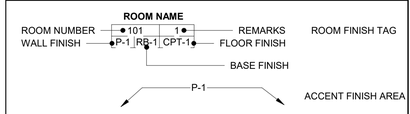
D. ALL PAINTED HOLLOW METAL DOOR FRAMES TO RECEIVE MANUFACTURES PRIMER COATS AND TWO (2) COATS OF PAINT, LATEX SEMI-GLOSS FINISH, MINIMUM. ALL HM DOORS AND FRAMES TO BE PAINTED P-3 U.N.O.

E. ALL PAINTED WOOD TRIM TO RECEIVE APROPRIATE PRIMER COATS AND TWO (2) COATS OF PAINT, LATEX SEMI-GLOSS FINISH, MINIMUM.

F. PREPARE THE FLOOR SLAB AS REQUIRED BY MANUFACTURER TO RECEIVE FLOOR FINISHES.

G. ALL CEILINGS TO BE PAINTED P-2 U.N.O.

FINISH SYMBOLS LEGEND



FINISH LEGEND

PAINT	
P-1	PASSIVE, SW7064
P-2	PURE WHITE, SW7005
P-3	GRIZZLE GRAY, SW7068
P-4	IRON ORE, SW7069
EPOXY FLOORING	
E-1	STONEHARD, STONGARD EPOXY, ASH
SEALED CONCRETE	
SC	SEALED CONCRETE
REMARKS	

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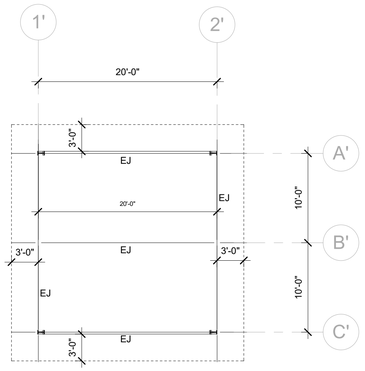
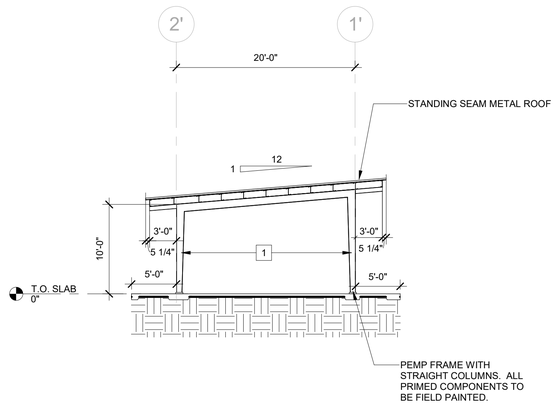


1 A1.2 PAVILION FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 A1.2 PAVILION ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL ROOF NOTES

A. SEE MECHANICAL, PLUMBING, AND STRUCTURAL SHEETS FOR LOCATION OF AND COORDINATION OF RESPECTIVE WORK. NOTIFY ARCHITECT IN CASE OF A CONFLICT PRIOR TO BEGINNING WORK.

B. ALL ROOFING AND SHEET MTL FLASHING WORK SHALL BE DONE IN ACCORDANCE WITH ALL CURRENT PRACTICES OF SMACNA AND NRCA.

KEYED ROOF NOTES ☐

1 PAINT ALL EXPOSED PRIMED STRUCTURAL MEMBERS AND CONDUIT TO MATCH ADJACENT BUILDINGS, P-3 GRIZZLE GRAY

ROOF LEGEND (NOT ALL SYMBOLS USED ON THIS SHEET)

VTR	VTR (REFER TO PLUMBING)
EF	EXHAUST FAN (REFER TO MECHANICAL)
DS	DOWNSPOUT
? / 1'-0"	SLOPE

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PAVILION PLANS AND ELEVATIONS

Sheet Number

A1.3

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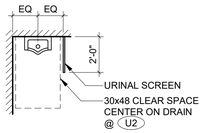
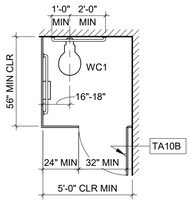
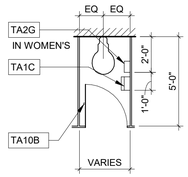
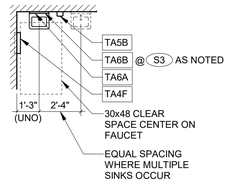
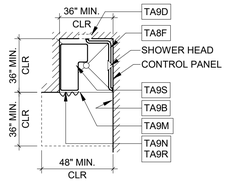










U1 **TYPICAL URINAL**

U2 **TYPICAL ACCESSIBLE URINAL**

STA2 **TYPICAL ACCESSIBLE TOILET STALL**

(SEE TYPICAL ADA TOILET PLAN FOR GRAB BARS AND ADDTL. ACCESSORIES)

ST1 **TYPICAL TOILET STALL**

S1 **TYPICAL WALL LAVATORY**

S2 **TYPICAL ACCESSIBLE WALL LAVATORY**

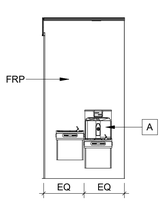
SH1 **TYPICAL ACCESSIBLE SHOWER**

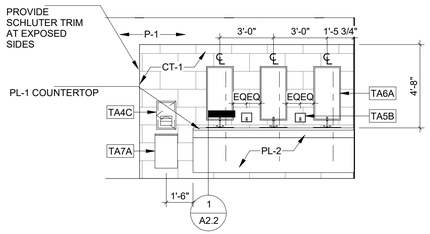
PROVIDE ADA SHOWER UNIT - BASIS OF DESIGN: FREEDOM SHOWERS MODEL APF38388F4P.5 AR APPROVED EQUAL

(PROVIDE BLOCKING ON ALL WALLS PER ACCESSORIES MFR)

7 A2.1 BATHROOM TOILET LAYOUTS

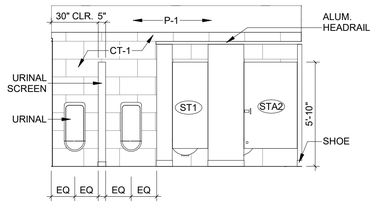
SCALE: 1/4" = 1'-0"

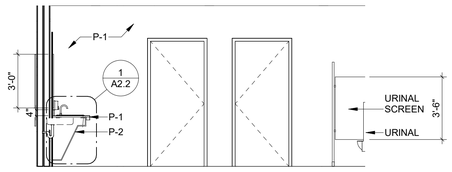




6 A2.1 MEN WEST

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



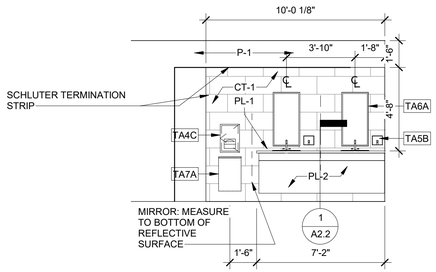


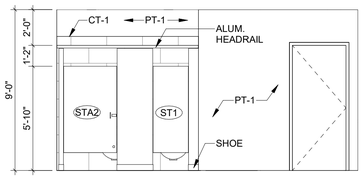
5 A2.1 MEN EAST

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

4 A2.1 MEN NORTH

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





3 A2.1 WOMEN WEST

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

2 A2.1 WOMEN EAST

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

1 A2.1 BATHROOM ENLARGED PLAN

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

GENERAL NOTES

1. **COORDINATE WALL FINISHES (TILE, ETC) WITH ALL WALL MOUNTED ACCESSORIES PRIOR TO FINISH INSTALLATION. WHERE ACCESSORIES ARE MOUNTED OVER A FINISH TRANSITION WITH A VARIATION IN THICKNESS, ADJUST ACCORDING TO THE FOLLOWING:**
   OPTION 1 - OMIT FINISH BEHIND ACCESSORY. INSTALL FINISH FLUSH TO EDGES OF ACCESORY AND PROVIDE WORKMANLIKE EDGES AND TRANSITIONS.
   OPTION 2 - PROVIDE PLYWOOD SHIM BEHIND ACCESSORY TO FLUSH WITH FINISH MATERIAL. SIZE TO BE 1/2" INSET ON ALL SIDES OF ACCESSORY AND PAINT TO MATCH WALL COLOR.
2. SHOULD ANY DISCREPANCY BE FOUND BETWEEN ITEMS NOTED IN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CONTRACTOR SHALL BRING ITEMS TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING, FABRICATING OR INSTALLING.
3. IF A CONFLICT BETWEEN ANY TOILET ACCESSORIES OCCURS, NOTIFY ARCHITECT FOR DIRECTION PRIOR TO INSTALLATION.
4. INSULATE ALL EXPOSED HOT WATER PIPING AT HANDICAP LOCATIONS.
5. MIRRORS SHALL BE CENTERED OVER SINKS, TYP. MIRROR INSTALL HEIGHT SHOULD BE MEASURED TO BOTTOM OF REFLECTIVE SURFACE.
6. PROVIDE DEAD WOOD BLOCKING BEHIND ALL WALL MOUNTED SHELF, ACCESSORIES, AND GRAB BAR CONNECTIONS.
7. ALL DOORS TO HANDICAP ACCESSIBLE TOILET STALLS OR ROOMS SHALL BE OUTWARD SWINGING AND SELF CLOSING, UNO.
8. ARRANGE ALL BATHROOM ACCESSORIES TO PROVIDE GOOD WORKING CLEARANCES FOR ACCESS TO LOCKS AND FULLY OPEN REFILL POSITIONS.
9. THE INSIDE EDGE OF DOOR FRAMES SHALL BE SET 6" CLEAR FROM THE FINISH FACE OF THE ADJACENT PERPENDICULAR PARTITION UNLESS OTHERWISE NOTED OR DIMENSIONED. DIMENSIONS LOCATING DOORS ARE SET TO THE INSIDE EDGE OF THE DOOR FRAME UNLESS OTHERWISE NOTED.

RE: TOILET ELEVATIONS

1. TYPICAL ELEVATIONS SHOW LOCATION AND MOUNTING HEIGHTS OF TOILET FIXTURES AND ACCESSORIES.
2. DIMENSIONS LOCATING TOILET ACCESSORIES, INCLUDING TOILET PARITIONS AND URINAL SCREENS, ARE TYPICAL, UNO.
3. WHERE SPECIFIED, TILE SHALL BE CENTERED ON WALL, UNO.

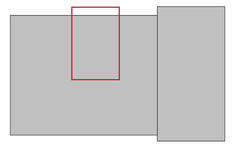
RE: TOILET PLANS

1. ENLARGED TOILET PLANS SHOW LOCATION OF TOILET FIXTURES, ACCESSORIES, AND NOTES. DETAILS INDICATE ACCESSORIES WHICH ARE TO BE PROVIDED AT EACH FIXTURE / STALL. SEE 1/8" FLOOR PLANS FOR ALL INFORMATION REGARDING WALL TYPES, CONSTRUCTION NOTES AND ROOM FINISHES. DIMENSIONS LOCATING TOILET ACCESSORIES AND SCREENS ARE TYPICAL, UNO.
2. SET ALL FLOOR DRAINS IN NEW SLABS AT -0'-1" AND SLOPE FLOOR TO DRAIN. COORD WITH STRUCTURAL AND PLUMBING.
3. **ALL DIMENSIONS SHOWN ON THIS SHEET ARE TO FINISH FACE, UNO.**

TOILET ACCESSORY SCHEDULE

BOBRICK ITEMS REPRESENT BASIS OF DESIGN ONLY. VERIFY WITH OWNER ON ALL ITEMS TO BE PROVIDED AND COORDINATE WITH ANY ADDITIONAL OWNER FURNISHED ITEMS.

MARK	ITEM DESCRIPTION	HANDICAP ACCESSIBLE MOUNTING HEIGHTS
TA1C	SURFACE MTD. TOILET TISSUE DISPENSER (B-4288)	19" TO CENTER
TA2G	SINGLE SURFACE MOUNTED SANITARY NAPKIN RECEPTACLE (B-254)	28" TO TOP OF UNIT
TA4C	RECESSED PAPER TOWEL DISPENSER (B-359)	40" TO PAPER
TA5B	SURFACE MOUNTED SOAP DISPENSER (B-4112)	36" TO BOTTOM OF UNIT
TA6A	FIXED MIRROR - 18" x 36" (B-290)	40" TO BOTTOM OF UNIT
TA7A	WASTE RECEPTACLE (B-277)	OFFSET 7" FROM FLOOR
TA8A	36" GRAB BAR (B-6806)	33" TO CENTER
TA8B	42" GRAB BAR (B-6806)	33" TO CENTER
TA8F	CORNER GRAB BAR (B-6861)	33" TO CENTER
TA8N	18" GRAB BAR (B-6806)	39" TO CENTER
TA9B	SURFACE MOUNTED ROBE HOOK (B-76717)	55" AFF
TA9F	HEAVY DUTY STAINLESS STEEL TOWEL BAR (B-205)	
TA9M	SHOWER CURTAIN ROD (B-207)	
TA9N	ANTI-MICROBIAL VINYL SHOWER CURTAIN (204-2)	
TA9R	STAINLESS STEEL SHOWER CURTAIN HOOK (204-1)	
TA9S	FOLDING SHOWER SEAT (B-5181)	18 1/2" TO TOP OF SEAT
TA10B	COAT HOOK / WALL BUMPER (B-212)	55" AFF



KEY PLAN

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number: 21-772
Date 11/03/2023
Drawn By: OB/JJ/CMB
Checked By: SHA
Revisions:

No.	Date	Description

Sheet Description

ENLARGED BATHROOM PLAN, ELEVATIONS & NOTES

Sheet Number

A2.1

PRINTED: 11/2/2023 4:20:10 PM

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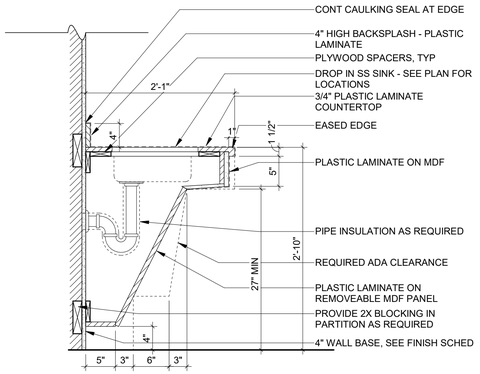
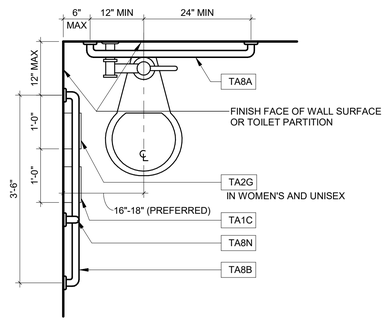


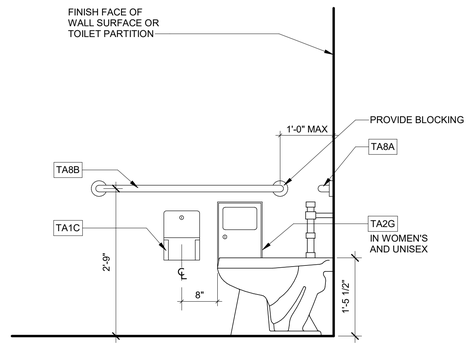
1 A2.2 ADA SINK BASE SECTION

SCALE: 1" = 1'-0"



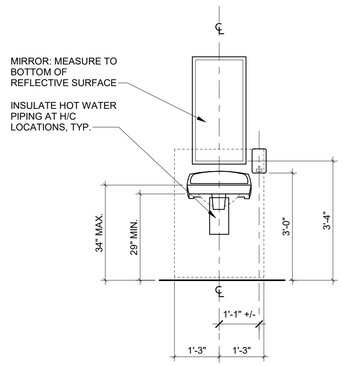
2 A2.2 TYPICAL ADA TOILET PLAN

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



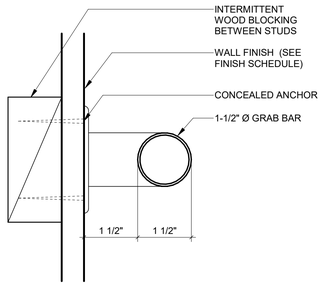
3 A2.2 ADA TOILET ELEVATION TYP.

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



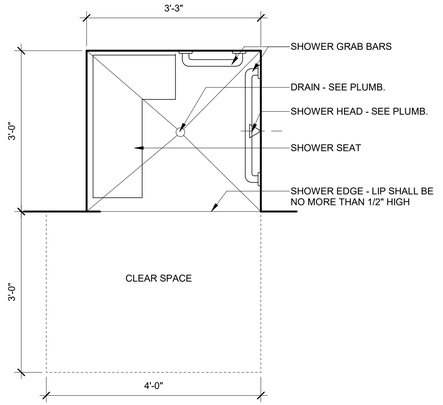
4 A2.2 TYPICAL LAVATORY ELEVATION

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



5 A2.2 GRAB BAR MOUNTING

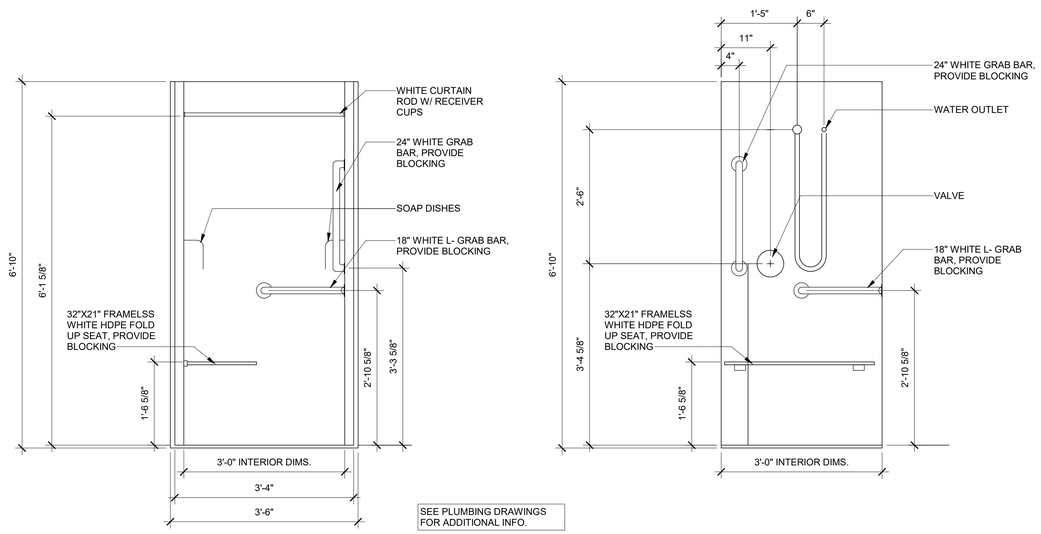
SCALE: 6" = 1'-0"



SH1

6 A2.2 SHOWER DETAIL

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



7 A2.2 SHOWER ELEVATIONS

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

GENERAL NOTES

1. **COORDINATE WALL FINISHES (TILE, ETC) WITH ALL WALL MOUNTED ACCESSORIES PRIOR TO FINISH INSTALLATION. WHERE ACCESSORIES ARE MOUNTED OVER A FINISH TRANSITION WITH A VARIATION IN THICKNESS, ADJUST ACCORDING TO THE FOLLOWING:**
   OPTION 1 - OMIT FINISH BEHIND ACCESSORY. INSTALL FINISH FLUSH TO EDGES OF ACCESORY AND PROVIDE WORKMANLIKE EDGES AND TRANSITIONS.
   OPTION 2 - PROVIDE PLYWOOD SHIM BEHIND ACCESSORY TO FLUSH WITH FINISH MATERIAL. SIZE TO BE 1/2" INSET ON ALL SIDES OF ACCESSORY AND PAINT TO MATCH WALL COLOR.
2. **VERIFY ALL TOILET ACCESSORIES WITH OWNER PRIOR TO ORDER AND INSTALLATION. ITEMS MAY NEED TO BE COORDINATED WITH CAMPUS OR CUSTODIAL SERVICE STANDARDS THAT ARE CURRENT AT THE DATE OF INSTALL.**
3. SHOULD ANY DISCREPANCY BE FOUND BETWEEN ITEMS NOTED IN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CONTRACTOR SHALL BRING ITEMS TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING, FABRICATING OR INSTALLING.
4. IF A CONFLICT BETWEEN ANY TOILET ACCESSORIES OCCURS, NOTIFY ARCHITECT FOR DIRECTION PRIOR TO INSTALLATION.
5. INSULATE ALL EXPOSED HOT WATER PIPING AT HANDICAP LOCATIONS.
6. MIRRORS SHALL BE CENTERED OVER SINKS, TYP.
7. PROVIDE DEAD WOOD BLOCKING BEHIND ALL WALL MOUNTED SHELF LOCATIONS, ACCESSORIES, AND GRAB BAR CONNECTIONS.
8. ALL DOORS TO HANDICAP ACCESSIBLE TOILET STALLS OR ROOMS SHALL BE OUTWARD SWINGING AND SELF CLOSING, UNO.
9. ARRANGE ALL BATHROOM ACCESSORIES TO PROVIDE GOOD WORKING CLEARANCES FOR ACCESS TO LOCKS AND FULLY OPEN REFILL POSITIONS.
10. PROVIDE MOISTURE MOLD AND MILDEW RESISTANT GWB.

RE: TOILET ELEVATIONS	RE: TOILET PLANS
1. TYPICAL ELEVATIONS SHOW LOCATION AND MOUNTING HEIGHTS OF TOILET FIXTURES AND ACCESSORIES. 2. DIMENSIONS LOCATING TOILET ACCESSORIES, INCLUDING TOILET PARITIONS AND URINAL SCREENS, ARE TYPICAL, UNO. 3. WHERE SPECIFIED, TILE SHALL BE CENTERED ON WALL, UNO.	1. ENLARGED TOILET PLANS SHOW LOCATION OF TOILET FIXTURES, ACCESSORIES, AND NOTES. DETAILS INDICATE ACCESSORIES WHICH ARE TO BE PROVIDED AT EACH FIXTURE / STALL. SEE 1/8" FLOOR PLANS FOR ALL INFORMATION REGARDING WALL TYPES, CONSTRUCTION NOTES AND ROOM FINISHES. DIMENSIONS LOCATING TOILET ACCESSORIES AND SCREENS ARE TYPICAL, UNO. 2. SET ALL FLOOR DRAINS IN NEW SLABS AT -0'-1" AND SLOPE FLOOR TO DRAIN. COORD WITH STRUCTURAL AND PLUMBING. 3. **ALL DIMENSIONS SHOWN ON THIS SHEET ARE TO FINISH FACE, UNO.**

KEY NOTES

TOILET ACCESSORY SCHEDULE

ITEMS REPRESENT BASIS OF DESIGN ONLY. VERIFY WITH OWNER ON ALL ITEMS TO BE PROVIDED AND COORDINATE WITH ANY ADDITIONAL OWNER FURNISHED ITEMS.

MARK	ITEM DESCRIPTION	HANDICAP ACCESSIBLE MOUNTING HEIGHTS
TA1C	SURFACE MTD. TOILET TISSUE DISPENSER (B-4288)	19" TO CENTER
TA2E	RECESSED SANITARY NAPKIN DISPOSAL (B-353)	28" TO TOP OF UNIT
TA2G	SINGLE SURFACE MOUNTED SANITARY NAPKIN RECEPTACLE (B-254)	28" TO TOP OF UNIT
TA4C	RECESSED PAPER TOWEL DISPENSER (B-359)	40" TO PAPER
TA5B	SURFACE MOUNTED SOAP DISPENSER (B-4112)	36" TO BOTTOM OF UNIT
TA6A	FIXED MIRROR - 18" x 36" (B-290)	40" TO BOTTOM OF UNIT
TA8A	36" GRAB BAR (B-6806)	33" TO CENTER
TA8B	42" GRAB BAR (B-6806)	33" TO CENTER
TA8F	CORNER GRAB BAR (B-6861)	33" TO CENTER
TA9B	SURFACE MOUNTED ROB HOOK (B-76717)	55" AFF
TA9F	HEAVY DUTY STAINLESS STEEL TOWEL BAR (B-205)	
TA9M	SHOWER CURTAIN ROD	
TA9N	VINYL SHOWER CURTAIN (204-2)	
TA9R	STAINLESS STEEL SHOWER CURTAIN HOOK (204-1)	
TA9S	FOLDING SHOWER SEAT	18 1/2" TO TOP OF SEAT
TA10B	COAT HOOK / WALL BUMPER (B-212)	55" AFF

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

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Revisions:

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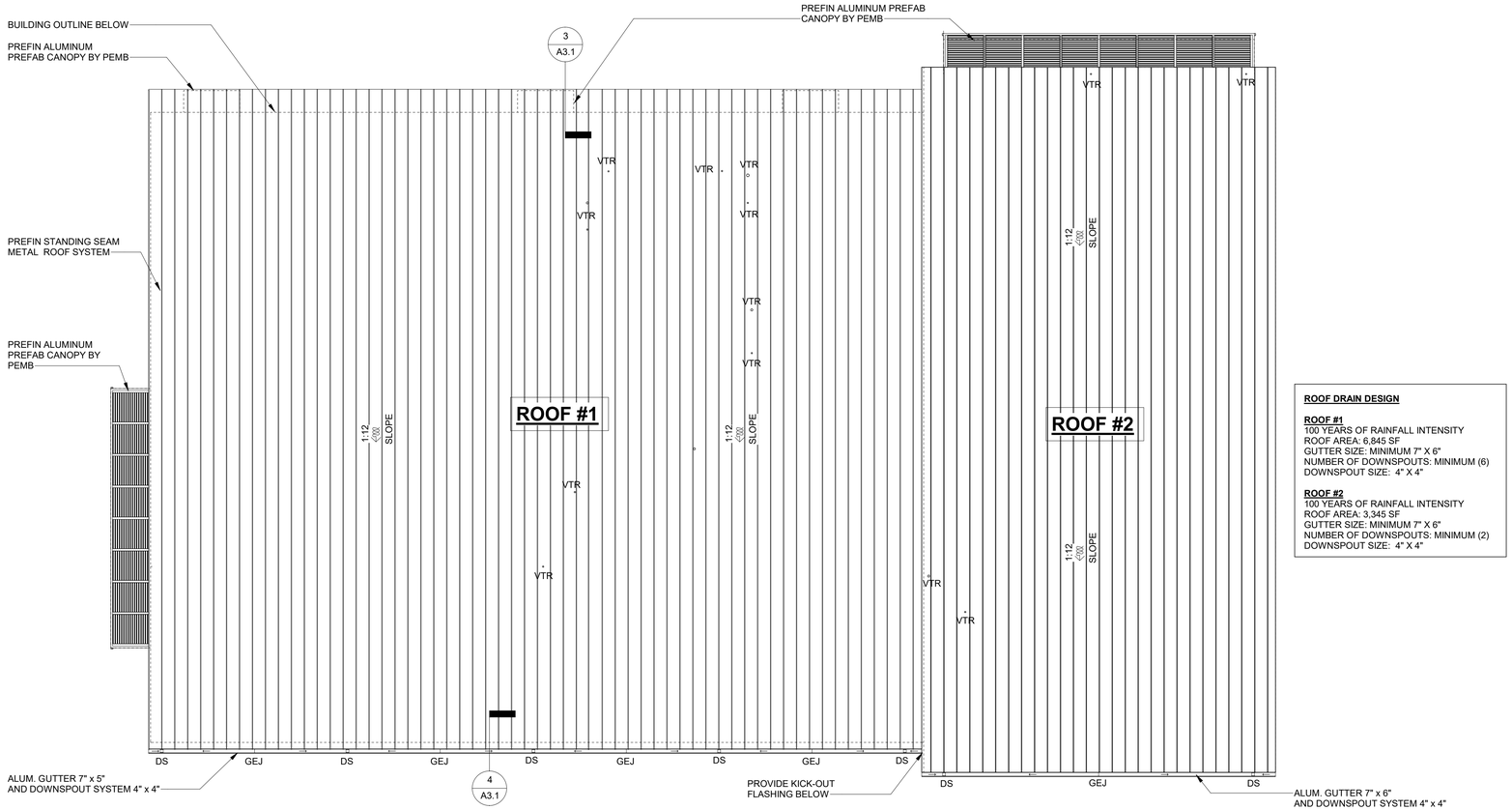
BATHROOM DETAILS & SCHEDULE

Sheet Number

A2.2



ROOF DRAIN DESIGN

ROOF #1
100 YEARS OF RAINFALL INTENSITY
ROOF AREA: 6,845 SF
GUTTER SIZE: MINIMUM 7" X 6"
NUMBER OF DOWNSPOUTS: MINIMUM (6)
DOWNSPOUT SIZE: 4" X 4"

ROOF #2
100 YEARS OF RAINFALL INTENSITY
ROOF AREA: 3,345 SF
GUTTER SIZE: MINIMUM 7" X 6"
NUMBER OF DOWNSPOUTS: MINIMUM (2)
DOWNSPOUT SIZE: 4" X 4"

PLAN NORTH

1 A3.1 ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL ROOF NOTES

A. SEE MECHANICAL, PLUMBING, AND STRUCTURAL SHEETS FOR LOCATION OF AND COORDINATION OF RESPECTIVE WORK. NOTIFY ARCHITECT IN CASE OF A CONFLICT PRIOR TO BEGINNING WORK.

B. SEE PLUMBING/MECHANICAL DRAWINGS FOR ROOF PENETRATION LOCATIONS AND SIZES.

C. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF INTAKE AND EXHAUST LOUVERS OR FANS.

D. ALL CONTINUOUS MTL CLEATS OR REVERSE MTL CLEATS SHALL BE A MIN (1) GAUGE HEAVIER THAN SPECIFIED THICKNESS OF MTL FLASHING.

E. ALL ROOFING AND SHEET MTL FLASHING WORK SHALL BE DONE IN ACCORDANCE WITH ALL CURRENT PRACTICES OF SMACNA AND NRCA.

F. PROVIDE CONTINUOUS LENGHTS FOR ALL ROOF PANELS.

G. WHENEVER PRACTICALLY POSSIBLE, ROOF TOP PENETRATIONS SHALL OCCUR BETWEEN STANDING SEAMS. STANDING SEAMS SHALL BE INTERRUPTED ONLY WHEN ABSOLUTELY NECESSARY. ALL INTERRUPTED SHALL BE PACKED TIGHT WITH SEALANT FOR WATER TIGHT PERFORMANCE.

H. PROVIDE GUTTERS AND DOWNSPOUTS WHERE INDICATED. ANCHOR DOWNSPOUTS TO BUILDING AT TOP, MIDDLE, AND BOTTOM OF DOWNSPOUT MAXIMUM 6'-0" OC.

ROOF LEGEND

	STANDING SEAM STEEL ROOF
VTR	VTR (REFER TO PLUMBING)
EF	EXHAUST FAN (REFER TO MECHANICAL)
DS	DOWNSPOUT
EJ	EXPANSION JOINT
0'-0"	ELEVATION OF RAISED ELEMENTS
12 / 3	SLOPE
4:12	SLOPE TO GUTTER

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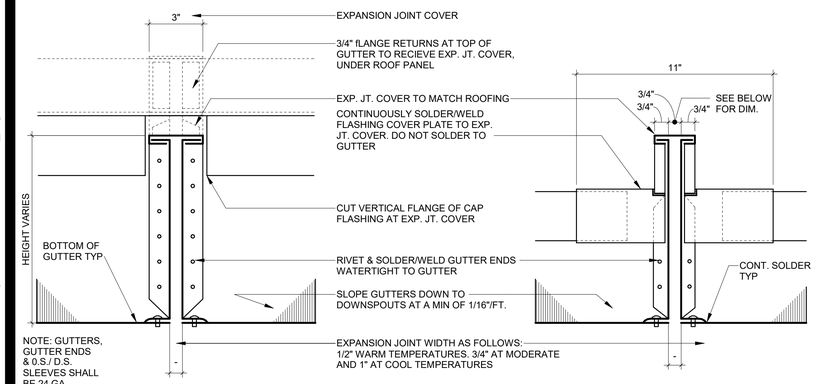
Sheet Description
ROOF PLAN AND DETAILS

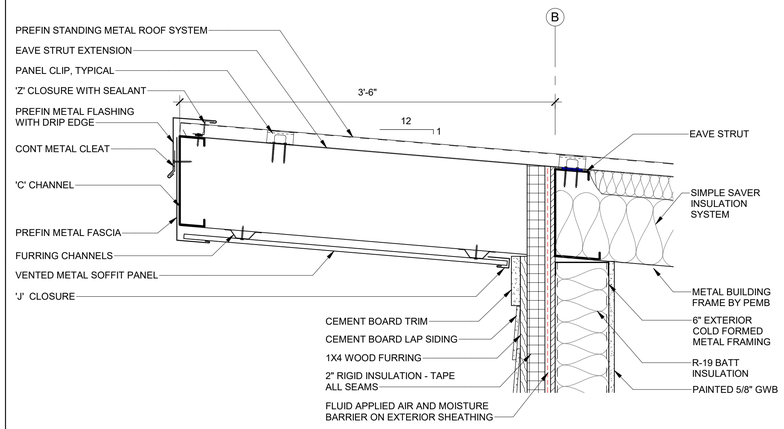
Sheet Number
A3.1



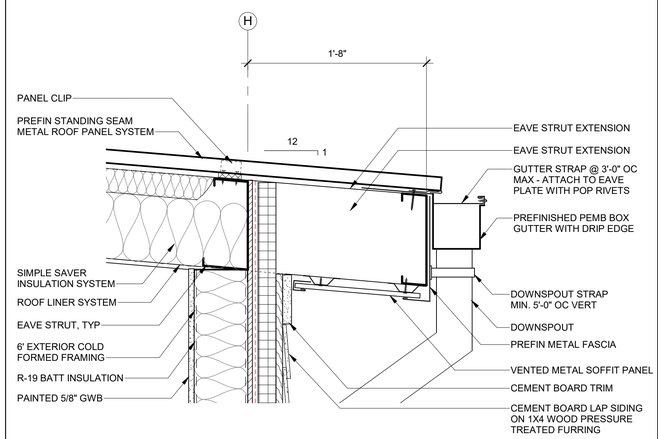
CROSS-SECTION VIEW TOWARDS ROOF

VIEW TOWARDS ROOF EDGE

2 A3.1 GUTTER EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"



3 A3.1 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



4 A3.1 ROOF DETAIL
SCALE: 1 1/2" = 1'-0"

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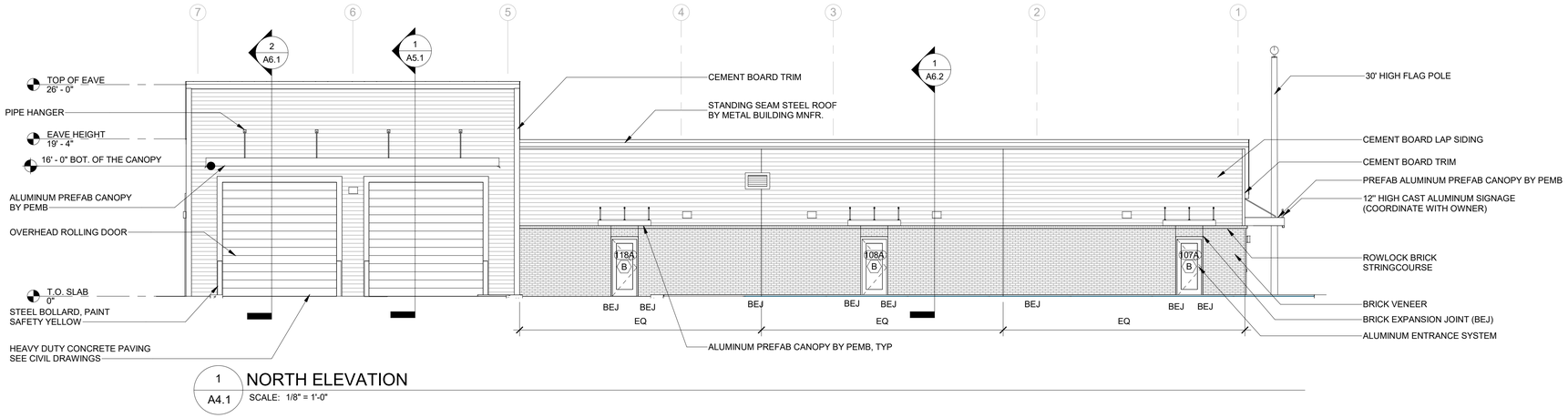
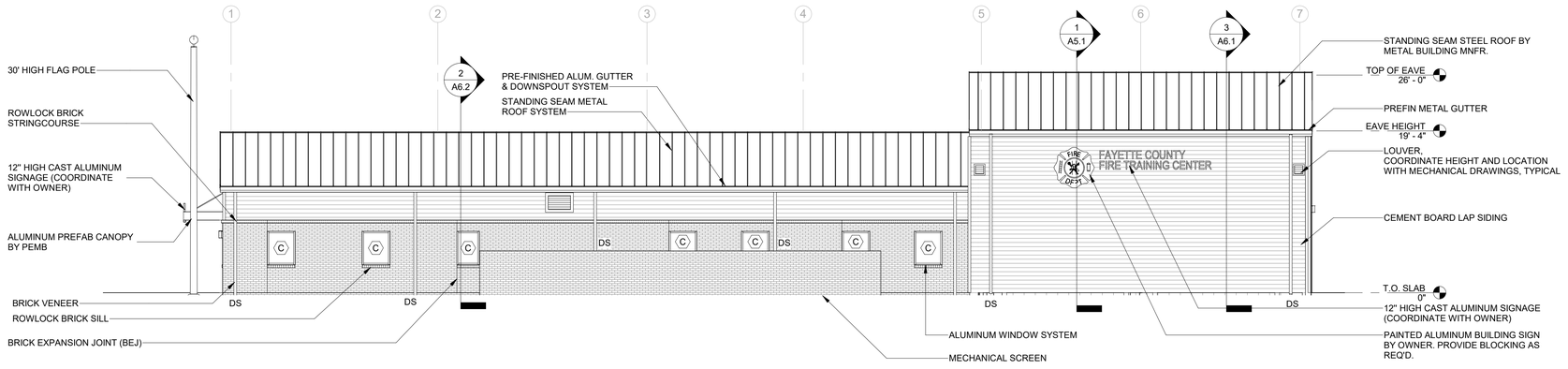


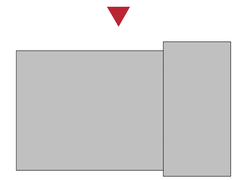
1 A4.1 NORTH ELEVATION

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



2 A4.1 SOUTH ELEVATION

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



KEY PLAN

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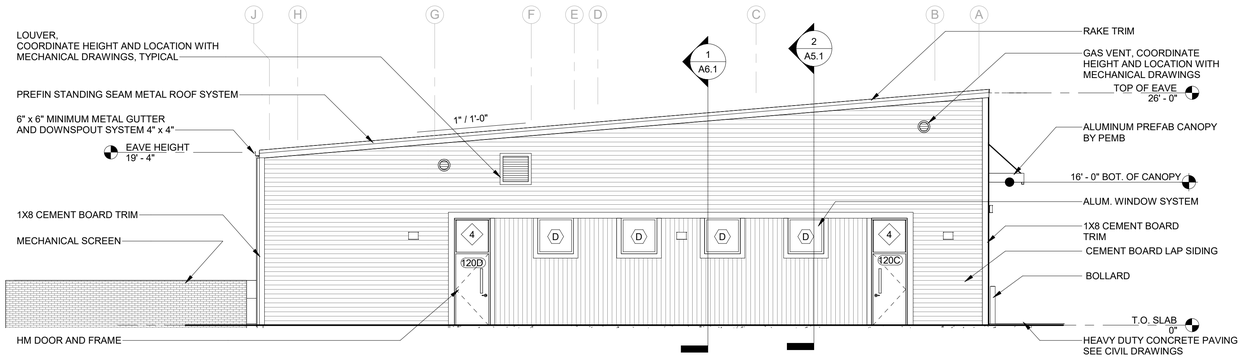
Sheet Description

EXTERIOR ELEVATIONS

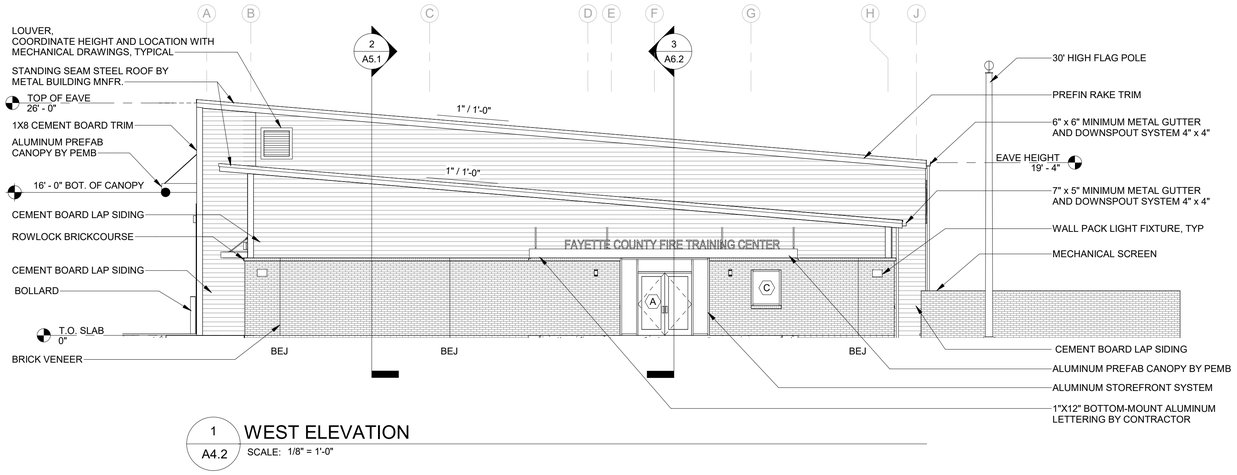
Sheet Number

A4.1



2 / A4.2 EAST ELEVATION

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



1 / A4.2 WEST ELEVATION

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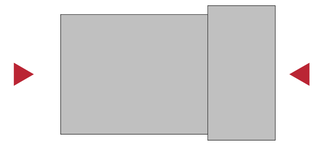

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EXTERIOR ELEVATIONS

Sheet Number

A4.2

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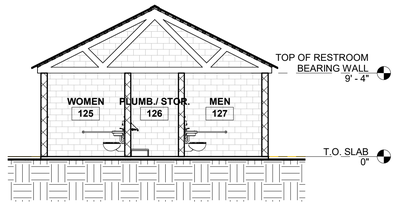
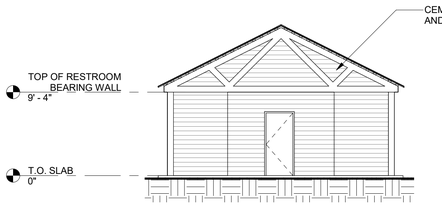


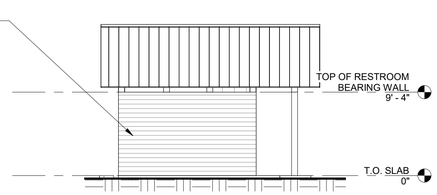
1 / A1.4 RESTROOM BUILDING SECTION

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



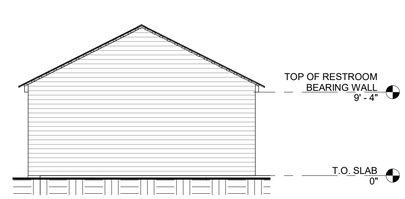
2 / A1.4 RESTROOM FRONT ELEVATION

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



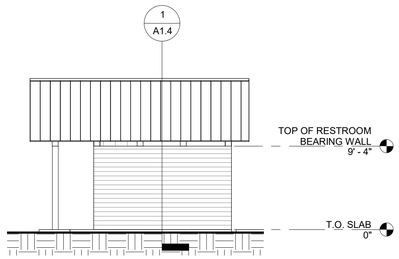
3 / A1.4 RESTROOM SIDE ELEVATION

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



4 / A1.4 RESTROOM BACK ELEVATION

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



5 / A1.4 RESTROOM LEFT SIDE ELEVATION

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

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number:	21-772
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Checked By:	SD

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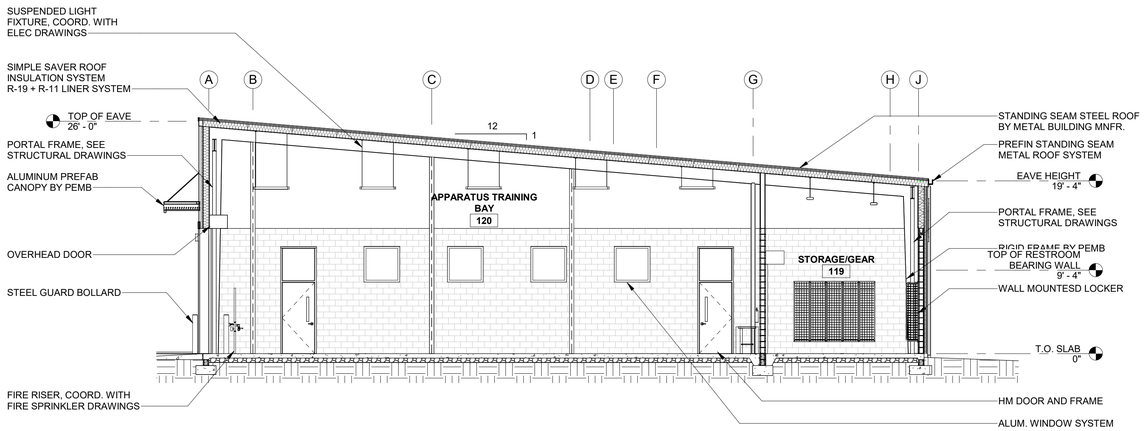
RESTROOM ELEVATIONS AND SECTION

Sheet Number

A4.3



1 / A5.1 APPARATUS BAY

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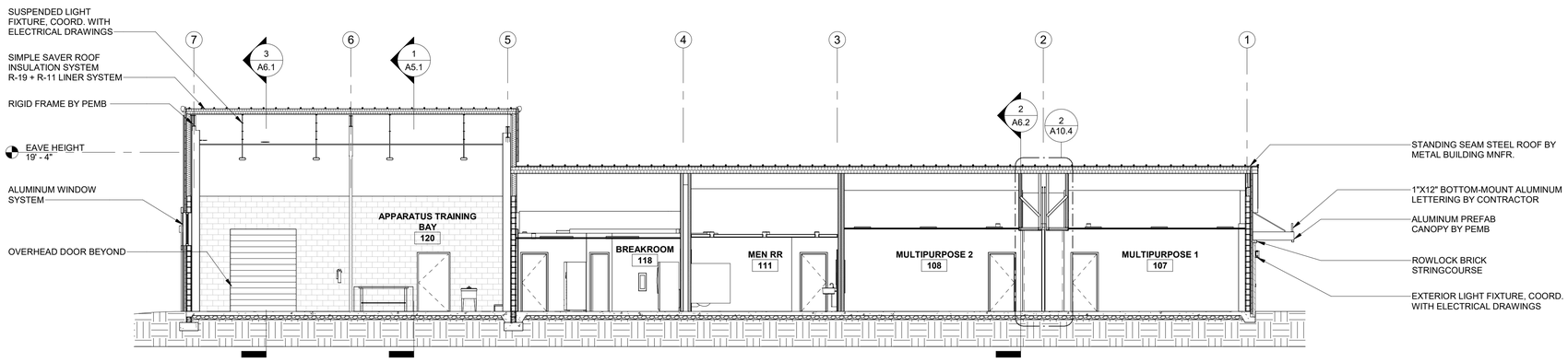
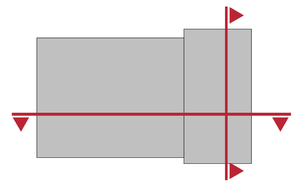


2 / A5.1 EAST TO WEST LONG

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



KEY PLAN

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
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BUILDING SECTIONS

Sheet Number

A5.1

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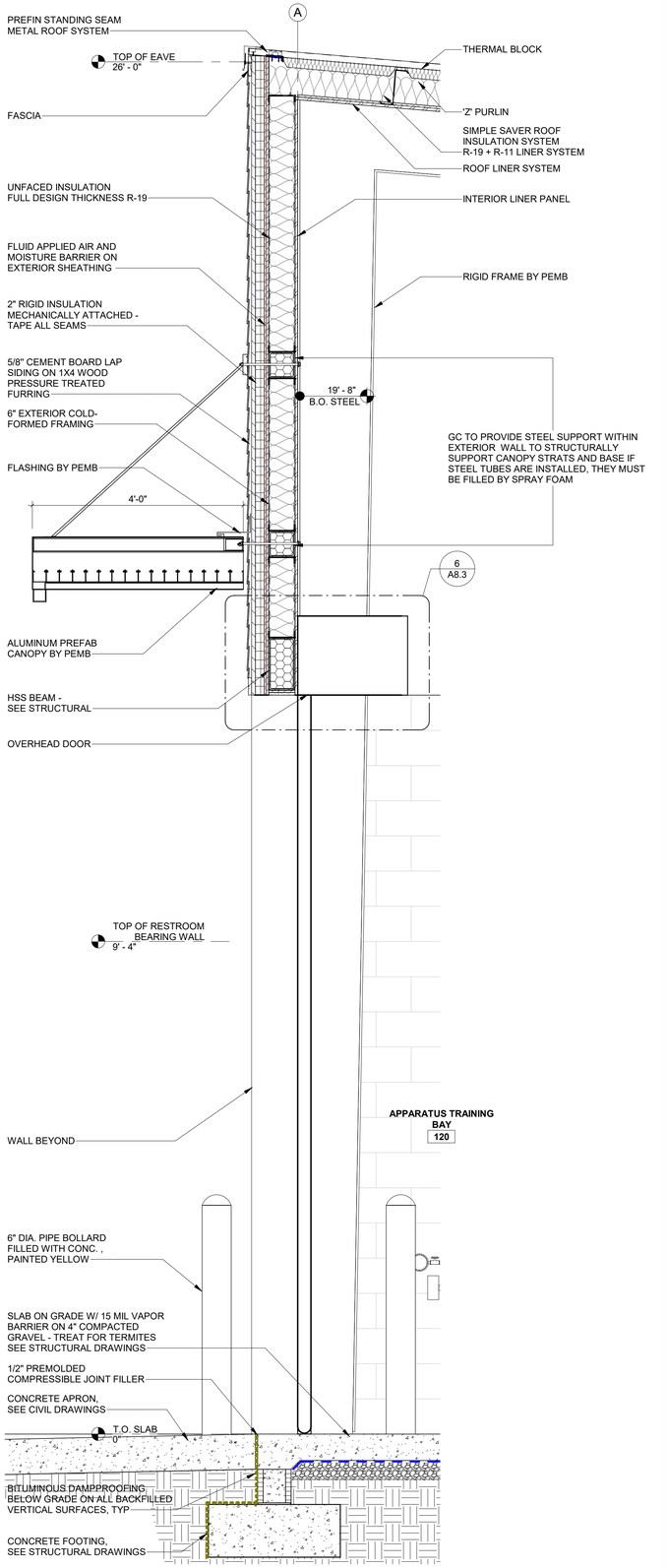

2 A6.1 WALL SECTION

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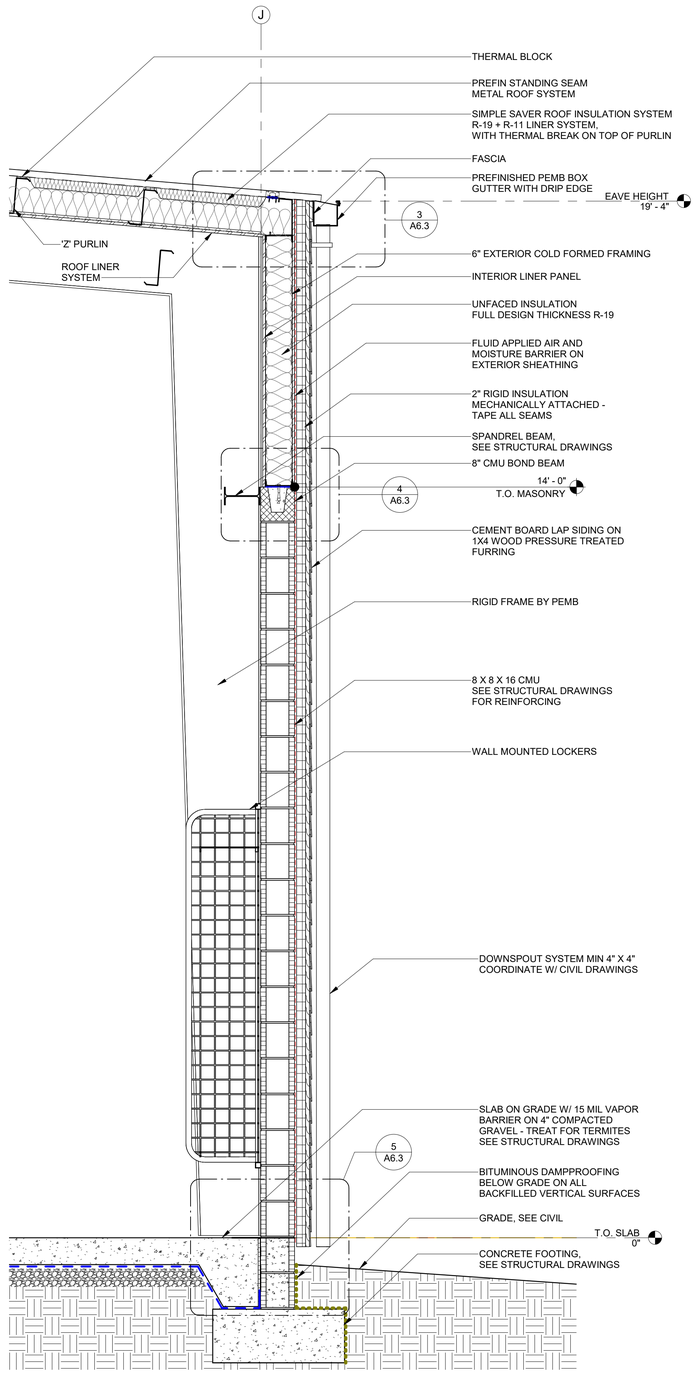

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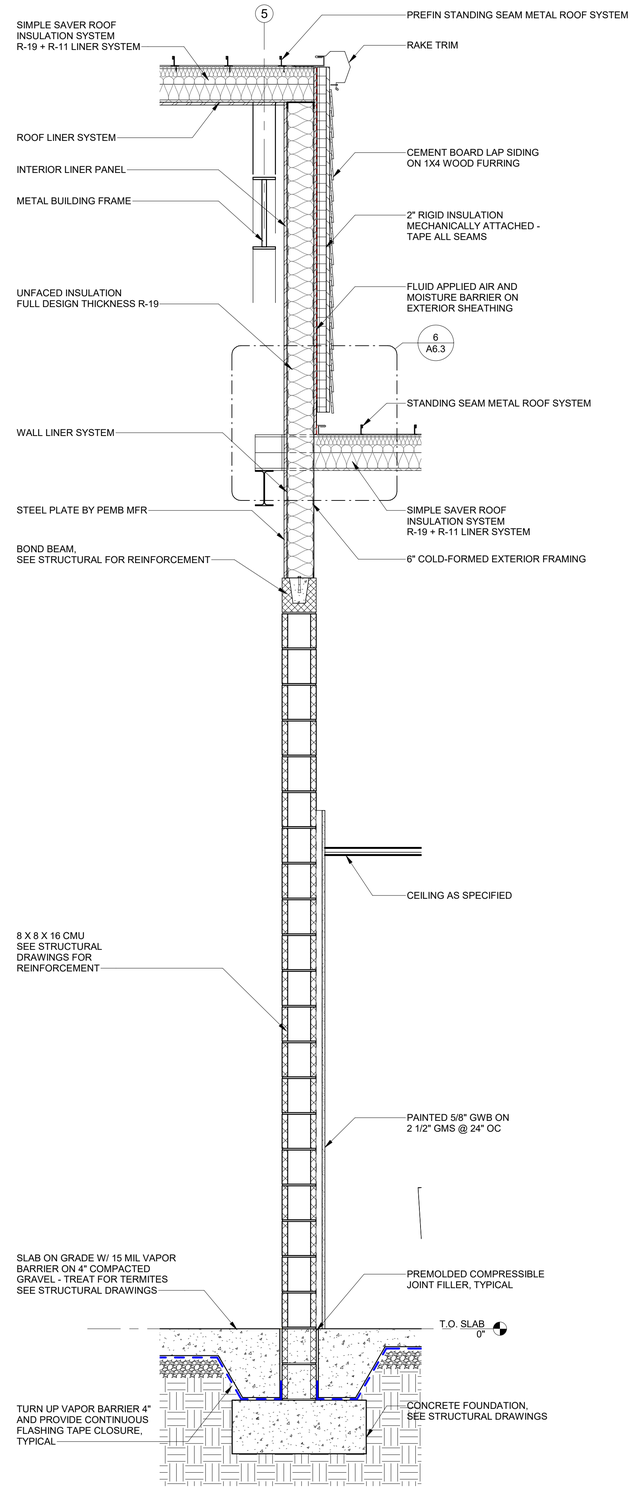

1 A6.1 WALL SECTION

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

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
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WALL SECTIONS

Sheet Number

A6.1

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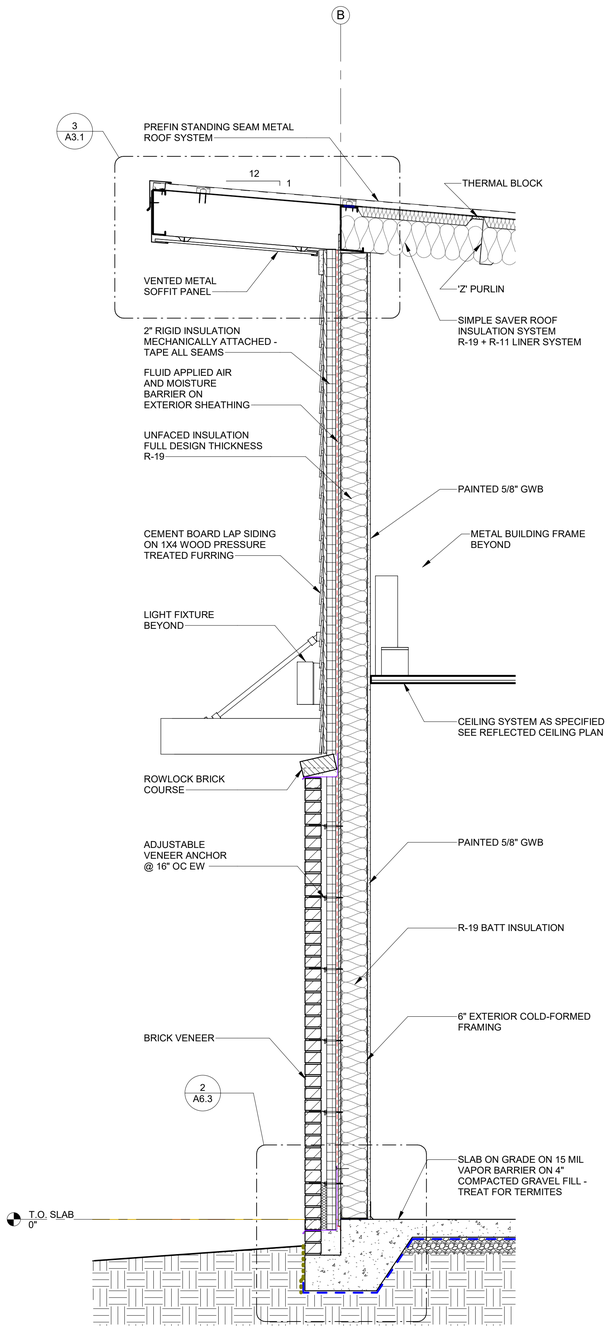

1 A6.2 WALL SECTION

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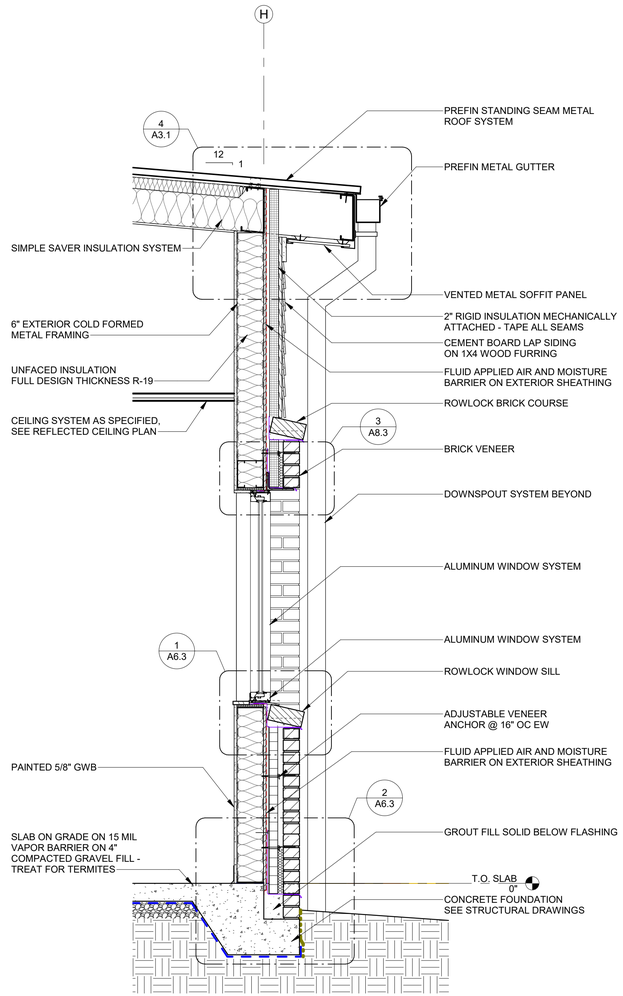

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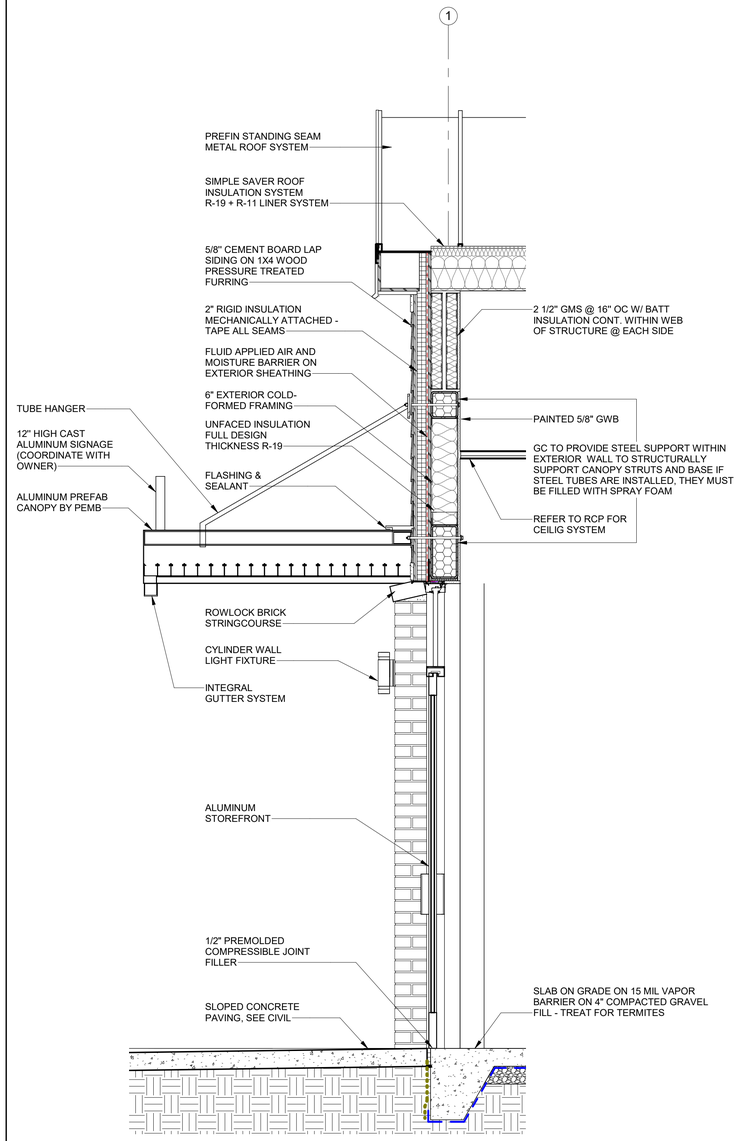

3 A6.2 WALL SECTION

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

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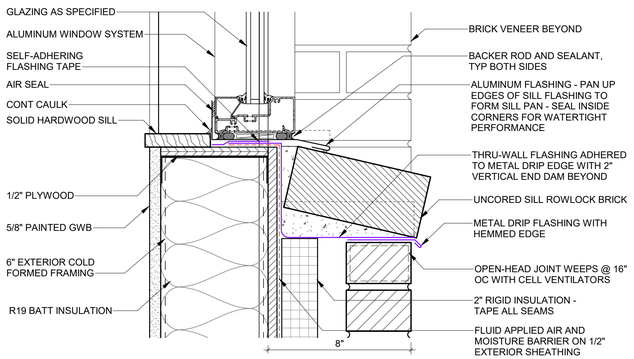
WALL SECTIONS

Sheet Number

A6.2



1 A6.3 WINDOW SILL @ BRICK

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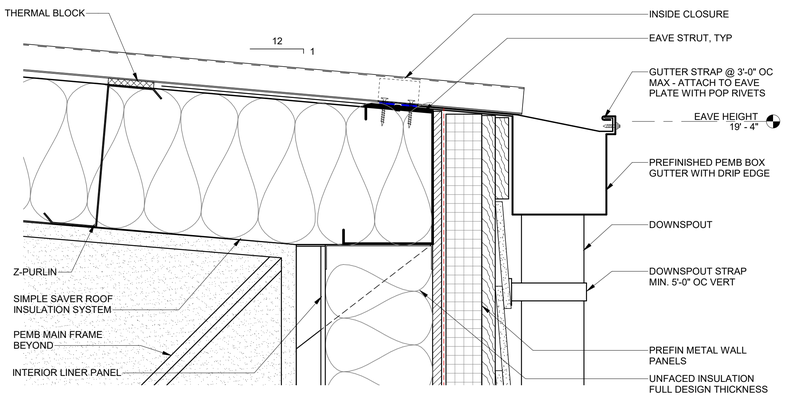
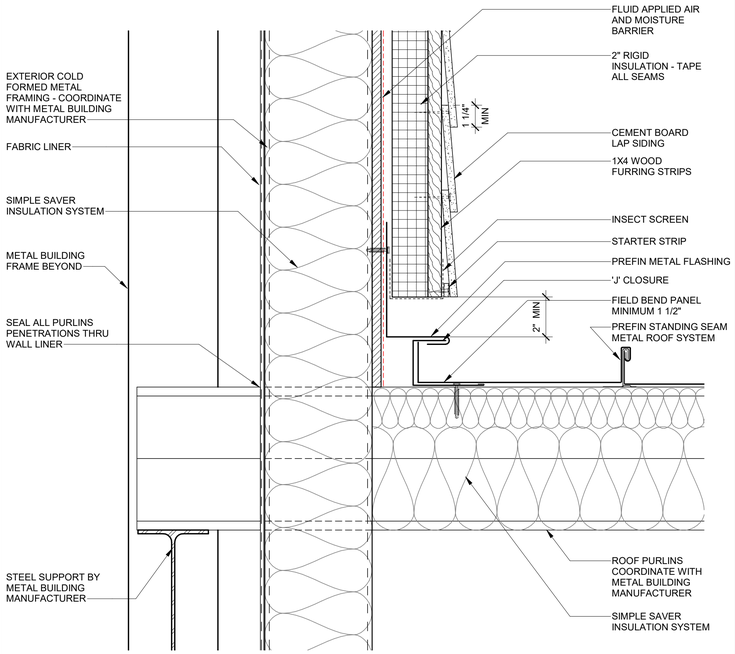


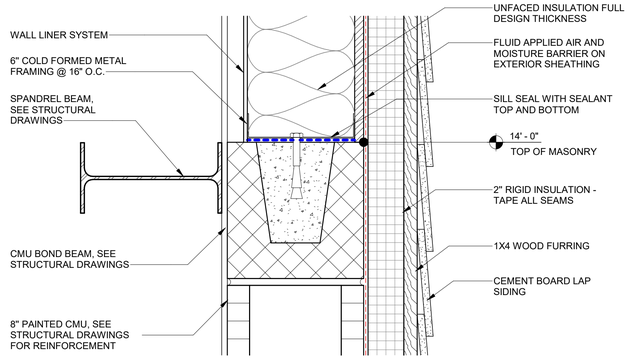
3 A6.3 SECTION DETAIL

SCALE: 3" = 1'-0"



6 A6.3 SECTION DETAIL

SCALE: 3" = 1'-0"



4 A6.3 SECTION DETAIL

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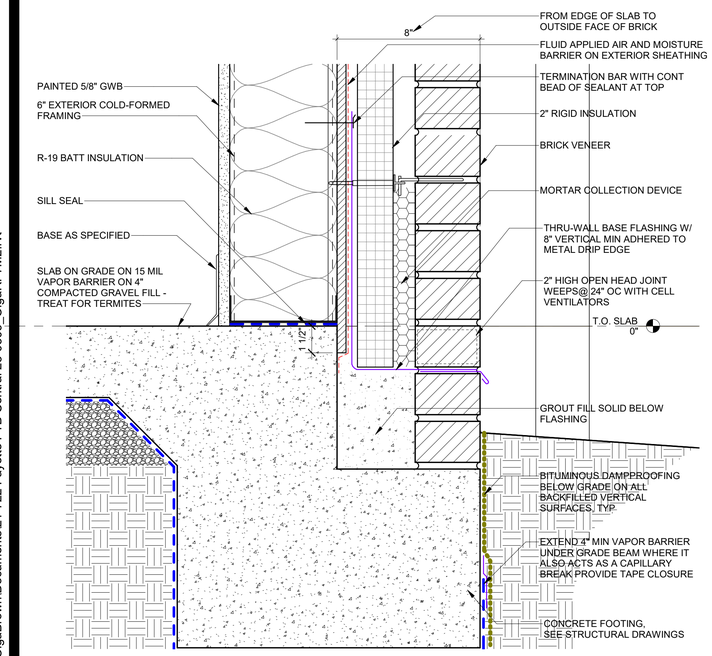
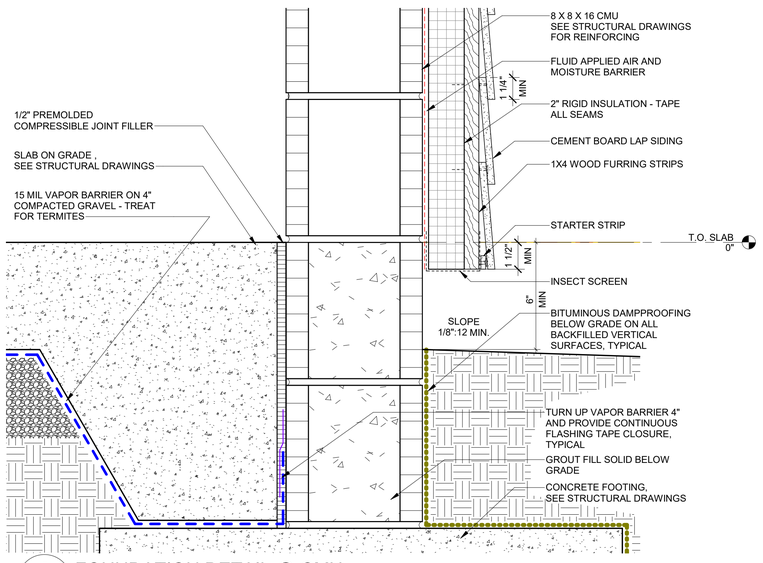


2 A6.3 FOUNDATION DETAIL @ BRICK

SCALE: 3" = 1'-0"



5 A6.3 FOUNDATION DETAIL @ CMU

SCALE: 3" = 1'-0"

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

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SECTION DETAILS

Sheet Number

A6.3

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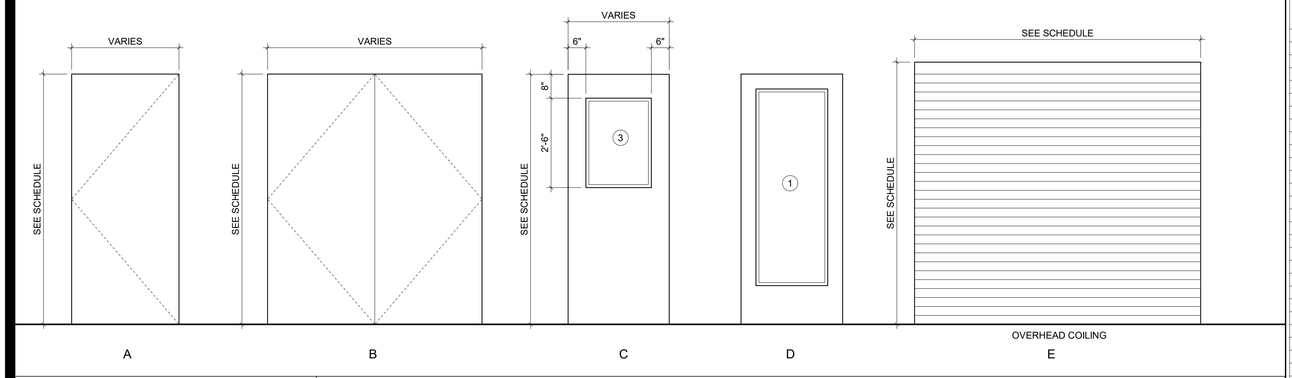
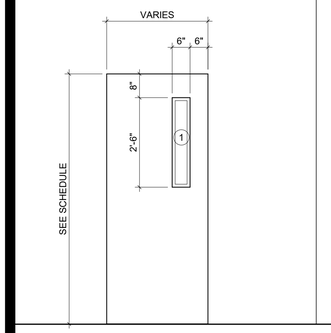
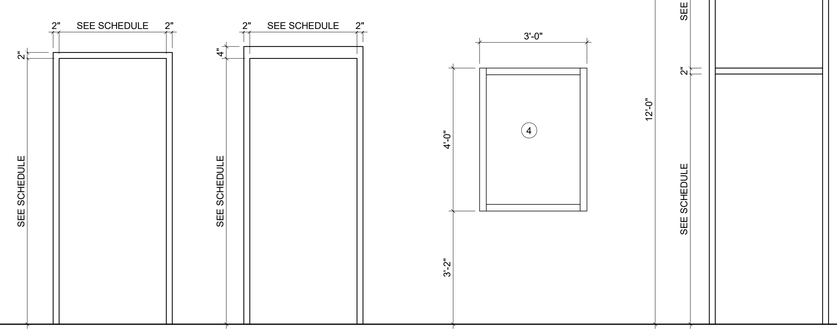
DOOR TYPES



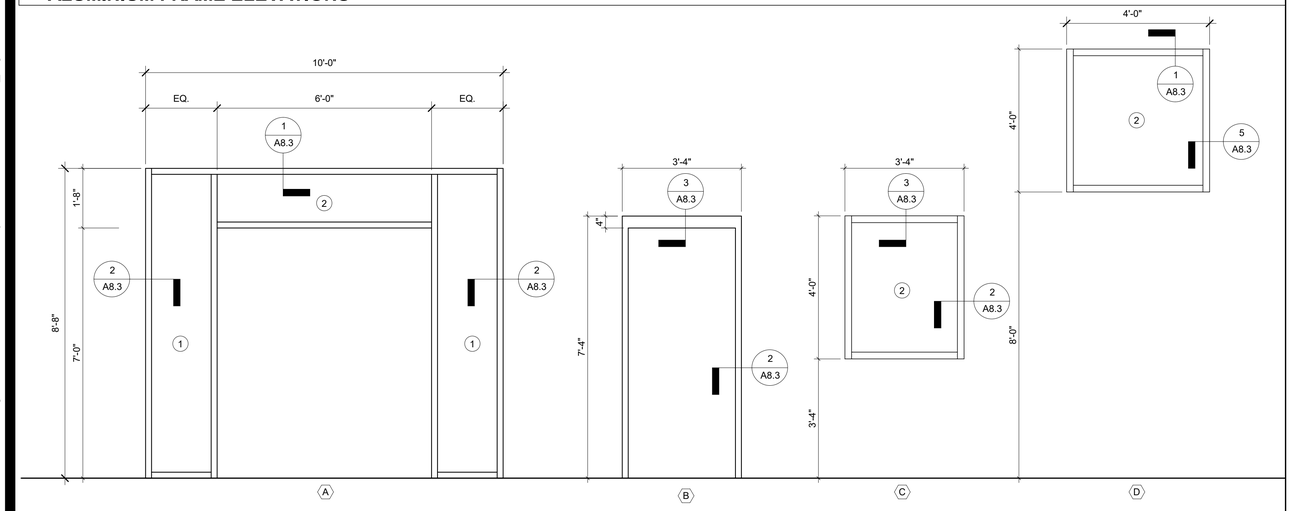
DOOR TYPE



HOLLOW METAL FRAME ELEVATIONS



ALUMINIUM FRAME ELEVATIONS



DOOR AND FRAME SCHEDULE

DOOR NO.	ROOM NAME	DOOR TYPE	DOOR MAT'L	DOOR WIDTH	DOOR HEIGHT	DOOR THK	DETAIL FRAME TYPE	DETAIL MAT'L	DETAIL HEAD	DETAIL JAMB	THRES HOLD	HDWR SET	REMARKS
			HM	3' - 0"	7' - 0"	1 3/4"	1	HM	<varies>	<varies>			
101A	MAIN ENTRY	D	ALUM	6' - 0"	7' - 0"	1 3/4"	A	ALUM	1/A8.3	2/A8.3 SIM	6/A8.2	ENTRY LOCK	A
102	BULLPEN	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	3/A10.3	OFFICE	C
103	OFFICE	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	OFFICE	
104	OFFICE	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	OFFICE	
105	OFFICE	C	HM	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	OFFICE	
106	SERVER	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	2/A10.3	STOREROOM	
107	MULTIPURPOSE 1	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	3/A10.3	CLASSROOM	A
107A	MULTIPURPOSE 1	D	ALUM	3' - 0"	7' - 0"	1 3/4"	B	ALUM	1/A6.3 SIM	2/A8.3 SIM	6/A8.2	ENTRY LOCK	A
108	MULTIPURPOSE 2	C	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	3/A10.3	CLASSROOM	A
108A	MULTIPURPOSE 2	D	ALUM	3' - 0"	7' - 0"	1 3/4"	B	ALUM	1/A6.3 SIM	2/A8.3 SIM	6/A8.2	ENTRY LOCK	A
109	STORAGE	B	SCWD	6' - 0"	7' - 0"	1 3/4"	1	HM	2C/A8.2	2A/A8.2	2/A10.3	STOREROOM	
110	MECH / ELEC	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	2/A10.3	STOREROOM	
111	MEN RR	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	1/A10.3	PASSAGE	
111A	SHOWER	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	PRIVACY	
111B	SHOWER	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	PRIVACY	
112	WOMEN RR	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	1/A10.3	PASSAGE	
112A	SHOWER	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	PRIVACY	
113	CORRIDOR	-	-	6' - 0"	7' - 0"		1	HM	2B/A8.2 SIM	2A/A8.2 SIM	-	-	
114	JAN	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	2/A10.3	STOREROOM	
115	STORAGE	B	HM	6' - 0"	7' - 0"	1 3/4"	1	HM	2C/A8.2	2A/A8.2	2/A10.3	STOREROOM	
116	BREAKOUT 1	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	3/A10.3	CLASSROOM	
117	BREAKOUT 2	C	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	3/A10.3	CLASSROOM	
118	BREAKROOM	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	PASSAGE	
118A	BREAKROOM	D	ALUM	3' - 0"	7' - 0"	1 3/4"	B	ALUM	1/A6.3 SIM	2/A8.3 SIM	6/A8.2	ENTRY LOCK	
119	STORAGE/GEAR	C	HM	3' - 8"	7' - 0"	1 3/4"	2	HM	10/A8.2	11/A8.2	-	PASSAGE	
119A	STORAGE/GEAR	E	ALUM	8' - 0"	10' - 0"	2"	-	ALUM			-	-	B
120A	APPARATUS TRAINING BAY	E	ALUM	14' - 0"	14' - 0"	2"	-	ALUM	8/A8.3	7/A8.3	-	-	B
120B	APPARATUS TRAINING BAY	E	ALUM	14' - 0"	14' - 0"	2"	-	ALUM	8/A8.3	7/A8.3	-	-	B
120C	APPARATUS TRAINING BAY	F	HM	3' - 8"	8' - 0"	1 3/4"	4	HM	1/A8.3	7/A8.3	6/A8.2	ENTRY LOCK	A
120D	APPARATUS TRAINING BAY	F	HM	3' - 8"	8' - 0"	1 3/4"	4	HM	1/A8.3	7/A8.3	6/A8.2	ENTRY LOCK	A
120E	APPARATUS TRAINING BAY	C	HM	3' - 0"	7' - 0"	1 3/4"	2	HM	10/A8.2	11/A8.2	2/A10.3	PASSAGE	A, C
120F	PLUMB./ STOR.	A	HM	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	STOREROOM	E BATHROOM BUILDING
120G	WOMEN	A	HM	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	PRIVACY	E BATHROOM BUILDING
120H	MEN	A	HM	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	PRIVACY	E BATHROOM BUILDING
121	PANTRY	A	SCWD	3' - 0"	7' - 0"	1 3/4"	1	HM	2B/A8.2	2A/A8.2	-	STOREROOM	

GENERAL DOOR NOTES

1. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (I.E. 100A)
2. HARDWARE OF ACCESSIBLE DOORS AND OPERATING DEVICES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRED TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
3. REQUIRED PANIC HARDWARE AND FIRE EXITS HARDWARE SHALL NOT BE EQUIPPED WITH ANY LOCKING DEVICE, SET SCREW, OR OTHER ARRANGEMENT THAT PREVENTS THE RELEASE OF THE LATCH WHEN PRESSURE IS APPLIED TO THE RELEASING DEVICE.
4. WEATHERSTRIPPING SHALL BE PROVIDED AT HEAD AND JAMBS OF ALL EXTERIOR DOORS.
5. ALL THRESHOLDS SHALL CONFORM TO HANDICAP ACCESS REQUIREMENTS.
6. ALL EXTERIOR DOORS AND FRAMES TO BE HOT-DIPPED GALVANIZED - REFER TO SECTION 08110.
7. PROVIDE UNDERCUTS PER MECHANICAL DRAWINGS.
8. DOOR STOPS ARE NOT SHOWN ON PLANS. HOWEVER, ALL DOORS SHALL RECEIVE APPROPRIATE FLOOR OR WALL STOP AS REQUIRED.
9. CONTRACTOR TO COORDINATE KEYING SYSTEMS AND HARDWARE FUNCTIONS WITH OWNER.

REMARKS

A. PROVIDE EMERGENCY EGRESS HARDWARE.

B. OVERHEAD DOOR.

C. PROVIDE CARD READER.

GLAZING LEGEND

1. 1" INSULATED TEMPERED
2. 1" INSULATED
3. 1/4" CLEAR TEMPERED
4. 1/4" CLEAR

GENERAL WINDOW NOTES

1. TEMPERED GLAZING SHALL BE PROVIDED IN ALL LOCATIONS WHERE WINDOWS OR GLAZING ARE LOCATED WITHIN 3'-0" OF INTERIOR OR EXTERIOR DOORS, BELOW DOOR HEAD HEIGHT, AND UP TO 1'-6" ABOVE FINISH FLOOR.
2. SEE DOOR & WINDOW ELEVATIONS AND DOOR SCHEDULE FOR GLAZING TYPES.
3. SECTIONS THROUGH WINDOW MEMBERS ARE SHOWN SCHEMATICALLY - ACTUAL CONFIGURATIONS MAY VARY PER APPROVED MFR'S.
4. ROUGH OPENINGS ARE SHOWN ON WINDOW ELEVATIONS. ACTUAL WINDOW UNITS SHOULD BE CONSTRUCTED TO MEET TOLERANCES NECESSARY FOR PROPER HORIZONTAL AND VERTICAL ALIGNMENT OF SYSTEMS AND CONFORMANCE WITH DETAILS AND SPECIFICATIONS OF THE CONSTRICTION DOCUMENTS.
5. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATIONS.
6. WINDOW MFR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL MULLION REINFORCEMENT NECESSARY TO MEET ALL SPECIFIED LOADING CRITERIA.

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

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Drawn By: JJ
Checked By: SD
Revisions:

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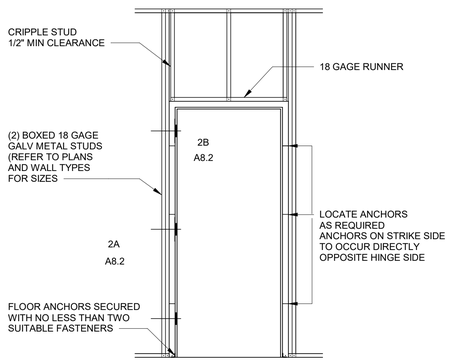
Sheet Description

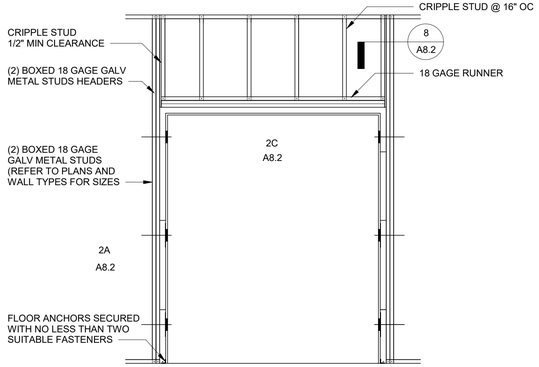
DOOR & WINDOW SCHEDULES & DETAILS

Sheet Number

A8.1



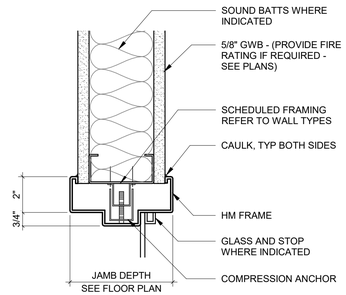
DOORS ≤ 36" WIDE



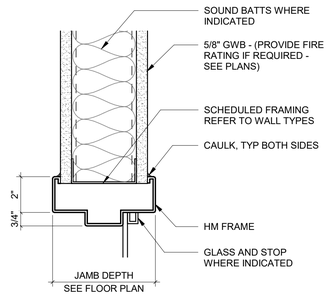
DOORS > 36" WIDE

1 A8.2 **DOOR FRAME ELEVATIONS**

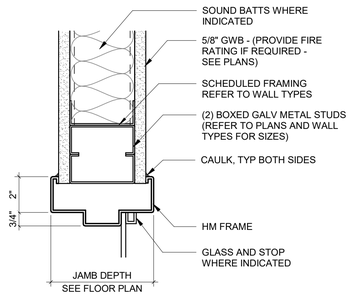
SCALE: 1/2" = 1'-0"



2A
JAMB



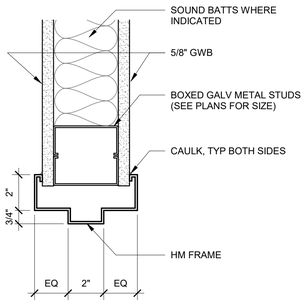
2B
HEAD



2C
HEAD

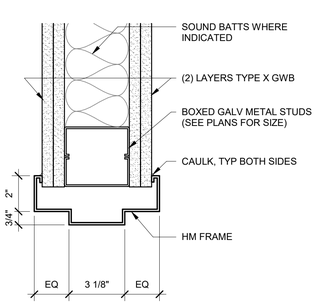
2 A8.2 **JAMB DETAILS**

SCALE: 3" = 1'-0"



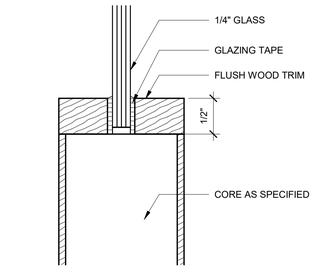
3 A8.2 **JAMB DETAIL (HEAD SIM) - (1) HR RATED**

SCALE: 3" = 1'-0"



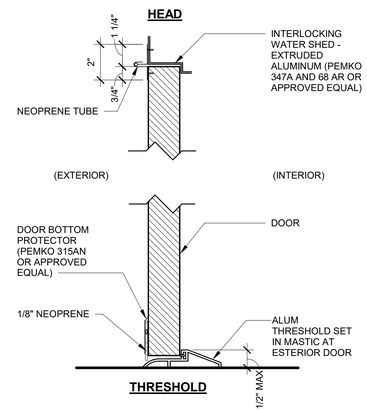
4 A8.2 **JAMB DETAIL (HEAD SIM) - (2) HR RATED**

SCALE: 3" = 1'-0"



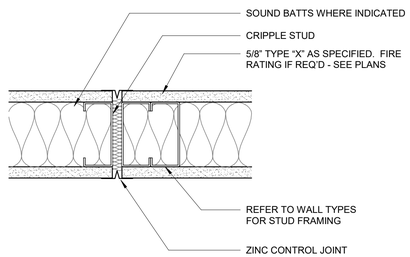
5 A8.2 **DOOR GLAZING- NON-RATED**

SCALE: 12" = 1'-0"



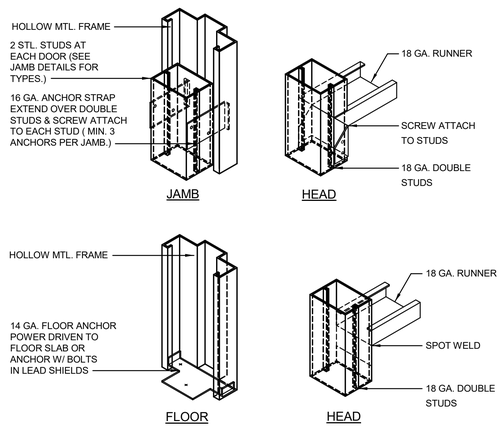
6 A8.2 **DOOR WEATHERPROOFING**

SCALE: 3" = 1'-0"



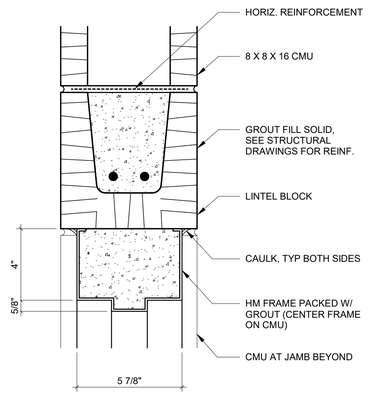
8 A8.2 **GYPSUM - CONTROL JOINT DETAIL**

SCALE: 3" = 1'-0"



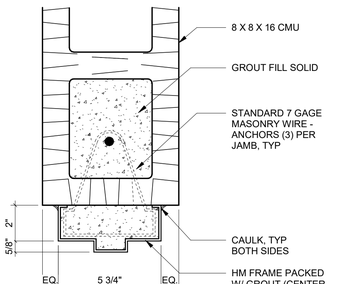
9 A8.2 **TYPICAL FRAME DETAILS**

SCALE: 3" = 1'-0"



10 A8.2 **HEAD DETAIL @ CMU**

SCALE: 3" = 1'-0"



11 A8.2 **JAMB DETAIL @ CMU**

SCALE: 3" = 1'-0"

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number:	21-772
Date	11/03/2023
Drawn By:	VH
Checked By:	SA
Revisions:	

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Sheet Description

DOOR AND WINDOW DETAILS

Sheet Number

A8.2

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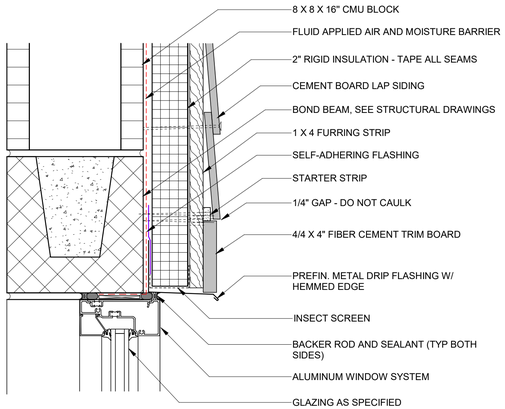
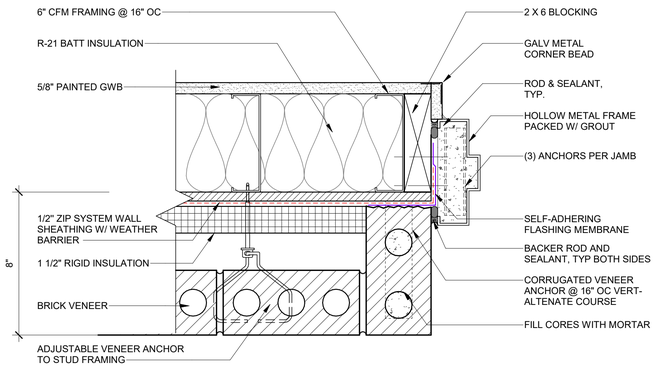


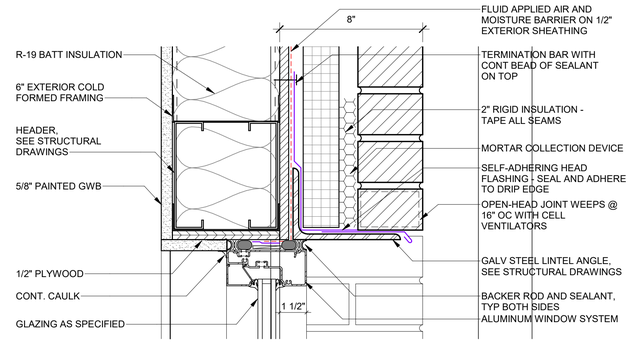
1 A8.3 WINDOW HEAD DETAIL @ LAP SIDING

SCALE: 3" = 1'-0"



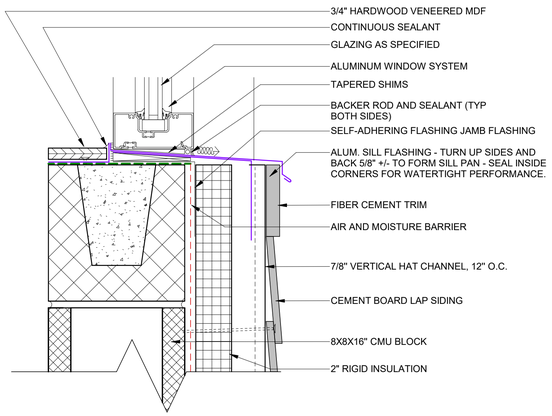
2 A8.3 JAMB DETAIL @ BRICK

SCALE: 3" = 1'-0"



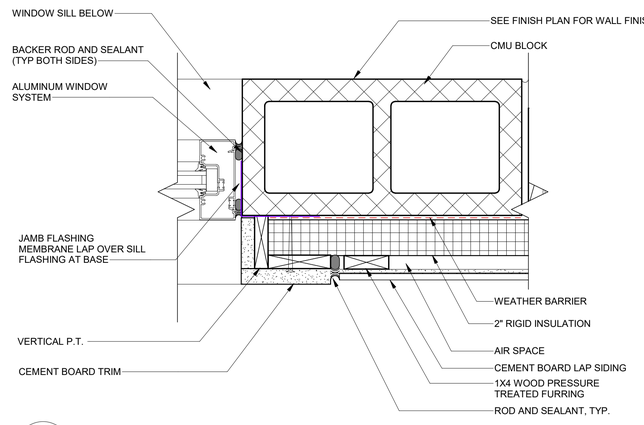
3 A8.3 WINDOW HEAD @ BRICK

SCALE: 3" = 1'-0"



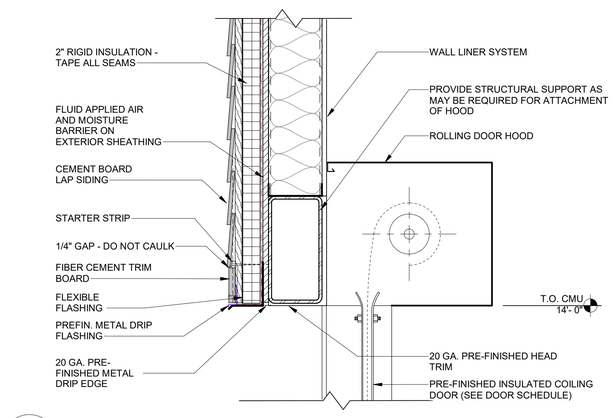
4 A8.3 WINDOW SILL @ LAP SIDING

SCALE: 3" = 1'-0"



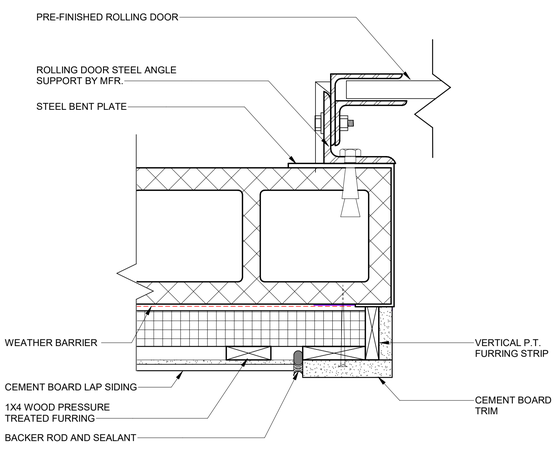
5 A8.3 WINDOW JAMB DETAIL @ LAP SIDING

SCALE: 3" = 1'-0"



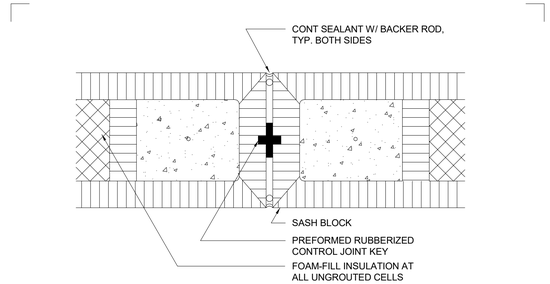
6 A8.3 HEAD AT OH DOOR

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



7 A8.3 OVERHEAD DOOR JAMB DETAIL

SCALE: 3" = 1'-0"

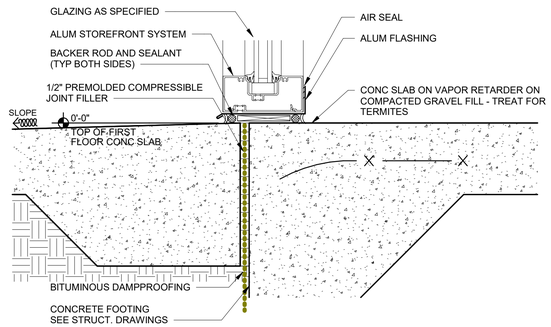


CONTROL JOINT GENERAL NOTES:

1. ALL HORIZONTAL JOINT REINFORCEMENT SHALL BE DISCONTINUOUS ACROSS CONTROL JOINTS.
2. CONTROL JOINTS IN BOND BEAMS SHALL ALIGN W/ WALL CONTROL JOINTS. SEE STRUCT FOR BOND BEAM.
3. CONTROL JOINT SHALL EXTEND FROM FOUNDATION TO TOP OF CMU.
4. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION PERTAINING TO CONTROL JOINTS.
5. OFFSET CJ'S HORIZONTALLY AT LINTELS - REFER TO STRUCTURAL DRAWINGS.

8 A8.3 CMU WALL CONTROL JOINT

SCALE: 3" = 1'-0"



9 A8.3 WINDOW SILL @ STOREFRONT

SCALE: 3" = 1'-0"

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HEAD & JAMB DETAILS

Sheet Number

A8.3

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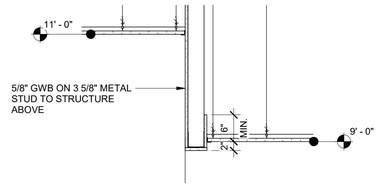
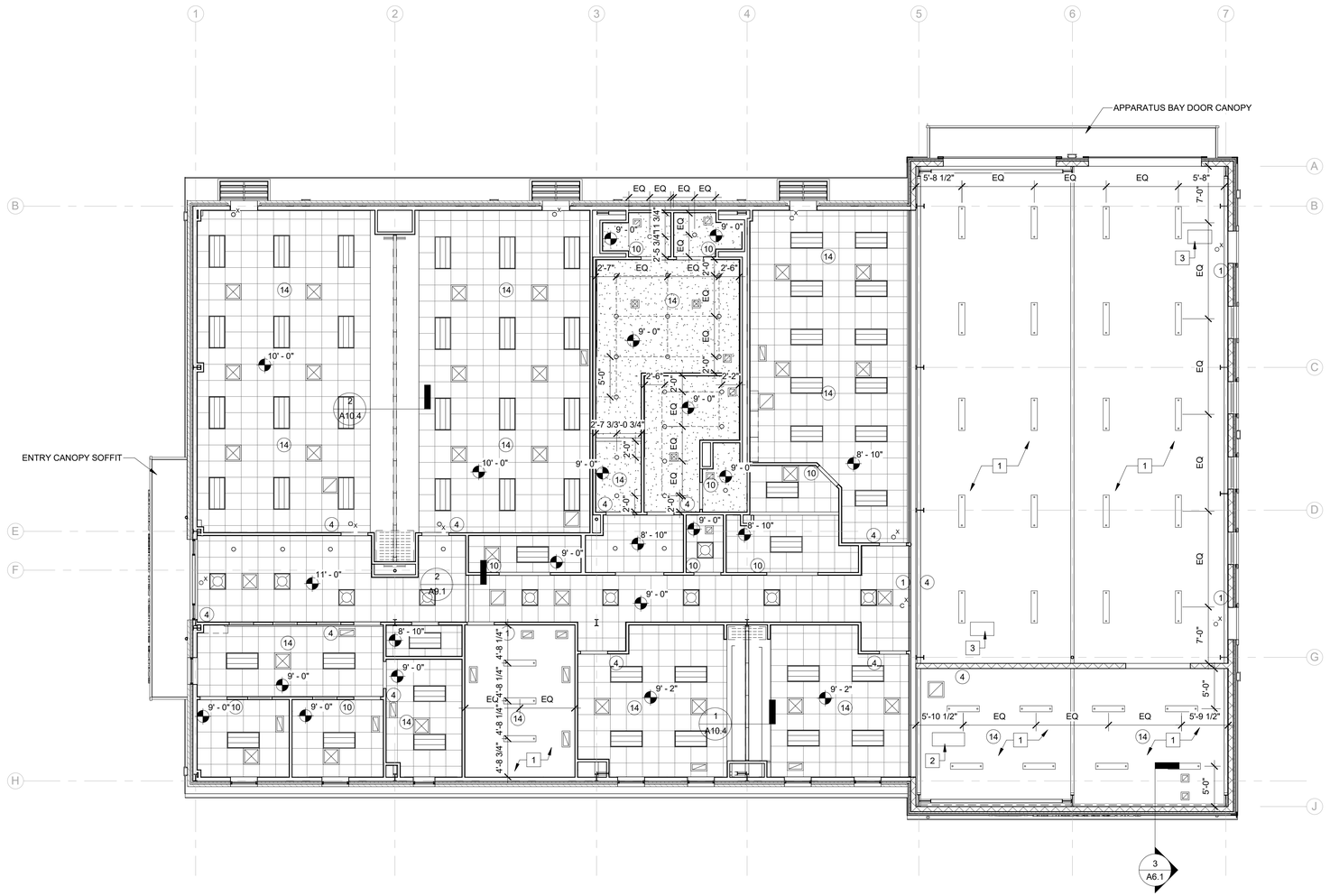


2 A9.1 ACT DETAIL
SCALE: 3/4" = 1'-0"



1 A9.1 PLAN NORTH REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

A. ALL ABOVE-CEILING AND EXPOSED SYSTEMS INSTALLATION BY SUBS TO BE COORDINATED WITH OTHER TRADES PRIOR TO BEGINNING WORK.

B. ENGINEERING DRAWINGS TAKE PRECEDENCE FOR PARTICULAR FIXTURE TYPES. ARCHITECTURAL REFLECTED CEILING PLANS ARE FOR COORDINATION OF AESTHETIC ARRANGEMENTS.

C. ENGINEERING DRAWINGS TAKE PRECEDENCE FOR SIZES OF DUCTWORK. ARCHITECTURAL REFLECTED CEILING PLANS ARE FOR COORDINATION OF AESTHETIC ARRANGEMENTS.

D. CEILING HEIGHTS INDICATED ARE FROM TOP OF FINISH FLOOR TO UNDERSIDE OF FINISHED CEILING.

E. ALL LAY-IN ACOUSTICAL CEILINGS TO BE ACT-1 WITH GRID 1 U.N.O.

F. ALL EXPOSED CEILINGS TO BE PAINTED P-2, U.N.O.

G. EXPOSED PIPING, CONDUIT, ETC. NOT SHOWN FOR CLARITY. ALL EXPOSED ELEMENTS SHALL BE PAINTED, UNO.

H. ALL EXPOSED ELECTRICAL CONDUIT TO BE PAINTED TO MATCH ADJACENT SURFACES.

I. REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION. REFER TO SPECS FOR GWB TYPE DESIGNATIONS.

KEYED REFLECTED CEILING PLAN NOTES

1 NO CEILING, EXPOSED TO STRUCTURE. WALLS AT PERIMETER SHALL EXTEND TO UNDERSIDE OF DECK.

2 AC UNIT

3 HEATING UNIT

FIXTURE LEGEND

○	LED DOWNLIGHT 40K
	2 X 2 LED MOUNTED LIGHT
	2 X 4 LED LIGHT
	48" LED LINEAR LAMP
○X	LITHONIA: LQM P R WITH EMERGENCY BATTERY CONNECT TO NEAREST UNSWITCHED HOT LEG
NL x	INDICATES THE FIXTURE TO FUNCTION AS A NIGHT/LIGHT 24 HOUR OPERATION
PP	LIGHTING CONTROL POWER PACK
	LITHONIA: WDGEL2 P5 40K MVOLT SRM DDBXD DARK BRONZE INCLUDES EMERGENCY BATTERY
	SQUARE RETURN 24" X 24"
	SQUARE AIR SUPPLY 24" X 24"
	SQUARE RETURN 12" X 12"
	SQUARE AIR SUPPLY 12" X 12"
	SQUARE RETURN 12" X 24"
	SQUARE RETURN
	MECHANICAL EQUIPMENT

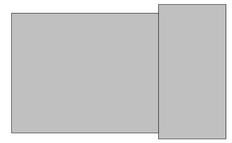
LIGHTING CONTROL SCHEDULE

1	LIGHTING CONTROL DEVICE 1 NIGHT LIGHT NPODM WALL POD ON/OFF CONTROL
14	LIGHTING CONTROL DEVICE 1 NIGHT LIGHT NPODM WALL POD ON/OFF CONTROL
10	LIGHTING CONTROL DEVICE 10 SENSOR SWITCH PUSH BUTTON ON/OFF DUAL TECH SENSOR
20	LIGHTING CONTROL DEVICE 20 NPP 16 1 6A POWER PACK
4	LIGHTING CONTROL DEVICE 4 NIGHT LIGHT NPODM-DX WALL POD ONE ON/OFF CONTROL, ONE DIMMER CONTROL

FINISH SYMBOLS LEGEND

CEILING HEIGHT → 10'-0" A ← REMARKS

	LAY-IN ACOUSTICAL CEILING
	GWB CEILING
	PAINTED EXPOSED STRUCTURE



KEY PLAN

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

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Sheet Description

REFLECTED CEILING PLAN

Sheet Number

A9.1

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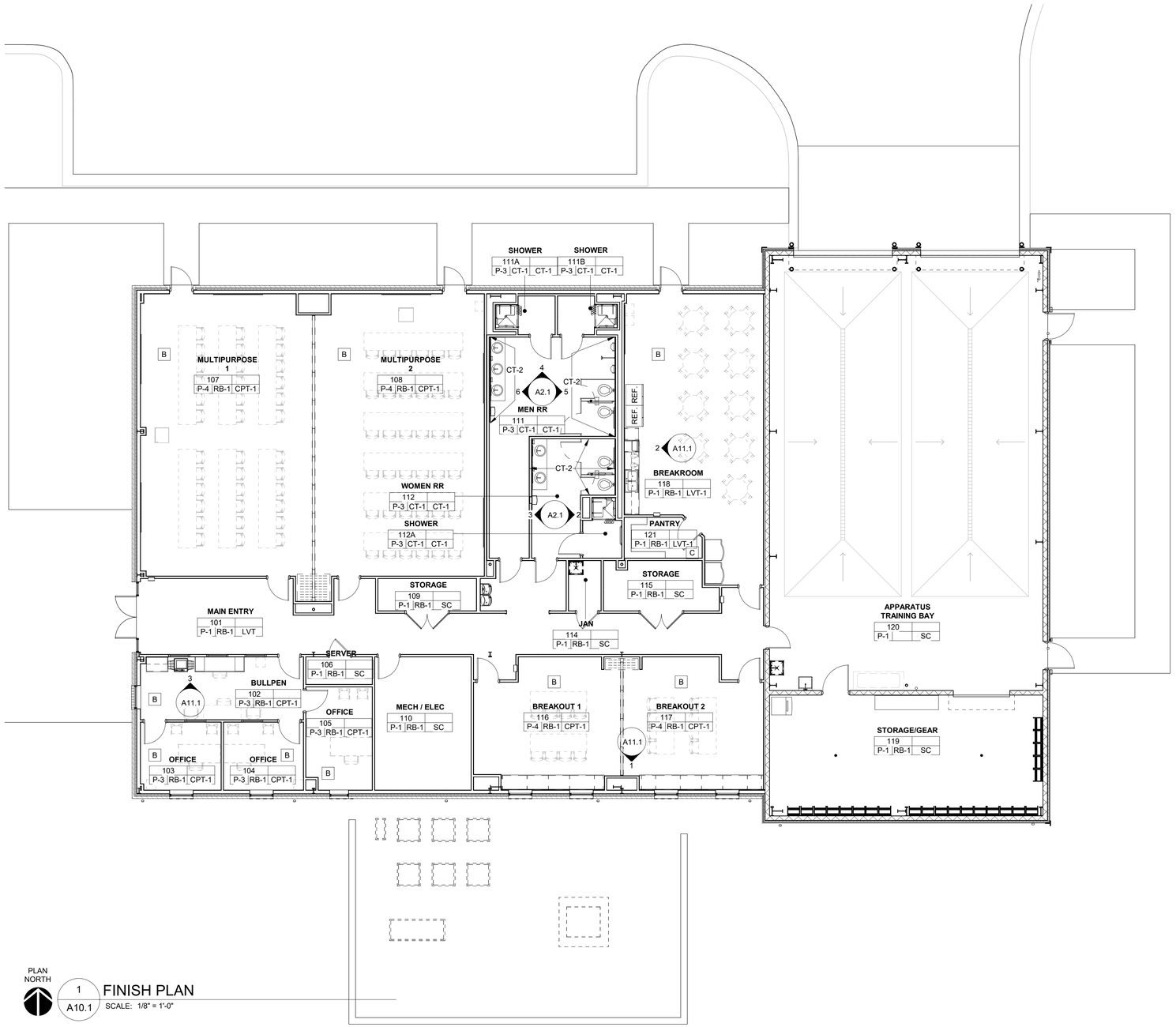


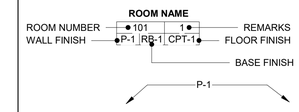
GENERAL FINISH NOTES

1. REFER TO SPECIFICATIONS FOR PAINT SYSTEM.
2. ALL PAINT TERMINATES AT INSIDE CORNER, U.N.O.
3. REFER TO REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION. REFER TO SPECIFICATIONS FOR GWB TYPE DESIGNATIONS.
4. PROVIDE EXTRUDED ALUM TRANSITION STRIPS AT ALL CHANGES IN FLOOR MATERIAL.
5. ROOMS OR SPACES NOT PROVIDED WITH FINISH TAGS SHALL HAVE UNFINISHED FLOORS, WALLS PAINTED P-1, AND NO WALL BASE (UNO).
6. PROVIDE EXPANSION JOINTS WITH COVERS AT ALL NEW JOINTS.
7. ALL HOLLOW METAL FRAMES TO BE PAINTED P-4.
8. ALL WALLS TO BE PAINTED P-1, U.N.O.
9. ALL GWB CEILINGS TO BE PAINTED P-2, U.N.O.

KEYED FINISH NOTES

- A PROVIDE FRP FULL HEIGHT ABOVE MOP SINK.
- B PROVIDE BLACK OUT SHADES AT ALL WINDOWS.
- C SHELVING BY OWNER

FINISH SYMBOLS LEGEND



FINISH LEGEND

PAINT	
P-1	NEBULOUS WHITE, SW 7063
P-2	EXTRA WHITE, SW 7006
P-3	REPOSE GREY, SW 7015
P-4	PEWTER CAST SW 7673
SEALED CONCRETE	
SC	SEALED CONCRETE
RUBBER BASE	
RB-1	4" RUBBER BASE. BOD: ROPPE, 150 DARK GRAY
WALK-OFF	
WM	SHAW WELCOME II STEPPIN OUT CHARCOAL 31549
PLASTIC LAMINATE	
PL-1	WILSONART PARK ELM, 7967K-12
CARPET	
CPT-1	SHAW, ON THE EDGE, VERTICAL EDGE TILE, SHIMMER FRINGE, 67585
CERAMIC TILE	
CT-1	TRINITY TILE, AEDEN, PEBBLE 12X24 SMOOTH (STACKED LAY)
CT-2	TRINITY TILE, AEDEN, PEBBLE 12X24 SMOOTH UP TO 7'-6" AFF (STACKED LAY)
LUXURY VINYL TILE	
LVT	SHAW TERRAIN II, NEST 00774
SOLID SURFACE	
SS-1	CORIAN WHITE JASMINE

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Sheet Description
FINISH PLAN

Sheet Number
A10.1

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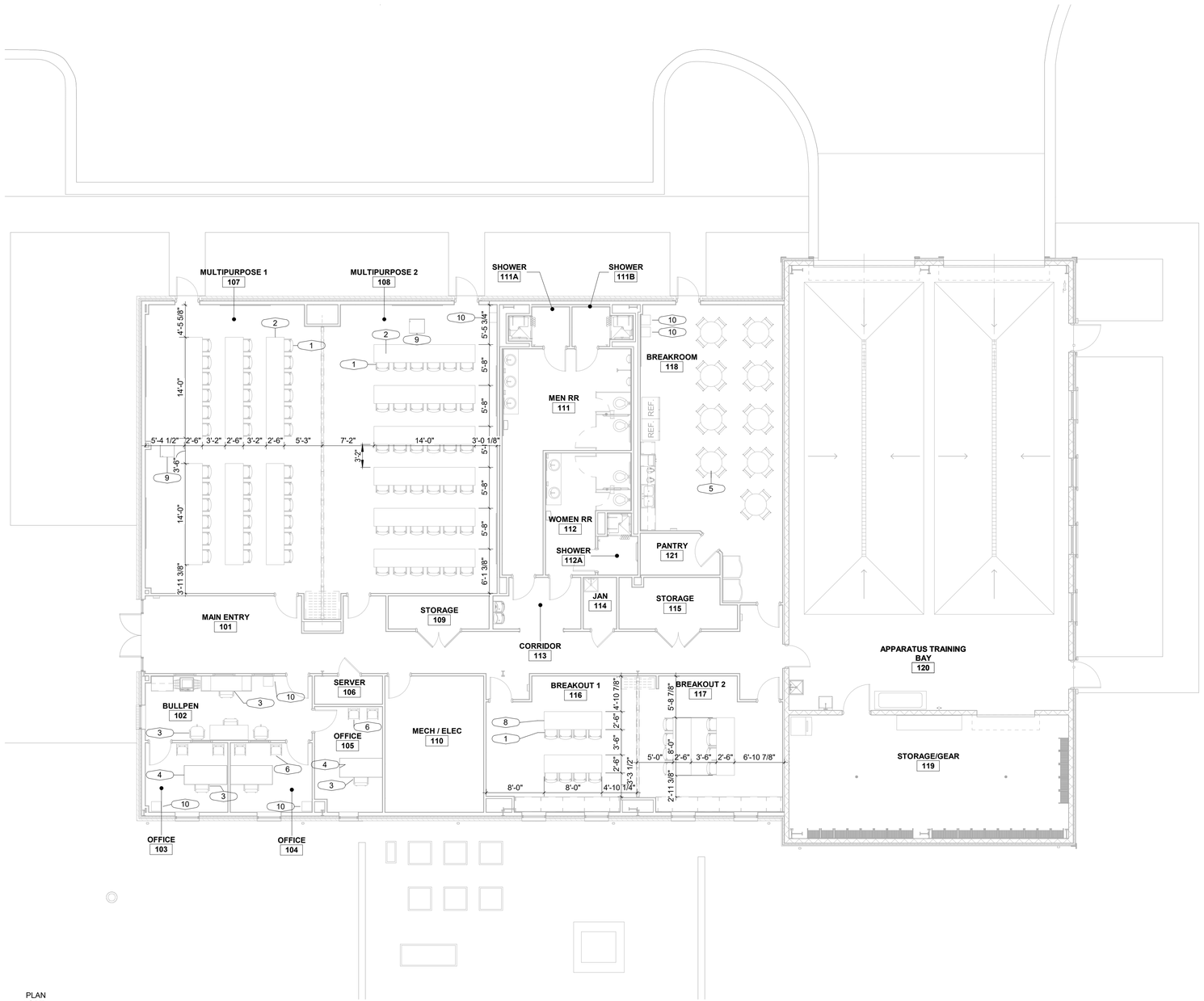
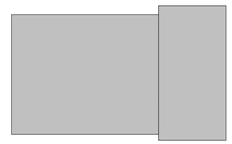
FURNITURE SCHEDULE	OFOI
1.	SIDE CHAIR WITH SWIVEL 22" X 33"
2.	30" X 168" TRAINING TABLE
3.	TASK CHAIR 27" X 37"
4.	DESK WITH STORAGE 30" X 70"
5.	36" ROUND TABLE WITH 4 SIDE CHAIRS
6.	GUEST CHAIRS 21" X 34"
7.	WIRE PANTRY SHELVING 14" D, PROVIDED BY OWNER.
8.	30" X 96" TRAINING TABLE
9.	44" H x 24" W FLOOR LECTURN, COMMERCIAL GRADE LAMINATE
10.	16" TRASH CAN
11.	13" ROUND TEAK STOOL



PLAN NORTH

1 / A10.2 FF&E COORDINATION PLAN

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



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FURNITURE, FIXTURE AND EQUIPMENT PLAN

Sheet Number

A10.2

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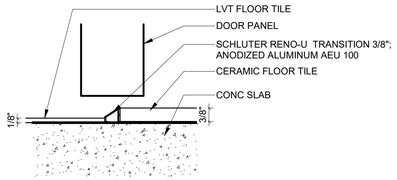
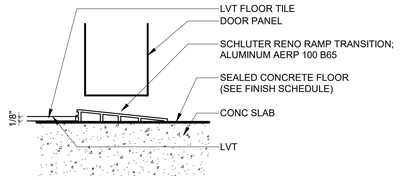


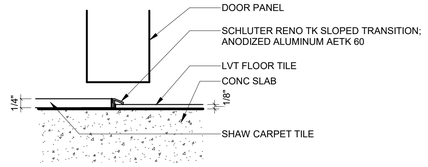
1 A10.3 LVT TO TILE TRANSITION

SCALE: 6" = 1'-0"



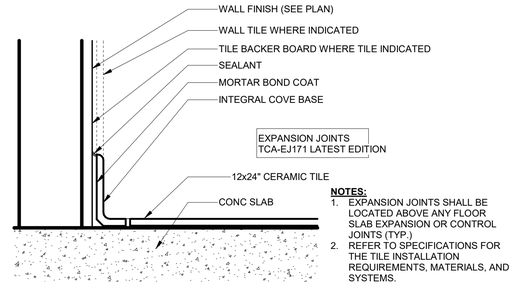
2 A10.3 LVT TO SEALED CONCRETE TRANSITION

SCALE: 6" = 1'-0"



3 A10.3 CARPET TO LVT TRANSITION

SCALE: 6" = 1'-0"



4 A10.3 TILE COVE BASE

SCALE: 3" = 1'-0"

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FLOOR TRANSITION DETAILS

Sheet Number

A10.3

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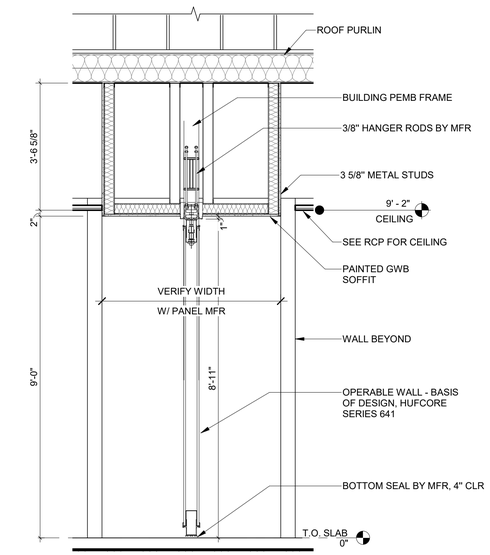
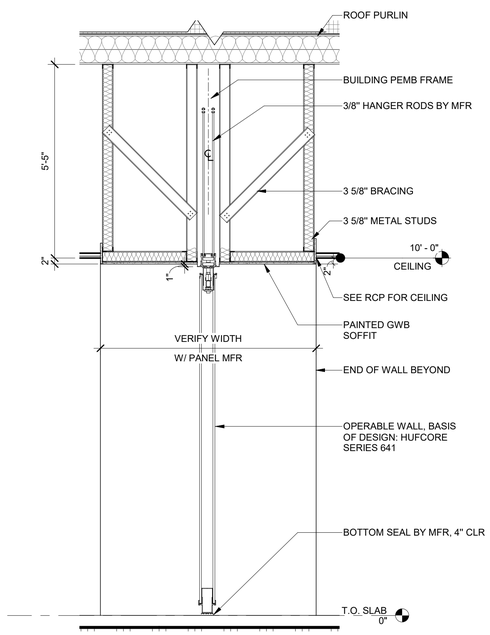


1 A10.4 ROOM DIVIDER/BREAKOUT DETAIL

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



2 A10.4 ROOM DIVIDER/CLASSROOM DETAIL

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

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number:	21-772
Date	11/03/2023
Drawn By:	JJ
Checked By:	SHA

Revisions:

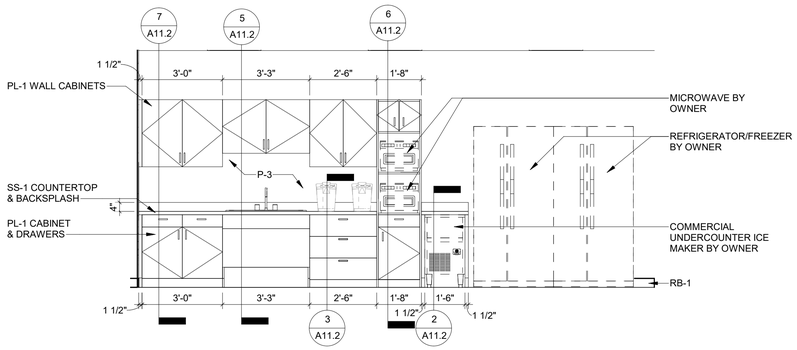
No.	Date	Description

Sheet Description

WALL DIVIDER SECTIONS

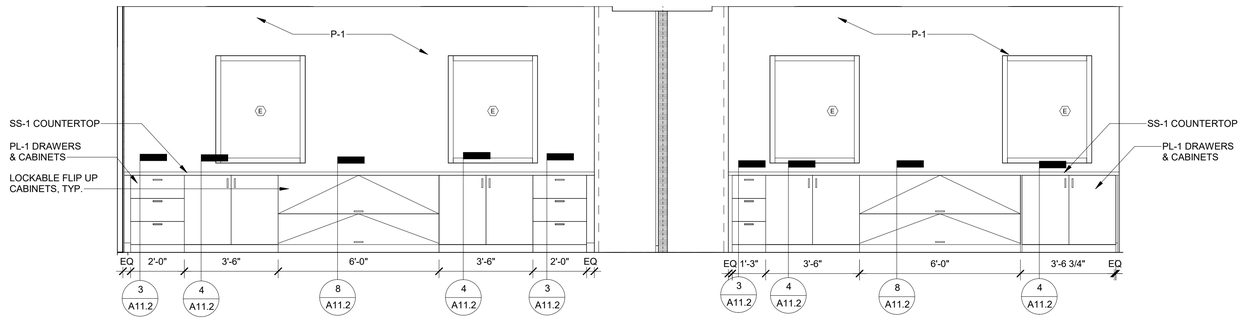
Sheet Number

A10.4



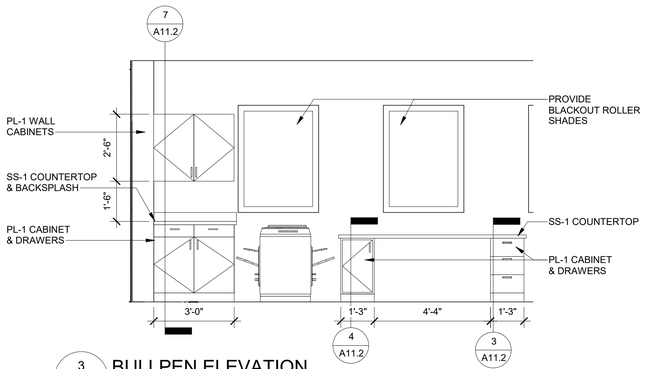
2 A11.1 BREAKROOM ELEVATION

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



1 A11.1 BREAK OUT ROOM #1 & #2 ELEVATION

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



3 A11.1 BULLPEN ELEVATION

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

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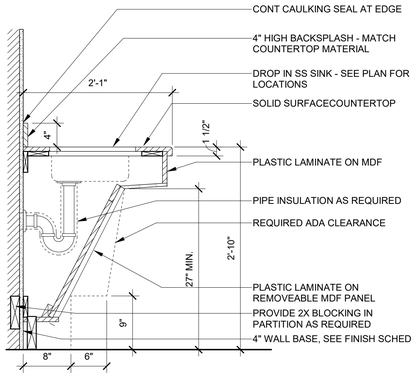
INTERIOR ELEVATIONS

Sheet Number

A11.1



1 A11.2 ADA SINK BASE SECTION

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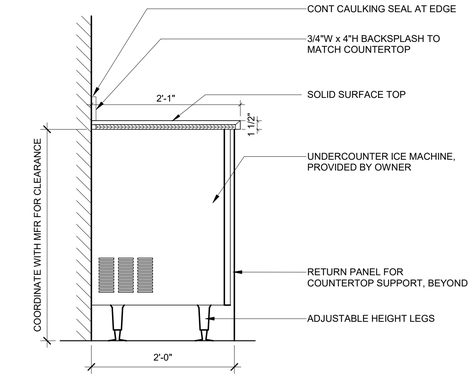
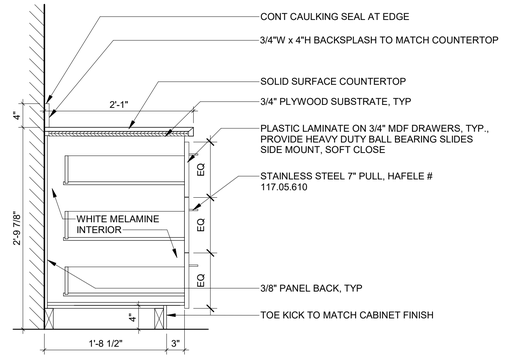


2 A11.2 UNDER COUNTER ICE MACHINE

SCALE: 1" = 1'-0"



3 A11.2 BASE CABINET w/ 3 DRAWERS

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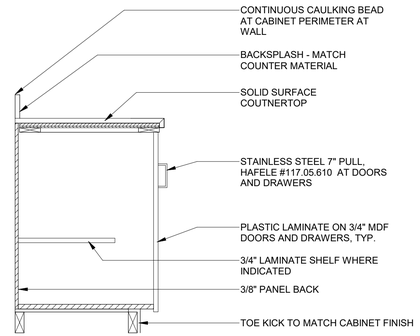
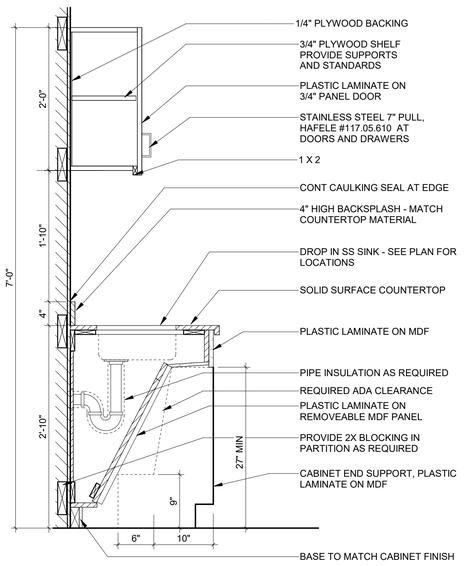


4 A11.2 BASE CABINET DETAIL

SCALE: 1" = 1'-0"



5 A11.2 BASE CABINET w/ SINK

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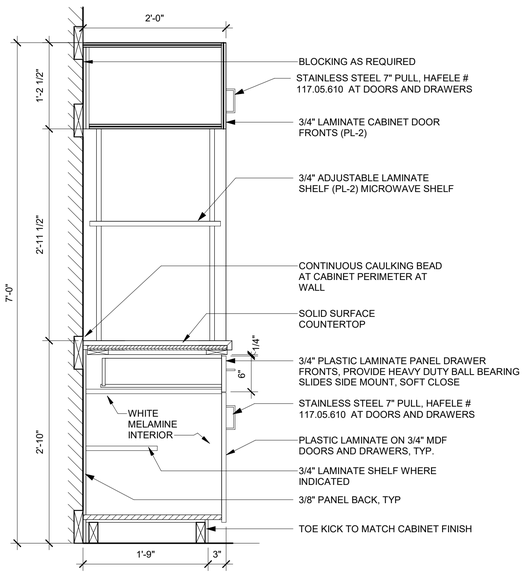
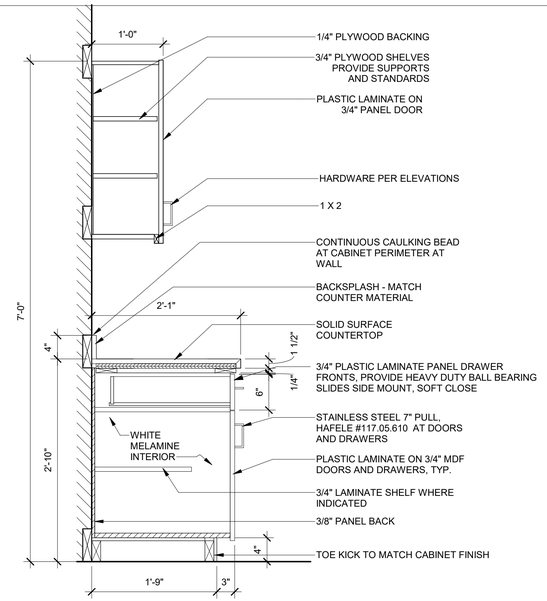


6 A11.2 MICROWAVE CABINET @ BREAK ROOM

SCALE: 1" = 1'-0"



7 A11.2 BASE CABINET STANDARD

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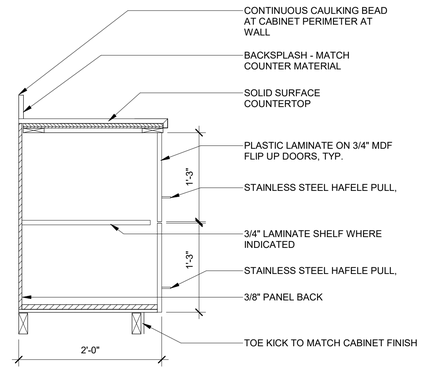

8 A11.2 FLIP UP CABINET DETAIL

SCALE: 1" = 1'-0"

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Project Number:	21-772
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Checked By:	SD

Revisions:

No.	Date	Description

Sheet Description

MILLWORK & DETAILS

Sheet Number

A11.2

PRINTED: 8/18/2023 8:41:27 AM

FILE PATH: C:\Users\MattCrow\Documents\21-722 Fayette FTB Central 23-0509_matt@2wrarch.com.rvt

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE, AND IN STRICT COMPLIANCE WITH GOVERNING MUNICIPAL CODES (CITY, STATE, AND FEDERAL).

2. ASTM SPECIFICATIONS ARE THOSE CONTAINED IN THE LATEST EDITION OF THE STANDARDS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).

3. IN THE CASE OF A CONFLICT BETWEEN THESE PROJECT SPECIFICATIONS AND/OR THOSE LISTED OR REFERENCED SPECIFICATIONS, THE MORE STRINGENT SHALL GOVERN.

4. USE ALL MEANS NECESSARY TO CONTROL DUST ON AND NEAR THE WORK AND ON AND NEAR ALL OFF-SITE BORROW AREAS IF SUCH DUST IS CAUSED BY THE CONTRACTOR'S OPERATIONS DURING PERFORMANCE OF THE WORK OR IF RESULTING FROM THE CONDITION IN WHICH THE CONTRACTOR LEAVES THE SITE.

5. THOROUGHLY MOISTEN ALL SURFACES AS REQUIRED TO PREVENT DUST BEING A NUISANCE TO THE PUBLIC, NEIGHBORS, AND CONCURRENT PERFORMANCE OF OTHER WORK ON THE SITE.

6. USE ALL MEANS NECESSARY TO PROTECT ALL MATERIALS ON THIS PROJECT BEFORE, DURING, AND AFTER INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL WORK AND MATERIALS.

7. ALL WORK SHALL BE ACCOMPLISHED IN A WORKMAN LIKE MANNER. ALL WORK SHALL BE CLEAN AND NEAT AND EASILY INSPECTED.

8. CALCULATED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

9. CONTRACTOR TO VERIFY ALL MEASUREMENTS ON JOB SITE TO ENSURE FIT.
IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SHOP DRAWINGS, AND SPECIFICATIONS NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY.

10. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

11. ALL NOTES ON STRUCTURAL DRAWINGS SHALL BE ASSUMED TYPICAL UNLESS OTHERWISE SHOWN BY OTHER DETAILS AND/OR SECTIONS.

12. SECTIONS AND DETAILS ARE TO BE USED IN ALL SIMILAR LOCATIONS UNLESS NOTED OTHERWISE ON DRAWINGS OR SPECIFICATIONS.

13. PRIOR TO FOUNDATION CONSTRUCTION, CONTRACTOR SHALL SUBMIT METAL BUILDING SHOP DRAWINGS SIGNED AND SEALED BY ENGINEER LICENSED IN THE STATE OF GA. DRAWINGS SHALL INCLUDE ALL METAL BUILDING COLUMN REACTIONS.

METAL BUILDING NOTES

1. SEE METAL BUILDING SHOP DRAWINGS FOR ALL CENTER-LINE, SETBACK, VERTICAL AND CLEAR HEIGHTS, AND MEMBER DEPTH DIMENSIONS.

2. SEE METAL BUILDING SHOP DRAWINGS FOR FRAME SHAPES AND OVERHANG REQUIREMENTS.

3. SEE METAL BUILDING SHOP DRAWINGS FOR LATERAL AND LONGITUDINAL WIND BRACING DESIGN AND LOCATIONS.

4. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING ALL ANCHOR BOLTS. SEE STRUCTURAL DETAILS FOR ANCHOR BOLT LENGTH AND EMBEDMENT REQUIREMENTS.

5. NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.

6. FIELD WELDS SHALL BE WITH E70XX ELECTRODES AND SHALL MEET AWS D1.1. WELDING SHALL BE PERFORMED BY APPROVED CERTIFIED WELDERS AND SHALL CONFORM TO THE PROVISIONS OF THE "STRUCTURAL WELDING CODE - STEEL" OF THE AMERICAN WELDING SOCIETY.

7. DO NOT USE GAS CUTTING TORCHES FOR CORRECTING FABRICATION ERRORS IN THE STRUCTURAL FRAMING.

8. CONTRACTOR TO VERIFY ALL CONDITIONS AND ALL DIMENSIONS PRIOR TO FABRICATION OF STEEL. NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DISCREPANCIES EXIST.

9. STRUCTURAL DRAWINGS ARE BASED UPON ASSUMED REACTIONS AND COLUMN LOCATIONS. CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS WITH REACTIONS AND BRACING LOCATIONS TO ENGINEER FOR REVIEW AND POSSIBLE MODIFICATION OF FOUNDATION DRAWINGS PRIOR TO CONSTRUCTION OF ANY FOUNDATIONS.

10. LIMIT METAL BUILDING DRIFT TO H/300.

11. METAL BUILDING MANUFACTURER TO INCLUDE STRUCTURAL EAVE STRUT TO CARRY LOADING FROM WALL SHEATHING MATERIAL.

12. SEE ARCH FOR LIMITING COLUMN DEPTHS.

FOUNDATION NOTES

1. ALL FOUNDATION RECOMMENDATIONS PRESENTED BY THE GEOTECHNICAL ENGINEER SHALL BE STRICTLY ADHERED TO. FOOTING SIZES AND ELEVATIONS SHOWN ARE BASED ON AN ALLOWABLE SAFE SOIL BEARING CAPACITY OF 2000 PSF. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR STRUCTURALLY COMPACTED FILL OF AT LEAST THIS WORKING CAPACITY. IF SOIL OF THIS QUALITY IS NOT FOUND AT THE ELEVATIONS INDICATED, THE FOOTING MAY NEED TO BE LOWERED OR IT'S SIZE ADJUSTED, UNDER THE DIRECTION OF THE STRUCTURAL ENGINEER.

2. FOOTINGS AND PIERS SHOWN ON PLAN ARE DIAGRAMMATIC ONLY. REFER TO SCHEDULES AND DETAILS FOR SIZE OF EACH FOOTING AND PIER.

3. ALL FILL SHALL BE SELECT STRUCTURAL FILL CLASSIFIED AS OR "ENGINEERED FILL". AFTER STRIPPING TOPSOIL FROM AREAS TO BE GRADED REMOVE ALL UNSUITABLE MATERIAL FROM EXPOSED SUB GRADE SURFACE, SUCH AS DEBRIS, TRASH OR ORGANIC MATTER. SOIL SURFACES TO RECEIVE FILL SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER BEFORE FILL IS PLACED.

4. FILL MATERIAL SHOULD BE FREE OF ORGANICS, STONE GREATER THAN ONE INCH IN DIAMETER, OR OTHER DELETERIOUS MATERIAL. ALL FILL SHALL BE PLACED IN MAXIMUM 8" UNCOMPACTED LIFTS AND COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY (ASTM D698). COMPACTION SHALL BE AT THE OPTIMUM MOISTURE CONTENT +/- 2%. THE FINAL 12 INCHES (EXISTING SOIL OR ENGINEERED FILL) SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR GUIDANCE ON FILL MATERIAL SPECIFICATIONS AND COMPACTION EQUIPMENT AND PROCEDURES.

5. ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER, AND APPROVED FOR FOOTINGS, PRIOR TO PLACING CONCRETE. ALL FOUNDATIONS SHALL BE CONCRETED PROMPTLY AFTER INSPECTION.

6. BACK FILL AGAINST WALLS SPANNING VERTICALLY SHALL NOT BE PLACED, WHERE POSSIBLE, UNTIL ALL FLOORS AGAINST THOSE WALLS ARE IN PLACE AND AT FULL DESIGN STRENGTH. IF FLOORS CANNOT BE PLACED BEFORE FILL, WALLS SHALL BE ADEQUATELY BRACED TO PREVENT OVER STRESSING OR MOVEMENT.

7. PROTECT STRUCTURAL STEEL ITEMS BELOW GRADE WITH 3" CLEAR COVER OF CONCRETE ENCASEMENT.

8. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING CONSTRUCTION TO DIRECT RAINWATER AWAY FROM FOUNDATION CONSTRUCTION AREAS.

9. COORDINATE EXTERIOR SITE WORK, INCLUDING STEPS, WALKS, WALLS AND FINISHED GRADES, WITH FOUNDATION WORK.

10. ALL SLABS SHALL BE SUPPORTED ON A 4" LAYER OF COMPACTED CLEAN, GRANULAR BASE. THE GRANULAR BASE SHALL BE COMPACTED TO AT LEAST 98% STANDARD PROCTOR DENSITY (ASTM D698). THE GRANULAR BASE SHALL BE COMPRISED OF NATURAL OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND: ASTM D 2940: WITH AT LEAST 95 PERCENT PASSING A 1-1/2" INCH SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NO. 200 SIEVE.

11. INSTALL VAPOR BARRIER UNDER SLAB IN ACCORDANCE WITH ARCHITECTURAL RECOMMENDATIONS.

12. ALL FOOTINGS SHALL BEAR A MINIMUM OF 12" BELOW EXTERIOR GRADE

CONCRETE NOTES

1. ALL DETAILING, FABRICATION AND PLACEMENT OF REINFORCING STEEL, FORM WORK, MIXING, HANDLING, PLACING, FINISHING AND CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315) AND ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318).

2. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING REINFORCING STEEL AND ACCESSORIES. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.

3. TIE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES.

4. CONCRETE SHALL CONFORM TO ASTM C94. MINIMUM STRENGTH AT 28 DAYS SHALL BE 3500 PSI FOR ALL CONCRETE, UNLESS NOTED OTHERWISE. MAXIMUM WATER-CEMENT RATIO SHALL BE 0.50, WITH MAXIMUM SLUMP 5 INCHES. MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 1 1/2 INCH. AND ALL AGGREGATES SHALL CONFORM TO ASTM C33. FLY ASH MAY BE UTILIZED UP TO 15% BY WEIGHT AND SHALL BE CLASS 'C'.

5. USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

6. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED. AIR CONTENT TO BE BETWEEN 3 AND 5 PERCENT BY VOLUME.

7. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 (S1), NEW BILLET STEEL DEFORMED BARS SHALL BE GRADE 60. WELDED WIRE FABRIC (WWF) TO MEET ASTM A185. MINIMUM WWF LAP AT SPLICES TO BE 8 INCHES.

8. PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE. SPLICE ONLY AS SHOWN OR APPROVED. STAGGER SPLICES WHERE POSSIBLE. UNLESS NOTED OTHERWISE ALL REINFORCING BAR SPLICES SHALL BE ACI CLASS B TENSION LAP SPLICES.

9. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT NEAREST THE DESCRIBED SURFACE, UNLESS OTHERWISE NOTED:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
6 OR LARGER BARS: 2 IN.
5 OR SMALLER BARS: 1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLAB AND WALLS: 1"
BEAM STIRRUPS AND COLUMN TIES: 1 1/2"

10. SEE SLAB PLAN FOR REINFORCING. WWF SHEETS ARE REQUIRED IN LIEU OF ROLLS. WELDED WIRE FABRIC SHALL BE SET ON SUPPORTS DURING CONCRETE POURING. "PULL UP" AND "WALKED IN" METHODS ARE PROHIBITED.

11. UNLESS NOTED OTHERWISE, SLABS ON GRADE SHALL HAVE EITHER CONSTRUCTION JOINTS OR SAW CUT JOINTS SPACE SO THAT THE JOINTS FORM PANELS IN THE SLAB, WITH NO SLAB PANEL GREATER THAN 225 SQUARE FEET NOR MORE THAN 15 FEET IN ANY ONE DIRECTION. INSTALL SAW CUT CONTROL JOINTS AS SOON AS THE SLAB IS CAPABLE OF BEING SAWIN WITHOUT RAVELING, BUT IN NO CASE LATER THAN 8 HOURS AFTER FINAL FINISHING HAS BEGUN.

12. INTERIOR SLAB CONCRETE SHALL RECEIVE A STEEL TROWEL FINISH. IMMEDIATELY FOLLOWING FINISHING THE CONCRETE SHALL BE PROTECTED FROM PREMATURE OR EXCESSIVE DRYING, TEMPERATURE EXTREMES AND INJURY. COORDINATE CURING PROCEDURES WITH FLOOR FINISH REQUIREMENTS. ALL CONCRETE SCHEDULED TO HAVE A STEEL TROWELED FINISH SHALL HAVE A MAXIMUM AIR CONTENT OF 3 PERCENT BY VOLUME.

13. TAKE 5 CYLINDERS OF EACH CONCRETE POUR. TEST 2 AT 7 DAYS AND 2 AT 28 DAYS. HOLD ONE CYLINDER FOR POSSIBLE TEST UNTIL 56 DAYS, THEN DISPOSE OF TEST NOT REQUESTED. SEND REPORTS TO ARCHITECT AND STRUCTURAL ENGINEER.

14. ALL CONCRETE FORM WORK SHALL HAVE A FINISHED SURFACE AND THICKNESS SUFFICIENT TO PRODUCE STRAIGHT AND TRUE SURFACES. THE SIDES OF ALL FOOTINGS SHALL BE FORMED.

15. 'C.J.' INDICATES SAWCUT CONTRACTION JOINT INSTALLED TO A DEPTH OF 'T/3' OF THE SLAB THICKNESS. INSTALL ALL CONTRACTION JOINTS AS SOON AS PRACTICAL. ALSO SEE CONCRETE NOTE 11, THIS SHEET.

COLD-FORMED STEEL NOTES

1. ALL COLD FORMED METAL STUD FRAMING, INCLUDING CLIPS & CONNECTIONS SHALL BE DESIGNED BY THE STUD MANUFACTURER. SUBMIT SHOP DRAWINGS FOR REVIEW SIGNED & SEALED BY A REGISTERED ENGINEER IN THE STATE OF GEORGIA.

2. PROVIDE BLOCKING FOR ALL TOILET PARTITIONS, HANDICAP RAILS, STAIR STRINGERS AND HANDRAILS, ALONG WITH ANY KNOWN PICTURES, ARTWORK, ETC.

3. COLD-FORMED STEEL STUDS, TRACK, AND BRIDGING SHALL BE FORMED FROM STEEL CONFORMING TO ASTM C-955 WITH A YIELD STRESS OF 33 KSI, AND SHALL CONFORM TO THE LATEST AISI REQUIREMENTS.

4. MINIMUM SPACING AND EDGE DISTANCE OF ALL SCREW FASTENERS: ¾" MINIMUM SPACING AND EDGE DISTANCE OF ALL P.A.F.'S: ¾"

5. ALL SCREWED CONNECTIONS SHALL PENETRATE THROUGH THINNER MATERIAL INTO THICKER MATERIAL.

6. SCREW LENGTH MUST BE SUCH THAT THE THREADS ARE FULLY ENGAGED IN THE BASE METAL.

7. ATTACH 1 ⅝" COLD-ROLLED CHANNEL BRIDGING TO ALL EXTERIOR WALLS AT 48" O.C. ATTACH BRIDGING TO TO WALL STUDS WITH BRIDGECLIPS BY THE STEEL NETWORK OR EQUIVALENT.

8. ATTACH ALL FASTENERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9. ALL COLD FORM MEMBERS TO BE GALVANIZED (G60 MIN)

10. PROVIDE DEFLECTION CLIPS AT THE TOPS OF ALL INFILL METAL STUD WALLS WHERE THE WALL IS CONTINUOUS TO STRUCTURE AND ATTACHED TO STRUCTURE.

11. INTERIOR PARTITION STUDS SHALL BE DESIGNED FOR A MINIMUM 5 PSF LATERAL LOADING AND L/360 DEFLECTION. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS AT ROLL UP DOORS. METAL STUD MANUFACTURER SHALL DESIGN FRAMED OPENING JAMBS AND BOX HEADERS.

MASONRY NOTES

1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (TMS 402-2016) AND "SPECIFICATION FOR MASONRY STRUCTURES" (TMS 602-2016) PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, EXCEPT AS MODIFIED BY THE CONTRACTOR DOCUMENTS.

2. CONCRETE BLOCK UNITS SHALL BE LIGHTWEIGHT OR NORMAL WEIGHT, HOLLOW, LOAD BEARING UNITS AND COMPLY WITH ASTM C90, GRADE N, WITH A MINIMUM COMPRESSIVE STRENGTH f'm OF 2000 PSI ON THE NET AREA. ALL BLOCK SHALL BE TYPE 1, MOISTURE CONTROLLED UNITS.

3. BRICK UNITS SHALL COMPLY WITH ASTM C62, GRADE SW, 6000 PSI COMPRESSIVE STRENGTH. SEE ARCHITECTURAL FOR FURTHER REQUIREMENTS REGARDING BRICK MASONRY.

4. ALL MORTAR IS TO BE IN ACCORDANCE WITH ASTM C270. UNLESS NOTED OTHERWISE, MORTAR FOR EXTERIOR AND FOUNDATION WALL MASONRY SHALL BE TYPE "S", PORTLAND CEMENT/LIME MORTAR. MORTAR FOR INTERIOR LOAD BEARING MASONRY SHALL BE TYPE S. MORTAR FOR INTERIOR NON-LOADBEARING MASONRY SHALL BE TYPE N OR S.

5. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 (S1). NEW BILLET STEEL DEFORMED BARS SHALL BE GRADE 60.

6. ALL MASONRY REINFORCING STEEL SHALL BE INSTALLED IN ACCORDANCE WITH ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCING".

7. MASONRY JOINT REINFORCEMENT IS TO COMPLY WITH ASTM A951, MILL GALVANIZED CARBON STEEL WIRE FOR INTERIOR WALLS AND HOT-DIP GALVANIZED, CARBON STEEL WIRE FOR EXTERIOR WALLS. HORIZONTAL JOINT REINFORCEMENT IS TO BE EITHER LADDER OR TRUSS TYPE WITH SINGLE PAIR OF SIDE RODS AND CROSS RODS SPACED NO MORE THAN 16" O.C. LAP REINFORCEMENT A MINIMUM OF 6". PLACE MORTAR ON JOINT REINFORCEMENT WHERE THE CAVITY WALL IS 4" OR MORE. HORIZONTAL JOINT REINFORCEMENT SHALL BE PROVIDED WITHIN 16" OF THE TOP AND BOTTOM OF WALLS. 3/16" THICK MINIMUM JOINT REINFORCING.

8. ALL ANCHOR BOLTS AND REINFORCING IN MASONRY SHALL BE COMPLETELY GROUTED. GROUT FOR COLLAR JOINTS IN WALLS SHALL BE MORTAR. GROUT FOR REINFORCING BARS AND ANHOR BOLTS SHALL BE SAND AGGREGATE CEMENT GROUT. MASONRY CELLS TO BE GROUTED SHALL BE CLEAR OF MORTAR FINS, DEBRIS OR OTHER OBSTRUCTIONS, SUCH THAT THE FLOW OF GROUT IS NOT INHIBITED.

9. ALL GROUT FOR GROUTING MASONRY BLOCK CORES SHALL BE MIN. 3000 PSI SAND AGGREGATE CEMENT GROUT, MEETING ASTM C476. SLUMP FOR THIS GROUT SHALL BE 8". MAXIMUM GROUT LIFT TO BE 5 FT. ALLOW A MINIMUM OF 24 HOURS FOR MASONRY TO SET PRIOR TO GROUTING. ROD OR VIBRATE GROUT DURING PLACEMENT TO INSURE SOLID GROUTING. ALLOW AT LEAST 15 MINUTES BETWEEN SUCCESSIVE LIFTS.

10. ALL MASONRY AND COLLAR JOINTS BELOW FINISHED FLOOR ELEVATION ARE TO BE GROUTED SOLID.

11. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATION OF MASONRY CONTROL JOINTS.

12. USE A FULL MORTAR BED FOR FIRST STARTER COURSE. USE FACE SHELL MORTAR BEDS ABOVE.

13. ALL REINFORCING BARS ARE TO BE LAPPED IN ACCORDANCE WITH
TMS 402-2016. SPLICE LENGTH TO BE 48" X BAR DIAMETER BUT NOT LESS THAN 12".

14. DURING ERECTION, COVER TOP OF WALLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. COVER PARTIALLY COMPLETED STRUCTURES WHEN WORK IS NOT IN PROGRESS.

15. DO NOT APPLY UNIFORM FLOOR OR ROOF LOADING FOR AT LEAST 12 HOURS AFTER BUILDING MASONRY WALLS.

16. DO NOT APPLY CONCENTRATED LOADS FOR AT LEAST 3 DAYS AFTER BUILDING MASONRY WALLS OR COLUMNS.

17. ALL CMU IS TO BE LAYED WITH RUNNING BONDS WITH VERTICAL JOINTS LOCATED AT CENTER OF MASONRY UNITS IN THE ALTERNATE COURSE BELOW.

18. PROVIDE CONTINUITY AT ALL WALL CORNERS BY CONFORMING TO ONE OF THE FOLLOWING:OPOSED
a. FIFTY PERCENT OF THE MASONRY UNITS SHAL INTERLOCK AT INTERFACE.
b. WALLS SHALL BE REGULARLY TOOTHED WITH 8 IN. MAXIMUM OFFSETS AND ANCHORED BY STEEL CONNECTORS WITH A MINIMUM SIZE OF ¼" x 1 ½" x 28" INCLUDING 2" LONG 90 DEGREE BEND AT EACH END TO FORM A U OR Z SHAPE. ANCHORS ARE TO BE SPACED VERTICALLY AT 4' O.C.

19. THE ADHESIVE REQUIRED FOR ANCHORAGE INTO GROUT FILLED CONCRETE MASONRY UNITS SHALL BE HILTI HIT HY 150 OR EQUAL. THE ADHESIVE REQUIRED FOR ANCHORAGE INTO HOLLOW CONCRETE UNITS SHALL BE HILI HIT HY 20 OR EQUAL. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION PROCEDURES.

20. ANCHORS USED FOR MASONRY ATTACHMENT SHALL BE STANDARD HAS ROD MATERIAL MEETING THE REQUIREMENTS OF ASTM A36. ANCHOR RODS SHALL BE FURNISHED WITH CHAMFERED ENDS. ALL RODS SHALL BE HOT DIPPED GALVANIZED

21. BRICK VENEER TO BE ATTACHED TO STRUCTURE WITH 18 GAUGE 345-BT TIE @ CMU LOCATIONS AND 16 GAUGE CORRUGATED BRICK TIE AT WOOD WALL LOCATIONS. ALL BRICK TIES TO BE GALVANIZED.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS OF LATEST EDITION:

(a) AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR DESIGN. FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (ALLOWABLE STRESS DESIGN), WHERE THE MATERIAL USED CONSISTS OF PLATES, SHAPES, OR BARS.

(b) AMERICAN IRON AND STEEL INSTITUTE SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, FOR MEMBERS WHICH ARE FORMED FROM SHEET OR STRIP MATERIAL.

2. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
PLATES, AND BARS: ASTM A36
SHAPES: ASTM A992
STRUCTURAL TUBING: ASTM A500, GRADE B (Fy=46 ksi).
HIGH STRENGTH BOLTS: ASTM A325 TC BOLTS U.N.O.
NUTS FOR HIGH STRENGTH BOLTS: ASTM A563.
WASHERS: ASTM F436.
ANCHOR BOLTS: ASTM F13H4 A36. FURNISH WITH HEAVY HEX NUTS.

3. WHEN NOT SPECIFICALLY DETAILED ON THE DESIGN DRAWINGS PROVIDE THE FOLLOWING BEAM CONNECTIONS:
a. WHERE BEAM REACTIONS ARE GIVEN, CONNECTIONS SHALL DEVELOP THE REACTIONS GIVEN.
b. WHERE BEAM REACTIONS ARE NOT GIVEN, CONNECTIONS SHALL DEVELOP END REACTIONS = 0.6W. WHERE W IS THE TOTAL UNIFORM LOAD FOR THE APPROPRIATE LENGTH AS LISTED IN AISC (9TH EDITION) ALLOWABLE LOAD TABLES.
c. WHERE REACTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT.

4. ALL BEAM TO COLUMN CONNECTIONS TO BE TWO BOLT MINIMUM, STANDARD FIELD BOLTED FRAMING CONNECTIONS USING MAX # OF ¾"Ø A325 BOLTS W/ ½" SHEAR TABS SHOP WELDED TO COLUMNS, UNLESS NOTED OTHERWISE. ALL BEAM TO BEAM CONNECTIONS SHALL BE STANDARD FIELD BOLTED CONNECTIONS USING LL3 ½x3 ½ x 5/16 AND MAX # OF ¾"Ø A325 BOLTS. ALL BASE PLATES SHALL HAVE MINIMUM 4 BOLT CONNECTIONS.

5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING MEMBER SIZES, LOCATIONS, AND SPACING FOR APPROVAL PRIOR TO MANUFACTURING. SHOP DRAWINGS SHALL BE PREPARED UTILIZING CAD SOFTWARE PROGRAMS. THE STRUCTURAL DRAWINGS MAY NOT BE REPRODUCED AS PART OF THE SHOP DRAWINGS.

6. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR DESIGN. FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS SHALL COMPLY TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, LATEST EDITION.

7. WELDS SHALL BE E70XX ELECTRODES AND SHALL MEET ASW D1.1. WELDING SHALL BE PERFORMED BY APPROVED CERTIFIED WELDERS AND SHALL CONFORM TO THE PROVISIONS OF THE "STRUCTURAL WELDING CODE - STEEL" OF THE AMERICAN WELDING SOCIETY.

8. PAINT STRUCTURAL STEEL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. SEE ARCHITECTURAL FOR TYPE AND COLOR. AT MINIMUM, STANDARD SHOP PRIMER SHALL BE APPLIED TO INTERIOR STEEL. NOTE THAT SOME AREAS WILL BE ARCHITECTURALLY EXPOSED STRUCTURAL STEEL. THESE AREAS INCLUDE, BUT ARE NOT LIMITED TO: THE CONNECTOR FRAMING, THE CONNECTOR BRIDGE, NORTH EAST CORNER ENTRANCE EXPOSED STRUCTURAL STEEL. CONNECTIONS AND PAINTING OF THESE AREAS SHALL BE TREATED AS AESS.

9. NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.

10. CONTRACTOR TO VERIFY ALL CONDITIONS AND ALL DIMENSIONS PRIOR TO FABRICATION OF STEEL. NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DISCREPANCIES EXIST.

11. PROVIDE TEMPORARY BRACING OF STRUCTURAL FRAMING UNTIL ALL PERMANENT BRACING, MOMENT CONNECTIONS, AND FLOOR AND ROOF DECKS (DIAPHRAGMS) ARE COMPLETELY INSTALLED.

12. ALL WELDS TO BE TYPICAL UNLESS OTHERWISE NOTED

FRAMING NOTES

THIS BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE.

ROOF DESIGN LIVE LOAD = 20 PSF (UNREDUCED)
DEAD LOADS:
METAL BUILDING COLLATERAL DEAD LOAD = 5 PSF
TOP CHORD DEAD LOAD WOOD TRUSSES = 10 PSF
BOTTOM CHORD DEAD LOAD WOOD TRUSSES = 10 PSF
SNOW LOADS:
FLAT-ROOF SNOW LOAD Pf = 5 PSF
SNOW EXPOSURE FACTOR Ce = 1.0
SNOW LOAD IMPORTANCE FACTOR I = 1.0
THERMAL FACTOR Ct = 1.0

WIND LOADS:
ULTIMATE WIND SPEED (3 SECOND GUST) = 117 MPH
OCCUPANCY CATEGORY = III
WIND EXPOSURE CATEGORY B
APPLICABLE INTERNAL PRESSURE COEFFICIENT = ±0.18
WIND FORCES ARE CALCULATED USING THE ENVELOPE PROCEDURE

SEISMIC LOADS:
SPECTRAL RESPONSE COEFFICIENTS
SDS & SD1 = 0.129g & 0.113g RESPECTIVELY
SITE CLASS D
BASIC SEISMIC-FORCE-RESISTING SYSTEM IS MOMENT FRAMES.
SEISMIC DESIGN CATEGORY B
RISK CATEGORY III

DEAD LOADS:
ROOF DECK = PER METAL BLDG. MANUFACTURER
COLLATERAL = 8 psf

STEEL LINTEL SCHEDULE:

FOR EACH 4" THICKNESS OF WALL, THE FOLLOWING ITEMS SHALL BE USED AT THE LOWER TWO LEVELS OF BUILDING:

STEEL (FOR BRICK WORK)

2'-0" - 5'-0"	L4"X 3 ½"X5/16" LLV
5'-0" - 6'-0"	L4"X3 ½"X 5/16" LLV
6'-0" - 7'-0"	L5"X3 ½"X 5/16" LLV
7'-0" - 8'-0"	L5"X3 ½"X ⅜" LLV
8'-0" - 9'-0"	L6"X3 ½" X ⅜" LLV
9'-0" - 12'-9"	L7"X4"X ⅜" LLV

1. WHERE LINTEL BUTTS A FRAME OR ENDWALL COLUMN, PROVIDE SHELF ANGLE WELDED TO METAL BUILDING COLUMN TO PICK UP LINTEL.

2. LINTELS SHALL BEAR 8" MINIMUM EACH END UNLESS NOTED OTHERWISE AT L7"X4" BEAR 12" MIN. EACH END.

3. GROUT SOLID BETWEEN BACK TO BRICK AND ANGLE.

4.SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS AT ALL STRUCTURAL SECTIONS AND DETAILS.

5. ALL LOOSE LINTEL SHALL BE HOT DIPPED GALVANIZED.

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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

GEORGIA REGISTERED NO. 26510 ENGINEER JEREMY B. WRIGHT

Project Number:	21-772
Date	11/03/2023
Drawn By:	ASH
Checked By:	DS
Revisions:	

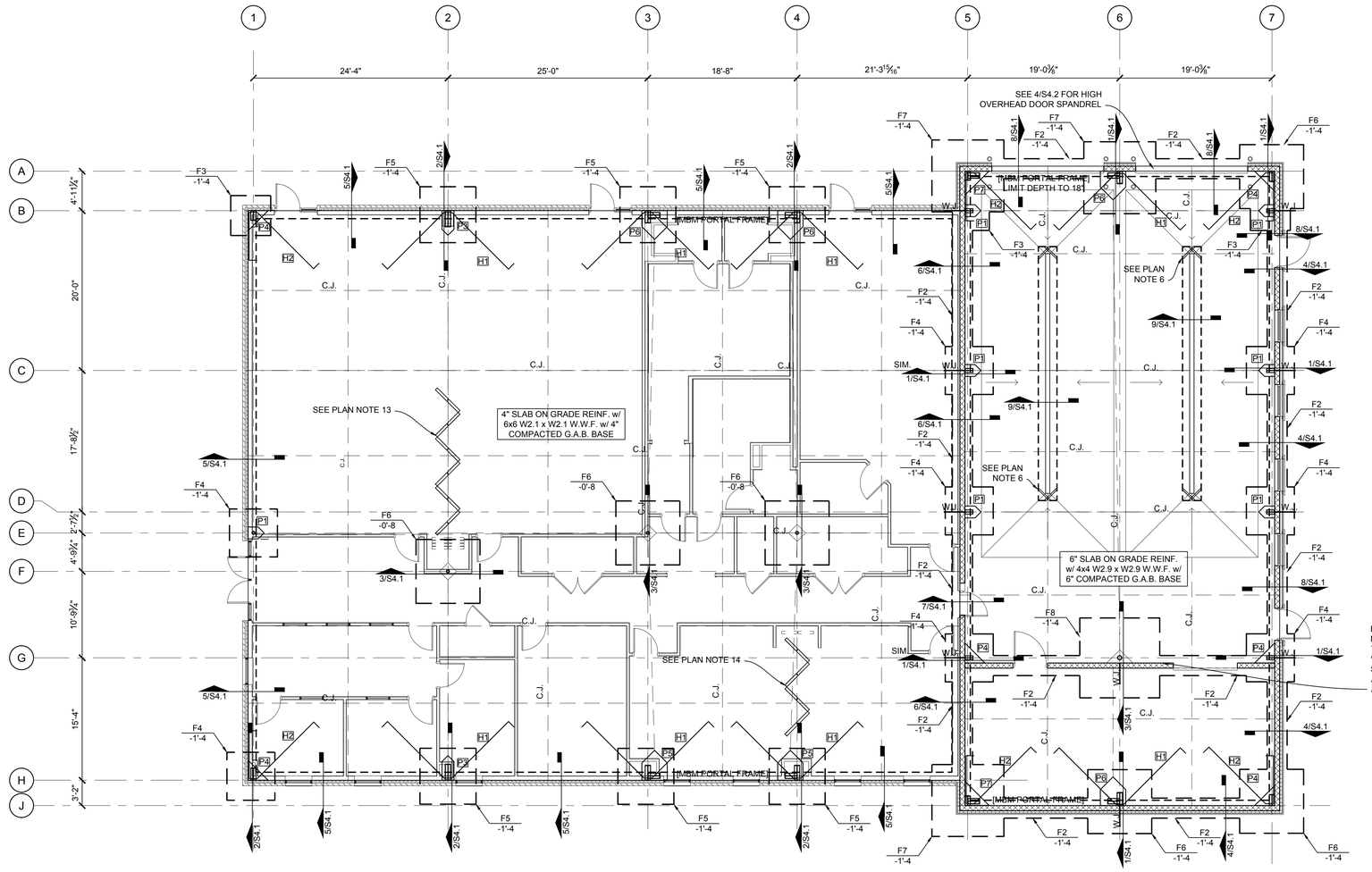
No.	Date	Description

Sheet Description

NOTE SHEET

Sheet Number

S0.1



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

FOUNDATION PLAN NOTES:

1. VERIFY ALL DIMENSIONS w/ ARCH. DRAWINGS.
2. FOUNDATION DESIGN SHOWN IS PRELIMINARY AND SUBJECT TO CHANGE. SUBMIT FINAL SIGNED AND SEALED METAL BUILDING SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.
3. "C.J." ON PLAN INDICATES LOCATIONS OF SAW CUT CONTROL JOINTS. SEE DETAILS 9 & 10/S4.2.
4. VERIFY ALL SLAB SLOPES AND DEPRESSIONS W/ ARCHITECTURAL DRAWINGS.
5. SEE CIVIL DRAWINGS FOR ALL EXTERIOR SLAB ON GRADE.
6. PROVIDE (2) #3x3'-0 LONG BARS AT ALL REENTRANT CORNERS IN SLABS.
7. PIER SIZES SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE BASED ON FINAL METAL BUILDING COLUMN AND PORTAL FRAME DESIGN. SUBMIT FINAL SIGNED AND SEALED SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.
8. P# ON PLAN DENOTES PIER TYPE. SEE DETAILS FOR SIZE & REINFORCING. TOP OF PIER = 0'-0" U.N.O.
9. H# ON PLAN DENOTES HAIRPIN TYPE. SEE DETAILS FOR SIZE.
10. FOR ALL DOORS AND WINDOWS IN CMU WALLS UP TO 6'-0" WIDE, PROVIDE 8" CMU BOND BEAM LINTEL REINFORCED w/ (2) #5's. U.N.O. BEAR MIN. 8" EACH SIDE. FOR OPENINGS GREATER THAN 6'-0" UP UP TO 9'-0" WIDE, PROVIDE 16" DEEP LINTEL REINFORCED WITH (2) # 5's AND BEAR 16" EACH SIDE. SEE DETAILS.
11. PROVIDE 8" CMU BOND BEAM LINTEL REINFORCED w/ (2) #5's AT THE TOP OF ALL CMU WALLS. METAL BUILDING MANUFACTURER TO DESIGN AND PROVIDE SPANDREL BEAMS AT THE TOP OF ALL MASONRY WALLS.
13. METAL BUILDING MANUFACTURER TO DESIGN RIGID FRAME AT NOTED LOCATION FOR 5,000 LB 42' LONG FOLDING PARTITION. CONTRACTOR TO VERIFY LOADING AND LOCATION/LOADING PRIOR TO FINAL METAL BUILDING SHOP DRAWING SUBMITTAL.
14. METAL BUILDING MANUFACTURER TO DESIGN RIGID FRAME AT NOTED LOCATION FOR 2,000 LB 20' LONG FOLDING PARTITION. CONTRACTOR TO VERIFY LOADING PRIOR TO FINAL METAL BUILDING SHOP DRAWING SUBMITTAL.
15. ALL METAL STUDS SHALL BE DESIGNED BY THE METAL STUD MANUFACTURER. PROVIDE SHOP DRAWING AND CALCULATIONS FOR REVIEW SIGNED AND SEALED BY A LICENSED ENGINEER IN THE STATE OF GEORGIA. CONTRACTOR TO COORDINATE ALL METAL STUD DESIGNS WITH ENTRY CANOPY DESIGNS AND REACTIONS.
16. ALL CANOPIES SHALL BE DESIGNED BY THE MANUFACTURER. PROVIDE SHOP DRAWING AND CALCULATIONS FOR REVIEW SIGNED AND SEALED BY A LICENSED ENGINEER IN THE STATE OF GEORGIA.
17. INSTALL CONTROL JOINTS IN MASONRY WALLS AT EACH COLUMN LOCATIONS AND NO GREATER THAN 25'-0 APART. SEE DETAILS.
18. ▨ DENOTES 8" CMU WALLS REINFORCED w/ #5's @ 24"o.c. & HORIZONTAL JOINT REINFORCING @ 16"o.c..
19. SEE DETAIL 5/S4.2 FOR SPANDREL ATTACHMENT TO CMU WALL.

FOOTING SCHEDULE			
MARK NO.	SIZE / DESCRIPTION	REINFORCING	REMARKS
F1	1'-8" x1'-4" THK. TURN DOWN	(3) #5's LONG. w/ #5's @ 24"o.c. LAT.	REINFORCE BOTTOM ONLY
F2	2'-6" STRIP x1'-0" THK.	(3) #5's LONG. w/ #5's @ 24"o.c. LAT.	REINFORCE BOTTOM ONLY
F3	5'-0 SQ. x1'-6" THK.	#5's @ 8"o.c.e.w.	REINFORCE TOP & BOTTOM
F4	6'-0 SQ. x1'-6" THK.	#5's @ 8"o.c.e.w.	REINFORCE TOP & BOTTOM
F5	7'-0 SQ. x1'-6" THK.	#6's @ 12"o.c.e.w.	REINFORCE TOP & BOTTOM
F6	8'-0 SQ. x1'-6" THK.	#6's @ 12"o.c.e.w.	REINFORCE TOP & BOTTOM
F7	9'-0 SQ. x1'-6" THK.	#6's @ 12"o.c.e.w.	REINFORCE TOP & BOTTOM
F8	10'-0 SQ. x1'-6" THK.	#6's @ 12"o.c.e.w.	REINFORCE TOP & BOTTOM
F9	SEE PLAN x1'-6" THK.	#6's @ 12"o.c.e.w.	REINFORCE TOP & BOTTOM
F10	3'-0 SQ. x1'-6" THK.	#5's @ 8"o.c.e.w.	REINFORCE TOP & BOTTOM

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FOUNDATION PLAN

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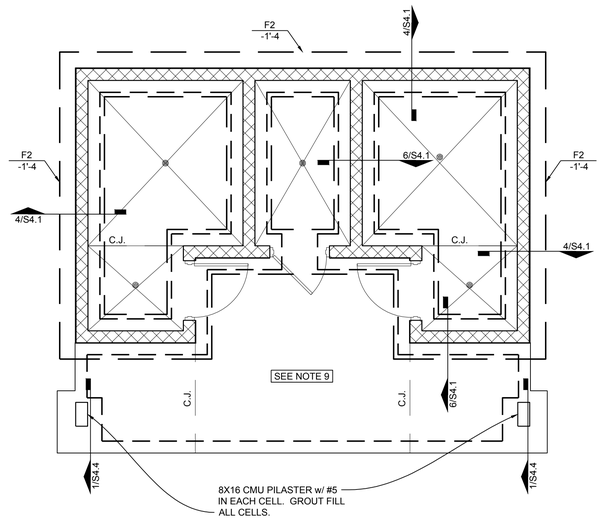
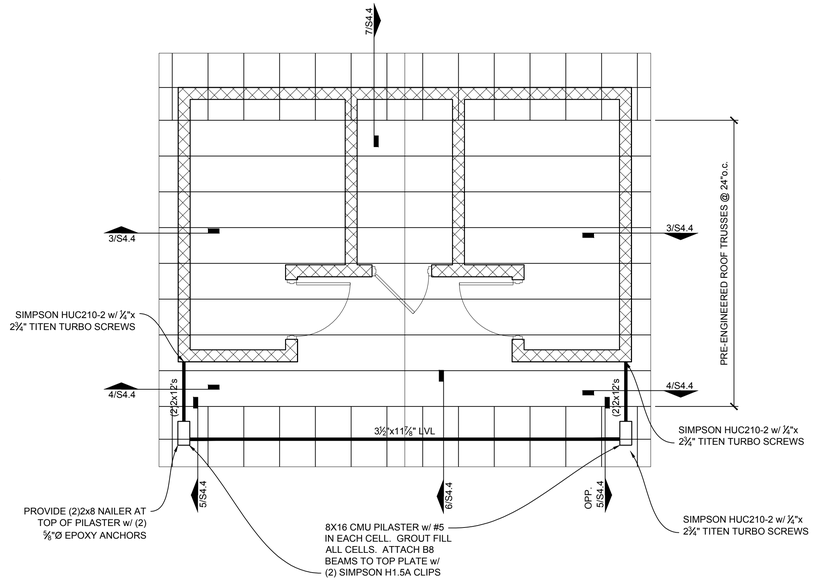
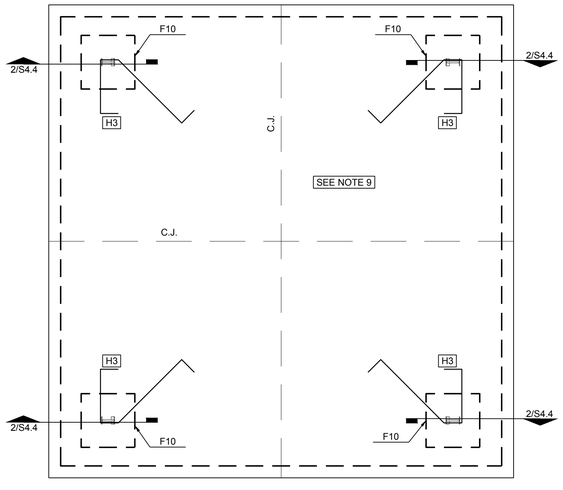


1 FOUNDATION PLAN
SCALE: 1/4"=1'-0 Restroom Building



2 FOUNDATION PLAN
SCALE: 1/4"=1'-0 Restroom Building



3 FOUNDATION PLAN
SCALE: 1/4"=1'-0 Pavilion

PLAN NOTES:

1. VERIFY ALL DIMENSIONS w/ ARCH. DRAWINGS.

2. FOUNDATION DESIGN SHOWN IS PRELIMINARY AND SUBJECT TO CHANGE. SUBMIT FINAL SIGNED AND SEALED METAL BUILDING SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

3. "C.J." ON PLAN INDICATES LOCATIONS OF SAW CUT CONTROL JOINTS. SEE DETAILS 9 & 10/S4.2.

4. VERIFY ALL SLAB SLOPES AND DEPRESSIONS W/ ARCHITECTURAL DRAWINGS.

5. SEE CIVIL DRAWINGS FOR ALL EXTERIOR SLAB ON GRADE.

6. FOR ALL DOORS AND WINDOWS IN CMU WALLS UP TO 6'-0" WIDE, PROVIDE 8" CMU BOND BEAM LINTEL REINFORCED w/ (2) #5's. U.N.O. BEAR MIN. 8" EACH SIDE. FOR OPENINGS GREATER THAN 6'-0" UP UP TO 9'-0" WIDE, PROVIDE 16" DEEP LINTEL REINFORCED WITH (2) # 5's AND BEAR 16" EACH SIDE. SEE DETAILS.

7. PROVIDE 8" CMU BOND BEAM LINTEL REINFORCED w/ (2) #5's AT THE TOP OF ALL CMU WALLS.

8. ▨ DENOTES 8" CMU WALLS REINFORCED w/ #5's @ 24"o.c. & HORIZONTAL JOINT REINFORCING @ 16"o.c.

9. 4" SLAB ON GRAD REINFORCED w/ 6x6 W2.9 x W2.9 W.W.F.

GENERAL WOOD FRAMING NOTES

1. THE MINIMUM GRADE OF LUMBER USED FOR LIGHT FRAME CONSTRUCTION SHALL BE NO. 2 GRADE. ALSO SEE SCHEDULES FOR FURTHER INFORMATION.

3. ALL LUMBER AND WOOD STRUCTURAL PANEL MEMBERS, INCLUDING PRESERVATIVE-TREATED, 2-INCH THICK AND LESS SHALL CONTAIN NOT MORE THAN 19% MOISTURE AT THE TIME OF PERMANENT INCORPORATION IN A BUILDING OR STRUCTURE.

4. ALL CONSTRUCTION PRACTICES AND FRAMING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 2308 OF THE INTERNATIONAL BUILDING CODE.

5. FASTENING OF GYPSUM BOARD CEILING SHALL BE IN ACCORDANCE WITH TABLE 2508.6 OF THE INTERNATIONAL BUILDING CODE.

6. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THOSE SPECIFIED IN TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE. WHERE NAILS OF A TYPE OTHER THAN THOSE SHOWN IN THE TABLE ARE USED, THE NUMBER AND SPACING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.

7. FASTENINGS FOR PRESERVATIVE-TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER. FASTENINGS FOR WOOD FOUNDATIONS SHALL BE AS REQUIRED IN AF&PA TECHNICAL REPORT NO. 7.

11. ROOF DECKING SHALL BE EXPOSURE 1 APA RATED, SHEATHING WITH A MINIMUM 32/16 SPAN RATING. ALL PANEL EDGES SHALL BE SUPPORTED WITH PANEL EDGE CLIPS AT MID-SPAN OR 2x4 BLOCKING. SEE DETAILS.

13. LAMINATED VENEER LUMBER SHALL BE 2.0E MICROLAM LVL FOR INTERIOR BEAMS BY TRUSJOIST (WEYERHAUSER) OR EQUAL.

14. ALL NOMINAL SIZE EXTERIOR EXPOSED FRAMING SHALL BE PRESSURE TREATED. ALL DIMENSIONAL MANUFACTURED EXTERIOR EXPOSED LUMBER SHALL BE WOLMANIZED.

15. ALL SILL PLATES AND LUMBER IN CONTACT WITH CONCRETE OR MASONRY AND EXPOSED LUMBER SHALL BE PRESSURE-TREATED PER AWPA SPECIFICATIONS.

16. WOOD JOIST AND RAFTER CONNECTIONS SHALL BE MADE WITH JOIST HANGERS UNLESS NOTED OTHERWISE ON PLANS. SEE TYPICAL DETAILS.

21. ALL DIMENSIONAL JOIST/BEAM/HEADER FRAMING SHALL BE #2 MIXED SOUTHERN PINE.

22. ALL PLATE MATERIAL SHALL BE #2 MIXED SOUTHERN PINE

23. EXPOSED ENGINEER LUMBER BEAMS SHALL BE PRESSURE-TREATED PSL HAVING A MAXIMUM MOISTURE CONTENT OF 28% (SERVICE LEVEL 2). ALL EXTERIOR BALCONY AND BREEZEWAY FRAMING BEAMS, JOISTS AND LEDGERS TO BE PRESSURE-TREATED LUMBER.

WOOD TRUSS NOTES

1. METAL PLATE CONNECTED WOOD TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ANSO/TP1 1, NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION.

2. WOOD ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED BY A MEMBER FIRM OF THE TRUSS PLATE INSTITUTE TO CARRY THE FULL DEAD AND LIVE LOADS AT THE INDICATED SPACINGS AND SPANS.

3. CONNECTIONS BETWEEN TWO OR MORE WOOD MEMBERS, ALL OF WHICH ARE DESIGNED OR SPECIFIED BY THE TRUSS DESIGNER, SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS DESIGNER. CONNECTIONS BETWEEN TWO OR MORE WOOD MEMBERS, ONE OR MORE OF WHICH ARE NOT DESIGNED OR SPECIFIED BY THE TRUSS DESIGNER, SHALL BE DESIGNED AND SPECIFIED BY THE BUILDING DESIGNER. EXCEPTION TO THIS IS ALL TRUSS TO BEAM CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS DESIGNER. CONTRACTOR TO NOTIFY BUILDING DESIGNER OF ANY REQUIREMENTS AND SHALL ALLOW APPROPRIATE TIME FOR BUILDING DESIGNER TO DESIGN REQUIRED CONNECTION.

4. ENGINEERING DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO MANUFACTURING. DRAWINGS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.

5. SEE FRAMING NOTES FOR TRUSS DESIGN LOADS

6. ALL SHAPES AND SLOPES SHALL BE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS. COORDINATE WOOD TRUSS TAILS, CANTILEVERS, AND END DIMENSIONS WITH ARCHITECTURAL WALL SECTIONS AND EAVE DETAILS.

7. PERMANENT BRACING OF TRUSS MEMBERS IS TO BE LOCATED BY THE TRUSS MANUFACTURER. BRACING IS TO BE CONNECTED USING (2) 16D COMMON NAILS AT EACH MEMBER. CROSS AND DIAGONAL BRACES ARE TO RUN AT APPROXIMATELY 45 DEGREE ANGLES.

8. TEMPORARY TRUSS BRACING DURING CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR TO INSURE THAT ALL TRUSSES ARE STABLE AND PLUMB DURING INSTALLATION.

9. THE TOP CHORDS OF THE ROOF TRUSSES WILL BE BRACED BY THE ROOF SHEATHING.

10. THE CONTRACTOR SHALL REVIEW AND APPROVE THE TRUSS PLACEMENT PLAN AND EACH TRUSS DESIGN DRAWING FOR CONFORMANCE WITH THE REQUIREMENTS AND INTENT OF THE CONSTRUCTION DESIGN DOCUMENTS, AND THE EFFECT OF THE TRUSS PLACEMENT PLAN AND EACH TRUSS DESIGN DRAWING ON OTHER TRADES INVOLVED IN THE CONSTRUCTION OF THE STRUCTURE AND THE EFFECT OF THE OTHER TRADES ON THE TRUSSES.

11. TRUSSES SHALL BE SHIPPED AND STORED IN SUCH A WAY SO AS TO PREVENT DAMAGE, WARPING, AND PROLONGED EXPOSURE TO WEATHERING ELEMENTS THAT CAN REDUCE THE STRUCTURAL INTEGRITY OF THE TRUSSES.

12. UNLESS NOTED OTHERWISE, ALL FASTENING TO STRUCTURAL WOOD SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE. SEE ROOF TRUSS CONNECTION SCHEDULE FOR CLIP REQUIREMENTS AT EACH END OF TRUSS.

13. THE FOLLOWING INFORMATION MUST ALSO BE SUPPLIED ON TRUSS SHOP DRAWINGS:

A. SPECIES OF THE THE LUMBER USED TO FABRICATE ALL TRUSS TYPES.
B. NOMINAL DIMENSIONS OF ALL TRUSS MEMBERS.
C. UNIFORM LIVE AND DEAD LOAD MAGNITUDE, INCLUDING ALL CONCENTRATED LOAD MAGNITUDES (FROM COLUMNS, BEARING PARTITIONS, ETC.) AND THEIR LOCATION.
D. MAGNITUDE OF FORCES IN ALL MEMBERS FOR EACH CRITICAL LOAD CASE.
E. BRIDGING AND BRACING DETAILS AND LOCATIONS INCLUDING PERMANENT LATERAL BRACING.
F. INTERMEDIATE AND END BEARING DETAILS AND OTHER DETAILS OF STRUCTURAL CONNECTIONS NOT ADDRESSED ON STRUCTURAL OR ARCHITECTURAL PLANS.
G. ERECTION PLANS IDENTIFYING INDIVIDUAL TRUSSES SHOWN AND DETAILED ON SHOP DRAWINGS.
H. SUPPORT REACTIONS FOR ALL LOADING CASES.
J. ALL CONNECTIONS FOR REACTIONS GREATER THAN THE CAPACITIES OF CONNECTORS SHOWN IN THE STRUCTURAL SCHEDULE.

14. TRUSS PLANS SHALL BE AVAILABLE ON JOB SITE DURING THE TIMES OF INSPECTION. THESE DRAWINGS SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

15. ROOF TRUSS LAYOUTS MUST BE FOLLOWED UNLESS ENGINEER APPROVES CHANGES PRIOR TO SHOP DRAWING SUBMITTAL. ALL LOADS GENERATED FROM THESE LAYOUTS ARE TRACKED DOWN TO FOUNDATION. CHANGES TO THE LAYOUT THAT ARE MORE EFFICIENT IN REGARD TO ROOF TRUSSES ARE NOT NECESSARILY MORE EFFICIENT TO THE PROJECT AS A WHOLE.

20. ROOF TRUSSES SHALL MEET THE FOLLOWING DEFLECTION REQUIREMENTS:
LIVE LOAD = L/360 OR ½" WHICHEVER IS MORE STRINGENT.
TOTAL LOAD = L/240 OR 1" WHICHEVER IS MORE STRINGENT.

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FOUNDATION PLAN

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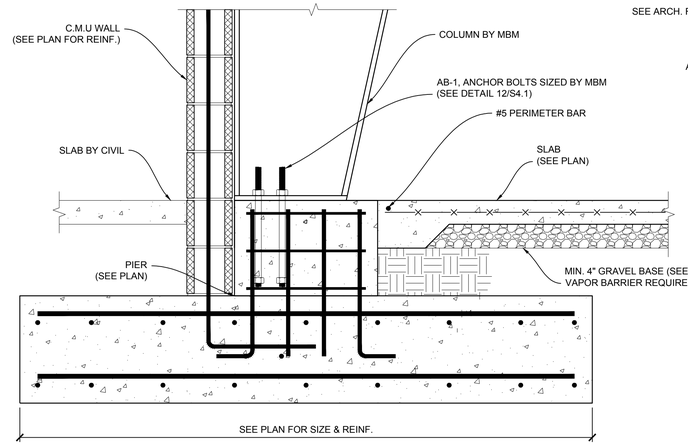
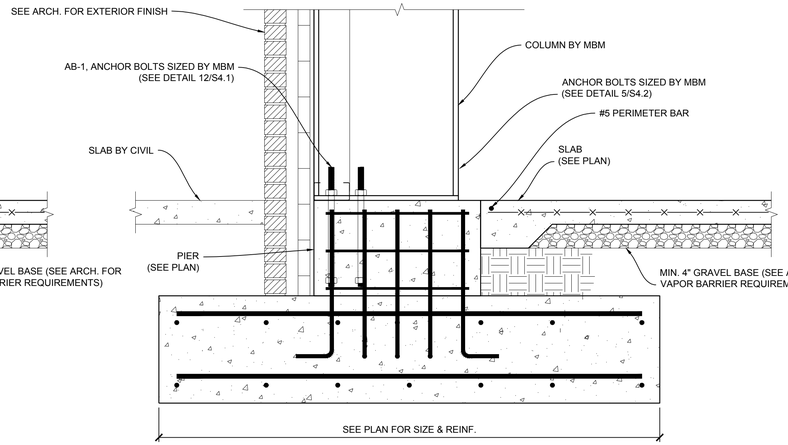


1 FOUNDATION SECTION
SCALE: 1"=1'-0



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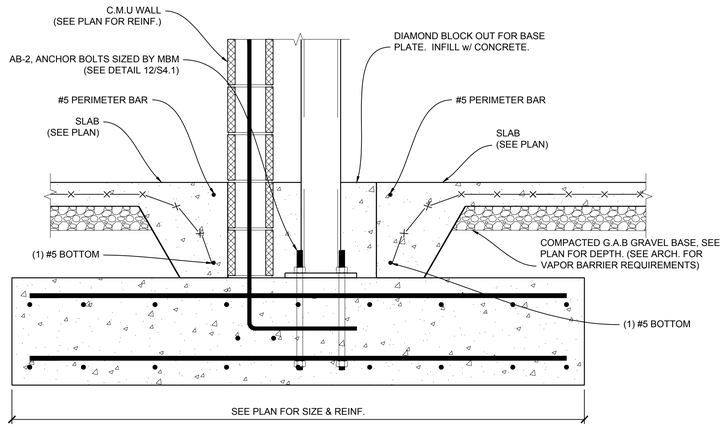

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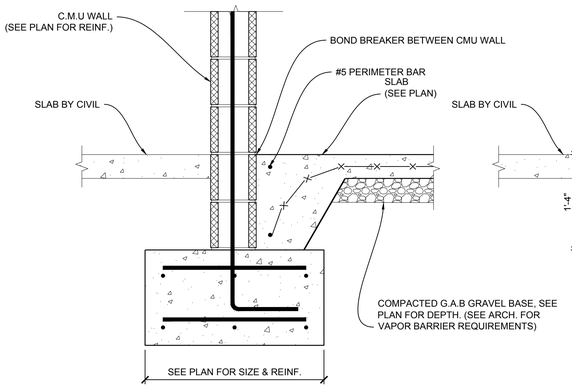

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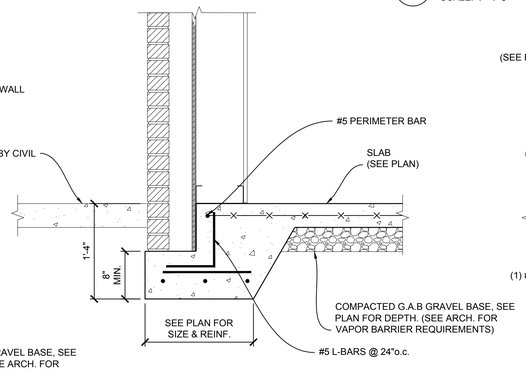

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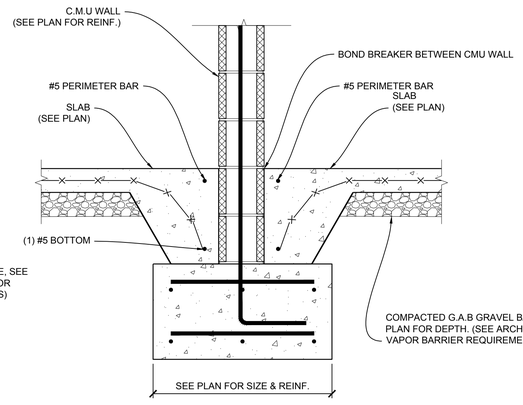

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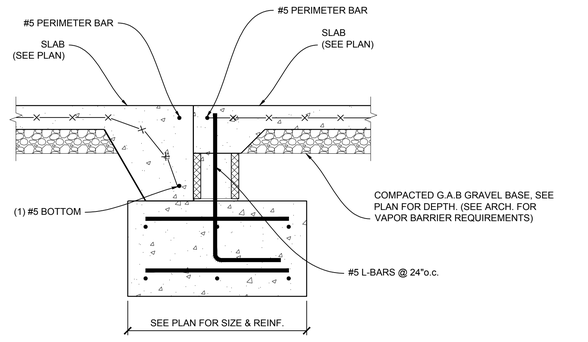

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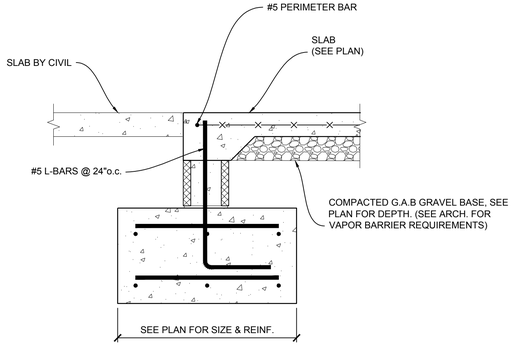

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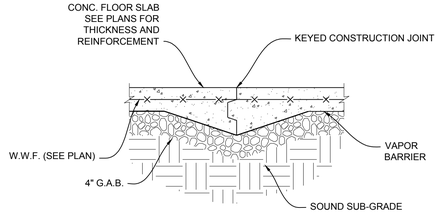

9 TYP. CONSTRUCTION JOINT
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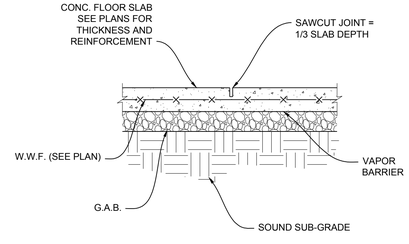

10 TYP. CONTRACTION JOINT
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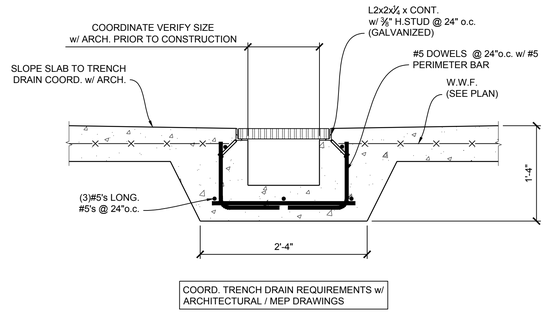

11 FOUNDATION SECTION
SCALE: 1"=1'-0

2WR + PARTNERS
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FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

GEORGIA REGISTERED No. 26519 ENGINEER JEREMY B. WRIGHT

Project Number:	21-772
Date	11/03/2023
Drawn By:	ASH
Checked By:	DS

Revisions:

No.	Date	Description

Sheet Description

FOUNDATION DETAILS

Sheet Number

S4.1

WRIGHT ENGINEERING, LLC
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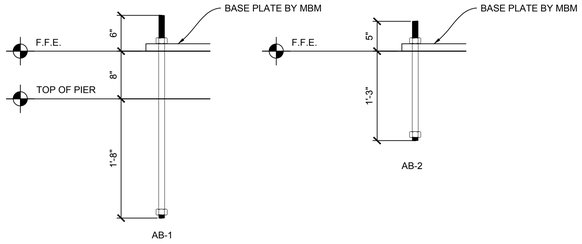

1 ANCHOR BOLT DETAIL
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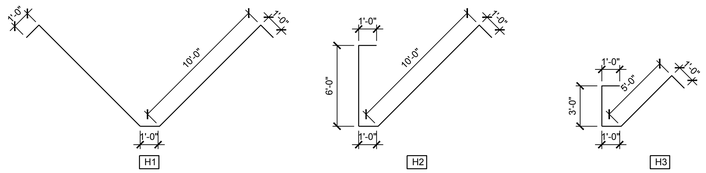

ALL HAIRPINS TO BE #5

2 HAIRPIN DETAILS
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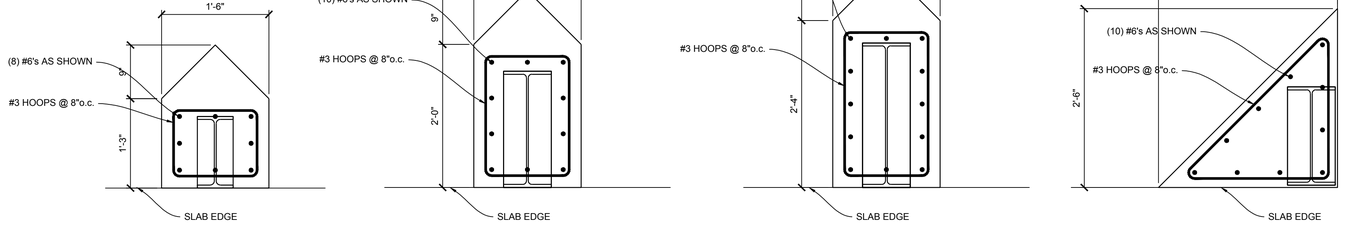
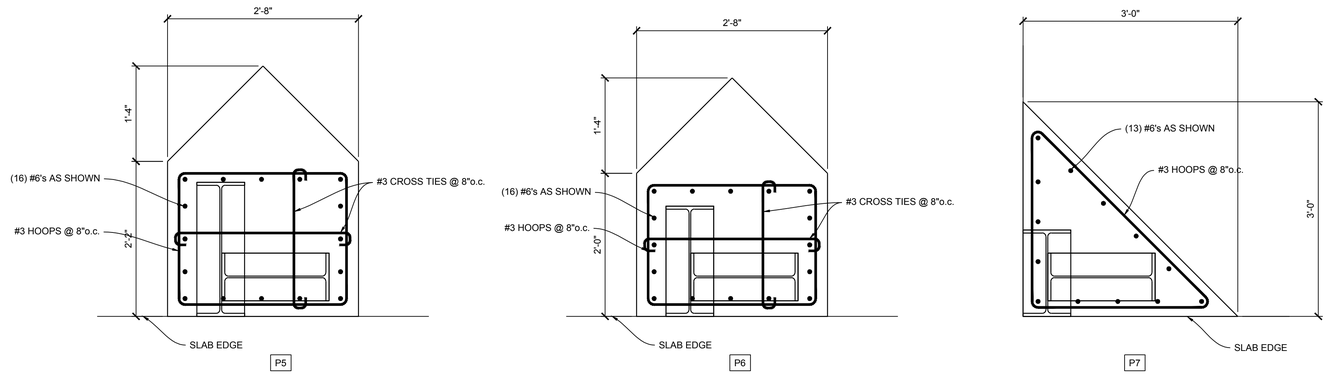
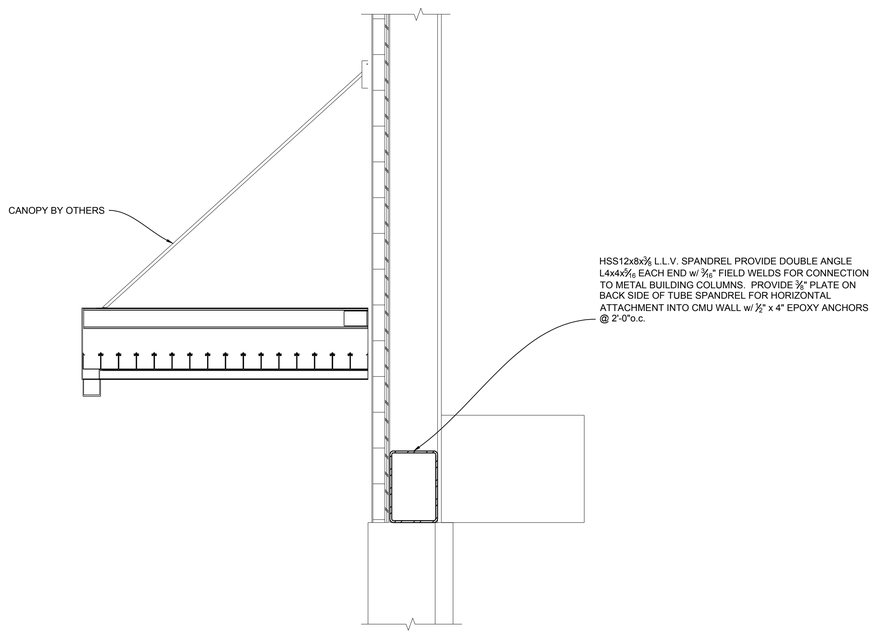




NOTE: CONTRACTOR TO COORDINATE PIER SIZES WITH METAL BUILDING COLUMN SIZES

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



4 GARAGE DOOR SPANDREL
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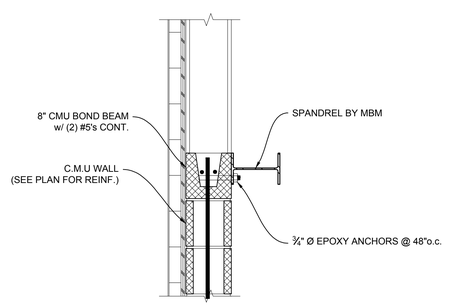

5 SPANDREL ATTACHMENT DETAIL
SCALE: N.T.S.

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FAYETTE COUNTY FIRE TRAINING BUILDING

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GEORGIA REGISTERED No. 26510 ENGINEER JEREMY B. WRIGHT

Project Number:	21-772
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S4.2

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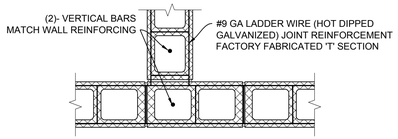

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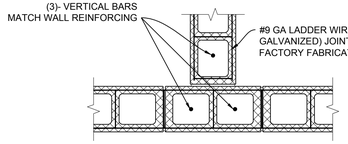

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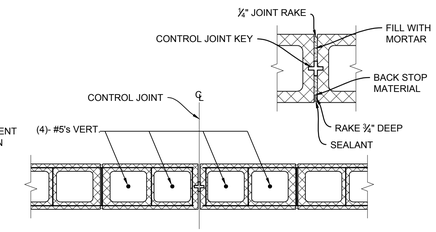
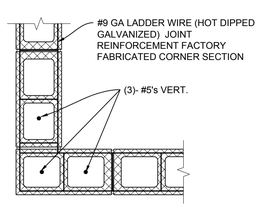


JOINT REINFORCING AND REINFORCING BARS STOP AT THE CONTROL JOINT EXCEPT AT BOND BEAMS THAT OCCUR AT ROOF

JOINTS OF INTERIOR / EXTERIOR WALLS SHALL NOT BE SPACED GREATER THAN 25'-0 APART

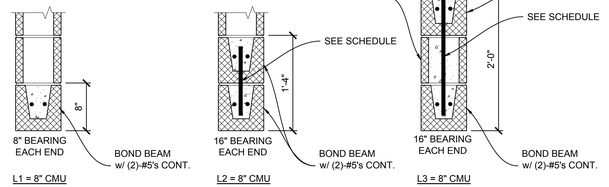
CMU WALL CONTROL JOINT DETAIL



TYPICAL CORNER DETAIL

1 TYP. WALL REINFORCING DETAILS

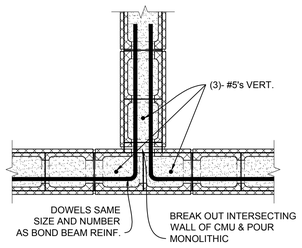
SCALE: 1"=1'-0



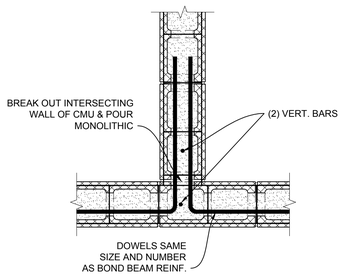
SEE PLAN FOR LOCATIONS

2 LINTEL DETAILS

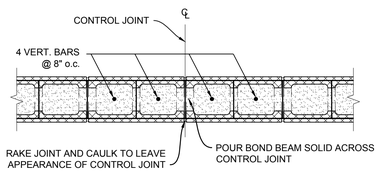
SCALE: 1"=1'-0



BOND BEAM / LINTEL
INTERSECTION DETAIL



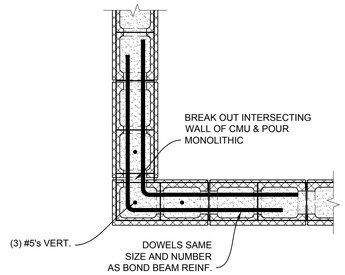
BOND BEAM / LINTEL
INTERSECTION DETAIL



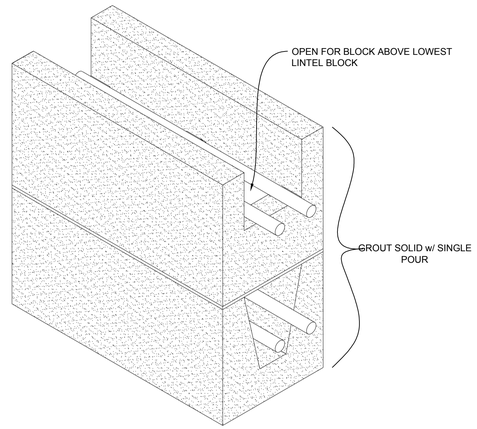
JOINT REINFORCING AND REINFORCING BARS STOP AT THE CONTROL JOINT EXCEPT AT BOND BEAMS THAT OCCUR AT FLOOR AND ROOF

LOCATE CONTROL JOINTS AS SPECIFIED IN THE PLANS AND SPECIFICATIONS.

BOND BEAM / LINTEL
CMU WALL CONTROL JOINT DETAIL



BOND BEAM / LINTEL
CORNER DETAIL

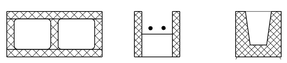


3 TYP. WALL REINFORCING DETAILS @ BOND BEAMS

SCALE: N.T.S.

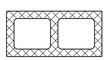
4 ENLARGE DETAIL (BOND BEAM / LINEL)

SCALE: N.T.S.



BOND BEAM BLOCK
(KNOCK OUT BLOCK)

LINTEL BLOCK SECTION



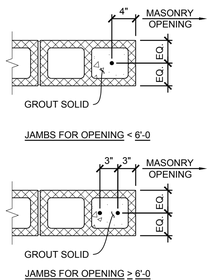
TYP. CMU BLOCK
(PLAN)

NOTE:

1. ALL CMU SHALL HAVE ONLY 2 CELLS (EXCEPT LINTEL BLOCKS)

5 TYP. MASONRY UNITS

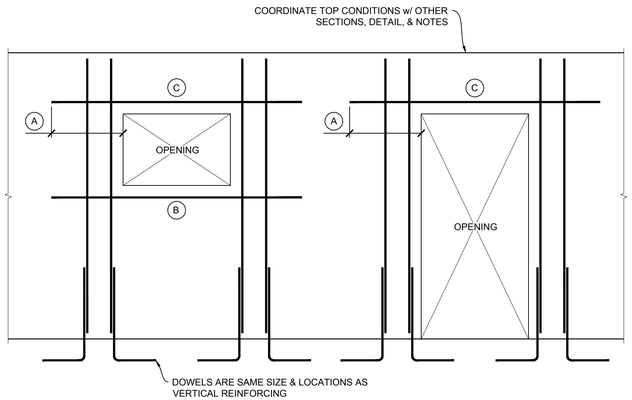
SCALE: N.T.S.



NOTE: JAMB BARS ARE THE SAME AS TYPICAL REINFORCING INCLUDING SIZE, GRADE, FOOTING, AND TERMINATION AT T/WALL.

6 TYP. JAMB DETAILS

SCALE: N.T.S.



(A) EXTEND BOND BEAM/LINTEL IN ACCORDANCE WITH PLAN NOTES BEARING REQUIREMENTS.

(B) BOND BEAM AT OPENING SILL

(C) LINTEL AT OPENING HEAD

MASONRY WALL OPENING NOTES

1. SEE MASONRY GENERAL NOTES/DETAILS FOR JOINT REINF. REQUIREMENTS.

2. SEE PLAN NOTES FOR LINTEL & BOND BEAM DEPTH AND JAMB WIDTH.

3. LINTEL BOND BEAM, AND VERTICAL JAMB BARS SHALL BE SAME SIZE AS ADJACENT WALL REINF.

4. FOR VERTICAL REINF. OF 2 OR MORE BARS, EACH BAR SHALL BE PLACED IN A SEPRATE CELL U.N.O.

5. VERTICAL BARS SHALL BE IN ADDITION TO THE NORMAL WALL REINF. U.N.O.

6. HOOK WALL VERTICAL REINFORCING AT TOP OF WALL TYP.

7. ADJACENT OPENINGS 2'-8 OR LESS APART.
   A. REINFORCE ALL VERTICAL CELLS BETWEEN OPENINGS
   B. IF LINTEL BOTTOMS ALIGN, EXTEND THE WIDER OPENING LINTEL CONTINUOUS OVER BOTH OPENINGS.

8. ALL LINTELS OR BOND BEAMS HAVE 2 BARS CONT IN EACH COURSE U.N.O

9. ALL JAMBS HAVE TWO BARS IN EACH CELL OF JAMB WIDTH.

10. DO NOT LOCATE PLUMBING OR ELECTRICAL IN WALL AT LOCATION OF REINFORCED / FILLED CELL. IF PLUMBING OR ELECTRICAL LOCATION IS CRITICAL NOTIFY S.E.R. FOR DIRECTION.

CONTRACTOR SHALL COORDINATE ALL CONDUIT AND PLUMBING IN CMU WALLS PRIOR TO SUBMITTING WALL REINFORCING/LINTEL SHOP DRAWINGS. ALL CONDUIT AND PLUMBING SHALL BE SHOWN ON THESE SHOP DRAWINGS. AT LINTEL BEARING LOCATIONS IF ADJACENT CELLS ARE OCCUPIED WITH ELECTRICAL OR PLUMBING, REINFORCE AND FILL ADJACENT CELLS. NOTE THAT ALL LINTELS SHALL EXTEND OVER REINFORCED CELLS AND ACHIEVE THE REQUIRED BEARING OVER FILLED AND REINFORCED CELLS.

ADDITIONALLY, CONTRACTOR SHALL COORDINATE MECHANICAL OPENINGS PRIOR TO SUBMITTING WALL REINFORCING / LINTEL SHOP DRAWINGS.

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340 HEWELL ROAD
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ISSUED FOR PERMIT

GEORGIA REGISTERED NO. 26519 ENGINEER JEREMY B. WRIGHT

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Sheet Description

C.M.U BLOCK DETAILS

Sheet Number

S4.3

WRIGHT ENGINEERING, LLC
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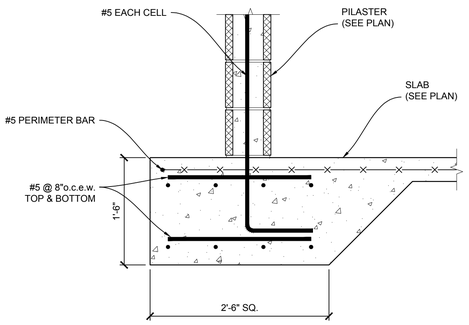

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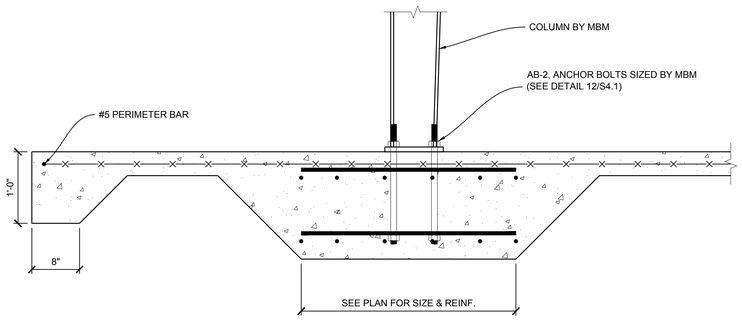

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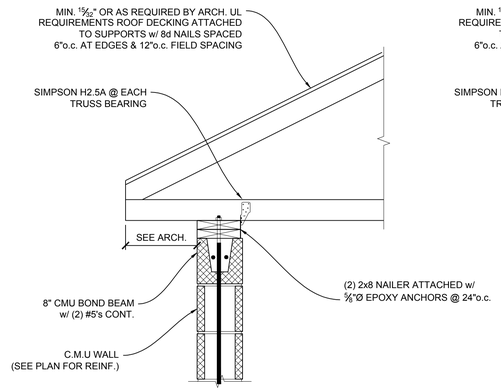

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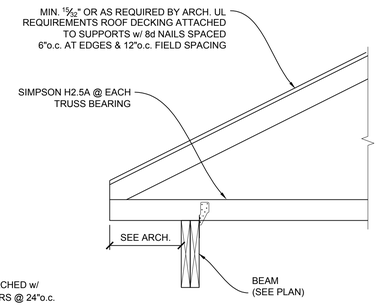

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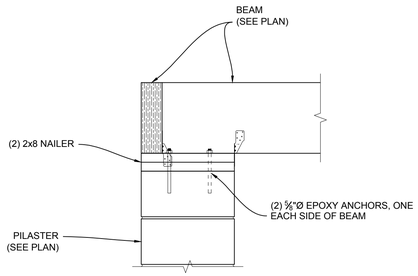

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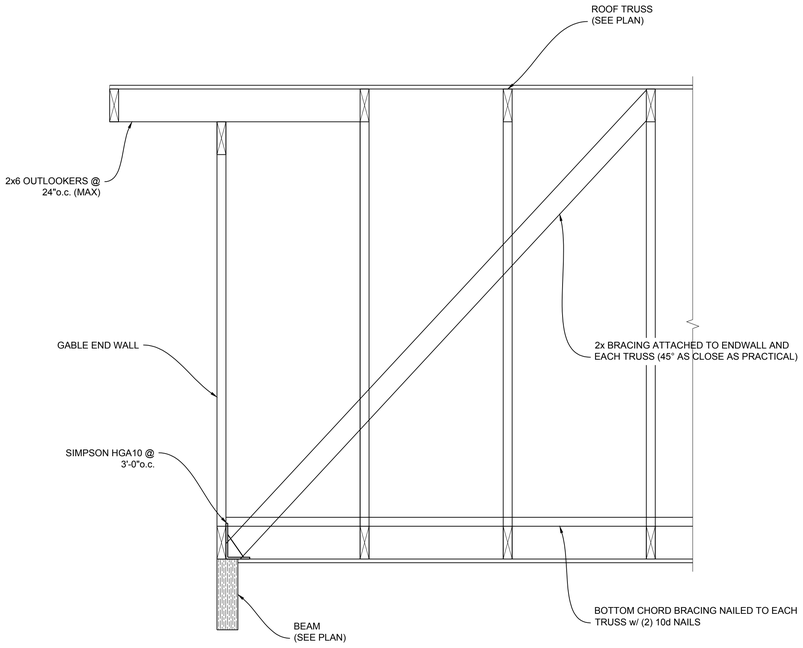

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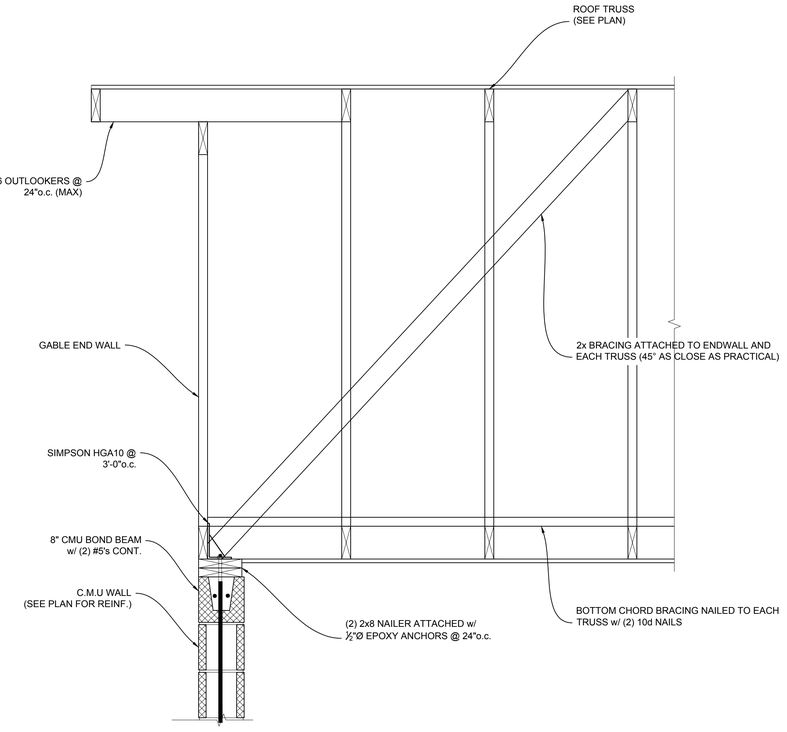

7 FRAMING SECTION
SCALE: 1"=1'-0

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ACCESSORY DETAILS

Sheet Number

S4.4

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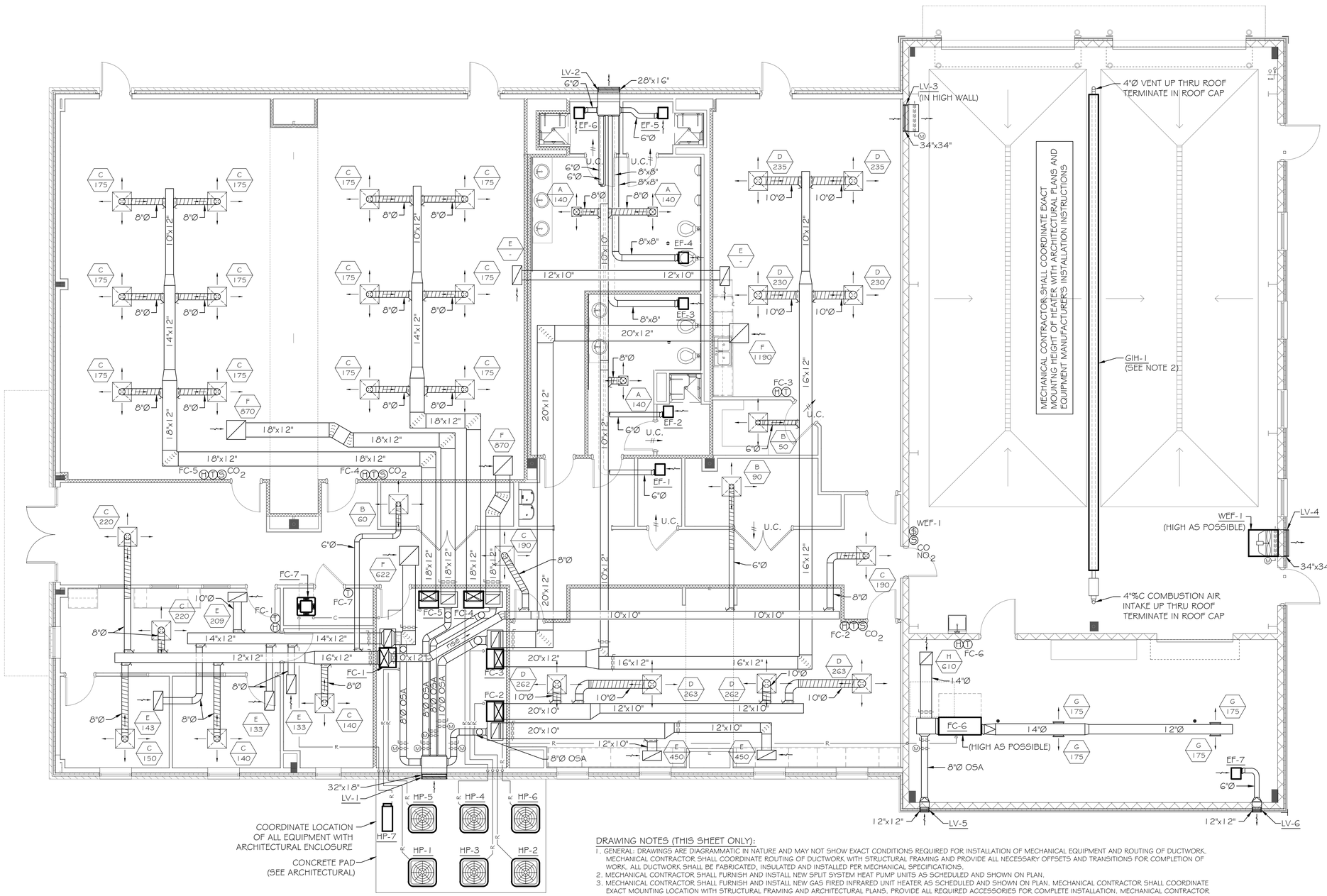

1 M1.0 FLOOR PLAN - MECHANICAL

SCALE: 3/16" = 1'-0"

DRAWING NOTES (THIS SHEET ONLY):

1. GENERAL: DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT CONDITIONS REQUIRED FOR INSTALLATION OF MECHANICAL EQUIPMENT AND ROUTING OF DUCTWORK. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK WITH STRUCTURAL FRAMING AND PROVIDE ALL NECESSARY OFFSETS AND TRANSITIONS FOR COMPLETION OF WORK. ALL DUCTWORK SHALL BE FABRICATED, INSULATED AND INSTALLED PER MECHANICAL SPECIFICATIONS.
2. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW SPLIT SYSTEM HEAT PUMP UNITS AS SCHEDULED AND SHOWN ON PLAN.
3. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW GAS FIRED INFRARED UNIT HEATER AS SCHEDULED AND SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS. PROVIDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL THERMOSTATS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. MAINTAIN MINIMUM CLEARANCES PER EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL WALL MOUNTED EXHAUST FAN AS SCHEDULED AND SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS. WALL EXHAUST LOUVER SIZE INDICATED ON PLANS IS MINIMUM SIZE. EXHAUST FAN SHALL OPERATE ON WALL SWITCH AND BY CARBON MONOXIDE/NITROGEN DIOXIDE DETECTION. PROVIDE ALL REQUIRED CARBON MONOXIDE/NITROGEN DIOXIDE DETECTORS AND CONTROLS FOR AUTOMATIC FAN OPERATION. PROVIDE ALL CONTROL AND INTERLOCK WIRING FOR EXHAUST FANS AND DAMPERS.
5. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL WALL LOUVERS WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION. PROVIDE COLOR AND FINISH SELECTED BY ARCHITECT.
6. MECHANICAL CONTRACTOR SHALL ROUTE REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT UP IN WALL. WALLS SHALL BE SLEEVED PER MECHANICAL SPECIFICATIONS. REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
7. MECHANICAL CONTRACTOR SHALL ROUTE CONDENSATE FROM ALL INDOOR FAN COIL UNITS TO FLOOR DRAIN PROVIDED BY PLUMBING CONTRACTOR.
8. MOUNT ALL THERMOSTATS AT + 48" ABOVE FINISHED FLOOR.

MECHANICAL CONTRACTOR SHALL FURNISH DUCTWORK COORDINATION SHOP DRAWINGS FOR ALL MAIN TRUNK LINES - INTENT IS TO COORDINATE WITH STRUCTURAL

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GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER SHERRER

FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number:	21-772
Date:	11/03/2023
Drawn By:	DSD
Checked By:	WAS
Revisions:	

No.	Date	Description

Sheet Description

FLOOR PLAN - MECHANICAL

Sheet Number

M1.0

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EXHAUST FAN SCHEDULE (THIS SHEET ONLY)

UNIT NO.	TOTAL AIR CFM	APPROX. EXT. S.P. INCH WATER	DESCRIPTION BD - BELT DRIVE DD - DIRECT DRIVE	FREE AIR SONES AT 5'	MAX. FAN SPEED R.P.M.	CONTROL INTERLOCK	MAX. MOTOR H.P.	VOLTS	PHASE	HZ.	REMARKS
EF-8 EF-9	75	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	1.0	768	WITH LIGHTS SWITCH BY ELEC. CONTRACTOR	80 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-B110 CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, FAN SPEED CONTROL MOUNTED ON FAN CABINET, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
EF-10	50	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	1.4	820	WITH LIGHTS SWITCH BY ELEC. CONTRACTOR	11 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-LP0511 CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, EC MOTOR WITH FAN SPEED DIAL ON FAN MOTOR, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.

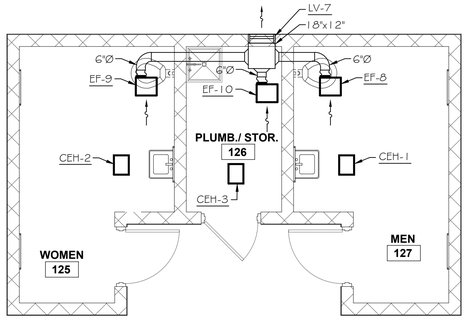
WALL LOUVER SCHEDULE (THIS SHEET ONLY)

UNIT NO.	CFM	SIZE (W x H) INCHES	FRAME THICKNESS	BLADE THICKNESS	BLADE ANGLE	FREE AREA	PRESSURE DROP INCHES WG	REMARKS
LV-7	200	18" x 12"	6" x 0.081"	0.081"	35°	21.7%	0.06	BASIS OF DESIGN: GREENHECK MODEL ESD-635 WEATHER LOUVER WITH 6" WIDE STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADES, EXPANDED ALUMINUM BIRDSCREEN AND AMCA CERTIFICATION.

ELECTRIC HEATER SCHEDULE (THIS SHEET ONLY)

UNIT NO.	TOTAL AIR C.F.M.	MINIMUM HEATING CAPACITY B.T.U.H.	EXT. S.P. INCHES H_2O	UNIT F.L.A.	HEAT K.W.	VOLTS	PHASE	HZ.	REMARKS
CEH-1	50	3,413	0.10	8.3	1.00	120	1	60	BASIS OF DESIGN: BERKO HEATER MODEL SED1012C CEILING/WALL MOUNTED ELECTRIC HEATER WITH OPTION FOR RECESSED OR SURFACE MOUNTING, ROUGH IN BOX, SURFACE MOUNT FRAME, FRONT COVER, BUILT-IN THERMOSTAT, THERMAL CUTOUT, DISCONNECT SWITCH AND UL LISTING. SET TEMPERATURE FOR 68°F.
CEH-2	50	3,413	0.10	8.3	1.00	120	1	60	BASIS OF DESIGN: BERKO HEATER MODEL SED1012C CEILING/WALL MOUNTED ELECTRIC HEATER WITH OPTION FOR RECESSED OR SURFACE MOUNTING, ROUGH IN BOX, SURFACE MOUNT FRAME, FRONT COVER, BUILT-IN THERMOSTAT, THERMAL CUTOUT, DISCONNECT SWITCH AND UL LISTING. SET TEMPERATURE FOR 68°F.
CEH-3	50	3,413	0.10	8.3	1.00	120	1	60	BASIS OF DESIGN: BERKO HEATER MODEL SED1012C CEILING/WALL MOUNTED ELECTRIC HEATER WITH OPTION FOR RECESSED OR SURFACE MOUNTING, ROUGH IN BOX, SURFACE MOUNT FRAME, FRONT COVER, BUILT-IN THERMOSTAT, THERMAL CUTOUT, DISCONNECT SWITCH AND UL LISTING. SET TEMPERATURE FOR 68°F.

WALL HEATER NOTES:
BASIS OF DESIGN IS REDDI-OTHERS WHO MAY BE CONSIDERED ARE QMARK AND REDDI.



1 / M2.0 FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

DRAWING NOTES (THIS SHEET ONLY):
1. GENERAL: DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT CONDITIONS REQUIRED FOR INSTALLATION OF MECHANICAL EQUIPMENT AND ROUTING OF DUCTWORK. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK WITH STRUCTURAL FRAMING AND PROVIDE ALL NECESSARY OFFSETS AND TRANSITIONS FOR COMPLETION OF WORK. ALL DUCTWORK SHALL BE FABRICATED, INSULATED AND INSTALLED PER MECHANICAL SPECIFICATIONS.
2. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW EXHAUST FANS AND LOUVERS AS SCHEDULED AND SHOWN ON PLAN.
3. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW ELECTRIC WALL HEATER AS SCHEDULED AND SHOWN ON PLAN.

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SPLIT SYSTEM HEAT PUMP SCHEDULE

INDOOR SECTION OF HEAT PUMP																												OUTDOOR SECTION OF HEAT PUMP									REMARKS
UNIT FAN								COOLING DATA						REVERSE CYCLE HEATING				ELECTRIC HEATER DATA					INDOOR SECTION POWER SUPPLY							COMPRESSOR		O.D. FANS		POWER SUPPLY					
UNIT NO.	TOTAL AIR CFM	MIN. OUT. AIR CFM	MAX. OUT. AIR CFM	TYPE UNIT	TYPE FAN	APPROX. EXT S.P. INCHES H_2O	FAN MOTOR H.P.	MAX COIL FACE VEL F.P.M.	MIN. CAPACITY TOTAL B.T.U.H.	MIN. CAPACITY SENSIBLE B.T.U.H.	ENT AIR F D.B.	ENT AIR F W.B.	MIN. S.E.E.R./ E.E.R.	MINIMUM HEATING CAPACITY B.T.U.H.	ENT. TEMP. °F	AMB. TEMP. °F	MIN. C.O.P. (HSPF)	MINIMUM HEATING CAPACITY B.T.U.H.	ENT. TEMP. °F	LVG. TEMP. °F	NUMBER OF STAGES	TOTAL K.W.	MINIMUM CIRCUIT AMPS	MAXIMUM FUSE AMPS	VOLT	PHASE	HZ	UNIT NO.	NO. OF COMPR	RLA AMPS	NO. OF FANS	FLA AMPS	MINIMUM CIRCUIT AMPS	MAXIMUM FUSE AMPS	VOLT	PHASE	HZ	
FC-1	(HI) 1,400 (LOW) 1,120	128	160	VERT. D. T.	F.C.	0.50	3/4	500	(HI) 47,000 (LOW) 32,620	(HI) 34,350 (LOW) 24,570	80.0	67.0	16.0 S.E.E.R.	(HI) 47,810 (LOW) 33,670	65.0	47.0	3.68 (9.0)	23,208	65.0	80.3	3	6.8	49.5	50	208	1	60	HP-1	1	22.8	1	1.3	29.8	50	208	1	60	BASIS OF DESIGN: INDOOR SECTION CARRIER MODEL FV4CNB006 COMPLETE WITH HEAT PUMP COIL, ELECTRIC HEAT ACCESSORY (KFCEH2901N09), EXTERNAL VIBRATION ISOLATION, ACCESSORY SLIDE IN 2" FILTER RACK WITH 2" PLEATED FILTERS (MERV 8), AND SINGLE POINT CONNECTION. OUTDOOR SECTION CARRIER MODEL 25TPA748 (TWO STAGE UNIT) WITH LOW AMBIENT COOLING AND WIFI THERMOSTAT WITH HUMIDITY CONTROL.
FC-2	(HI) 1,050 (LOW) 840	130	180	VERT. D. T.	F.C.	0.50	3/4	500	(HI) 36,400 (LOW) 26,010	(HI) 26,320 (LOW) 19,340	80.0	67.0	17.0 S.E.E.R.	(HI) 36,370 (LOW) 25,640	65.0	47.0	4.06 (9.5)	23,208	65.0	85.5	3	6.8	49.5	50	208	1	60	HP-2	1	18.5	1	0.6	23.7	40	208	1	60	BASIS OF DESIGN: INDOOR SECTION CARRIER MODEL FV4CNB006 COMPLETE WITH HEAT PUMP COIL, ELECTRIC HEAT ACCESSORY (KFCEH2901N09), EXTERNAL VIBRATION ISOLATION, ACCESSORY SLIDE IN 2" FILTER RACK WITH 2" PLEATED FILTERS (MERV 8), AND SINGLE POINT CONNECTION. OUTDOOR SECTION CARRIER MODEL 25TPA736 (TWO STAGE UNIT) WITH LOW AMBIENT COOLING AND WIFI THERMOSTAT WITH HUMIDITY CONTROL.
FC-3	(HI) 1,400 (LOW) 1,120	168	210	VERT. D. T.	F.C.	0.50	3/4	500	(HI) 47,000 (LOW) 32,620	(HI) 34,350 (LOW) 24,570	80.0	67.0	16.0 S.E.E.R.	(HI) 47,810 (LOW) 33,670	65.0	47.0	3.68 (9.0)	23,208	65.0	80.3	3	6.8	49.5	50	208	1	60	HP-3	1	22.8	1	1.3	29.8	50	208	1	60	BASIS OF DESIGN: INDOOR SECTION CARRIER MODEL FV4CNB006 COMPLETE WITH HEAT PUMP COIL, ELECTRIC HEAT ACCESSORY (KFCEH2901N09), EXTERNAL VIBRATION ISOLATION, ACCESSORY SLIDE IN 2" FILTER RACK WITH 2" PLEATED FILTERS (MERV 8), AND SINGLE POINT CONNECTION. OUTDOOR SECTION CARRIER MODEL 25TPA748 (TWO STAGE UNIT) WITH LOW AMBIENT COOLING AND WIFI THERMOSTAT WITH HUMIDITY CONTROL.
FC-4 FC-5	(HI) 1,050 (LOW) 840	130	180	VERT. D. T.	F.C.	0.50	3/4	500	(HI) 36,400 (LOW) 26,010	(HI) 26,320 (LOW) 19,340	80.0	67.0	17.0 S.E.E.R.	(HI) 36,370 (LOW) 25,640	65.0	47.0	4.06 (9.5)	23,208	65.0	85.5	3	6.8	49.5	50	208	1	60	HP-4 HP-5	1	18.5	1	0.6	23.7	40	208	1	60	BASIS OF DESIGN: INDOOR SECTION CARRIER MODEL FV4CNB006 COMPLETE WITH HEAT PUMP COIL, ELECTRIC HEAT ACCESSORY (KFCEH2901N09), EXTERNAL VIBRATION ISOLATION, ACCESSORY SLIDE IN 2" FILTER RACK WITH 2" PLEATED FILTERS (MERV 8), AND SINGLE POINT CONNECTION. OUTDOOR SECTION CARRIER MODEL 25TPA736 (TWO STAGE UNIT) WITH LOW AMBIENT COOLING AND WIFI THERMOSTAT WITH HUMIDITY CONTROL.
FC-6	(HI) 700 (LOW) 560	64	80	HORIZ. D. T.	F.C.	0.50	1/2	500	(HI) 24,000 (LOW) 17,610	(HI) 17,090 (LOW) 12,900	80.0	67.0	17.0 S.E.E.R.	(HI) 25,500 (LOW) 18,360	65.0	47.0	3.90 (9.0)	23,208	65.0	95.6	3	6.8	49.5	50	208	1	60	HP-6	1	12.5	1	0.6	16.2	25	208	1	60	BASIS OF DESIGN: INDOOR SECTION CARRIER MODEL FV4CNF003 COMPLETE WITH HEAT PUMP COIL, ELECTRIC HEAT ACCESSORY (KFCEH2901N09), EXTERNAL VIBRATION ISOLATION, ACCESSORY SLIDE IN 2" FILTER RACK WITH 2" PLEATED FILTERS (MERV 8), AND SINGLE POINT CONNECTION. OUTDOOR SECTION CARRIER MODEL 25TPA724 (TWO STAGE UNIT) WITH LOW AMBIENT COOLING AND WIFI THERMOSTAT WITH HUMIDITY CONTROL (TSTWRH01A).

DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

MINIMUM OPERATING CHARACTERISTICS AND ELECTRICAL REQUIREMENTS																						REMARKS
UNIT FAN				COOLING DATA			HEATING DATA				INDOOR UNIT					OUTDOOR UNIT										
UNIT NO.	TOTAL AIR CFM	MIN. OUT. AIR CFM	FAN MOTOR F.L.A.	MINIMUM TOTAL B.T.U.H.	ENT AIR F D.B.	ENT AIR F W.B.	MIN. S.E.E.R.	MINIMUM HEATING CAPACITY B.T.U.H.	ENT. TEMP. °F	AMB. TEMP. °F	MIN. HSPF	MINIMUM CIRCUIT AMPS	MAXIMUM FUSE AMPS	VOLT	PHASE	HZ	UNIT NO.	NO. OF COMPR	RLA AMPS	NO. OF FANS	FLA AMPS	MINIMUM CIRCUIT AMPS	MAXIMUM FUSE AMPS	VOLT	PHASE	HZ	
FC-7	320	N/A	0.20	9,000/ 3,500	80.0	67.0	20.0	9,000	65.0	47.0	10.8	POWERED FROM OUTDOOR UNIT					HP-7	1	5.3	1	0.14	9.0	20	208	1	60	INDOOR SECTION: CARRIER MODEL 40MBCQ09 CEILING MOUNTED INDOOR EVAPORATOR UNIT COMPLETE WITH MINI CONDENSATE PUMP. OUTDOOR SECTION: CARRIER MODEL 38MAQB09R COMPLETE WITH 7 YEAR PARTS & COMPRESSOR WARRANTY, WIRED REMOTE PROGRAMMABLE 7-DAY.

EXHAUST FAN SCHEDULE

UNIT NO.	TOTAL AIR CFM	APPROX. EXT. S.P. INCH WATER	DESCRIPTION BD - BELT DRIVE DD - DIRECT DRIVE	FREE AIR SONES AT 5'	MAX. FAN SPEED R.P.M.	CONTROL INTERLOCK	MAX. MOTOR H.P.	VOLTS	PHASE	HZ.	REMARKS
EF-1 EF-2 EF-5 EF-6	50	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	1.5	685	WITH TIMED SWITCH BY ELEC. CONTRACTOR	9 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-LP0511 CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, EC MOTOR WITH FAN SPEED DIAL ON FAN MOTOR, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
EF-3	140	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	2.0	785	WITH LIGHTS SWITCH BY ELEC. CONTRACTOR	40 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-A200 CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, FAN SPEED CONTROL MOUNTED ON FAN CABINET, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
EF-4	280	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	3.5	1,167	WITH LIGHTS SWITCH BY ELEC. CONTRACTOR	135 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-A390 CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, FAN SPEED CONTROL MOUNTED ON FAN CABINET, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
EF-7	75	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	1.0	768	WITH TIMED SWITCH BY ELEC. CONTRACTOR	80 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-B110 CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, FAN SPEED CONTROL MOUNTED ON FAN CABINET, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
WEF-1	1,800	0.125	DD - CENTRIFUGAL SIDEWALL MOUNTED EXHAUST FAN	5.5	528	CONTROL WIRING BY HVAC CONTR.	1/2	120	1	60	BASIS OF DESIGN: GREENHECK MODEL AER-24-02-0615-VG WALL MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, BACKDRAFT DAMPER, BIRDSCREEN, WALL HOUSING WITH LIGHT GREY BAKED ENAMEL FINISH, WALL SWITCH AND UL LISTING.

FAN SCHEDULE NOTES:

1. MECHANICAL CONTRACTOR SHALL PROVIDE ALL MOTOR STARTERS FOR EXHAUST FANS.
2. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL INTERLOCK WIRING FOR EXHAUST FANS.
3. WEF-1 SHALL BE OPERATED OFF INTERLOCK WITH MOTORIZED INTAKE DAMPER. DAMPER SHALL OPEN PRIOR TO EXHAUST FAN OPERATION.
4. WEF-1 SHALL ALSO OPERATE AUTOMATICALLY BASED ON CARBON MONOXIDE/NITROGEN DIOXIDE DETECTORS LOCATED IN THE APPARATUS BAY. (PROVIDE ALL REQUIRED CONTROLS AND SENSORS)
5. EF-1, EF-2, EF-5, EF-6 & EF-7 TIMED WALL SWITCH SHALL LIMIT FAN OPERATION TO 30 MINUTES MAXIMUM PER TIMED CYCLE.

GAS FIRED (NATURAL GAS) LOW INTENSITY RADIANT TUBE HEATER SCHEDULE

UNIT NO.	TUBE LENGTH (IN FEET)	MOUNTING ANGLE (DEGREES)	NATURAL GAS HEAT MINIMUM BTU/HR. STAGE 1	NATURAL GAS HEAT MINIMUM BTU/HR. STAGE 2	ELECTRICAL H.P.	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL HZ.	REMARKS
GH-1	50	0°	125,000	93,750	0.03	120	1	60	BASIS OF DESIGN: MODINE MODEL IPT125 NATURAL GAS INFRA-RED RADIANT TUBE HEATER WITH ALUMINIZED STEEL RADIANT TUBES AND COMBUSTION CHAMBER, TWO STAGE GAS HEATING WITH 24 VOLT THERMOSTAT, ACCESSORY COMBUSTION AIR CAP, GAS VENTING ROOF CAP, ADJUSTABLE TUBE REFLECTOR, AND ALL HANGERS& SUPPORTS REQUIRED FOR INSTALLATION.

NOTE 1: PROVIDE ALL REQUIRED ACCESORY ITEMS FOR VERTICAL COMBUSTION AIR VENTING (INCLUDING INTAKE ADAPTER & INTAKE ROOF CAP).
NOTE 2: PROVIDE ALL REQUIRED ACCESORY ITEMS FOR CONTROLLING MULTIPLE UNITS FROM A SINGLE THERMOSTAT.
NOTE 3: FOLLOW MANUFACTURER'S INSTALLATION REQUIRMENTS FOR CLEARANCES AND MOUNTING HEIGHTS.

WALL LOUVER SCHEDULE

UNIT NO.	CFM	SIZE (W x H) INCHES	FRAME THICKNESS	BLADE THICKNESS	BLADE ANGLE	FREE AREA	PRESSURE DROP INCHES WG	REMARKS
LV-1	910	32" x 18"	6" x 0.081"	0.081"	35°	39.2%	0.05	BASIS OF DESIGN: GREENHECK MODEL ESD-635 WEATHER LOUVER WITH 6" WIDE STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADES, EXPANDED ALUMINUM BIRDSCREEN AND AMCA CERTIFICATION.
LV-2	570	28" x 16"	6" x 0.081"	0.081"	35°	34.4%	0.04	BASIS OF DESIGN: GREENHECK MODEL ESD-635 WEATHER LOUVER WITH 6" WIDE STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADES, EXPANDED ALUMINUM BIRDSCREEN AND AMCA CERTIFICATION.
LV-3 LV-4	1,800	34" x 34"	6" x 0.081"	0.081"	35°	53.1%	0.03	BASIS OF DESIGN: GREENHECK MODEL ESD-635 WEATHER LOUVER WITH 6" WIDE STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADES, EXPANDED ALUMINUM BIRDSCREEN AND AMCA CERTIFICATION.
LV-5	90	12" x 12"	6" x 0.081"	0.081"	35°	19.9%	0.02	BASIS OF DESIGN: GREENHECK MODEL ESD-635 WEATHER LOUVER WITH 6" WIDE STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADES, EXPANDED ALUMINUM BIRDSCREEN AND AMCA CERTIFICATION.
LV-6	75	12" x 12"	6" x 0.081"	0.081"	35°	19.9%	0.02	BASIS OF DESIGN: GREENHECK MODEL ESD-635 WEATHER LOUVER WITH 6" WIDE STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADES, EXPANDED ALUMINUM BIRDSCREEN AND AMCA CERTIFICATION.

AIR PURIFICATION DEVICE SCHEDULE

UNIT NO.	SUPPLY AIR CFM	OUTSIDE AIR CFM	TOTAL REQUIRED	ΔP INCHES H_2O @	MOUNTING LOCATION	CONTROL INTERLOCK	VOLTS	WATTS	REMARKS
FC-1	1,400	160	1	0.03	SUPPLY FAN INLET	WITH SUPPLY FAN BY HVAC CONTRACTOR	24V AC	15	BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL GPS-FC48-AC COMPACT SELF-CLEANING BI-POLAR IONIZATION SYSTEM COMPLETE WITH ALL COMPOSITE AND CARBON FIBER CONSTRUCTION, ILLUMINATED ON/OFF SWITCH, ALARM OUTPUT DRY-CONTACTS, AND MAINTENANCE FREE DESIGN. OTHER MANUFACTURERS WHO MAY BE CONSIDERED ARE AIRGENICS AND BIOXGEN.
FC-2	1,050	180	1	0.03	SUPPLY FAN INLET	WITH SUPPLY FAN BY HVAC CONTRACTOR	24V AC	15	BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL GPS-FC48-AC COMPACT SELF-CLEANING BI-POLAR IONIZATION SYSTEM COMPLETE WITH ALL COMPOSITE AND CARBON FIBER CONSTRUCTION, ILLUMINATED ON/OFF SWITCH, ALARM OUTPUT DRY-CONTACTS, AND MAINTENANCE FREE DESIGN. OTHER MANUFACTURERS WHO MAY BE CONSIDERED ARE AIRGENICS AND BIOXGEN.
FC-3	1,400	210	1	0.03	SUPPLY FAN INLET	WITH SUPPLY FAN BY HVAC CONTRACTOR	24V AC	15	BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL GPS-FC48-AC COMPACT SELF-CLEANING BI-POLAR IONIZATION SYSTEM COMPLETE WITH ALL COMPOSITE AND CARBON FIBER CONSTRUCTION, ILLUMINATED ON/OFF SWITCH, ALARM OUTPUT DRY-CONTACTS, AND MAINTENANCE FREE DESIGN. OTHER MANUFACTURERS WHO MAY BE CONSIDERED ARE AIRGENICS AND BIOXGEN.
FC-4 FC-5	1,050	180	1	0.03	SUPPLY FAN INLET	WITH SUPPLY FAN BY HVAC CONTRACTOR	24V AC	15	BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL GPS-FC48-AC COMPACT SELF-CLEANING BI-POLAR IONIZATION SYSTEM COMPLETE WITH ALL COMPOSITE AND CARBON FIBER CONSTRUCTION, ILLUMINATED ON/OFF SWITCH, ALARM OUTPUT DRY-CONTACTS, AND MAINTENANCE FREE DESIGN. OTHER MANUFACTURERS WHO MAY BE CONSIDERED ARE AIRGENICS AND BIOXGEN.
FC-6	700	90	1	0.03	SUPPLY FAN INLET	WITH SUPPLY FAN BY HVAC CONTRACTOR	24V AC	15	BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL GPS-FC48-AC COMPACT SELF-CLEANING BI-POLAR IONIZATION SYSTEM COMPLETE WITH ALL COMPOSITE AND CARBON FIBER CONSTRUCTION, ILLUMINATED ON/OFF SWITCH, ALARM OUTPUT DRY-CONTACTS, AND MAINTENANCE FREE DESIGN. OTHER MANUFACTURERS WHO MAY BE CONSIDERED ARE AIRGENICS AND BIOXGEN.

AIR DEVICE SCHEDULE

SYMBOL	CFM RANGE	NECK SIZE INCHES	FACE SIZE INCHES	MAX. NC RATING	REMARKS
A CFM	111-230	8"Ø	11x11	20	BASIS OF DESIGN: TITUS MCD MODULAR SQUARE FACE CEILING DIFFUSER WITH REMOVABLE CORE, EXTRUDED ALUMINUM CONSTRUCTION DESIGNED FOR ONE, TWO, THREE OR FOUR WAY DIFFUSION AS INDICATED ON THE DRAWINGS, AG-40 OPPOSED BLADE DAMPER, BORDER TYPE 6 BEVELED SURFACE MOUNT FRAME AND BAKED OFF-WHITE ENAMEL FINISH.
B CFM	0-110	6"Ø	24x24	20	BASIS OF DESIGN TITUS OMNI FULL FACE ARCHITECTURAL SQUARE PANEL CEILING DIFFUSER COMPLETE WITH BORDER TYPE 3 (LAY-IN) FRAME, AG-75 OPPOSED BLADE DAMPER, STANDARD WHITE FINISH AND OPTIONAL FACTORY INSULATED BACK PAN.
C CFM	111-225	8"Ø	24x24	20	BASIS OF DESIGN TITUS OMNI FULL FACE ARCHITECTURAL SQUARE PANEL CEILING DIFFUSER COMPLETE WITH BORDER TYPE 3 (LAY-IN) FRAME, AG-75 OPPOSED BLADE DAMPER, STANDARD WHITE FINISH AND OPTIONAL FACTORY INSULATED BACK PAN.
D CFM	226-380	10"Ø	24x24	20	BASIS OF DESIGN TITUS OMNI FULL FACE ARCHITECTURAL SQUARE PANEL CEILING DIFFUSER COMPLETE WITH BORDER TYPE 3 (LAY-IN) FRAME, AG-75 OPPOSED BLADE DAMPER, STANDARD WHITE FINISH AND OPTIONAL FACTORY INSULATED BACK PAN.
E CFM	0-500	10"x22"	12x24	20	BASIS OF DESIGN: TITUS 50F, ALL ALUMINUM FABRICATED EGG-CRATE TYPE WITH BAKED OFF-WHITE ENAMEL FINISH, WITH AG-15-AA ALLEN KEY OPERATED OPPOSED BLADE DAMPER, BORDER TYPE 3 (LAY-IN) FRAME.
F CFM	501-1850	22"x22"	24x24	20	BASIS OF DESIGN: TITUS 50F, ALL ALUMINUM FABRICATED EGG-CRATE TYPE WITH BAKED OFF-WHITE ENAMEL FINISH, WITH AG-15-AA ALLEN KEY OPERATED OPPOSED BLADE DAMPER, BORDER TYPE 3 (LAY-IN) FRAME.
G CFM	0-250	12"x8"	14x10	20	BASIS OF DESIGN: TITUS 272RL, DOUBLE DEFLECTION SIDEWALL SUPPLY REGISTER WITH 3/4" BLADE SPACING, STEEL BORDER WITH EXTRUDED ALUMINUM BLADES, STANDARD WHITE FINISH, BORDER TYPE 1 (SURFACE MOUNT FRAME) AND PFAP AUXILIARY ALUMINUM MOUNTING FRAME.
H CFM	0-800	16"x16"	18x18	20	BASIS OF DESIGN: TITUS 50F, ALL ALUMINUM FABRICATED EGG-CRATE TYPE WITH BAKED OFF-WHITE ENAMEL FINISH, WITH AG-15-AA ALLEN KEY OPERATED OPPOSED BLADE DAMPER, BORDER TYPE 1 (SURFACE MOUNT FRAME) AND PFAP AUXILIARY ALUMINUM MOUNTING FRAME.

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GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER SHERRER

FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number: 21-772
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Checked By: WAS
Revisions:

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Sheet Description

MECHANICAL SCHEDULES AND DETAILS

Sheet Number

M3.0

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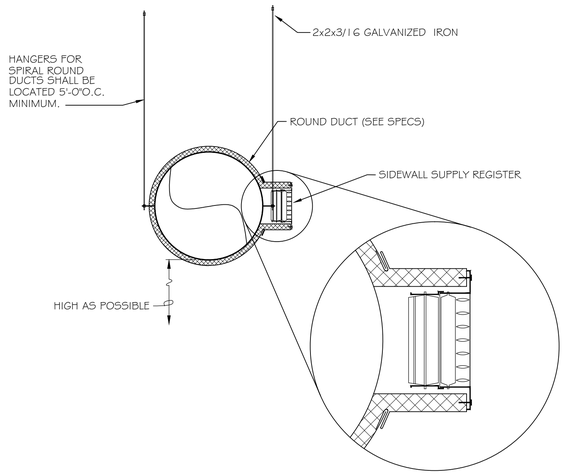
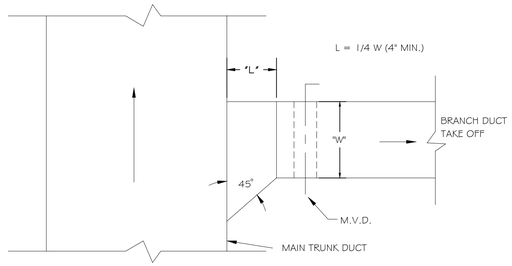
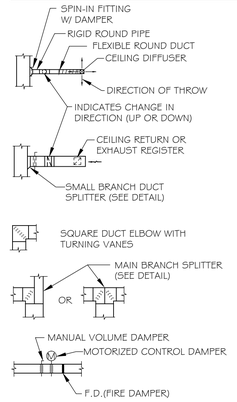


DETAIL - SPIRAL DUCT MOUNTING
NOT TO SCALE

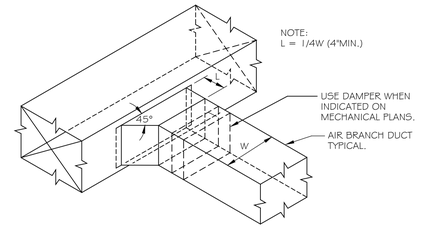


SMALL BRANCH SPLITTER DAMPER DETAIL
N.T.S.

MECHANICAL LEGEND



(1) FC-1	HEAT PUMP THERMOSTAT UNIT NO.
(S) CO	CARBON MONOXIDE SENSOR
(S) NO_2	NITROGEN DIOXIDE SENSOR
EF-1	EXHAUST FAN NO.
S.A.	SUPPLY AIR
R.A.	RETURN AIR
O.S.A.	OUTSIDE AIR
CD	CEILING DIFFUSER
FD	FIRE DAMPER
CRR	CEILING RETURN REGISTER
CER	CEILING EXHAUST REGISTER
	MOTORIZED DAMPER
	MANUAL BALANCING DAMPER
U.C.	UNDERCUT DOOR A MINIMUM OF 1"



BRANCH DUCT TAKE-OFF AND DAMPER DETAIL
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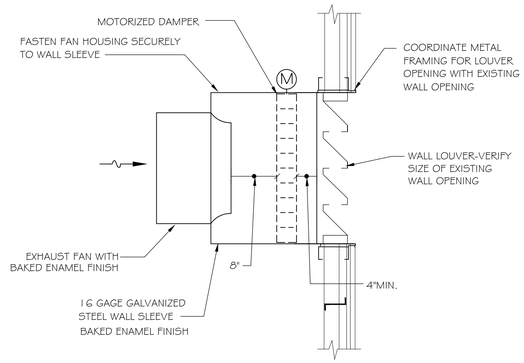
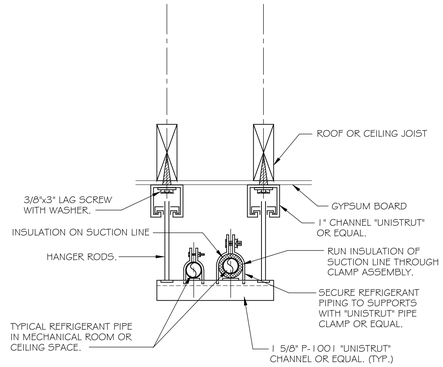
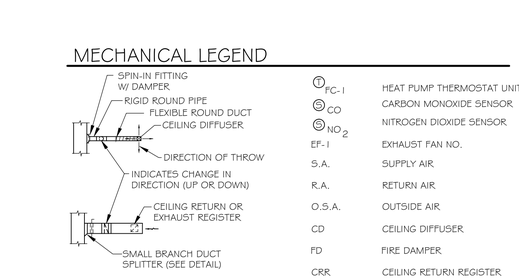


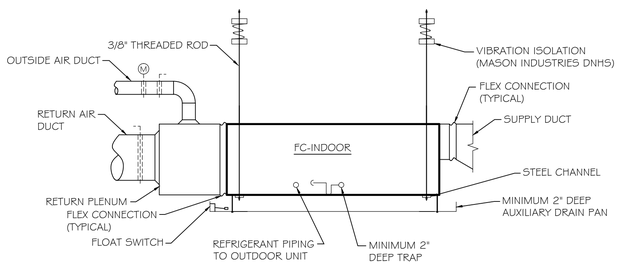
DETAIL - WALL MOUNTED EXHAUST FAN
NOT TO SCALE



SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
N.T.S.



DUCTLESS CEILING RECESSED FCU DETAIL
N.T.S.



HORIZONTAL INDOOR DETAIL
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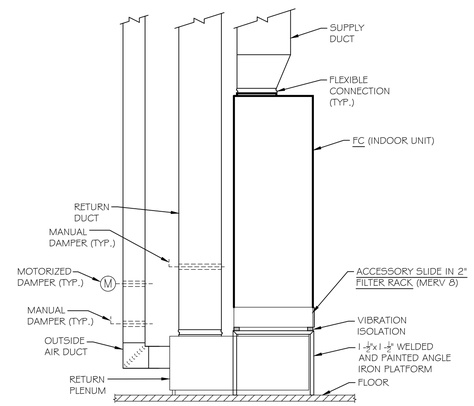

FC INDOOR UNIT DETAIL
N.T.S.

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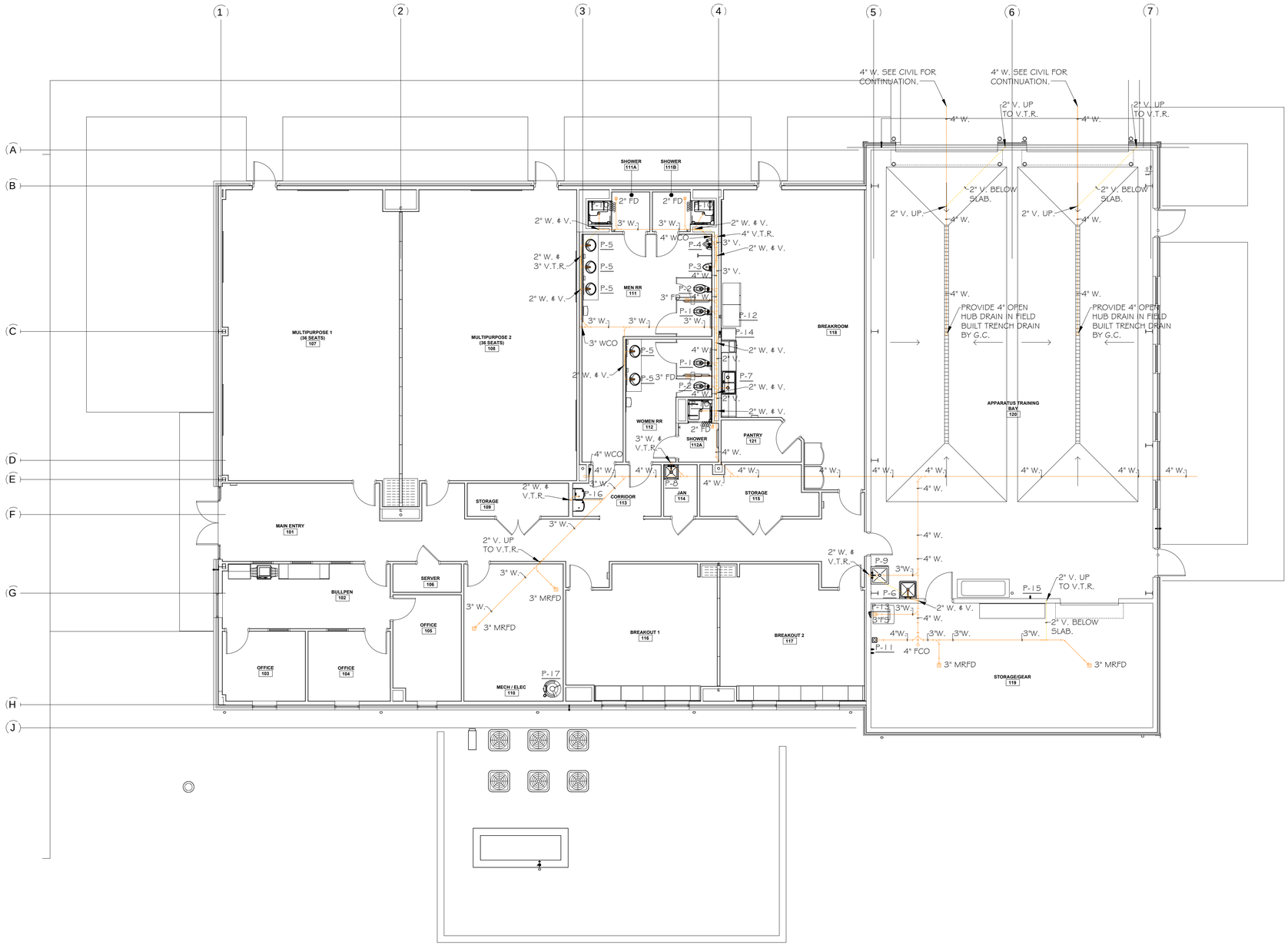

1 P-1.1 FLOOR PLAN - PLUMBING - WASTE & VENT PIPING

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

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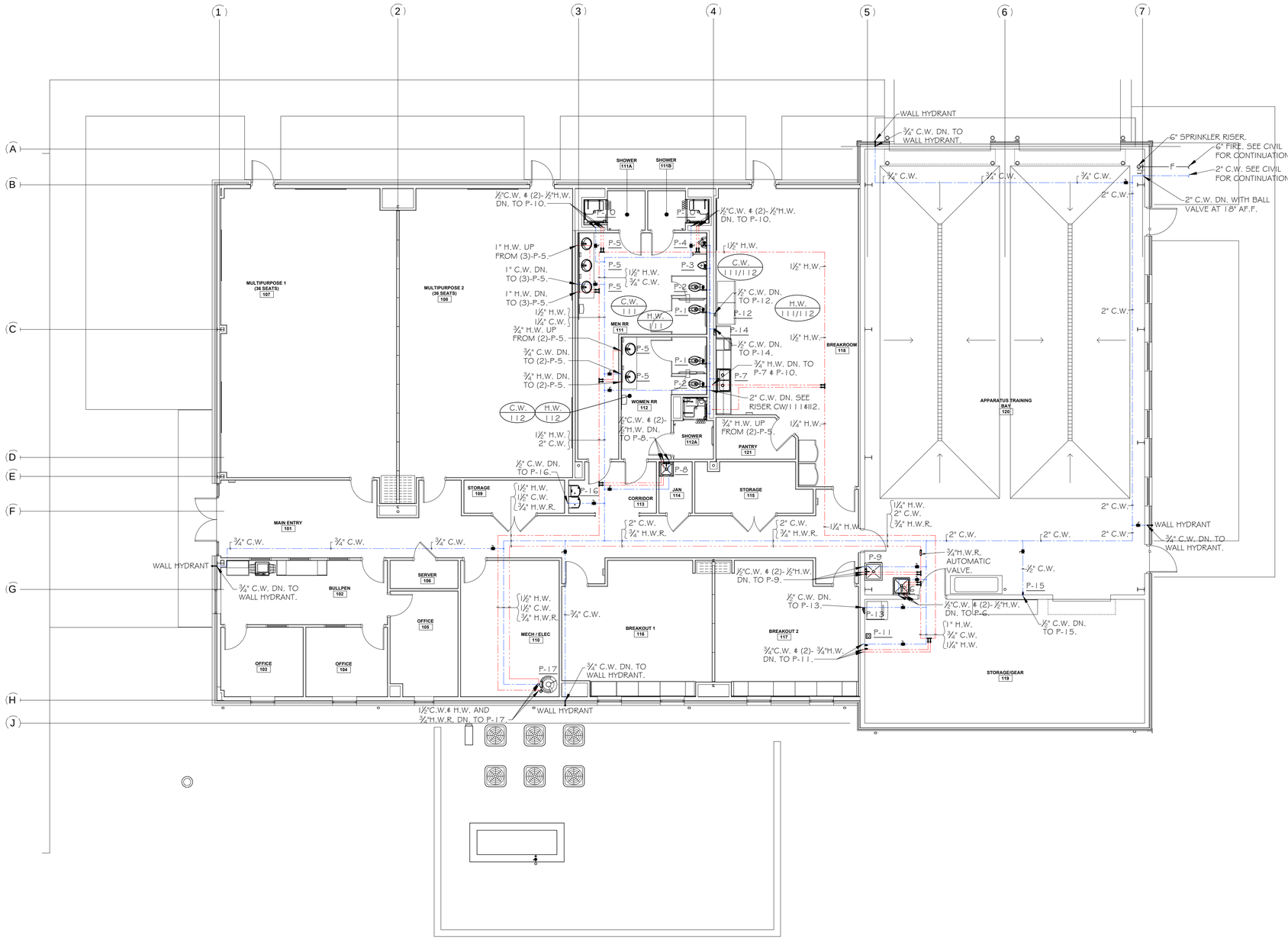

1 / P-1.2 FLOOR PLAN - PLUMBING COLD & HOT PIPING

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

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FILE PATH:

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P-1.2

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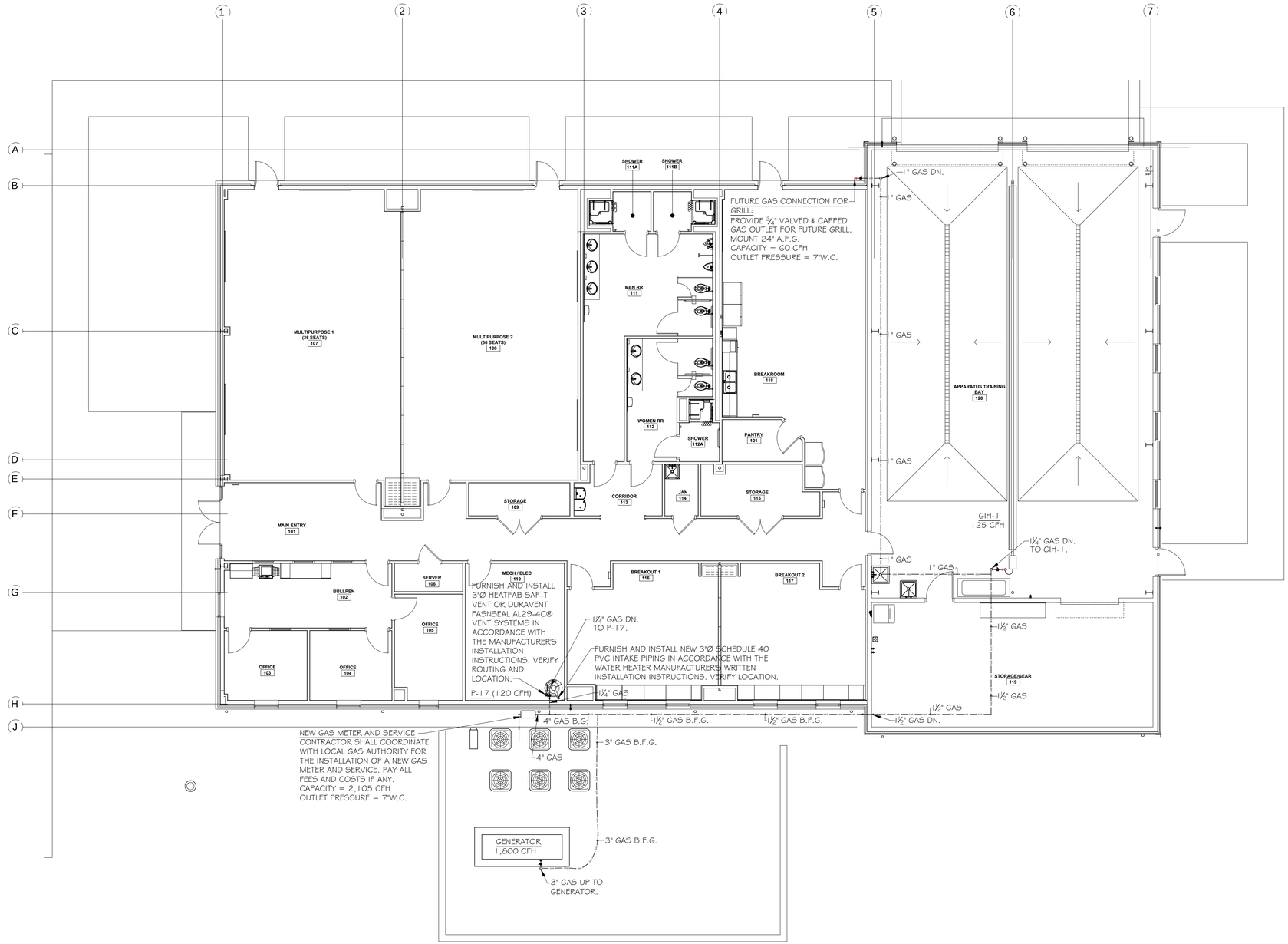

1 P-1.3 FLOOR PLAN - PLUMBING - GAS PIPING

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

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FLOOR PLAN - PLUMBING - GAS PIPING

Sheet Number

P-1.3

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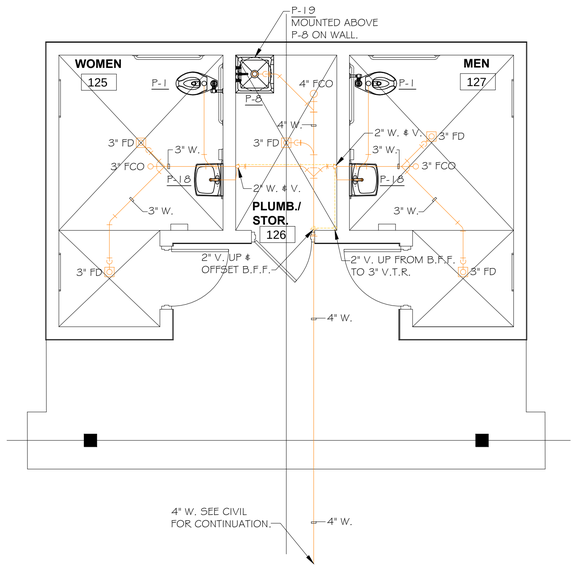
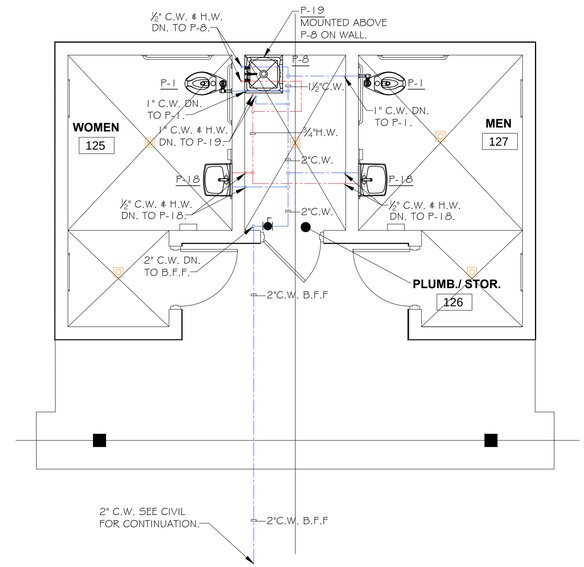


1 P-1.4 RESTROOM PLAN - PLUMBING - WASTE & VENT PIPING

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



2 P-1.4 RESTROOM PLAN - PLUMBING - COLD & HOT WATER PIPING

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

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PAVILION PLAN - PLUMBING

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P-1.1

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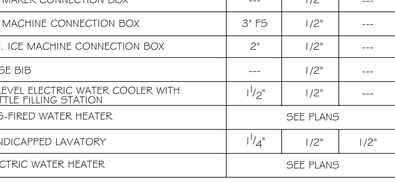
PLUMBING FIXTURE SCHEDULE

No.	FIXTURE TYPE	WASTE	C.W.	H.W.	MOUNTING HEIGHT
P-1	HANDICAPPED WATER CLOSET	3"	1"	---	FLOOR
P-2	WATER CLOSET	3"	1"	---	FLOOR
P-3	HANDICAPPED URINAL	2"	3/4"	---	17" TO RIM
P-4	URINAL	2"	3/4"	---	24" TO RIM
P-5	COUNTERTOP LAVATORY	1 1/4"	1/2"	1/2"	COUNTERTOP
P-6	HANDWASH SINK	1 1/4"	1/2"	1/2"	34" TO RIM
P-7	TWO COMPARTMENT SINK	1 1/2"	1/2"	1/2"	COUNTERTOP
P-8	MOP BASIN	3"	1/2"	1/2"	FLOOR
P-9	UTILITY SINK	2"	1/2"	1/2"	FLOOR
P-10	HANDICAPPED SHOWER	2"	1/2"	1/2"	48" TO CONTROLS
P-11	WASHER-EXTRACTOR CONNECTIONS	4"	1/2"	1/2"	42" A.F.F.
P-12	ICE MAKER CONNECTION BOX	---	1/2"	---	18" A.F.F.
P-13	ICE MACHINE CONNECTION BOX	3" FS	1/2"	---	18" A.F.F.
P-14	U.C. ICE MACHINE CONNECTION BOX	2"	1/2"	---	MOUNT FLUSH WITH FIN. FLR.
P-15	HOSE BIB	---	1/2"	---	24" A.F.F.
P-16	BI-LEVEL ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION	1 1/2"	1/2"	---	32 7/8" TO ADA ORIFICE
P-17	GAS-FIRED WATER HEATER	SEE PLANS			MOUNT ON 4" HIGH CONCRETE HOUSEKEEPING PAD
P-18	HANDICAPPED LAVATORY	1 1/4"	1/2"	1/2"	34" TO RIM
P-19	ELECTRIC WATER HEATER	SEE PLANS			WALL HUNG W/HOLDRITE MODEL 40-5WHP-WM EQUIP. PLATFORM

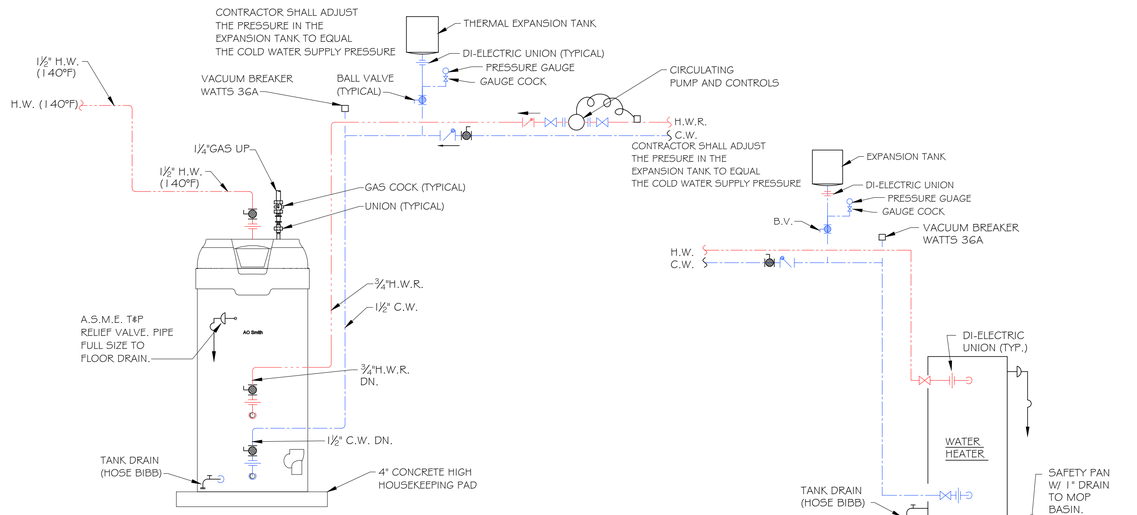
PLUMBING LEGEND

WASTE PIPING (W.)	
VENT PIPING (V.)	
COLD WATER PIPING (C.W.)	
HOT WATER PIPING (H.W.)	
HOT WATER RETURN PIPING (H.W.R.)	
H.W. FLOW SPLITTER W/BALL VALVES	
GAS PIPING (G.)	
BALL VALVE	
GATE VALVE	
H.W.R. AUTOMATIC VALVE	
CHECK VALVE	
UNION	
VENT THRU ROOF	VTR
CLEANOUT	C.O.
FLOOR CLEANOUT	F.C.O.
WALL CLEANOUT	W.C.O.
MECHANICAL ROOM FLOOR DRAIN	M.R.F.D.
FLOOR DRAIN	F.D.
FLOOR SINK	F.S.
BELOW GRADE	B.G.
ABOVE FINISHED FLOOR	A.F.F.



DETAIL - FLOOR DRAIN OR MECHANICAL ROOM FLOOR DRAIN WITH WATERLESS TRAP SEAL

N.T.S.



DETAIL - P-16 GAS-FIRED WATER HEATER

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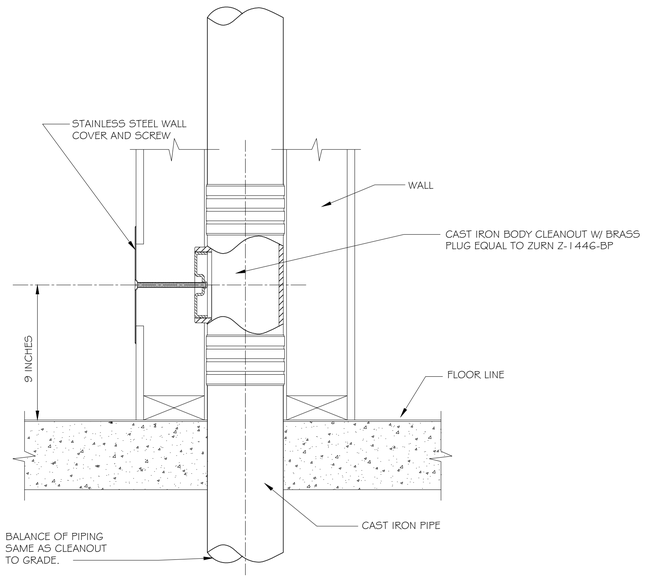
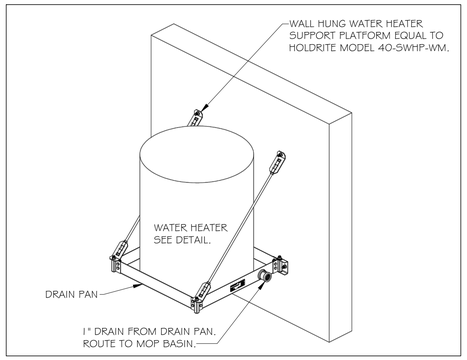


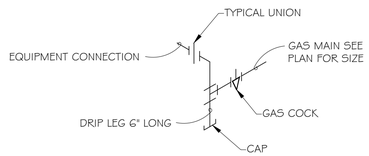
WALL CLEANOUT (W.C.O.)

N.T.S.



WATER HEATER MOUNTING DETAIL

SCHEMATIC-NO SCALE



DETAIL - TYPICAL GAS EQUIPMENT CONNECTION

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PLUMBING FIXTURE SCHEDULE & DETAILS

Sheet Number

P-2.1

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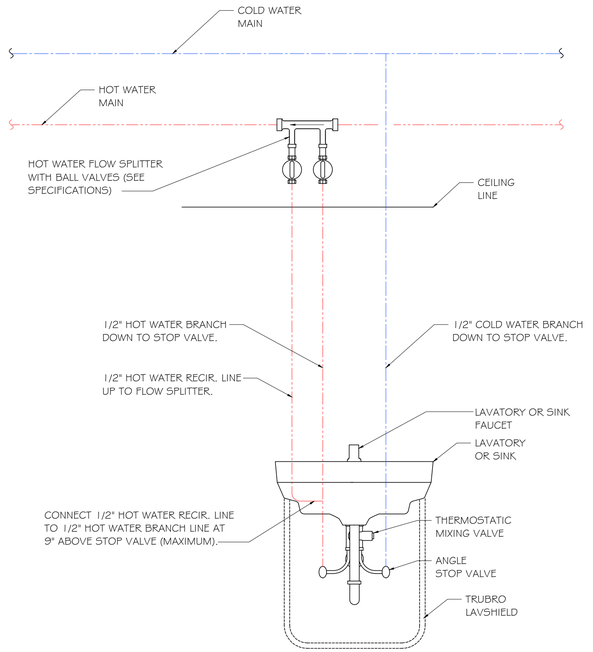
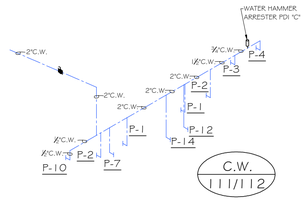


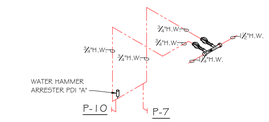
DETAIL - PIPING DIAGRAM FOR HOT WATER FLOW SPLITTER

N.T.S.



COLD WATER RISER DIAGRAM

N.T.S.



HOT WATER RISER DIAGRAM

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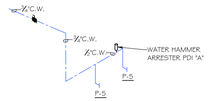

COLD WATER RISER DIAGRAM

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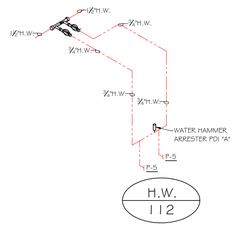

HOT WATER RISER DIAGRAM

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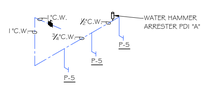
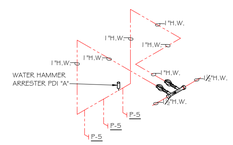


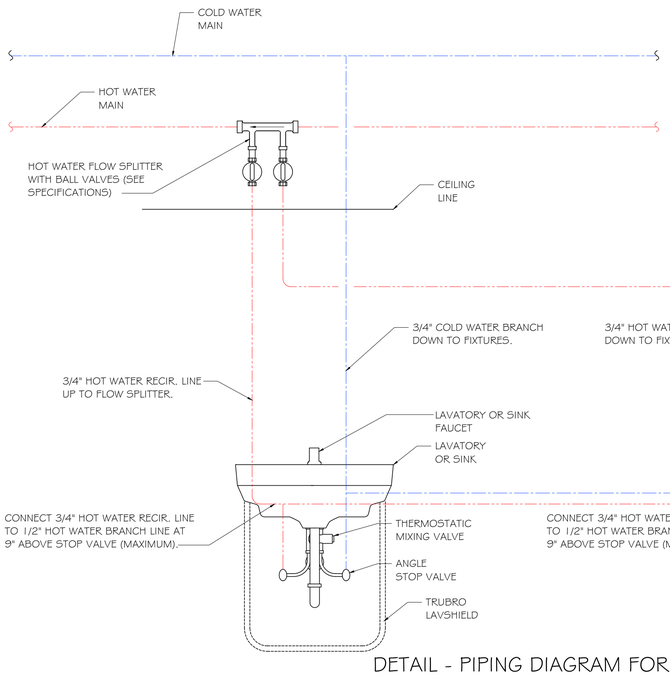
COLD WATER RISER DIAGRAM

N.T.S.



HOT WATER RISER DIAGRAM

N.T.S.



DETAIL - PIPING DIAGRAM FOR HOT WATER FLOW SPLITTER SERVING MULTIPLE FIXTURES

N.T.S.

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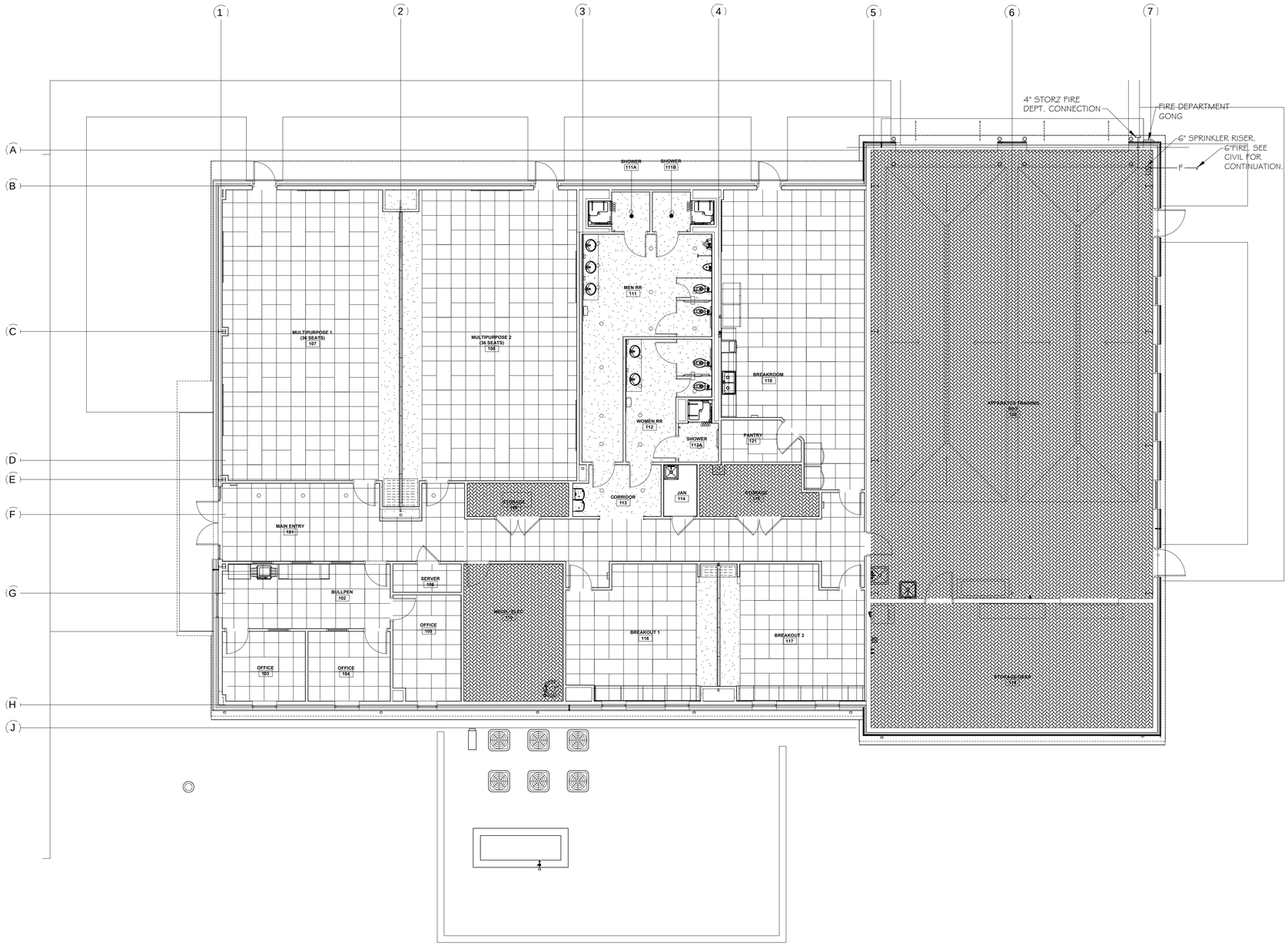

1 FS-1.1 FLOOR PLAN - PLUMBING - SPRINKLER SYSTEM

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

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GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER W. A. SHERRER, JR.

FAYETTE COUNTY FIRE TRAINING BUILDING

340 HEWELL ROAD
JONESBORO, GA 30238

ISSUED FOR PERMIT

Project Number:	21-772
Date:	11/03/2023
Drawn By:	WAS
Checked By:	WAS

Revisions:

No.	Date	Description

Sheet Description

FLOOR PLAN - SPRINKLER SYSTEM

Sheet Number

FS-1.1

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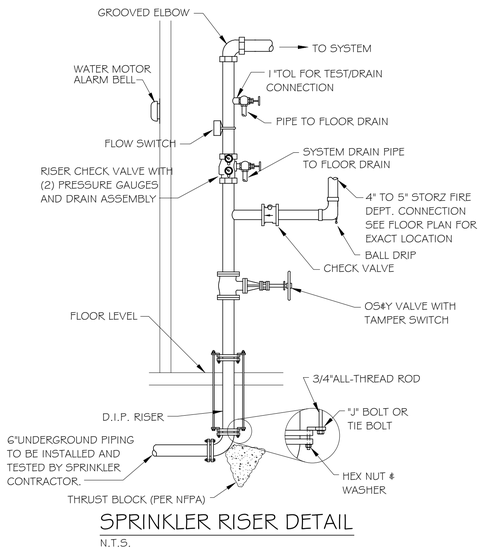

SPRINKLER RISER DETAIL

N.T.S.

FIRE PROTECTION GENERAL NOTES

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BID. CONTRACTOR SHALL VERIFY EXACT SIZE, LOCATION, ELEVATION OF EXISTING STRUCTURE, CEILINGS, MECHANICAL, AD ELECTRICAL PRIOR TO INSTALLING ANY NEW PIPE.
2. CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH ALL STRUCTURAL, ELECTRICAL AND MECHANICAL FEATURES OF THE BUILDING.
3. ALL HORIZONTAL PIPING IS RAN ABOVE THE CEILING OR IN JOIST SPACE. ALL PIPING SHALL DRAIN DOWN AS REQUIRED BY NFPA 13. PIPING TO BE INSTALLED TO CONCEAL AS MUCH AS POSSIBLE.
4. INSTALL ALL FIRE PROTECTION MATERIALS IN AREAS WITH EXPOSED CEILINGS IN A NEAT FIRST CLASS MANNER. ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH INDUSTRY BEST PRACTICES. PIPING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE UNLESS INDICATED OTHERWISE.
5. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING PROJECT ENGINEERS FOR INSPECTIONS AND TESTING. PROVIDE A MINIMUM OF A WEEK NOTICE.
6. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR NEW WORK AREAS, CEILING HEIGHTS, SECTIONS AND RATED WALLS.
7. CONTRACTOR RESPONSIBLE FOR COORDINATION OF PIPING WEIGHT AND LOCATION PRIOR TO INSTALLATION OF ANY PIPE.
8. PIPING LAYOUT AND SIZING SHOWN ON PLANS IS DIAGRAMMATIC AND SHOWN FOR SPACE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR LAYOUT SHOP DRAWINGS, CALCULATIONS, SUBMITTAL DATA, TESTING , OWNER TRAINING AND CERTIFYING SYSTEM MEETS NFPA 13 AND CONTRACT DOCUMENTS.

FIRE PROTECTION HYDRAULIC DEMANDS

1. SPRINKLER PROTECTION
   A. ALL OFFICE, WAITING AREAS, SLEEPING, EDUCATIONAL AREAS, CORRIDORS: LIGHT HAZARD or 0.10 GPM/SQ FT OVER HYDRAULICALLY MOST REMOTE 1500 SQ.FT.
   B. MECHANICAL EQUIPMENT ROOMS, TRANSFORMER ROOMS, GENERAL PURPOSE STORAGE LESS THAN 100 SQ. FT.: ORDINARY HAZARD, GROUP 1, OR 0.15 GPM OVER HYDRAULICALLY MOST REMOTE 1500 SQ. FT.
2. HYDRAULIC CALCULATION SHALL BE CALCULATED WITH 10 PSI SAFETY FACTOR OF SUPPLY CURVE.
3. FLOW DATA AND CALCULATIONS TO BE THE RESPONSIBILITY OF CONTRACTOR.

LEGEND

NEW BUILDING & ATTIC AREAS TO BE SPRINKLED.
SYSTEM TYPE - WET PIPE
OCCUPANCY CLASSIFICATION - LIGHT HAZARD

NEW BUILDING & ATTIC AREAS TO BE SPRINKLED.
SYSTEM TYPE - WET PIPE
OCCUPANCY CLASSIFICATION - ORDINARY GROUP 1

FIRE PROTECTION SHOP DRAWINGS AND SUBMITTALS

1. PROVIDE A NFPA 13 COMPLIANT SYSTEM TO PROVIDE COVERAGE TO NEW WORK AREA. CONTRACTOR RESPONSIBLE TO PROVIDE DETAILED SHOP DRAWINGS AND CALCULATIONS COMPLETE.
2. SHOP DRAWINGS SHALL INCLUDE:
   A. A REFLECTED CEILING PLAN INDICATING LOCATION OF SPRINKLER HEADS, LIGHTS, CEILING DEVICES, GRILLES, AUDIO VISUAL AND ANY DEVICES ATTACHED TO LIFT OUT CEILINGS. ALL SPRINKLER HEADS IN LAYIN CEILINGS TO BE CENTERED IN TILES.
   B. PREPARE A WORKING PIPE SHOP DRAWING BASED ON HYDRAULIC CALCULATIONS. THE PIPING DRAWINGS SHALL INDICATE THE ELEVATION OF THE PIPE, THE CONFIGURATION OF THE PIPING AND HANGERS, SIZE OF THE PIPE AND COORDINATION OF PIPING WITH OTHER DISCIPLINES, STRUCTURE AND DUCTWORK.
   C. HYDRAULIC CALCULATIONS ARE TO BE PREPARED USING A FLOW TEST WITHIN 90 DAYS.
   D. THE CONTRACTOR IS RESPONSIBLE FOR INCORPORATING LOCAL AUTHORITY HAVING JURISDICTION COMMENTS FOR COMPLIANCE.
   E. ALL ADDITIONAL MATERIALS TO BE INDICATED ON SHOP DRAWINGS.
   F. ALL LOW-POINT DRAIN DOWN LOCATION AND PENETRATIONS OF BUILDING STRUCTURE TO BE INDICATED ON SHOP DRAWINGS.
3. CONTRACTOR SHALL BE LICENSED IN THE STATE IN WHICH THE WORK IS PREFORMED. THE CONTRACTOR SHALL BE A NICET LEVEL III OR LEVEL IV OR SPECIAL HAZARD SUPPRESSION SYSTEMS.
4. ALL ELECTRICAL FIRE ALARM REQUIREMENTS TO BE COORDINATED WITH THE ELECTRICAL. THE FLOW AND TAMPER SWITCHES TO BE PROVIDED UNDER FIRE PROTECTION CONTRACT. CONDUIT, ALARM WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER. COORDINATION OF THE PROGRAMMING SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACT AND SHALL BE COORDINATED WITH ELECTRICAL.
5. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WITHIN 45 DAYS PRIOR TO THE START OF THE SPRINKLER SYSTEM INSTALLATION.

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SPRINKLER SYSTEM DETAILS & NOTES

Sheet Number

FS-1.2

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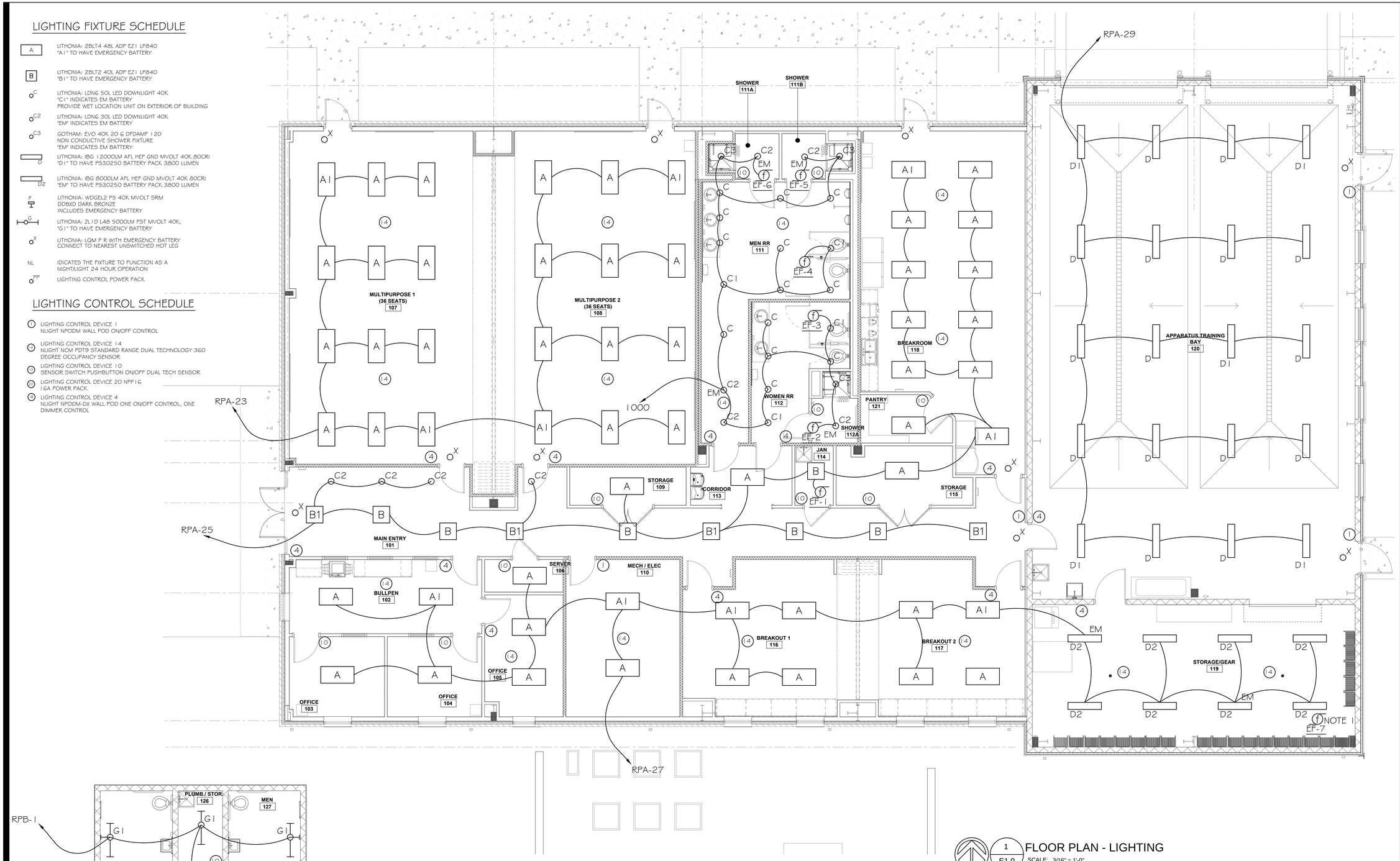
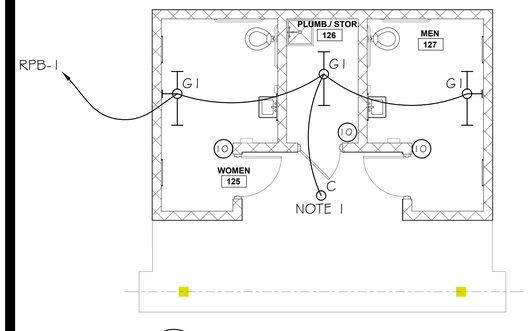
LIGHTING FIXTURE SCHEDULE

A	LITHONIA: 2BLT4 48L ADP EZ1 LP840 "A1" TO HAVE EMERGENCY BATTERY
B	LITHONIA: 2BLT2 40L ADP EZ1 LP840 "B1" TO HAVE EMERGENCY BATTERY
C	LITHONIA: LDN6 50L LED DOWNLIGHT 40K "C1" INDICATES EM BATTERY PROVIDE WET LOCATION UNIT ON EXTERIOR OF BUILDING
C2	LITHONIA: LDN6 30L LED DOWNLIGHT 40K "EM" INDICATES EM BATTERY
C3	GOTHAM: EVO 40K 20 6 DFDAMF 120 NON CONDUCTIVE SHOWER FIXTURE "EM" INDICATES EM BATTERY
D	LITHONIA: IBG 12000LM AFL HEF GND MVOLT 40K 80CRI "D1" TO HAVE PS30250 BATTERY PACK 3800 LUMEN
D2	LITHONIA: IBG 8000LM AFL HEF GND MVOLT 40K 80CRI "EM" TO HAVE PS30250 BATTERY PACK 3800 LUMEN
F	LITHONIA: WDGEL2 P5 40K MVOLT SRM DDBXD DARK BRONZE INCLUDES EMERGENCY BATTERY
G	LITHONIA: ZL1D L48 5000LM FST MVOLT 40K; "G1" TO HAVE EMERGENCY BATTERY
X	LITHONIA: LQM P R WITH EMERGENCY BATTERY CONNECT TO NEAREST UNSWITCHED HOT LEG
NL	IDICATES THE FIXTURE TO FUNCTION AS A NIGHT/LIGHT 24 HOUR OPERATION
PP	LIGHTING CONTROL POWER PACK

LIGHTING CONTROL SCHEDULE

1	LIGHTING CONTROL DEVICE 1 NLIGHT NPODM WALL POD ON/OFF CONTROL
14	LIGHTING CONTROL DEVICE 14 NLIGHT NCM PDT9 STANDARD RANGE DUAL TECHNOLOGY 360 DEGREE OCCUPANCY SENSOR
10	LIGHTING CONTROL DEVICE 10 SENSOR SWITCH PUSHBUTTON ON/OFF DUAL TECH SENSOR
20	LIGHTING CONTROL DEVICE 20 NPP16 16A POWER PACK
4	LIGHTING CONTROL DEVICE 4 NLIGHT NPODM-DX WALL POD ONE ON/OFF CONTROL, ONE DIMMER CONTROL





2 / E1.0 FLOOR PLAN - LIGHTING

SCALE:

DRAWING NOTES:

1. CONTROL EXTERIOR FIXTURE WITH PHOTO CELL.

1 / E1.0 FLOOR PLAN - LIGHTING

SCALE: 3/16" = 1'-0"

DRAWING NOTES:

1. PROVIDE AND INSTALL WALL MOUNTED TIMER SWITCH (10,20,30 MINUTE CAPABLE) TO OPERATE FAN EF-7 PER MECHANICAL SCHEDULE. POWER FROM UNSWITCHED LEG OF LIGHTING CIRCUIT.

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FAYETTE COUNTY FIRE TRAINING BUILDING

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FLOOR PLAN - LIGHTING

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E1.0

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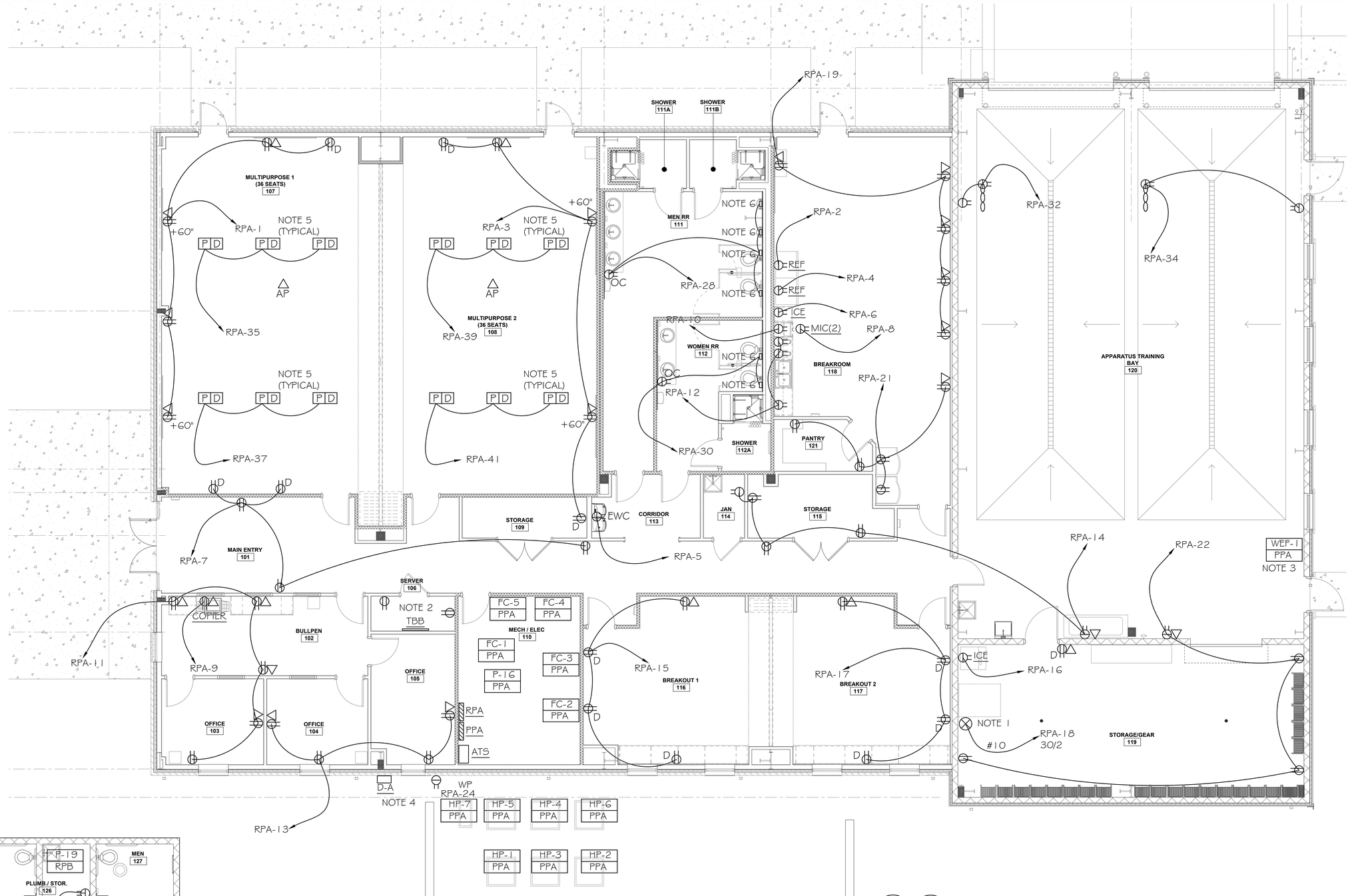

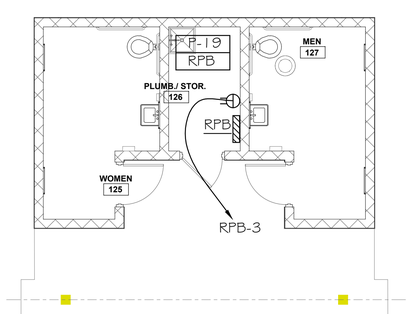

2 E2.0 FLOOR PLAN - POWER

SCALE: 3/16" = 1'-0"

1 E2.0 FLOOR PLAN - POWER

SCALE: 3/16" = 1'-0"

DRAWING NOTES:

1. VERIFY EXACT ELECTRICAL REQUIREMENTS OF UNIT PROVIDED TO JOB BEFORE ROUGH-IN. EXACT UNIT WAS NOT KNOWN AT TIME OF DESIGN.
2. COORDINATE THE POWER CONFIGURATION IN THE IT CLOSET WITH THE INSTALLING VENDOR BEFORE ROUGH-IN. PROVIDE ALL POWER NEEDED FOR EQUIPMENT.
3. PROVIDE ALL NEEDED 120V POWER AND WIRING FOR INTERLOCKING LOUVERS WITH THIS FAN.
4. COORDINATE EXACT LOCATION OF SERVICE DISCONNECT WITH ARCHITECT BEFORE ROUGH-IN.
5. COORDINATE THE EXACT LOCATION OF THESE FLOOR BOXES WITH THE ARCHITECTS LAYOUT.
6. PROVIDE 120V POWER AS NEEDED FOR SENSOR FLUSH VALVES. INSTALL RECESSED BOXES AND WIRING AS CALLED FOR IN THE INSTALLATION INSTRUCTIONS FOR SLOAN MODEL OR OTHER SELECTED MANUFACTURER. SEE ROUGH-IN INSTRUCTIONS BEFORE BEGINNING WORK. COORDINATE WITH PLUMBING CONTRACTOR.

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FAYETTE COUNTY FIRE TRAINING BUILDING

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FLOOR PLAN - POWER

Sheet Number

E2.0

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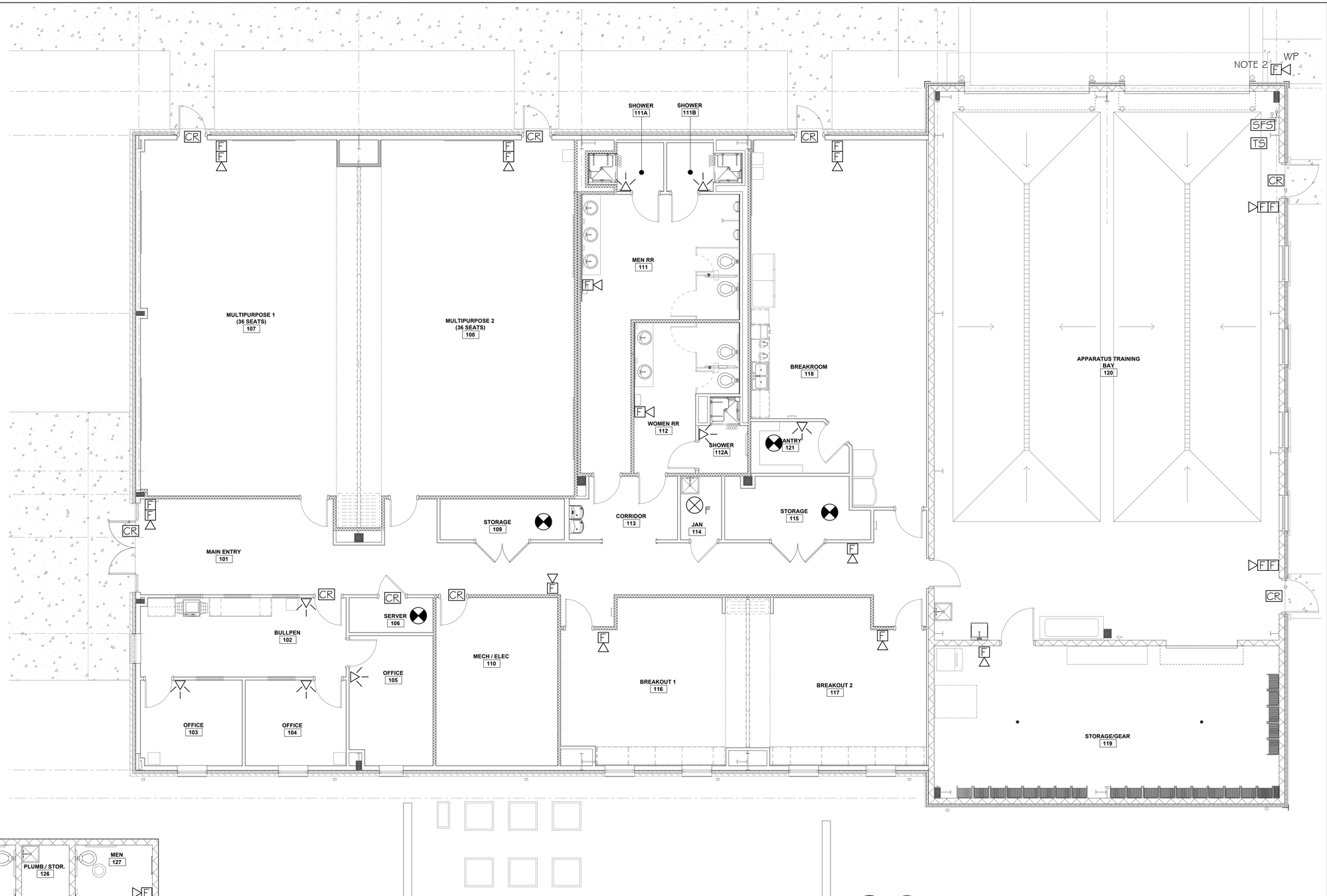

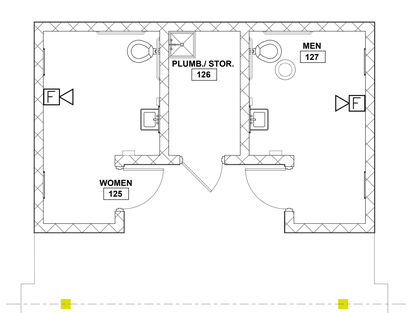

2 / E3.0 FLOOR PLAN - FIRE ALARM
SCALE: 3/16" = 1'-0"

1 / E3.0 FLOOR PLAN - FIRE ALARM
SCALE: 3/16" = 1'-0"

DRAWING NOTES

NOTES:
1. COORDINATE FIRE ALARM WORK WITH LOCAL OFFICIALS AND CODES. FINAL LAYOUT OF DEVICES SHALL BE DONE BY NECET CERTIFIED DESIGNER AND APPROVED BY LOCAL OFFICIALS.
2. MOUNT AT FDC LOCATION. COORDINATE WITH FIRE SPRINKLER.

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FLOOR PLAN - FIRE ALARM

Sheet Number

E3.0

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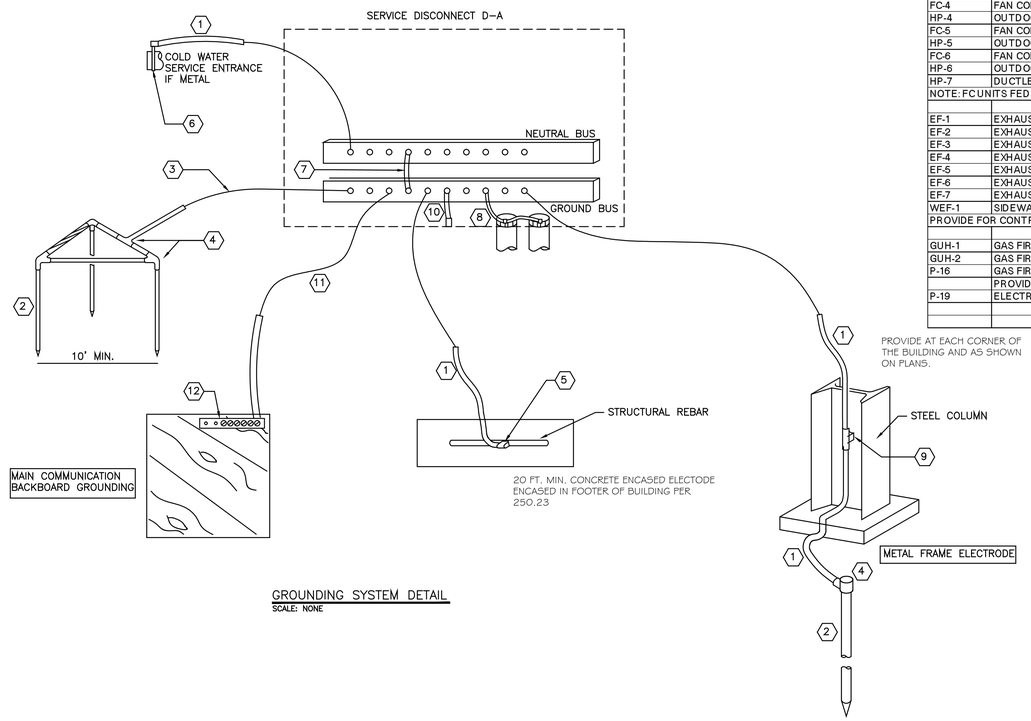


GROUNDING SYSTEM DETAIL
SCALE: NONE

GROUNDING SYSTEM DETAIL – KEY NOTES

1. 2/0 BARE GROUNDING ELECTRODE CONDUCTOR PER 250.66
2. 3/4" X 10' COPPER CLAD STEEL GROUND ROD, DRIVEN 24" BELOW GRADE MIN.
3. #6 BARE GROUNDING ELECTRODE CONDUCTOR IN PVC-40.
4. EXOTHERMIC WELD CONNECTOR: TWO CABLES TO GROUND ROD, CADWELD CABLE TO CABLE TEE, CADWELD ONE CABLE TO GROUND ROD
5. EXOTHERMIC WELD CABLE TO REBAR, CADWELD.
6. LISTED CONNECTION PER NEC 250 WITHIN 5FT OF BUILDING
7. 2/0 CAST BRONZE UL LISTED GROUND CLAMP
8. BONDING JUMPER TO GROUNDING BUSHING AND BONDING JUMPERS FROM CONDUIT TO CONDUIT. ALL CONDUIT CONNECTED TO THE SERVICE ENTRANCE ENCLOSURE SHALL BE BONDED AND SIZED PER NEC 250
9. EXOTHERMIC WELD CABLE TO FLAT STEEL
10. MAIN BONDING JUMPER SIZED BY MANUFACTURER PER NEC 250
11. #4 BONDING JUMPER IN 2" PVC-40
12. CHATSWORTH BICSI AND ANSI GROUNDING BUSBAR 13622-010

EQUIPMENT CALCULATIONS

MARK	DESCRIPTION	VA	BREAKER AMPS	BREAKER POLES	DISCONNECT	WIRE	VOLTS	REMARKS
FC-1	FAN COIL UNIT	6800	50	2	NEMA1 60/2	2#8&1#10(G)-3/4"C	208	
HP-1	OUTDOOR SECTION HEAT PUMP	5012	50	2	NEMA-3R 60/2	2#8&1#10(G)-3/4"C	208	
FC-2	FAN COIL UNIT	6800	50	2	NEMA1 60/2	2#8&1#10(G)-3/4"C	208	
HP-2	OUTDOOR SECTION HEAT PUMP	3972	40	2	NEMA-3R 60/2	2#8&1#10(G)-3/4"C	208	
FC-3	FAN COIL UNIT	6800	50	2	NEMA1 60/2	2#8&1#10(G)-3/4"C	208	
HP-3	OUTDOOR SECTION HEAT PUMP	5012	50	2	NEMA-3R 60/2	2#8&1#10(G)-3/4"C	208	
FC-4	FAN COIL UNIT	6800	50	2	NEMA1 60/2	2#8&1#10(G)-3/4"C	208	
HP-4	OUTDOOR SECTION HEAT PUMP	3972	40	2	NEMA-3R 60/2	2#8&1#10(G)-3/4"C	208	
FC-5	FAN COIL UNIT	6800	50	2	NEMA1 60/2	2#8&1#10(G)-3/4"C	208	
HP-5	OUTDOOR SECTION HEAT PUMP	3972	40	2	NEMA-3R 60/2	2#8&1#10(G)-3/4"C	208	
FC-6	FAN COIL UNIT	6800	50	2	NEMA1 60/2	2#8&1#10(G)-3/4"C	208	
HP-6	OUTDOOR SECTION HEAT PUMP	2724	30	2	NEMA-3R 30/2	2#10&1#10(G)-3/4"C	208	
HP-7	DUCTLESS SPLIT SYSTEM UNIT	1131	20	2	NEMA-3R 30/2	3#12-1/2"C	208	
NOTE: FC UNITS FED FROM HP-7, PROVIDE POWER WIRING AS REQUIRED BY MANUFACTURER								
EF-1	EXHAUST FAN	11	20	1	FURNISHED	3#12-1/2"C	120	
EF-2	EXHAUST FAN	11	20	1	FURNISHED	3#12-1/2"C	120	
EF-3	EXHAUST FAN	40	20	1	FURNISHED	3#12-1/2"C	120	
EF-4	EXHAUST FAN	135	20	1	FURNISHED	3#12-1/2"C	120	
EF-5	EXHAUST FAN	11	20	1	FURNISHED	3#12-1/2"C	120	
EF-6	EXHAUST FAN	11	20	1	FURNISHED	3#12-1/2"C	120	
EF-7	EXHAUST FAN	80	20	1	FURNISHED	3#12-1/2"C	120	
WEF-1	SIDEWALL MTD FAN	1200	20	1	FURNISHED	3#12-1/2"C	120	
PROVIDE FOR CONTROLS ON ALL EF'S AS CALLED OUT IN THE MECHANICAL SCHEDULE								
GUH-1	GAS FIRE UNIT HEATER	850	20	1	MOTOR SWITCH	3#12-1/2"C	120	
GUH-2	GAS FIRE UNIT HEATER	850	20	1	MOTOR SWITCH	3#12-1/2"C	120	
P-16	GAS FIRED WATER HEATER	200	20	1	MOTOR SWITCH	3#12-1/2"C	120	
	PROVIDE 120V POWER AS NEEDED FOR RECIRC PUMP							
P-19	ELECTRIC WATER HEATER	3500	30	2	MOTOR SWITCH	2#10&1#10(G)-3/4"C	208	

PANEL RPA — MINIMUM INTERRUPTING RATING 28000 AMPS
NQOD — SURFACE MOUNTED
120/208V,3PH,4W — 150 AMPS — MAIN LUGS ONLY

CKT NO	DESCRIPTION	BREAKERS POLE	AMP	VA	VA	BREAKERS AMP	POLE	DESCRIPTION	CKT NO
1	REC	1	20	1000	750	20	1	REF	2
3	REC	1	20	1000	750	20	1	REF	4
5	EWC	1	20	750	750	20	1	ICE	6
7	REC	1	20	1000	750	20	1	MICROWVE	8
9	COPIER	1	20	500	750	20	1	MICROWVE	10
11	REC	1	20	1000	600	20	1	KIT REC	12
13	REC	1	20	800	1000	20	1	REC	14
15	REC	1	20	800	1500	20	1	ICE	16
17	REC	1	20	800	2000	30	2	EXTRACTOR	18
19	REC	1	20	1000			*		20
21	REC	1	20	1000	800	20	1	REC	22
23	LTS	1	20	1200	200	20	1	EXT REC	24
25	LTS	1	20	1450	1200	20	1	WEF-1	26
27	LTS	1	20	1300	500	20	1	BTHRM REC	28
29	LTS	1	20	1600	500	20	1	BTHRM REC	30
31	HP-7	2	20	1131	500	20	1	BAY REC	32
33	*				500	20	1	BAY REC	34
35	FLOOR REC	1	20	600	200	20	1	P-16&PUMP	36
37	FLOOR REC	1	20	600				SPACE	38
39	FLOOR REC	1	20	600				SPACE	40
41	FLOOR REC	1	20	600				SPACE	42
TOTAL				31981 VA					

PANEL PPA — MINIMUM INTERRUPTING RATING 28000 AMPS
NQOD — SURFACE MOUNT
120/208V,3PH,4W — 600 AMPS — MAIN LUGS ONLY

CKT NO	DESCRIPTION	BREAKERS POLE	AMP	VA	VA	BREAKERS AMP	POLE	DESCRIPTION	CKT NO
1	FC-1	2	50	6800	5012	50	2	HP-1	2
3	*							*	4
5	FC-2	2	50	6800	3972	40	2	HP-2	6
7	*							*	8
9	FC-3	2	50	6800	5012	50	2	HP-3	10
11	*							*	12
13	FC-4	2	50	6800	3972	40	2	HP-4	14
15	*							*	16
17	FC-5	2	50	6800	3972	40	2	HP-5	18
19	*							*	20
21	FC-6	2	50	6800	2724	30	2	HP-6	22
23	*							*	24
25	SPACE							SPACE	26
27	SPACE							SPACE	28
29	SPACE							SPACE	30
31	SPACE				5300	100	3	PANEL RPB	32
33	SPACE							*	34
35	SPACE							*	36
37	SPACE				31981	200	3	PANEL RPA	38
39	SPACE							*	40
41	SPACE							*	42
TOTAL				102745 VA					

ELECTRICAL SYMBOLS

- WALL OUTLET, DUPLEX OUTLET, 20 A, 125 V, GROUNDED, GROUND FAULT CIRCUIT INTERUPTER, HUBBELL #GF-5362-GY
- WALL OUTLET, DUPLEX OUTLET, 20 A, 125 V, GROUNDED, HUBBELL #5362
- WALL OUTLET, DOUBLE DUPLEX OUTLET, 20 A, 125 V, GROUNDED, HUBBELL #5362
- PROVIDE OUTLET TYPE AS DIRECTED BY MANUFACTURER
- PROVIDE HEAVY DUTY CHORD REEL WITH GFCI OUTLET COORDINATE MOUNTING WITH STRUCTURE
- LIGHTING / POWER PANEL - SEE SPECIFICATIONS AND PANELBOARD SCHEDULES
- •UP INDICATES CONDUIT STUB UP •DN INDICATES CONDUIT STUB DOWN
- BRANCH CIRCUIT CONCEALED IN FLOOR OR GROUND
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- HOME RUN TO PANELBOARD, ANY CIRCUIT WITHOUT FURTHER DESIGNATION
- 2#12 - 1/2 "C
- 3#12 - 1/2 "C
- 4#12 - 1/2 "C ETC, PER NATIONAL ELECTRICAL CODE
- E EMPTY CONDUIT - 3/4 "C UNLESS OTHERWISE NOTED
- BRANCH CIRCUIT EXPOSED
- 1 EXHAUST FAN MOTOR-FURNISHED BY OTHERS, CONNECTION BY ELECTRICAL CONTRACTOR
- FUSED DISCONNECT SWITCH

NTS NOT TO SCALE
AFF ABOVE FINISHED FLOOR
EX EXISTING
VER VERIFY LOCATION
RT RAINTIGHT
WP WEATHERPROOF
102 ROOM NUMBER
EWC ELECTRIC WATER COOLER
NL NIGHT LIGHT
RMC RIGID METAL CONDUIT
EMT ELECTRICAL METALLIC TUBING
IMC INTERMEDIATE METAL CONDUIT

WH WATER HEATER
OC OVER COUNTER, SINK, OR CABINET
UC UNDER COUNTER
EF EXHAUST FAN
D DRYER
W WASHER

GROUNDING ELECTRODE PER NEC

- P D POWER/DATA FLOOR BOX: PROVIDE WIREMOLD TWO COMPARTMENT BOX WIREMOLD RPB2-OG SUPPLY WITH TWO DUPLEX RECEPTACLES AND ONE MULTI PORT DATA OUTLET
- F PULL STATION, RELOCATED
- F STROBE HORN, NEW AND RELOCATED
- STROBE ONLY, NEW AND RELOCATED
- FACP FIRE ALARM CONTROL PANEL: EXISTING NOTIFER IN MAIN BUILDING TO REMAIN
- SMOKE DETECTOR, RELOCATED AND NEW
- F HEAT DETECTOR, COMBINATION FIXED AND RATE OF RISE: NEW
- SFS SPRINKLER FLOW SWITCH
- TS SPRINKLER TAMPER SWITCH
- UNIT "MARK", SEE EQUIPMENT CALCULATIONS FOR CIRCUIT CHARACTERISTICS
- UNIT CIRCUIT DESIGNATION

- △ DATA OUTLET CONSISTING OF TWO CAT-6 CABLES TERMINATED ON EACH END CAT-6 CABLE SHALL MEET ALL STANDARDS FOR CAT-6 CABLING AND BE OF AN ACCEPTABLE MANUFACTURER TO OWNER. SEE DATA INSTALLATION NOTES
- △ AP WIRELESS ACCESS POINT CONSISTING OF TWO CAT-6 CABLES TERMINATED ON EACH END CAT-6 CABLE SHALL MEET ALL STANDARDS FOR CAT-6 CABLING AND BE OF AN ACCEPTABLE MANUFACTURER TO OWNER. SEE DATA INSTALLATION NOTES
- CR CARD READER LOCATON: CONTRACTOR SHALL PROVIDE 120V POWER AS NEEDED AT EACH LOCATION

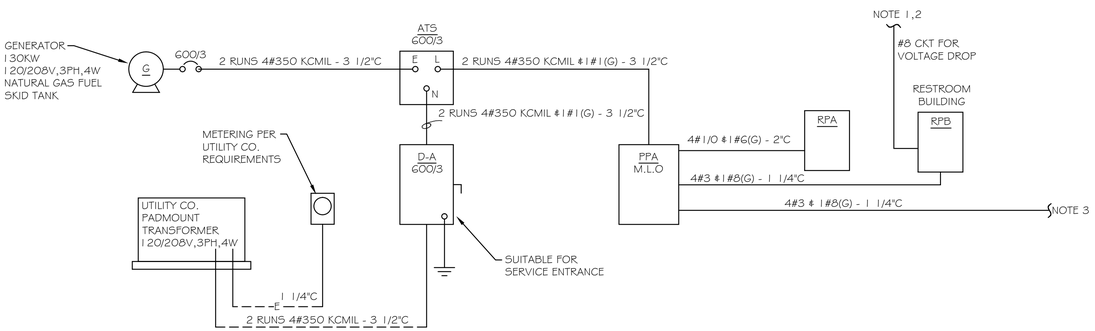
DATA INSTALLATION NOTES:

THE INTENT IS FOR THE COMMUNICATIONS CONTRACTOR TO INSTALL A COMPLETE NETWORK CABLING SYSTEM

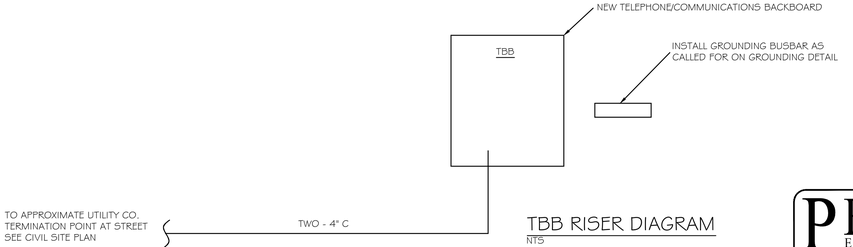
THE SYSTEM WILL CONSIST OF:
(1) CHATSWORTH WALL MOUTNED RACK WITH 15 FT OF 12" LADDER
(2) CHATSWORTH 10: VERTICAL DOUBLE SIDED WIRE MANAGERS
FURNISH AND INSTALL TELECOM GROUNDING BUS BAR
BOND ALL RACKS AND LADDER
FURNISH, INSTALL, TERMINATE, TEST AND LABEL THE TOTAL NUMBER OF DATA DROPS SHOWN ON PLANS
CABLES LOCATED ABOVE ACCESSIBLE CEILINGS WILL BE SUPPORTED BY J-HOOK SYSTEM
CABLES RAN THRU EXPOSED AREAS SHALL BE IN 3/4" EMT CONDUIT
ALL CABLING SHALL BE CERTIFIED CAT 6 DUEL CATEGORY RATED
ALL CABLING SHALL BE TERMINATED INTO CAT 6 48 PORT PATCH PANEL COMPATIBLE TO INSTALLED CABLING
FURNISH AND INSTALL 1 HORIZONTAL RACK MOUNTED POWER STRIP

INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETE SET IF INSTALLATION SHOP DRAWINGS FOR THE OWNERS IT DEPARTMENT TO REVIEW BEFORE INSTALLATION BEGINS.

UPON COMPLETION CERTIFY ALL CABLING AND PROVIDE TEST RESULTS FOR OWNER REVIEW
PROBIDE AS-BUILT DRAWINGS UPON COMPLETION FOR OWNER
PROVIDE PATCH CORDS FOR BOTH ENDS OF CABLING RUN - 7FT BLUE
INSTALLER MUST BE CERTIFIED CABLING AND FIBER OPTIC TECHNICIAN



ELECTRICAL SINGLE LINE DIAGRAM
NTS



TBB RISER DIAGRAM
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ISSUED FOR PERMIT

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Sheet Description

ELECTRICAL SCHEDULES AND DETAILS

Sheet Number

E4.0