

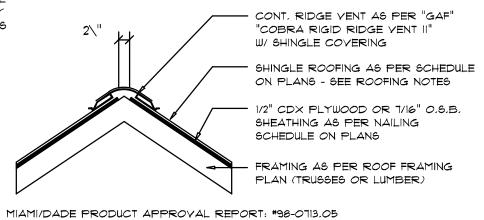
#### WOOD STRUCTURAL NOTES

TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED, TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE".



- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
- 4. CONNECTORS FOR WOOD FRAMING SHALL BE GALYANIZED 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,
- 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 IT'S 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, 4 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 REQUIRMENTS 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

  - PLANS TO VERIFY PLATE AND HEEL HEIGHTS



ATTIC

1900 SF

2200 SF

2500 SF

3100 SF

1600 SF 20 LF

2800 SF 36 LF

3600 SF | 44 LF

AREA OF REQ'D L.F. NET FREE

AREA OF

410 SQ.IN.

490 SQ.IN

570 SQ.IN.

1 730 SQ.IN.

820 SQ.IN.

B

650 SQ.IN.

INTAKE

OF VENT

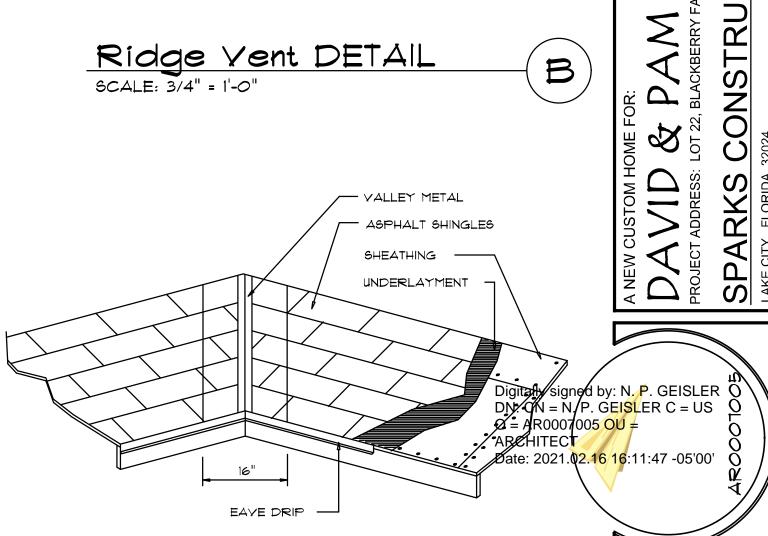
24 LF

28 LF

32 LF

40 LF

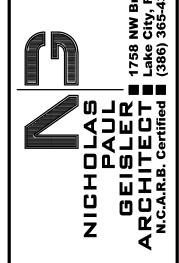
## Ridge Vent DETAIL 6CALE: 3/4" = 1'-0"



YALLEY FLASHING

			1
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGH
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	erio,o	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027	COATED G90)	40 20

Roofing/Flashing DETS.



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JOB NUMBER 2020502

SHEET NUMBER

**S.2** OF 4 SHEETS Compliance Summary

#### TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Trusses @ 24" O.C.

Walls: 2x 4 or 2x 6 Wood Studs @ 16" O.C.

Floor: 4" Thk. Concrete Slab W/ #4 rebar @ 24" O.C. ea. way.

Foundation: Continuous monolithic footing or /Stem Wall foundation system

#### ROOF DECKING

Material: 5/8" CD Plywood or O.S.B.

Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d 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 Placed Vertical, stagger each sheet.
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Dragstrut: Double Top Plate (S.Y.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" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner

Corner Hold-down Device: (1) DTT2Z (or equiv.) @ each corner

Porch Column Base Connector: Simpson ABU66/ABU66 @ each column

Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column

#### FOOTINGS AND FOUNDATIONS

Footing: 20"x 12" Cont. W/ (2) #5 Bars Cont. on chairs or (1) #3 Transverse @ 24" O.C. Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE (TH EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS, ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

2. WIND LOAD CRITERIA: RISK CATAGORY: 2, EXPOSURE: "C"

BASED ON ANSI/ASCE 1-10. 2020 FBC 1609-A WIND VELOCITY:  $Y_{ULT}$  = 130 MPH  $Y_{ASD}$  = 101 MPH

...... 60 PSF

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

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

#### TERMITE PROTECTION NOTES:

#### SOIL CHEMICAL BARRIER METHOD:

BALCONIES

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 1816.1.1

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

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 1816.1.3

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 1816.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6

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 1816.1.6

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7

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 1816.1.7

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 MANUF'R/MODEL CAP. TRUSS TO WALL: SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS 960# GIRDER TRUSS TO POST/HEADER: SIMPSON LGT, W/ 28 - 16d NAILS 1785# HEADER TO KING STUD(S): SIMPSON ST22 1370# SIMPSON SP2 1065# PLATE TO STUD: STUD TO SILL: SIMPSON SP1 585# SIMPSON PC44/EPC44 PORCH BEAM TO POST: 1700# PORCH POST TO FND.: SIMPSON ABU44 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.

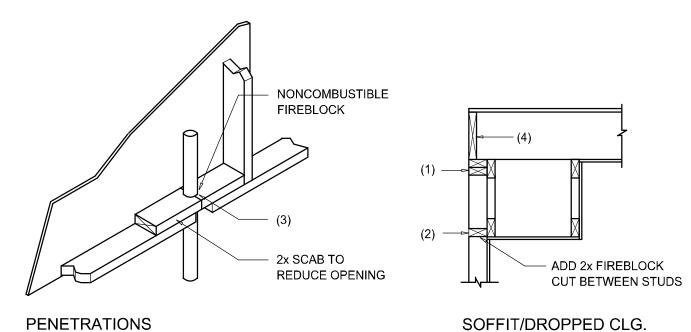
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

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

SBCC1 NER-443, NER-393

NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04



#### FIREBLOCKING NOTES:

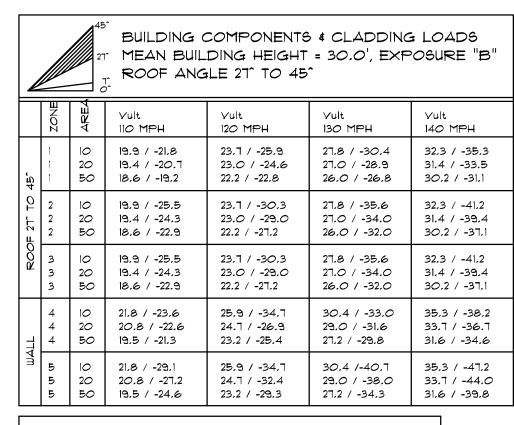
**SCALE: NONE** 

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

- 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
- 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- 3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
- 4. 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





HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING						
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"			
15 20 25 30	1.00 1.00 1.00 1.00	1.21 1.29 1.35 1.40	1.47 1.55 1.61 1.66			

4	BUILDING COMPONENTS & CLADDING LOADS  MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"  ROOF ANGLE T' TO 2T'							
	ZONE	AREA	Yult 110 MPH	Vult 120 MPH	Vult 130 MPH	Yult 140 MPH		
27.	1 1 1	10 20 50	12.0 / -19.9 11.4 / -19.4 10.0 / -18.6	14.9 / -23.7 13.6 / -23.0 11.9 / -22.2	17.5 / -27.8 16.0 / -27.0 13.9 / -26.0	20.3 / -32.3 18.5 / -31.4 16.1 / -30.2		
7 70	2 2 2	g & 0	12.5 / -34.7 11.4 / -31.9 10.0 / -28.2	14.9 / -41.3 13.6 / -38.0 11.9 / -33.6	17.5 / -48.4 16.0 / -44.6 13.9 / -39.4	20.3 / -56.2 18.5 / -51.7 16.1 / -45.7		
ROOR T	3 3 3	0 0 0 0	12.5 / -51.3 11.4 /-47.9 10.0 / -43.5	14.9 / -61.0 13.6 / -57.1 11.9 / -51.8	17.5 / -71.6 16.0 / -67.0 13.9 / -60.8	20.3 / -83.1 18.5 / -TT.T 16.1 / -T0.5		
MALL	4 4 4	10 20 50	21.8 / -23.6 20.8 / -22.6 19.5 / -21.3	25.9 / -34.7 24.7 / -26.9 23.2 / -25.4	30.4 / -33.0 29.0 / -31.6 27.2 / -29.8	35.3 / -38.2 33.7 / -36.7 31.6 / -34.6		
<b>₩</b>	5 5 5	10 20 50	21.8 / -29.1 20.8 / -27.2 19.5 / -24.6	25.9 / -34.7 24.7 / -32.4 23.2 / -29.3	30.4 /-40.7 29.0 / -38.0 27.2 / -34.3	35.3 / -47.2 33.7 / -44.0 31.6 / -39.8		

FOR BUILDING COMPONENTS & CLADDING						
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"			
15 20 25	1.00	1.21 1.29	1.47 1.55			

1.40

HEIGHT & EXPOSURE ADJUSTMENT COFFEIGIENTS

1.00

#### 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, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:

UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4869, 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 M-DC PA 107-95.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FORM 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 WITH 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 SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMU 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 SE

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF 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 1507.3.9.2.

2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ARCHITECT

Digitally signed by: N. P. GEISLER C = UB
O = AR 0007005 OU =

2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ARCHITECT
ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 Date: 2021.02.16 16:12:31 -05'06' INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.

3. FOR 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.

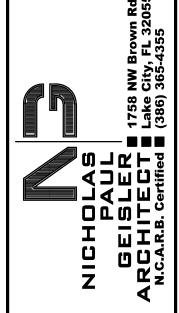
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

#### NOTE!!!

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



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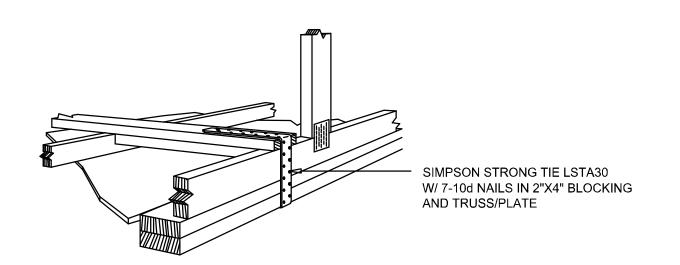
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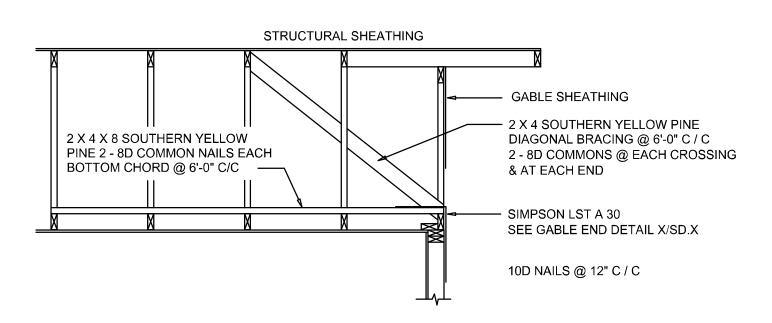
OF 4 SHEETS

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



## GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

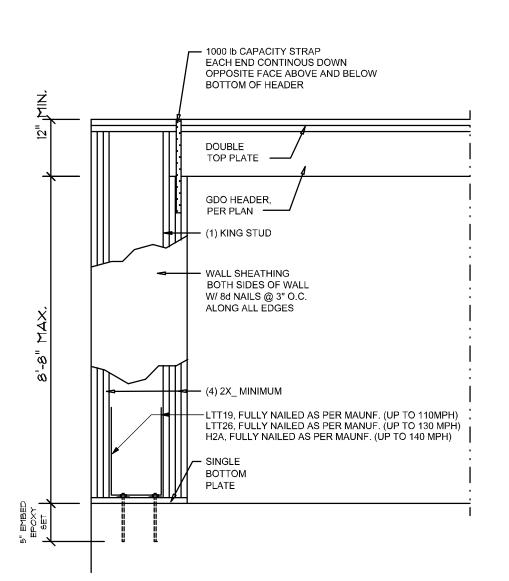


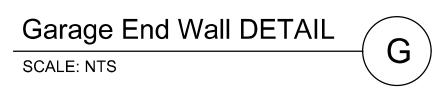
# END WALL BRACING FOR CEILING DIAPHRAGM

ITS (ALTERNATIVE TO BALLOON FRAMING)

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

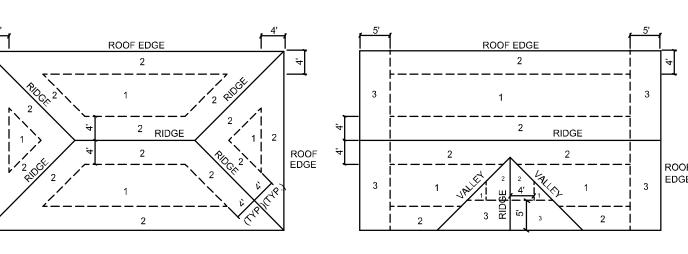
				ENTS & CLADD GHT = 30.0', EX		
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
_	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
- 7^ TO 27^	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
	2	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
ROOF	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
	3	20	11.4 /-47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
WALL	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	4	50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
W	5	10	21.8 / -29.1	25.9 / -34.7	30.4 /-40.7	35.3 / -47.2
	5	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	5	50	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8





ROOF SHEATHING FASTENINGS							
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING				
1			6 in. o.c. EDGE 12 in. o.c. FIELD				
2	7/16 " O.S.B. OR 15/32 CDX	od tallo of ball	6 in. o.c. EDGE 6 in. o.c. FIELD				
3		BOX NAILS	4 in. o.c. @ GABLE ENDWAL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD				

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 30	1.00 1.00	1.35 1.40	1.61 1.66			



ROOF SHEATHING NAILING ZONES (HIP ROOF)

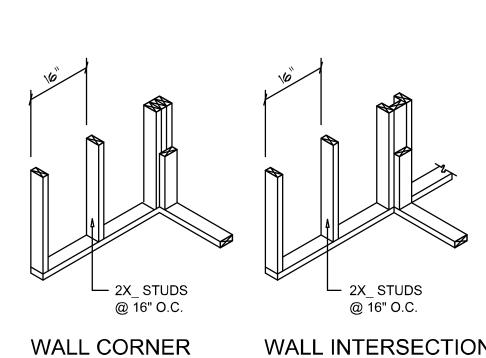
ROOF SHEATHING NAILING ZONES (GABLE ROOF)

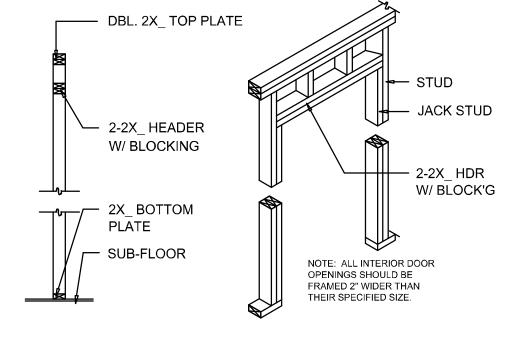
### Roof Nail Pattern DET.

SCALE: NONE

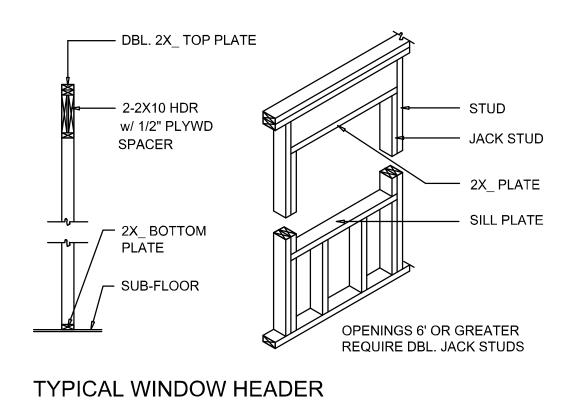


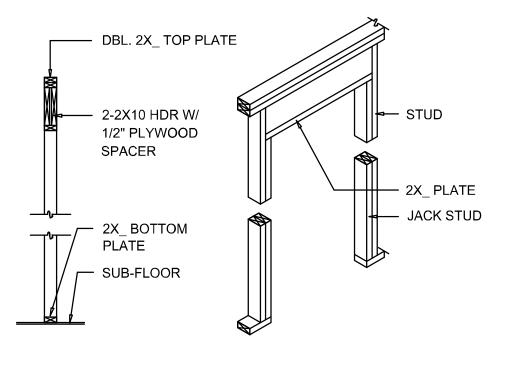
HEADER SPANS FOR EXTERIOR BEARING WALLS							
		BUILDING WIDTH (FT)					
HEADERS	HEADER	HEADER 20'		28'		36'	
SUPPORTING:	SIZE	SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
ROOF, CEILING	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1





NER WALL INTERSECTION NON-BEARING WALL HEADER

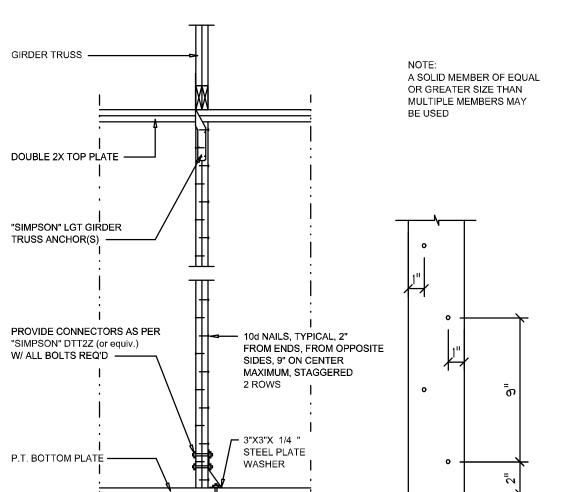




BEARING WALL HEADER

# Wall Framing/Header DETAILS SCALE: NONE

—(F)



"WindSTORM" ALT. SHEATHING METHOD:

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL P

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP1/SP2 OR SP4 STRAPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:

1. APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 8d COMMONS @ 4" O.C., FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 6"

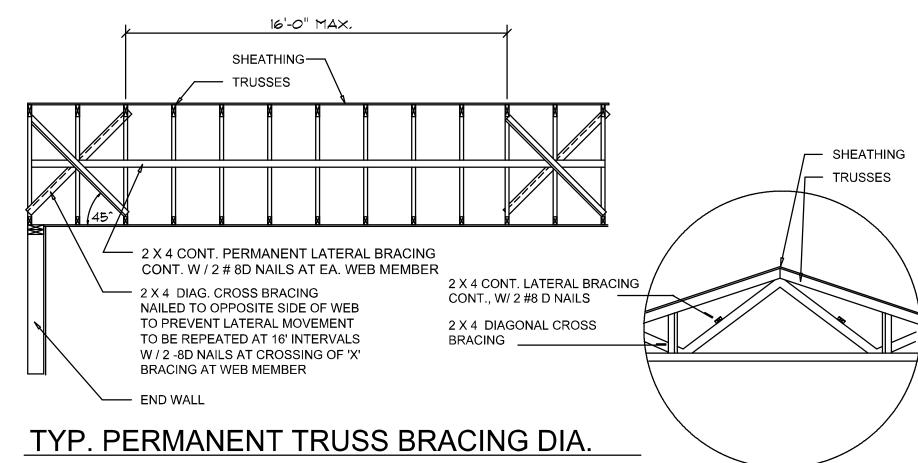
O.C. OR 8d COMMONS @ 8" O.C.

Alternate 'Titan' bolt concrete anchor system

EANCHOR SILL PLATE WITH 5/8" TITAN ANCHOR BOLT, PLACED AT 40" O.C. AROUND PERIMETER OF SLAB AND ALL INTERIOR BEARING WALLS.



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

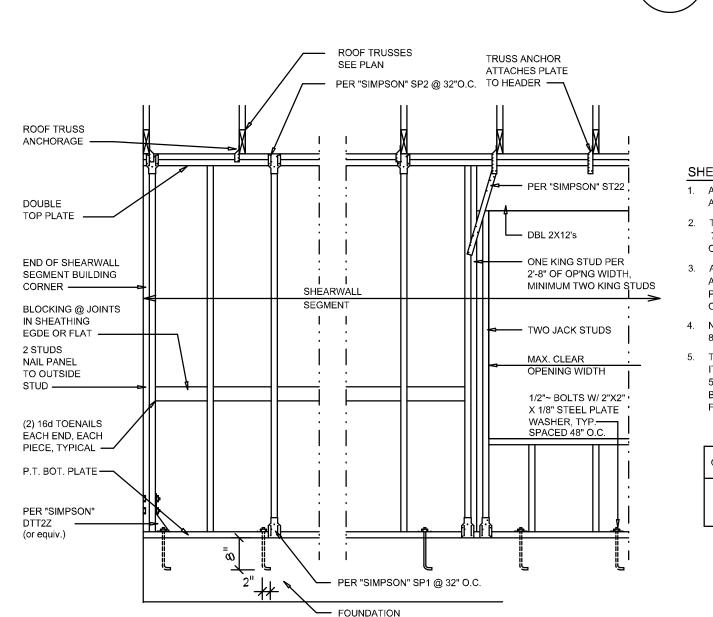


END (TOP OR BOTTOM)

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

Truss Bracing DETAILS

SCALE: AS NOTED



**Shear Wall DETAILS** 

SCALE: NONE

SHEARWALL NOTES:

ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
 AS DEFINED, BY STD 10-97 SBBC 305 4 3

2. THE WALL SHALL BE ENTIRELY SHEATHED WITH
7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW
OPENING C.

3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS

4. NAIL SPACING SHALL BE 4" O.C. EDGES AND

8" O.C. IN THE FIELD.

5. 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

JOB NUMBER 2020502

Digitally signed by: N.P. GEISLER DN: CN = N.P. GEISLER C = US

Date: 2021.02.16 16:13:30 -05'00'

O = AR0007005 OU =

ARCHITECT

SHEET NUMBER

S.4

OF 4 SHEETS

CONSTRUCTION, INC

SPARK

SE

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