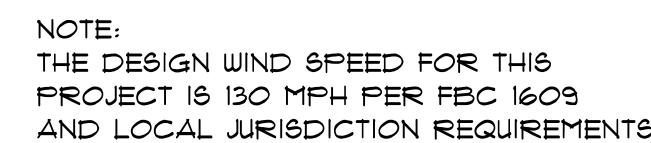


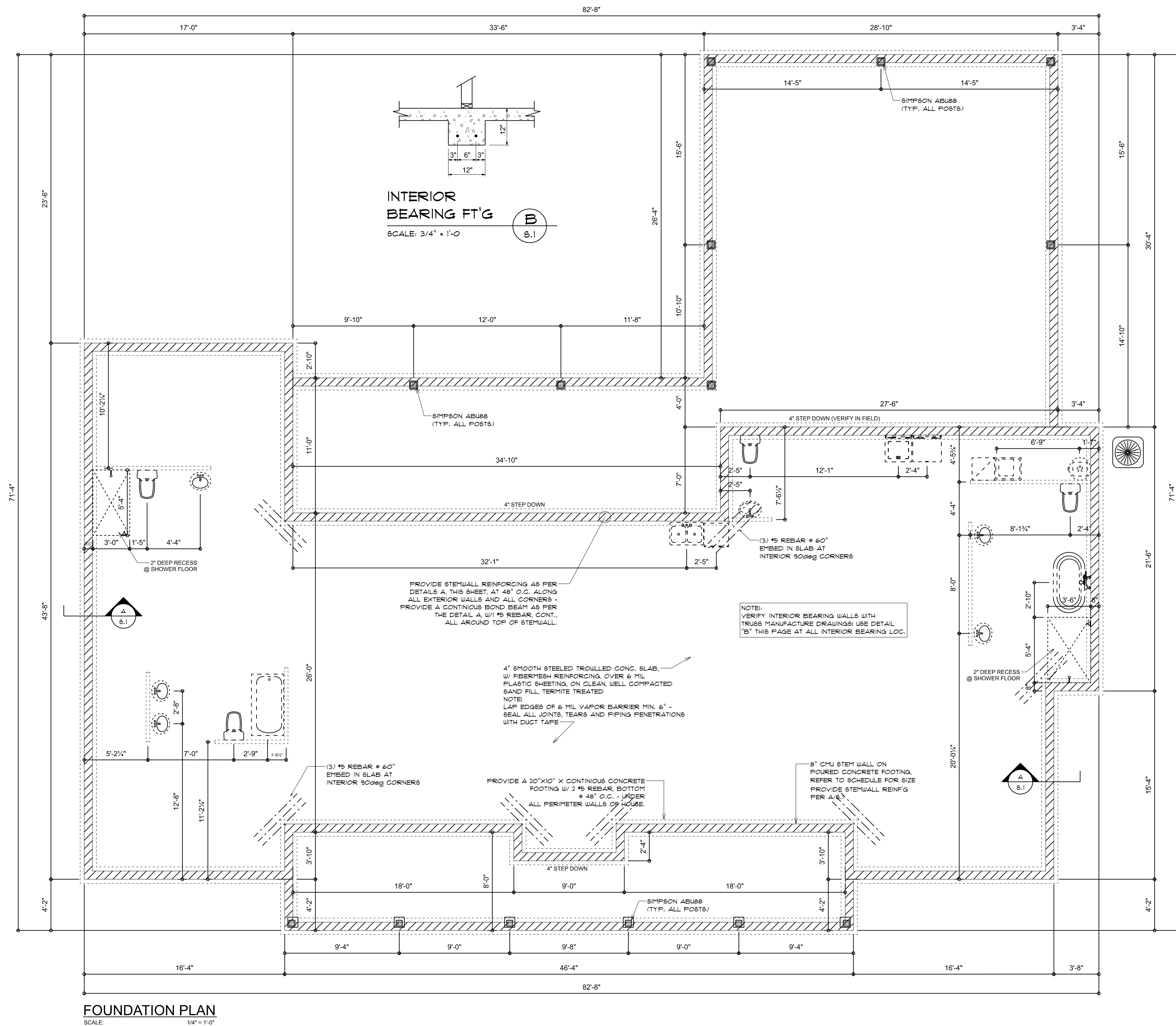
1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
2. EXPANSIVE SOILS, WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION FOR THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING G.D. 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.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 25 KSI.
6. 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.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-30 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F_m = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



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

NOTE:
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL
PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTRACTOR
SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND
1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL
DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING
REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS
TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



REVISIONS
Apr. 7th, 2022

CUSTOM HOME FOR:
LITTLE RESIDENCE
1542 Little Rd. Lake City, FL 32024

N

**NICHOLAS
PAUL
GEISLER
ARCHITECT**

■ 1759 NW Brown Rd.
■ Lakeland, FL 34055

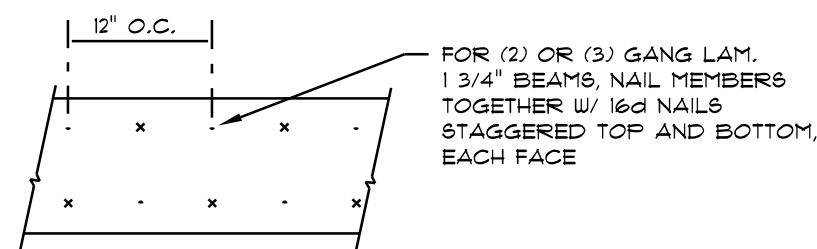
N.C.A.R.B. Certified

SHEET NUMBER
S.1
OF 4 SHEETS

Nicholas
P. Geisler

Digitally signed by: Nicholas P. Geisler
DN: CN = Nicholas P. Geisler email =
npgeisler7@gmail.com C = US O =
Nicholas P. Geisler
Date: 2022.04.22 10:27:44 -0500

AR0007005



MULTIPLE GANG LAM. DETAIL

NOT TO SCALE

B/U Beam DETAILS

SCALE: NONE

ROOF PLAN NOTES

- 7-1 SEE ELEVATIONS FOR ROOF PITCH
- 7-2 ALL OVERHANG 18" (12" on gables)
UNLESS OTHERWISE NOTED
- 7-3 PROVIDE ATTIC VENTILATION IN AC-
CORDANCE WITH SCHEDULE ON SD.3
- 7-4 SEE EXTERIOR ELEVATIONS AND FLOOR
PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- 7-5 MOVE ALL VENTS AND OTHER
ROOF PENETRATIONS TO REAR

GENERAL TRUSS NOTES:

1. 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 EDITION, ALONG WITH TRUSS SHOP DRAWINGS. TRUSSES SHALL BE DESIGNED TO CARRY ALL PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS. 4 TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND LOAD REQUIREMENTS. TRUSS SHOP DRAWINGS SHALL BE CHECKED BY THE ARCHITECT, & 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 REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

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	0.0119	26 (ZINC COATED G30)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

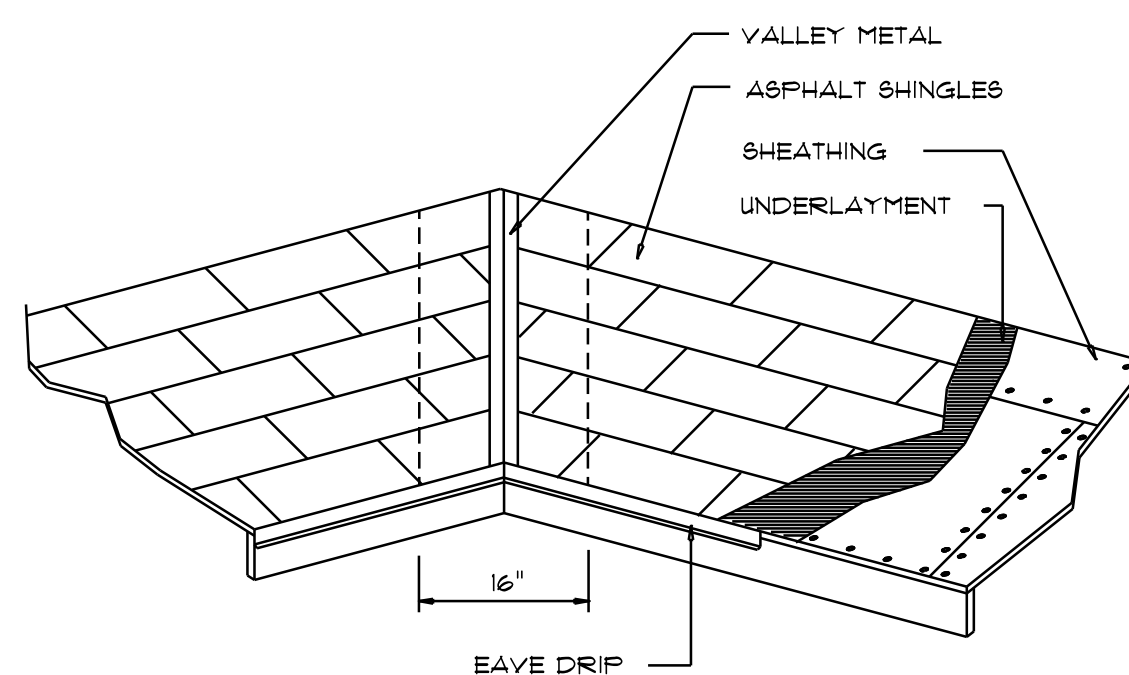
(A)

WOOD STRUCTURAL NOTES

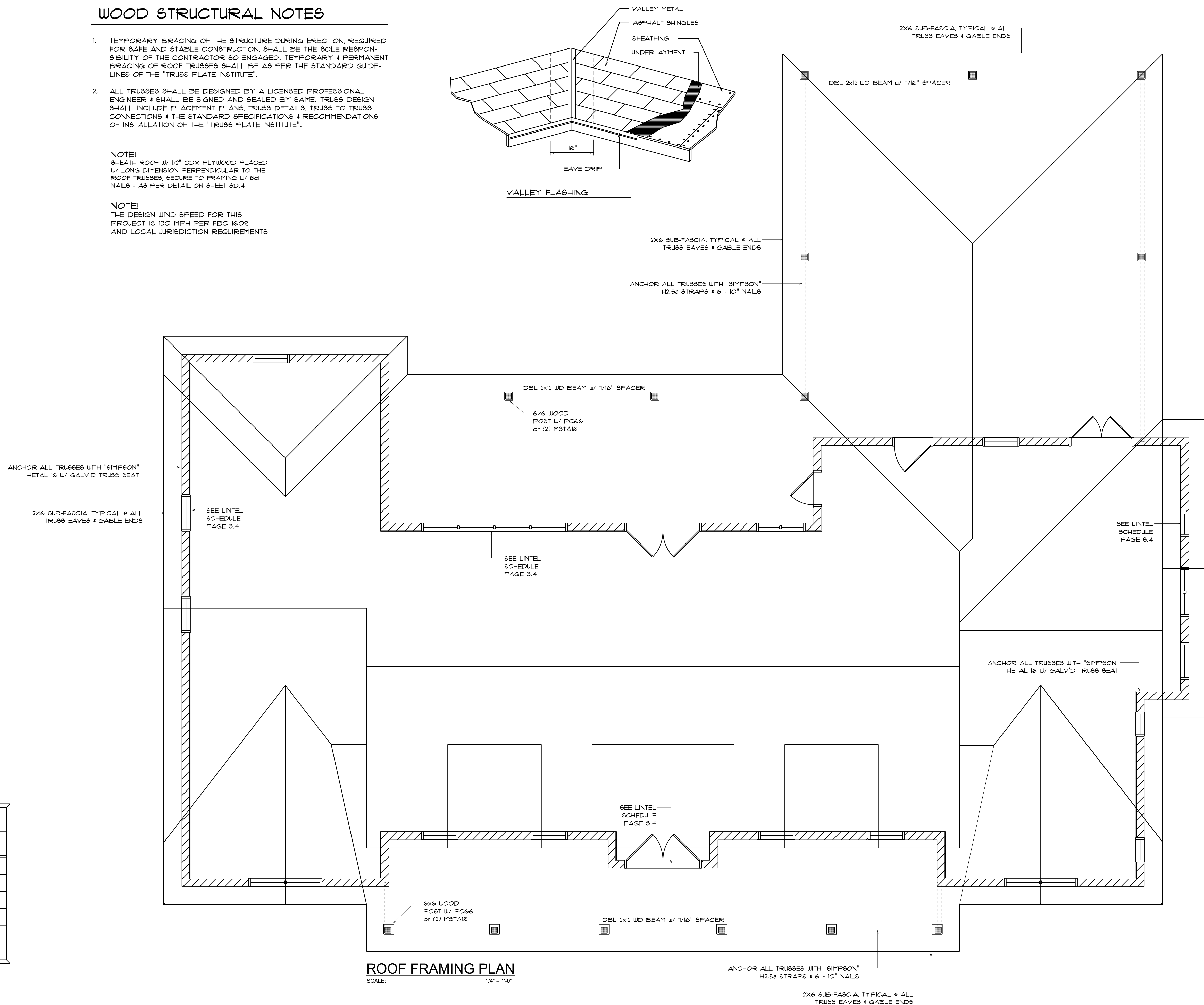
1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE DESIGNED & SEALED. THE CONTRACTOR'S DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".

NOTE:
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED
W/ LONG DIMENSION PERPENDICULAR TO THE
ROOF TRUSSES, SECURE TO FRAMING W/ 8d
NAILS - AS PER DETAIL ON SHEET SD.4

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



VALLEY FLASHING



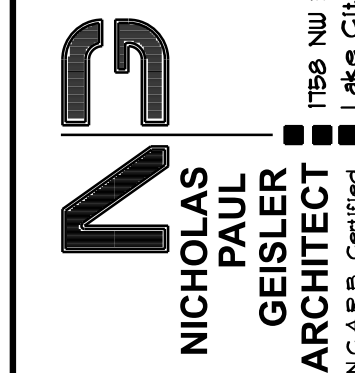
ROOF FRAMING PLAN

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

REVISIONS
Apr. 7th, 2022

CUSTOM HOME FOR:
LITTLE RESIDENCE

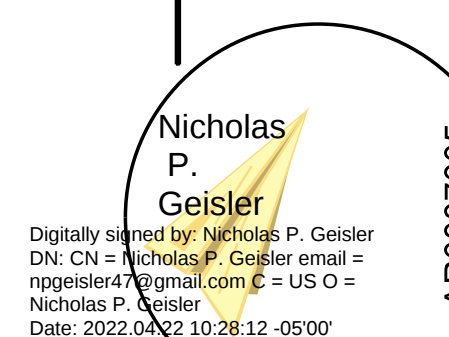
1542 Little Rd. Lake City, FL 32024



SHEET NUMBER

S.2

OF 4 SHEETS



FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof:	Hip Construction, Wood Trusses @ 24" O.C.
Walls:	8" CMU Block
Floor:	4" Thk. Concrete Slab w/ Fibermesh 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:	Ring Shank Nails per schedule on sheet S.3
HURRICANE UPLIFT CONNECTORS	
Truss Anchors:	SIMPSON METAL 16 / 1425a @ Ea. Truss End (Typ. U.O.N.)
Perch Column Base Connector:	Simpson ABUB8/ABU66 @ each column
Perch Column to Beam Connector:	Simpson FC28/M5TA24 @ each column
FOOTINGS AND FOUNDATIONS	
Footings:	20"x10" Cont. w/2#5 Bars Cont.
Stemwall:	8" C.M.U. w/1#5 Vertical Dowel @ 96" O.C.

STRUCTURAL DESIGN CRITERIA:

1. 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.

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

BASED ON ANSI/ASCE 7-10, 2020 FBC 1609-4 WIND VELOCITY: $V_{ULT} = 130$ MPH
 $V_{ASD} = 101$ MPH

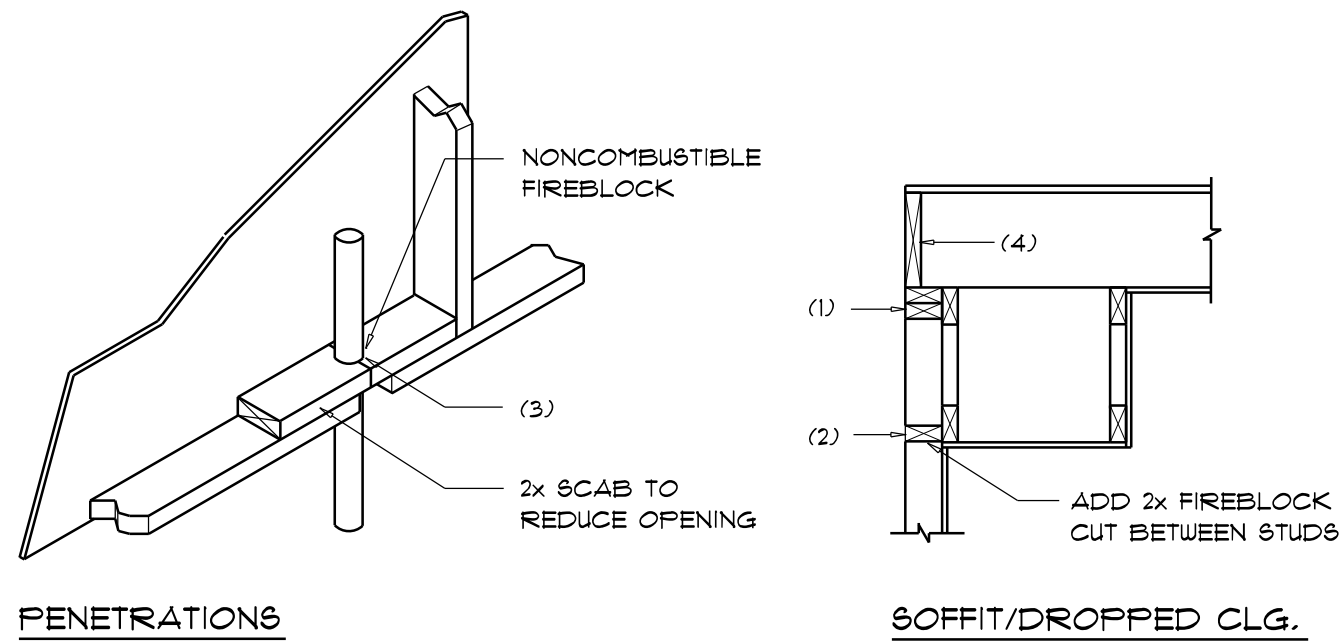
3. ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF

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

		BUILDING COMPONENTS & CLADDING LOADS		MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"			
		ROOF ANGLE T° TO 21°					
WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED
	10 MPH	10 MPH	10 MPH	10 MPH	10 MPH	10 MPH	10 MPH
	10 MPH	10 MPH	10 MPH	10 MPH	10 MPH	10 MPH	10 MPH
ROOF T TO T	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -21.8	20.3 / -32.3	20.3 / -32.3
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -21.0	18.5 / -31.4	18.5 / -31.4
	1	30	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2	16.1 / -30.2
	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2	20.3 / -56.2
	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7	18.5 / -51.7
	2	30	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7	16.1 / -45.7
WALL	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1	20.3 / -83.1
	3	20	11.4 / -47.5	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7	18.5 / -77.7
	3	30	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5	16.1 / -70.5
	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2	35.3 / -38.2
	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7	33.7 / -36.7
	4	30	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6	31.6 / -34.6
WIND DIRECTION	5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2	35.3 / -47.2
	5	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0	33.7 / -44.0
	5	30	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	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 CEILING, COVE CEILING, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROFANEL 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.

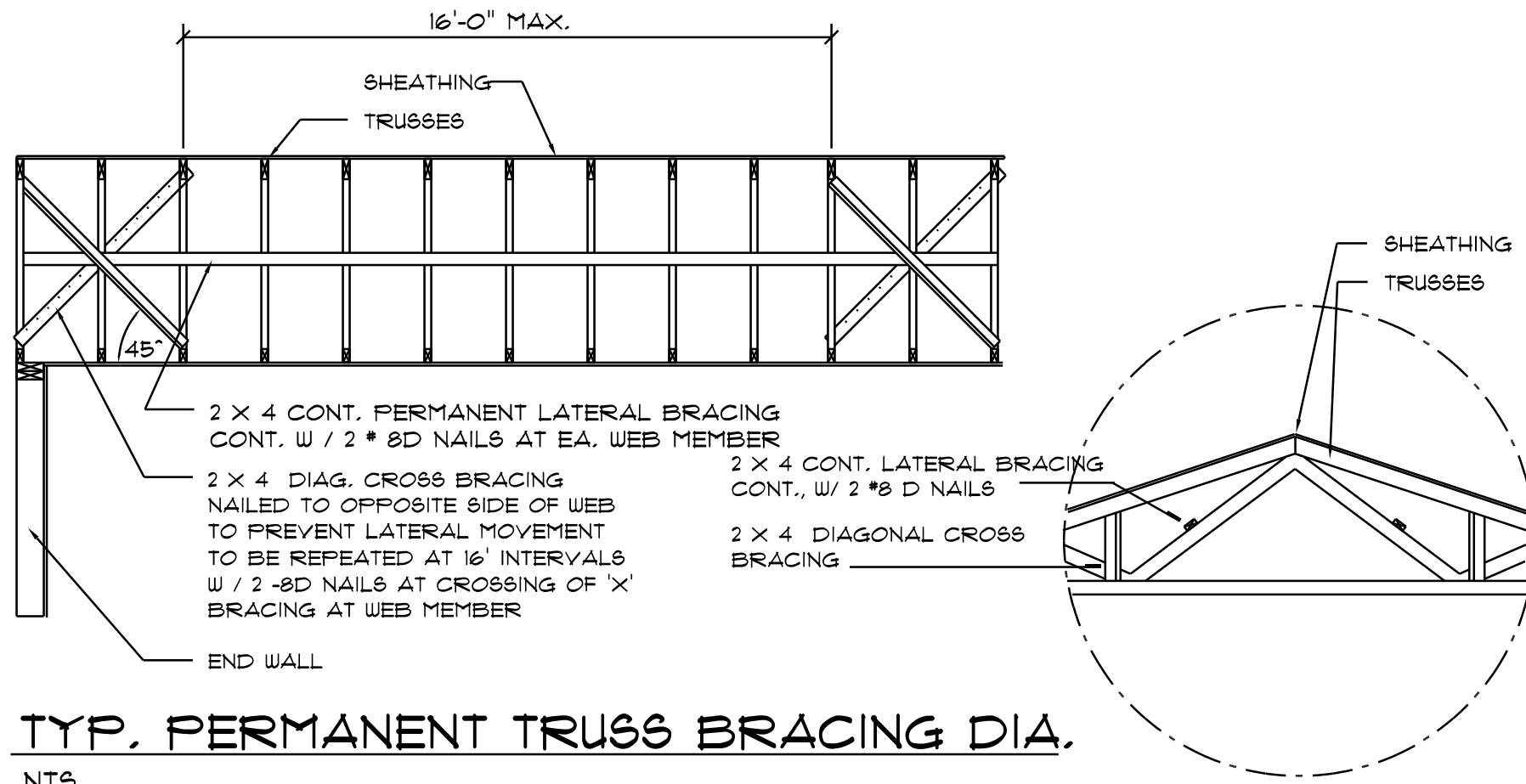
Fire Stopping DETAILS

SCALE: NONE

NOTE !!!
ROOFSHINGLES SHALL BE AS MANUFACTURED BY "TAMKO ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

GLASS-SEAL AR
ELITE GLASS-SEAL AR
HERITAGE 30 AR
HERITAGE 40 AR
HERITAGE 50 AR

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODIFIED TO 120 MPH WINDS & FBC TAB 100, USING 4 NAILS/SHINGLE

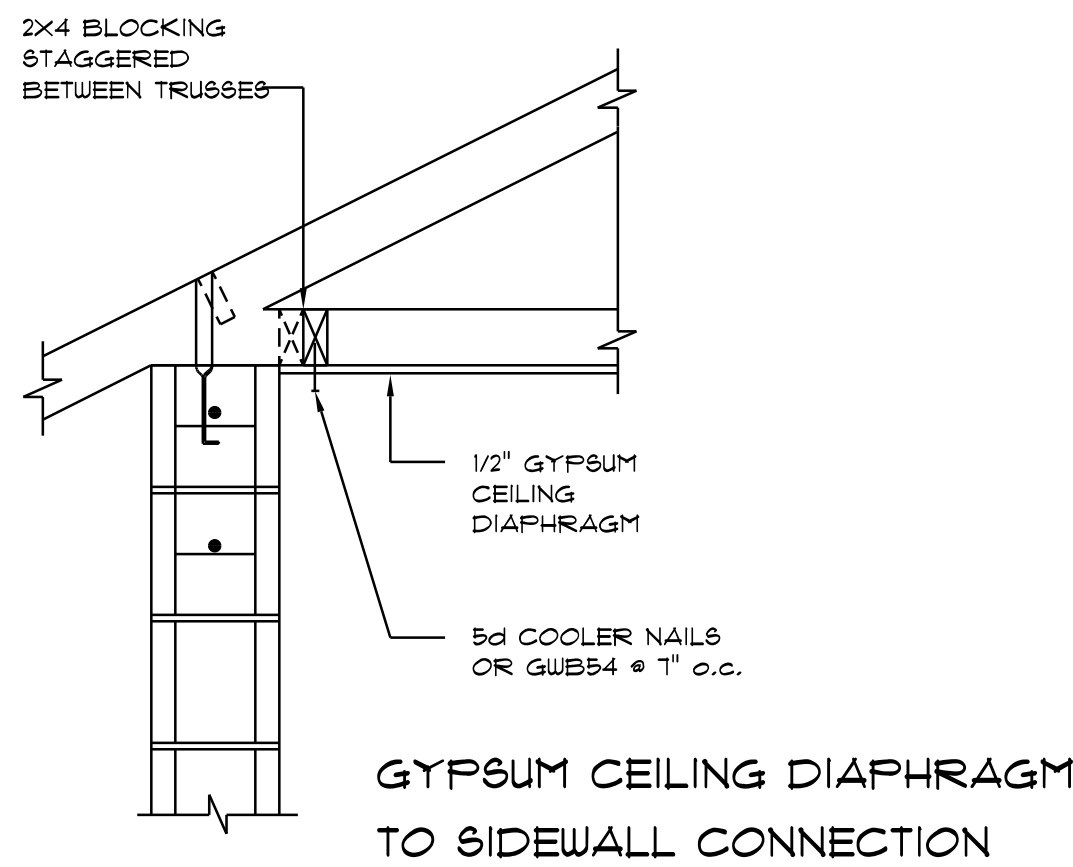


TYP. PERMANENT TRUSS BRACING DIA. NTS

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

Truss Bracing DETAILS

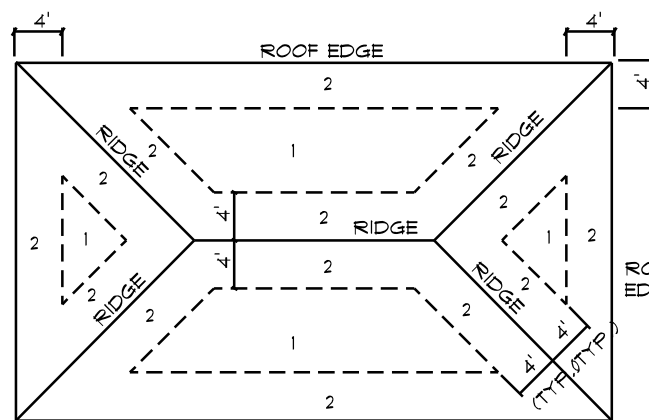
SCALE: AS NOTED



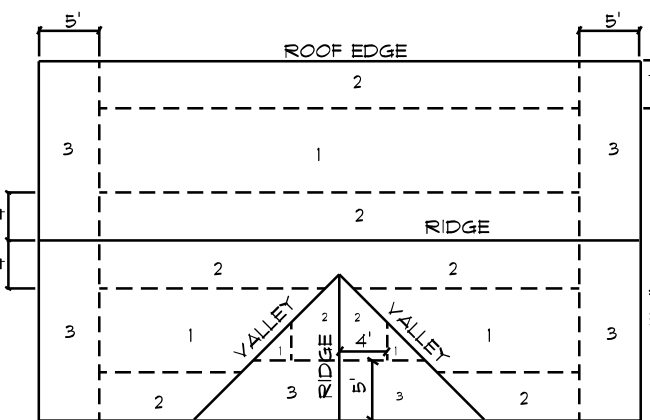
Roof Edge DETAIL

SCALE: NONE

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 15/32 CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 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



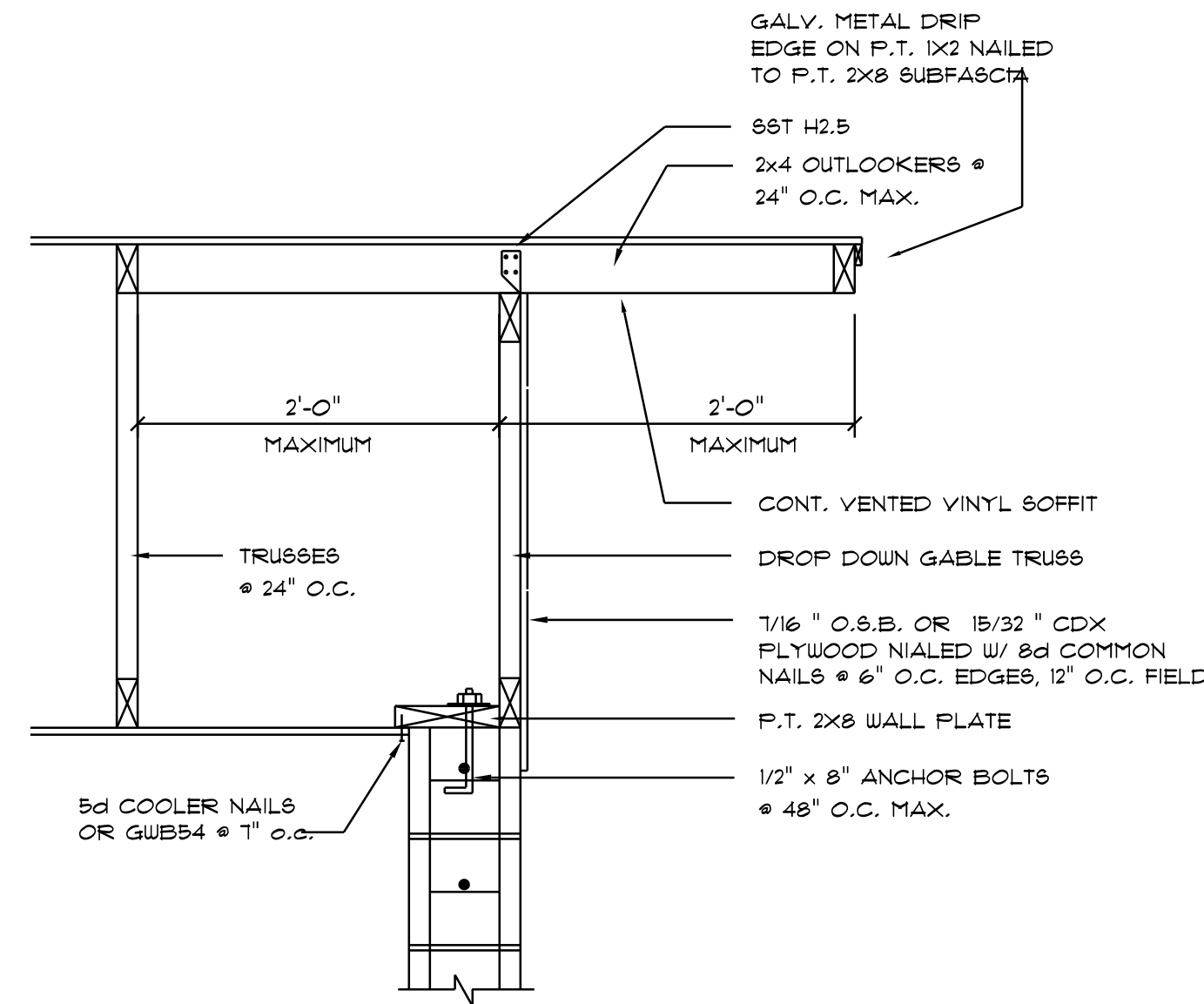
ROOF SHEATHING NAILING ZONES (HIP ROOF)



ROOF SHEATHING NAILING ZONES (GABLE ROOF)

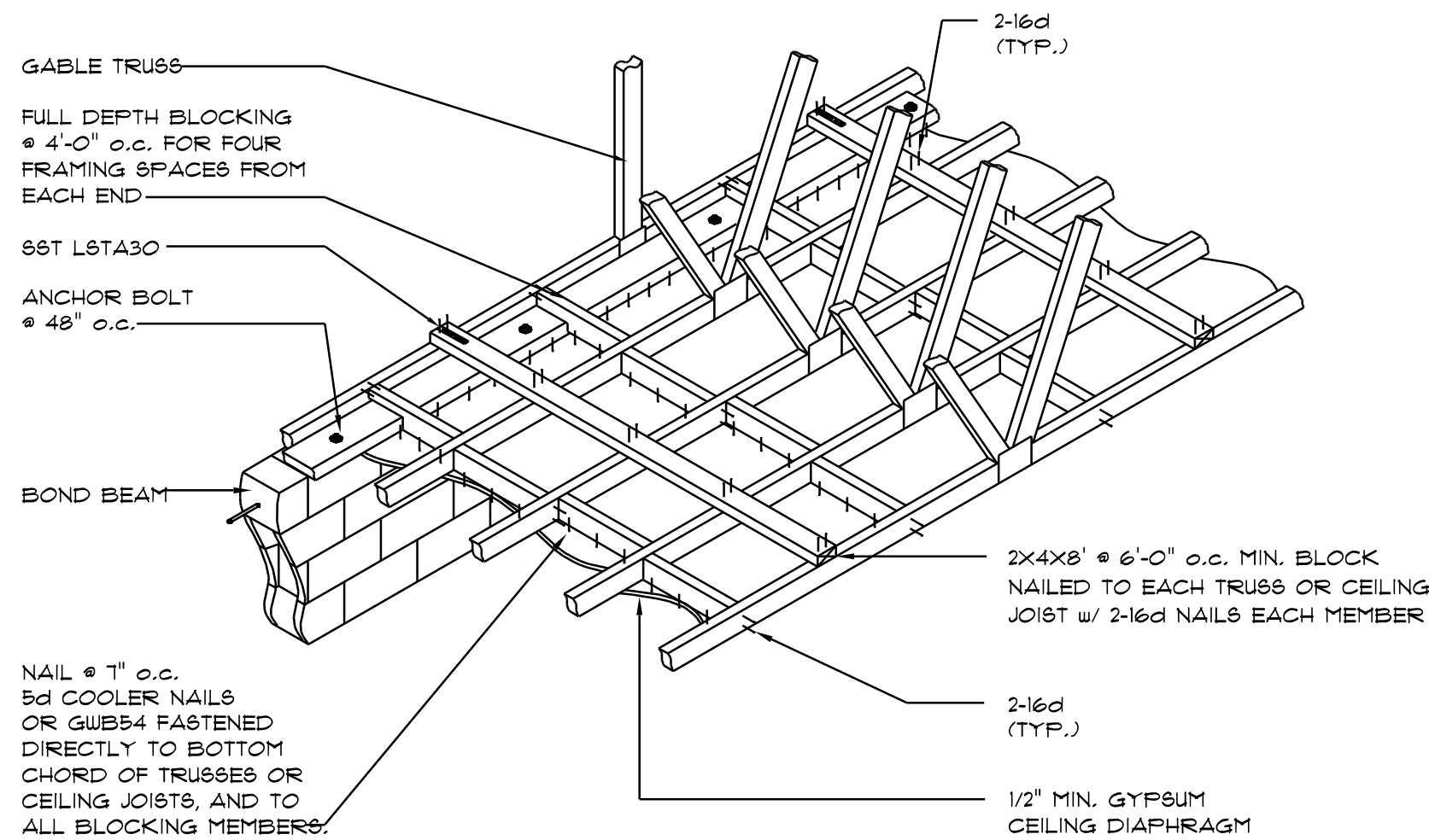
Roof Nail Pattern DET.

SCALE: NONE



Gable End DETAIL

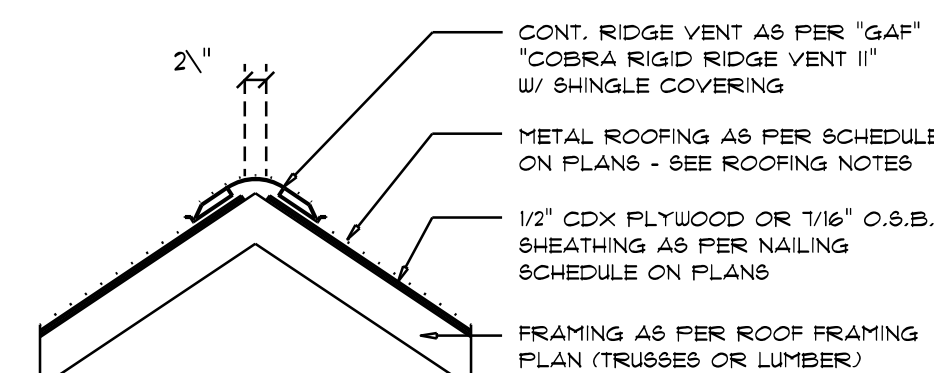
SCALE: NONE



DIRECT TRUSS TO MASONRY CONNECTION ENDWALL FOR GYPSUM CEILING DIAPHRAGM

SCALE: NONE

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	490 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	510 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.



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

Ridge Vent DETAIL

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

REVISIONS	
Apr. 7th, 2022	

CUSTOM HOME FOR:
LITTLE RESIDENCE
1542 Little Rd. Lake City, FL 32024

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

SHEET NUMBER
S.3
OF 4 SHEETS

Nicholas P. Geisler
Digitally signed by Nicholas P. Geisler
DN: CN = Nicholas P. Geisler, email = ngeisler47@gmail.com, C = US, O = Nicholas P. Geisler
Date: 2022.04.22 10:28:29 -0500

AR0007005

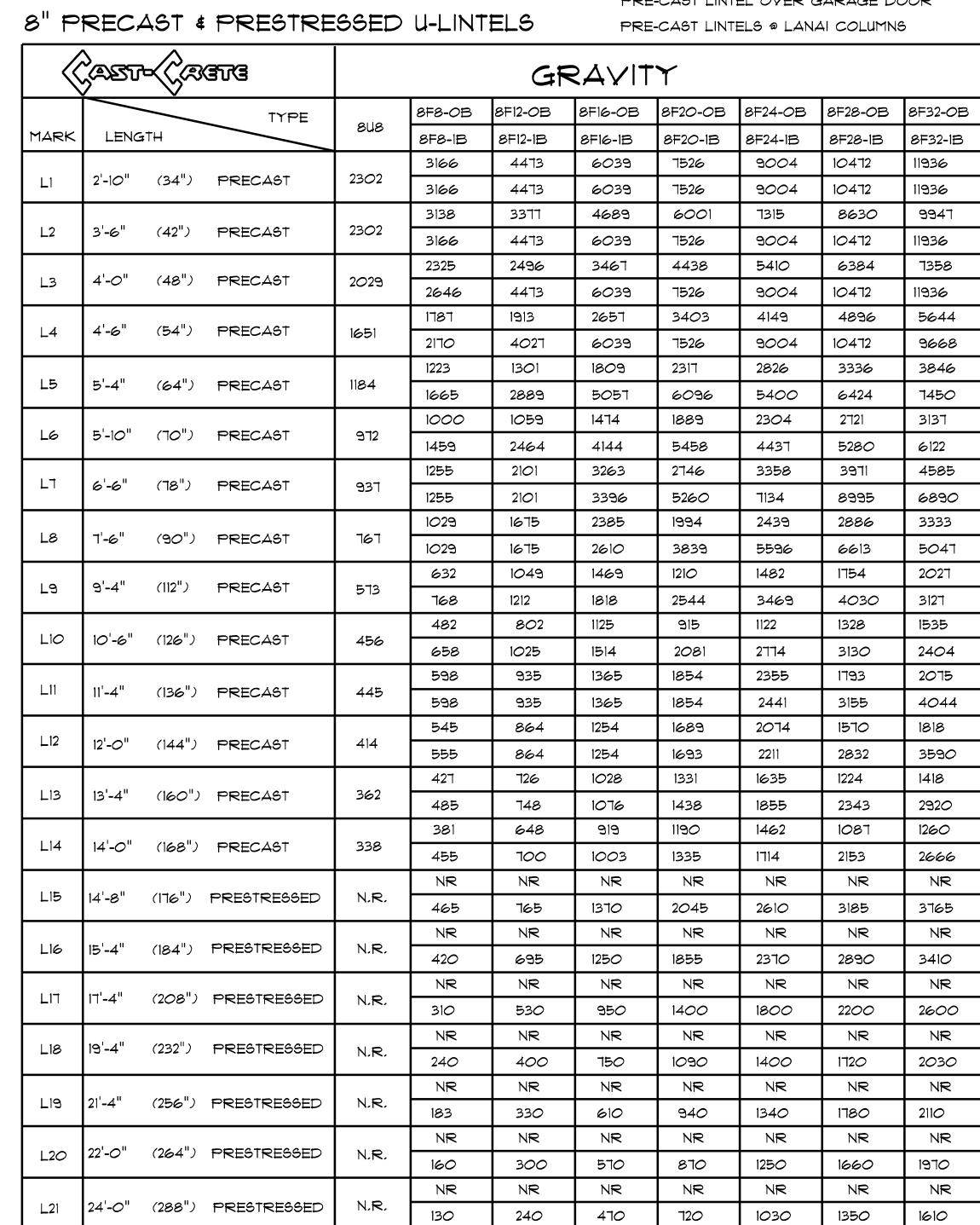
CUSTOM HOME FOR:
LITTLE RESIDENCE
1542 Little Rd, Lake City, FL 32024

SHEET NUMBER
S.4
OF 4 SHEETS

Nicholas
P.
Geisler

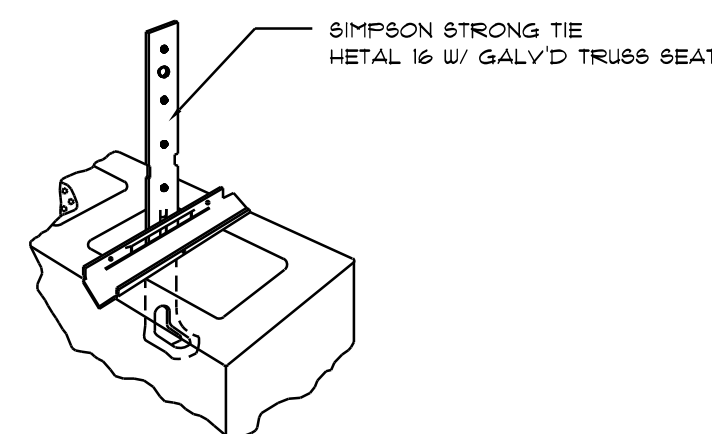
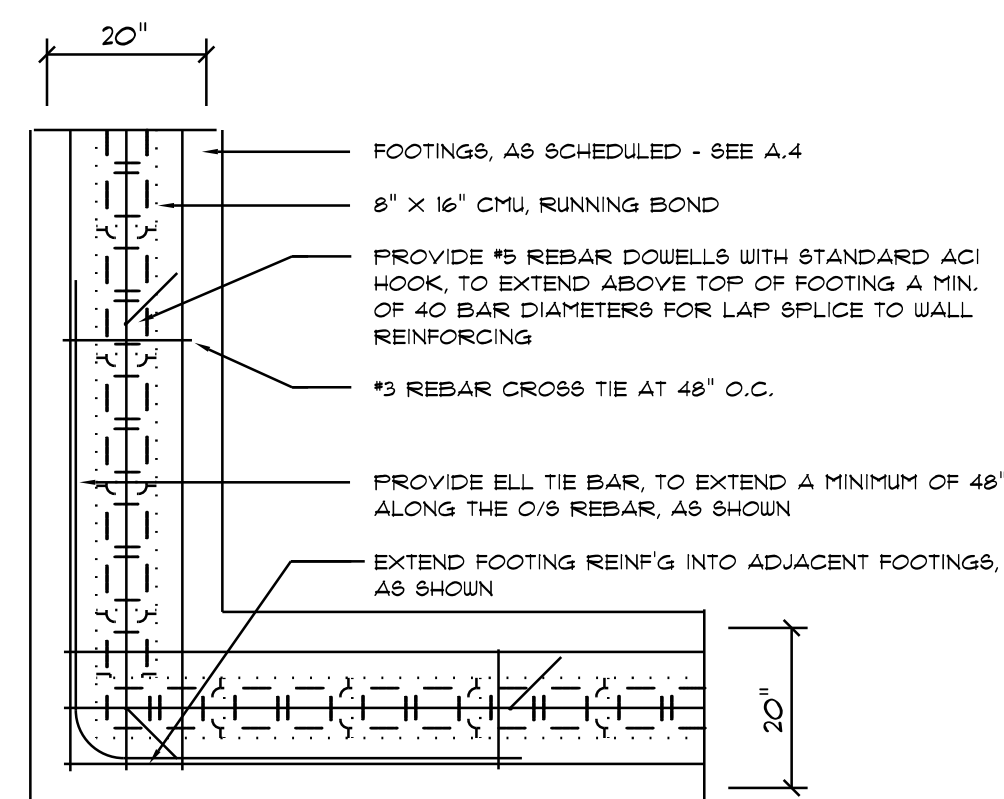
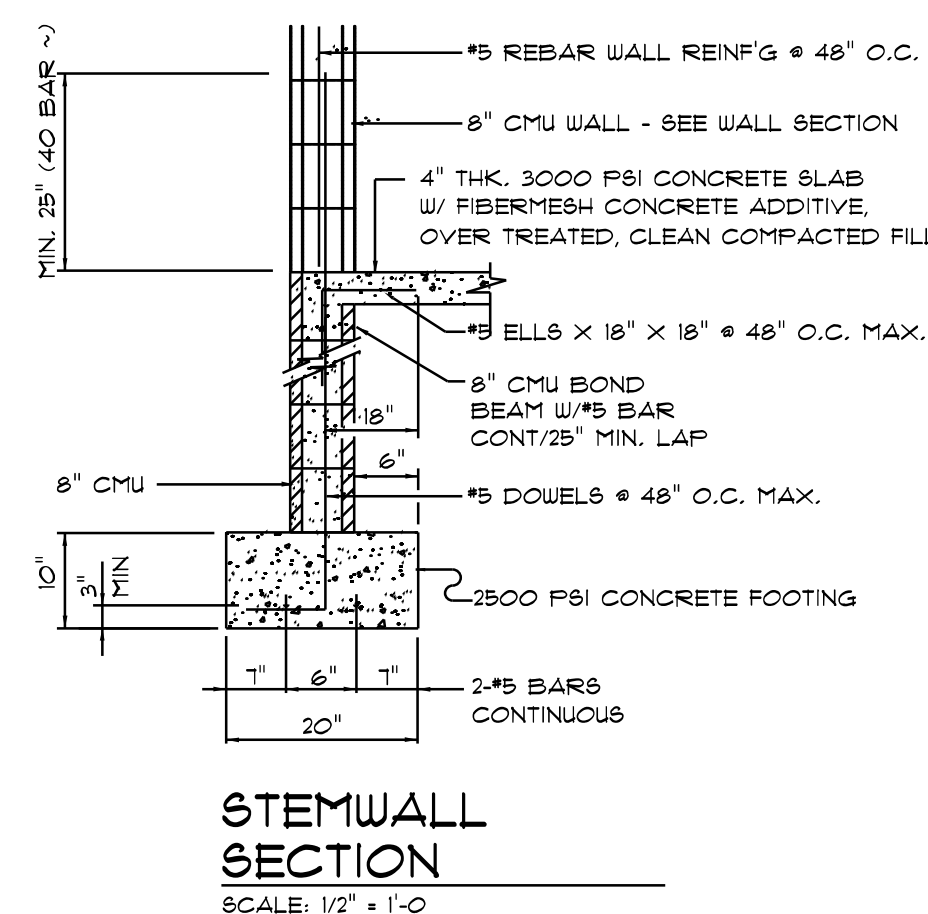
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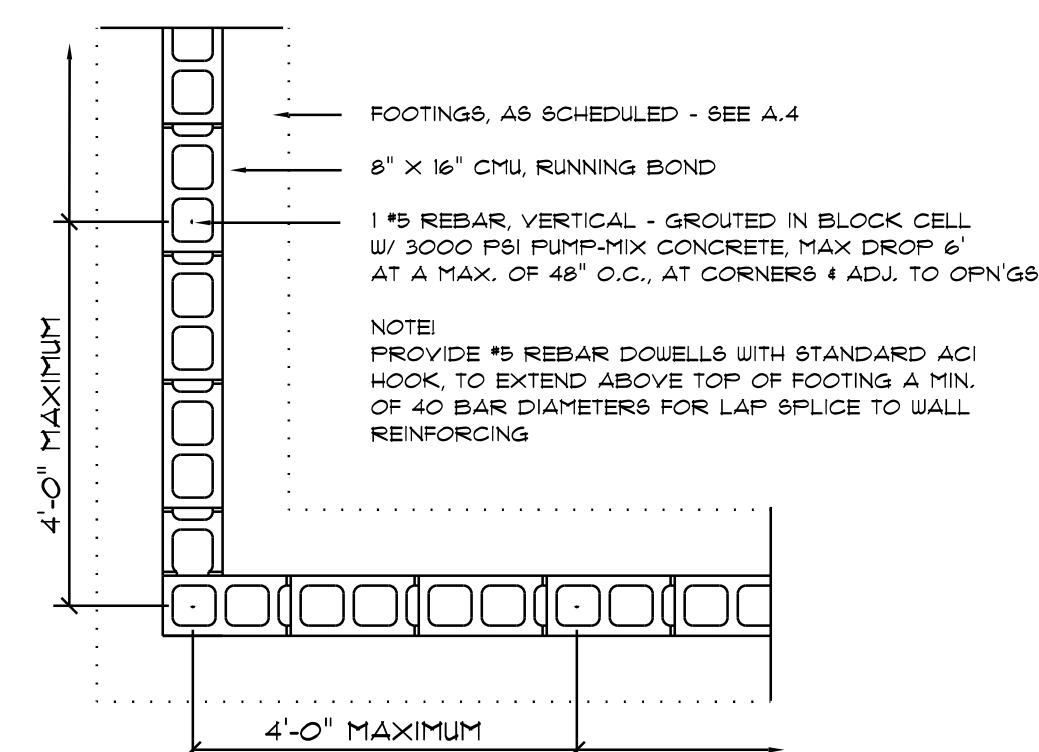
NOTE:
REFER TO GENERAL NOTES FOR LAP SPLICE AND HOOK
MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

NOTE:
ALL BLOCK CELLS CONTAINING VERTICAL REINFORCING, SHALL
BE SOLIDLY FILLED WITH CONCRETE - SEE GENERAL NOTES



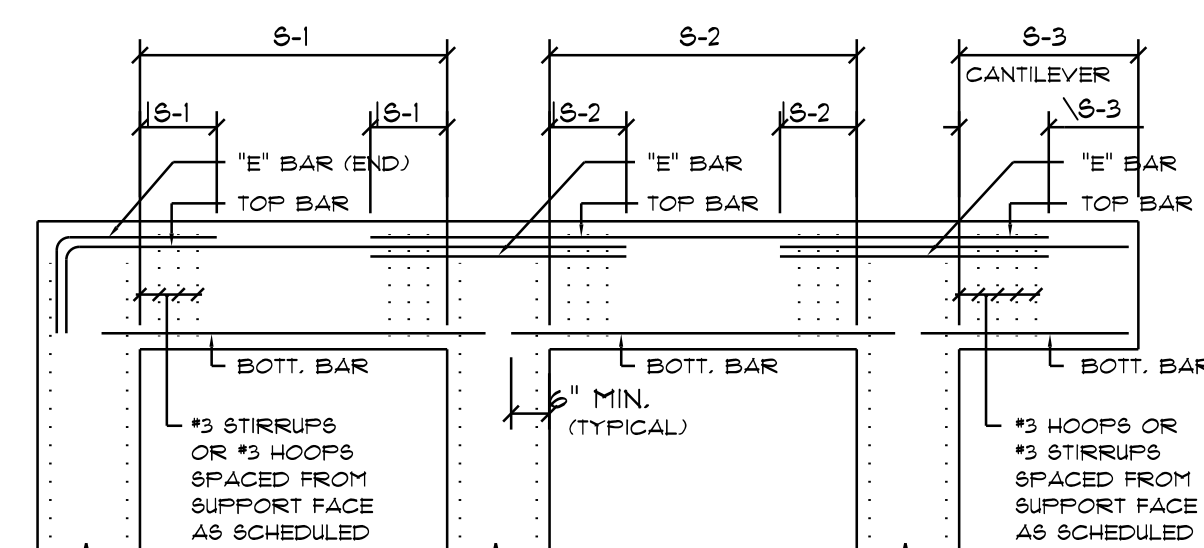
Truss Anchor DETAIL

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



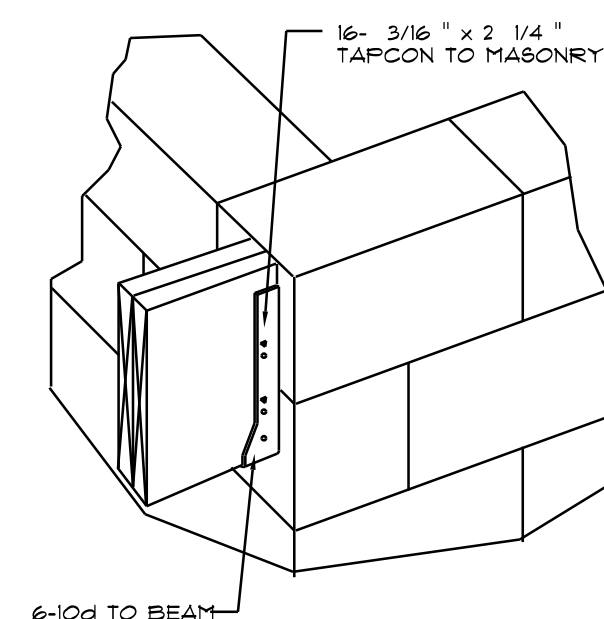
Wall/Foundation
Reinf'g DETAIL

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



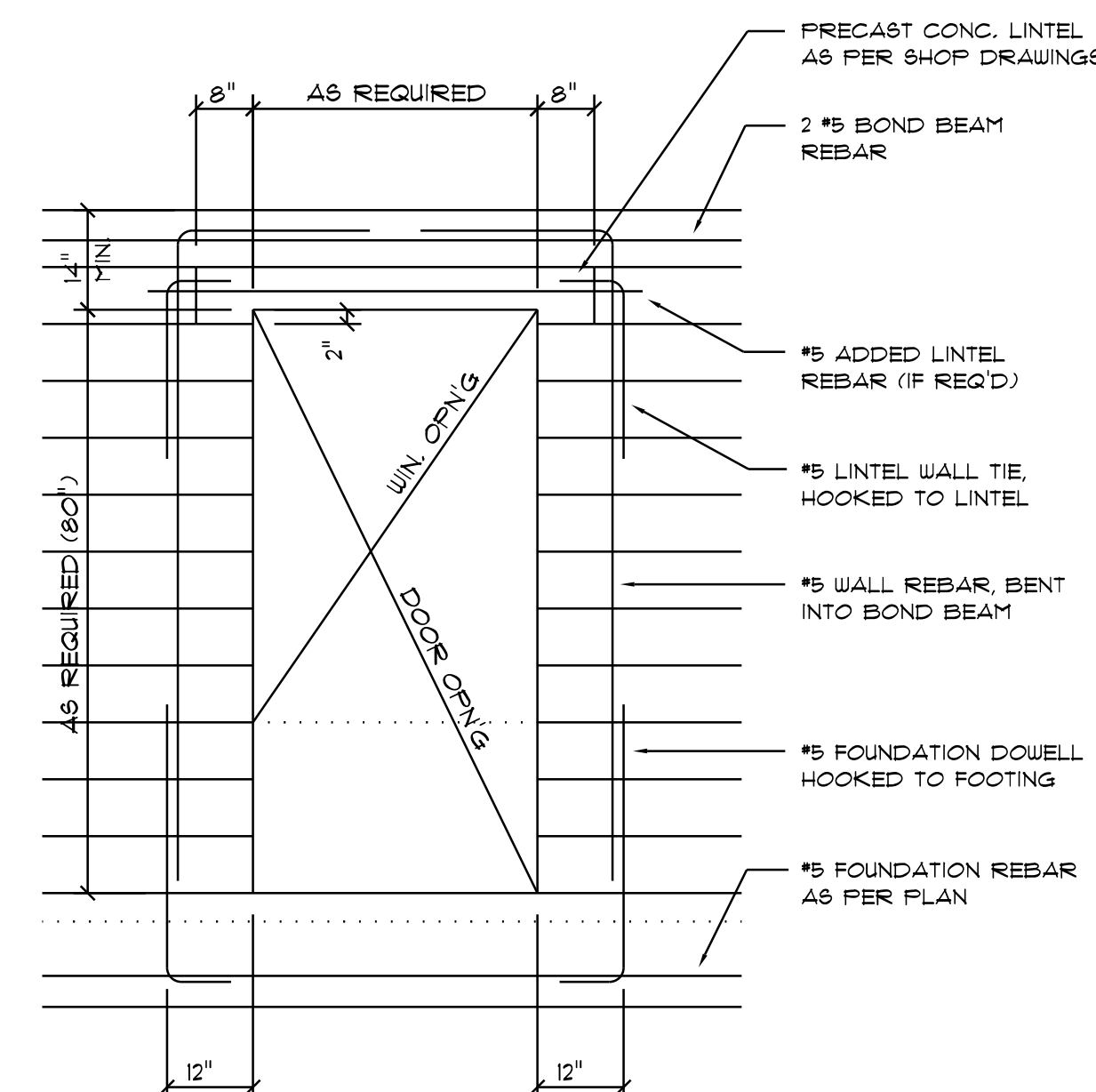
BOTTOM BARS - TOP BARS - "E" BARS
BENDING DIA.: CAST-IN-PLACE
CONCRETE BEAMS & SLABS

SCALE: NONE



"Simpson" HUSC410

SCALE: NONE
WOOD BEAM TO MASONRY



Typical Door/Window Opening Reinforcing DETAIL

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

NOTE!
REFER TO GENERAL NOTES FOR LAP SPlice AND HOOK
MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

CUSTOM HOME FOR:

LITTLE RESIDENCE

1542 Little Rd, Lake City, FL 32024

**NICHOLAS
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OF 4 SHEETS