

	ELECTRICAL LEGEND
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
₫₽	DOUBLE SECURITY LIGHT
0	RECESSED CAN LIGHT
₩	BATH EXHAUST FAN
	LIGHT FIXTURE
Ф	DUPLEX OUTLET (AFCI & TAMPER RESISTANT)
Ф	220v OUTLET
<del>В</del> GFI	GFI DUPLEX OUTLET (PER NEC 406.8)
TV †	TELEVISION JACK
PH	TELEPHONE JACK
	CIRCUIT FOR MINI-SPLIT A/C UNITS
•	SMOKE / CARBON MONOXIDE DETECTOR (see note below)
\$	WALL SWITCH
\$3	3 WAY WALL SWITCH
₩P/GFI	WATER PROOF GFI OUTLET
48" FLOUR.	2 OR 4 TUB FLUORESCENT FIXTURE

ALL INTERIOR RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER NEC 406.11

ALL INTERIOR & EXTERIOR LIGHTING SHALL MEET OR EXCEED THE MIN. 75% HIGH-EFFICIENCY LIGHTING PER FBC-ENERGY CONSERVATION R404.

ALL SMOKE DETECTORS BE A COMBO SMOKE & CARBON MONOXIDE DETECTOR AND SHALL HAVE BATTERY BACKUP POWER AND ALL WIRED TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEANS. CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR SHALL BE USED AS AN EQUIPMENT GROUND.

IT IS THE LICENSED ELECTRICAL CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL WORK PERFORMED AND EQUIPMENT INSTALLED MEETS OR EXCEEDS THE NFPA70 2017 NATIONAL ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.

REALIZATION SOFTWARE

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

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

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

KEVIN HOLDER

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JOB NUMBER 20201020

SHEET NUMBER

Jul C-Hy

## PROJECT COORDINATION REQUIREMENTS

THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPEABLE CODES IN COLUMBIA COUNTY, FL AT THE TIME THEY ARE DRAWN. DUE TO YARYING STATE, LOCA, AND NATIONAL CODES RULES AND REGULATIONS, N.P.GEISLER, ARCHITCT CANNOT WARRANT COMPLIANCE WITH LL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CNDITIONS. IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURES BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERL). IF YOUR CITY OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, OU WILL NEED TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.

## ROOF PLAN NOTES

R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH

R-2 ALL OVERHANG 18" UNLESS OTHERWISE NOTED

PROVIDE ATTIC VENTILATION IN AC-CORDANCE WITH SCHEDULE ON SD.3

SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS

MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

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

THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2020 FBC (1TH 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'-O". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

### GENERAL TRUSS NOTES:

- I. 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.
- 2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- 3. 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 GET 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

SHOP DWG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS. THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT

SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS, SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING, ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0179	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

# Roofing/Flashing DETS.

## 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".
- 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 Nr.2 HEM-FIR OR BETTER.

- VALLEY METAL

- ASPHALT SHINGLES

SHEATHING -

UNDERLAYMENT

EAVIDRIP

VALLEY FLASHING

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.

AREA OF REQ'D L.F. NET FREE

AREA OF

INTAKE

410 SQ.IN.

490 SQ.IN.

570 SQ.IN.

650 SQ.IN.

B

OF VENT

1600 SF 20 LF

1900 SF 24 LF

2200 SF 28 LF

2500 SF 32 LF

	2800 SF 3100 SF 3600 S	36 LF 40 LF	730 5Q.IN. 820 5Q.IN. 900 5Q.IN.
2\"	COBRA	DGE VENT AS RIGID RIDGE LE COVERING	VENT II"
		ROOFING AS 16 - SEE ROOF	PER SCHEDULE FING NOTES
	SHEATHIN	PLYWOOD OF NG AS PER NA E ON PLANS	
		AS PER ROC RUSSES OR LU	

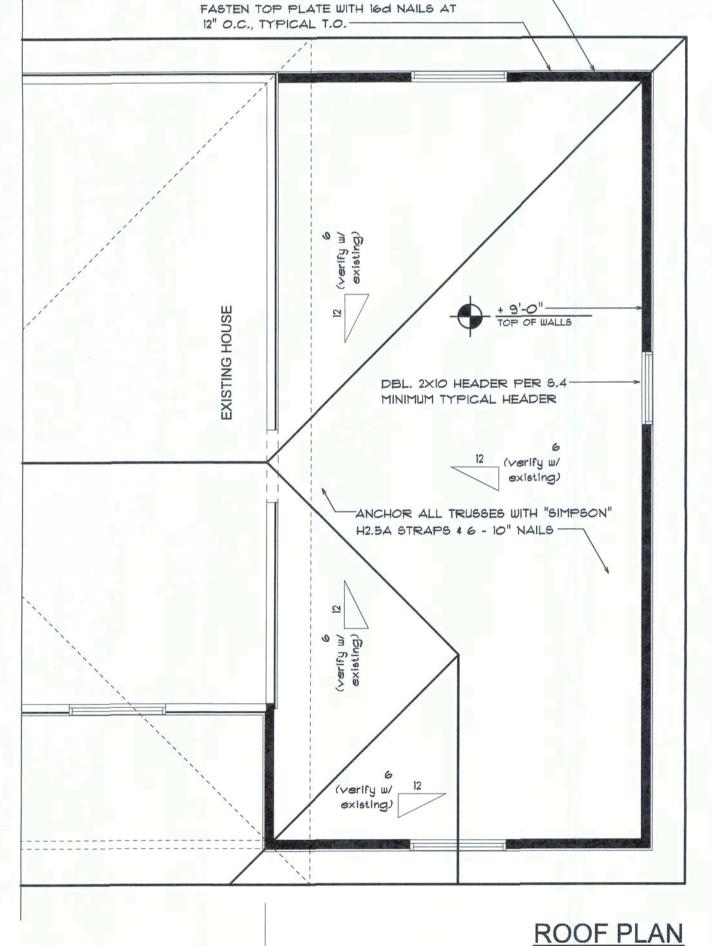
Ridge Vent DETAIL

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

MIAMI/DADE PRODUCT APPROVAL REPORT: \*98-0113.05

CONSTRUCT EXTERIOR WALLS W/ (2) TOP PLATES & I SILL PLATE, 2X4 STUDS @ 16" O.C. SHEATH WALL W/ 7/16" OSB,

APPLIED W/ 8d COMMON NAILS # 4" O.C. ALONG EDGES 4 8" O.C. ALONG INTERMEDIATE SUPPORTS-



CURRENT HOME NEW ADDITION

15'-8"

- DOWEL INTO

**EXISTING HOUSE** 

FOOTING W/(2) #5

REBARS, MIN. 4"

EMBED W/ EPOXY SET

4" SMOOTH STEELED TROWLLED CONC. SLAB,

LAP EDGES OF 6 MIL VAPOR BARRIER MIN. 6" -

PLASTIC SHEETING, ON CLEAN, WELL COMPACTED

SEAL ALL JOINTS. TEARS AND PIPING PENETRATIONS

16'-0"

W/ FIBERMESH REINFORCING, OVER 6 MIL

SAND FILL, TERMITE TREATED

WITH DUCT TAPE -

DOWEL INTO

CURRENT HOME NEW ADDITION

**EXISTING HOUSE** 

FOOTING W/(2) #5 REBARS, MIN. 4"

EMBED W/ EPOXY SET

**FOUNDATION PLAN** 

PRIOR TO THE CONSTRUCTION OF THE FOUNDATION. THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

PROVIDE A 16" WIDE (MIN.) x 18" DEEP CONT. CONC.

REBAR, TRANSVERSE OR WIRE CHAIRS, @ 48" O.C.

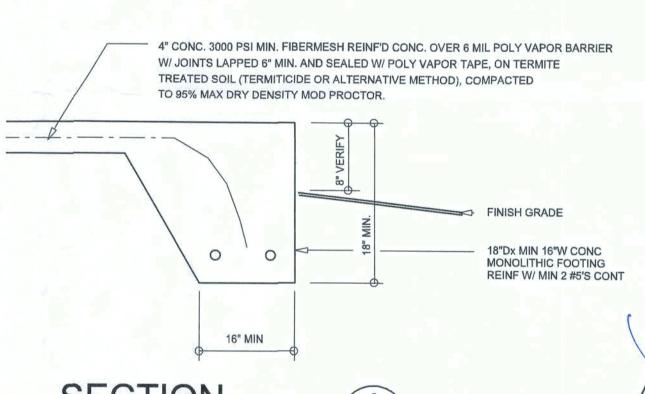
FOOTING W/ 2 #5 REBAR, BOTTOM & 1 #3

UNDER ALL PERIMETER WALLS OF HOUSE.

# CONCRETE / MASONRY / **METALS GENERAL NOTES:**

DESIGN SOIL BEARING PRESSURE: 1000 PSF.

- 2. 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 PREFORMED 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 COMPAC-TION 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 60 AND MEET THE REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 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 PLACE-MENT, 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.
- 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.
- 11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"~ A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2"~ A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.



SECTION A SCALE: 3/4" = 1'-0 S.1

> THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2020 FBC (7TH EDITION) AND LOCAL JURISDICTION REQUIREMENTS

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

1 COPY TO THE PERMIT ISSUING AUTHORITY.

PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND

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 - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

SOFTPION

AN

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Contract of the last

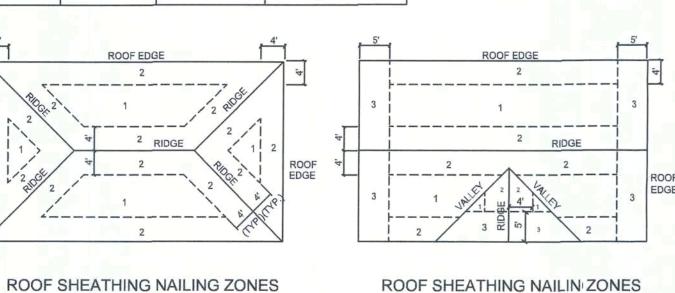
JOB NUMBER 20201020

SHEET NUMBER

OF 2 SHEETS

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

		JUSTMENT COE ENTS & CLADDII	
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



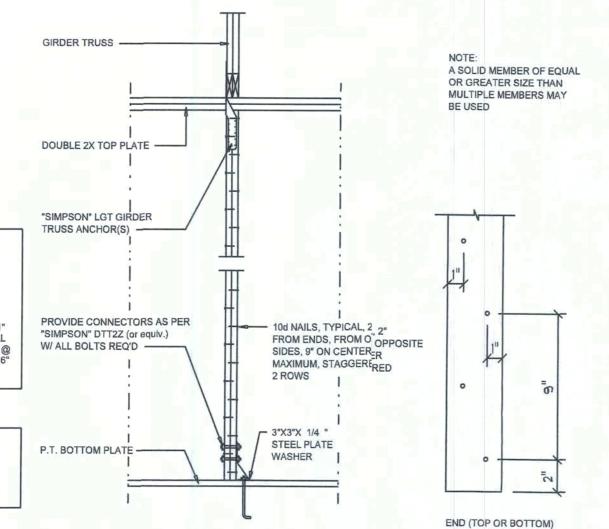
(GABLE ROOF)

9'-2"

9'-5"

	m a	US JOTOPAN ALT SUEATUNG METUOD.
		VindSTORM" ALT. SHEATHING METHOD:
	TO	TERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE THE FOUNDATION IN LIEU OF THE SP1/SP2 OR SP4 STRAPS DICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS OJECT SHALL ALLOWED AS FOLLOWS:
F	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.

Alte	rnate 'Titan' bolt concrete and	chor system
AT 40	CHOR SILL PLATE WITH 5/8" TITAN / " O.C. AROUND PERIMETER OF SL RING WALLS.	



Girder Truss Column DET.

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

SHEARWALL NOTES:

OR ALONG BLOCKING.

FOR 8'-0" WALLS (2'-3").

OPENING WIDTH

UP TO 6'-0"

ROOF TRUSS

DOUBLE TOP PLATE .

ANCHORAGE -

BLOCKING @ JOINTS

IN SHEATHING

EGDE OR FLAT

(2) 16d TOENAILS

EACH END, EACH

PIECE, TYPICAL -

P.T. BOT. PLATE

PER "SIMPSON"

(or equiv.)

NAIL PANEL

- 2-2X HDR

NOTE: ALL INTERIOR DOOR

OPENINGS SHOULD BE FRAMED 2" WIDER THAN

THEIR SPECIFIED SIZE.

W/ BLOCK'G

> 6' TO 9'-0"

 ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBCI 305.4.3.

2. THE WALL SHALL BE ENTIRELY SHEATHED WITH

3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACEN

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

7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW

PANELS OCCURING OVER COMMON FRAMING MEMBERS

5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING

IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE

16d TOE NAILS

EACH END

ROOF TRUSSES

PER "SIMPSON" SP2 @@ 32"O.C. TO HEADER —

ATTACHES PLATE

- DBL 2X12's

- ONE KING STUD PER

- TWO JACK STUDS

MAX. CLEAR OPENING WIDTH

X 1/8" STEEL PLATE

SPACED 48" O.C.

2'-8" OF OP'NG WIDTH.

SEE PLAN

5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE

(1) 2x4 OR (1) 2x6

(3) 2x4 OR (1) 2x6

> 9' TO 12'-0" (5) 2x4 OR (2) 2x6

BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5

# Roof Nail Pattern DET.

4-2x8

4-2x10

11'-8"

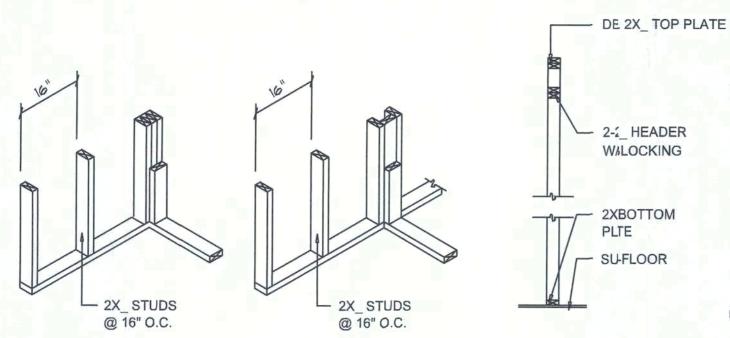
(HIP ROOF)

SCALE

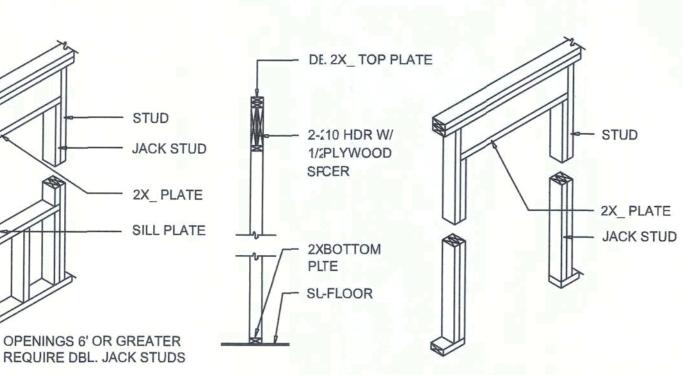
E: NONE	
HEADER SPANS FOR EXTERIOR B	FARING WALLS

			В	UILDING V	WIDTH (FT)		
HEADERS SUPPORTING:	HEADER		20'		28'	3	6'
	SIZE	SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-2"	1	2'-10	
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	11 -
ROOF, CEILING	2-2x8	6'-10"	1	5'-11"	2	5'-4"	= = =
	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"	-
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2

10'-6"



WALL INTERSECTION WALL CORNER



NON-BERING WALL HEADER

TYPICAL WINDOW HEADER

— DBL. 2X\_ TOP PLATE

- 2-2X10 HDR

SPACER

w/ 1/2" PLYWD

2X\_BOTTOM

PLATE

BEARINGWALL HEADER

# Wall Framing/Header DETAILS

SCALE: NONE

# Shear Wall DETAILS SCALE: NONE

— PER "SIMPSON" SP1 @ @ 32" O.C.

# FRAMING ANCHOR SCHEDULE

TION	MANUF'R/MODEL	CAP.
O WALL: TRUSS TO POST/HEADER: TO KING STUD(S): D STUD: SILL: SEAM TO POST:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS SIMPSON LGT, W/ 28 - 16d NAILS SIMPSON ST22 SIMPSON SP2 SIMPSON SP1	960# 1785# 1370# 1065# 585#
POST TO FND.:	SIMPSON ABU44	2200# 315#/240#
SILL: BEAM TO POST:	SIMPSON SP1 SIMPSON PC44/EPC44	585# 1700# 2200#

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.

"SEMCO" PRODUCT APPROVAL MIAMI/DADE COUNTY REPORT #95-0818.15

"SIMPSON" PRODUCT APPROVALS:

MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04 SBCC1 NER-443, NER-393

### FIREBLOCKING NOTES:

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

### FLORIDA BUILDING CODE

### Compliance Summary

### TYPE OF CONSTRUCTION

Gable & Hip Construction, Wood Trusses @ 24" O Walls: 2x 4 Wood Studs @ 16" O.C.

## **ROOF DECKING**

Material:

8d Commons or ring-shank nails per schedule on sheet S.4

Sheet Size: 48"x96" Sheets Placed Vertical, stagger each sheet. 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Dragstrut:

Truss Anchors: SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS 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:

### FOOTINGS AND FOUNDATIONS

Stemwall: (optional) 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	FLO

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

BASED ON ANSI/ASCE 7-10. 2017 FBC 1609-A WIND VELOCITY: YULT = 130 MPH

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

4. FLOOR DESIGN LOADS: SUPERIMPOSED LIVE LOADS: RESIDENTIAL

Floor: 4" Thk. Concrete Slab W/ #4 rebar @ 24" O.C. ea. way. Continuous monolithic footing or /Stem Wall foundation system

5/8" CD Plywood or O.S.B. Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing

## SHEARWALLS

Material: 1/2" CD Plywood or 7/16" O.S.B.

Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C. Wall Studs: 2x4 Wood Studs @ 16" O.C.

### HURRICANE UPLIFT CONNECTORS

Simpson ABU44/ABU66 @ each column Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column

Footing: 18"x 16" Cont. W/ (2) #5 Bars Cont. on chairs or (1) #3 Transverse @ 24" O.C.

# BUILDING CODE (TH EDITION) AND OTHER REFERENCED CODES AND

SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION

VASD = 101 MPH

SUPERIMPOSED DEAD LOADS: ..... 25 PSF ..... 40 PSF BALCONIES ..... 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

## General Roofing NOTES:

### DECK REQUIREMENTS:

ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

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

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 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.

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 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/ 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.

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 ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 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 (or equiv.) ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

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

HERITAGE 50 AR

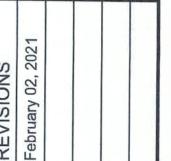
THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

	2T T	MEAN E	IG COMPONE BUILDING HER ANGLE 27° TO	GHT = 30.0',	
2	Ш	Vult	Vulk	No.14	

	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH	
45,	1	10 20 50	19.9 / -21.8 19.4 / -20.7 18.6 / -19.2	23.7 / -25.9 23.0 / -24.6 22.2 / -22.8	27.8 / -30.4 27.0 / -28.9 26.0 / -26.8	32.3 / -35.3 31.4 / -33.5 30.2 / -31.1	
DF 2T TO	2 2 2	10 20 50	19.9 / -25.5 19.4 / -24.3 18.6 / -22.9	23.7 / -30.3 23.0 / -29.0 22.2 / -27.2	27.8 / -35.6 27.0 / -34.0 26.0 / -32.0	32.3 / -41.2 31.4 / -39.4 30.2 / -37.1	
ROOF	3 3 3	10 20 50	19.9 / -25.5 19.4 / -24.3 18.6 / -22.9	23.7 / -30.3 23.0 / -29.0 22.2 / -27.2	27.8 / -35.6 27.0 / -34.0 26.0 / -32.0	32.3 / -41.2 31.4 / -39.4 30.2 / -37.1	
7TK	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	
WALL	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	

# HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE
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



# SOFTPIAN

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JOB NUMBER 20201020

SHEET NUMBER **S.2** OF 2 SHEETS

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