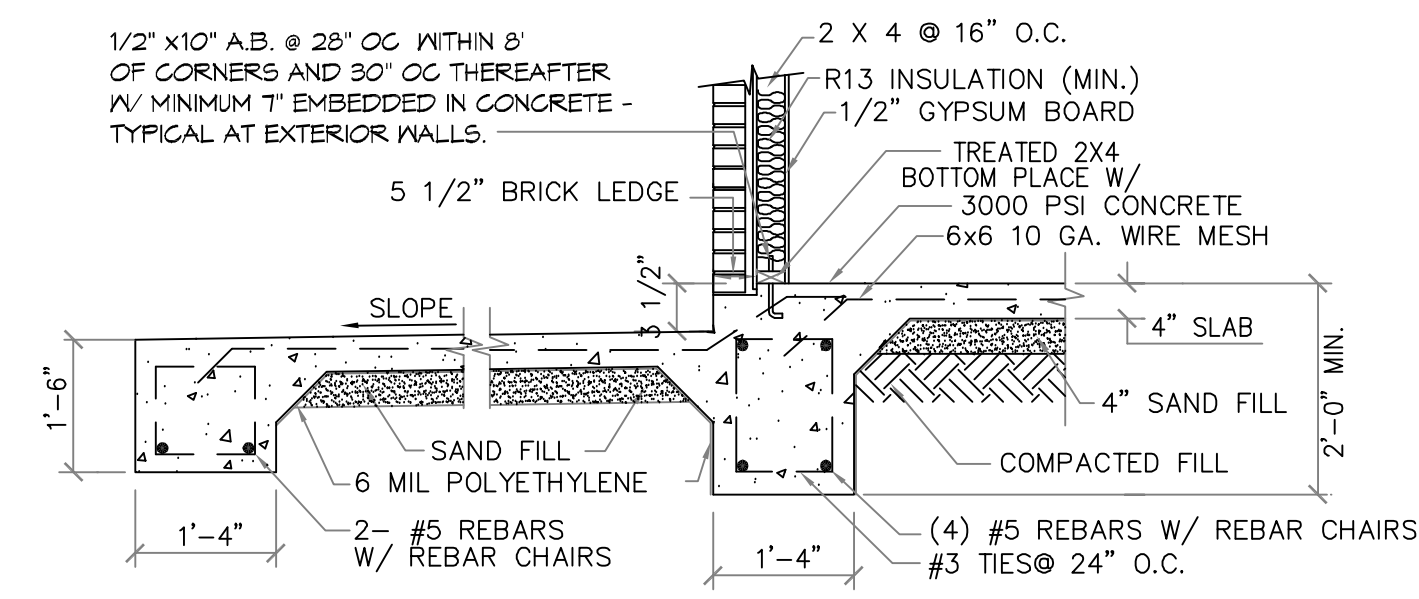


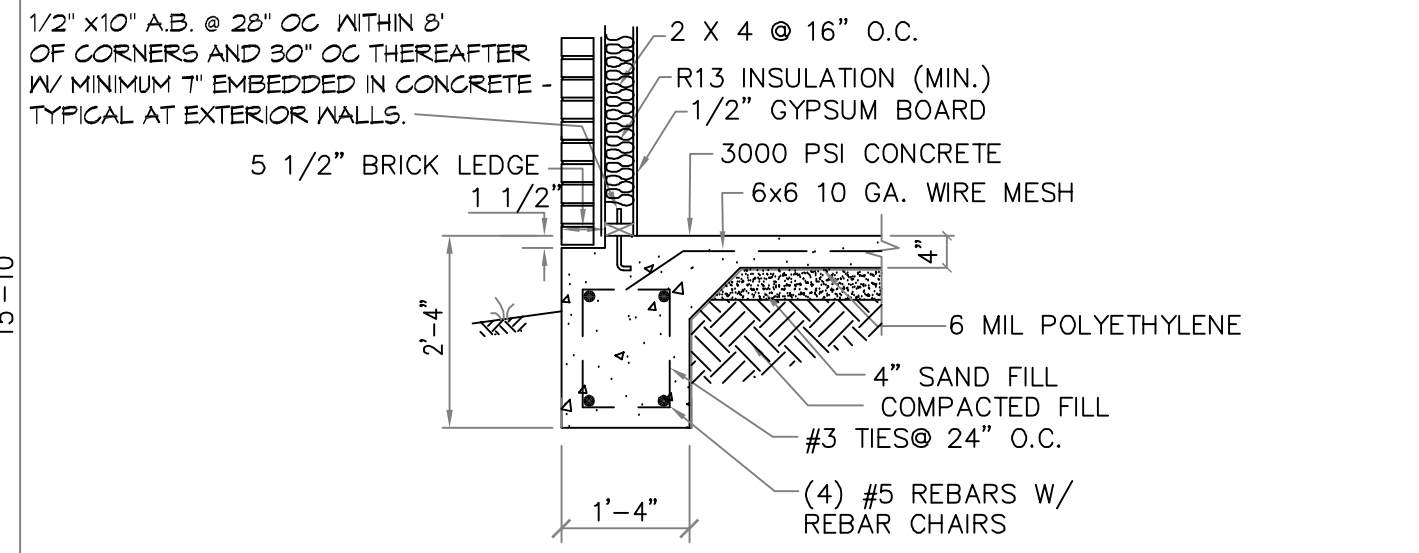
**NOTE:**  
 CEILING JOISTS SPANS ARE BASED ON 2012 INTERNATIONAL RESIDENTIAL CODE (I.R.C.) SOUTHERN YELLOW PINE #2 LUMBER SPANS TABLE R802.4(2) (UNHABITABLE ATTICS WITH LIMITED STORAGE)  
 HEADER SIZES SHOULD BE BASED ON I.R.C. 2012 - TABLE R502.5

DESIGN AND LAYOUT OF TRIM JOISTS TO BE PROVIDED BY TRIM JOIST MANUFACTURER  
 NOTE: ALL LUMBER TO BE #2 SOUTHERN PINE

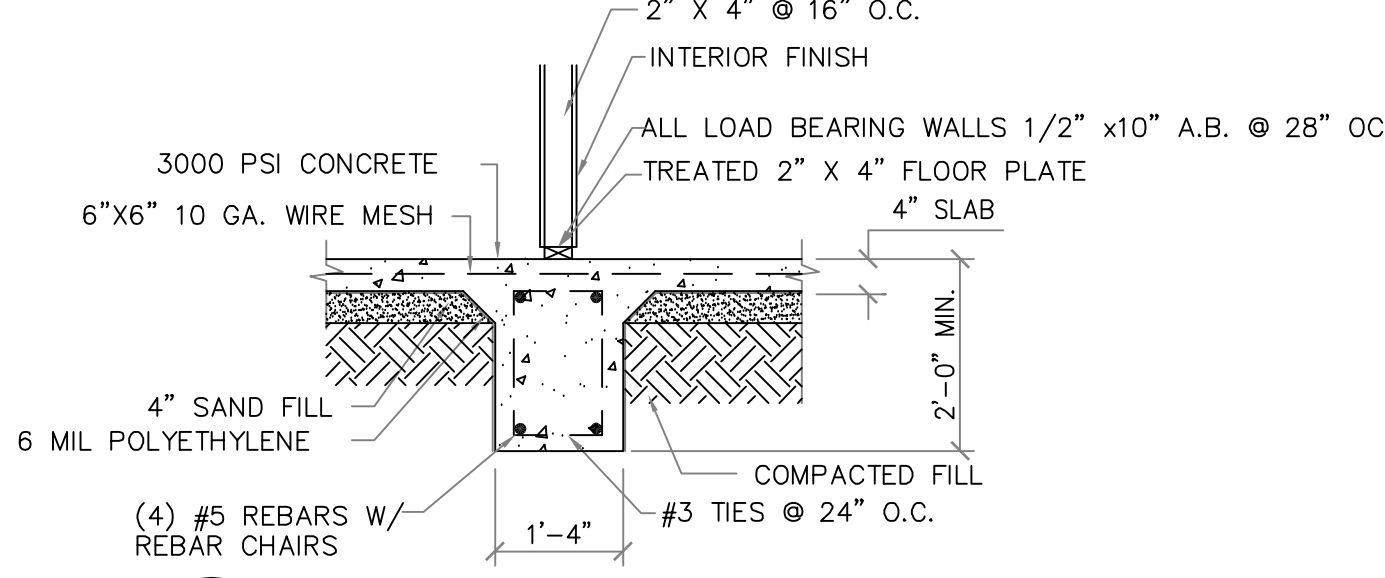
**NOTE:**  
 ALL EXTERIOR GRADE BEAMS TO EXTEND BELOW UNDISTURBED SOIL A MINIMUM OF 12".



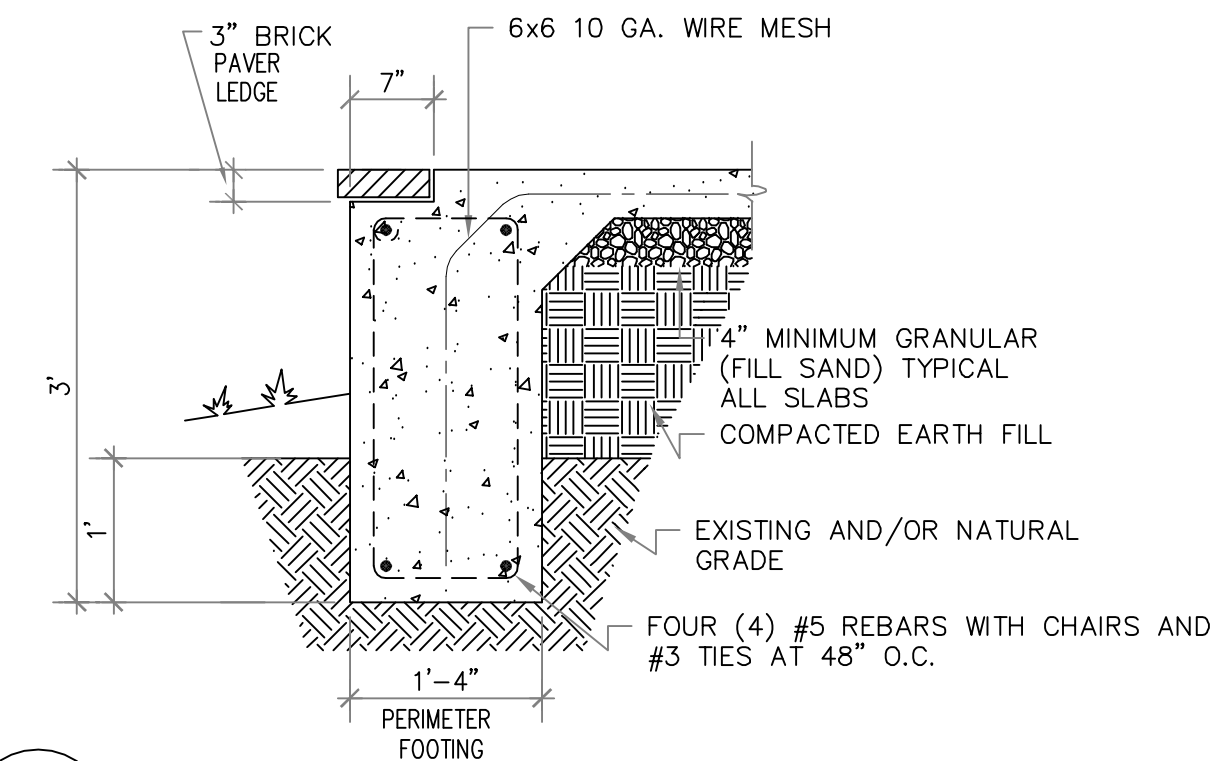
**1 COVERED PORCH FOOTING**  
 SCALE: 1/2" = 1'  
 BRICK EXT. WALL



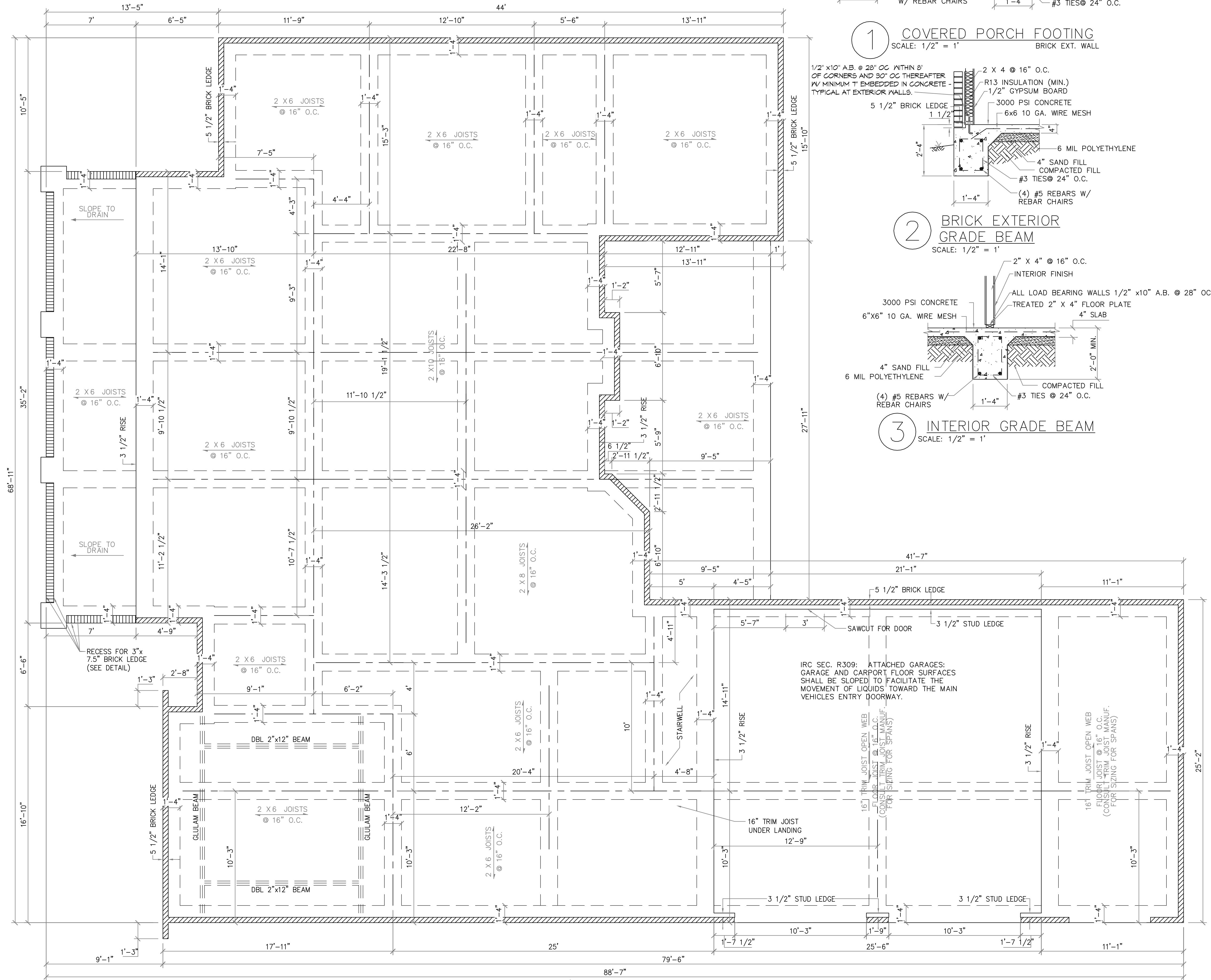
**2 BRICK EXTERIOR GRADE BEAM**  
 SCALE: 1/2" = 1'



**3 INTERIOR GRADE BEAM**  
 SCALE: 1/2" = 1'



**4 FOOTING DETAIL - BRICK BAND**  
 SCALE: 1/2" = 1'



**FOUNDATION / CEILING JOISTS PLAN**  
 SCALE: 1/4" = 1'-0"

**CONCRETE NOTES:**

- REFER TO BUILDING PLANS FOR DOOR OPENINGS AND EXACT DIMENSIONS.
- USE CONCRETE BRICK SUPPORTS TO MAINTAIN REINFORCING CLEARANCES. DO NOT USE CMU OR FACE BRICK.
- FOUNDATION DESIGN BASED ON A-4 FILL DIRT COMPACTED TO 95% DENSITY (ASTM D-1557). FILL PLACED @ 8" MAX. LIFTS.
- ALL CONCRETE SHALL DEVELOP 3,000 PSI COMPRESSIVE STRENGTH @ 28 DAYS. PLACE CONCRETE W/ MAXIMUM SLUMP OF 6". PROVIDE SLUMP TEST AND CYLINDERS AT BEGINNING AND MIDPOINT OF POUR.
- GRADE 40 DEFORMED REINFORCING.
- ASTM-185 WWF REINFORCING.
- APPLY A LIQUID MEMBRANE CURING CHEMICAL TO ALL CONCRETE SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. W.R. GRACE PRODUCT OR EQUAL.
- CONTRACTOR SHALL COORDINATE ALL DOOR LOCATIONS AND OMIT NOTCHES ACCORDINGLY.
- 2" CLEARANCE FOR REBAR, SIDES AND BOTTOM.
- MINIMUM SLAB THICKNESS SHALL BE 4" ON HOUSE AND ANY SIDEWALKS INCLUDING DRIVEWAY.
- FINISH GRADE TO SLOPE AWAY FROM THE HOUSE.
- REFER TO ELECTRICAL PLAN FOR IN-SLAB WIRING AND OUTLET REQUIREMENTS.
- CONTRACTOR SHALL EXCAVATE ALL FOOTINGS TO SOLID, UNDISTURBED SOIL.
- SLABS AND FOOTINGS SHALL BE PLACED MONOLITHICALLY IN A CONTINUOUS POUR. CONSTRUCTION JOINTS FOR THE PURPOSE OF POUR INTERRUPTION SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL BY THE OWNER.
- ALL DRIVEWAY POURS SHALL HAVE THE PROPER CONSTRUCTION AND CONTROL JOINTS AT A DISTANCE NO GREATER THAN 15' WITH A JOINT DOWN THE CENTER. RADIUS BENDS SHALL HAVE A CONTROL JOINT AT THE CENTER OF THEM.

**SITE PREPARATION NOTES:**

- REMOVE TOP SOIL (8" TO 12") AND DELETERIOUS MATERIAL.
- PROOF ROLL SUBBASE WITH A LOADED 18 YARD DUMP TRUCK. REMOVE ALL "PUMPING AREAS."

**FOUNDATION AND SITE WORK NOTES:**

- CHECK ELECTRICAL PLAN FOR ANY CONDUIT OR FLOOR RECEPTACLES.
- TERMITE TREAT THE SOIL PRIOR TO POURING CONCRETE AND RETAIN CERTIFICATE FOR OWNER.
- GRADE LOT TO DRAIN AWAY FROM THE FOUNDATION A MINIMUM OF 6 INCHES IN THE FIRST 10 FEET.
- CARPENT AND FRONT PORCH BEAMS ARE NOT SHOWN FOR CLARITY PURPOSES.
- CONTRACTOR SHALL EXCAVATE ALL FOOTINGS TO SOLID, COMPACTED, UNDISTURBED FILL MEETING 90% MODIFIED PROCTOR AS TESTED.
- ALL WELDED WIRE FABRIC SHALL BE 6X6 10/10 WWF.
- POLYETHYLENE VAPOR BARRIER SHALL BE 6 MIL THICKNESS.

#	DESCRIPTION	DATE



**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

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

**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			48 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
	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
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
THREE 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
FOUR 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

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

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET			24 FEET			36 FEET			48 FEET		
		3'	4.5'	5'	6.5'	3'	4.5'	5'	6.5'	3'	4.5'	5'	6'
ROOF AND CEILING	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	2	1	1	1	1	2	1	1	1	1	1	1
	8	2	2	2	2	1	2	2	2	2	2	1	1
	10	3	2	2	2	2	3	2	2	2	2	2	2
	12	3	2	2	2	2	3	2	2	2	2	2	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1	2	1	1	1
	6	2	2	2	2	1	3	2	2	2	2	2	2
	8	3	2	2	2	2	3	2	2	2	2	2	2
	10	4	3	2	2	2	4	3	2	2	2	2	2
	12	4	3	3	2	2	5	3	3	3	3	3	3
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1	2	1	1	1
	6	2	2	2	2	1	3	2	2	2	2	2	2
	8	3	2	2	2	2	3	2	2	2	2	2	2
	10	4	3	2	2	2	4	3	2	2	2	2	2
	12	4	3	3	2	2	5	3	3	3	3	3	3

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN

**TABLE S107.3 - NAILING SCHEDULE WFCM 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 S107.4 - BUILDING ENVELOPE REQUIREMENTS**

ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE		
			ROOFS	WALLS, ABOVE GRADE
INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 c.i.		
METAL BUILDING	U-0.065	R-19		
ATTIC AND OTHER	U-0.027	R-38		
MASS	U-0.151	R-5.7 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-19.0		
MASS	U-0.107	R6-3 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 (11-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 EAVES, 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 MANUFACTURES RECOMMENDATIONS FOR 130MPH WIND SPEED.

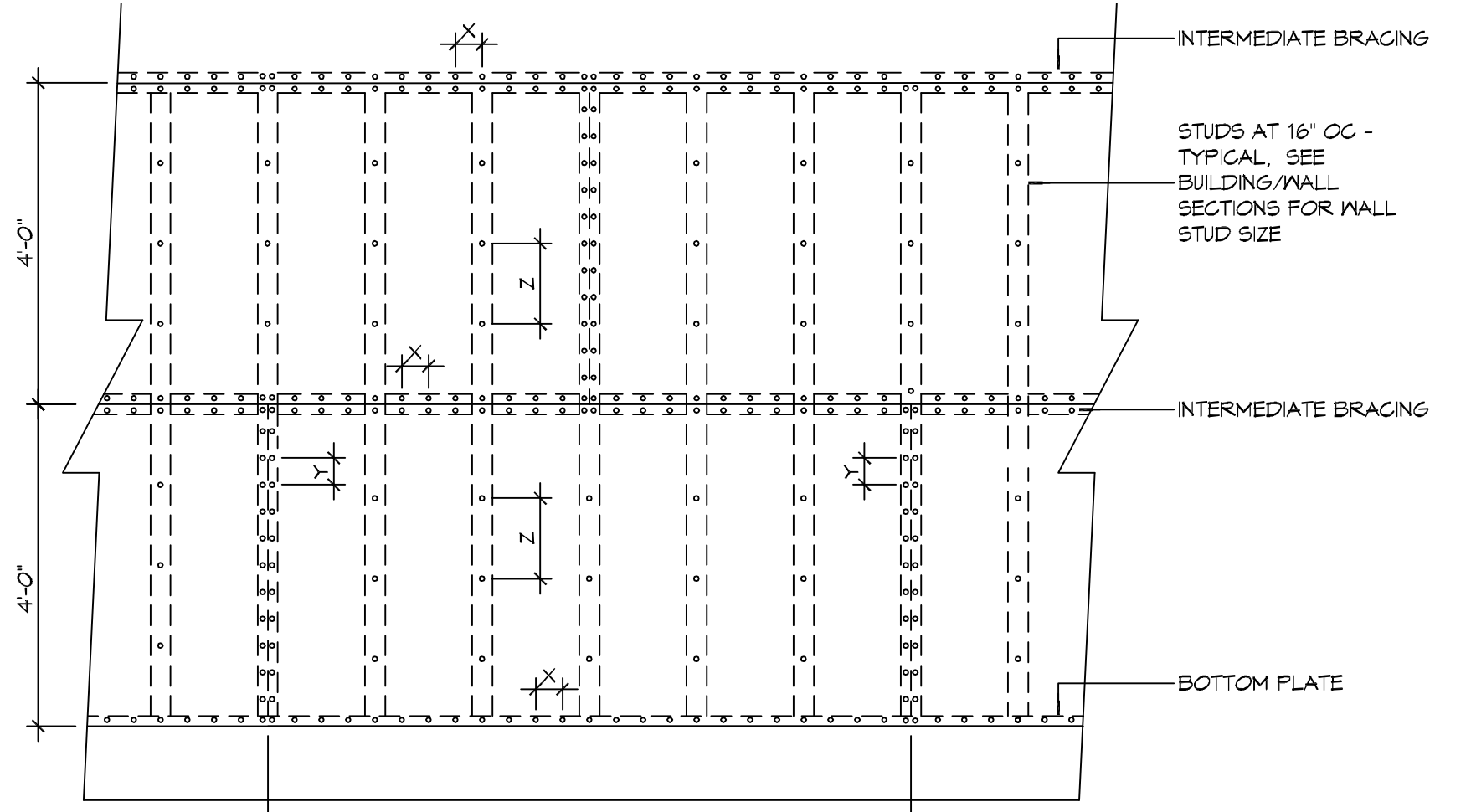
**GENERAL UPLIFT CONNECTION NOTES**

- 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 88 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 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 G185 OR Z450 GALV. STL.

**TABLE S107.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - WIND LOAD EXP "C"**

SHEATHING LOCATION	RAFTER / TRUSS SPACING	MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
		E	F
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.

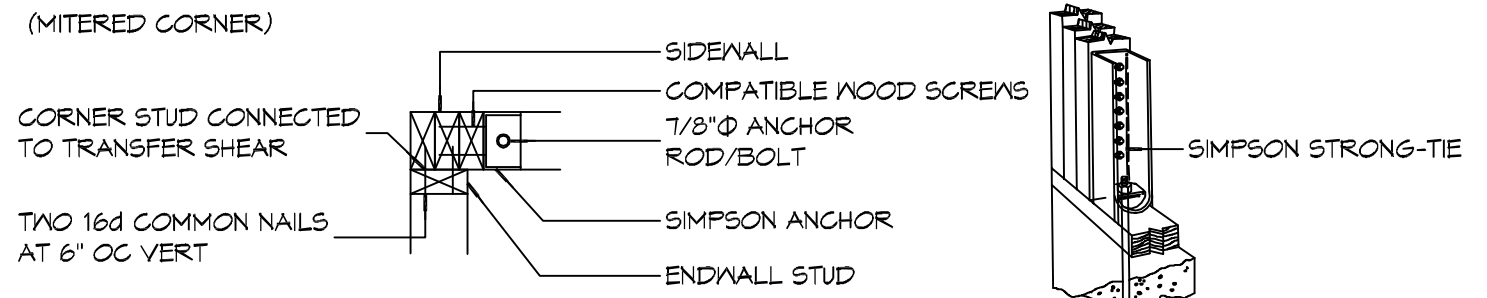


**NAIL SPACING**  
X = 4" OC  
Y = 4" OC  
Z = 12" OC

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

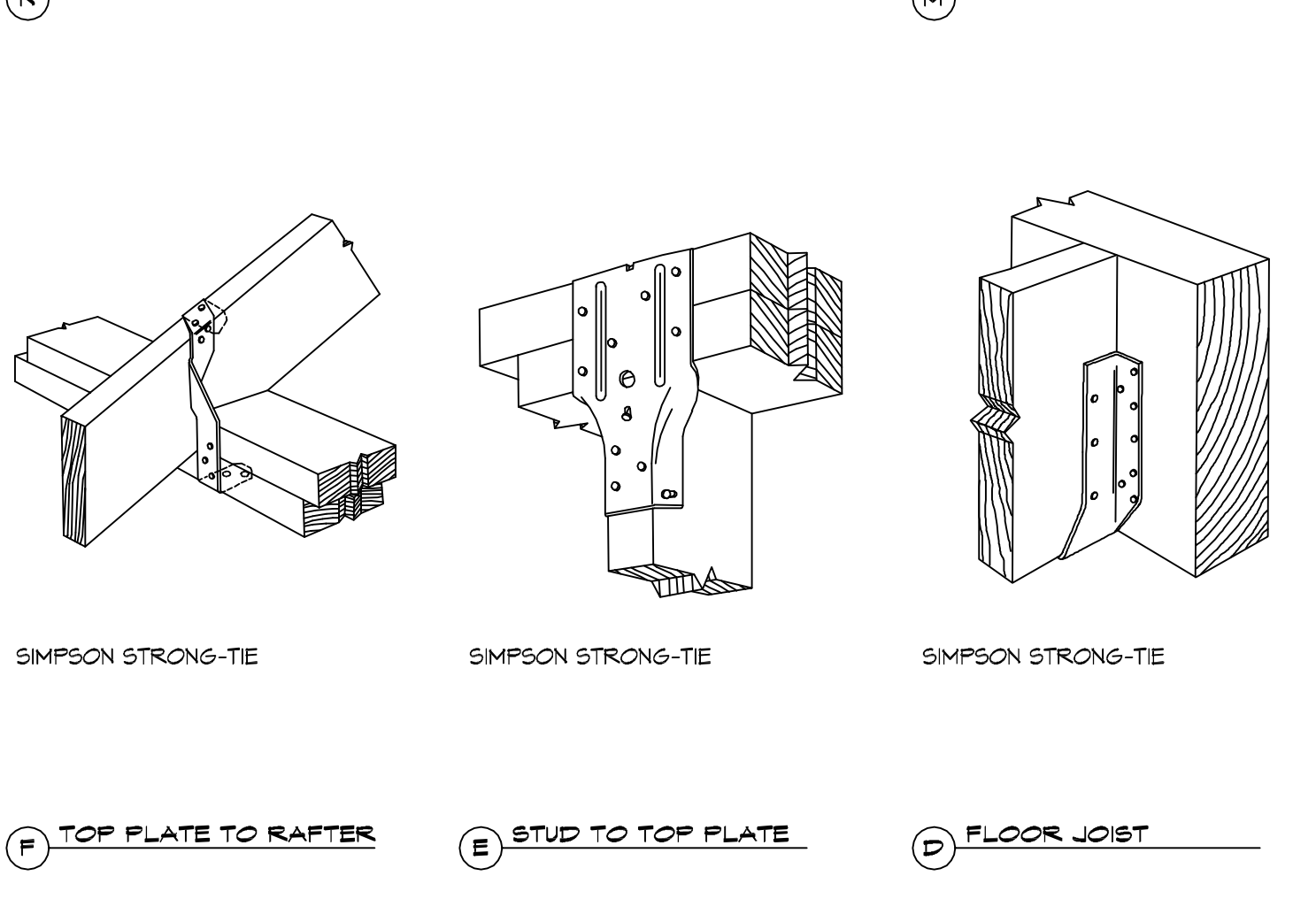
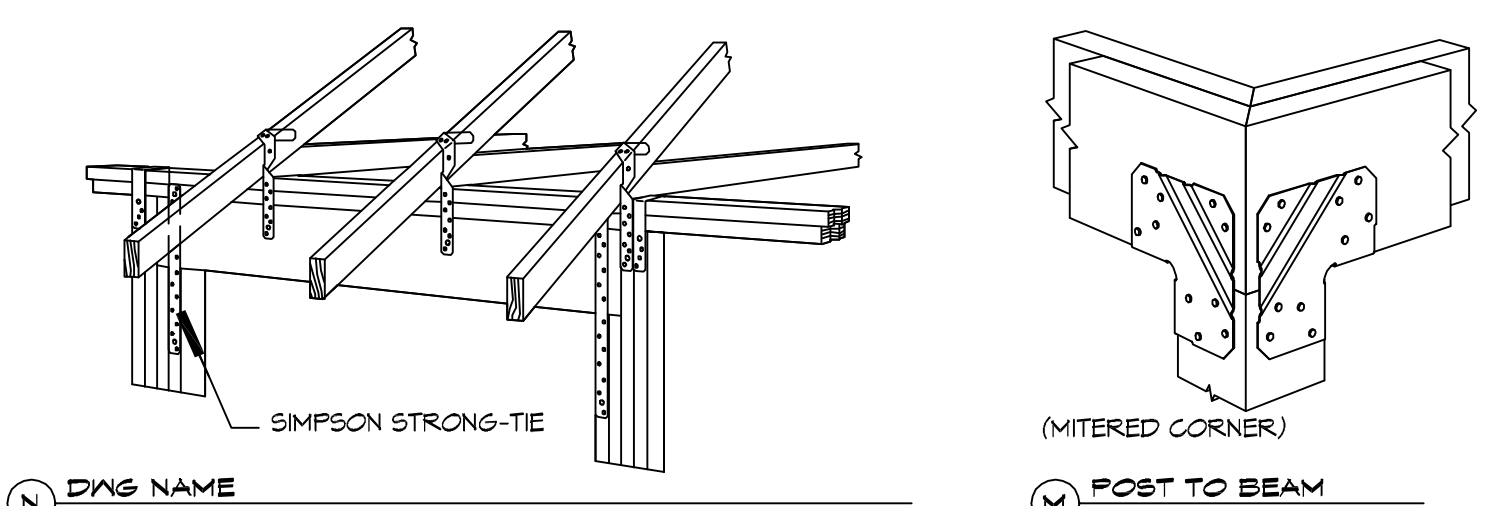
**INTERIOR SHEATHING**  
1/2" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" O.C. FASTENING @ PANEL EDGES @ NAILS @ 12" O.C. FASTENING @ INTERMEDIATE MEMBERS.

**EXTERIOR SHEATHING**  
5/8" DENSEGLASS SHEATHING EXTERIOR FACE STAGGERED 48" O.C. FASTENING @ PANEL EDGES @ #10X1" TEK SCREWS @ 12" O.C. FASTENING @ INTERMEDIATE MEMBERS

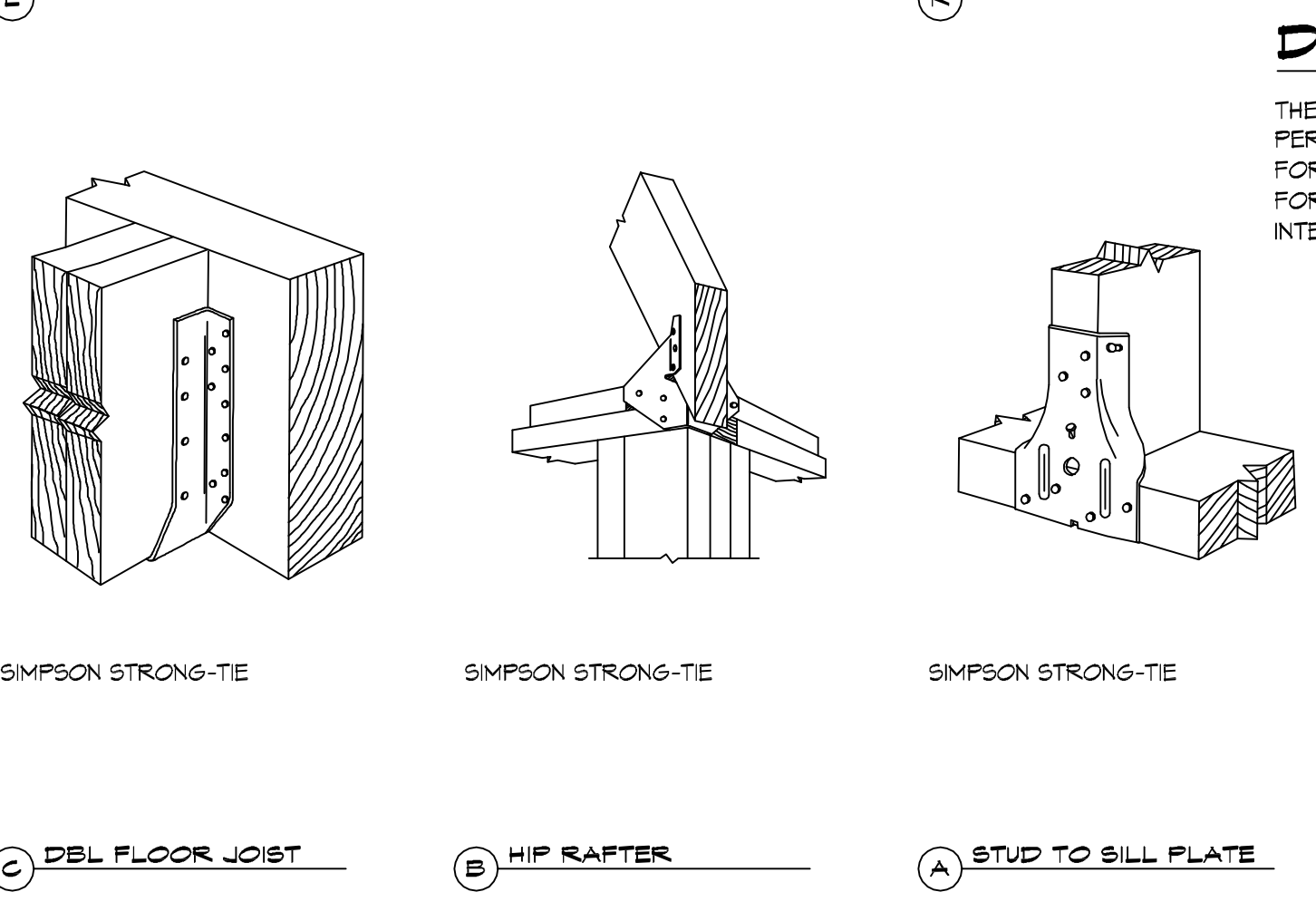
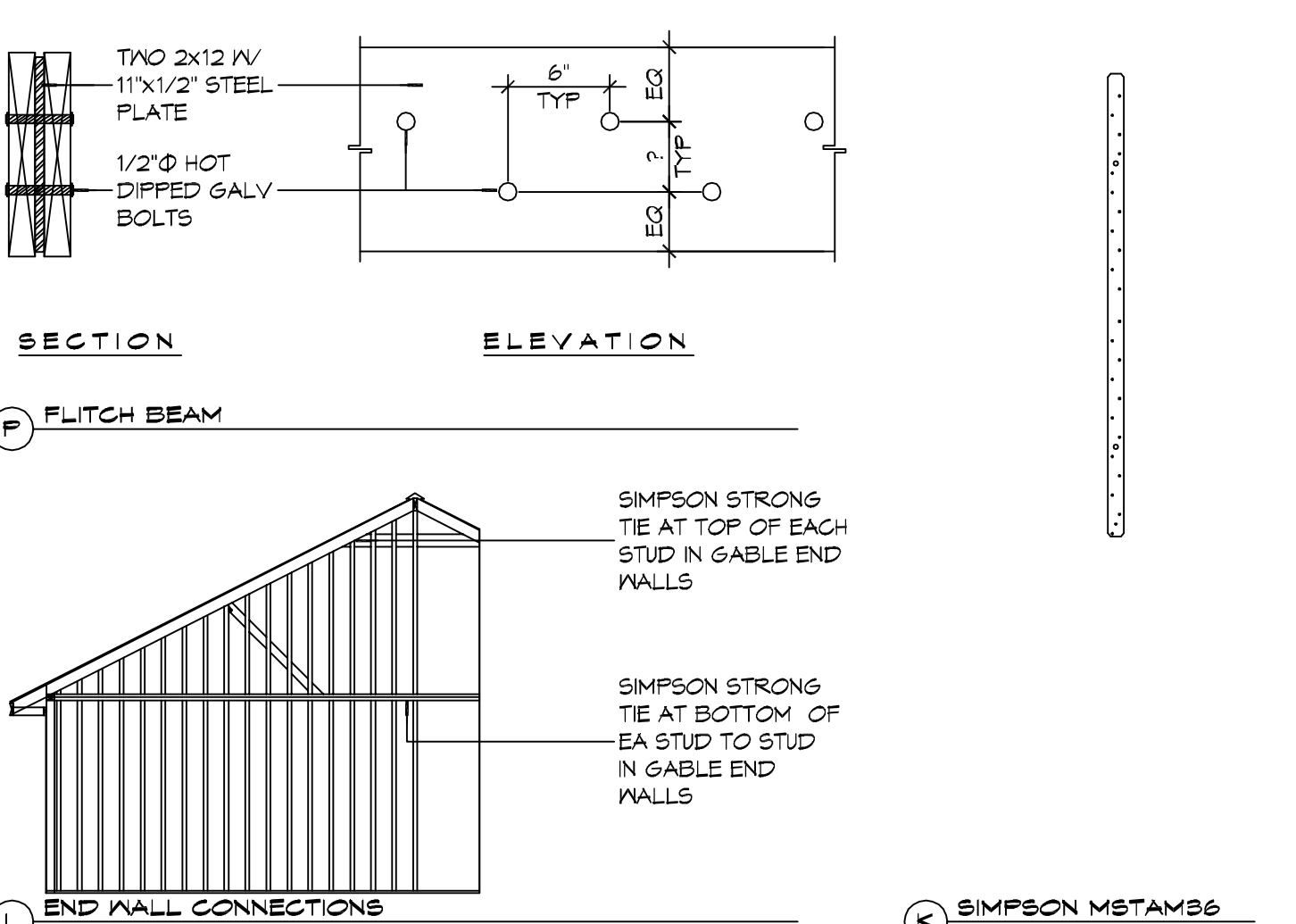


(MITERED CORNER)  
CORNER STUD CONNECTED TO TRANSFER SHEAR  
TWO 16d COMMON NAILS AT 6" OC VERT

**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.



**TYPICAL CONNECTION DETAILS**



**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) 2012 EDITION.

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Slaters, LA 70688  
Chief Engineer: Brian M. Storch, PE

REVISIONS

#	DESCRIPTION	DATE

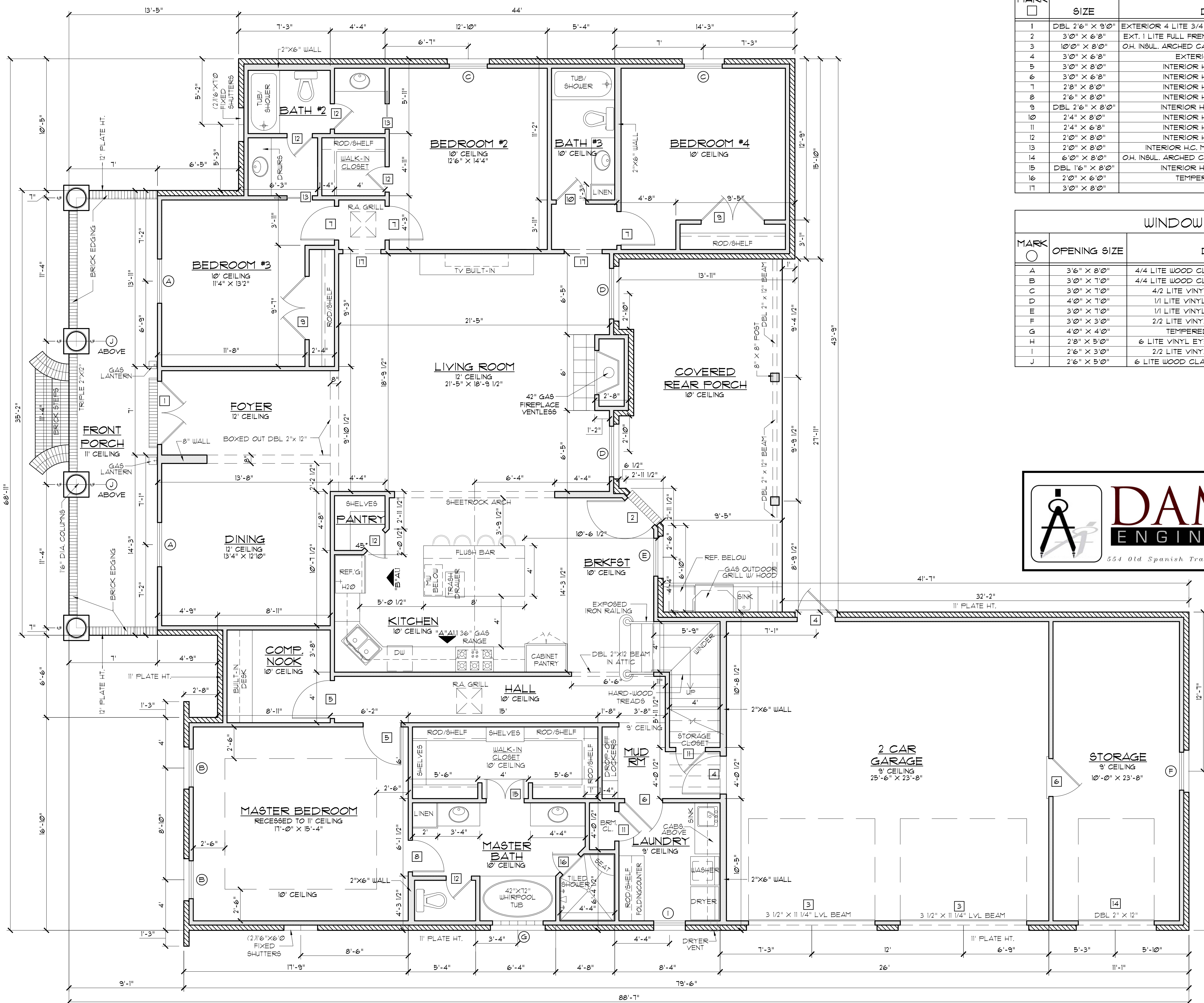
SEAL:

**LAURA ANNA & SONS FOUNDATION**  
555 NORTH CALEB DRIVE  
SLATERS, LA  
JOB No: 2018 DATE: 05-30-2018  
DRAWN BY: CKD CHECKED BY: BAW

SHEET TITLE:  
TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

DRAWING NUMBER:  
**S102**

SHEET No: 2 of 2



DOOR SCHEDULE			
MARK	SIZE	DESCRIPTION	QTY.
1	DBL 2'6" X 9'0"	EXTERIOR 4 LITE 3/4 FRENCH SOLID WOOD EYEBROW DOORS	1 PAIR
2	3'0" X 6'0"	EXT. 1 LITE FULL FRENCH SOLID WOOD DOOR W/ 12" TRANSOM	1
3	10'0" X 8'0"	O.H. INSUL. ARCHED CARRIAGE STYLE GARAGE DOOR W/ OPENER	2
4	3'0" X 6'8"	EXTERIOR METAL 6 PANEL DOOR	3
5	3'0" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOOR	2
6	3'0" X 6'8"	INTERIOR H.C. MASONITE 6 PANEL DOOR	3
7	2'8" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOOR	3
8	2'6" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOOR	1
9	DBL 2'6" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOORS	2 PAIR
10	2'4" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOOR	1
11	2'4" X 6'8"	INTERIOR H.C. MASONITE 6 PANEL DOOR	3
12	2'0" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOOR	5
13	2'0" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOOR	2
14	2'4" X 8'0"	O.H. INSUL. ARCHED CARRIAGE STYLE ROLL-UP GARAGE DOOR	1
15	DBL 16" X 8'0"	INTERIOR H.C. MASONITE 6 PANEL DOORS	1 PAIR
16	2'0" X 6'0"	TEMPERED GLASS SHOWER DOOR	1
17	3'0" X 8'0"	CASED OPENING	2

WINDOW SCHEDULE			
MARK	OPENING SIZE	DESCRIPTION	QTY.
A	3'6" X 8'0"	4/4 LITE WOOD CLAD S. H. EYEBROW INSULATED WINDOW	2
B	3'0" X 7'0"	4/4 LITE WOOD CLAD S. H. EYEBROW INSULATED WINDOW	2
C	3'0" X 7'0"	4/2 LITE VINYL SINGLE HUNG INSULATED WINDOW	2
D	4'0" X 7'0"	1/1 LITE VINYL SINGLE HUNG INSULATED WINDOW	2
E	3'0" X 7'0"	1/1 LITE VINYL SINGLE HUNG INSULATED WINDOW	1
F	3'0" X 3'0"	2/2 LITE VINYL SINGLE HUNG INSULATED WINDOW	1
G	4'0" X 4'0"	TEMPERED DECORATIVE GLASS - FIXED	1
H	2'8" X 5'0"	6 LITE VINYL EYEBROW CASEMENT INSULATED WINDOW	2
I	2'6" X 3'0"	2/2 LITE VINYL SINGLE HUNG INSULATED WINDOW	1
J	2'6" X 5'0"	6 LITE WOOD CLAD FIXED EYEBROW INSULATED WINDOW	2

SQUARE FOOTAGE	
1ST FLOOR LIVING	2855
BONUS ROOM	502
TOTAL LIVING	3357
FRONT PORCH	246
REAR PORCH	323
GARAGE/STORAGE	921
TOTAL SQ. FOOTAGE	4847



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

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CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE DESIGNER SHALL BE NOTIFIED AND CONSENT TO ANY VARIATION FROM DIMENSIONS SET FORTH HEREIN. EVERY EFFORT HAS BEEN MADE TO SPECIFY STRUCTURAL DATA AND CONDITIONS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS IN THE FIELD AND SHALL BUILD HOME IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2012.

RESIDENCE OF  
**ALAN & LAURA NOVAK**  
558 N. CALEB DRIVE  
SLIDELL, LOUISIANA

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Professional Building Designer

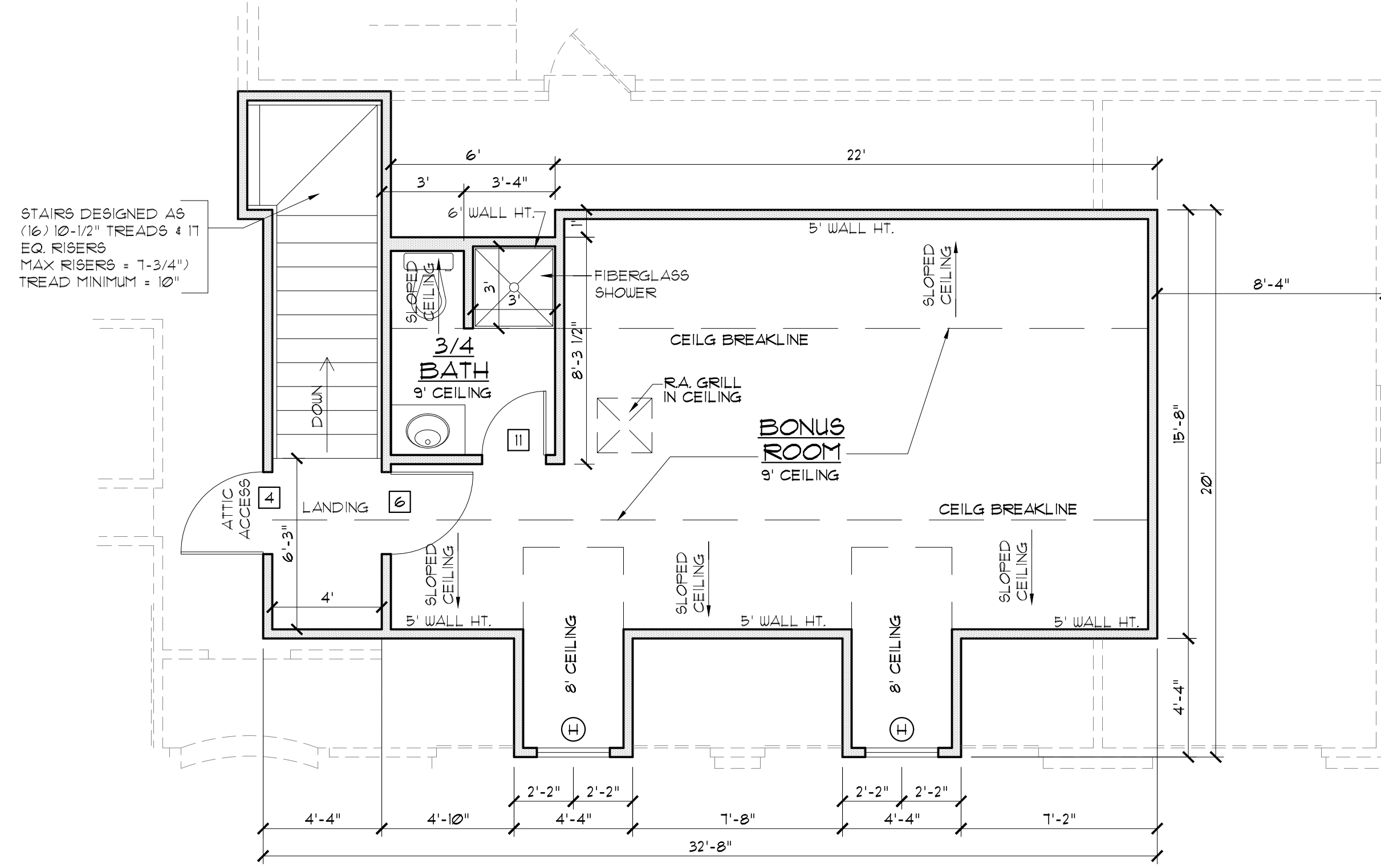
Project No.: The Tuscaloosa  
DATE: May 24, 2018  
DRAWN BY: Steven Madden  
DESIGNED BY: Steven Madden  
REVISED:

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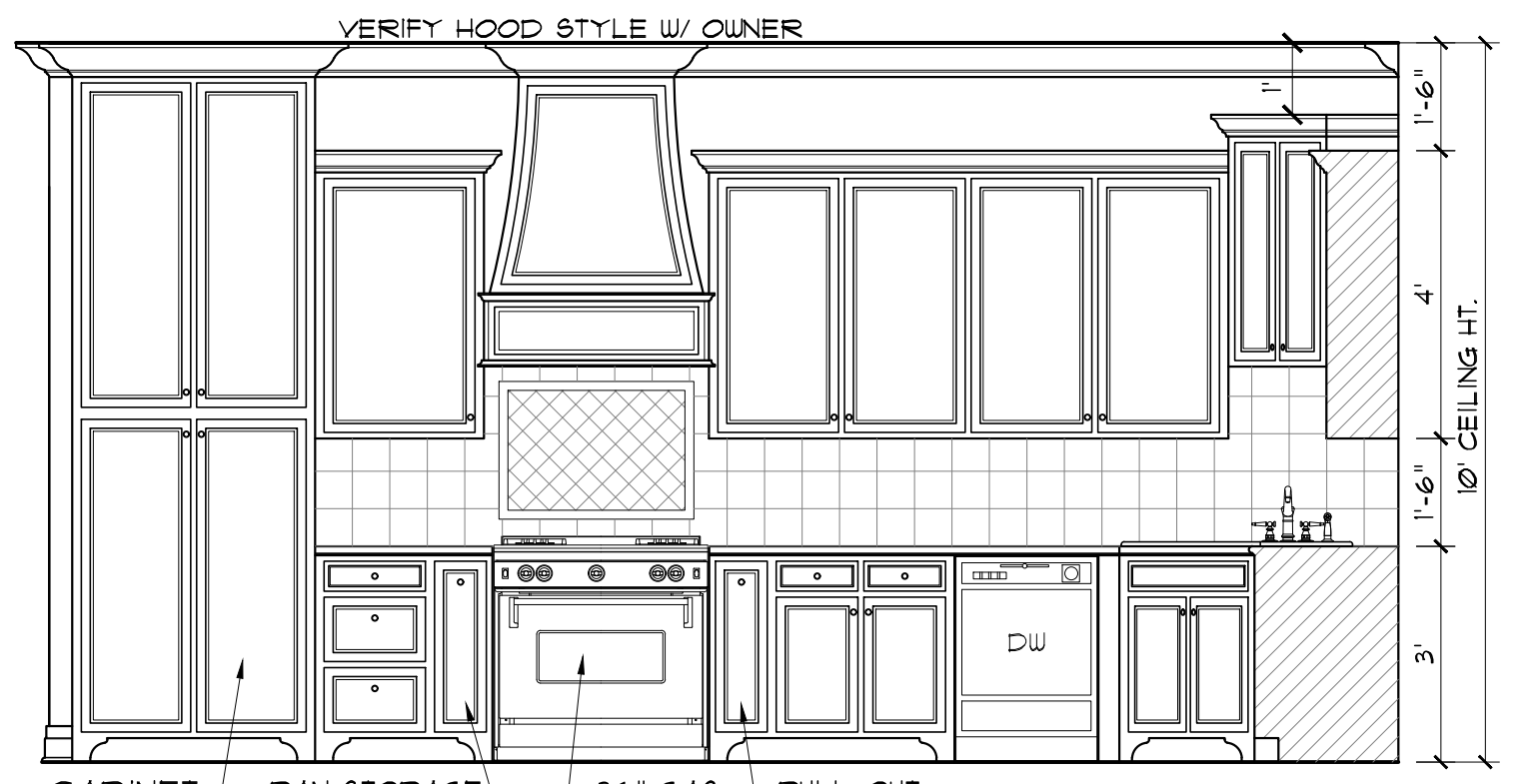
Sheet Title

**FLOOR PLAN**

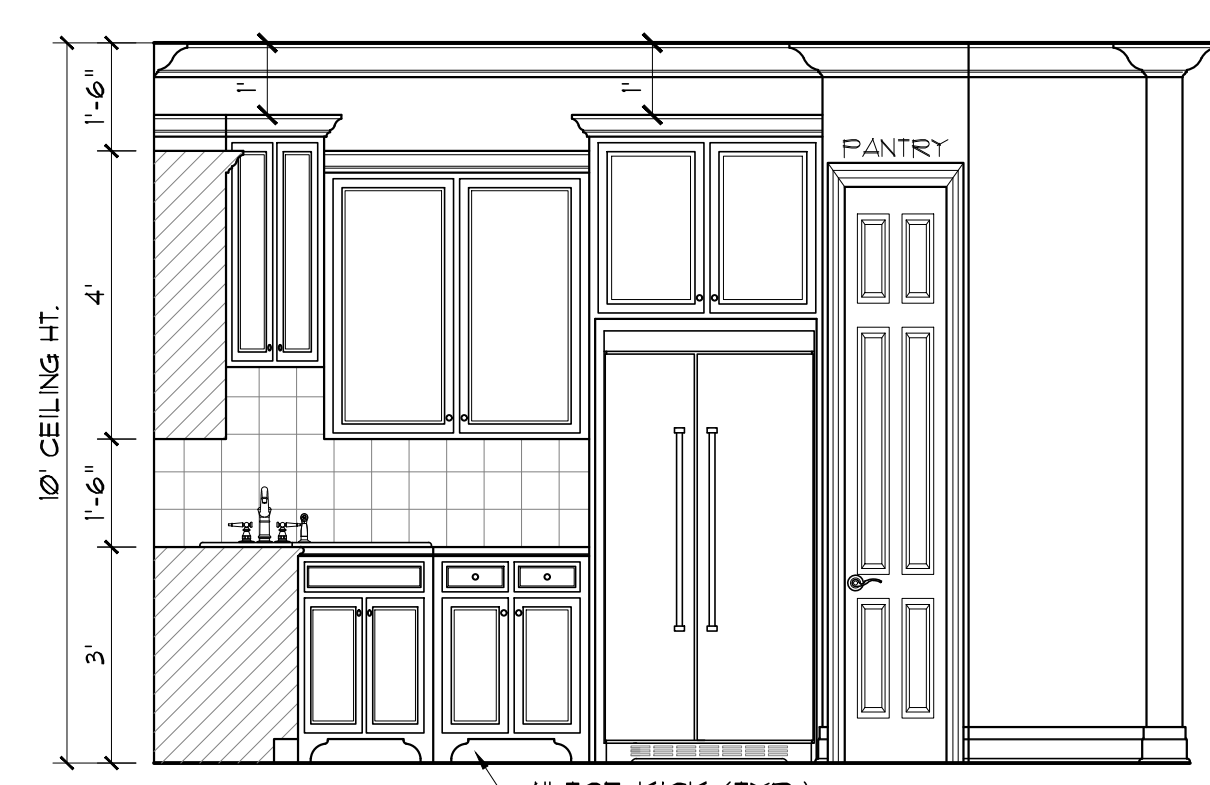
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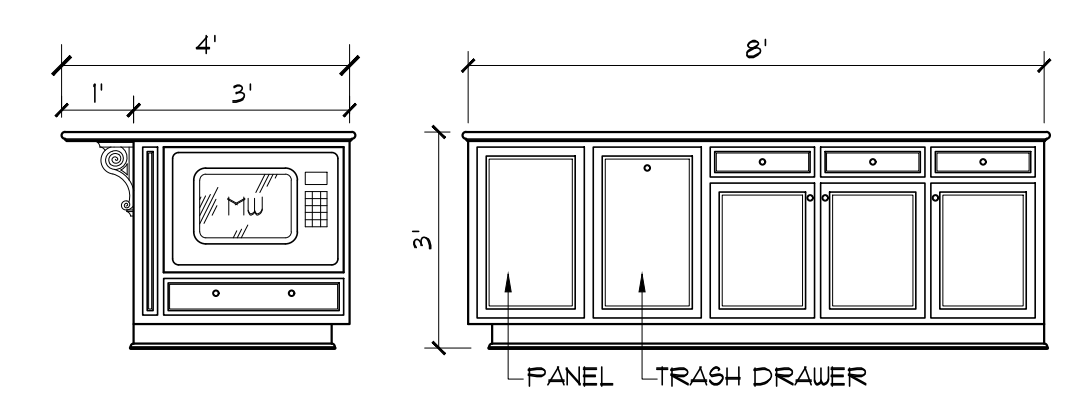
**BONUS ROOM FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**KITCHEN ELEV. "A"**  
SCALE: 3/8" = 1'-0"



**KITCHEN ELEV. "B"**  
SCALE: 3/8" = 1'-0"



**ISLAND ELEV.**  
SCALE: 3/8" = 1'-0"

**GENERAL NOTES:**

1. ALL KITCHEN AND UTILITY COUNTERTOPS ARE SHOWN AS 2'-0" WIDE UNLESS STATED OTHERWISE.
2. ALL BATHROOM LABORATORY COUNTERTOPS SHOWN AS 1'-10" WIDE.
3. ALL EXTERIOR OVERALL DIMENSIONS ARE FROM EDGE OF FOUNDATION.
4. ALL INTERIOR DIMENSIONS ARE FROM STUD FACE TO STUD FACE.
5. ALL INTERIOR WALL THICKNESS SHOWN AS 4" UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK.
7. BRICK VENEER WALL TIES (MAX 24" O.C. EACH WAY).
8. PURCHASER OF THIS PLAN ASSUMES LIABILITY FOR ANY MODIFICATIONS MADE TO THE LAYOUT OF THIS PLAN.
9. ALL WOOD FRAMING SHALL BE NO. 2 GRADE - SOUTHERN PINE LUMBER. ALL CEILING JOISTS SPANS ARE BASED ON TABLE R802.4(2) OF THE I.R.C. 2003 AND ARE DESIGNED FOR ATTICS WITH LIMITED STORAGE. REFER TO FOUNDATION SHEET FOR SPANS.) TEMPERED GLASS FOR WINDOWS THAT ARE WITHIN 24" OF THE DOOR IN THE CLOSED POSITION, PROVIDING THE WINDOW IS LESS THAN 60" ABOVE THE FLOOR. (R308 I.R.C. 2003)
10. MASONRY VENEER SHALL BE ANCHORED TO THE SUPPORTING WALL WITH CORROSION-RESISTANT METAL TIES SPACED NOT MORE THAN 24" ON CENTER HORIZONTALLY AND VERTICALLY AND SHALL SUPPORT NOT MORE THAN 261 SQ. FEET OF WALL PER SECTION R103.1.4(1)
11. VENT HOOD IN KITCHEN MUST VENT TO THE OUTSIDE. MICROVAPE HOODS MUST VENT TO THE OUTSIDE WHERE APPLICABLE.
12. DRYER VENT MUST HAVE MAX LENGTH 25'
13. ATTIC SPACES MUST PROVIDE 1 SQ. FT. VENTILATION PER 150 SQ. FT. OF AREA UNLESS CONDITIONED SPACE. (ATTICS R306)
14. RAFTER TIES EVERY RAFTER.
15. COLUMNS/POSTS SHALL BE ADEQUATELY ANCHORED TO PREVENT LATERAL DISPLACEMENT.
16. WALLS ADJACENT TO GARAGE DOOR OPENINGS MUST BE SHEATHED AND THE MINIMUM LENGTHS PROVIDED IN TABLE R602.10.5 OR HAVE AN ENGINEERED METHOD OF RESISTING SHEAR.
17. ATTIC ACCESS FROM SECOND FLOOR INTO ATTIC SHOULD HAVE DECKED WORK AREA AROUND EACH UNIT/WATER HEATER - MIN. 30"X30"
18. SEC. R311.5: STAIRWAYS: MIN. HEADROOM HEIGHT IN ALL PARTS OF STAIRWAY SHALL BE NOT LESS THAN 6'8".
19. I.R.C. SEC. R309: ATTACHED GARAGES: OTHER OPENINGS BETWEEN A GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH EITHER A SOLID WOOD DOOR NOT LESS THAN 1-3/8" INCH IN THICKNESS OR EQUIVALENT (NO GLASS) A METAL INSULATED DOOR WILL BE PERMITTED IN LIEU OF THE SOLID WOOD DOOR GARAGE AND CARPORT FLOOR SURFACES SHALL BE APPROVED NONCOMBUSTIBLE MATERIAL, AND SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TOWARD THE MAIN VEHICLES ENTRY DOORWAY. IF A HABITABLE FLOOR IS LOCATED OVER GARAGE: THE CEILING SHALL BE COVERED WITH 5/8" INCH TYPE X GYPSUM.
20. SEC. R310.1 - R310.1.4: EMERGENCY ESCAPE - SLEEPING ROOMS - (BARS SHALL BE RELEASED FROM INSIDE) (OPENING 58" GRADE, 5'18" OTHERS) NET 24" H X 20" W X 44" MAX SILL.)
21. SEC. R311.6 & R311.7: HALLWAYS & STAIRWAYS - MINIMUM 3FT WIDE
22. SEC. R311.2: EXIT DOOR - MIN. 1-(3'-0"X6'-8") DIRECTLY OUTSIDE (NO DOUBLE DEADBOLT LOCKS)
23. SEC. R311.3: DOOR LANDINGS (DOOR WIDTH X 36" MIN)
24. SEC. R311.5: MAX RISE BETWEEN FLOOR LEVELS OR LANDINGS
25. SEC. R311.7.3 HANDRAILS (34"-38"), CIRCULAR 1-1/4" - 2" DIAMETER (REQUIRED IF 4 OR MORE RISERS)
26. SEC. R312: GUARDRAIL (REQUIRED GREATER THAN 30" HIGH) 36" GUARD (34" STAIRS), 4" MAX OPENING IN RAILS
27. SEC. R311.5: STAIRWAY LANDINGS (MIN 3' X 3')
28. SEC. R302.1: ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS UNDER STAIR SURFACE AND ANY SOFFIT PROTECTED ON THE ENCLOSED SIDE WITH 1/2" INCH GYPSUM BOARD.
29. SEC. R311.2: 6'-8" HEAD ROOM REQUIRED
30. SEC. R303: HABITABLE ROOMS - 8% GLAZING MIN. ALCOVE ROOMS: 1/2 OF THE COMMON WALL OPEN BETWEEN ROOMS. BATHROOMS AREA OF GLAZING NOT LESS THAN 3 SQ. FEET. 1/2 OPENABLE OR MECH. VENT. REQUIRED GLAZED OPENINGS LOCATION :
31. FOAM PLASTIC INSULATION SHALL BEAR THE LABEL OF AN APPROVED AGENCY CERTIFYING COMPLIANCE TO A FLAME SPREAD INDEX NOT MORE THAN 75 AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 450. FOAM PLASTIC SHALL BE SEPARATED FROM THE INTERIOR BY 1/2 GYPSUM WALL BOARD OR OT.
32. WALL AND CEILING FINISHES SHALL HAVE A FLAME-SPREAD CLASSIFICATION OF NOT GREATER THAN 200 PER SECTION R302.9.4



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SLIDELL, LOUISIANA

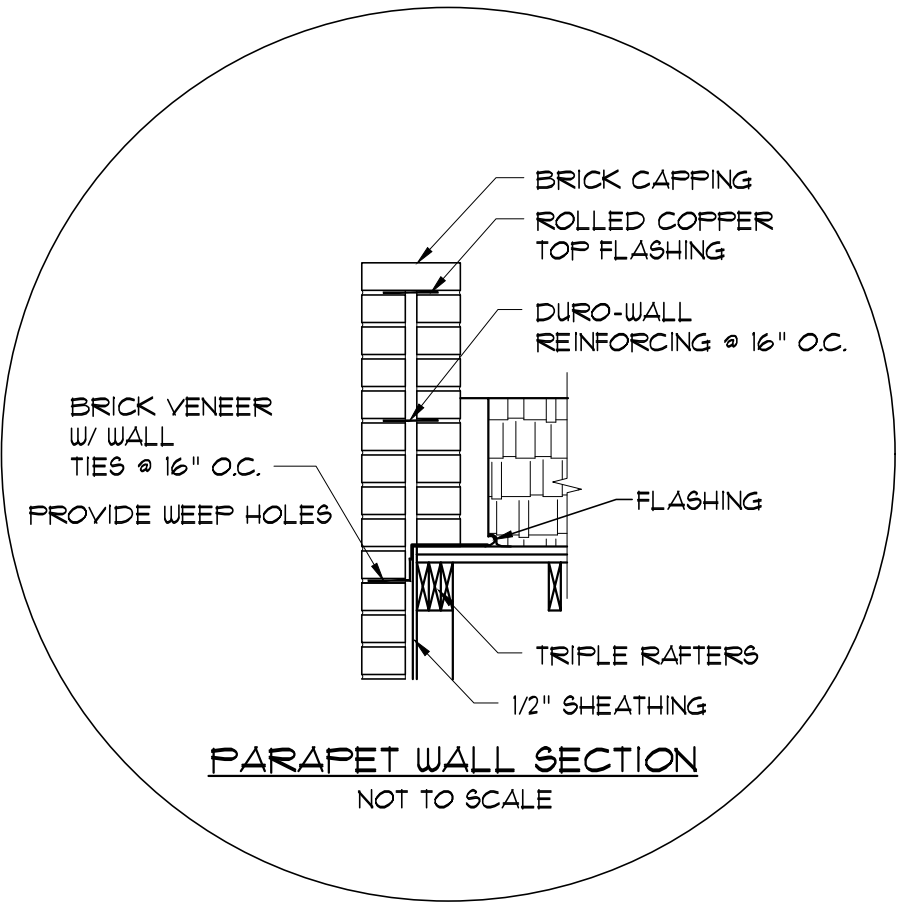
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Phone: (225) 791-2012  
CUSTOM HOME PLANS  
Website: www.maddenhomedesign.com  
Plans Drawn By: Steven Madden  
Professional Building Designer

Project No.: **The Tuscaloosa**  
DATE: **May 24, 2018**  
DRAWN BY: **Steven Madden**  
DESIGNED BY: **Steven Madden**  
REVISED:

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**BONUS ROOM & INT. ELEV.**

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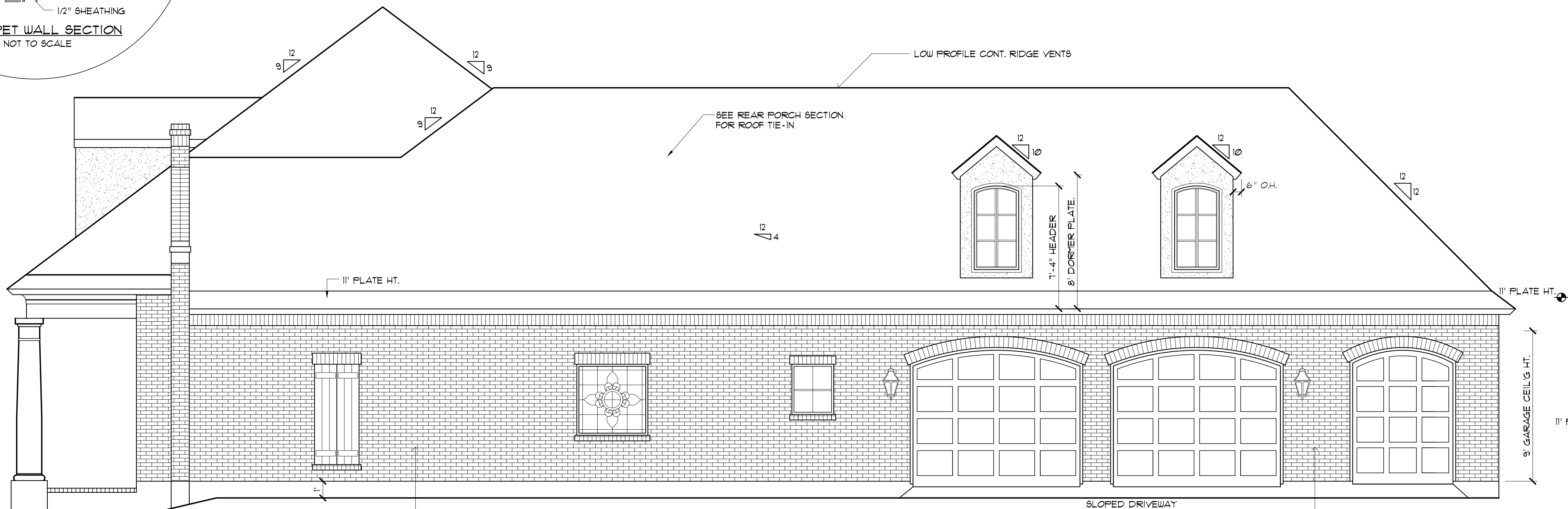
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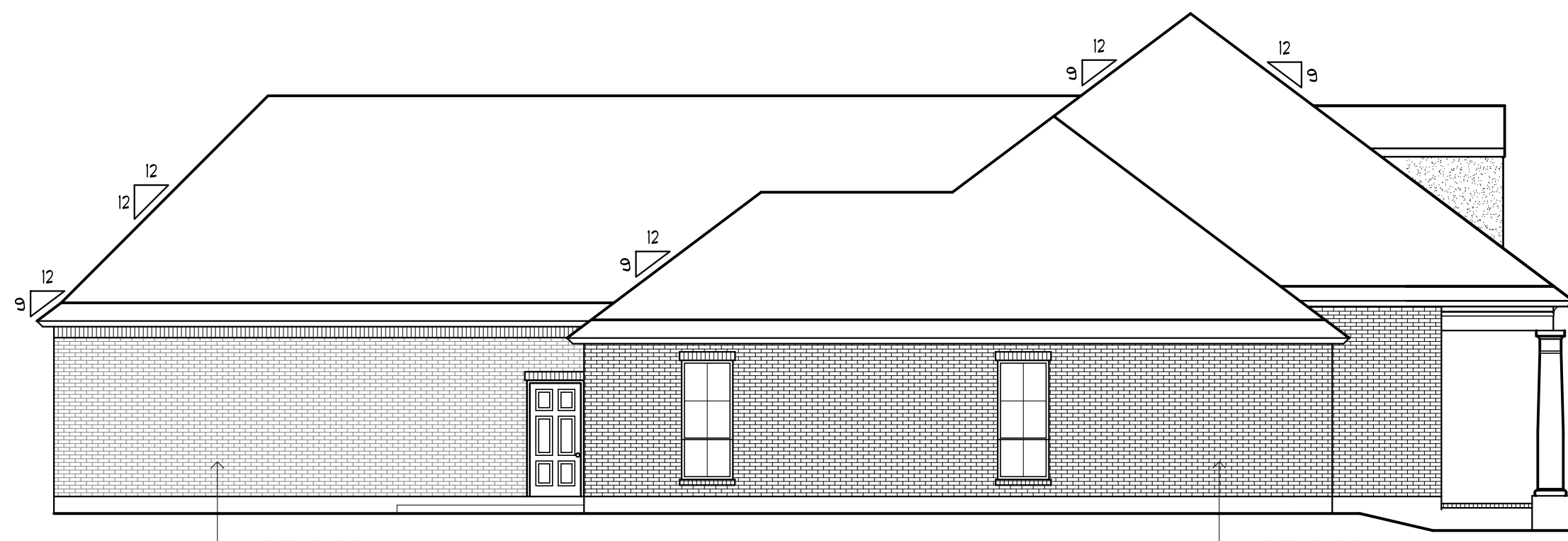
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**ELEVATIONS**

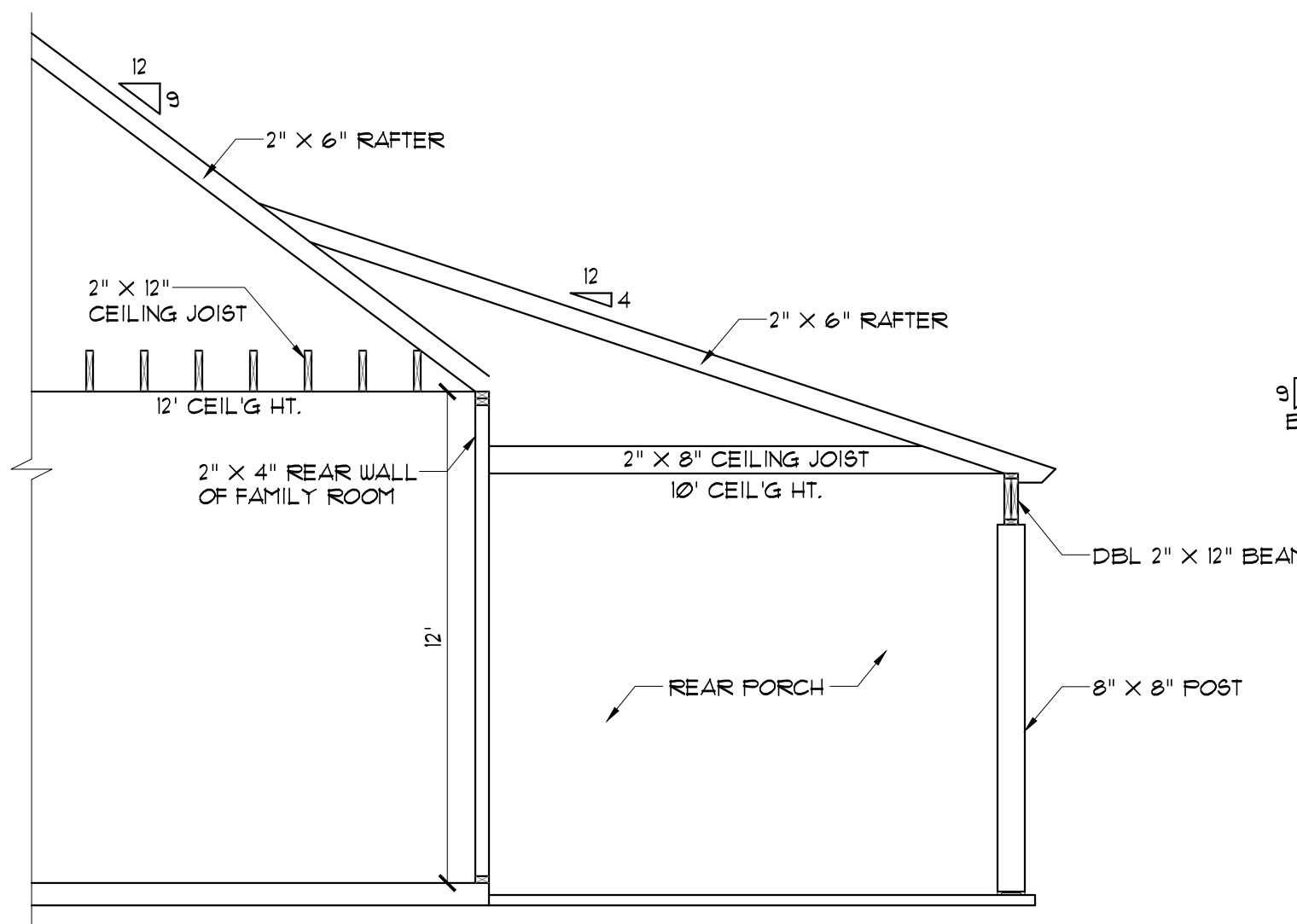
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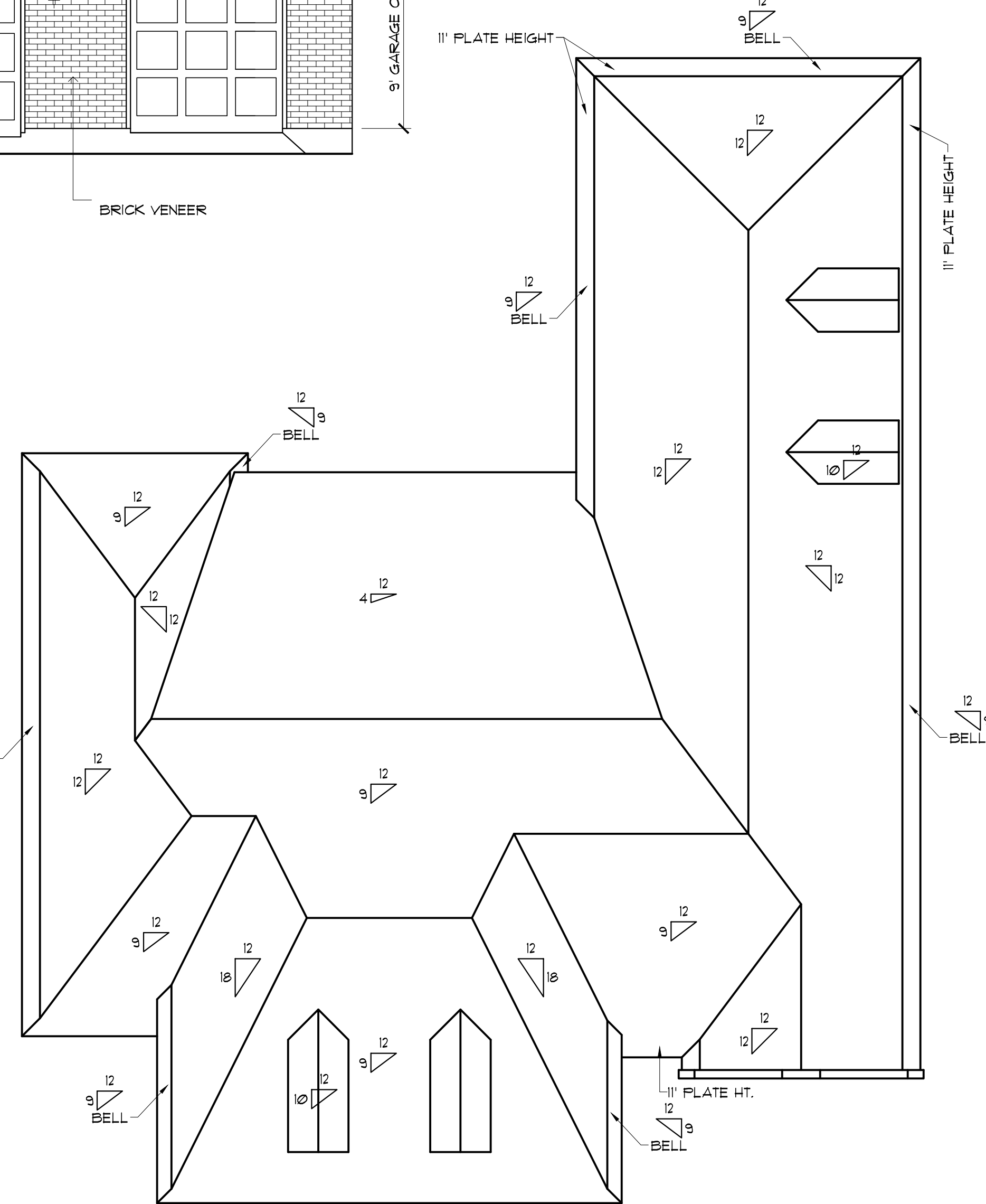
**RIGHT SIDE ELEVATION**  
SCALE: 1/4"=1'-0"



**LEFT SIDE ELEVATION**  
SCALE: 1/8"=1'-0"

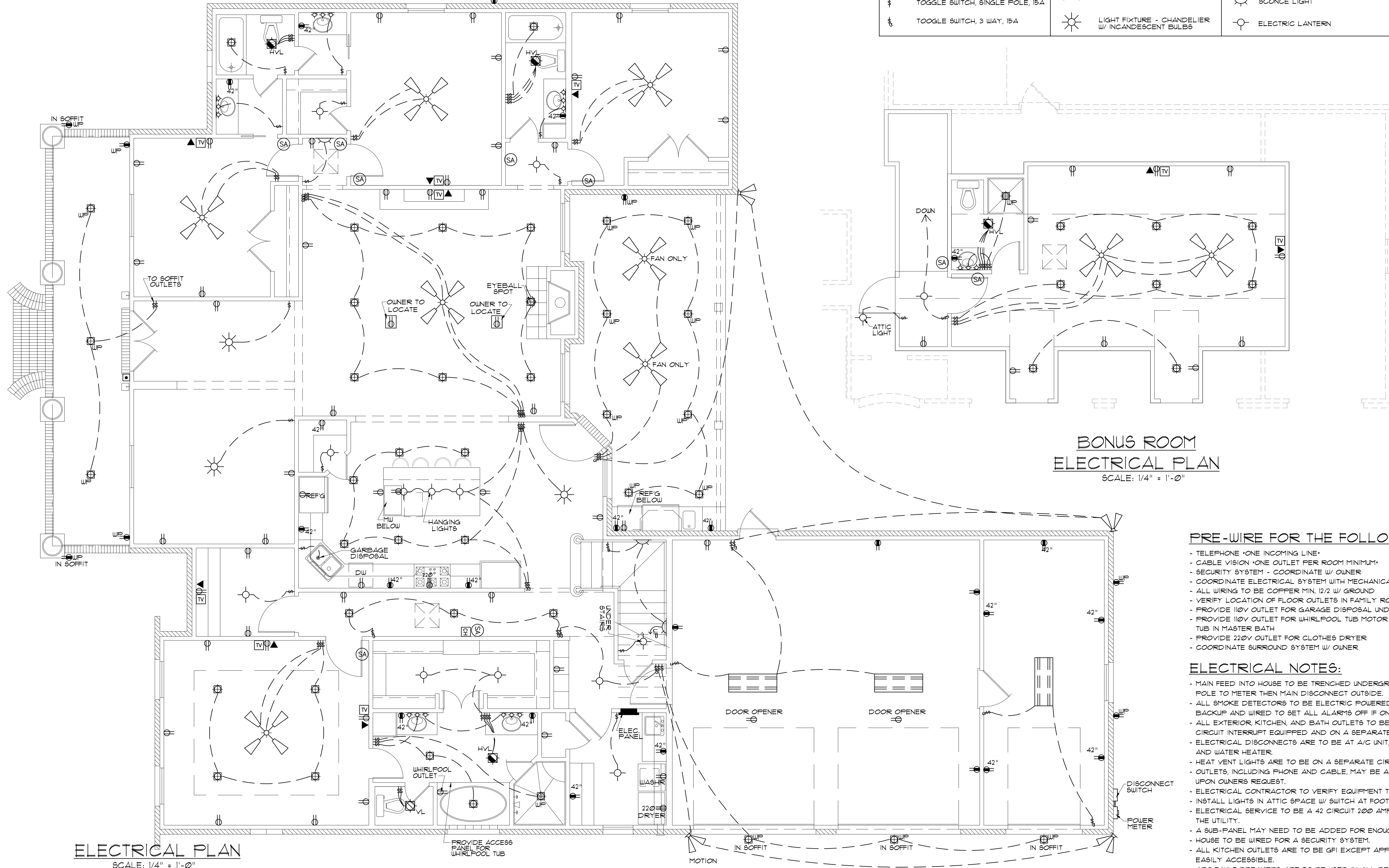


**REAR PORCH SECTION**  
SCALE: 1/4"=1'-0"



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

ELECTRICAL SYMBOL LEGEND					
TV	CABLE OUTLET	□	ELEC. DOOR BELL	⊠	LED RECESSED LIGHT
▼	TELEPHONE/ ETHERNET OUTLET	CH	DOORBELL CHIME	▬	LIGHT FIXTURE - FLOURESCENT
⊕	RECEPTACLE, 15A, 125V, 2 POLE 3 WIRE, GROUNDED, DUPLEX	⌞	DIMMER SWITCH	⊙ SA	SMOKE ALARM - 110V ELEC. W/ CARBON MONOXIDE DETECTOR
⊕	FLOOR DUPLEX RECEPTACLE	⊙	LIGHT FIXTURE, INCANDESCENT CEILING MOUNTED	⊙	VANITY LIGHT
⊕	GROUND-FAULT-CIRCUIT-INTERLIFT RECEPTACLE-USE SQUARE D QUICK GUARD FOR WP LOCATIONS	⊙	LIGHT FIXTURE, INCANDESCENT EXTERIOR FLOODS	⊙	HEAT/VENT/LIGHT
⊕ 220	RECEPTACLE, 50A, 220V, 2 POLE 3 WIRE, GROUNDED	⊙	CEILING FAN W/ LIGHT - PROVIDE SEPERATE SWITCHES FOR F & L	⊙	VENT/LIGHT ONLY
⊕	TOGGLE SWITCH, SINGLE POLE, 15A	⊙	LIGHT FIXTURE - CHANDELIER W/ INCANDESCENT BULBS	⊙	SCONCE LIGHT
⊕	TOGGLE SWITCH, 3 WAY, 15A	⊙		⊙	ELECTRIC LANTERN



**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 GET 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 UTILITY.
- 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.
- AFC 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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**ELECTRICAL PLAN**

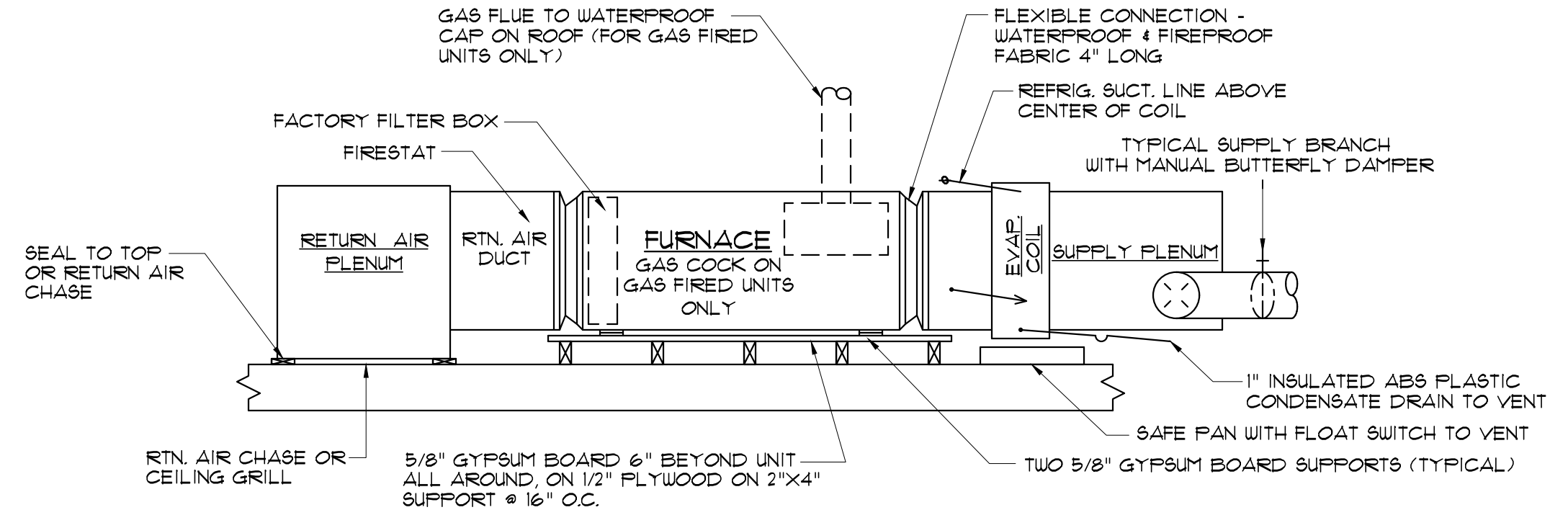
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NOTE:  
CONFIRM WATER HEATERS  
SIZES AND TYPES



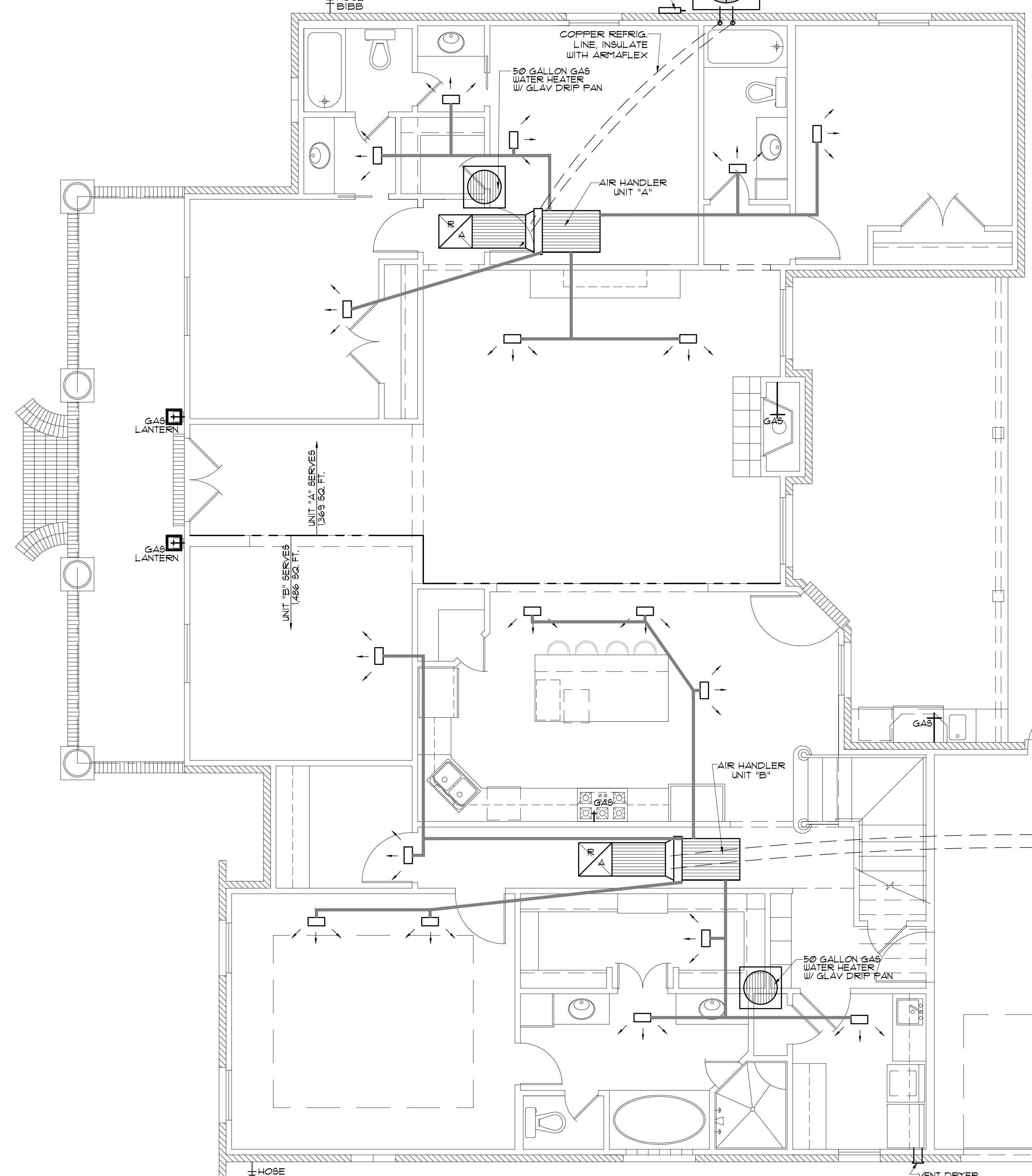
**HVAC ELEVATION DETAIL - HORIZONTAL TYPE**  
SCALE: NONE

**HVAC NOTES**

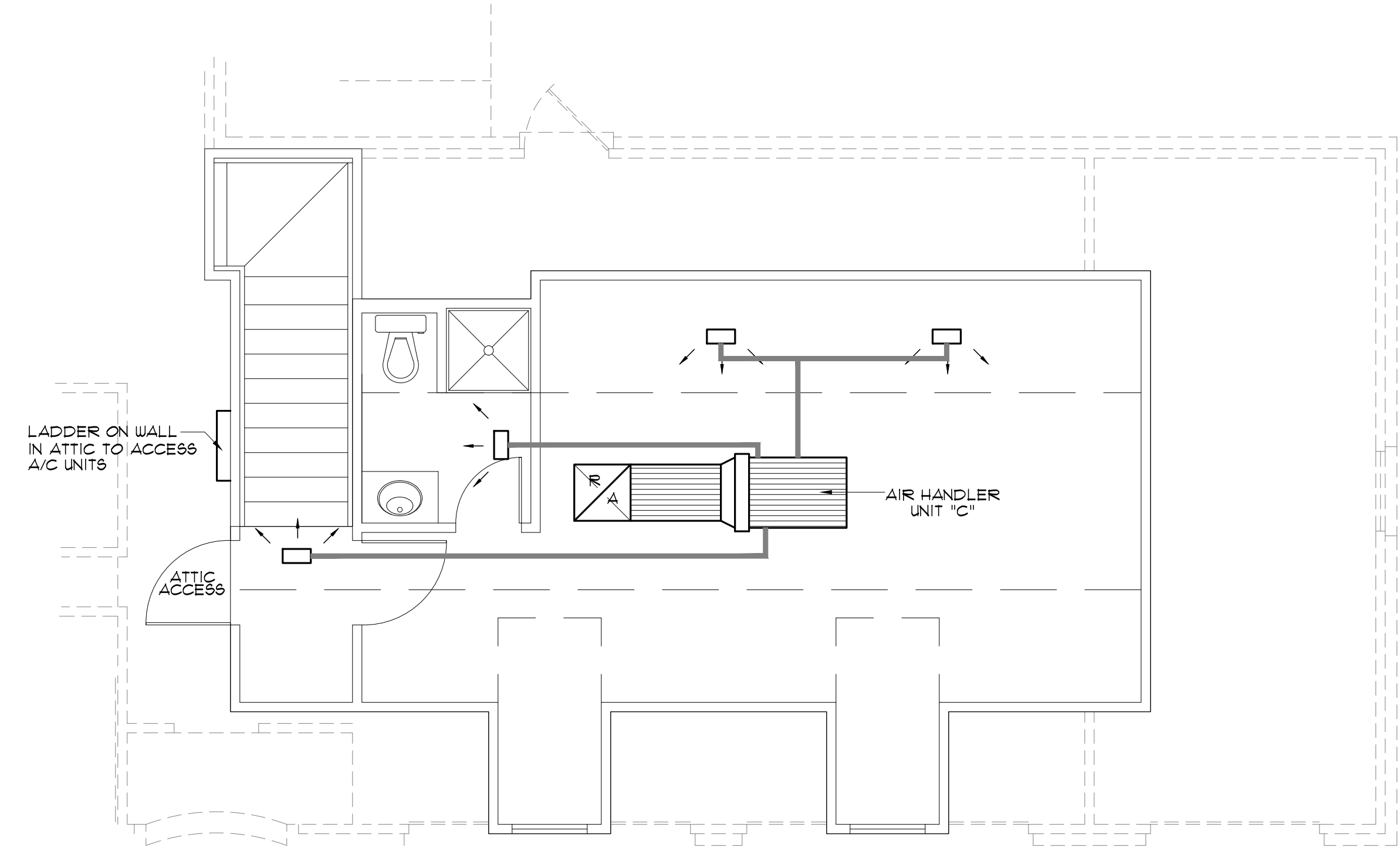
- HEATER: GAS FURNACE  
A/C UNIT "A": 3 TONS, 36,000 B.T.U. COOLING, 3 HP.  
RETURN AIR: 24" X 24" FILTER GRILLES  
A/C UNIT "B": 3.5 TONS, 42,000 B.T.U. COOLING, 3.5 HP.  
RETURN AIR: 24" X 24" FILTER GRILLES
- HEATER: ELECTRIC  
A/C UNIT "C": 15 TONS, 18,000 B.T.U. COOLING, 15 HP.  
RETURN AIR: 24" X 24" FILTER GRILLES
- COMPRESSOR MOTOR W/ 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. S/WAY TO UNIT AND WATER HEATER.
- PROVIDE GALV. METAL FAN 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 LIGHTS IN MASTER BATH AND BATHS, STOVE HOOD IN KITCHEN.

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



**BONUS ROOM MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"

**SUGGESTED HEAT & AIR 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 6J INSULATE W/ 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".
- HVAC SYSTEM SHALL COMPLY WITH SEC 12 NFPA: 101-1991.
- HVLS, VLS, HV'S & GAS RANGE HOODS MUST VENT OUTSIDE. BATHROOM EXHAUST VENTS TO THE OUTSIDE OR PROVIDE MINIMUM 15 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, - 25' FOR 45 DEGREE TURN OR PER MANUFACTURER) AND DISCHARGE LOCATION. ALL PLANS NOT SHOWING DRYER VENT THROUGH EXTERIOR WALL/ROOF MUST GET PLANS APPROVED BY MECHANICAL INSPECTOR. VENTING THROUGH THE GARAGE IS NOT ALLOWED BY THE INTERNATIONAL RESIDENTIAL BUILDING CODE.

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**ALAN & LAURA NOVAK**

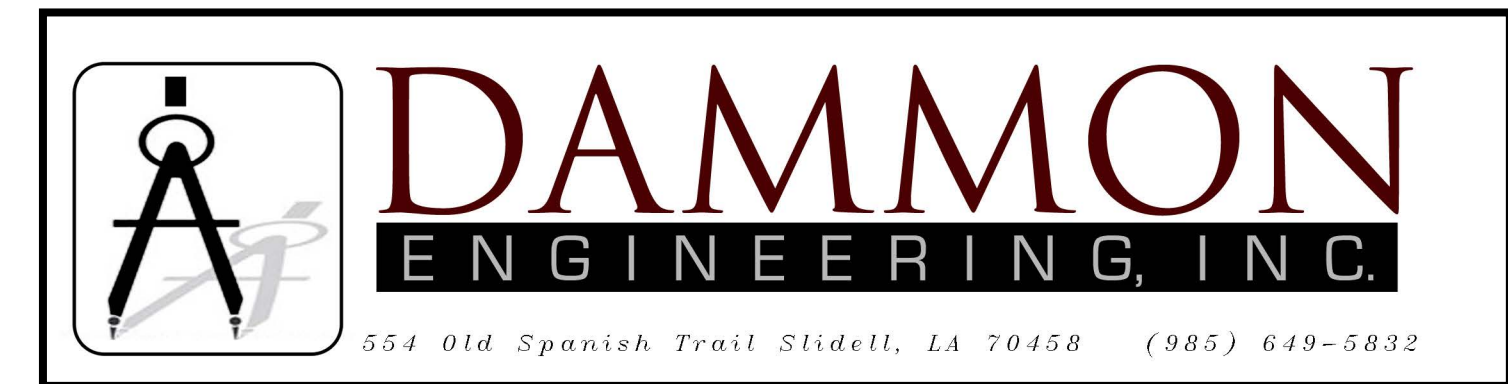
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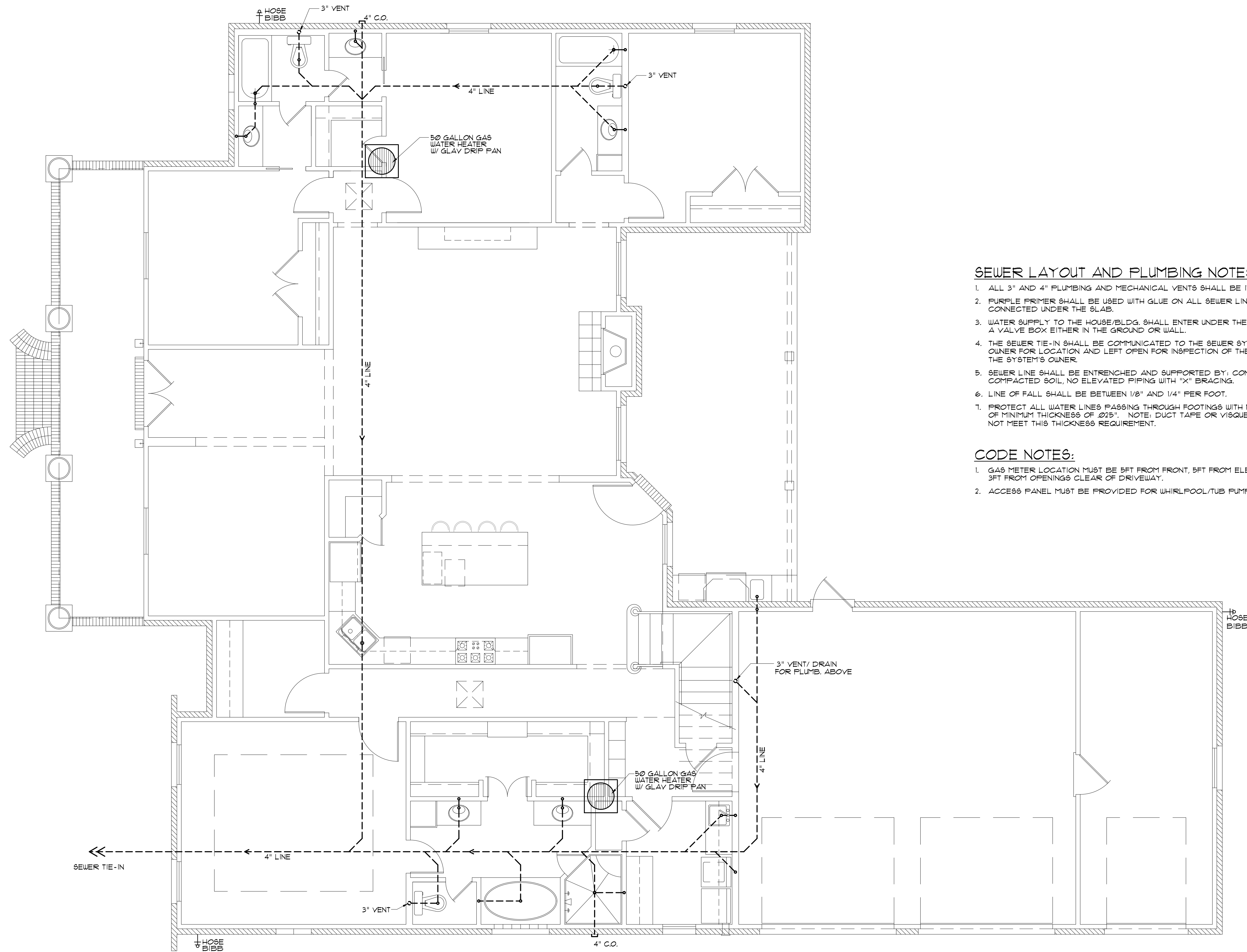
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**MECHANICAL PLAN**

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**SEWER LAYOUT AND PLUMBING NOTES**

1. ALL 3" AND 4" PLUMBING AND MECHANICAL VENTS SHALL BE IN 6" WALLS.
2. PURPLE PRIMER SHALL BE USED WITH GLUE ON ALL SEWER LINE JOINTS CONNECTED UNDER THE SLAB.
3. WATER SUPPLY TO THE HOUSE/BLDG. SHALL ENTER UNDER THE SLAB WITH A VALVE BOX EITHER IN THE GROUND OR WALL.
4. THE SEWER TIE-IN SHALL BE COMMUNICATED TO THE SEWER SYSTEM'S OWNER FOR LOCATION AND LEFT OPEN FOR INSPECTION OF THE TIE IN BY THE SYSTEM'S OWNER.
5. SEWER LINE SHALL BE ENTRENCHED AND SUPPORTED BY CONTINUOUS COMPACTED SOIL. NO ELEVATED PIPING WITH "X" BRACING.
6. LINE OF FALL SHALL BE BETWEEN 1/8" AND 1/4" PER FOOT.
7. PROTECT ALL WATER LINES PASSING THROUGH FOOTINGS WITH MATERIAL OF MINIMUM THICKNESS OF 25". NOTE: DUCT TAPE OR VISQUEEN DOES NOT MEET THIS THICKNESS REQUIREMENT.

**CODE NOTES:**

1. GAS METER LOCATION MUST BE 5FT FROM FRONT, 5FT FROM ELECTRIC, 3FT FROM OPENINGS CLEAR OF DRIVEWAY.
2. ACCESS PANEL MUST BE PROVIDED FOR WHIRLPOOL/TUB PUMP & SUPPLY AREA.

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

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