

Roof Framing PLAN
SCALE: 1/4" = 1'-0"

NOTE:
ANCHOR GIRDERS (TRUSSES) TO HEADER
WITH 2 "BIMPTON" LGTS. 3 OR 4.
ANCHOR HEADER TO KING STUDS W/
2 "BIMPTON" LGTS. EA. END - 1" MIN. T.O.

NOTE:
REFER TO THE WINDOW/DOOR HEADER
SCHEDULE ON SHEET 8.4 FOR ALL
MINIMUM SIZE HEADERS AND ALTERNATES
MINIMUM SIZE ALLOWABLE IS 2x5x10.

ROOF PLAN NOTES

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
R-2 ALL OVERHANGS W/
JULIES THEREAFTER NOTED
R-3 PROVIDE ATTIC VENTILATION IN AC-
CORDANCE WITH SCHEDULE ON 8.3
R-4 SEE EXTERIOR ELEVATIONS AND FLOOR
PLANS TO VERIFY PLATE AND HILL HEIGHTS
R-5 MOVE ALL VENTS AND OTHER
ROOF PENETRATIONS TO REAR

NOTE:
8x16" ROOF W/ 1/2" CDX PLYWOOD PLACED
W/ LONG DIMENSION PERPENDICULAR TO THE
ROOF TRUSSES, SECURE TO FRAMING W/ 100 PPHENK
NAILS - AS PER DETAIL ON SHEET 8.4

NOTE:
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER 2023 FBC (18TH EDITION)
AND LOCAL JURISDICTION REQUIREMENTS

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

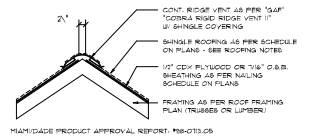
GENERAL TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE
WITH THE REQUIREMENTS OF THE NATIONAL TRUSS PRODUCT ASSOCIATION
MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST EDITION, ALONG
WITH 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., & TRUSSES 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
UP/LIFT REQUIREMENTS OF TRUSSES OR ANCHORS. 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.

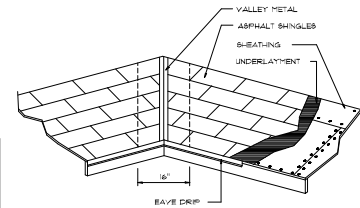
WOOD STRUCTURAL NOTES

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
BRACINGS OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-
LINES OF THE "TRUSS PLATE INSTITUTE".
2. 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".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL
BE NOT LESS THAN 4x12 HEY-PIK OR BETTER.
4. CONNECTIONS 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 CON-
NECTIONS.

AREA OF ATTIC	ASD L.F. OF VENT	NET FREE AREA OF INTAKE
1000 SF	30 LF	400 SQ. IN.
1500 SF	24 LF	480 SQ. IN.
2000 SF	24 LF	570 SQ. IN.
2500 SF	30 LF	480 SQ. IN.
3000 SF	36 LF	720 SQ. IN.
3500 SF	40 LF	800 SQ. IN.
4000 SF	44 LF	900 SQ. IN.



Ridge Vent DETAIL
SCALE: 3/4" = 1'-0"



**ROOFING METALS FOR FLASHING/ROOFING
MINIMUM THICKNESS REQUIREMENTS**

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (lb./sq. ft.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		36	
GALVANIZED STEEL	0.018	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.
SCALE: NONE

PROJECT COORDINATION REQUIREMENTS

NOTICE:
THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES
AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE LOCAL AND NATIONAL CODES,
RULES AND REGULATIONS, N.P. GEISLER ARCHITECT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE
STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA. AS WITH PARTICULAR SITE CONDITIONS, IT IS
THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT
COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE AND FEDERAL), IF YOUR CITY
OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, YOU WILL NEED
TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENSED PROFESSIONAL ENGINEER.

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

REVISIONS
January 23, 2024

SOUTHMAN

ROOF PLAN
1/4" = 1'-0"

MODEL 1841 FOR
PETER & ANNA LEV
PROJECT ADDRESS: 158 SW KIMBERLY LANE, LAKE CITY, FLORIDA
LOT 2, KIMBERLY LANE

N.P. GEISLER
Architect
Digitally signed by N.P. GEISLER
DN: cn=N.P. GEISLER, o=US, ou=ARCHITECT
Date: 2024.01.23 17:39:19 -0500

ASCCO1005

2
NICHOLAS
PAUL
GEISLER
ARCHITECT
A.C.A. No. 12456
1728 NW Brown Rd.
Fort Lauderdale, FL 33305
(954) 586-4333

JOB NUMBER
20230131

SHEET NUMBER
S.2
OF 4 SHEETS

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable & Hip Construction, Wood Trusses @ 24" O.C.
Walls: 2x 4 Wood Studs @ 16" O.C.
Floor: 4" TH. Concrete Slab W/ 4# rebar @ 24" O.C. ea. way.
Foundation: Continuous monolithic footing or Stem Wall Foundation system

ROOF DECKING

Material: 1/2" CD Plywood or O.S.B.
Sheet Size: 48'x96' Sheets Perpendicular to Roof Framing
Fasteners: 10d Common or ring-shank nails per schedule on sheet S.4

SHEARWALLS

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48'x96' Sheets Parallel Vertical, stagger each sheet.
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Diaphragm: Double Top Plates (3 x P) W/ 16d Nails @ 12" O.C.
Wall Studs: 2x4 Wood Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" x30" Bolts @ 48" O.C. - 1st Bolt 17" from corner
Corner H&H-Steel Device: (1) DT22 (or equiv.) @ each corner
Porch Column Base Connector: 8d Common ABU48UB6 @ each column
Porch Column to Beam Connector: Simpson EP44PC44 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 20" x 10" Cont. W/ (2) #5 Bars Cont. on chaise or (1) #5 Transverse @ 24" O.C.
Stemwall: 8" C.M.L. W/ #5 Vertical Down @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE (18TH EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- UNIFORM LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "C"
BASED ON ANH/ASCE 7-10, 2020 FBC MIN-AIR VELOCITY: $V_{50} = 150$ MPH
 $V_{100} = 161$ MPH
- ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 30 PSF
- FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS: 40 PSF
RESIDENTIAL BALCONIES: 60 PSF
- WIND UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

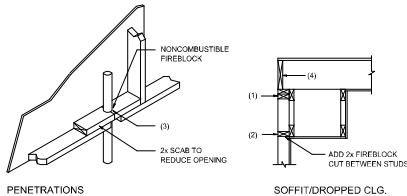
SOIL CHEMICAL BARRIER METHOD

- 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 18B.2.2
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 18B3.4.4
- IRRIGATIONS/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 18B3.4.4
- 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 18B3.1.6
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 18B.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 18B6.1.2
- 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 18B6.1.3
- MINIMUM 1/4" MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL INFILTRATION. IF RAINFALL OCCURS BEFORE VAPOR RET. ORDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 18B6.1.4
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 18B6.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 18B6.1.5
- 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 18B6.1.6
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 18B6.1.7
- 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 SUBTERNEAN INFECTIONS. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 18B6.1.7
- 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 STAMPS, TUB TRAP BOXES, FORMS, SHIPING 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

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFACTURER MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS	963F
GRIDER TRUSS TO POST/HEADER:	SIMPSON LGT. W/ 2B - 10d NAILS	1785F
HEADER TO KING STUD(S):	SIMPSON ST22	1370F
PLATE TO STUD:	SIMPSON SP2	1365F
STUD TO SILL:	SIMPSON SP1	585F
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700F
PORCH POST TO FUND:	SIMPSON ABU44	2200F
MISC. JOINTS	SIMPSON A34	3156/240F

- 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: "SEMKO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818.15
- NOTE: "SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1125.11, #99-0523.04
SBCT1 NER-443, NER-393




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 INTERCONNECTS 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 "PYROPLAN, MULTIFLEX SEALANT"
 - AT ALL INTERCONNECTS 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

												BUILDING COMPONENTS & CLADDING LOADS											
												MEAN BUILDING HEIGHT + 30.0', EXPOSURE "B"											
												ROOF ANGLE 21° TO 45°											
ZONE	AREA	W	H	S	VUL		VUL		VUL		VUL												
					10 MPH	15 MPH	10 MPH	15 MPH	10 MPH	15 MPH	10 MPH	15 MPH											
ROOF 1° TO 45°	10/1	Flat	Neg.	Flat	Neg.	Flat	Neg.	Flat	Neg.	Flat	Neg.												
												10 MPH	15 MPH	10 MPH	15 MPH	10 MPH	15 MPH	10 MPH	15 MPH				
WALL	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												
	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0												

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING				
BLDG HEIGHT (ft)	EXPOSURE 'B'	EXPOSURE 'C'	EXPOSURE 'D'	
80	1.2	1.4	1.4	
60	1.3	1.5	1.5	
40	1.4	1.6	1.6	

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING				
BUILDING HEIGHT (ft.)	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"	EXPOSURE "E"
15	.82	.75	.68	.62
20	.85	.78	.71	.65
25	.88	.81	.74	.68
30	.91	.84	.77	.71

General Roofing NOTES:

- DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.
- SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DL UNDERLAYMENT IS REQUIRED.
- UNDERLAYMENT:
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4866, TYPE 1.
- SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF-ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.
- ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.
- FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS. MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.
- ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED, UNLESS OTHERWISE NOTED. ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR MDG PA 107-85.

- UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 2:12 TO 4:12, 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 TO THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
2. 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 SLOPES 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 OF EITHER CORROSION RESISTANT METAL OR MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 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 ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:
1. FOR 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 1907.3.3.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 16 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. FOR 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 AND COMPLYING WITH ASTM D 1970.

- NOTE !!!
ROOFSHINGLES SHALL BE AS MANUFACTURED BY "TAMKO ROOFING PRODUCTS" OF THE FOLLOWING MODEL S:
- 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 1 MODIFIED TO 110 MPH WINDS & FBC TAS "100, USING 4 NAILS/SHINGLE.

REVISIONS
January 23, 2024

SOFTPLAN

DETAILS SHEET
SCALE
1/8" = 1'-0"

MODEL 1841 FOR:
PETER & ANNA LEV
PROJECT ADDRESS: 105 SW AMBERLY LANE, LAKE CITY, FLORIDA 32817
LET EXPIRATION DATE:

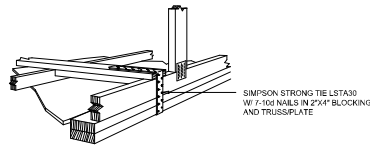
N. P. GEISLER
Display Specialty: N. P. Geisler, Inc.
784 Oak Hills, Fayetteville, GA 30804
404.0709.0000 FAX: 404.0709.0001
New York, NY 10011-4100

NICHOLAS
PAUL
GEISLER
A.C.C.A.R.E. Certified

JOB NUMBER
20230131

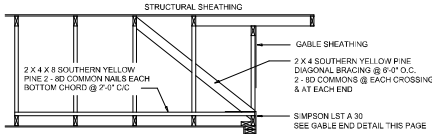
SHEET NUMBER
S.3
OF 4 SHEETS

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS



**GABLE END GYPSUM DIAPHRAGM
HOLDOWN CONNECTOR**
SCALE: NONE

A.1



**END WALL BRACING FOR
CEILING DIAPHRAGM**

NTS (ALTERNATIVE TO BALLOON FRAMING)
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

BUILDING COMPONENTS & CLADDING LOADS
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"
ROOF ANGLE 27° TO 45°

WIND SPEED (MPH)	WIND PRESSURE (PSF)	WIND SUCTION (PSF)		WIND PRESSURE (PSF)		WIND SUCTION (PSF)	
		Pos	Neg	Pos	Neg	Pos	Neg
15	0.10	-0.10	-0.10	0.10	-0.10	0.10	-0.10
20	0.16	-0.16	-0.16	0.16	-0.16	0.16	-0.16
25	0.22	-0.22	-0.22	0.22	-0.22	0.22	-0.22
30	0.29	-0.29	-0.29	0.29	-0.29	0.29	-0.29
35	0.36	-0.36	-0.36	0.36	-0.36	0.36	-0.36
40	0.43	-0.43	-0.43	0.43	-0.43	0.43	-0.43
45	0.50	-0.50	-0.50	0.50	-0.50	0.50	-0.50
50	0.57	-0.57	-0.57	0.57	-0.57	0.57	-0.57
55	0.64	-0.64	-0.64	0.64	-0.64	0.64	-0.64
60	0.71	-0.71	-0.71	0.71	-0.71	0.71	-0.71
65	0.78	-0.78	-0.78	0.78	-0.78	0.78	-0.78
70	0.85	-0.85	-0.85	0.85	-0.85	0.85	-0.85
75	0.92	-0.92	-0.92	0.92	-0.92	0.92	-0.92
80	0.99	-0.99	-0.99	0.99	-0.99	0.99	-0.99
85	1.06	-1.06	-1.06	1.06	-1.06	1.06	-1.06
90	1.13	-1.13	-1.13	1.13	-1.13	1.13	-1.13
95	1.20	-1.20	-1.20	1.20	-1.20	1.20	-1.20
100	1.27	-1.27	-1.27	1.27	-1.27	1.27	-1.27
105	1.34	-1.34	-1.34	1.34	-1.34	1.34	-1.34
110	1.41	-1.41	-1.41	1.41	-1.41	1.41	-1.41
115	1.48	-1.48	-1.48	1.48	-1.48	1.48	-1.48
120	1.55	-1.55	-1.55	1.55	-1.55	1.55	-1.55
125	1.62	-1.62	-1.62	1.62	-1.62	1.62	-1.62
130	1.69	-1.69	-1.69	1.69	-1.69	1.69	-1.69
135	1.76	-1.76	-1.76	1.76	-1.76	1.76	-1.76
140	1.83	-1.83	-1.83	1.83	-1.83	1.83	-1.83
145	1.90	-1.90	-1.90	1.90	-1.90	1.90	-1.90
150	1.97	-1.97	-1.97	1.97	-1.97	1.97	-1.97
155	2.04	-2.04	-2.04	2.04	-2.04	2.04	-2.04
160	2.11	-2.11	-2.11	2.11	-2.11	2.11	-2.11
165	2.18	-2.18	-2.18	2.18	-2.18	2.18	-2.18
170	2.25	-2.25	-2.25	2.25	-2.25	2.25	-2.25
175	2.32	-2.32	-2.32	2.32	-2.32	2.32	-2.32
180	2.39	-2.39	-2.39	2.39	-2.39	2.39	-2.39
185	2.46	-2.46	-2.46	2.46	-2.46	2.46	-2.46
190	2.53	-2.53	-2.53	2.53	-2.53	2.53	-2.53
195	2.60	-2.60	-2.60	2.60	-2.60	2.60	-2.60
200	2.67	-2.67	-2.67	2.67	-2.67	2.67	-2.67
205	2.74	-2.74	-2.74	2.74	-2.74	2.74	-2.74
210	2.81	-2.81	-2.81	2.81	-2.81	2.81	-2.81
215	2.88	-2.88	-2.88	2.88	-2.88	2.88	-2.88
220	2.95	-2.95	-2.95	2.95	-2.95	2.95	-2.95
225	3.02	-3.02	-3.02	3.02	-3.02	3.02	-3.02
230	3.09	-3.09	-3.09	3.09	-3.09	3.09	-3.09
235	3.16	-3.16	-3.16	3.16	-3.16	3.16	-3.16
240	3.23	-3.23	-3.23	3.23	-3.23	3.23	-3.23
245	3.30	-3.30	-3.30	3.30	-3.30	3.30	-3.30
250	3.37	-3.37	-3.37	3.37	-3.37	3.37	-3.37
255	3.44	-3.44	-3.44	3.44	-3.44	3.44	-3.44
260	3.51	-3.51	-3.51	3.51	-3.51	3.51	-3.51
265	3.58	-3.58	-3.58	3.58	-3.58	3.58	-3.58
270	3.65	-3.65	-3.65	3.65	-3.65	3.65	-3.65
275	3.72	-3.72	-3.72	3.72	-3.72	3.72	-3.72
280	3.79	-3.79	-3.79	3.79	-3.79	3.79	-3.79
285	3.86	-3.86	-3.86	3.86	-3.86	3.86	-3.86
290	3.93	-3.93	-3.93	3.93	-3.93	3.93	-3.93
295	4.00	-4.00	-4.00	4.00	-4.00	4.00	-4.00
300	4.07	-4.07	-4.07	4.07	-4.07	4.07	-4.07
305	4.14	-4.14	-4.14	4.14	-4.14	4.14	-4.14
310	4.21	-4.21	-4.21	4.21	-4.21	4.21	-4.21
315	4.28	-4.28	-4.28	4.28	-4.28	4.28	-4.28
320	4.35	-4.35	-4.35	4.35	-4.35	4.35	-4.35
325	4.42	-4.42	-4.42	4.42	-4.42	4.42	-4.42
330	4.49	-4.49	-4.49	4.49	-4.49	4.49	-4.49
335	4.56	-4.56	-4.56	4.56	-4.56	4.56	-4.56
340	4.63	-4.63	-4.63	4.63	-4.63	4.63	-4.63
345	4.70	-4.70	-4.70	4.70	-4.70	4.70	-4.70
350	4.77	-4.77	-4.77	4.77	-4.77	4.77	-4.77
355	4.84	-4.84	-4.84	4.84	-4.84	4.84	-4.84
360	4.91	-4.91	-4.91	4.91	-4.91	4.91	-4.91
365	4.98	-4.98	-4.98	4.98	-4.98	4.98	-4.98
370	5.05	-5.05	-5.05	5.05	-5.05	5.05	-5.05
375	5.12	-5.12	-5.12	5.12	-5.12	5.12	-5.12
380	5.19	-5.19	-5.19	5.19	-5.19	5.19	-5.19
385	5.26	-5.26	-5.26	5.26	-5.26	5.26	-5.26
390	5.33	-5.33	-5.33	5.33	-5.33	5.33	-5.33
395	5.40	-5.40	-5.40	5.40	-5.40	5.40	-5.40
400	5.47	-5.47	-5.47	5.47	-5.47	5.47	-5.47
405	5.54	-5.54	-5.54	5.54	-5.54	5.54	-5.54
410	5.61	-5.61	-5.61	5.61	-5.61	5.61	-5.61
415	5.68	-5.68	-5.68	5.68	-5.68	5.68	-5.68
420	5.75	-5.75	-5.75	5.75	-5.75	5.75	-5.75
425	5.82	-5.82	-5.82	5.82	-5.82	5.82	-5.82
430	5.89	-5.89	-5.89	5.89	-5.89	5.89	-5.89
435	5.96	-5.96	-5.96	5.96	-5.96	5.96	-5.96
440	6.03	-6.03	-6.03	6.03	-6.03	6.03	-6.03
445	6.10	-6.10	-6.10	6.10	-6.10	6.10	-6.10
450	6.17	-6.17	-6.17	6.17	-6.17	6.17	-6.17
455	6.24	-6.24	-6.24	6.24	-6.24	6.24	-6.24
460	6.31	-6.31	-6.31	6.31	-6.31	6.31	-6.31
465	6.38	-6.38	-6.38	6.38	-6.38	6.38	-6.38
470	6.45	-6.45	-6.45	6.45	-6.45	6.45	-6.45
475	6.52	-6.52	-6.52	6.52	-6.52	6.52	-6.52
480	6.59	-6.59	-6.59	6.59	-6.59	6.59	-6.59
485	6.66	-6.66	-6.66	6.66	-6.66	6.66	-6.66
490	6.73	-6.73	-6.73	6.73	-6.73	6.73	-6.73
495	6.80	-6.80	-6.80	6.80	-6.80	6.80	-6.80
500	6.87	-6.87	-6.87	6.87	-6.87	6.87	-6.87
505	6.94	-6.94	-6.94	6.94	-6.94	6.94	-6.94
510	7.01	-7.01	-7.01	7.01	-7.01	7.01	-7.01
515	7.08	-7.08	-7.08	7.08	-7.08	7.08	-7.08
520	7.15	-7.15	-7.15	7.15	-7.15	7.15	-7.15
525	7.22	-7.22	-7.22	7.22	-7.22	7.22	-7.22
530	7.29	-7.29	-7.29	7.29	-7.29	7.29	-7.29
535	7.36	-7.36	-7.36	7.36	-7.36	7.36	-7.36
540	7.43	-7.43	-7.43	7.43	-7.43	7.43	-7.43
545	7.50	-7.50	-7.50	7.50	-7.50	7.50	-7.50
550	7.57	-7.57	-7.57	7.57	-7.57	7.57	-7.57
555	7.64	-7.64	-7.64	7.64	-7.64	7.64	-7.64
560	7.71	-7.71	-7.71	7.71	-7.71	7.71	-7.71
565	7.78	-7.78	-7.78	7.78	-7.78	7.78	-7.78
570	7.85	-7.85	-7.85	7.85	-7.85	7.85	-7.85
575	7.92	-7.92	-7.92	7.92	-7.92	7.92	-7.92
580	7.99	-7.99	-7.99	7.99	-7.99	7.99	-7.99
585	8.06	-8.06	-8.06	8.06	-8.06	8.06	-8.06
590	8.13	-8.13	-8.13	8.13	-8.13	8.13	-8.13
595	8.20	-8.20	-8.20	8.20	-8.20	8.20	-8.20
600	8.27	-8.27	-8.27	8.27	-8.27	8.27	-8.27
605	8.34	-8.34	-8.34	8.34	-8.34	8.34	-8.34
610	8.41	-8.41	-8.41	8.41	-8.41	8.41	-8.41
615	8.48	-8.48	-8.48	8.48	-8.48	8.48	-8.48
620	8.55	-8.55	-8.55	8.55	-8.55	8.55	-8.55
625	8.62	-8.62	-8.62	8.62	-8.62	8.62	-8.62
630	8.69	-8.69	-8.69	8.69	-8.69	8.69	-8.69
635	8.76	-8.76	-8.76	8.76	-8.76	8.76	-8.76
640	8.83	-8.83	-8.83	8.83	-8.83	8.83	-8.83
645	8.90	-8.90	-8.90	8.90	-8.90	8.90	-8.90
650	8.97	-8.97	-8.97	8.97	-8.97	8.97	-8.97
655	9.04	-9.04	-9.04	9.04	-9.04	9.04	-9.04
660	9.11	-9.11	-9.11	9.11	-9.11	9.11	-9.11
665	9.18	-9.18	-9.18	9.18	-9.18	9.18	-9.18
670	9.25	-9.25	-9.25	9.25	-9.25	9.25	-9.25
675	9.32	-9.32	-9.32	9.32	-9.32	9.32	-9.32
680	9.39	-9.39	-9.39	9.39	-9.39	9.39	-9.39
685	9.46	-9.46	-9.46	9.46	-9.46	9.46	-9.46
690	9.53	-9.53	-9.53	9.53	-9.53	9.53	-9.53
695	9.60	-9.60	-9.60	9.60	-9.60	9.60	-9.60
700	9.67	-9.67	-9.67	9.67	-9.67	9.67	-9.67
705	9.74	-9.74	-9.74	9.74	-9.74	9.74	-9.74
710	9.81	-9.81	-9.81	9.81	-9.81	9.81	-9.81
715	9.88	-9.88	-9.88	9.88	-9.88	9.88	-9.88
720	9.95	-9.95	-9.95	9.95	-9.95	9.95	-9.95
725	10.02	-10.02	-10.02	10.02	-10.02	10.02	-10.02
730	10.09	-10.09	-10.09	10.09	-10.09	10.09	-10.09
735	10.16	-10.16	-10.16	10.16	-10.16	10.16	-10.16
740	10.23	-10.23	-10.23	10.23	-10.23	10.23	-10.23
745	10.30	-10.30	-10.30	10.30	-10.30	10.30	-10.30
750	10.37	-10.37	-10.37	10.37	-10.37	10.37	-10.37
755	10.44	-10.44	-10.44	10.44	-10.44	10.44	-10.44
760	10.51	-10.51	-10.51	10.51	-10.51	10.51	-10.51
765	10.58	-10.58	-10.58	10.58	-10.58	10.58	-10.58
770	10.65	-10.65	-10.65	10.65	-10.65	10.65	-10.65
775	10.72	-10.72	-10.72	10.72	-10.72	10.72	-10.72
780	10.79	-10.79	-10.79	10.79	-10.79	10.79	-10.79
785	10.86	-10.86	-10.86	10.86	-10.86	10.86	-10.86
790	10.93	-10.93	-10.93	10.93	-10.93	10.93	-10.93
795	11.00	-11.00	-11.00	11.00	-11.00	11.00	-11.00
800	11.07	-11.07	-11.07	11.07	-11.07	11.07	-11.07
805	11.14	-11.14	-11.14	11.14	-11.14	11.14	-11.14
810	11.21	-11.21	-11.21	11.			