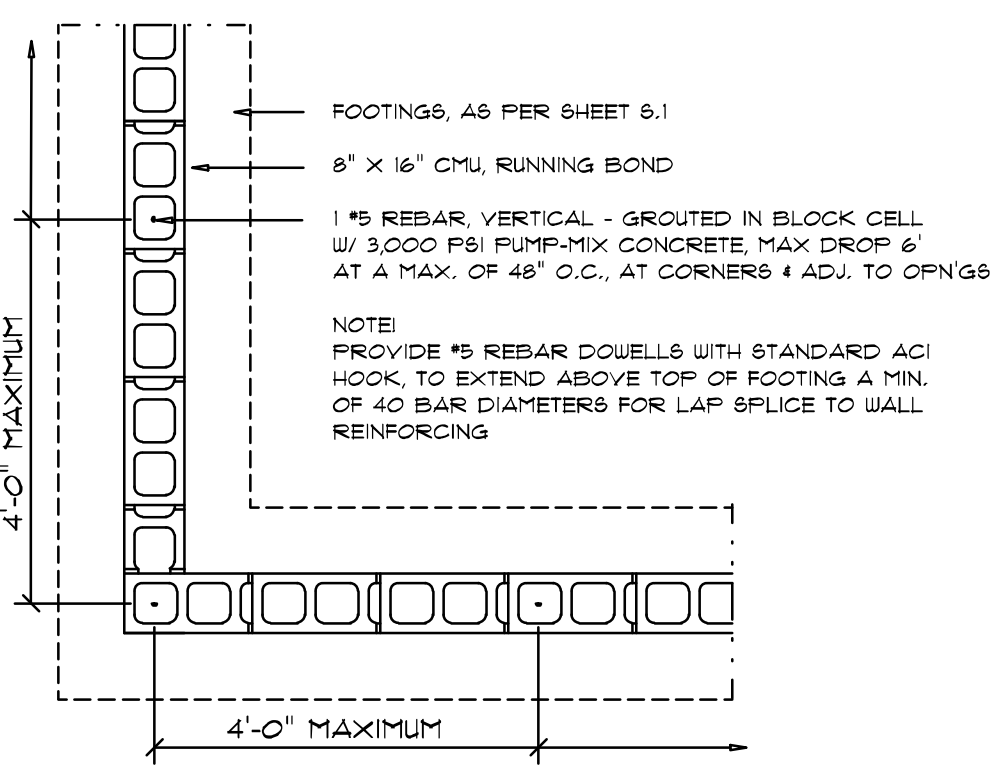
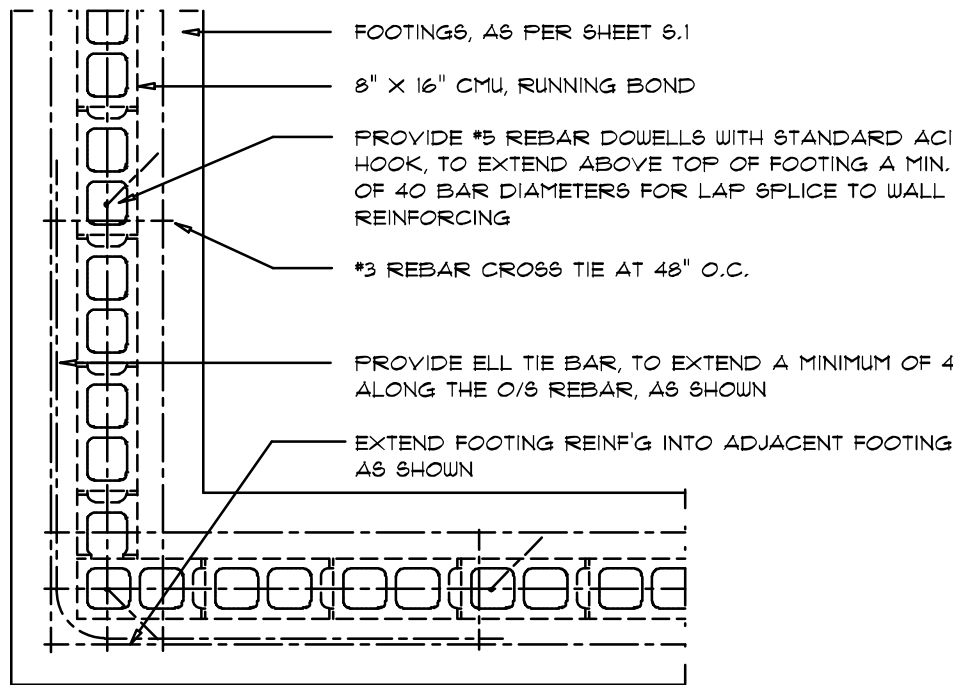


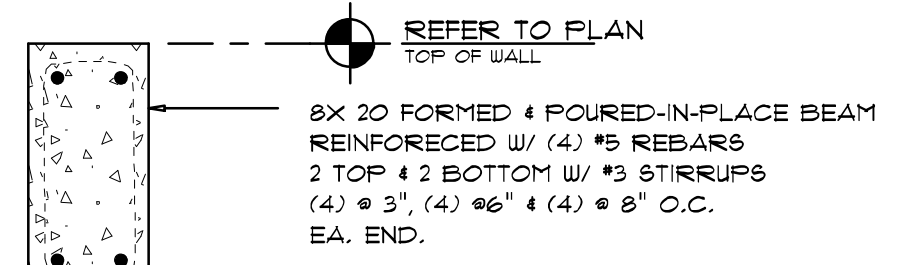
Masonry Opn'g DET's

SCALE: 1" = 1'-0"

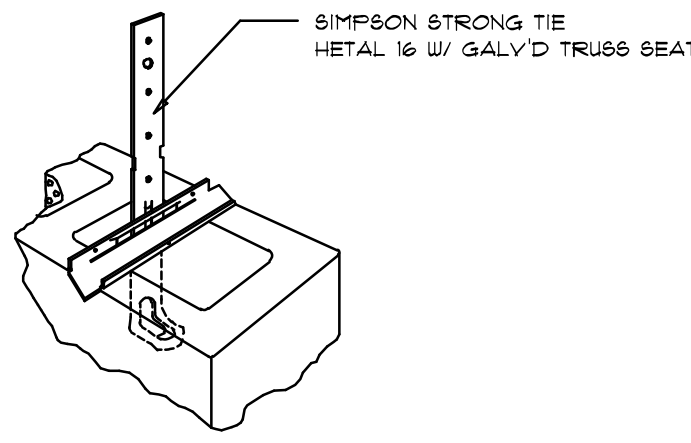


Wall/Foundation Reinf'g DETAIL

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



BEAM AT GARAGE DOOR



Truss Anchor DETAIL

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

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1,000 PSF.
- 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 PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1000 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX P.C. = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX P.C. = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - Fm = 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 I OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

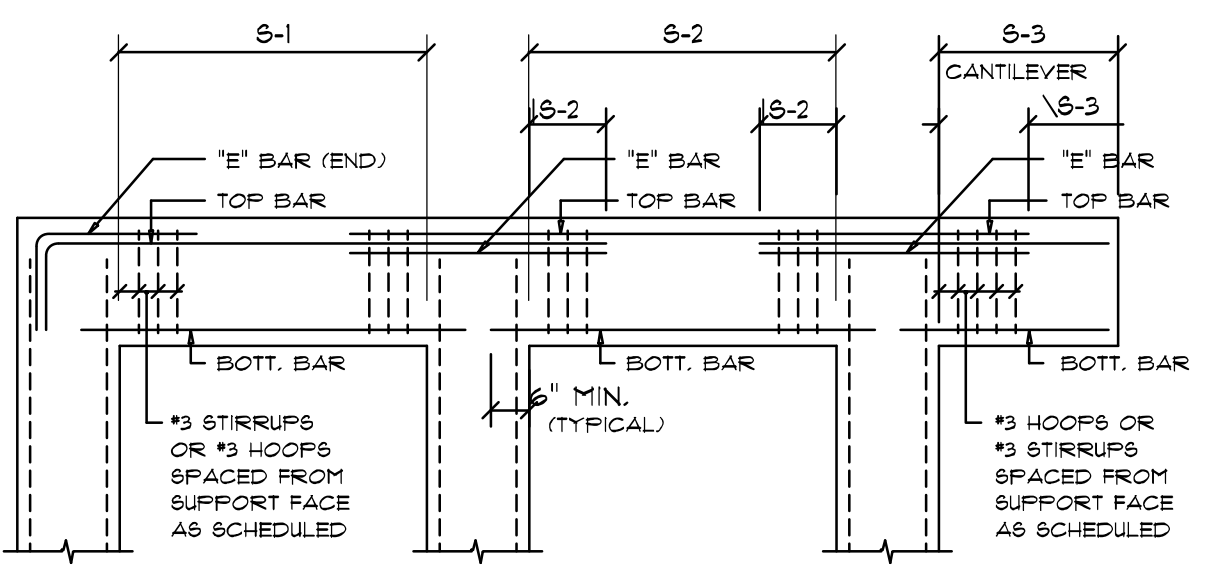
TERMITE PROTECTION NOTES:

- SOIL CHEMICAL BARRIER METHOD:
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RENSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 124.2.6
 - CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
 - IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
 - 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
 - INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1516.1.1
 - SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1516.1.2
 - 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 1516.1.3
 - MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1516.1.4
 - CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1516.1.5
 - SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1516.1.6
 - 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 1516.1.6
 - ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1516.1.7
 - A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT 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 CONSUMER SERVICES". FBC 1516.1.7
 - 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
 - NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
- 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".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N.2 HEM-FIR OR BETTER.
- 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 CONNECTIONS.

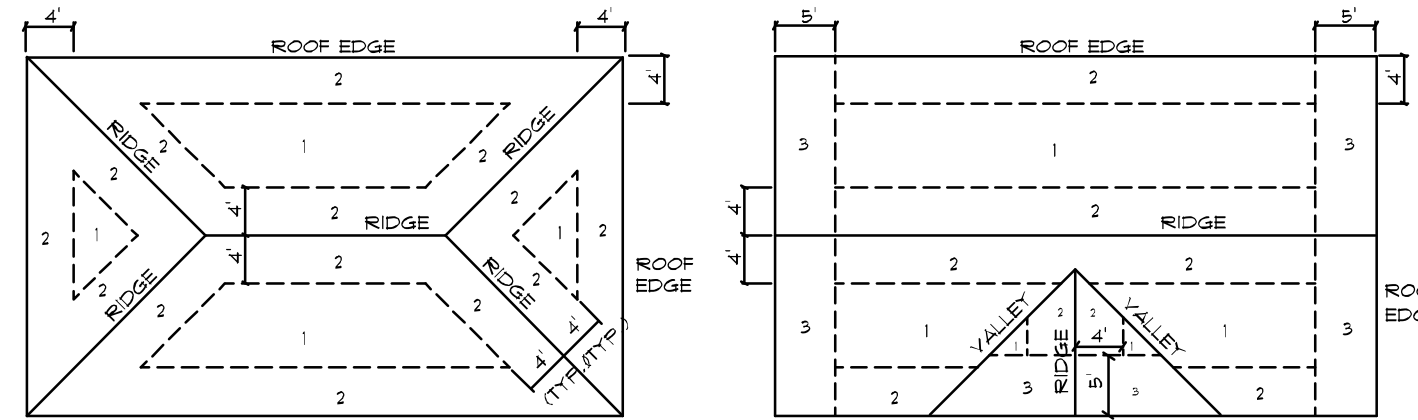
BUILDING COMPONENTS & CLADDING LOADS					
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"					
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH
ROOF 7'- TO 27'	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0
ROOF 27'- TO 30'	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
	2	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4
WALL	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	3	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8
WALL	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0
	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6
	4	50	19.5 / -21.3	22.2 / -25.4	27.2 / -29.8
WALL	5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7
	5	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0
	5	50	19.5 / -24.6	22.2 / -29.3	27.2 / -34.3



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

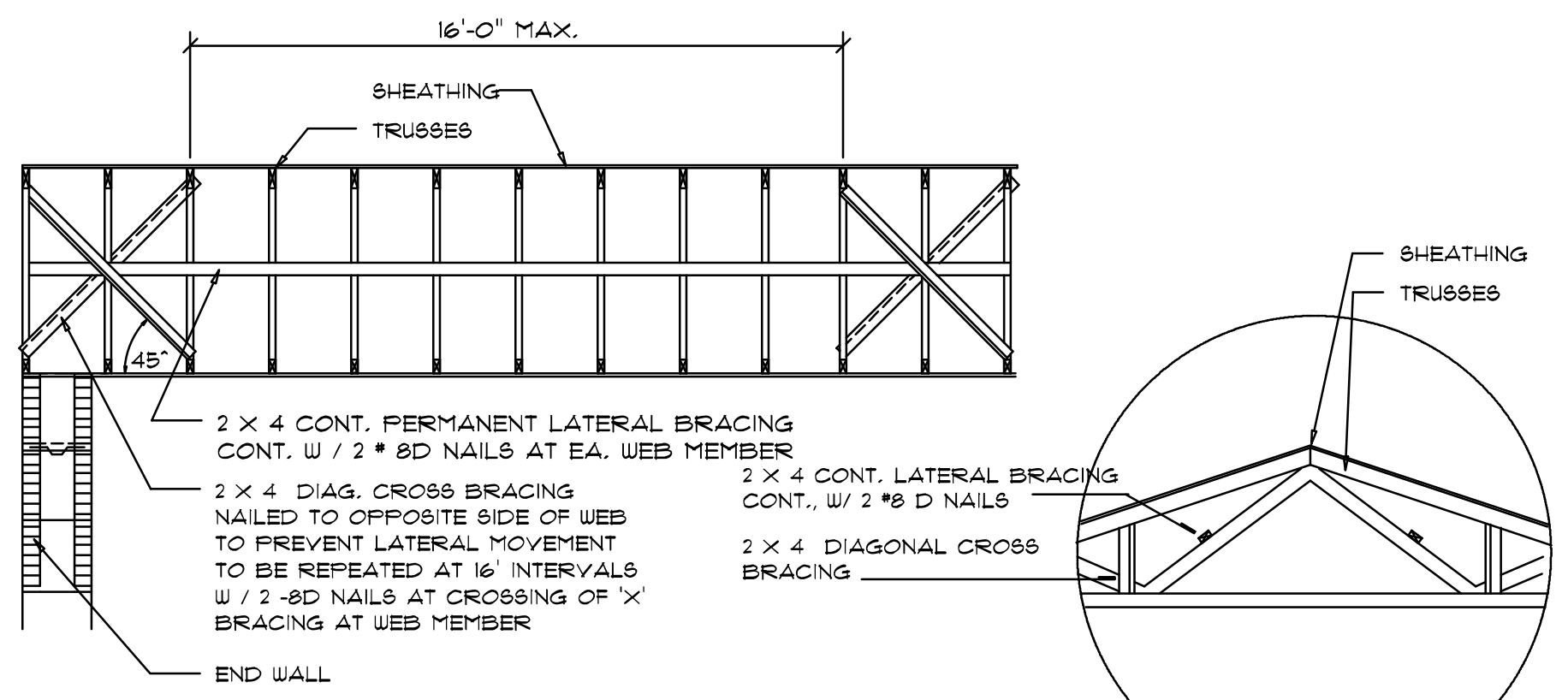
SCALE: NONE

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 12 in. o.c. FIELD
2	1/4" C.S.B. OR 15/32 CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX 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 Nail Pattern DET.

SCALE: NONE



TYP. PERMANENT TRUSS BRACING DIA.

NTS

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

Truss Bracing DETAILS

SCALE: AS NOTED

GENERAL BEAM SCHEDULE NOTE:

- SCHEDULED HOOPS OR STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE S-6 & HOOPS SHALL BE TYPE T-2 TYPICAL CR61 BAR BENDS UNLESS NOTED OTHERWISE.
- BUNDLE ALL STRUCTURAL BEAM TOP BARS IN PAIRS OVER SUPPORTS WITH TOP BARS FROM ADJACENT BEAMS.
- ALL CONCRETE BEAMS OTHER THAN THOSE WITH THE PREFIX TB SHALL BE FORMED PRIOR TO PLACING OF BLOCK BELOW.
- ALL TIE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS ONLY. ALL SPLICES SHALL BE A MINIMUM OF 30 BAR DIAMETERS.
- ALL TIE BEAM TOP REINFORCING SHALL EXTEND INTO SPAN OF ANY ADJACENT STRUCTURAL BEAM AS PER BENDING DIAGRAM.
- DROP BOTTOM OF TIE BEAMS AS REQUIRED AT WINDOW AND DOOR HEADS (28" MAXIMUM) AND ADD 2 #5 BOTTOM IF DROP EXCEEDS 8".
- TIE BEAM SCHEDULED DEPTHS ARE MINIMUM AND MAY BE INCREASED (8" MAXIMUM) TO FIT BLOCK WORK.
- ALL ADDED LONGITUDINAL BEAM REINFORCING SHALL EXTEND A MINIMUM OF 6" INTO SUPPORT UNLESS NOTED OTHERWISE.
- MARK "C" IN REINFORCING COLUMN BETWEEN TWO BEAMS INDICATES THAT REINFORCING SHALL BE CONTINUOUS THROUGH THESE TWO BEAMS.

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS 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

REVISIONS

October 20, 2022

SOFTPLAN

ARCHITECTURAL DESIGN SOFTWARE

A CUSTOM HOME FOR:

PETER & ANNA LEV

PROJECT ADDRESS: 125 SW MILKWEED CT, LAKE CITY, FLORIDA 32025

NICHOLAS PAUL GEISLER ARCHITECT

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N.C.A.R.B. Certified

JOB NUMBER

20221011

SHEET NUMBER

S.4

OF 4 SHEETS

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