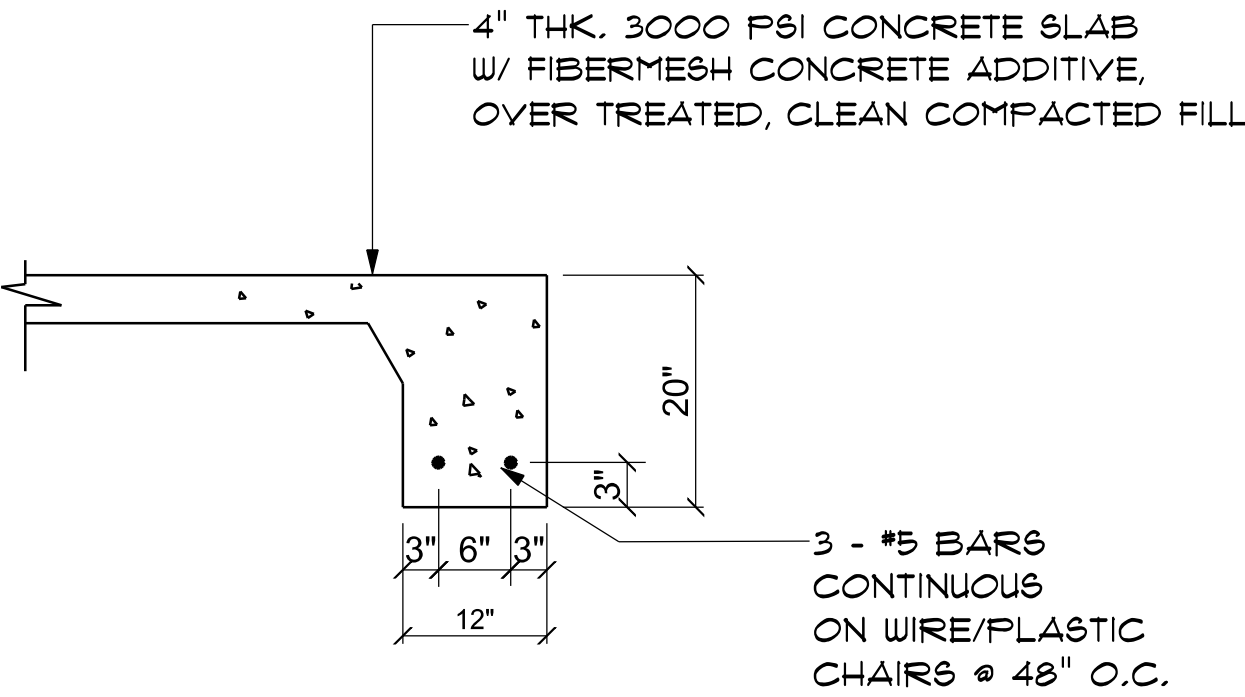


CONCRETE / MASONRY /
METALS GENERAL NOTES:

- 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 FT'GS, 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

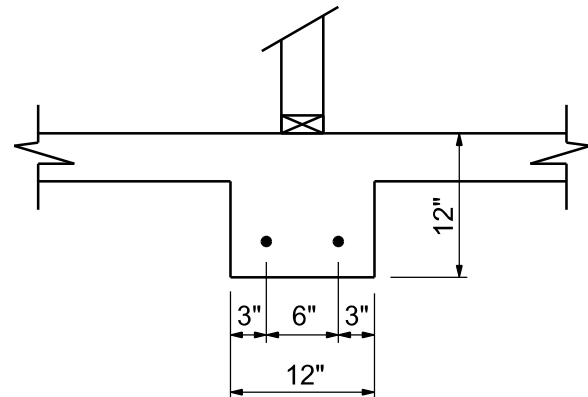
A
A4

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

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -
EACH 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

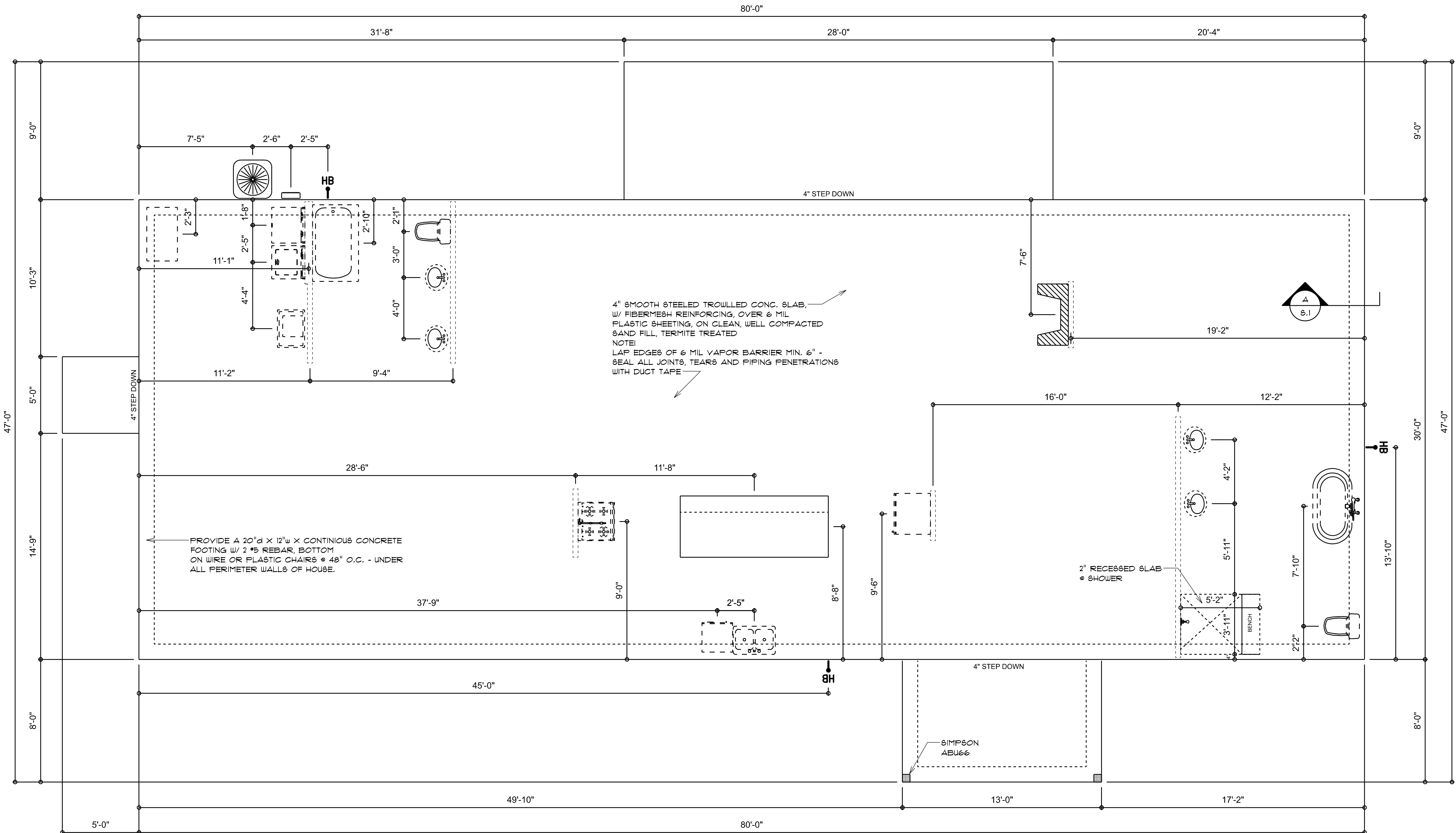


INTERIOR
BEARING FT'G

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

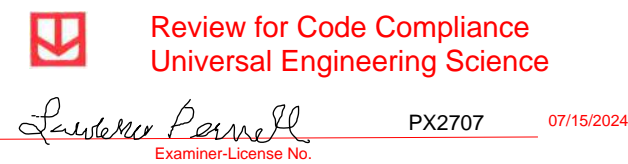
B
S.1

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"



PX2707 07/15/2024

REVISIONS

June 18th, 2024

CUSTOM HOME FOR:
DEEN RESIDENCE
COLUMBIA COUNTY, FL



NICHOLAS
GEISLER
ARCHITECT

1754 NW Brown Rd.
Lake City, FL 32055
(904) 755-9021
NCA #15 Certified

SHEET NUMBER

S.1

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 =
ARCHITECT OLL - AR0007005
Date: 2024.06.19 12:09:44 -05'00'

AR0007005

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 MSTA18 TOP AND 1 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 1 FULL HEIGHT STUDS EACH SIDE OF OPENING

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

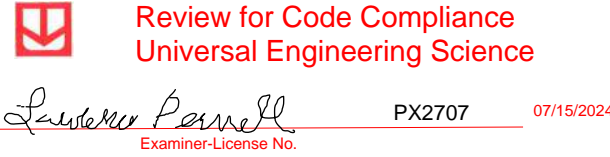
DOUBLE 2x12 No.2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA24 TOP AND 2 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 2 FULL HEIGHT STUDS EACH SIDE OF OPENING

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 MSTA18 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

16'-0" GARAGE DOOR OPENINGS

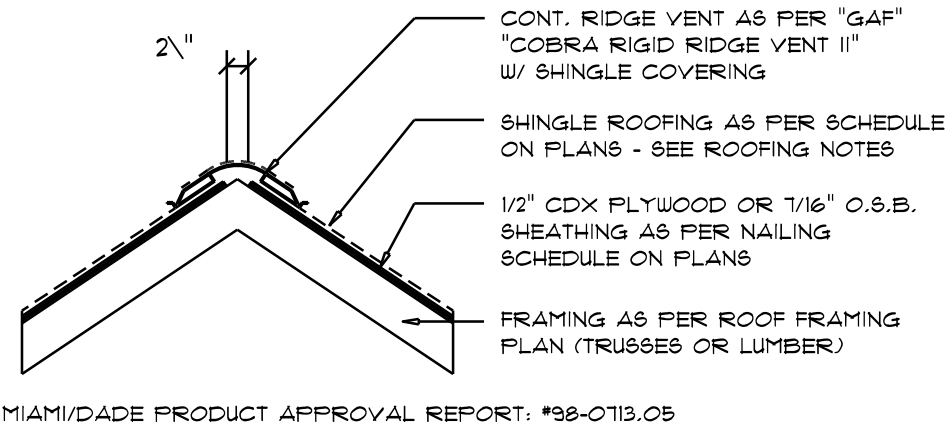
2 FLY 1 3/4" X 11 7/8" 2.0E MICROLAMM LVL HEADER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA18 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING



WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR & 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.

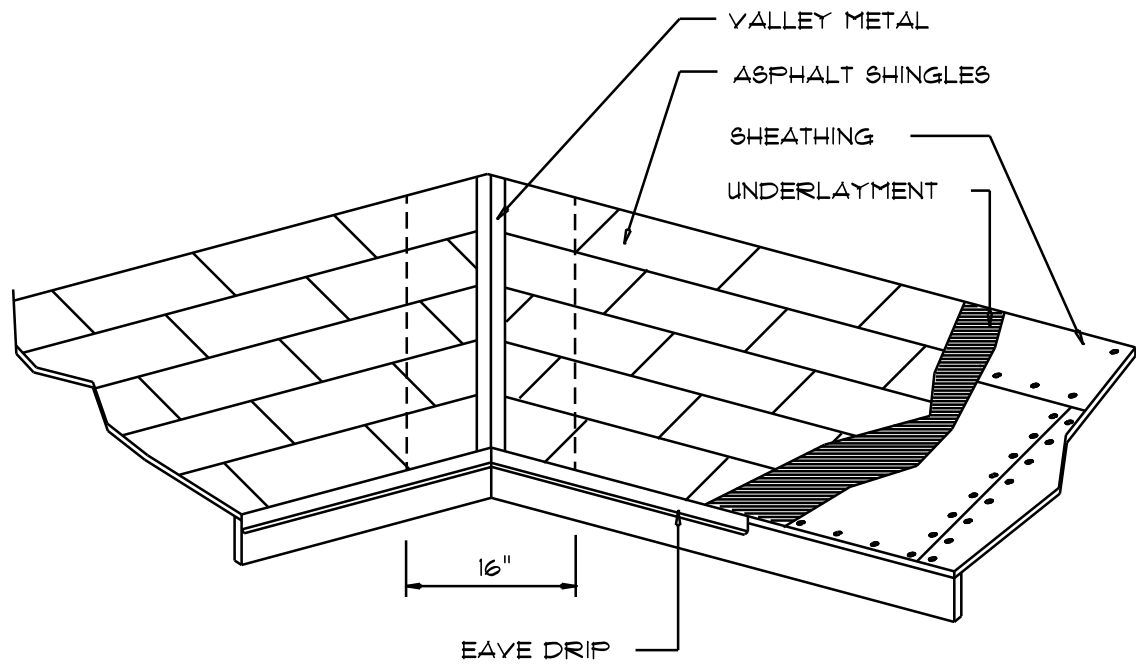
AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



Ridge Vent DETAIL

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

B



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 G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

A

ROOF FRAMING PLAN

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

NOTE!
ANCHOR GIRDER TRUSSES TO HEADER WITH 2 "SIMPSON" LGT2 (3 OR 4).
ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST22 EA. END - TYP., T.O.

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!
SHEATH ROOF W/ PLYWOOD OR OSB PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET S.4

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 150 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

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.

NOTE!
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

REVISIONS
June 18th, 2024

CUSTOM HOME FOR:
DEEN RESIDENCE
COLUMBIA COUNTY, FL

NICHOLAS PAUL GEISLER
ARCHITECT
1750 NW Brown Rd.
Lake City, FL 32055
(904) 755-9021

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 =
ARCHITECT N. P. GEISLER
Date: 2024.06.19 13:10:05 -0500

AR0007005

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof: Hip Construction, Wood Trusses @ 24" O.C. Walls: 2x4 Wood Studs @ 16" O.C. Floor: 4" Thk. Concrete Slab w/ Fibermesh Concrete Additive Foundation: Continuous Footer/Beam Wall	
ROOF DECKING	
Material: 1/2" CDX Plywood or 1/16" O.S.B. Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing Fasteners: 8d Ring Shank per schedule on sheet 8.4	
SHEARWALLS	
Material: 1/16" O.S.B. WINDSTORM BOARD Sheet Size: 48"x96" Sheets Placed Vertical Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Dragstrut: Double Top Plate (S.T.P.) 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 - 8d @ 4" O.C. Top & Bot. Anchor Bolts: 1/2" ASOT Bolts @ 48" O.C. - 1st Bolt 12"x16" from corner Corner Hold-down Device: (1) HTTB @ each corner Porch Column Base Connector: Simpson ABU66 @ each column Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column	
FOOTINGS AND FOUNDATIONS	
Footings: 20" x 12" x CONT., CONCRETE FOOTING w/ 2 #5 REBAR. Int. Footings: 12"x 12" x Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 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:
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 1016.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1016.1.2

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 1016.1.3

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1016.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1016.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1016.1.6

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 1016.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1016.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT 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 CONSUMER SERVICES". FBC 1016.1.7

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

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFR/MODEL	CAP.
TRUSSES TO WALL:	SIMPSON H2.5a or SDUC15600	600*
GIRDER TRUSSES TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1185*
HEADER TO KING STUD(S):	SIMPSON ST22	1310*
PLATE TO STUD:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
STUD TO BILL:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
PORCH BEAM TO POST:	SIMPSON PC66/EP66	1700*
PORCH POST TO FND.:	SIMPSON ABU66	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 #95-0818.15

NOTE:

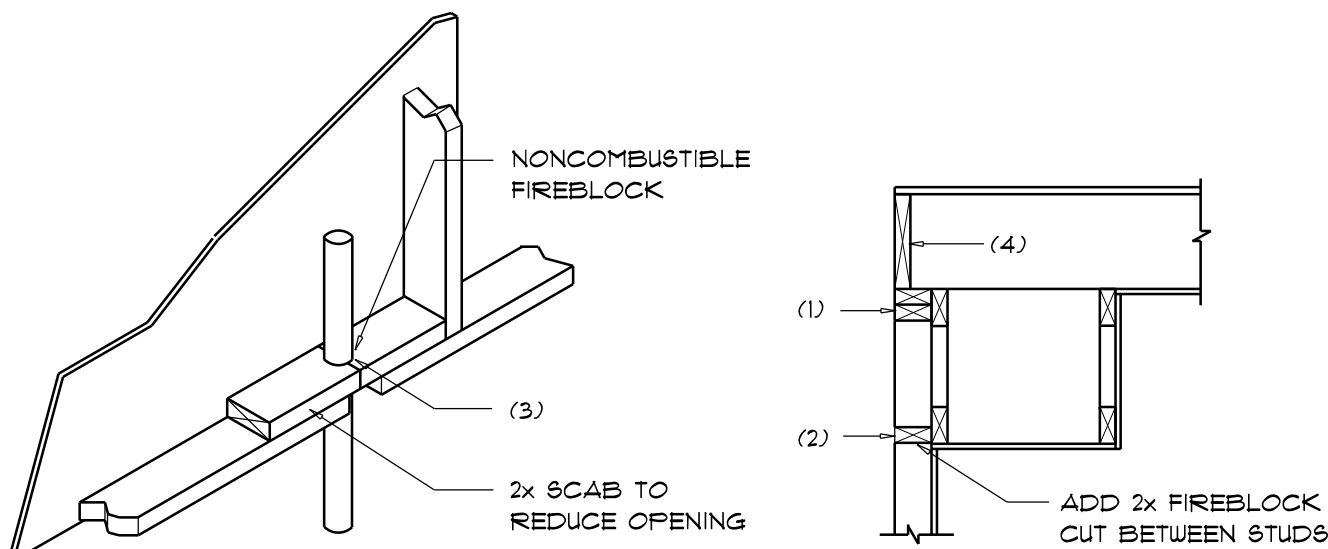
"SIMPSON" PRODUCT APPROVALS:

MIAMI/DADE COUNTY REPORT #91-0107.05, #36-1126.11, #99-0623.04

SBCCI NER-443, NER-393

		WIND SPEED VULT		WIND SPEED VULT		WIND SPEED VULT		WIND SPEED VULT	
		110 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
ROOF T' TO 2"	1	10	12.0 / -18.9	14.9 / -23.1	17.9 / -27.8	20.9 / -32.3	23.9 / -36.8	26.9 / -41.3	29.9 / -45.8
	1	20	11.4 / -18.4	13.6 / -23.0	15.9 / -27.0	18.5 / -31.4	21.1 / -35.4	23.7 / -39.4	26.3 / -43.4
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2	18.5 / -34.4	21.1 / -38.4	23.7 / -42.4
	2	10	12.5 / -34.1	14.9 / -41.3	17.9 / -48.4	20.9 / -56.2	23.9 / -64.0	26.9 / -71.8	29.9 / -79.6
	2	20	11.4 / -31.9	13.6 / -38.0	15.9 / -39.4	18.5 / -51.1	21.1 / -45.1	23.7 / -49.1	26.3 / -53.1
	2	50	10.0 / -32.2	11.9 / -33.6	13.9 / -35.4	16.1 / -45.1	18.5 / -49.1	21.1 / -53.1	23.7 / -57.1
ROOF T' TO 2"	3	10	12.5 / -51.3	14.9 / -61.0	17.9 / -71.6	20.9 / -83.1	23.9 / -94.6	26.9 / -106.1	29.9 / -117.6
	3	20	11.4 / -47.9	13.6 / -57.1	15.9 / -67.0	18.5 / -77.1	21.1 / -87.1	23.7 / -97.1	26.3 / -107.1
	3	50	10.0 / -43.5	11.9 / -51.9	13.9 / -60.8	16.1 / -70.5	18.5 / -80.2	21.1 / -90.0	23.7 / -99.7
	4	10	21.8 / -23.6	25.9 / -34.1	30.4 / -33.0	35.3 / -38.2	40.2 / -43.4	45.1 / -48.6	50.0 / -51.8
	4	20	20.9 / -22.6	24.7 / -36.9	29.0 / -31.6	33.7 / -36.1	38.4 / -41.6	43.1 / -46.1	47.8 / -51.3
	4	50	19.5 / -21.3	23.2 / -25.4	27.0 / -29.8	31.6 / -34.6	36.3 / -39.4	40.9 / -44.2	45.6 / -49.0
WALL	1	10	21.8 / -23.1	25.9 / -34.1	30.4 / -40.1	35.3 / -47.2	40.2 / -48.6	45.1 / -54.0	50.0 / -61.4
	1	20	20.9 / -21.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0	38.4 / -46.0	43.1 / -50.0	47.8 / -54.0
	1	50	19.5 / -24.6	23.2 / -29.3	27.0 / -34.3	31.6 / -39.8	36.3 / -44.3	40.9 / -48.8	45.6 / -53.3
	2	10	21.8 / -23.1	25.9 / -34.1	30.4 / -40.1	35.3 / -47.2	40.2 / -48.6	45.1 / -54.0	50.0 / -61.4
	2	20	20.9 / -21.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0	38.4 / -46.0	43.1 / -50.0	47.8 / -54.0
	2	50	19.5 / -24.6	23.2 / -29.3	27.0 / -34.3	31.6 / -39.8	36.3 / -44.3	40.9 / -48.8	45.6 / -53.3

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BULD HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.41
20	.89	1.29	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66



PENETRATIONS

SOFFIT/DROPPED CLG.

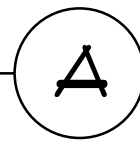
FIREBLOCKING NOTES:

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

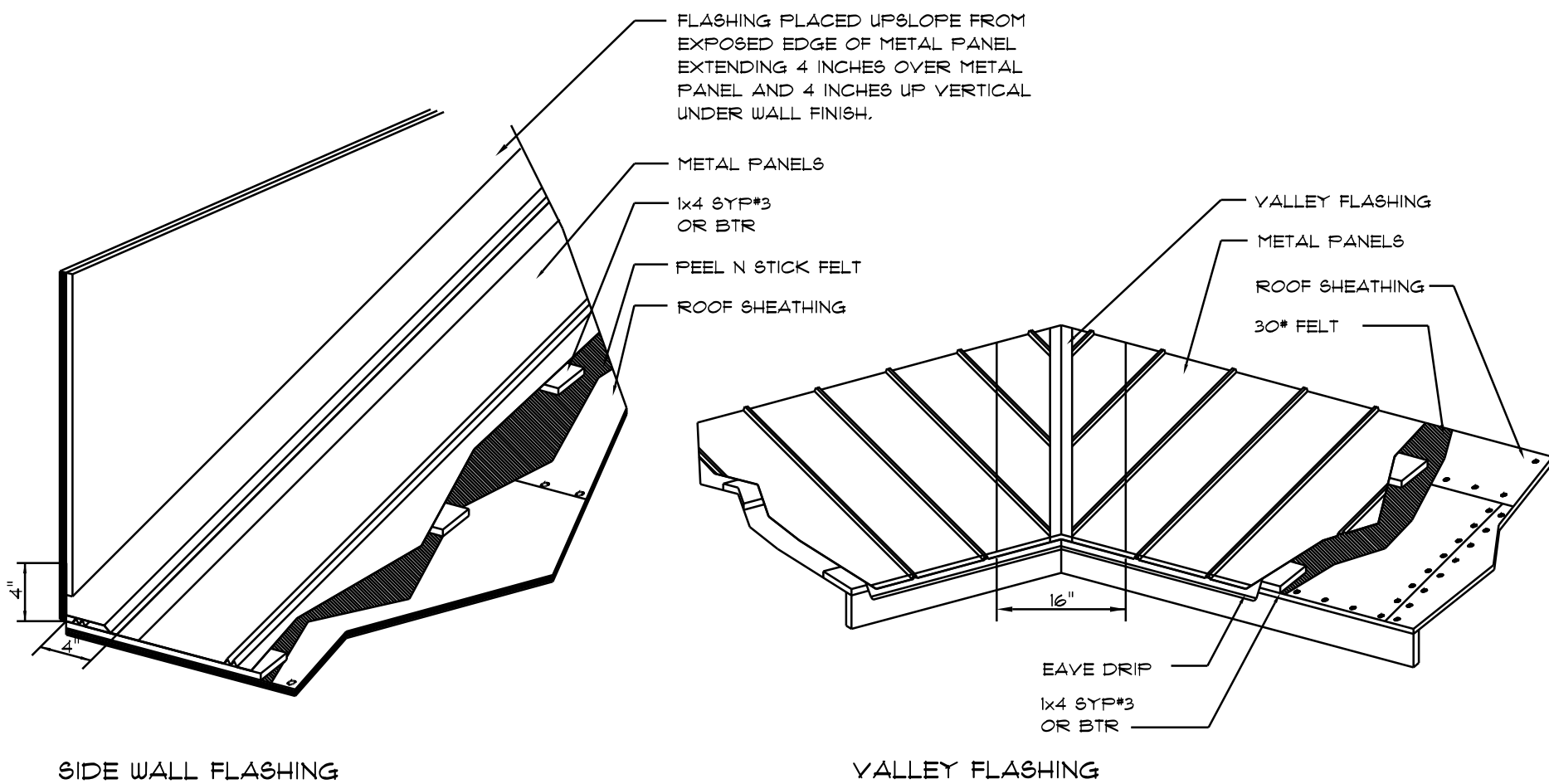
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "FYTROPANEL 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



6M-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	
				O/C SPACING	TRIM	O/C SPACING	TRIM
1	WD. SCREW	#8 X 1 1/2"	WOOD	36"	18"	24"	12"
	MTL. SCR.	#12 X 1" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"
2 & 3	WD. SCREW	#8 X 1 1/2"	WOOD	36"	18"	24"	12"
	MTL. SCR.	#12 X 1" #14 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	8"



SIDE WALL FLASHING

VALLEY FLASHING

METAL ROOFING. DET.

SCALE: NONE

General Roofing NOTES:

DECK REQUIREMENTS:

METAL PANELS MUST BE FASTENED TO 1x4 FURRING PURLINS 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 7-98

FASTENERS:

FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #8 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.

- 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:

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.

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 71 LB5 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 1501.3.2.
- OPEN VALLEYS: VALLEY LINING OF TWO PLIES 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 & COMPLYING WITH ASTM D 1970.

REVISIONS
June 18th, 2024

CUSTOM HOME FOR:
DEEN RESIDENCE
COLUMBIA COUNTY, FL

NICHOLAS PAUL GEISLER ARCHITECT

1750 NW 82nd Rd.
Lake City, FL 32055
(904) 755-9021

SHEET NUMBER

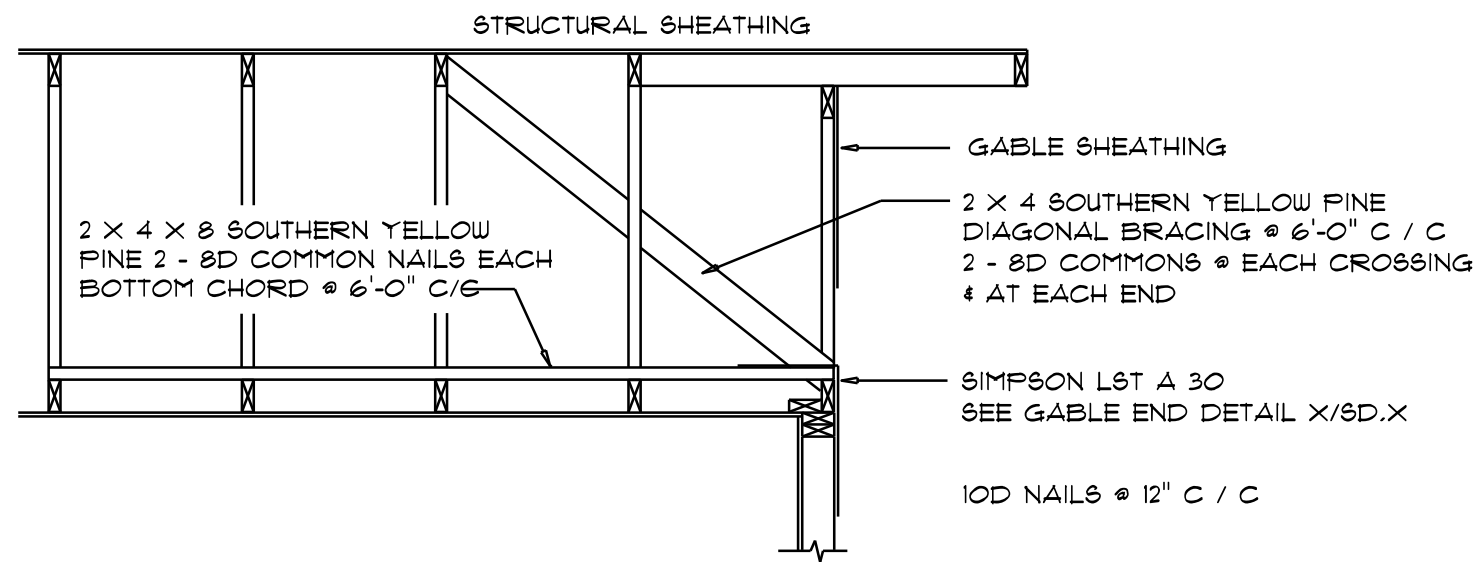
S.3

OF 4 SHEETS

N.P. GEISLER

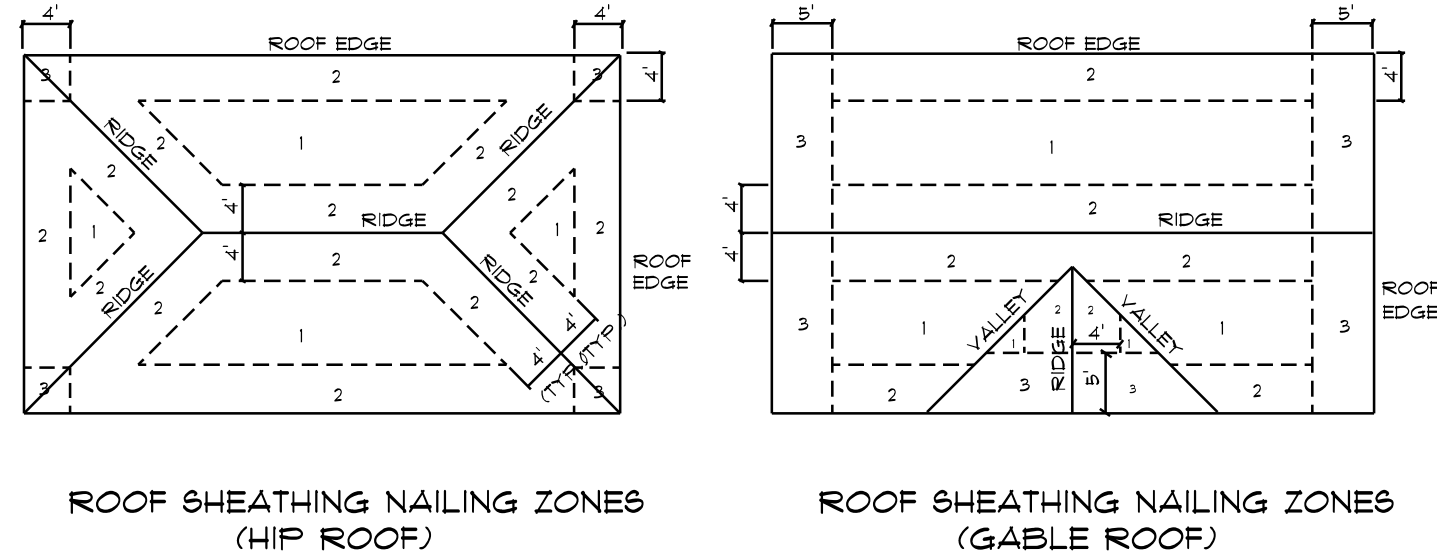
Digitaly signed by: N.P. GEISLER
DN: CN = N. P. GEISLER, email =
ngeisler47@gmail.com, C = US, O =
ARCHITECT OLL AR0007005
Date: 2024.06.19 15:10:37 -0500'

AR0007005



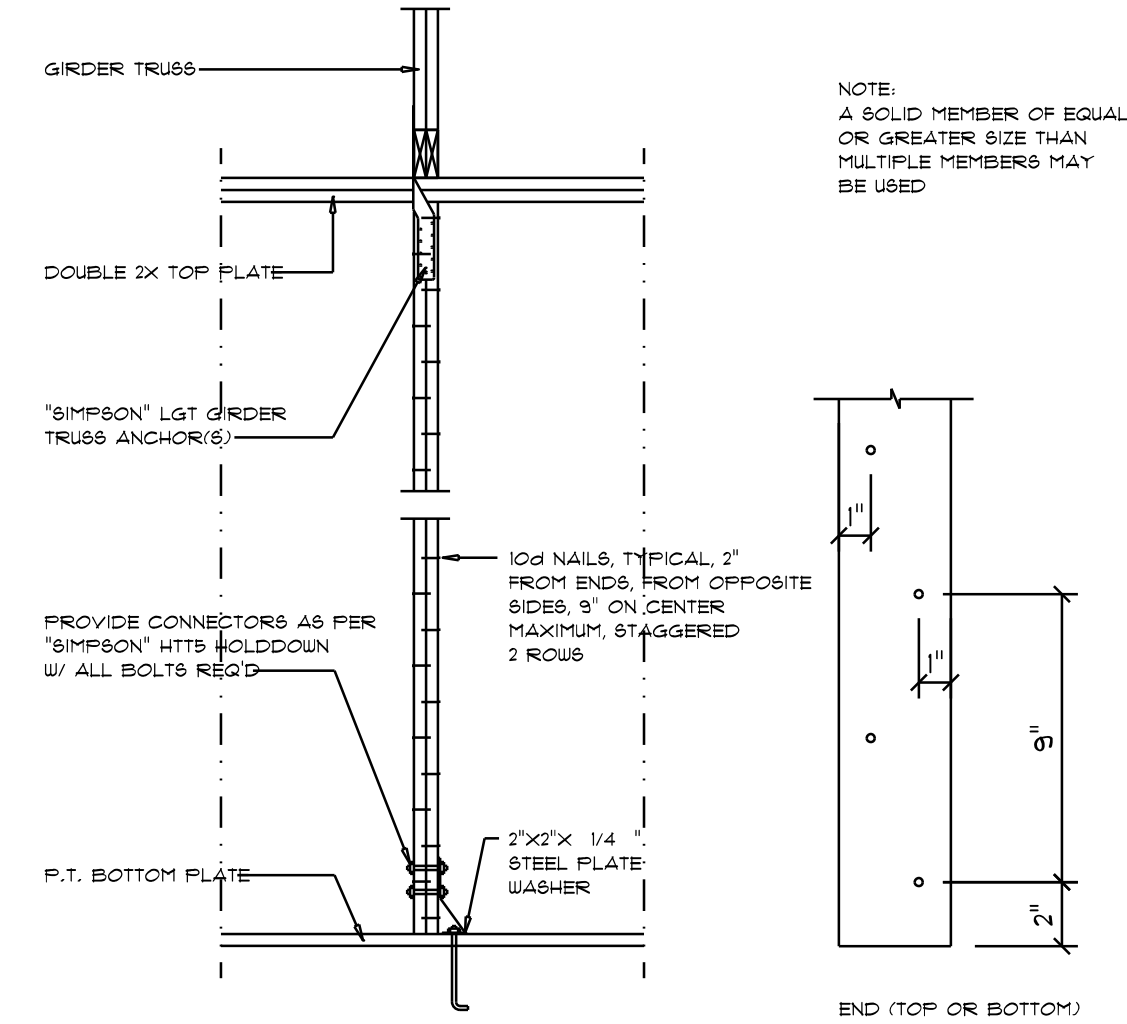
END WALL BRACING FOR CEILING DIAPHRAGM
NTS (ALTERNATIVE TO BALLOON FRAMING)
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/16" O.S.B. OR 15/32 CDX	2 1/2"x0.131" RING SHANK NAILS	6" IN. O.C. EDGE 6" IN. O.C. FIELD
2		3"x0.120" RING SHANK NAILS	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

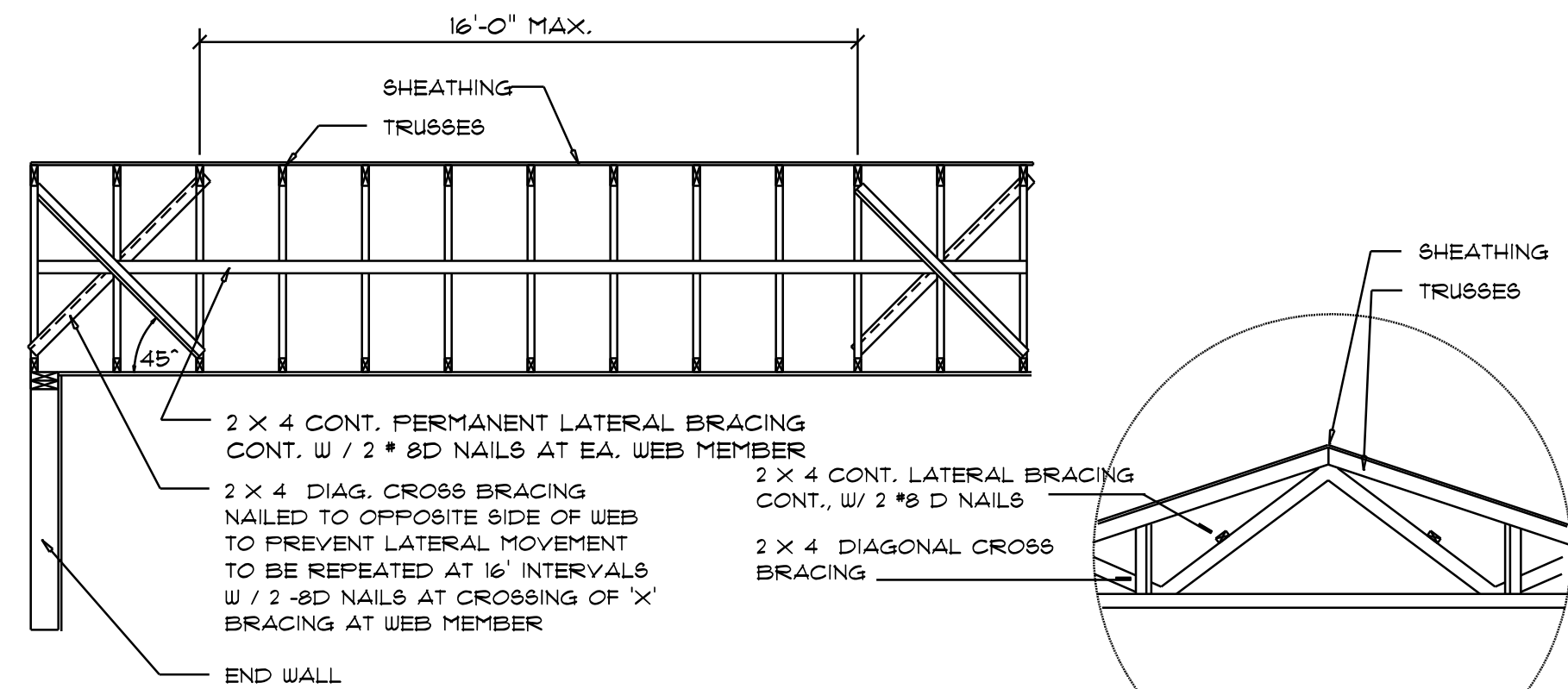


Roof Nail Pattern DET.
SCALE: NONE

Review for Code Compliance
Universal Engineering Science
Lester Perera
PK2707 07/15/2024
Exempt License No.

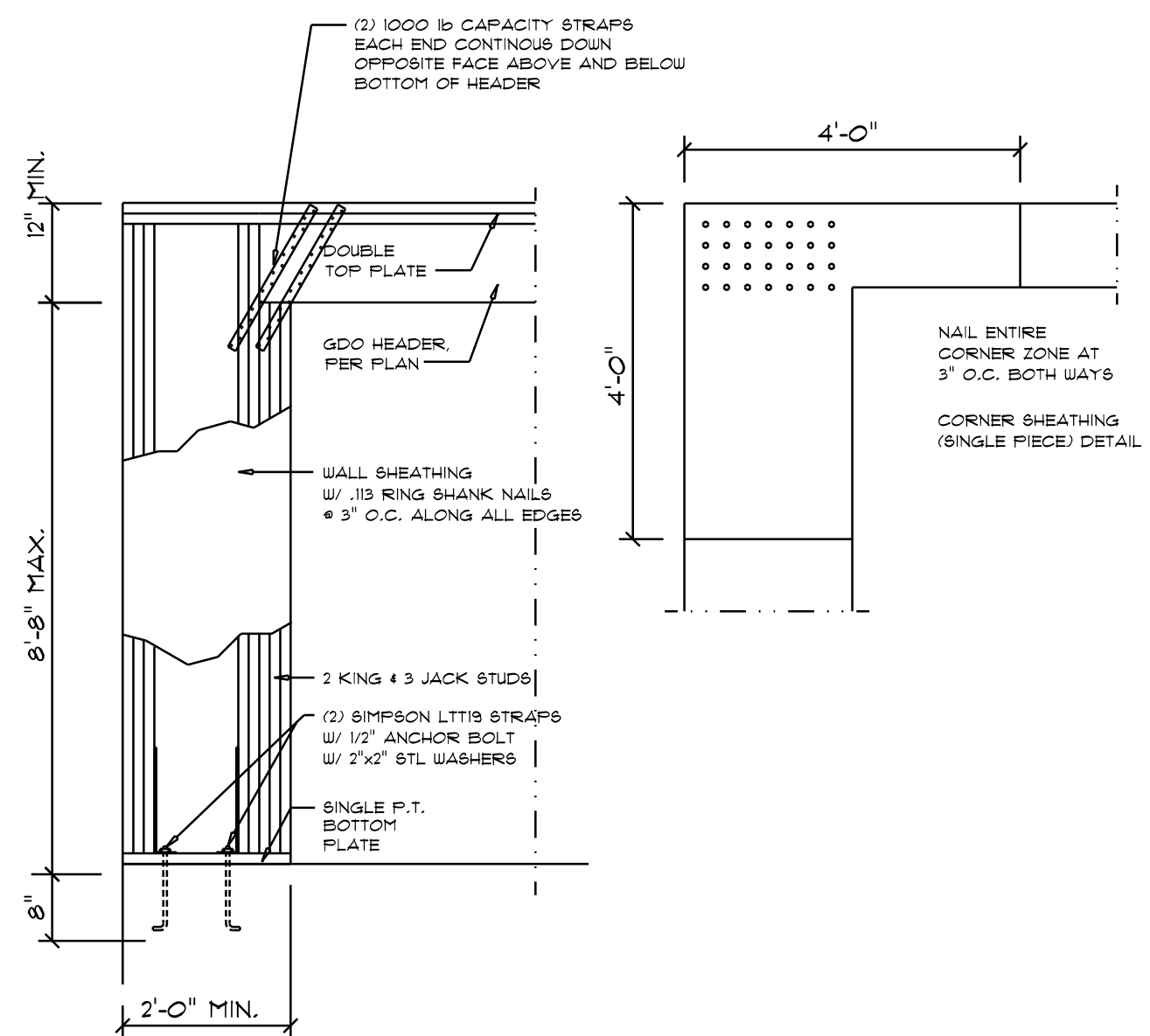


Girder Truss Column DET.
SCALE: 1/2" = 1'-0"

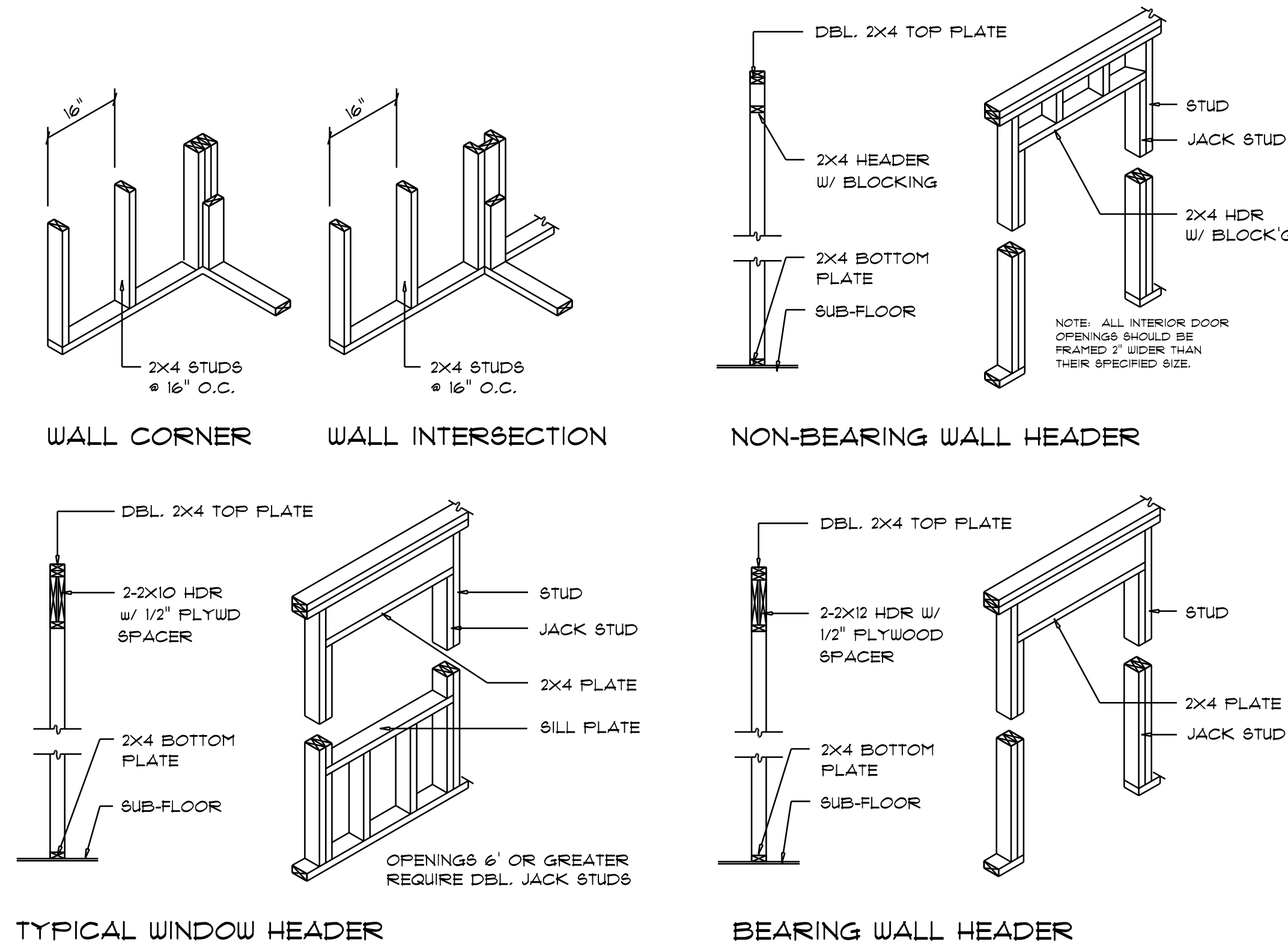


TYP. PERMANENT TRUSS BRACING DIA.
NTS
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

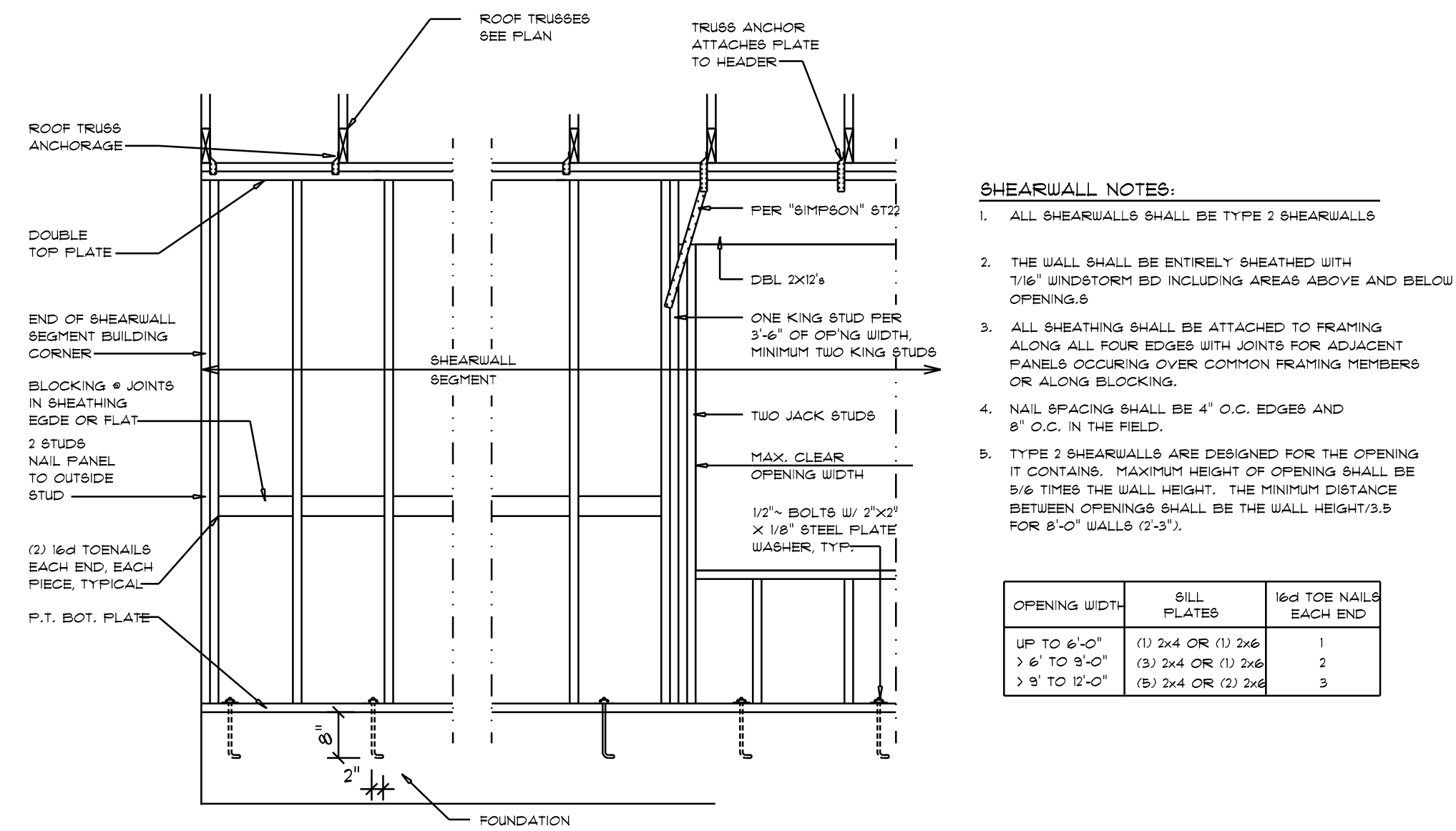
Truss Bracing DETAILS
SCALE: AS NOTED



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 4" O.C. EDGES AND 8" 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) 2x4	3

REVISIONS
June 18th, 2024

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1750 NW Brown Rd.
Lake City, FL 32055
(904) 755-9020

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 = ARCHITECT O.U. = AR0007005
Date: 2024.06.19 15:11:01 -0500

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