

DIMENSIONED SCALE:

SWIND: CR05

出

@ WM DESIGN & 1550CIATES, INC. 4265W COMMERCE DR. STE 136 LAKE CITY, FL 32025 (386) 758-8406 will@willmyers.net



JOB NUMBER 20210430

SHEET NUMBER

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

Garage fire separations shall comply with the followng:

2. Ducts in a private garage and ducts penetrating the walls or ceiligs separating the dwelling unit from the garage shall be constructed of a minimum 0.09-inch (0.48 mm) sheet steel and shall have no openings into the garage.

A separation is not required between a Group R-3 and U carportrovided the carport is entirely open on two or more sides and there are not enclosed areaabove.

4. When installing an attic access and/or pull-down stair unit in the ₃rage, devise shall have a minimum 20 min. fire rating.

AREA SUMMARY 1,676 S.F. ENTRY PORCH AREA 136 S.F.

**COVERED PORCH AREA** 160 S.F. GARAGE AREA 516 S.F. TOTAL AREA 2,488 S.F.

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

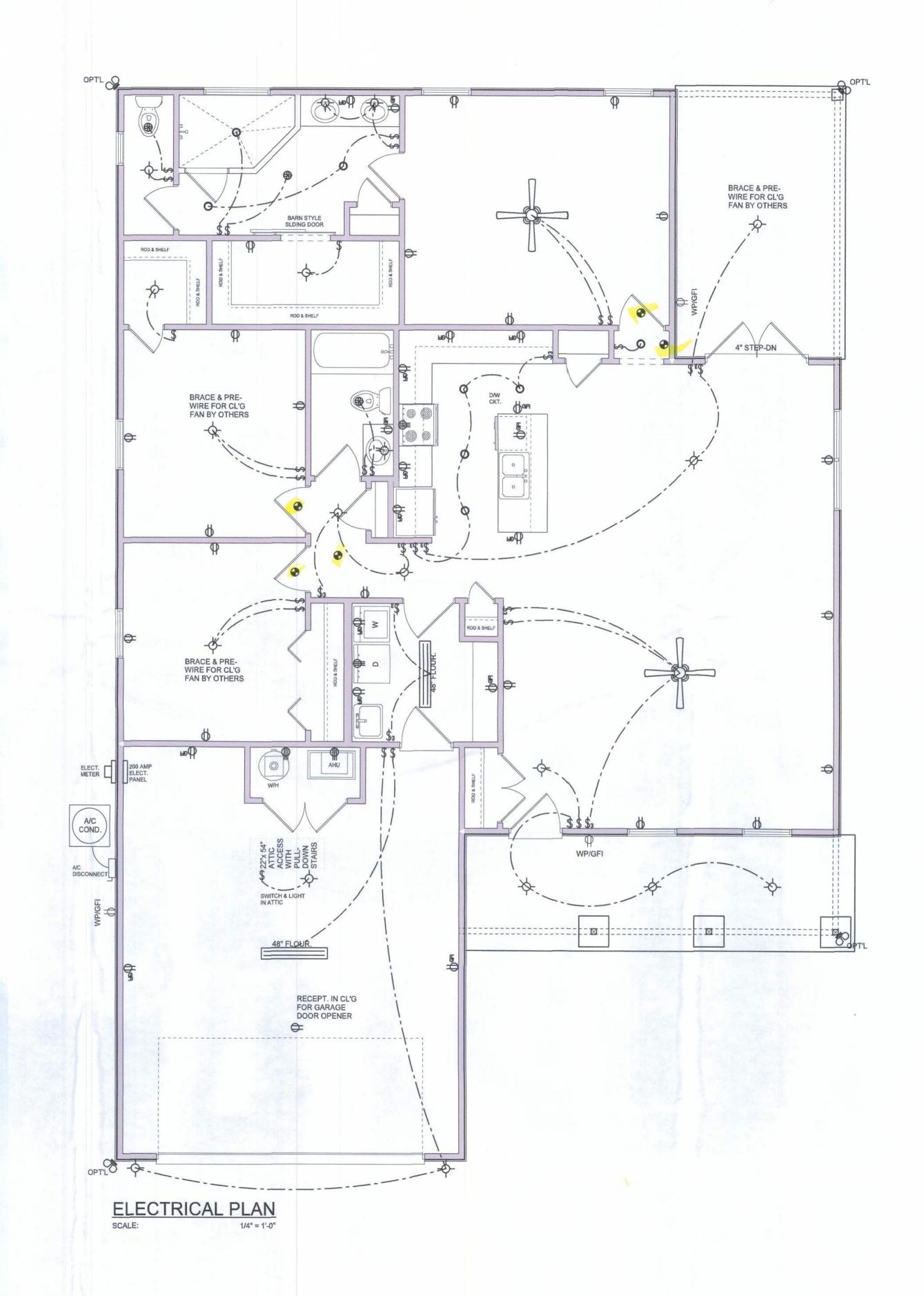
NOTE: ALL INTERIORECEPTACLES SHALL BE AFCI (ARC FAULTRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER NEC 406.11

ALL INTERIO& EXTERIOR LIGHTING SHALL MEET OR EXCEED THE MIN. 75% HIGH-EFFICIENCY LIGHTING PEFBC-ENERGY CONSERVATION R404.

ALL SMOKE:TECTORS BE A COMBO SMOKE & CARBON MONOXIDE DETECTOR AND SHALL IVE BATTERY BACKUP POWER AND ALL WIFD TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY ALL ACTIVAT

THE ELECTFAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE INSTALLED (THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEANS. CONDUCTOI USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB PANEL SHALHAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR SHALL BE U:D AS AN EQUIPMENT GROUND.

IT IS THE LICISED ELECTRICAL CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL WORK PERRIMED AND EQUIPMENT INSTALLED MEETS OR EXCEEDS THE 2017 (NFPA-70) NATIONAL ELECTRIC C/E AND ALL OTHER LOCAL CODES AND ORDINANCES.



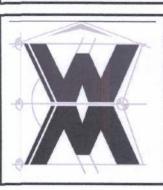
April 30, 2021

LECTRICAL PLAN

9, CROSSWINDS
DDRESS: COLUMBIA COUNTY, FLORIDA

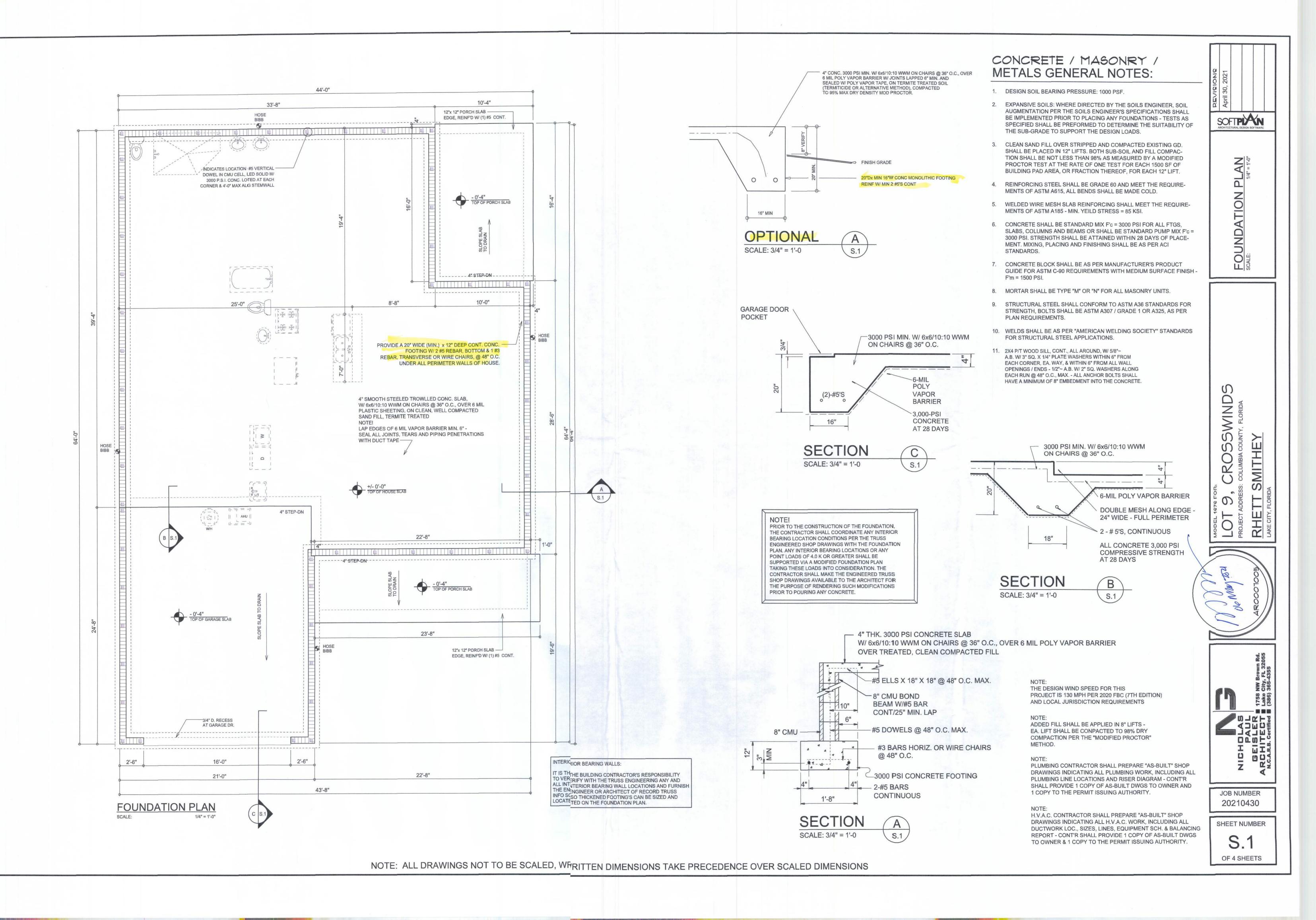
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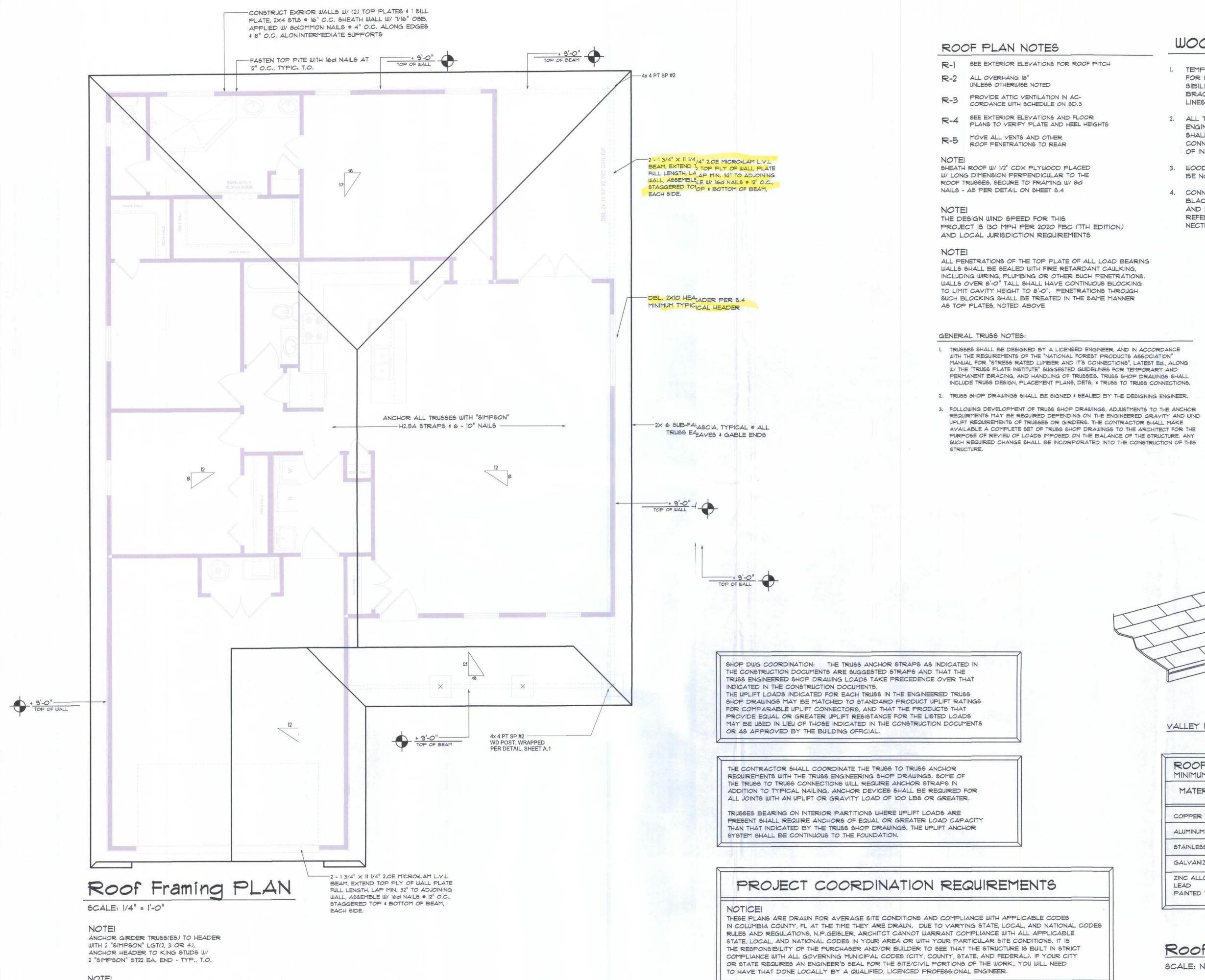
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JOB NUMBER 20210430

A.3





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

REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET S.4 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES

MINIMUM SIZE ALLOWABLE IS 2-2×10.

# WOOD STRUCTURAL NOTES

- 1. 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 GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CON-NECTIONS.

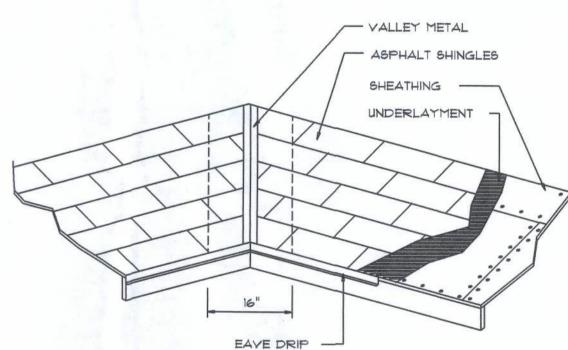
AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.

PLAN (TRUSSES OR LUMBER)

- CONT. RIDGE VENT AS PER "GAF" "COBRA RIGID RIDGE VENT II" W/ SHINGLE COVERING SHINGLE ROOFING AS PER SCHEDULE ON PLANS - SEE ROOFING NOTES - 1/2" CDX PLYWOOD OR 7/16" O.S.B. SHEATHING AS PER NAILING SCHEDULE ON PLANS - FRAMING AS PER ROOF FRAMING

MIAMI/DADE PRODUCT APPROVAL REPORT: \*98-013.05

# Ridge Vent DETAIL



VALLEY FLASHING

	ETALS for FLAS ESS REQUIREMENTS	The state of the s	ING
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGH
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	er10.0	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.027		40 20

Roofing/Flashing DETS.

CF 4 SHEETS

SOFTPIAN

SM

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JOB NUMBER 20210430

SHEET NUMBER

Compliance Summary

#### TYPE OF CONSTRUCTION

Roof: Gable & Hip Construction, Wood Trusses @ 24" O Walls: 2x 4 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 syste

#### ROOF DECKING

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

Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Commons 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 & E.
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 ABU44/ABU66 @ each conn
Porch Column to Beam Connector: Simpson EPC44/PC44 @ each lumn

#### FOOTINGS AND FOUNDATIONS

Footing: 20"x 12" Cont. W/ (2) #5 Bars Cont. on wire chairs or (1) #3 Transrse @ 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 2026LORIDA BUILDING CODE (1TH EDITION) AND OTHER REFERENCED CODESAND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LITEST EDITION AT TIME OF PERMIT.

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

BASED ON ANSI/ASCE 7-10. 2020 FBC 1609-A WIND VELOCITY: LT = 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 ..... 40 PSF BALCONIES ..... 60 PSF

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 PROVER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHARD PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6

 CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1" 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

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WA. 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 PERIMER 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 AFTE 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 TREATMET. FBC 1816.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEIRT-MENT BY # LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE C OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENON OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH IE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CISUMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE RENVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRAI STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTNING MATERIAL. FBC 2303.1.3

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BEURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

## FRAMING ANCHOR SCHEDULE

MANUF'R/MODEL APPLICATION SIMPSON H2.5A (OR EQUIVALENT), W/ 6 6 - 10d NAILS TRUSS TO WALL: 960# SIMPSON LGT, W/ 28 - 16d NAILS GIRDER TRUSS TO POST/HEADER: 1785# HEADER TO KING STUD(S): SIMPSON ST22 1370# SIMPSON SP2 PLATE TO STUD: 1065# SIMPSON SP1 STUD TO SILL: 585# SIMPSON PC44/EPC44 PORCH BEAM TO POST: 1700# PORCH POST TO FND.: SIMPSON ABU44 2200# SIMPSON A34 MISC. JOINTS 315#/240#

NOTE:

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

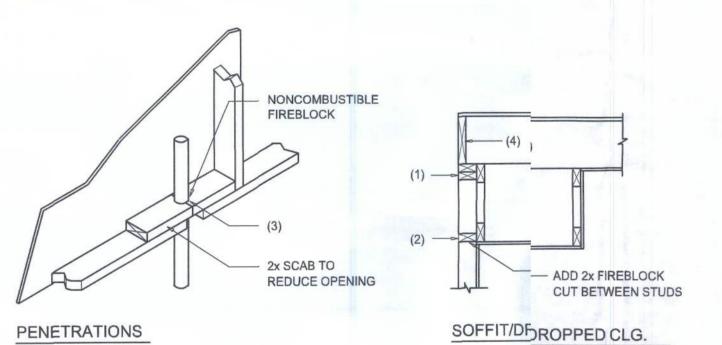
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/S/ JOINT REINFORCEMENT AND FASTENERS.

NOTE:
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

NOTE:
"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:

 IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.

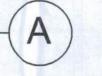
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

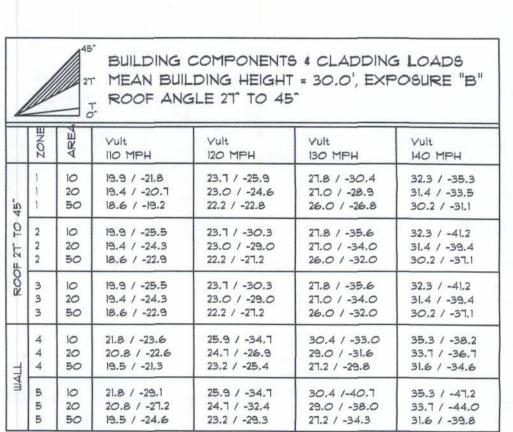
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"

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





	EXPOSURE AT		Marie Commission of the Commis
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE	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

### 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.

 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.

## /ALLEVO

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.

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

TAILS SHE

SCFTPLAN

DETAILS

T 9, CROSSWINDS

T ADDRESS: COLUMBIA COUNTY, FLORIDA

ETT SMITHEY

1758 NW Brown Rd.
Lake City, FL 32055
1386 3654355

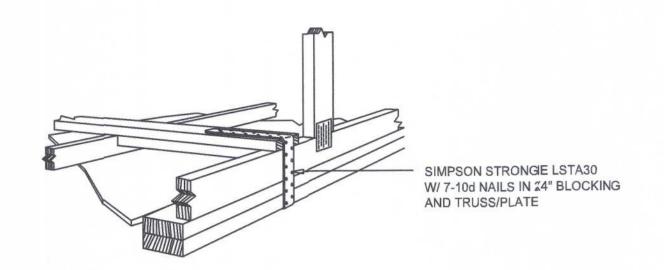
NICHOLAS PAUL GEISLER ARCHITECT 1756 N.C.A.R.B. Certified (386

JOB NUMBER 20210430

SHET NUMBER

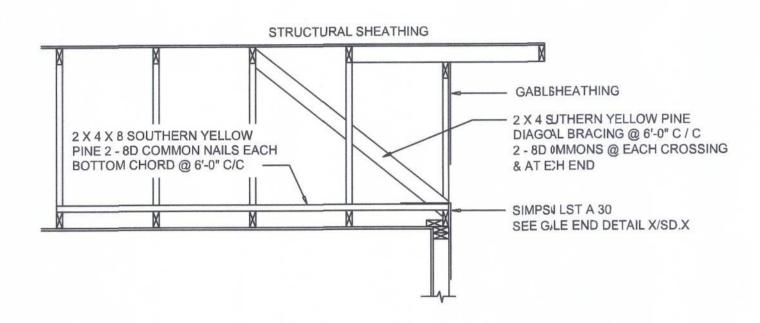
OF 4 SHEETS

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



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

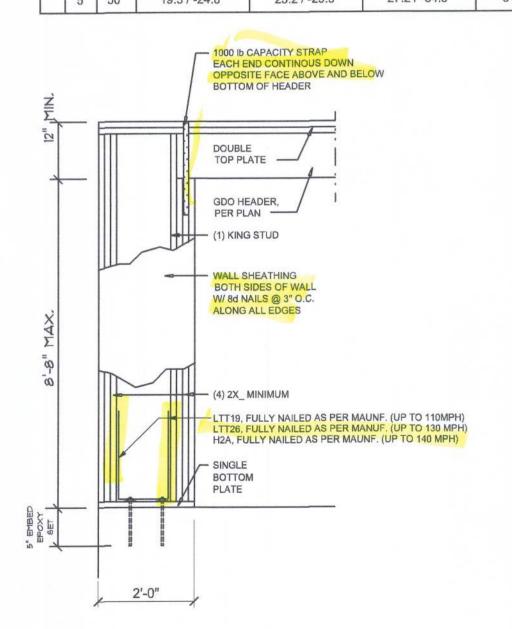


# END WALL BRACING FOR **CEILING DIAPHRAGM**

(ALTERNATIVE TO BALLOON FRAMIG)

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLO' PINE

	IV	EAN	BUILDING HEI	GHT = 30.0', E>	KPOSURE "B"	
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MI
	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / 4.3
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 /4
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / 4.2
210	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / 4.2
2	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 /7
</td <td>2</td> <td>50</td> <td>10.0 / -28.2</td> <td>11.9 / -33.6</td> <td>13.9 / -39.4</td> <td>16.1 / ₹.7</td>	2	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / ₹.7
2002	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / 4.1
Ÿ	3	20	11.4 /-47.9	13.6 / -57.1	16.0 / -67.0	18.5 / :.7
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / 4.5
_	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / 1.2
	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / 4.7
1	4	50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / 4.6
WALL	5	10	21.8 / -29.1	25.9 / -34.7	30.4 /-40.7	35.3 / 1.2
	5	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / 4.0
	5	50	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / 1.8

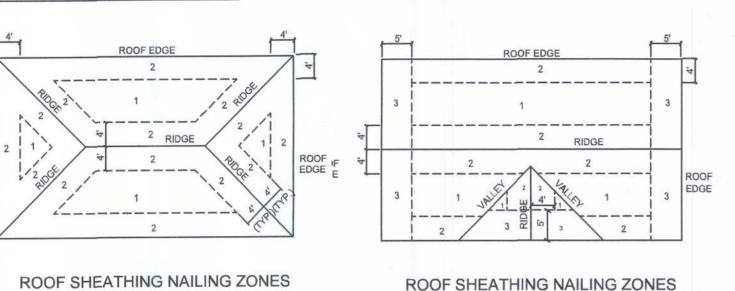


Garage End Wall DETAIL G SCALE: NTS

F	ROOF SHEATI	HING FASTEN	NINGS
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1		8d COMMON OR	6 in. o.c. EDGE 12 in. o.c. FIELD
2	7/16 " O.S.B. OR 15/32 CDX	" O.S.B. 8d HOT DIPPED	6 in. o.c. EDGE 6 in. o.c. FIELD
3		BOX NAILS	4 in. o.c. @ GABLE ENDWALI OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD

FFOR BUIL	DING COMPONE	ENTS & CLADDII	NG
Bl <sub>BLDG</sub> HI <sub>HEIGHT</sub>	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE
<sup>15</sup> 15	1.00	1.21	1.47
2C <sub>20</sub> 2E <sub>25</sub> 3C <sub>30</sub>	1.00	1.29	1.55
<sup>25</sup> 25	1.00	1.35	1.61
<sup>30</sup> 30	1.00	1.40	1.66

(GABLE ROOF)



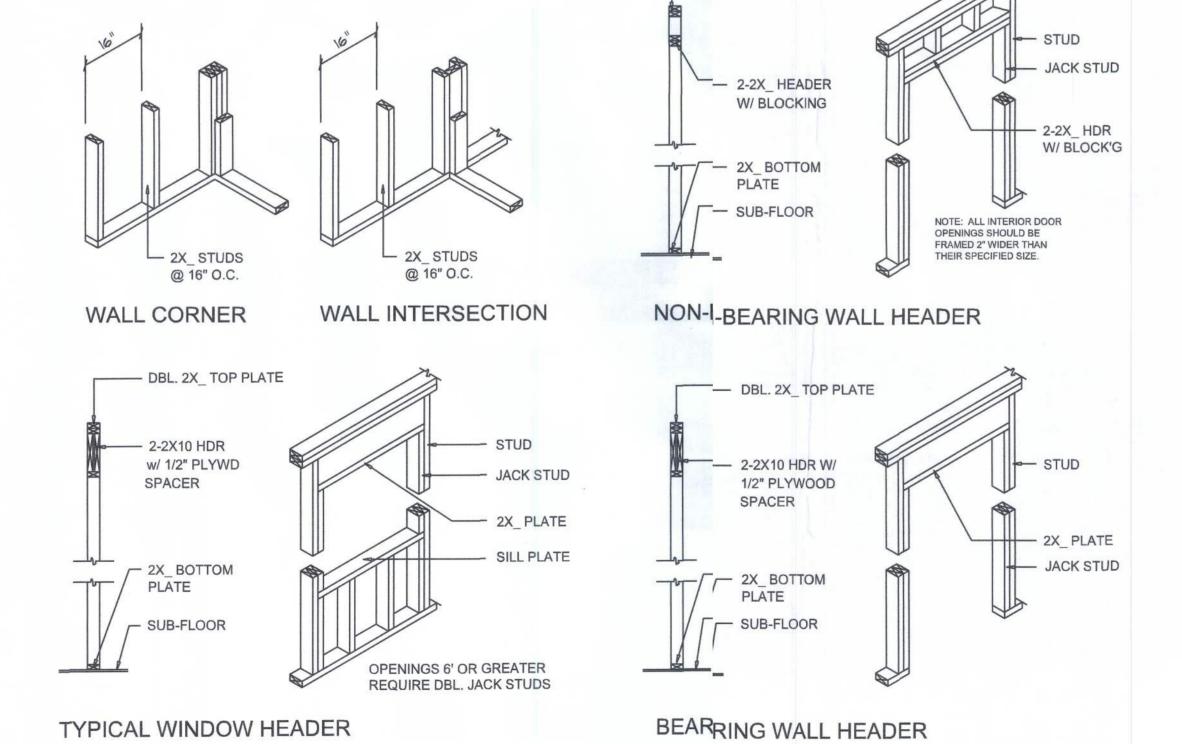
Roof Nail Pattern [DET.

(HIP ROOF)

SCALE: NONE

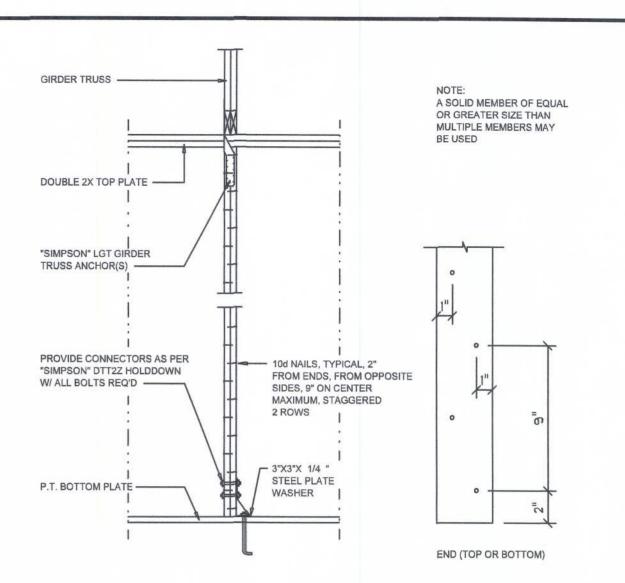
		T	BU	DINI DINO V	MIDTH (ET)		
			20'	BUILDING V			201
HEADERS SUPPORTING:	HEADER				28'	3	36'
	SIZE	SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
ROOF, CEILING	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	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"	-

— DBL. 2X\_TOP PLATE



Wall Framing/Header DETAILS

SCALE: NONE



"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., 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. (MIN. 4" EMBED)

DET

ROSSWIND

9

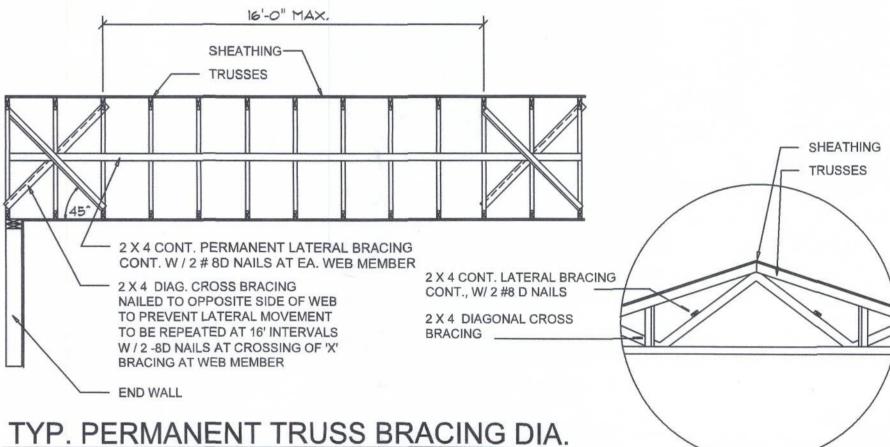
SM

RH

SOFTPIAN

Girder Truss Column DET.

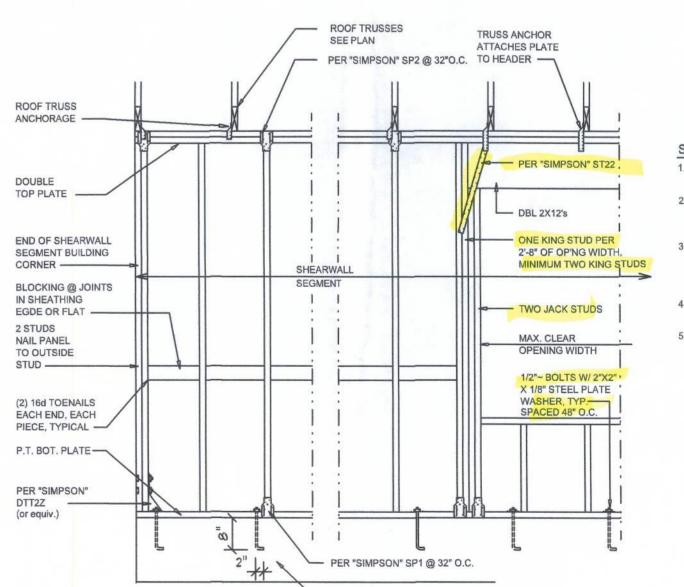
SCALE: 1/2" = 1'-0"



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

Truss Bracing DETAILS

SCALE: AS NOTED



SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBCI 305.4.3.
- . 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 OR ALONG BLOCKING.
- NAIL SPACING SHALL BE 4" O.C. EDGES AND
- 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

**Shear Wall DETAILS** 

SCALE: NONE

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

20210430

SHEET NUMBER **S.4** OF 4 SHEETS

JOB NUMBER