

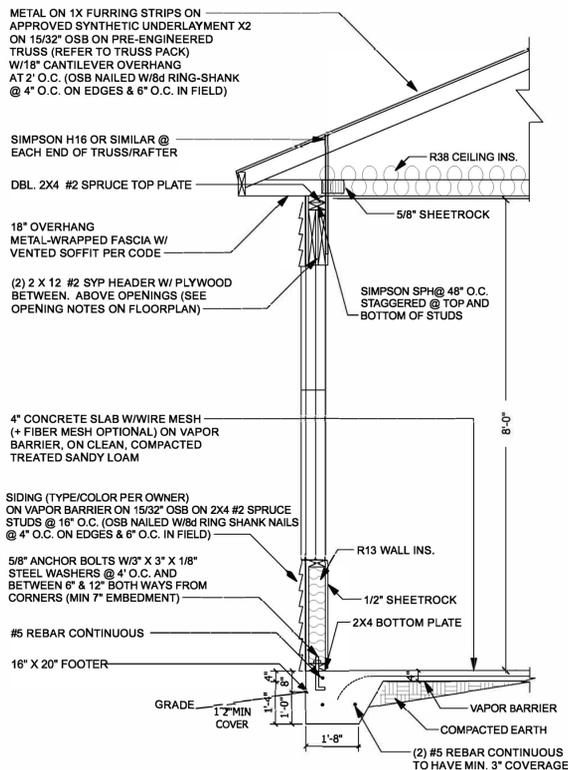
FOUNDATION LAYOUT
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES

- (1) HD = SIMPSON STRONG-TIE HD3B (SLAB) OR STHD (WOOD FLOOR SYSTEM)
- (2) CONTRACTOR SHALL VERIFY ALL FOUNDATION DIMENSIONS PRIOR TO CONSTRUCTION. IF A DIMENSION CONFLICT OCCURS BETWEEN THE FLOOR PLAN AND FOUNDATION PLAN, THE FLOOR PLAN SHALL CONTROL.
- (3) ADDED FILL SHALL BE APPLIED IN 8" LIFTS. EACH LIFT SHALL BE COMPACTED TO 95% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.
- (4) CONTROL JOINTS CUT 1/2" WIDE X 1/4" OF DEPTH. 10' EACH WAY MAX SPACING.
- (5) EMBED WIRE MESH IN SLAB 1/2 OF DEPTH.

SHEARWALL SCHEDULE			
SHEATHING TYPE & SIZE	NAILING PATTERN	HOLDOWN REQUIREMENTS	ANCHOR BOLT SPACING
1/2" PLYWOOD SHEATHING	8d NAILS @ 4" O.C. EDGES 8" O.C. FIELD	HD3B W/ 5/8" A.B. @ EACH END OF SHEAR	5/8" @ 48" O.C.

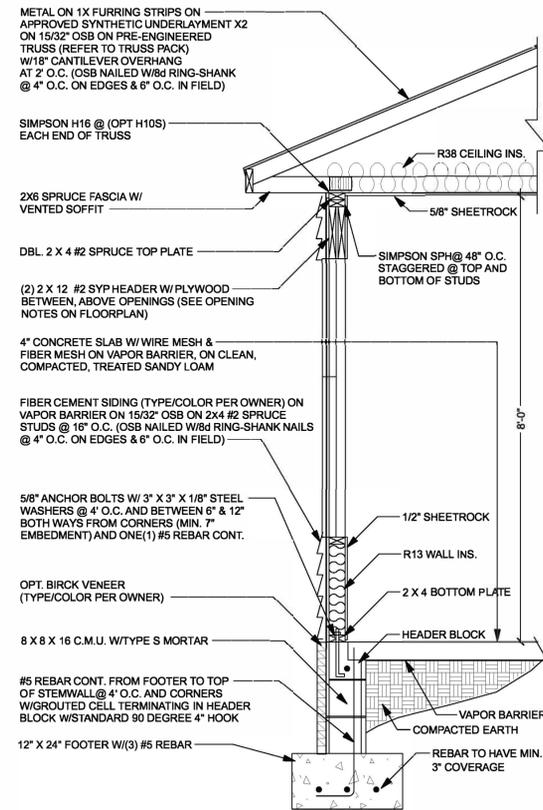
	<p>GILL ENGINEERING SERVICES, INC. AUTH # 30824 GARY GILL, PE #51942 426 SW COMMERCE DR 130-M LAKE CITY, FL 32025 386-590-1242</p>	<p>JANUARY SKY DESIGNS functional, efficient, beautiful home design Tel: 386.209.4435 januaryskydesigns@gmail.com</p>		<p>135 NW Winding Place Lake City Florida Columbia County</p>	<p>Michael Davis PHONE: FAX:</p>
			<p>DRAWN BY: J. Jernigan</p>	<p>DATE: Monday, September 29, 2025</p>	<p>PAGE: S1 FND</p>



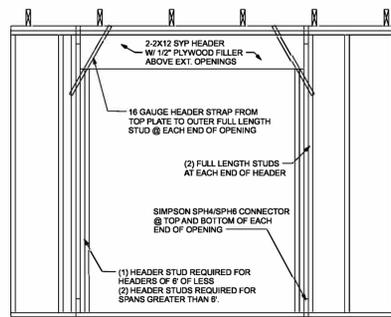
TYPICAL SECTION
SCALE: NTS

OPTIONAL STEM WALL TYPICAL SECTION

SCALE: NTS

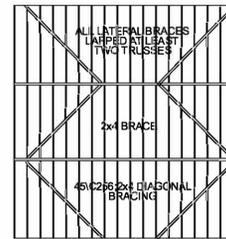


TYPICAL FRAMING & UPLIFT CONNECTION FOR OPENINGS



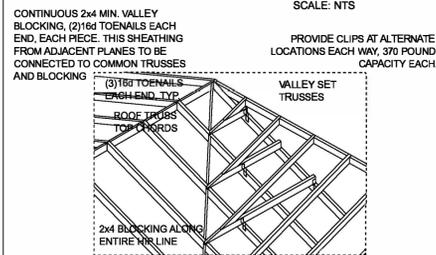
TRUSS BOTTOM CHORD BRACING DIAGRAM

SCALE: NTS



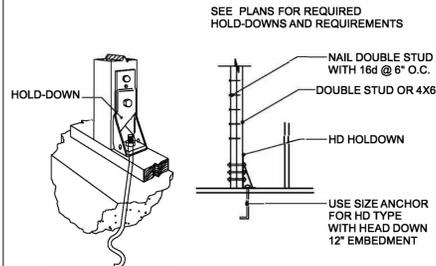
VALLEY FRAMING DETAIL

SCALE: NTS



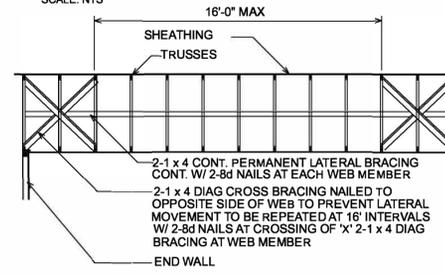
SHEARWALL HOLD DOWN DETAIL

SCALE: NTS

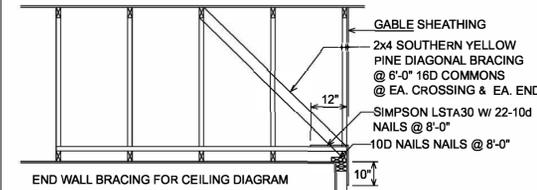


TYPICAL TRUSS BRACING DIAGRAM

SCALE: NTS

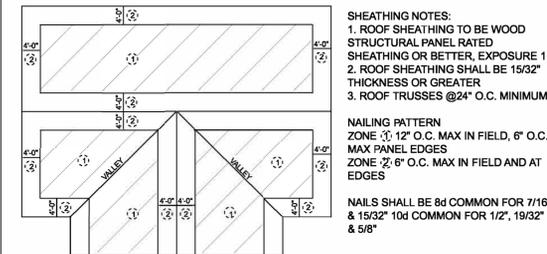


NOTE: ALL CONNECTIONS SHOULD BE MADE WITH A MINIMUM OF 2-16d NAILS.
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE.



ROOF SHEATHING DIAGRAM

SCALE: NTS



SIMPSON CONNECTOR TABLE

TYPE	UPLIFT CAPACITY (LBS)	LATERAL CAPACITY (LBS)	LOCATION
AC4/AC6	1,430	715 PAR/-	POST TO BEAM
H16	1,470	-/-	TRUSS TO BEAM/PLATE
HETA20	1,890	750 PAR/335 PERP	GABLE END CONNECTION
ABU44Z/ABU66Z	2,200	-/-	POST TO BEAM
SPH4/SPH6	1,240	-/-	PLATE TO STUD

DESIGN LOADS

- LIVE LOAD = 20 PSF
- DEAD LOAD = 10 PSF
- WIND LOADS
BASIC WIND SPEED = 130 MPH (3 SEC GUST)
IMPORTANCE (I) = 1.0
WIND EXPOSURE = "B"
INTERNAL PRESSURE = +/- 0.18
- CLADDING & COMPONENTS
ZONE 1 21.3/-34.15 PSF
ZONE 2 21.5/-59.45 PSF
ZONE 3 21.5/-69.75 PSF
ZONE 4 37.32/-40.48 PSF
ZONE 5 37.32/49.96 PSF

I HEREBY CERTIFY THAT THESE PLANS COMPLY WITH THE 2023 FBC FOR A 130 MPH WIND LOAD (3-SEC INTERVAL).

GARY J. GILL, P.E. GA#30974
386-590-1242

GENERAL NOTES

SPECIFICATIONS

DESIGN, MATERIAL, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING STANDARDS, UNLESS OTHERWISE MODIFIED ON THE DRAWINGS:
ASCE 7 MINIMUM DESIGN LOAD FOR BUILDINGS & OTHER STRUCTURES.
ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE STRUCTURES.
ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
CRSI RECOMMENDED PRACTICE FOR PLACING REINFORCING STEEL.
ACI 530/ASCE 5/TMS 402 BUILDING CODE FOR MASONRY STRUCTURES.
2023 FLORIDA BUILDING CODE (8TH EDITION)

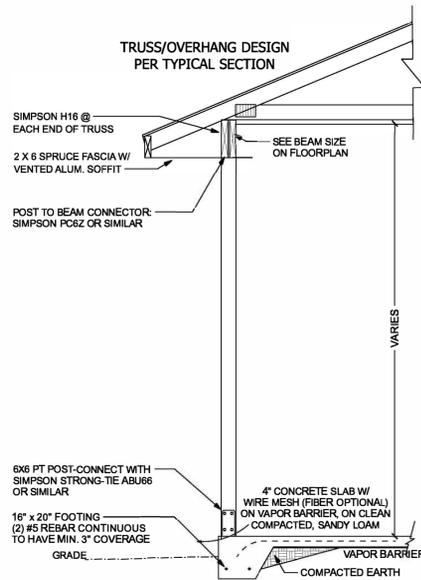
BUILDING MATERIAL

- ROOF
-ROOF SHEATHING SHALL BE 15/32 APA RATED SHEATHING NAILED W/ 8d RING-SHANK NAILS SPACED 6" MAXIMUM AT SUPPORTED EDGES. SPACE NAILS MAXIMUM 12" ALONG INTERMEDIATE FRAMING MEMBERS. FASTENERS SHALL BE LOCATED 3/8" FROM PANEL EDGES. MINIMUM NAIL PENETRATION SHALL BE 1 3/8" TYP.
-NAIL SPACING SHALL BE 4" O.C. WITH 8d RING-SHANK NAILS ALONG ROOFING MEMBER OVER GABLE END TRUSS.
- PER APA, STRUCTURAL DIAPHRAGM CAPACITY = 240 pif (NOT INCLUDING 40% INCREASE PER FBC 2313.2.4.)
- TRUSSES
- TRUSSES SHALL BE PRE-ENGINEERED ACCORDING TO DESIGN LOAD.
- TRUSSES SHALL BE BRACED PER TRUSS PLATE INSTITUTE (TPI) HIB-91. SEE DRAWING S-2 FOR DETAILS.
- INTERIOR FINISHES
- ALL GYPSUM BOARD SHALL HAVE A MINIMUM THICKNESS OF 5/8" FOR CEILING AND 1/2" FOR WALL.
- GYPSUM BOARD ON WALL SHALL BE ATTACHED WITH 1 3/8" DRYWALL NAILS @ 8" O.C.
- GYPSUM BOARD ON CEILING (FIRE RATED) SHALL BE ATTACHED 1 3/8" DRYWALL NAILS @ 7" O.C.
- MASONRY WALLS
- ASSUMED MAXIMUM COMPRESSIVE STRENGTH = 1500 psi (GROUTED HOLLOW CONCRETE UNITS - GRADE N)
- VERTICAL REINFORCING IN WALLS SHALL BE #5 RE-BAR SPACED 48" OC (TYP).
- HORIZONTAL REINFORCING IN WALLS SHALL BE LADDER TYPE JOINT REINFORCING 9 GAUGE WIRE
- THE REINFORCING SHALL BE A MINIMUM GRADE 40.
- PROVIDE CLEANOUTS IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR, WHEN THE GROUT POUR EXCEEDS 5 FT. CONSTRUCT CLEANOUTS ADJACENT TO EACH VERTICAL BAR.
- CONCRETE FOOTINGS AND SLABS
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSF IN 28 DAYS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 40. WELDED WIRE MESH SHALL CONFORM TO ASTM A185.
- PROVIDE A MINIMUM COVER OF 3" FOR REINFORCING STEEL WHEN THE CONCRETE IS PLACED DIRECTLY AGAINST THE GROUND. CONCRETE EXPOSED TO EARTH OR WEATHER SHALL HAVE A MINIMUM COVER OF 1 1/2" INCHES.
- WELDED WIRE FABRIC SHALL HAVE A MINIMUM YIELD STRENGTH OF 65,000 psi.
- MINIMUM WWF FOR SLAB ON GRADE SHALL BE 6x6-W1.4x1.4
- A VAPOR RETARDER CONSISTING OF 6 MIL MINIMUM POLYETHYLENE WITH JOINTS LAPPED 6 INCHES AND SEALED WITH 2" APPROVED TAPE OR MASTIC, OR OTHER APPROVED MATERIALS HAVING A MAXIMUM PERM RATING OF 0.5
- SOIL PREPARATION AND PROPERTIES
- AREA UNDER FOOTINGS, FOUNDATIONS, AND CONCRETE SLABS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATTERS SHALL BE REMOVED TO THEIR CONSTRUCTION.
- FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL
- ALLOWABLE BEARING PRESSURE = 1500 psf
- WINDOWS
- ONE WINDOW PER BEDROOM SHALL BE AN ESCAPE & RESCUE WINDOW THAT MEETS EGRESS REQUIREMENTS

SCOPE

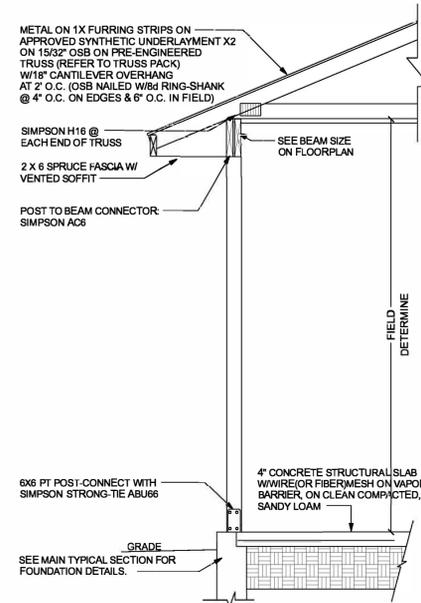
ALL MECHANICAL/HVAC SYSTEMS, COMPONENTS, AND DEVICES TO BE DESIGNED BY A CERTIFIED MECHANICAL CONTRACTOR. ALL INFORMATION ON MECHANICAL PLANS ARE CONCEPTUAL ONLY AND NOT INTENDED TO SERVE AS DESIGN DOCUMENTS. DESIGN OF ALL MECHANICAL SYSTEMS, COMPONENTS AND DEVICES ARE OUTSIDE OF ENGINEERING SCOPE OF WORK.
ALL PLUMBING SYSTEMS COMPONENTS, AND DEVICES TO BE DESIGNED BY A CERTIFIED PLUMBING CONTRACTOR. ALL INFORMATION ON PLUMBING PLANS ARE CONCEPTUAL ONLY AND NOT INTENDED TO SERVE AS DESIGN DOCUMENTS. DESIGN OF ALL PLUMBING SYSTEMS, COMPONENTS AND DEVICES ARE OUTSIDE OF ENGINEERING SCOPE OF WORK.
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MONOLITHIC POST CONNECTION DETAIL



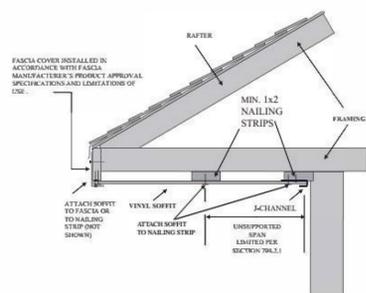
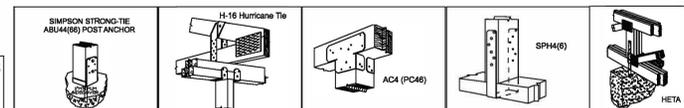
OPTIONAL PORCH TYPICAL SECTION

SCALE: NTS



SIMPSON CONNECTORS

NOTE: DETAILS ARE FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO PLAN FOR ACTUAL PROJECT DESIGN & SIZING.



SOFFIT DETAIL



GILL ENGINEERING SERVICES, INC.
ALTH #30824
GARY GILL, PE#51942
426 SW COMMERCE DR 130-M
LAKE CITY, FL 32025 386-590-1242

JANUARY SKY DESIGNS
Functional, efficient, beautiful home design

Tel: 386.209.4435
januaryskydesigns@gmail.com



SECTION LETTER
PAGE NUMBERS

Michael Davis
135 NW Winding Place
Lake City
Florida
Columbia County

PHONE:
FAX:

DRAWN BY: J. Jernigan
SCALE: 3/8" = 1'-0"

DATE: Monday, September 29, 2025

PAGE:
S2
DET