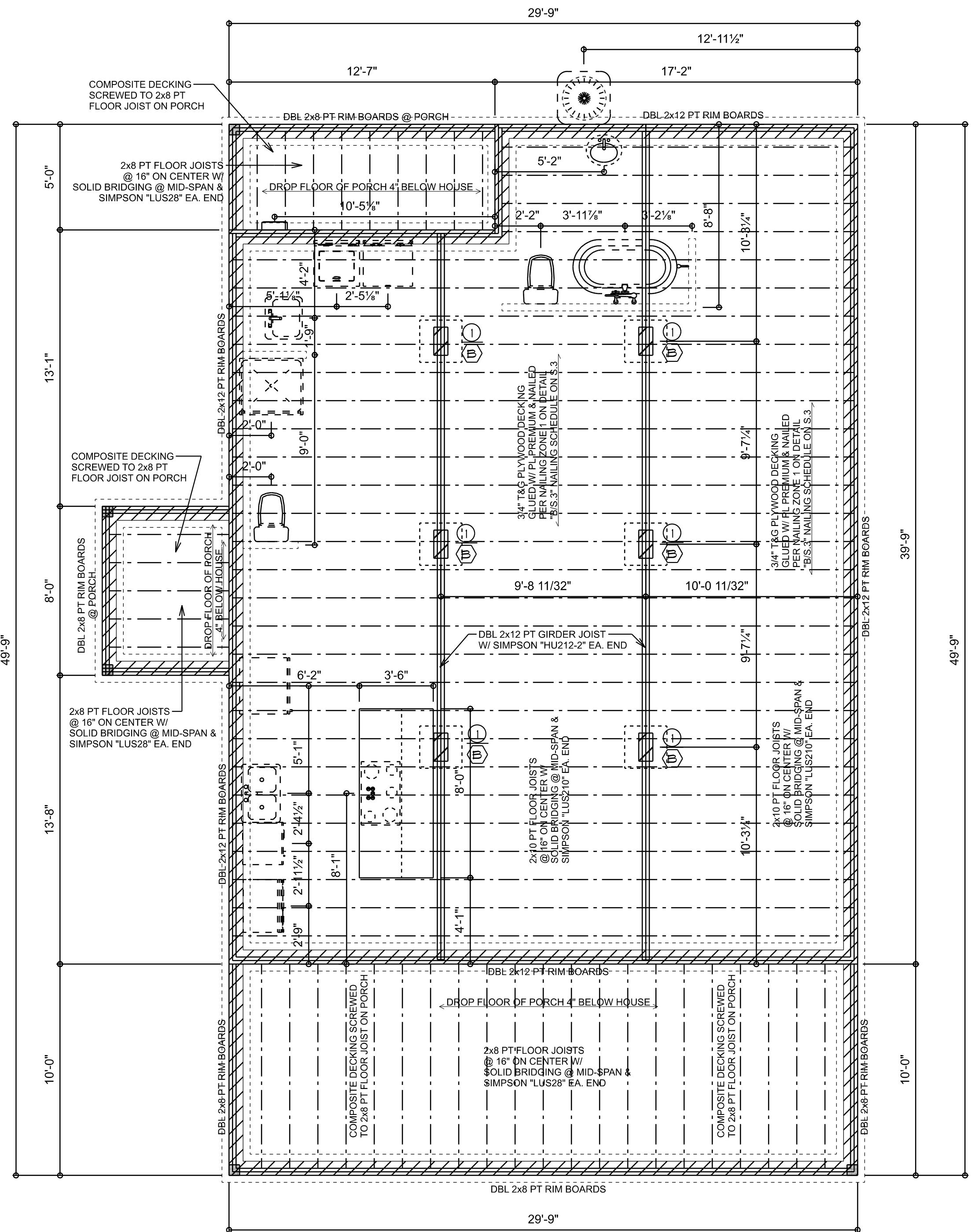




FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

FOOTING SCHEDULE

- (A) 20" X 12" X CONT., FOOTING, W/ 2 #5 REBAR, BOTTOM, CONT., 4' 1" #4 REBAR @ 48" O.C., TRANSVERSE
- (B) 28" SQ. X 12" THK. PAD FOOTING, W/ 3 #5 EA. WAY, BOTTOM
- (C) 32" SQ. X 12" THK. PAD FOOTING, W/ 4 #5 EA. WAY, BOTTOM

PIER / POST SCHEDULE

- (1) 8" X 16" CONC. FILLED CONC. BLOCK W/ 2 #5 VERT. REBAR HOOKED TO FTG USE 1"O" BLOCK, FOR POST ANCHOR PLACEMENT 4 USE 2 - HETA STRAPS TO FLOOR BEAM LAP VERT. 12" MIN.
- (2) 16" X 16" CONC. FILLED CONC. BLOCK W/ 2 #5 VERT. REBAR HOOKED TO FTG USE 1"O" BLOCK, FOR POST ANCHOR PLACEMENT 4 USE 2 - HETA STRAPS TO FLOOR BEAM LAP VERT. 12" MIN.
- (3) 6X6 PT WOOD POST

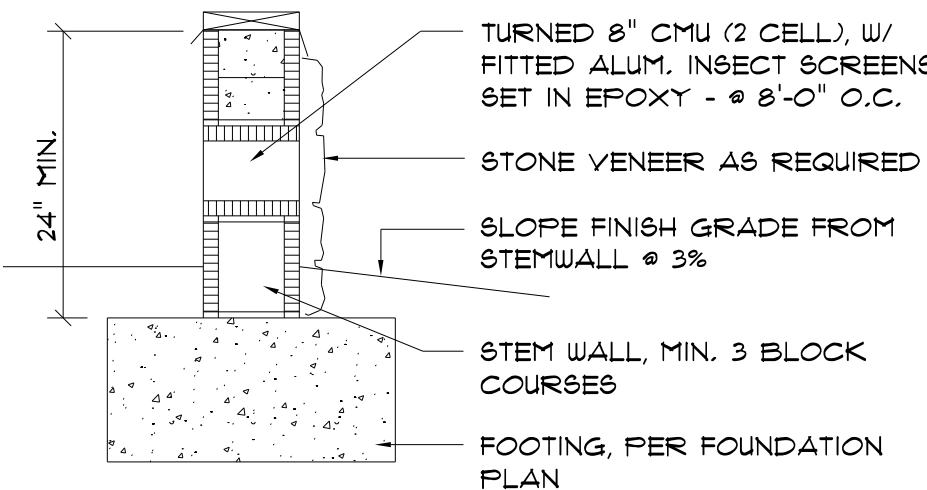
CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 40 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX $F'_c = 3000$ PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX $F'_c = 3000$ PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - $F_m = 1500$ PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

NOTE:

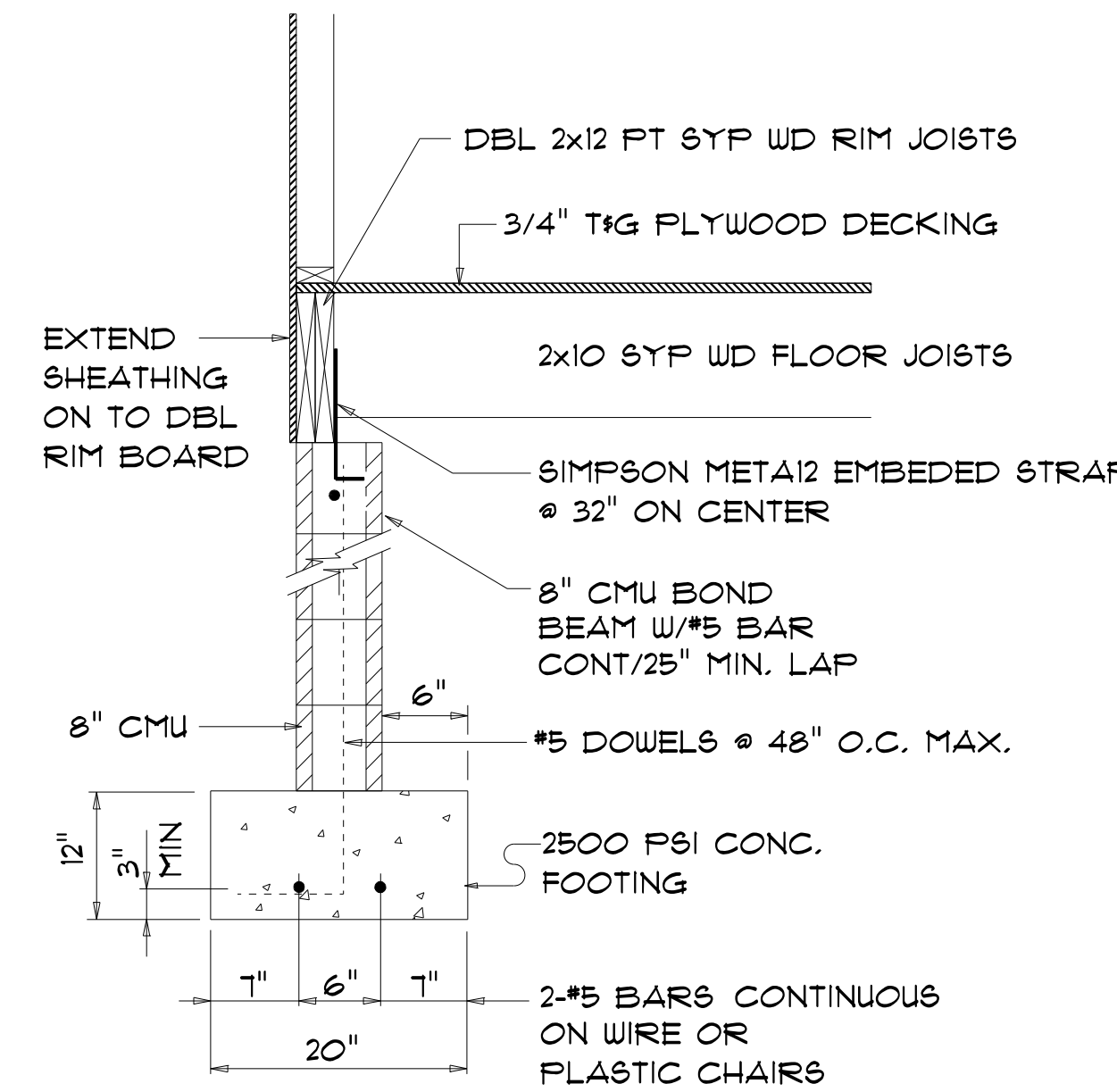
- FOUNDATION SHOWN IS FOR CLEAN SAND OR ROCK FILL ONLY. OTHER CONDITIONS SHOULD BE DESIGNED BY A LICENSED ENGINEER.
- ASSUMED SOIL BEARING CAPACITY 2000 PSF.
- ALL CONCRETE SHALL BE 3000 PSI.
- PROVIDE ACCESS AND VENTS AS PER CODE.
- FLOOR SYSTEM IS RATED USING #2 SYP.
- DOUBLE FLOOR JOIST UNDER ALL PARALLEL PARTITION WALLS.
- ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.
- MASONRY PIERS OVER 32" TALL SHALL BE 12X16 WIDE.
- PROVIDE SOLID BLOCKING UNDER ALL BEARING POINTS.
- ALL ANCHOR STRAPS, POST BASES, ANCHOR BOLTS AND ALL OTHER ASSOCIATED METAL CONNECTORS REQUIRED TO BE PLACED PRIOR TO POURING CONCRETE, BY THE PLANS AND/OR PERMIT ISSUING AUTHORITY. SHALL BE PROVIDED BY THE CONTRACTOR.
- PORCH 4 1st FLOOR MTL. JOIST HANGERS MAY BE PROVIDED BY SRL, INC. - VERIFY W/ SALES AGREEMENT PRIOR TO ORDERING.
- LOG ASSEMBLY METAL COMPONENTS, ALONG W/ GALVANIZED COMMON NAILS (8d THRU 16d) MAY BE PROVIDED BY SRL, INC. - VERIFY W/ SALES AGREEMENT PRIOR TO ORDERING.
- ALL OTHER FRAMING CONNECTORS AND THE ASSOCIATED THRU-BOLTS AND/OR LAG SCREWS, REQUIRED BY THE PLANS AND/OR PERMIT ISSUING AUTHORITY, SHALL BE PROVIDED BY THE CONTRACTOR.

FOUNDATION VENTILATION:
PROVIDE 1 SQIN VENTILATION FOR EACH SF OF CRAWLSPACE AREA:
116.5/8F = 116.5GIN VENT AREA REQUIRED - CMU VENT BLOCKS = 55.5GIN
116.5GIN/55.5GIN = 2.03 OR 21 VENT BLOCKS REQUIRED - LOCATE UNIFORMLY AROUND PERIMETER OF STEMWALL (APPROX. 8'-2" O.C.).



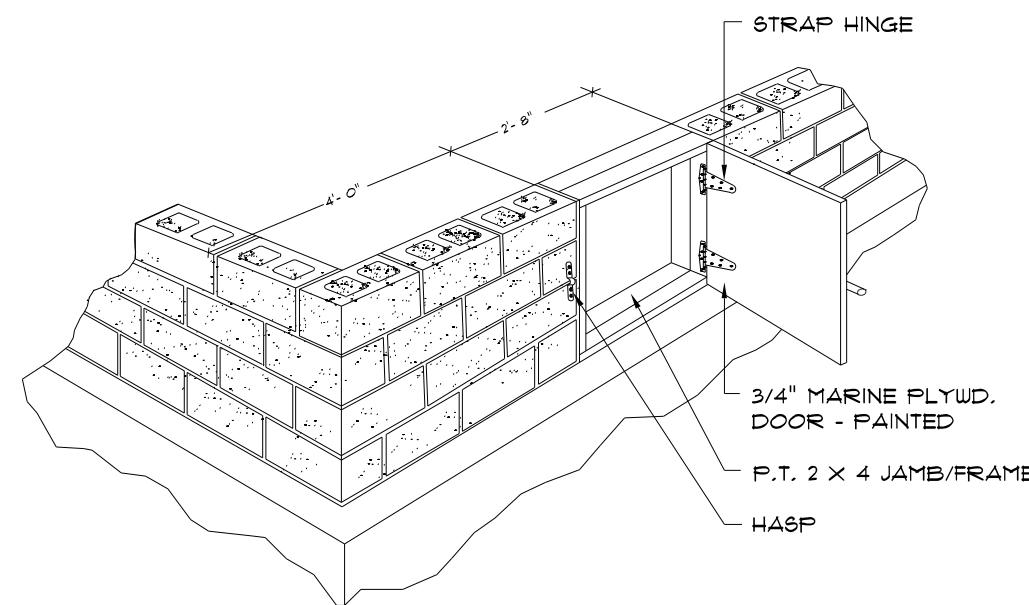
Foundation Vent DET.

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



SECTION A

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



Crawl Space DETAIL

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



REVISIONS
Feb. 14th, 2024

CUSTOM HOME FOR:
BEHR RESIDENCE
288 SE STARDUST PLACE, LAKE CITY, FLORIDA 32025

NICHOLAS PAUL GEISLER ARCHITECT
1755 NW Brown Rd.
Lake City, FL 32055

SHEET NUMBER
S.1
OF 4 SHEETS

N. P. GEISLER
R.
Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER email =
npgeisler47@gmail.com C = US O =
AR0007005 OU = N.P. GEISLER
Date: 2024.03.12 16:53:58 -0500

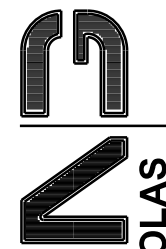
AR0007005

REVISIONS
Feb. 14th, 2024

CUSTOM HOME FOR:

BEHR RESIDENCE

288 SE STARDUST PLACE, LAKE CITY, FLORIDA 32025



NICHOLAS
GEISLER
ARCHITECT
INC.

1755 NW Brown Rd.
Lake City, FL 32025

SHEET NUMBER

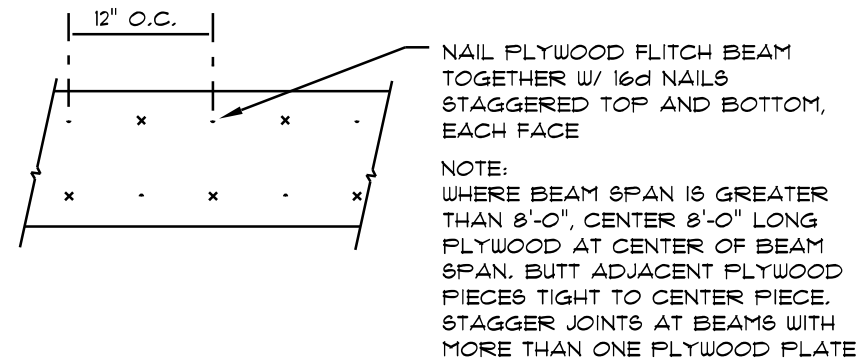
S.2

OF 4 SHEETS

N.P. GEISLER

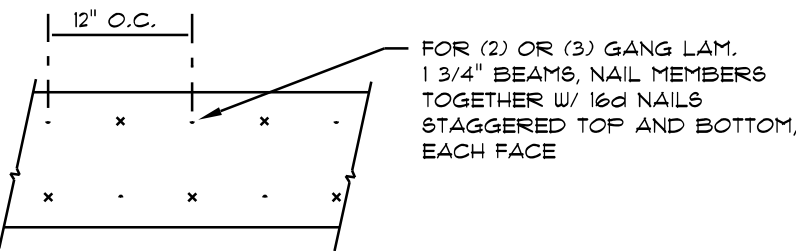
Digitally signed by N.P. GEISLER
DN: cn = N.P. GEISLER, email =
npgisler47@gmail.com, c = US, o =
AR0007005 OU = N.P. GEISLER
Date: 2024.03.12 15:54:20 -0500

AR0007005



PLYWOOD FLITCH BEAM DETAIL

NOT TO SCALE



MULTIPLE GANG LAM. DETAIL

NOT TO SCALE

B/U Beam DETAILS

SCALE: NONE

ROOF PLAN NOTES

- R-1** SEE ELEVATIONS FOR ROOF PITCH
- R-2** ALL OVERHANG 18" (12" on gables) UNLESS OTHERWISE NOTED
- R-3** PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
- R-4** SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5** MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

NOTE!
ANCHOR GIRDER TRUSSES TO HEADER WITH 2 "SIMPSON" LGT2, 3 OR 4).
ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST2 EA. END - TYP., T.O.

STANDARD HEADER SCHEDULE

0'-0" UP TO 6'-0" OPENINGS

DOUBLE 2x8 No.2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA16 TOP AND 1 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 1 FULL HEIGHT STUD EACH SIDE OF OPENING

6'-0" UP TO 9'-0" OPENINGS

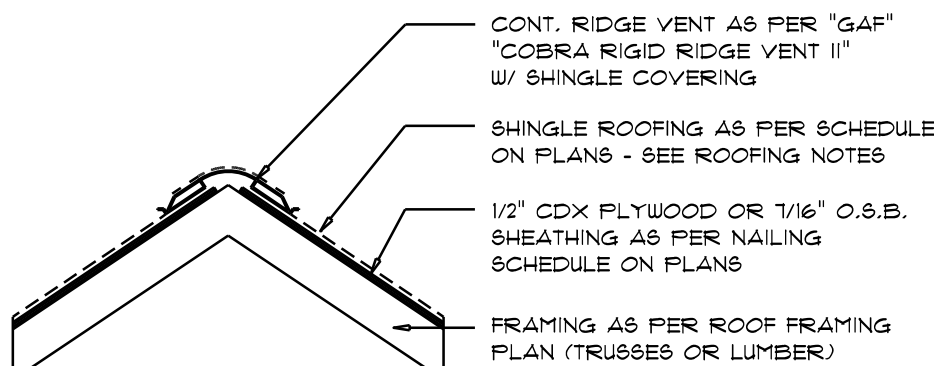
DOUBLE 2x12 No.2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA16 TOP AND 2 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 2 FULL HEIGHT STUDS EACH SIDE OF OPENING

9'-0" UP TO 16'-0" OPENINGS

DOUBLE 2x12 No.2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA16 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

16'-0" GARAGE DOOR OPENINGS

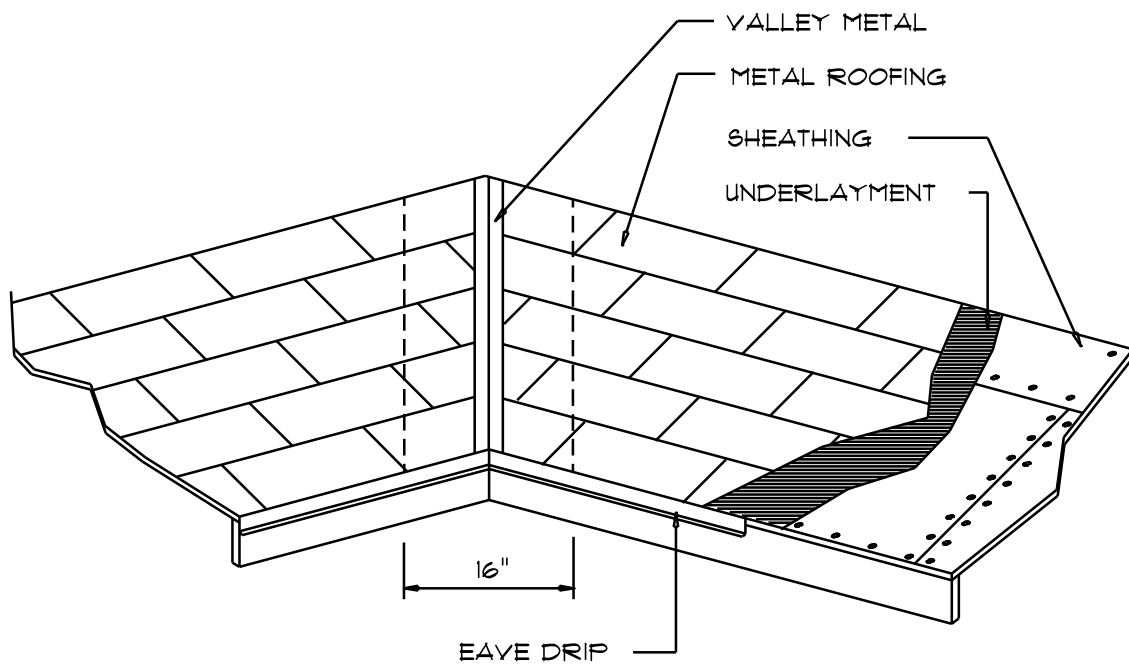
2 FLY 1 1/8" x 11 1/8" 2.0E MICROLAM LVL HEADER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA16 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING



MIAMI/DADE PRODUCT APPROVAL REPORT: *38-0713.05

Ridge Vent DETAIL

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



VALLEY FLASHING

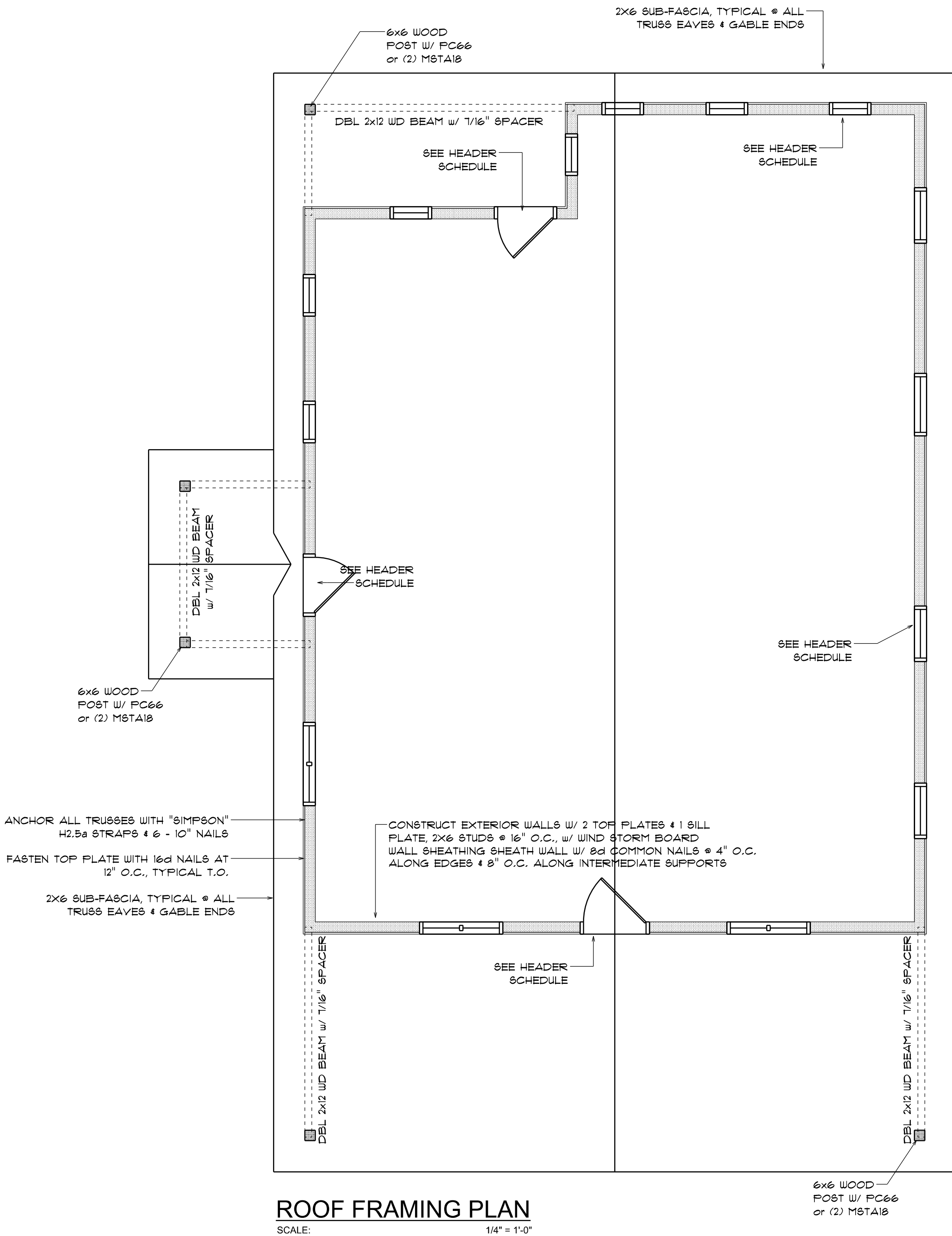
ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (oz.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0175	26 (ZINC COATED G30)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
- ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN No.2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.



ROOF FRAMING PLAN

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

General Roofing NOTES:

DECK REQUIREMENTS:
METAL PANELS MUST BE FASTENED TO 1x4 FURRING FURLING OR 1/2" PLYWOOD

CAULKING:
MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT
SUPPLIED IN TAPE OR GUN-GRADE FORM.

METAL PANEL:
METAL PANELS SHALL BE
MIN. 29 GAUGE AND COMPLY WITH ASTM A-792 AND D 1-98

FASTENERS:
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED
WOOD FAST SCREW, MINIMUM OF #3 X 1 1/2" HEX HEAD.

ATTACHMENT:
METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN
24" O.C., WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR
GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS
OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM
WITH ASTM E 330 OR FA 125.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S
INSTALLATION INSTRUCTIONS.

1. RC-1 - RIDGE CAP
2. ED-1 - EAVE DRIP
3. EF-3 - EAVE FLASHING
4. SW-1 - SIDEWALL FLASHING
5. EW-1 - ENDWALL FLASHING
6. GR-4 - GABLE END OR RAKE BOARD FLASHING
7. TF-1 - TRANSITION FLASHING
8. PV-2 - PREFORMED VALLEY FLASHING
9. BUTYL TAPE
10. SEALANT TAPE
11. PIPEBOOT

UNDERLAYMENT APPLICATION:
UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

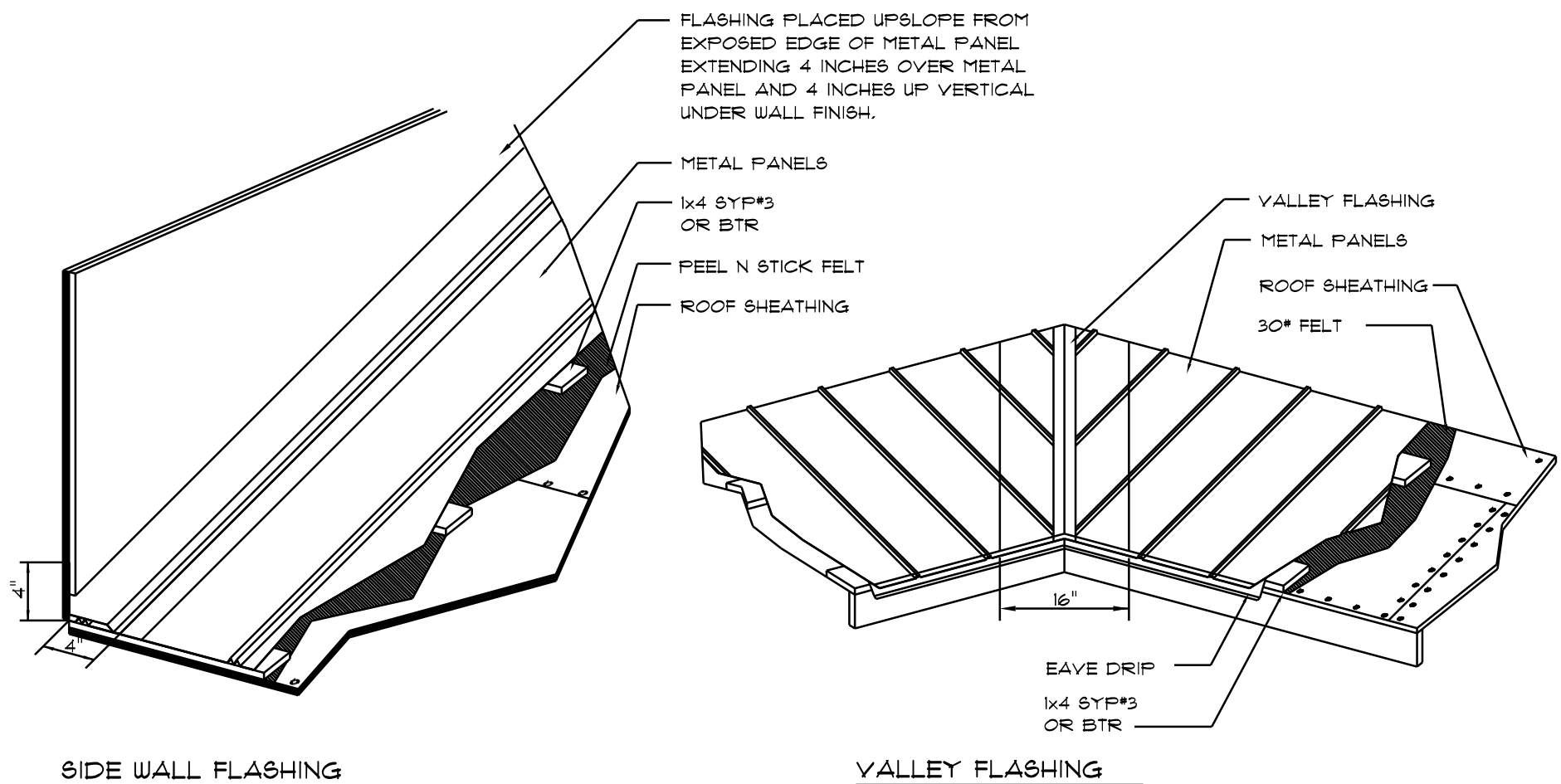
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE
APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO
STAY IN PLACE.

2. STARTING AT THE EAVE, 3/8 INCH WIDE STRIPS OF UNDERLAYMENT FELT
SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND
FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S
INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION
RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL
SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LBS PER 100 SQUARE
FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM
NOMINAL THICKNESS OF 0.019 INCH.

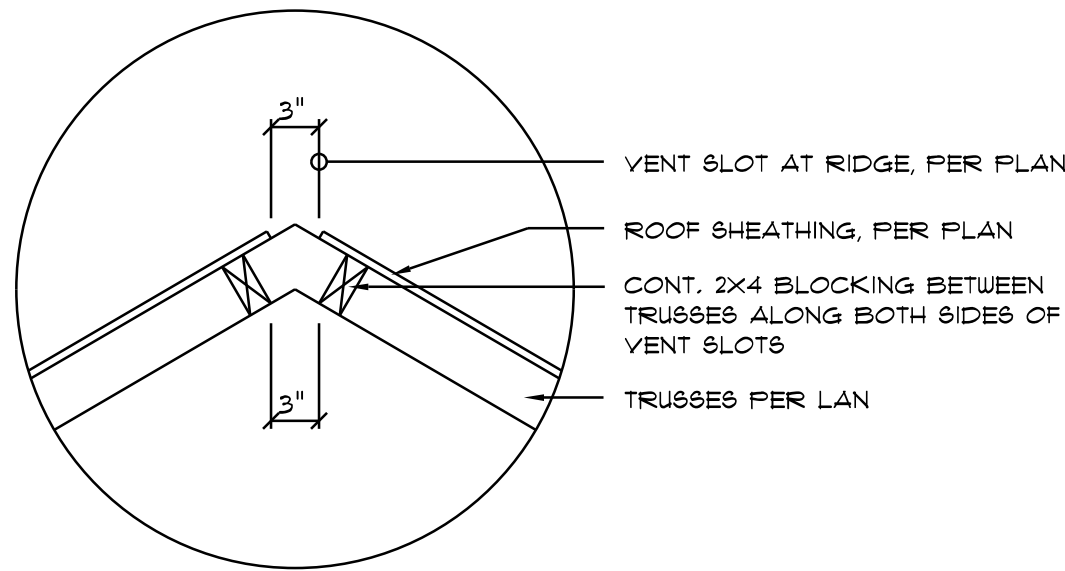
VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY
LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.

1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE
AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS
IN FBC TABLE 1501.3.9.2.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE
ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 19
INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
1. BOTH TYPES 1 AND 2 ABOVE COMBINED.
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND
COMPLYING WITH ASTM D 224.
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING
WITH ASTM D 1910.



METAL ROOFING. DET.

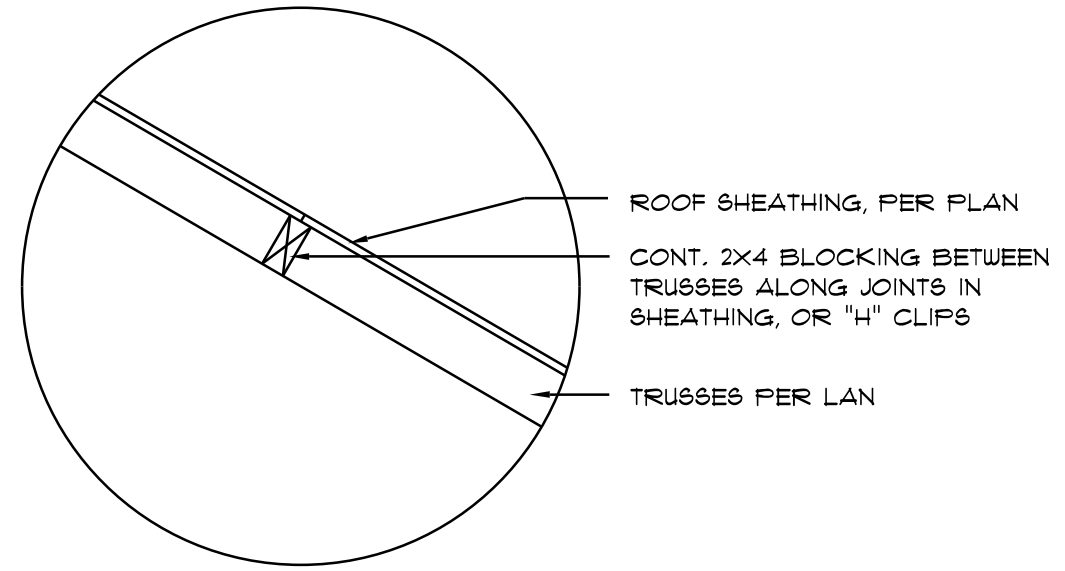
SCALE: NONE



Vent DETAIL

SCALE: NONE

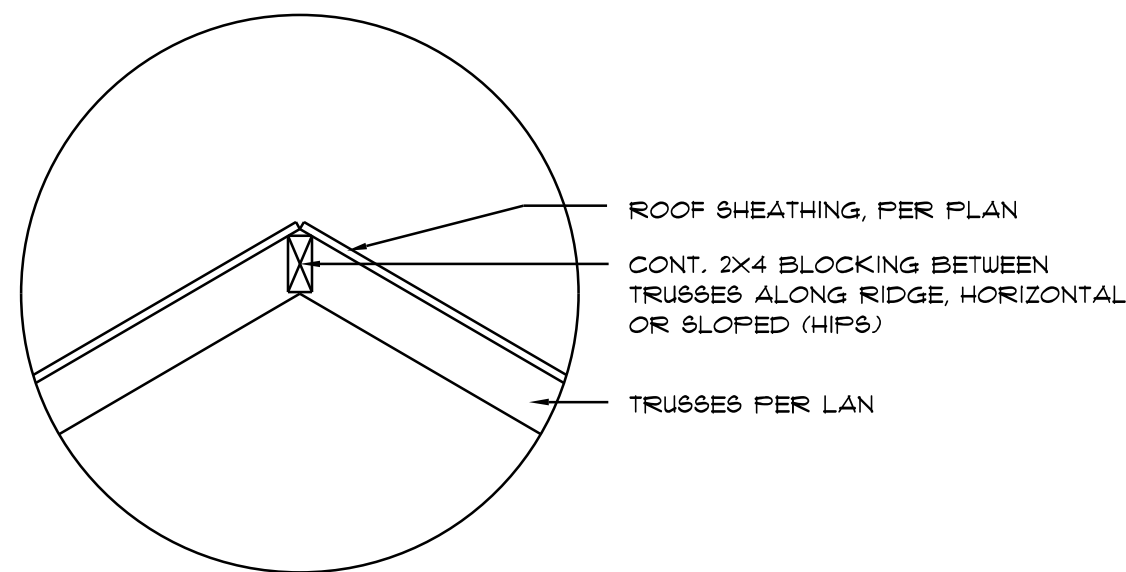
A1



Joint DETAIL

SCALE: NONE

A2



Ridge DETAIL

SCALE: NONE

A3

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFR/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5a or SDWC15600	600*
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT. W/ 28 - 16d NAILS	1785*
HEADER TO KING STUD(S):	SIMPSON ST22	1370*
PLATE TO STUD:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
STUD TO SILL:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
FORCH BEAM TO POST:	SIMPSON PC44 or (2) 5/8" LAG BOLTS EA. POST	1700*
FORCH POST TO FND.:	SIMPSON ABU44	2200*
MISC. JOINTS	SIMPSON A34	315*/240*

NOTE:
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE
MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/
JOINT REINFORCEMENT AND FASTENERS.

NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH
SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:
"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #35-0818.15

NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #31-0107.05, #36-1126.11, #39-0623.04
SBCCI NER-443, NER-393

		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE T° TO ZT°				
ZONE	WIND	WIND NO.	WIND SPEED 10 MPH	WIND SPEED 120 MPH	WIND SPEED 130 MPH	WIND SPEED 140 MPH
ROOF TO ZT°	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
		20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4
		30	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
		20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
		30	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
		20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
		30	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
		20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
		30	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
WALL	5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0	
	30	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8	

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.47
20	.89	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66

5M-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE "C"									
ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	100 - 110		120 - 130		140 - 150	
				O/C SPACING	TRIM	O/C SPACING	TRIM	O/C SPACING	TRIM
1	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL. SCR.	#12 X 1" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"
2 & 3	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL. SCR.	#12 X 1" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	8"

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Trusses @ 24" O.C.
Walls: 2x4/6 Wood Studs @ 16" O.C.
Floor: 4" Tnk. Concrete Slab w/ Fiberglass Concrete Additive
Foundation: Continuous Footer/Steam Wall

ROOF DECKING

Material: 1/2" CDX Plywood or 1/16" O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: .113 RING SHANKED Nails per schedule on sheet 5.4

SHEARWALLS

Material: 1/2" CDX Plywood or 1/16" O.S.B.
Sheet Size: 48"x96" Sheets Placed Vertical
Fasteners: .113 Common Nails @ 4" O.C. Edges @ 8" O.C. Interior
Dragstrut: Double Top Plate (S.Y.F.) w/16d Nails @ 12" O.C.
Wall Studs: 2x4/6 Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON H2.5a @ Ea. Truss End (Typ. U.O.N.)
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6' from corner
Corner Hold-down Devices: (1) HP5a @ each corner
Forch Column Base Connector: Simpson ABU66 @ each column
Forch Column to Beam Connector: Simpson MSTA20 (2 ea. side) or
Simpson EPC66 or 2 - 5/8" thru bolts

FOOTINGS & FOUNDATIONS

Footings: 20"x12" Cont. W/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.
Stemwall: 8" C.M.U. w/1-#5 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA, 8th EDITION
BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND
SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION
AT TIME OF PERMIT.

2. WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "B"

BASED ON ANSI/ASCE 7-22, 2023 FBC 1609-A WIND VELOCITY: V_{ULT} = 130 MPH
V_{ASD} = 101 MPH

3. ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF

4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS: 40 PSF
RESIDENTIAL: 40 PSF
BALCONIES: 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER
AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL
BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR
ELECTRIC PANEL. FBC 104.2.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0"
AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY
HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS.
FBC 1503.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL
COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".
EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8"
THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND
BACKFILL IS COMPLETE. FBC 1816.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED
INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION
OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC
FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL
ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT.
FBC 1816.1.3

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT
AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RET-
ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER
MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE
OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER
CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION.
ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL
BE RETREATED. FBC 1816.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.
FBC 1816.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART-
MENT BY * LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF
OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE:
"THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION
OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE
RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CON-
SUMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED
FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE
STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING
MATERIAL. FBC 2303.1.3

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED
WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

REVISIONS

Feb. 14th, 2024

CUSTOM HOME FOR:

BEHR RESIDENCE

268 SE STARDUST PLACE, LAKE CITY, FLORIDA 32025

NICHOLAS
GEISLER
ARCHITECT

1755 NW Brown Rd.
Lakes City, FL 32025

SHEET NUMBER

S.3

OF 4 SHEETS

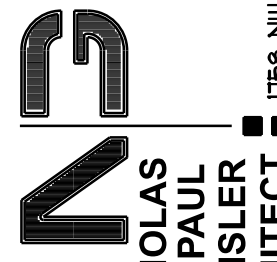
N. P.
GEISLER
R

Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER email =
npgisler47@gmail.com c = US o =
AR0007005 OU = N. P. GEISLER
Date: 2024.03.12 16:54:44 -0500

AR0007005

REVISIONS
Feb. 14th, 2024

CUSTOM HOME FOR:
BEHR RESIDENCE
268 SE STARDUST PLACE, LAKE CITY, FLORIDA 32025



NICHOLAS PAUL GEISLER ARCHITECT
NCA-RES Certified
1755 NW Brown Rd.
Lakeland, FL 32055

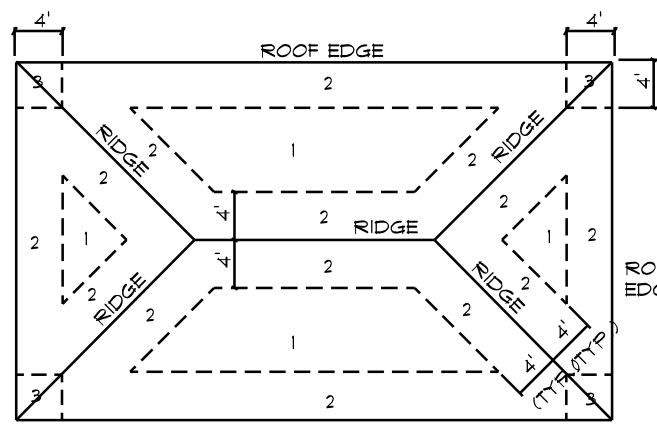
SHEET NUMBER
S.4
OF 4 SHEETS

N. P. GEISLER
R

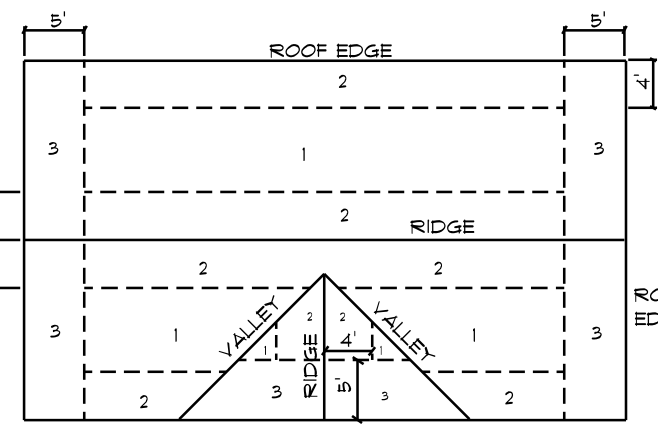
Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER, email =
npgisler47@gmail.com, C = US, O =
AR0007005 OU = N. P. GEISLER
Date: 2024.03.12 16:55:09 -0500

AR0007005

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/16" O.S.B. OR 15/32 CDX	8d RING SHANK OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 6 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES
(HIP ROOF)

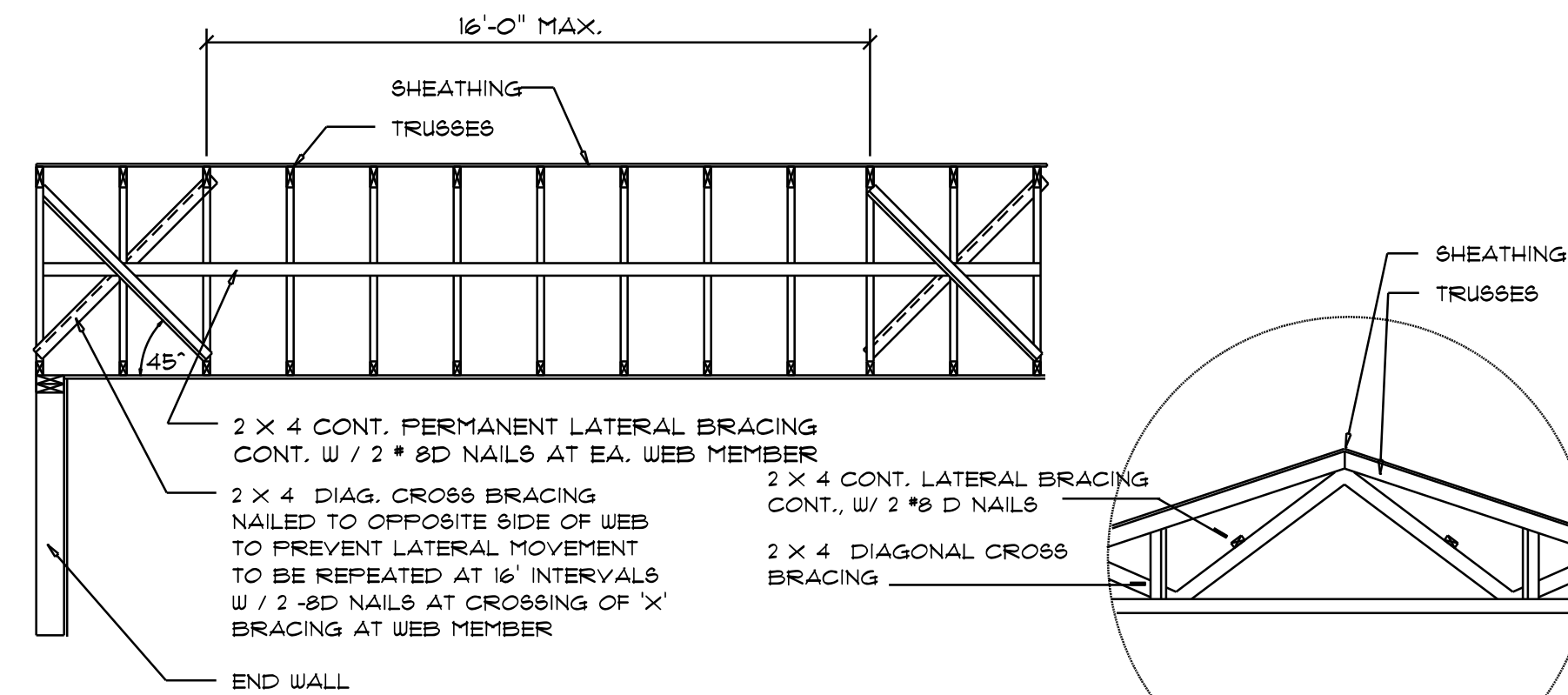


ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

B



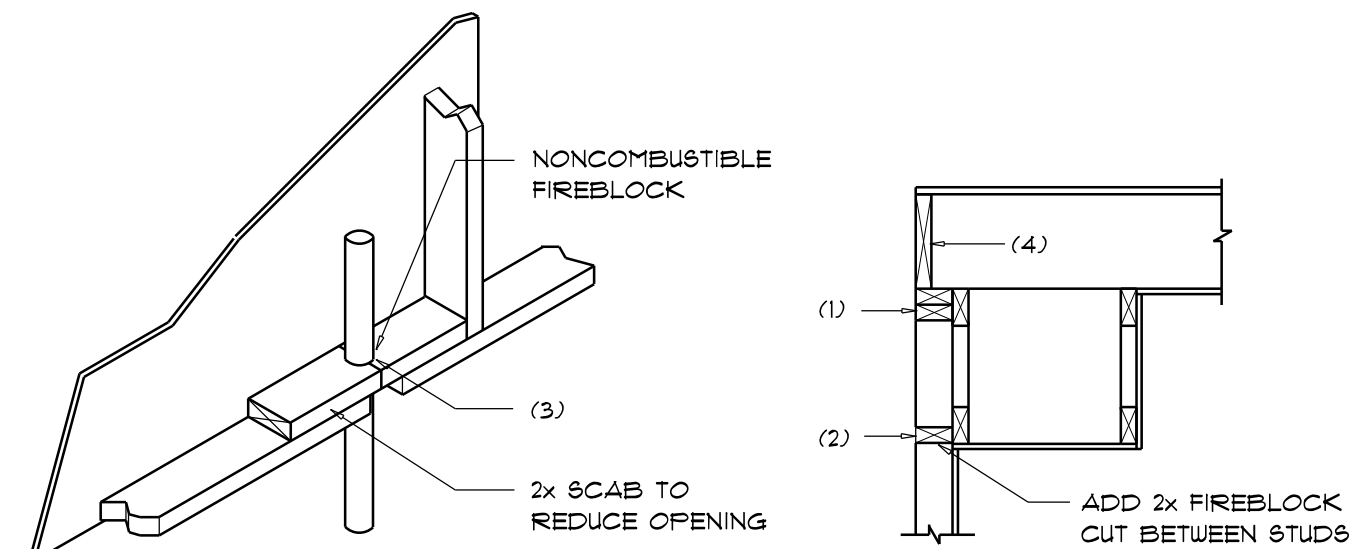
TYP. PERMANENT TRUSS BRACING DIA.

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

D



PENETRATIONS

SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

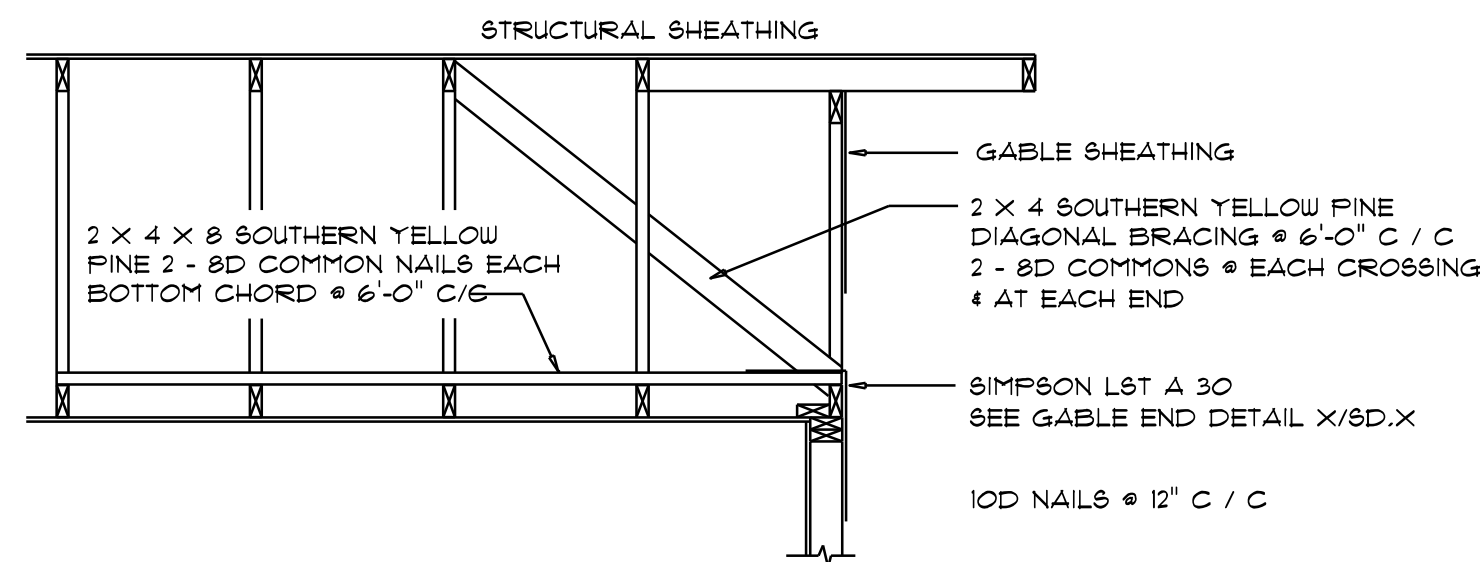
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROFLEX MULTIFLEX SEALANT"
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

A

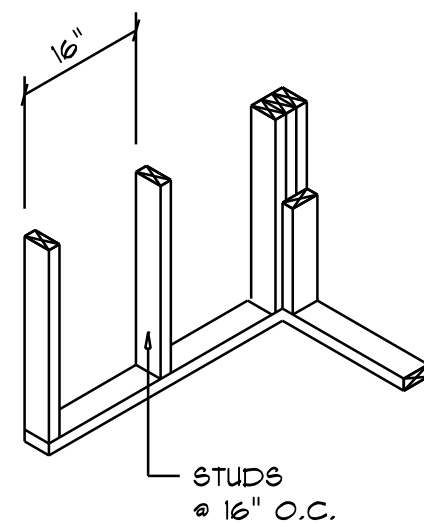


END WALL BRACING FOR CEILING DIAPHRAGM

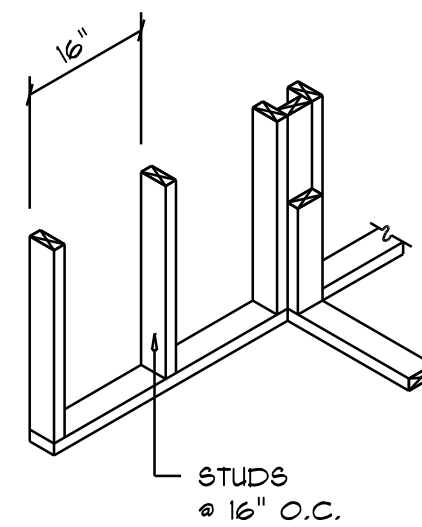
NTS (ALTERNATIVE TO BALLOON FRAMING)

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

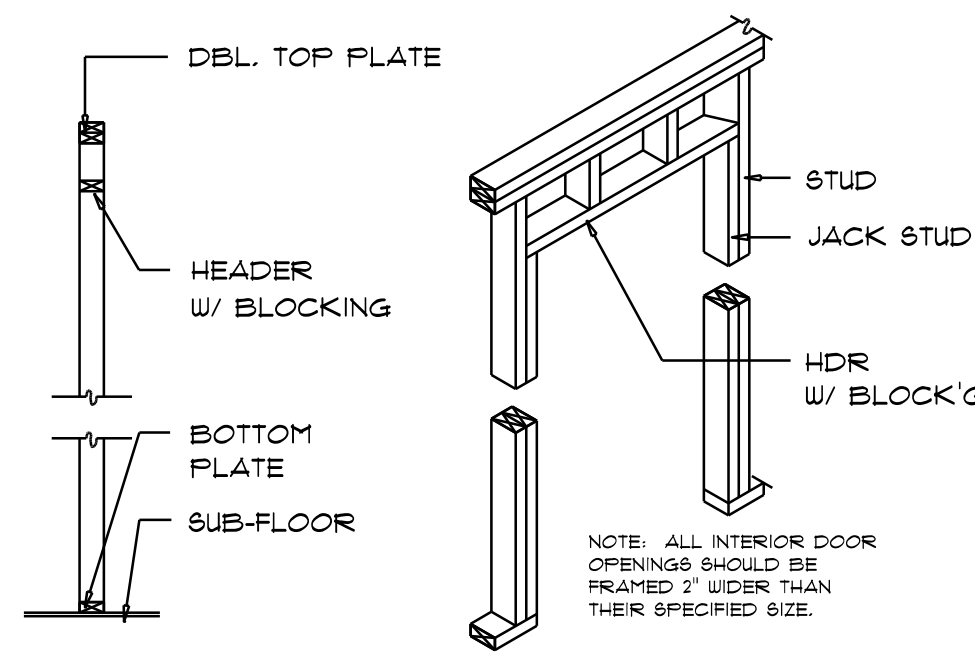
H



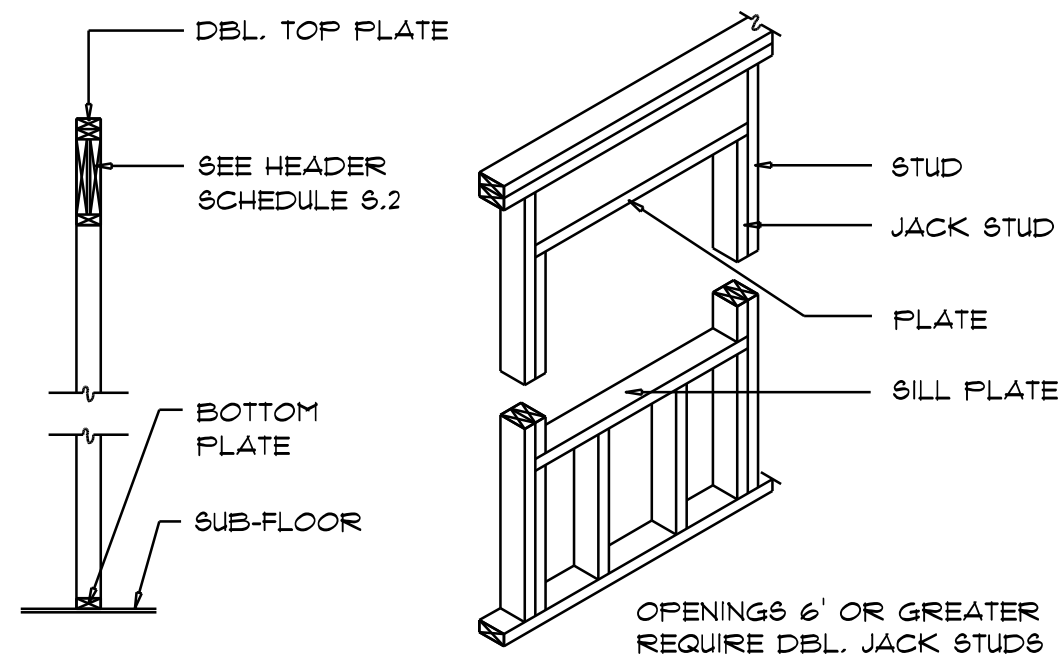
WALL CORNER



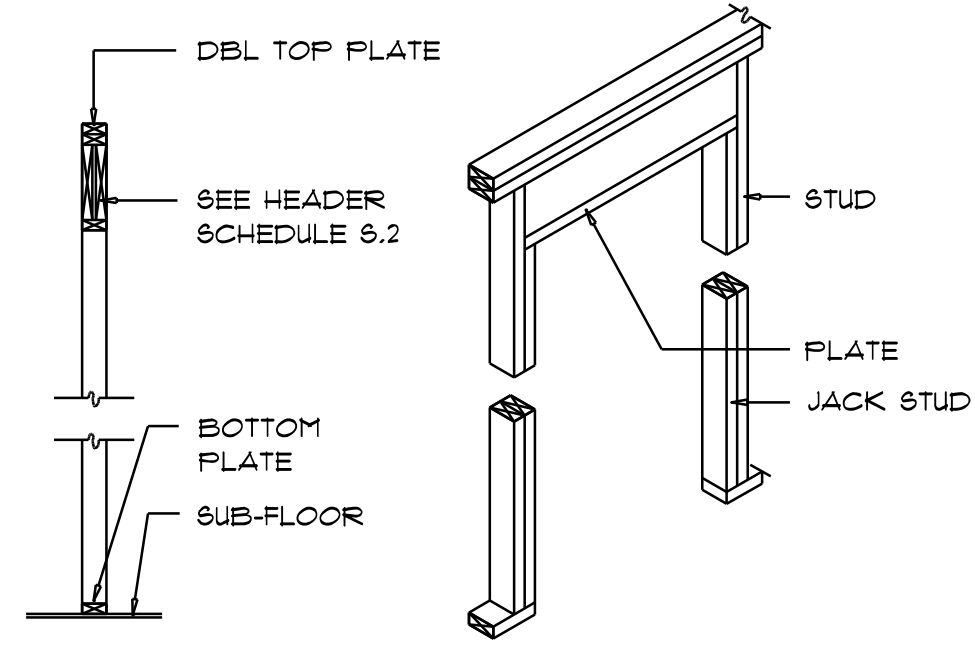
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER



BEARING WALL HEADER

Wall Framing/Header DETAILS

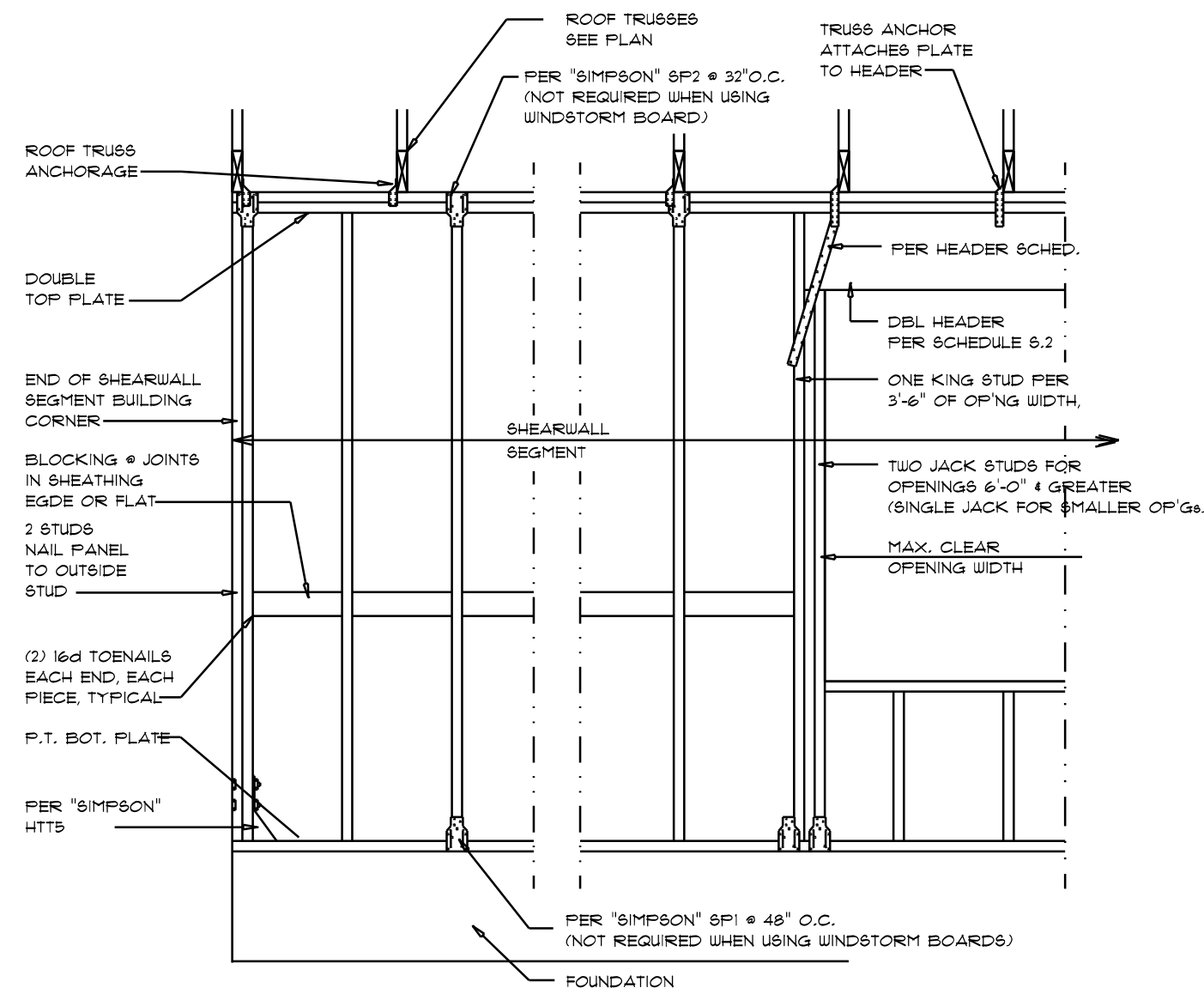
SCALE: NONE

F

Shear Wall DETAILS

SCALE: NONE

E



SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
- THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/16" WINDSTORM BD INCLUDING AREAS ABOVE AND BELOW OPENINGS
- ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
- NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
- TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3