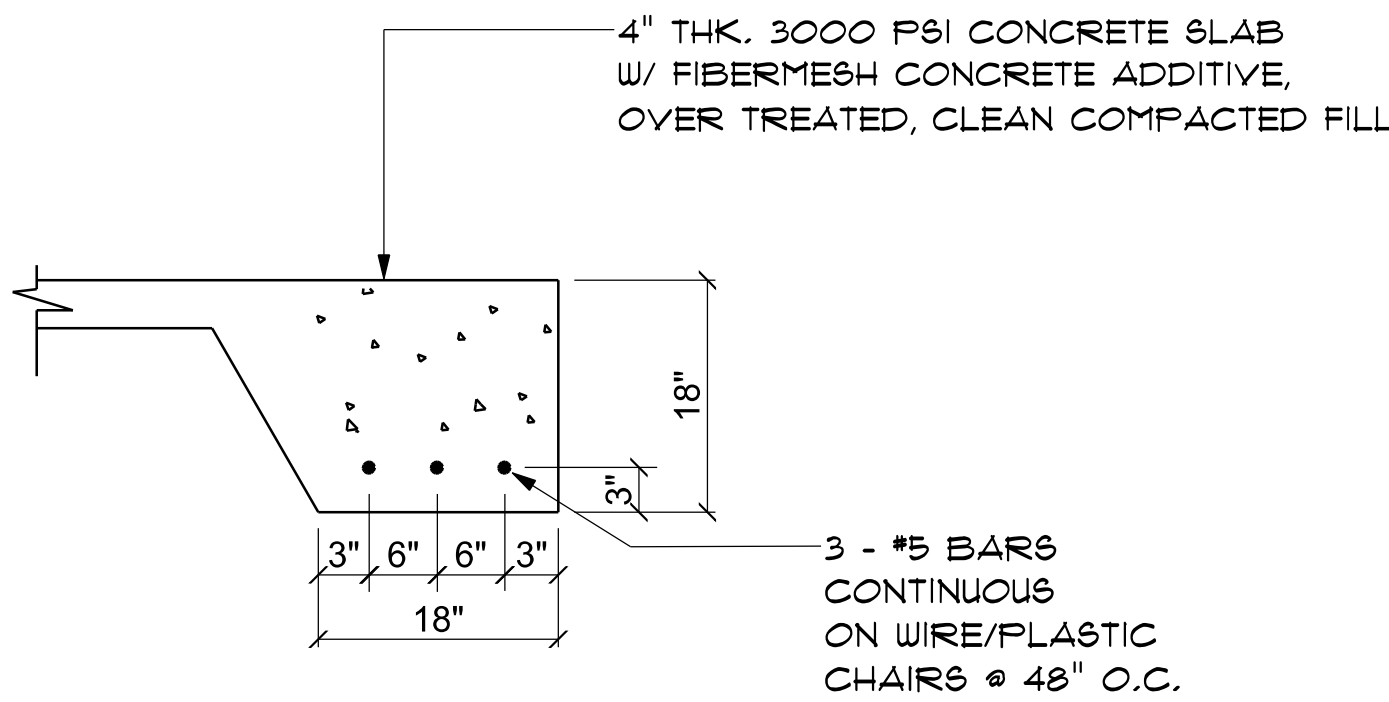


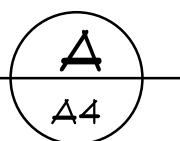
CONCRETE / MASONRY / METALS GENERAL NOTES:

- 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 A105 - 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.



SECTION

SCALE: not to scale

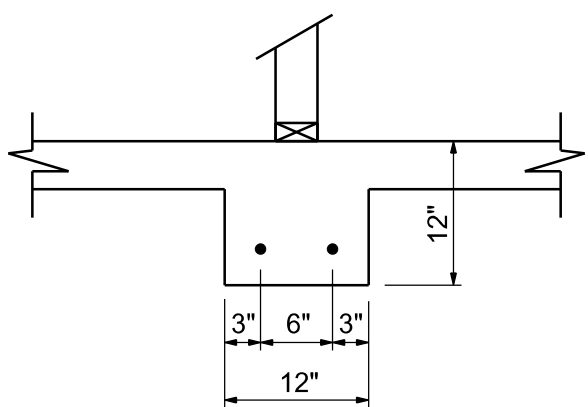


NOTE:  
THE DESIGN WIND SPEED FOR THIS  
PROJECT IS 130 MPH PER FBC 1603  
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:  
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -  
EA. LIFT SHALL BE COMPACTED TO 98% DRY  
COMPACTION PER THE "MODIFIED PROCTOR"  
METHOD.

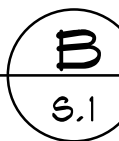
NOTE:  
PROVIDE A MINIMUM OF TWO OPENINGS HAVING A TOTAL NET AREA  
OF NOT LESS THAN ONE SQUARE INCH FOR EVERY SQUARE FOOT OF  
ENCLOSED AREA SUBJECT TO FLOODING

NOTE:  
THE PROJECT IS DESIGNED IN ACCORDANCE WITH ASCE 24

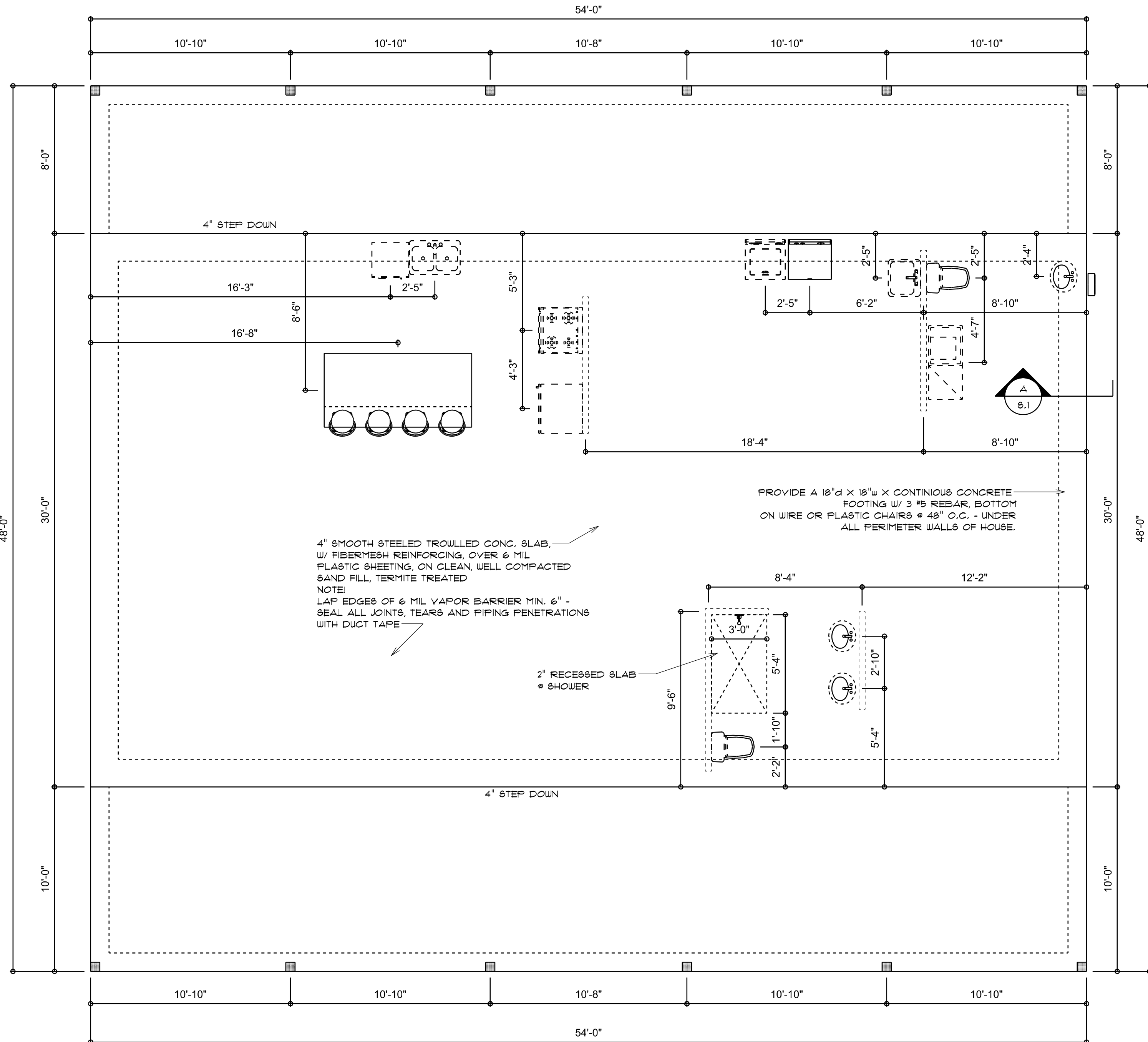


INTERIOR  
BEARING FT'G

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



NOTE:  
VERIFY INTERIOR BEARING WALLS WITH  
TRUSS MANUFACTURE DRAWINGS! USE DETAIL  
"B" THIS PAGE AT ALL INTERIOR BEARING LOC.



FOUNDATION PLAN

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

REVISIONS

Aug. 23rd, 2023

CUSTOM HOME FOR:  
**Wehinger Residence**  
COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
1750 N.W. Byron Rd.  
Lake City, FL 32095  
(386) 755-9021  
N.C.A.R.B. Certified

SHEET NUMBER

**S.1**

OF 4 SHEETS

N. P. GEISLER

Digitally signed by: N. P. GEISLER  
DN: CN = N. P. GEISLER email =  
npgeisler47@gmail.com C = US O =  
AR0007005 ON = N. P. GEISLER  
Date: 2023.09.23 20:54:34 -0500

AR0007005

## STANDARD HEADER SCHEDULE

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

DOUBLE 2x8 No.12 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 MSTA18 TOP AND 1 - SIMPSON 6PH4R 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.12 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 MSTA24 TOP AND 2 - SIMPSON 6PH4R 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.12 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 MSTA18 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

### GENERAL TRUSS NOTES:

- TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
- TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

## 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 PLAN NOTES

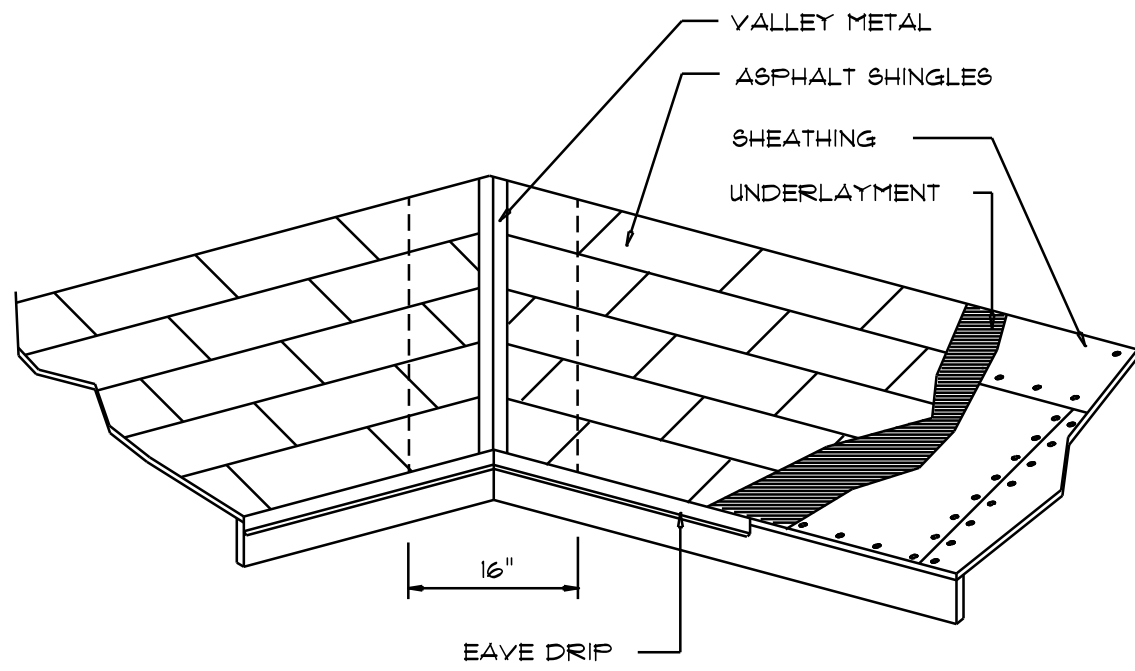
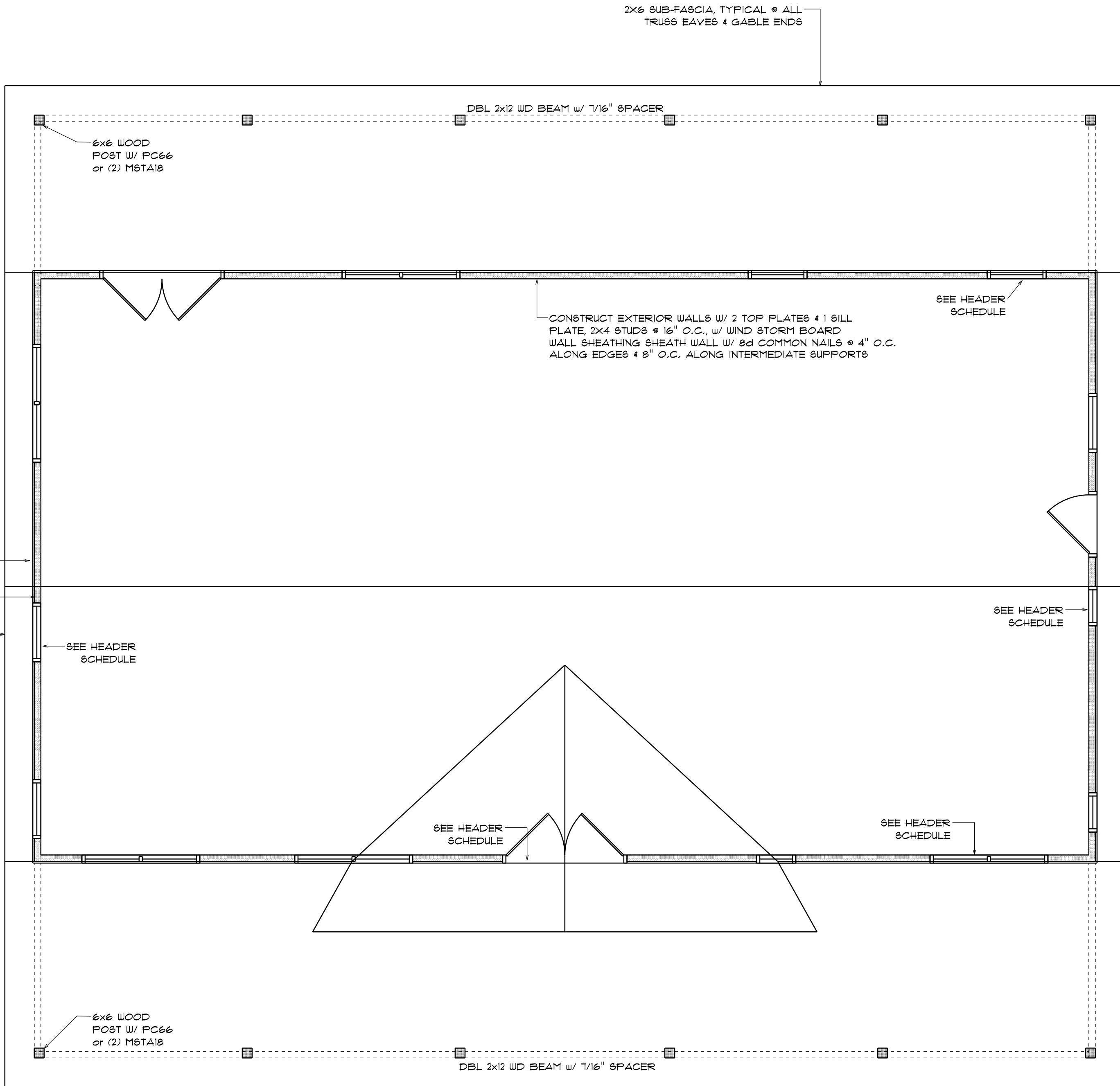
- R-1 SEE ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANG 18" (12" on gables) UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

**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" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST22 EA. END - TYP., T.O.

## ROOF FRAMING PLAN

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



VALLEY FLASHING

## ROOFING METALS for FLASHING/ROOFING

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0178	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

## Roofing/Flashing DETS.

SCALE: NONE

A

### REVISIONS

Aug. 23rd, 2023

CUSTOM HOME FOR:  
**Wehinger Residence**  
COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
1758 N.W. Brown Rd.  
Lake City, FL 32095  
(386) 755-9021  
N.C.A.R.B. Certified

### SHEET NUMBER

**S.2**

OF 4 SHEETS

N. P. GEISLER  
R

Digitally signed by N. P. GEISLER  
DN: CN = N. P. GEISLER, email =  
ngeisler47@gmail.com, c = US, o =  
AR0007005 ON = N.P. GEISLER  
Date: 2023.09.23 20:54:12 -0500

AR0007005

## General Roofing NOTES:

DECK REQUIREMENTS:  
METAL PANELS MUST BE FASTENED TO MIN. 1/2" CDX PLYWOOD.

SLOPE:  
METAL PANELS SHALL BE USED ONLY ON ROOF SLOPES OF 3/12 OR GREATER TO INSURE PROPER DRAINAGE.

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

METAL PANEL:  
METAL PANELS SHALL BE  
MIN. 26 GAUGE AND COMPLY WITH ASTM A-792 AND D 7-98  
EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.

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/ MFR'S INSTALLATION INSTRUCTIONS.

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

UNDERLAYMENT APPLICATION:  
FOR ROOF SLOPES FROM 3/12 TO 4/12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

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

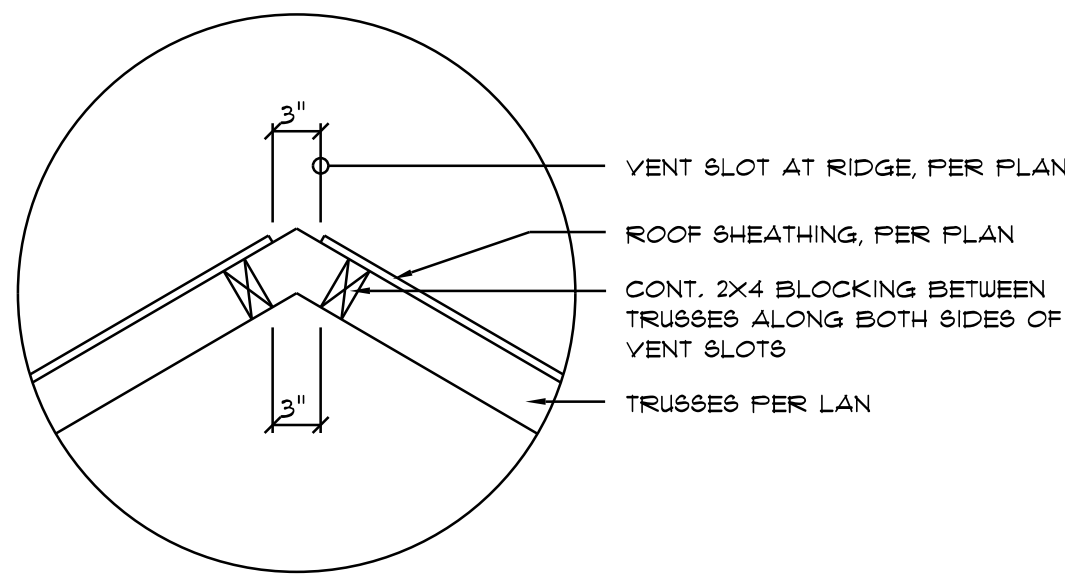
- STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4/12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:  
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFR'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 71 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

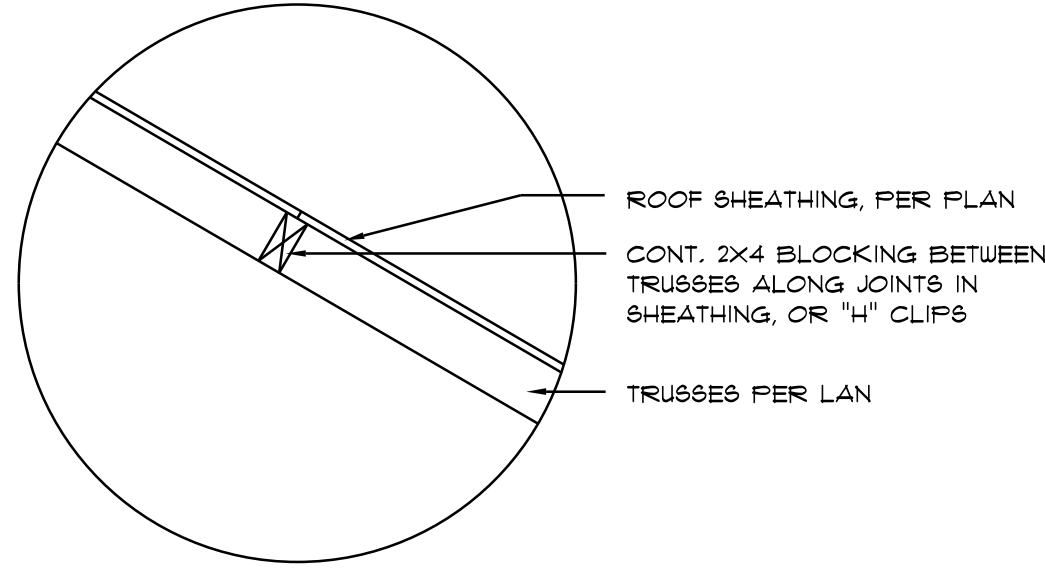
VALLEYS:  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.

- 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 1507.3.9.2.
- OPEN VALLEYS: VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
- CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
  - BOTH TYPES 1 AND 2 ABOVE, COMBINED.
  - ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
  - SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE 4 COMPLYING WITH ASTM D 1910.



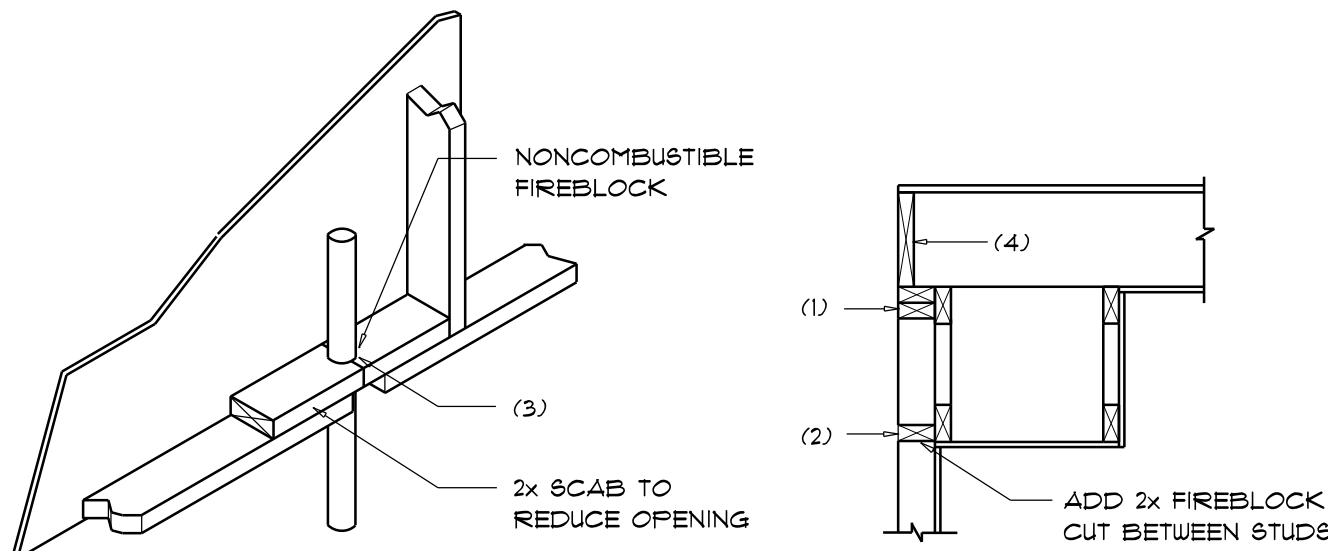
### Vent DETAIL

SCALE: NONE



### Joint DETAIL

SCALE: NONE



### PENETRATIONS

### SOFFIT/DROPPED CLG.

### FIREBLOCKING NOTES:

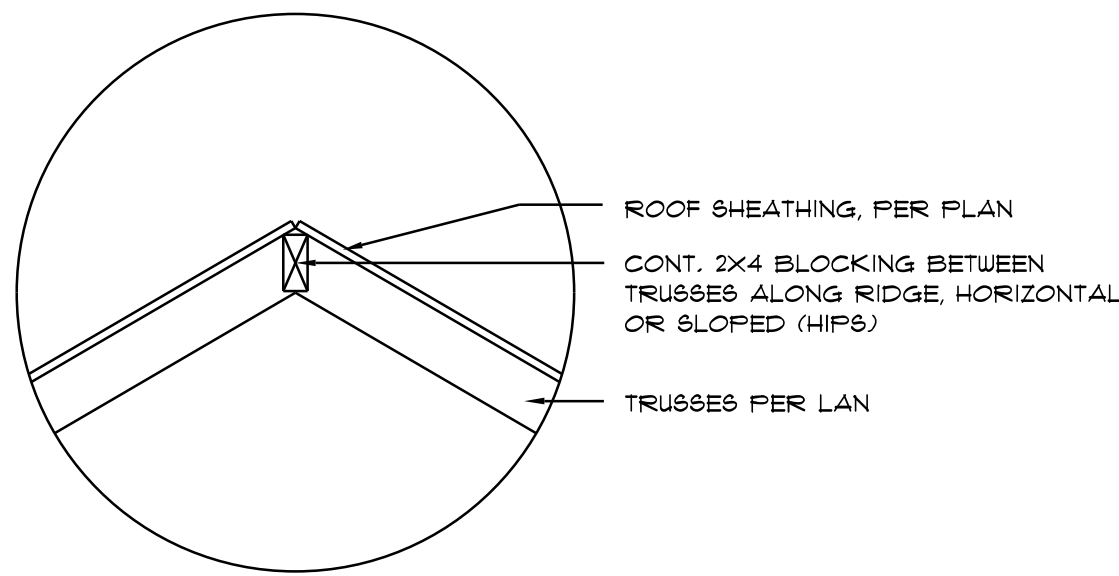
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

- 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 CEILING, COVE CEILING, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL 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

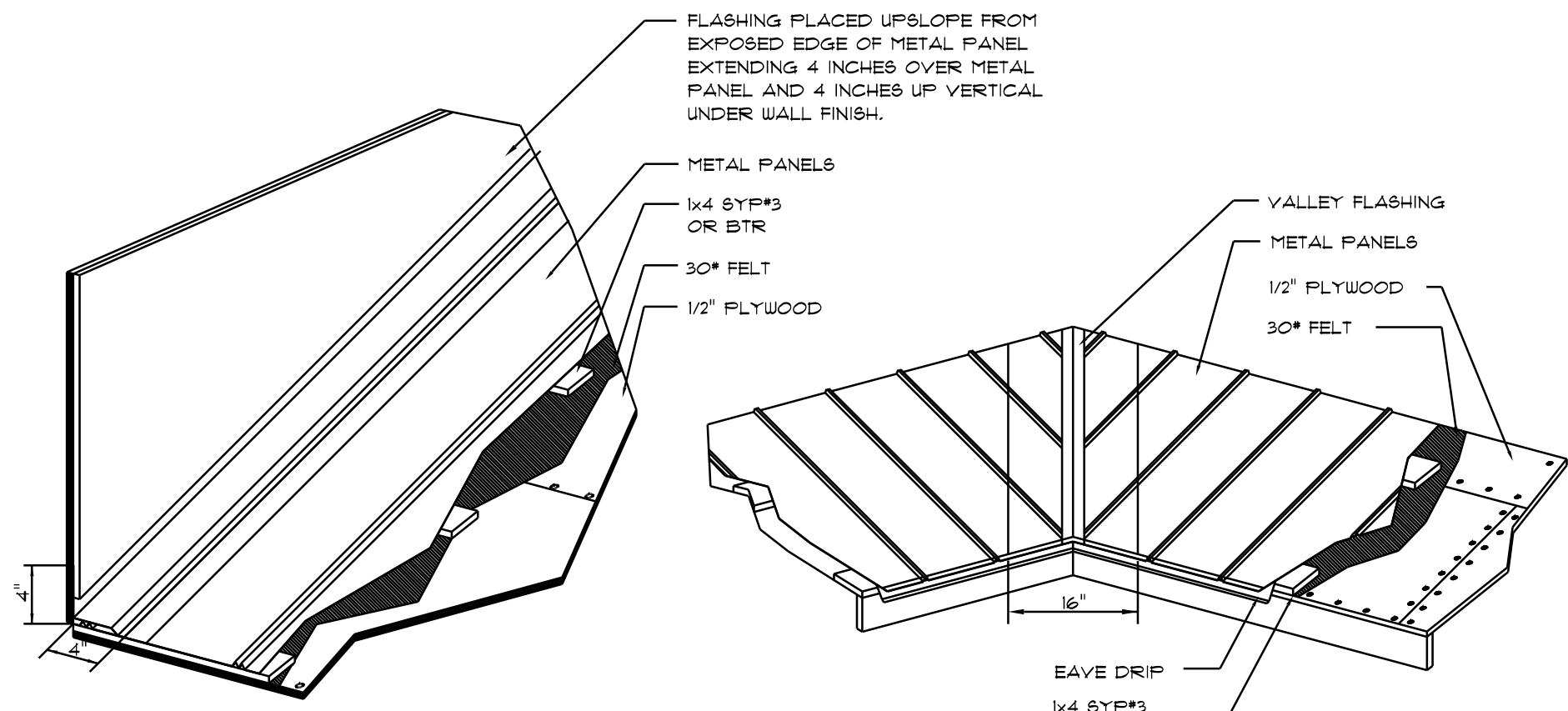
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### Ridge DETAIL

SCALE: NONE

A3



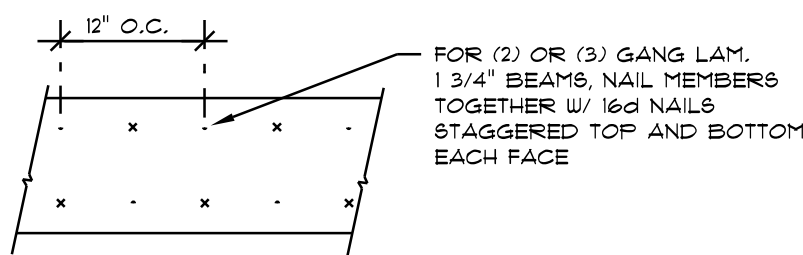
### SIDE WALL FLASHING

### VALLEY FLASHING

## METAL ROOFING. DET.

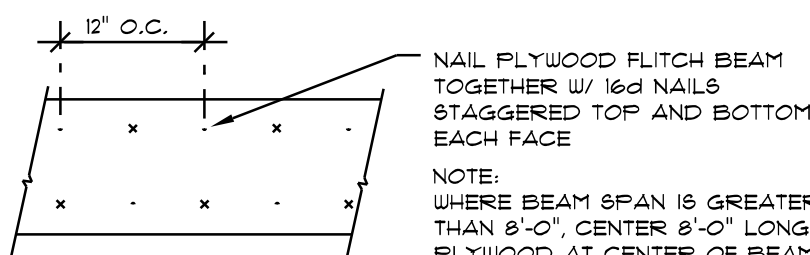
SCALE: NONE

E



### MULTIPLE GANG LAM. DETAIL

NOT TO SCALE



### PLYWOOD FLITCH BEAM DETAIL

NOT TO SCALE

## B/U Beam DETAILS

SCALE: NONE

B

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"

		45°		27°		15°	
		AREA	WIND	AREA	WIND	AREA	WIND
ROOF T TO T	1	10	12.0 / -19.9	20	14.9 / -23.1	30	17.5 / -27.8
	2	10	11.4 / -19.4	20	13.6 / -23.0	30	16.0 / -27.0
	3	10	10.0 / -18.6	20	11.9 / -22.2	30	13.9 / -26.0
WALL	4	10	12.5 / -34.1	20	14.9 / -41.3	30	17.5 / -48.4
	5	10	11.4 / -31.9	20	13.6 / -38.0	30	16.0 / -44.6
	6	10	10.0 / -28.2	20	11.9 / -33.6	30	13.9 / -39.4
WALL	7	10	12.5 / -51.3	20	14.9 / -61.0	30	17.5 / -71.6
	8	10	11.4 / -47.9	20	13.6 / -57.1	30	16.0 / -67.0
	9	10	10.0 / -43.5	20	11.9 / -51.8	30	13.9 / -60.8
WALL	10	10	21.8 / -32.6	20	25.9 / -34.7	30	30.4 / -33.0
	11	10	20.8 / -22.6	20	24.7 / -26.9	30	29.0 / -31.6
	12	10	19.9 / -21.3	20	23.2 / -25.4	30	27.2 / -29.8
WALL	13	10	21.8 / -29.1	20	25.9 / -34.7	30	30.4 / -40.7
	14	10	20.8 / -21.2	20	24.7 / -32.4	30	29.0 / -38.0
	15	10	19.9 / -24.6	20	23.2 / -23.3	30	27.2 / -34.3

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BUILDING HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.41
25	1.00	1.29	1.59
30	1.00	1.39	1.61
30	1.00	1.40	1.66

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof:	Gable Construction, Wood Trusses @ 24" O.C.
Walls:	2x4 Wood Studs @ 16" O.C.
Floor:	4" Thk. Concrete Slab w/ Fiberglass Concrete Additive
Foundation:	Continuous Footer/Stem Wall
ROOF DECKING	
Material:	1/2" CDX Plywood or 7/16" O.S.B.
Sheet Size:	48"x96" Sheets Perpendicular to Roof Framing
Fasteners:	.113 RING SHANKED Nails per schedule on sheet 6.4
SHEARWALLS	
Material:	1/2" CDX Plywood or 7/16" O.S.B.
Sheet Size:	48"x96" Sheets Placed Vertical
Fasteners:	.113 COMMON Nails @ 4" O.C. Edges @ 8" O.C. Interior
Diaphragm:	Double Top Plate (6"x12"x12") w/16d Nails @ 12" O.C.
Wall Studs:	2x4 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 - Ed @ 4" O.C. Top & Bot.
Anchor Bolts:	1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
Corner Hold-down Device:	(1) HD5a @ each corner
Porch Column Base Connector:	Simpson ABU66 @ each column
Porch Column to Beam Connector:	Simpson MBTA20 (2 ea. side) or Simpson EPC66 or 2 - 5/8" thru bolts
FOOTINGS AND FOUNDATIONS	
Footings:	18" x 18" x Cont. w/ 3 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.
Int. Footings:	12" x 12" x Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.

### STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE, SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

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

BASED ON ANSI/ASCE 7-16, 2020 FBC 1609-A WIND VELOCITY: V<sub>ULT</sub> = 130 MPH  
V<sub>50</sub> = 101 MPH

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

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

- WIND NET UPLIFT: ARE AS INDICATED ON PLANS

### TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

- 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 1403.4.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
- 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
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
- 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
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
- AN EXTERIOR PERMANENT 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
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A 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 CONSUMER SERVICES". FBC 1816.1.7
- 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
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

REVISIONS

Aug. 23rd, 2023

CUSTOM HOME FOR:  
**Wehinger Residence**

COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
1758 N.W. Brown Rd.,  
Lake City, FL 32095  
(386) 755-9021  
N.C.A.R.B. Certified

SHEET NUMBER

**S.3**

OF 4 SHEETS

**N. P. GEISLER**

Digitally signed by N. P. GEISLER  
DN: cn=N. P. GEISLER email =  
ngeisler17@gmail.com c = US o =  
ngeisler17@gmail.com ou = N.P. GEISLER  
Date: 2023.08.25 20:52:11 -0500

AR0007005

REVISIONS	
Aug. 23rd. 2023	

CUSTOM HOME FOR:

**Wehinger Residence**

COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**

1758 N.W. Brydon Rd.  
Lake City, FL 32095  
(386) 755-9021

N.C.A.R.B. Certified

SHEET NUMBER

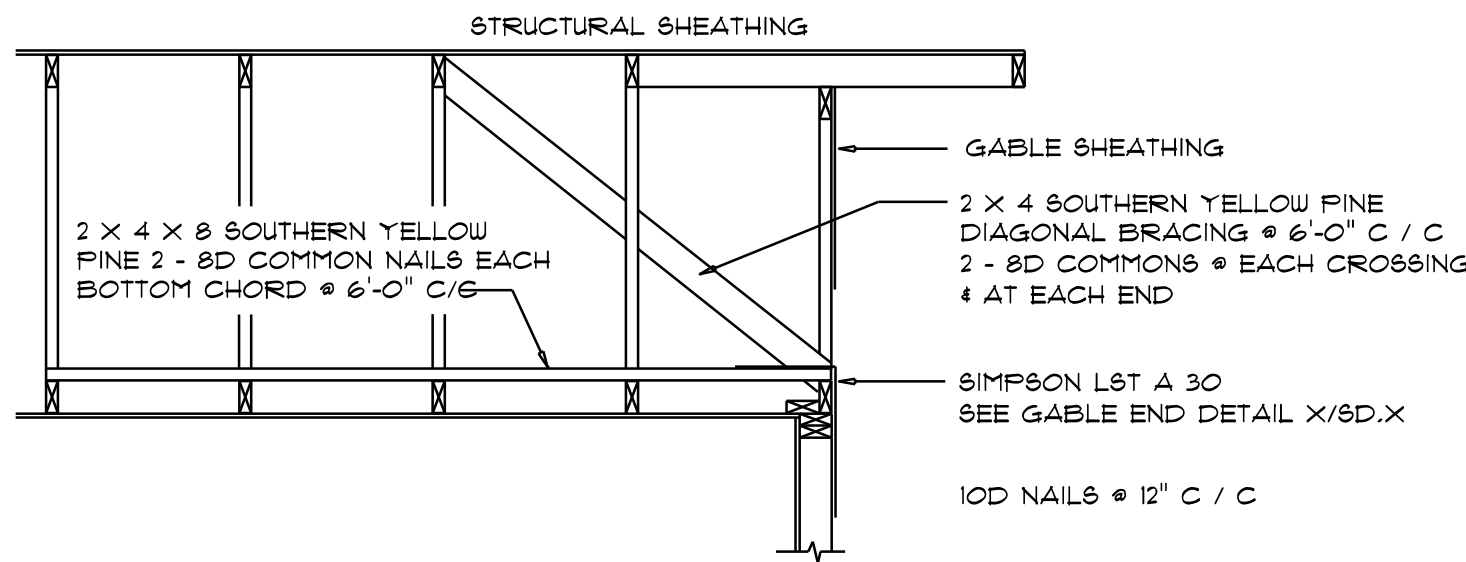
**S.4**

OF 4 SHEETS

**N. P. GEISLER**

Digitally signed by: N. P. GEISLER  
DN: CN = N. P. GEISLER, email = ngeisler47@gmail.com, c = US, o = AR0007005 LLC, ou = N. P. GEISLER  
Date: 2023.09.25 20:51:49 -0500

AR0007005



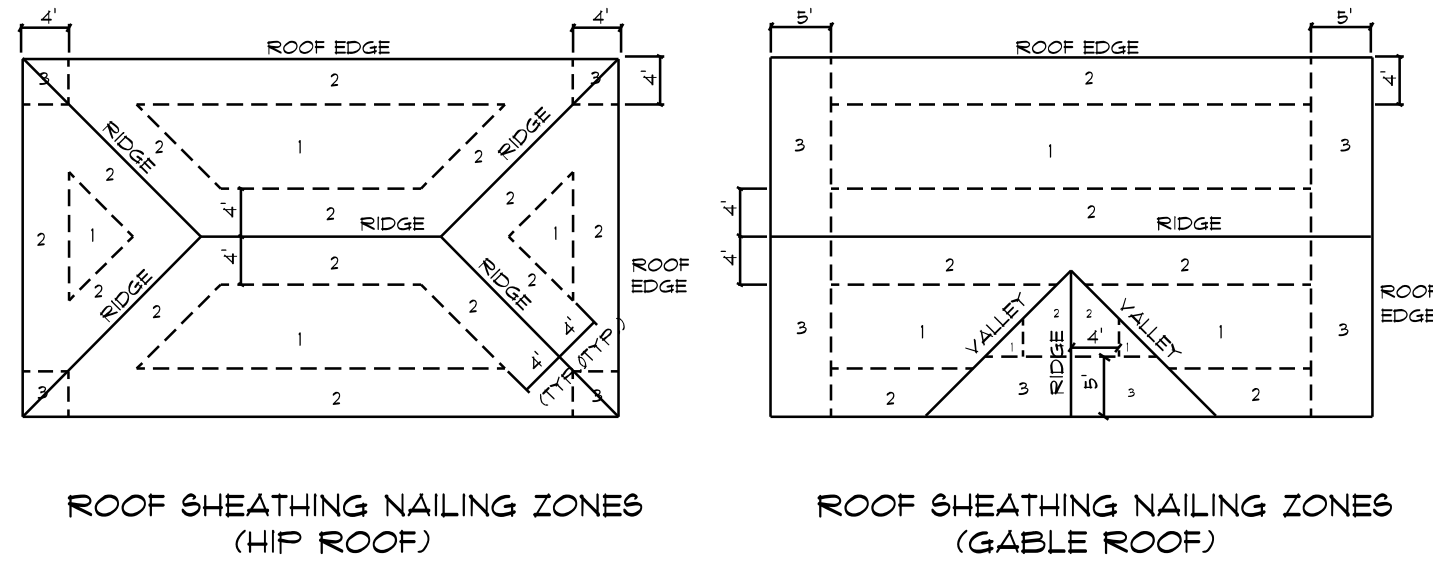
**END WALL BRACING FOR CEILING DIAPHRAGM**

NTS (ALTERNATIVE TO BALLOON FRAMING)

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

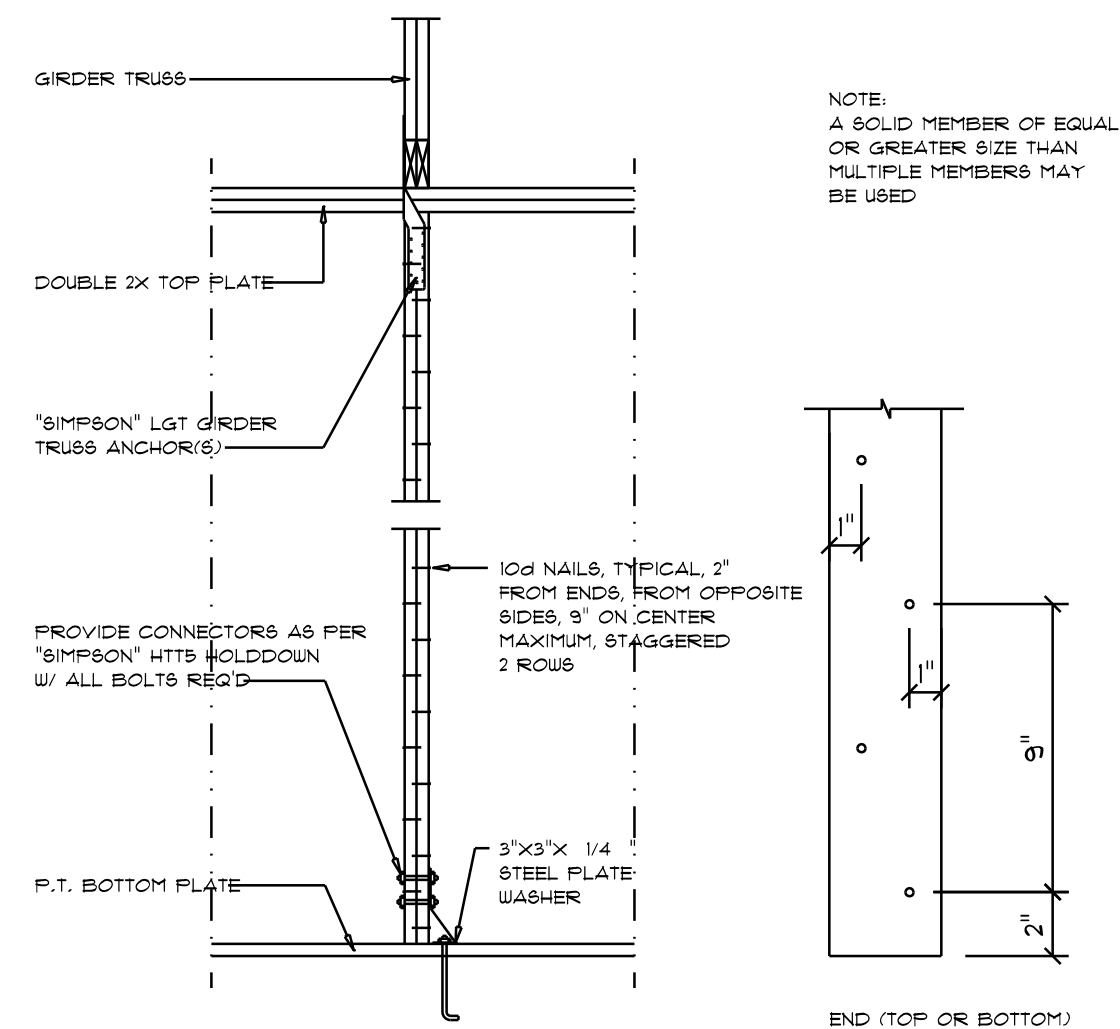
**\*\* NOTE! \*\***  
BRACING SHOWN IN TRUSS ENGINEERING SUPERCEED BRACING DETAILS ON THIS PAGE

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



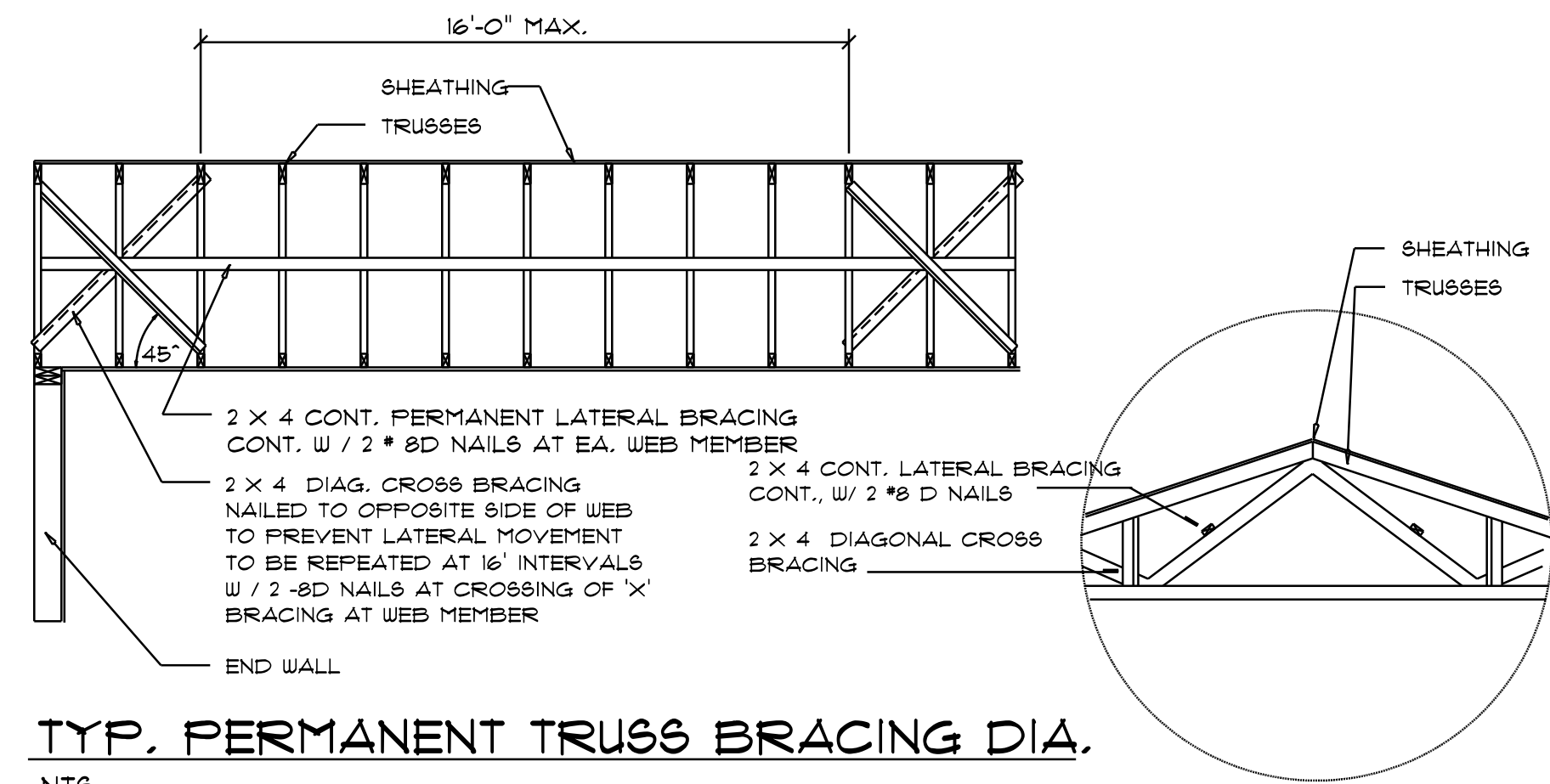
**Roof Nail Pattern DET.**

SCALE: NONE



**Girder Truss Column DET.**

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



**TYP. PERMANENT TRUSS BRACING DIA.**

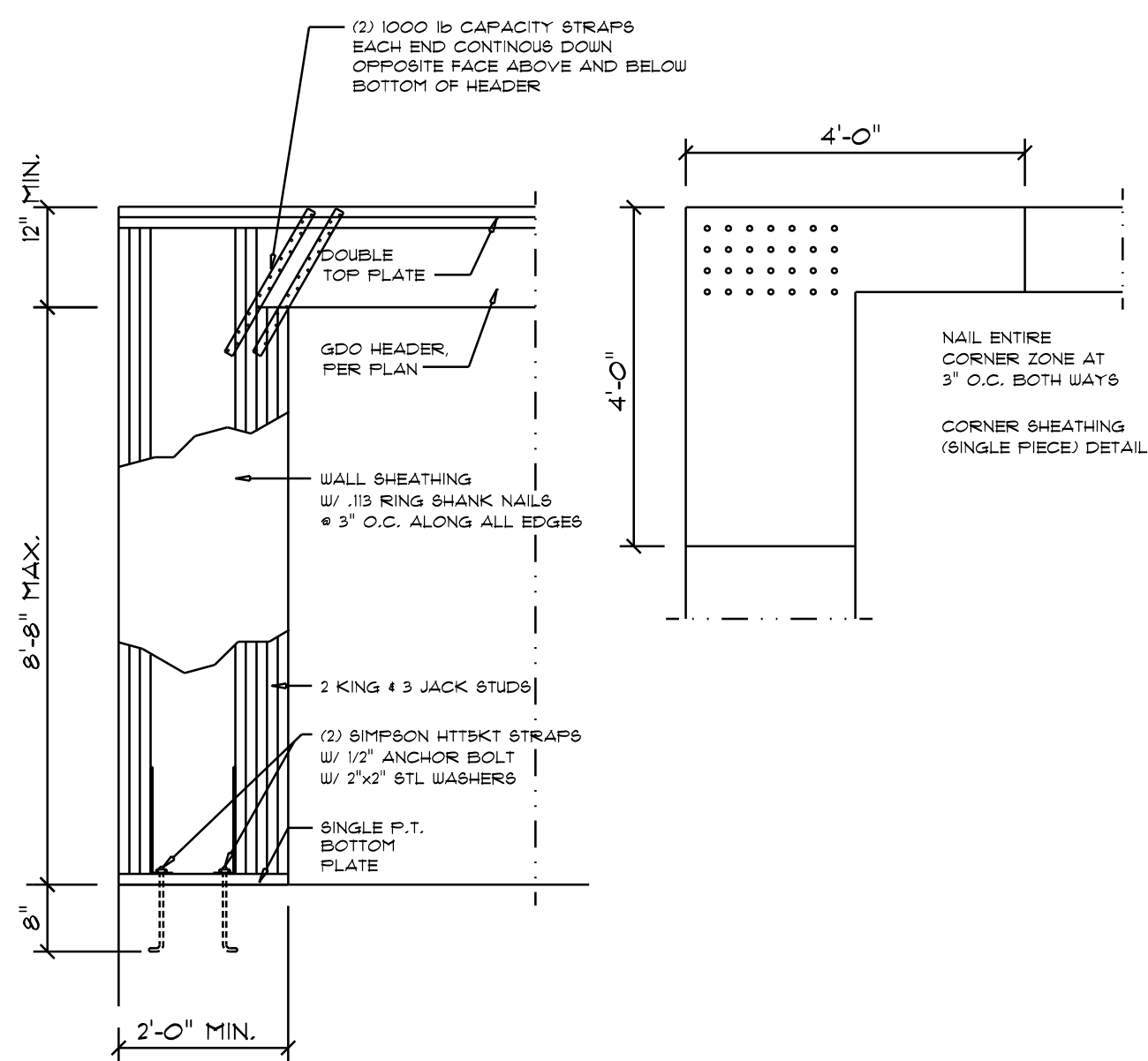
NTS

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

**Truss Bracing DETAILS**

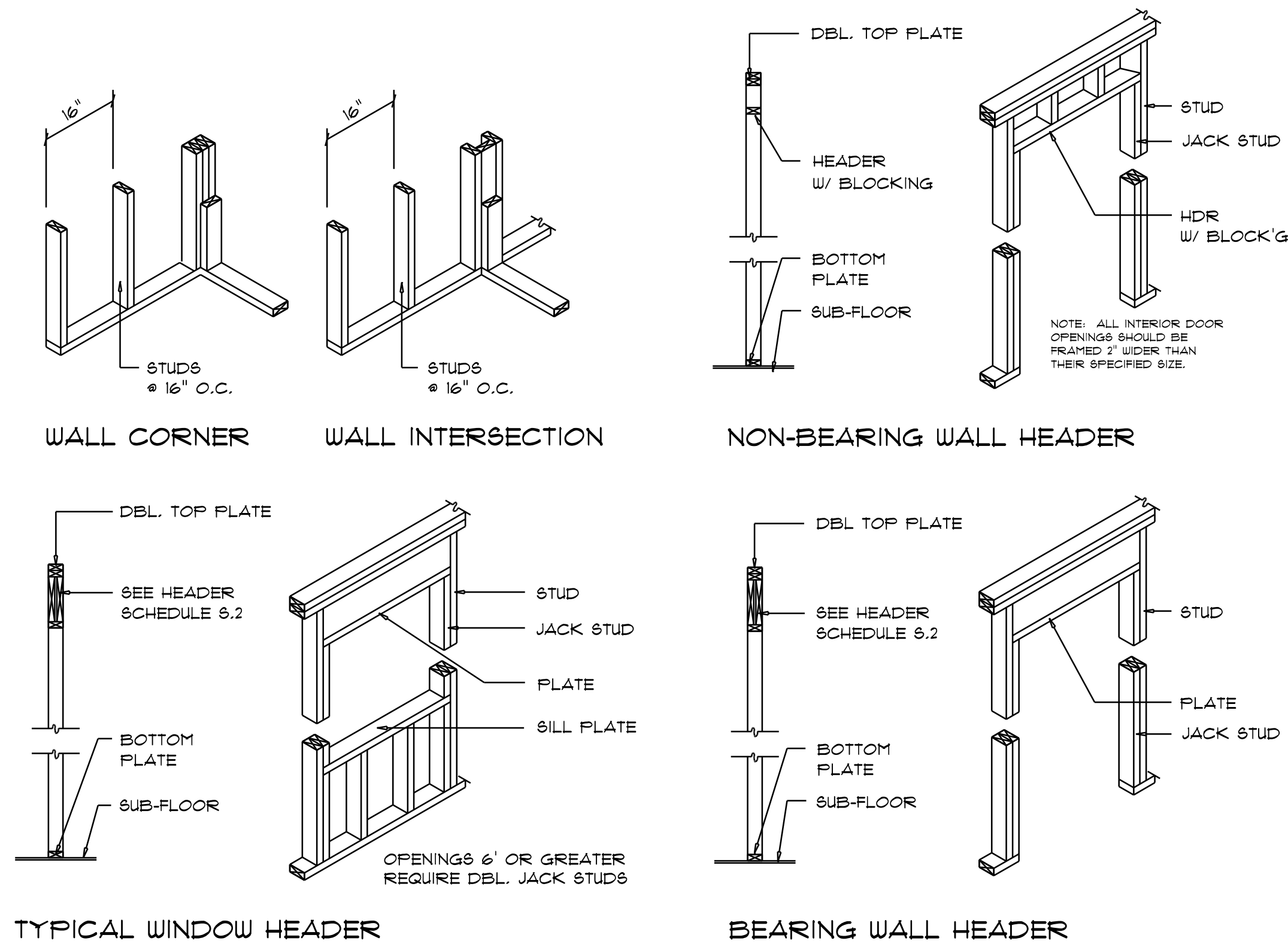
SCALE: AS NOTED

**\*\* NOTE! \*\***  
BRACING SHOWN IN TRUSS ENGINEERING SUPERCEED BRACING DETAILS ON THIS PAGE



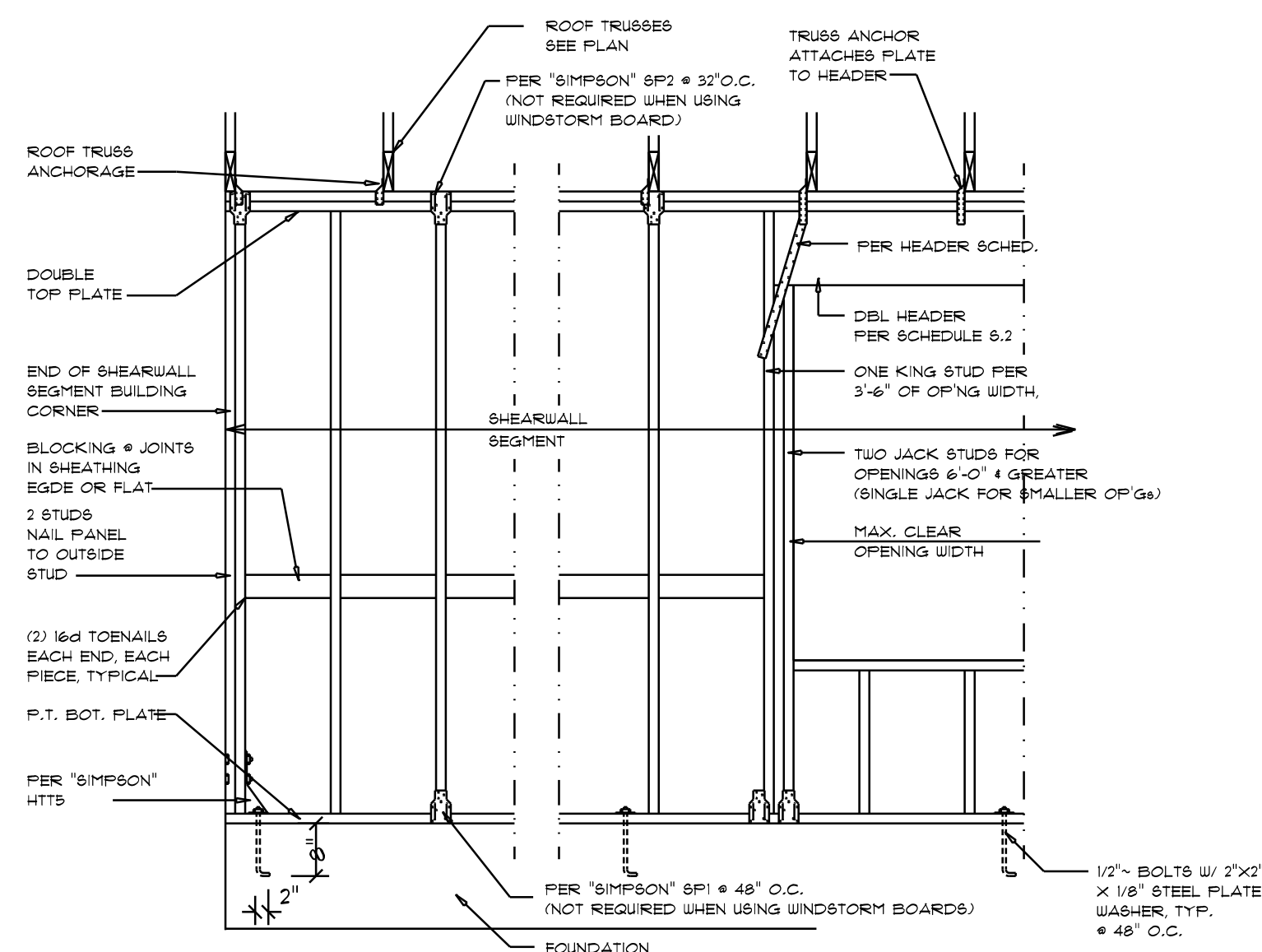
**Garage End Wall DETAILS**

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



**Wall Framing/Header DETAILS**

SCALE: NONE



**Shear Wall DETAILS**

SCALE: NONE

- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
  - THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/8" 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