

FLOOR PLAN

GENERAL NOTES:

ALL CEILING HEIGHTS SHALL BE 9'-0" UNLELESS OTHERWISE NOTED. ALL WINDOW HEAD HEIGHTS SHALL BE 6'-5'-8" AFF.

Garage fire separations shall comply with the following:

1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors, or solid or honeycomb core steel doors not less than 13/8 inches (34.9 mm) thick, or doors in compliance with Section 715.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.

Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.

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

AREA SUMMARY

LIVING AREA 1,523 S.F. **GARAGE AREA** 121 S.F. COVERED PORCH AREA **ENTRY PORCH AREA** 55 S.F.

TOTAL AREA 2,160 S.F.

461 S.F.

SHEET NUMBER

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ASSCCIATES, NC. 426 SW COMMERCE DR. STE 130

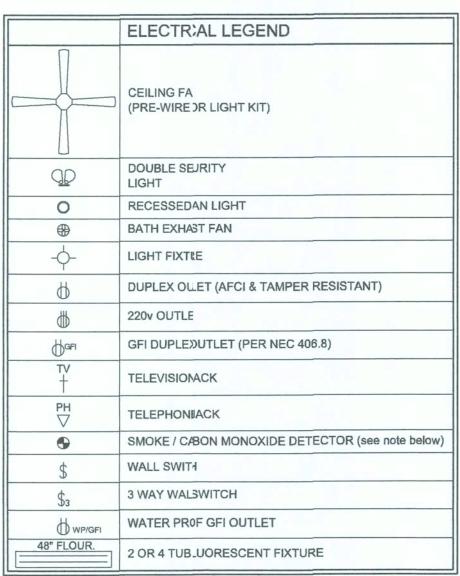
LAKECITY, FL 32025

(386) 758-8406 will@willmyers.net

JOENUMBER

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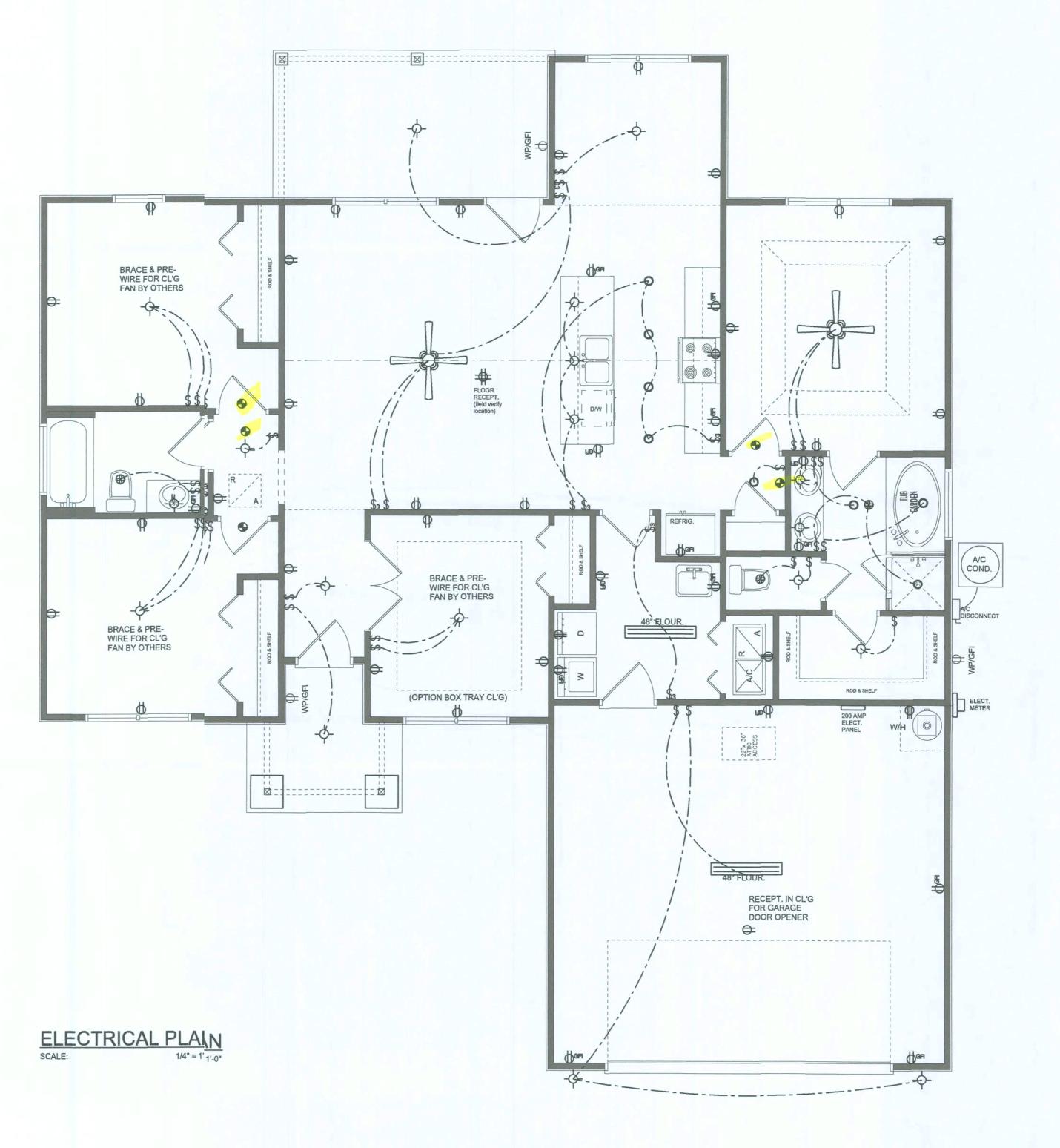


ALL INTERIOR RECEPTACLES SHIL BE AFCI (ARC FAULT CIRCUIT INTERRUPTIER NEC 210.12 & TAMPER RESISTANT PER

ALL SMOKE DETECTORS BE A CCBO SMOKE & CARBON MONOXIDE DETECTOR AND SHALL HAVE BATTERY BACKP POWER AND ALL WIRED TOGETHER SO INNY ONE UNIT IS ACTUATED THEY ALL ACTIVATE.

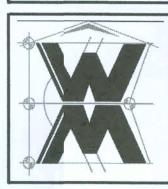
THE ELECTRICAL SERVICE OVERJRRENT PROTECTION DEVICE SHALL BE INSTALLED ON THE EXTERIOR OF TRUCTURES TO SERVE AS A DISCONNECT MEANS.
CONDUCTORS USED FROM THE ITERIOR DISCONNECTING MEANS TO A PANEL OR SUB
PANEL SHALL HAVE FOUR-WIRE INDUCTORS, OF WHICH ONE CONDUCTOR SHALL BE USED AS AN EQUIPME! GROUND.

IT IS THE LICENSED ELECTRICAL ONTRACTORS RESPONSIBILITY TO INSURE THAT ALL WORK PERFORMED AND EQUIPMIT INSTALLED MEETS OR EXCEEDS THE NFPA70 2014 NATIONAL ELECTRIC CODE AND ALL OTHEROCAL CODES AND ORDINANCES.



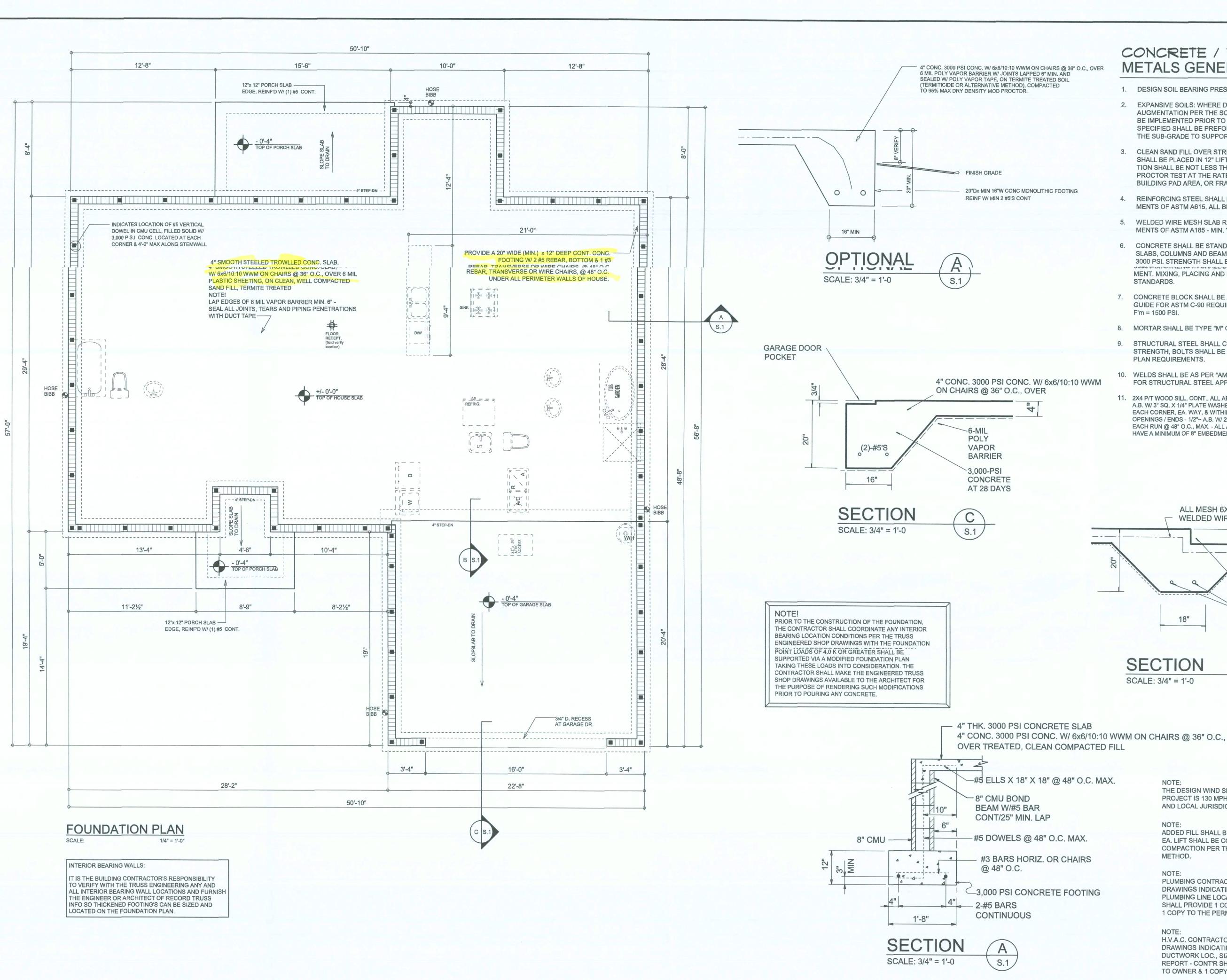
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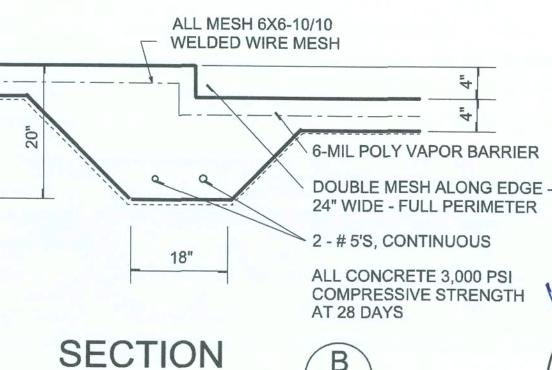
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CONCRETE / MASONRY / **METALS GENERAL NOTES:**

- 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.
- 3. 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.
- 5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
- 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.
- 7. 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.
- 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.



THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 PER R301.2.1.1

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.

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 1 COPY TO THE PERMIT ISSUING AUTHORITY.

S.1 /

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.

SOFTPIAN ARCHITECTURAL DESIGNATION

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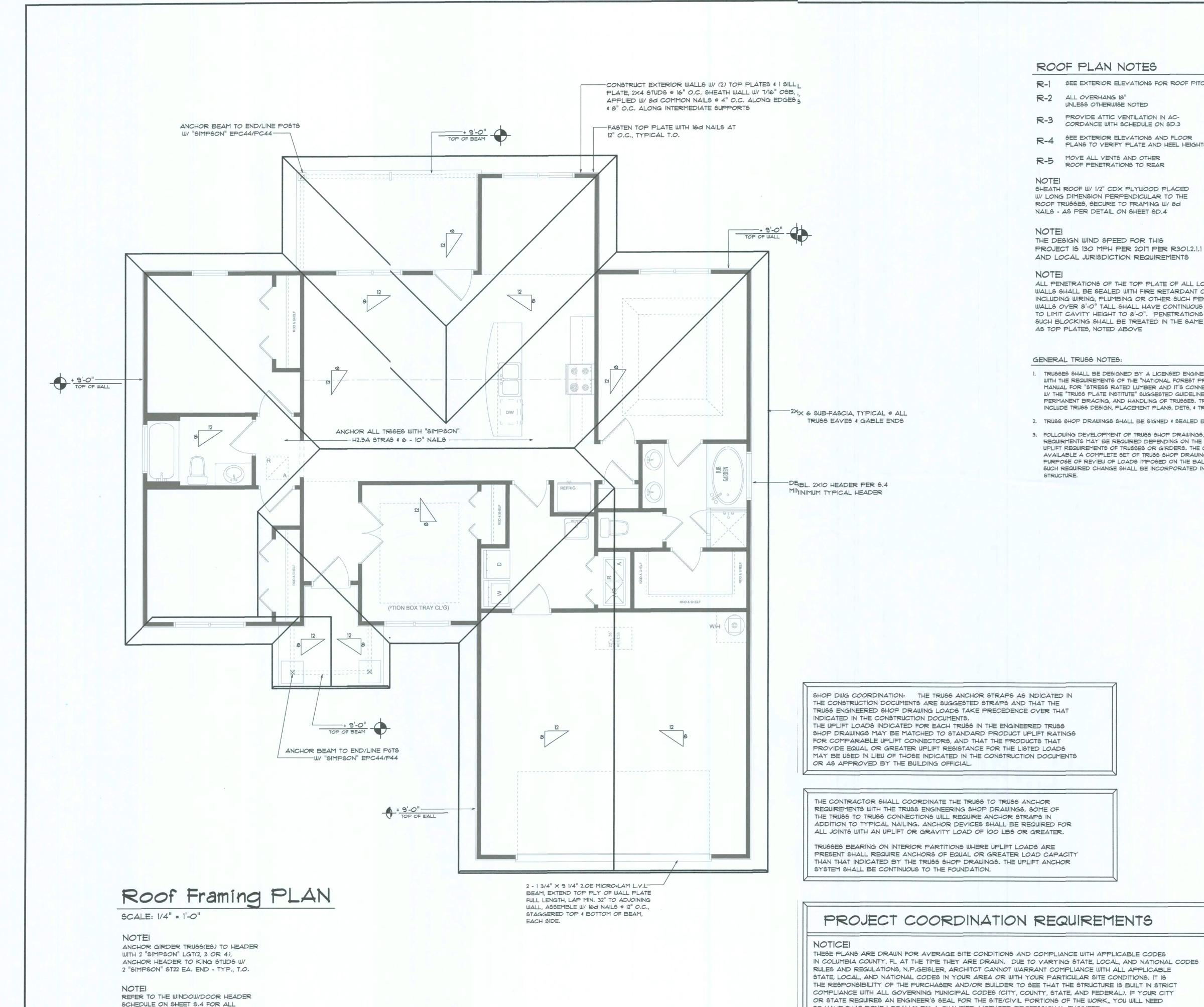
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1758 Lake (386) TOPO FILE GEIS GEIS N.C.A.R.B.

JOB NUMBER 20200730

SHEET NUMBER

OF 4 SHEETS



MINIMUM SIZE HEADERS AND ALTERNATES

MINIMUM SIZE ALLOWABLE IS 2-2×10.

ROOF PLAN NOTES

R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH

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

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

NOTE

THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 PER R301.2.1.1 AND LOCAL JURISDICTION REQUIREMENTS

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'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

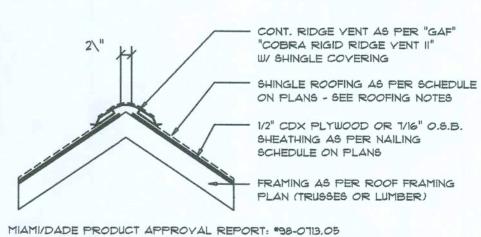
GENERAL TRUSS NOTES:

- 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, & 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 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.

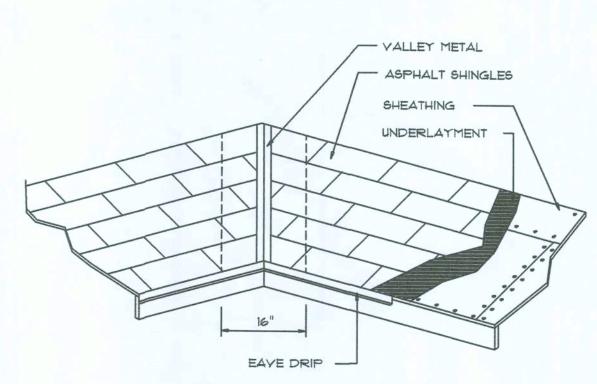
WOOD STRUCTURAL NOTES

- 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-

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.







VALLEY FLASHING

	TALS for FLAS		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

Roofing/Flashing DETS.



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

TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.

LP

SOFIPIAN

JOB NUMBER 202)0730

SHEETNUMBER

OF 43HEETS

FLORIDA BUILDING CODE

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 stem

ROOF DECKING

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

48"x96" Sheets Perpendicular to Roof Framing Sheet Size: 8d Commons or ring-shank nails per schedule on sheet S.4 Fasteners:

SHEARWALLS

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

48"x96" Sheets Placed Vertical, stagger each sheet. Sheet Size: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Fasteners: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C. Dragstrut:

2x4 Wood Studs @ 16" O.C. Wall Studs:

HURRICANE UPLIFT CONNECTORS SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAB Truss Anchors: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top Bot. Wall Tension: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner Anchor Bolts: (1) DTT2Z (or equiv.) @ each corner Corner Hold-down Device: Simpson ABU44/ABU66 @ eactolumn Porch Column Base Connector:

FOOTINGS AND FOUNDATIONS

Porch Column to Beam Connector:

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

Simpson EPC44/PC44 @ eh column

STRUCTURAL DESIGN CRITERIA:

. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 217 FLORIDA BUILDING CODE - PER R301.2.1.1 AND OTHER REFERENCED CDES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL E LATEST EDITION AT TIME OF PERMIT.

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

..... 60 PSF

BASED ON ANSI/ASCE 1-10. 2017 FBC 1609-A WIND YELOCITY VULT = 130 MPH YASD = 101 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: 40 PSF RESIDENTIAL

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

BALCONIES

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PFVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWALHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATERR ELECTRIC PANEL. FBC 104.2.6

2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAS 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRA HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WAS.

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN/ALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5" 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 RETREAT) INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATIO 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 RE ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

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

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6 11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATIVE.

ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALI

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

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDINGEPART-MENT BY # LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATOR OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALSTATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PRE\NTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WHITHE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE ANCONS-UMER SERVICES". FBC 1816.1.7

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

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

FRAMING ANCHOR SCHEDULE

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

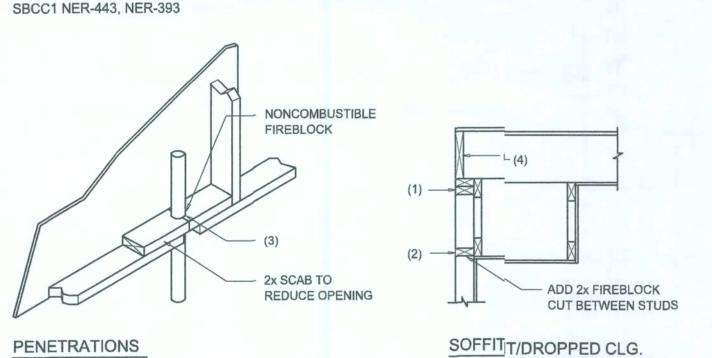
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHEFRWISE.

REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHGORS/ 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



FIREBLOCKING NOTES:

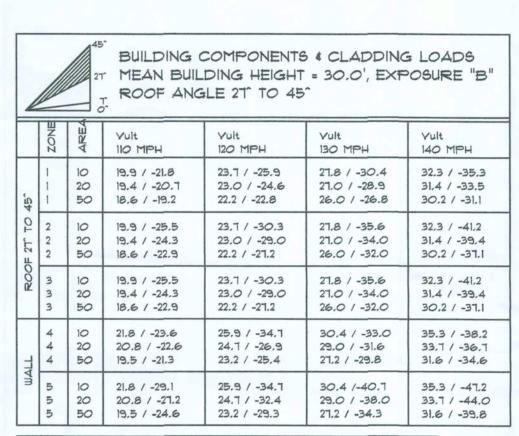
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

- 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRELD SPACES AT CEILING AND FLOOR LEVELS.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONT, TAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- 3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT, T CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
- 4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL ORIR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH H OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE





		DJUSTMENT CO NENTS & CLAD		
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"	
15 20	1.00	1.21	1.47 1.55	
25 3 <i>O</i>	1.00	1.35	1.61	

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

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.

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: 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 ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

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

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



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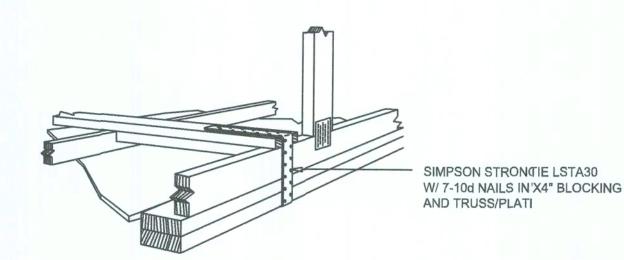
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JOB NUMBER 20200730

SHEET 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

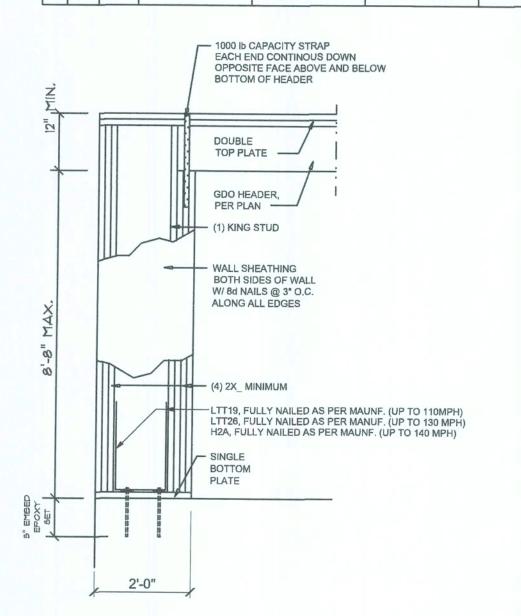
STRUCTURAL SHEATHING GABLEHEATHING 2 X 4 SUTHERN YELLOW PINE 2 X 4 X 8 SOUTHERN YELLOW DIAGCAL BRACING @ 6'-0" C / C PINE 2 - 8D COMMON NAILS EACH 2 - 8D DMMONS @ EACH CROSSING BOTTOM CHORD @ 6'-0" C/C -& AT ECH END SIMPSN LST A 30 SEE GALE END DETAIL X/SD.X 10D NAS @ 12" C / C

END WALL BRACING FOR CEILING DIAPHRAGM

(ALTERNATIVE TO BALLOON FRAMIG)

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

	-		INIO OOMBON			
				ENTS & CLADD IGHT = 30.0', EX		
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MP
	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 / -13 18.5 / -14 16.1 / -12
ROOF 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 / -{2 18.5 / -{7 16.1 / -47
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 / -£1 18.5 / -77 16.1 / -75
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 / -32 33.7 / -37 31.6 / -36
W	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 / -42 33.7 / -40 31.6 / -38



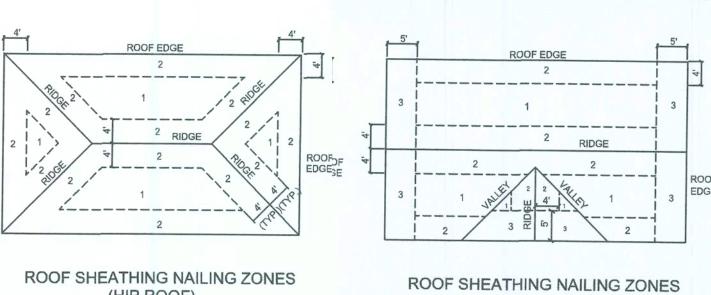
Garage End Wall DETAIL SCALE: NTS

F	ROOF SHEAT	HING FASTEN	IINGS
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	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 6 in. o.c. FIELD

SCALE: NONE

	EXPOSURE AD DING COMPONE		
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

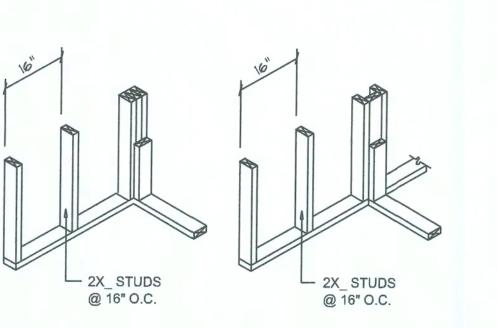
(GABLE ROOF)

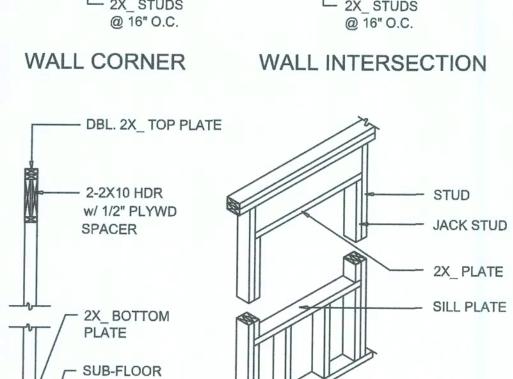


(HIP ROOF)

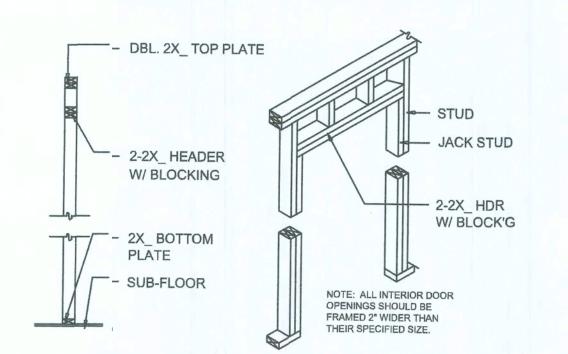
Roof Nail Pattern IDET.

HEADER	SPANS FO	R EXTE	RIOR BEA	ARING \	WALLS		
			В	BUILDING V	WIDTH (FT)		
HEADERS	HEADER		20'		28'	3	36'
SUPPORTING:	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"	1

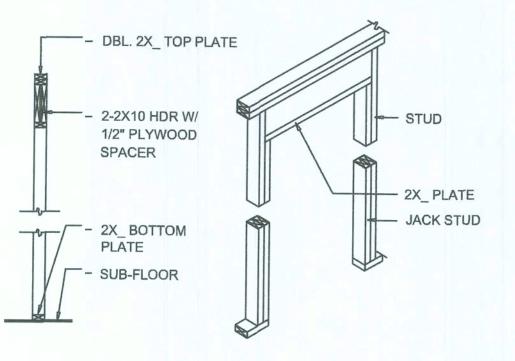








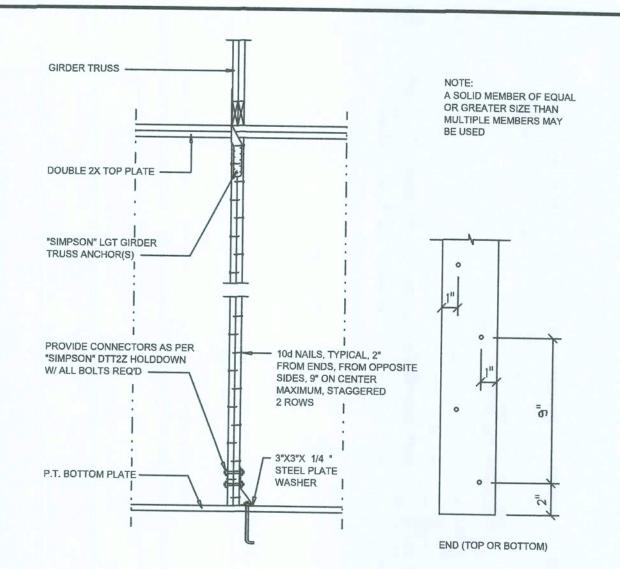
NON-EBEARING WALL HEADER



BEARIING WALL HEADER

Wall Framing/Header DETAILS SCALE: NONE

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



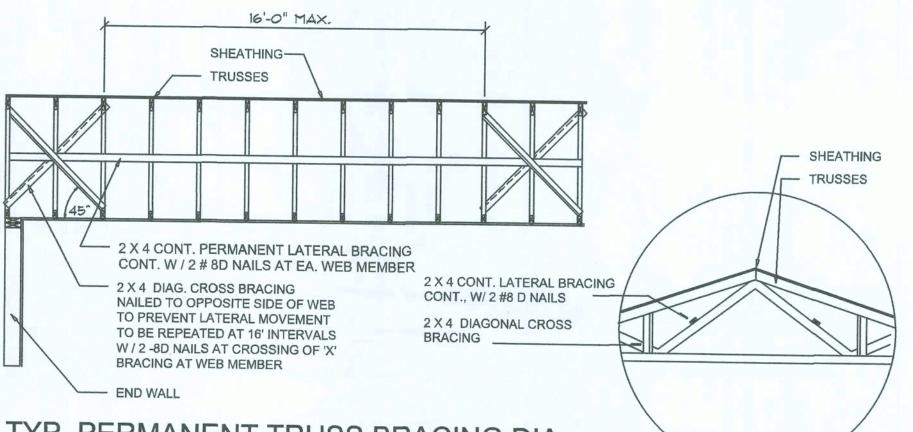
"WindSTORM" ALT. SHEATHING METHOD: ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE
TO THE FOUNDATION IN LIEU OF THE SP1/SP2 OR SP4 STRAPS
INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:

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 @ 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

Girder Truss Column DET.

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

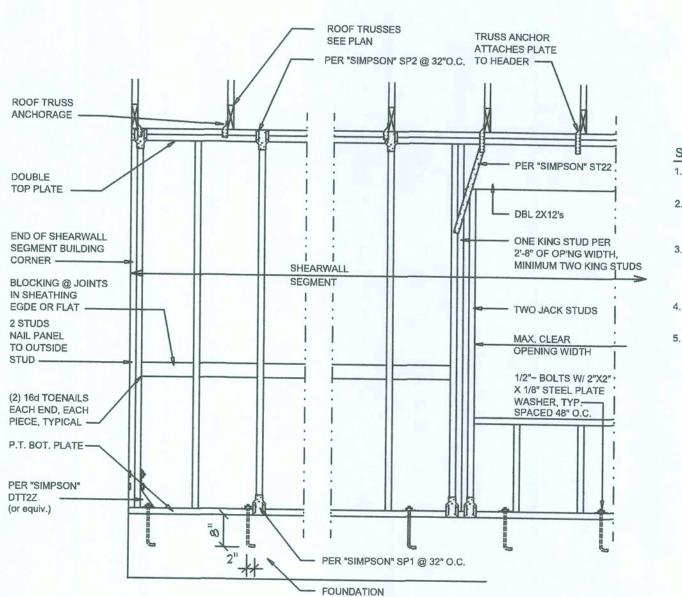


TYP. PERMANENT TRUSS BRACING DIA.

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.

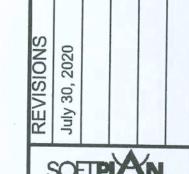
- 2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW 3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT
- OR ALONG BLOCKING. 4. NAIL SPACING SHALL BE 4" O.C. EDGES AND
- 8" O.C. IN THE FIELD. TYPE 2 SHEARWALLS ARE DESIGNED 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").

PANELS OCCURING OVER COMMON FRAMING MEMBERS

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



Ш EAGL **JRKE** LIPSCOMB 30, 30,

GEISI CARIE

JOB NUMBER 20200730

SHEET NUMBER OF 4 SHEETS