

REVISIONS SCHEDULE		
JUNE 25th, 2020	PROPOSAL	
SEP 1 8th, 2020	PERMIT SET	

CUSTOM HOME FOR:
Ben Benson
FT WHITE, FLORIDA

RIDGEPOINT DESIGN
566 SW ARLINGTON BLVD, STE 101, LAKE CITY, FL 32025
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER
A.1
OF 6 SHEETS

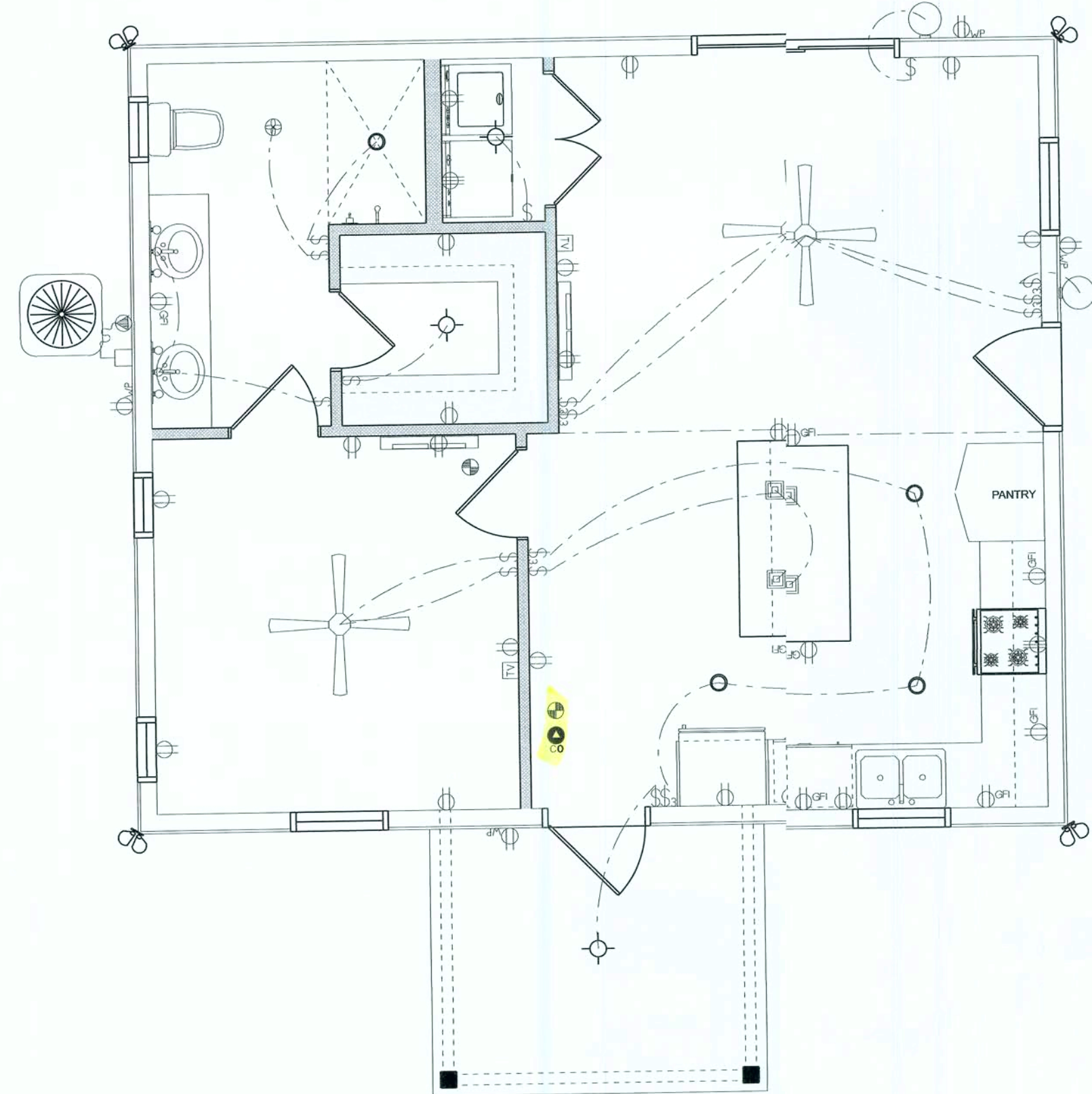
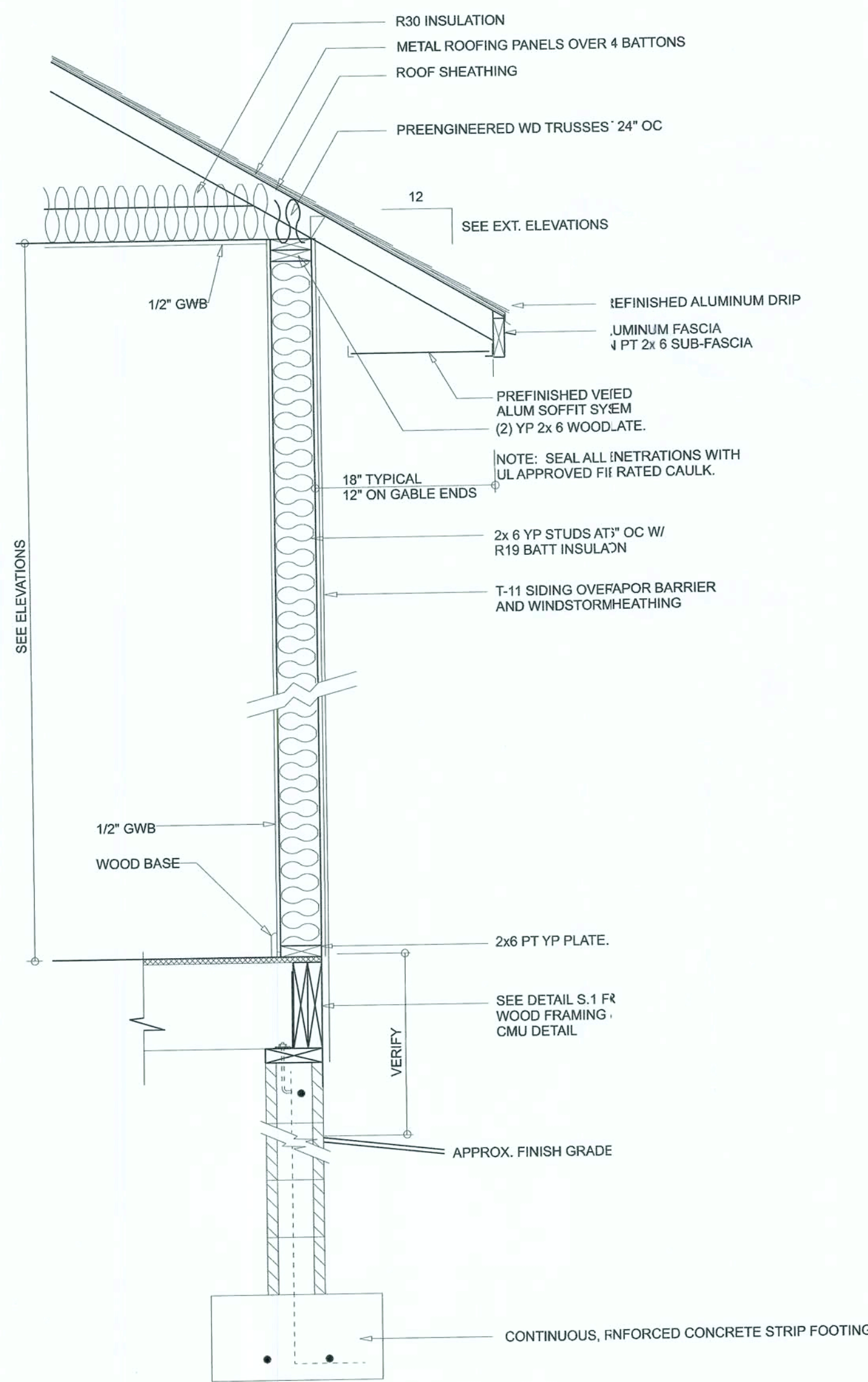
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SHEET NUMBER
A.2
OF 6 SHEETS

ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
CEILING FAN	2	
CAN LIGHT 6inch	4	
PENDANT LIGHT	2	
EXTERIOR SCONCE	2	
MOTION SECURITY LIGHT	4	
AC DISCONNECT	1	
CABLE TV OUTLET	2	
CARBON DETECTOR	1	
EXHAUST FAN	1	
OUTLET	17	
OUTLET 220v	2	
OUTLET GFI	7	
OUTLET WP	4	
SMOKE DETECTOR	2	
STANDARD LIGHT	3	
SWITCH	11	
SWITCH 3 WAY	6	
VANITY BAR LIGHT - SMALL	2	

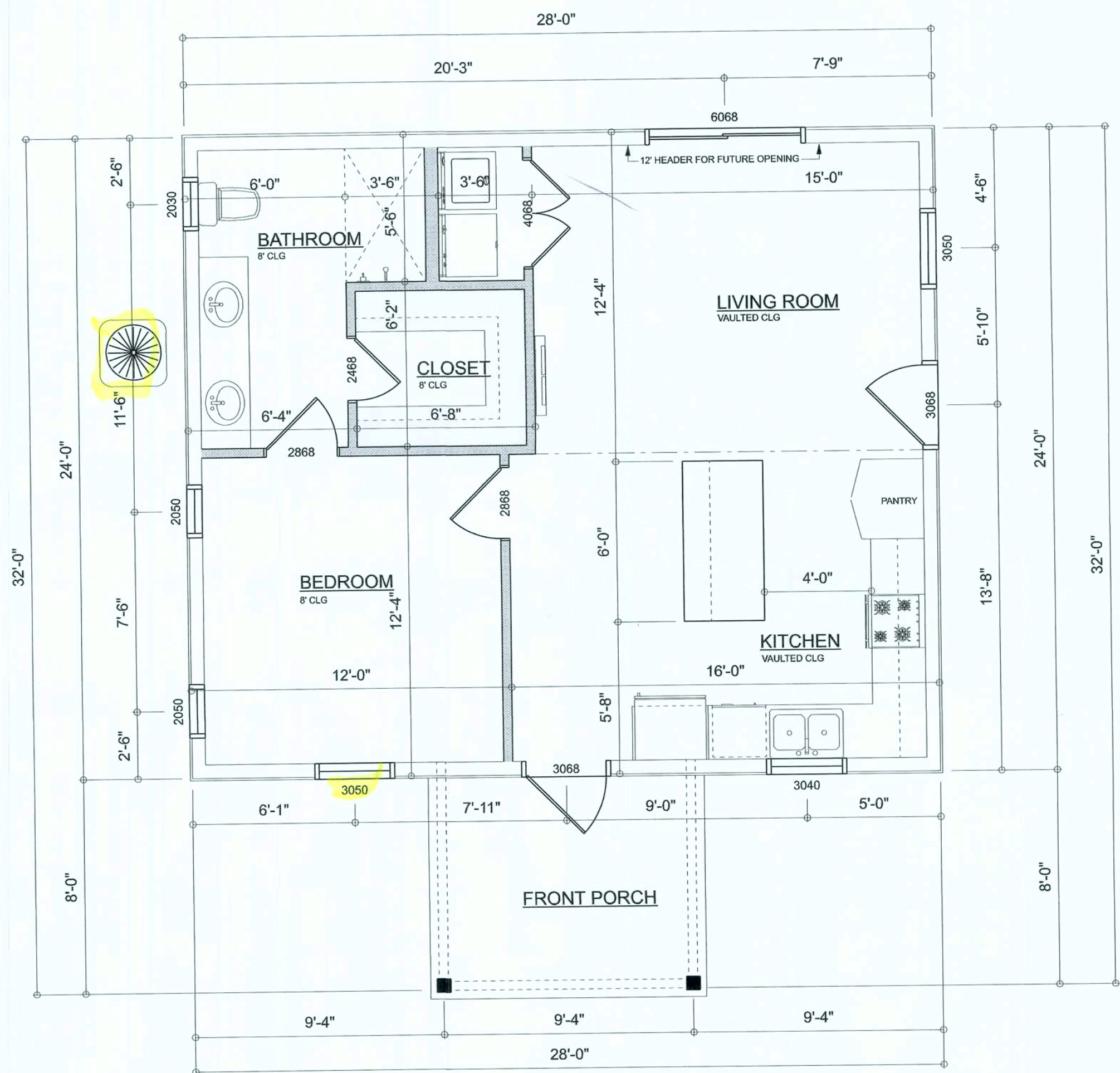


ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN NOTES:

- INSTALLATION SHALL BE PER LATEST NAT'L ELECTRIC CODE.
- WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS
- CONSULT WITH THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED
- ALL SMOKE DETECTORS SHALL BE 120v W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS
- TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
- ALL RECEPTICALS, NOT OTHERWISE NOTED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS
- ALL RECEPTICALS IN WET AREAS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI)
- ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI)

NOTE:
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT NO. DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING / DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY



DIMENSIONED FLOOR PLAN
SCALE: 1/4" = 1'-0"

AREA SUMMARY		
LIVING	672	S.F.
FRONT PORCH	77	S.F.
TOTAL AREA	749	S.F.

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 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 1500 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 Fc = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX Fc = 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 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

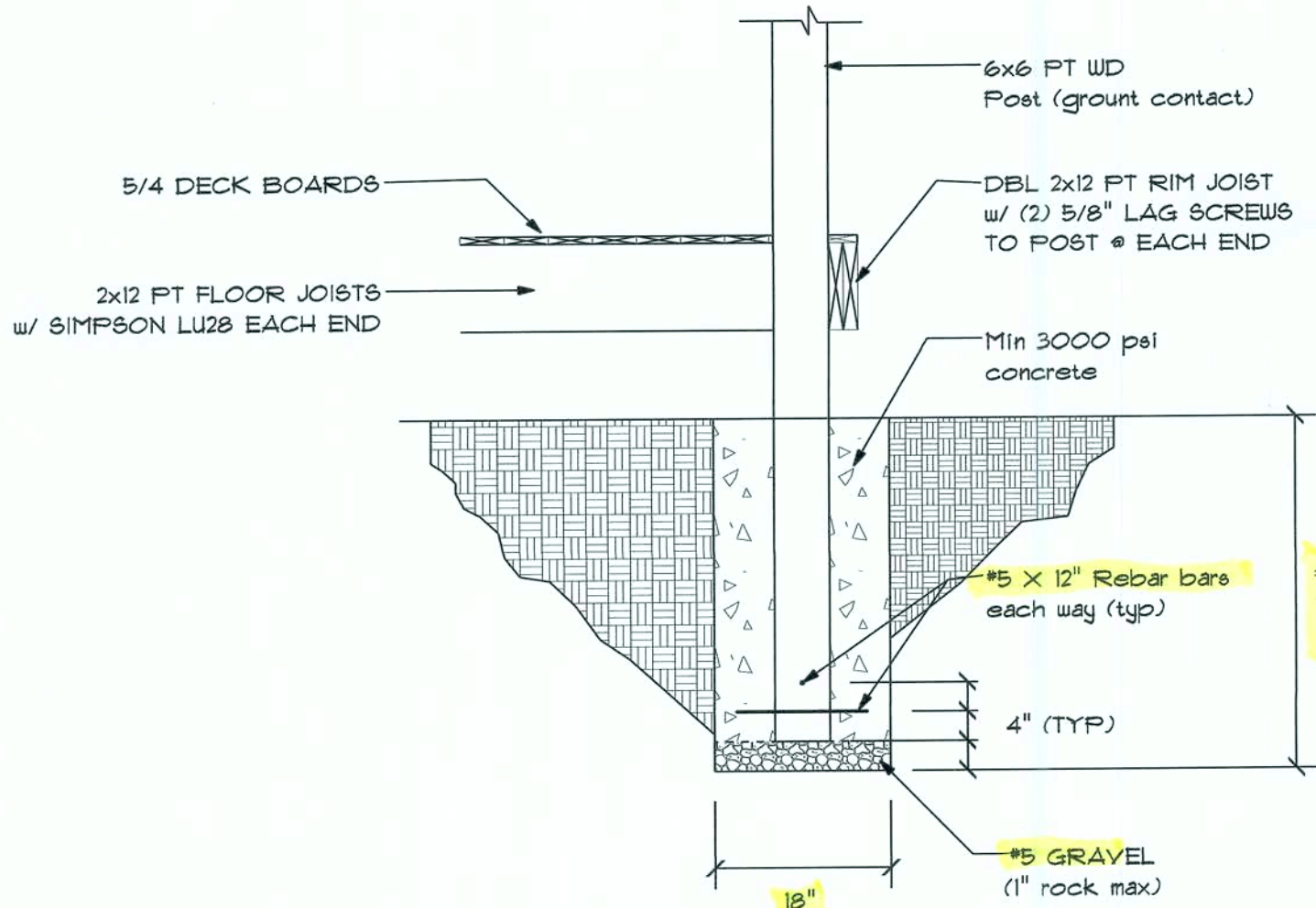
TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

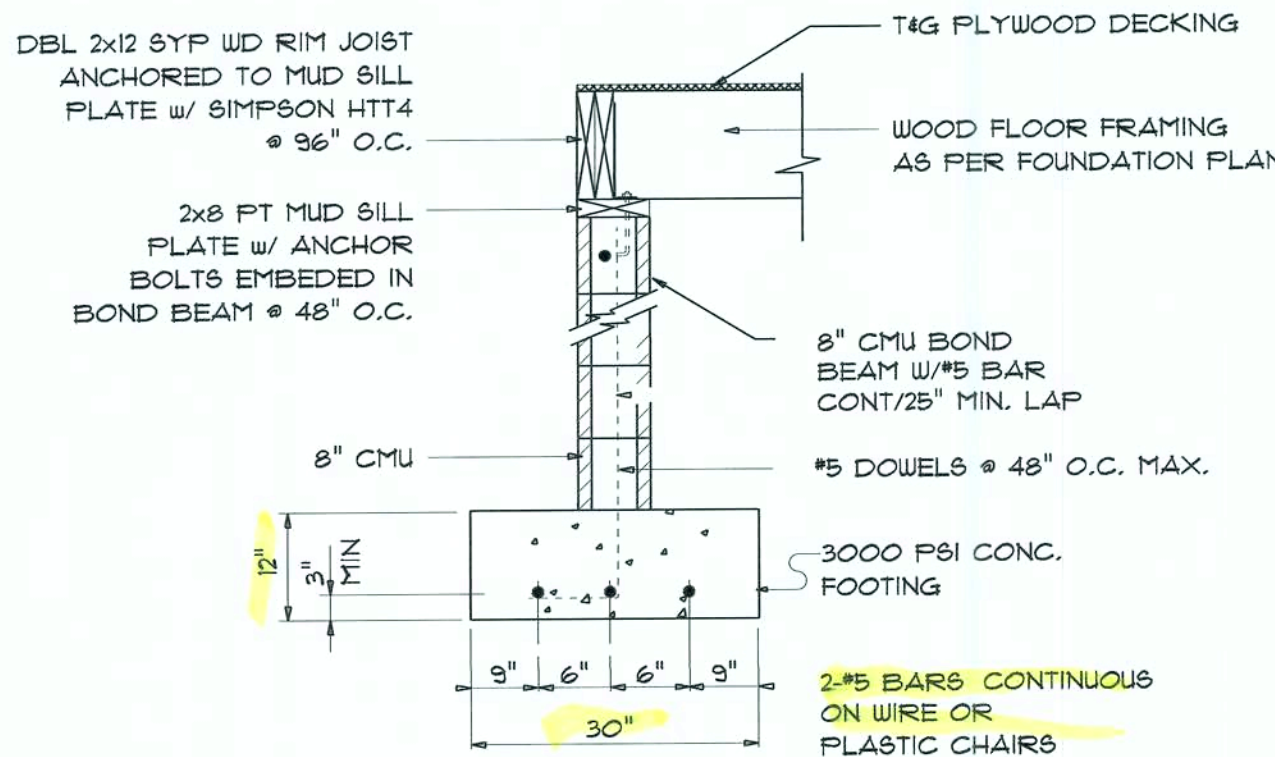
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1402.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING 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 A 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

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 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.
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- 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 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



PORCH SECTION



SECTION A
SCALE: NONE

PROVIDE STEMWALL REINFORCING AS PER DETAILS "A" THIS SHEET, AT 48" O.C. ALONG ALL EXTERIOR WALLS AND ALL CORNERS - PROVIDE A CONTINUOUS BOND BEAM AS PER THE DETAILS AS B/A.4 W/ #5 REBAR, CONT. ALL AROUND TOP OF STEMWALL.

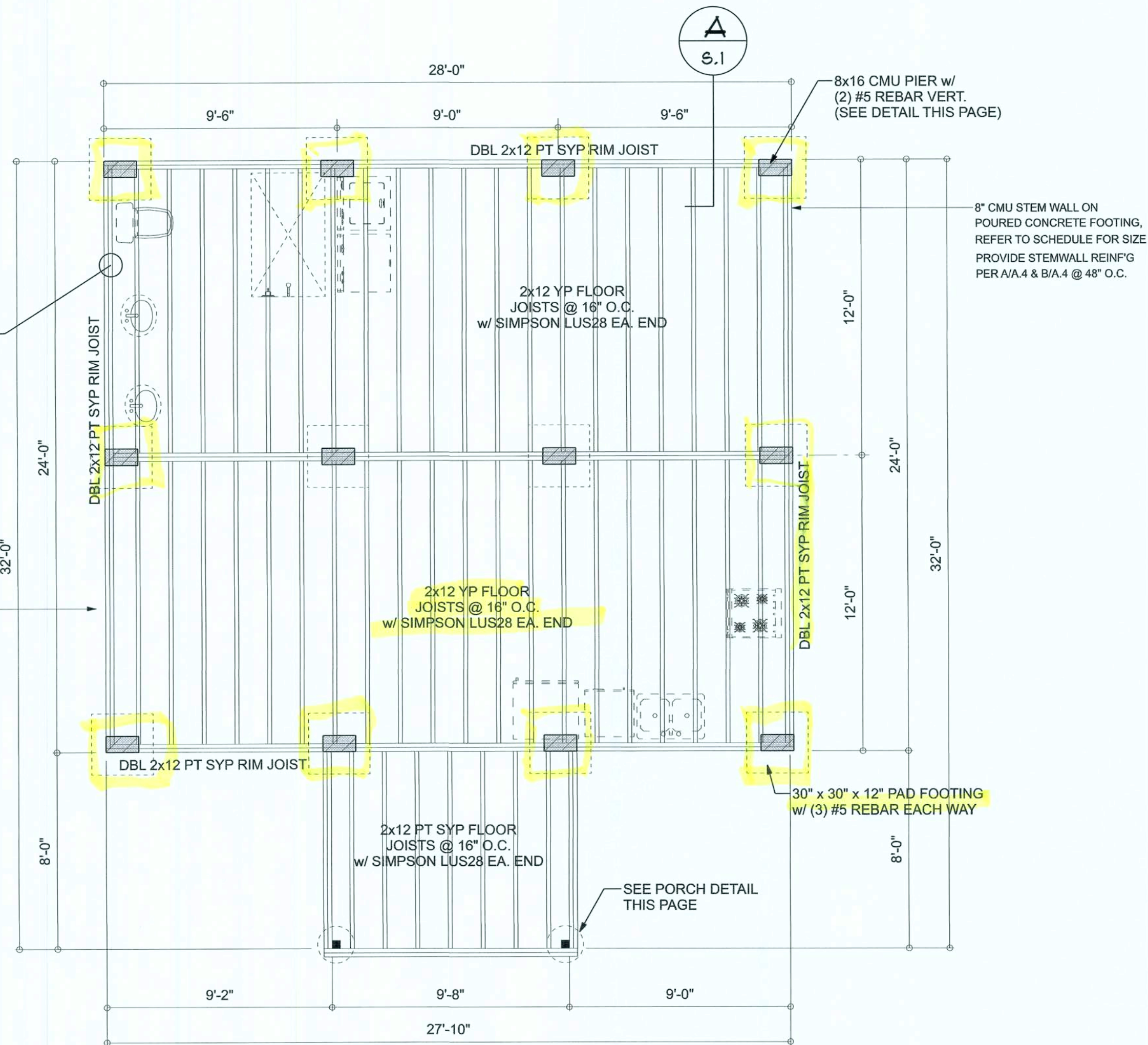
10'-0" X 20'-0" X CONT. CONCRETE FOOTING CENTERED BELOW CMU WALL w/ (2) #5 REBAR CONT. ON WIRE/PLASTIC CHAIRS

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

NOTE:
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
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 - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



- NOTE:
- FOUNDATION SHOWN IS FOR CLEAN SAND OR ROCK FILL ONLY. OTHER CONDITIONS SHOULD BE DESIGNED BY A LICENSED ENGINEER.
 - ASSUMED SOIL BEARING CAPACITY 2000 Psf.
 - ALL CONCRETE SHALL BE 3000 PSI.
 - PROVIDE ACCESS AND VENTS AS PER CODE.
 - FLOOR SYSTEM IS RATED USING #2 SYP.
 - DOUBLE FLOOR JOIST UNDER ALL PARALLEL PARTITION WALLS.
 - ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.
 - MASONRY PIERS OVER 32' TALL SHALL BE 12X16 WIDE.
 - PROVIDE SOLID BLOCKING UNDER ALL BEARING POINTS.
 - ALL ANCHOR STRAPS, POST BASES, ANCHOR BOLTS AND ALL OTHER ASSOCIATED METAL CONNECTORS REQUIRED TO BE PLACED PRIOR TO POURING CONCRETE, BY THE PLANS AND/OR PERMIT ISSUING AUTHORITY, SHALL BE PROVIDED BY THE CONTRACTOR.
 - ALL OTHER FRAMING CONNECTORS AND THE ASSOCIATED THRU-BOLTS AND/OR LAG SCREWS, REQUIRED BY THE PLANS AND/OR PERMIT ISSUING AUTHORITY, SHALL BE PROVIDED BY THE CONTRACTOR.

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS AS PROVIDED IN THE PROJECT MANUAL D.X. ALL AS-BUILT DRAWINGS SHALL BE PRESENTED TO THE OWNER PRIOR TO THE FINAL PAYMENT DRAW.

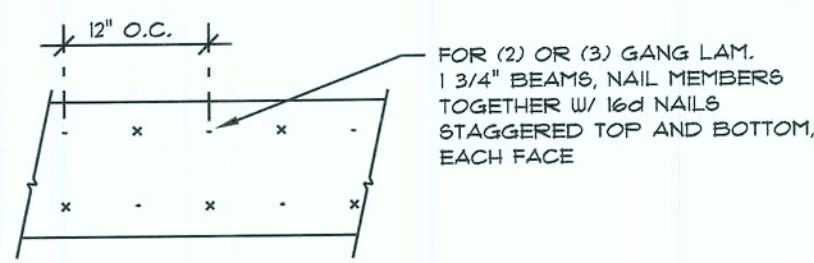
REVISIONS
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CUSTOM HOME FOR:
BENSEN RESIDENCE
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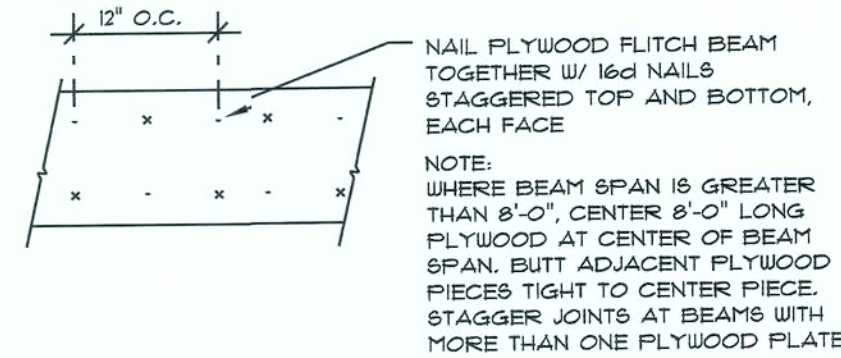
NICHOLAS PAUL GEISLER ARCHITECT
1155 NW Brown Rd.
Lake City, FL 32055
N.C.A.S.B. Certified

SHEET NUMBER
S.1
OF 6 SHEETS

AR0007005
10/01/2020
10/01/2020



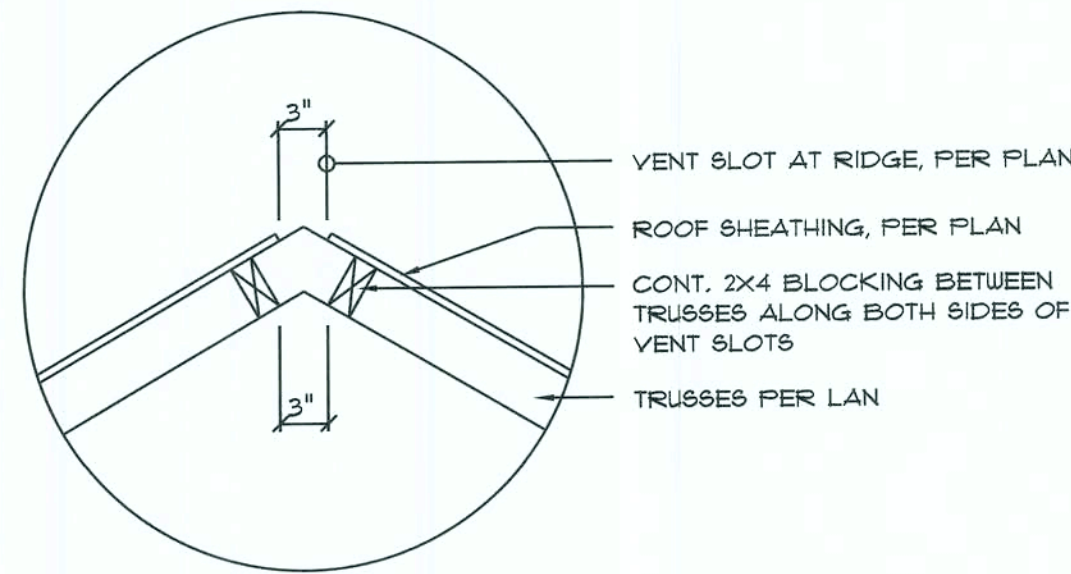
MULTIPLE GANG LAM. DETAIL
NOT TO SCALE



PLYWOOD FLITCH BEAM DETAIL
NOT TO SCALE

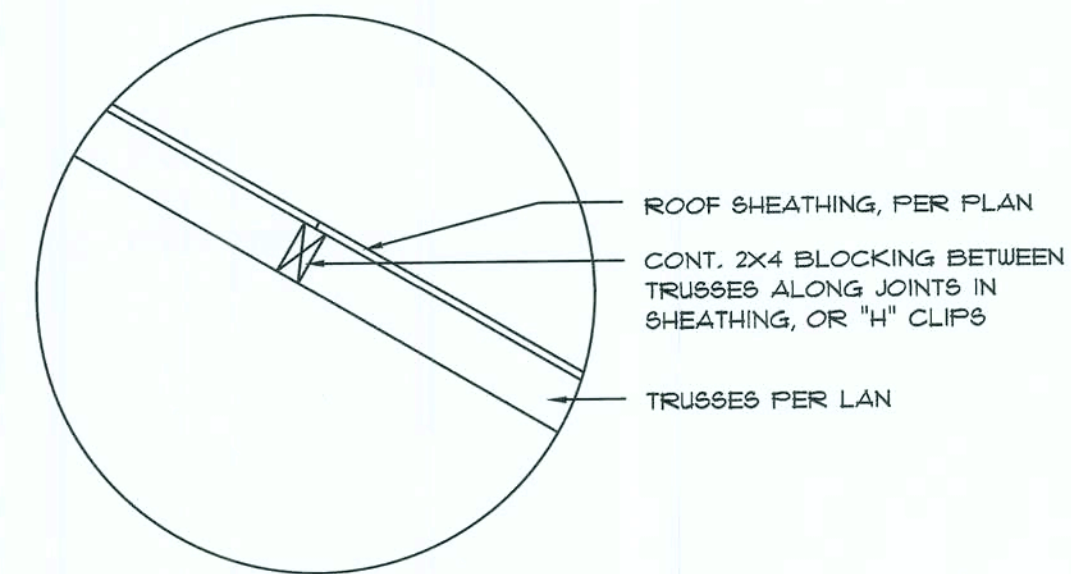
B/U Beam DETAILS

SCALE: NONE



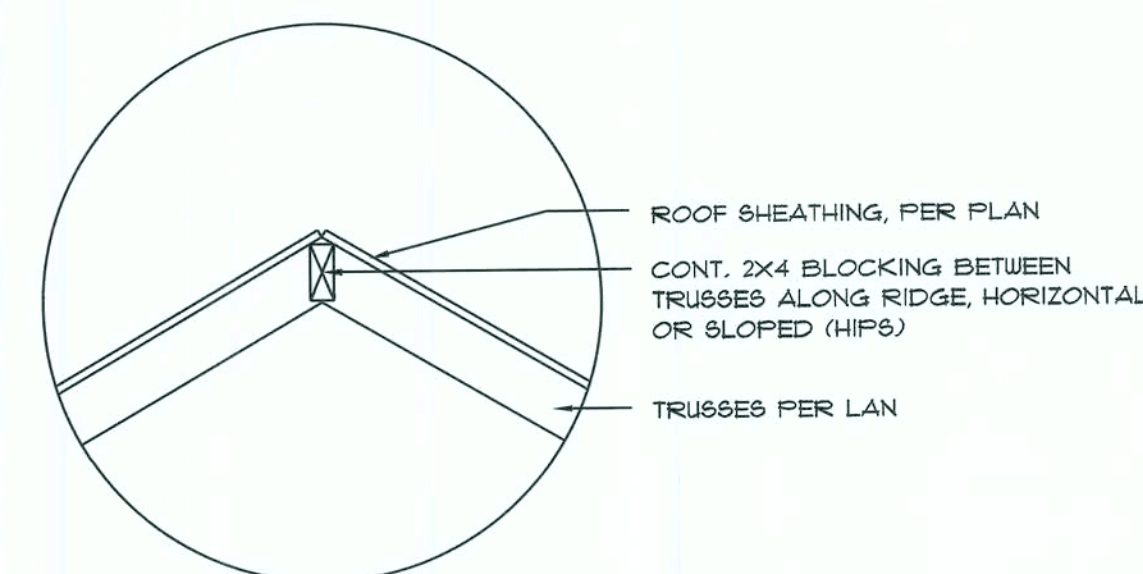
Vent DETAIL

SCALE: NONE



Joint DETAIL

SCALE: NONE



Ridge DETAIL

SCALE: NONE

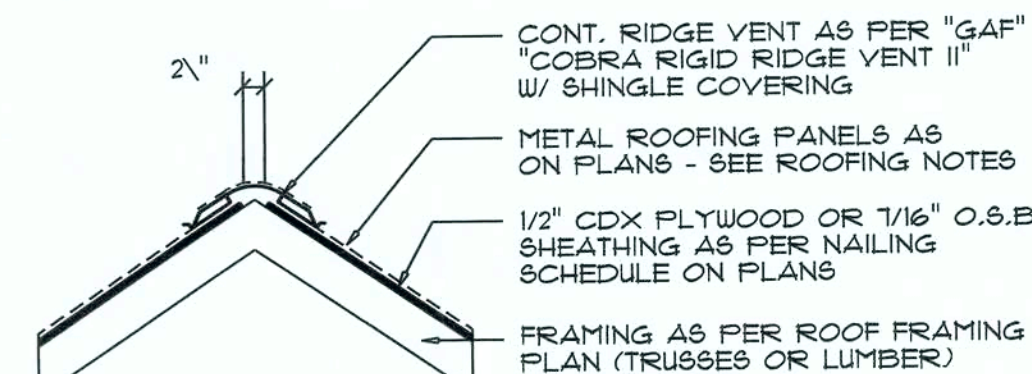
N/B: 1/2" CDX PLYWOOD PLACED ALONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NLS - AS PER DETAIL ON SHEET SD-4

N/E: 1. DESIGN WIND SPEED FOR THIS PROJECT IS 120 MPH PER FBC 1609
A) LOCAL JURISDICTION REQUIREMENTS

N/E: A. 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 SH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

N/E: 1. ANCHOR GIRDER TRUSSES TO HEADER W/ 2 "SIMPSON" LGT(2, 3 OR 4). ANCHOR HEADER TO KING STUDS W/ "SIMPSON" ST2 EA. END - TYP., T.O.

AREA OF ATTIC	REQ'D LF 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	810 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: #38-0713.05

Ridge Vent DETAIL

SCALE: NONE

FASTEN TOP PLATE WITH 1/2" NAILS AT 12" O.C., TYPICAL T.O.

ANCHOR ALL TRUSSES WITH "SIMPSON" H2.5d STRAPS 4 6 - 10" NAILS OR SDWIC15600 EA. TRUSS

2X6 SUB-FASCIA, TYPICAL @ ALL TRUSS EAVES & GABLE ENDS

ROOF FRAMING PLAN

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

ROOF PLAN NOTES

- R-1 SEE ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANG 18" (12" on gables) UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD-3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

STANDARD HEADER SCHEDULE

0'-0" UP TO 6'-0" OPENINGS

DOUBLE 2x8 YELLOW PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA15 TOP AND 1 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 1 FULL HEIGHT STUD EACH SIDE OF OPENING

6'-0" UP TO 9'-0" OPENINGS

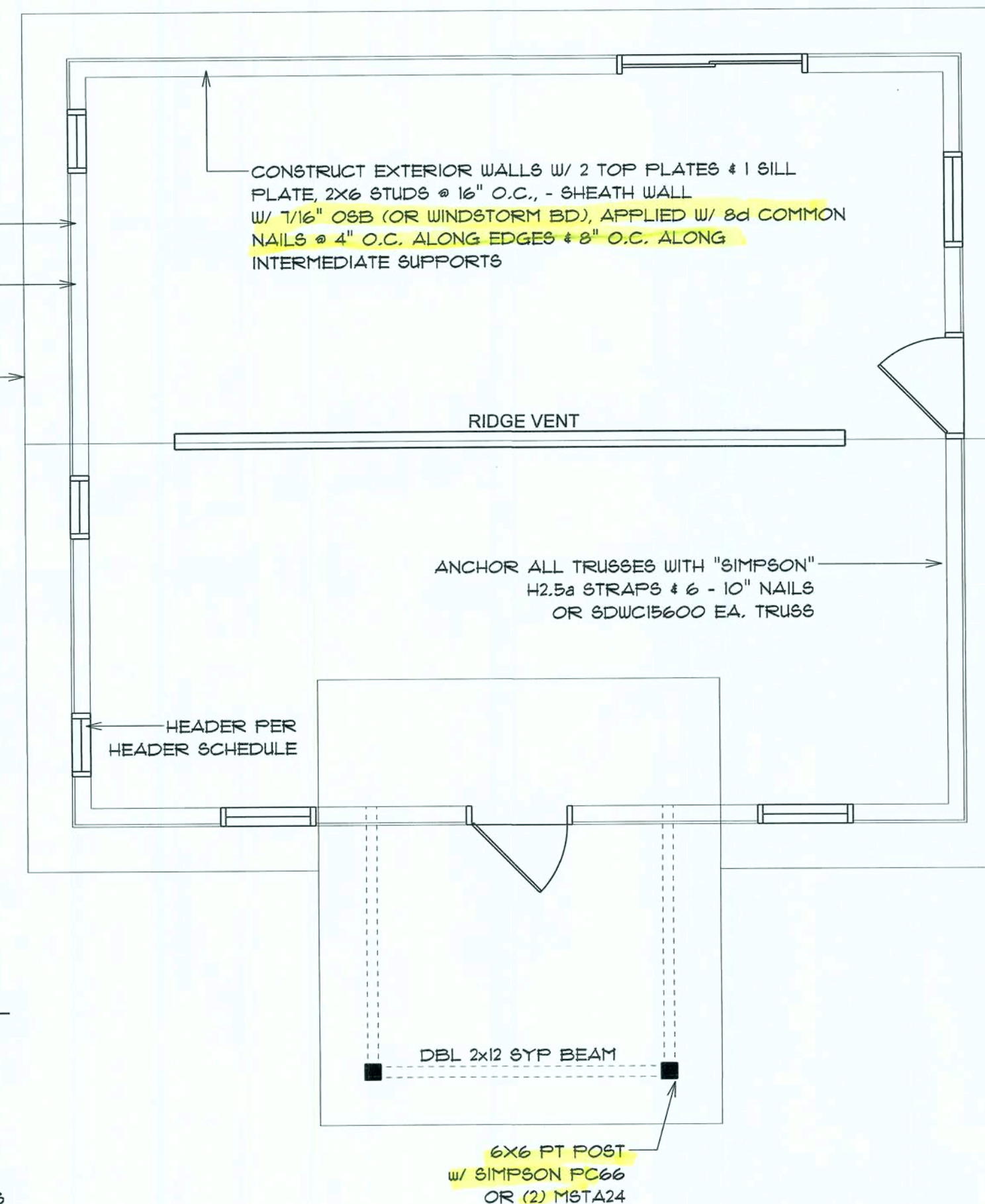
DOUBLE 2x12 YELLOW PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA24 TOP AND 2 - SIMPSON SPH4R BOTTOM EACH SIDE OF OPENING WITH 2 - HEADER STUD AND 2 FULL HEIGHT STUDS EACH SIDE OF OPENING

9'-0" UP TO 16'-0" OPENINGS (INCLUDING GARAGE DOORS)

DOUBLE 2x12 YELLOW PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA15 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

OPENINGS WITH GIRDER TRUSSES ABOVE & OPTIONAL GARAGE DOOR OPENINGS

2 FLY 1/4" x 11 1/8" 2.0E MICROLAM LVL HEADER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA15 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING



WOOD STRUCTURAL NOTES

1. 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".
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 No.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 CONNECTIONS.

REVISIONS
SEPT 8th, 2020

CUSTOM HOME FOR:
BENSEN RESIDENCE
FT WHITE, FLORIDA

NICHOLAS PAUL GEISLER
ARCHITECT
1755 NW Brown Rd.
Lakeland, FL 34055

SHEET NUMBER

S.2

OF 6 SHEETS

AR0007005

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof: Gable Construction, Wood Trusses @ 24" O	
Walls: 2x6 Wood Studs @ 16" O.C.	
Floor: 4" Thk. Concrete Slab w/ Fiberglass Concrete Additive	
Foundation: Continuous Footer/Stem Wall	
ROOF DECKING	
Material: 1/2" CD Plywood or 7/16" O.S.B.	
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing	
Fasteners: 8d Common Nails per schedule on sheet A.1	
SHEAR WALLS	
Material: 1/2" CD Plywood or 7/16" O.S.B.	
Sheet Size: 48"x96" Sheets Placed Vertical	
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior	
Drag Strut: Double Top Plate (S.T.P.) w/16d Nails @ 12" O.C.	
Wall Studs: 2x6 Studs @ 16" O.C.	
HURRICANE UPLIFT CONNECTORS	
Truss Anchors: SIMPSON H2.5a or SDWC15600 @ Ea. Truss End (Typ. U.O.N.)	
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.	
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner	
Corner Hold-down Device: (1) HD5a @ each corner	
Porch Column Base Connector: Simpson ABU66 @ each column	
Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column	
FOOTINGS AND FOUNDATIONS	
Footings: 10"x4 x 20" w Cont. w/ 2-#5 Bars Cont. on wire/plastic chairs 48" O.C.	
Footings: 8" CMU Block Stemwall with #5 Rebar Dowels Vertical @ 48" OC	

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2011 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

2. WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "B"

BASED ON ANSI/ASCE 7-10, 2011 FBC 1609-A WIND VELOCITY: V_{ult} = 130 MPH
V_{ASD} = 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:
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 PROVIDER AND NEED FOR REPAIR 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 RETARDER 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 DEPARTMENT BY A 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 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, 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

		BUILDING COMPONENTS & CLADDING LOADS			
		MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"			
		ROOF ANGLE 1" TO 2"			
1	W	U	Vult	Vult	Vult
	20	10	10 MPH	120 MPH	140 MPH
	30	20	12.0 / -19.9	14.9 / -23.1	17.5 / -21.8
2	W	U	Vult	Vult	Vult
	20	10	11.4 / -19.4	13.6 / -23.0	16.0 / -21.0
	30	20	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0
3	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
4	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
5	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
6	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
7	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
8	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
9	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
10	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
11	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
12	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
13	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
14	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
15	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
16	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
17	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
18	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
19	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
20	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
21	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
22	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
23	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
24	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
25	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
26	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
27	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
28	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0
29	W	U	Vult	Vult	Vult
	20	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4
	30	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6
30	W	U	Vult	Vult	Vult
	20	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6
	30	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.41
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

FRAMING ANCHOR SCHEDULE

APPLICATION

TRUSS TO WALL:
GIRDER TRUSS TO POST/HEADER:
HEADER TO KING STUD(S):
PLATE TO STUD:
STUD TO SILL:
PORCH BEAM TO POST:
PORCH POST TO FND.:
MISC. JOINTS

MANUF'R/MODEL

SIMPSON H2.5a or SDWC15600
SIMPSON LGT, W/ 28 - 16d NAILS
SIMPSON ST22
NO CONNECTION REQ. WHEN USING WINDSTORM BOARD
NO CONNECTION REQ. WHEN USING WINDSTORM BOARD
SIMPSON FC44 or (2) 5/8" LAG BOLTS EA. POST
SIMPSON ABU44
SIMPSON A34

CAP.

600*
1785*
1370*

1700*
2200*
315*/240*

NOTE:

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

NOTE:

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

NOTE:

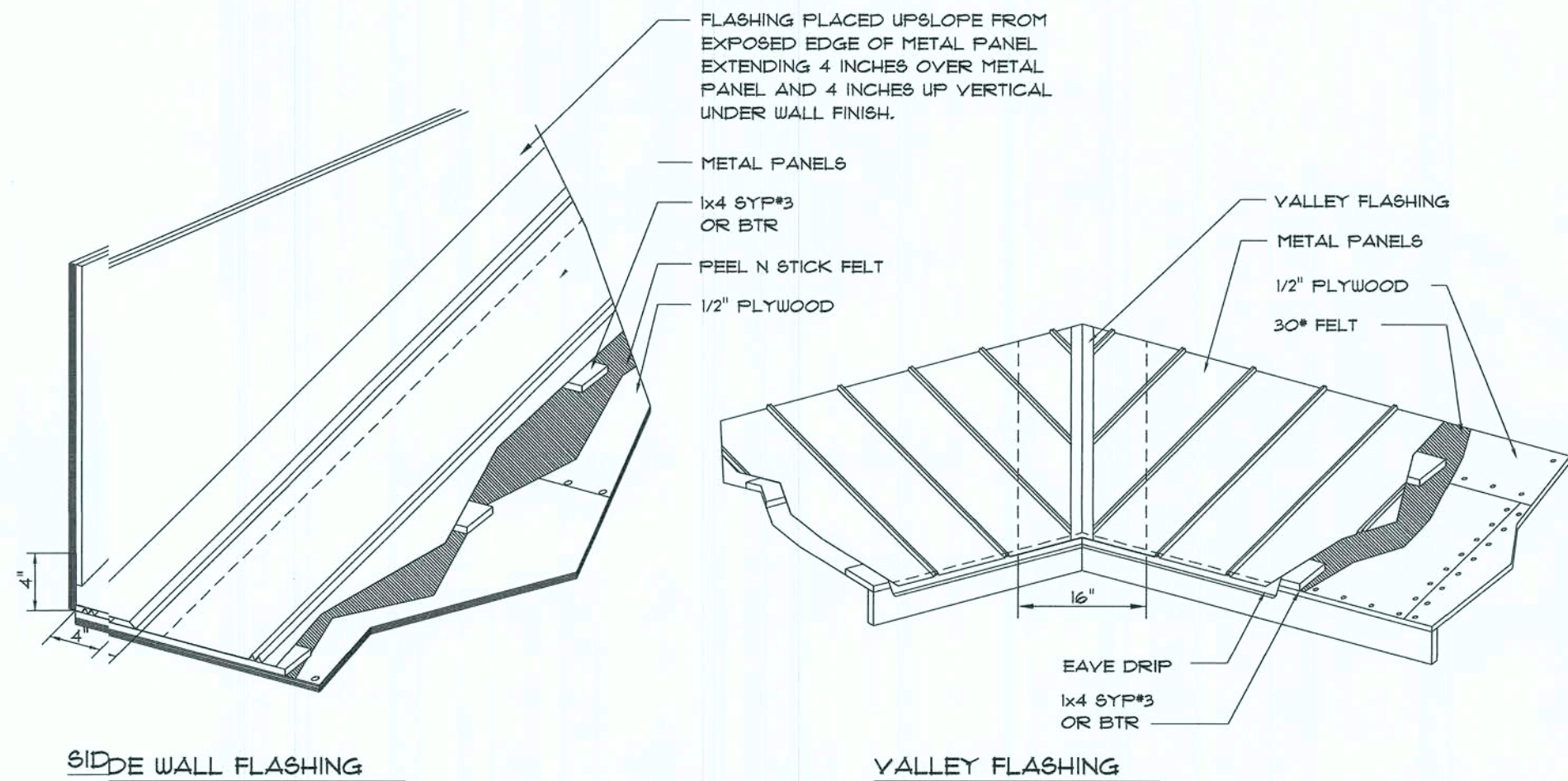
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:

"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818.15

NOTE:

"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #31-0107.05, #36-1126.11, #39-0623.04
SBCCI NER-443, NER-393

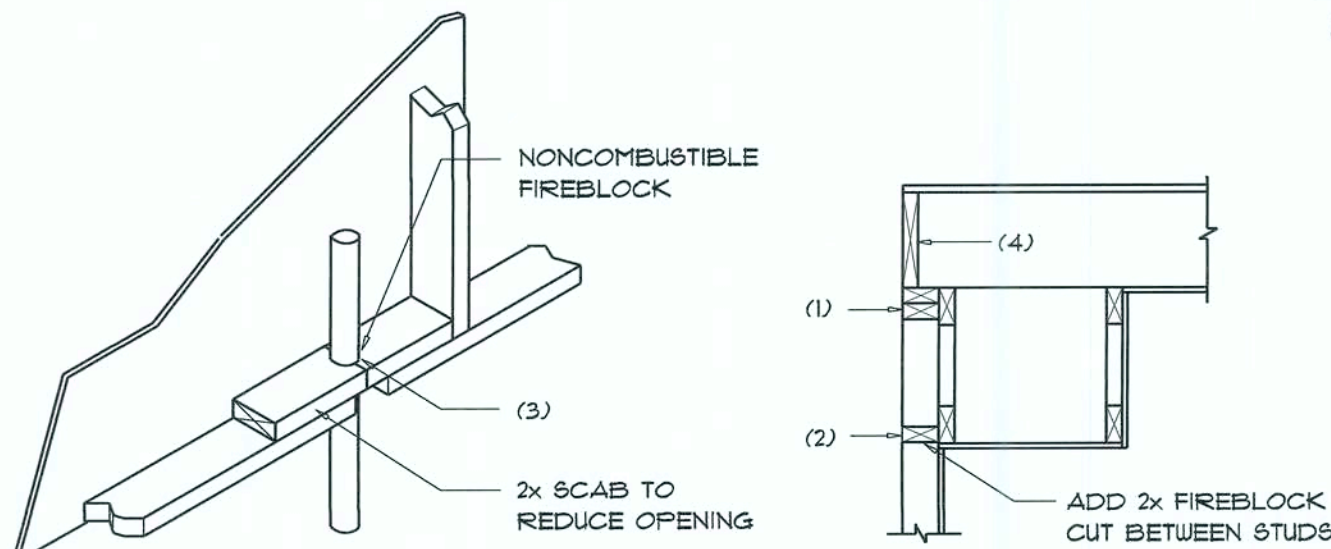


SIDE WALL FLASHING

VALLEY FLASHING

METAL ROOFING. DET.

SCALE: NONE



PENETRATIONS

SOFFIT/DROPPED CLG.

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.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYRO PANEL MULTIFLEX SEALANT"
- 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

A

General Roofing NOTES:

DECK REQUIREMENTS:

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

SLOPE:

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

CAULKING:

MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT SUPPLIED IN TAPE OR GUN-GRADE FORM.

METAL PANEL:

METAL PANELS SHALL BE MIN. 26 GAUGE AND COMPLY WITH ASTM A-792 AND D 7-98 EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.

FASTENERS:

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

ATTACHMENT:

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

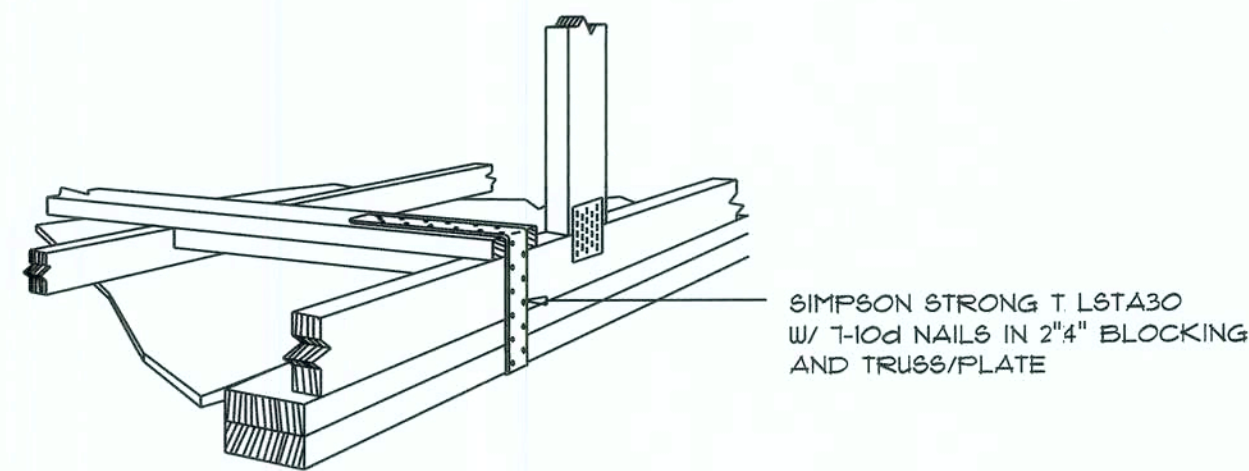
BASE AND CAP FLASHINGS:

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

- RC-1 - RIDGE CAP
- ED-1 - EAVE DRIP
- EF-3 - EAVE FLASHING
- SW-1 - SIDEWALL FLASHING
- EW-1 - ENDWALL FLASHING
- GR-4 - GABLE END OR RAKE BOARD FLASHING
- TF-1 - TRANSITION FLASHING
- PV-2 - PREFORMED VALLEY FLASHING
- BUTYL TAPE
- PIPEBOOT

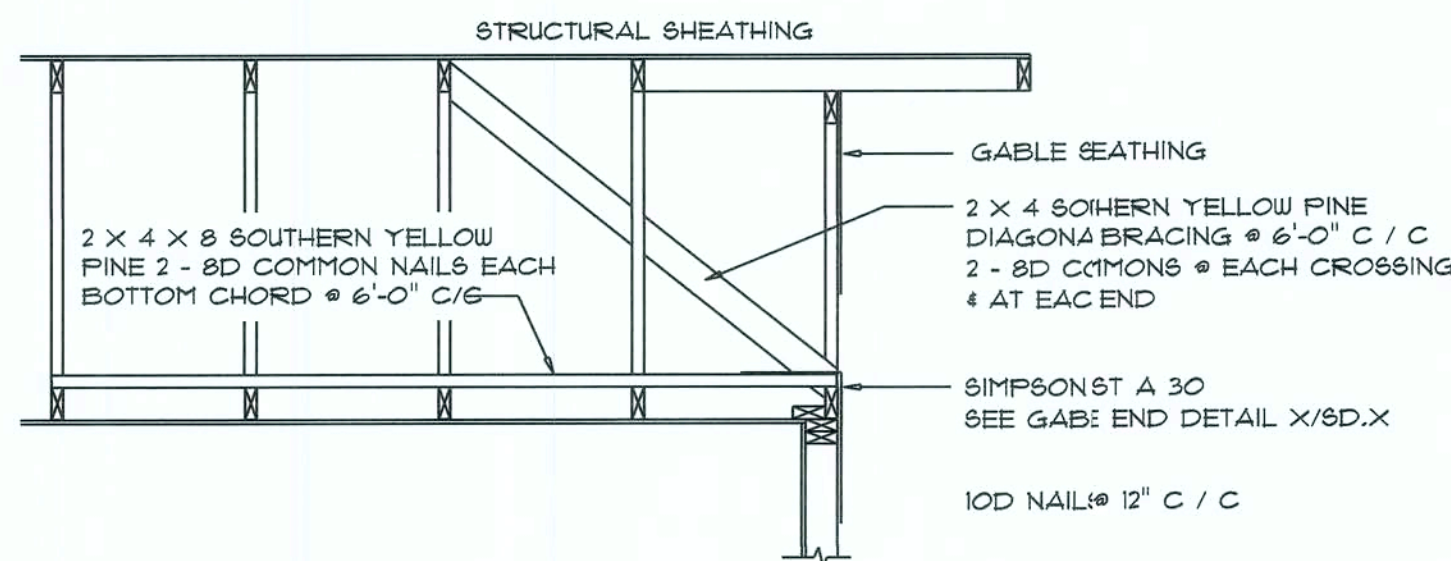
UNDERLAYMENT APPLICATION:

<



**GABLE END GYPSUM DIAPHRAGM
HOLDOWN CONNECTOR**
SCALE: NONE

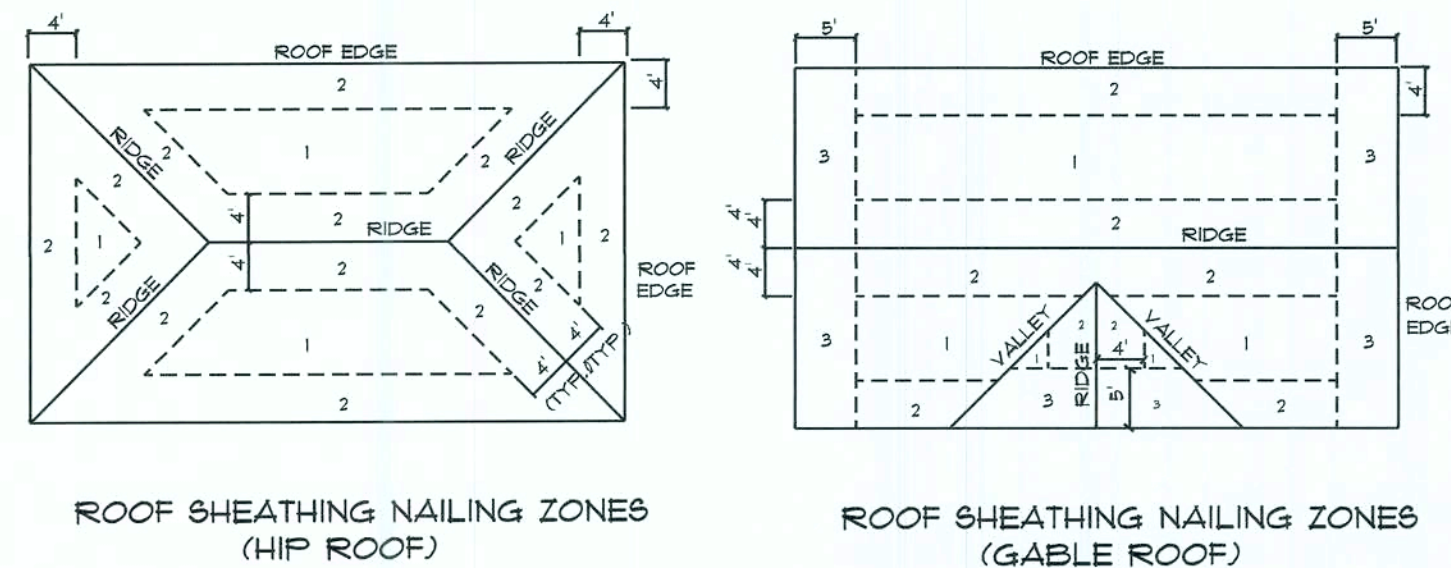
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**END WALL BRACING FOR
CEILING DIAPHRAGM**
NTS (ALTERNATIVE TO BALLOON FRAMING)
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

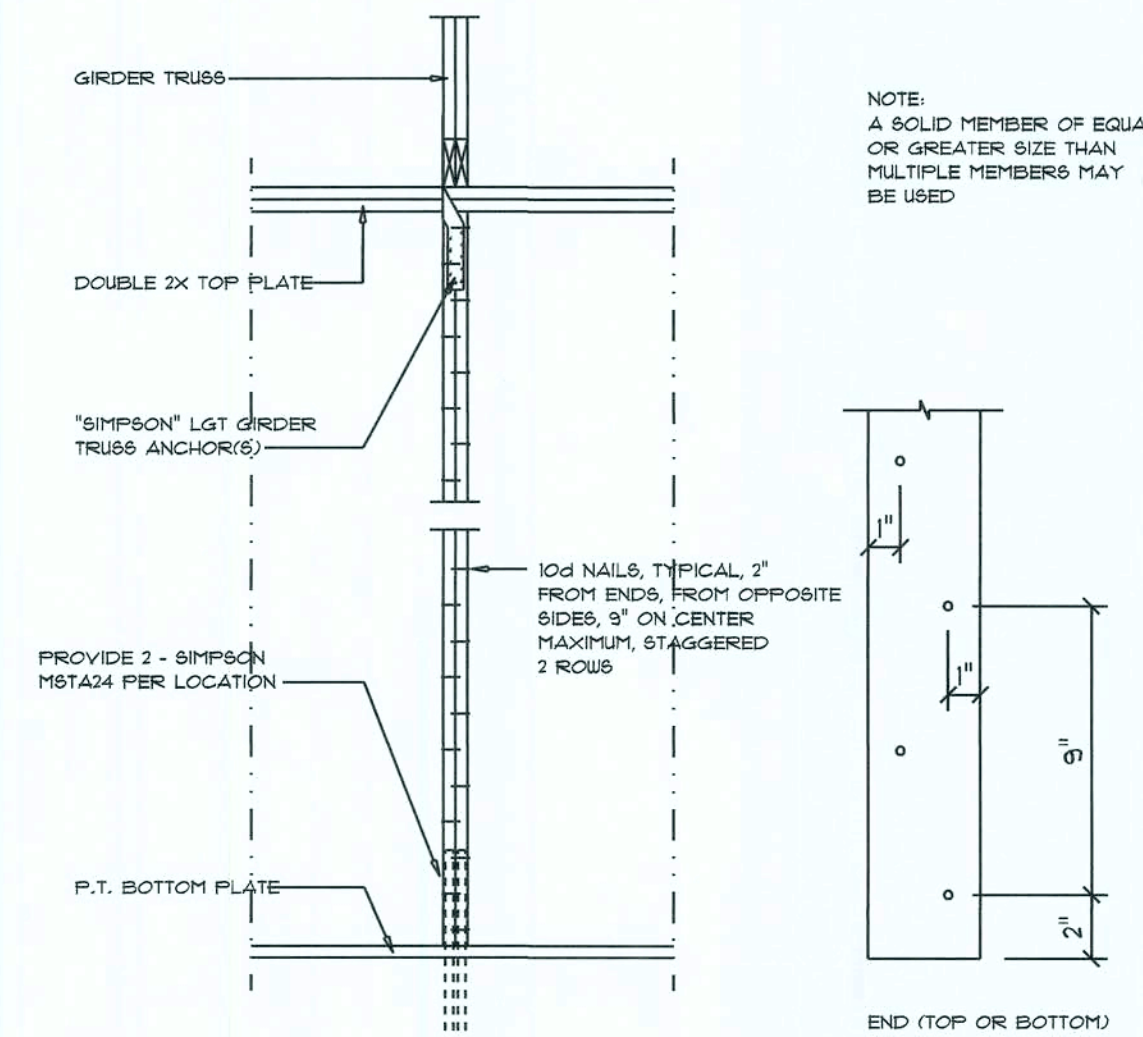
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ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. O.C. EDGE 12 in. O.C. FIELD
2	1/2" O.S.B. OR 15/32 CDX	10d RING SHANKED NAILS	6 in. O.C. EDGE 6 in. O.C. FIELD
3			4 in. O.C. GABLE ENDWALL OR GABLE TRUSS 6 in. O.C. EDGE 6 in. O.C. FIELD



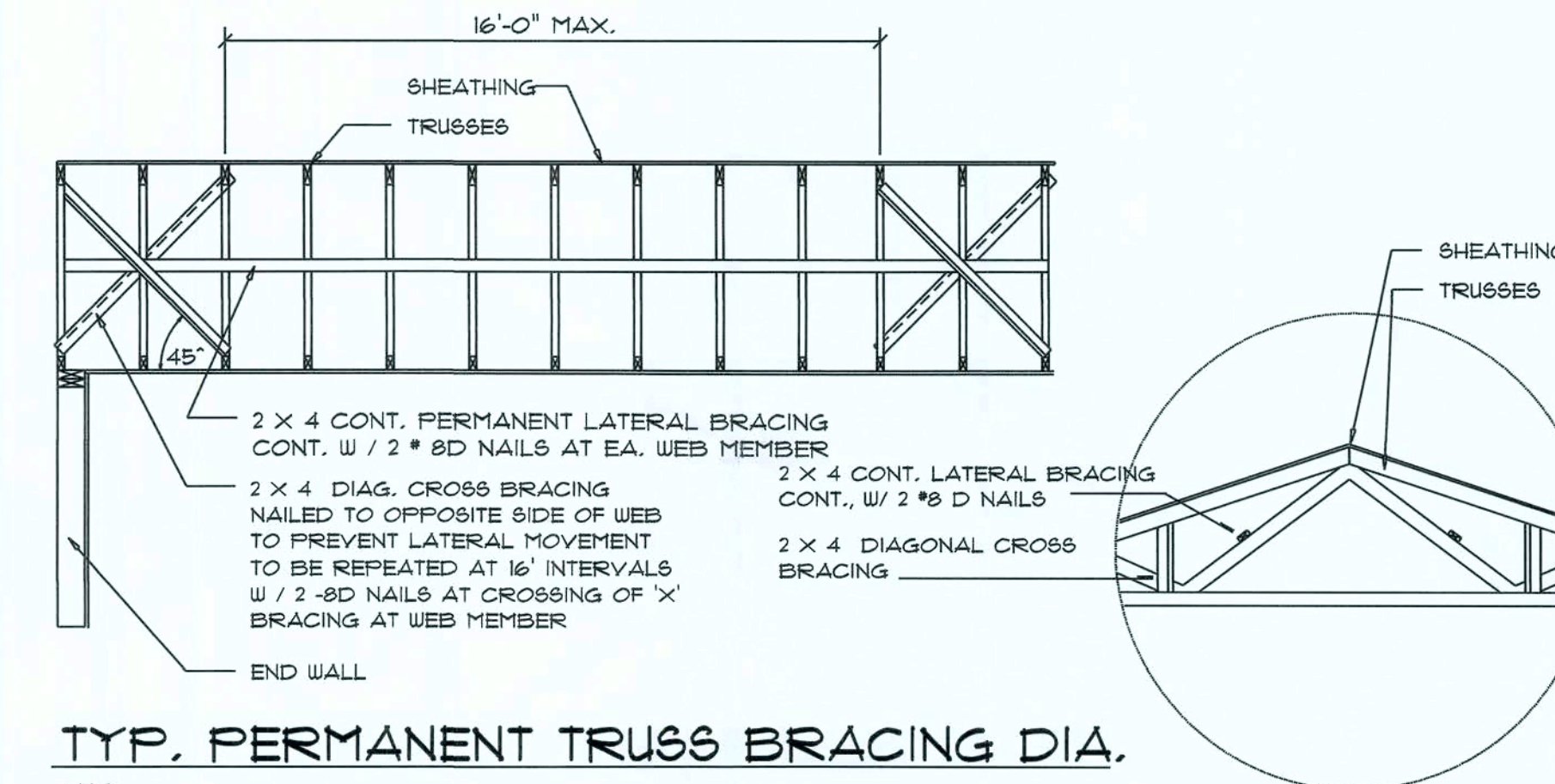
Roof Nail Pattern DET.
SCALE: NONE

B



Girder Truss Column DET.
SCALE: 1/2" = 1'-0"

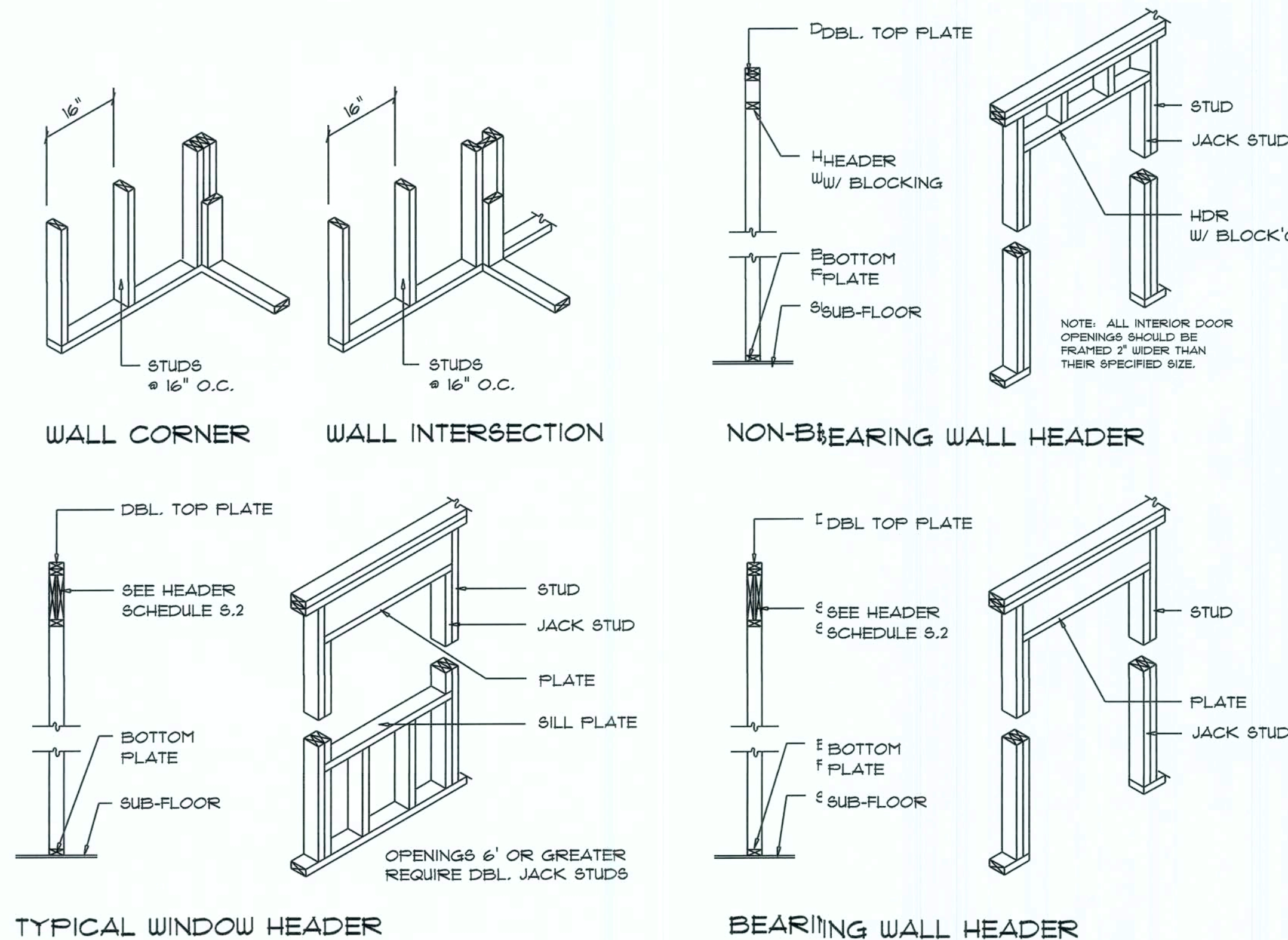
C



Typ. Permanent Truss Bracing Dia.
NTS
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

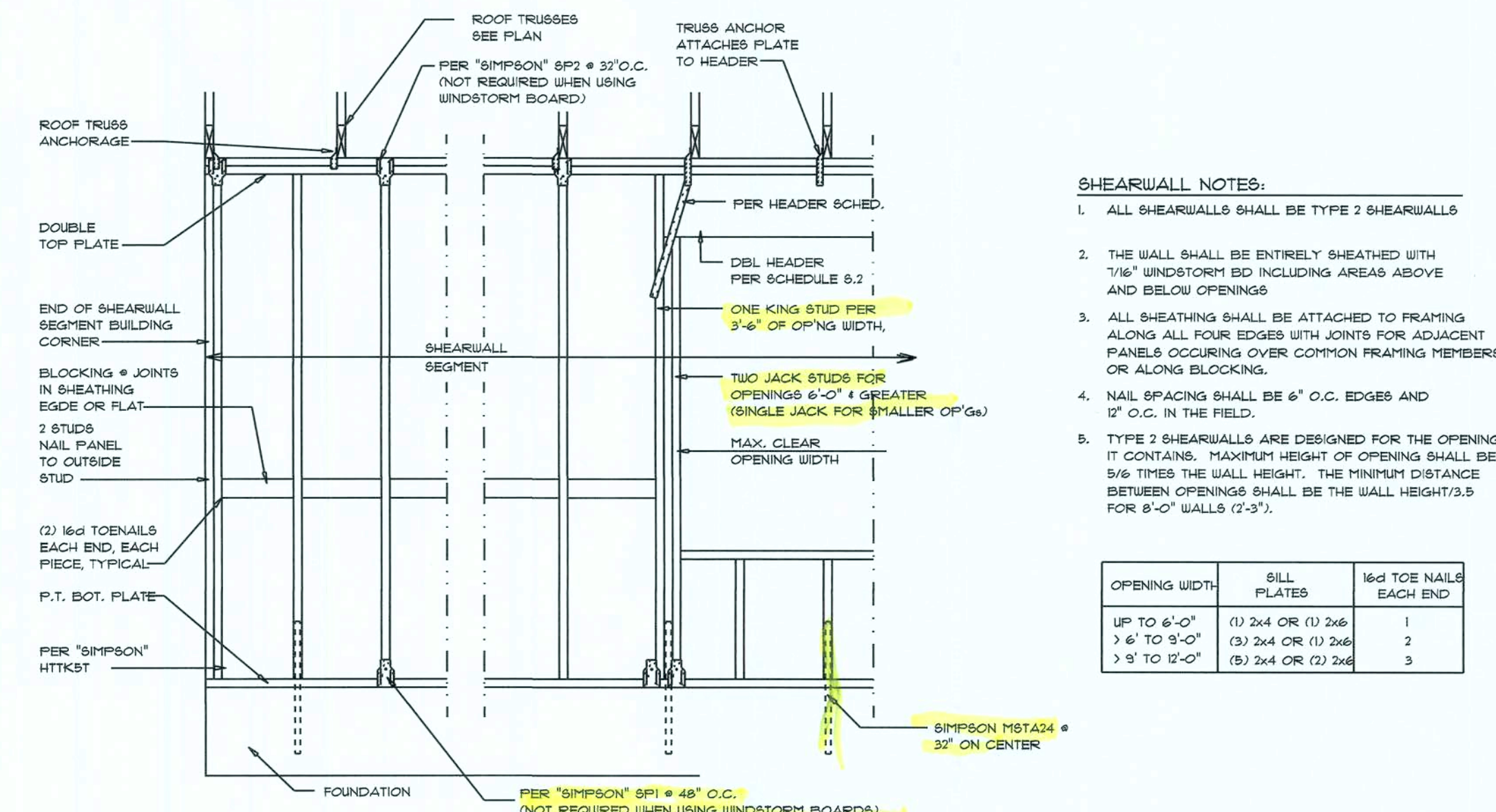
D

Truss Bracing DETAILS
SCALE: AS NOTED



Wall Framing/Header DETAILS
SCALE: NONE

F



Shear Wall DETAILS
SCALE: NONE

E

REVISIONS
SEPT 8th, 2020

CUSTOM HOME FOR:
BENSEN RESIDENCE
FT WHITE, FLORIDA

NICHOLAS PAUL GEISLER ARCHITECT
186 NW Brown Rd.
Lake City, FL 32065
NCARB Certified

SHEET NUMBER
S.4
OF 6 SHEETS

AR0007005