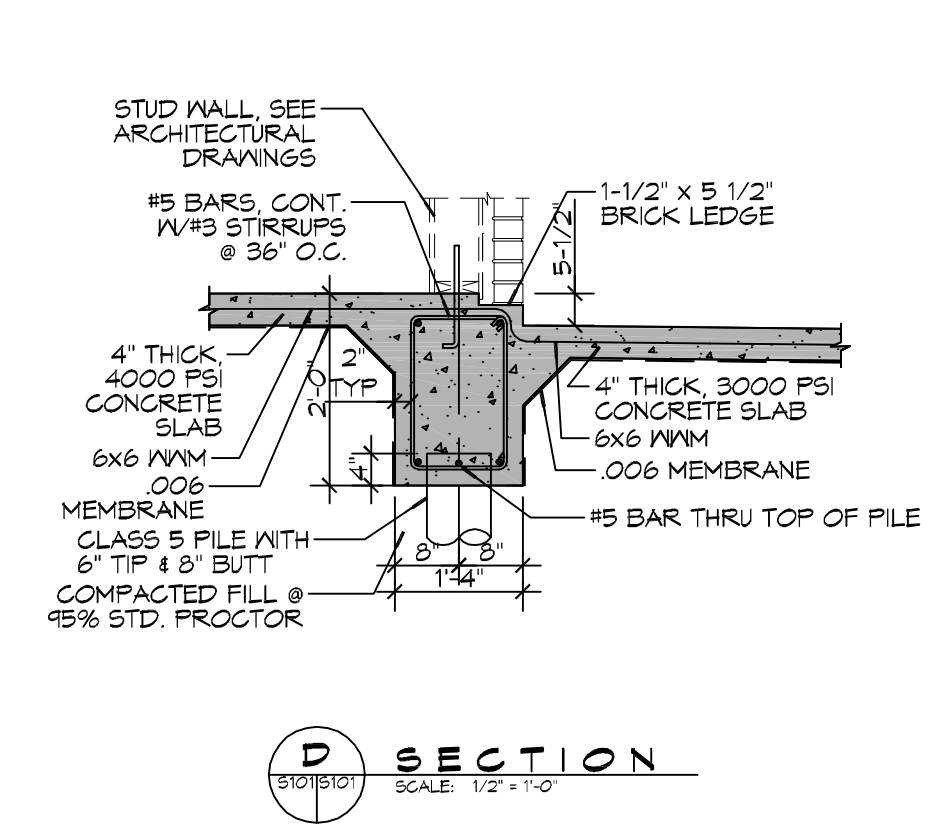
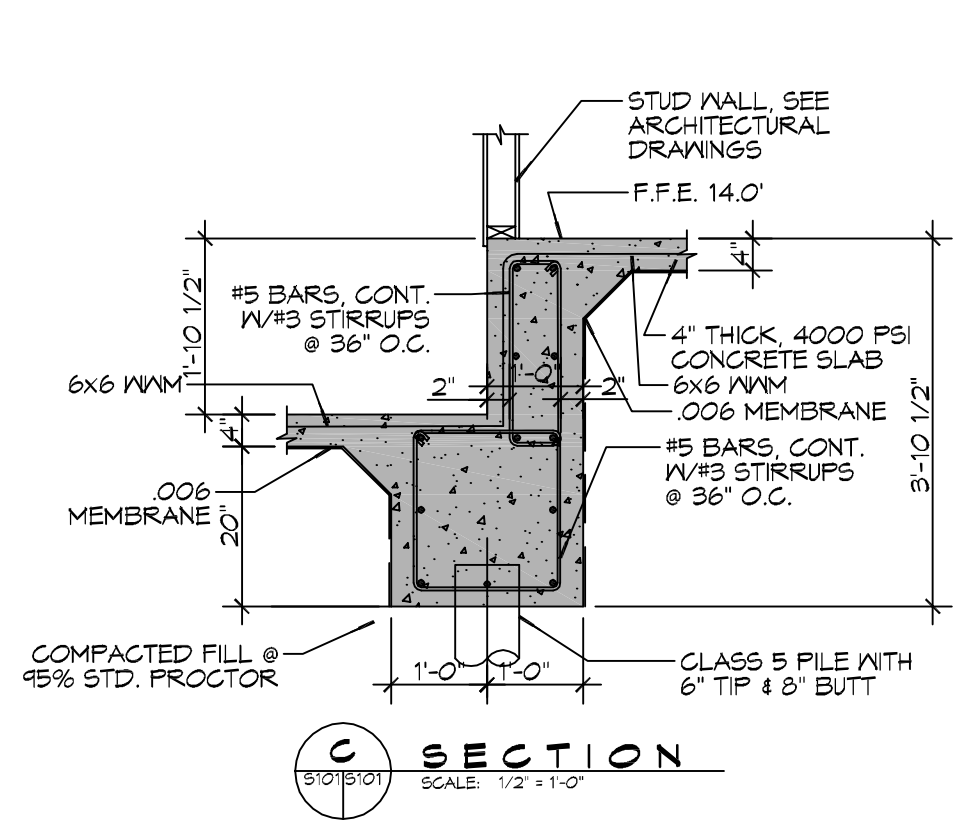
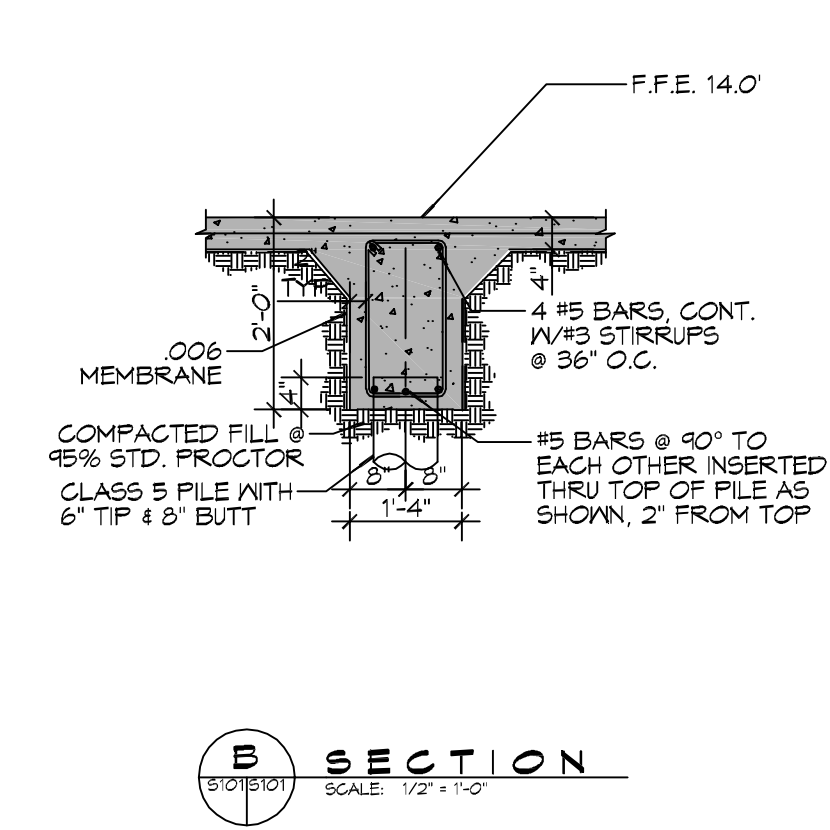
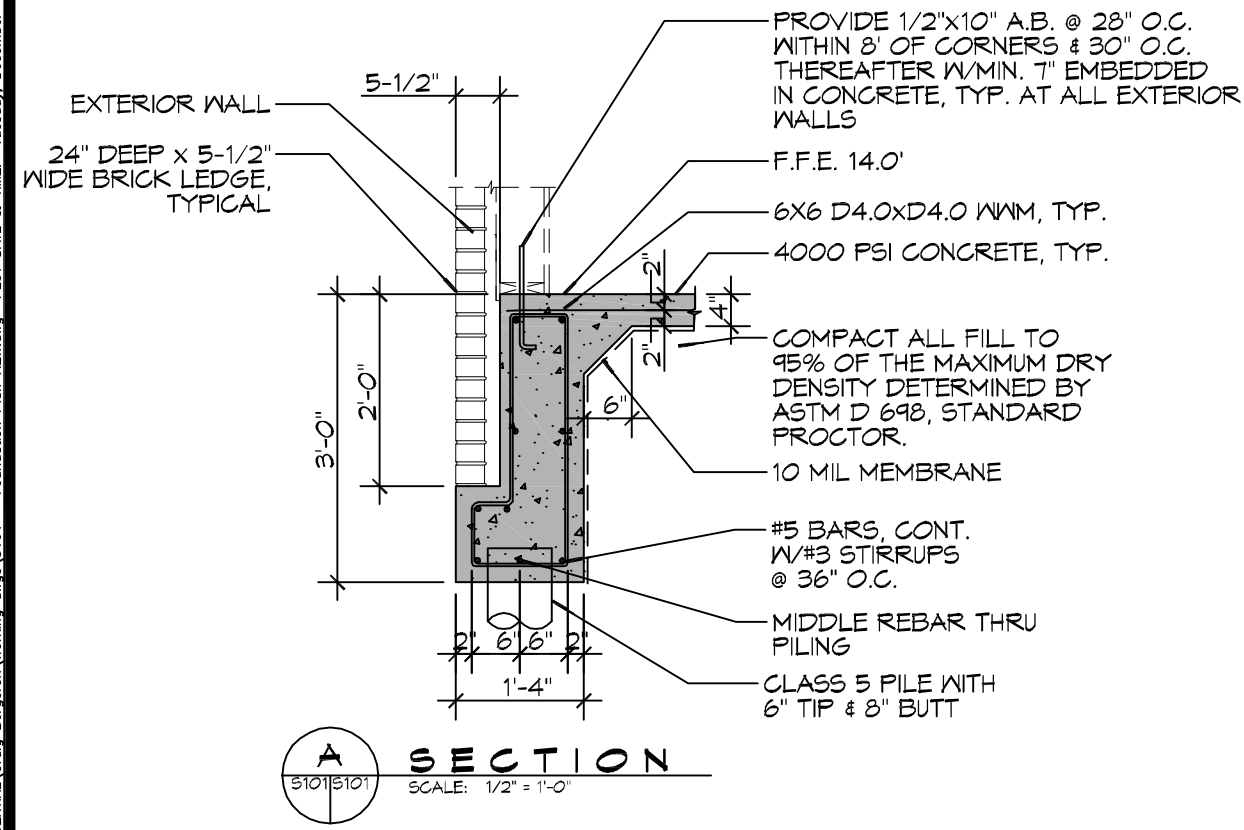


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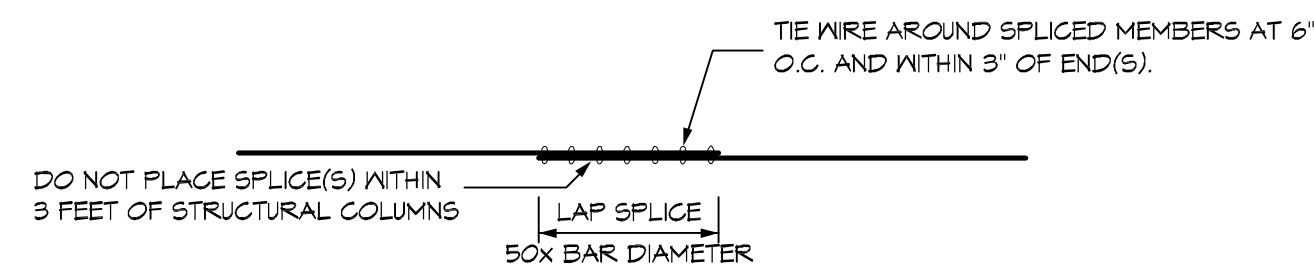


A SECTION
SCALE: 1/2" = 1'-0"

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

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

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



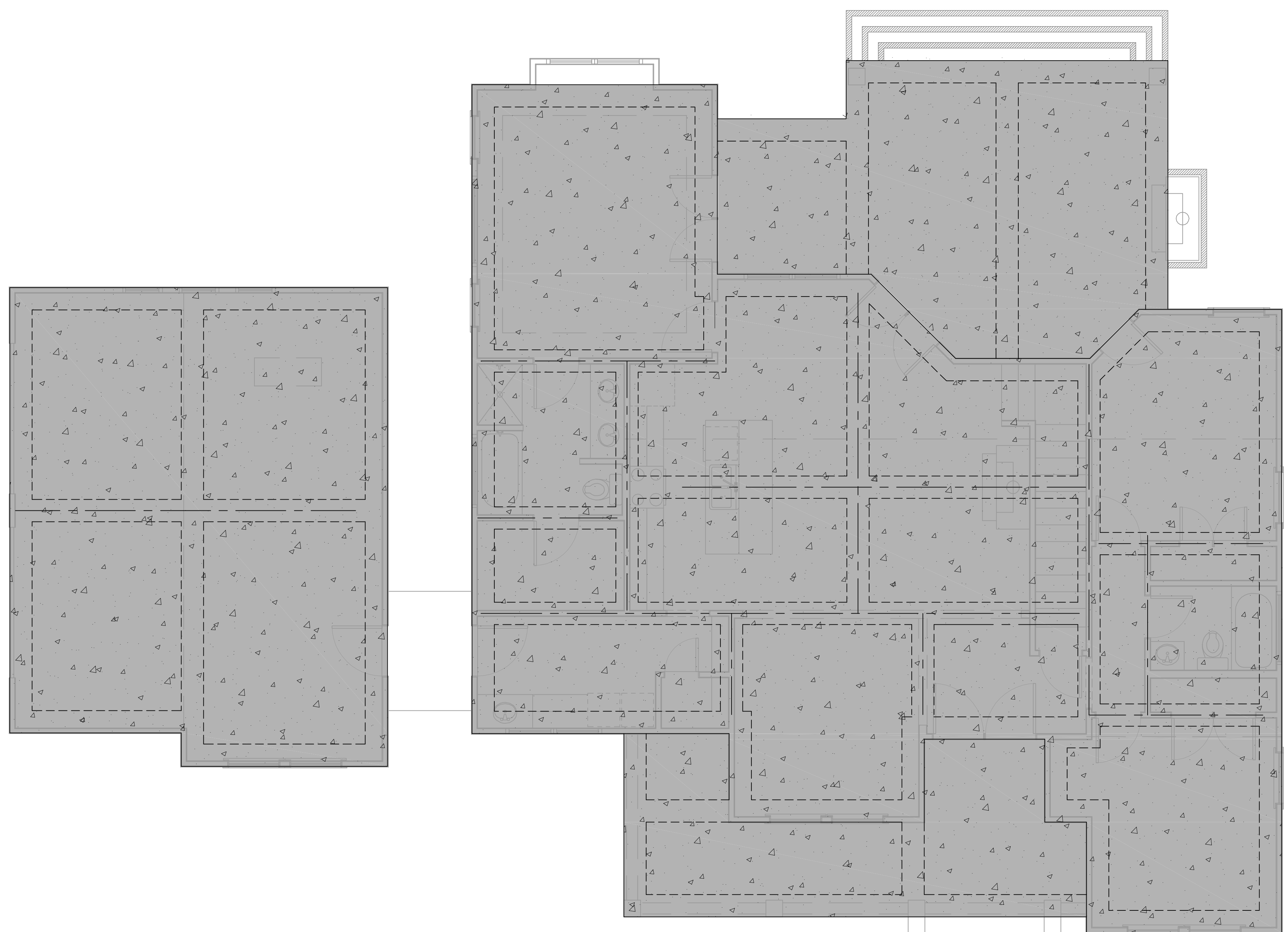
3 SPICE DETAIL
SCALE: 3/4" = 1'-0"

PILING NOTES

1. PILES ARE TO BE CLASS 5 MODIFIED AND ALL PILES ARE TO BE 40 FT. IN LENGTH WITH A 6 INCH TIP AND 8' BUTT.
2. ALL PILES TO BE EMBEDDED 30 FT. MINIMUM INTO SOIL.
3. DESIGN LOAD = 6 TONS PER PILE.
4. NO FIELD SUPERVISION OR INSPECTION PROVIDED UNDER THIS SEAL UNLESS OTHERWISE NOTED.
5. PILE LAYOUT MAY BE MODIFIED DUE TO ACTUAL DRIVING CONDITIONS. ENGINEER TO BE NOTIFIED ON ANY MODIFICATION.
6. THIS PILE SUPPORTED FOUNDATION IS DESIGNED TO MEET THE GENERAL SOIL CONDITIONS OF THE AREA OF WORK. THE CONTRACTOR OR OWNER IS ADVISED THAT A SOIL ANALYSIS SHOULD BE MADE TO CONFIRM THE DESIGN.
7. A PILE BLOW COUNT LOG OF ALL PILES IS TO BE SUBMITTED TO THE ENGINEER OF RECORD. FAILURE TO SUBMIT SAID LOG WILL RELEASE THE ENGINEER OF ALL RESPONSIBILITY.
8. CONTRACTOR IS RESPONSIBLE FOR THE COMPARISON & VERIFICATION OF PILE LAYOUT DIMENSIONS WITH MOST RECENT ARCHITECTURAL DRAWINGS, ASSURING THAT PILES DO NOT FALL WITHIN LIMITS OF THE DESIGN.
9. FILL AS A MINIMUM QUALITY SHALL BE 40% CLAY AND 60% SANDY MIXTURE, PLACED IN 6' LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR. FOOTINGS ARE DESIGNED TO USE SOIL WITH A BEARING PRESSURE OF 2000 LBS. PER SQUARE FOOT OR MORE. IT IS RECOMMENDED THAT THE OWNER VERIFY ALLOWABLE SOIL BEARING PRESSURE CAPACITY BY CONTRACTING THE SERVICES OF A SOILS ENGINEERING COMPANY.

GENERAL FOUNDATION NOTES

1. ALL DIMENSIONS ARE EDGE OF CONCRETE (EOC) TO EDGE OF CONCRETE (EOC) UNLESS NOTED OTHERWISE.
2. VERIFY ALL PLUMBING ROUGH-IN LOCATIONS ON ARCHITECTURAL D'G'S.
3. CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
4. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
5. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE MINIMUM 10 MIL THICKNESS; ASTM E 1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP, ECOSHIELD-E 15 MIL BY EPRO, OR IRONBAR 15 BY FLATRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
6. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
7. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME. SEE ARCHITECTURAL DRAWINGS FORMSETTER PLAN SHEET 9 OF 9.
8. GRADE BEAM DIMENSIONS MAY VARY BY -5%, +20%.
9. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MINIMUM NET ALLOWABLE BEARING PRESSURES OF 1200 PSF AND 2000 PSF, RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
10. ALL SOIL BELOW SLAB SHALL RECEIVE TERMITE TREATMENT.



1 FOOTING FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

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#	DESCRIPTION	DATE



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 JOB No: 2019 DATE: 08-26-2019
 DRAWN BY: RLD CHECKED BY: CKD

SHEET TITLE:
PILING AND FOOTING FOUNDATION PLAN
 DRAWING NUMBER:
S101
 SHEET No: 2 of 10

TABLE S107.7 - UPLIFT CONNECTIONS - 130 MPH WINDS EXP "C"

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	407	292	152R	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	219	436	4

TABLE S107.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 130 MPH WIND EXP "C"

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

TABLE S107.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 130 MPH WIND EXP "C"

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 S107.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"

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 S107.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET				24 FEET				36 FEET			
		NUMBER OF JACK STUDS REQUIRED AT EACH END OF THE HEADER											
ONE FLOOR ONLY (CENTER BEARING)	2	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
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	2	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	2	2
	8	2	2	1	1	3	2	2	2	5	3	3	3
	10	2	2	2	1	4	3	3	2	6	4	4	3
	12	3	2	2	2	5	3	3	3	7	5	4	4
	14	3	2	2	2	6	4	4	3	8	5	5	4
16	4	3	2	2	6	4	4	3	9	6	6	5	

TABLE S107.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS

	ROOF LIVE LOAD 20 PSF	ROOF LIVE LOAD 30 PSF			
		3'	4.5'	5'	6.5'
		NUMBER OF JACK STUDS REQUIRED			
ROOF AND CEILING	2	1	1	1	1
	4	1	1	1	1
	6	2	1	1	1
	8	2	2	2	1
	10	3	2	2	2
	12	3	2	2	2
	14	4	3	2	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1
	4	2	1	1	1
	6	2	2	2	1
	8	3	2	2	2
	10	4	3	2	2
	12	4	3	3	3
	14	5	4	3	3
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1
	4	2	1	1	1
	6	2	2	2	1
	8	3	2	2	2
	10	4	3	2	2
	12	4	3	3	3
	14	5	4	3	3

TABLE S107.3 - NAILING SCHEDULE

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

TABLE S107.4 - BUILDING ENVELOPE REQUIREMENTS

OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE					
			ROOFS	WALLS, ABOVE GRADE	FLOORS	SLAB-ON-GRADE	OPAQUE DOORS
INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 c.i.					
METAL BUILDING	U-0.065	R-19					
ATTIC AND OTHER	U-0.021	R-38					
MASS	U-0.151	R-5.1 c.i.					
METAL BUILDING	U-0.115	R-19.0					
STEEL-FRAMED	U-0.124	R-19.0					
WOOD-FRAMED AND OTHER	U-0.084	R-13.0					
MASS	U-0.101	R-6.3 c.i.					
STEEL JOIST	U-0.052	R-19.0					
WOOD FRAMED AND OTHER	U-0.051	R-19.0					
UN-HEATED	F-0.730	NR					
SWINGING	U-0.700	NR					
NON-SWINGING	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 19 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVE, FASTENED SUFFICIENTLY TO HOLD IN PLACE.
 - STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 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 SINGLE 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.

ROOF APPLICATION & FASTENING NOTES

- INSTALL ROOF PER MANUFACTURERS RECOMMENDATIONS FOR 130MPH 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.

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.

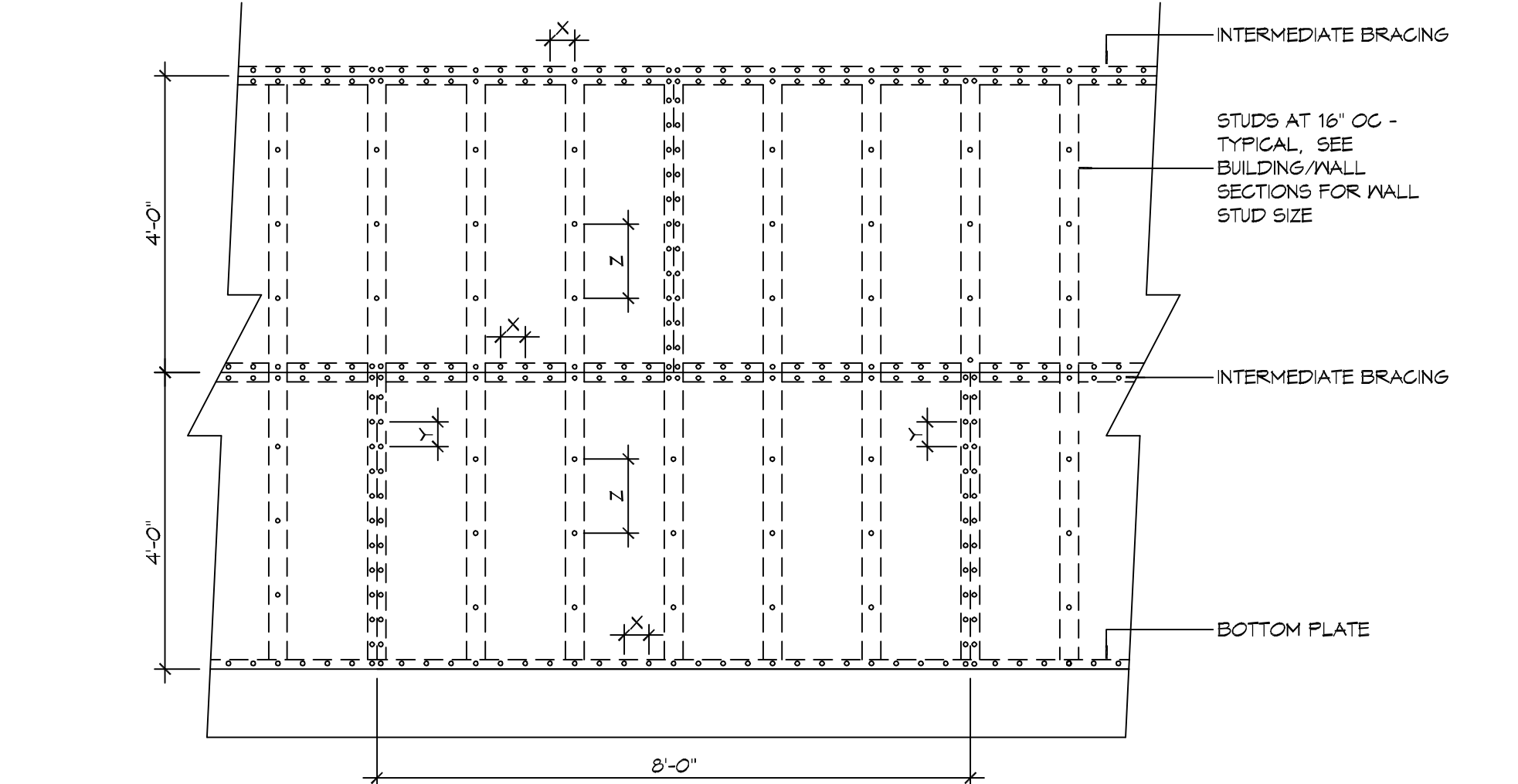
WALL ASSEMBLY TO FOUNDATION:
FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION SILL PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" X 20 GA. ASTM A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 1 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE. 3 INCH SQUARE WASHERS SHALL NOT 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 G105 OR Z450 GALV. STL.

TABLE S107.1 - ROOF SHEATHING OR 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	6
	16" OC	4	4
	24" OC	3	3

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

DESIGN CRITERIA
THE CONSTRUCTION FOR SAID RESIDENCE, WHERE BASIC WIND SPEED IS 130 MILES PER HOUR, WIND EXPOSURE ZONE C, IS DESIGNED IN ACCORDANCE WITH: AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2001 EDITION, AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2015 EDITION.

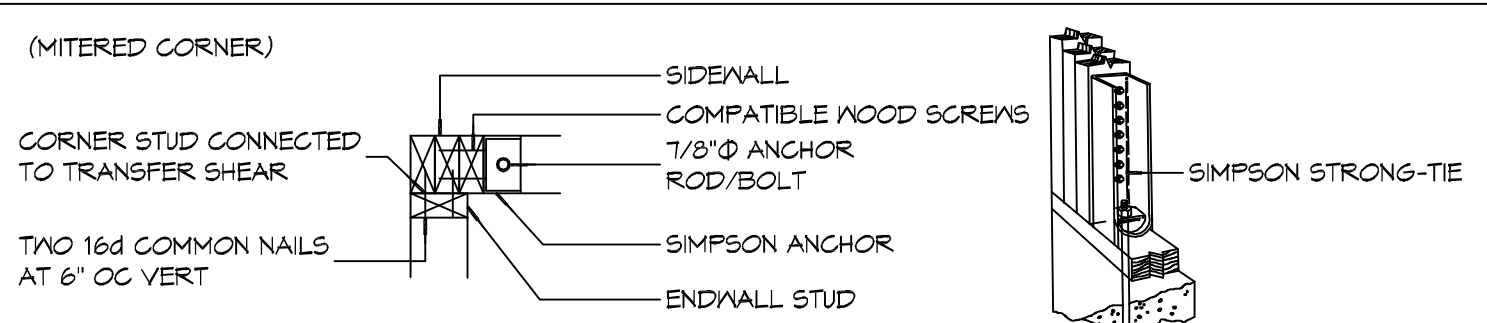


NAIL SPACING
X = 4" OC
Y = 4" OC
Z = 12" OC

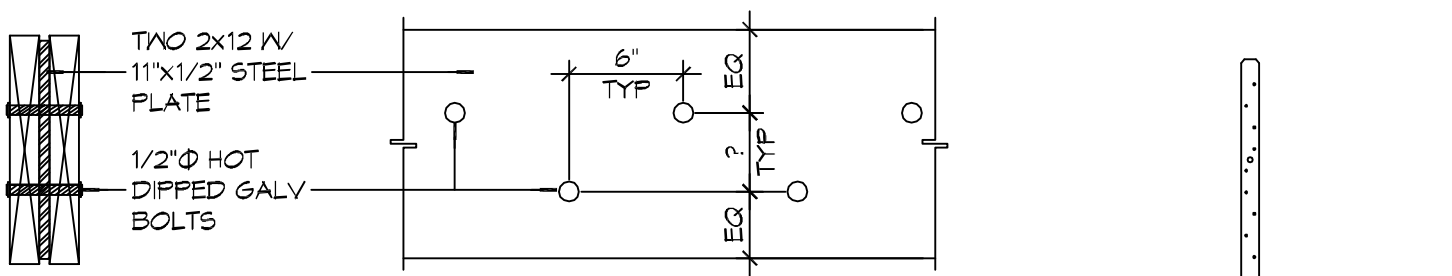
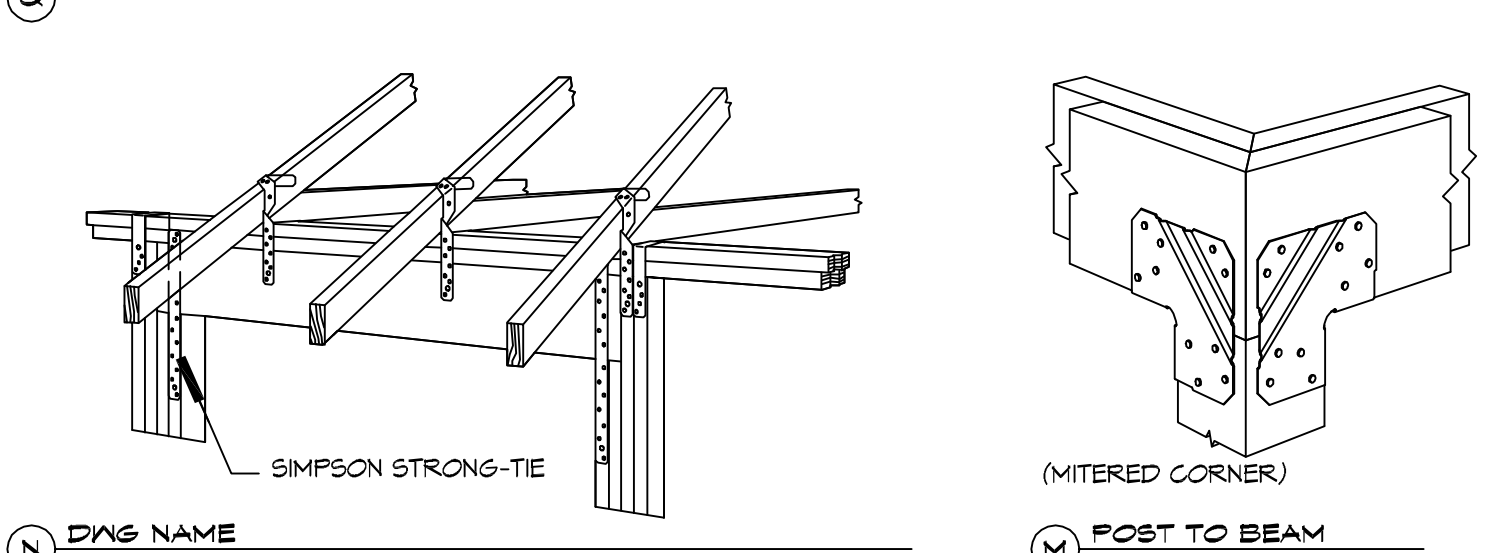
X = PLATE EDGE NAIL SPACING
Y = LONG EDGE NAIL SPACING
Z = FIELD NAIL SPACING

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

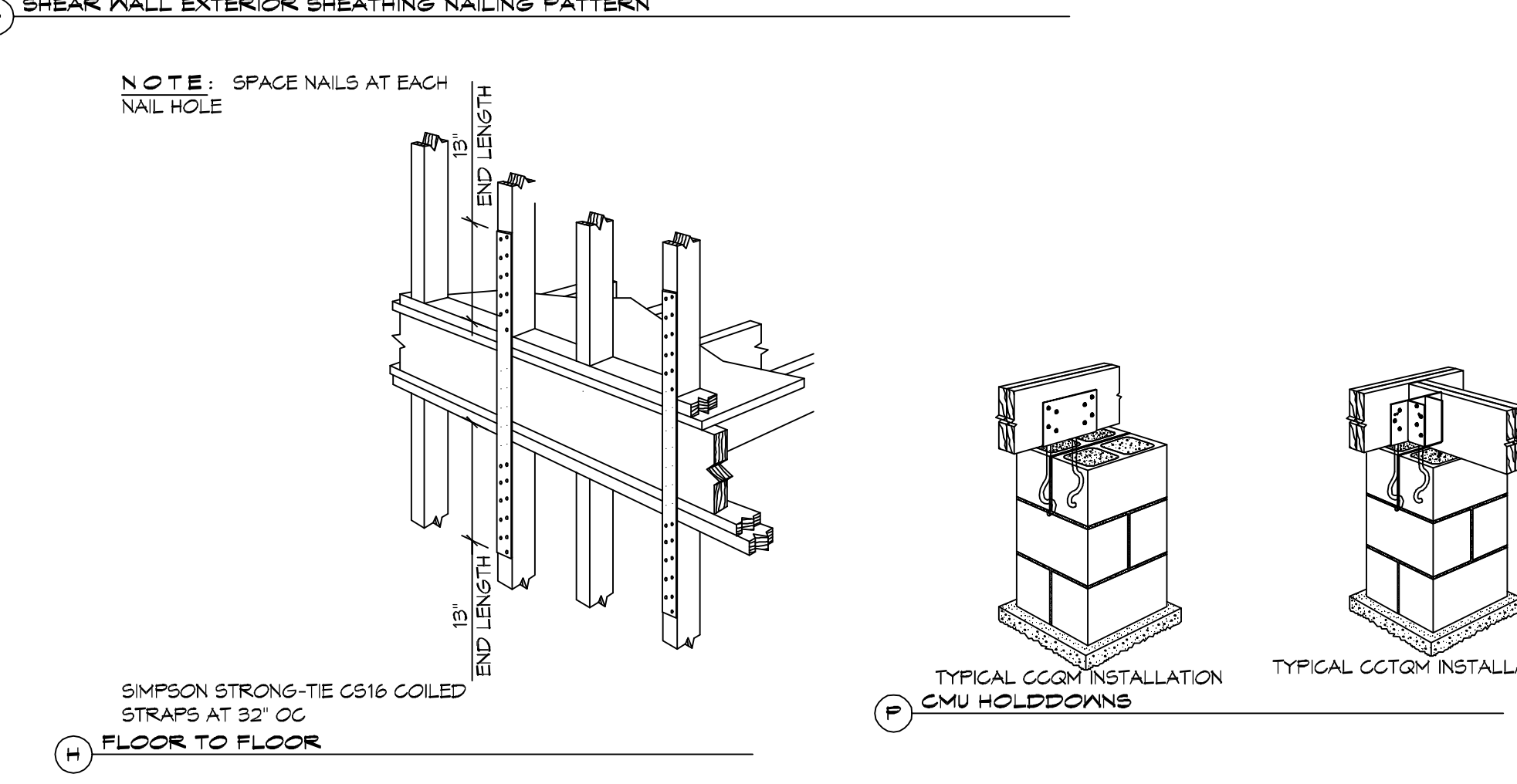
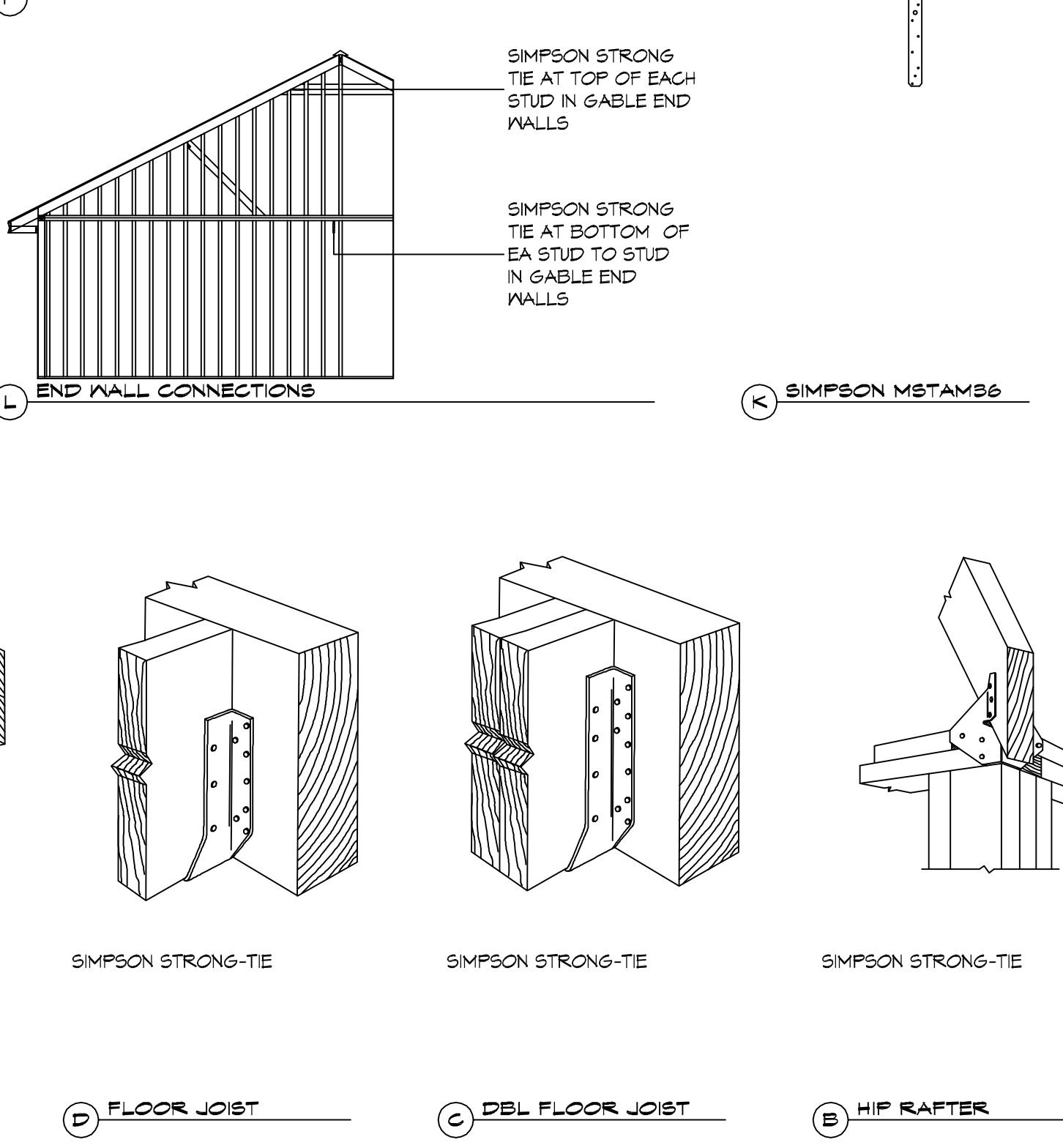
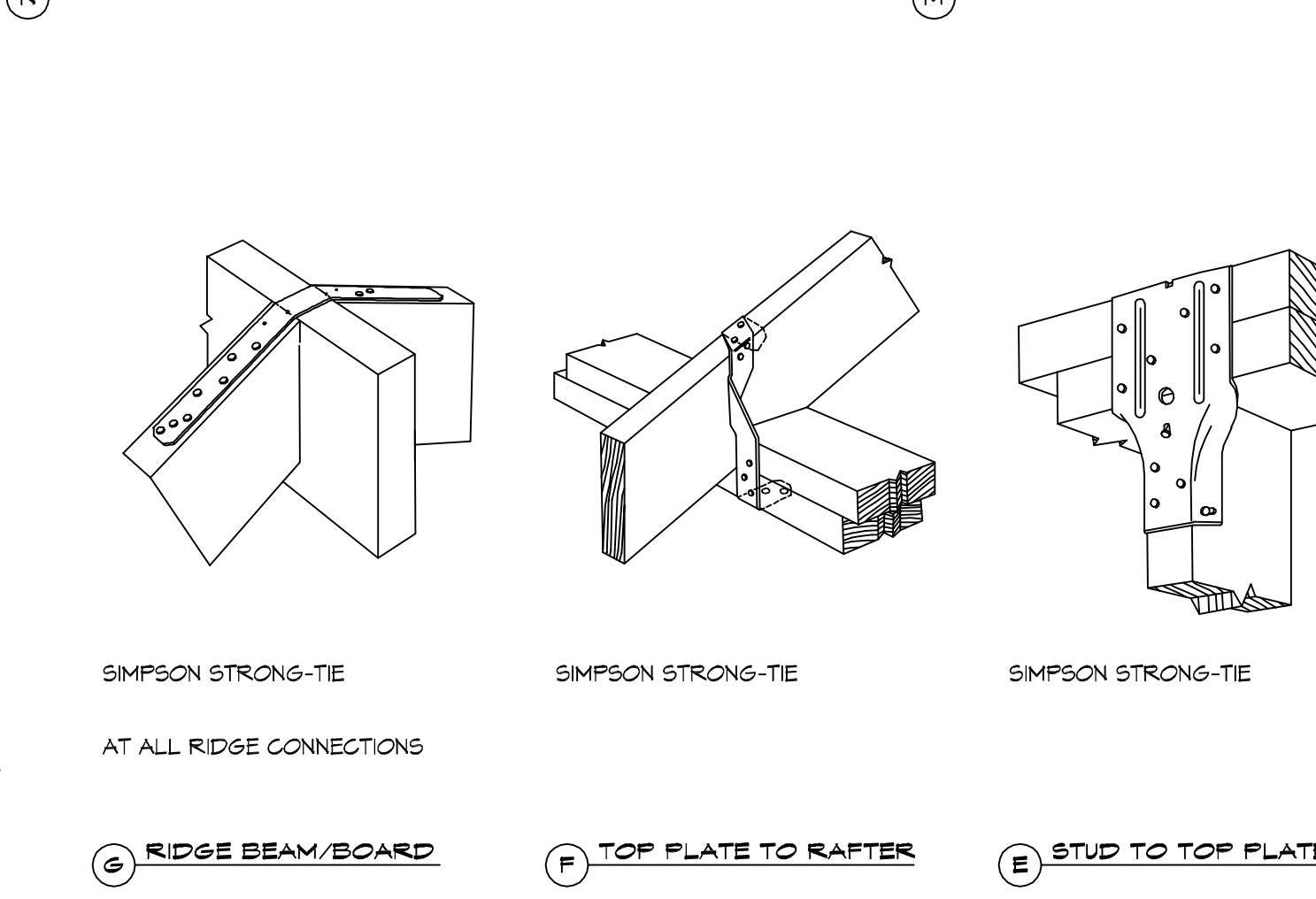
EXTERIOR SHEATHING
5/8" DENSGLASS SHEATHING EXTERIOR FACE STAGGERED 48" O.C. FASTENING @ PANEL EDGES @ 10x1" TEK SCREWS @ 12" O.C. FASTENING @ INTERMEDIATE MEMBERS.



NOTE: HOLD-DOWNS ARE REQUIRED AT THE END OF EACH SEGMENTED SHEARWALL SEGMENT OR AT THE EACH END OF A PERFORATED SHEARWALL. WHEN FULL HEIGHT SHEARWALL SEGMENTS MEET AT A CORNER, A SINGLE HOLD-DOWN SHALL BE PERMITTED TO BE USED TO RESIST THE OVERTURNING FORCES IN BOTH DIRECTIONS WHEN THE CORNER FRAMING IN THE ADJOINING WALLS IS FASTENED TOGETHER TO TRANSFER THE UPLIFT LOAD.



SECTION **ELEVATION**



TYPICAL CONNECTION DETAILS
SCALE: N.T.S.

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REVISIONS

#	DESCRIPTION	DATE

SEAL: **BRIAN A. MISTICH**
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSISSIPPI
20971

CRAIG BERGERON

NEW RESIDENTIAL

6410 HIKED COURT
DIAMONDHEAD, MS 39525

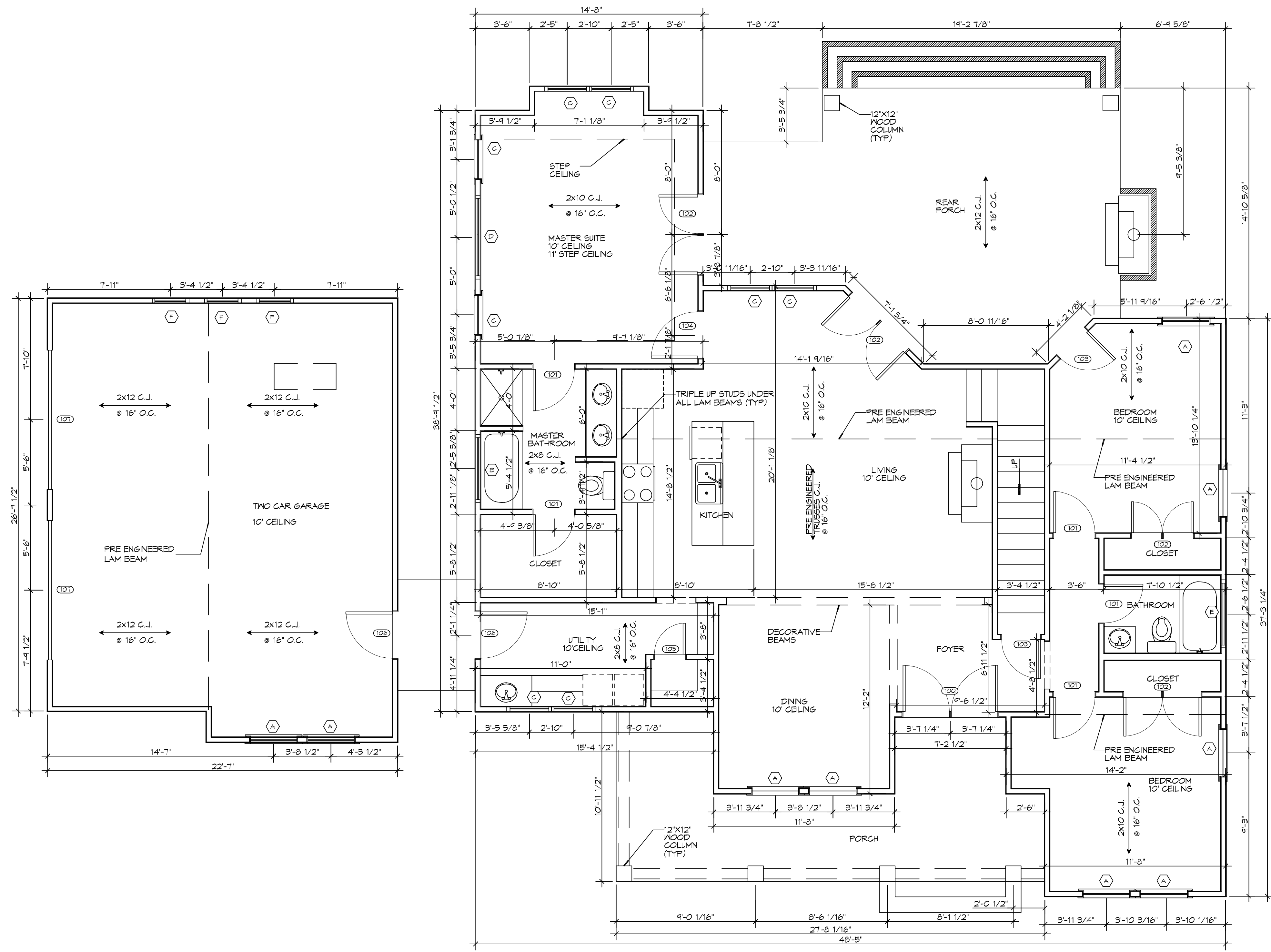
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DRAWN BY: JAGMKM CHECKED BY: CKD

SHEET TITLE:
TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

DRAWING NUMBER:
S102

SHEET No: 3 of 10

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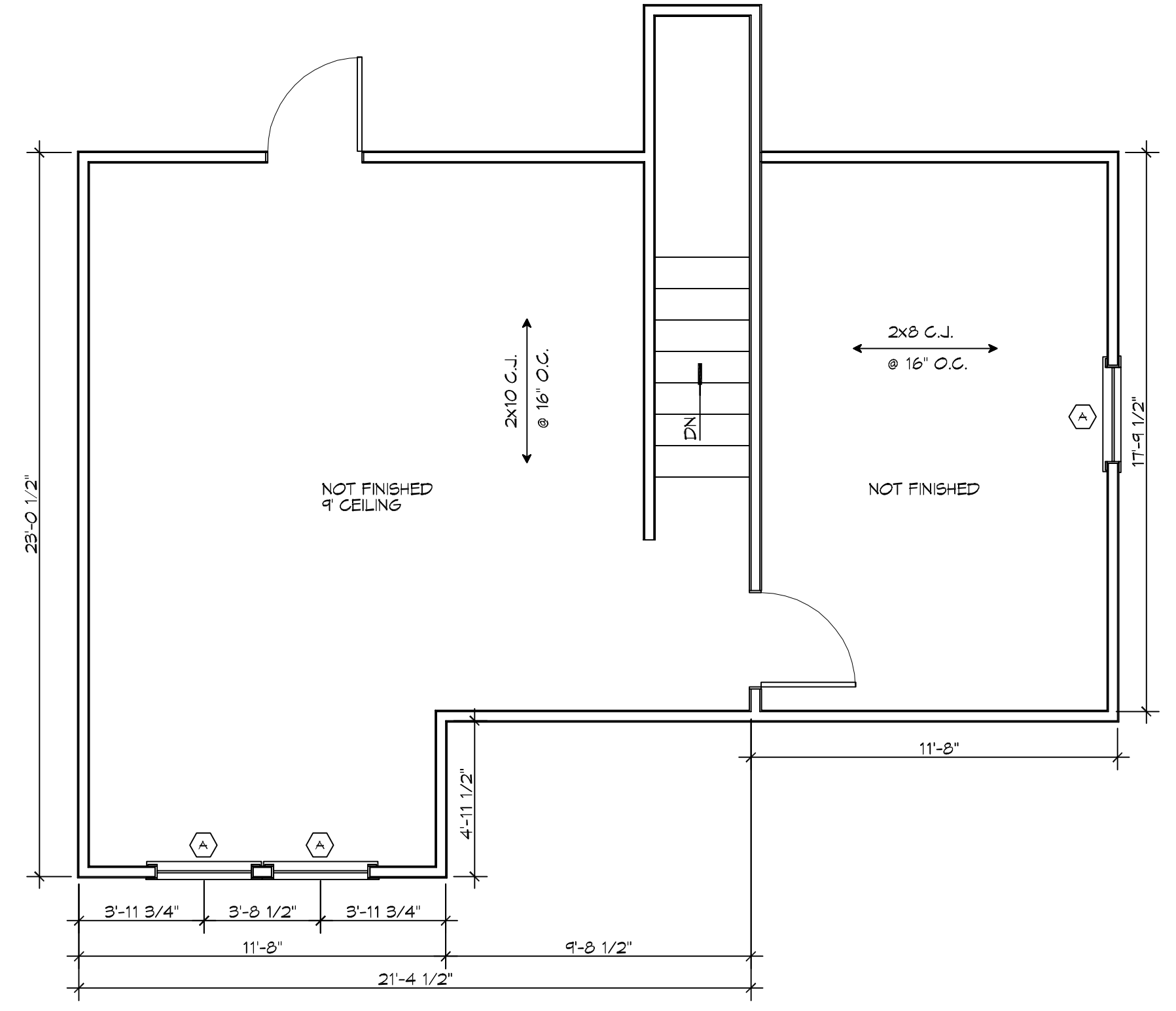


2 LEVEL 1
SCALE: 1/4"=1'-0"

DOOR SCHEDULE							
MK	WIDTH	HEIGHT	THK	DOOR MAT	FRAME MAT	RATED	REMARKS
100	(2) 3'-0"	8'-0"	1-3/4"	INSUL MTL	MTL	NR	
101	2'-8"	8'-0"	1-3/4"	MASONITE	WOOD	NR	
102	(2) 2'-6"	8'-0"	1-3/4"	MASONITE	WOOD	NR	
103	2'-6"	8'-0"	1-3/4"	MASONITE	WOOD	NR	
104	3'-0"	8'-0"	1-3/4"	MASONITE	WOOD	NR	
105	2'-0"	8'-0"	1-3/4"	MASONITE	WOOD	NR	
106	3'-0"	8'-0"	1-3/4"	INSUL MTL	MTL	NR	
107	(2) 9'-0"	7'-0"	-	MTL	MTL	NR	GARAGE DOOR

FINISH SCHEDULE						
ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS	
FIRST FLOOR	LAMINATE WOOD	6" BASEBOARD	5/8" GYP BD	5/8" GYP BD	TYPE "X"	
BATHROOMS	CERAMIC	CERAMIC	5/8" GYP BD	5/8" GYP BD	MOISTURE RESISTANT TYPE "X"	
SECOND FLOOR	LAMINATE WOOD	6" BASEBOARD	5/8" GYP BD	5/8" GYP BD	TYPE "X"	

WINDOW SCHEDULE					
MK	SIZE	FRAME	TYPE	REMARKS	
A	3'-0" W x 5'-0" H	ALUM	OPERABLE		
B	4'-0" W x 4'-0" H	ALUM	-	TRANSOM WINDOW	
C	2'-6" W x 5'-0" H	ALUM	OPERABLE		
D	5'-0" W x 2'-0" H	ALUM	-	TRANSOM WINDOW	
E	4'-0" W x 1'-0" H	ALUM	-	TRANSOM WINDOW	
F	2'-0" W x 2'-0" H	ALUM	-	TRANSOM WINDOW	



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

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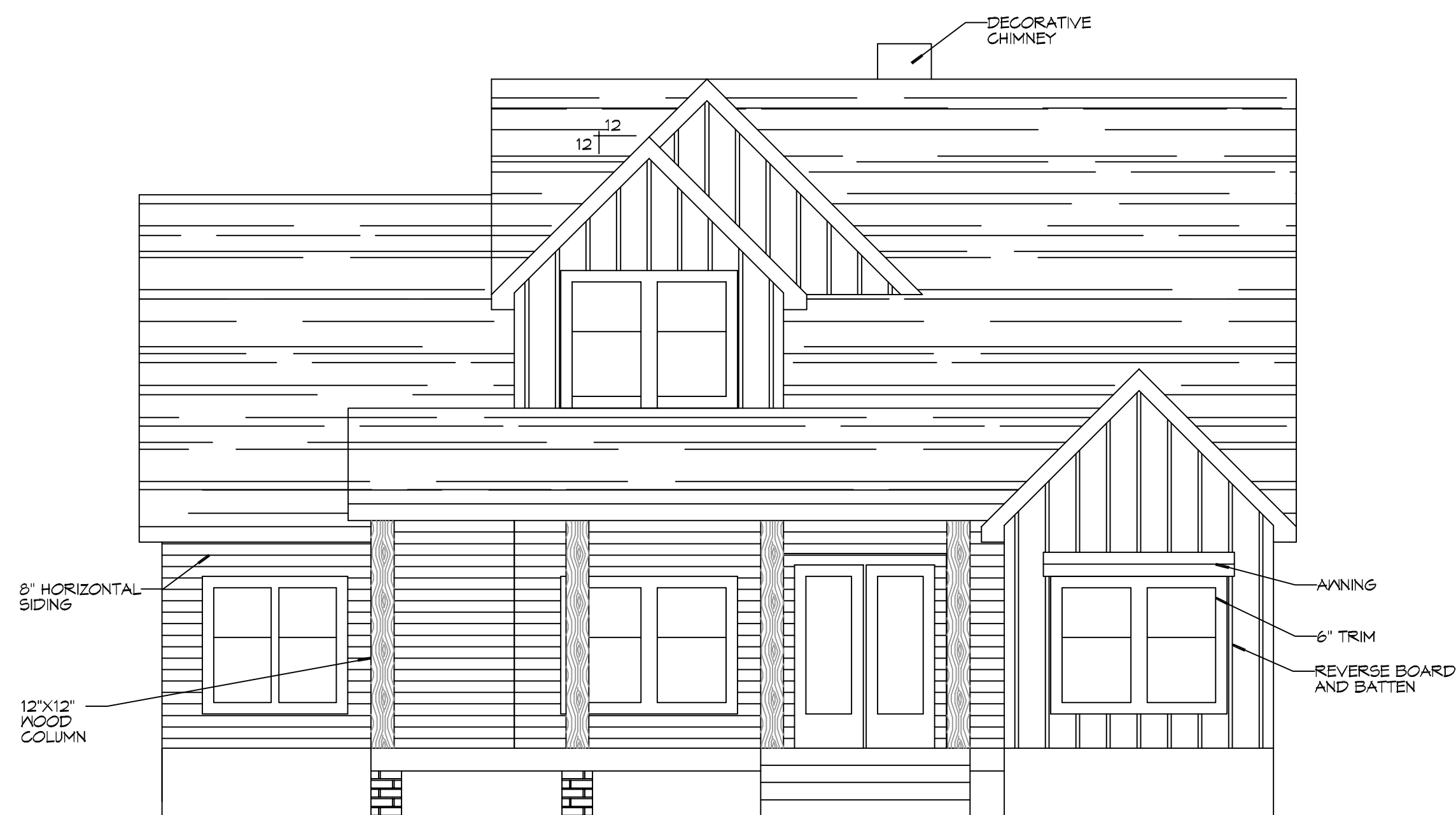
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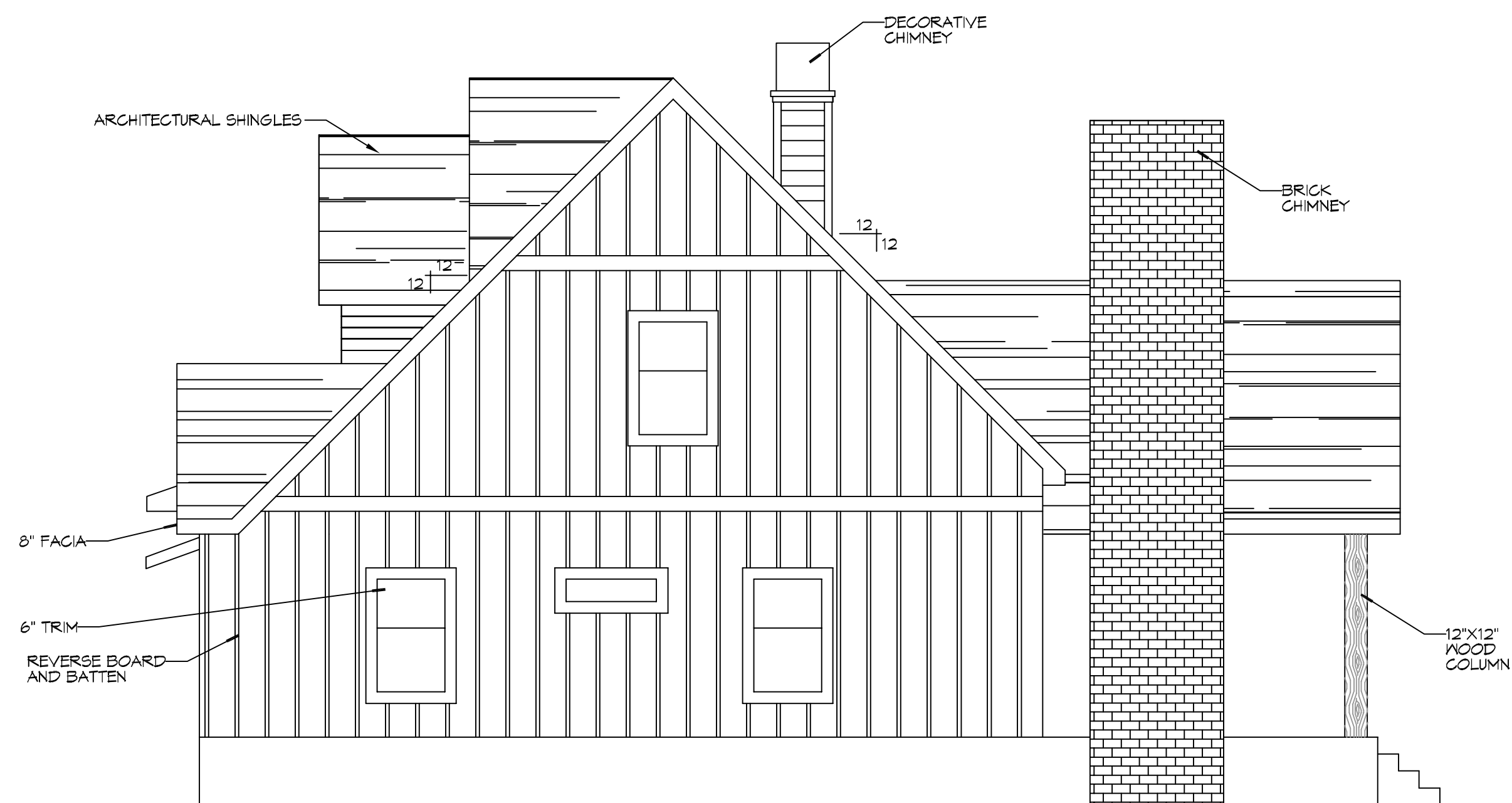
CRAIG BERGERON
 NEW RESIDENTIAL
 6410 HUNCO COURT
 DIAMONDHEAD, MS 39525
 JOB No: 2019 DATE: 08-26-2019
 DRAWN BY: RLD CHECKED BY: CKD

SHEET TITLE:
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 SHEET No: 4 of 10

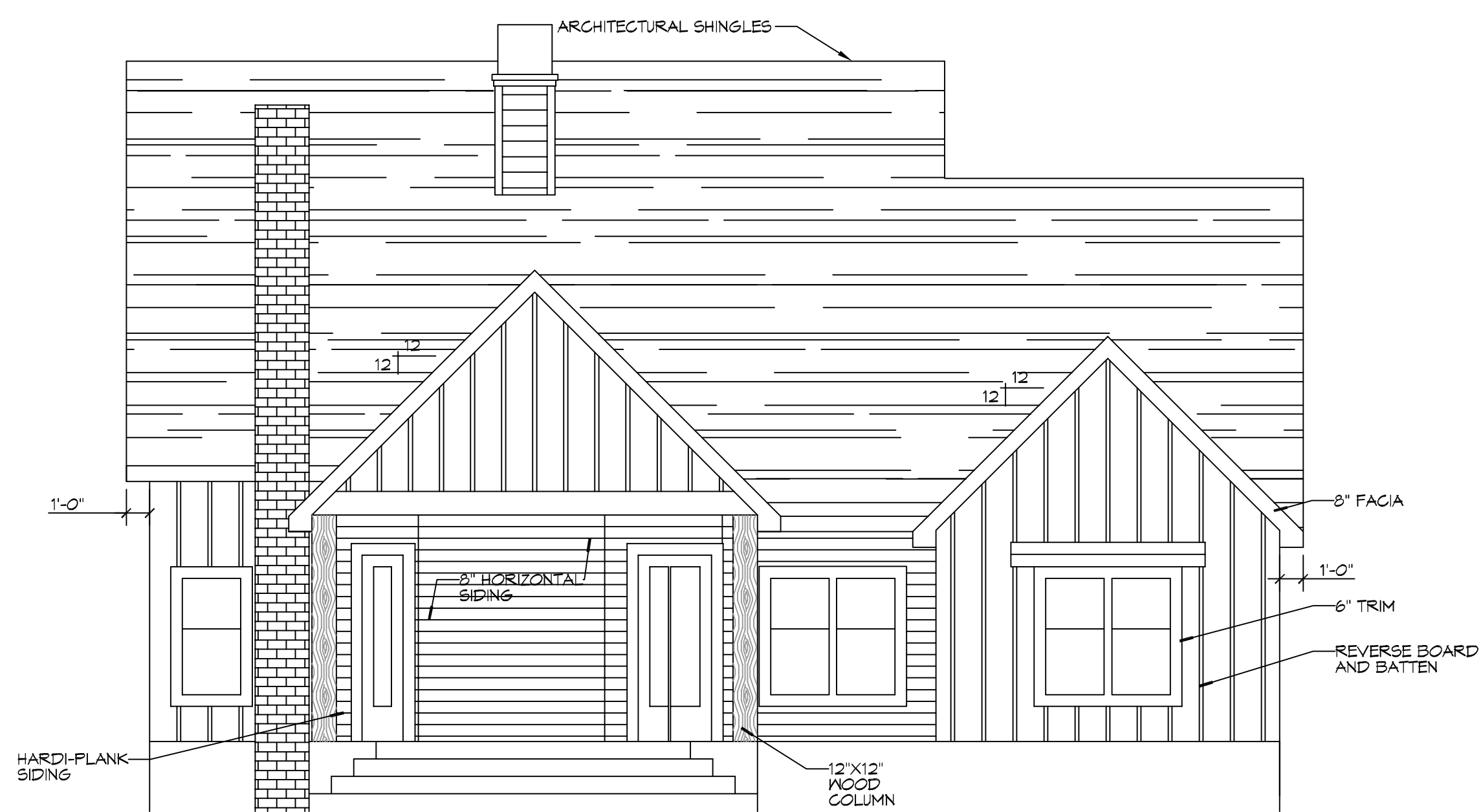
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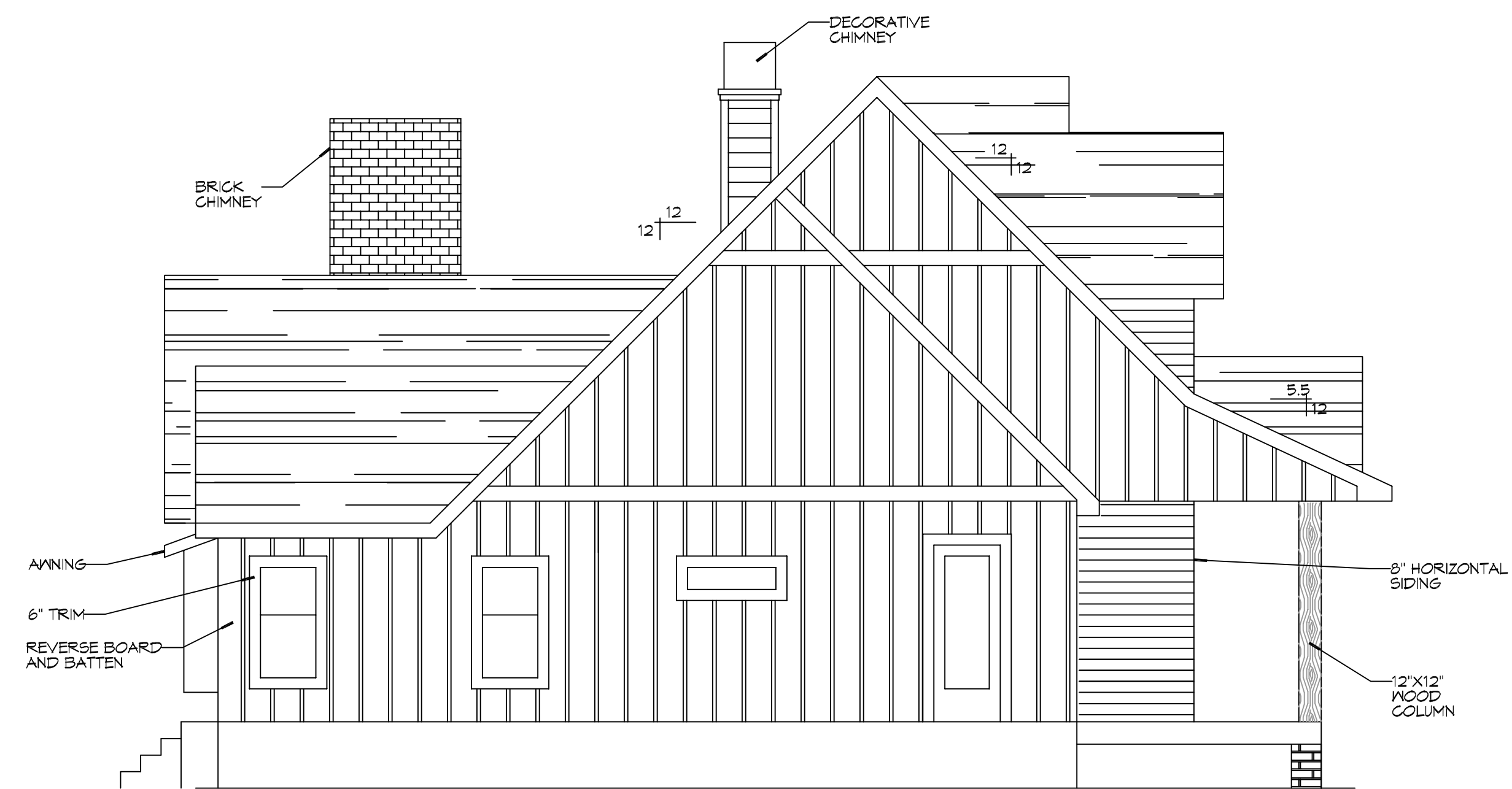
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7 SIDE ELEVATION
SCALE: 3/16"=1'-0"



4 REAR ELEVATION
SCALE: 3/16"=1'-0"



5 SIDE ELEVATION
SCALE: 3/16"=1'-0"

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#	DESCRIPTION	DATE

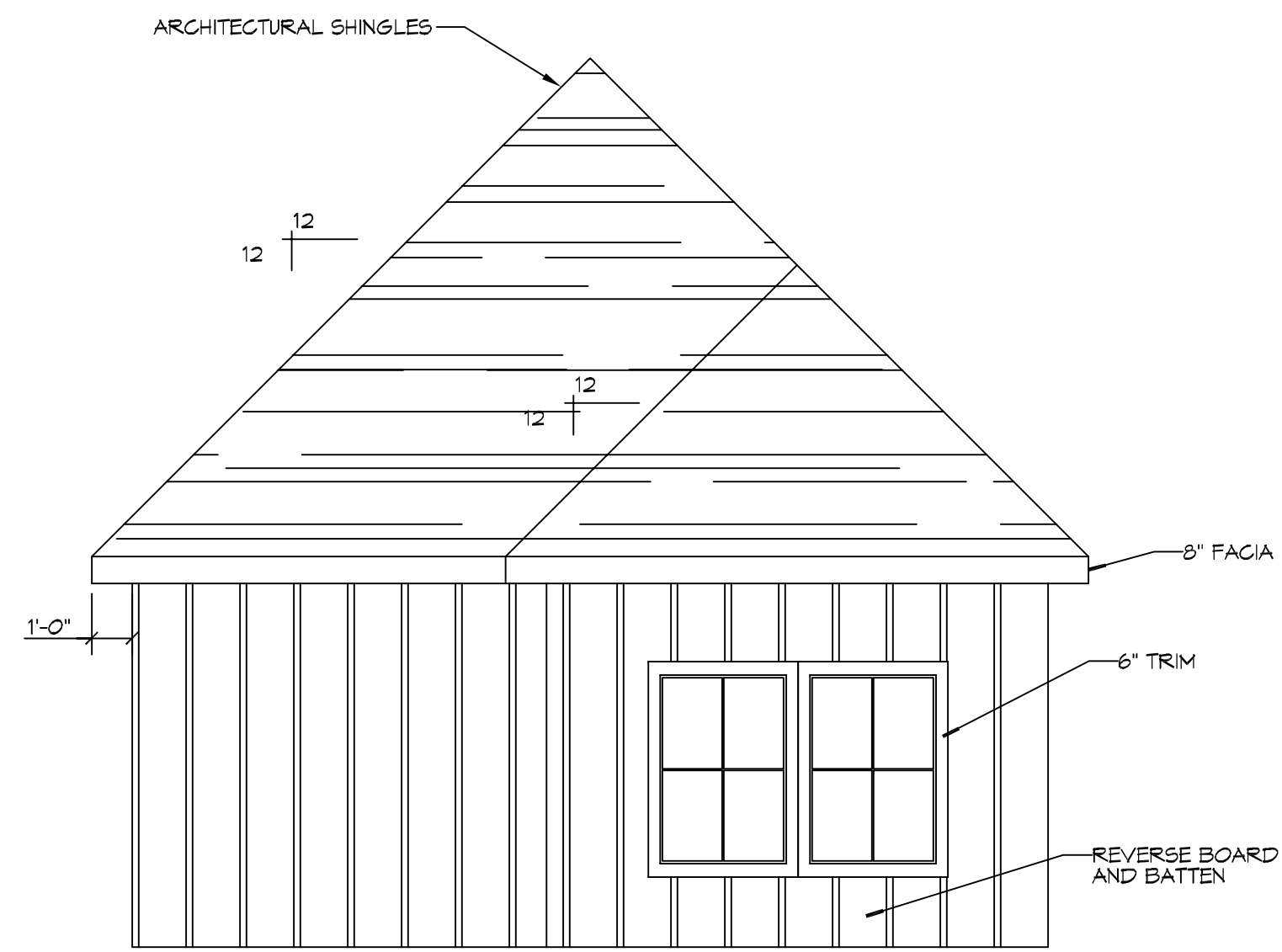


NEW RESIDENTIAL
CRAIG BERGERON
6410 HUNCO COURT
DIAMONHEAD, MS 39525
JOB No: 2019 DATE: 08-26-2019
DRAWN BY: NFE CHECKED BY: NFE

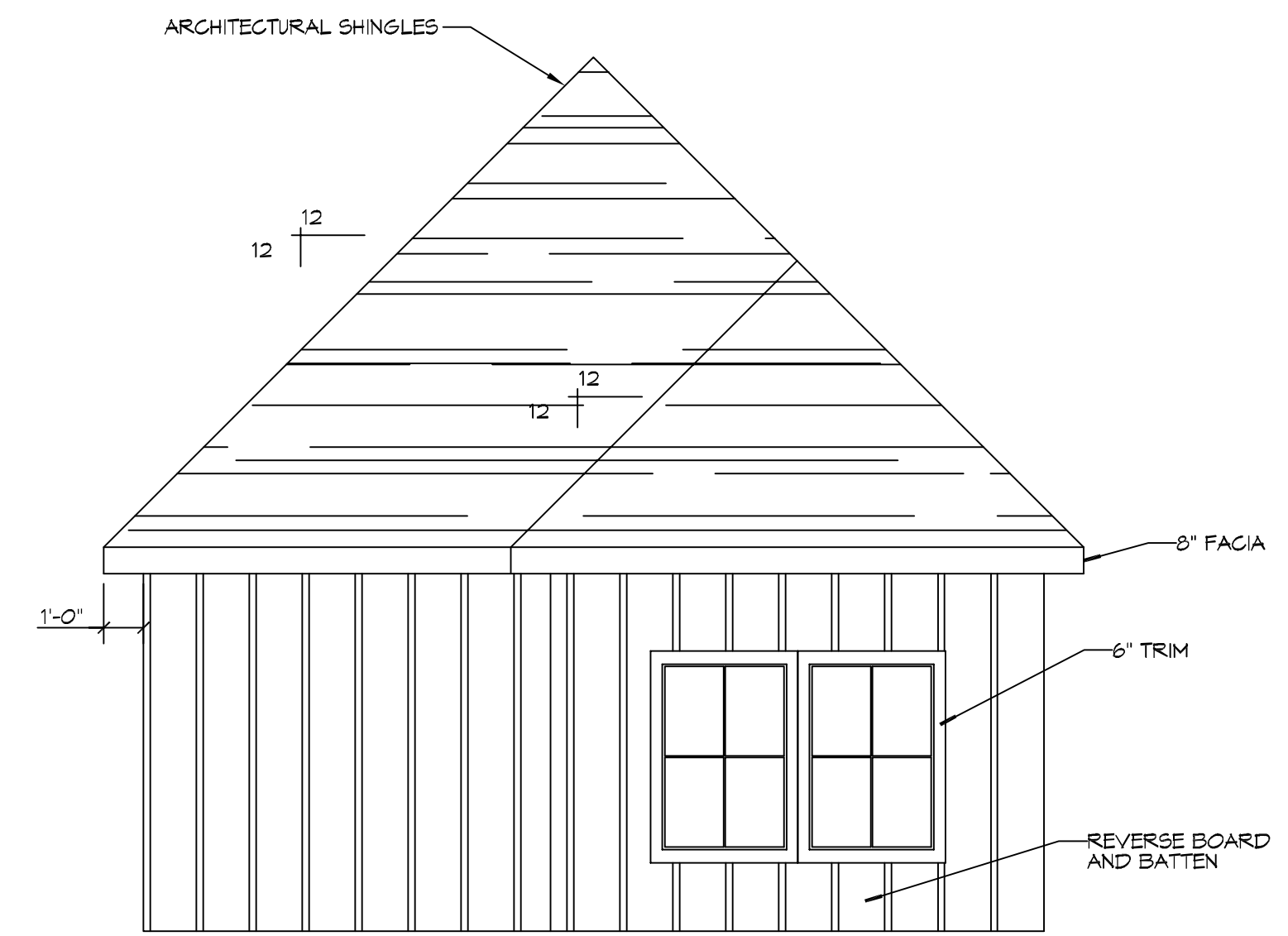
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BUILDING
ELEVATIONS

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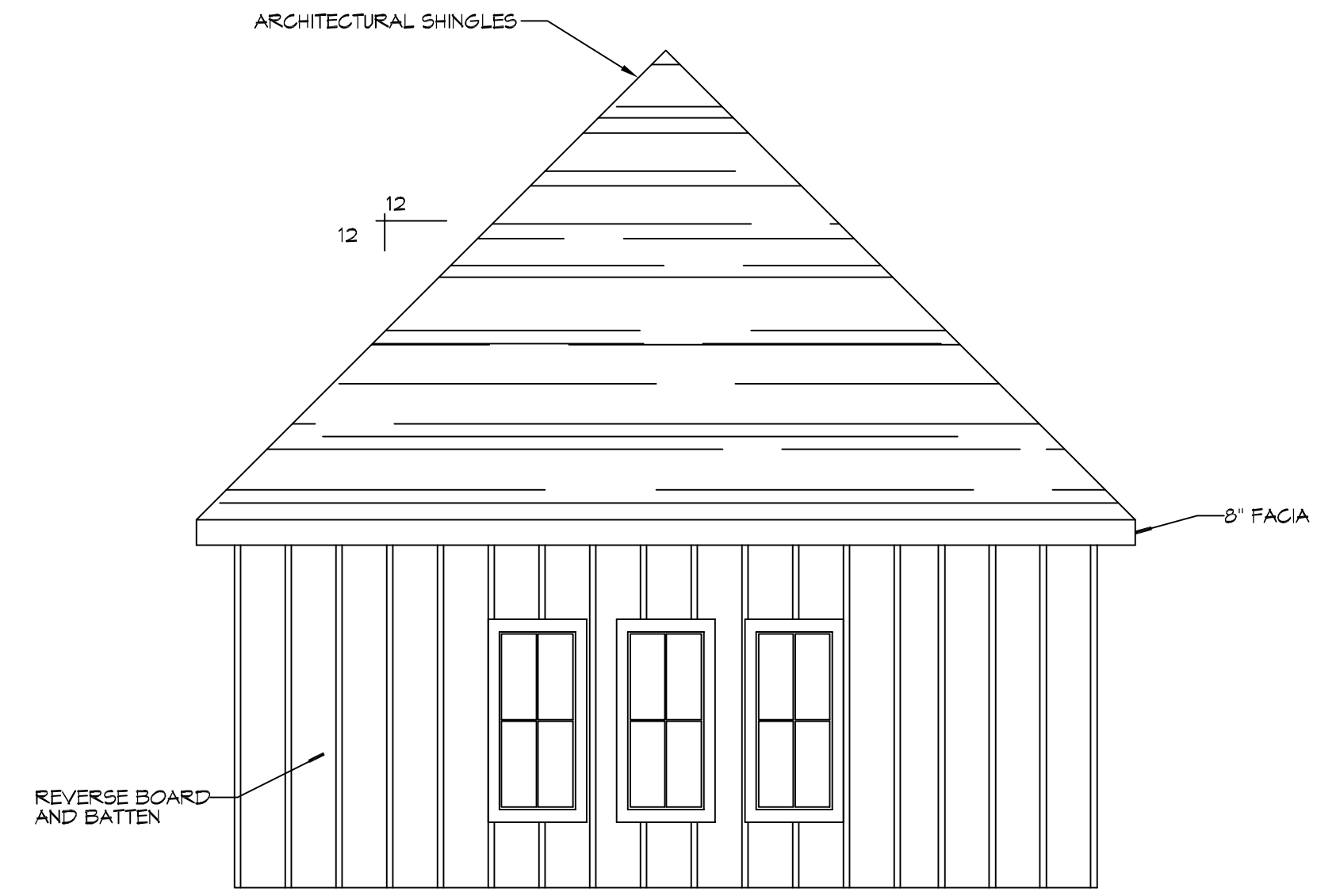
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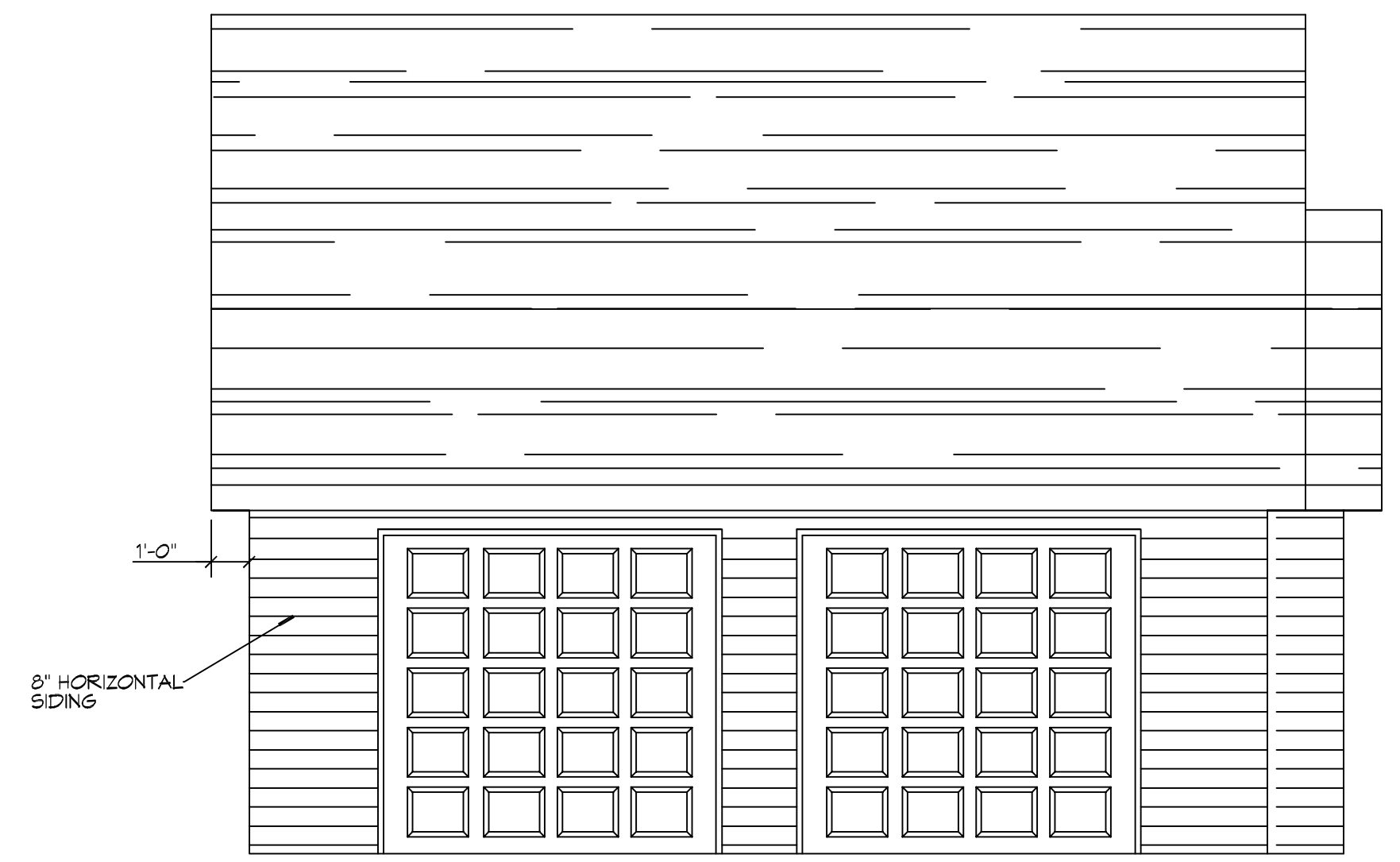
10 FRONT ELEVATION
SCALE: 1/4"=1'-0"



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



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



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

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#	DESCRIPTION	DATE

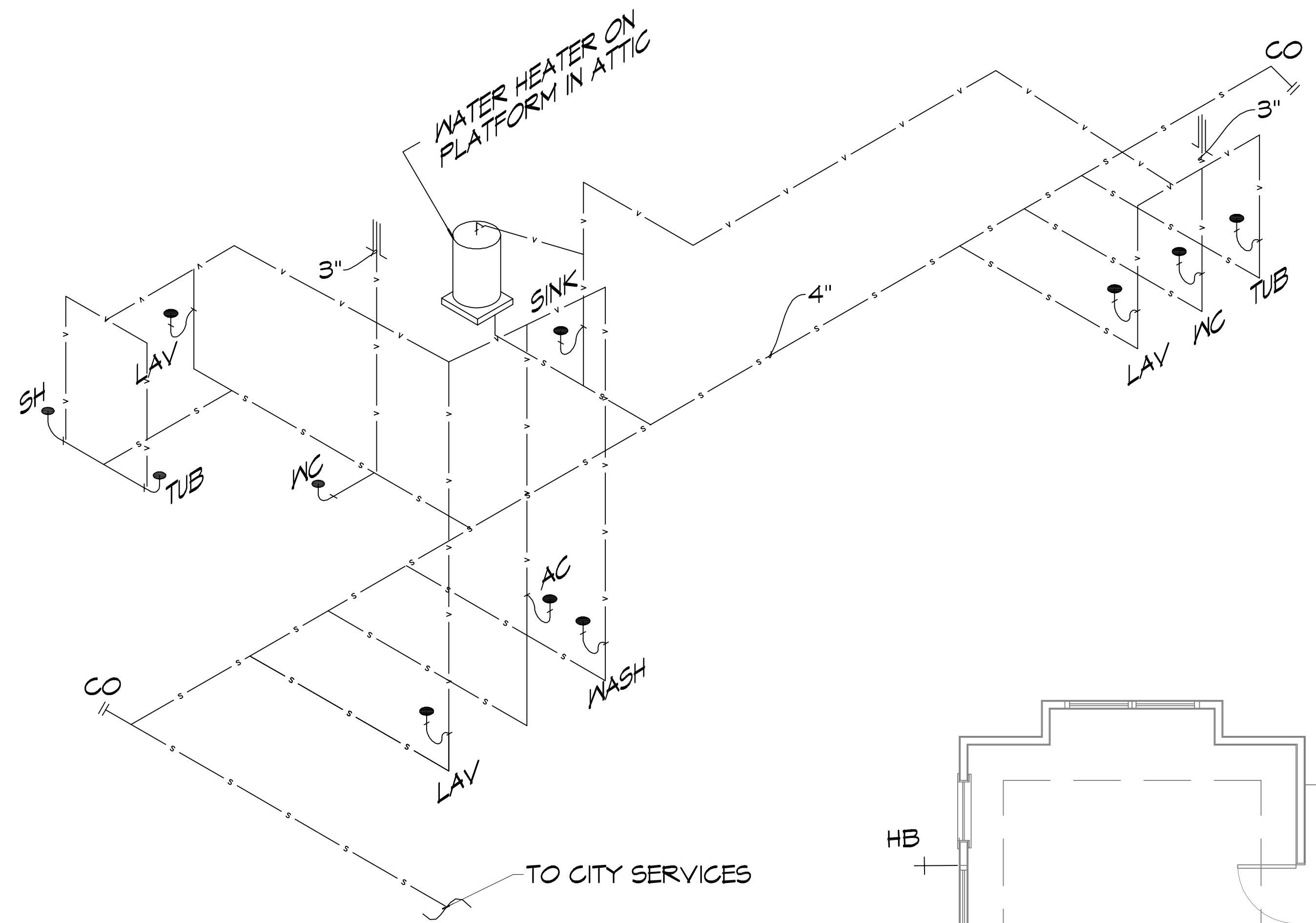


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6410 HUNCO COURT
DIAMONDHEAD, MS 39525
JOB No: DATE: 08-26-2019
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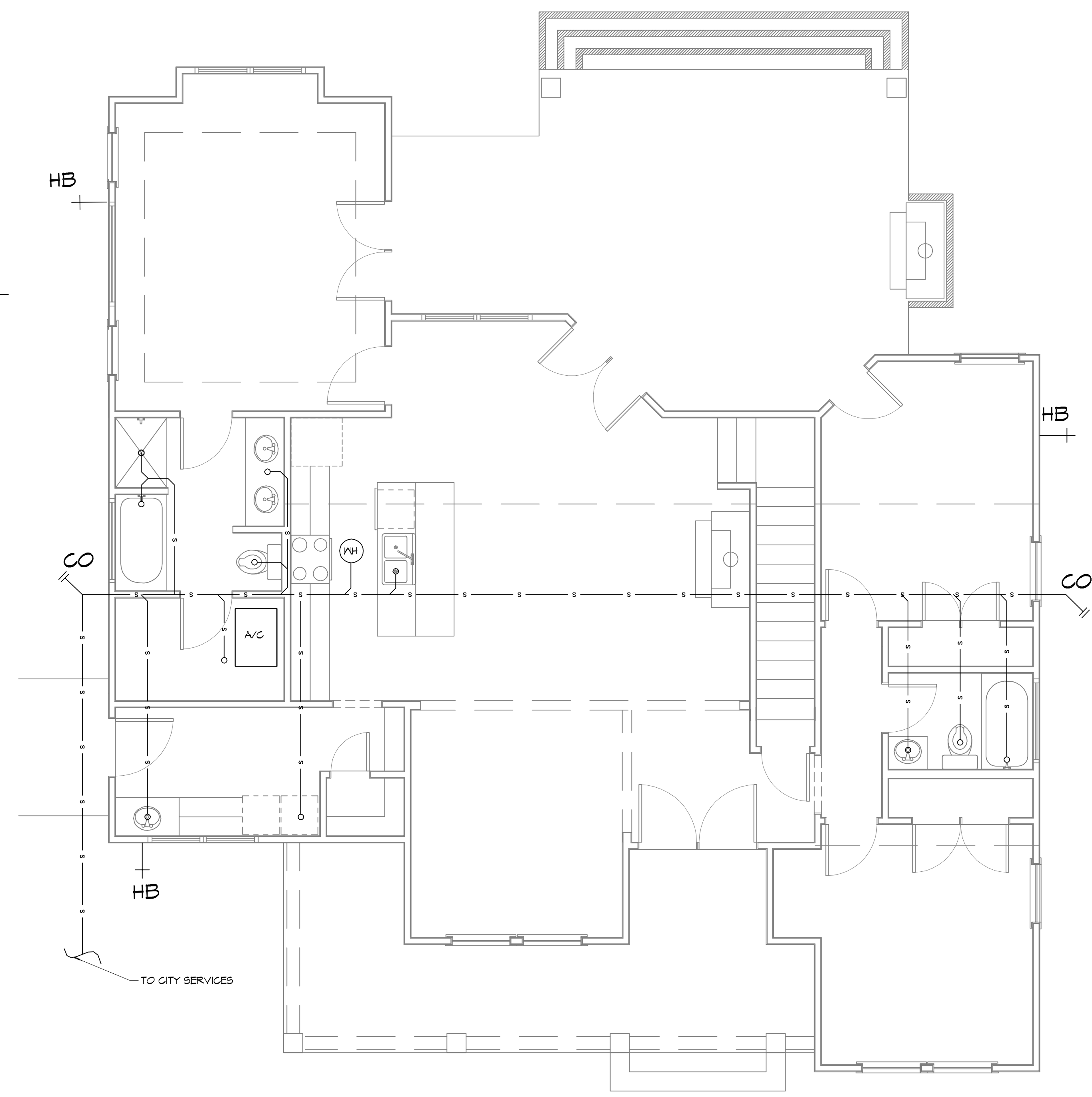
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GARAGE
ELEVATIONS

DRAWING NUMBER:
A103

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17 PLUMBING RISER
SCALE: 1/4"=1'-0"



16 PLUMBING PLAN
SCALE: 1/4"=1'-0"

GENERAL PLUMBING NOTES

1. PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
2. PROVIDE ALL LABOR, MATERIAL, TRANSPORTATION, SUPERVISION, CLEAN-UP, SERVICES, 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 RESTRICTIONS TO VOLUME. CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
3. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES. MUST MEET LA STATE PLUMBING CODE 2013 REQUIREMENTS.
4. 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.
5. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
6. SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
7. TEST ALL PIPING AT REQUIRED PRESSURE.
8. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL SYSTEM AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
9. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
10. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
11. 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.
12. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATERTUBE, 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.
13. 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 DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
14. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
15. ALL VENTS THROUGH ROOF (VTR) SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY MECHANICAL OR NATURAL AIR INTAKE.

PLUMBING ABBREVIATIONS

LAV	LAVATORY
WC	WATER CLOSET
WASH	WASHING MACHINE
WH	WATER HEATER
SINK	SINK
FD	FLOOR DRAIN

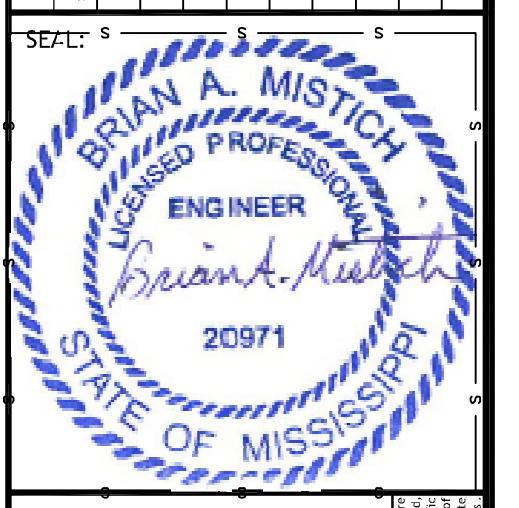
LEGEND

SYMBOL	DESCRIPTION
— s — s —	SANITARY SEWER
— v — v —	VENT PIPE
— CO —	LINE CLEAN OUT

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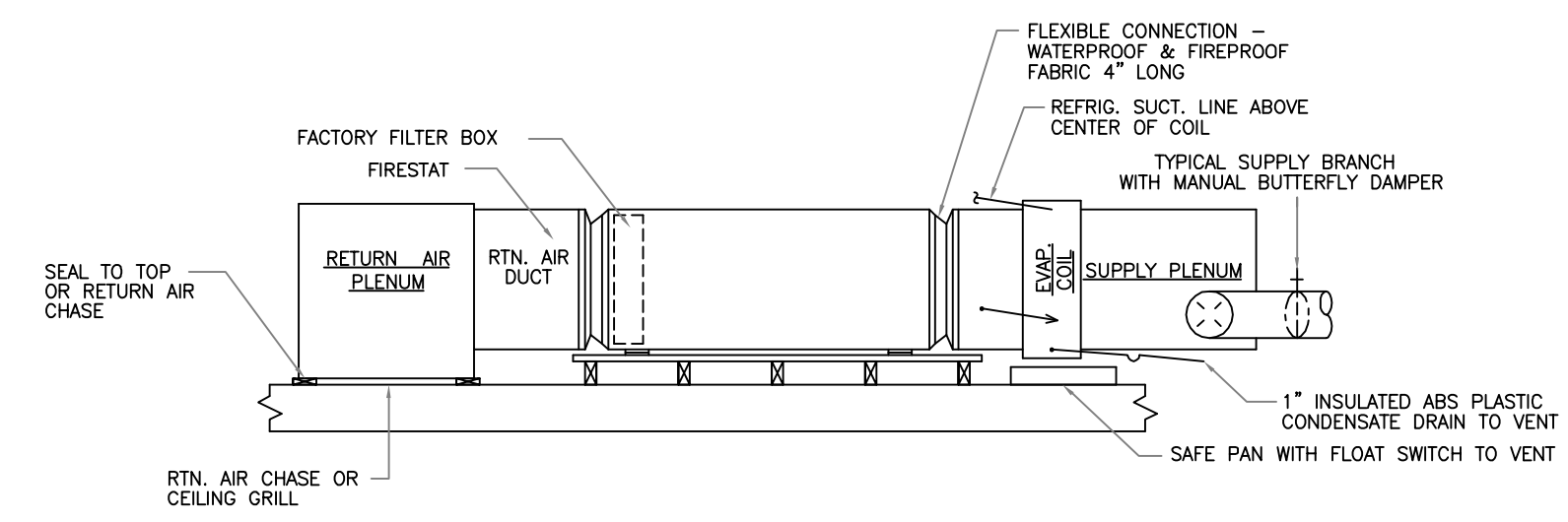
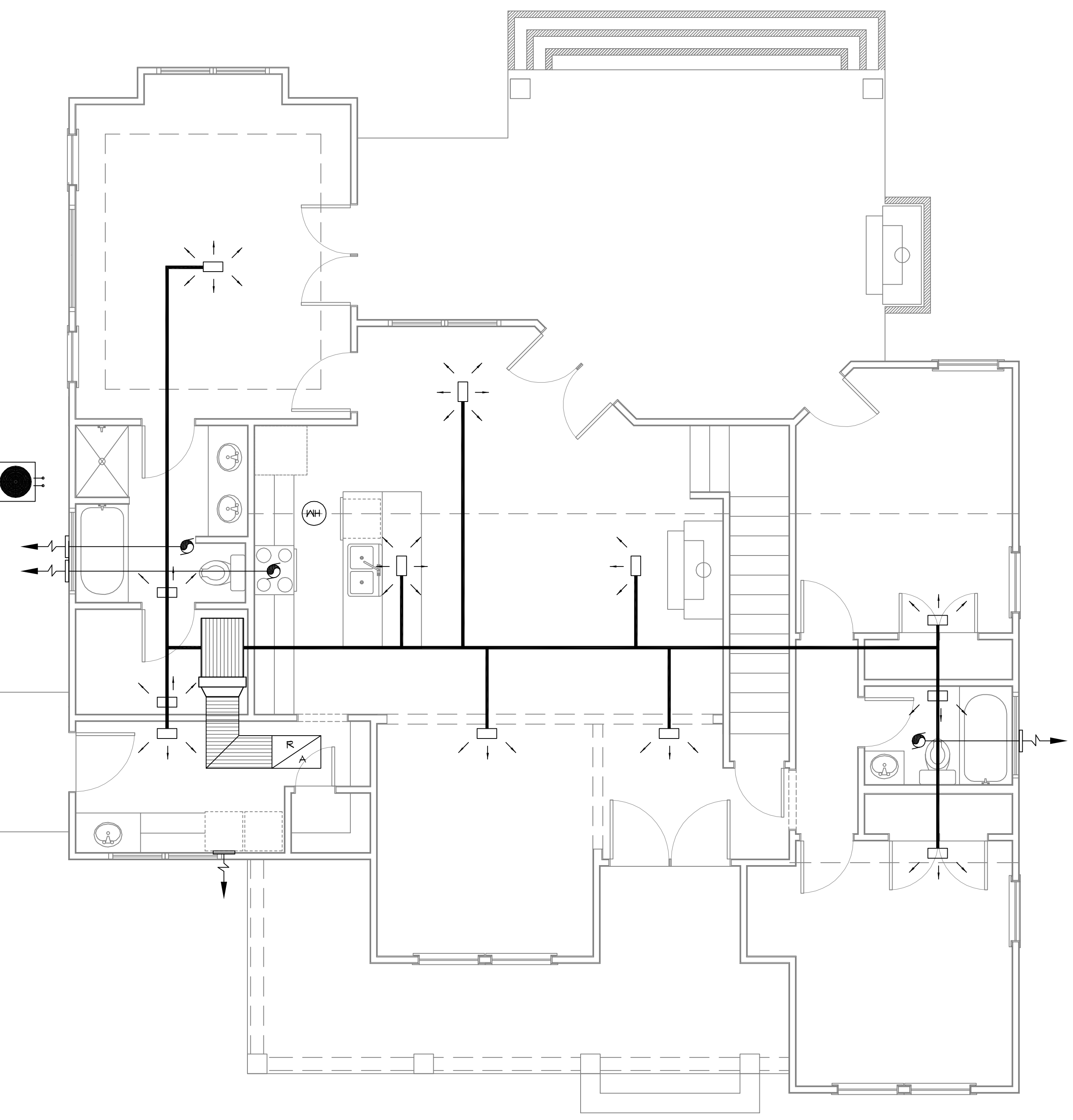
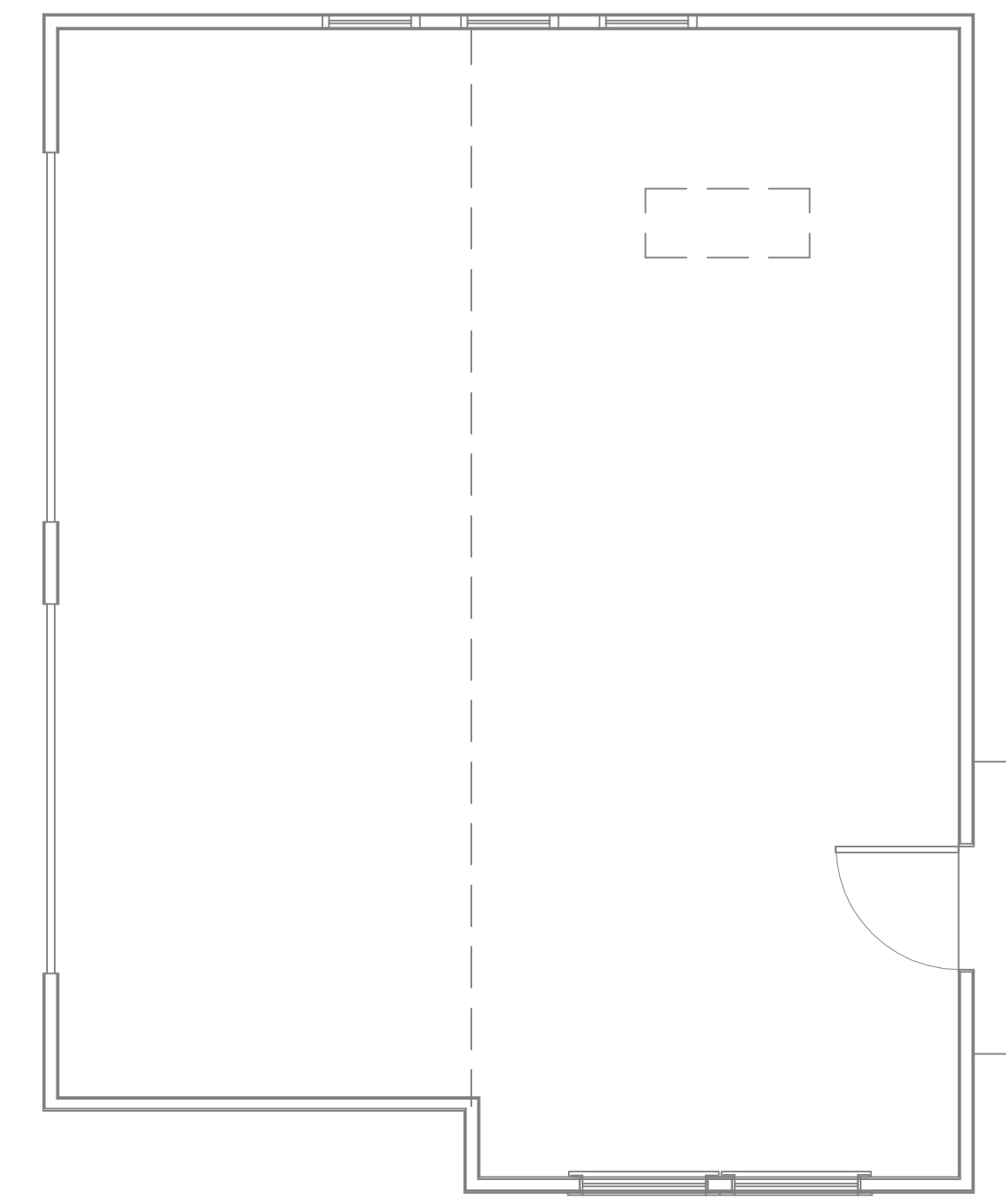
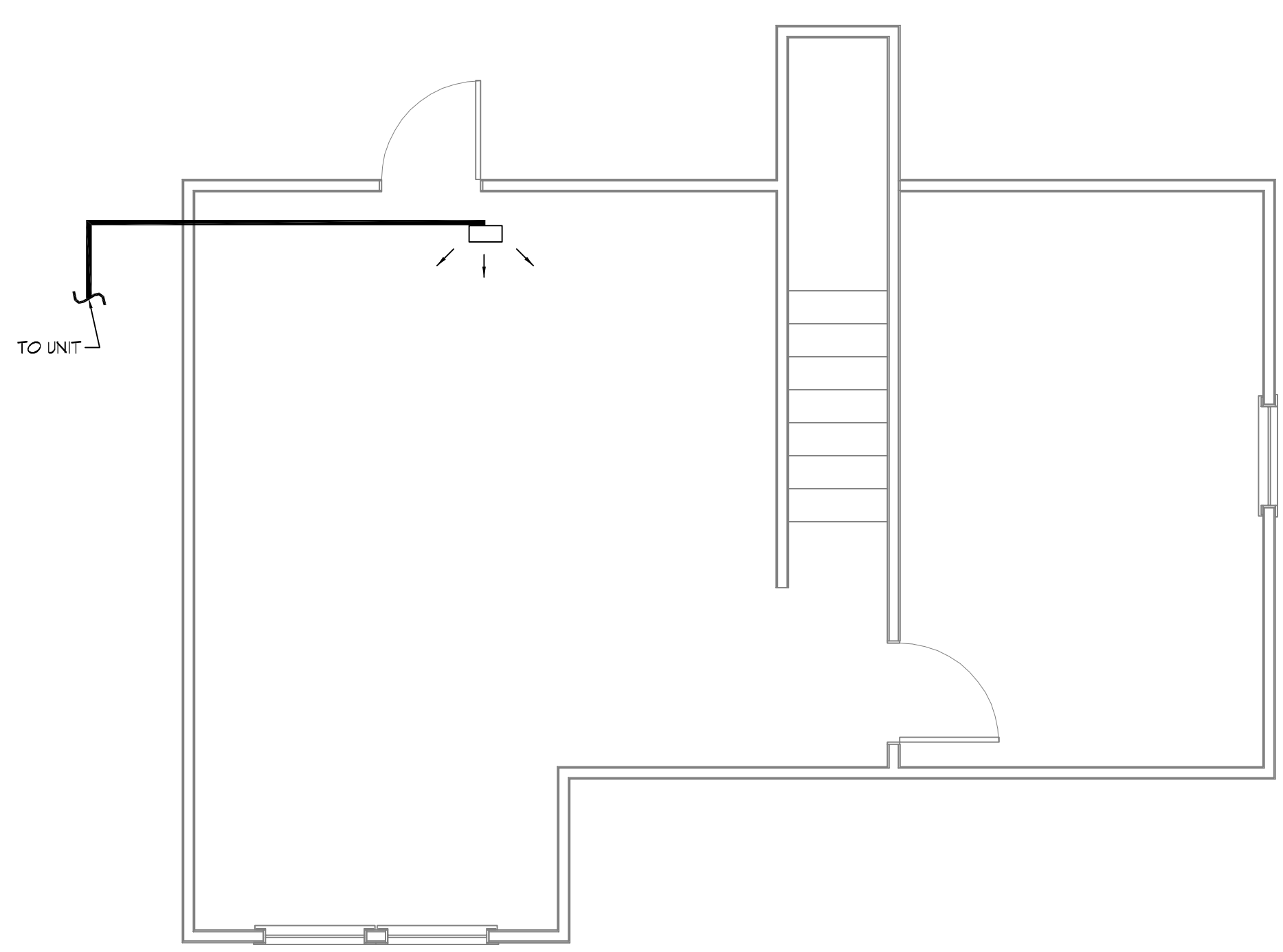
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DATE: 09-26-2014
DRAWN BY: RLD
CHECKED BY: RLD

SHEET TITLE:
PLUMBING SCHEMATIC

DRAWING NUMBER:

P101

REV. DATE: 04-18-2019 BY: B. A. MISTICH FOR: B. BERGERON



HVAC HORIZONTAL TYPE
SCALE: NONE

HVAC NOTES

HEATER: GAS
 RETURN AIR: 24" X 24" FILTER GRILLES
 COMPRESSOR MOTOR 1/4 FRACTIONAL HP BLOWER MOTOR
 REGISTERS: THREE WAY THROW - 10" X 6" OR 12" X 6" COIL DRAIN CONNECTED TO PLUMBING WITH 1 1/2" P-TRAP 4'-0" MIN. ATTIC SPACE AT UNIT PROVIDE SOLID CATWALK FROM DISP. 5'WAY TO UNIT AND WATER HEATER.
 PROVIDE GALV. METAL PAN AND CUTOFF UNDER UNIT AND W/H - DRAIN TO SEWER LINE.
 * HVAC CONTRACTOR TO SIZE DUCTS AND BALANCE SYSTEM.
 * HVAC CONTRACTOR TO VENT THE FOLLOWING: HEATER VENT BATHROOMS & STOVE HOOD IN KITCHEN.

NOTES

- MECHANICAL SUBCONTRACTOR TO INSTALL HVAC SYSTEM, ACCORDING TO NATIONAL, STATE AND CITY CODE.
- MECHANICAL SUBCONTRACTOR TO VERIFY HVAC DESIGN LOADS.
- OWNER TO SELECT PLUMBING FIXTURES WITH CONTRACTOR.
- DRAWINGS OF SYSTEM ARE SCHEMATIC AND SHOULD BE CONFIRMED BY SUBCONTRACTOR.
- DUCTS AS SHOWN 26 GAUGE 6.1 INSULATE 1/2" FIBERGLASS INSULATION.
 * MIN. DUCT SIZE 8" DIAMETER
 * MIN. DIFF. SIZE 10" DIAMETER WITH AIR VOLUME REG.
- PLACE DAMPER CONTROLS IN ALL DUCT RUNS.
- THERMOSTAT MIN. HONEYWELL. - WALL MOUNTED
- MIN. CLEARANCE AT UNIT TO BE 4'-0".
- PROVIDE 3/4" PLYWOOD, 24" MIN. WIDE CATWALK TO ALL MECHANICALS IN ATTIC. CATWALK - GREATER THAN 20' NEED 6' HEADROOM - MAX. 50' LENGTH. MAINTAIN PROPER CLEARANCE AT UNITS SERVICE AREA
- CLEARANCE OF ALL HEAT PRODUCING APPLIANCES TO BE GREATER THAN 18" ABOVE OR 6" TO THE SIDE.
- SEC. R315: CARBON MONOXIDE ALARMS - REQUIRED IN THE SMOKE ALARMS
- A/C DRAIN TO 1-1/2" P-TRAP
- PROVIDE 30" MIN. WIDE WORKING PLATFORM TO ACCESS SIDE OF HVAC. ATTIC DECKED WORK AREA MIN. 30" X 30".
- HVLS, VLS, HV'S & GAS RANGE HOODS MUST VENT OUTSIDE. BATHROOM EXHAUST VENTS TO THE OUTSIDE OR PROVIDE MINIMUM 1.5 SQUARE FEET OPENABLE AREA.
- DRYER MUST BE VENTED TO THE EXTERIOR OF THE RESIDENCE, IN COMPLIANCE WITH THE MECHANICAL CODE. DRYER VENT, LENGTH (MAX. LENGTH 25', - 5' FOR 90 DEGREE TURN, - 2.5' FOR 45 DEGREE TURN OR PER MANUFACTURER) AND DISCHARGE LOCATION.

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

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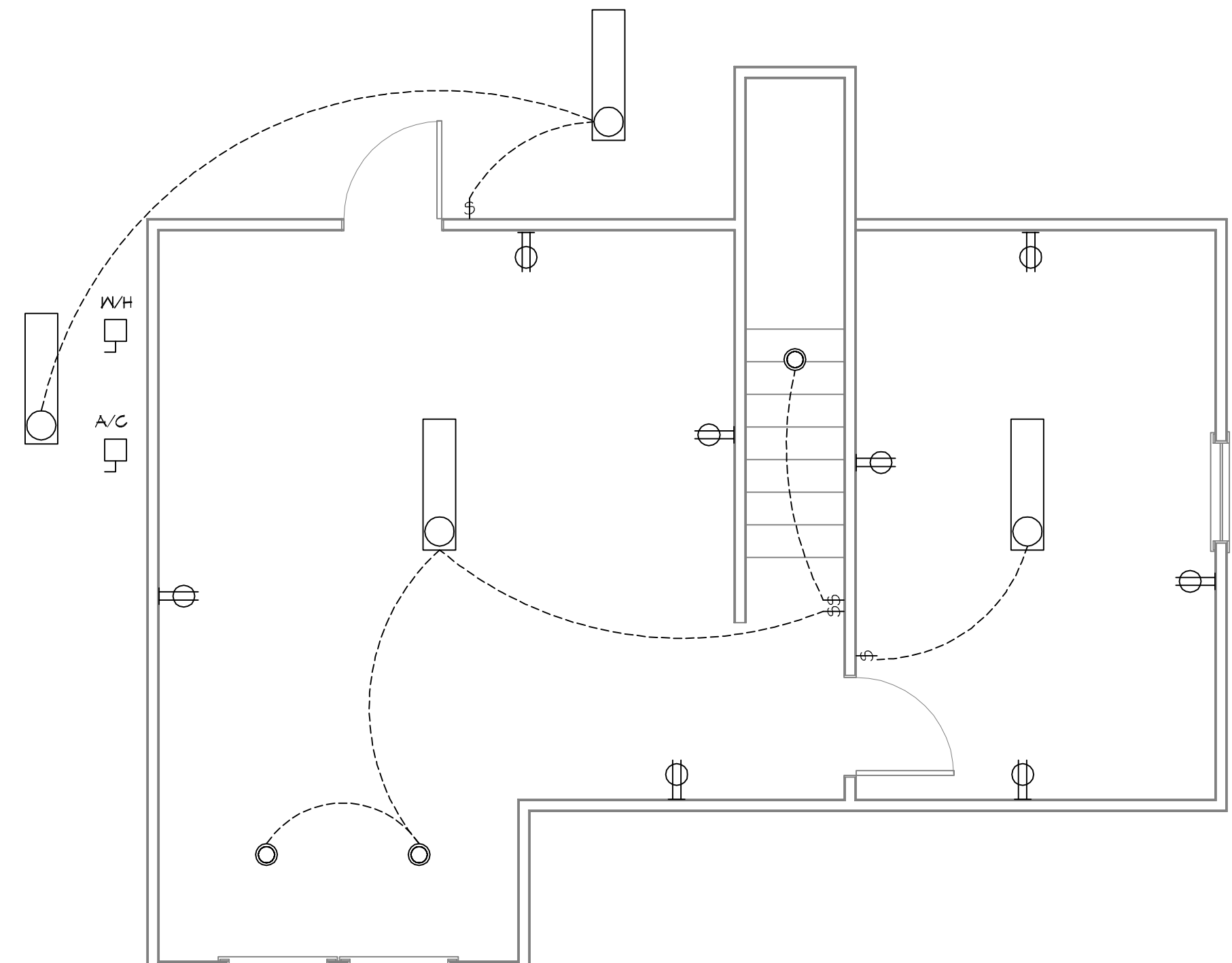
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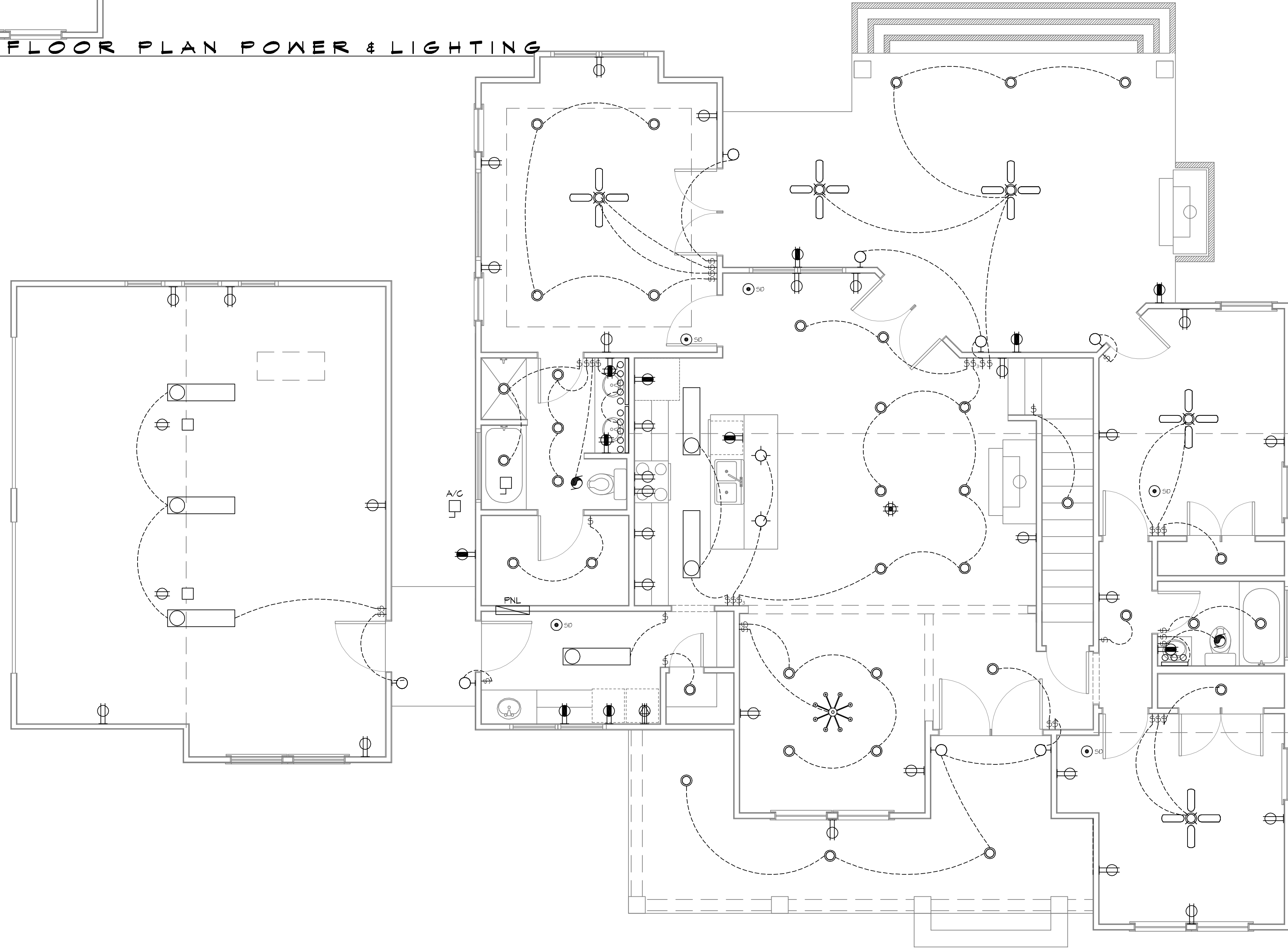
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CRAIG BERGERON
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 D'ARCHELAD, MS 39125
 JOB No: 2019 | DATE: 02-26-2019
 DRAWN BY: RLD | CHECKED BY: BAY

SHEET TITLE:
MECHANICAL FLOOR PLAN
 DRAWING NUMBER:
M101
 SHEET No: 9 of 10

THE OWNER: A.V. RESIDENTIAL.COM, 6410 HIKO COURT, DIAMONDHEAD, MS 39525
 DATE: 08-26-2014
 PROJECT: NEW RESIDENTIAL, 6410 HIKO COURT, DIAMONDHEAD, MS 39525



20 SECOND FLOOR PLAN POWER & LIGHTING
SCALE: 1/4" = 1'-0"



19 FIRST FLOOR PLAN POWER & LIGHTING
SCALE: 1/4" = 1'-0"

LIGHTING LEGEND

- ⊙ WALL MOUNTED EXTERIOR LIGHT, 1V/40 MIN BACKUP POWER.
- ⊞ 1X4 - 2 - FLUORESCENT OR LED; 5800 LUMENS.
- ⊙ RECESSED LIGHT - FLUORESCENT OR LED
- ⊙ PENDANT LIGHT - FLUORESCENT OR LED
- ⊕ FAN WITH LIGHT FIXTURE
- ⊞ ELECTRIC PANEL BOARD
- ⊥ LIGHT SWITCH 120V
- ⊥ LIGHT SWITCH - 3 WAY
- ⊙ JUNCTION BOX
- ⊞ EXHAUST FAN

POWER LEGEND

- SYMB
- ⊞ STANDARD 120V DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
 - ⊞ SINGLE-POLE DEDICATED RECEPTACLE
 - ⊞ GFCI DUPLEX RECEPTACLE
 - ⊞ DEDICATED GFCI DUPLEX RECEPTACLE
 - ⊞ 240V RECEPTACLE - MOUNTED AT 30" AFF
 - ⊙ JUNCTION BOX
 - ⊞ WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
 - ⊞ STANDARD 120V DUPLEX RECEPTACLE - CEILING MOUNTED
 - ⊞ SINGLE POLE RECEPTACLE
 - ⊞ WALL MOUNTED DATA OUTLET
 - ⊞ QUAD OUTLET
 - ⊞ FUSED DISCONNECT, FUSE PER MANUFACTURERS RECOMMENDATIONS.

PRE-WIRE FOR THE FOLLOWING:

- TELEPHONE *ONE INCOMING LINE*
- CABLE VISION *ONE OUTLET PER ROOM MINIMUM*
- SECURITY SYSTEM - COORDINATE W/ OWNER
- COORDINATE ELECTRICAL SYSTEM WITH MECHANICAL CONTRACTOR
- ALL WIRING TO BE COPPER MIN. 12/2 W/ GROUND
- VERIFY LOCATION OF FLOOR OUTLETS IN FAMILY ROOM
- PROVIDE 110V OUTLET FOR GARAGE DISPOSAL UNDER KITCHEN SINK
- PROVIDE 110V OUTLET FOR WHIRLPOOL TUB MOTOR UNDER WHIRLPOOL TUB IN MASTER BATH
- PROVIDE 220V OUTLET FOR CLOTHES DRYER
- COORDINATE SURROUND SYSTEM W/ OWNER

ELECTRICAL NOTES:

- MAIN FEED INTO HOUSE TO BE TRENCHED UNDERGROUND FROM SUPPLY POLE TO METER THEN MAIN DISCONNECT OUTSIDE.
- ALL SMOKE DETECTORS TO BE ELECTRIC POWERED WITH BATTERY BACKUP AND WIRED TO SET ALL ALARMS OFF IF ONE IS TRIPPED.
- ALL EXTERIOR, KITCHEN, AND BATH OUTLETS TO BE GROUND FAULT CIRCUIT INTERRUPT EQUIPPED AND ON A SEPARATE CIRCUIT.
- ELECTRICAL DISCONNECTS ARE TO BE AT A/C UNIT, CONDENSING UNIT, AND WATER HEATER.
- HEAT VENT LIGHTS ARE TO BE ON A SEPARATE CIRCUIT.
- OUTLETS, INCLUDING PHONE AND CABLE, MAY BE ADDED OR CHANGED UPON OWNERS REQUEST.
- ELECTRICAL CONTRACTOR TO VERIFY EQUIPMENT TYPE AND SIZE.
- INSTALL LIGHTS IN ATTIC SPACE W/ SWITCH AT FOOT OF DISP. STAIRS
- ELECTRICAL SERVICE TO BE A 42 CIRCUIT 200 AMP MAIN LOCATED IN THE HOUSE.
- A SUB-PANEL MAY NEED TO BE ADDED FOR ENOUGH CIRCUITS.
- HOUSE TO BE WIRED FOR A SECURITY SYSTEM.
- ALL KITCHEN OUTLETS ARE TO BE GFI EXCEPT APPLIANCE OUTLETS NOT EASILY ACCESSIBLE.
- ARC FAULT BREAKERS ARE TO BE USED IN ALL BEDROOMS.
- IF GAS FIRED APPLIANCES ARE USED IN HOME, CARBON MONOXIDE ALARMS ARE NEEDED (IRC R315).

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# DESCRIPTION	

SEAL: **BRIAN A. MISTICH**
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 JOB No: _____ DATE: 08-26-2014
 DRAWN BY: _____ RLD/ CHECKED BY: _____ CND

SHEET TITLE:
POWER AND LIGHTING PLAN
 DRAWING NUMBER:
E101
 SHEET No: 10 of 10