

**ROOF FRAMING PLAN** 

ROOF PLAN NOTES

R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609

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

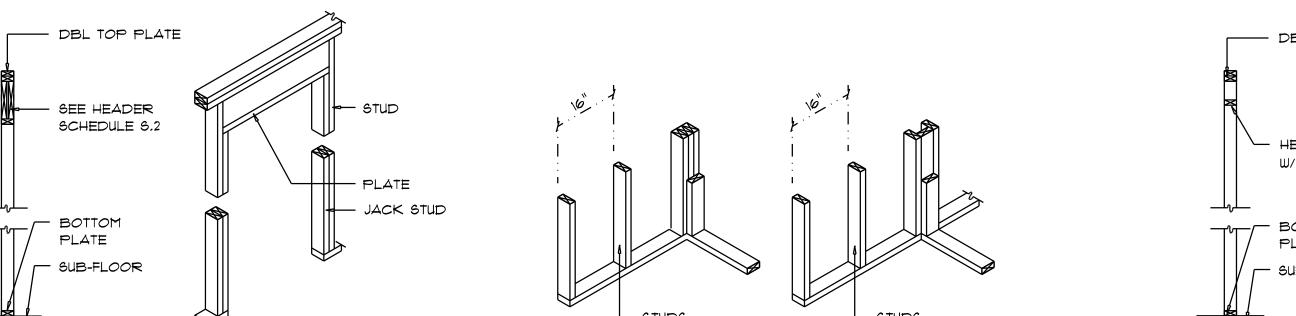
AND LOCAL JURISDICTION REQUIREMENTS

SEE ELEVATIONS FOR ROOF PITCH

ALL OVERHANG 18" (12" on gables) UNLESS OTHERWISE NOTED

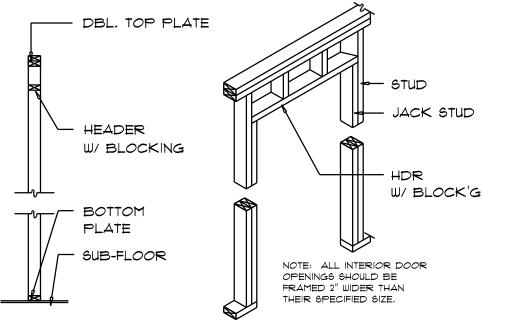
PROVIDE ATTIC VENTILATION IN AC-CORDANCE WITH SCHEDULE ON SD.3

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

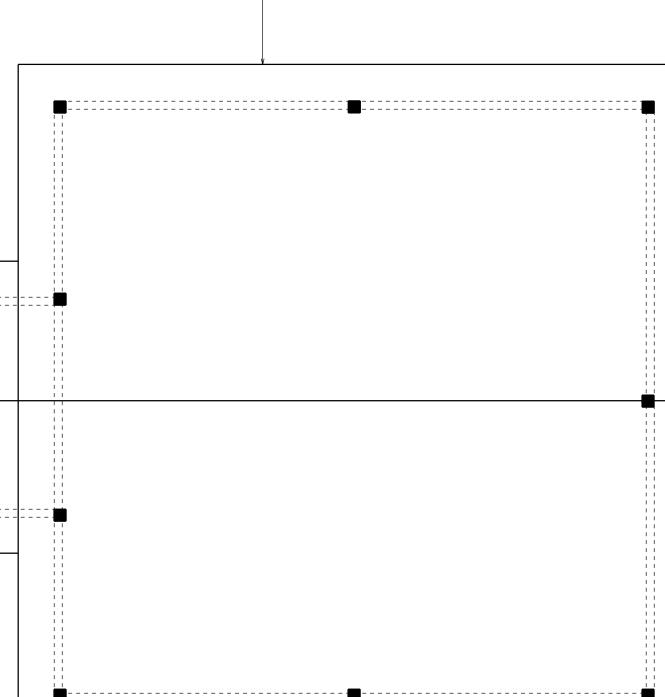


a 16" O.C.

BEARING WALL HEADER WALL CORNER WALL INTERSECTION



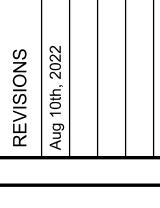
NON-BEARING WALL HEADER



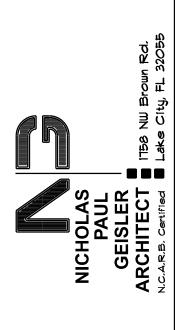
	TALS for FLASH SS REQUIREMENTS	HING/ROOF	ING
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	PTI0.0	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		4 <i>0</i> 20

Roofing/Flashing DETS. SCALE: NONE

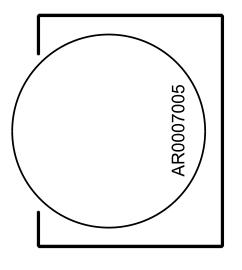




SIDENC 
 A
 DARB



SHEET NUMBER OF 4 SHEETS



## DECK REQUIREMENTS:

METAL PANELS MUST BE FASTENED TO MIN, 1/2" CDX PLYWOOD.

METAL PANELS SHALL BE USED ONLY ON ROOF SLOPES OF 3:12 OR GREATER TO INSURE PROPER DRAINAGE.

MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT

## SUPPLIED IN TAPE OR GUN-GRADE FORM.

METAL PANEL:

## METAL PANELS SHALL BE

MIN, 26 GUAGE AND COMPLY WITH ASTM A-792 AND D 7-98 EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.

## FASTENERS:

FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #9 X 1 1/2" HEX HEAD.

#### ATTACHMENT:

METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN 24" O.C. WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM WITH ASTM E 330 OR PA 125.

## BASE AND CAP FLASHINGS:

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS.

## 1, RC-1 - RIDGE CAP

- 2. ED-1 EAVE DRIP
- 3, EF-3 EAVE FLASHING
- 4. SW-1 SIDEWALL FLASHING
- 5, EW-1 ENDWALL FLASHING
- 6. GR-4 GABLE END OR RAKE BOARD FLASHING
- 7, TF-1 TRANSITION FLASHING
- 8. PV-2 PREFORMED VALLEY FLASHING
- 9. BUTYL TAPE 10, SEALANT TAPE
- 11. PIPEBOOT

## UNDERLAYMENT APPLICATION:

FOR ROOF SLOPES FROM 3:12 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

## BASE AND CAP FLASHINGS:

WITH ASTM D 1970.

SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 17 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 ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.

I, 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.

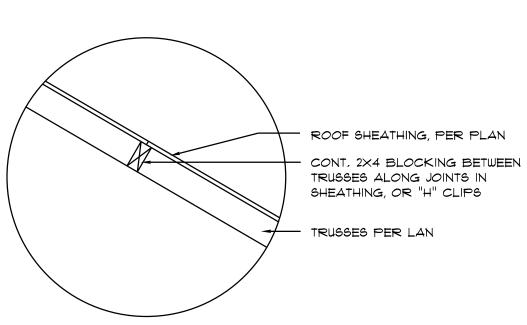
2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE,

3, CLOSED YALLEYS: 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

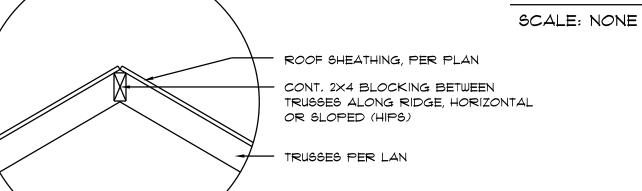
COMPLYING WITH ASTM D 224. 3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING - VENT SLOT AT RIDGE, PER PLAN ROOF SHEATHING, PER PLAN CONT. 2X4 BLOCKING BETWEEN TRUSSES ALONG BOTH SIDES OF VENT SLOTS TRUSSES PER LAN

## Vent DETAIL

SCALE: NONE



## Joint DETAIL



## Ridge DETAIL

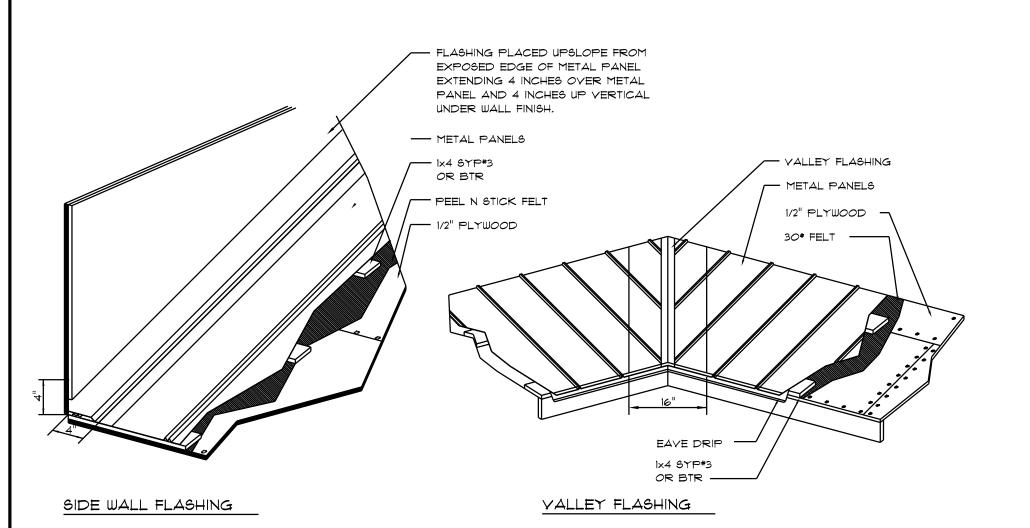
SCALE: NONE

## SM-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR YARIOUS WIND YELOCITIES MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE

ROOF	FASTENER	FASTENER	PLACEMENT	100 - 11	0	120 - 130	9	140 - 1 <del>5</del>	<i>o</i>
ZONE	TYPE	SIZE	TO	O/C SPACING	TRIM	O/C SPACING	TRIM	O/C SPACING	TRIM
1	WD, SCREW	#9 × 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL, SCR,	#12 × 1" #14 × 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"
2 \$ 3	WD, SCREW	#9 × 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL, SCR,	#12 × 1" #14 × 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	8"

# FOR BUILDINGS W/ 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE "C"

ROOF	FASTENER	FASTENER	PLACEMENT	)	_	2	_	2	
ZONE	TYPE	SIZE	TO	O/C SPACING	†RIM	O/C SPACING	†RIM	O/C SPACING	TRIM
1	WD, SCREW	#9 × 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL, SCR,	#12 × 1" #14 × 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"
2 \$ 3	WD, SCREW	#9 × 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL, SCR,	#12 × 1" #14 × 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	8"



METAL ROOFING, DET,

SCALE: NONE



ZONE	AREA	Yult 110 MPH	Yult 120 MPH	Yult 130 MPH	Yult 140 MPH
1 1	<u>0</u> 0 0 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
2 2 2	<u>0</u> 0 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
თ თ თ	10 20 50	12.5 / -51.3 11.4 /-47.9 10.0 / -43.5	14.9 / -61.0 13.6 / -51.1 11.9 / -51.8	17.5 / -71.6 16.0 / -67.0 13.9 / -60.8	20.3 / -83.1 18.5 / -77.7 16.1 / -70.5
4 4 4	<u> 0</u> 0 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
выы	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. <i>0</i> 31.6 / -39.8

	<u> </u>	13,5 / 24,0	23,2 7 23,3	21,27 34,3	),,,,,
			DJUSTMENT C NENTS & CLA		; ;
BLDG HEIGHT		EXPOSURE "B"	EXPOSURE "C"	EXPOSURE	
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	

## NONCOMBUSTIBLE FIREBLOCK - ADD 2x FIREBLOCK REDUCE OPENING CUT BETWEEN STUDS

SOFFIT/DROPPED CLG.

ROOF SHEATHING NAILING ZONES

(GABLE ROOF)

## PENETRATIONS

FIREBLOCKING NOTES:

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

I. 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.

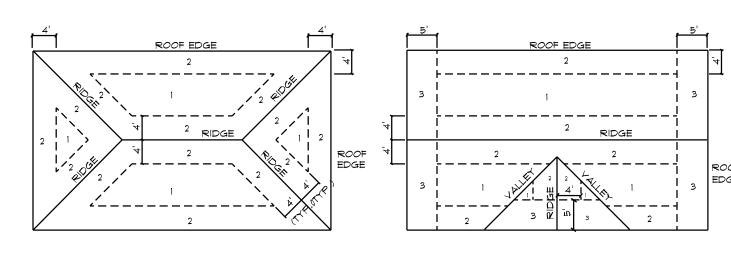
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"

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

SCALE: NONE

ROOF SHEATHING FASTENINGS								
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING					
1			6 in. o.c. EDGE 12 in. o.c. FIELD					
2	7/16 " 0.5.B. OR 15/32 CDX	.113 RING SHANKED NAILS	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 Nail Pattern DET.

SCALE: NONE

## 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" 0.5.B. Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing Fasteners: Ring Shank Nails per schedule on sheet 5.3

## HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON HETAL 16 / H2.5a @ Ea, Truss End (Typ. U.O.N.) Porch Column Base Connector: Simpson ABU88/ABU66 @ each column Porch Column to Beam Connector: Simpson PC88/MSTA24 @ each column

#### FOOTINGS AND FOUNDATIONS

Footing: 20"x10" Cont. W/2-#5 Bars Cont. Stemwall: 8" C.M.U. W/1-#5 Yertical 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 CATAGORY: 2, EXPOSURE: "B"

BASED ON ANSI/ASCE 7-16. 2020 FBC 1609-A WIND VELOCITY:  $V_{\rm ULT}$  = 130 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 ..... 60 PSF BALCONIES

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

## TERMITE PROTECTION NOTES:

## SOIL CHEMICAL BARRIER METHOD:

I. 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'-O" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3, IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN I'-O" FROM BUILDING SIDE WALLS. FBC 1503,4,4

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COYERINGS 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 1. 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. 8. MINIMUM 6 MIL YAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION, IF RAINFALL OCCURS BEFORE VAPOR RET-

ARDER PLACEMENT, RETREATMENT 16 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'-O" OF THE STRUCTURE SIDEWALLS, FBC 1816.1.6 II. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION.

BE RETREATED, FBC 1816.1.6 12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT.

FBC 1816.1.7

ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART-MENT 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 CONS-UMER SERVICES", FBC 1816.1.7

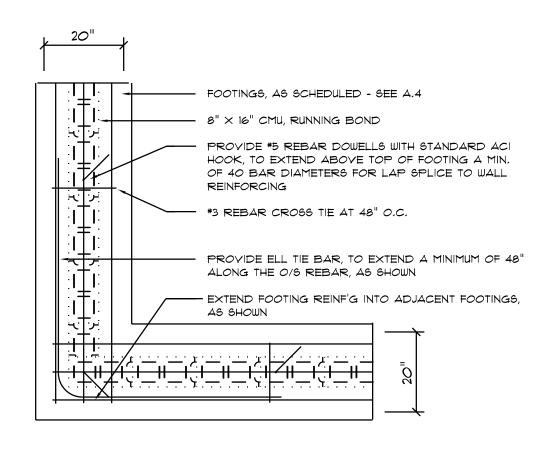
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-O" OF THE BUILDING, THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL, FBC 2303,1,3

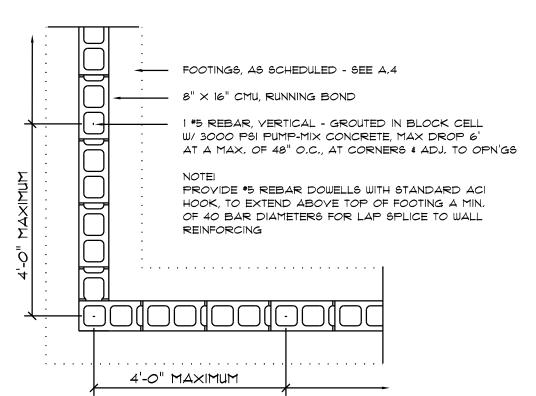
15. NO WOOD, YEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-O" OF ANY BUILDING OR PROPOSED BUILDING, FBC 2303,1,4

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OF 4 SHEETS

SHEET NUMBER

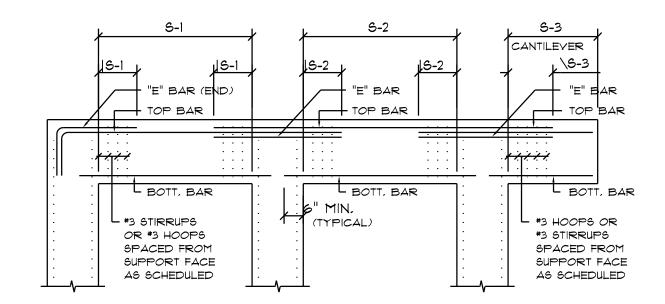




## Wall/Foundation Reinf'g DETAIL

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





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

SCALE: NONE

#### TYPE DESIGNATION F = FILLED WITH GROUT / U = UNFILLED QUANTITY OF #5 REBAR AT \*5 REBAR AT BOTTOM BOTTOM OF LINTEL CAVITY OF LINTEL CAVITY 8F16-1B/1T 7-5/8"ACTUAL PROVIDED IN LINTEL 8" NOMINAL WIDTH NOMINAL WIDTH -- QUANTITY OF #5 DETAIL A/3 REBAR AT TOP

PRE-CAST LINTEL OVER GARAGE DOOR 8" PRECAST & PRESTRESSED U-LINTELS PRE-CAST LINTELS @ LANAI COLUMNS

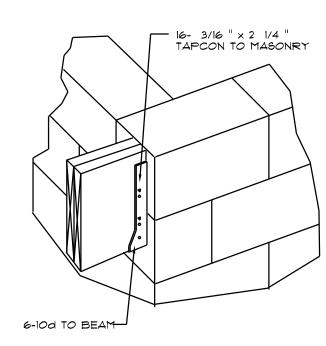
<	) AST		<b>ETG</b>			GF	RAVIT	Ψ					
			TYPE		8F8-0B	8F12-0B	8F16-0B	8F2O-0B	8F24-0B	8F28-0B	8F32-0B		
MARK	LENG	:TH		8U8	8F8-1B	8F12-1B	8F16-1B	8F2O-1B	8F24-1B	8F28-1B	8F32-1B		
					3166	4473	6039	7526	9004	10472	11936		
L1	2'-10"	(34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936		
					3138	3377	4689	6001	7315	8630	9947		
L2	3'-6"	(42")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936		
					2325	2496	3467	4438	5410	6384	7358		
L3	4'-0" (48") PRECAST	2029	2646	4473	6039	7526	9004	10472	11936				
			TSTI	1913	2657	3403	4149	4896	5644				
L4	4'-6" (54") PRECAST	1651	2170	4027	6039	7526	9004	10472	9668				
			1223	1301	1809	2317	2826	3336	3846				
L5	L5 5'-4" (64") PRECAST	PRECAST	1184	1665	2889	5057	6096	5400	6424	7450			
				1000	1059	1474	1889	2304	2721	3137			
L6	5'-10"	("01")	PRECAST	972	1459	2464	4144	5458	4437	5280	6122		
					1255	2101	3263	2746	3358	3971	4585		
LΤ	6'-6"	("8F)	PRECAST	937	1255	2101	3396	5260	7134	8995	6890		
					1029	1675	2385	1994	2439	2886	3333		
L8	7'-6"	(90")	PRECAST	767	1029	1675	2610	3839	5596	6613	5047		
					632	1049	1469	1210	1482	1754	2027		
L9	9'-4"	(112")	PRECAST	573	768	1212	1818	2544	3469	4030	3127		
					482	802	1125	915	1122	1328	1535		
L10	10'-6"	(126")	PRECAST	456		1025	1514	2081	<u> </u>	3130	+		
					658	935		1854	2774	1793	2404		
<b>∟</b> 11	11'-4"	(136")	PRECAST	445	598	+	1365		<u> </u>	<b>-</b>	2075		
					598	935	1365	1854	2441	3155	4044		
<b>∟12</b>	12'-0"	(144")	PRECAST	414	545	864	1254	1689	2074	1570	1818		
					555	864	1254	1693	2211	2832	3590		
LI3	13'-4"	(160")	PRECAST	362	427	726	1028	1331	1635	1224	1418		
					485	748	1076	1438	1855	2343	2920		
L14	14'-0"	(168")	PRECAST	338	381	648	919	1190	1462	1087	1260		
	· · · •	.,			455	700	1003	1335	1714	2153	2666		
LI5	14'-8"	4'-8" (176") PRESTRESSED	4'-8" (116") PRESTRES	14'-8" (176")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
						IN, IK,	465	765	1370	2045	2610	3185	3765
LI6	15'-4"	(184")	PRESTRESSED	N₽	NR	NR	NR	NR	NR	NR	NR		
_10	10 -4	(184")	(184)	. 132011320020	N.R.	420	695	1250	1855	2370	2890	3410	
LIT	17'-4"	(202")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR		
		(200)	, NEOTRESSED	IN.PK.	310	530	950	1400	1800	2200	2600		
L18	19'-4"	(232")	PRESTRESSED	N 5	NR	NR	NR	NR	NR	NR	NR		
_10	- <del></del>	(222)		z,R,	240	400	750	1090	1400	1720	2030		
	01 .11	(OF - II :			NR	NR	NR	NR	NR	NR	NR		
LI3	21'-4"	(256")	PRESTRESSED	N.R.	183	330	610	940	1340	1780	2110		
					NR	NR	NR	NR	NR	NR	NR		
L20	22'-0"	(264")	PRESTRESSED	N.R.	160	300	570	OTS	1250	1660	OF <i>e</i> I		
					NR	NR	NR	NR	NR	NR	NR		
L21	24'-0"	(288")	PRESTRESSED	N.R.	130	240	470	720	1030	1350	1610		

## GENERAL BEAM SCHEDULE NOTE:

- 1. SCHEDULED HOOPS OR STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE 5-6 \$ HOOPS SHALLBE TYPE T-2 TYPICAL CRSI BAR BENDS UNLESS NOTED OTHERWISE.
- 2. BUNDLE ALL STRUCTURAL BEAM TOP BARS IN PAIRS OVER SUPPORTS WITH TOP BARS FROM ADJACENT BEAMS.
- 3. ALL CONCRETE BEAMS OTHER THAN THOSE WITH THE PREFIX TB SHALL BE POURED PRIOR TO PLACING OF BLOCK BELOW.
- 4. ALL TIE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS ONLY. ALL SPLICES SHALL BE A MINIMUM OF 30 BAR DIAMETERS.
- 5. ALL TIE BEAM TOP REINFORCING SHALL EXTEND INTO SPAN OF ANY

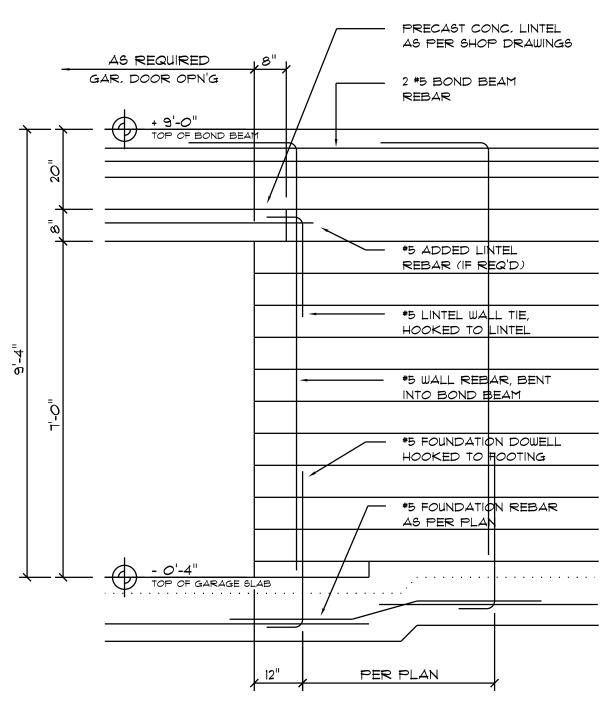
ADJACENT STRUCTURAL BEAM AS PER BENDING DIAGRAM.

- 6. DROP BOTTOM OF TIE BEAMS AS REQUIRED AT WINDOW AND DOOR HEADS (28" MAXIMUM) AND ADD 2 \*5 BOTTOM IF DROP EXCEEDS 8".
- 7. TIE BEAM SCHEDULED DEPTHS ARE MINIMUM AND MAY BE INCREASED (8" MAXIMUM) TO FIT BLOCK WORK,
- 8. ALL ADDED LONGITUDINAL BEAM REINFORCING SHALL EXTEND A MINIMUM OF 6" INTO SUPPORT UNLESS NOTED OTHERWISE.
- 9. MARK "C" IN REINFORCING COLUMN BETWEEN TWO BEAMS INDICATES THAT REINFORCING SHALL BE CONTINUOUS THROUGH THESE TWO BEAMS.



## "Simpson" HUSC410

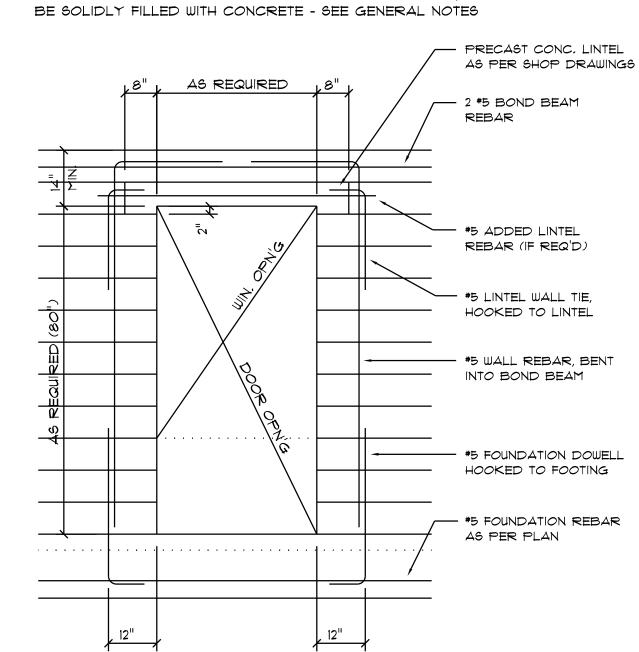
SCALE: NONE WOOD BEAM TO MASONRY



# Typ. Garage Door Opening Reinf'g DETAIL - 9'-0" CMU Wall SCALE: 1/2" = 1'-0"

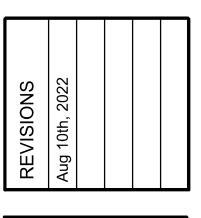
REFER TO GENERAL NOTES FOR LAP SPLICE AND HOOK MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

ALL BLOCK CELLS CONTAINING VERTICAL REINFORCING, SHALL

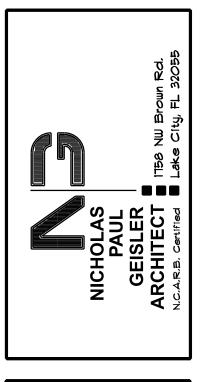


# Typical Door/Window Opening Reinforcing DETAIL GCALE: 1/2" = 1'-0"

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







SHEET NUMBER OF 4 SHEETS

