

SOFIPIAN

MAIN FLOOR PLAN 2ND FLOOR PLAN SCALE:

A CUSTOM HOME FOR:

OBIE LEWIS

PROJECT ADDRESS: COLUMBIA CC

© WM DESIGN & ASSOCATES, INC. 426 SW COMMERCE DR. STE 130 LAKE CITY, FL 32025 (386) 758-8406 will@willmyers.net



JOB NUMBER 20190503

SHEETNUMBER

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

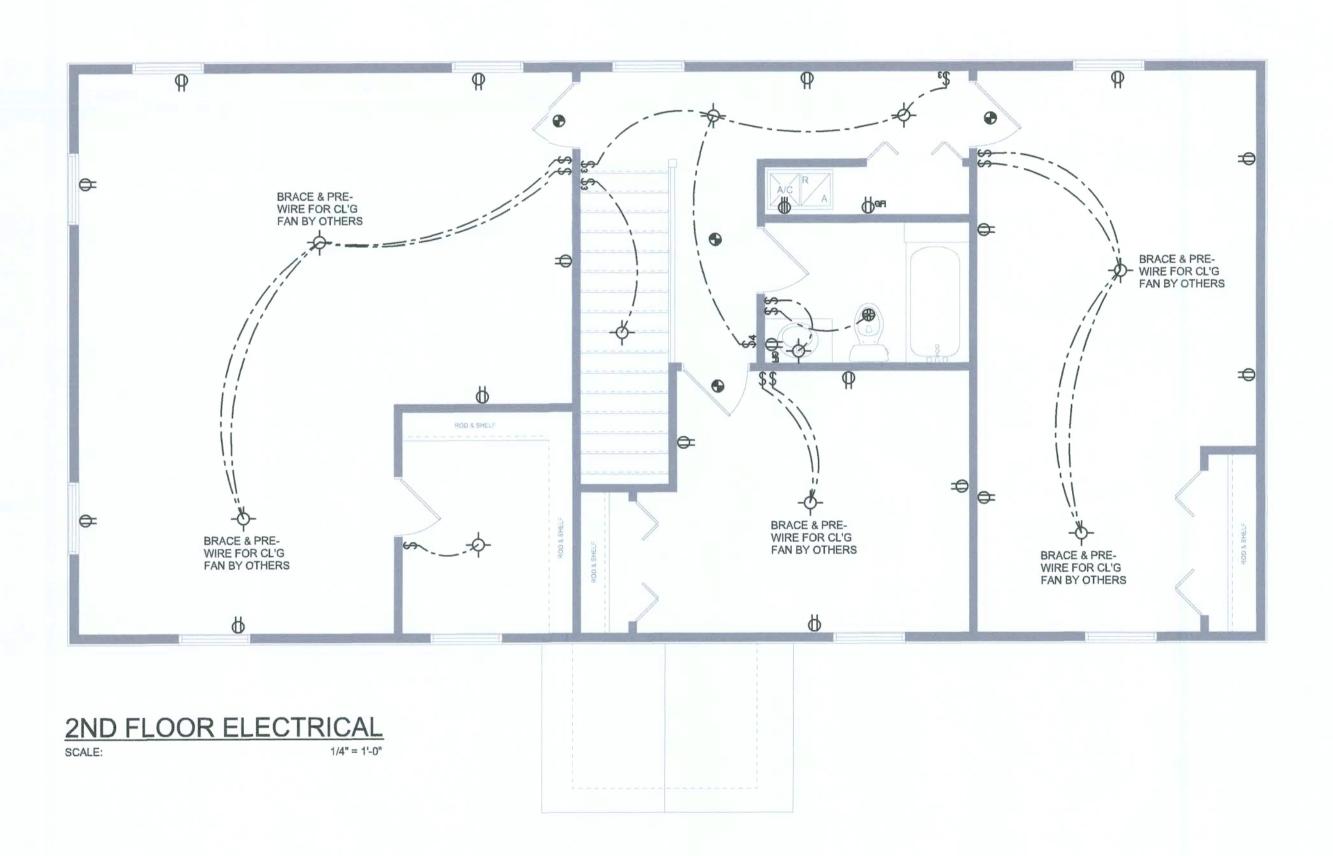
	ELECTRICAL IEGEND
	CEILING FAN (PRE-WIRE FOR LI(HT KIT)
QD	DOUBLE SECURITY LIGHT
0	RECESSED CAN LIGHT
₩	BATH EXHAUST FAI
	LIGHT FIXTURE
Ф	DUPLEX OUTLET (FCI & TAMPER RESISTANT)
₩	220v OUTLET
Age.	GFI DUPLEX OUTLFT (PER NEC 406.8)
TV †	TELEVISION JACK
PH	TELEPHONE JACK
•	SMOKE / CARBON IIONOXIDE DETECTOR (see note below)
\$	WALL SWITCH
\$3	3 WAY WALL SWIT(H
₩P/GFI	WATER PROOF GFOUTLET
48" FLOUR.	2 OR 4 TUB FLUOR(SCENT FIXTURE

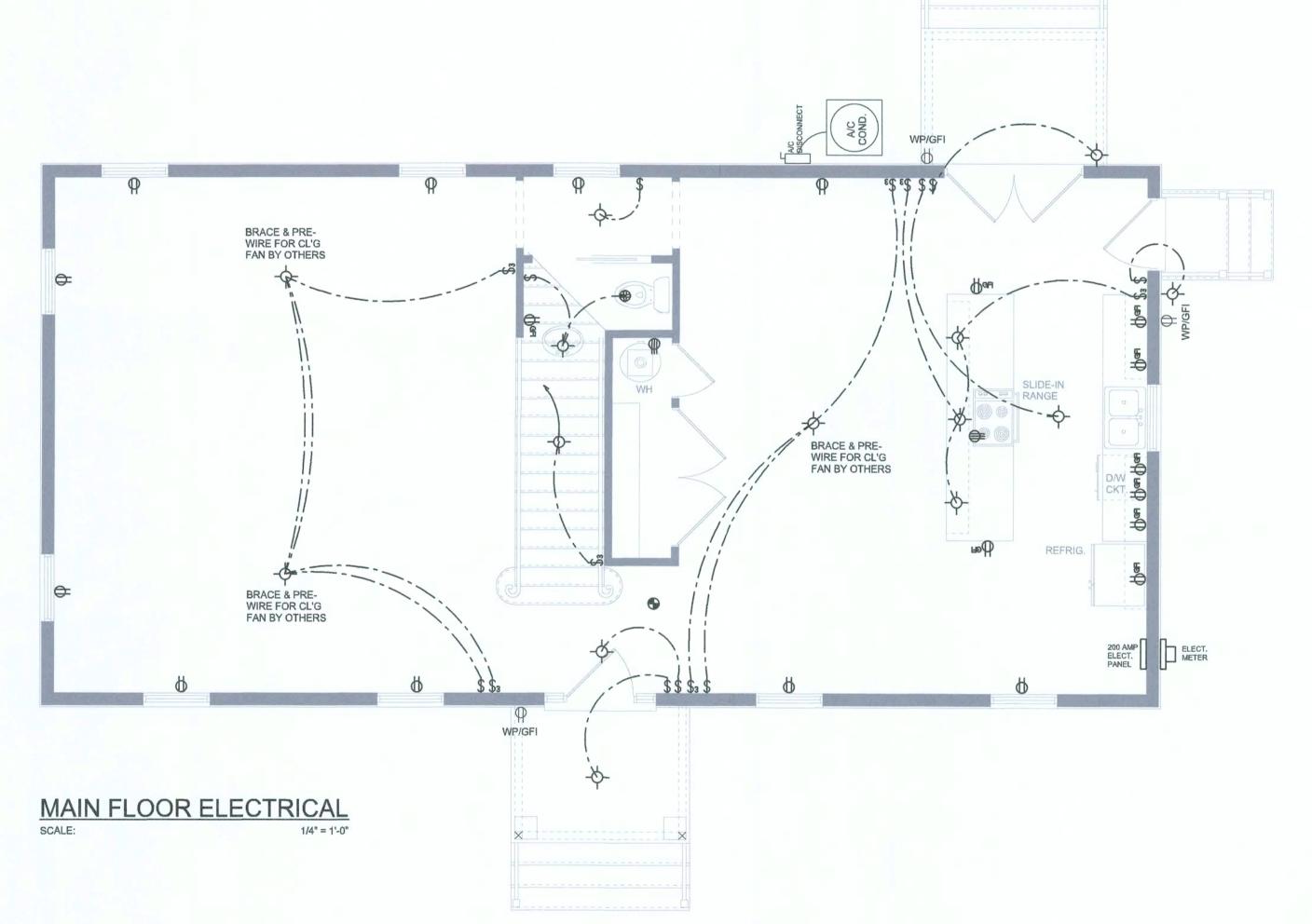
ALL INTERIOR RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER NEC 406.11

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 ALL ACTIVATE.

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 2014 NATIONIAL ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.





2ND scale:

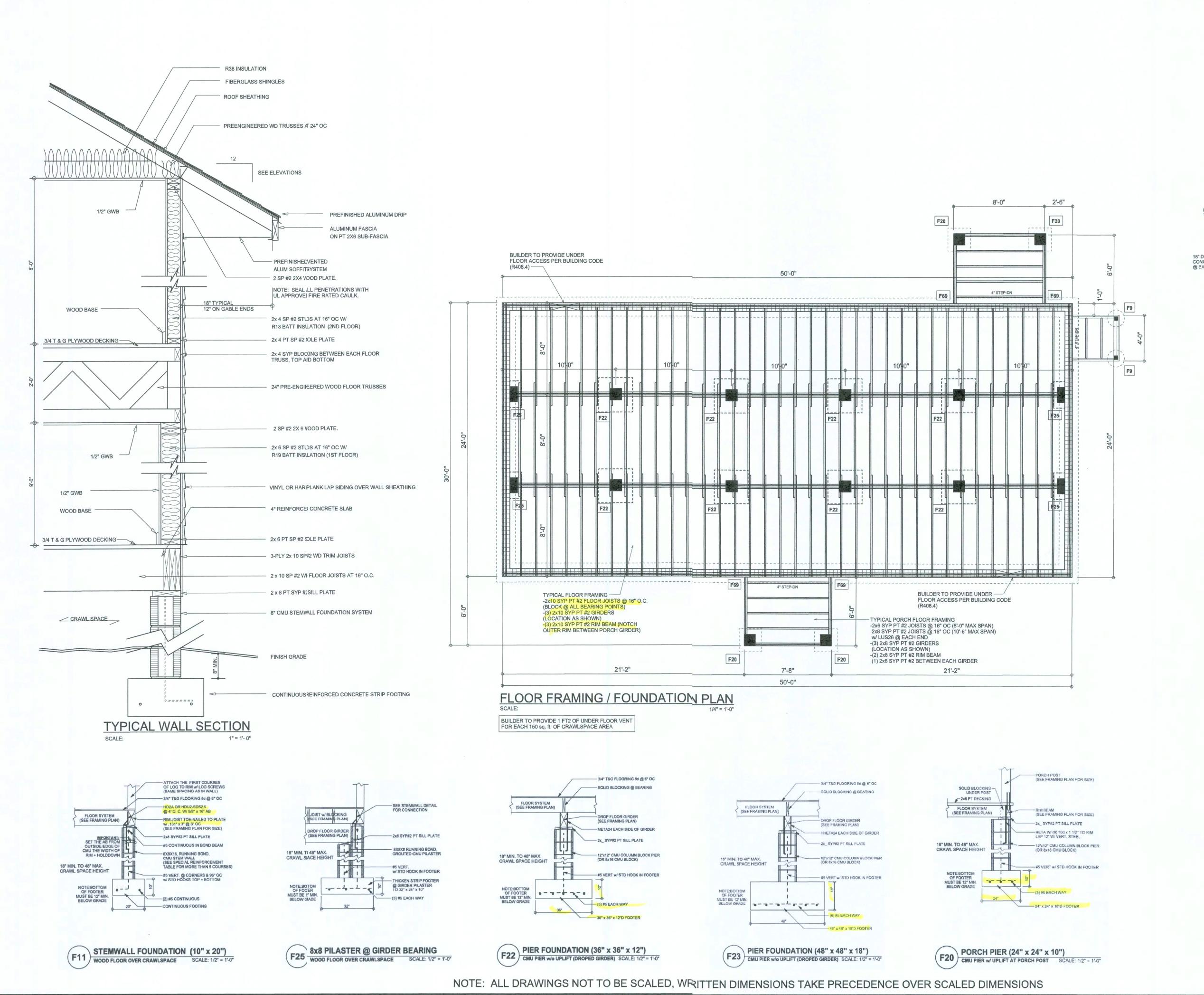
OBIE LEWIS

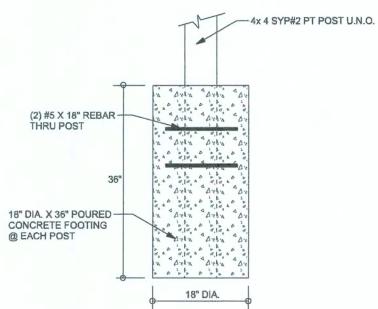
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SHEET NUMBER A.3





BUILDER IS TO HAVE TERMITE PROCTECTION PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES. UPON COMPLETION OF THE APPLICATION OF TERMITE PROTECTIVE TREATMENT. A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT. 'The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services."

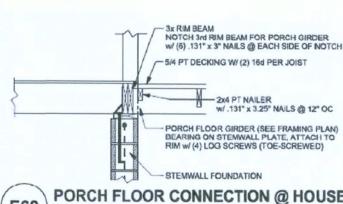
UNDER FLOOR VENTILATION (2014 FBCR R408): MIN. NET AREA = 576 FT2 / 150 = 3.8 FT2 MIN. AND ONE VENT WITHIN 3'-0" OF EACH CORNER

BUILDER TO PROVIDE VENTING AT BLOCKING COURSING JUST BELOW TIE-BEAM BY TURNING BLOCKS SIDEWAYS COVERED WITH ONE OF THE FOLLOWING: Perforated sheet metal plates not less than 0.070" thick.

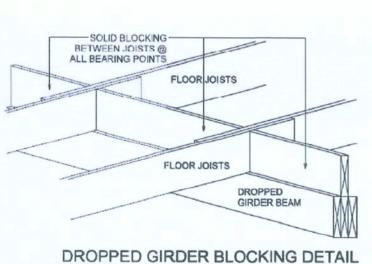
2. Expanded sheet metal plates not less than 0.047" thick. Cast-iron grill or grating.

Extuded load-bearing brick vents. Hardware cloth of 0.035" wire or heavier. 6. Corrosion-resistant wire mesh, with the least dimension being 1/8" thick.

BUILDER TO PROVIDE UNDER FLOOR ACCESS PER BUILDING CODE (R408.4)



PORCH FLOOR CONNECTION @ HOUSE FLOOR GIRDER NOTCHED INTO RIM SCALE: 1/2" = 1'-0"



JOB NUMBER 20190503

OF 4 SHEETS

SOFTPIAN

V OUND. AIL

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SHEET NUMBER

2ND FLOOR FRAMING PLAN

Roof Framing PLAN

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

ANCHOR GIRDER TRUSS(ES) TO HEADER

2 "SIMPSON" ST22 EA. END - TYP., T.O.

REFER TO THE WINDOW/DOOR HEADER

MINIMUM SIZE HEADERS AND ALTERNATES

SCHEDULE ON SHEET 5.4 FOR ALL

MINIMUM SIZE ALLOWABLE IS 2-2XIO.

WITH 2 "SIMPSON" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/

2X4 SUB-FASCIA, TYPICAL @ ALL-TRUSS EAVES & GABLE ENDS ANCHOR ALL TRUSSES WITH "SIMPSON" H2.5A STRAPS \$ 6 - 10" NAILS --DBL. 2XIO HEADER PER 5.4 MINIMUM TYPICAL HEADER

(CONSTRUCT EXTERIOR WALLS W/ (2) TOP PLATES & I SILL PLATE, 2×4 STUDS @ 16" O.C. SHEATH WALL W/ 1/16" OSB, 'APPLIED W/ 8d COMMON NAILS @ 4" O.C. ALONG EDGES " 8" O.C. ALONG INTERMEDIATE SUPPORTS

FFASTEN TOP PLATE WITH 16d NAILS AT 112" O.C., TYPICAL T.O.

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 2017 PER R301.2.1.1 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

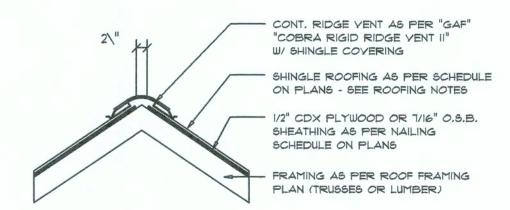
GENERAL TRUSS NOTES:

- 1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND 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, # TRUSS TO TRUSS CONNECTIONS.
- 2. TRUSS SHOP DRAWINGS SHALL BE SIGNED 4 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 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

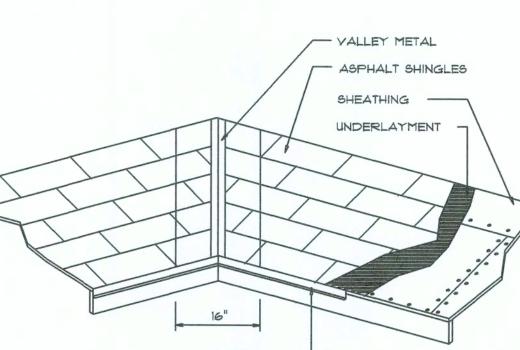
- I. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE".
- 2. ALL TRUSSES SHALL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

AREA OF ATTIC	REQ'D L.F. OF YENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.





MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05



YALLEY FLASHING

		ASPHALT SHINGLES
		SHEATHING -
		UNDERLAYMENT 7
7		7
		// //
	16"	
	10	
	EAVE DRIP -	
-1		

	TALS for FLASH SS REQUIREMENTS	HING/ROOF	ING
MATERIAL	MINIMUM THICKNESS (In)	GAGE	WEIGH
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALYANIZED STEEL	er10.0	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

Roofing/Flashing DETS. SCALE: NONE

SHEET NUMBER

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

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.

INDICATED IN THE CONSTRUCTION DOCUMENTS. THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT 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

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, ARCHITCT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR 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, LICENCED PROFESSIONAL ENGINEER.

PROJECT COORDINATION REQUIREMENTS

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



OBIE



JOB NUMBER 20190503

OF4 SHEETS

TYPE OF CONSTRUCTION

Gable Construction, Wood Trusses @ 24" O.C., 4" X 6" CYP rafters @ 48" OCit porch 2x Wood Studs @ 16" O.C. Walls:

2X 10 SP #2 FLOOR JOISTS @ 26" O.C. W/ 3/4" T & G plywood sub-floor Continuous Stem Wall foundation system with interior piers Foundation:

ROOF DECKING

5/8" CD Plywood or 7/16" O.S.B. Material: Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing

8d Common Nails per schedule on sheet A.7 SHEARWALLS

1/2" CD Plywood or 7/16" O.S.B. Material: 48"x96" Sheets Placed Vertical, stagger each sheet. 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Fasteners: Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C. Wall Studs: 2x 6 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.

Porch Column Base Connector: (6) log toe-screws Porch Column to Beam Connector: (6) log toe-screws

FOOTINGS AND FOUNDATIONS

Footing: 20"x 10" Cont. W/ (2) #5 Bars Cont. on wire chairs or (1) #3 Transverse @ 24" O.6. Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE - PER R301.2.1.1 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 7-10. 2014 FBC 1609-A WIND YELOCITY: YULT = 130 MPF YASD = 101 MP4

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: 40 PSF RESIDENTIAL 60 PSF BALCONIES

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

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 RET-ARDER 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 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'-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 TRUSS TO WALL: SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS 9960# GIRDER TRUSS TO POST/HEADER: SIMPSON LGT, W/ 28 - 16d NAILS 11785# HEADER TO KING STUD(S): SIMPSON ST22 11370# PLATE TO STUD: SIMPSON SP2 11065# STUD TO SILL: SIMPSON SP1 5585# SIMPSON PC44/EPC44 PORCH BEAM TO POST: 11700# PORCH POST TO FND .: SIMPSON ABU44 22200# MISC. JOINTS SIMPSON A34 3315#/240#

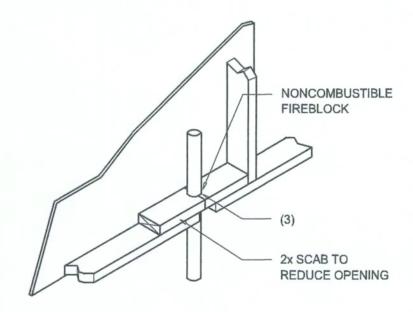
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

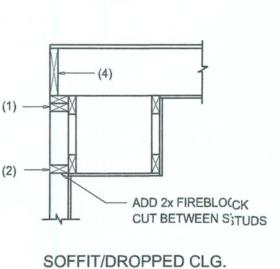
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

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:

PENETRATIONS

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

SCALE: NONE



_						
_		27	BUILDING (MEAN BUIL	COMPONENTS DING HEIGHT LE 2T TO 45	= 30.0', EXF	
	ZONE	ARE4	Vult 110 MPH	Yult 120 MPH	Vult 130 MPH	Vult 140 MPH
45,	1 1 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
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 / -4l.2 3l.4 / -39.4 30.2 / -37.1
1	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
MALL	10 10 10	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 EXPOSURE EXPOSURE EXPOSURE HEIGHT "B" "C" "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			

4		27	MEAN BUIL	COMPONENTS DING HEIGHT LE TÎTO 2TÎ		
	ZONE	AREA	Yult 110 MPH	Yult 120 MPH	Yult 130 MPH	Vult 140 MPH
2T	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 8.5 / -3 .4 6.1 / -30.2
T 10	2 2 2	10 20 50	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
ROOF	3 3 3	10 20 50	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.7 16.1 / -70.5
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
ΜM	10 10 10	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 EXPOSURE EXPOSURE 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			

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 IS REQUIRED.

UNDERLAYMENT:

ASPHALT SHINGLES:

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 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 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.

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 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:

 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 MODELS:

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

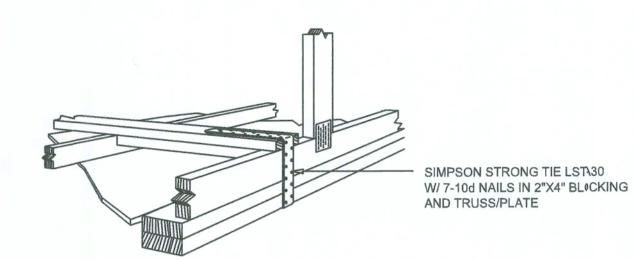
THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

SOFTPLAN

JOB NUMBER 20190503

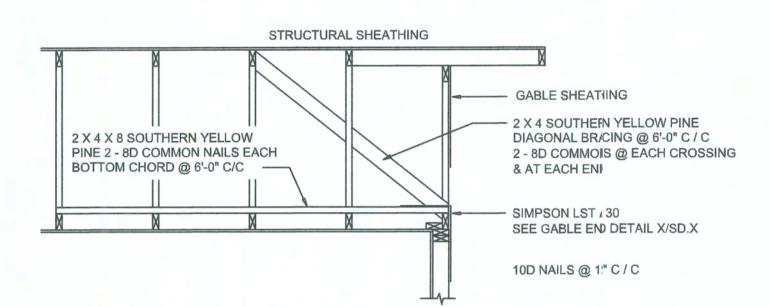
SHEET NUMBER

OF 4 SHEETS



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE



END WALL BRACING FOR CEILING DIAPHRAGM

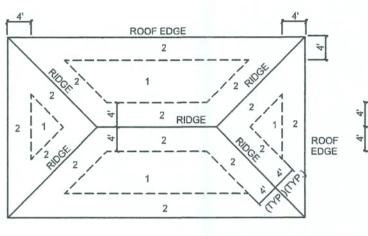
(ALTERNATIVE TO BALLOON FRAMING)

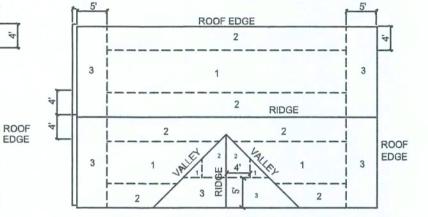
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

				ENTS & CLADD GHT = 30.0', EX		
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
	1 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^ TO 27^	2 2 2	10 20 50	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
ROOF	3 3 3	10 20 50	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 / -77.7 16.1 / -70.5
WALL	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
WA	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

F	ROOF SHEATI	HING FASTEN	NINGS	
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING	
2		8d COMMON OR	6 in. o.c. EDGE 12 in. o.c. FIELD	
	7/16 " O.S.B. OR 15/32 CDX	8d HOT DIPPED GALVANIZED	6 in. o.c. EDGE 6 in. o.c. FIELD	
3		BOX NAILS	4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE	

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





ROOF SHEATHING NAILING ZONES (HIP ROOF)

4-2x12

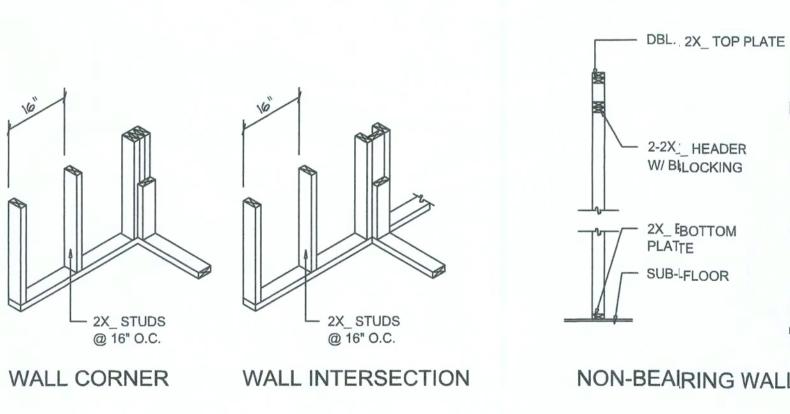
ROOF SHEATHING NAILING ZONES (GABLE ROOF)

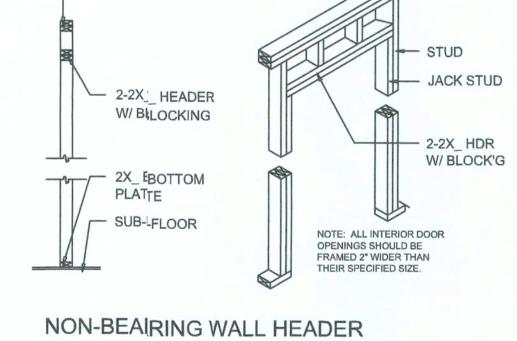
Roof Nail Pattern DET.

SCALE: NONE

HEADER	SPANS FO	R EXTE	RIOR BE	ARING I	WALLS		
		BUILDINIG WIDTH (FT)					
HEADERS	HEADER		20'		28'	3	36'
SUPPORTING:	SIZE	SPAN	# JACKS	SPAM	# 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'-1'1"	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'-77"	2	9'-5"	2

1 12'-22"

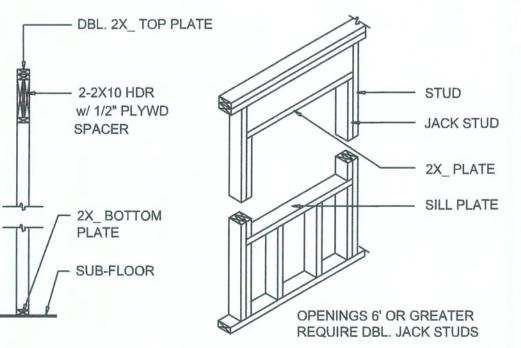




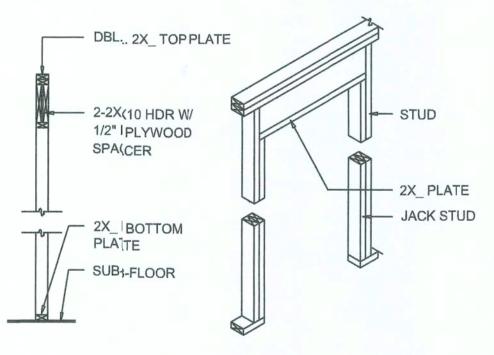
9'-2"

9'-5"

10'-11"



TYPICAL WINDOW HEADER

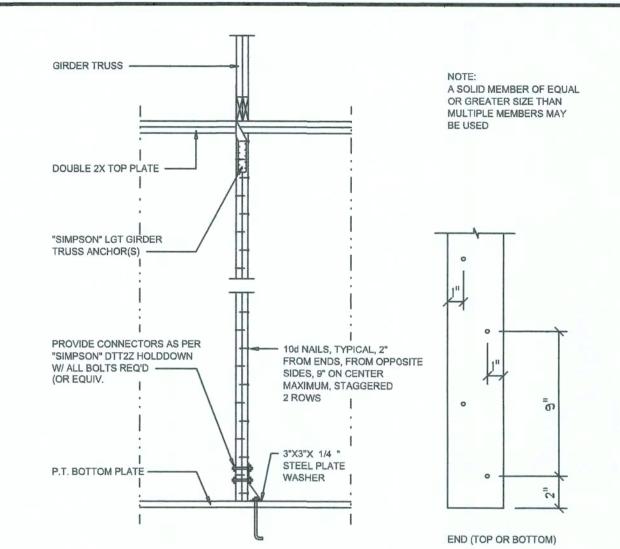


BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

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



"WindSTORM" ALT. SHEATHING METHOD:

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:

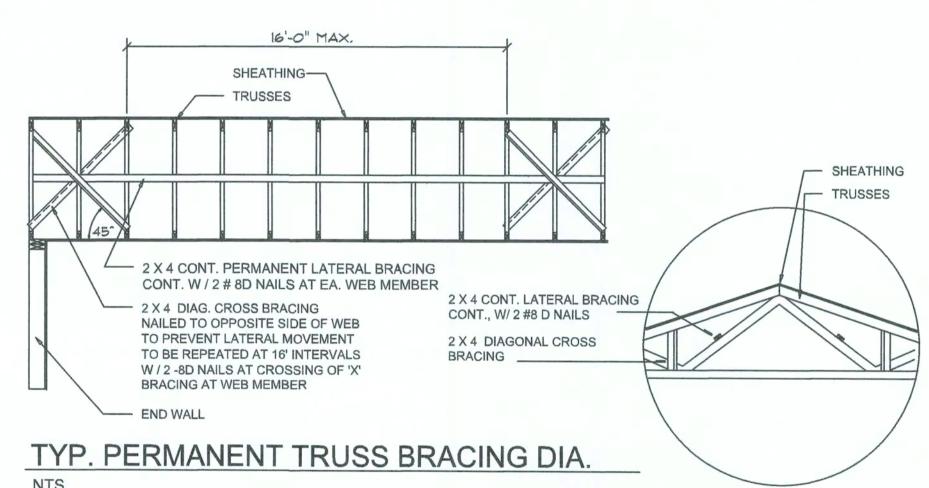
APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 8d COMMONS @ 4" O.C. SHEATHING SHEATHING SHEATHING SHEATHING O.C. OR 8d COMMONS @ 8" O.C.

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.

Girder Truss Column DET.

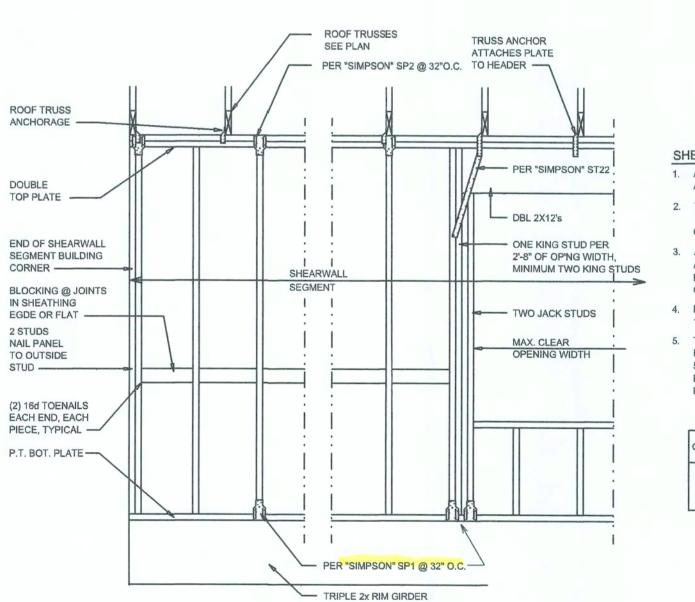
SCALE: 1/2" = 1'-0"



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



SCALE: AS NOTED



D

- . ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
- 2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW
- 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 6" O.C. EDGES AND 12" 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	JACK STUDS	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

Shear Wall DETAILS

SCALE: NONE

DETAIL

FRAMING I

OBIE



JOB NUMBER 20190503

SHEET NUMBER **S.4**

OF 4 SHEETS