

FARM CREDIT OF WESTERN ARKANSAS

Ozark Office

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ROGERS, AR 72756



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Ozark, Arkansas

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Hight Jackson

ASSOCIATES

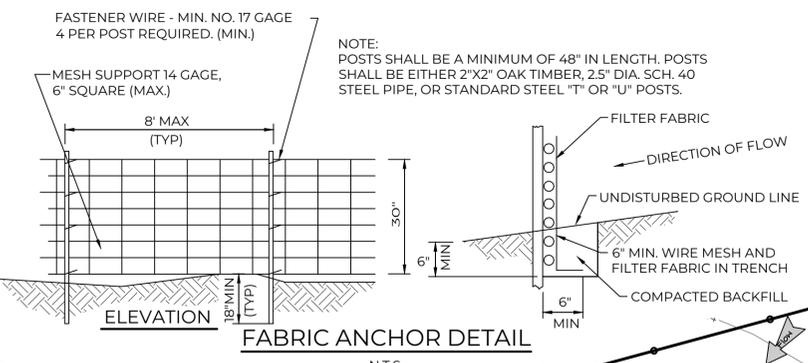
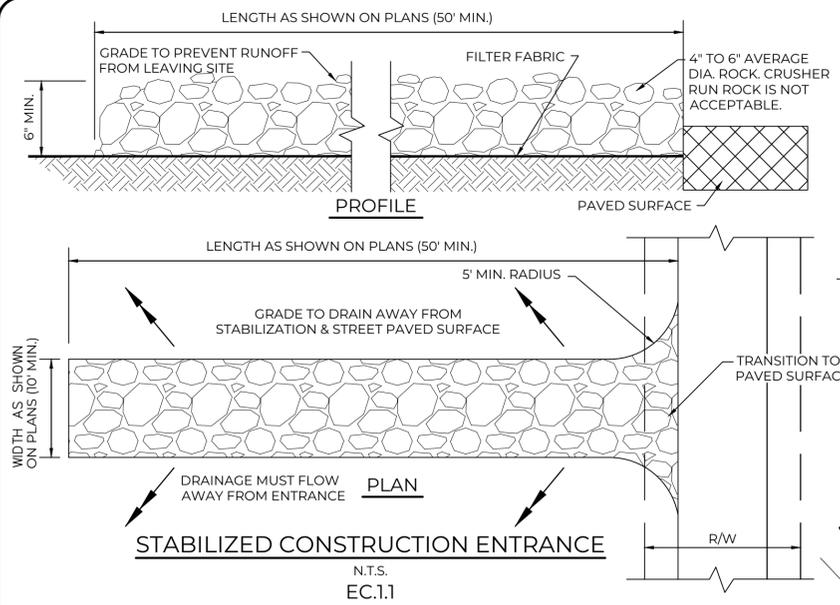
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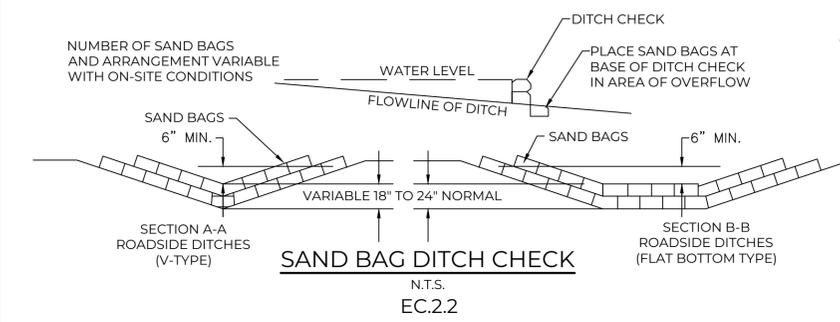
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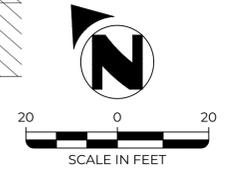
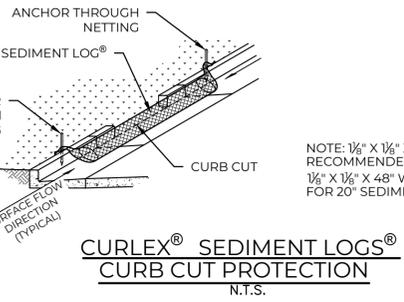
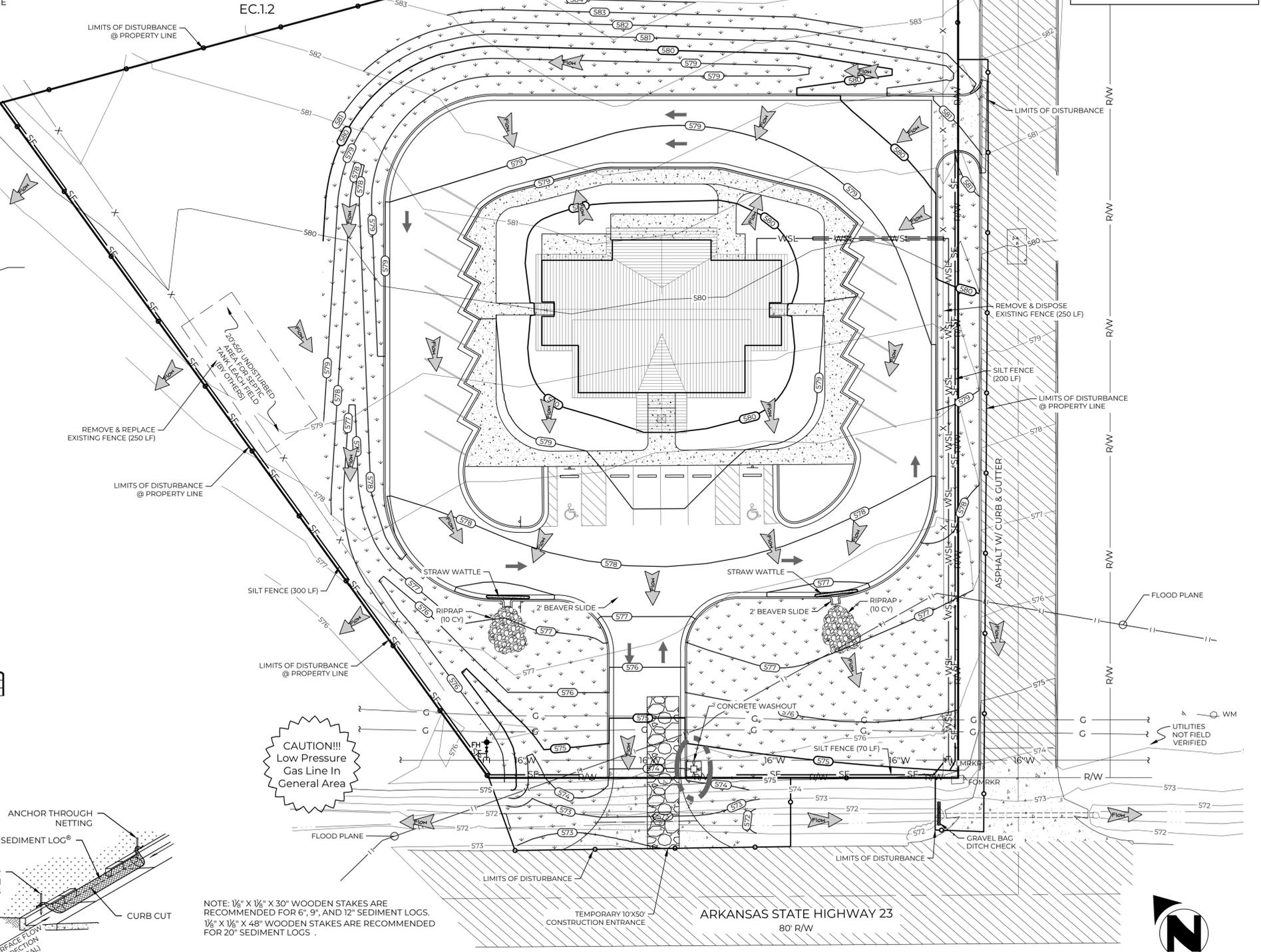
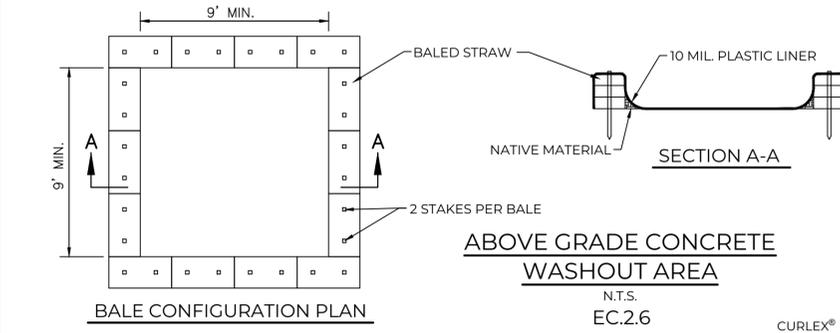


LEGEND

- FLOW ARROW = FLOW ARROW
- SF = SILT FENCE
- GRAVEL BAG DITCH CHECK = GRAVEL BAG DITCH CHECK
- STRAW WATTLE / SEDIMENT LOG = STRAW WATTLE / SEDIMENT LOG
- INLET PROTECTION = INLET PROTECTION
- LIMITS OF DISTURBANCE = LIMITS OF DISTURBANCE
- Concrete Washout = Concrete Washout
- Temp. Construction Entrance = Temp. Construction Entrance



- CONCRETE WASHOUT NOTES:**
- ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
 - STAKES SHALL BE A MINIMUM OF 48" IN LENGTH. STAKES SHALL BE EITHER 2"x2" OAK TIMBER, 2.5" DIA. SCH. 40 STEEL POSTS, OR STANDARD STEEL "T" OR "U" POSTS.
 - SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS.
 - TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF FOUR (4) INCHES.
 - WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT AREA 75% FULL.
 - AT THE END OF CONSTRUCTION, THE CONCRETE WASHOUT AREA AND ALL WASTE CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE. WHEN THE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE TOPSOILED AND SODDED OR OTHERWISE STABILIZED IN A MANNER ACCEPTED BY THE CITY.



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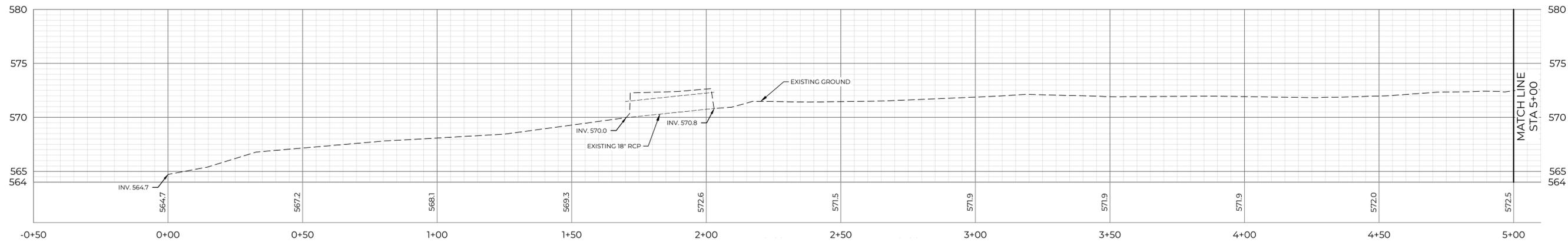
By	Revision	Date

OZARK, FRANKLIN COUNTY, ARKANSAS
FARM CREDIT OZARK

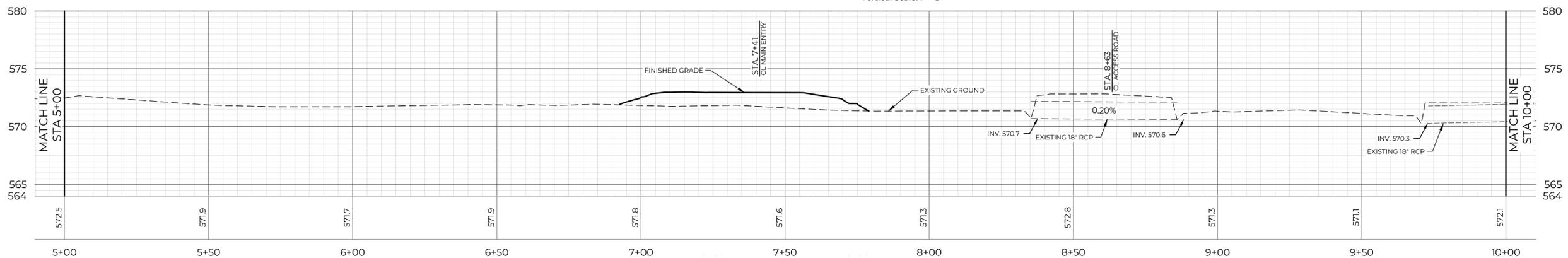
EROSION CONTROL

Job Number 13840 Date DEC 2025
Designed By NG Drawn By JL
Scale 1" = 20'
Sheet Number C-100

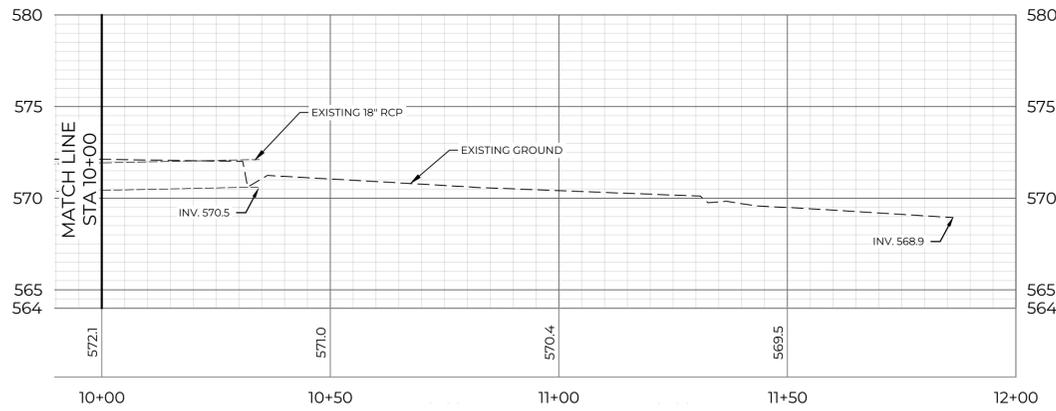
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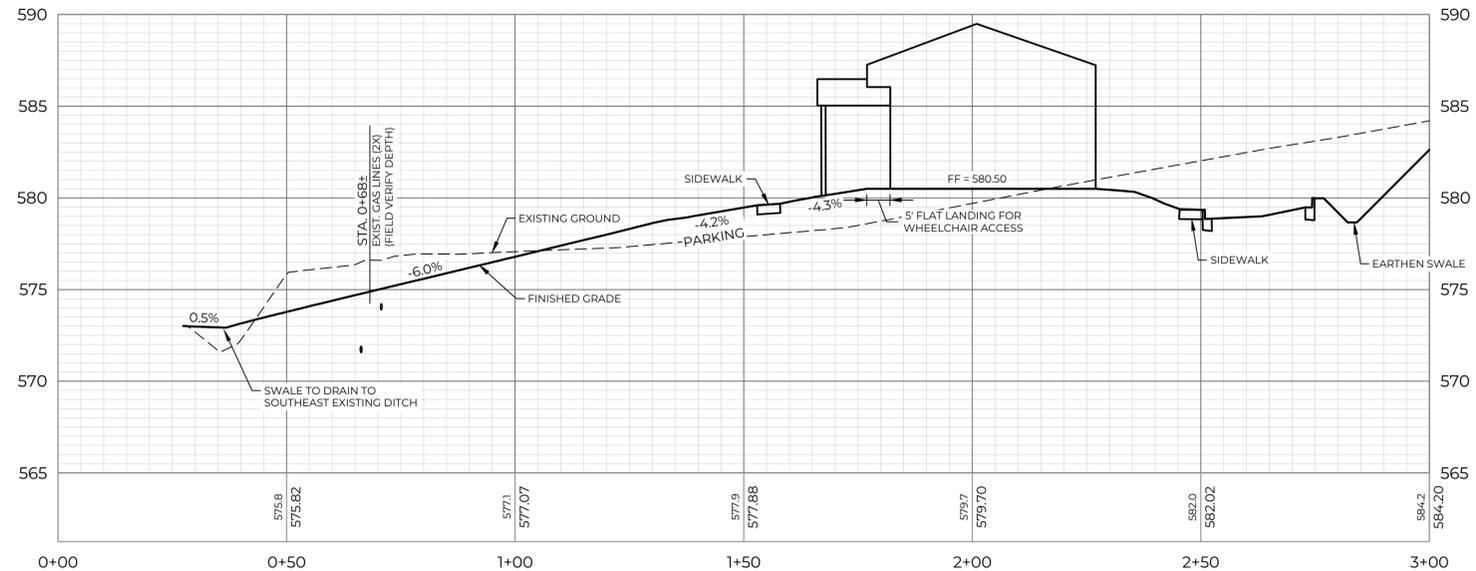
ARDOT DITCH LINE
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 5'



ARDOT DITCH LINE
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 5'



ARDOT DITCH LINE
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 5'



SITE CROSS SECTION A-A
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 5'



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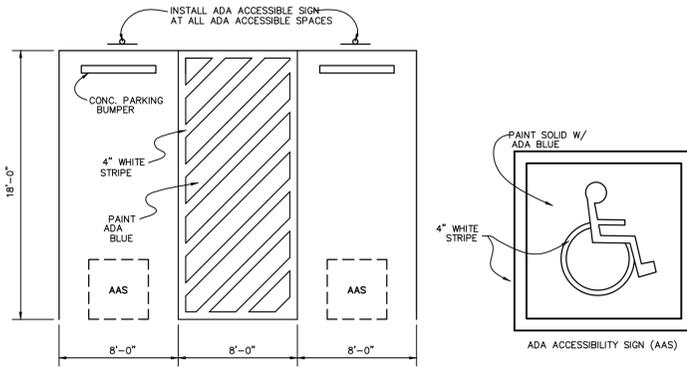
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OSZARK, FRANKLIN COUNTY, ARKANSAS
FARM CREDIT OSZARK

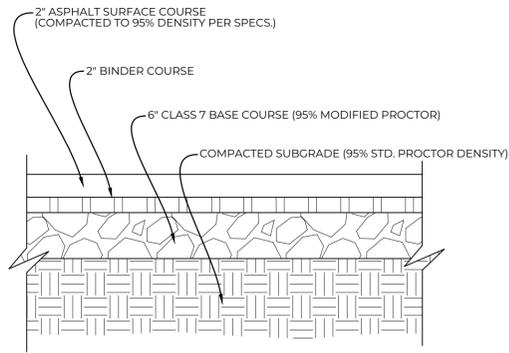
SITE PROFILES

Job Number 13840	Date DEC 2025
Designed By NG	Drawn By JL
Scale 1" = 20'	
Sheet Number C-103	

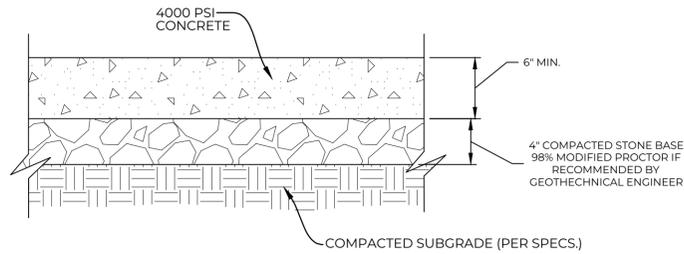
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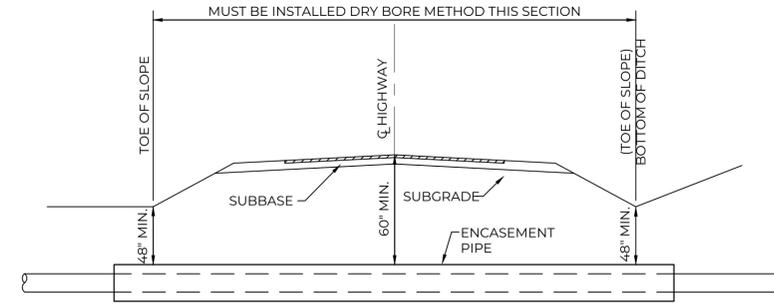
ADA ACCESSIBLE PARKING SPACE LAYOUT
N.T.S.



STANDARD DUTY ASPHALT PAVEMENT SECTION
N.T.S.



STANDARD DUTY CONCRETE PAVEMENT SECTION
N.T.S.



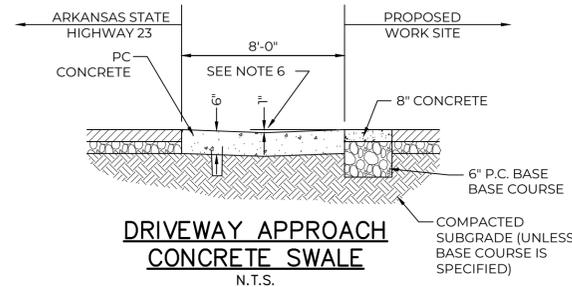
NOTES:

- CASINGS SHALL HAVE A MINIMUM OF 3 FEET (36") COVER TO THE TOP OF THE PIPE BELOW THE PARALLEL DITCH LINES OR 3 1/2 FEET (42") BELOW THE TOP OF THE HIGHWAY SUBGRADE, WHICHEVER GIVES THE GREATER COVER. CASING SHOULD EXTEND THE FULL WIDTH OF THE RIGHT-OF-WAY BUT AS A MINIMUM MUST EXTEND SIX FEET BEYOND THE FLOWLINE OF THE PARALLEL DITCHES, TOE OF THE FORESLOPE, OR BACK OF CURBS AS APPLICABLE FOR THE ROADWAY SECTION.
- ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED.
- BORES SHALL BE PAID FOR PER UNIT FOOT OF BORE WITH LINE INSIDE ENCASEMENT BEING PAID FOR SEPARATELY.
- INSTALL STAINLESS STEEL BAND CASING INSULATORS (MODEL NO. 59 BY J-FOUR PIPELINE PRODUCTS) OR APPROVED EQUAL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- SEAL EACH END WITH ZIPPER END SEALS.
- WATERLINE SHALL BE PLACED ON PVC SKIDS WITHIN ENCASEMENT PIPE.

STANDARD ROADWAY CROSSING DETAIL

N.T.S.

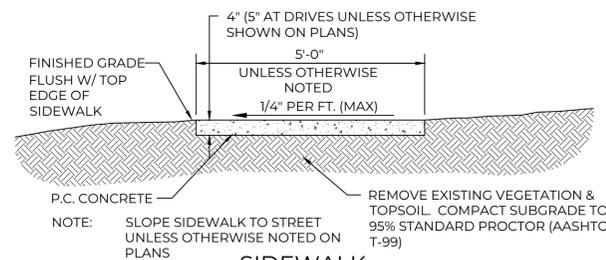
WA.1.1



DRIVEWAY APPROACH CONCRETE SWALE
N.T.S.

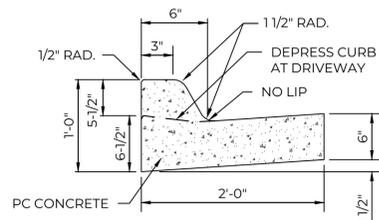
SIDEWALK NOTES:

- ALL CONCRETE SHALL BE CLASS "AA" 3500 psi., AIR-ENTRAINED, FIBER REINFORCED.
- THE SUBGRADE FOR RAMP AND SIDEWALK CONSTRUCTION IS TO BE FIRM AND UNYIELDING SOIL, COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR.
- 1/2" EXPANSION JOINT SHALL BE PLACED AT COLD JOINTS, AT BEGINNING AND END OF RETURN, AND AT MAXIMUM OF 100' INTERVALS.
- CONTRACTION JOINTS SHALL BE CUT AT INTERVALS MATCHING THE SIDEWALK WIDTH WITH A MAXIMUM SPACING OF 6'. CONTRACTION JOINTS IN RAMP AREAS SHALL BE AT 5' MAX. SPACING. DEPTH OF JOINTS SHALL BE EQUAL TO T/4.
- TYPE OF HANDICAP RAMP IDENTIFIED FOR EACH SITE MAY REQUIRE MODIFICATION TO FIT EXISTING FIELD CONDITIONS. DIMENSIONS, LOCATIONS, AND ORIENTATION OF RAMPS WILL VARY IN ORDER TO AVOID EXISTING OBSTACLES AND/OR TO OBTAIN REQUIRED GRADE FOR RAMP. CONTRACTOR TO INSTALL RAMPS AS DIRECTED IN THE FIELD BY THE ENGINEER.
- TYPE 6 RAMP SHALL BE USED ONLY IF EXISTING CONDITIONS PROHIBIT USE OF TYPES 1 THROUGH TYPE 5 RAMPS.
- ADDITIONAL REMOVALS OUTSIDE THE LIMITS SHOWN MAY BE REQUIRED IN ORDER TO OBTAIN THE GRADE FOR RAMPS OR PROVIDE LANDING AREAS.
- THE LENGTH OF THE RAMP SHALL BE SUCH THAT THE SLOPE DOES NOT EXCEED 12:1. IF SITE CONSTRAINTS PREVENT THE CONSTRUCTION OF THE TYPES OF RAMPS SHOWN IN THE DETAILS, THEN AND ONLY THEN CAN THE 12:1 MAXIMUM SLOPE ON THE RAMP BE EXCEEDED TO PROVIDE ACCESS TO THE STREET LEVEL. THE SLOPE CAN BE STEEPENED TO A 10:1 MAXIMUM FOR A MAXIMUM LENGTH OF 5 FEET OR AN 8:1 MAXIMUM FOR A MAXIMUM LENGTH OF 2 FEET. SLOPES STEEPER THAN 8:1 ARE NOT ALLOWED UNDER ANY CIRCUMSTANCES.
- THE MINIMUM WIDTH OF THE RAMPS SHALL BE THE EXISTING WALK WIDTH OR 36", WHICHEVER IS GREATER.
- THE SURFACE TEXTURE OF ALL RAMPS SHALL BE BROOM FINISHED EXCEPT FOR AREAS WITH DETECTABLE WARNING DEVICE.
- THE NORMAL GUTTER GRADE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
- A SAW-CUT TO A MINIMUM DEPTH OF 2 INCHES SHALL BE MADE PRIOR TO REMOVAL OR CONCRETE, ASPHALT, STONE OR BRICK.
- FOR RECONSTRUCTION PROJECTS, IF EXISTING CURB & GUTTER IS IN GOOD CONDITION, CURB SHALL BE SAWCUT AT GUTTER FLOWLINE AND REMOVED.
- FOR PAYMENT PURPOSES, SIDEWALKS WITHIN THE RAMP AREA WILL BE MEASURED AND PAID FOR BY THE SQUARE YARD (SY) AS SIDEWALK AND BY EACH (EA) AS HANDICAP RAMP. TYPE 1 AND TYPE 2 RAMPS WILL COUNT AS 2 RAMPS EACH.



SIDEWALK
N.T.S.

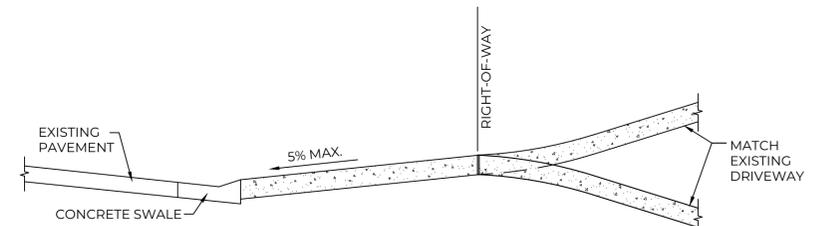
SW.1.1



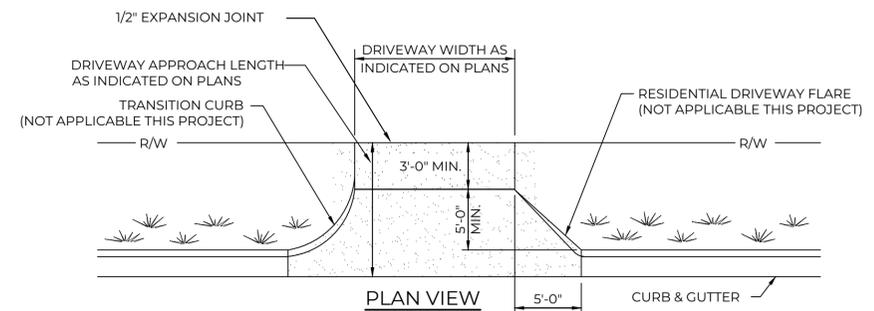
CURB & GUTTER
TYPE "A" (BARRIER)

N.T.S.

ST.2.3



SECTION



DRIVEWAY APPROACH
(SIDEWALK SET BACK FROM CURB)
(BACK OF SIDEWALK AT R/W LINE)

N.T.S.

ST.1.3



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OZARK, FRANKLIN COUNTY, ARKANSAS
FARM CREDIT OZARK

STREET & SIDEWALK DETAILS

Job Number 13840 Date DEC 2025

Designed By NG Drawn By JL

Scale N/A

Sheet Number

C-500



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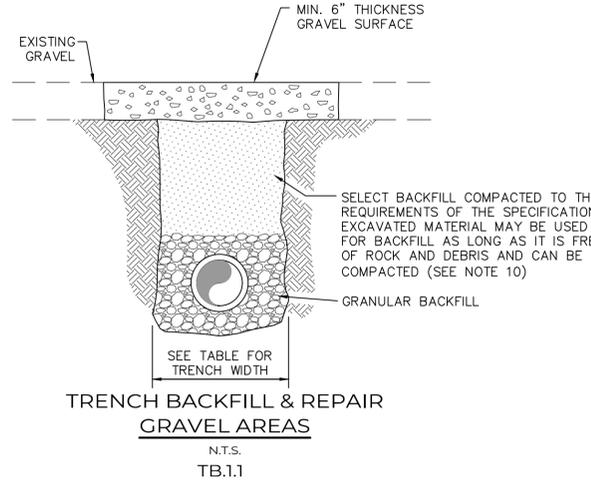
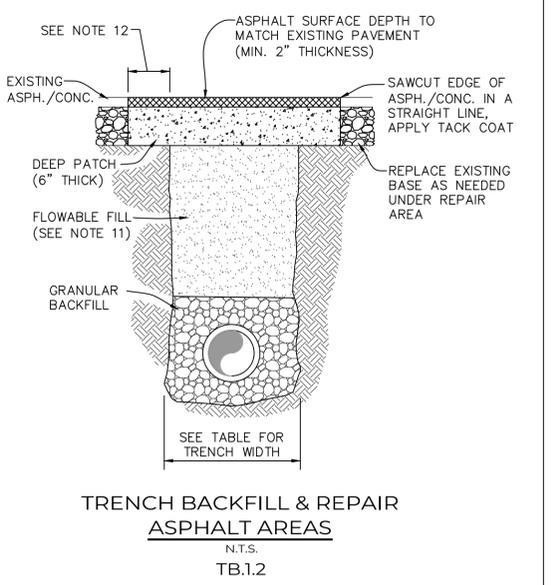
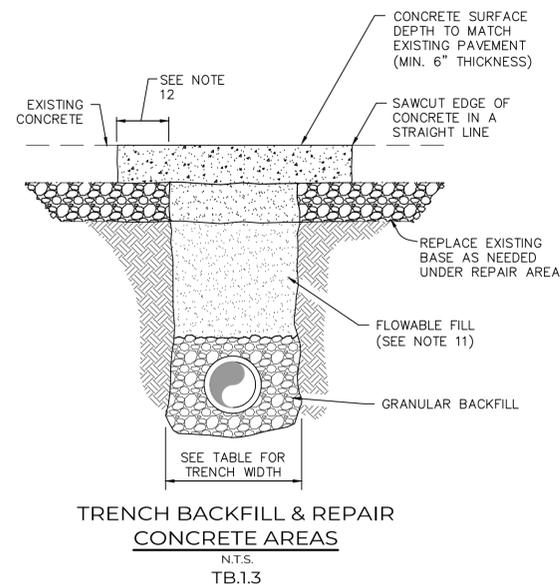
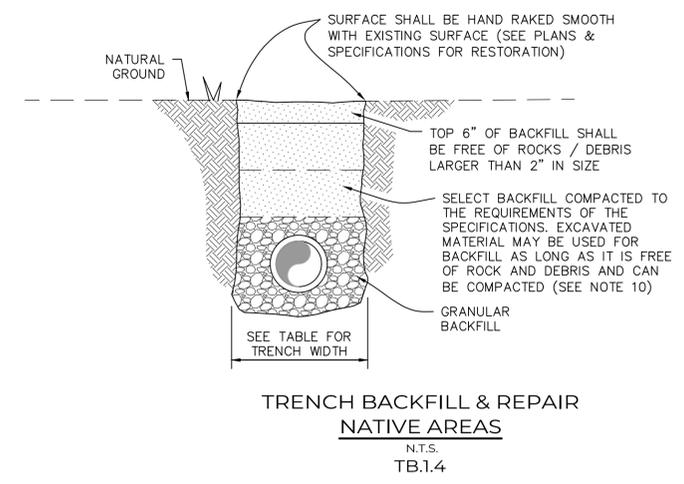
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TRENCHING & BACKFILL
DETAILS

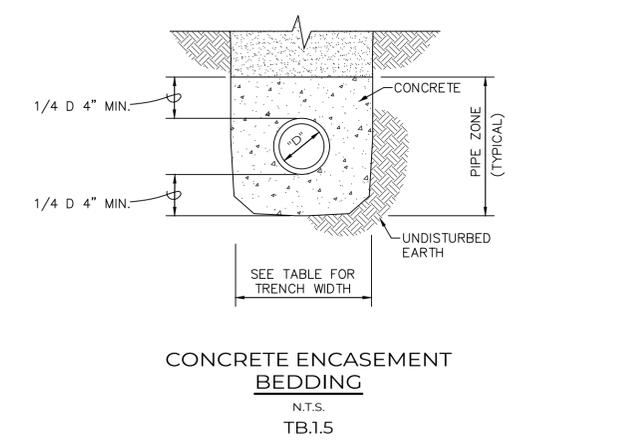
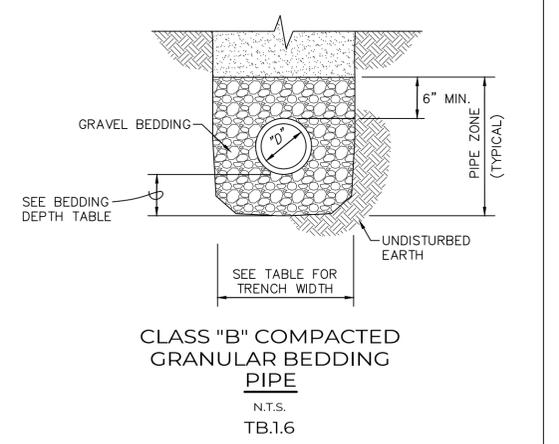
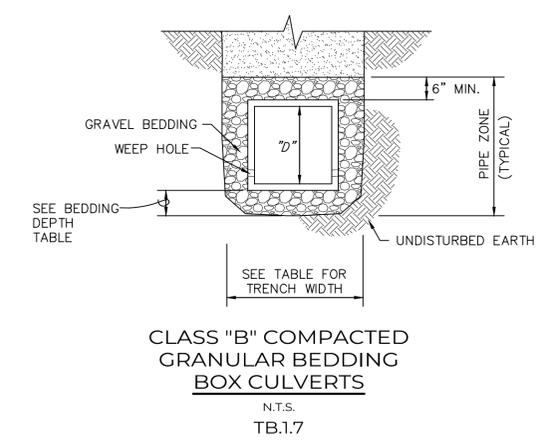
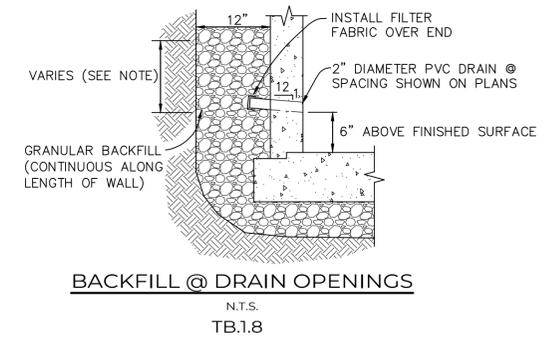
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Sheet Number C-502



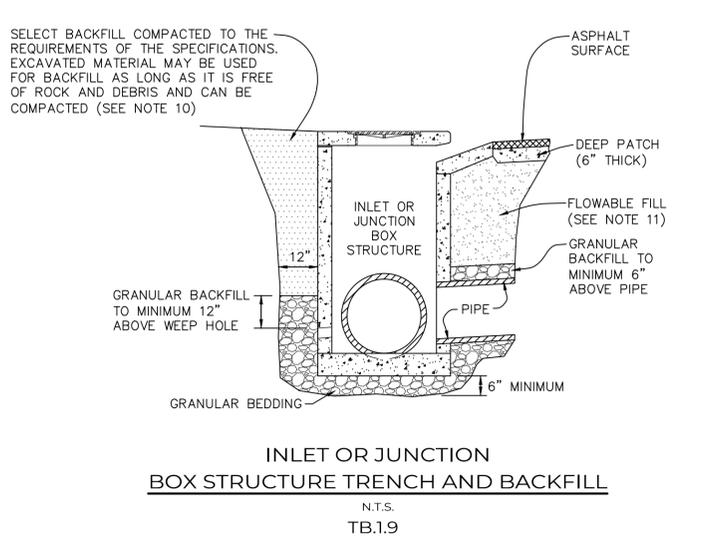
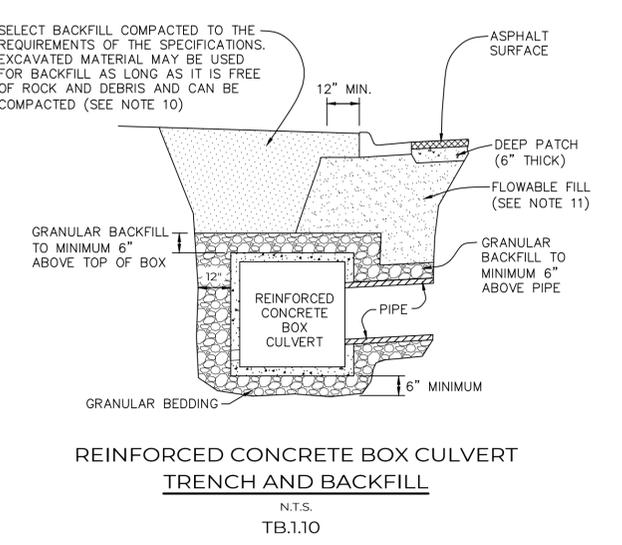
NOTE: DEPTH OF GRANULAR BACK FILL VARIES. SEE SPECIFIC DETAIL FOR DEPTH. IF NOT SPECIFIED, MINIMUM DEPTH OF GRANULAR BACKFILL SHALL BE 12" ABOVE THE WEEP HOLES.

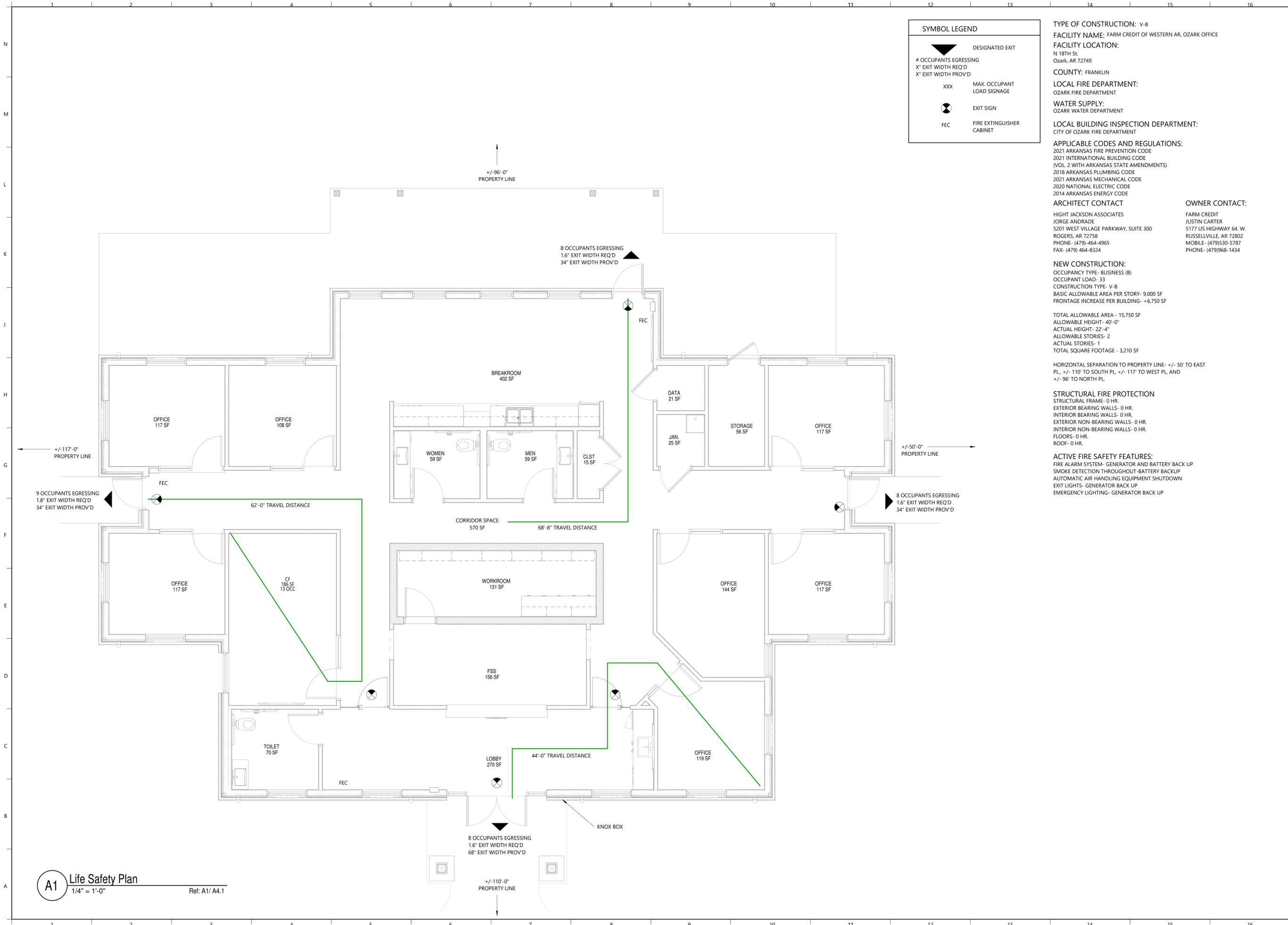


- FOR DEEP TRENCHES, DEPTH OF FLOWABLE FILL SHALL BE A MAXIMUM OF 4' DEEP, AS MEASURED DOWN FROM THE SUBGRADE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. GRANULAR BACKFILL MATERIAL SHALL BE USED FROM BOTTOM OF FLOWABLE FILL TO THE TOP OF PIPE ZONE.
- SURFACE PATCH AND DEEP PATCH SHALL EXTEND A MINIMUM OF 18" OUTSIDE EDGE OF EXCAVATION. FOR CONCRETE PAVEMENT AND APRONS, SAWCUTS WITHIN 5 FEET OF AN EXISTING JOINT SHALL BE REMOVED AND REPLACED TO THE EXISTING JOINT. FOR ALL ASPHALT STREETS, IF THE SAWCUT IS WITHIN 3 FEET OF THE EDGE OF THE EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, THE EXISTING ASPHALT SHALL BE REMOVED TO THAT EDGE AND THE ENTIRE SECTION REPLACED. LONGITUDINAL SAWCUTS SHALL NOT FALL WITHIN 12 INCHES OF THE TIRE PATH.

BEDDING DEPTH TABLE		TRENCH WIDTH TABLE	
STORM DRAIN	.10 X PIPE I.D. (4" MIN)	STORM DRAIN	OD + 18" MIN. OD + 36" MAX.
WATER LINE	.25 X PIPE I.D. (4" MIN)	WATER LINE	MINIMUM 18" OR OD + 12" OD + 24" MAX.
SEWER LINE	6" MIN.	SEWER LINE	OD + 18" MIN. OD + 30" MAX.

- NOTES:**
- FLOWABLE FILL SHALL BE PROTECTED WITH BRIDGE PLATES OR A TEMPORARY SURFACE SEAL OF COLD MIX ASPHALT CONCRETE UNTIL HMAc FINAL REPAIR IS INSTALLED. COLD MIX ASPHALT CONCRETE IS NOT ACCEPTABLE FOR FINAL REPAIR.
 - FLOWABLE FILL SHALL BE ALLOWED TO CURE FOR A PERIOD OF NOT LESS THAN 24 HOURS PRIOR TO PLACEMENT OF SURFACE.
 - FLOWABLE FILL IS TO BE INSTALLED TO NEAT LINES. PAY LIMITS WILL NOT EXCEED THE MAXIMUM TRENCH WIDTH.
 - FLOWABLE FILL SHALL BE PROTECTED FROM FREEZING OR TOO RAPID CURING.
 - CONCRETE REPAIR SURFACE SHALL BE FINISHED WITH A ROUGH BROOMED TEXTURE, OR MATCHING EXISTING ADJACENT SURFACES.
 - CONCRETE REPAIRS SHALL NOT BE OPENED FOR TRAFFIC FOR A PERIOD OF NOT LESS THAN 72 HOURS FOLLOWING PLACEMENT. BRIDGE PLATES SHALL BE USED TO PROTECT CONCRETE ON ANY LANES REQUIRED TO BE OPENED.
 - NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
 - BEDDING, BACKFILL AND COMPACTION WITH NATIVE MATERIALS IS CONSIDERED INCIDENTAL TO THE PIPE OR STRUCTURE ITEM. MATERIAL COSTS FOR SELECT AND FLOWABLE FILL WILL BE PAID SEPARATELY.
 - GRANULAR BACKFILL AND BEDDING SHALL BE 3/4" MAX. TO NO. 4 MATERIAL PER THE SPECIFICATIONS.
 - IF PIPE OR INLETS ARE LOCATED UNDER OR ADJACENT TO SIDEWALK, FLOWABLE FILL OR GRANULAR BACKFILL SHALL BE USED FOR BACKFILL TO WITHIN 2' OF FINISH GRADE.





SYMBOL LEGEND	
	DESIGNATED EXIT
$\frac{\# \text{ OCCUPANTS EGRESSING}}{X' \text{ EXIT WIDTH REQ'D}} \frac{X' \text{ EXIT WIDTH PROV'D}}{X' \text{ EXIT WIDTH PROV'D}}$	
XXX	MAX. OCCUPANT LOAD SIGNAGE
	EXIT SIGN
FEC	FIRE EXTINGUISHER CABINET

TYPE OF CONSTRUCTION: V-B
 FACILITY NAME: FARM CREDIT OF WESTERN AR, OZARK OFFICE
 FACILITY LOCATION:
 N 18TH St.
 Ozark, AR 72749
 COUNTY: FRANKLIN
 LOCAL FIRE DEPARTMENT:
 OZARK FIRE DEPARTMENT
 WATER SUPPLY:
 OZARK WATER DEPARTMENT
 LOCAL BUILDING INSPECTION DEPARTMENT:
 CITY OF OZARK FIRE DEPARTMENT

APPLICABLE CODES AND REGULATIONS:
 2021 ARKANSAS FIRE PREVENTION CODE
 2021 INTERNATIONAL BUILDING CODE
 2018 ARKANSAS PLUMBING CODE
 2021 ARKANSAS MECHANICAL CODE
 2020 NATIONAL ELECTRIC CODE
 2014 ARKANSAS ENERGY CODE

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 ROGERS, AR 72758
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 FAX- (479) 464-8324

OWNER CONTACT:
 FARM CREDIT
 JUSTIN CARTER
 5177 US HIGHWAY 64, W.
 RUSSELLVILLE, AR 72802
 MOBILE- (479)530-5787
 PHONE- (479)968-1434

NEW CONSTRUCTION:
 OCCUPANCY TYPE- BUSINESS (B)
 OCCUPANT LOAD- 33
 CONSTRUCTION TYPE- V-B
 BASIC ALLOWABLE AREA PER STORY- 9,000 SF
 FRONTAGE INCREASE PER BUILDING- +6,750 SF

TOTAL ALLOWABLE AREA - 15,750 SF
 ALLOWABLE HEIGHT- 40'-0"
 ACTUAL HEIGHT- 22'-4"
 ALLOWABLE STORIES- 2
 ACTUAL STORIES- 1
 TOTAL SQUARE FOOTAGE - 3,210 SF

HORIZONTAL SEPARATION TO PROPERTY LINE- +/- 50' TO EAST PL., +/- 110' TO SOUTH PL., +/- 117' TO WEST PL., AND +/- 96' TO NORTH PL.

STRUCTURAL FIRE PROTECTION
 STRUCTURAL FRAME- 0 HR.
 EXTERIOR BEARING WALLS- 0 HR.
 INTERIOR BEARING WALLS- 0 HR.
 EXTERIOR NON-BEARING WALLS- 0 HR.
 INTERIOR NON-BEARING WALLS- 0 HR.
 FLOORS- 0 HR.
 ROOF- 0 HR.

ACTIVE FIRE SAFETY FEATURES:
 FIRE ALARM SYSTEM- GENERATOR AND BATTERY BACK UP
 SMOKE DETECTION THROUGHOUT-BATTERY BACKUP
 AUTOMATIC AIR HANDLING EQUIPMENT SHUTDOWN
 EXIT LIGHTS- GENERATOR BACK UP
 EMERGENCY LIGHTING- GENERATOR BACK UP



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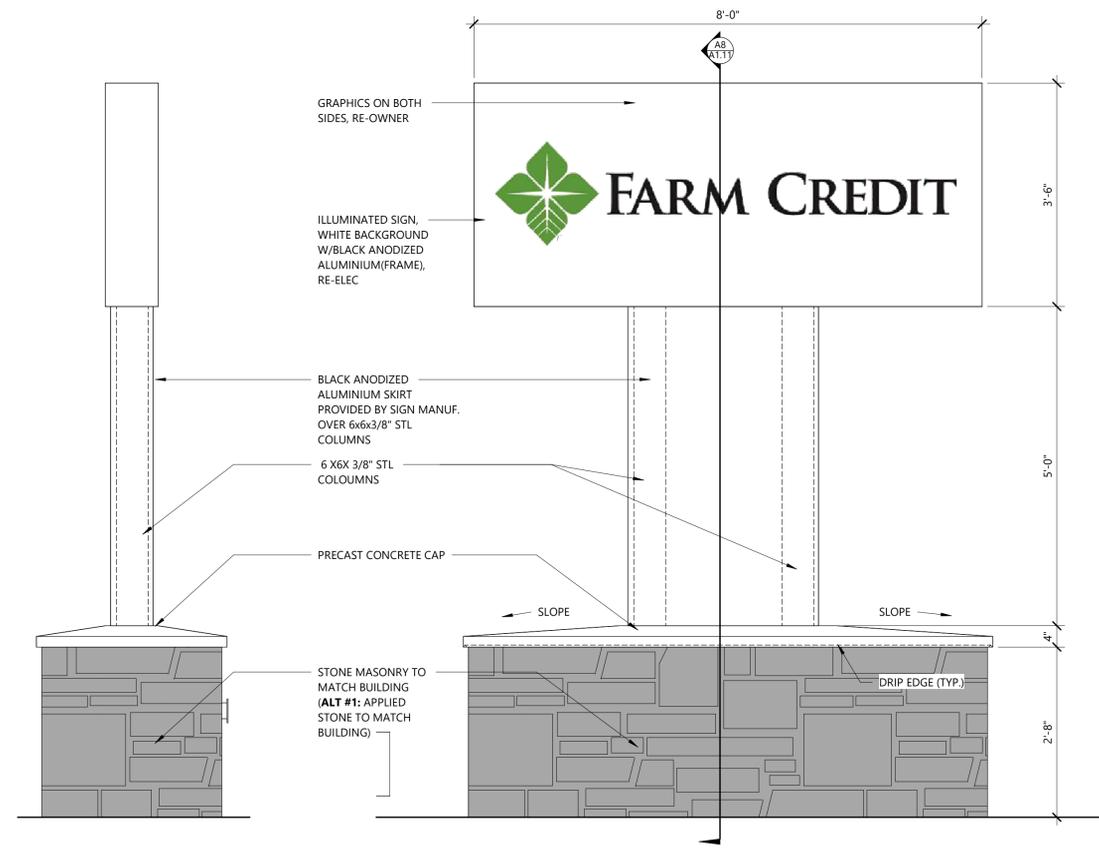
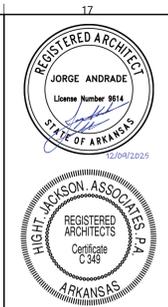
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2529

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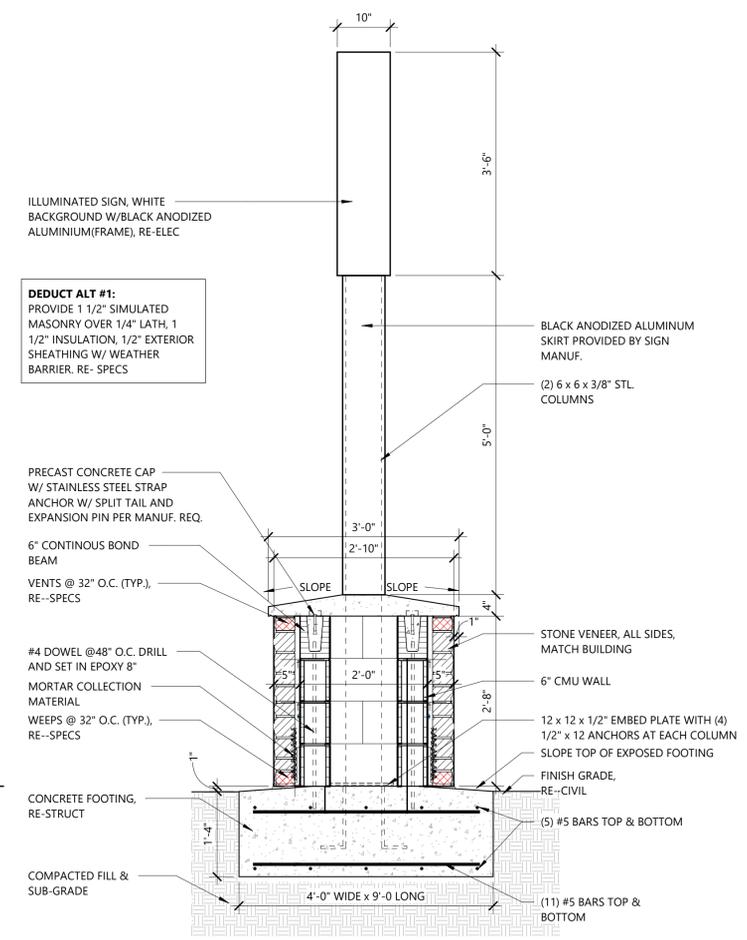
CODE FOOTPRINT
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A0.1
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A1 Life Safety Plan
 1/4" = 1'-0"
 Ref: A1/ A4.1

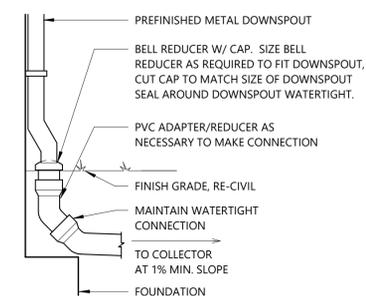


A1 Monumental Sign Elevation
3/4" = 1'-0" Ref: A6/ A1.10

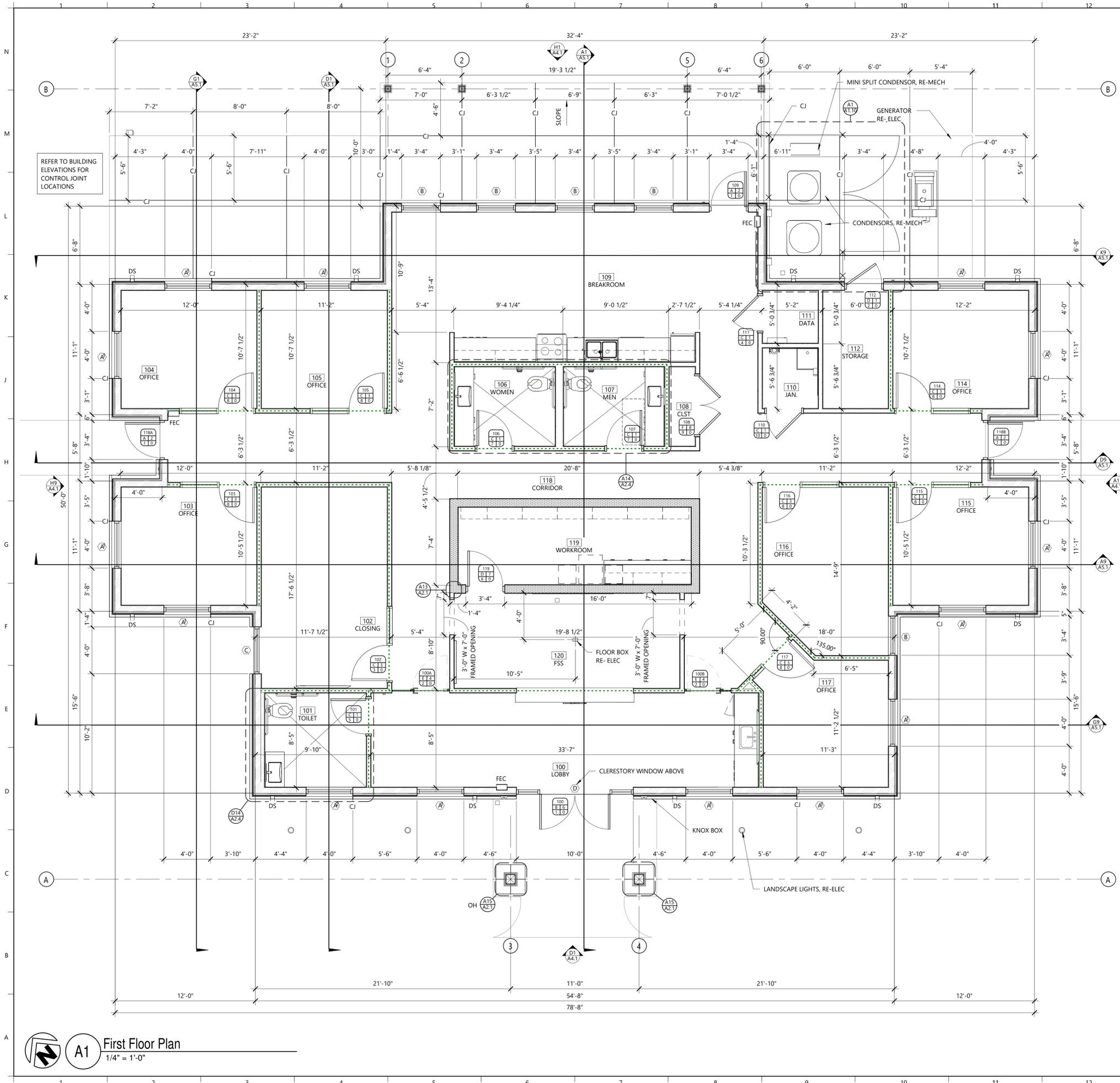
A4 Monumental Sign Elevation
3/4" = 1'-0" Ref: A6/ A1.10



A8 Monumental Sign Section
3/4" = 1'-0" Ref: A6/ A1.10



A12 Downspout Detail
3/4" = 1'-0" Ref: G9/ A3.1



General Notes

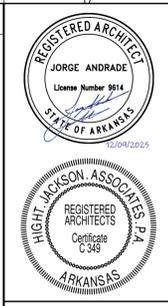
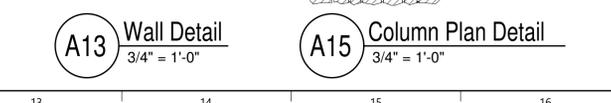
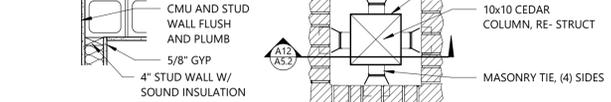
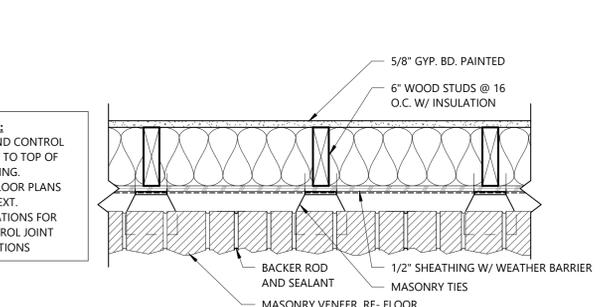
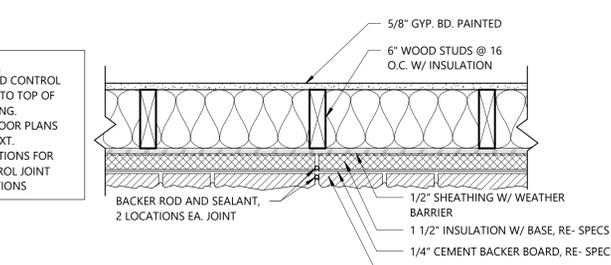
1. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK INVOLVED.
2. THE CONTRACTOR SHALL APPLY AND PAY FOR ANY NECESSARY PERMITS FOR THE WORK PERFORMED.
3. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH THE WORK.
4. CONTRACTOR TO COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.
5. CONTRACTOR TO COORDINATE WORK WITH THE OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, AND USE OF BUILDING SERVICES AND FACILITIES. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS, INCLUDING TRASH REMOVAL ACCESS.
6. CONTRACTOR TO MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION.
7. CONTRACTOR TO MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.
8. NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED OR OTHERWISE MODIFIED WITHOUT NOTIFYING THE ARCHITECT.
9. INSTALLATION SHALL FOLLOW MANUFACTURER'S PUBLISHED SPECIFICATIONS AND/OR TRADE STANDARDS IN ADDITION TO MEETING OR EXCEEDING THE CONTRACT DOCUMENTS.
10. THE CONTRACTOR IS TO BE RESPONSIBLE FOR CLEANUP OF ALL TRADES AND REMOVAL OF ALL DEBRIS. THE COMPLETED WORK SHALL BE LEFT CLEAN AND READY FOR OCCUPANCY.
11. ALL DIMENSIONS ARE TO BE FROM FACE OF STUD OR BLOCK UNLESS NOTED OTHERWISE.
12. COMPLY WITH THE US DEPARTMENT OF JUSTICE ADOPTED 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE STATE OF ARKANSAS ADOPTED 2009 ANSI A117.1 STANDARD FOR ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES THROUGH THE 2021 ARKANSAS FIRE PREVENTION CODE BY THE ARKANSAS STATE FIRE MARSHALL IN REGARDS TO ACCESSIBILITY OR HANDICAPPED FEATURES.
13. ALL HOLLOW METAL FRAMES TO BE STEEL, FULLY WELDED. PROVIDE GLASS STOPS AT GLAZING LOCATIONS.

Symbol Legend

	DRAWING NUMBER BASED ON SHEET GRID DRAWING TITLE		ELEVATION MARK IN PLAN
	DRAWING SCALE BACK REFERENCE TO PARENT DRAWING		SECTION OR DETAIL NUMBER
	NORTH ARROW		ELEVATION MARK
	WINDOW MARK		MILLWORK/INTERIOR ELEVATION MARK
	ROOM NUMBER AND NAME		PROVIDE FULL HEIGHT SOUND BATT INSULATION WITHIN WALL FOR SOUND

WALL LEGEND

- 8" CMU BLOCK WALL
- 6" WOOD STUD WALL
- 4" WOOD STUD WALL

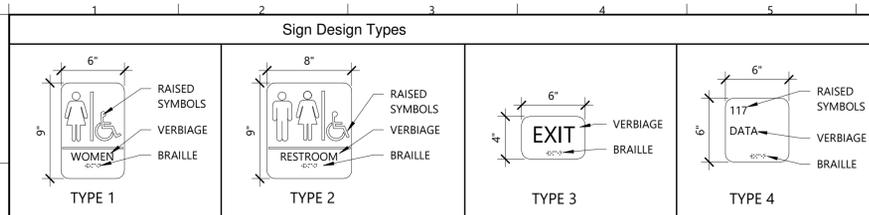


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Ozark Office
Ozark, Arkansas

DRAWN BY: JJB
CHECK BY: JA
ISSUE DATE: 12/09/2025
PROJECT NO: 2529

FIRST FLOOR PLAN
SHEET
A2.1
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Room SIGNAGE Schedule

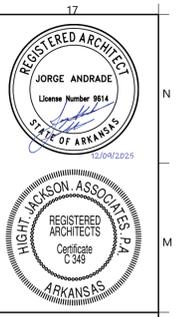
ROOM NAME	DESIGN
BUILDING PLAQUE	A14/A2.2
RESTROOM	TYPE 2
WOMEN RESTROOM	TYPE 1
MEN RESTROOM	TYPE 1
CUSTODIAN	TYPE 4
DATA	TYPE 4
EXIT	TYPE 3
BLANK SIGN ON OTHER SIDE OF GLASS	TYPE 3

Specialty Plan Legend

TV	TV MOUNTING BRACKET; RE-ELEC
(S)	WINDOW ROLLER SHADE
FEC	FIRE EXTINGUISHER CABINET, ALL FEC LOCATIONS TO BE NEW U.N.O
(A)	SIGN TYPE, RE- ROOM SIGNAGE SCHEDULE
SS-1@C PL-1@A	MILLWORK FINISH CALLOUT; REFER TO FINISH LEGEND SUFFIX INDICATES LOCATION OF FINISH
FB	FLOOR BOX (DIMENSIONED FROM WALL STUD TO CENTER)

Finish Legend

BASE	NB	NO BASE	---
BASE	RB	RUBBER BASE	TARKETT: CHARCOAL WG 20
CEILING	PT-X	PAINTED GYPSUM BOARD	"X" REPRESENTS PAINT NUMBER FROM WALL COLOR LISTED BELOW, DRY FALL
FLOORS	CPT-1	CARPET TILE, 9IN x 36"	SHAW CONTRACT: RESPOND ST310: RADIANT NATURE 05326
FLOORS	CPT-2	CARPET TILE, 9IN x 36"	SHAW CONTRACT: ABOVE TILE ST392 : PATH 88555
FLOORS	PC	POLISHED CONCRTE	HEAVY GRIND
FLOORS	SC	SEALED CONCRETE	---
MILLWORK	HPL-1	HIGH PRESSURE LAMINATE COUNTERTOP	
MILLWORK	QT	QUARTZ	CAMBRIA: WHITENDALE
MILLWORK	TFL-1	THERMALLY FUSED LAMINATE (MELAMINE)	FORMICA FENIX: J0750 VERDE COMODORO
MILLWORK	TFL-2	THERMALLY FUSED LAMINATE (MELAMINE)	FORMICA: FOLKSTONE 927C-58
MILLWORK	TFL-3	THERMALLY FUSED LAMINATE COUNTERTOP	FORMICA: WHITE TWILL 92858
OTHER	DOORS	WOOD DOORS	CORE SPIECES: WHITE BIRCH, FINISH WV NATIONAL SOLUTIONS, FINISH "MAPLE QUARTER CUT"
OTHER	S	INTERIOR WINDOW SHADE	DRAPER SW2500 3% COLOR "BEIGE/PEARL GRAY" Q21
OTHER	WT	PORCELAIN WALL TILE 12X24 UNPOLISHED	CROSSVILLE: LAMP POST AV321
WALLS	PLY	1/2 PLYWOOD, NO GYP	UNFINISHED
WALLS	PT-1	PAINT, TYP WALL COLOR	SHERWIN WILLIAMS: DRIFT OF MIST: SW 9166
WALLS	PT-2	PAINT, TYP DOOR FRAME COLOR	SHERWIN WILLIAMS: GAUNTLET GRAY: SW 7019
WALLS	PT-3	PAINT, TYP DOOR FRAME COLOR	SHERWIN WILLIAMS: SNOWBOUND: SW 7004



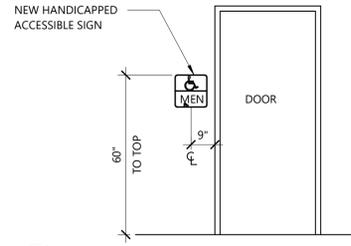
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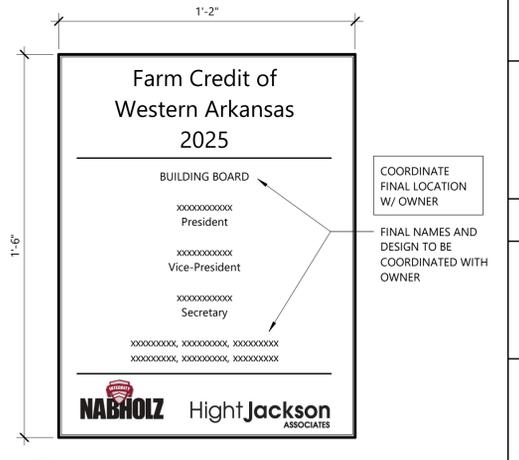
- ### General Finish Notes
- REFER TO DRAWINGS FOR LOCATIONS OF ACOUSTICAL TREATMENTS (REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS)
 - REFER TO REFLECTED CEILING PLANS FOR ALL CEILING HEIGHTS.
 - PROVIDE 3 1/2" MINIMUM THICK SOUND ATTENUATION INSULATION IN ALL STUD WALLS WHERE INDICATED.
 - UNLESS SHOWN OTHERWISE PROVIDE 4" RUBBER BASE AT ALL MILLWORK TOE SPACES.
 - PROVIDE SOLID WOOD BLOCKING IN WALLS FOR MOUNTING TV BRACKETS AND TOILET ACCESSORIES.
 - PROVIDE TRANSITION STRIP AS SPECIFIED WHERE CARPET TRANSITIONS TO A DIFFERENT FLOOR MATERIAL.
 - REFER TO ELECTRICAL DRAWINGS FOR ALL ELECTRICAL OUTLETS AND SWITCH LOCATIONS. COORDINATE ALL ELECTRICAL OUTLETS AND SWITCHES WITH MILLWORK.
 - FLOOR MATERIAL TRANSITIONS AT DOOR WAYS SHALL HAPPEN BELOW DOOR LEAF IN CLOSED POSITION. FLOOR PATTERN PLANS ARE TO SHOW MATERIAL COLOR AND LAYOUT ONLY.
 - AT WALLS WITH INSULATION THAT ONLY HAVE GYPSUM BOARD ON ONE SIDE OF THE WALL PROVIDE METAL STRAPPING TO SECURE THE INSULATION IN PLACE.
 - ALL HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PT-2 AT INTERIOR LOCATIONS AND PT-3 AT EXTERIOR LOCATIONS
 - REFER TO SPECIALTY PLANS FOR DETAILED FINISH INFORMATION, COLORS, & ACCENT WALLS NOT FOUND IN FINISH SCHEDULE.
 - PROVIDE CLEAR CONCRETE SEALER AT ALL EXPOSED CONCRETE FLOORS.
 - PROVIDE 6" UNFACED INSULATION IN ALL EXTERIOR WALLS.
 - PROVIDE FRP PANELS AT MOP SINK LOCATION TO HEIGHT OF 4'-0" AFF AT GYPSUM BOARD WALLS AS NOTED ON DRAWINGS.
 - COUNTERTOP TO BE SOLID SURFACE AT ALL MILLWORK LOCATIONS WITH SINKS, UNLESS NOTED OTHERWISE. REFER TO MILLWORK ELEVATIONS AND SECTIONS.
 - ALL HOLLOW METAL DOORS AND FRAMES TO BE PAINTED, INTERIOR AND EXTERIOR.
 - FASCIA OF WINDOWSHADES TO BE MOUNTED FLUSH WITH INTERIOR GYP. BOARD WALL SURFACE.
 - PROVIDE 1 LAYER 5/8" TYPE X IMPACT RESISTANT GYPSUM BOARD AT METAL STUD WALLS, UNLESS OTHERWISE NOTED IN DRAWINGS.
 - PROVIDE BATT INSULATION ABOVE ENTIRE CEILING
 - PROVIDE UNFACED BATT INSULATION IN ALL STUD WALLS.
 - PROVIDE OUTSIDE CORNER GUARDS ON GYPSUM BOARD OUTSIDE CORNERS WHERE INDICATED IN DRAWINGS
 - UNLESS SHOWN OTHERWISE PROVIDE 4" RUBBER BASE AT ALL MILLWORK TOE SPACES.
 - PROVIDE SOLID WOOD BLOCKING IN WALLS FOR MOUNTING MILLWORK AND ACCESSORIES. COORDINATE ALL ELECTRICAL OUTLETS AND SWITCHES WITH MILLWORK.
 - ALL HOLLOW METAL DOORS AND FRAMES TO BE PAINTED.
 - PAINT ALL NEW GYPSUM BOARD WALLS.
 - CAULK ALL GLAZING IN HOLLOW METAL FRAMES WITH SILICONE SEALANT.

NOTE: FURNITURE SHOWN FOR REFERENCE ONLY. REFER TO FURNITURE PACKAGE FOR ACTUAL FURNITURE SIZE AND LAYOUT

SIGN SHALL BE MOUNTED ON THE WALL ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" A.F.F. TO THE TOP OF SIGN. MOUNTING LOCATION FOR SIGN SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.



A13 Room Signage Detail
3/8" = 1'-0"



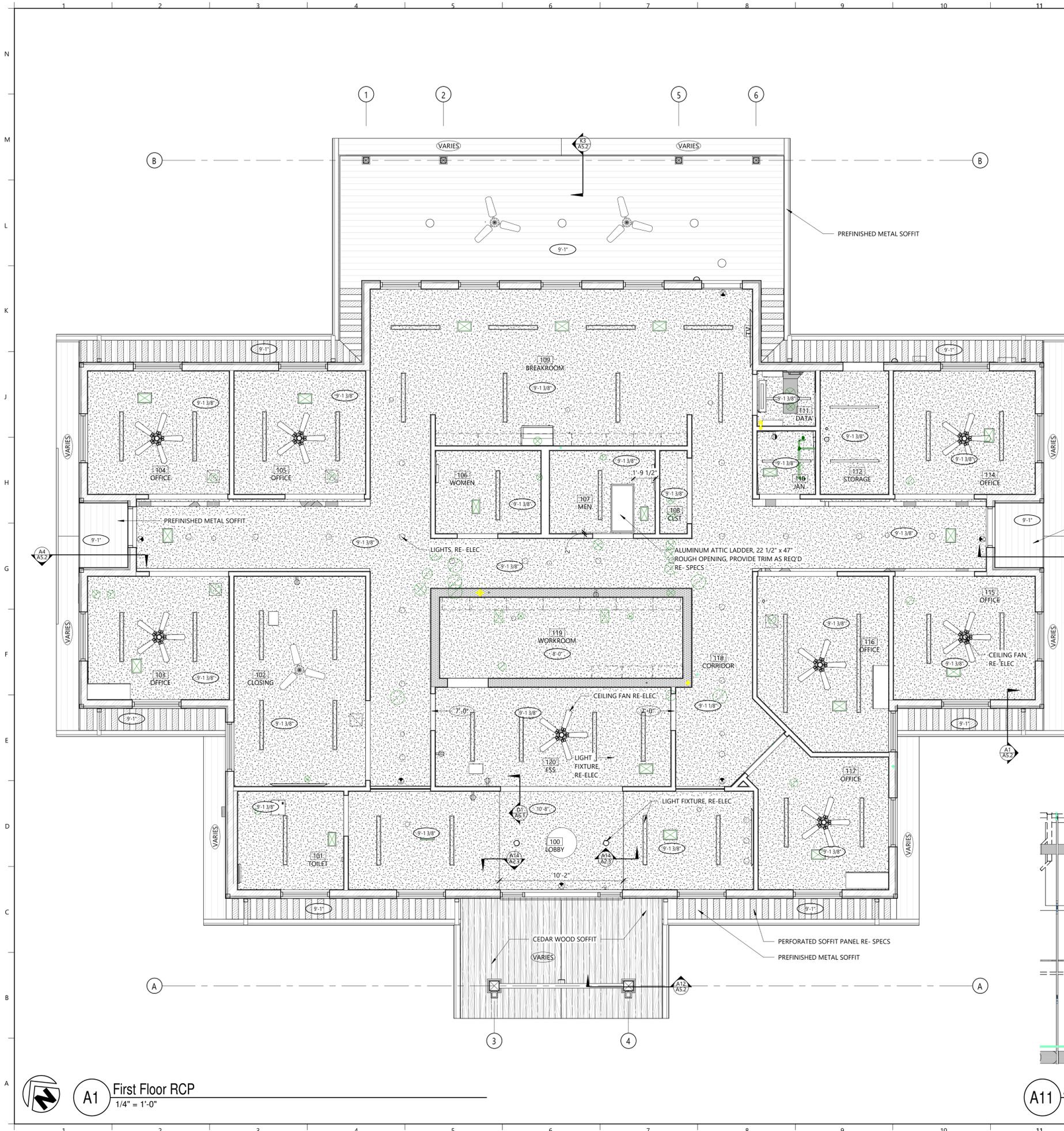
A14 Building Plaque Detail
3" = 1'-0"

A1 Specialty Plan
1/4" = 1'-0"

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SPECIALTY PLAN
SHEET
A2.2
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Reflected Ceiling Plan Legend

- 0'-0" CEILING HEIGHT FROM FINISHED FLOOR
- GYPSON BOARD CEILING
- METAL SOFFIT PANEL
- VENTED SOFFIT PANEL
- CEDAR PLANK SOFFIT

NOTE: REFER TO ENLARGED REFLECTED CEILING PLANS FOR ADDITIONAL FINISHES

Reflected Ceiling Plan General Notes:

1. PROVIDE 24"x24" MIN. ACCESS PANELS AS NEEDED TO ACCESS TO PIPING, FILTERS, EQUIPMENT, VALVES, ETC. AT GYPSUM BOARD CEILINGS. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL, TYP.
2. PROVIDE GYPSUM BOARD CONTROL JOINTS AT SPACING NOT TO EXCEED 30'-0" O.C., RE-SPEC. WHERE CONTROL JOINTS ARE NOT SHOWN, COORDINATE W/ ARCHITECT IN THE FIELD.
3. WALLS EXTEND TO BOTTOM OF TRUSS AT ALL LOCATIONS

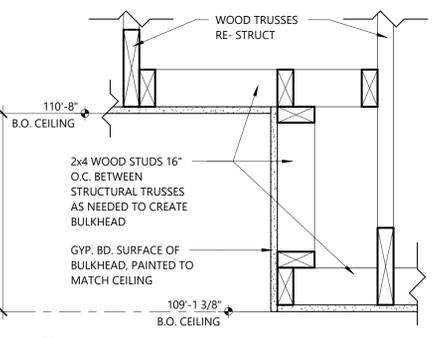
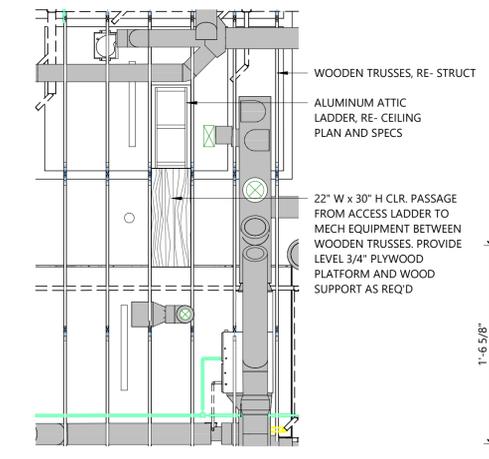


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REFLECTED CEILING PLAN
 SHEET
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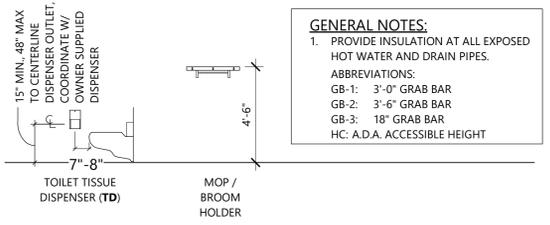
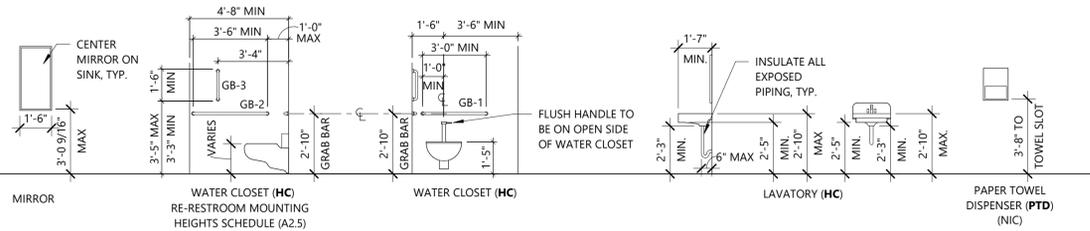


A1 First Floor RCP
 1/4" = 1'-0"

A11 Attic Plan Above Men's Restroom
 1/4" = 1'-0"

A14 Bulkhead Detail
 1 1/2" = 1'-0"

Typical A.D.A. Reference Diagram



GENERAL NOTES:
 1. PROVIDE INSULATION AT ALL EXPOSED HOT WATER AND DRAIN PIPES.
 ABBREVIATIONS:
 GB-1: 3'-0" GRAB BAR
 GB-2: 3'-6" GRAB BAR
 GB-3: 18" GRAB BAR
 HC: A.D.A. ACCESSIBLE HEIGHT

Schedule of Special Mounting Heights / Location

	WATER CLOSET (CENTERLINE FROM WALL)	TOILET SEAT HEIGHT	GRAB BAR HEIGHT	TISSUE DISPENSER HEIGHT	LAVATORY KNEE CLEARANCE	MIRROR (BOT. EDGE)
ADULT						
(HC) HANDICAP ACCESSIBLE	18"	17"	34"	19"	27"	40"

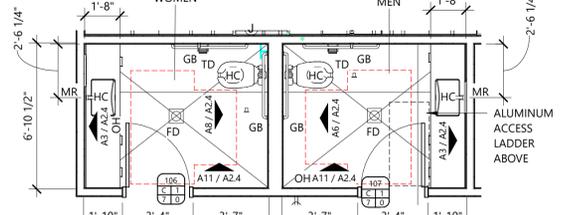
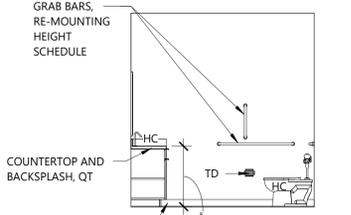
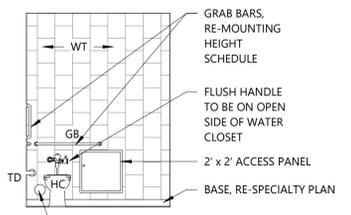
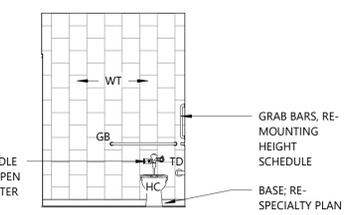
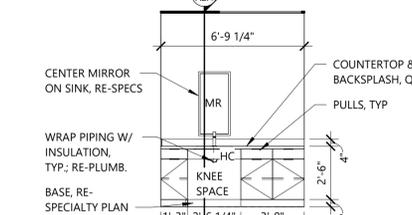
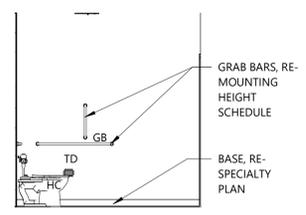
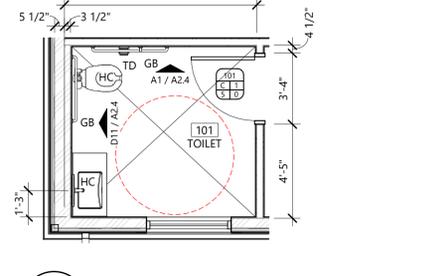
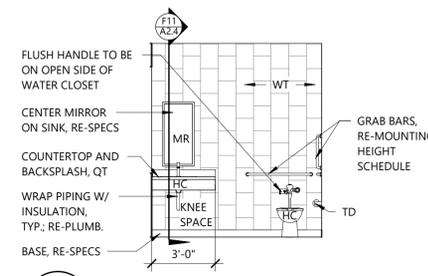
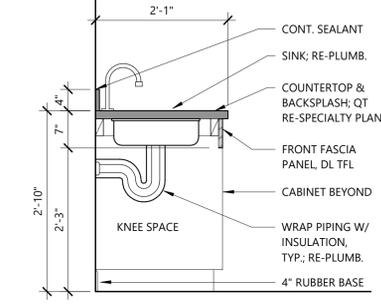
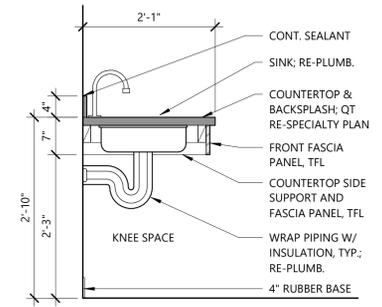
Schedule of Mounting Heights

FIXTURE or ACCESSORY	DIM	REMARKS
ADULT STANDARD AND HANDICAP		
GRAB BARS	34"	TO CENTERLINE
MIRRORS (ACCESSIBLE)	40"	TO BOTTOM OF REFLECTIVE SURFACE
TOILET TISSUE DISPENSERS (TD)	19"	TO CENTERLINE
FIRE SAFETY		
FIRE EXTINGUISHER	48"	TO HANDLE
SIGNAGE		
SIGNAGE (UNO)	60"	TO TOP
ELECTRICAL CONTROLS		
ELECTRICAL RECEPTACLE (UNO)	18"	TO CENTERLINE
ELECT RECEPTACLE ABOVE COUNTER	44"	TO CENTERLINE
LIGHT SWITCH (UNO)	48"	TO CENTERLINE (COORDINATE W/ OWNER)
THERMOSTAT (UNO)	48"	TO CENTERLINE
OTHER CONTROL DEVICES (UNO)	48"	TO CENTERLINE

Legend

FD	FLOOR DRAIN
GB	GRAB BAR
HC	HANDICAP
TD	TISSUE DISPENSER

- Toilet Accessory Notes**
- PROVIDE SOLID BLOCKING AT STUD WALLS FOR ATTACHMENT OF TOILET ACCESSORIES
 - PROVIDE MIRRORS ABOVE ALL RESTROOM LAVATORIES. MIRROR TO BE 18" X 36" FRAMED MIRRORS U.N.O., RE-SPECS.
 - REFER TO SPECIFICATION SECTION 10.28.13 FOR TOILET ACCESSORIES FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR
 - PROVIDE SOLID WOOD BLOCKING IN ALL METAL STUD WALLS 3'-0" TO EACH SIDE OF SINK CENTERLINE AT ALL COUNTER MOUNTED SINK LOCATIONS
 - ALL PLUMBING FIXTURE MOUNTING HEIGHTS AND CLEARANCES NOTED TO BE ACCESSIBLE SHALL CONFORM WITH ALL AMERICANS WITH DISABILITIES ACT REGULATIONS. ALL CONFLICTS BETWEEN DRAWINGS AND INSTALLATION SHALL BE REPORTED TO ARCHITECT PRIOR TO INSTALLATION



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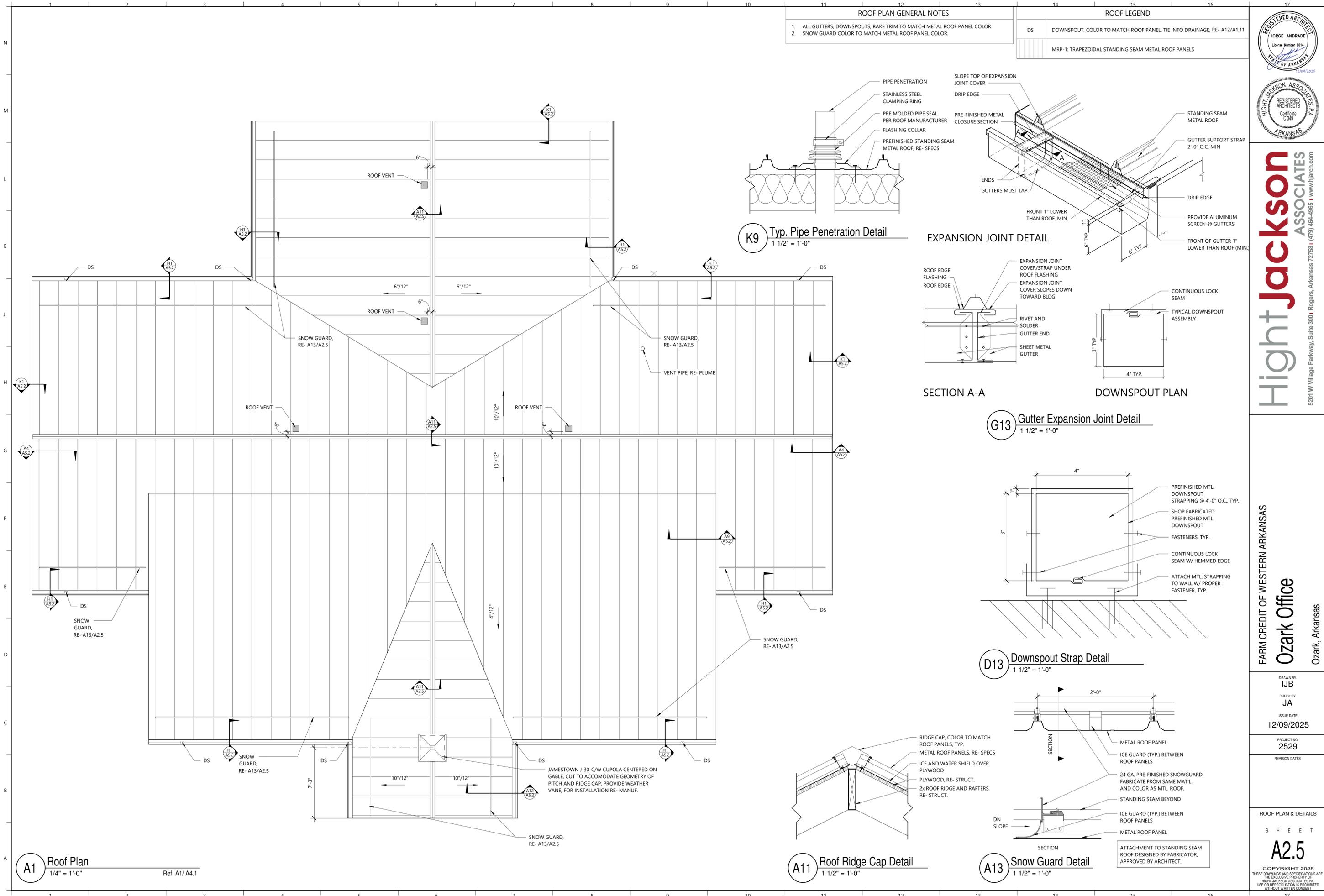
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Ozark Office
 Ozark, Arkansas

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PROJECT NO: 2529

ENLARGED RESTROOM PLANS
 SHEET

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ROOF PLAN GENERAL NOTES

- ALL GUTTERS, DOWNSPOUTS, RAKE TRIM TO MATCH METAL ROOF PANEL COLOR.
- SNOW GUARD COLOR TO MATCH METAL ROOF PANEL COLOR.

ROOF LEGEND	
DS	DOWNSPOUT, COLOR TO MATCH ROOF PANEL TIE INTO DRAINAGE, RE- A12/A1.11
	MRP-1: TRAPEZOIDAL STANDING SEAM METAL ROOF PANELS



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ROOF PLAN & DETAILS
 S H E E T
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A1 Roof Plan
 1/4" = 1'-0"
 Ref: A1/ A4.1

A11 Roof Ridge Cap Detail
 1 1/2" = 1'-0"

A13 Snow Guard Detail
 1 1/2" = 1'-0"

D13 Downspout Strap Detail
 1 1/2" = 1'-0"

G13 Gutter Expansion Joint Detail
 1 1/2" = 1'-0"

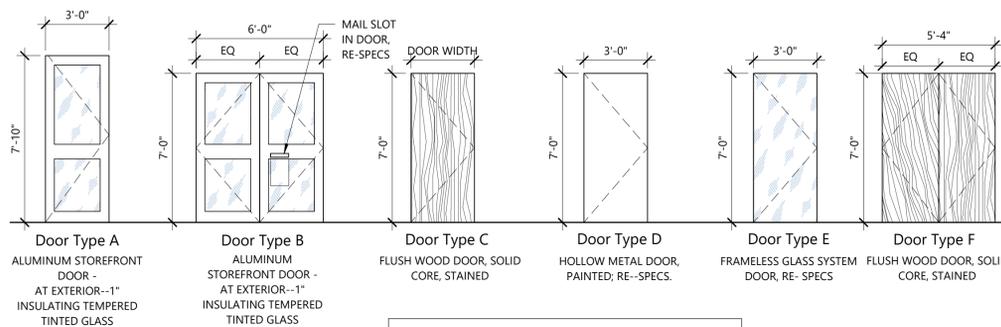
K9 Typ. Pipe Penetration Detail
 1 1/2" = 1'-0"

EXPANSION JOINT DETAIL

SECTION A-A

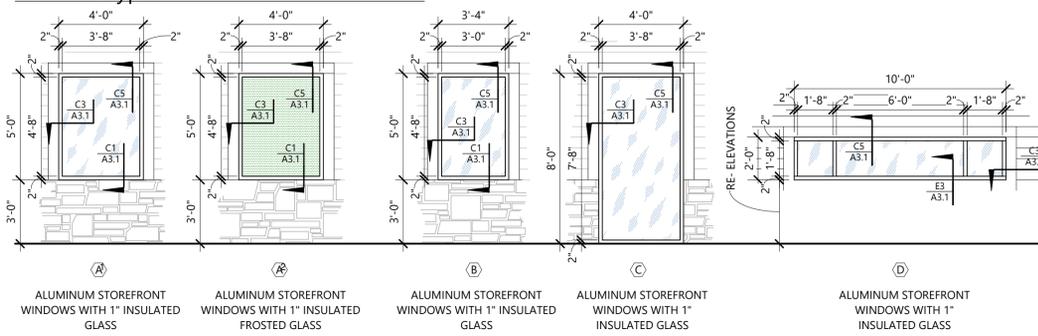
DOWNSPOUT PLAN

Door Types

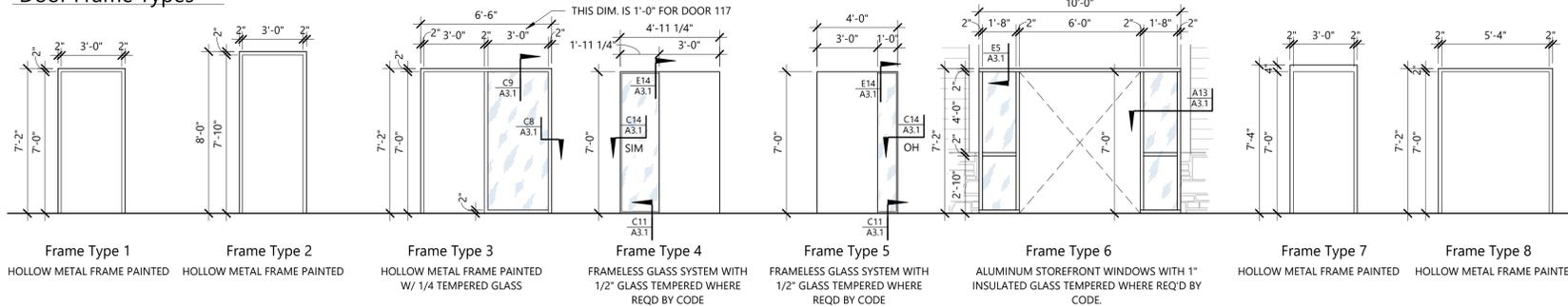


GLASS TYPES SCHEDULE/LEGEND	
GL-1	1/4" TEMPERED, FROSTED GLASS
GL-2	1/4" TEMPERED, CLEAR GLASS

Window Types



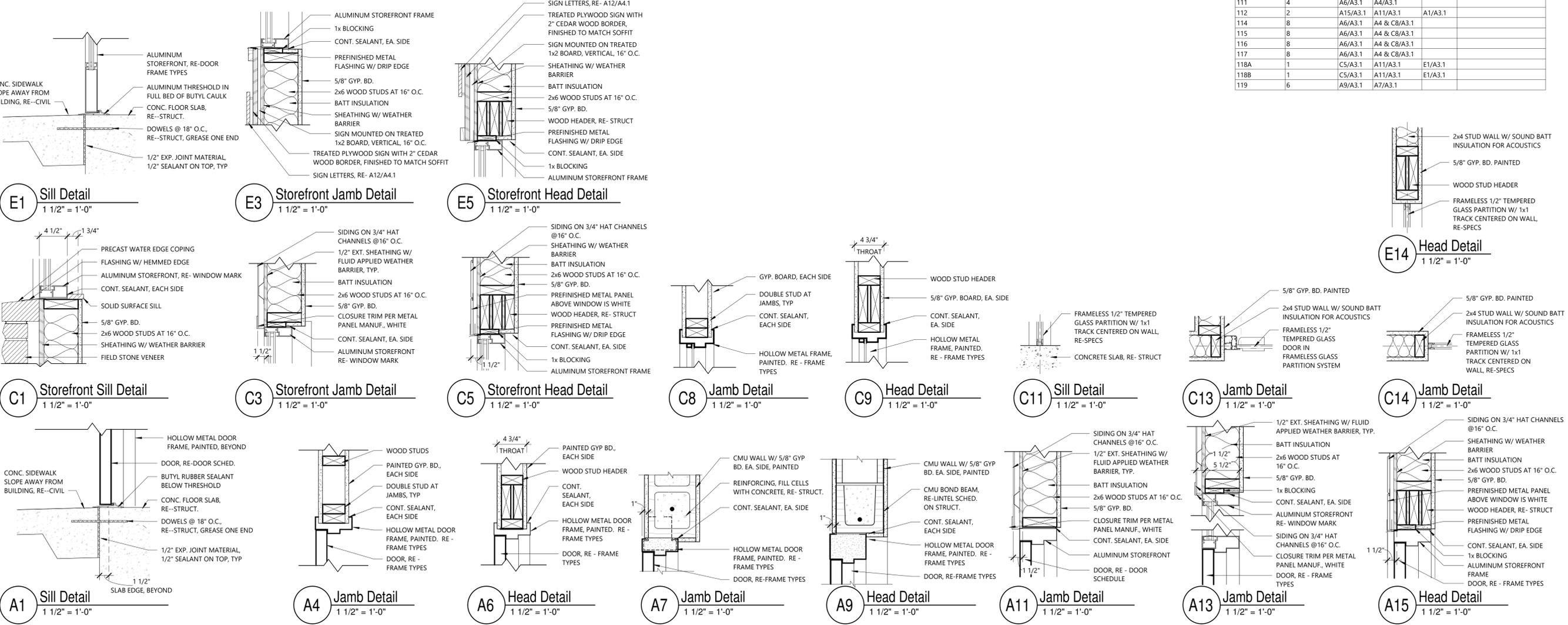
Door Frame Types



Hardware Sets	
1.	CYLINDER LOCKSET PROVIDED BY DOOR HARDWARE SUPPLIER, REMAINING HARDWARE BY ALUMINUM DOOR SUPPLIER
2.	STOREROOM LOCKSET, DOOR STOP, 1-1/2" PAIR HINGES, CARD READER, CLOSER, WEATHER STRIPPING, THRESHOLD, DOOR SHOE, DRIP CAP, DRIP STRIP, SWEEP, LATCH GUARD
3.	PASSAGE LOCKSET, WALL BUMPER, 1-1/2" PAIR HINGES
4.	STOREROOM LOCKSET, WALL BUMPER, 1-1/2" PAIR HINGES, CARD READER, CLOSER
5.	PRIVACY LOCKSET WITH 'OCCUPIED' LOCK INDICATOR, CLOSER, WALL BUMPER, 1-1/2" PAIR HINGES
6.	PASSAGE LATCH SET, CONTINUOUS HING, CLOSER WITH DOOR HOLD OPEN, DEADBOLT, WALL BUMPER
7.	PRIVACY LOCKSET WITH 'OCCUPIED' LOCK INDICATOR, CLOSER WITH CUSH STOP, 1-1/2" PAIR HINGES, CABINET BUMPER
8.	OFFICE LOCKSET, WALL BUMPER, 1-1/2" PAIR HINGES
9.	STOREROOM LOCKSET, DUMMY LEVER HANDLE, FLUSH BOLTS (1 LEAF FLUSH BOLTS, 1 LEAF DUMMY HANDLE), (1) WALL BUMPER, OVERHEAD FRAME MOUNTED STOP, 3" PAIR HINGES
10.	STOREROOM LOCKSET, WALL BUMPER, 1-1/2" PAIR HINGES, CLOSER

- #### Access Control Notes
- AT DOORS TO BE CONTROLLED BY ACCESS CONTROL SYSTEM, COORDINATE LOCATION AND INSTALLATION OF JUNCTION BOXES AND CONDUIT WITH THE ELECTRICIAN AND ACCESS CONTROL CONTRACTOR.
 - CONDUIT MUST BE ROUTED FROM AN ACCESSIBLE POINT ABOVE CEILING TO FRAME JAMB AT WIRE TRANSFER DEVICE LOCATION.
 - REFER TO SPECIFICATION SECTION 08 43 13 ALUMINUM STOREFRONT, DOORS AND EXTERIOR FIXED UNITS.
 - REFER TO SPECIFICATION SECTION 08 71 00 FINISH DOOR HARDWARE FOR ACCESS CONTROL HARDWARE TO BE PROVIDED AND INSTALLED.

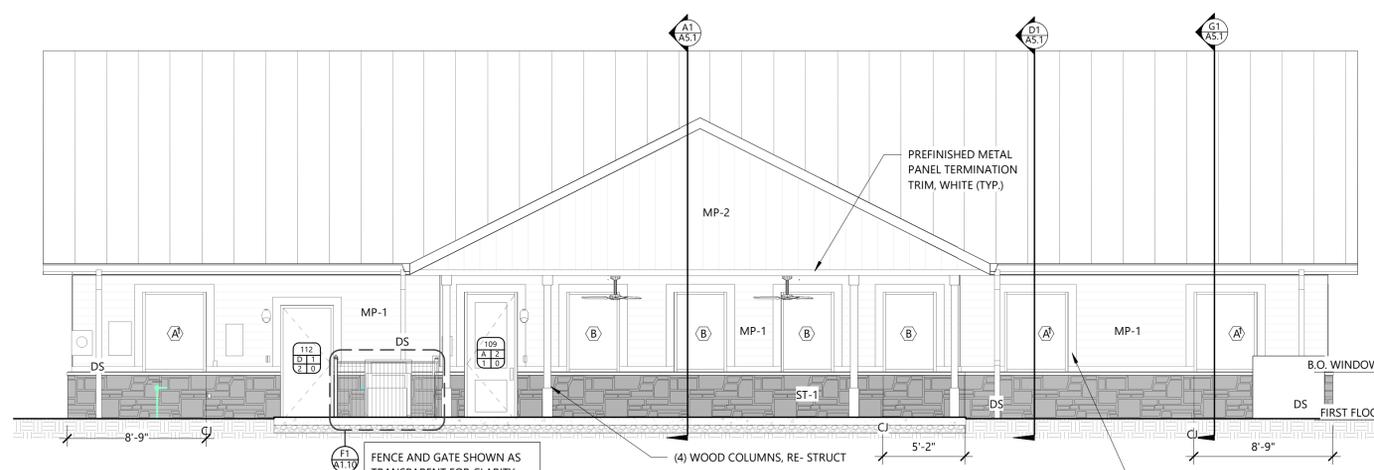
Door Schedule					
MARK	HARDWARE	HEAD	JAMB	SILL	NOTES
100	1	E5/A3.1	A13/A3.1	E/A3.1	Entrance door w/ drop box
100A	2	E14/A3.1	C13/A3.1	C11/A3.1	Frameless glass door
100B	2	E14/A3.1	C13/A3.1	C11/A3.1	Frameless glass door
101	5	A6/A3.1	A4/A3.1		
102	3	A6/A3.1	A4/A3.1		
103	8	A6/A3.1	A4 & C8/A3.1		
104	8	A6/A3.1	A4 & C8/A3.1		
105	8	A6/A3.1	A4 & C8/A3.1		
106	7	A6/A3.1	A4/A3.1		
107	7	A6/A3.1	A4/A3.1		
108	9	A6/A3.1	A4/A3.1		
109	1	C5/A3.1	A11/A3.1	E1/A3.1	
110	10	A6/A3.1	A4/A3.1		
111	4	A6/A3.1	A4/A3.1		
112	2	A15/A3.1	A11/A3.1	A1/A3.1	
114	8	A6/A3.1	A4 & C8/A3.1		
115	8	A6/A3.1	A4 & C8/A3.1		
116	8	A6/A3.1	A4 & C8/A3.1		
117	8	A6/A3.1	A4 & C8/A3.1		
118A	1	C5/A3.1	A11/A3.1	E1/A3.1	
118B	1	C5/A3.1	A11/A3.1	E1/A3.1	
119	6	A9/A3.1	A7/A3.1		



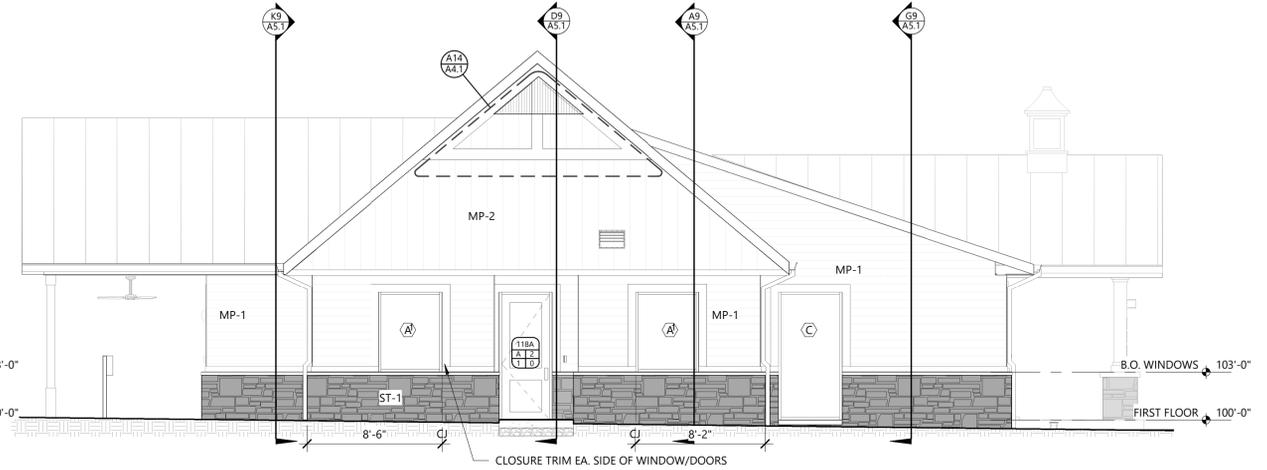
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 CHECK BY: JA
 ISSUE DATE: 12/09/2025
 PROJECT NO: 2529
 REVISION DATES:
 DOOR SCHEDULE / DOOR / WINDOW / FRAME ELEVATIONS / DETAILS SHEET
A3.1
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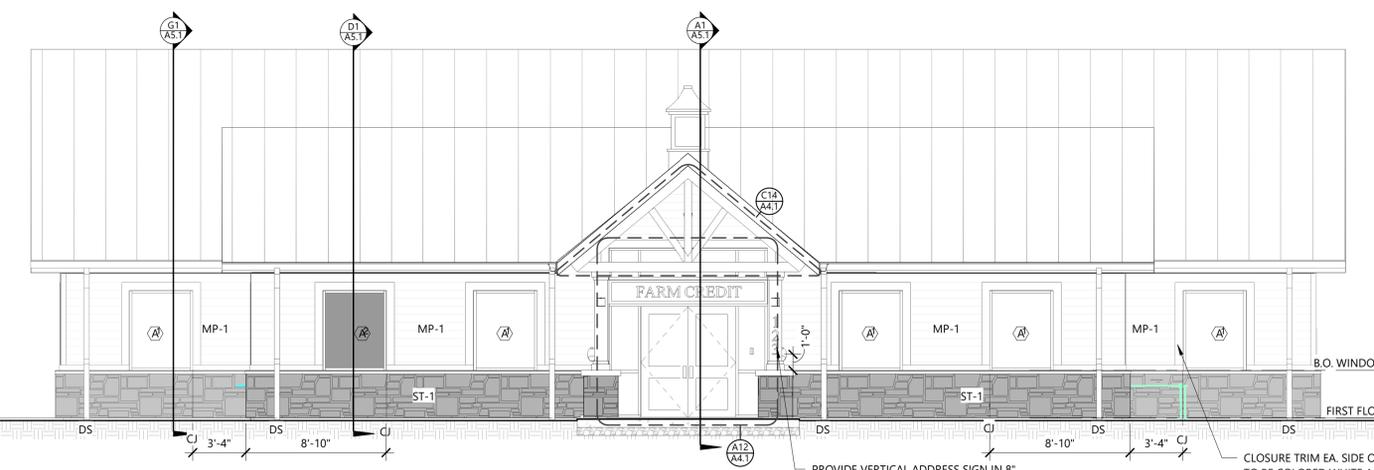


H1 Exterior Elevation - Northeast
 3/16" = 1'-0"
 Ref: A1/ A2.1

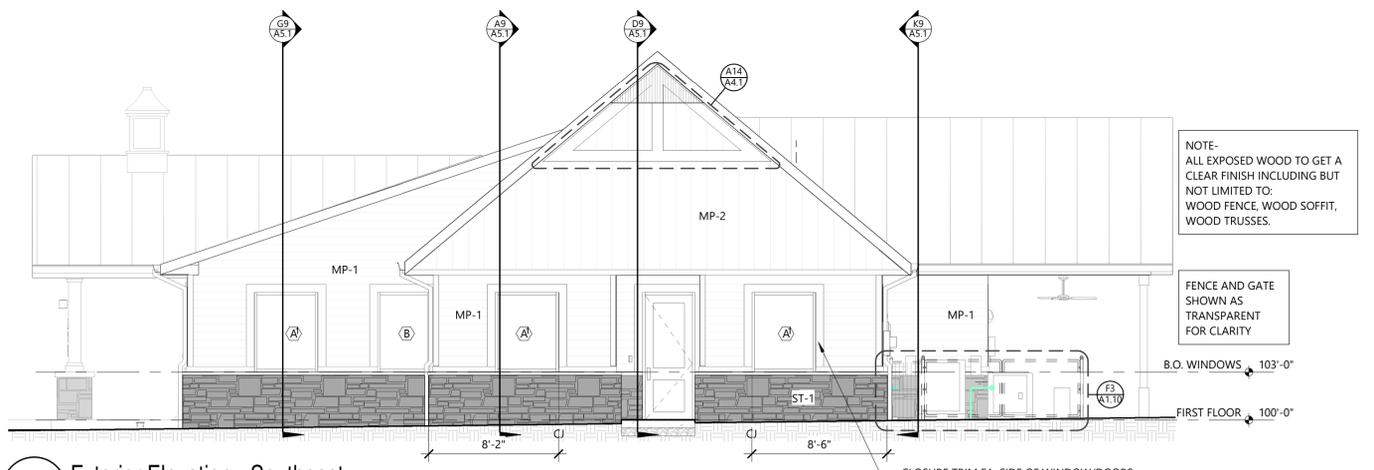


H9 Exterior Elevation - Northwest
 3/16" = 1'-0"
 Ref: A1/ A2.1

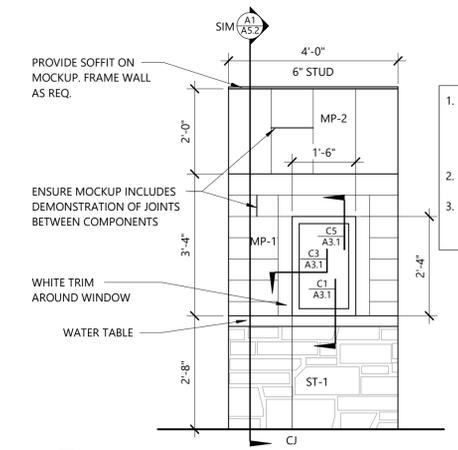
EXTERIOR MATERIALS SCHEDULE/LEGEND	
ST-1	FIELD STONE VENEER (DEDUCT ALT #1: ADHERED STONE VENEER)
MP-1	HORIZ. CLAPBOARD METAL SIDING (DEDUCT ALT #2: FIBER CEMENT CLAPBOARD SIDING)
MP-2	VERTICAL BOARD AND BATTEN METAL SIDING (DEDUCT ALT #2: FIBER CEMENT SHAKE SIDING)
	PRECAST WATER TABLE (DEDUCT ALT #1: ADHERED WATER EDGE COPING)



D1 Exterior Elevation - Southwest
 3/16" = 1'-0"
 Ref: A1/ A2.1

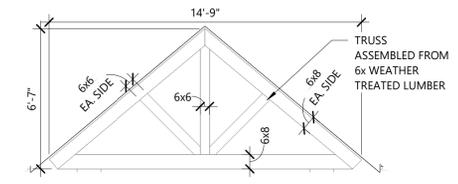


A1 Exterior Elevation - Southeast
 3/16" = 1'-0"
 Ref: A1/ A2.1

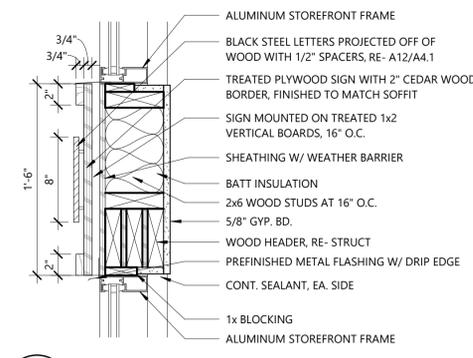


D11 Mock Up Panel Elevation
 1/2" = 1'-0"

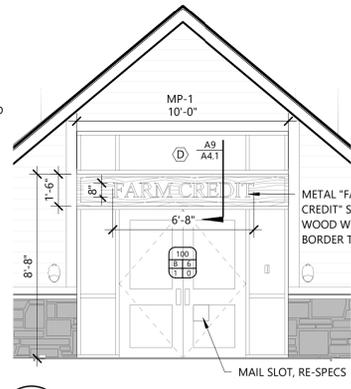
1. MOCKUP WALL ELEVATION TO BE CONSTRUCTED ON SITE IN AREA NEAR STANDARD CONSTRUCTION TO REMAIN AS JOB STANDARD THROUGHOUT CONSTRUCTION.
2. MOCKUP WALL TO BE REMOVED AT END OF CONSTRUCTION.
3. MOCKUP WALL TO REPRESENT ACTUAL CONSTRUCTION EXPECTATIONS AND QUALITY



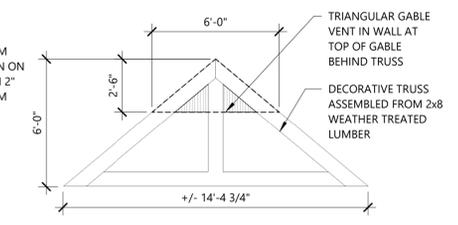
C14 Front Truss Elevation Detail
 1/4" = 1'-0"



A9 'FARM CREDIT' Sign Section Detail
 1 1/2" = 1'-0"



A12 Front Entry Elevation
 1/4" = 1'-0"



A14 Side Truss Elevation Detail
 1/4" = 1'-0"

NOTE:
 ALL EXPOSED WOOD TO GET A CLEAR FINISH INCLUDING BUT NOT LIMITED TO:
 WOOD FENCE, WOOD SOFFIT, WOOD TRUSSES.

FENCE AND GATE SHOWN AS TRANSPARENT FOR CLARITY



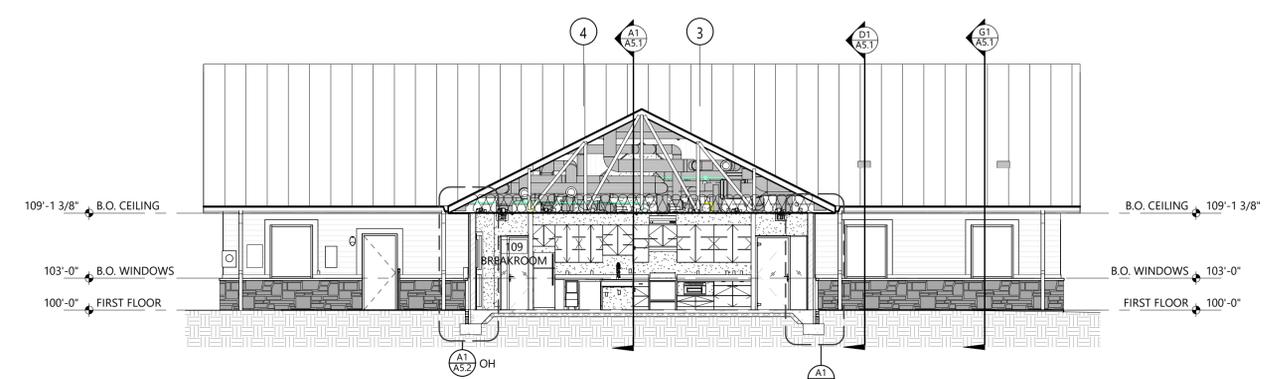
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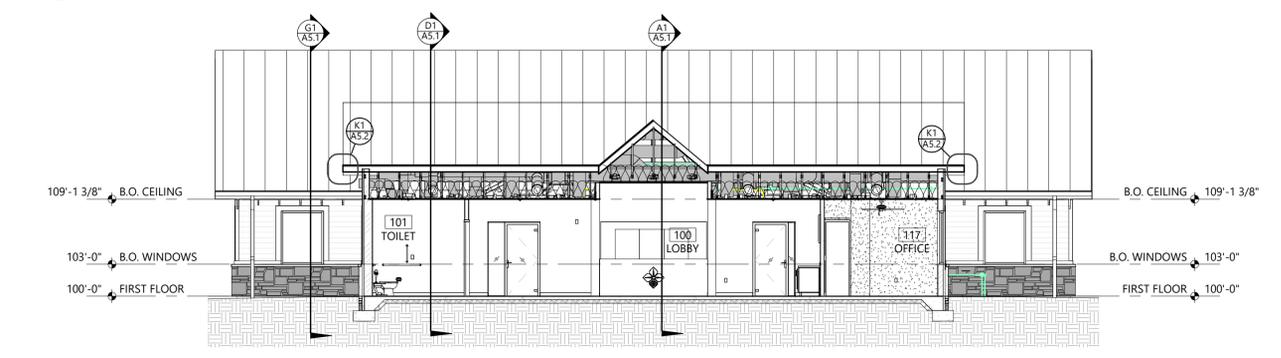
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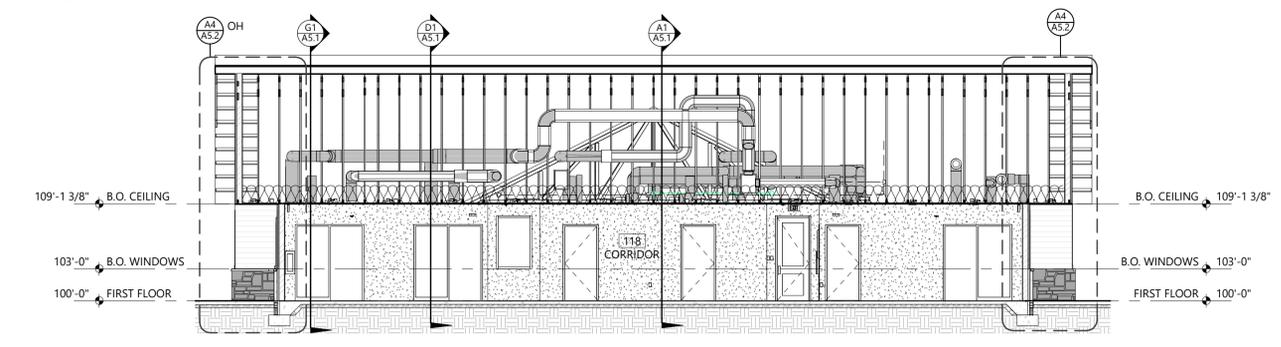
BUILDING SECTIONS
SHEET
A5.1
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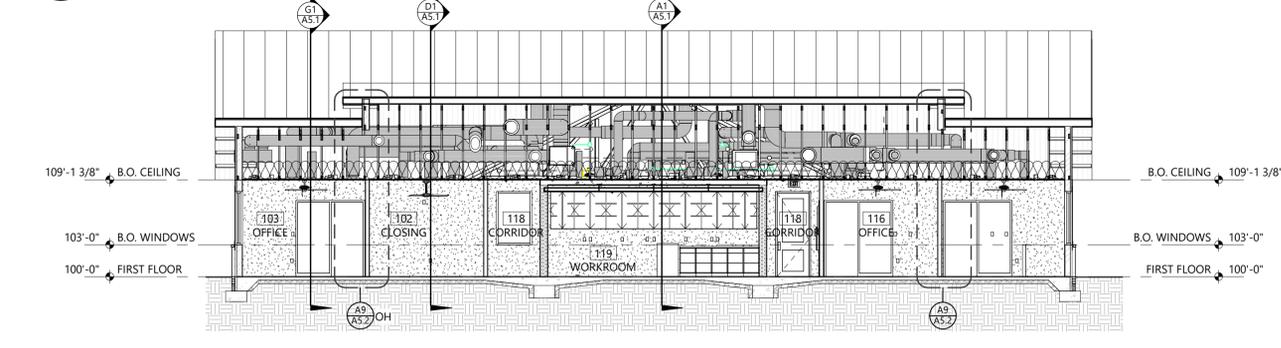
K9 Building Section
1/8" = 1'-0"
Ref: A1/ A2.1



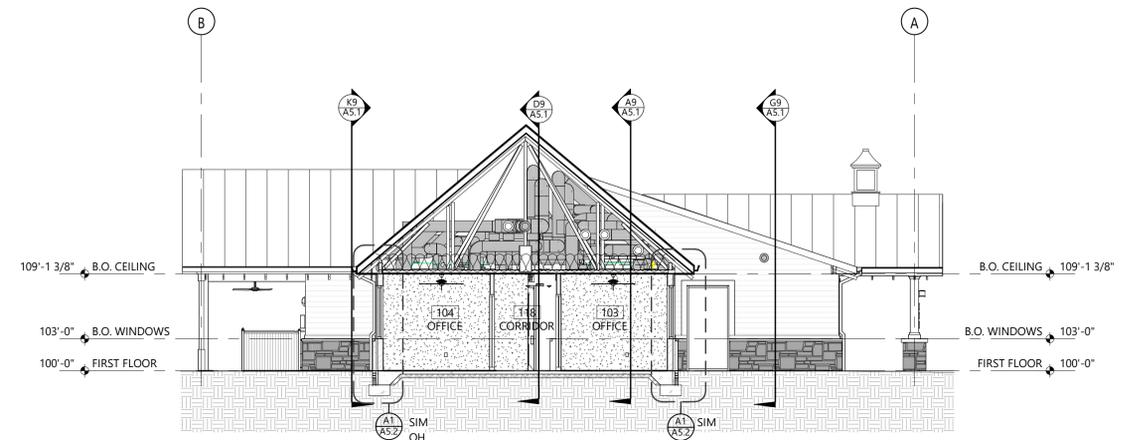
G9 Building Section
1/8" = 1'-0"
Ref: A1/ A2.1



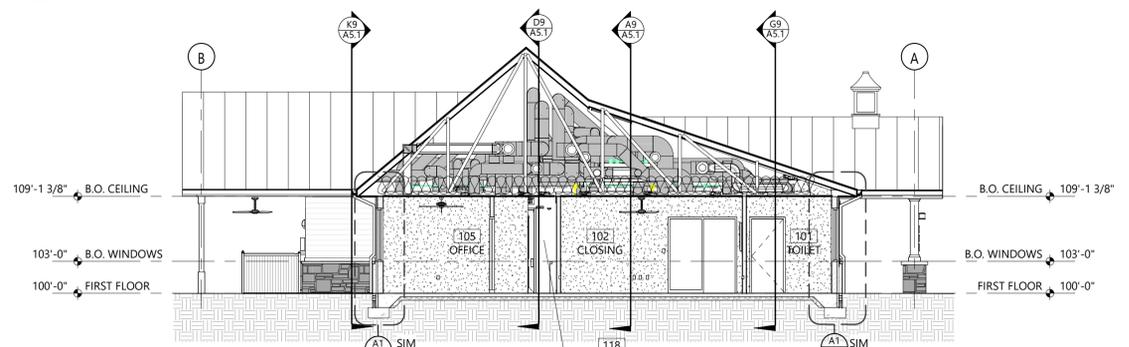
D9 Building Section
1/8" = 1'-0"
Ref: A1/ A2.1



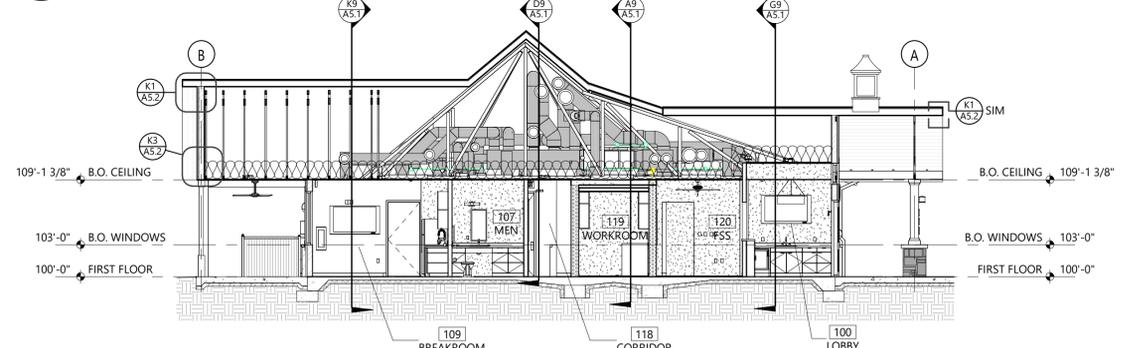
A9 Building Section
1/8" = 1'-0"
Ref: A1/ A2.1



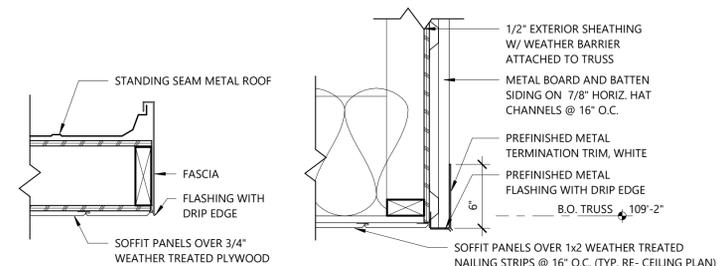
G1 Building Section
1/8" = 1'-0"
Ref: A1/ A2.1



D1 Building Section
1/8" = 1'-0"
Ref: A1/ A2.1



A1 Building Section
1/8" = 1'-0"
Ref: A1/ A2.1

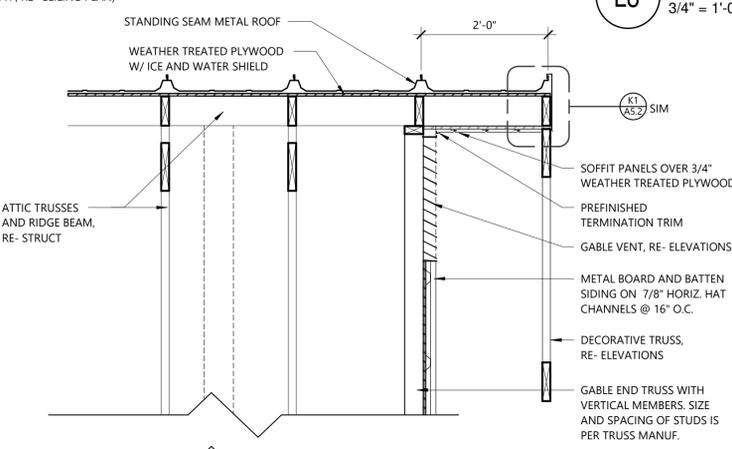


K1 Roof Edge Detail
1 1/2" = 1'-0"

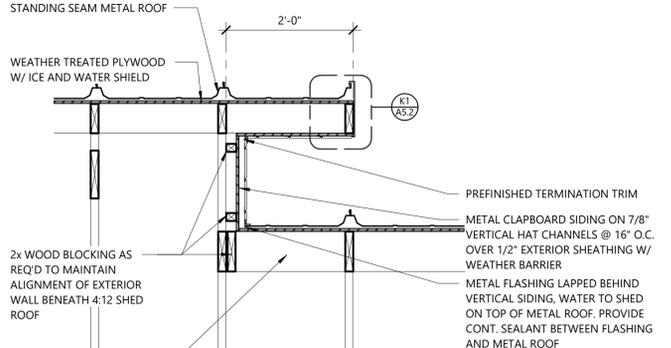
K3 Soffit Edge Detail
1 1/2" = 1'-0"



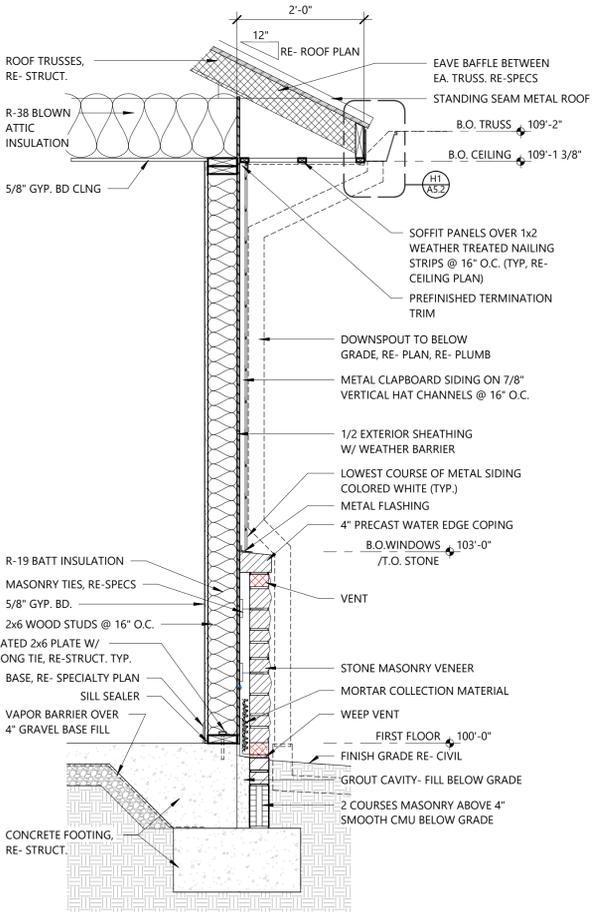
H1 Roof Edge Detail
1 1/2" = 1'-0"



L8 Deduct Alt #1 - Section
3/4" = 1'-0"

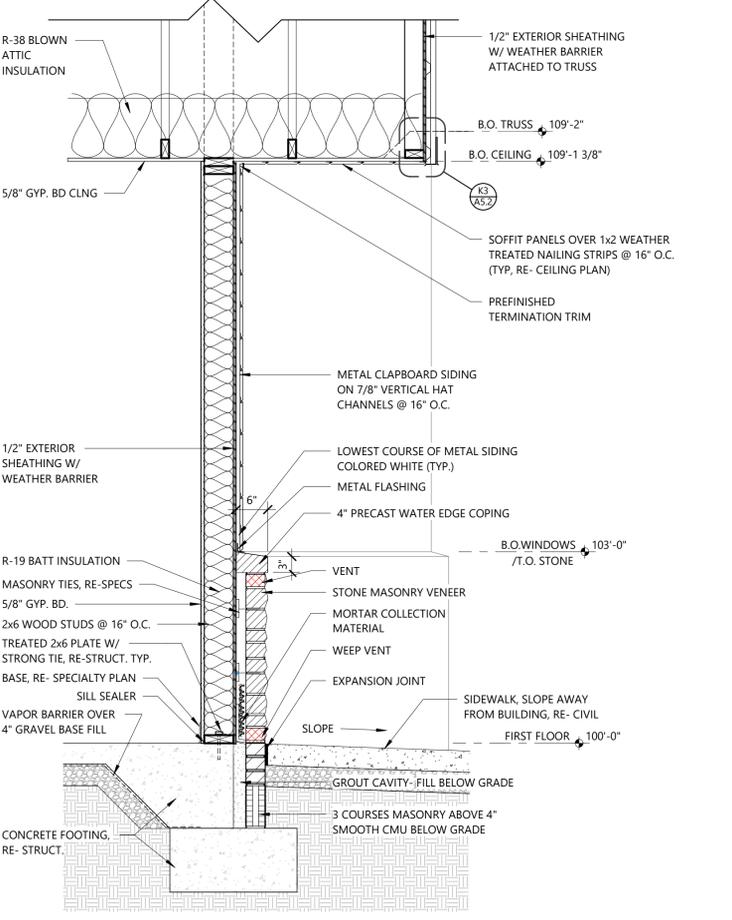


L11 Deduct Alt #2 - Section
3/4" = 1'-0"



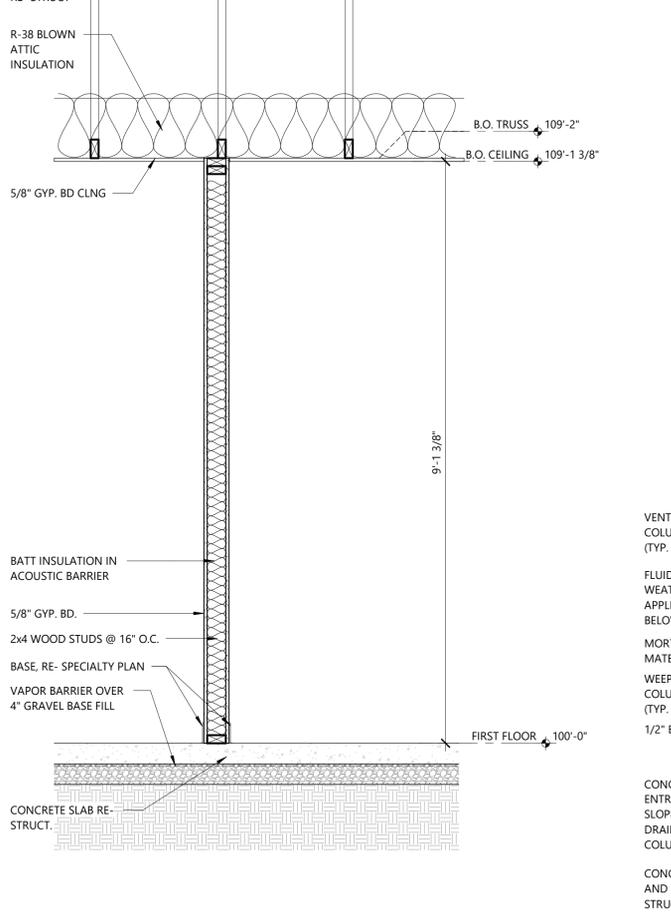
A1 Wall Section
3/4" = 1'-0"

Ref: A1/ A2.3



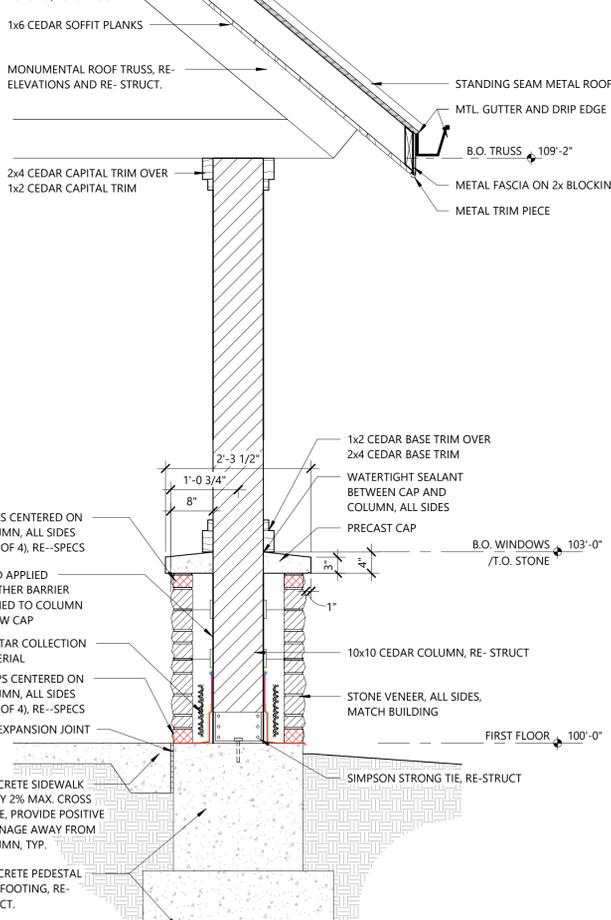
A4 Wall Section
3/4" = 1'-0"

Ref: A1/ A2.3



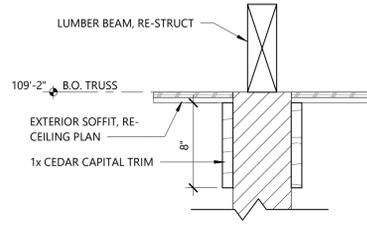
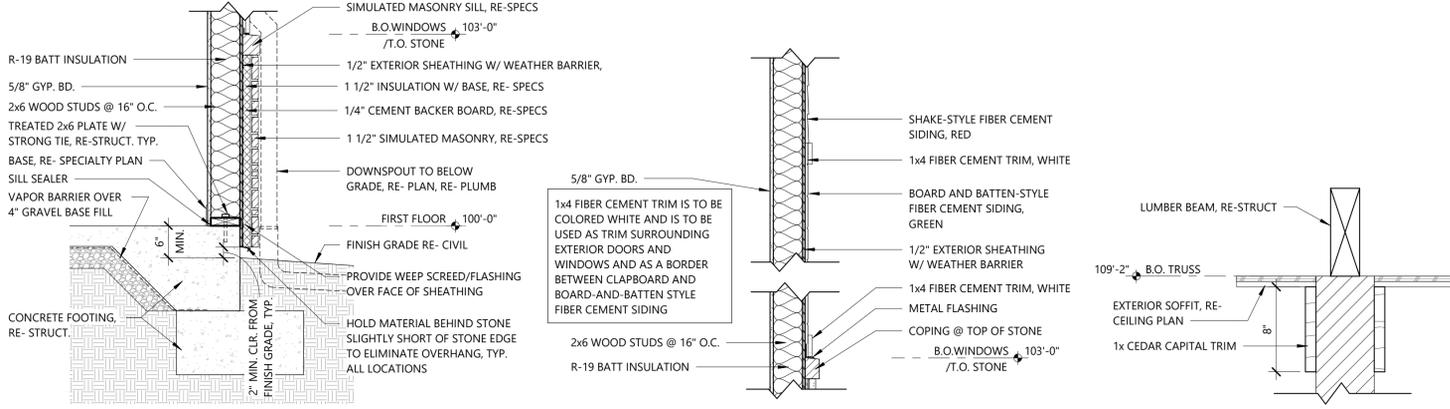
A9 Wall Section
3/4" = 1'-0"

Ref: A1/ A2.5



A12 Column Section
3/4" = 1'-0"

Ref: A15/ A2.1



H14 Rear Column Section Detail
1 1/2" = 1'-0"



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WALL SECTIONS
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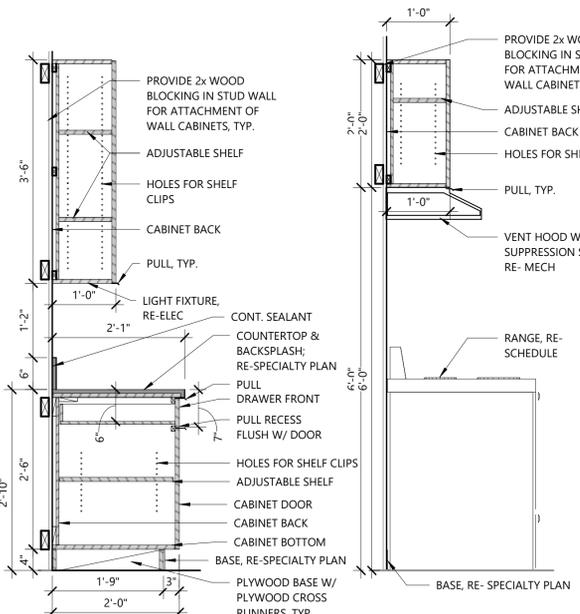
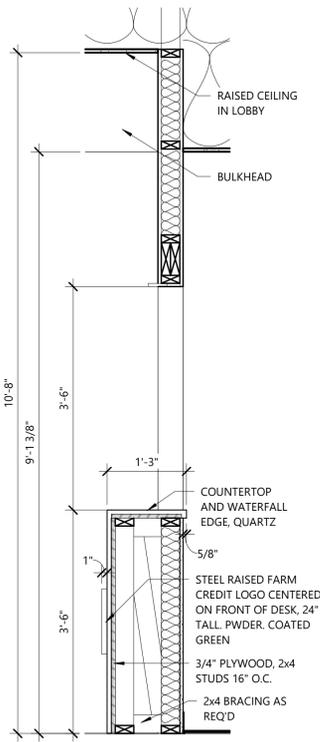
KITCHEN EQUIPMENT SCHEDULE		
PRODUCT NAME - PROVIDE (1) OF EACH BELOW	MODEL #	DIMENSIONS
GE 2.2 Cu. Ft. Capacity Countertop Microwave Oven	GCSH22U1WSS	20.94" D. x 24.44" W x 13.63" H
GE 15 Inch Under Counter Panel Ready Ice Maker with Nugget Ice	UNC15NPRII	22.64" D x 14.57" W x 33.46" H
GE Profile™ ENERGY STAR Smart UltraFresh System Dishwasher with Microban™ Antimicrobial Technology with Deep Clean Washing 3rd Rack, 39 DbA	PDT795SYVFS	24" D x 24" W x 34" H
GE 30-in 5 Burners 4.3-cu ft / 2.4-cu ft Air Fry Convection Oven Slide-in Double Oven Gas Range (Stainless Steel)	JGS586SPSS	29.25" D x 30" W x 36.25" H
GE 11.9-cu ft Counter-Depth 24-in Wide Bottom-Freezer Refrigerator (Stainless Steel) ENERGY STAR	GLE12HSPSS	23.5" D x 24" W x 69.9" H
Zephyr - Presrv 24 in. 7-Bottle and 112 Can ADA Single Zone Beverage Cooler - Stainless Steel	PRB24C01AG ADA	25.125" D. x 23.875" W x 31.625" H



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MILLWORK ELEVATIONS / DETAILS
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D1 Millwork Section
3/4" = 1'-0" Ref: A1/ A2.3

D3 Millwork Section
3/4" = 1'-0" Ref: A13/ A6.1

D5 Millwork Section
3/4" = 1'-0" Ref: A13/ A6.1

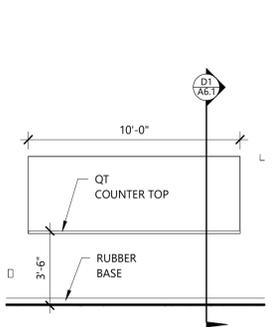
D7 Millwork Section
3/4" = 1'-0" Ref: A13/ A6.1

D9 Millwork Section
3/4" = 1'-0" Ref: A13/ A6.1

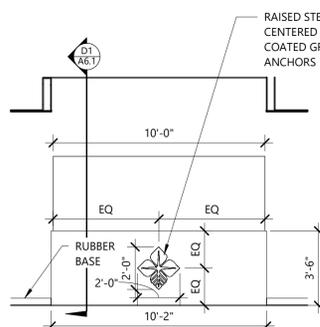
D11 Millwork Section
3/4" = 1'-0" Ref: A13/ A6.1

D13 Millwork Section
3/4" = 1'-0" Ref: A13/ A6.1

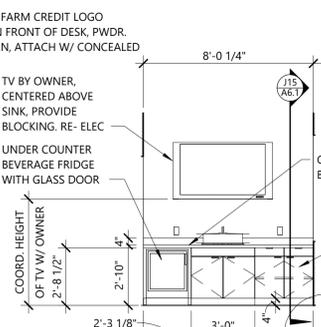
D15 Millwork Section
3/4" = 1'-0" Ref: A7/ A6.1



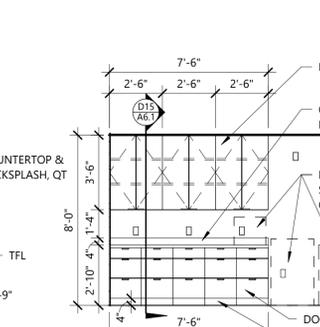
A1 Reception Desk Elevation
1/4" = 1'-0" Ref: A1/ A2.2



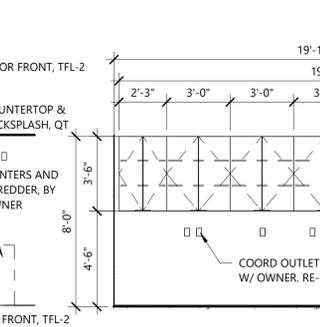
A3 Reception Desk Elevation
1/4" = 1'-0" Ref: A1/ A2.2



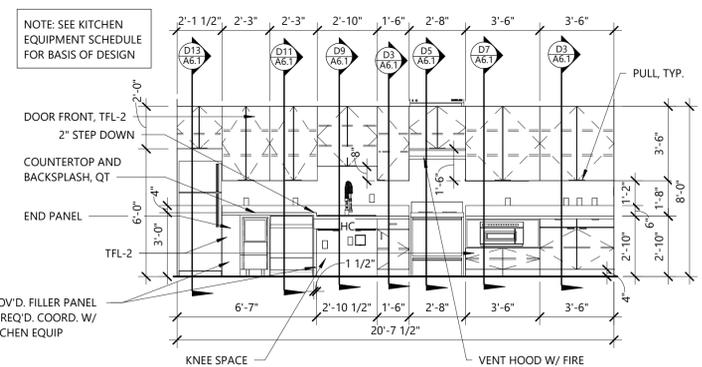
A5 Millwork Elevation
1/4" = 1'-0" Ref: A1/ A2.2



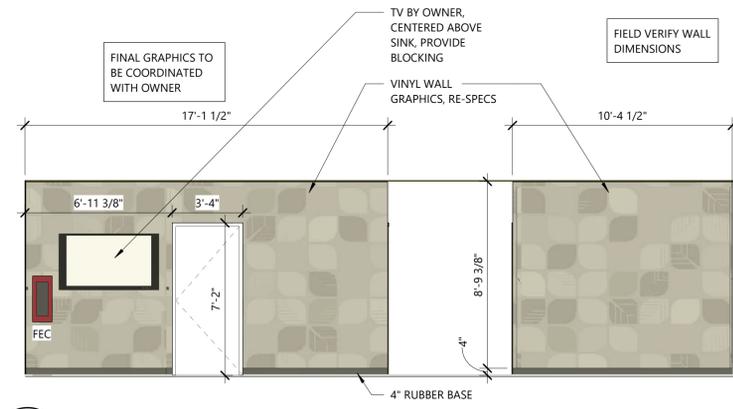
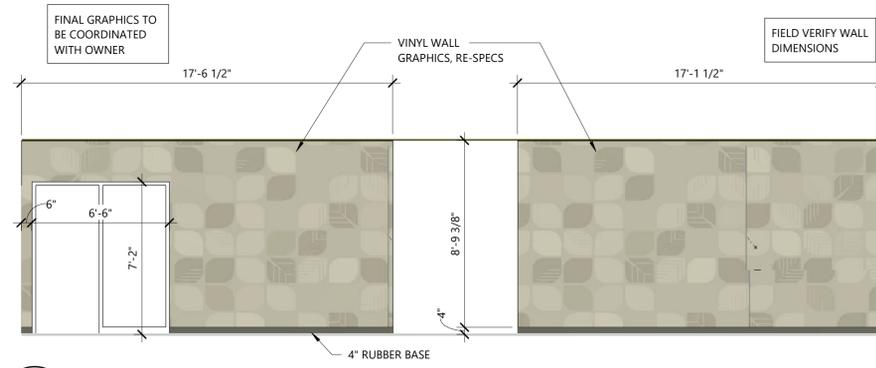
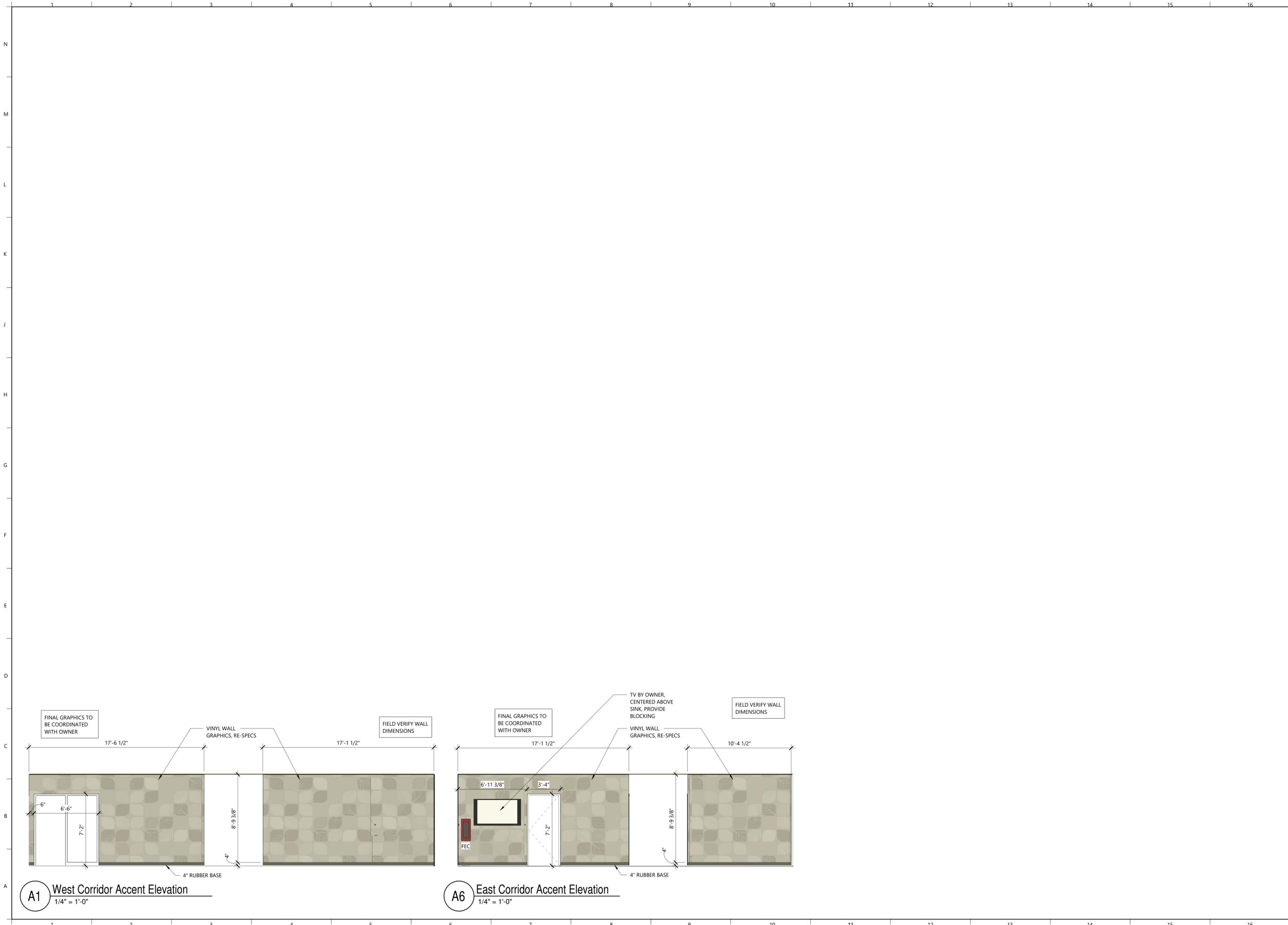
A7 Millwork Elevation
1/4" = 1'-0" Ref: A1/ A2.2



A9 Millwork Elevation
1/4" = 1'-0" Ref: A1/ A2.2



A13 Millwork Elevation
1/4" = 1'-0" Ref: A1/ A2.2



Hight Jackson ASSOCIATES
 5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72788 | (479) 464-4965 | www.hjarch.com

FARM CREDIT OF WESTERN ARKANSAS
Ozark Office
 Ozark, Arkansas

DRAWN BY: JJB
 CHECK BY: JA
 ISSUE DATE: 12/09/2025

PROJECT NO: 2529

REVISION DATES

INTERIOR ELEVATIONS
 S H E E T
A7.1
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SPECIAL INSPECTIONS

- 1. Special Inspections shall be performed in accordance with Section 1705 of 2021 IBC. An independent testing agency shall be employed to provide Special Inspections during construction on the types of work listed under Section 1705. The following areas of work require Special Inspections in accordance with 2021 IBC.
2. Refer to project specification for additional quality control/quality assurance requirements.
3. Construction Manager/Contractor shall coordinate any additional Special Inspection requirements with the Owner and applicable building authorities.
4. Special Inspections are not the responsibility of the Structural Engineer of Record.
5. Special Inspections shall be paid for directly by the Construction Manager.
6. Copies of all Special Inspections Reports shall be emailed to the SEOR Richard M. Welcher, P.E., (rmw@tswstructural.com) or his designate within seven (7) calendar days of completing the individual inspection(s).

STRUCTURAL STEEL

(IBC 1705.2.1, 1705.13.1 & 1705.14.1)

PRIOR TO WELDING (TABLE N5.4-1, AISC 360-16; TABLE J6-1, AISC 341-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Verify welding procedures (WPS) and manufacturer certifications for welding consumable available, Verify type and grade of material, Welder identification, Fit-up groove welds, Access holes, Fit-up of fillet welds, Check welding equipment, Welder qualification records and continuity records.

DURING WELDING (TABLE N5.4-2, AISC 360-16; TABLE J6-2, AISC 341-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Use of qualified welders, Control and handling of welding consumables, Cracked tack welds, Environmental conditions, WPS followed, Welding techniques, Steel headed stud anchors.

AFTER WELDING (TABLE N5.4-3, AISC 360-16; TABLE J6-3, AISC 341-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Welds cleaned, Size, length, and location of welds, Welds meet visual acceptance criteria, Arc strikes, Backing & weld tabs removed and finished, and fillet welds added (if required), Repair activities, Document acceptance or rejection of welded joint/member, Placement of reinforcing or contouring fillet welds, Weld access holes, Prohibited welds.

STEEL ELEMENTS OF COMPOSITE CONSTRUCTION (TABLES J9-1 thru J9-3, AISC 341-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Reinforcing steel, Composite member size.

OTHER STEEL INSPECTIONS (SECTION N5.7 & N5.8, AISC 360-16; TABLES J8-1 & J10-1, AISC 341-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Structural steel details (fabricated steel or steel frames), Anchor rods and other embedments supporting structural steel, Reduced beam sections (RBS), Protected zones, H-piles, Galvanized structural steel.

AFTER BOLTING (TABLE N5.6-3, AISC 360-16; TABLE J7-3, AISC 341-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Row: Document acceptance or rejection of bolted connections.

STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL (IBC 1705.2)

STEEL ROOF AND FLOOR DECKS (IBC TABLE 1705.2.2/SDI QA/QC 6.1)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Material verification of cold-formed steel deck, Floor and roof deck welding, Floor and deck mechanical fasteners, Deck installation.

CONCRETE CONSTRUCTION

(IBC 1705.3; TABLES J9-2 & J9-3, AISC 341-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Reinforcing steel, including prestressing tendons, Cast-in anchors, Post-installed anchors, Use of required mix design, Concrete sampling for strength tests, slump, air content, and temperature, Concrete & shotcrete placement, Curing temperature and techniques, Pre-stressed concrete, Erection of precast concrete, Strength verification, Formwork, Limits on water added at the truck or pump, Proper placement techniques to limit segregation, Verify installation of the embedded parts, completion of the continuity of reinforcement across joints, and completion of connections in the field, Verify installation tolerances of precast concrete diaphragm connections.

WOOD CONSTRUCTION

(IBC 1705.5, 1705.12.1 & 1705.13.2)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: High-load diaphragms, Wood trusses spanning >60 ft., Structural wood, Review procedures for completeness and adequacy relative to the Code requirements for the fabricators scope of work.

INSPECTION OF FABRICATORS

(IBC 1704.2)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Verify fabricator maintains detailed fabrication and quality control procedures, Submittal of certificate of compliance.

SOILS CONSTRUCTION

(IBC 1705.6)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Verify subgrade is adequate to achieve design bearing capacity, Verify excavations extend to proper depth and material, Verify subgrade has been appropriately prepared prior to placing compacted fill, Perform classification and testing of compacted fill materials, Verify proper materials, densities and lift thicknesses.

MASONRY CONSTRUCTION

(IBC 1705.4)

PRIOR TO CONSTRUCTION (ARTICLE 1.5, TMS-602-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Row: Review material certificates, mix designs, test results and construction procedures.

AS CONSTRUCTION BEGINS (TABLE 4, TMS-602-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Proportions of site-prepared mortar, Grade and size of prestressing tendons and anchorages, Grade, type, and size of reinforcement, connectors, anchor bolts, and prestressing tendons and anchorages, Sample panel construction.

DURING MASONRY CONSTRUCTION (TABLE 4, TMS-602-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Size and location of structural elements, Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction, Welding of reinforcement, Preparation, construction, and protection of masonry during cold weather (<40°F) or hot weather (>90°F), Observation of preparation of grout specimens, mortar specimens, and/or prisms, Placement of masonry unit and construction of mortar joints, Materials and procedures with the approved submittals.

MINIMUM TESTING (TABLE 3, TMS 602-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Verification of slump flow and Visual Stability Index (VSI) for self-consolidating grout, Verification of fm and FAAC, Verification of proportions of materials in grout and premixed or preblended mortar.

PRIOR TO GROUTING (TABLE 4, TMS-602-16)

Table with 4 columns: Verification & Inspection, Continuous, Periodic, Detailed Instructions. Rows include: Grout space, Placement of prestressing tendons and anchorages, Placement of reinforcement, connectors, and anchor bolts, Proportions of site-prepared grout and prestressing grout for bonded tendons.



Farm Credit of Western Arkansas Ozark Office Ozark, Arkansas

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CONSTRUCTION SAFETY GENERAL NOTE

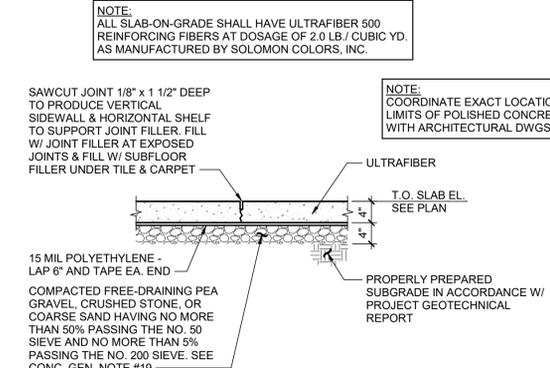
THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TEMPORARY SHORING/BRACING, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

Concrete General Notes 3100:

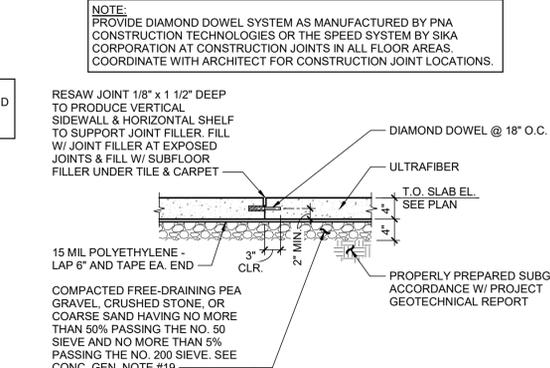
- All detailing, fabrication and placing of reinforcing steel shall conform to the ACI Standard "Details and Detailing of Concrete Reinforcement" (ACI 315).
- Concrete at slab-on-grade shall develop a 28-day minimum compressive strength of 3,500 psi and have Ultra Fiber 500 manufactured by Solomon Colors, Inc. mixed into the concrete at 2.0 lb/cubic yard. Follow normal mixing time and speed as recommended by ASTM C94.
- Concrete at elevated slab on metal deck shall develop a 28-day minimum compressive strength of 3,500 psi. Elevated slab concrete shall be normal weight.
- All concrete at footings and pedestals shall typically develop a 28-day minimum compressive strength of 3,000 psi.
- All concrete for footings and slab-on-grade shall have a 5" maximum slump. Concrete at elevated slabs shall have a 5" maximum slump.
- All reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
- All reinforcing bar splices shall be 44 bar diameters for #6 and smaller diameter bars. Reinforcing bar splices shall be 48 bar diameters for #7 and larger bar diameters.
- All reinforcing bar hooks shall be ACI standard 90 degree hook, unless noted otherwise.
- Provide two #4 x 4'-0" long diagonal bars centered in slab, at all re-entrant corners and any other locations designated on the plans.
- Provide corner bars in footings and turn-down slab same size and spacing as longitudinal reinforcing.
- Provide (1) #4 hoop with 8" lap in slab-on-grade around floor drains, columns and all slab penetrations 3" in diameter or greater. Also install around electrical conduit groupings 3" in diameter or greater.
- Limit the width of conduit groups to 3'-0" as they pass under wall footings. As much as possible, align the conduit perpendicular to the footing as it passes under the footing. Provide a minimum spacing of 2'-0" between conduit groups as the conduit passes under a footing. **Do not extend conduits under column footings or spread footings.**
- Plate dowel system shall be Diamond Dowel System by PNA Construction Technologies, the Speed Plate System by SIKA Corp. or approved equal. Install plate dowels at slab construction joints at 18" o.c.
- Smooth dowels shall be steel conforming to ASTM A36.
- All slots, sleeves and other embedded items shall be set before concrete is placed. See Architectural, Electrical, Mechanical, and Vendor's drawings for size and locations.
- Bar supports at footings, slabs-on-grade and elevated slabs shall be factory made wire bar supports, type "SBU" linear supports.
- Epoxy for doweling reinforcement shall be HY-200 by Hilli, AT 3G by Simpson Strong-Tie or AC208+ by Dewart, unless noted otherwise.
- Maximum net allowable bearing pressure = 2,500 psf. for continuous and isolated spread footings. Footings shall bear on structural fill as described in the Geotechnical Report No. G2025086 dated October 10th, 2025 by Data Testing Inc.
- Use of compacted, free-draining pea gravel, crushed stone, or coarse sand underneath the building slab is recommended by TSW, Inc. Consult Geotechnical Engineer regarding potential substitution of free-draining coarse materials with approved subgrade. Slabs-On-Grade have been designed for a modulus of subgrade reaction (k-value) of 100 ps/in.

Concrete Masonry General Notes 4100:

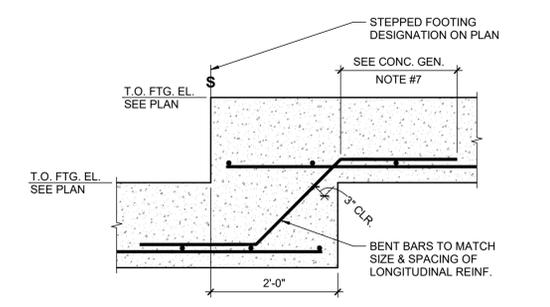
- All concrete masonry units shall be lightweight above finished floor and normal weight below grade. All hollow concrete masonry units shall conform to ASTM C90, Grade N, Type 1 with a minimum ultimate compressive prism strength (Fm) of 2,000 psi for the masonry assemblage. All concrete masonry shall be laid in Running (Common) Bond.
- Mortar at exterior walls, all load-bearing walls, and walls below grade shall be Type S mortar and have a minimum compressive strength of 1,800 psi. All mortar shall conform to ASTM C270. **Masonry cement shall not be used for mortar.**
- All grout shall be ready-mix concrete, with 3/8" diameter max. aggregate, have a minimum 28-day compressive strength of 2,000 psi and a design slump between 8" to 10" or preblended product (Core Fill Grout, Coarse CF-02, by Spec Mix) with a minimum 28-day compressive strength of 2,000 psi and a design slump between 8" to 10".
- All 8" CMU bond beam units shall be reinforced with one bar. See Masonry Wall Reinforcement Schedule on Drawing S3.0 for size of bars for vertical wall reinforcement and bond beam requirements. Provide corner bars and lap bond beam reinforcing 48 bar diameters.
- All reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
- All bolts, anchors, reinforcement and embedded items shall be grouted in place.
- All reinforcing bar splices shall be 48 bar diameters, U.N.O.
- At all 8" CMU walls provide (1) vertical bar each cell for the first (2) cells adjacent to control joints in walls, at ends of walls, wall corners and on each side of wall openings, unless noted otherwise. Vertical bars shall match reinforcement for remainder of wall. See Masonry Wall Reinforcement Schedule on Drawing S3.0 for size of reinforcement.
- Provide control joints in stone veneer where shown on Architectural Drawings.
- Place control joints for CMU walls @ max. 24'-0" o.c.
- Provide horizontal joint reinforcement at 16" o.c. Reinforcement shall be ladder design, min. 9 gage welded steel wire, hot dipped galvanized to 1.5 oz. width shall be 1 1/2" less than wall thickness.



1 TYP. SLAB-ON-GRADE CONTROL JT. DTL. (CJ)
NOT TO SCALE



2 TYP. SLAB-ON-GRADE CONSTRUCTION JT. DTL. (CJ)
NOT TO SCALE



3 TYP. STEPPED FOOTING DETAIL
NOT TO SCALE

TYPICAL STRUCTURAL ABBREVIATIONS

A.R.	ANCHOR ROD	F.V.	FIELD VERIFY	PLF	POUNDS PER FOOT
ACI	AMERICAN CONCRETE INSTITUTE	FDN	FOUNDATION	PROJ	PROJECTION
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FIN	FINISH	PSF	POUNDS PER SQUARE FOOT
ARCH	ARCHITECT	FLR	FLOOR	PSI	POUNDS PER SQUARE INCH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	FTG	FOOTING	R	RADIUS
BLDG	BUILDING	GA	GAUGE	REINF	REINFORCEMENT
BM	BEAM	GALV	GALVANIZED	REQ'D	REQUIRED
BOTT	BOTTOM	H.S.A.	HEADED STUD ANCHOR	RTU	ROOF TOP UNIT
BRG	BEARING	HK	HOOK	S.O.G.	SLAB ON GRADE
BTWN	BETWEEN	HORIZ	HORIZONTAL	SCHED	SCHEDULE
CFS	COLD-FORMED STEEL	J.B.E.	JOIST BEARING	SECT	SECTION
CL	CENTER LINE	JT	JOINT	SEOR	STRUCTURAL ENGINEER OF RECORD
CLR	CLEAR	L	ANGLE	SIM	SIMILAR
COL	COLUMN	LG	LONG	SPA	STEEL JOIST INSTITUTE
CONC	CONCRETE	LLH	LONG LEG HORIZONTAL	SPECS	SPECIFICATIONS
CONN	CONNECTION	LLV	LONG LEG VERTICAL	STD	STANDARD
CONT	CONTINUOUS	LONG	LONGITUDINAL	STIFF	STIFFENER
DEFL.	DEFLECTION	MAX	MAXIMUM	STL	STEEL
DIA. or Ø	DIAMETER	MBM	METAL BUILDING MANUFACTURER	TOC	TOP OF CONCRETE
DIM	DIMENSION	MECH	MECHANICAL	TOF	TOP OF FOOTING
DN	DOWN	MFR	MANUFACTURER	TOS	TOP OF STEEL
do	DITTO	MIN	MINIMUM	TOW	TOP OF WALL
DTL	DETAIL	MISC	MISCELLANEOUS	TRANS	TRANSVERSE
DWG	DRAWING	MTL	METAL	TYP	TYPICAL
E.F.	EACH FACE	N.S.	NEAR SIDE	U.N.O.	UNLESS NOTED OTHERWISE
E.W.	EACH WAY	O.C.	ON CENTER	VERT	VERTICAL
EA	EACH	O.F.	OUTSIDE FACE	W	WITH
EL	ELEVATION	OPNG	OPENING	WP	WORK POINT
EQ	EQUAL	P.A.F.	POWDERED ACTUATED	WWF	WELDED WIRE FABRIC
EXIST	EXISTING	PL	PLATE		
EXP	EXPANSION				
F.S.	FAR SIDE				



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Farm Credit of Western Arkansas
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CHECK BY: RMW
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REVISION DATES

FOUNDATION GENERAL NOTES & TYP. DETAILS

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Composite Beam General Notes 5110:

1. Shear connectors shall be 3/4"Ø x 5" headed stud anchors (H.S.A.'s) conforming to ASTM A108.
2. Studs shall be installed in accordance with the specifications of the American Welding Society. Welding shall be done by a certified welder.
3. Installation of studs to the floor beams shall be inspected by the Testing Laboratory. See specifications for inspection requirements.
4. The minimum distance from the edge of the stud to the edge of the beam flange shall not be less than 1 1/2".
5. Minimum concrete cover around studs shall be 1".
6. <60> on the framing plan indicates the total number of studs per beam, equally spaced along the centerline of beam. Maximum stud spacing shall not exceed 12" o.c.. Where steel deck is perpendicular to the beam, a minimum of one stud per flute shall be provided (12" o.c.).
7. Top flange of beam shall not be painted.

Steel Deck General Notes 5300:

1. Deck at elevated concrete cap shall be 1 1/2" deep 22 gauge, galvanized steel VL Composite deck. (Vulcraft 1.5VL22, New Millennium 1.5CD22 or approved equal)
2. Deck at Elevated Concrete Cap shall be attached to the steel per the Composite Deck Fastening pattern, see detail 1/S1.2.
3. All deck shall be fastened per Steel Deck Institute (SDI) requirements.
4. Deck specified has been determined on basis of 3 span condition; deck supplier shall use heavier gauge if required for one and two span conditions.

Wood Framing General Notes 6100:

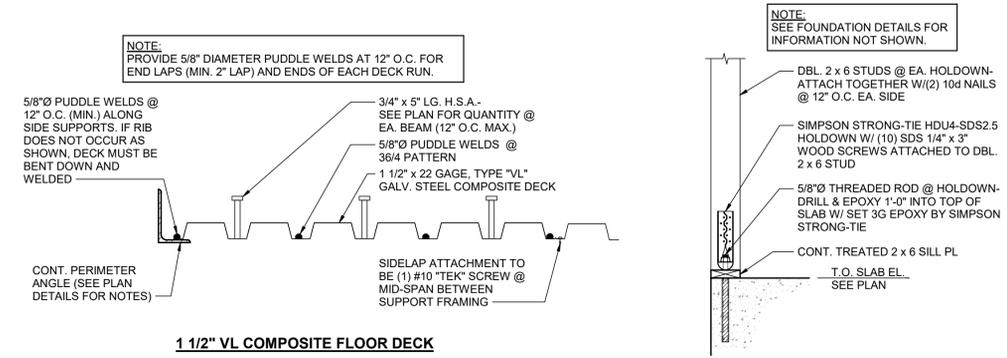
1. All framing lumber shall be Southern Yellow Pine (SYP) No. 2 or Douglas Fir Larch (DF-L) No. 1. Lumber shall have a moisture content between 7% and 19%.
2. All nailing is to be in accordance with the 2021 International Building Code Wood Fastening Schedule, Table 2304.10.2, unless noted otherwise.
3. All wood connectors are to be installed according to the manufacturer's specifications and recommendations with the maximum number and size of nails.
4. All multi-member beams and headers shall be glued and nailed together with (3) rows of 16d nails at 12" o.c.. Nail both sides of all 3-ply members.
5. All exterior walls shall be sheathed with 1/2" APA rated OSB sheathing along outside face of stud wall for full height of wall. (Attach OSB to wood stud wall with 8d common nails at 6" o.c. along panel edges and 12" o.c. at intermediate studs).
6. Where noted on the plan interior load bearing walls shall be sheathed with 1/2" APA rated OSB sheathing on one side full height from finish floor to bottom of second floor deck and from the second floor deck to bottom of roof sheathing. (Attach OSB to wood stud wall with 8d common nails at 6" o.c. along panel edges and 12" o.c. at intermediate studs).
7. All exterior walls and all interior load bearing walls shall have 2x solid horz. blocking @ max. vert. spacing of 4'-0" o.c.

Wood Truss General Notes 6200:

1. The wood and fabrication criteria of all wood trusses are to meet the "National Design Specifications for Stress Grade Lumber and its Fastenings" by the National Forest Products Association, "Timber Construction Standards" by American Institute of Timber Construction, and "Design Specifications for Light Metal Plate Connected Wood Trusses by the Truss Plate Institute.
2. All connector plates are to be a minimum of 20 gauge. All connector plates are to meet the requirements of ASTM A446 grade A and are to be hot dipped galvanized according to ASTM A525 with g60 coating.
3. All lumber used for the truss members is to have a moisture content between 7% and 19% at the time of fabrication.
4. All wood trusses are to be installed and temporarily braced in accordance with "Bracing Wood Trusses commentary and recommendations" by the Truss Plate Institute.
5. During erection of trusses, care shall be exercised to keep horizontal bending of truss to a minimum. Proper erection bracing shall be installed to hold trusses true and plumb and in a safe condition until the roof decking and permanent truss bracing is installed.
6. The truss manufacturer is to prepare complete fabrication and erection drawings, fully engineered and sealed by a structural engineer registered in the state of Arkansas.
7. Truss manufacturer is responsible for designing and supplying all wood truss to wood truss connections.
8. Truss manufacturer shall design and provide permanent bridging and bracing for trusses.
9. Truss manufacturer shall design trusses for mechanical equipment loads in addition to the uniform dead and live loads. Coordinate equipment size and location with mechanical contractor.
10. Wood trusses shall be designed for a net wind uplift of 16.0 psf.
11. Structural component manufacturer shall have its manufacturing operations inspected at least four (4) times per year by an independent third party inspection agency. In-plant inspections shall be performed in accordance with ANSI/TPI-1 Chapter 3 and the Structural Building Components Associations SCORE Program. Component manufacturer shall be SCORE certified by the Structural Building Components Association. This requirement will not be waived by the SEOR. Contact Capital Structures, Inc. 479-783-8666.

Design Loads

1. Roof Dead Load: 20 psf
2. Roof Live Load: 20 psf
3. Elevated Floor Dead Load (6" slab): 75 psf
4. Elevated Floor Live Load: 20 psf
5. Rain Intensity, (I):
 - 15 min. Intensity 6.01 in/hr
 - 60 min. Intensity 3.15 in/hr
6. Snow Load: 10 psf
 - Ground Snow Load:
 - Flat-roof Snow Load at main roof (P_g) = 7.0 psf
 - Slope Factor (C_s) = 0.75
 - Snow Exposure Factor (C_e) = 1.0
 - Snow Load Importance Factor (I_s) = 1.0
 - Thermal Factor (C_t) = 1.0
7. Wind Load: 106 mph
 - Ultimate Design Wind Speed (V_{ult}):
 - Nominal Design Wind Speed (V_{nom}): 82.1 mph
 - Risk Category II
 - Wind Exposure B
 - Internal Pressure Coefficient, GC_p = ±0.18
8. Components & Cladding Wind Load (Unfactored): 5 ft
 - Width of Edge Zone, e = 21.9 psf
 - Wall Pressures (10 ft²):
 - End Zone Wall = 17.7 psf
 - Interior Zone = 16.0 psf
 - Wall Pressures (100 ft²):
 - End Zone Wall = 17.0 psf
 - Interior Zone = 16.0 psf
 - Roof Pressures (10 ft²):
 - Corner Zone = 23.7 psf
 - Eave & Rake Zone = 21.7 psf
 - Interior Zone = 18.7 psf
 - Roof Pressures (100 ft²):
 - Corner Zone = 16.3 psf
 - Eave & Rake Zone = 16.0 psf
 - Interior Zone = 16.0 psf
9. Seismic:
 - Risk Category II
 - Seismic Importance Factor (I_s) = 1.0
 - S_s = 0.186
 - S₁ = 0.099
 - S_{0.5} = 0.199
 - S_{0.1} = 0.158
 - Site Class C (per Geotechnical Report)
 - Seismic Design Category B
 - Basic Structural System: Bearing Wall System
 - Seismic Resisting System: Light-framed (wood) Walls Sheathed w/ Wood Structural Panels Rated for Shear Resistance
 - Response Modification Coefficient (R): 6.5
 - Deflection Amplification Factor (C_d): 4.0
 - Seismic Response Coefficient (C_s): 0.0248
 - Analysis Procedure: Equivalent Lateral Force Procedure
10. Building Code:
 - 2021 Arkansas Fire Prevention Code, Volume II
 - 2021 International Building Code
 - ASCE 7-16



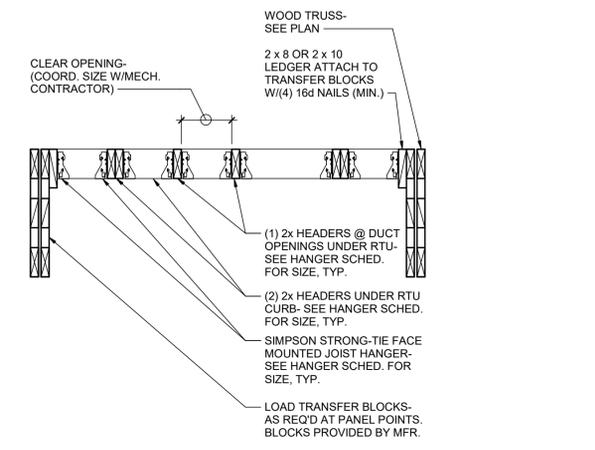
1 TYP. COMPOSITE FLOOR DECK FASTENING PATTERN DETAIL
NOT TO SCALE

2 TYP. HOLDDOWN @ STUD WALL
NOT TO SCALE

HANGER SCHEDULE

HEADER SIZE	HANGER SIZE	REMARKS
2 x 6	LUS26	----
(2) 2 x 6	(2) LUS26	----
2 x 8	LUS28	----
(2) 2 x 8	(2) LUS28	----
2 x 10	LUS210	----
(2) 2 x 10	(2) LUS210	----

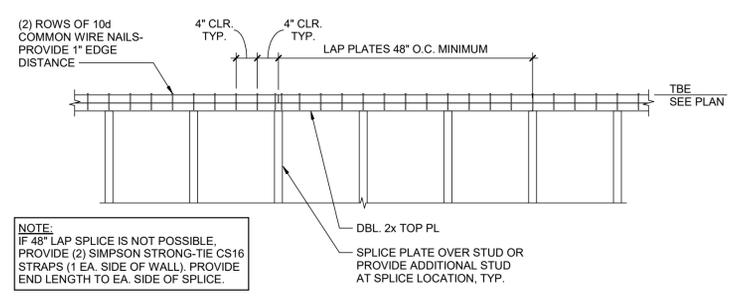
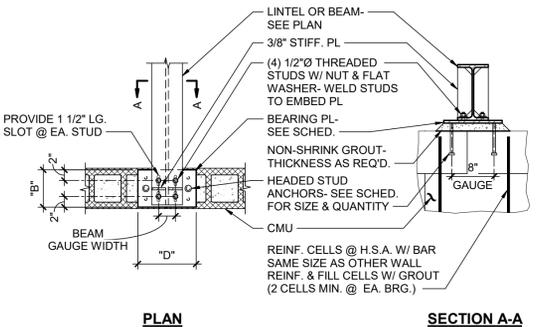
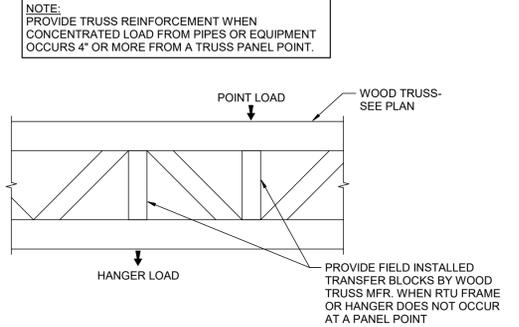
- HANGER SCHEDULE NOTES:**
1. FOR OPENINGS LESS THAN 1'-4" USE (1) 2 x 6 HEADER.
 2. FOR OPENINGS GREATER THAN 1'-4" & LESS THAN 4'-0" USE (2) 2 x 8 HEADERS.
 3. FOR OPENINGS GREATER THAN 4'-0" & LESS THAN 6'-0" USE (2) 2 x 10 HEADERS.



3 TYP. ROOF WOOD FRAMED OPNG. DTL.
NOT TO SCALE

BEARING PLATE SCHEDULE

LINTEL/BEAM SIZE	LINTEL BRG. PL SIZE (t x B x D)	BEAM BRG. PL SIZE (t x B x D)	HEADED STUD ANCHORS	SEE DTL.	REMARKS
ALL BEAM SIZES	3/8" x 7" x 11"	3/8" x 7" x 11"	(2) 1/2"Ø x 6" H.S.A.	5/S1.2	8" CMU WALL



5 TYP. WF LINTEL & BEAM BEARING PLATE DETAILS
NOT TO SCALE

6 TYP. TOP PLATE SPLICE DETAIL
NOT TO SCALE



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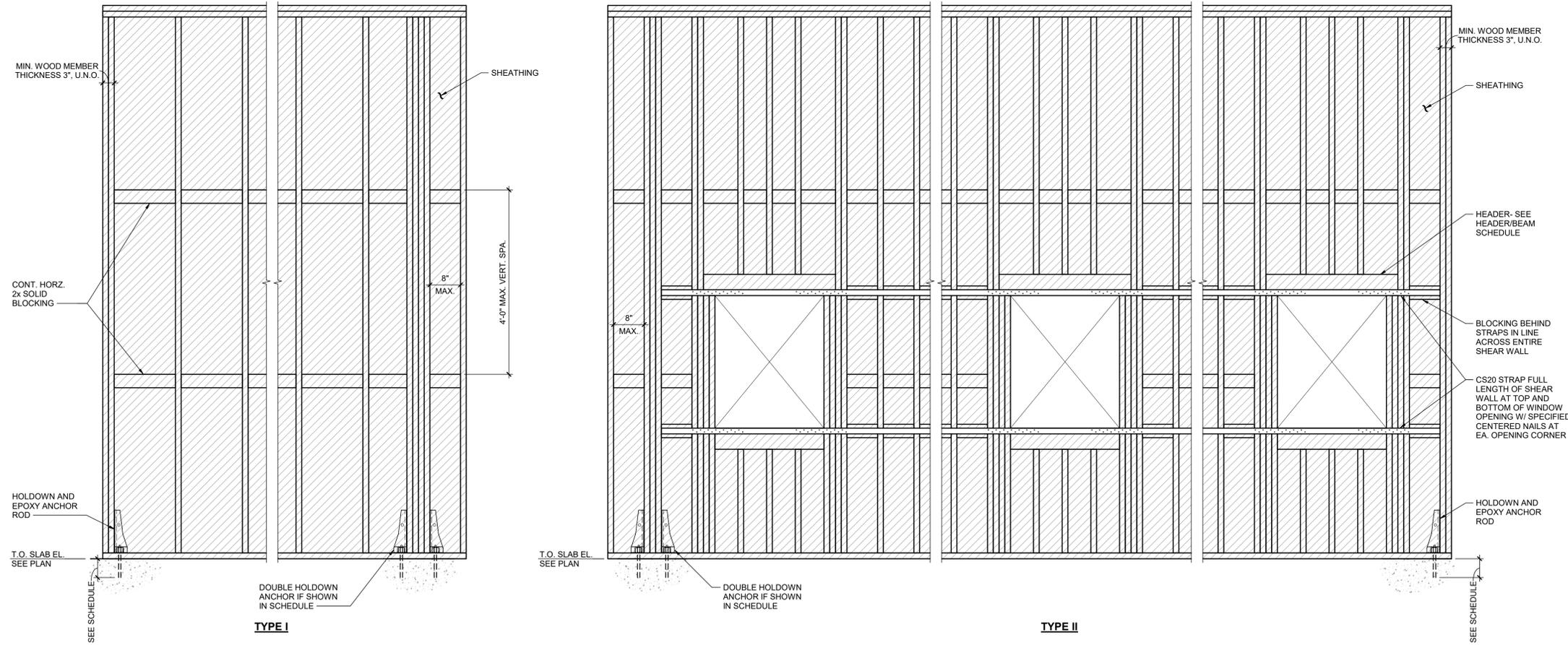
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SHEAR WALL SCHEDULE									
MARK	TYPE	SHEATHING	SHEATHING FASTENING	HOLDOWN	ANCHOR ROD, EPOXY, & EMBED	STRAP	STRAP FASTENING @ EA. OPENING CORNER	BLOCKING	REMARKS
A	I	15/32" NOMINAL STRUCTURAL I GRADE	8d NAILS @ 6" O.C. AT PANEL EDGES & 12" O.C. AT INTERMEDIATE SUPPORTS	(1) HDU4-SDS2.5 W/ (10) SDS 1/4" x 2 1/2" SCREWS TO MIN. (2) 2x6 STUDS (MIN. MEMBER THICKNESS = 3")	5/8"Ø ANCHOR ROD EMBED 12" MIN. W/ SIMPSON STRONG-TIE SET-3G EPOXY	N/A	N/A	FULLY BLOCKED @ 4'-0" O.C. VERTICALLY	SEE NOTE #1
B	II	15/32" NOMINAL STRUCTURAL I GRADE	8d NAILS @ 6" O.C. AT PANEL EDGES & 12" O.C. AT INTERMEDIATE SUPPORTS	(1) HDU4-SDS2.5 W/ (10) SDS 1/4" x 2 1/2" SCREWS TO MIN. (2) 2x6 STUDS (MIN. MEMBER THICKNESS = 3")	5/8"Ø ANCHOR ROD EMBED 12" MIN. W/ SIMPSON STRONG-TIE SET-3G EPOXY	CS20	(14) 8d NAILS IN 9" END LENGTH AT EA. CORNER	FULLY BLOCKED @ 4'-0" O.C. VERTICALLY	SEE NOTE #1
C	II	15/32" NOMINAL STRUCTURAL I GRADE	8d NAILS @ 4" O.C. AT PANEL EDGES & 12" O.C. AT INTERMEDIATE SUPPORTS	(1) HDU4-SDS2.5 W/ (10) SDS 1/4" x 2 1/2" SCREWS TO MIN. (2) 2x6 STUDS (MIN. MEMBER THICKNESS = 3")	5/8"Ø ANCHOR ROD EMBED 12" MIN. W/ SIMPSON STRONG-TIE SET-3G EPOXY	CS20	(14) 8d NAILS IN 9" END LENGTH AT EA. CORNER	FULLY BLOCKED @ 4'-0" O.C. VERTICALLY	SEE NOTE #1

SHEAR WALL SCHEDULE NOTES:
 1. ALL CONNECTORS, STRAPS, HOLDOWNS AND ANCHORS, & EPOXY SHALL BE BY SIMPSON STRONG-TIE, NO EXCEPTIONS.



1 TYP. SHEAR WALL ELEVATION, AND SCHEDULE
 3/4" = 1'-0"



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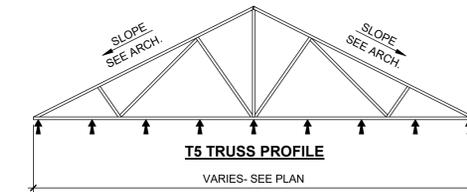
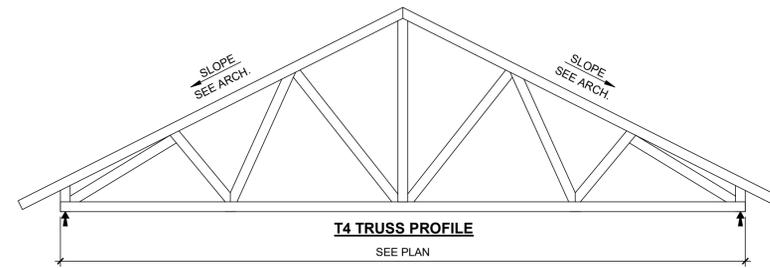
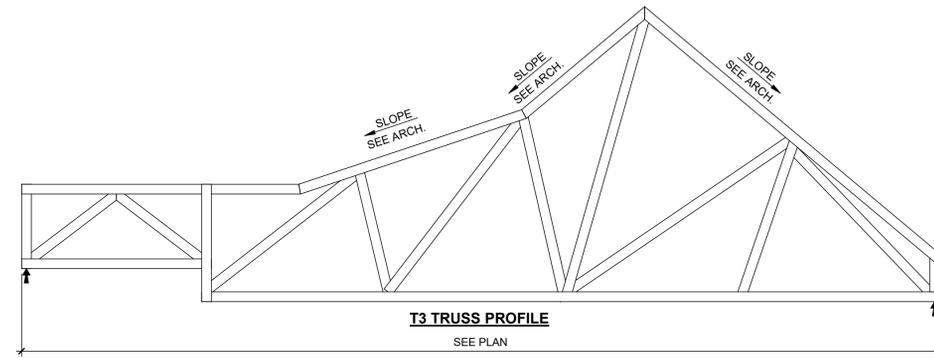
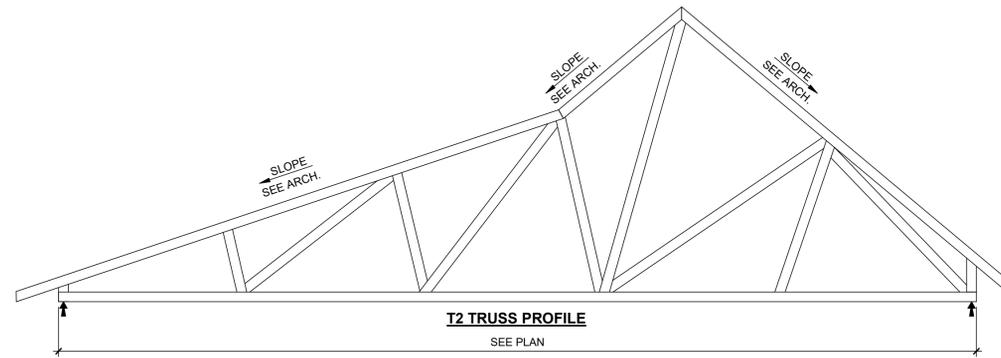
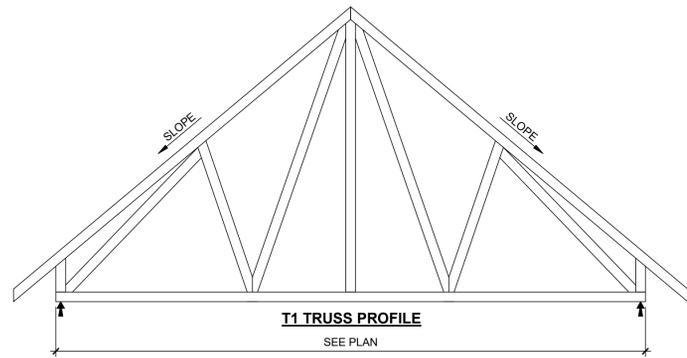
SHEAR WALL ELEVATION & SCHEDULE

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1 TRUSS PROFILE DETAILS
1/4" = 1'-0"

NOTE:
TRUSS PROFILES ARE GENERAL AND ONLY FOR PROVIDING DESIGN INTENT CLARIFICATION TO THE TRUSS SUPPLIER. ACTUAL TRUSS PROFILE AND TRUSS COMPONENT CONFIGURATION SHALL BE PER THE TRUSS SUPPLIER'S ENGINEER.



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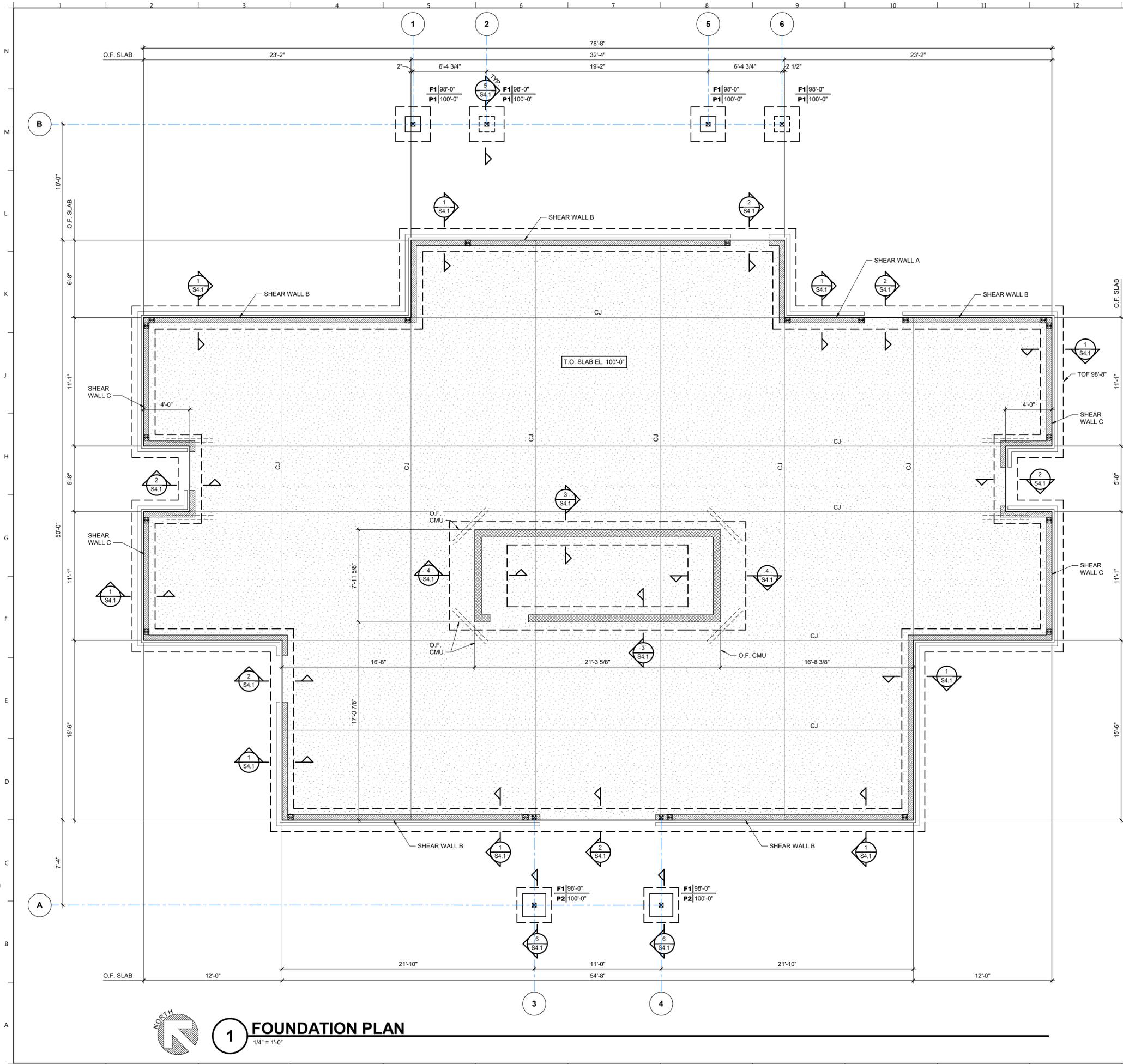
TRUSS PROFILES
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- LEGEND:**
- FOOTING MARK (SEE FTG. SCHED. ON THIS SHEET)
 - TOP OF FOOTING ELEVATION
 - TOP OF PEDESTAL ELEVATION
 - PEDESTAL MARK (SEE PED. SCHED. ON THIS SHEET)
 - DENOTES POST (SEE FRAMING PLAN)
 - DENOTES OUTSIDE FACE
 - DENOTES TOP OF FOOTING
 - DENOTES DIMENSION OR ELEVATION TO BE FIELD VERIFIED
 - DENOTES LIMITS OF 4" SLAB ON GRADE (T.O. SLAB EL. 100'-0") SEE PLAN NOTES
 - DENOTES LOAD-BEARING CMU WALL
 - DENOTES TOP OF SLAB EL.
 - DENOTES LOCATION OF HOLDDOWN (SEE DTL. 2 / S1.2)
 - DENOTES LOCATION OF RE-ENTRANT CORNER BARS (SEE CONC. GEN. NOTE #9)

- PLAN NOTES:**
1. 4" S.O.G. CONSTRUCTION: 4" CONCRETE SLAB REINFORCED W/ ULTRA FIBER 500 ON 15 MIL POLYETHYLENE FILM (COORD. W/ ARCH. SPECS.) OVER 4" COMPACTED FREE-DRAINING PEA GRAVEL, CRUSHED STONE, OR COARSE SAND (SEE CONC. GEN. NOTE #19).
 2. CENTER POST FTGS. UNDER POST, (U.N.O.).
 3. ALL ELEVATIONS BASED ON FINISH FLOOR EL. 100'-0".
 4. TOP OF FOOTING ELEVATION 98'-8", TYP. (U.N.O.).
 5. TOP OF PEDESTAL ELEVATION 100'-0", TYP. (U.N.O.).
 6. SEE ARCH. DWGS. / OVERALL FOUNDATION PLAN FOR DIMENSIONS NOT SHOWN.
 7. "CJ" DENOTES CONTROL OR CONSTRUCTION JOINT. (SEE DTLs. 1/S1.1 & 2/S1.1).
 8. COORDINATE LOCATION & LIMITS OF VENEER WITH ARCH. DWGS.
 9. COORDINATE DOOR LOCATIONS WITH ARCH. DWGS.
 10. COORDINATE LOCATIONS OF PLUMBING LINES W/ PLUMBER PRIOR TO POURING FOOTINGS & SLABS-ON-GRADE.
 11. SEE DWG. S1.1 FOR GENERAL NOTES & TYP. DETAILS.
 12. SEE ARCH. FLOOR PATTERN PLANS FOR SLAB LOCATIONS WITH POLISHED CONCRETE.

FOOTING SCHEDULE					
MARK	FOOTING SIZE			REINFORCING	REMARKS
	B	L	t		
F1	3'-0"	3'-0"	1'-4"	(4) #5 E.W., BOT.	----

PEDESTAL SCHEDULE					
MARK	PEDESTAL SIZE		VERTICAL DOWELS	TIES	REMARKS
	WIDTH	LENGTH			
P1	1'-4"	1'-4"	(8) #6 DOWELS	#3 TIES @ 12" O.C.	----
P1	2'-0"	2'-0"	(12) #6 DOWELS	#3 TIES @ 12" O.C.	----

1 FOUNDATION PLAN
 1/4" = 1'-0"

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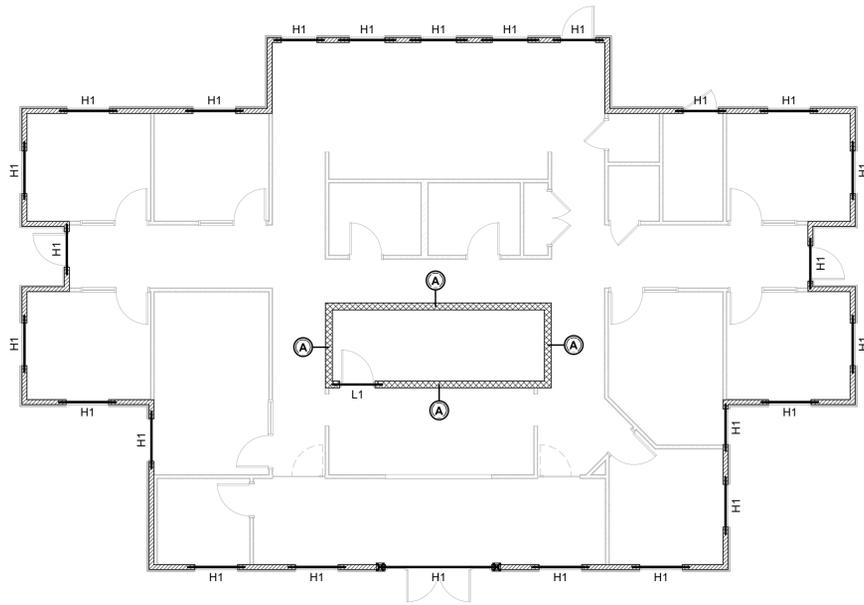


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1 HEADER/LINTEL & MASONRY PLAN

1/8" = 1'-0"

- LEGEND:**
- H1 DENOTES HEADER MARK, SEE HEADER SCHED. ON THIS DWG.
 - L1 DENOTES LINTEL MARK, SEE LINTEL SCHED. ON THIS DWG.
 - A DENOTES MASONRY WALL REINF. MARK, SEE MASONRY WALL REINF. SCHED. ON THIS DWG.
 - (Diagonal hatching) DENOTES LOAD-BEARING STUD WALL
 - (Cross-hatching) DENOTES LOAD-BEARING CMU WALL

- PLAN NOTES:**
1. SEE DWGS. S1.1 & S1.2 FOR GENERAL NOTES & TYP. DETAILS.

LINTEL SCHEDULE					
MARK	WALL LOCATIONS	TYPE & SIZE (THICKNESS x HEIGHT)	REINFORCEMENT OR ATTACHMENT	BRICK ANGLE OR PLATES	REMARKS
L1	8" CMU	CMU 8" x 8" BOND BM.	(2) #4 BOTT.	----	SEE NOTES #1 THRU #5

- LINTEL SCHEDULE NOTES:**
1. SEE ARCH. DWGS. FOR EXACT LOCATION OF ALL LINTELS.
 2. COORDINATE ALL CMU ELEVATIONS WITH ARCH. DWGS.
 3. ALL CMU LINTELS SHALL HAVE 8" MIN. BEARING EACH SIDE OF OPENING.
 4. FILL ALL CMU LINTELS WITH 2,000 PSI GROUT.
 5. ALL 8" CMU LINTELS SHALL HAVE A MIN. (2) CELLS OF (1) #5 JAMB STEEL EACH SIDE OF OPENING.

MASONRY WALL REINFORCEMENT SCHEDULE						
MARK	WALL LOCATION	BOND BEAM REINF.	BOND BEAM LOCATIONS	VERT. REINF.	FOUNDATION DOWELS	REMARKS
A	8" CMU	(1) #5 BOTT.	TOP OF WALL, ROOF EL., & WHERE NOTED ON DWGS.	#5 @ 8" O.C.	#5 DOWEL @ 8" O.C. CENTER IN WALL	SEE NOTE #1

- MASONRY WALL REINFORCEMENT SCHEDULE NOTES:**
1. DOWEL AT FOUNDATION SHALL BE CAST-IN-PLACE. DRILLING AND EPOXY SETTING OF DOWELS SHALL NOT BE PERMITTED. SEE FOUNDATION DETAILS.

HEADER SCHEDULE			
MARK	SIZE & TYPE	BRICK ANGLE OR PLATES	REMARKS
H1	(3) 2 x 10 W/(2) 1/2" PLYWOOD SPACERS	----	SEE NOTES #1 THRU #4

- HEADER/BEAM SCHEDULE NOTES:**
1. ALL MULTI-MEMBER BEAMS & HEADERS SHALL BE GLUED & NAILED TOGETHER WITH (3) ROWS OF 16d COMMON WIRE NAILS @ 12" O.C. WITH 2" EDGE DISTANCE. NAIL BOTH SIDES OF ALL 3-PLY MEMBERS.
 2. PROVIDE MIN. (2) JACK STUDS & (2) KING STUDS WHERE HEADERS BEAR ON STUD WALL. A KING STUD IS DEFINED AS A STUD THAT GOES FULL HEIGHT OF THE WALL.
 3. SEE WOOD GENERAL NOTES ON S1.2.
 4. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL HEADERS.



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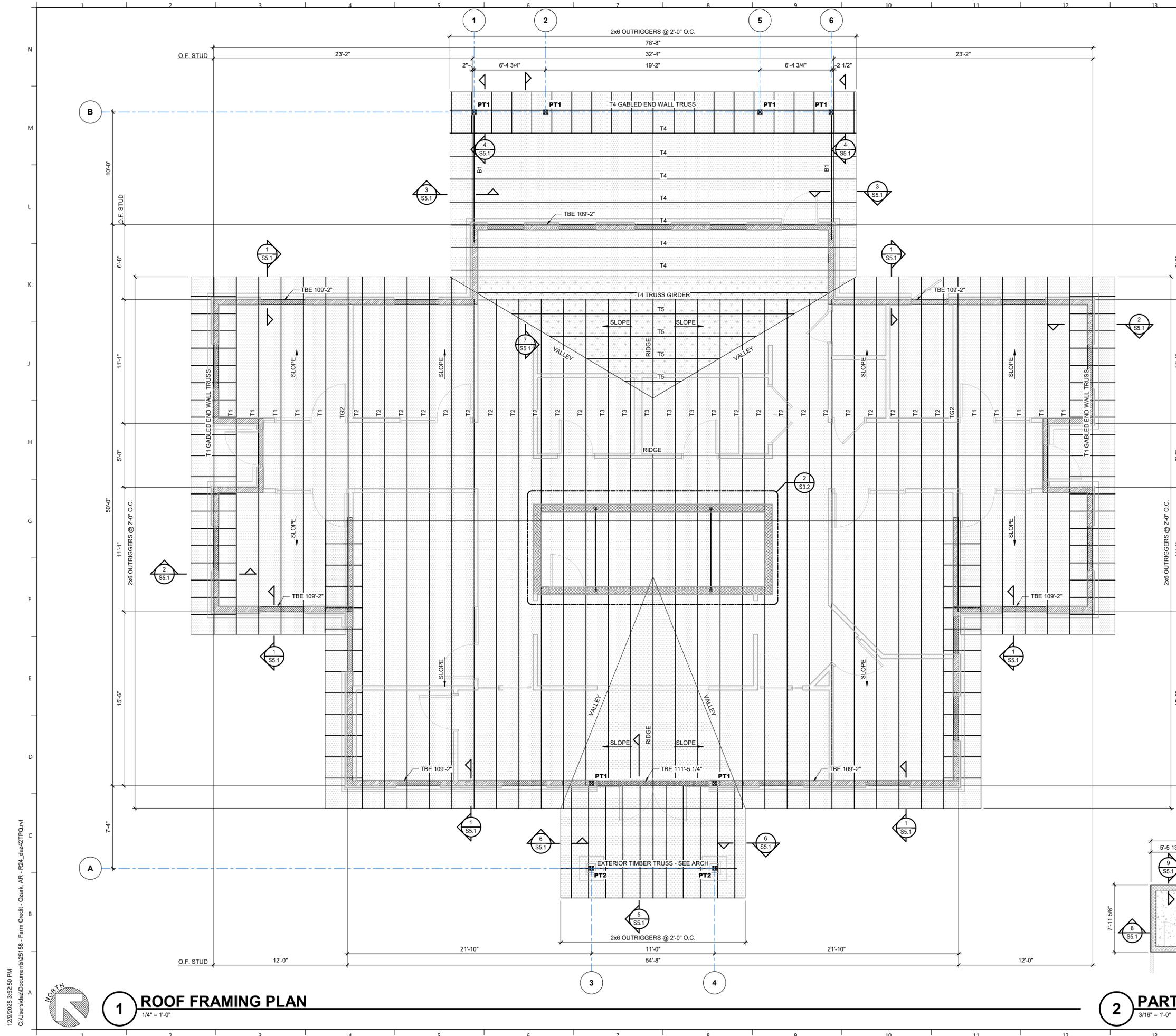
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FIRST LEVEL LINTEL, BRACING & MASONRY PLAN AREAS
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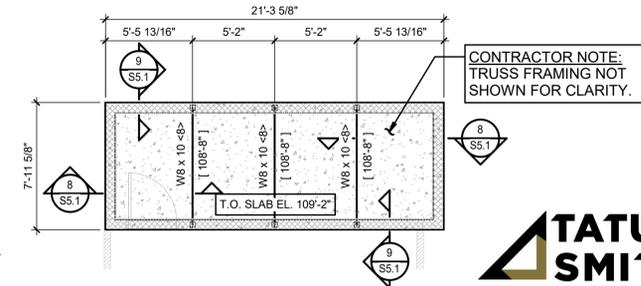
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- LEGEND (ALL PLANS):**
- PT1 — DENOTES 6 x 6 SOUTHERN PINE NO. 2 TIMBER POST
 - PT2 — DENOTES 10 x 10 SOUTHERN PINE NO. 2 TIMBER POST
 - O.F. — DENOTES OUTSIDE FACE
 - TBE — DENOTES TRUSS BEARING ELEVATION
 - [108'-8"] — DENOTES TOP OF BEAM ELEVATION
 - [109'-2"] — DENOTES TOP OF SLAB EL.
 - <45> — DENOTES NUMBER OF H.S.A.'s WELDED TO BEAM TOP FLANGE (SEE COMPOSITE BEAM GENERAL NOTE #1)
 - DENOTES BEAM BEARING PLATE (SEE BEARING PL. SCHED. ON S1.2)
 - B1 — DENOTES (3) 2 x 14 BEAM
 - SLOPE — DENOTES DIRECTION OF ROOF SLOPE (COORD. PITCH W/ ARCH.)
 - ▨ — DENOTES LOAD-BEARING CMU WALL
 - ▨ — DENOTES LIMITS OF ROOF SHEATHING (SEE PLAN NOTES)
 - ▨ — DENOTES LIMITS OF TRUSS OVERFRAMING (SEE PLAN NOTES)
 - ▨ — DENOTES LIMITS OF 6" CONC. SLAB & DECK (SEE PLAN NOTES)
- PLAN NOTES:**
- UNBLOCKED DIAPHRAGM: 5/8" APA RATED (40/20) PLYWOOD SHEATHING W/ EXPOSURE I CLASSIFICATION. ATTACH SHEATHING TO TRUSSES/RAFTERS W/ 10d COMMON NAILS @ 6" O.C. ALONG PANEL EDGES AND 12" O.C. AT INTERMEDIATE FRAMING. PROVIDE SHEATHING CLIPS BETWEEN TRUSSES/RAFTERS.
 - ELEVATED CONCRETE CAP CONSTRUCTION: 6" NORMAL WEIGHT CONCRETE SLAB REINFORCED W/ #4 @ 12" O.C. ON 1 1/2" DEEP, 22 GAUGE GALVANIZED COMPOSITE DECK. PLACE REINFORCING 1 1/2" CLEAR FROM TOP OF SLAB. (SEE STEEL DECK GENERAL NOTES FOR ATTACHMENT REQUIREMENTS.)
 - OVERFRAMING SHALL UTILIZE ENGINEERED ROOF TRUSSES. STOCK FRAMING SHALL NOT BE PERMITTED. OVERFRAMING TRUSSES SHALL NOT INTERRUPT MAIN ROOF SHEATHING.
 - ALL ELEVATIONS GIVEN ARE BASED ON FINISHED FLOOR ELEVATION 100'-0". COORDINATE ACTUAL FINISH FLOOR EL. W/ CIVIL.
 - SEE ARCH. DWGS. & FOUNDATION PLAN FOR DIMENSIONS NOT SHOWN.
 - ALL TRUSSES TO BE SPACED @ 24" O.C. MAX. FIELD ADJUST AS REQD.
 - SEE DWG. S1.2 FOR GENERAL NOTES & TYP. DETAILS.
 - SEE DWG. S3.0 FOR LINTEL PLANS AND DETAILS.
 - ELEVATED CONCRETE CAP HAS NOT BEEN DESIGNED FOR OCCUPANCY LIVE LOADING OR STORAGE.
- TRUSS SUPPLIER NOTES:**
- TRUSS MANUFACTURER SHALL DESIGN ALL PERMANENT AND TEMPORARY HORIZONTAL, DIAGONAL AND X-BRACING REQUIRED FOR WOOD TRUSS STABILITY.
 - ALL TRUSSES SHALL BE BRACED WITH HORIZONTAL, DIAGONAL AND X-BRACING AS SHOWN ON THE WOOD TRUSS MANUFACTURERS DRAWINGS.
- NOTE:**
SEAL ALL VOIDS AT CAP PENETRATIONS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.



1 ROOF FRAMING PLAN
1/4" = 1'-0"

2 PARTIAL FRAMING PLAN
3/16" = 1'-0"



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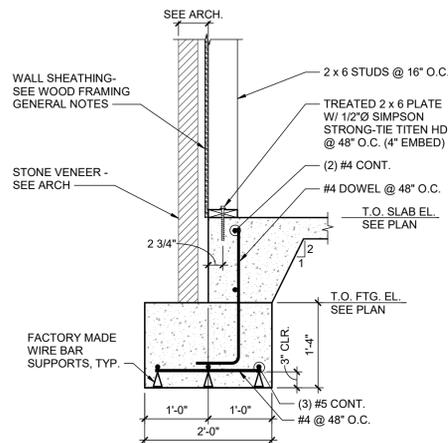
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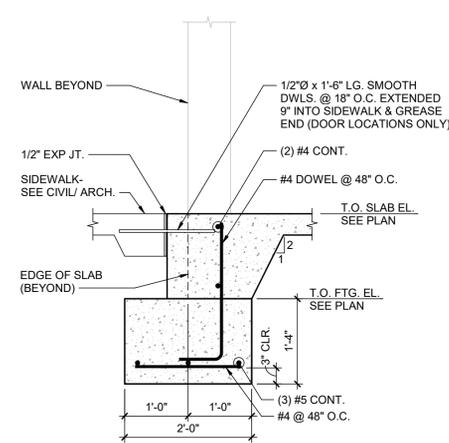
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ROOF FRAMING PLAN
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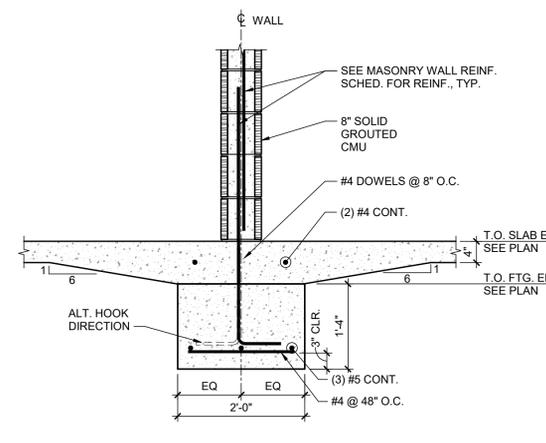
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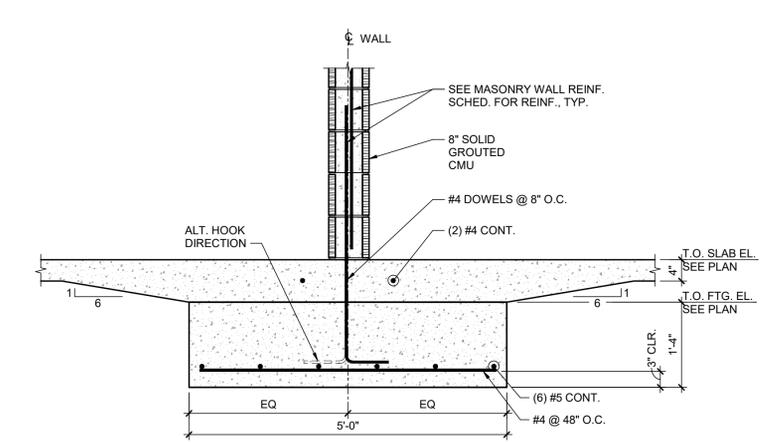
1 SECTION
3/4" = 1'-0"



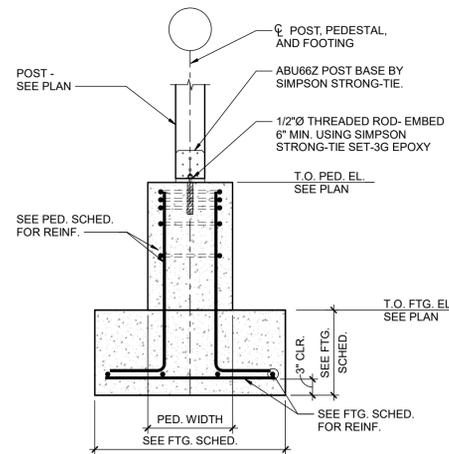
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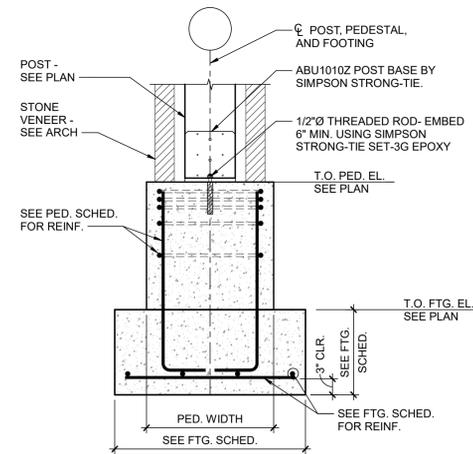
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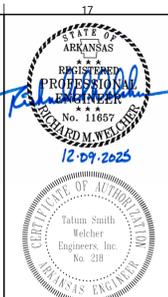
4 SECTION
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"



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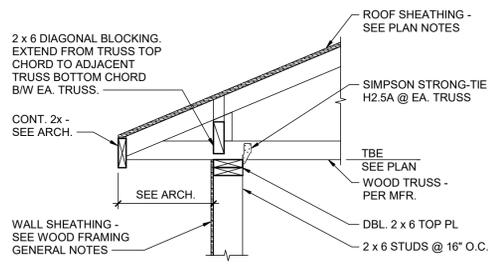
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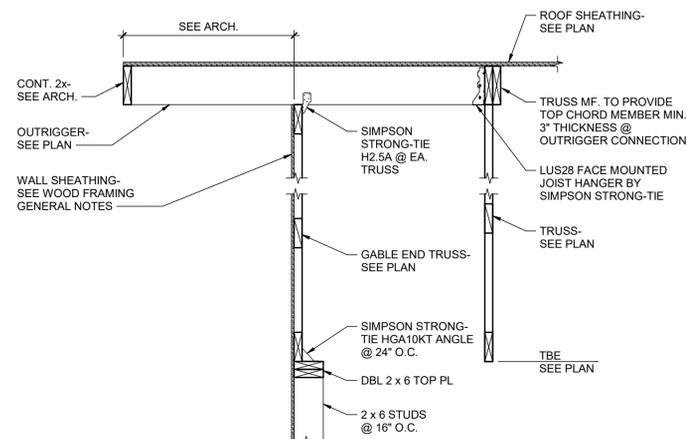


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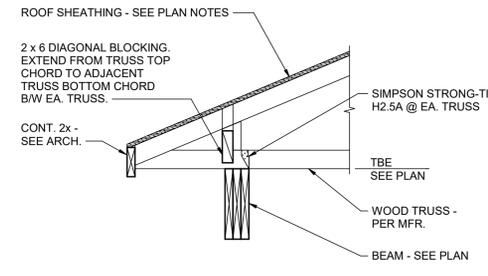
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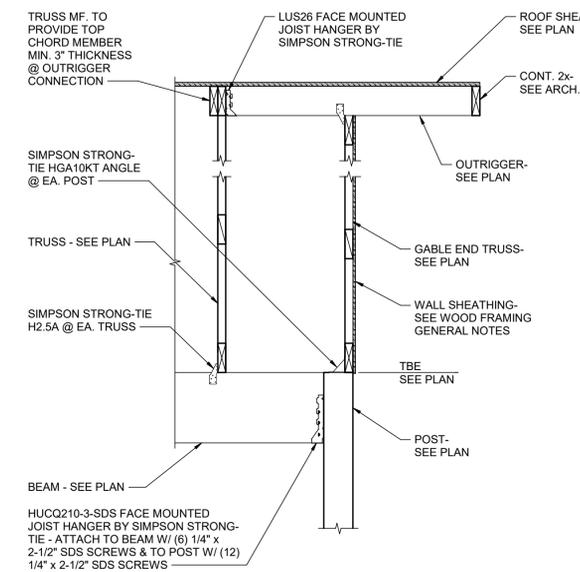
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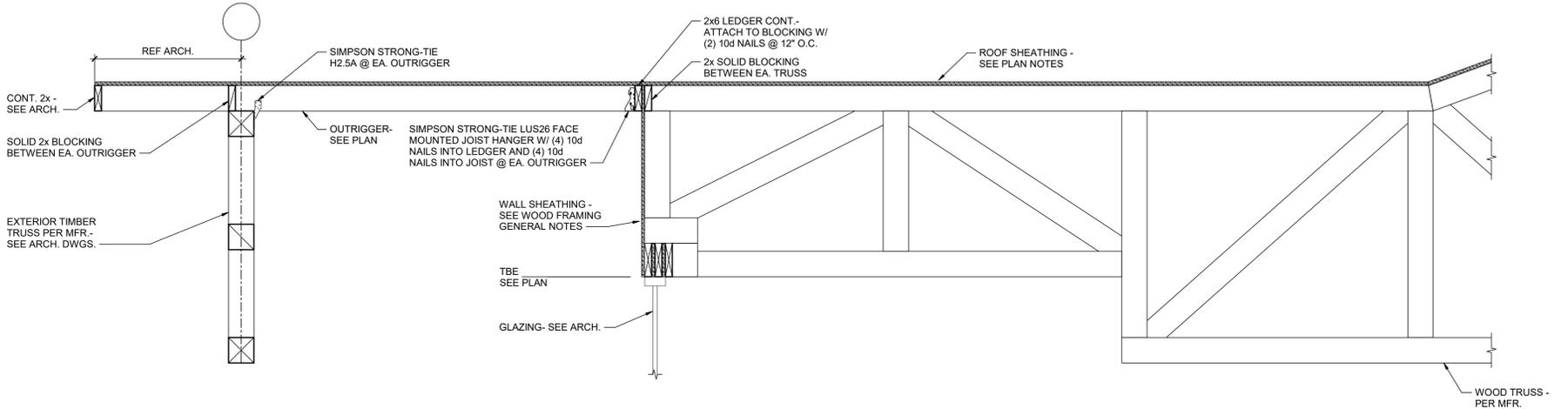
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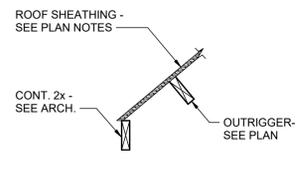
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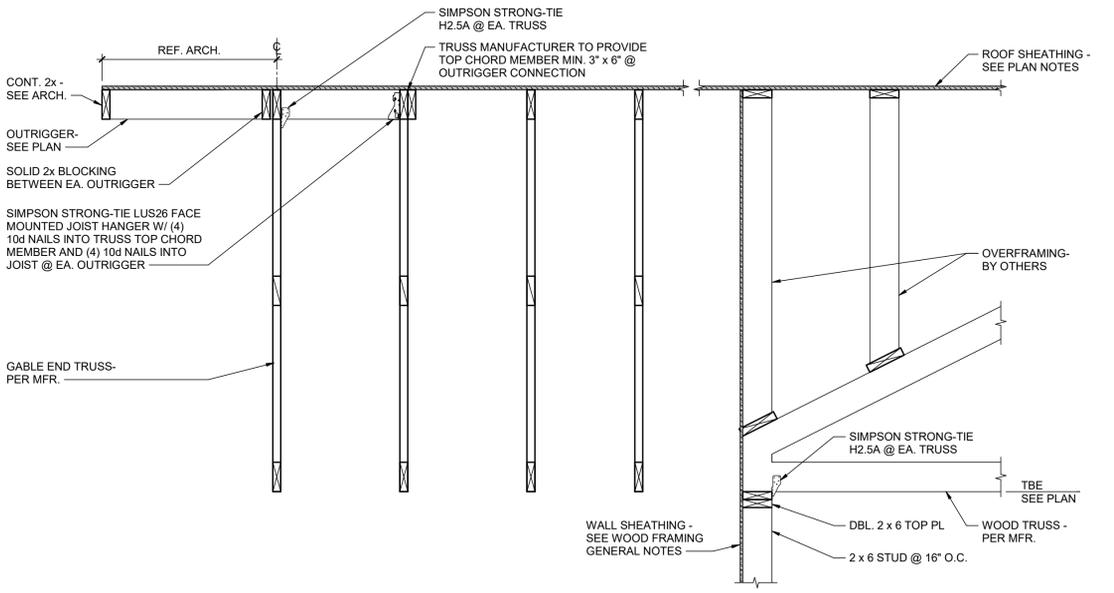
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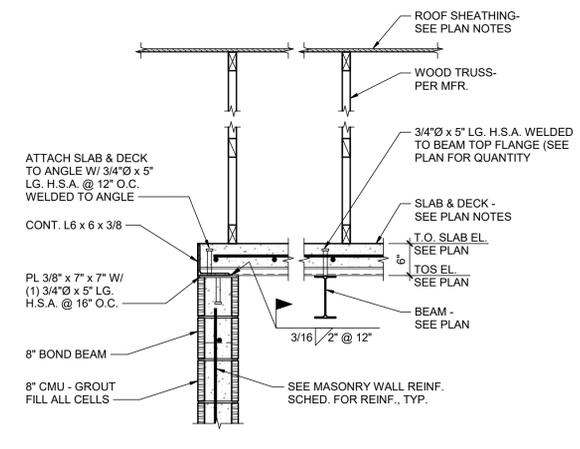
6 SECTION
3/4" = 1'-0"



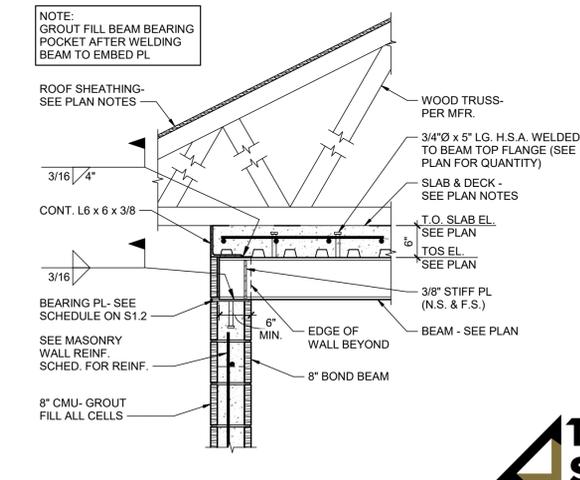
7 SECTION
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"



9 SECTION
3/4" = 1'-0"



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GENERAL HVAC NOTES

- COORDINATE GRILLE LOCATIONS WITH LIGHT FIXTURES AND CEILING GRID.
- INDICATED DUCT SIZES ARE NET FREE AREA.
- ADJUST ALL AIR QUANTITIES AS SHOWN ON THE PLANS AFTER COMPLETION OF THE JOB.
- INSULATE THE SUPPLY GRILLE TOPS, RETURN AIR GRILLE PLENUMS AND EXHAUST AIR PLENUMS WITH 2 IN., 3/4 LB DENSITY FOIL BACKED INSULATION.
- FIRE AND/OR SMOKE DAMPERS ARE INDICATED ON MECHANICAL DRAWINGS. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY LOCATIONS AND FIRE RATING REQUIREMENTS WHERE ANY DUCT PASSES THROUGH A PARTITION. REFER TO ARCHITECTURAL PLANS FOR LOCATION OF ALL FIRE AND SMOKE PARTITIONS. VERIFY REQUIRED DAMPER ASSEMBLY IN ALL DUCTS PENETRATING THESE WALLS PER ALL STATE AND LOCAL CODES.
- EXTERNALLY INSULATE ALL ROUND SUPPLY AND RETURN DUCT. INTERNALLY INSULATE ALL RECTANGULAR SUPPLY AND RETURN DUCT PER MECHANICAL CODE. ATTACH THE INTERNAL INSULATION TO THE DUCT WITH APPROVED ADHESIVE AND WELDED FASTENERS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK WITH FIELD CONDITIONS AND PROVIDE ALL OFFSETS, BENDS, TRANSITIONS AND SPECIAL FITTINGS FOR A COMPLETE INSTALLATION OF THE SYSTEMS.
- INTERIOR OF ALL DUCT PLENUMS VISIBLE THROUGH GRILLE SHALL BE PAINTED MATTE BLACK PRIOR TO INSTALLATION.
- INTERLOCK EXHAUST FANS WITH LIGHT SWITCHES. REFER TO ELECTRICAL PLANS.
- PAINT ALL SUPPLY AND RETURN AIR GRILLES NOT SPECIFIED AS PRE-FINISHED, TO ARCHITECT'S SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
- MAINTAIN 10 FT. MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKES AND ALL EXHAUST OUTLETS, GAS FLUES AND PLUMBING VENTS.
- INSTALL VOLUME CONTROL DAMPERS IN SUPPLY, RETURN, EXHAUST AND FRESH AIR BRANCH DUCT RUNS.
- REGULATING AIR SYSTEMS WITH A FAN CAPACITY GREATER THAN 2,000 NOMINAL CFM SHALL AUTOMATICALLY SHUT DOWN BY MEANS OF AN APPROVED SMOKE DETECTOR PLACED IN THE RETURN AIR STREAM PRIOR TO ANY EXHAUSTING FROM THE BUILDING OR MIXING WITH FRESH AIR MAKEUP. ALL CONTROLS SHALL BE LISTED. UPON ACTIVATION OF THE SAFETY CONTROL, THE SYSTEM SHALL NOT RESTART UNTIL THE SAFETY CONTROL IS MANUALLY RESET.
- ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE 2021 ARKANSAS MECHANICAL CODE.
- SEAL ALL DUCT SEAMS WITH HARDCAST IRON GRIP 601 SEALANT SYSTEM OR AN APPROVED EQUAL DUCT TAPE, WHETHER LISTED OR NOT, WILL NOT BE ACCEPTED.
- FABRICATE AND INSTALL ALL GALVANIZED DUCT SYSTEMS TO SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION, AND 2021 ARKANSAS MECHANICAL CODE.
- FABRICATE AND INSTALL AUXILIARY CONDENSATE DRAIN PAN UNDER ENTIRE AIR HANDLER WITH CONDENSATE PAN SWITCH INTERLOCKED WITH AIR HANDLER FOR SHUT DOWN WHEN CONDENSATE OVER FLOW IS SENSED.
- EVERY ATTIC OR FURRED SPACE IN WHICH MECHANICAL EQUIPMENT IS INSTALLED SHALL BE ACCESSIBLE BY AN OPENING AND PASSAGEWAY AS LARGE AS THE LARGEST PIECE OF THE EQUIPMENT AND IN NO CASE LESS THAN 22 X 36 INCHES CONTINUOUS FROM THE OPENING TO THE EQUIPMENT AND ITS CONTROLS. THE OPENING TO THE PASSAGEWAY SHALL BE LOCATED NOT MORE THAN 20 FT. FROM THE EQUIPMENT MEASURED ALONG THE CENTERLINE OF SUCH PASSAGEWAY. EVERY PASSAGEWAY SHALL BE UNOBSTRUCTED AND SHALL HAVE SOLID CONTINUOUS FLOORING NOT LESS THAN 24 IN. WIDE FROM THE EQUIPMENT, ON THE CONTROL SIDE AND OTHER SIDES WHERE ACCESS IS NECESSARY FOR SERVICING THE EQUIPMENT. A LEVEL PLATFORM EXTENDING A MINIMUM 30 IN. FROM THE EDGE OF THE EQUIPMENT WITH A 36 IN. HIGH CLEAR WORKING SPACE SHALL BE PROVIDED. TOP OR BOTTOM SERVICE EQUIPMENT SHALL HAVE A FULL CLEARANCE ABOVE OR BELOW THE UNIT FOR COMPONENT REMOVAL.
- SUPPLY AIR SYSTEMS AND RETURN AIR SYSTEMS INSTALLED IN AN ATTIC, VENTILATED CRAWL SPACE OR OTHER NON-CONDITIONED AREA SHALL BE INSULATED.
- DO NOT SCALE DIRECTLY FROM THE HVAC DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.

HVAC KEYED NOTES

- ROUTE DUCTWORK THROUGH WEBBING OF ROOF TRUSS.
- MAINTAIN A MINIMUM OF 10 FT. CLEARANCE BETWEEN ALL EXHAUST OUTLETS, FLUES, PLUMBING VENTS AND ANY FRESH AIR INTAKES. IF 10 FT. CLEARANCE CAN NOT BE MAINTAINED EXHAUST OUTLET, FLUE, OR VENT MUST TERMINATE AT A POINT AT LEAST 36 IN. ABOVE HIGHEST FRESH AIR INTAKE WITHIN 10 FT. LIMIT.
- LOCATE THERMOSTAT AS INDICATED WITH THE CENTER OF THE THERMOSTAT AT 48 IN. ABOVE FINISHED FLOOR. SEAL ALL THERMOSTAT CONDUITS AT TOP AND BOTTOM OF CONDUIT. PROVIDE INSULATED BACKING FOR MOUNTING THERMOSTATS.
- ROUTE DUCTWORK BETWEEN BUILDING TRUSSES.
- ROUTE SUPPLY DUCTS FOR 119 WORK ROOM AS HIGH AS POSSIBLE OVER WORKROOM AREA AND ROUTE VERTICALLY DOWN TO TOP OF SUPPLY GRILLE LOCATION. MAXIMUM SERVICE CLEARANCE AREA TO UNITS MUST BE MAINTAINED.
- ATTIC ACCESS DOOR LOCATED HERE.
- MOUNT BOTTOM OF EXHAUST LOUVER T-T" A.F.F.

MECHANICAL LEGEND

- SUPPLY DUCT SECTION
- RETURN OR EXHAUST DUCT SECTION
- CEILING SUPPLY GRILLE
- CEILING RETURN GRILLE
- CEILING EXHAUST GRILLE
- SIDEWALL SUPPLY OR RETURN GRILLE
- SEE KEYED NOTES
- SUPPLY, RETURN, OSA OR EXHAUST DUCT
- VOLUME DAMPER
- FLEX DUCT CONNECTION MAXIMUM OF 5 FT.
- THERMOSTAT, MOUNT AT 48" A.F.F. TO TOP (NUMBER DENOTES FURNACE OR AIR HANDLER UNIT)

FURNACE SCHEDULE

MARK	MFG.	MODEL	ESP IN. / WC	CFM	HEATING			OUTSIDE AIR (CFM)	FAN MOTOR HP	VOLT/PH/HZ	REMARKS / ACCESSORIES
					INPUT (MBH)	OUTPUT (MBH)	FUEL TYPE				
F-1	RHEEM	R46TA0852521MSA	0.6	2000	84.0	82.0	GAS	200	1	115 / 1 / 60	1, 2, 3, 4, 5, 6, 7, 8, 9, 11
F-2	RHEEM	R46TA0702521MSA	0.6	1400	70.0	68.0	GAS	190	1	115 / 1 / 60	1, 2, 3, 4, 5, 6, 7, 8, 11

REMARKS/ACCESSORIES

- 48" MIN. AFUE UPFLOW GAS FURNACE.
- ELECTRONIC SPARK IGNITION.
- PROVIDE FACTORY VERTICAL CONCENTRIC VENT TERMINATION KITS REFER TO 10/M3.1 FOR DETAIL.
- 10 YEAR MIN. NON-FRORATED HEAT EXCHANGER.
- HORIZONTAL FURNACE.
- PROVIDE 2" FARR 30/30 FILTERS.
- PROVIDE FILTER HOUSING EQUAL TO MCDANIEL METALS "ACCOMMODATOR" FILTER HOUSING. HOUSING MUST ACCEPT UP TO 2 INCH FILTER.
- PROVIDE 1 INDIVIDUAL DAY PROGRAMMABLE WIFI THERMOSTAT.
- PROVIDE RCFY60245TANMG MULTI-POSITION CASED "A" TYPE COIL WITH TXV REFRIGERANT CONTROL.
- PROVIDE RCFY42215TANMG MULTI-POSITION CASED "A" TYPE COIL WITH TXV REFRIGERANT CONTROL.
- 5 TON FURNACE AND COIL WIDTH SHALL NOT EXCEED 21" IN WIDTH TO FIT THROUGH ATTIC SERVICE ACCESS OPENING.

CONDENSER SCHEDULE

MARK	MFG.	MODEL	TMBH	SMBH	MCA	MOP	VOLT/PH/HZ	REMARKS / ACCESSORIES
CU-1	RHEEM	RA14AY60AJ1NA	60.0	43.8	31	30	230 / 1 / 60	1 THRU 6
CU-2	RHEEM	RA14AY42AJ1NA	43.7	33.3	20	30	230 / 1 / 60	1 THRU 6

REMARKS/ACCESSORIES

- MINIMUM 14.3 SEER2 CONDENSER.
- PROVIDE LOW AMBIENT TO 0° F CONTROL WITH TXV AND CRANK CASE HEATERS.
- PROVIDE LIQUID LINE FILTER DRYER.
- PROVIDE FACTORY HAIL GUARD.
- SIZE AND INSTALL REFRIGERANT LINES PER MANUFACTURERS RECOMMENDATIONS.
- PROVIDE WITH R-32 or R-454B REFRIGERANT.

EXHAUST FAN SCHEDULE

MARK	MFG.	MODEL	CFM	ESP. IN. / WC	H.P./WATTS	VOLT/PH/HZ	SONE	RPM	REMARKS / ACCESSORIES
EF-1	COOK	6C-149	75	0.5	37 W	115 / 1 / 60	2	1075	1 THRU 5
EF-2	COOK	6C-149	75	0.5	37 W	115 / 1 / 60	2	1075	1 THRU 5
EF-3	COOK	6C-149	75	0.5	37 W	115 / 1 / 60	2	1075	1 THRU 5
EF-4	COOK	6C-149	75	0.5	37 W	115 / 1 / 60	2	1075	1 THRU 5
EF-5	FROLINE	FL-JN185	600	0.4	168 W	120 / 1 / 60	4	*	1, 6

REMARKS/ACCESSORIES

- PROVIDE FACTORY BACK DRAFT DAMPER.
- PROVIDE DIRECT DRIVE MOTOR WITH FAN SPEED CONTROLLER.
- INTERLOCK EXHAUST FAN WITH LIGHT SWITCH BY ELECTRICAL CONTRACTOR.
- PROVIDE FACTORY CEILING HUNG VIBRATION ISOLATORS.
- PROVIDE STANDARD GRILLE CONSTRUCTION.
- PROVIDE STAINLESS STEEL FINISH HOOD 30" WIDE.

LOUVER SCHEDULE

MARK	CFM	NECK SIZE	MFG.	MODEL	TYPE	FINISH	FRAME	ACCESSORIES
EL-1	225	12" X 12"	RUSKIN	ELF63TSDX	EXHAUST LOUVER	BAKED ENAMEL	FLANGED FRAME	1, 2, 3, 4
IL-1	380	20" X 12"	RUSKIN	ELF63TSDX	INTAKE LOUVER	BAKED ENAMEL	FLANGED FRAME	1, 2, 3, 4

REMARKS/ACCESSORIES

- ALUMINUM CONSTRUCTION.
- PROVIDE STEEL BIRD SCREEN.
- PROVIDE FACTORY SIGHT-PROOF, STATIONARY, DRAINABLE LOUVER.
- FINISH COLOR TO BE SELECTED BY ARCHITECT.

AIR DISTRIBUTION SCHEDULE

MARK	CFM	NECK SIZE	MFG.	MODEL	TYPE	FINISH	FRAME	REMARKS/ ACCESSORIES
A	50	12" X 6"	TITUS	212RL	SUPPLY	WHITE	SURFACE	1, 2, 3, 4
B	125-200	12" X 6"	TITUS	211RL	SUPPLY	WHITE	SURFACE	1, 2, 3, 4
C	125-200	12" X 12"	TITUS	355RL	RETURN	WHITE	SURFACE	1, 3, 4
D	200-800	14" X 14"	TITUS	355RL	RETURN	WHITE	SURFACE	1, 3, 4

REMARKS/ACCESSORIES

- STEEL CONSTRUCTION.
- PROVIDE OPPOSED BLADE DAMPER.
- PROVIDE WITH COUNTERSUNK SCREEN HOLES.
- PROVIDE SQUARE TO ROUND GRILLE CONNECTION WHERE REQUIRED.

AIR CONDITIONER SCHEDULE

MARK	MFG.	UNIT MODEL NUMBERS		MOUNTING STYLE	TON(S)	CFM (LO-M1-M2-HI)	COOLING		UNIT WEIGHTS		ELECTRICAL (SINGLE POINT CONNECTION)			ACCESSORIES
		OUTDOOR	INDOOR				TMBH	SMBH	OUTDOOR	INDOOR	M.C.A.	M.O.P.	VOLT / PH / HZ	
AC-1	MITSUBISHI	MUY-6X18NL	MSY-6X18NL	WALL	1.5	324-454-650	22.0	18.0	135	45	23	25	230 / 1 / 60	1 THRU 6

REMARKS/ACCESSORIES

- PROVIDE WIRELESS REMOTE UNIT.
- PROVIDE FACTORY WALL MOUNTING HARDWARE. INSTALL 8'-0" A.F.F. IN LOCATION INDICATED ON PLAN.
- PROVIDE WITH LOW AMBIENT KIT.
- PROVIDE HAIL GUARD.
- PROVIDE R-454B REFRIGERANT.

NOTES:

- REFER TO SHEET M1.1 FOR GENERAL HVAC NOTES, KEYED NOTES, LEGEND AND SCHEDULES.
REFER TO SHEET M2.1 FOR HVAC FLOOR PLAN.
REFER TO SHEET M3.1 FOR HVAC DETAILS.



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FARM CREDIT OF WESTERN ARKANSAS
Ozark Office
Ozark, Arkansas

DRAWN BY: **BMH**
CHECK BY: **NEW**
ISSUE DATE: **12/09/2025**

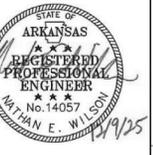
PROJECT NO: **2529**

REVISION DATES

HVAC NOTES & LEGEND

SHEET
M1.1

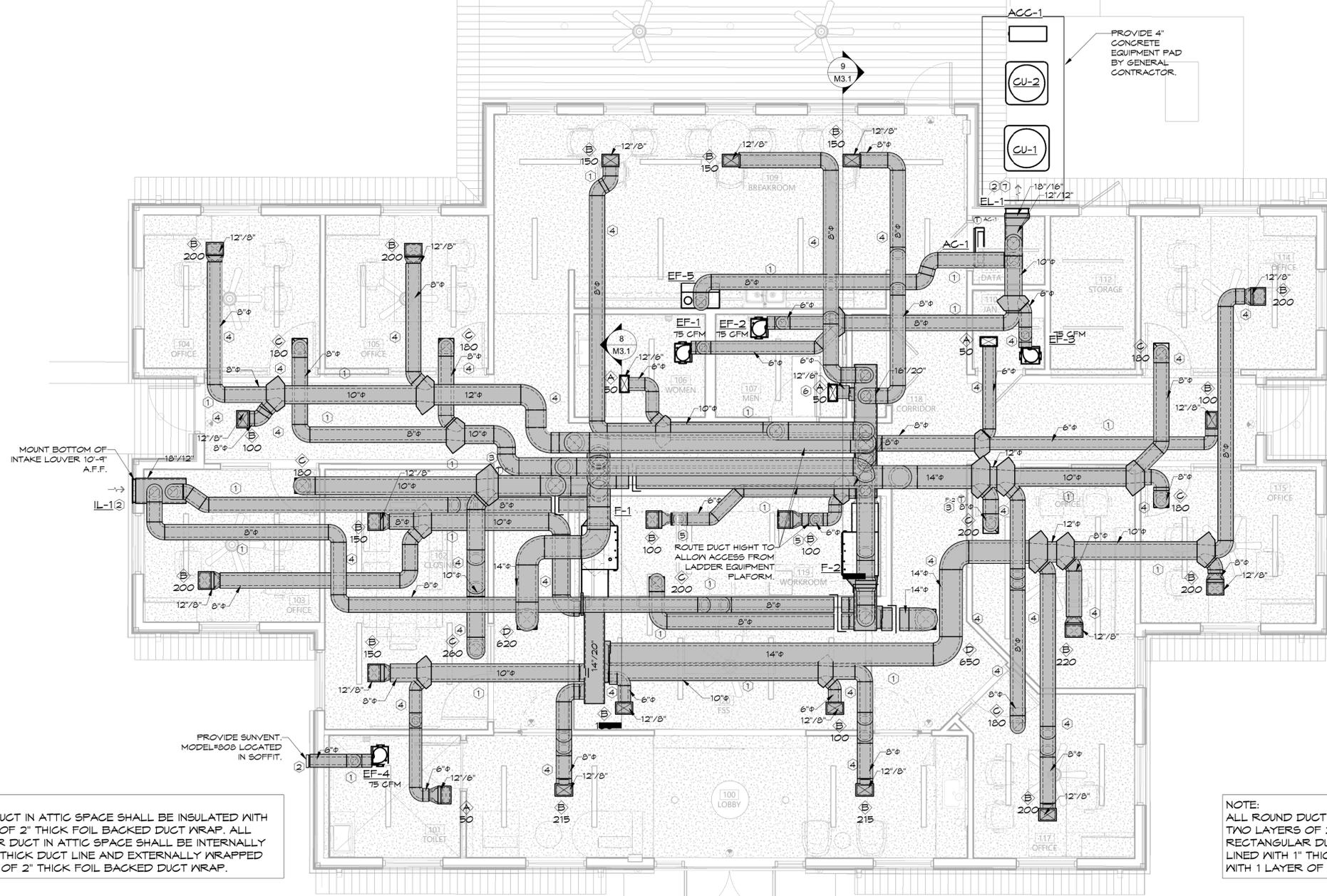
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NOTE:
ALL ROUND DUCT IN ATTIC SPACE SHALL BE INSULATED WITH TWO LAYERS OF 2" THICK FOIL BACKED DUCT WRAP. ALL RECTANGULAR DUCT IN ATTIC SPACE SHALL BE INTERNALLY LINED WITH 1" THICK DUCT LINE AND EXTERNALLY WRAPPED WITH 1 LAYER OF 2" THICK FOIL BACKED DUCT WRAP.

NOTE:
ALL ROUND DUCT IN ATTIC SPACE SHALL BE INSULATED WITH TWO LAYERS OF 2" THICK FOIL BACKED DUCT WRAP. ALL RECTANGULAR DUCT IN ATTIC SPACE SHALL BE INTERNALLY LINED WITH 1" THICK DUCT LINE AND EXTERNALLY WRAPPED WITH 1 LAYER OF 2" THICK FOIL BACKED DUCT WRAP.

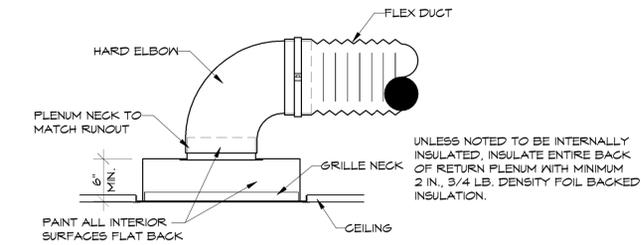
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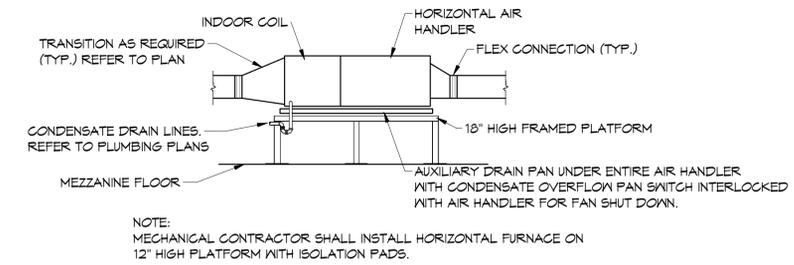
1 FIRST FLOOR HVAC PLAN
1/4" = 1'-0"



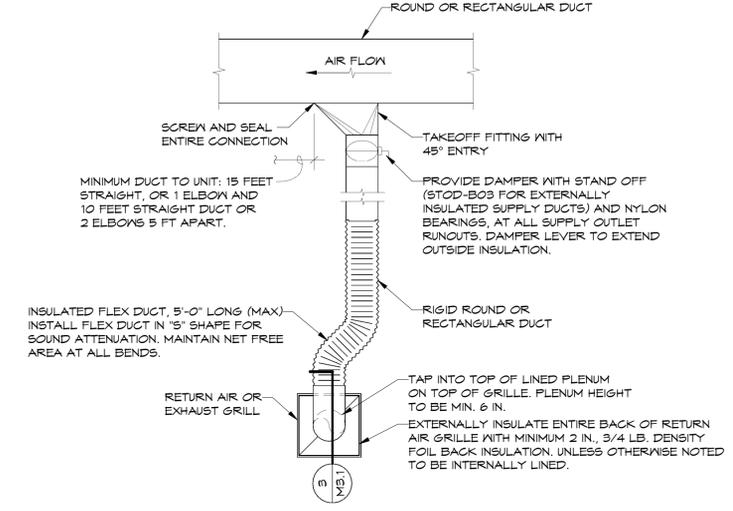
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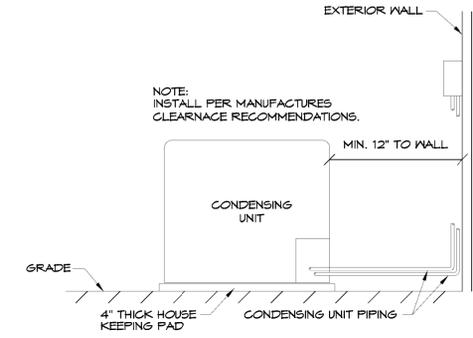
3 RETURN GRILLE CONNECTION SECTION
N.T.S.



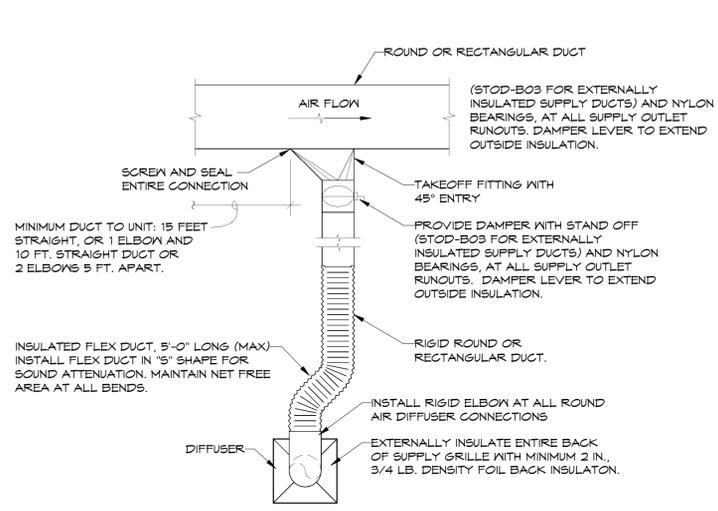
6 HORIZONTAL FURNACE DETAIL
N.T.S.



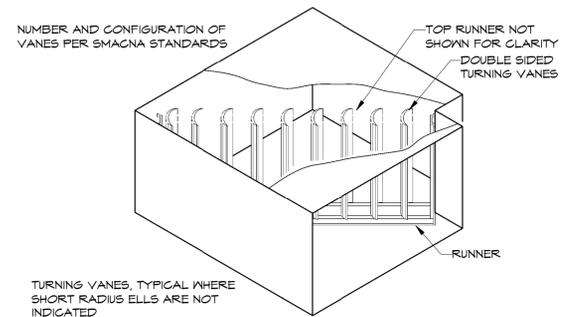
2 RETURN DUCT CONNECTION DETAIL
N.T.S.



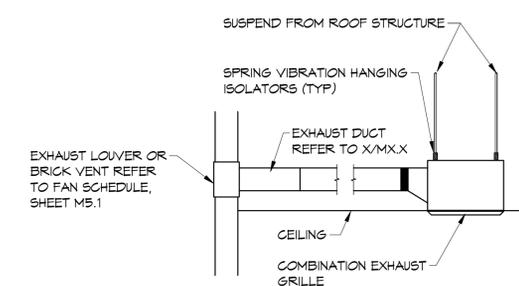
5 CONDENSING UNIT DETAIL
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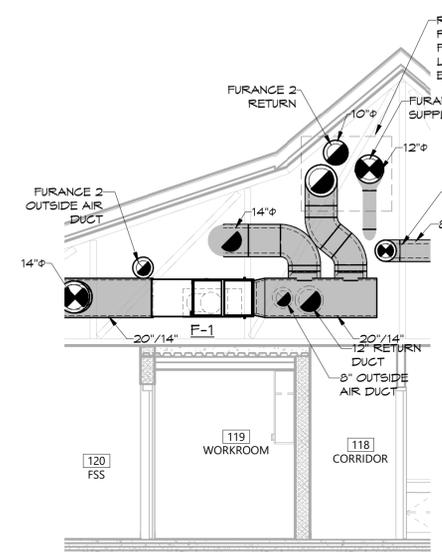
1 SUPPLY DUCT CONNECTION DETAIL
N.T.S.



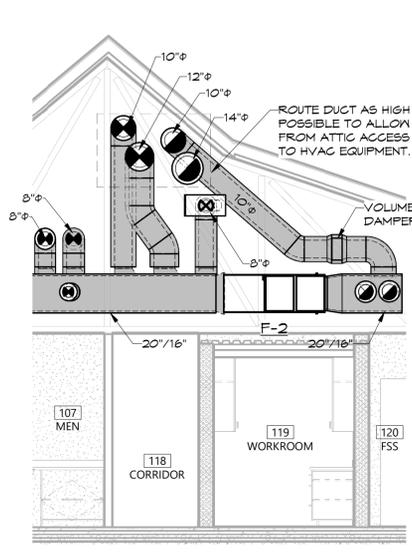
4 TURNING VANE DETAIL
N.T.S.



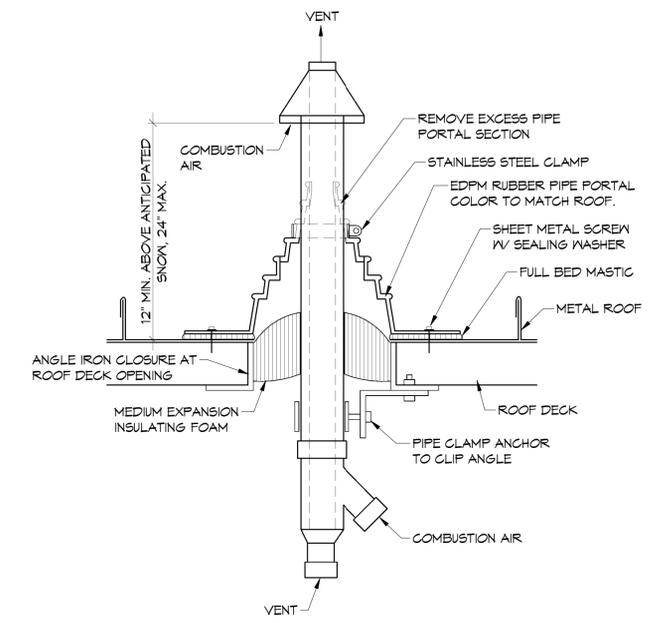
7 CEILING MOUNT EXHAUST WITH LOUVER
N.T.S.



8 FURNACE 1 SECTION
N.T.S.



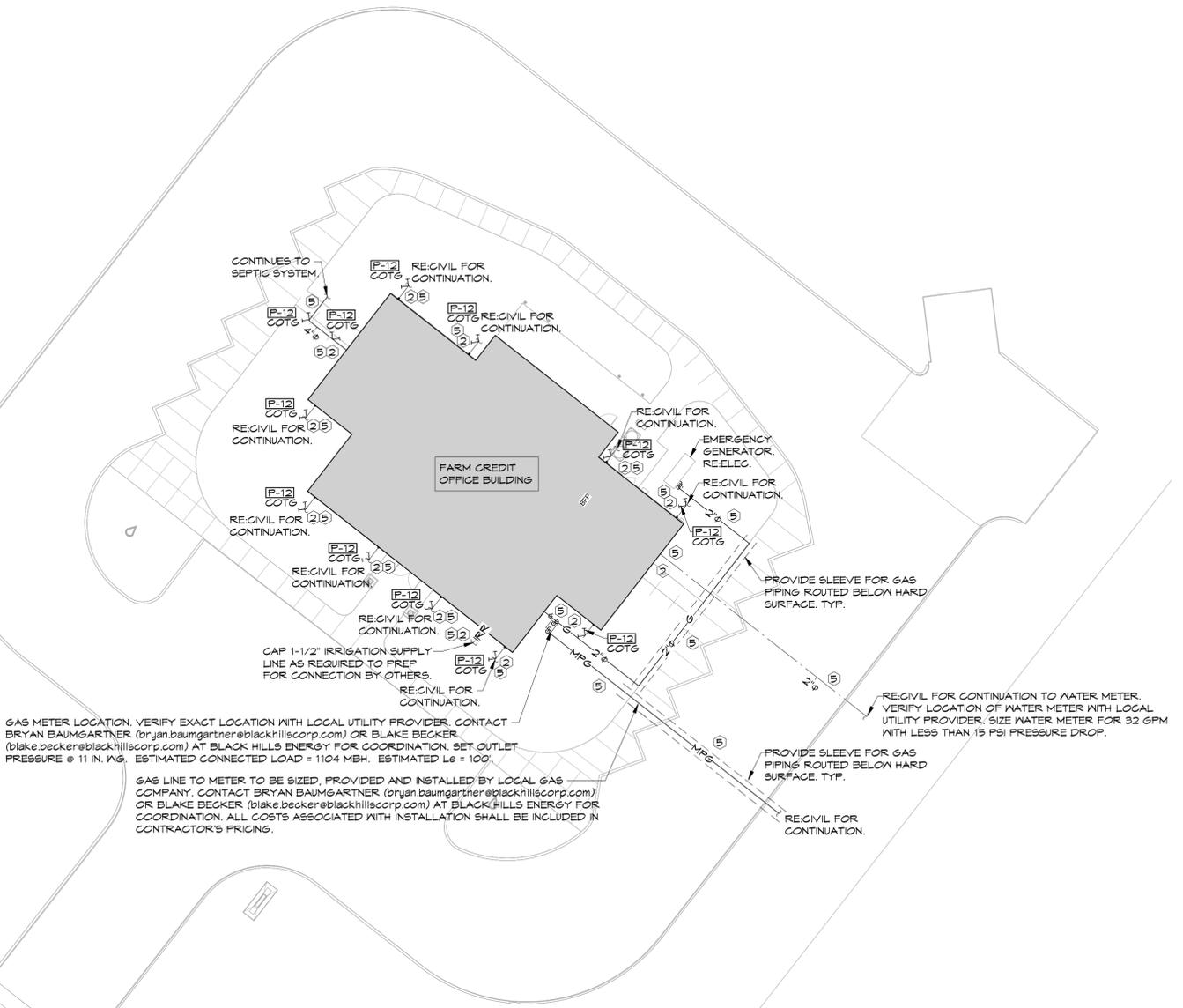
9 FURNACE 2 SECTION
N.T.S.



10 VENT CONCENTRIC STANDING SEAM
N.T.S.

NOTES:
REFER TO SHEET M1.1 FOR GENERAL HVAC NOTES, KEYED NOTES, LEGEND AND SCHEDULES.
REFER TO SHEET M2.1 FOR HVAC FLOOR PLAN.
REFER TO SHEET M3.1 FOR HVAC DETAILS.

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GAS METER LOCATION. VERIFY EXACT LOCATION WITH LOCAL UTILITY PROVIDER. CONTACT BRYAN BAUMGARTNER (bryan.baumgartner@blackhillscorp.com) OR BLAKE BECKER (blake.becker@blackhillscorp.com) AT BLACK HILLS ENERGY FOR COORDINATION. SET OUTLET PRESSURE @ 11 IN. WG. ESTIMATED CONNECTED LOAD = 1104 MBH. ESTIMATED Lc = 100.

GAS LINE TO METER TO BE SIZED, PROVIDED AND INSTALLED BY LOCAL GAS COMPANY. CONTACT BRYAN BAUMGARTNER (bryan.baumgartner@blackhillscorp.com) OR BLAKE BECKER (blake.becker@blackhillscorp.com) AT BLACK HILLS ENERGY FOR COORDINATION. ALL COSTS ASSOCIATED WITH INSTALLATION SHALL BE INCLUDED IN CONTRACTOR'S PRICING.

NOTES:
RE:P.1.1 FOR PLUMBING LEGEND, GENERAL AND KEYED NOTES, AND SCHEDULES. RE:P.2.1 FOR PLUMBING FLOOR PLAN. RE:P.3.1 FOR PLUMBING DETAILS.



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1 SITE UTILITY PLAN
1/16" = 1'-0"

GENERAL PLUMBING NOTES

- ALL PLUMBING MATERIALS AND INSTALLATION SHALL COMPLY WITH THE ARKANSAS STATE PLUMBING CODE, LATEST EDITION.
- INSTALL ALL DOMESTIC HOT AND COLD WATER PIPING AS PER STATE AND LOCAL CODES.
- INSULATE ABOVE GRADE CONCEALED DOMESTIC HOT AND COLD WATER LINES PER SPECIFICATIONS, SECTION 22 07 19.
- PROVIDE MAIN DOMESTIC COLD WATER LINE BUILDING SHUT OFF VALVE AT ENTRY INTO THE BUILDING. INSTALL IN FREEZE PROOF VAULT WITH ACCESS COVER.
- INSTALL DEEP SEAL TRAPS AT ALL DRAIN CONNECTIONS.
- COORDINATE UNDER SLAB PIPING WITH COLUMNS AND FOOTINGS. REFER TO STRUCTURAL DRAWINGS.
- MINIMUM DEPTH OF COVER FOR WATER LINES IS 30 IN.
- BURY YELLOW #10 THIN COPPER TRACER WIRE IN TRENCH WITH ALL UNDER GROUND PLASTIC SERVICES. LEAVE ENDS EXPOSED FOR FUTURE LOCATION.
- PROVIDE AND INSTALL 6 IN. DIRT LEG AND GAS STOP (BALL VALVE ONLY) AT ALL EQUIPMENT GAS CONNECTIONS. REFER TO DETAIL T/P3.1.
- MECHANICAL CONTRACTOR SHALL NOT INSTALL ANY WATER LINES ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL PLANS FOR PANEL LOCATIONS.
- IDENTIFY OUTDOOR UNDERGROUND LINES WITH CONTINUOUS STRIP OF PLASTIC UTILITY MARKER. TAPE SHOULD STATE AT REGULAR INTERVALS: "CAUTION (STATE UTILITY) PIPE BELOW". INSTALL TAPE ONE FOOT DIRECTLY ABOVE PIPE BEFORE BACKFILLING TO GRADE.
- MECHANICAL CONTRACTOR TO PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER (RPZ) AND PRESSURE REDUCING VALVE (IF REQUIRED) AT THE DOMESTIC WATER SERVICE ENTRANCE IN BUILDING. THERE SHALL BE NO WYES OR TEES PRIOR TO THE RPZ. PROVIDE MATTS MODEL LF909 OR APPROVED EQUAL RPZ. REFER TO 10/P3.1 FOR DETAIL.
- EXPOSED EXTERIOR PIPE AND ASSOCIATED ITEMS ON VENT-THRU-ROOF SHALL BE PAINTED PER ARCHITECT'S INSTRUCTIONS.
- HUB DRAIN LOCATED AT MEZZANINE LEVEL.
- COLD WATER PIPING HEADER IN WALL TO MATCH LARGEST PIPING SIZE ROUTED TO HEADER. PIPING TO INDIVIDUAL FIXTURE STUB-OUT SHALL MATCHING PIPING SIZE SHOWN IN PLUMBING FIXTURE SCHEDULE.
- WHERE FIRE RATED PARTITIONS OR FLOORS OCCUR, ALL FLOOR TO FLOOR AND ROOM TO ROOM PENETRATIONS SHALL BE PROPERLY FIRE SEALED WITH U.L. LISTED AND CLASSIFIED FIRE CAULK OR FIRE SEALED BY USING AN APPROVED FIRE SEAL SLEEVE METHOD WHICH MEETS U.L. REQUIREMENTS. ALL OTHER PENETRATIONS OF RATED CHASES OR WALLS SHALL BE PROPERLY FIRE SEALED AND WHERE EXTENDING THROUGH SUCH RATED SURFACE SHALL BE A RATED FIRE STOP PENETRATION. ALL FIRE STOPPING, FIRE CAULKING AND FIRE SLEEVING OR OTHER FIRE SEALING SHALL BE ACCEPTABLE BY THE LOCAL AUTHORITIES AND SHALL BEAR THE U.L. SEAL.
- INSTALL DOMESTIC WATER AND GAS LINES TIGHT AGAINST BUILDING ROOF STRUCTURE.
- VERIFY LOCATION, INVERT AND SIZE OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- PROVIDE CITY APPROVED REDUCED PRESSURE BACKFLOW PREVENTERS ON ALL DOMESTIC SERVICE LINES CONNECTED TO ALL DEVICES, APPURTENANCES, APPLIANCES AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION, SUCH AS STERILIZATION, DISTILLATION, PROCESSING, COOLING OR STORAGE OF FOODS OR ICE, WATER PUMPS, FILTERS, SOFTENERS, TANKS AND ALL OTHER APPLIANCES AND DEVICES THAT HANDLE OR TREAT POTABLE WATER SHALL BE PROTECTED AGAINST CONTAMINATION WITH SIMILAR BACKFLOW PREVENTER.
- ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE ARKANSAS STATE MECHANICAL CODE.
- ALL WATER AND SEWER LINE MATERIALS AND INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH THE CITY OF OZARK STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION AS WELL AS THE ARKANSAS STATE PLUMBING CODE.
- HORIZONTAL BRANCHES SHALL CONNECT TO HORIZONTAL STACK OFFSETS AND TO THE BASES OF STACKS AT A POINT LOCATED NOT LESS THAN 10 PIPE DIAMETERS DOWNSTREAM FROM THE STACK.
- CONTRACTOR SHALL PROVIDE "AS BUILT" DRAWINGS OF ALL PLUMBING AND PIPING SYSTEMS UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE DRAWINGS, THE BUILDING SITE, AND OTHER INFORMATION PRESENTED FOR THE CONSTRUCTION OF THIS PROJECT. IF CONTRACTOR HAS QUESTIONS REGARDING ASSEMBLIES OR LAYOUTS WITH THE PROJECT HE SHALL MAKE THEM KNOWN TO THE ENGINEER IN WRITING PRIOR TO BIDDING THE PROJECT. CLAIMS MADE SUBSEQUENT TO THE BID WILL NOT BE ACCEPTED IF IT IS ESTABLISHED THAT PROPER FAMILIARIZATION COULD HAVE AVOIDED SUCH CLAIM.
- MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION PLUMBING SITE UTILITIES WITH SITE WORK OF OTHER TRADES. IN INSTANCES WHERE COORDINATION REQUIRES DEVIATION FROM PLANS MECHANICAL CONTRACTOR SHALL NOTIFY ENGINEER OF PROPOSED CHANGES.
- COMPLY WITH STATE OF ARKANSAS ADOPTED ADA ACCESSIBLE GUIDELINES IN REGARD TO ACCESSIBLE FEATURES.
- PROVIDE DRIP PAN FOR ENTIRE LENGTH OF PIPE WHERE PIPE MUST BE INSTALLED ABOVE ELECTRICAL EQUIPMENT.
- DO NOT ROUTE GROUPS OF CONDUIT, PIPES, AND SLEEVES ABOVE FOOTINGS UNLESS NOTED TO DO SO. IF CONFLICT OCCURS, CONSULT ARCHITECT/ENGINEER.
- LIMIT WIDTH OF CONDUIT, PIPES AND SLEEVES NOT TO EXCEED 3 FEET IN WIDTH AS IT PASSES UNDER WALL FOOTINGS. AS MUCH AS POSSIBLE, ALIGN THE ITEMS PERPENDICULAR TO THE FOOTING AS IT PASSES BELOW FOOTING.
- PROVIDE A MINIMUM SPACING OF 2 FEET BETWEEN CONDUIT OR PIPE GROUPS AS ITEMS PASS UNDER FOOTINGS.
- DO NOT ROUTE CONDUITS, PIPE OR SLEEVES UNDER COLUMN FOOTINGS OR PAD FOOTINGS.
- MECHANICAL CONTRACTOR MUST REVIEW ALL ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES, ROOF, OVERFLOW AND FLOOR DRAINS. IF PLUMBING FIXTURES OR DRAINS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS THEY MUST BE INCLUDED IN THE CONTRACT EVEN IF NOT SHOWN ON THE MECHANICAL DRAWINGS.
- WHERE THE BUILDING SEWER IS INSTALLED WITHIN 10 FEET OF THE WATER SERVICE THE WATER SERVICE PIPE SHALL BE A MINIMUM OF 12 INCHES ABOVE THE TOP OF THE HIGHEST POINT OF THE SEWER. REQUIRED SEPARATION DISTANCE SHALL NOT APPLY WHERE A WATER SERVICE PIPE CROSSES A SEWER PIPE IS SLEEVED 10 FEET HORIZONTALLY FROM THE SEWER PIPE CENTERLINE ON BOTH SIDES OF SUCH PIPE CROSSINGS.
- DO NOT SCALE DIRECTLY FROM THE PLUMBING DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.
- ALL PLUMBING SANITARY WASTE AND VENT PIPING INSTALLED IN FIRE RATED WALLS OR FLOOR RETURN AIR SYSTEMS SHALL BE CAST IRON. REFER TO ARCHITECTURAL PLANS FOR LIFE SAFETY INFORMATION.

PLUMBING KEYED NOTES

- INSTALL AN APPROVED TRAP GUARD PRODUCT THAT CONFORMS TO NSF-14, CSA B602-99 AND CSA B719-94.
- COORDINATE UNDERSLAB PIPING WITH STRUCTURAL FOOTINGS. REFER TO STRUCTURAL PLANS FOR LOCATIONS AND SIZES OF FOOTINGS.
- PROVIDE AND INSTALL 6 INCH DIRT LEG AND GAS STOP (BALL VALVE ONLY) AT ALL EQUIPMENT GAS CONNECTIONS. REFER TO DETAIL T/P3.1.
- MECHANICAL CONTRACTOR SHALL NOT INSTALL ANY WATER LINES ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL PLANS FOR PANEL LOCATIONS.
- IDENTIFY OUTDOOR UNDERGROUND LINES WITH CONTINUOUS STRIP OF PLASTIC UTILITY MARKER. TAPE SHOULD STATE AT REGULAR INTERVALS: "CAUTION (STATE UTILITY) PIPE BELOW". INSTALL TAPE ONE FOOT DIRECTLY ABOVE PIPE BEFORE BACKFILLING TO GRADE.
- MECHANICAL CONTRACTOR TO PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER (RPZ) AND PRESSURE REDUCING VALVE (IF REQUIRED) AT THE DOMESTIC WATER SERVICE ENTRANCE IN BUILDING. THERE SHALL BE NO WYES OR TEES PRIOR TO THE RPZ. PROVIDE MATTS MODEL LF909 OR APPROVED EQUAL RPZ. REFER TO 10/P3.1 FOR DETAIL.
- EXPOSED EXTERIOR PIPE AND ASSOCIATED ITEMS ON VENT-THRU-ROOF SHALL BE PAINTED PER ARCHITECT'S INSTRUCTIONS.
- HUB DRAIN LOCATED AT MEZZANINE LEVEL.
- COLD WATER PIPING HEADER IN WALL TO MATCH LARGEST PIPING SIZE ROUTED TO HEADER. PIPING TO INDIVIDUAL FIXTURE STUB-OUT SHALL MATCHING PIPING SIZE SHOWN IN PLUMBING FIXTURE SCHEDULE.

PLUMBING LEGEND

	SANITARY WASTE PIPING
	EXISTING SANITARY WASTE PIPING
	VENT PIPING
	COLD WATER PIPING
	EXISTING COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	MEDIUM PRESSURE GAS PIPING (5 PSIG)
	LOW PRESSURE GAS PIPING (11 IN. W.C.)
	EXISTING LOW PRESSURE GAS PIPING
	CONDENSATE DRAIN PIPING
	ROOF DRAIN PIPING
	BALL VALVE
	CHECK VALVE
	GAS REGULATOR EQUAL TO SENSUS MODEL 243, INLET PRESSURE @ 5 PSI, SET OUTLET PRESSURE @ 11 IN. W.C.
	GAS BALL VALVE
	CONNECTION POINT
	REFER TO KEYED NOTES
	PLUMBING FIXTURE NUMBER (REFER TO PLUMBING FIXTURE SCHEDULE)
	CLEAN OUT TO GRADE
	FLOOR DRAIN
	FLOOR SINK
	FREEZE PROOF HOSE BIB
	ACCESSIBLE
	HUB DRAIN
	WALL CLEAN OUT
	WATER HEATER
	SANITARY SEWER

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER	MODEL	MOUNT	CONNECTION			REMARKS / ACCESSORIES
					CW	HW	SS	
P-1	ACCESSIBLE WATER CLOSET	AMERICAN STANDARD	3043.102	FLOOR	1-1/2	-	4	WHITE VITREOUS CHINA, LOW CONSUMPTION, ELONGATED BOWL, FLUSH VALVE TOILET. PROVIDE SLOAN MODEL SLOAN #111-DFB FLUSH VALVE, OLSONITE #10 SCG OPEN SEAT AND SLOAN YJ TYPE PIPE SUPPORT. PROVIDE BLOCKING IN WALL AS REQUIRED FOR INSTALLATION OF YJ PIPE SUPPORT. INSTALL 1" FROM TOP OF SEAT TO FLOOR.
P-2	ACCESSIBLE LAVATORY	KOHLER CO	K-2215	COUNTER	1/2	1/2	1-1/2	WHITE VITREOUS CHINA, UNDERMOUNT LAVATORY. PROVIDE KOHLER MODEL K-104L16-SANL 0.5 GPM BATTERY POWERED SENSOR FAUCET, KOHLER MODEL K-7125-A GRID DRAIN WITH OVERFLOW, HANDLAY MOLDED DRAIN AND SUPPLY INSULATION KIT. PROVIDE CURRENT MANUFACTURER'S CUT OUT TEMPLATES FOR BOTH LAVATORY AND FAUCET. MOUNT LAVATORY 34 IN. A.F.F. TO TOP OF RIM. PROVIDE MATTS LFUS6 THERMOSTATIC MIXING VALVE. SET WATER TEMPERATURE TO 105 DEGREES F.
P-3	ACCESSIBLE DOUBLE COMPARTMENT STAINLESS STEEL SINK	KOHLER CO	K-25440	COUNTER	1/2	1/2	2	DOUBLE COMPARTMENT STAINLESS STEEL SINK (16-9/16" x 14-9/16" x 5-1/2" I.D. EA.) WITH DRAINBOARD. PROVIDE KOHLER K-23765 FAUCET, AND ELKAY DELUXE LK99 DRAIN WITH CENTER REAR CONNECTION, AND MANUFACTURER'S STAINLESS STEEL BOTTOM GRID. PROVIDE WITH MANUFACTURER'S TEMPLATES FOR INSTALLATION AS REQUIRED. PROVIDE HAND-LAY MOLDED INSULATION KIT. PROVIDE MATTS LFUS6 THERMOSTATIC MIXING VALVE. SET WATER TEMPERATURE TO 105 DEGREES F.
P-4	GARBAGE DISPOSER	IN-SINK-ERATOR	BADGER 5	BELOW COUNTER	-	-	1-1/2	1/2 HP GARBAGE DISPOSAL. PROVIDE ELECTRICAL CORD.
P-5	DISHWASHER	OWNER PROVIDED	-	FLOOR	-	1/2	1-1/2	MECHANICAL CONTRACTOR TO PROVIDE ALL MATERIALS REQUIRED FOR FINAL CONNECTIONS.
P-6	ICE MAKER WALL BOX	GUY GRAY	BM875	WALL	1/2	-	-	WALL MOUNTED ICE MAKER HOOK UP WITH ANGLE VALVE.
P-7	SERVICE SINK	FIAT	T5B-100	FLOOR	3/4	3/4	3	TERRAZZO 24X24X12 SERVICE SINK. PROVIDE T45 BRASS B-0665-B5TP CHROME PLATED FAUCET WITH INTEGRAL SERVICE STOPS, ETERNA CARTRIDGES WITH SPRING CHECKS, TOP BRACE, AND B-0463 VACUUM BREAKER, FIAT #832-AA HOSE AND BRACKET, 3 IN. GRID DRAIN AND STRAINER, 3 MOP HOLDER, AND TWO STAINLESS STEEL WALL GUARDS. MOUNT MOP HOLDER AT 60 IN. A.F.F.
P-8	FLOOR DRAIN	MADE	1100	FLOOR	-	-	*	*CAST IRON FLOOR DRAIN, SIZE AS INDICATED ON PLANS OR MATCH INDICATED WASTE LINE. PROVIDE DEEP SEAL TRAP. COORDINATE DRAIN TOP MATERIAL WITH SPECIFIED FLOOR FINISH.
P-9	FLOOR SINK	MADE	9110	FLOOR	-	-	*	*CAST IRON FLOOR SINK WITH NICKEL BRONZE GRATE. SIZE AS INDICATED ON PLANS OR MATCH WASTE LINE SIZE WHEN NOT INDICATED. PROVIDE 3/4" GRATE AND DEEP SEAL TRAP.
P-10	WALL CLEAN OUT	MADE	8550-R	WALL	-	-	*	*SIZE TO MATCH WASTE LINE, MAXIMUM TO 4 INCHES. PROVIDE MADE 8304 STAINLESS STEEL WALL ACCESS COVER.
P-11	WATER HAMMER ARRESTOR	MADE BELLOWS	SHOKSTOP	ACCESSIBLE LOCATION	*	*	*	*SIZE WATER HAMMER ARRESTOR PER MANUFACTURER'S RECOMMENDATIONS. ALL STAINLESS STEEL CONSTRUCTION WITH WELDED NESTED BELLOWS. PROVIDE BALL VALVE FOR SHUT-OFF.
P-12	CLEAN OUT TO GRADE	MADE	6000Z	GRADE	-	-	*	*SIZE TO MATCH WASTE LINE MAXIMUM TO 4 INCHES. PROVIDE HEAVY DUTY TRACTOR TYPE COVER.
P-13	ACCESSIBLE SINGLE STAINLESS STEEL SINK	KOHLER CO.	K-25434-NA	COUNTER	1/2	1/2	2	SINGLE COMPARTMENT UNDERMOUNTED STAINLESS STEEL SINK (22.25 X 16-9/16 X 6 I.D.). PROVIDE KOHLER K-22068 FAUCET & KOHLER DUOSTRAINER DRAIN WITH BASKET STRAINER. PROVIDE CENTER REAR DRAIN CONNECTION LOCATION. MECHANICAL CONTRACTOR TO PROVIDE ALL MATERIALS REQUIRED FOR INSTALLATION. PROVIDE WITH HANDLAY PIPE INSULATION. PROVIDE MATTS LFUS6 THERMOSTATIC MIXING VALVE. SET WATER TEMPERATURE TO 105 DEGREES F. MOUNT 34 IN. A.F.F. TO TOP OF RIM. FIXTURE MUST BE ADA COMPLIANT.
P-14	FREEZE PROOF HOSE BIB	WOODFORD	B67	WALL	3/4	-	-	FREEZE PROOF HOSE BIB IN LOCKING BOX. PROVIDE VACUUM BREAKER AND BACKFLOW PREVENTION.
P-15	HUB DRAIN	-	PVC REDUCER	ACCESSIBLE LOCATION	-	-	2	PVC REDUCER WITH TRAP. PROVIDE TRAP GUARD PROTECTION. REDUCER SHALL BE WITHIN TWO PIPE SIZES OF CONNECTED SANITARY PIPING.
P-16	ELECTRIC WATER HEATER	A.O. SMITH	DEL-15	PLATFORM	1	1	-	ELECTRIC WATER HEATER, 15 GALLON TANK CAPACITY, 208V/ 1PH, 4000 WATTS, 20 GALLON RECOVER AT 80 DEGREES F TEMPERATURE RISE. SET WATER TEMPERATURE TO 115 DEGREES F. PROVIDE MANUFACTURER'S CATCH PAN AND SERVICE VALVE KIT. MOUNT WATER HEATER ON STAND ABOVE MOP SINK. PROVIDE EXPANSION TANK EQUAL TO AKTROL ST-5-C (MAX. ACCEPTANCE VOLUME 0.9 GALLONS, TOTAL VOLUME 2.1 GALLONS) AND INSTALL BETWEEN DOMESTIC WATER SHUT-OFF AND WATER HEATER. ADJUST TAP ON WATER HEATER AS NECESSARY FOR PRECHARGE TANK AT 55 PSIG. ALLOW SUFFICIENT ACCESS FOR MAINTENANCE.
P-17	DOWNSPOUT BOOT	MADE	3430	WALL	-	-	*	*CAST IRON COATED RECTANGULAR DOWNSPOUT BOOT. PAINT PER ARCHITECTURAL SPECIFICATIONS, COLOR TO BE SELECTED BY ARCHITECT.

NOTES

- COORDINATE COUNTER TOP FIXTURE INSTALLATION WITH MILLWORK.
- INSTALL ACCESSIBLE FLUSH VALVE TO THE ACCESSIBLE SIDE.
- MECHANICAL CONTRACTOR SHALL PROVIDE APPROVED TRAP GUARDS ON ALL FLOOR SINKS AND FLOOR DRAINS.

CIRCULATING PUMP SCHEDULE

MARK	MFG	MODEL	GPM	HEAD (FT)	VLT / PH / HZ	WATTS	REMARKS / ACCESSORIES
CP-1	BELL & GOSSETT	NFB-36	12	20	115 / 1 / 60	270	1, 2, 3, 4

ACCESSORIES

- BRONZE CONSTRUCTION FOR HOT WATER RECIRCULATION.
- PROVIDE AQUASTAT.
- PLUMBING CONTRACTOR TO PROVIDE TC-1 AUTOMATIC TIMER.
- PROVIDE 3 SPEED MOTOR.

NOTES:
RE:P2.1 FOR PLUMBING PLANS.
RE:P3.1 FOR PLUMBING DETAILS.

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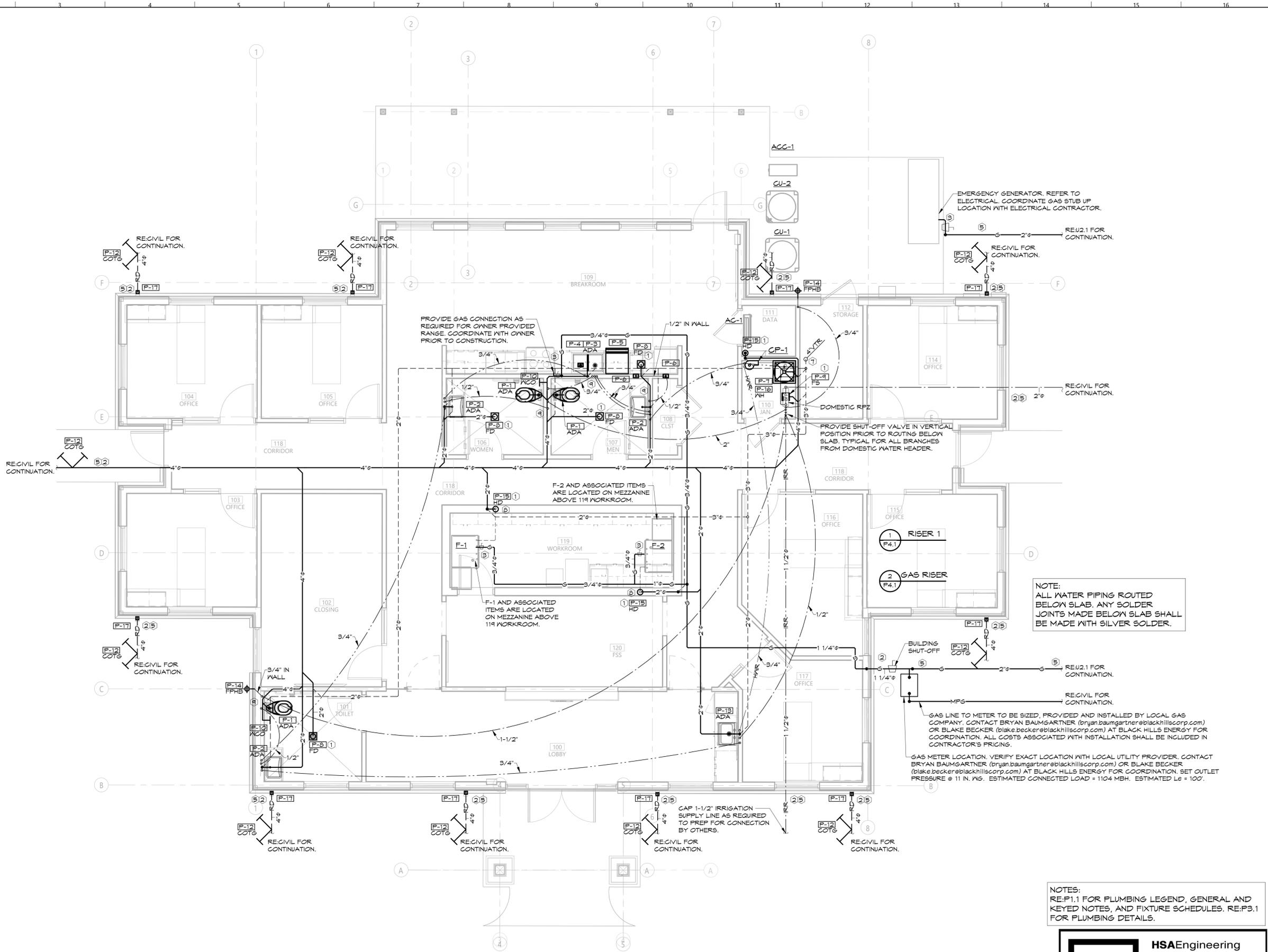
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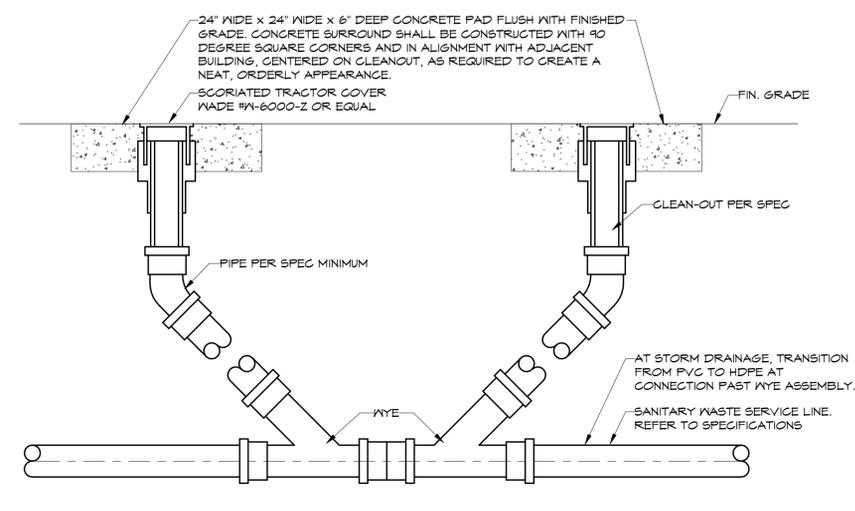
PLUMBING NOTES, LEGEND & SCHEDULES

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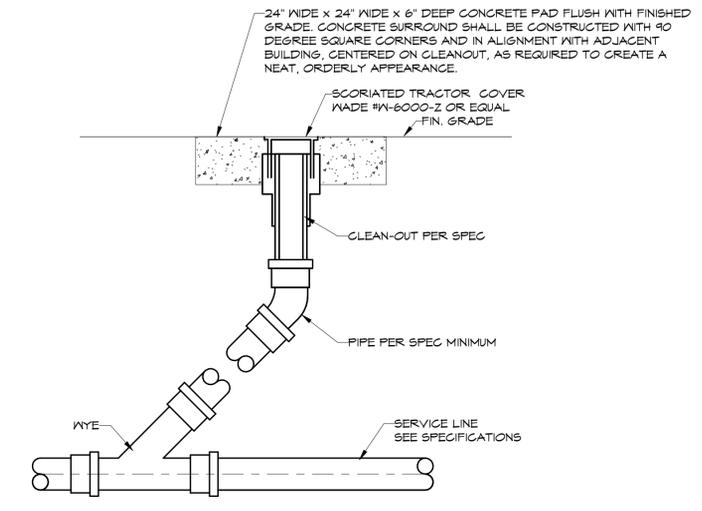
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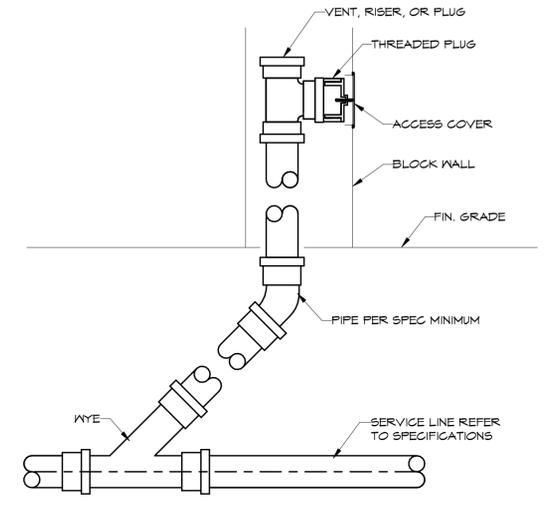




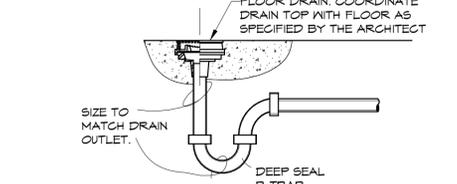
1 DOUBLE CLEAN OUT TO GRADE
NTS



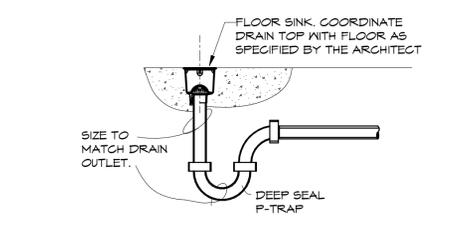
2 CLEAN OUT TO GRADE DETAIL
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3 WALL CLEAN OUT DETAIL
NTS

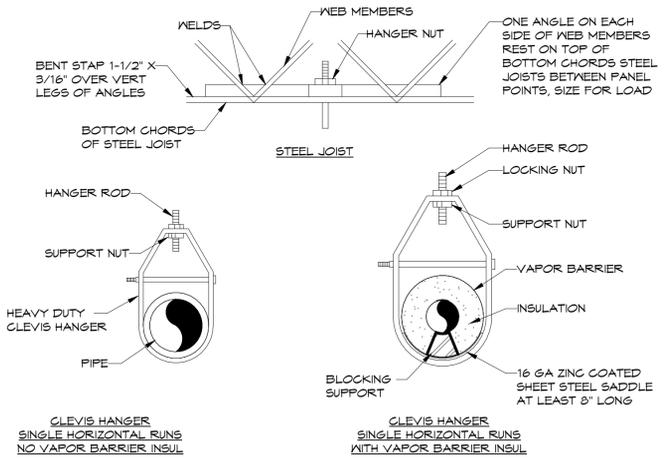


4 FLOOR DRAIN DETAIL
NTS

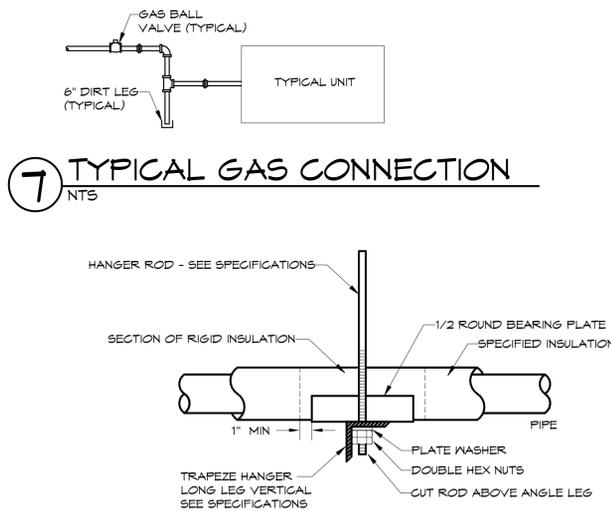


5 FLOOR SINK DETAIL
NTS

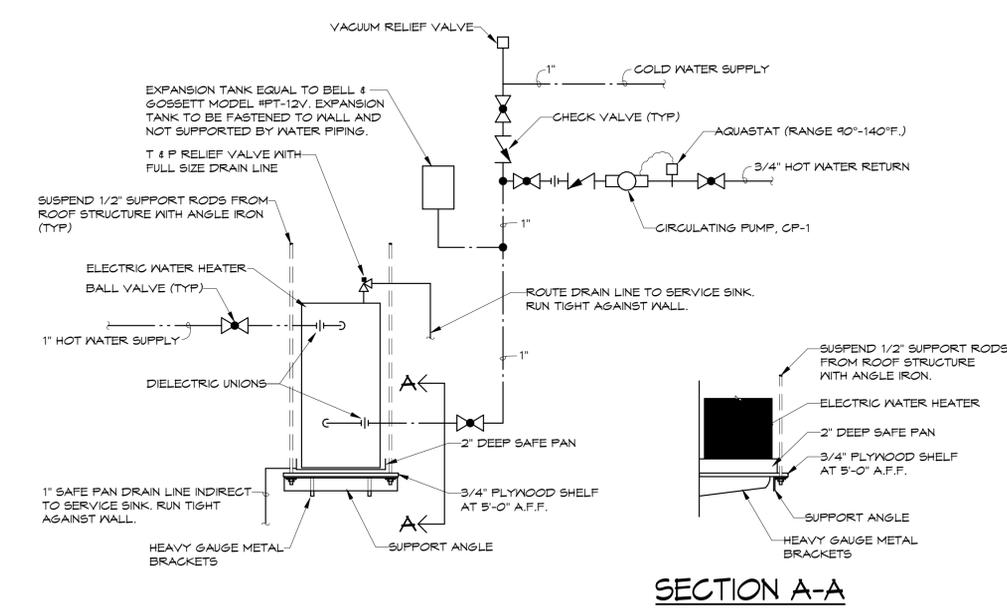
HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	1/4" DIA	8" THRU 12"	1/2" DIA
2 1/2" UP TO 6"	3/8" DIA		



6 TYPICAL PIPE HANGER DETAIL-CLEVIS HANGER
NTS

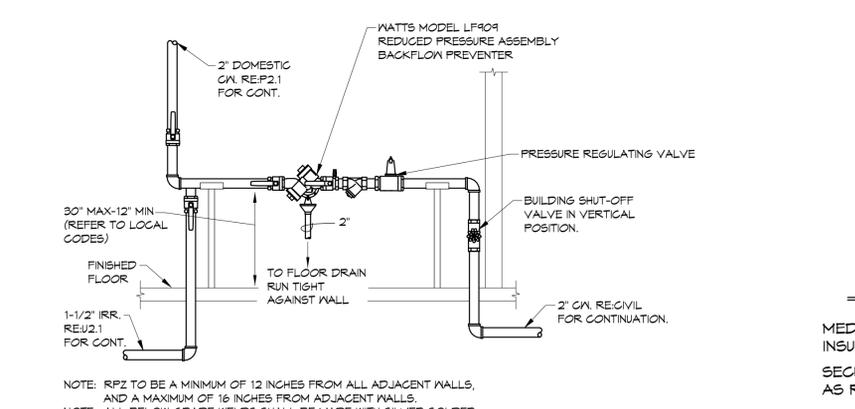


7 TYPICAL GAS CONNECTION
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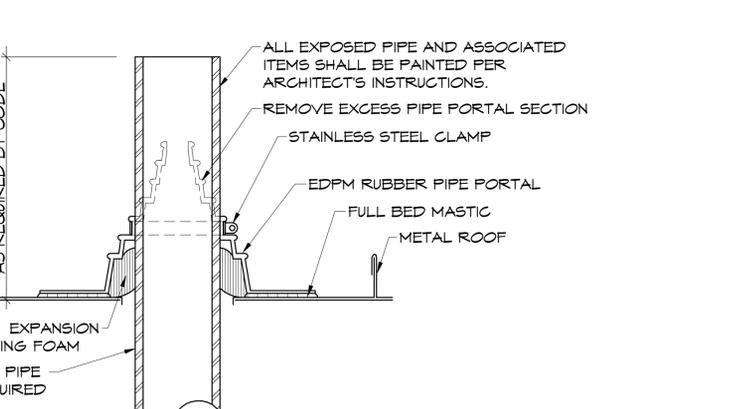


9 WATER HEATER DETAIL
NTS

SECTION A-A



10 STACKED RPZ DETAIL
NTS



11 VENT THRU ROOF DETAIL
NTS

NOTES:
RE:P1.1 FOR PLUMBING LEGEND, GENERAL AND KEYED NOTES AND SCHEDULES. RE:P2.1 FOR PLUMBING PLANS.

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PLUMBING DETAILS

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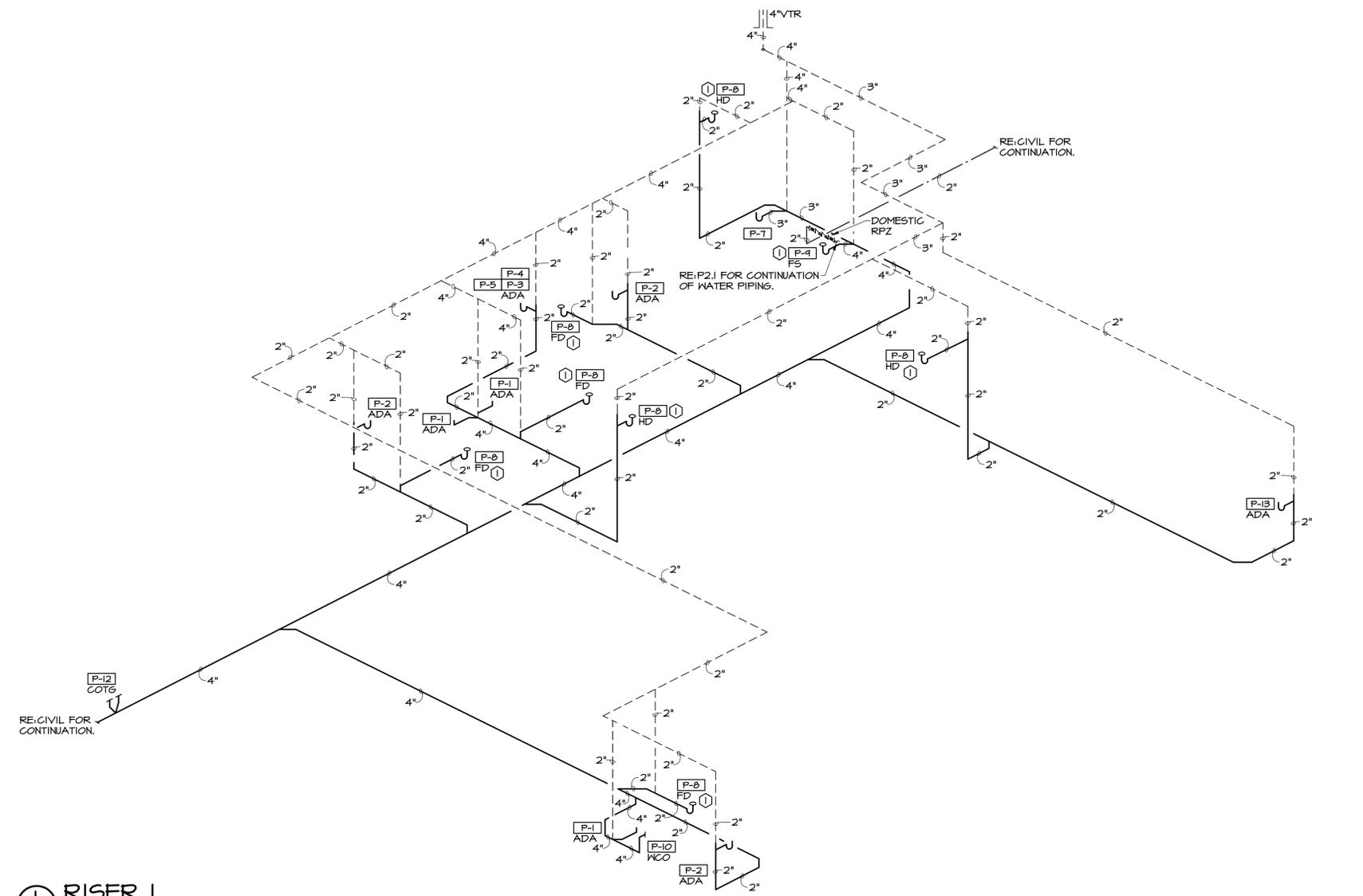
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PLUMBING RISERS

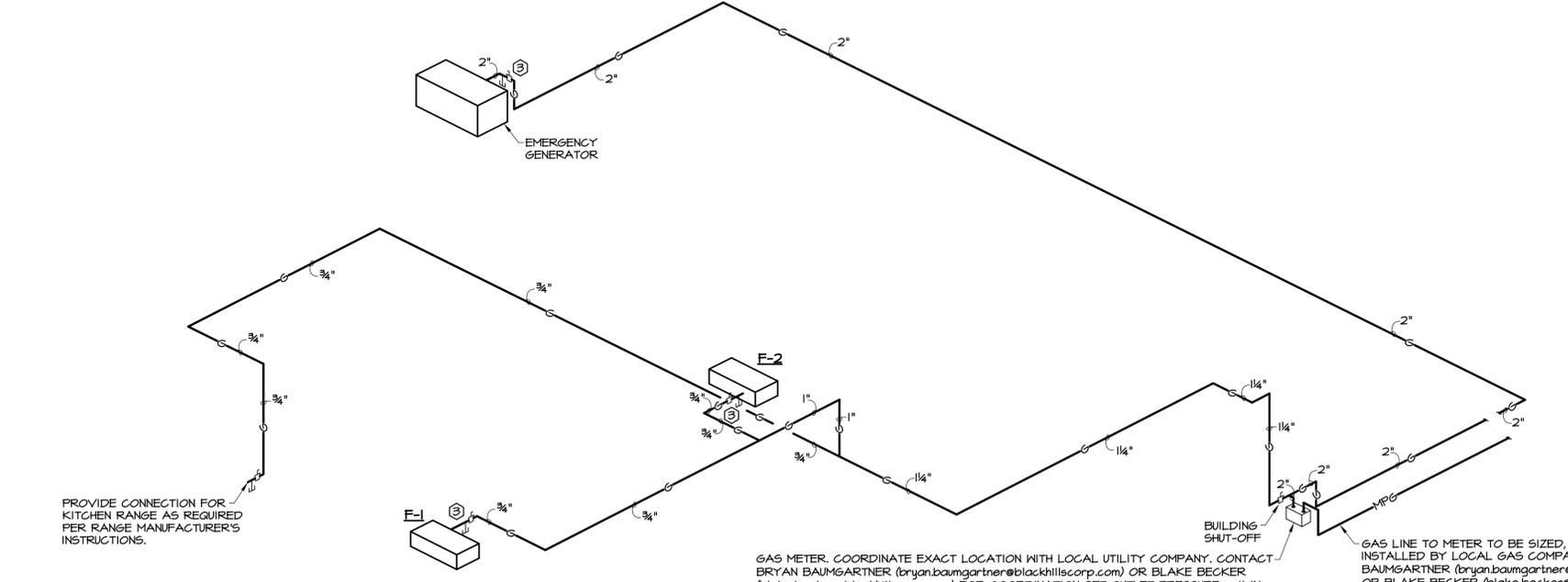
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HSA JOB # 25-129



1 RISER 1
N.T.S.



2 GAS RISER
N.T.S.

GAS METER. COORDINATE EXACT LOCATION WITH LOCAL UTILITY COMPANY. CONTACT BRYAN BAUMGARTNER (bryan.baumgartner@blackhillscorp.com) OR BLAKE BECKER (blake.becker@blackhillscorp.com) FOR COORDINATION. SET OUTLET PRESSURE @ 11 IN. W.S. ESTIMATED CONNECTED LOAD = 1104 MBH. ESTIMATED Le = 100 FT.

GAS LINE TO METER TO BE SIZED, PROVIDED AND INSTALLED BY LOCAL GAS COMPANY. CONTACT BRYAN BAUMGARTNER (bryan.baumgartner@blackhillscorp.com) OR BLAKE BECKER (blake.becker@blackhillscorp.com) FOR COORDINATION. ALL COSTS ASSOCIATED WITH INSTALLATION SHALL BE INCLUDED IN CONTRACTOR'S PRICING.

NOTES:
RE-PLUMBING LEGEND AND
NOTES AND SCHEDULES.

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GENERAL ELECTRICAL SITE NOTES (THIS SHEET ONLY)

1. THE PRIMARY AND SECONDARY DITCH, BACKFILL, AND COMPACTION IS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. PRIMARY AND SECONDARY CONDUITS, PRIMARY AND SECONDARY CONDUCTORS, AND CONCRETE PAD FOR TRANSFORMER ARE TO BE PROVIDED AND INSTALLED BY THE UTILITY COMPANY.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COSTS OF INSTALLATION AND CONNECTING THE ELECTRICAL SERVICE CONDUITS. COORDINATE CONNECTION TO EXISTING OVERHEAD LINES.
3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COSTS OF INSTALLATION AND CONNECTING LOW VOLTAGE SERVICES.
4. LOCATE ALL POLE BASES MINIMUM 3' OFF OF CURB.

KEYED ELECTRICAL SITE NOTES (THIS SHEET ONLY)

- ① PRIMARY / SECONDARY ELECTRICAL SERVICE CONDUIT, REFER TO GENERAL NOTE 1.
- ② IDENTIFY OUTDOOR UNDERGROUND LINES WITH CONTINUOUS STRIP OF PLASTIC UTILITY MARKER. TAPE SHOULD STATE AT REGULAR INTERVALS: "CAUTION (STATE UTILITY) PIPE BELOW". INSTALL TAPE ONE FOOT DIRECTLY ABOVE PIPE BEFORE BACKFILLING TO GRADE.
- ③ 2"-3" CONDUITS WITH NYLON PULL ROPE FOR TELEPHONE, TV CABLE. VERIFY EXACT REQUIREMENTS WITH SERVICE PROVIDER.
- ④ SEPTIC TANK CONTROL PANEL. PROVIDE ALL POWER AND CONTROL WIRING FROM CONTROL PANEL TO PUMP. COORDINATE FINAL POWER REQUIREMENTS AND LOCATION WITH PUMP AND CONTROLLER PROVIDED BY THE EQUIPMENT PROVIDER/INSTALLER.
- ⑤ PROPOSED LOCATION FOR PAD MOUNT UTILITY TRANSFORMER.

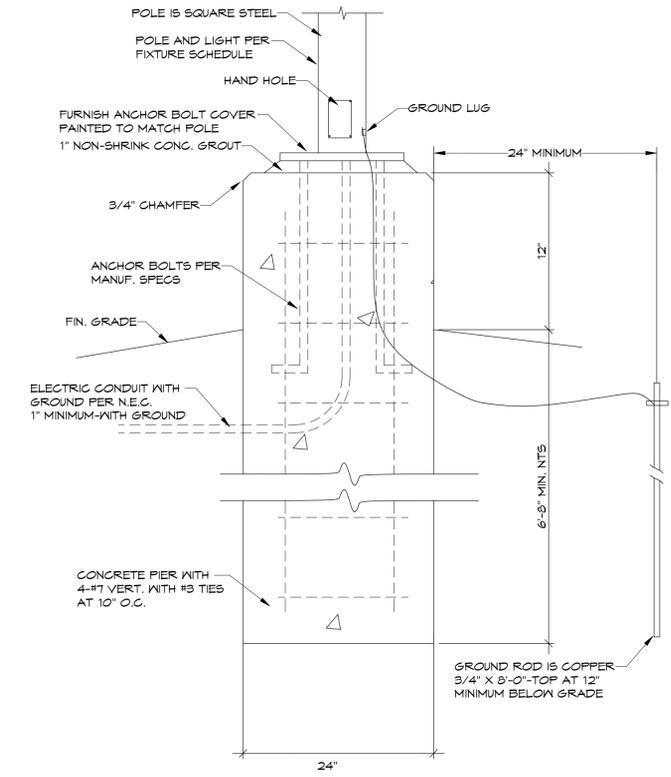
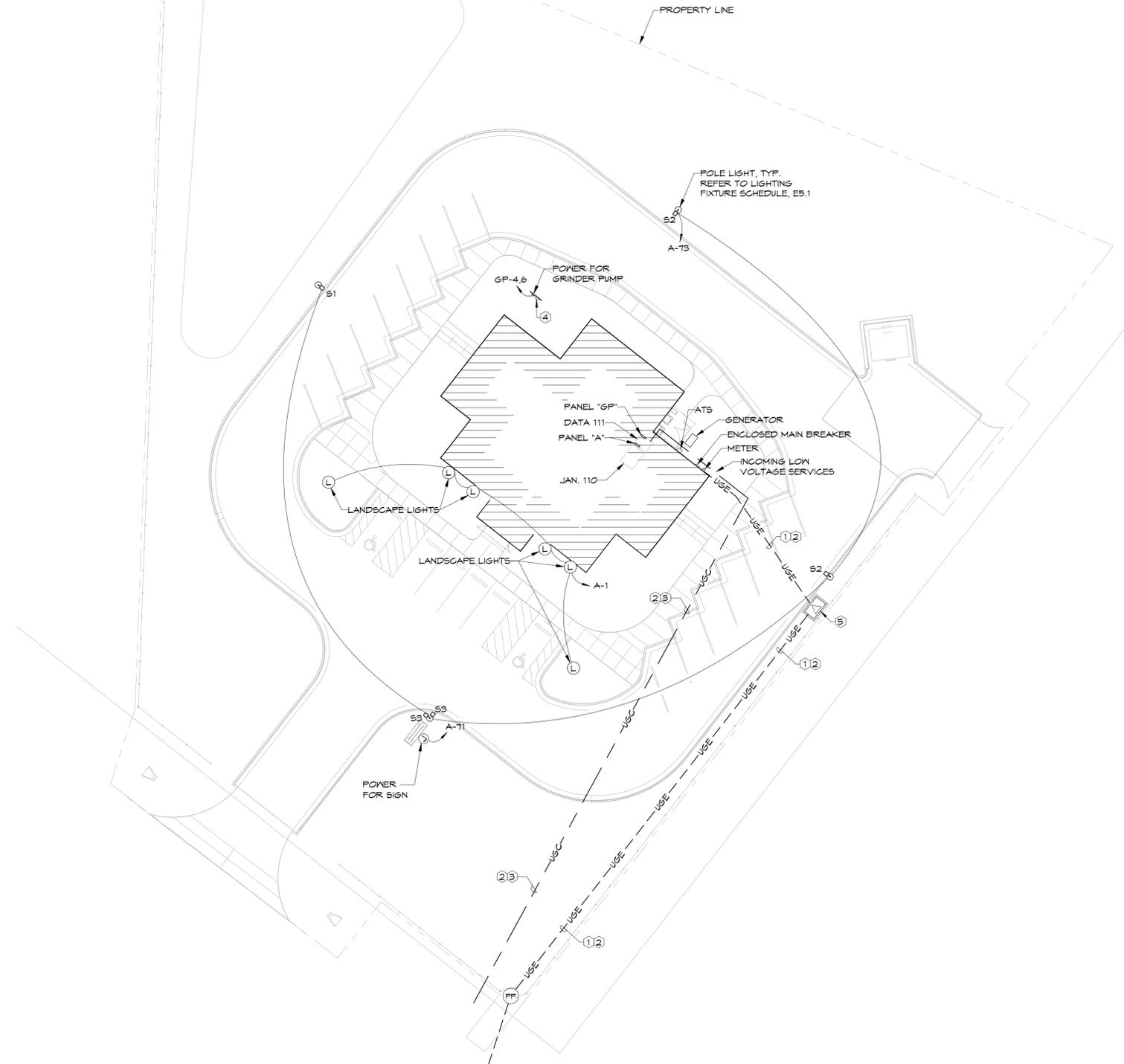
ELECTRICAL SITE LEGEND

---	U-GE	---	UNDERGROUND ELECTRIC
---	U-GC	---	UNDERGROUND TELEPHONE
⊙	PP		POWER POLE

UTILITY CONTACTS:

ARKANSAS VALLEY ELECTRIC COOPERATIVE CORPORATION (AVECC) CHRIS HOYE
 chowe@avecc.com 479-667-9977

① ELECTRICAL SITE PLAN
 1" = 20'-0"



② EXTERIOR LIGHT POLE FOOTING
 N.T.S.



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ELECTRICAL SITE PLAN

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ES1.0

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LEGEND

- ELECTRICAL PANEL.
- BRANCH CIRCUIT HOMERUN, PANEL AND CIRCUIT NUMBER INDICATED.
- [KB] "KNOX" BOX TO BE KNOX SERIES 3200 WITH "BEST" LOCK SYSTEM. FURNISH RECESSED BOX WITH MOUNTING FRAME.
- [D] DUPLEX RECEPTACLE (NEMA 5-20R) OR-DOUBLE DUPLEX, TAMPER RESISTANT, COMMERCIAL SPECIFICATION GRADE.
- [E] 220 VOLT RECEPTACLE (NUMBER DENOTES AMPS)
- [G] DUPLEX RECEPTACLE GROUND FAULT NEMA 5-20R, TAMPER RESISTANT, COMMERCIAL SPECIFICATION GRADE.
- [TV] TELEVISION CABLE OUTLET VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH THE OWNER PRIOR TO ROUGH-IN. REQUIRES RECEPTACLE, AND ONE 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE 3 GANG BACK BOX ARLINGTON #TVB9507.
- [FB] WIREMOLD TYPE "RFBAC630-06" FLOOR BOX WITH TWO DUPLEX RECEPTACLE, AND TWO COMMUNICATION BRACKETS TO MATCH OWNER'S DATA EQUIPMENT. INSTALL ONE 1" CONDUIT FOR POWER AND ONE 1" CONDUIT FOR DATA. INCLUDE ONE BRASS COVER, TYPE 8CT FLUSH COVER, AT EACH LOCATION. SET BOX HEIGHT WITH FLOOR TYPE. COVER IS TO BE FLUSH IN FLOOR. (FOR BARE/POLISHED CONCRETE FLOOR PROVIDE RFB66 CONCRETE EDGE BARRIER KIT).
- [NFI] WIRELESS INTERNET EQUIPMENT FURNISHED AND INSTALLED BY THE OWNER, FURNISH AND INSTALL BOC AND CONDUIT TO ABOVE ACCESSIBLE CEILING.
- [D] DATA: REQUIRES 4" SQUARE OUTLET BOX, APPROPRIATE PLASTER RING, AND 1" C. STUBBED TO AN ACCESSIBLE LOCATION ABOVE A REMOVABLE CEILING TILE.
- [J] FLUSH MOUNTED JUNCTION BOX. VERIFY MOUNTING HEIGHT WITH MILLWORK DETAILS AND/OR THE OWNER'S REPRESENTATIVE. AT EQUIPMENT LOCATIONS VERIFY THE EXACT LOCATION WITH THE EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- [F] FUSED/NON-FUSED DISCONNECT-FUSE ALL EQUIPMENT PER MANUFACTURER RECOMMENDATION FOR THE ACTUAL EQUIPMENT FURNISHED. FURNISH NEMA-4X IN THE KITCHEN. MOUNT DISCONNECT FOR HVAC CONDENSER UNITS WITH TOP OF SWITCH AT 36" A.F.F.
- [CR] FLUSH MOUNTED OUTLET BOX, BOTTOM AT 48" A.F.F. FOR CARD READER. SUPPLY 3/4" CONDUIT TO AN ACCESSIBLE AREA ON THE INTERIOR, AND ONE 3/4" CONDUIT TO DOOR FRAME HEADER. FURNISH 120 VOLT CIRCUIT TO GENERATOR PANEL. VERIFY WITH SECURITY CONTRACTOR.
- [C] INSTALL FLUSH MOUNTED BOX FOR SECURITY CAMERA. PROVIDE 3/4" CONDUIT TO ABOVE AN ACCESSIBLE CEILING. COORDINATE SIZE OF BOX WITH CAMERA CONTRACTOR PRIOR TO INSTALLATION.
- [E] PUSH BUTTON FOR EMERGENCY SHUTOFF

LEGEND(CONT.)

- [HP] MOTOR - VERIFY THE SIZE WITH ACTUAL EQUIPMENT FURNISHED. NUMBER REPRESENTS HORSE POWER RATING.
- [S] MOTOR RATED SWITCH USED FOR EQUIPMENT DISCONNECTING MEANS. SINGLE PHASE: PROVIDE WITH THERMAL OVERLOAD SIZED PER MOTOR LOAD.
- [S] SINGLE POLE SWITCH FOR GARBAGE DISPOSER. WIRE RECEPTACLE TO SWITCHED UPPER HALF.
- [S] SWITCH TYPE 1221 ("3" INDICATES 3-WAY SWITCH, "D" INDICATES DIMMER COORDINATE WITH FIXTURE/LAMP TYPE AND CIRCUIT WATTAGE.
- [S] WALL MOUNTED DUAL TECHNOLOGY MOTION SENSOR SWITCH WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE CONTRACTORS TO CONTROL EXHAUST FAN WITH LIGHTS.
- [S] WALL MOUNTED PASSIVE INFRARED COMBINATION MOTION SENSOR SWITCH AND SINGLE POLE WALLBOX SLIDE DIMMER. WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE CONTRACTORS TO CONTROL EXHAUST FAN WITH LIGHTS. LEVITON OSD10 OR EQUAL
- [S] CEILING FAN SWITCH
- [OS] "OS" - CEILING MOUNTED DUAL TECHNOLOGY MOTION SENSOR PROVIDE AND INSTALL THE APPROPRIATE POWER PACK. COORDINATE SWITCHING WITH ACTUAL MOTION SENSOR USED. COORDINATE LOCATION AND NUMBER WITH ACTUAL MOTION SENSOR USED. WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE OCCUPANCY SENSOR WHICH IS THE CORRECT TYPE FOR THE SPACE. PROVIDE CONTRACTORS TO CONTROL EXHAUST FAN WITH LIGHTS.
- [OS] "OS" - WALL MOUNTED DUAL TECHNOLOGY MOTION SENSOR PROVIDE AND INSTALL THE APPROPRIATE POWER PACK. COORDINATE SWITCHING WITH ACTUAL MOTION SENSOR USED. COORDINATE LOCATION AND NUMBER WITH ACTUAL MOTION SENSOR USED. WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE OCCUPANCY SENSOR WHICH IS THE CORRECT TYPE FOR THE SPACE.
- [X] EXIT LIGHT - ARROW DENOTES INCLUSION OF ARROW ON LENS. CONTRACTOR TO COORDINATE PROPER MOUNTING DETAILS.
- [TC] TIME CLOCK; INTERMATIC #ET215C FOR LIGHTING CONTROL APPLICATIONS. INTERMATIC #T2005 FOR CIRCUITING PUMPS.
- [L] LIGHTING CONTACTOR-SQUARE D #9403.
- [PE] PHOTO-ELECTRIC CELL; EQUAL TO INTERMATIC NO. K4136M.
- [T-1.2] THERMOSTAT, MOUNT, @ 48" A.F.F. TO CENTER OF BOX (NUMBER DENOTES HVAC UNIT).
- [FACP] FIRE ALARM CONTROL PANEL MOUNTED 50" A.F.F.
- [FAAP] FIRE ALARM ANNUNCIATOR PANEL MOUNTED 52" A.F.F.
- [M] MANUAL PULL STATION MOUNTED MINIMUM OF 42"; MAXIMUM OF 48" A.F.F.
- [SD] PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNTED
- [HD] HEAT DETECTOR. CEILING MOUNTED
- [V] WALL MOUNT FIRE ALARM VISUAL STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
- [H] CEILING FIRE ALARM HORN-STROBE LIGHT-WP DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.
- [X] DETAIL NUMBER
- [Ex] SHEET NUMBER

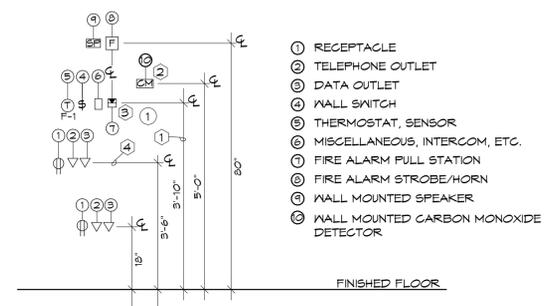
SUBSCRIPTS:
 C = COORDINATE LOCATION WITH MILLWORK-MOUNTING HEIGHTS VARY. REFER TO THE ARCHITECTURAL MILLWORK DRAWINGS.
 M = WALL MOUNTED @ 48" A.F.F.-OR AS SHOWN.
 GF1 = GROUND FAULT CIRCUIT INTERRUPTER.
 WP = WEATHER RESISTANT RECEPTACLES ARE "GF1", WITH METAL WEATHER RESISTANT "WHILE-IN-USE" COVERS.
 M1 = MICROWAVE OVEN.
 EM = FIXTURE CONTAINS EMERGENCY BATTERY PACK.
 NL = UNSWITCHED EMERGENCY FIXTURE.
 H = MOUNT HORIZONTALLY IN MILLWORK.
 EC = ELECTRICAL CONTRACTOR
 AFF = ABOVE FINISHED FLOOR
 AFG = ABOVE FINISHED GRADE
 EWH = ELECTRIC WATER HEATER
 NTS = NOT TO SCALE

GENERAL ELECTRICAL NOTES-ALL SHEETS
 THESE NOTES ARE ONLY A SUPPLEMENT TO THE SPECIFICATIONS

- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR A COMPLETE WORKING INSTALLATION.
- THIS CONTRACTOR IS TO COMPLY WITH THE STATE ADOPTED ADA ACCESSIBLE GUIDELINES IN REGARD TO ACCESSIBLE FEATURES.
- AT ALL MILLWORK LOCATIONS COORDINATE THE ELECTRICAL INSTALLATION WITH THE ARCHITECTURAL DRAWINGS.
- PROVIDE FIRE RATED CAULKING WHERE CONDUIT OR OTHER ELECTRICAL ITEMS PASS THROUGH FIRE-RATED WALLS, CEILING AND FLOORS.
- INSTALL ALL CONDUIT STRAIGHT AND PARALLEL WITH THE BUILDING LINES. ALL CONDUIT IS CONCEALED IN PUBLIC PLACES.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT AND FEE COSTS AND SHALL INCLUDE THESE COSTS IN THE BID PRICE FOR THIS PROJECT.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL CODES AND ORDINANCES. IF A CONFLICT IS FOUND BETWEEN APPLICABLE CODES, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL APPLICABLE MUNICIPAL CODES AND ORDINANCES.
- THE SUBMISSION OF A PROPOSAL WILL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE DRAWINGS, SPECIFICATION BOOK, THE BUILDING SITE AND OTHER INFORMATION PRESENTED FOR THE CONSTRUCTION OF THIS PROJECT. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD A COMPLETE AND THOROUGH EXAMINATION BEEN MADE.
- DO NOT SCALE DIRECTLY FROM THE ELECTRICAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL INFORMATION.
- THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED FABRICATED OR FIELD ERECTED. THIS CONTRACTOR GUARANTEE SHALL EXIST FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND/OR WORKMANSHIP OF ANY KIND.
- WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF THE WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES WILL BE MADE WITH OUT THE EXPRESSED WRITTEN CONSENT OF THE OWNER.
- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES TO INSURE THAT ALL CIRCUITS AND DEVICES ARE OF A PROPER SIZE FOR ACTUAL EQUIPMENT FURNISHED. THE ENGINEER SHALL BE NOTIFIED OF ANY CONFLICT WHICH CAUSES CHANGES TO ANY SYSTEM AS DESIGNED ON THESE DRAWINGS. FAILURE ON THE PART OF THE CONTRACTOR TO NOTIFY THE ENGINEER OR ARCHITECT OF SUCH CONFLICTS PLACES THE SUBSEQUENT CHANGES UPON THE CONTRACTOR.
- CONDUIT FOR FLOOR BOXES IS TO BE INSTALLED UNDER THE SLAB, UP INTO THE BOTTOM OF THE FLOOR BOX. NO CONDUIT IS TO BE INSTALLED IN THE SLAB.
- WHEN INSTALLING POLE BASES OR UNDERGROUND UTILITIES, FIELD VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES. EXACT LOCATION OF POLE BASES AND CONDUIT TO BE DETERMINED IN THE FIELD.
- THE ELECTRICAL CONTRACTOR IS TO PROVIDE, AT YET TO BE DECIDED LOCATIONS, TEN (10) CONDUIT SUB-UPS, WHICH ARE TO INCLUDE 4" OUTLET BOXES, PLASTER RINGS, COVER PLATES, AND CONDUIT TO ABOVE THE CEILING, FIVE ONE GANG AND FIVE TWO GANG. IN ADDITION, PROVIDE TEN (10) SINGLE GANG SUB-UPS WHICH ARE TO INCLUDE 4" OUTLET BOXES, PLASTER RINGS, COVER PLATES, INCLUDING ONE RECEPTACLE OR SWITCH WITH 90 FEET OF CONDUIT WIRING PER SINGLE GANG SUB-UP. COMBINED TOTAL NUMBER OF SUB-UPS REQUIRED IS TWENTY (20).
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING SYSTEMS:
 - A. POWER AND LIGHTING
 - ALL DEVICE PLATES ARE NYLON. COORDINATE COLOR OF DEVICES WITH THE ARCHITECT.
 - ALL 20A 120V AND 250V NON-LOCKING TYPE RECEPTACLES, UNLESS OTHERWISE NOTED, SHALL BE TAMPER RESISTANT TYPE PER NEC 408.12.
 - WHERE DEVICES ARE SHOWN NEXT TO EACH OTHER, THEY ARE INTENDED TO BE GANGED. FIELD VERIFY ACTUAL SPACE AVAILABLE AND NOTIFY THE ARCHITECT WHERE THERE ARE SPACE CONFLICTS.
 - RECEPTACLES FOR EQUIPMENT SUCH AS ELECTRIC WATER COOLERS SHALL BE LOCATED IN THE WALL AT A LOCATION WHICH IS CONCEALED BY THE EQUIPMENT CABINET.
 - ALL EMPTY CONDUITS ARE TO CONTAIN A NYLON PULL STRING. EMPTY CONDUITS 2" AND LARGER ARE TO BE SWABBED OUT AND LEFT WITH A NYLON PULL ROPE FOR THE USE OF THE OWNER.
 - COORDINATE THE EXACT LOCATION OF ALL FLOOR BOXES WITH THE ARCHITECT AND THE ARCHITECTURAL DRAWINGS.
 - COVER PLATES FOR EXTERIOR RECEPTACLES ARE TO BE METAL, WEATHER PROOF WHILE IN USE.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DRIVER AND LAMP COMBINATIONS THAT WILL PROVIDE THE OWNER WITH A FIVE YEAR WARRANTY ON THE DRIVER.
 - GENERAL CONTRACTOR PROVIDES AND INSTALLS KNOX BOX AT MAIN FRONT ENTRY.
 - ROOM NUMBERS USED IN THE PANEL SCHEDULES ARE TO REFLECT ROOM NUMBERS BY THE OWNER. ARCHITECT WILL PROVIDE CROSS OVER LIST DURING THE PROJECT.
 - OCCUPANCY SENSORS ARE TO BE LAID OUT BY THE LIGHTING REPRESENTATIVE FURNISHING THE EQUIPMENT HSA WILL PROVIDE AUTO CAD DRAWINGS AS NECESSARY. ELECTRICAL CONTRACTOR RESPONSIBLE FOR LOCATION DETAILS AND MOUNTING. SENSORS SHOWN ARE FOR REFERENCE ONLY.
 - WHERE INDIRECT (SUSPENDED) LIGHTING IS USED, THE ELECTRICAL CONTRACTOR SHALL CONTRACT WITH THE CEILING CONTRACTOR TO PROVIDE THE NECESSARY TIES TO THE STRUCTURE ABOVE AT EACH POINT OF ATTACHMENT OF THE FIXTURE HANGERS.
 - ALL WIRE AND CABLE SHALL BE SOFT DRAWN COPPER WITH INSULATION CONFORMING TO REQUIREMENTS OF THE NEC AND ALL RELEVANT ASTM SPECIFICATIONS.
 - ALL WIRE NO. 8 AND LARGER SHALL BE STRANDED. WHERE NO. 12 OR 10 STRANDED IS USED, TERMINATE WITH INSULATED COMPRESSION LUG OF THE PROPER SIZE. E. ALL WIRE SHALL HAVE 600 VOLT TYPE THIN INSULATION, UNLESS SPECIFIED OTHERWISE ON THE PLANS.
 - WIRE SIZES:
 - WIRE SIZE 120V
 - A. #12 LESS THAN 75 FEET
 - B. #10 BETWEEN 75-150 FEET
 - C. #8 BETWEEN 150-250 FEET
 - D. #6 BETWEEN 250-375 FEET

GENERAL ELECTRICAL NOTES
 (CONTINUED.)

- FIRE ALARM
 - ALL FIRE ALARM OUTLET BOXES ARE TO BE PAINTED RED.
 - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING BREAKER LOCK FOR LOCKING FIRE ALARM PANEL BREAKER IN THE "ON" POSITION.
 - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING A PLAN BOX NEXT TO THE FIRE ALARM CONTROL PANEL. COORDINATE EXACT SIZE AND LOCATION OF BOX WITH THE CITY FIRE MARSHAL PRIOR TO INSTALLATION. IT SHOULD BE LARGE ENOUGH FOR A SET OF SPRINKLER PLANS ALSO.
 - INSTALL FIRE ALARM SYSTEM PER N.F.P.A. AND ALL STATE AND LOCAL ORDINANCES.
 - COORDINATE THE OVERALL FIRE ALARM SYSTEM WITH THE FIRE MARSHAL, FURNISHING ALL DEVICES AND SYSTEMS NECESSARY FOR A COMPLETE ACCEPTABLE SYSTEM. NO EXTRA CHARGES WILL BE ALLOWED, OUTSIDE OF THE CONTRACT PRICE. THE FIRE ALARM CONTRACTOR IS TO SUBMIT PLANS TO THE FIRE MARSHAL FOR FINAL APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
 - DUCT DETECTORS ARE SUPPLIED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO FURNISH ALL WIRING NECESSARY TO CONNECT THESE DEVICES TO THE FIRE ALARM SYSTEM. PROVIDE WITH REMOTE INDICATOR OR SEPARATELY ZONED. COORDINATE QUANTITY AND LOCATION WITH THE MECHANICAL DRAWINGS.
- CONDUIT AND CABLE SYSTEM FOR LOW VOLTAGE WIRING
 - CONDUIT FOR LOW VOLTAGE SYSTEM, TO INCLUDE SLEEVES IN FIRE WALLS.
 - DATA OUTLETS IN THE FLOOR REQUIRE 1" CONDUIT FROM EACH ONE TO A POINT ABOVE AN ACCESSIBLE CEILING. NO DAISY CHAINING OF DATA OUTLETS/CONDUITS IS ALLOWED.
 - THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONDUIT TO THE PROPERTY LINE FOR INCOMING SERVICES, AS WELL AS COORDINATION WITH THE UTILITIES FOR TIMELY INSTALLATION AND ANY FEES INCURRED.
 - CABLE IS NOT TO BE INSTALLED EXPOSED. VERIFY WITH MECHANICAL PLANS FOR PLENUM SPACES CABLE IN THESE AREAS IS PLENUM RATED.
 - ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR BOXES AND CONDUIT ONLY. ALL CABLING AND TERMINATIONS ARE TO BE PROVIDED BY THE OWNER.
 - PROVIDE NYLON BLANK COVER PLATES FOR UNUSED DATA OUTLETS.
- UNDERGROUND CONDUITS AND SLEEVES AS NECESSARY FOR DISTRIBUTION:
 - DO NOT ROUTE GROUPS OF CONDUITS OR SLEEVES ABOVE FOOTINGS UNLESS NOTED TO DO SO. IF CONFLICT OCCURS, CONSULT ARCHITECT AND ENGINEER.
 - DO NOT ROUTE CONDUIT OR SLEEVES BELOW BEARING WALLS WHEN RUNNING PARALLEL WITH WALLS.
 - LIMIT WIDTH OF CONDUIT AND SLEEVES NOT TO EXCEED 3'-0" IN WIDTH AS IT PASSES UNDER WALL FOOTING. ALIGN ITEMS PERPENDICULAR TO THE FOOTINGS AS IT PASSES UNDER THE FOOTING.
 - PROVIDE MINIMUM SPACING OF 2'-0" BETWEEN CONDUIT GROUPS AS THEY PASS UNDER FOOTINGS.
 - DO NOT ROUTE CONDUITS OR SLEEVES UNDER COLUMN FOOTINGS OR PAD FOOTINGS.
- GROUNDING SYSTEM
 - ALL CONDUITS ARE TO CONTAIN A GREEN GROUNDING CONDUCTOR, SIZED PER THE N.E.C.
 - GROUND BUILDING STEEL AS INDICATED ON DRAWINGS.
- EQUIPMENT REQUIREMENTS:
 - VERIFY EXACT FUSE SIZE AND EQUIPMENT REQUIREMENTS WITH THE ACTUAL EQUIPMENT FURNISHED BY THE OTHER CONTRACTORS.
 - ALL HOT WATER CIRCULATION PUMPS ARE TO BE CONTROLLED VIA 7 DAY TIME CLOCKS PROVIDED BY THE MECHANICAL CONTRACTOR.
 - FINAL EQUIPMENT CONNECTIONS: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS REQUIRED TO MAKE FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT FURNISHED ON THIS PROJECT. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZES, OVERCURRENT PROTECTION, PHASES, VOLTAGES, MOTOR ROTATION, ETC., WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER. FURNISH HARD WIRING FOR ALL WATER HEATERS AND CIRCULATION PUMPS.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL CONTACTORS, MAGNETIC STARTERS, AND MISCELLANEOUS WIRING NECESSARY TO CONTROL EXHAUST FANS AND OTHER AUTOMATICALLY OPERATED EQUIPMENT. THE CONTRACTOR IS TO FURNISH ONE RELAY PER ITEM AS COMPATIBLE WITH THEIR CONTROL SYSTEM.
- HVAC CONTROL:
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT FROM EACH HVAC UNIT TO ITS RESPECTIVE THERMOSTAT, HUMIDISTAT, AND/OR SENSOR, AS REQUIRED. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR AND ARCHITECT PRIOR TO ROUGH-IN.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND WIRING NECESSARY FOR LINE VOLTAGE CONTROL SYSTEMS.
 - ALL LOW VOLTAGE CONTROL WIRING SHALL BE ENCLOSED IN CONDUIT IN SPACES WITH NO CEILING.
 - COORDINATE ALL HVAC WIRING WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE A MAGNETIC STARTER FOR EACH EXHAUST FAN. THIS STARTER IS CONTROLLED BY THE LIGHTING/MOTION SENSOR SYSTEM.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL LINE VOLTAGE THERMOSTATS.
- CONDUIT SYSTEM FOR OWNER PROVIDED LOW VOLTAGE SYSTEMS:
 - OWNER PROVIDED LOW VOLTAGE SYSTEMS ARE TO INCLUDE:
 - A. INTRUSION DETECTION
 - B. ACCESS CONTROLS
 - C. SURVEILLANCE CAMERAS
 - CONDUIT FOR LOW VOLTAGE SYSTEMS IS TO INCLUDE SLEEVES IN FIRE WALLS.
 - ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR BOXES AND CONDUIT ONLY. COORDINATE WITH OWNERS INSTALLERS.
 - CABLE IS NOT TO BE INSTALLED EXPOSED. VERIFY WITH MECHANICAL PLANS FOR PLENUM SPACES. CABLE IN THESE AREAS IS PLENUM RATED.



- MOUNTING HEIGHT KEYED NOTE:**
- 4'-0" MAXIMUM TO TOP OF DEVICE UNLESS LOCATED ABOVE OBSTRUCTION (OR NOTED OTHERWISE) THEN MAXIMUM 4" ABOVE THE OBSTRUCTION. COORDINATE WITH MILLWORK.
 - MOUNT NEAR RETURN AIR GRILLE.
 - THE HEIGHT OF THE MANUAL FIRE ALARM BOXES SHALL BE A MINIMUM OF 42" AND A MAXIMUM OF 48" MEASURED VERTICALLY, FROM THE FLOOR LEVEL TO THE ACTIVATING HANDLE OR LEVER OF THE BOX.
 - ABOVE COUNTER MOUNTED DEVICES, INSTALL DEVICES ABOVE BACKSPLASH AND COORDINATED WITH MILLWORK. DATA/TELEPHONE DEVICES SHOWN ADJACENT TO ABOVE COUNTER RECEPTACLES TO BE TO BE MOUNTED AT SAME HEIGHT.

NOTE:

- ALL DEVICES SHOWN MAY NOT BE USED.
- DETAIL INDICATES TYPICAL MOUNTING HEIGHTS ONLY.
- DEVICES SHALL BE INSTALLED PLUMB, SQUARE AND TRUE.
- ALL DEVICES INSTALLED AT A SINGLE LOCATION SHALL BE ALIGNED U.O.O.
- COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECT.

1 MOUNTING HEIGHT DETAIL
 N.T.S.

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Ozark Office
 Ozark, Arkansas

DRAWN BY: HME
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 ISSUE DATE: 12/09/2025
 PROJECT NO: 2529
 REVISION DATES:


HSAEngineering
 479 / 452 / 8922 office
 7405 Ellis St.
 Fort Smith, AR 72916
 HSAConsultants.com

ELECTRICAL LEGEND,
 NOTES & DETAILS
 SHEET
E1.1
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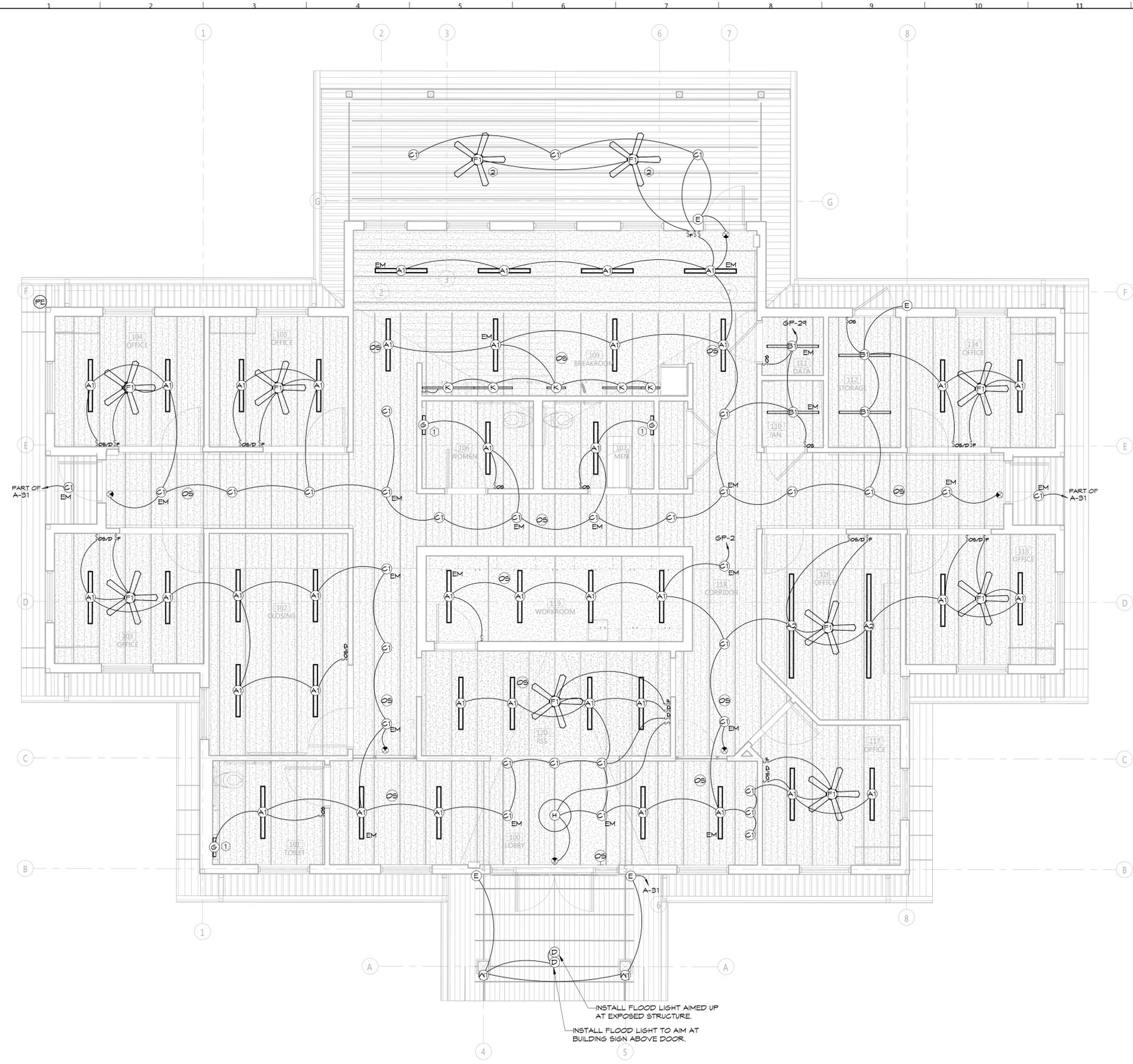


GENERAL LIGHTING NOTES

1. HOLD ALL INSULATION OFF RECESSED FIXTURES AT A MINIMUM OF 3" TO THE SIDE.
2. EXIT LIGHTS AND EMERGENCY LIGHTS REQUIRES UNSWITCHED HOT WIRE PER MANUFACTURER RECOMMENDATION.
3. FOR ALL FIXTURES WITH 0-10V DIMMING, PROVIDE LOW VOLTAGE CABLE.
4. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL LED AND DRIVER COMBINATIONS THAT WILL PROVIDE THE OWNER WITH A FIVE YEAR WARRANTY ON THE FIXTURE.
5. EM FIXTURES REQUIRE EMERGENCY BATTERY PACKS.
6. FIELD VERIFY ALL FIXTURE LENGTHS NOTES AS LENGTH PER PLANS, PROVIDE CONTINUOUS RUNS OF FIXTURES. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND THE ARCHITECT.

KEYED LIGHTING NOTES

1. COORDINATE LIGHTING FIXTURE MOUNTING HEIGHT WITH THE ARCHITECTURAL DRAWINGS AND THE ARCHITECT PRIOR TO ROUGH-IN.



INSTALL FLOOD LIGHT AIMED UP AT EXPOSED STRUCTURE.
 INSTALL FLOOD LIGHT TO AIM AT BUILDING SIGN ABOVE DOOR.

1 FIRST FLOOR LIGHTING PLAN
 1/4" = 1'-0"



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FIRST FLOOR LIGHTING PLAN
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FIRST FLOOR POWER PLAN

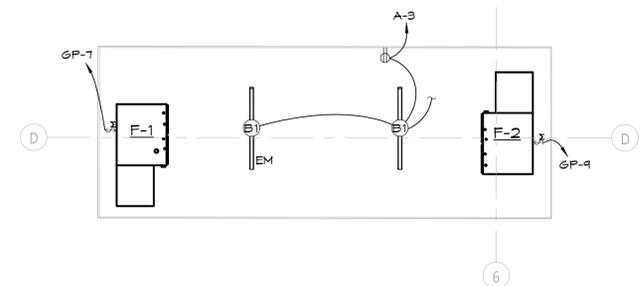
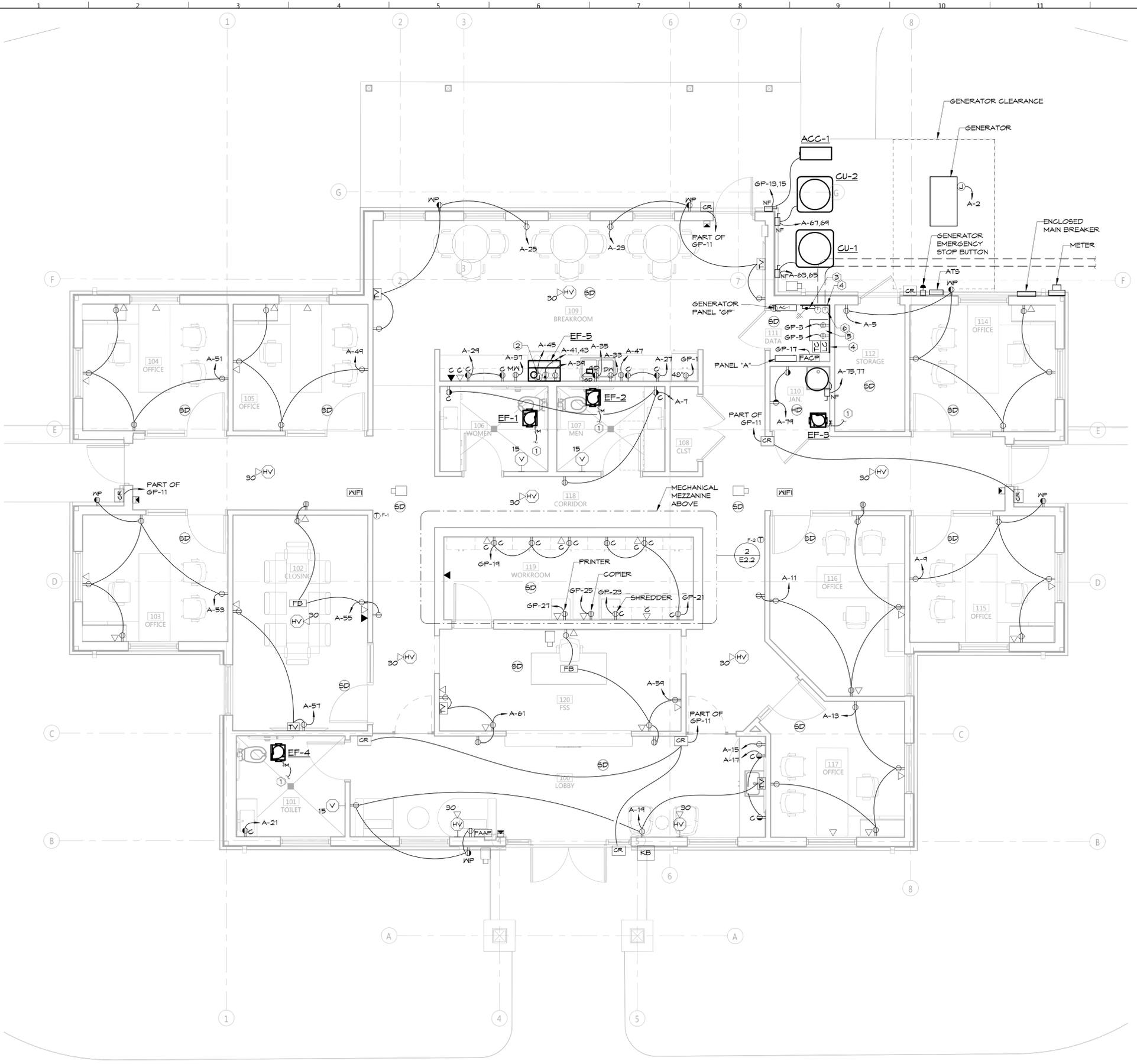
SHEET
E.2.2

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HSA JOB # 25-129

KEYED POWER NOTES

- ① CIRCUIT AND CONTROL EXHAUST FAN WITH LIGHTS THIS ROOM WIRE PER MANUFACTURERS RECOMMENDATION.
- ② JUNCTION BOX FOR RANGE HOOD. COORDINATE EXACT LOCATION WITH HOOD PROVIDED.
- ③ PROVIDE 1/4" X 20" X 4" GROUNDING BAR. INSTALL A #1/0 COPPER GROUND WIRE FROM GROUND BAR TO ELECTRICAL SERVICE GROUNDING ELECTRODE. LEAVE 5' TAIL.
- ④ 3/4" FIRE RATED PLYWOOD BACKBOARD TYPICAL ALL WALLS IN SPACE. B.O. BAND AT 24" A.F.F.
- ⑤ EQUIPMENT RACK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. QUANTITY AS REQUIRED.
- ⑥ CONDUITS FOR INCOMING NETWORK SERVICES. REFER TO ELECTRICAL SITE PLAN FOR MORE INFORMATION.



② MEZZANINE POWER & LIGHTING PLAN
1/4" = 1'-0"

① FIRST FLOOR POWER PLAN
1/4" = 1'-0"



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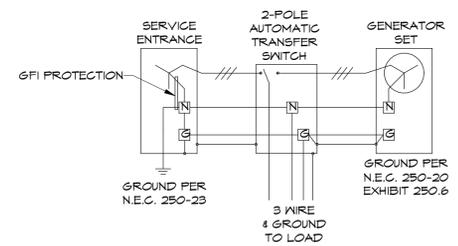


WARNING
 MAXIMUM AVAILABLE FAULT CURRENT:
 X,XXX
 (SYMMETRICAL RMS AMPERES)
 DATE: XX/XX/XX

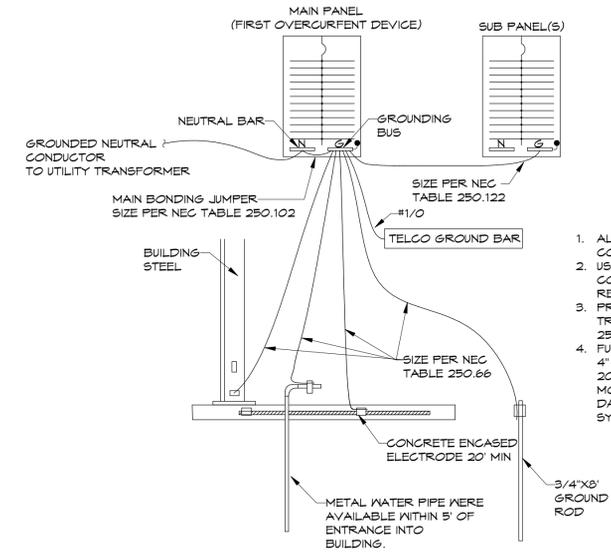
WARNING
 NOMINAL SYSTEM VOLTAGE:
 120/240V
 MAXIMUM AVAILABLE FAULT CURRENT:
 X,XXX
 (SYMMETRICAL RMS AMPERES)
 OVERCURRENT PROTECTIVE DEVICE
 CLEARING TIME:
 XX SECONDS
 DATE: XX/XX/XX

- NOTES:
 1. LABEL SHALL BE ATTACHED TO ELECTRICAL SERVICE EQUIPMENT PER NEC 110.24.
 2. PROVIDE DURABLE WEATHERPROOF LABEL.
 3. LABEL IS SHOWN TO SCALE.
 4. ELECTRICAL CONTRACTOR SHALL COORDINATE AVAILABLE FAULT CURRENT WITH UTILITY AND COMPLETE LABEL ACCORDINGLY

1 FAULT CURRENT LABEL
 N.T.S.



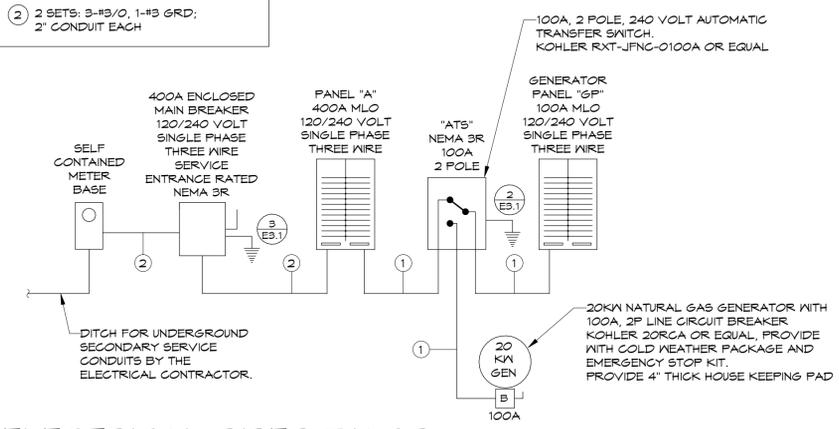
2 GENERATOR GROUNDING DIAGRAM
 N.T.S.



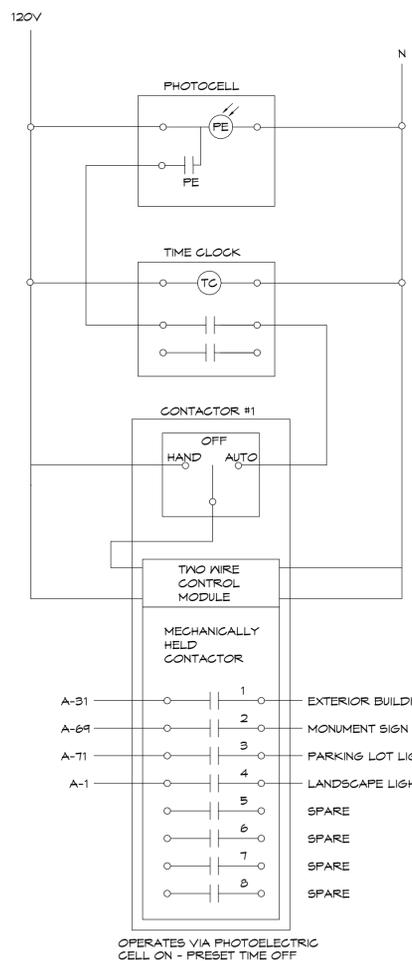
3 GROUNDING DIAGRAM
 N.T.S.

FEEDER SCHEDULE

- 1 3-#3, 1-#6 GRD; 1 1/2" CONDUIT
- 2 2 SETS: 3-#3/0, 1-#3 GRD; 2" CONDUIT EACH



4 ELECTRICAL RISER DIAGRAM
 N.T.S.

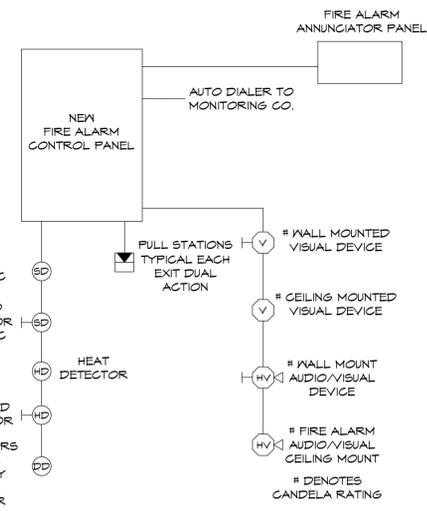


- NOTES:
 1. PHOTOELECTRIC CELL SHALL BE INTERMATIC #K4136M, WITH ADJUSTABLE SENSITIVITY, OR EQUAL. THE CONTRACTOR SHALL ADJUST DURING NIGHT HOURS TO ENSURE PROPER OPERATION.
 2. PROVIDE ALL ACCESSORIES AND HARDWARE FOR A WORKING INSTALLATION.
 3. MOUNT PHOTOELECTRIC CELL FACING NORTH, AVOID ALL ARTIFICIAL LIGHT SOURCES.

LIGHTING CONTACTOR SCHEDULE								
MARK	EQUIPMENT SERVED	CIRCUITS	COIL VOLTAGE	CONTROLLED BY	TYPE	AMP	ENCLOSURE	ACCESSORIES
LC1	EXTERIOR BLDG EXTERIOR POLES	A-31 A-69 A-T1 A-1	120	TIME CLOCK & PE CELL	MECH HELD	30	NEMA 1	HOA, TWO WIRE CONTROL MODULE

HOA - HAND-OFF-AUTO SWITCH; OVER RIDES OTHER CONTROLS
 * COORDINATE PRESET "TIME-ON" & "TIME OFF" WITH THE OWNER.

5 LIGHTING CONTACTOR DETAIL
 N.T.S.



- NOTE:
 1. INSTALL WIRING TO ALL DUCT DETECTORS. REFER TO SPECIAL SYSTEMS PLANS.
 2. COORDINATE WITH THE MECHANICAL DRAWINGS.
 3. COORDINATE WITH THE LOCAL "A.H.J." PRIOR TO BIDDING THIS PROJECT.
 4. FIRE ALARM CONTRACTOR TO MODIFY AS NECESSARY FOR SYSTEM PROVIDED.
 5. FIRE ALARM CONTRACTOR TO PROVIDE DETECTION AND RELEASE OF PREACTING FIRE SUPPRESSION SYSTEM. COORDINATE WITH FIRE SUPPRESSION CONTRACTOR TO PROVIDE ALL COMPONENTS FOR A COMPLETE AND WORKING SYSTEM

6 FIRE ALARM SYSTEM RISER DIAGRAM
 N.T.S.

HSAEngineering
 479 / 452 / 8922 office
 7405 Ellis St.
 Fort Smith, AR 72916
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 5201 W Village Parkway, Suite 300 | Rogers, Arkansas 72768 | (479) 464-4965 | www.hjarch.com

FARM CREDIT OF WESTERN ARKANSAS
Ozark Office
 Ozark, Arkansas

DRAWN BY: HME
 CHECK BY: MTR
 ISSUE DATE: 12/09/2025

PROJECT NO: 2529

REVISION DATES

ELECTRICAL DETAILS
 SHEET
E3.1
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HSA JOB # 25-129

PANEL SCHEDULE

Panel Name: A
 Amp Rating: 400 A
 Mains: MLO
 MCB Rating: Volts/Phase/Wire 120/240 Single / 1 / 3
 Manufacturer: SQUARE D
 Panel Type: NG
 Mounting: Surface
 Remarks: CU BUS
 Fault Rating: 22 KAIC
 Fed From:
 Location: DATA 111

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF WIRES	POLES	TRIP	CKT	A	B	CKT	TRIP	POLES	# OF WIRES	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description	
LANDSCAPE LIGHTING	%	12	12	3	1	20	1	0	1200								GENERATOR HEATER	
R/L: MEZZANINE	%	12	12	3	1	20	3		244	0	4	20	1	--	--	--	Spare	
R: RMS 110, 112, 114	%	12	12	3	1	20	5	1080	0					--	--	--	Spare	
R: RMS 111, 106, 107, 110	%	12	12	3	1	20	7		540	0	8	20	1	--	--	--	Spare	
R: RM 115 OFFICE	%	12	12	3	1	20	9	900	0					--	--	--	Spare	
R: RM 116 OFFICE	%	12	12	3	1	20	11		1080	0	12	20	1	--	--	--	Spare	
R: RM 117 OFFICE	%	12	12	3	1	20	13	720	0					--	--	--	Spare	
*UNDERCOUNTER REFRIGERATOR	%	12	12	3	1	20	15		1200	0	16	20	1	--	--	--	Spare	
R: ROOM 100 LOBBY	%	12	12	3	1	20	17	360	0					--	--	--	Spare	
R: ROOM 100 LOBBY	%	12	12	3	1	20	19		1020	0	20	20	1	--	--	--	Spare	
R: RM 101 TOILET	%	12	12	3	1	20	21	180	0					--	--	--	Spare	
R: RM 104 BREAKROOM	%	12	12	3	1	20	23		840	0	24	20	1	--	--	--	Spare	
R: RM 104 BREAKROOM	%	12	12	3	1	20	25	840	0					--	--	--	Spare	
R: RM 104 BREAKROOM	%	12	12	3	1	20	27		360	0	28	20	1	--	--	--	Spare	
R: RM 104 BREAKROOM	%	12	12	3	1	20	29	360	0					--	--	--	Spare	
R: RM 104 BREAKROOM	%	12	12	3	1	20	31		261	0	32	20	1	--	--	--	Spare	
**L: EXTERIOR	%	12	12	3	1	20	33	600	0					--	--	--	Spare	
*DISHWASHER	%	12	12	3	1	20	35		1200	0	36	20	1	--	--	--	Spare	
*GARBAGE DISPOSER	%	12	12	3	1	20	35			0	36	20	1	--	--	--	Spare	
*MICROWAVE	%	12	12	3	1	20	37	1200	0					--	--	--	Spare	
*RANGE (GAS)	%	12	12	3	1	20	39		1200	0	40	20	1	--	--	--	Spare	
*RANGE (ELECTRIC)	%	8	10	4	2	50	41	4500	0					--	--	--	Spare	
---	---	---	---	---	---	---	43		4500	0	44	20	1	--	--	--	Spare	
*RANGE HOOD	%	12	12	3	1	20	45	1200	0					--	--	--	Spare	
*ICE MAKER	%	12	12	4	1	20	47		1200	0	48	20	1	--	--	--	Spare	
R: 105 OFFICE	%	12	12	3	1	20	49	720	0					--	--	--	Spare	
R: 104 OFFICE	%	12	12	3	1	20	51		720	0	52	20	1	--	--	--	Spare	
R: RM 103 OFFICE	%	12	12	3	1	20	53	900	0					--	--	--	Spare	
R: RM 102 CLOSING	%	12	12	3	1	20	55		1080	0	56	20	1	--	--	--	Spare	
R: RM 102 CLOSING	%	12	12	3	1	20	57	660	0					--	--	--	Spare	
R: RM 120 F55	%	12	12	3	1	20	59		1080	0	60	20	1	--	--	--	Spare	
R: RM 120 F55	%	12	12	3	1	20	61	840	0					--	--	--	Spare	
CU-1	%	8	10	4	2	50	63		3870	0	64	20	1	--	--	--	Spare	
---	---	---	---	---	---	---	65	3870	0					--	--	--	Spare	
CU-2	%	10	10	4	2	30	67		2400	0	68	20	1	--	--	--	Spare	
---	---	---	---	---	---	---	69	2400	0					--	--	--	Spare	
**MONUMENT SIGN	%	12	12	3	1	20	71		1200	0	72	20	1	--	--	--	Spare	
**PARKING LOT LIGHTS	%	10	10	3	1	20	73	800	0					--	--	--	Spare	
WATER HEATER	%	10	10	4	2	30	75		2000	0	76	20	1	--	--	--	Spare	
---	---	---	---	---	---	---	77	2000	0					--	--	--	Spare	
CP-1	%	12	12	3	1	20	79		360	0	80	20	1	--	--	--	Spare	
SPD	%	---	---	---	---	---	81	0	9260		82	100	2	4	***	***	***	ATS
---	---	---	---	---	---	---	83		0	6236	84	---	---	---	---	---	---	---
Total Load:								34511 VA		32590 VA								
Total Amps:								288 A		272 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	2009 VA	125.00%	2512 VA	
Receptacle	25680 VA	64.47%	17840 VA	Total Conn. Load: 67101 VA
HVAC	20523 VA	100.00%	20523 VA	Total Est. Demand: 56714 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current: 280 A
Other	10396 VA	100.00%	10396 VA	Total Est. Demand Current: 237 A
Kitchen	8520 VA	65.00%	5538 VA	

Notes:
 *REQUIRES 6FI CIRCUIT BREAKER.
 **CONTROLLED BY PHOTOCELL ON/TIMECLOCK OFF.
 ***REFER TO RISER DIAGRAM FOR FEEDER SIZES.

PANEL SCHEDULE

Panel Name: GP
 Amp Rating: 100 A
 Mains: MLO
 MCB Rating: Volts/Phase/Wire 120/240 Single / 1 / 3
 Manufacturer: SQUARE D
 Panel Type: NG
 Mounting: Surface
 Remarks: CU BUS
 Fault Rating: 10 KAIC
 Fed From: ATS
 Location: DATA 111

Circuit Description	COND. SIZE	WIRE SIZE	GRD. SIZE	# OF WIRES	POLES	TRIP	CKT	A	B	CKT	TRIP	POLES	# OF WIRES	GRD. SIZE	WIRE SIZE	COND. SIZE	Circuit Description			
*REFRIGERATOR	%	12	12	3	1	20	1	1200	1256								LIGHTING			
R: RM 111 DATA	%	12	12	3	1	20	3		360	0	4	30	2	4	10	10	GRINDER PUMP			
R: RM 111 DATA	%	12	12	3	1	20	5				6	---	---	---	---	---	---			
F-1	%	12	12	3	1	20	7			1176	0	8	20	1	---	---	---	Spare		
F-2	%	12	12	3	1	20	9			1176	0	10	20	1	---	---	---	Spare		
ACCESS CONTROLS	%	12	12	3	1	20	11				200	0	12	20	1	---	---	---	Spare	
ACC-1	%	10	10	4	2	25	13	2760	0					14	20	1	---	---	---	Spare
---	---	---	---	---	---	---	15				2760	0	16	20	1	---	---	---	Spare	
FACP	%	12	12	3	1	20	17	200	0					18	20	1	---	---	---	Spare
R: RM 119 WORKROOM	%	12	12	3	1	20	19			540	---			22	---	---	---	---	Spare	
R: RM 119 WORKROOM	%	12	12	3	1	20	21	540	---					24	---	---	---	---	Spare	
*SHREDDER	%	12	12	3	1	20	23			600	---			24	---	---	---	---	Spare	
*COPIER	%	12	12	3	1	20	25	600	---					26	---	---	---	---	Spare	
*PRINTER	%	12	12	3	1	20	27			600	---			28	---	---	---	---	Spare	
LIGHTING	%	12	12	3	1	20	29			1183	---			30	---	---	---	---	Spare	
Total Load:								9260 VA		6236 VA										
Total Amps:								77 A		52 A										

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1687 VA	125.00%	2108 VA	
Receptacle	3600 VA	100.00%	3600 VA	Total Conn. Load: 15496 VA
HVAC	7983 VA	100.00%	7983 VA	Total Est. Demand: 15410 VA
Motor	0 VA	0.00%	0 VA	Total Conn. Current: 66 A
Other	1050 VA	100.00%	1050 VA	Total Est. Demand Current: 66 A
Kitchen	1200 VA	100.00%	1200 VA	

Notes:
 *REQUIRES 6FI CIRCUIT BREAKER.

LIGHTING FIXTURE SCHEDULE

MARK	VOLT	WATTS	LAMP		MOUNTING			MANUFACTURER	CATALOG NO.	REMARKS
			TEMP	TYPE	BRKT	PEND	REC			
A1	UNV	32 VA	3500K	LED			X	NULITE	RF4D-STF-10-L95-UNV-D11-MH-4	4" RECESSED LINEAR.
A2	UNV	64 VA	3500K	LED			X	NULITE	RF4D-STF-10-L95-UNV-D11-MH-8	8" RECESSED LINEAR.
B1	UNV	32 VA	4000K	LED				METALUX	45NX-22SL-LM-UNV-L835-CD1	4" LED LINEAR STRIP. PROVIDE WITH ACCESSORIES FOR MOUNTING.
C1	UNV	10 VA	3500K	LED			X	PORTFOLIO	LD4C15ICD010 / EU4C9035 / 4LBM	4" ROUND RECESSED DOWNLIGHT. 1800 LUMENS, WIDE DISTRIBUTION. 0-10V DIMMING.
D	UNV	60 VA	4000K	LED	X			LIGMAN	UZA-50001-21A-W-N40-FINISH-120/2TTV	FLOOD LIGHT. MOUNT AND ADJUST ANGLE TO ILLUMINATE BUILDING SIGN. ARCHITECT SHALL SELECT FINISH.
E	UNV	10 VA	4000K	LED			X	EXITRONICS	TRL-ACEM-FINISH	LED EXTERIOR EMERGENCY LIGHT. ARCHITECT SHALL SELECT FINISH.
EXIT	UNV	5 VA	-	LED				SURE-LITES	EU-MOUNTING-10-COLOR	EXIT SIGN - SEE PLANS FOR NUMBER OF SIDES AND CHEVRONS
F1	120	65 VA	-	-		X		QUORUM	AEROVON 52 INCH CEILING FAN	CEILING FAN. ARCHITECT SHALL SELECT HOUSING AND BLADE FINISHES.
G	120	14 VA	3000K	LED			X	OXYGEN	3-537-FINISH	VANITY LIGHT. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH-IN. ARCHITECT SHALL SELECT FINISH.
H	UNV	57 VA	3000K	LED		X		LUMINART	HOOP-80-23VALED-DIFFUSER-FINISH-30-120-2TTV	DECORATIVE PENDANT. COORDINATE MOUNTING HEIGHT. ARCHITECT SHALL SELECT FINISH.
K	120	2 VA/IN.	3000K	LED			X			