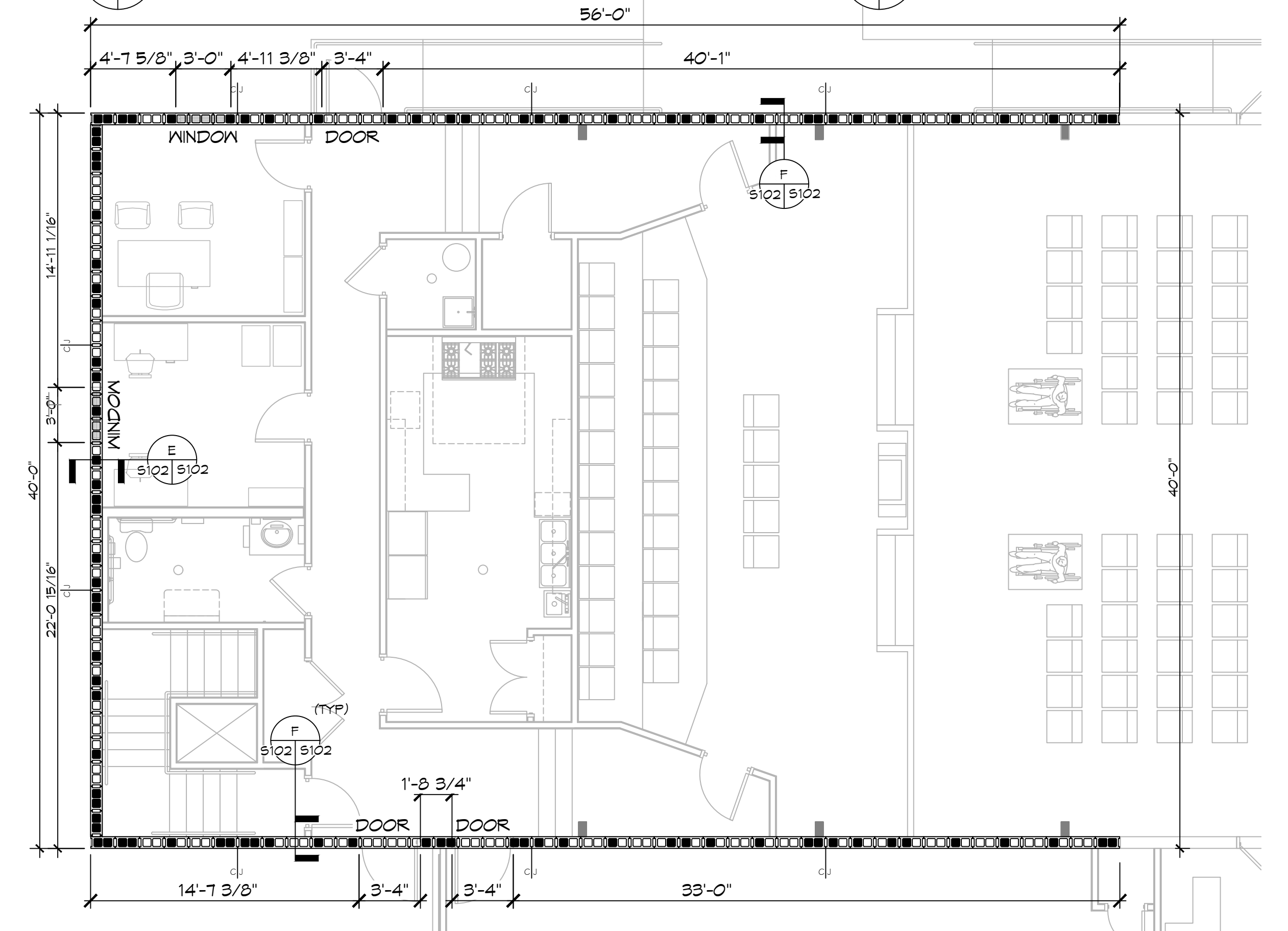


E SECTION
 5102 5102 SCALE: 1/2" = 1'-0"

F SECTION
 5102 5102 SCALE: 1/2" = 1'-0"



5 CMU PLAN
 SCALE: 3/16" = 1'-0"

MASONRY NOTES

- MASONRY CONSTRUCTION SHALL CONFORM TO ACI BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (ACI 530-99/ASCE 6-95/TMS 602-95) ASTM C476, ASTM C1019, AND NCMA TEK 107.
- CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90, (FM = 1500 PSI) (1900 PSI ON THE NET AREA)
- MORTAR SHALL COMPLY WITH ASTM C270, TYPE M (COMPRESSIVE STRENGTH = 2500 PSI SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE DESIGN COMPRESSIVE STRENGTH)
- BLOCK SHALL NOT BE MOISTENED BEFORE GROUTING.
- ALL MASONRY CROSS WEBS SHALL BE FULLY BEDDED IN MORTAR AROUND CELLS TO BE GROUTED
- VERTICAL REINFORCING MUST BE CENTERED IN THE CAVITY AND SHALL HAVE A MINIMUM CLEARANCE OF 1/2" TO INSIDE FACE. VERTICAL BAR LAP = 48 X BAR DIAMETER U.N.O.. SEE GROUTING DETAIL NOTE FOR CLEANOUT REQUIREMENTS.
- GROUT PLACEMENT STOPPED FOR (1) HOUR OR MORE SHOULD BE STOPPED 1 1/2" BELOW THE TOP OF THE MASONRY UNIT TO PROVIDE A KEY FOR SUBSEQUENT GROUTING
- SEE FOUNDATION PLANS AND WALL SCHEDULE FOR ALL VERTICAL REINFORCING.
- TEMPORARY BRACING AND SHORING OF PIERS DURING CONSTRUCTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- MASONRY CONSTRUCTION MATERIALS AND INSPECTIONS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI-ASCE 530.1)" EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE DOCUMENTS.
- DO NOT APPLY CONCENTRATED LOADS TO MASONRY WALLS FOR AT LEAST (3) DAYS.
- CONTRACTOR SHALL PROVIDE MOISTURE PROTECTION OF PIER DURING INCLEMENT WEATHER.
- DO NOT GROUT UNTIL MORTAR HAS SET SUFFICIENTLY TO WITHSTAND THE PRESSURE OF THE GROUT. WAIT NOT LESS THAN 24 HOURS.
- WAIT A MINIMUM OF 40 MINUTES BEFORE PLACING NEW GROUT ON A PREVIOUS LIFT.
- MAXIMUM WALL HEIGHT FROM TOP OF PREVIOUS GROUT POURS LAID UP AT ONE TIME SHALL BE 12'-0".
- THE MINIMUM CONTINUOUS UNOBSTRUCTED CLEAR AREA IN CELL TO RECEIVE GROUT MUST BE NOT LESS THAN 3"X3". MORTAR FINS MUST BE REMOVED AS BLOCKS PLACEMENT PROCEEDS. MORTAR DROPPINGS MUST BE KEPT OUT OF CELLS WHICH ARE TO BE GROUTED.

LEGEND

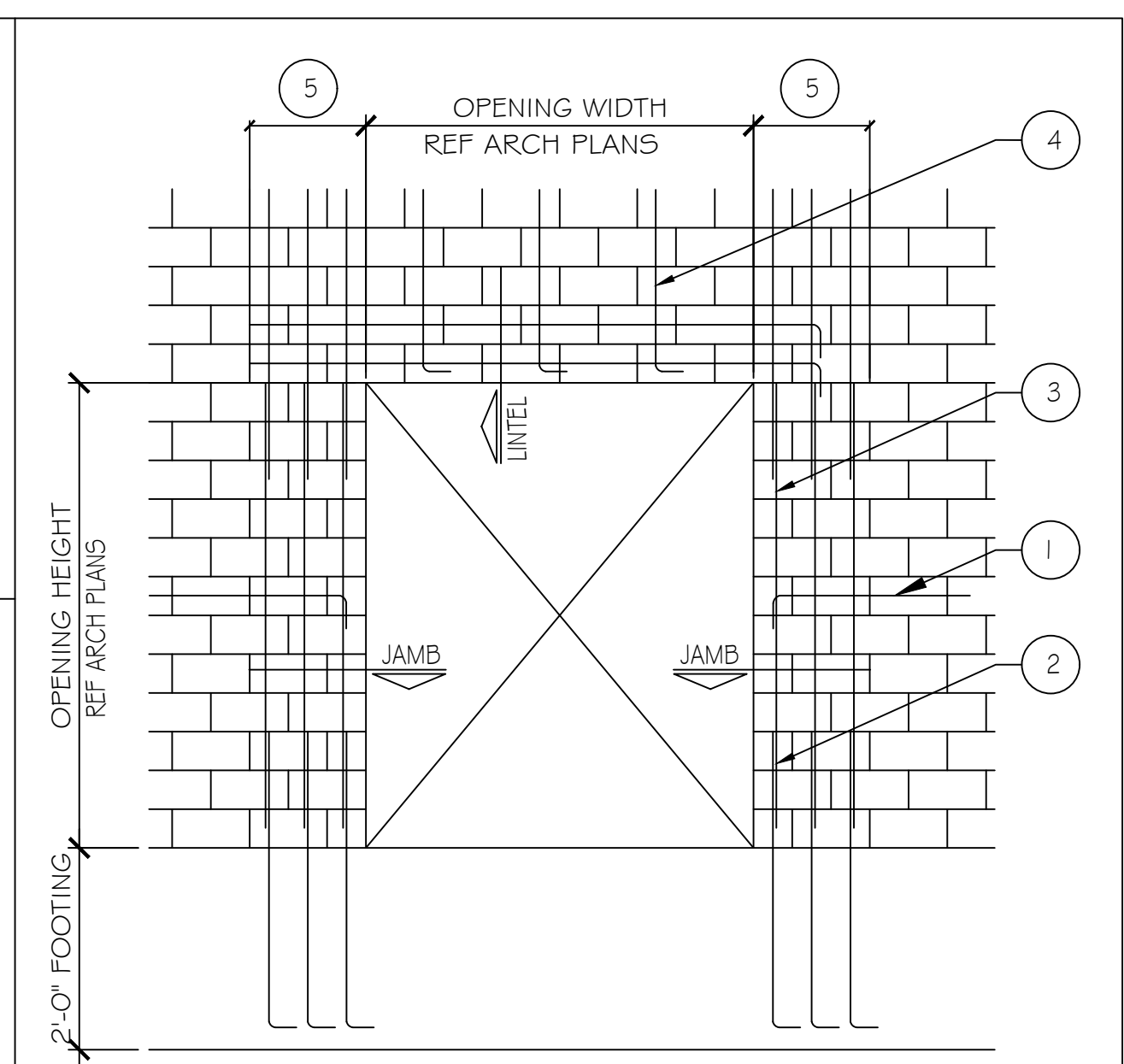
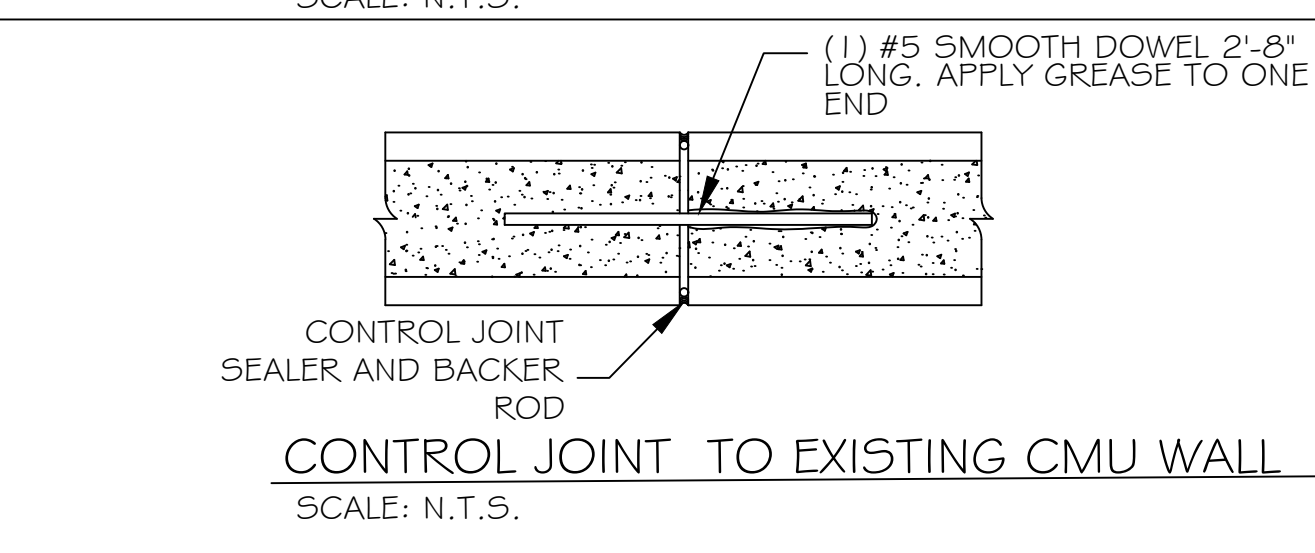
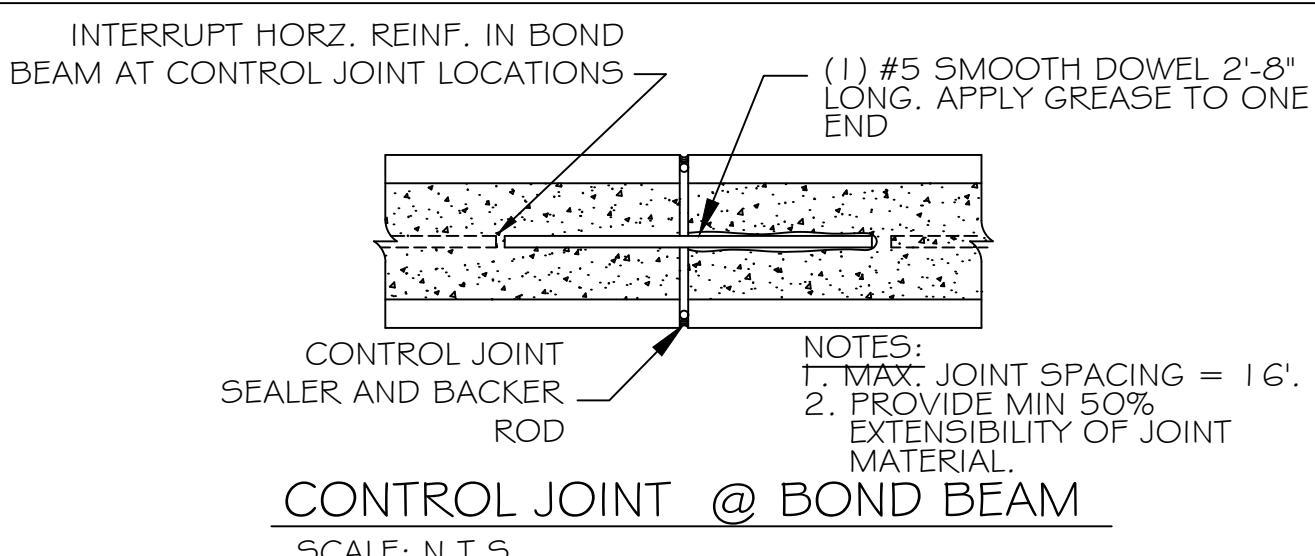
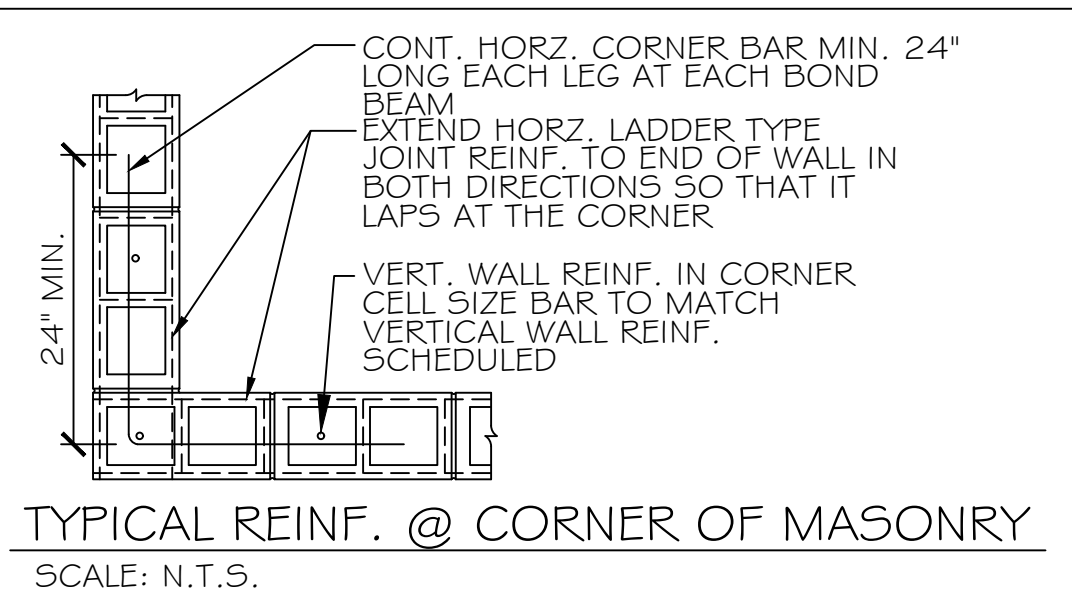
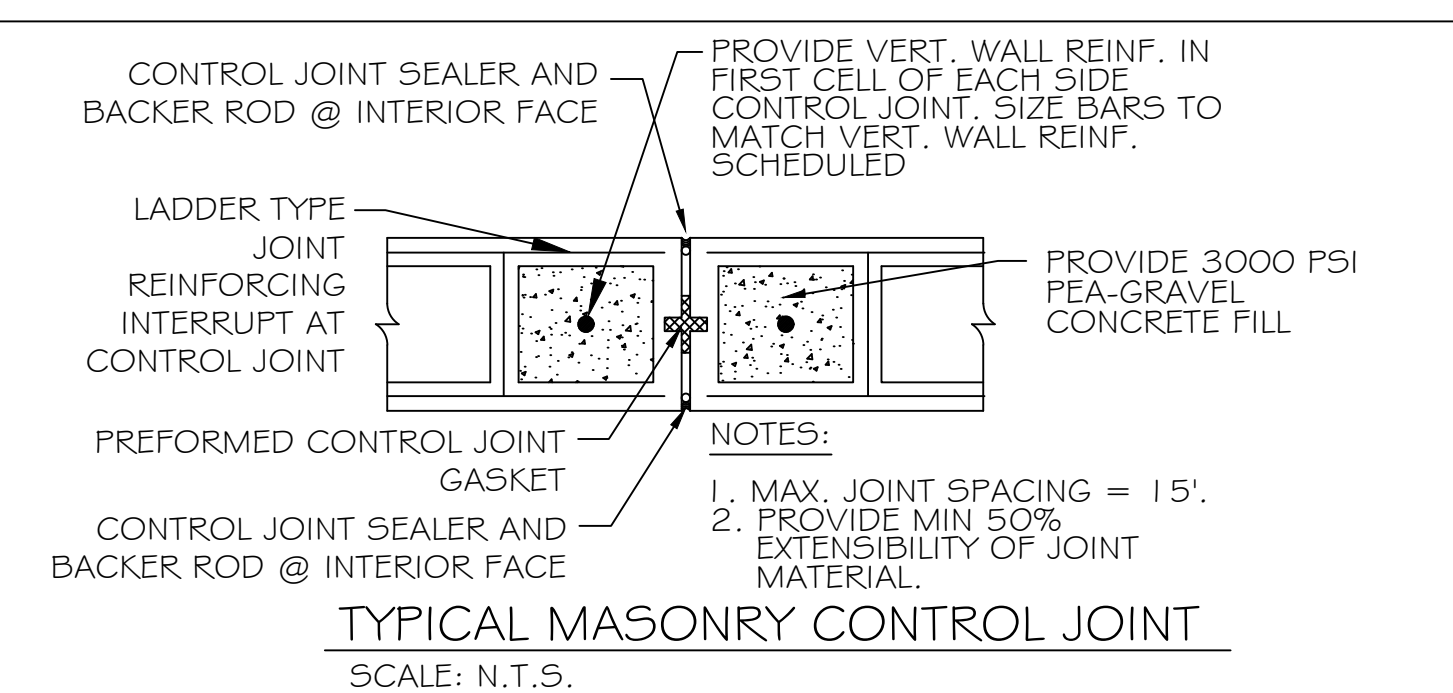
- INDICATES CONTINUOUS NO. 5 VERTICAL REINF. W/ 3000 PSI CONCRETE FILL.
- INDICATES MASONRY CONTROL JOINT. SEE DETAIL THIS SHEET

CMU LINTEL SCHEDULE

WIDTH (W)	CLEAR SPAN	DEPTH (D)	HORZ. REINF.
8" TYP AT ALL CMU WALLS	UP TO 3'-4"	8"	(1) #6 BOTTOM
	UP TO 6'-4"	16"	(1) #6 T&B
	UP TO 14'-0"	24"	(2) #6 T&B

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PROVIDE 3000 PSI PEA-GRAVEL CONCRETE FILL FOR ALL LINTELS.



- NOTES:**
- WHERE HORIZ. REINFORCEMENT IS INTERRUPTED BY OPENING OR CONTROL JOINT PROVIDE STANDARD ACI HOOK WITH VERT. WALL REINF. AT END CELL.
 - ALL VERT. BARS AT DOOR JAMBS TO BE FULL HEIGHT.
 - CONTINUE VERT. WALL REINF. OVER OPENING. ANCHOR VERT. REINF. INTO LINTEL BEAM WITH STANDARD ACI HOOK.
 - EXTEND LINTEL A MIN. 2'-0" BEYOND FACE OF OPENING EACH SIDE FOR STRAIGHT LINTEL REINF. AND 1'-0" FOR LINTEL REINF. WITH STANDARD ACI HOOK.

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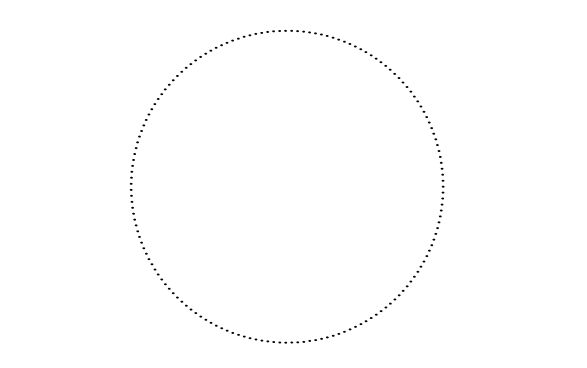
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RENOVATION AND ADDITION
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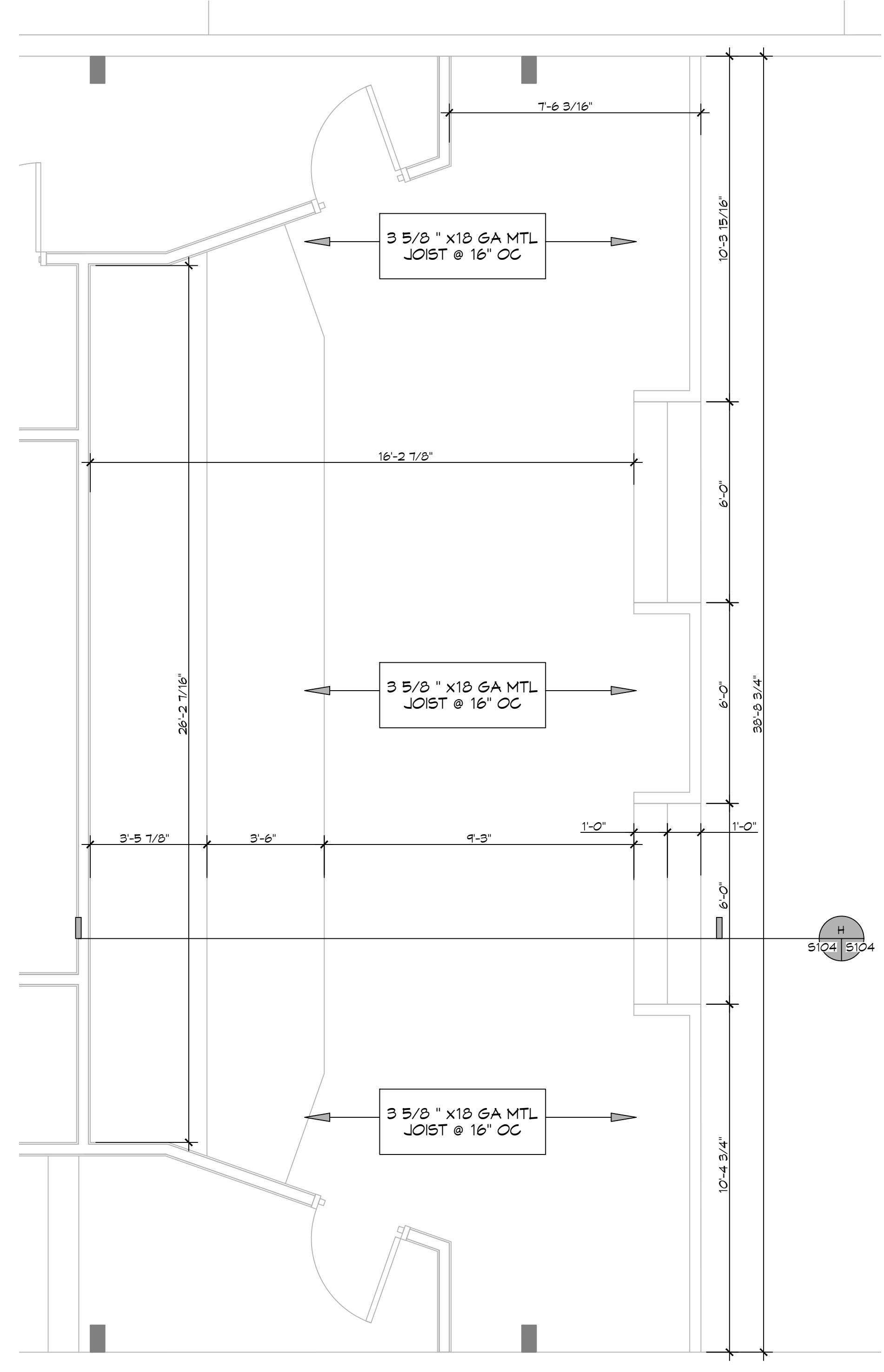
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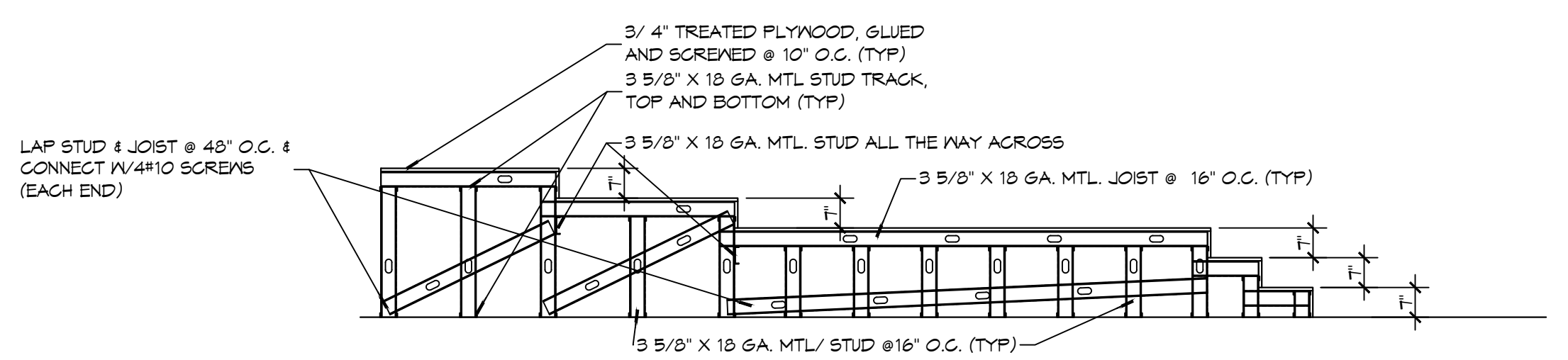


BUILDING SECTION

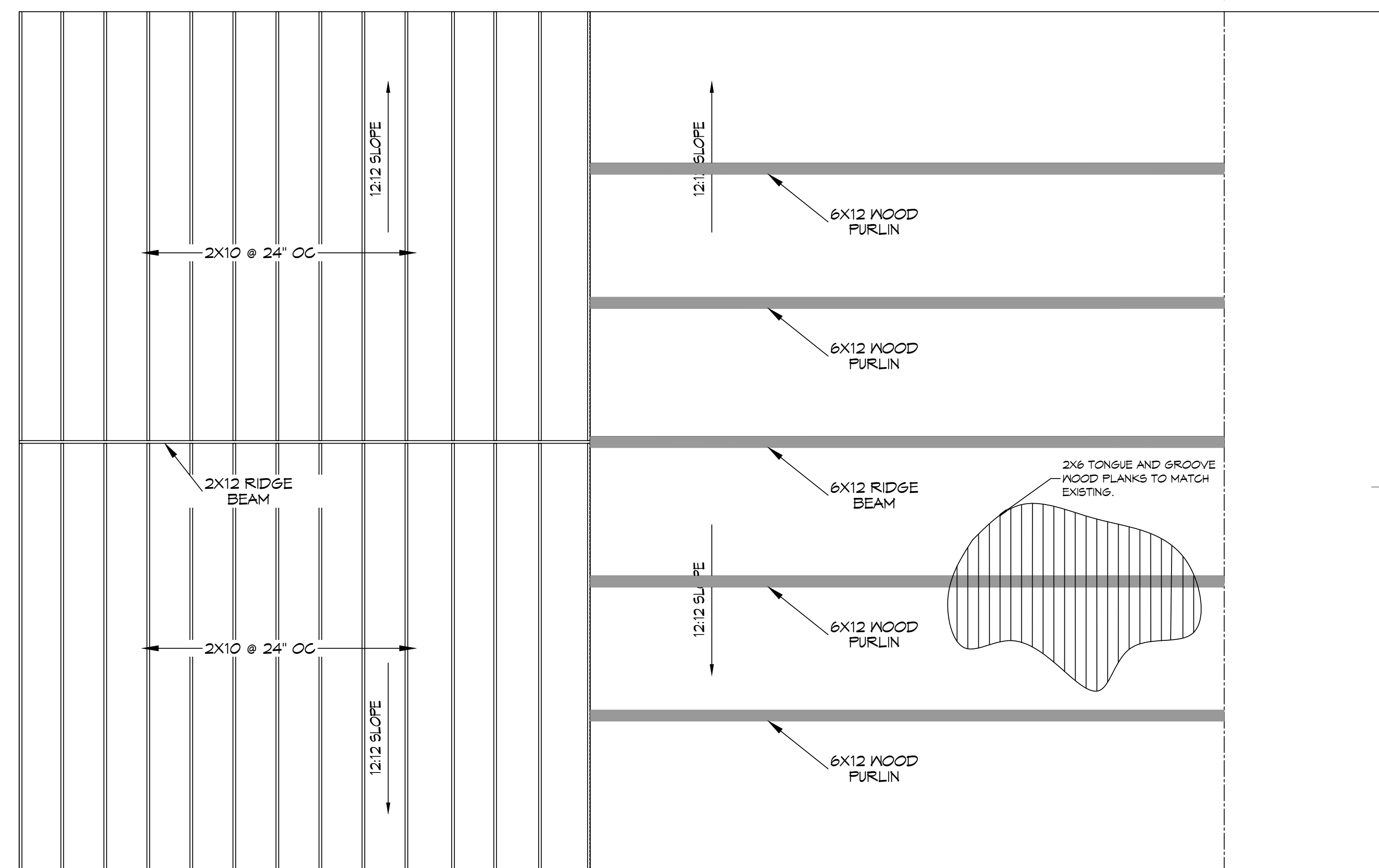
S104



10 PULPIT FRAMING PLAN
 SCALE: 3/8" = 1'-0"
 PULPIT



H SECTION
 SCALE: 3/8" = 1'-0"
 S104 S104



11 CHURCH ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"
 NEW ROOF

TABLE S601.7 - UPLIFT CONNECTIONS - 150 MPH WINDS EXP "C"
NFCM 2015 TABLE 3.2

CONNECTION	FRAMING SPACING (INCHES)	ROOF SPAN (FEET)	UPLIFT	LATERAL	SHEAR	NUMBER OF 8d COMMON NAILS OR 10d BOX NAILS IN EACH END OF 1-1/4"X20 GAGE STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" OC	16	40T	292	152R	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	219	436	4

TABLE S601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 150 MPH WIND EXP "C"
NFCM 2015 TABLE 3.2C

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)
UPLIFT LOADS	1 - 3 STORIES	8" END ZONES 25 INCHES ON CENTER 30 INCHES ON CENTER

NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

TABLE S601.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 150 MPH WIND EXP "C"
NFCM 2015 TABLE 3.2B

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)
UPLIFT LOADS	4 STORY	5/8" Ø ANCHOR BOLTS 48 INCHES ON CENTER W/3X3X1/4" WASHER

TABLE S601.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"
NFCM 2015 TABLE 3.23C

HEADER SPAN (FEET)	WALL SPACING (INCHES)		
	12" O.C.	16" O.C.	24" O.C.
2	1	1	1
4	2	2	1
6	3	3	2
8	4	3	2

TABLE S601.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)													
		12 FEET				24 FEET				36 FEET					
		3"	4.5"	5"	6.5"	3"	4.5"	5"	6.5"	3"	4.5"	5"	6"		
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1	1	1
	10	1	1	1	1	2	2	1	1	3	2	2	2	2	1
	12	1	1	1	1	2	2	2	1	3	2	2	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2	2	2
	16	2	2	1	1	3	2	2	2	4	3	3	2	2	2
	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2	2	2
6	2	1	1	1	3	2	2	2	4	3	2	2	2	2	
8	2	2	1	1	3	2	2	2	5	3	3	3	3	3	
10	2	2	2	1	4	3	3	2	6	4	4	3	3	3	
12	3	2	2	2	5	3	3	3	7	5	4	4	4	4	
14	3	2	2	2	6	4	4	3	8	5	5	4	4	4	
16	4	3	2	2	6	4	4	3	9	6	6	5	5	5	

TABLE S601.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS
NFCM 2015 TABLE 3.22F

HEADER WIDTH - 3" (2-2X), 4.5" (3-2X), 5", 6.5" (4-2X) EACH W/ 1/2" PLYWOOD SPACER BETWEEN	ROOF LIVE LOAD 20 PSF				ROOF LIVE LOAD 30 PSF				
	3"	4.5"	5"	6.5"	3"	4.5"	5"	6.5"	
	NUMBER OF JACK STUDS REQUIRED								
ROOF AND CEILING	2	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1
	8	2	2	2	1	2	2	2	1
	10	3	2	2	2	3	2	2	2
	12	3	2	2	2	3	2	2	2
	14	4	3	2	2	4	3	2	2
	16	4	3	3	2	4	3	3	2
	2	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1
6	2	2	2	1	3	2	2	2	
8	3	2	2	2	3	2	2	2	
10	4	3	2	2	4	3	3	2	
12	4	3	3	2	5	3	3	3	
14	5	4	3	3	5	4	3	3	
16	6	4	4	3	6	4	4	3	

TABLE S601.3 - NAILING SCHEDULE
NFCM 2015 TABLE 3.1

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
HEADER TO HEADER (FACE NAILED)	16d	16d	16" OC EDGES

TABLE S601.4 - BUILDING ENVELOPE REQUIREMENTS

ROOFS	OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
METAL BUILDING	INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 c.i.
METAL BUILDING	METAL BUILDING	U-0.085	R-19
METAL BUILDING	ATTIC AND OTHER	U-0.021	R-38
STEEL-FRAMED	MASS	U-0.151	R-5.7 c.i.
WOOD-FRAMED AND OTHER	METAL BUILDING	U-0.113	R-13.0
MASS	STEEL-FRAMED	U-0.124	R-13.0
STEEL JOIST	WOOD-FRAMED AND OTHER	U-0.084	R-13.0
WOOD FRAMED AND OTHER	MASS	U-0.101	R6-9 c.i.
UN-HEATED	STEEL JOIST	U-0.052	R-19.0
SNOWING	WOOD FRAMED AND OTHER	U-0.051	R-19.0
NON-SNOWING	UN-HEATED	F-0.130	NR
NON-SNOWING	SNOWING	U-0.100	NR
NON-SNOWING	NON-SNOWING	U-1.450	NR

ROOF UNDERLAYMENT NOTES

- FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 - APPLY A 14 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 14 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
- FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 - UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

SHINGLE APPLICATION & FASTENING NOTES

- ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:
 - THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR HIGHER ABOVE GRADE.
 - THE BASIC WIND SPEED IS 120 MPH OR GREATER.
 - SPECIAL WIND ZONES.

METAL ROOF APPLICATION & FASTENING NOTES

- INSTALL METAL ROOF PER MANUFACTURER'S RECOMMENDATIONS FOR 150MPH WIND SPEED.

GENERAL UPLIFT CONNECTION NOTES

ROOF ASSEMBLY TO WALL ASSEMBLY: UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.10.

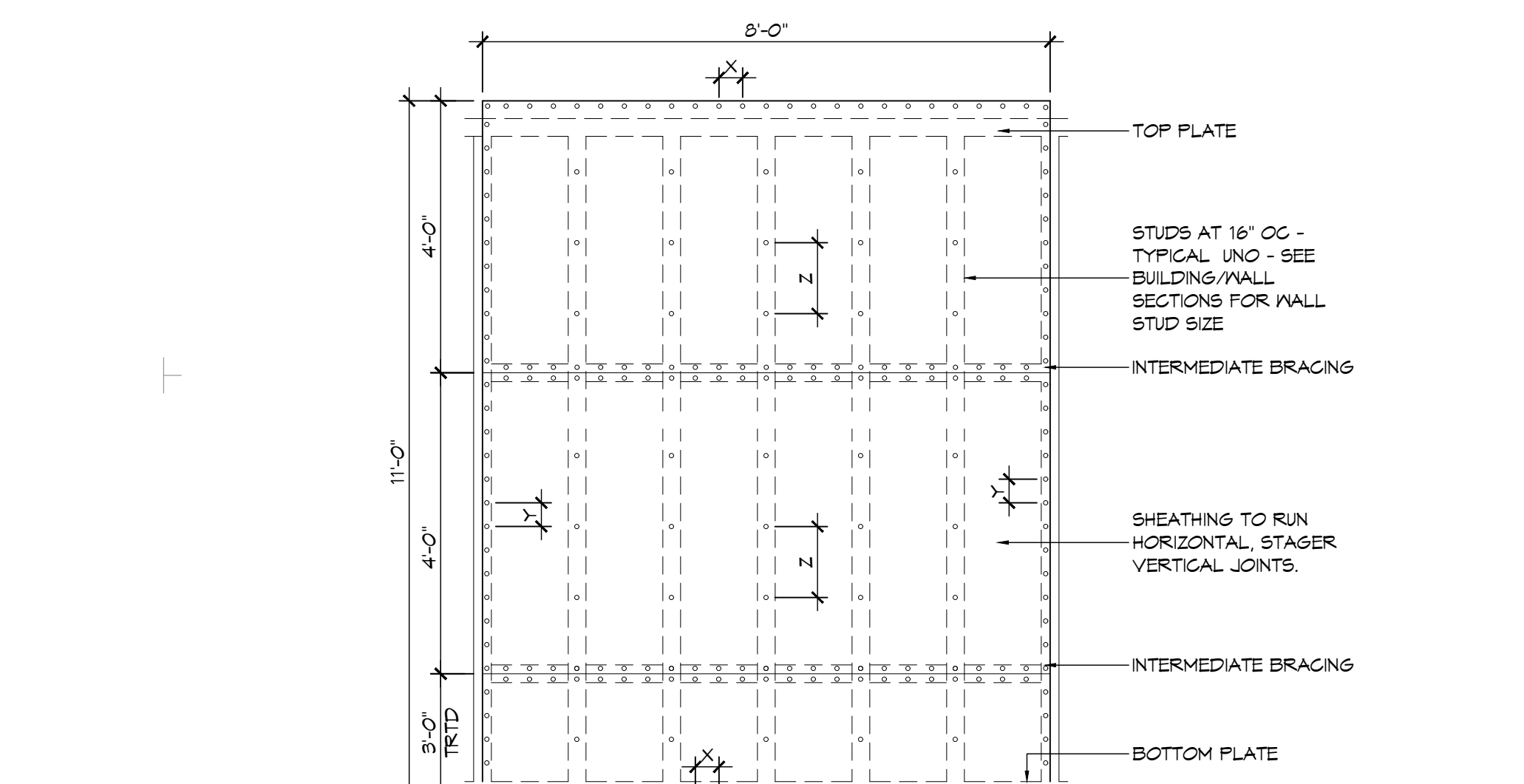
WALL ASSEMBLY TO WALL ASSEMBLY: STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.11.

WALL ASSEMBLY TO FOUNDATION: FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" X 20 GA. ASTM A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 1 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE. 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM 5185 OR 2450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.12.

TABLE S601.1 - ROOF SHEATHING ATTACHMENT REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	6
	16" OC	4	4
	24" OC	3	3

150 MPH WIND - EXPOSURE "C" TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

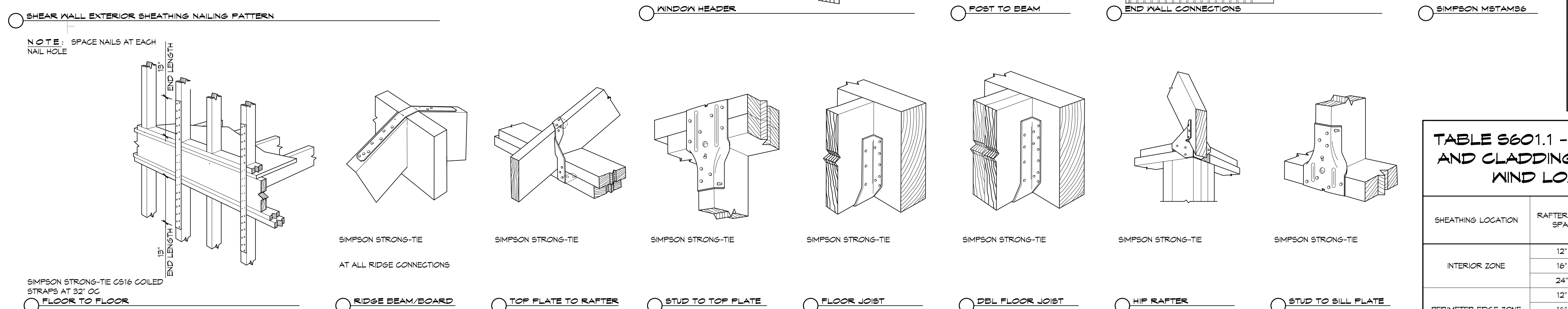
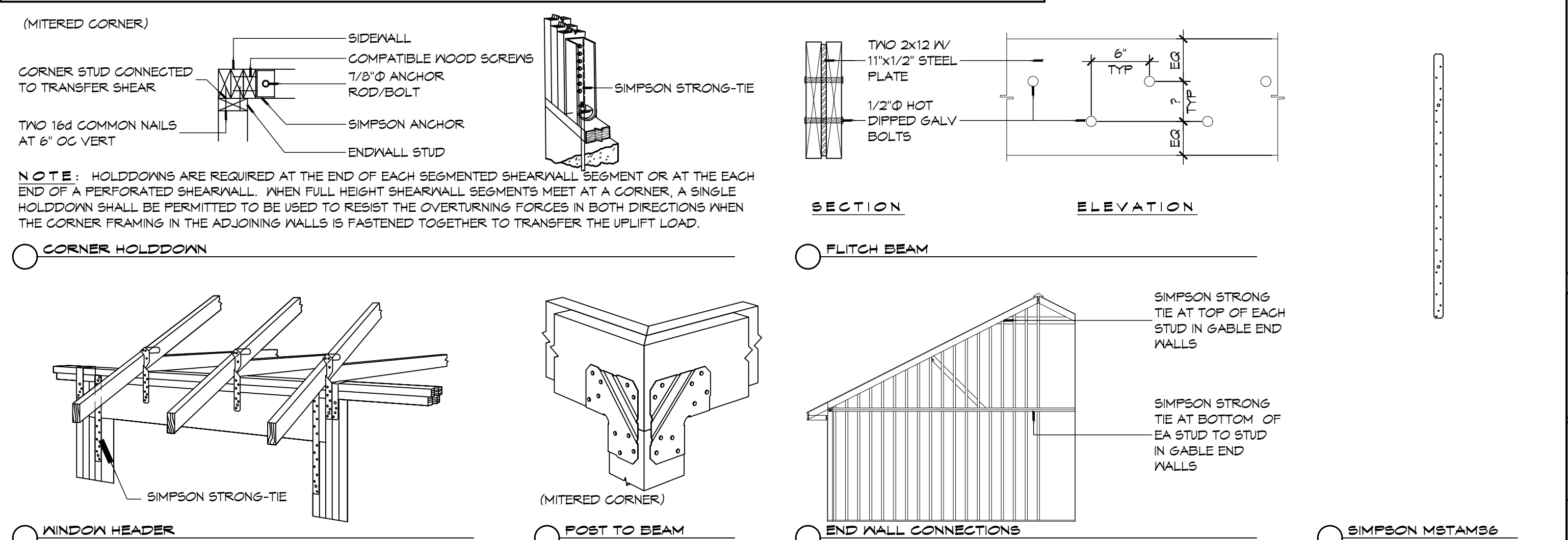


NAIL SPACING
X = 4" OC
Y = 4" OC
Z = 12" OC

X = PLATE EDGE NAIL SPACING
Y = LONG EDGE NAIL SPACING
Z = FIELD NAIL SPACING

INTERIOR SHEATHING
1/2" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" O.C. FASTENING @ PANEL EDGES 8d NAILS @ 12" O.C. FASTENING @ INTERMEDIATE MEMBERS.

EXTERIOR SHEATHING
1/2" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" O.C. FASTENING @ PANEL EDGES 8d NAILS @ 12" O.C. FASTENING @ INTERMEDIATE MEMBERS.



TYPICAL CONNECTION DETAILS
SCALE: NTS

TABLE S601.1 - WALL SHEATHING AND CLADDING REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	6
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	6

150 MPH WIND - EXPOSURE "C" TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

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SHEET TITLE
TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

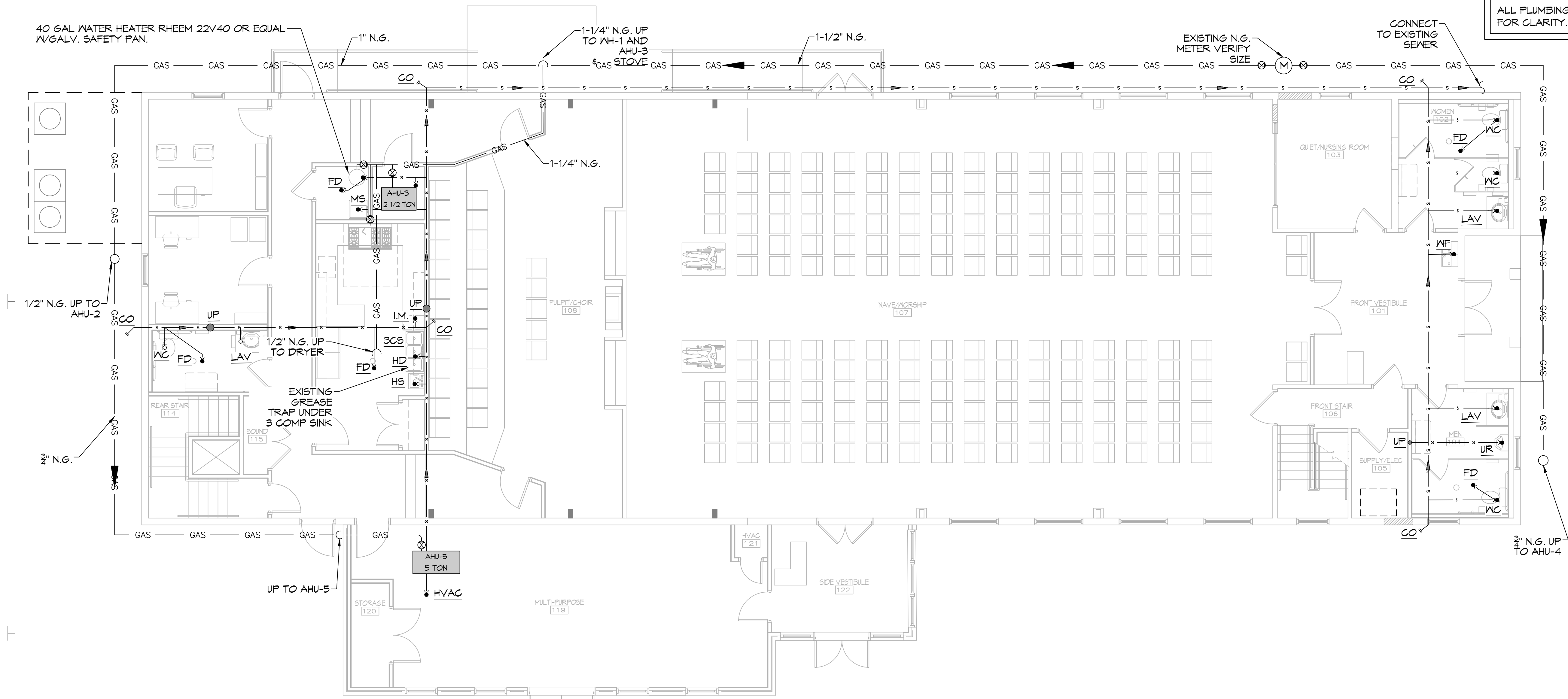
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S105

SHEET OF

**THE SIXTH BAPTIST CHURCH
 RENOVATION AND ADDITION**
 928 FELICITY STREET
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ALL PLUMBING LINES ARE DRAWN DIAGRAMMATICALLY FOR CLARITY.



12 SEWER & GAS PLUMBING PLAN
 SCALE: 3/16"=1'-0"

FIRST FLOOR



13 SEWER & GAS PLUMBING PLAN
 SCALE: 3/16"=1'-0"

SECOND FLOOR

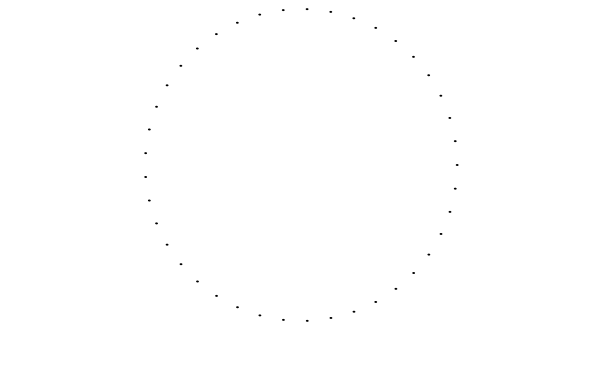
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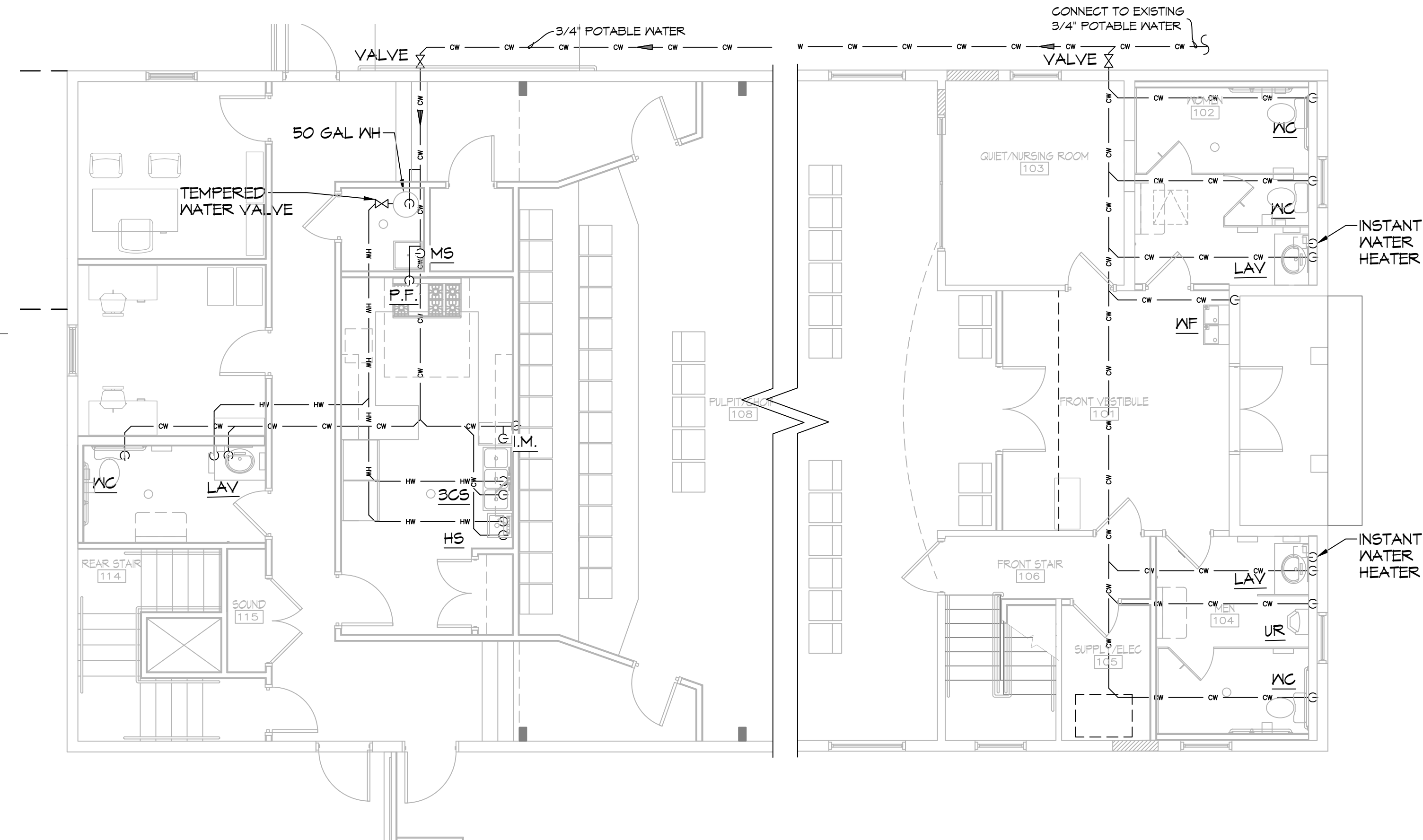
SHEET TITLE
 SEWER AND GAS PLUMBING PLAN - FIRST FLOOR, SECOND FLOOR AND ATTIC
 SHEET NO.

P101

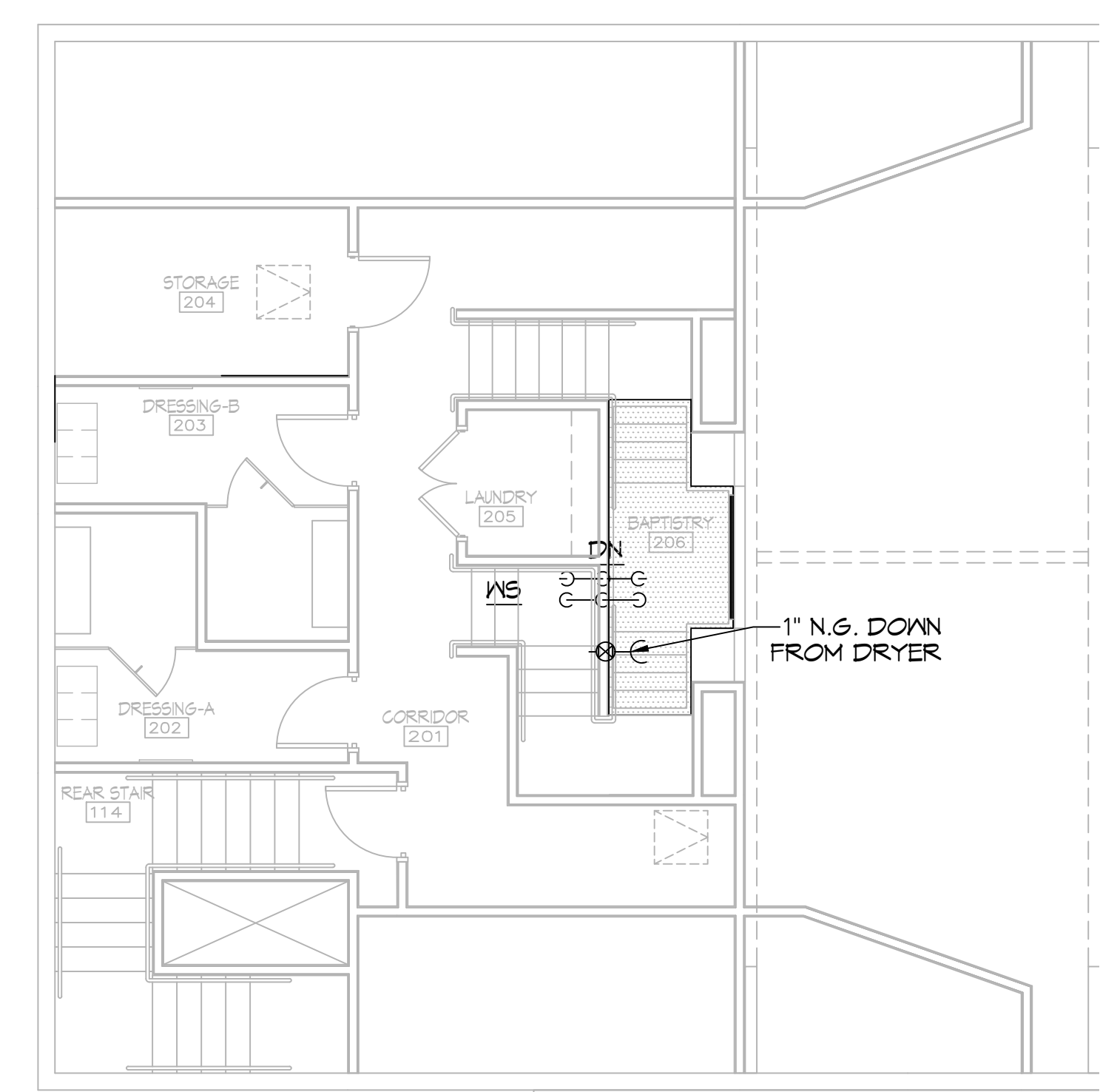
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ALL PLUMBING LINES ARE DRAWN DIAGRAMMATICALLY FOR CLARITY.

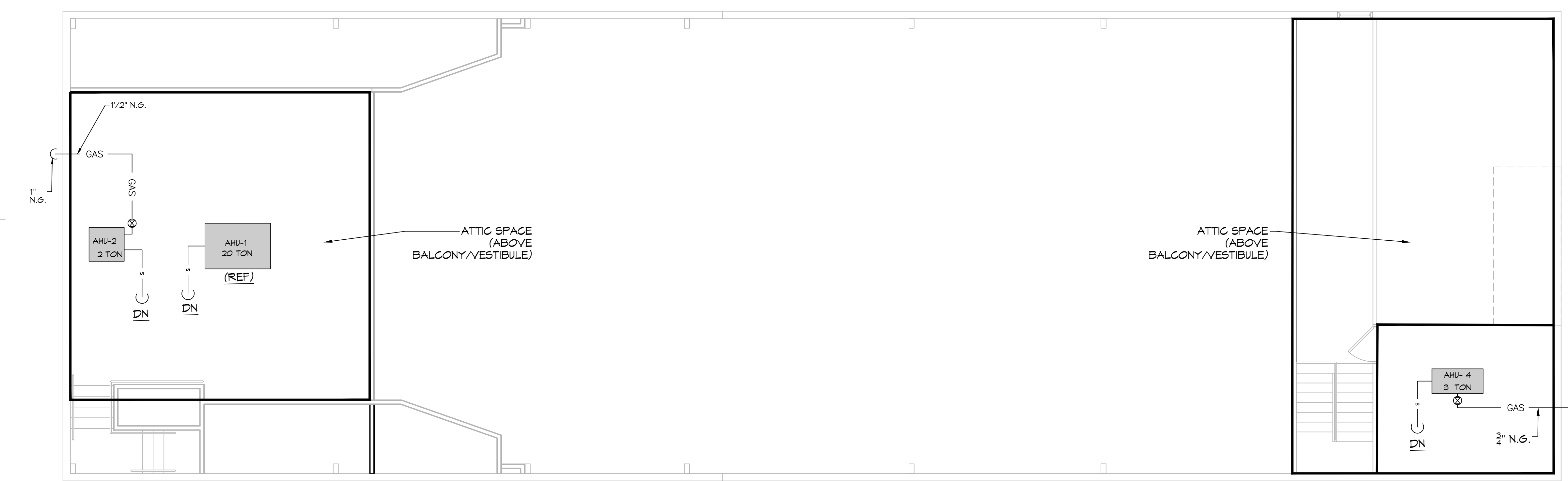
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14 POTABLE WATER PLUMBING PLAN
 SCALE: 3/16"=1'-0"
 FIRST FLOOR



15 POTABLE WATER PLUMBING PLAN
 SCALE: 3/16"=1'-0"
 SECOND FLOOR



16 SEWER & GAS PLUMBING PLAN
 SCALE: 3/16"=1'-0"
 ATTIC

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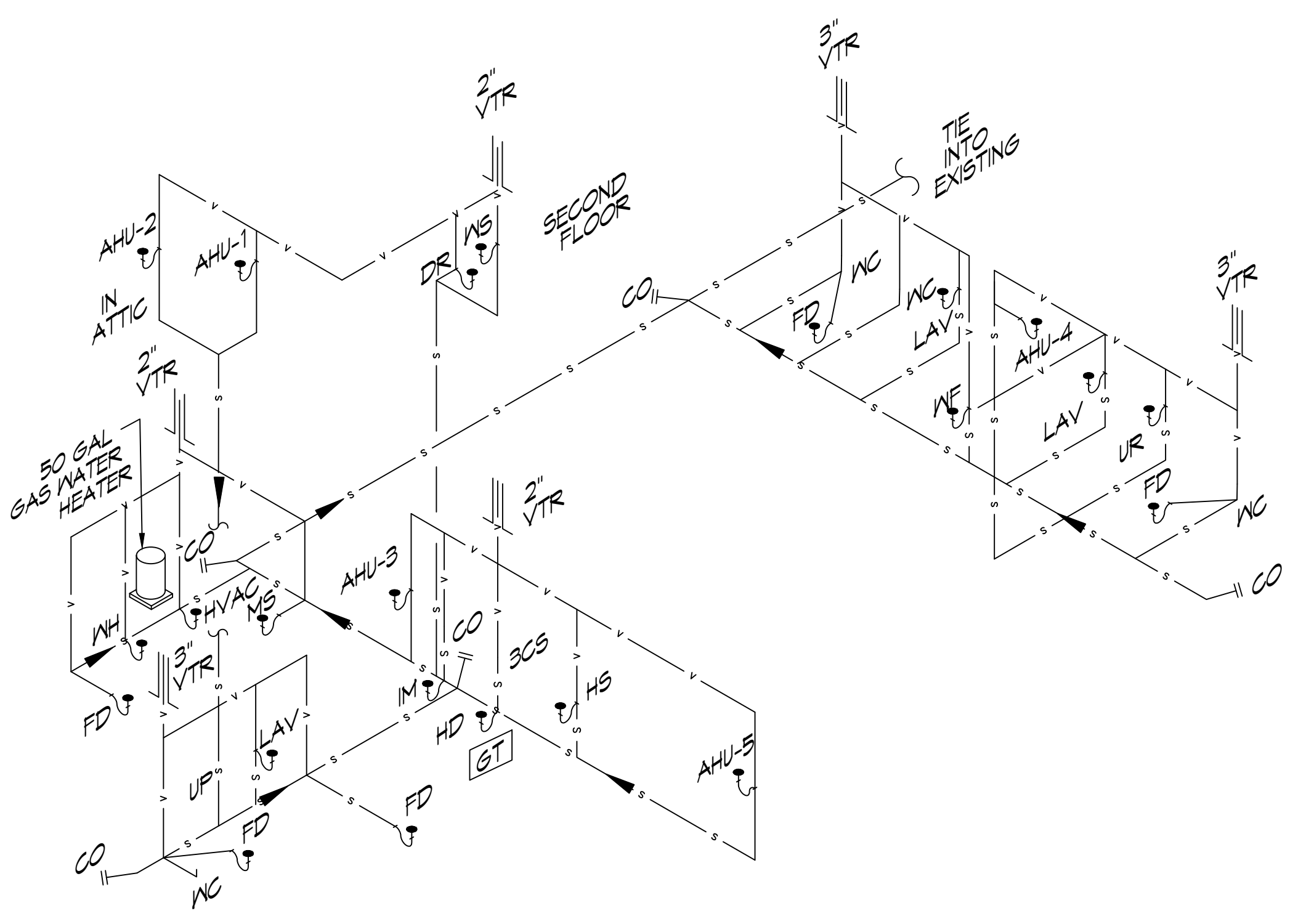
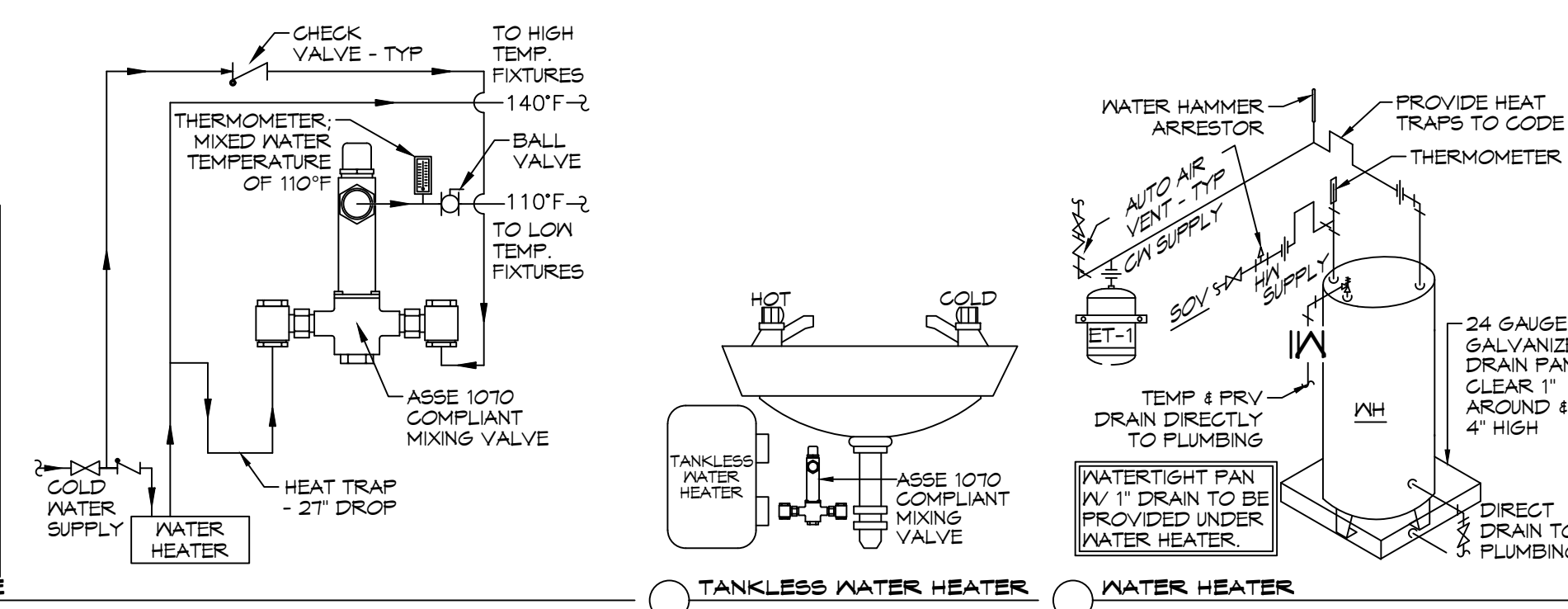
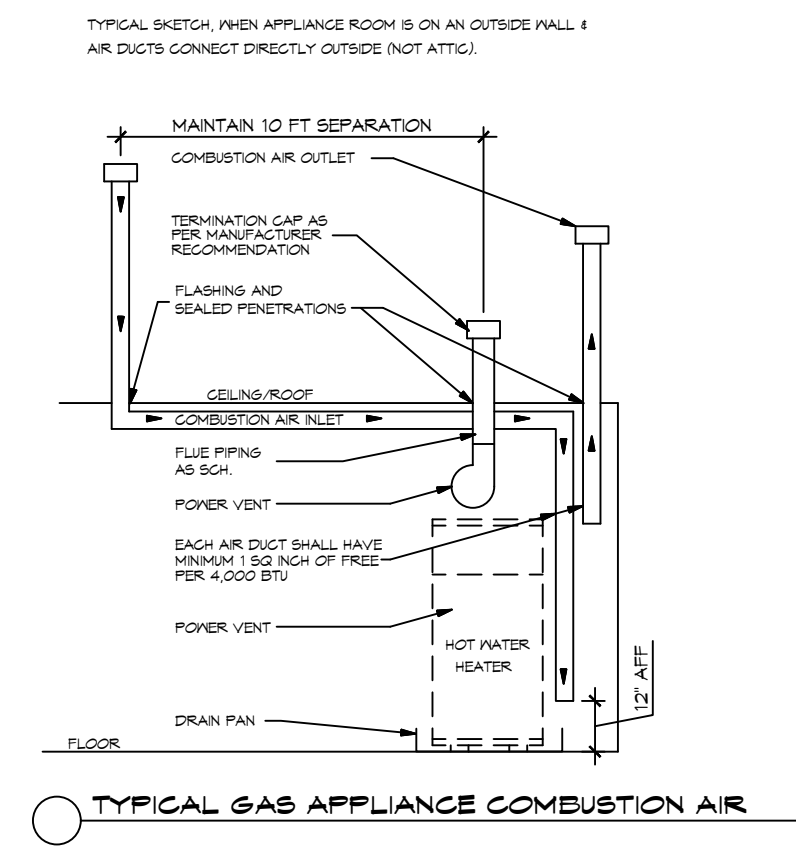
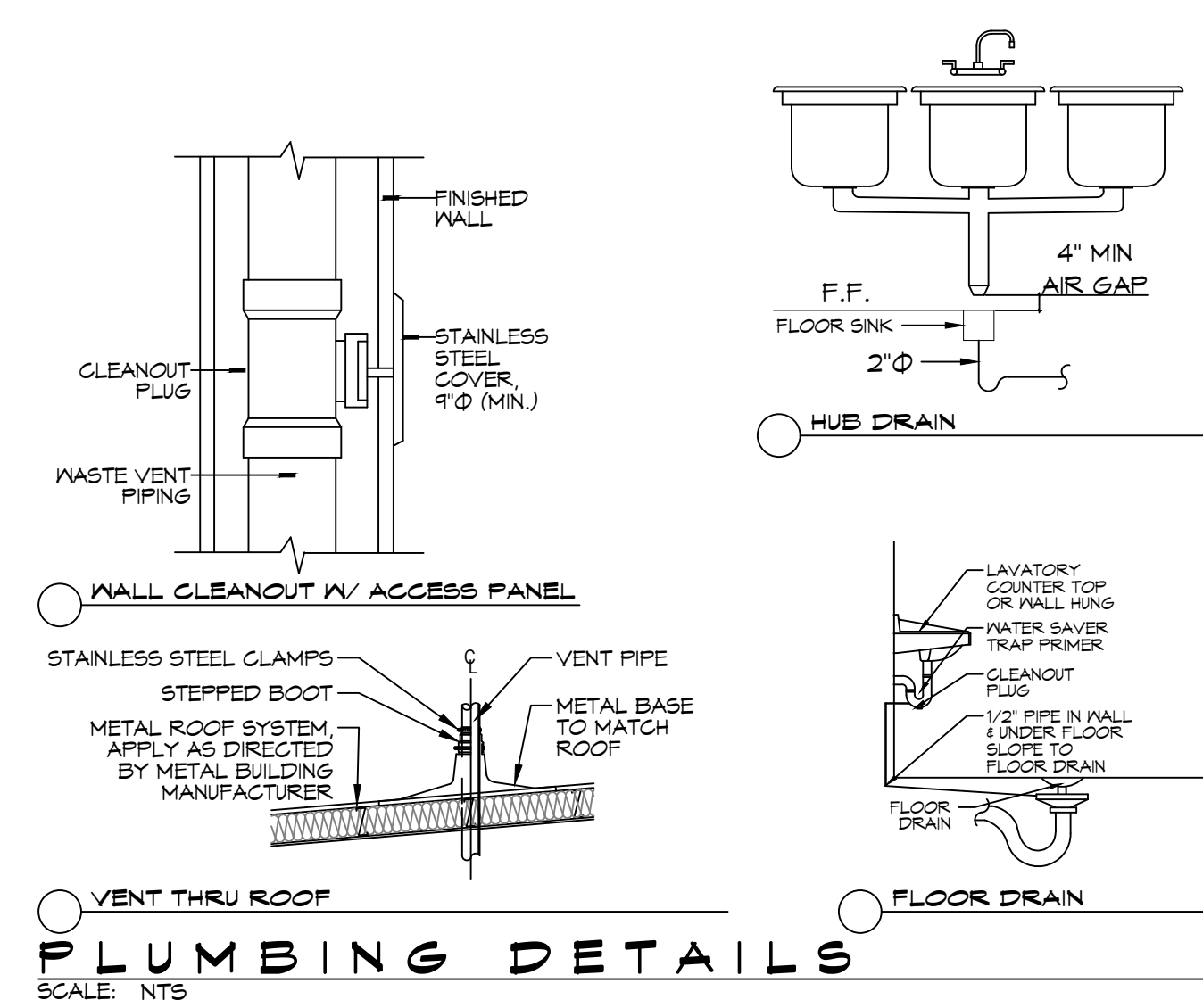
SHEET TITLE
 SEWER, GAS & POTABLE
 WATER PLUMBING PLAN
 AND NOTES

SHEET NO.

**THE SIXTH BAPTIST CHURCH
 RENOVATION AND ADDITION**
 928 FELICITY STREET
 NEW ORLEANS, LOUISIANA 70130

GENERAL PLUMBING NOTES

1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTION, CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
2. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARISH, STATE AND NATIONAL GOVERNING CODES.
3. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
5. SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINE 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
6. TEST ALL PIPING AT REQUIRED PRESSURE.
7. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEMS, MECHANICAL SYSTEMS AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
8. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
9. ALL WATER MAINS AND PIPING NOT RISEOVN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
10. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
11. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L. HARD DRAWN WITH COPPER, PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
12. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWP PIPES AND FITTINGS WHERE PERMITTED BY CODE.
13. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
14. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES (WHEN TESTED IN ACCORDANCE WITH ASTM-E814).)
15. ALL PLUMBING LINES RISEOVN ARE DIAGRAMMATIC.
16. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF WORK.
17. ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
18. CONTRACTOR SHALL PROVIDE TRAP SEAL PRIMERS. FIELD VERIFY LOCATION OF TRAP SEALER VALVE IN ADEQUATELY SIZED LINE WITH CONSISTENT USAGE. PLACE VALVE IN ACCESSIBLE LOCATION FOR MAINTENANCE.
19. REFER TO MANUFACTURER EQUIPMENT CUT-SHEETS FOR FIXTURE MOUNTING DIMENSIONS.
20. CONTRACTOR TO PROVIDE BACKFLOW PREVENTION DEVICES AS REQD ON ALL ICE MACHINES, SODA DISPENSERS & ANY OTHER EQUIPMENT DEEMED APPLICABLE BY GOVERNING CODES.



GENERAL DOMESTIC WATER NOTES

1. PROVIDE CHAMBERS ON ALL DOMESTIC WATER BRANCH PIPING SERVING FIXTURES.
2. PROVIDE ISOLATION VALVES IN HOT AND COLD WATER PIPING TO ALL FIXTURE GROUPS.
3. ALL FIXTURES SHALL BE INSTALLED LEVEL AND TRUE, CENTER FIXTURES WHERE APPLICABLE, FOR INSTANCE WATER CLOSETS IN NON-ADA STALLS.
4. PROVIDE THERMOSTATIC MIXING VALVES TO ALL FIXTURES SUPPLIED WITH HOT WATER. LOCATE VALVE ABOVE CEILING WITH THE HOT WATER PIPED TO THE FIXTURE.

PLUMBING FIXTURE SCHEDULE

MK	DES.	TYPE	ROUGH - IN - SIZE				NOTE
			WASTE	VENT	COLD	HOT	
WC	WATER CLOSET	VALVE	3"	3"	1-1/2"	-	3
UR	URINAL	VALVE	3"	2"	3/4"	-	3
LAV	LAVATORY	WALL HUNG	2"	2"	3/4"	3/4"	1,2,3
FD	FLOOR DRAIN	-	3"	2"	-	-	4
3CS	THREE COMP SINK	-	2"	2"	2-1/2"	2-1/2"	3
HS	HAND SINK	-	3"	2"	3/4"	3/4"	-
HB	HOSE BIB	VALVE	-	-	3/4"	-	-
GWH	WATER HEATER	-	3/4"	2"	3/4"	3/4"	-
AHU	AIR HANDLER DRAIN	-	3/4"	2"	-	-	-

- NOTES:**
1. INSULATE PIPING FOR HANDICAP FIXTURES.
 2. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
 3. H.C. - HANDICAP FIXTURE
 4. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
 5. FIXTURES SELECTED BY OMNER.

LEGEND

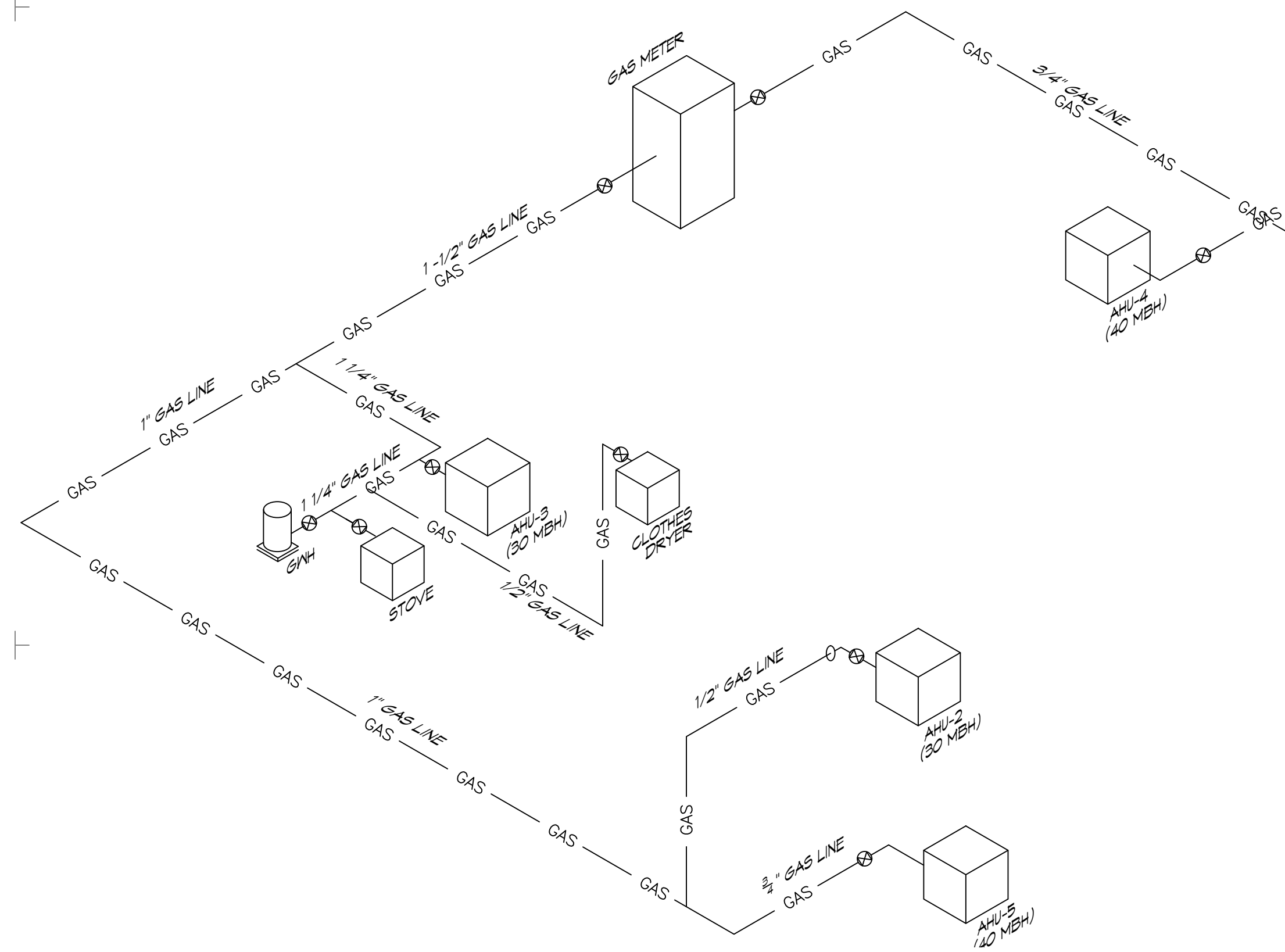
CO - CLEAN OUT	— v — VENTILATION
VTR - VENT THRU ROOF	— s — SEWERAGE
HD - HUB DRAIN	⊗ GATE VALVE
IM - ICE MAKER	
FR - ???????	
DN - DOWN	
WS - WASHER	
MS - MOP SINK	
PF - POT FILLER	
NG - NATURAL GAS	
DR - DRAIN	
MS - MOP SINK	

ALL PLUMBING LINES ARE DRAWN DIAGRAMMATICALLY FOR CLARITY.

GAS EQUIPMENT SCHEDULE

DESCRIPTION	BTU INPUT
RANGE/STOVE	210,000
CLOTHES DRYER	22,000
WATER HEATER	38,000
AHU-2	30,000
AHU-3	30,000
AHU-4	40,000
AHU-5	40,000
TOTAL BTU	470,000

- NOTES:**
1. ALL GAS PIPE SHALL BE SCHEDULE 40 BLACK STEEL PIPE. ALL PIPE INSTALLED ON ROOF SHALL BE SUPPORTED ON A PIPE PIER SUPPORT SYSTEM. WOOD BLOCKING NOT ALLOWED.
 2. ALL GAS PIPING IS SIZED FOR A LOW PRESSURE SYSTEM. (< 2 psig OR LESS AND A PRESSURE DROP OF 0.5in. OF WATER COLUMN.)



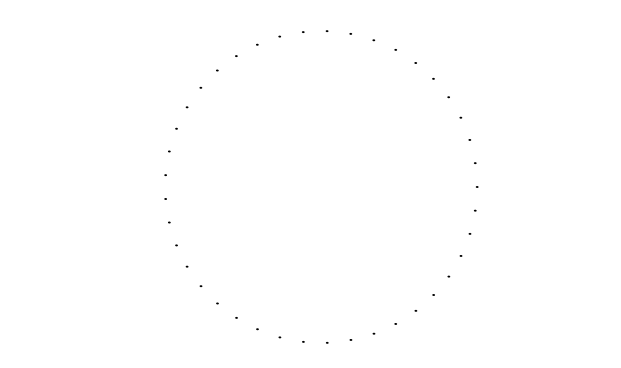
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SHEET TITLE
 RISER DIAGRAM & DETAILS

SHEET NO.

**THE SIXTH BAPTIST CHURCH
 RENOVATION AND ADDITION**
 928 FELICITY STREET
 NEW ORLEANS, LOUISIANA 70130

GENERAL NOTES

1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WRAPPED WITH FIBROUS GLASS DUCT WRAP WITH FSK VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE UL LISTED 125°F FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
10. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
11. EXHAUST FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCHITECTURAL DRAWINGS.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
17. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE GALLED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E8-14).
18. ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
19. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0". SUPPORT FLEX DUCT TO PREVENT SAGGING.
20. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
21. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
22. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL A.H.J.S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
23. FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
24. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
25. COORDINATE WALL MOUNTED THERMOSTAT LOCATIONS WITH ALL OWNER FURNISHED ITEMS EITHER WALL MOUNTED OR FLOOR MOUNTED AGAINST PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS.

DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT PRIOR TO FABRICATION.

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MECHANICAL LEGEND

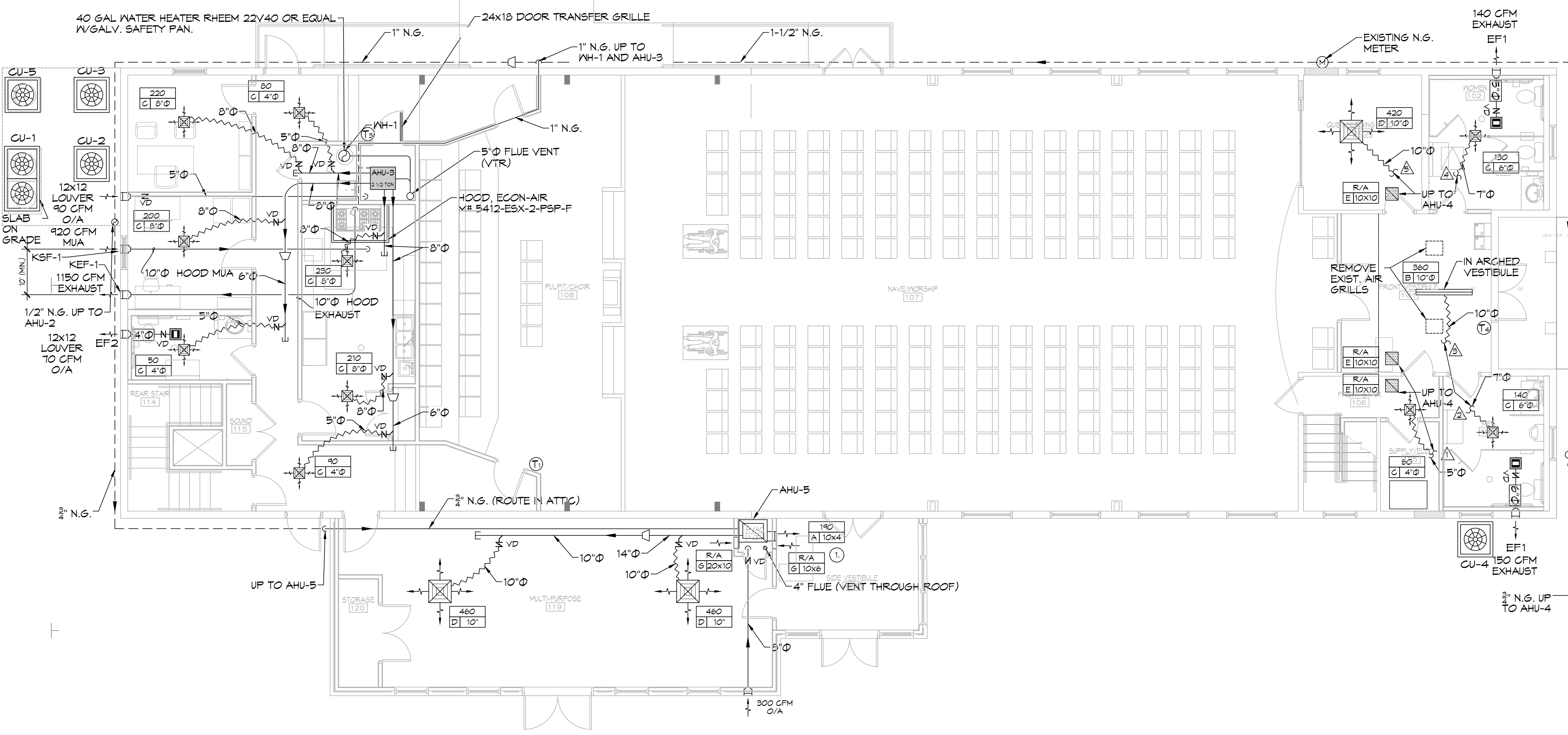
	SUPPLY AIR GRILLE		EXHAUST FAN
	RETURN AIR GRILLE		EXHAUST MOTOR
	Z DAMPER CONTROL		THERMOSTAT
	SUPPLY DUCT		FIRE DAMPENER
	CFM		ROUND FLEX DUCT, MAX. LENGTH 12'-0". MIN. R-6. DUCT SIZE AS FOLLOWS: 250 CFM TO 350 CFM = 9" 200 CFM TO 250 CFM = 8" 150 CFM TO 200 CFM = 7" 100 CFM TO 150 CFM = 6"
	MK SIZE	N.G.	NATURAL GAS
		M.A.U.	MAKE UP AIR

1. INSTALL R/A GRILLE 8" ABOVE FINISHED FLOOR

SHEET TITLE: MECHANICAL PLAN, FIRST & SECOND FLOOR

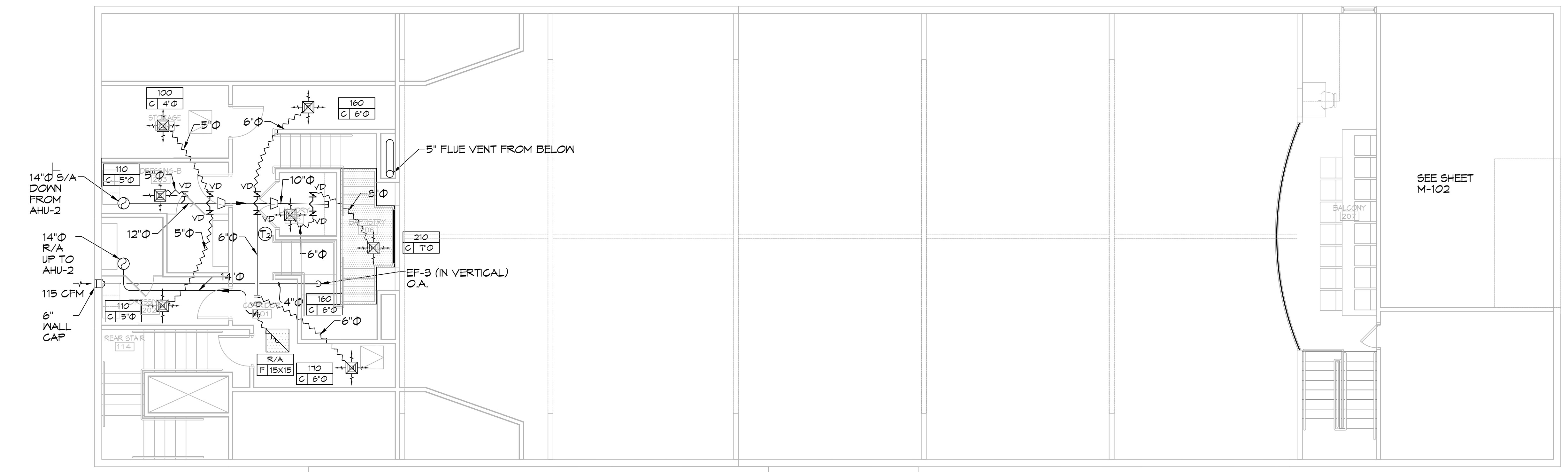
SHEET NO.

SHEET OF



19 MECHANICAL PLAN
 SCALE: 3/16"=1'-0"

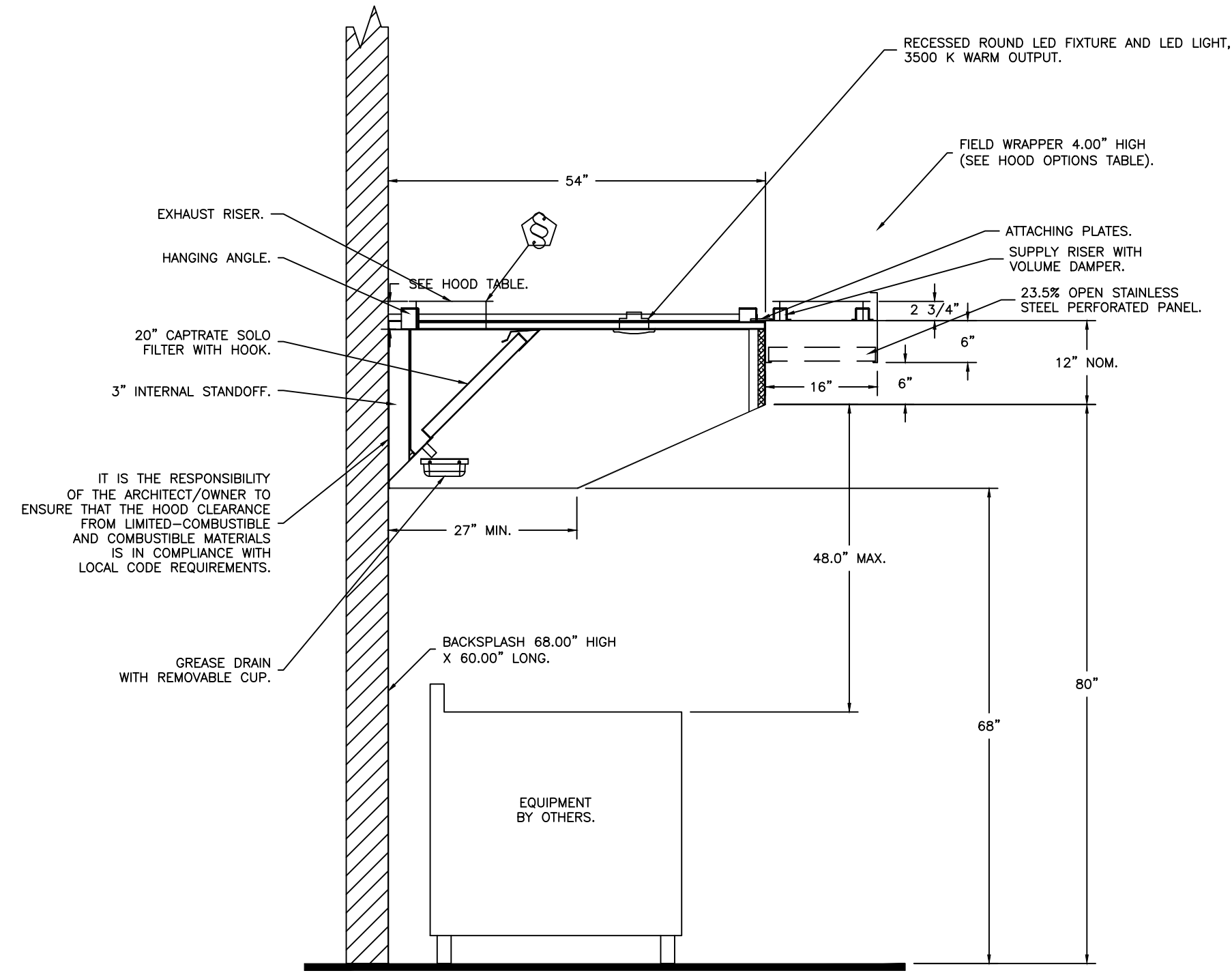
FIRST FLOOR



20 MECHANICAL PLAN
 SCALE: 3/16"=1'-0"

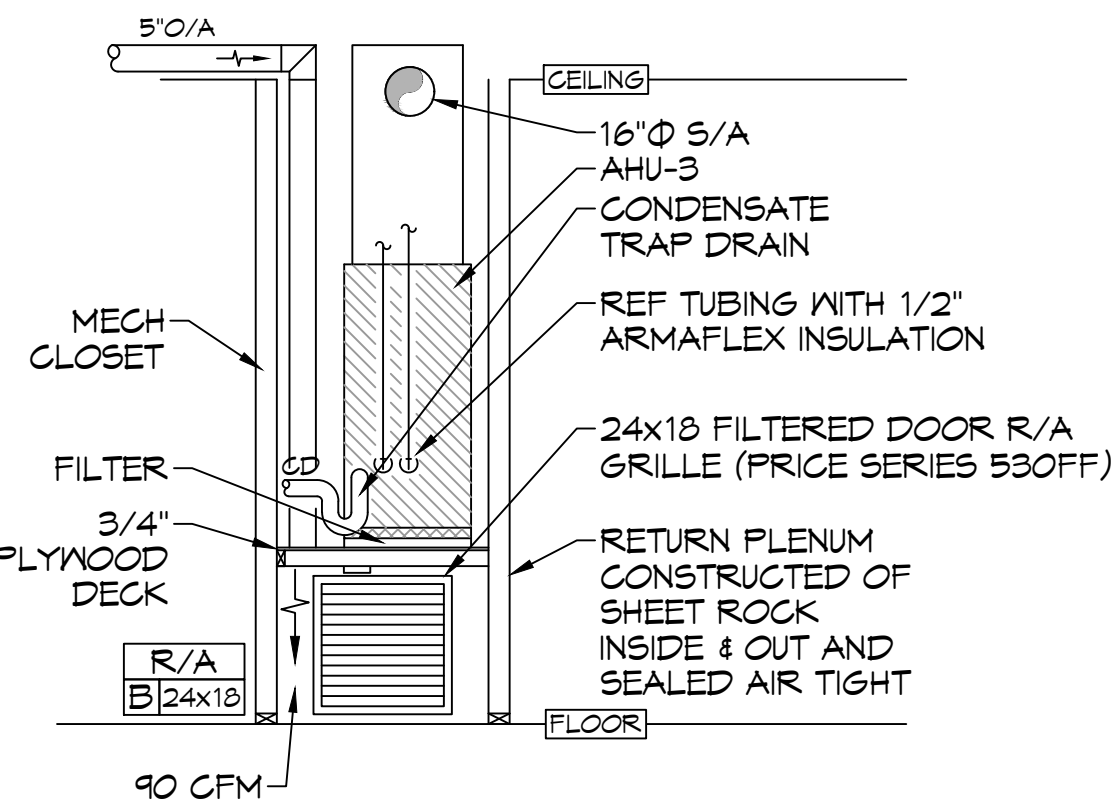
SECOND FLOOR

DRAWN DIAGRAMMATICALLY FOR
CLARITY. FIELD VERIFY
PLACEMENT OF ALL EQUIPMENT



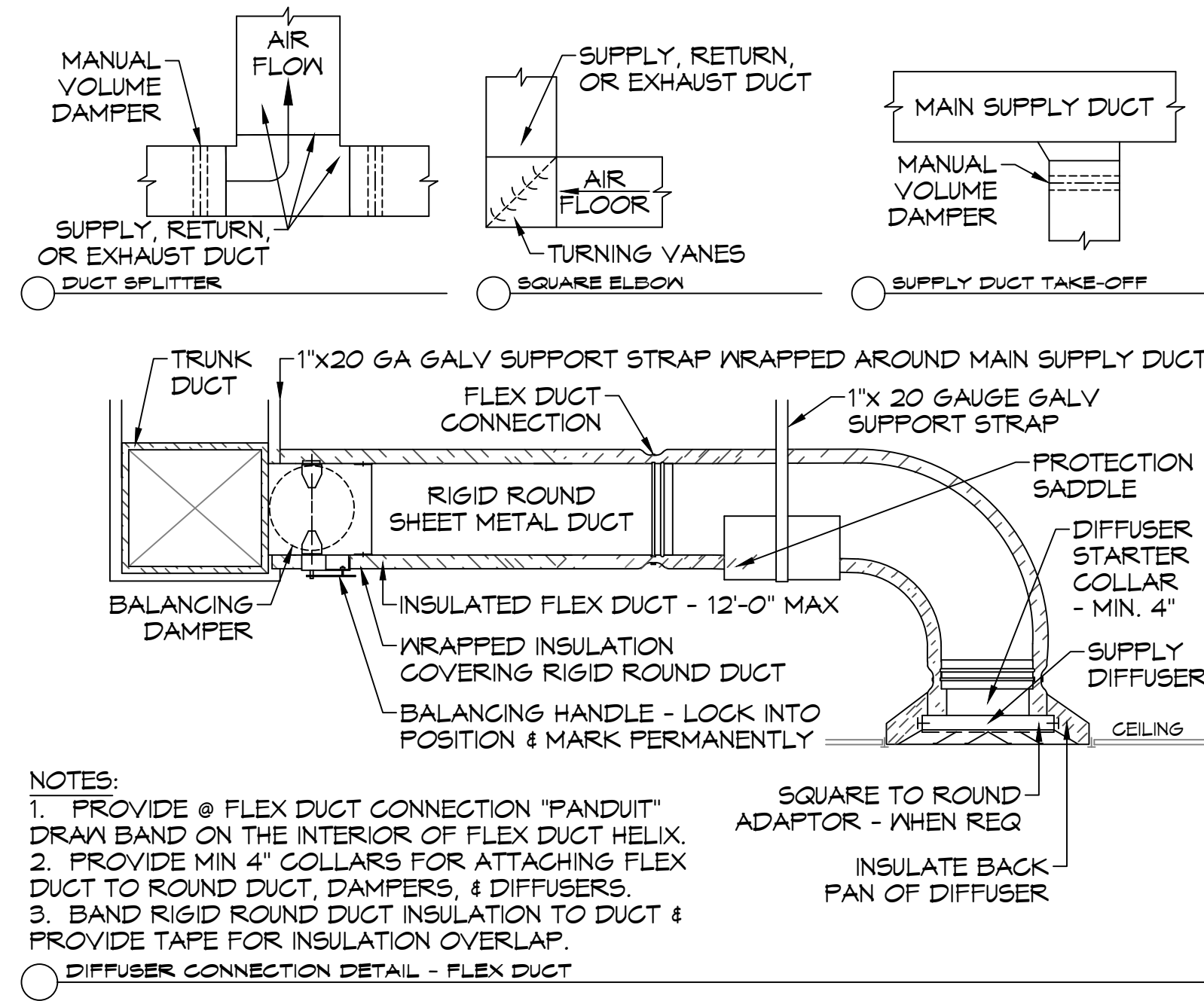
SECTION VIEW - MODEL 5412ESX-2-PSP-F
HOOD - #1 (KH-1)

HOOD DETAIL



CLOSET DETAIL

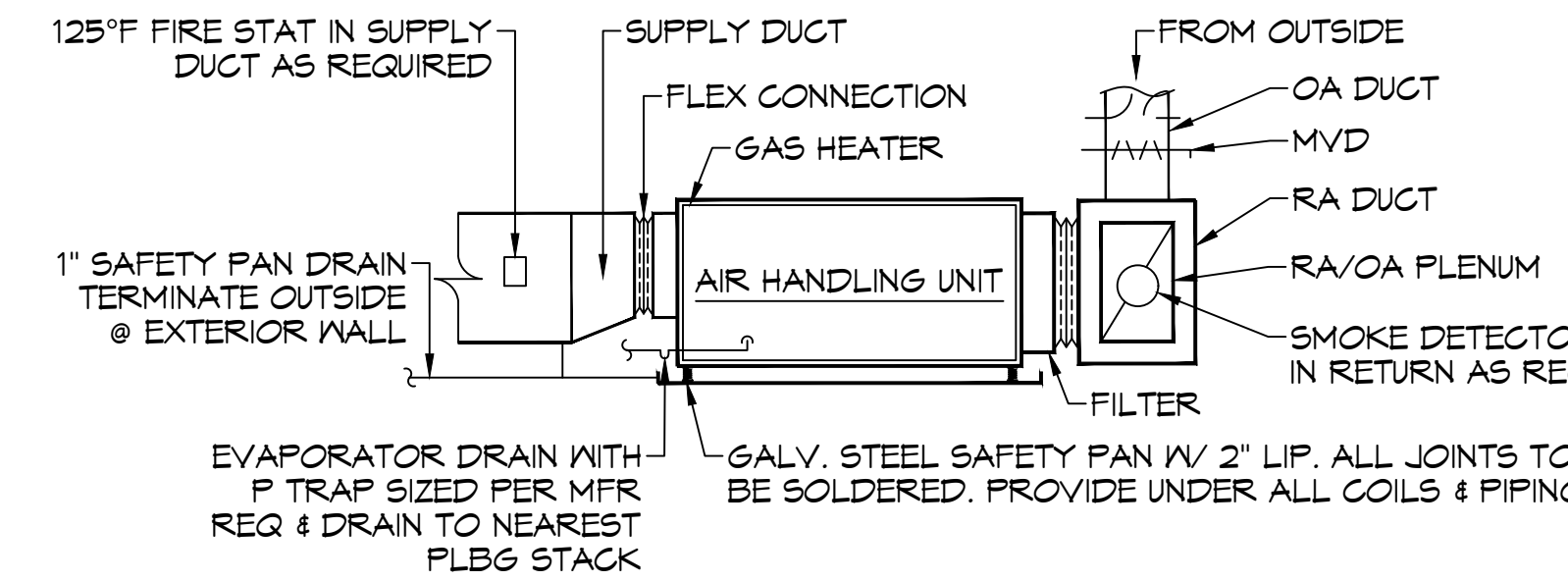
23 TYPICAL DETAILS
SCALE: N.T.S.



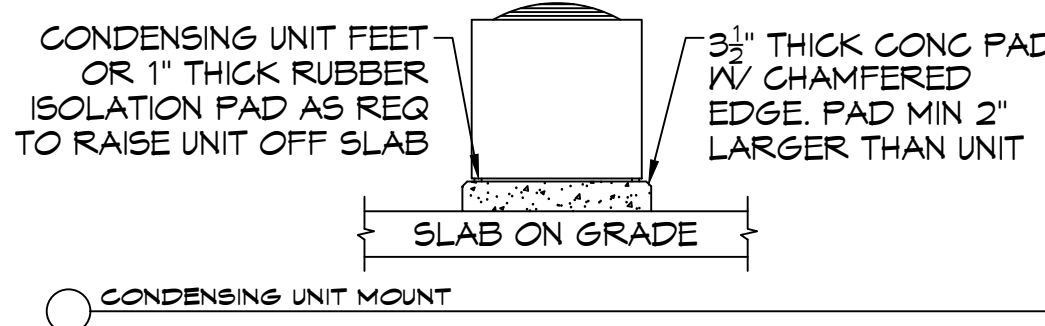
NOTES:

1. PROVIDE @ FLEX DUCT CONNECTION "PANDUIT" DRAM BAND ON THE INTERIOR OF FLEX DUCT HELIX.
2. PROVIDE MIN 4" COLLARS FOR ATTACHING FLEX DUCT TO ROUND DUCT, DAMPERS, & DIFFUSERS.
3. BAND RIGID ROUND DUCT INSULATION TO DUCT & PROVIDE TAPE FOR INSULATION OVERLAP.

DIFFUSER CONNECTION DETAIL - FLEX DUCT



TYPICAL HORIZONTAL AHU DETAIL



CONDENSING UNIT MOUNT

Mark No.	Service	Neck Size	Description
A	Supply Air	Ref. Plan	Price 620D Register, Double Deflection w/ Damper
B	Supply Air	Ref. Plan	Four Slot Linear Slot Diffuser (48" x 1"), Price SDS w/ SDA Plenum
C	Supply Air	Ref. Plan	12" x 12" Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel
D	Supply Air	Ref. Plan	24" x 24" Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel
E	Return Air	Ref. Plan	12" x 12" Perforated Ducted Return w/ Damper, Titus PAR
F	Return Air	Ref. Plan	24" x 24" Perforated Ducted Return w/ Damper, Titus PAR
G	Return Air	Ref. Plan	Price 630D Lowered Return w/ Damper

1. Coordinate with Architect / Owner for colors and finish.

TAG	FAN			POWER			MAKE / MODEL	REMARKS	
	AIRFLOW (CFM)	TSP ("wc)	AMPS	WATTS	VAC	PH			HZ
EF-1	150	0.1		42.8	120	1	60	Broan QTXE Series 150	1, 2
EF-2	70	0.2	0.4		120	1	60	Broan A80	1, 2
EF-3	415	0.6		72	120	1	60	Fanteck DBF-4XLT	1, 3

1. Install per manufacturer's recommendations
2. Interlock with light switch
3. Furnish with pressure differential switch

SPLIT SYSTEM SCHEDULE																									
Tag	Area Served	Tons (Nominal)	Total CFM	O/A (CFM)	Position	Make	AIR HANDLER			CONDENSER															
							Evaporator	DX Coil	Furnace	Cooling			Motor HP	Power		Tag	Make	Model	Power	Remarks					
										TMBH	EDB	EWB		Electric Heat KW	Gas Heat MBH						VAC	PH	MCA		
AHU-1	Worship	20	7680	1280	Horizontal	Trane	TWE240E3				218	79.6	68.6	37.4		3	208	3	CU-1	Trane	TIA240E3	208	3	98	1, 2, 3, 4, 5
AHU-2	Second Floor	2	1020	70	Horizontal	Goodman	CHPT1824		GM9C92030		19.8	77.8	68.3			1/2	208	1	CU-2	Goodman	G SX130241	208	1	10.3	2, 3, 4, 5
AHU-3	First Floor	2-1/2	1080	90	Upflow	Goodman	CAPT3137		GM9C92030		26.6	78.6	66.6			1/2	208	1	CU-3	Goodman	G SX130301	208	1	16.7	2, 3, 4, 5
AHU-4	Vestibule	3	1110	300	Horizontal	Goodman	CHPT3742		GM9C92040		34.4	80.5	71.7			1/2	208	1	CU-4	Goodman	G SX130361	208	1	18.8	2, 3, 4, 5
AHU-5	Multi-purpose Room	5	1480	290	Vertical	Goodman	CHPT4960		GM9C92040		51.3	81.3	68.7			1/2	208	1	CU-5	Goodman	G SX130601	208	1	32.5	2, 3, 4, 5

NOTES:

1. Trane RAU series single circuit air cooled condenser with scroll compressor, hot gas bypass, refrigerant and single point power connection. All control devices shall be provided to accommodate integration with a 24VAC thermostat.
2. Provide inlet filter box, single point power connection, expansion valve, crankcase heat, time delay relay, condensate overflow switch & programmable 7/24 thermostat with lockable cover.
3. Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
4. Install units in accordance with manufacturer's recommendations.
5. Provide new filters after commissioning and final acceptance.

24 SCHEDULES
SCALE: N.T.S.

THE SIXTH BAPTIST CHURCH
RENOVATION AND ADDITION
928 FELICITY STREET
NEW ORLEANS, LOUISIANA 70130

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DAMMON
ENGINEERING, INC.
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594 Oak Square, Trist
Shreve, LA 71208
www.dammonengineering.com
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PH: 985.449.5312

SHEET TITLE
MECHANICAL PLAN
DETAIL AND SCHEDULES

SHEET NO.

M103

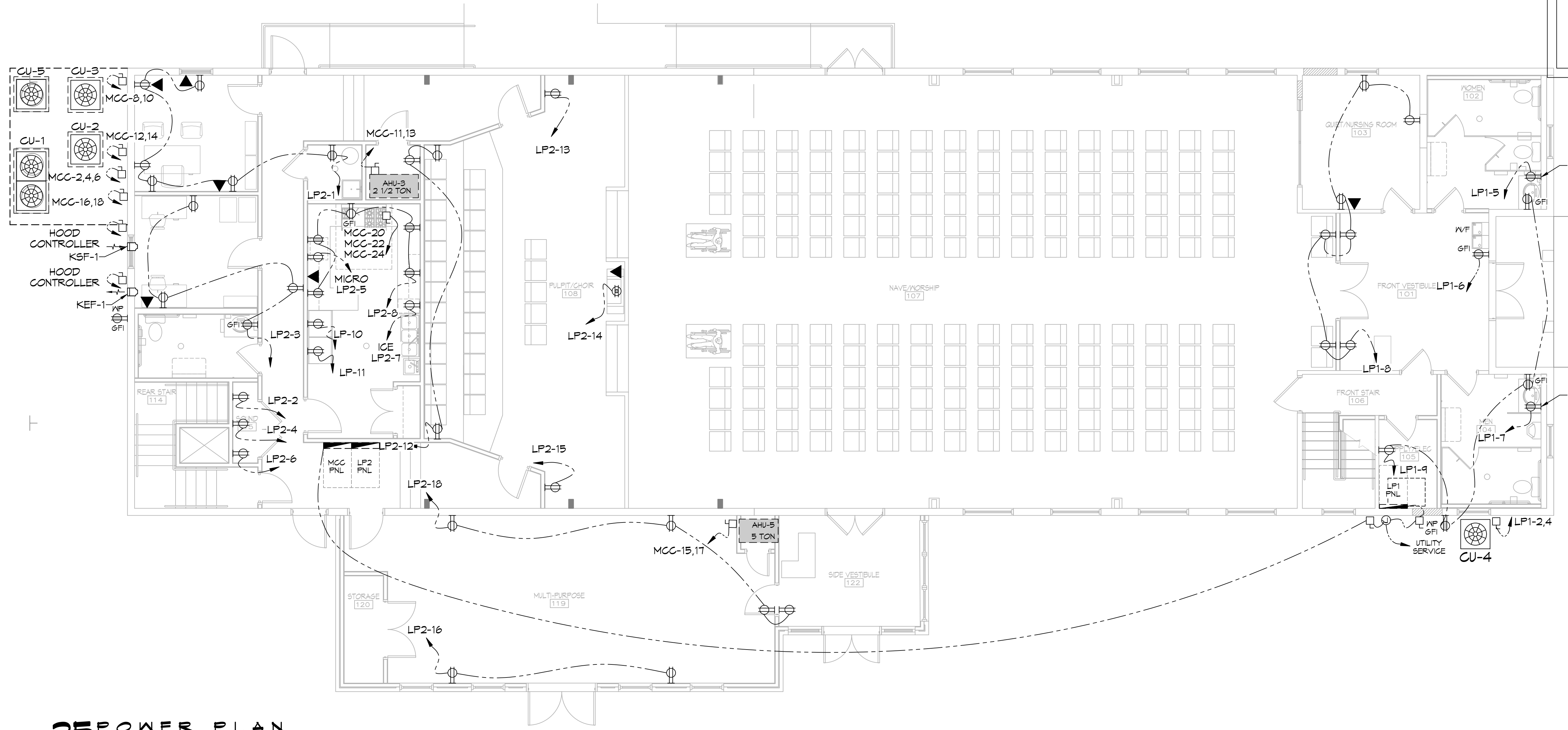
SHEET OF

LEGEND	
	DUPLEX RECEPTACLE - 20A 115V
	GFCI DUPLEX RECEPTACLE - 20A
	WEATHER PROOF GFCI DUPLEX RECEPTACLE - 20A
	FLOOR MOUNTED DUPLEX RECEPTACLE - 20A
	ATTIC DUPLEX RECEPTACLE MOUNTED ABOVE DECK - 20A
	DISCONNECT
	TELEPHONE/DATA RECEPTACLE
	HOME RUN

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE NON-METALLIC CABLE (NMC) CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS IN WOOD FRAME CONSTRUCTION AREAS ONLY; IN STEEL FRAMING AREAS THE USE OF EMT (MINIMUM) IS REQUIRED; EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE STAMPED BOXES.
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-11 & 250-12.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT PRIOR TO FABRICATION.



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SHEET TITLE
POWER PLAN - FIRST FLOOR

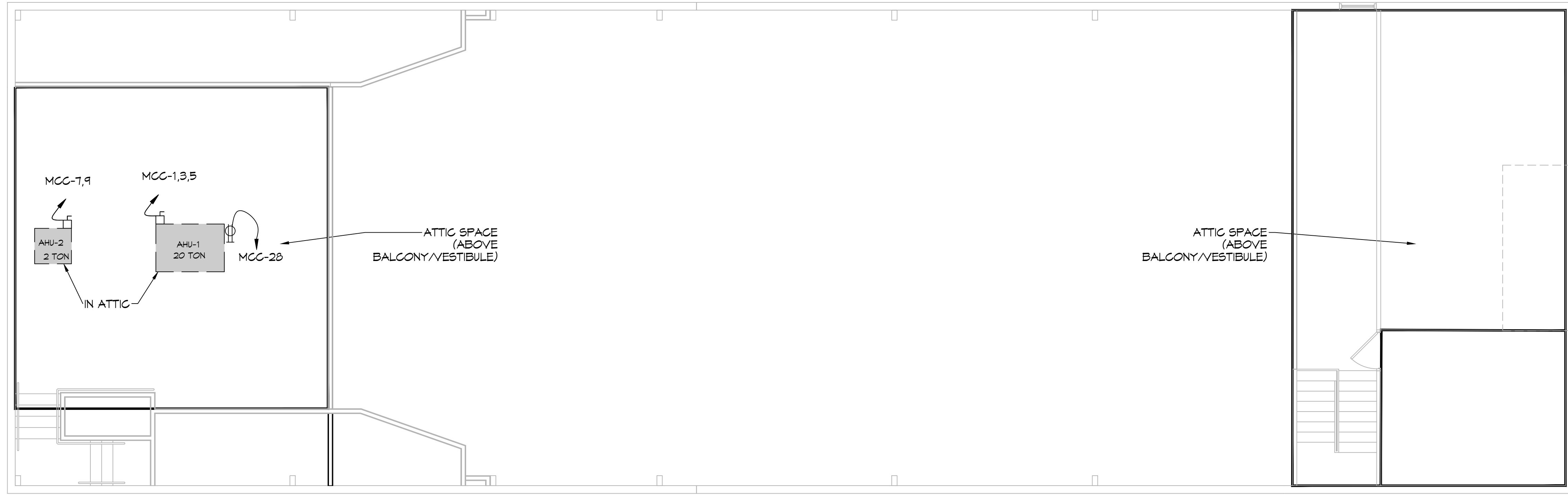
SHEET NO.

E101
SHEET OF

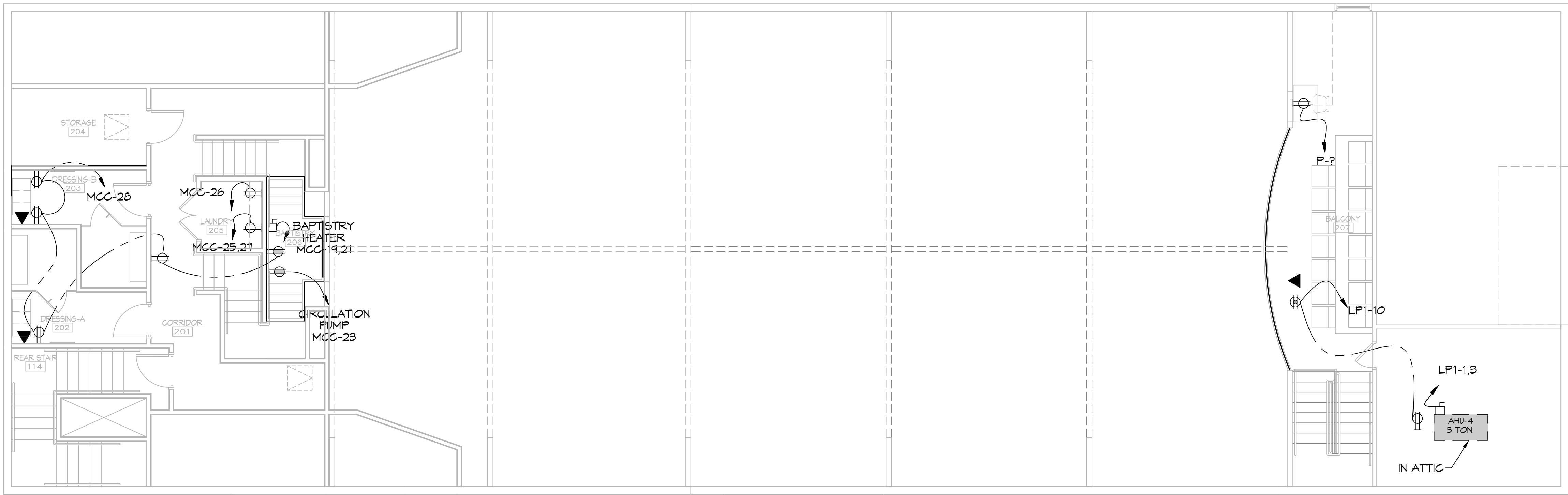
**THE SIXTH BAPTIST CHURCH
 RENOVATION AND ADDITION**
 928 FELICITY STREET
 NEW ORLEANS, LOUISIANA 70130

LEGEND	
	DUPLEX RECEPTACLE - 20A 115V
	GFCI DUPLEX RECEPTACLE - 20A
	WEATHER PROOF GFCI DUPLEX RECEPTACLE - 20A
	FLOOR MOUNTED DUPLEX RECEPTACLE - 20A
	ATTIC DUPLEX RECEPTACLE MOUNTED ABOVE DECK - 20A
	DISCONNECT
	TELEPHONE/DATA RECEPTACLE
	HOME RUN

DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT PRIOR TO FABRICATION.



26 POWER PLAN ATTIC
 SCALE: 3/16"=1'-0"



27 POWER PLAN
 SCALE: 3/16"=1'-0"

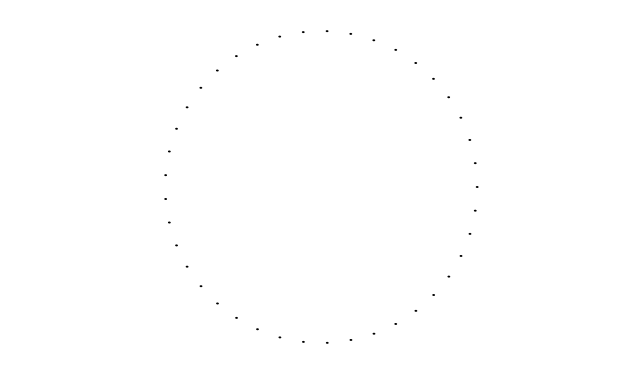
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SHEET TITLE
 POWER PLAN - SECOND FLOOR

SHEET NO.

E102
 SHEET OF

**THE SIXTH BAPTIST CHURCH
 RENOVATION AND ADDITION**
 928 FELICITY STREET
 NEW ORLEANS, LOUISIANA 70130

GENERAL LIGHTING NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES, RULES, REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
3. WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
4. ALL CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
5. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
6. ALL CONDUCTORS SHALL BE COPPER.
7. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
8. MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
9. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
10. EACH DIMMER SWITCH SHALL HAVE A WATTING RATING 25% HIGHER THAN THE TOTAL WATTAGE OF ALL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS, LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT AND LOW VOLTAGE DIMMERS HAL LBE LUTRON NOVA T-STAR.
11. WHERE FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, THE FIXTURES SHALL HAVE DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS.
12. WHERE LED FIXTURES/LAMPS ARE SHOWN TO BE DIMMED, THE DIMMER SHALL BE COMPATIBLE WITH THE FIXTURE/LAMP SPECIFIED OR PROVIDED.
13. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
14. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.136.

DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT PRIOR TO FABRICATION.

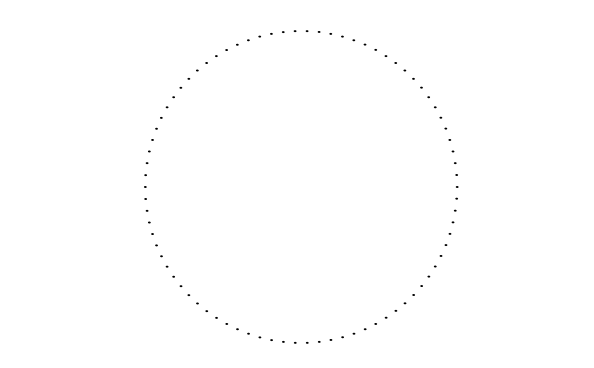
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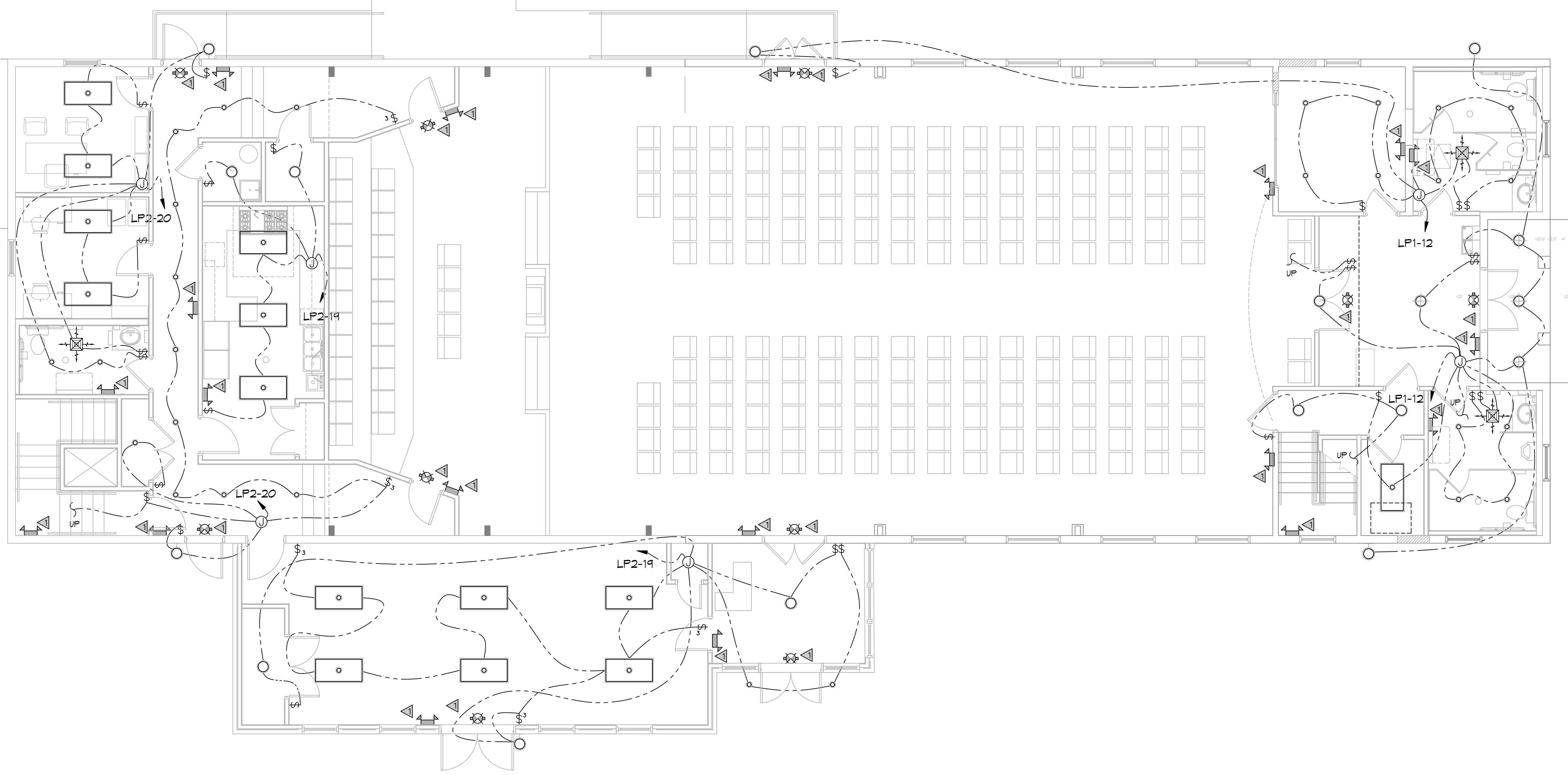
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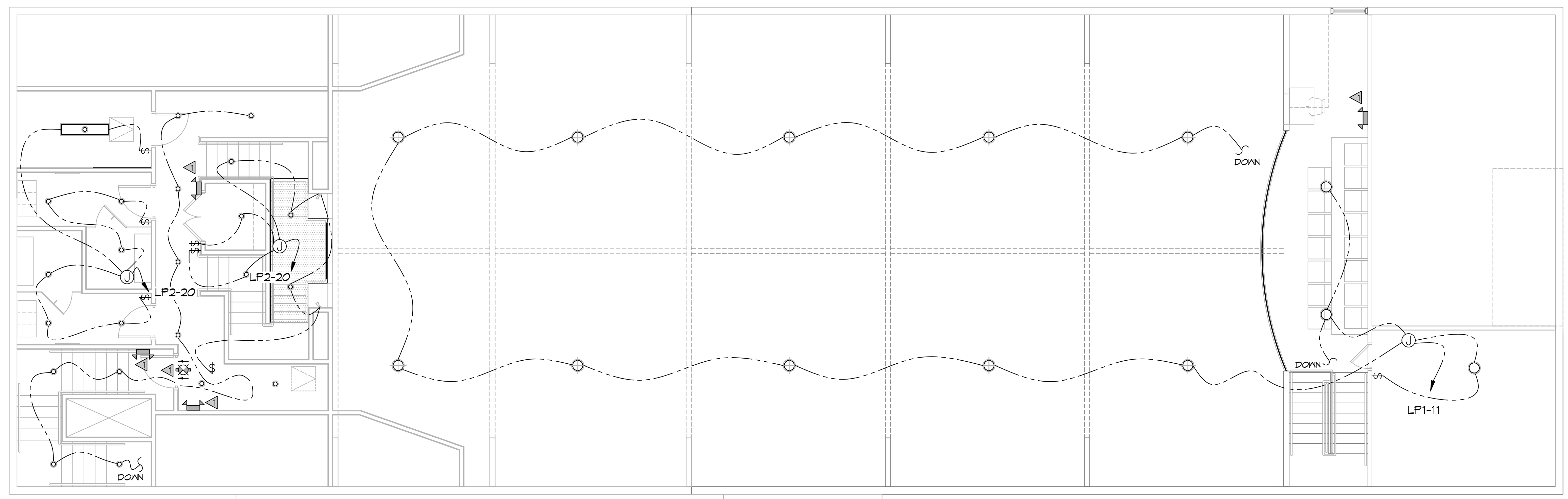
SHEET TITLE
 POWER PLAN-
 FIRST & SECOND FLOOR

SHEET NO.



28 LIGHTING PLAN
 SCALE: 3/16"=1'-0"

FIRST FLOOR



29 LIGHTING PLAN
 SCALE: 3/16"=1'-0"

SECOND FLOOR

**THE SIXTH BAPTIST CHURCH
RENOVATION AND ADDITION**
928 FELICITY STREET
NEW ORLEANS, LOUISIANA 70130

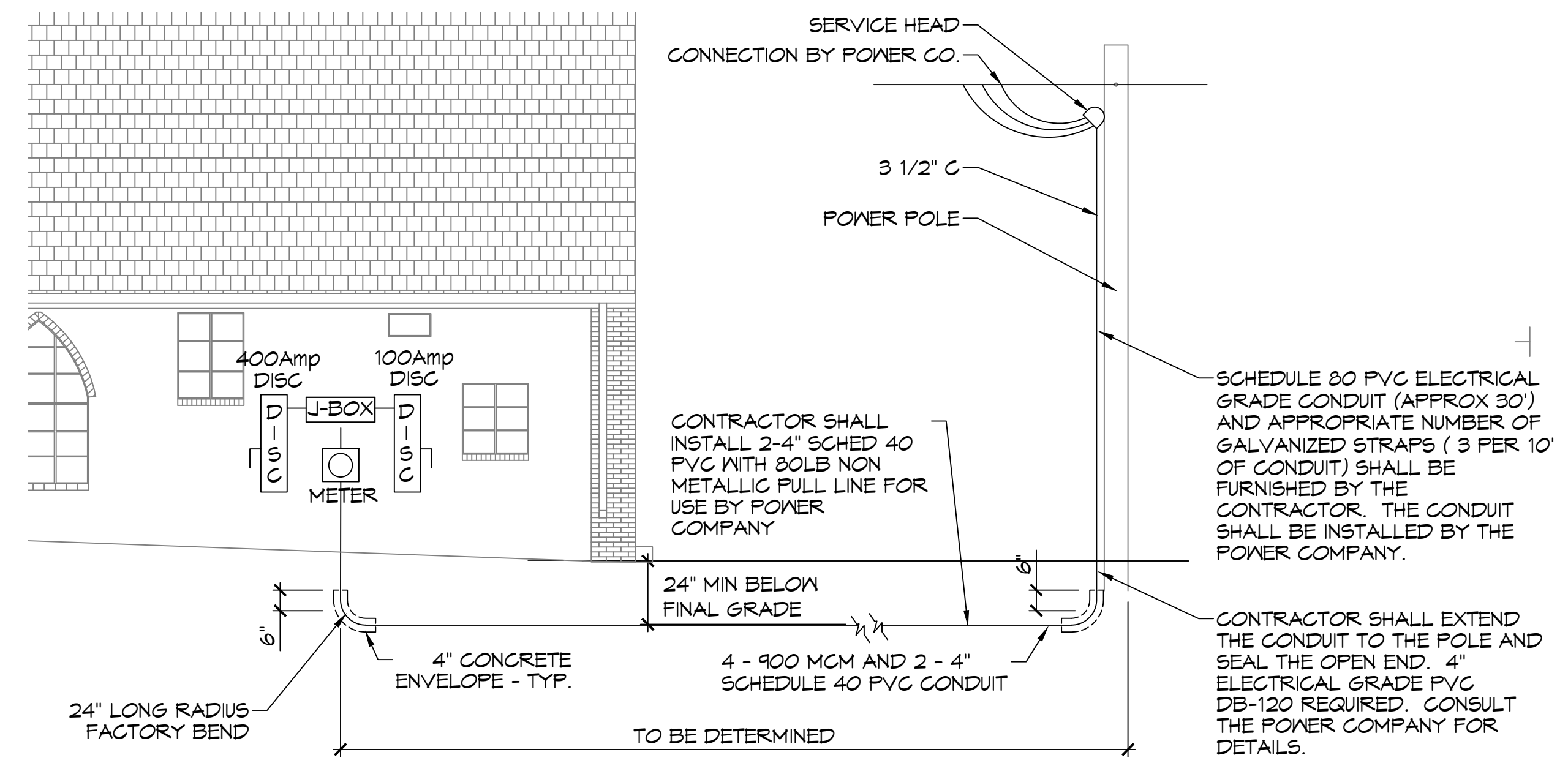
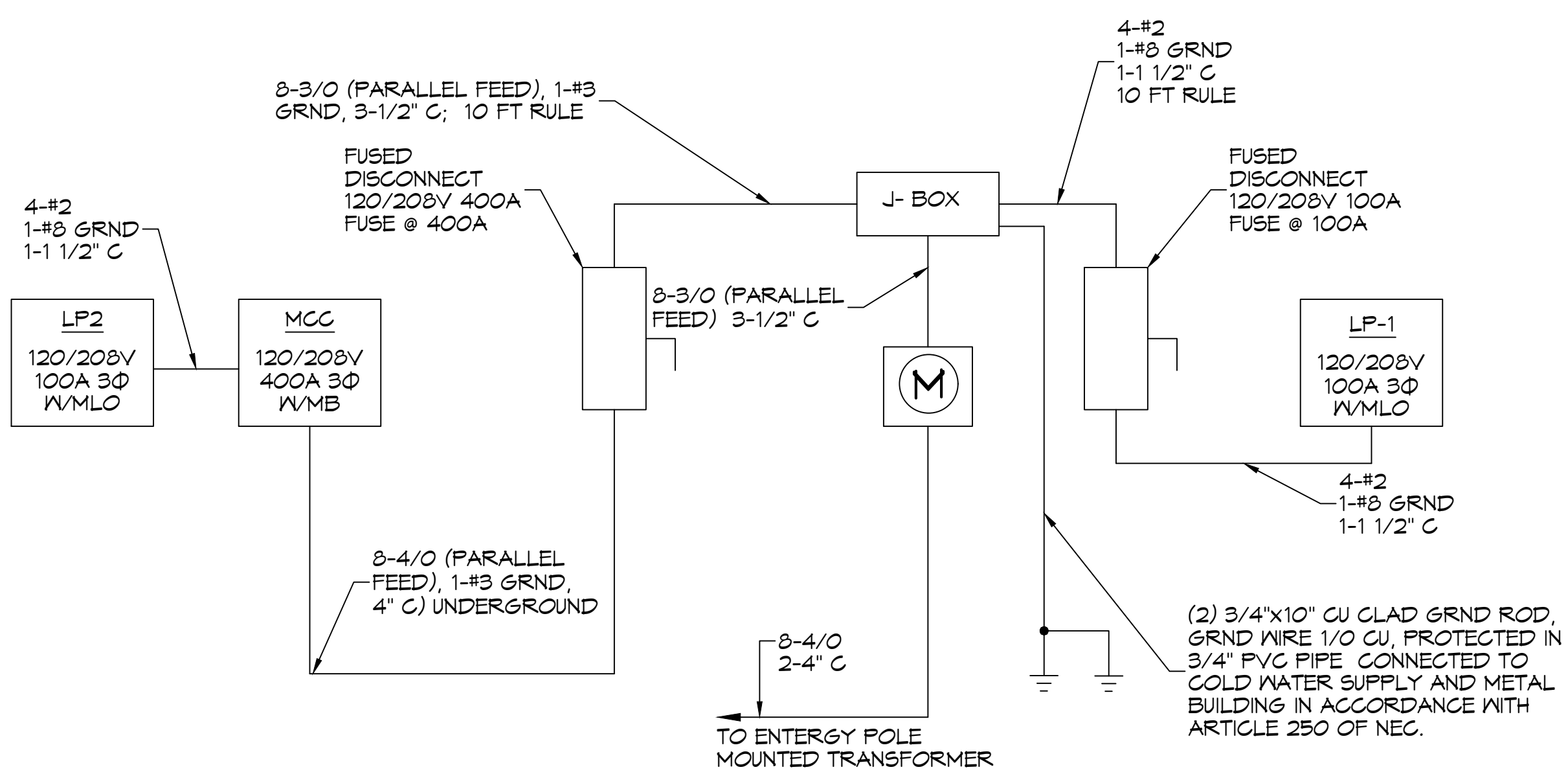
PANEL SCHEDULE												
PANEL: MCC LOCATION: CORRIDOR 104 FEEDER SOURCE: ENTERGY			VOLTAGE: 208/120V, 400A, 3Ø, 4W, N/MB, 22KIC ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER									
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP POLE	LOAD (kVb)	AD	BS	CS	LOAD (kVb)	BREAKER POLE AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	2/0	AHU-1 (20 TON) **	150 3	11.9				12.5				2
3				11.9				12.5	3	** CU-1 (20 TON) #1	#1	4
5				11.9				12.5				6
7	#12	AHU-2 (2 TON) **	15 2	1.0				1.1	2	** CU-2 (2 TON) #12	#12	8
9				1.0				1.1	2			10
11	#12	AHU-3 (2-1/2 TON) **	15 2	1.0				1.1	2	** CU-3 (2-1/2 TON) #10	#10	12
13				1.0				1.1	2			14
15	#12	AHU-5 (5 TON) **	15 2	1.0				3.4	2	** CU-5 (5 TON) #6	#6	16
17				1.0				3.4	2			18
19	#10	5.5 kW BAPTISTRY HEATER **	30 2	2.7				0.6	1	** HOOD CONTROLLER #12	#12	20
21				2.7				1.0	1	** KSP-1; SHUNT TRIP; ROUTE THRU HOOD CONTROLLER #12	#12	22
23	#10	BAPTISTRY HEATER CIRCULATION PUMP **	20 1	1.6				1.3	1	** KEP-1; SHUNT TRIP; ROUTE THRU HOOD CONTROLLER #12	#12	24
25	#10	CLOTHES DRYER	30 2	2.5				0.5	1	WASHING MACHINE #12	#12	26
27				2.5				-	1	SPARE -	-	28
29		SPARE	20 1	-				-	1	SPARE -	-	30
31		SPARE	20 1	-				-	1	SPARE -	-	32
33		SPARE	20 1	-				-	1	SPARE -	-	34
35		SPARE	20 1	-				-	1	SPARE -	-	36
37		SPARE	20 1	-				6.5				38
39		SPARE	20 1	-				3.2	3	LP2 -	-	40
41		SPARE	20 1	-				5.4				42
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (kVb) = 142.1				GROUND BUS GROUND WIRE (G)				
				AD = 47.0 BS = 46.9 CS = 48.6								

** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED

PANEL SCHEDULE												
PANEL: LP2 LOCATION: CORRIDOR 104 FEEDER SOURCE: MCC			VOLTAGE: 208/120V, 100A, 3Ø, 4W, N/MLD, 10KIC ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER									
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP POLE	LOAD (kVb)	AD	BS	CS	LOAD (kVb)	BREAKER POLE AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	ADMIN OFFICE 116	20 1	1.1				0.5	1	SOUND CLOSET 114; DEDICATED #12	#12	2
3	#12	PASTOR OFFICE 117	20 1	0.7				0.5	1	SOUND CLOSET 114; DEDICATED #12	#12	4
5	#12	KITCHEN, MICROWAVE	20 1	1.5				0.5	1	SOUND CLOSET 114; DEDICATED #12	#12	6
7	#12	KITCHEN, ICE MACHINE	20 1	1.5				1.5	1	KITCHEN OUTLETS #12	#12	8
9	#12	SPARE	20 1	-				1.5	1	KITCHEN REFRIGERATOR #12	#12	10
11	#12	KITCHEN, FREEZER	20 1	1.5				0.5	1	CHOR #12	#12	12
13	#12	STAGE RIGHT	20 1	0.2				0.2	1	FULRT #12	#12	14
15	#12	STAGE LEFT	20 1	0.2				0.5	1	MULTI-PURPOSE RM OUTLETS #12	#12	16
17	#12	2ND FLR 4 ATTIC OUTLETS	20 1	0.7				0.7	1	MULTI-PURPOSE RM OUTLETS #12	#12	18
19	#12	LIGHTS	20 1	1.0				1.5	1	LIGHTS #12	#12	20
21		SPARE	20 1	-				-	1	SPARE -	-	22
23		SPARE	20 1	-				-	1	SPARE -	-	24
25		SPACE								SPACE		26
27		SPACE								SPACE		28
29		SPACE								SPACE		30
31		SPACE								SPACE		32
33		SPACE								SPACE		34
35		SPACE								SPACE		36
37		SPACE								SPACE		38
39		SPACE								SPACE		40
41		SPACE								SPACE		42
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (kVb) = 15.0				GROUND BUS GROUND WIRE (G)				
				AD = 6.5 BS = 3.2 CS = 5.4								

PANEL SCHEDULE												
PANEL: LP1 LOCATION: STORAGE RM 105 FEEDER SOURCE: MDP			VOLTAGE: 208/120V, 100A, 3Ø, 4W, N/MLD, 22KIC ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE GO LOAD CENTER									
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP POLE	LOAD (kVb)	AD	BS	CS	LOAD (kVb)	BREAKER POLE AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	AHU-4 (3 TON) **	15 2	1.0				2.0	2	** CU-4 (3 TON) #10	#10	2
3				1.0				2.0	2			4
5	#10	INSTANT WATER HEATER, WOMENS RESTROOM	30 1	3.4				0.7	1	VESTIBULE WATER FOUNTAIN #12	#12	6
7	#10	INSTANT WATER HEATER, MENS RESTROOM	30 1	3.4				1.5	1	OUTLETS #12	#12	8
9	#12	RESTROOM OUTLETS	20 1	0.7				0.4	1	ATTIC 4 LOFT OUTLETS #12	#12	10
11	#12	PENDANT LIGHTS IN WORSHIP # 2ND FLR	20 1	1.4				1.0	1	LIGHTS #12	#12	12
13		SPARE	20 1	-				-	1	SPARE -	-	14
15		SPARE	20 1	-				-	1	SPARE -	-	16
17		SPARE	20 1	-				-	1	SPARE -	-	18
SOLID NEUTRAL NEUTRAL WIRE (N)				TOTAL CONNECTED LOAD (kVb) = 15.3				GROUND BUS GROUND WIRE (G)				
				AD = 7.7 BS = 4.1 CS = 6.5								

** INSTALL BREAKER TO MATCH EQUIPMENT INSTALLED



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