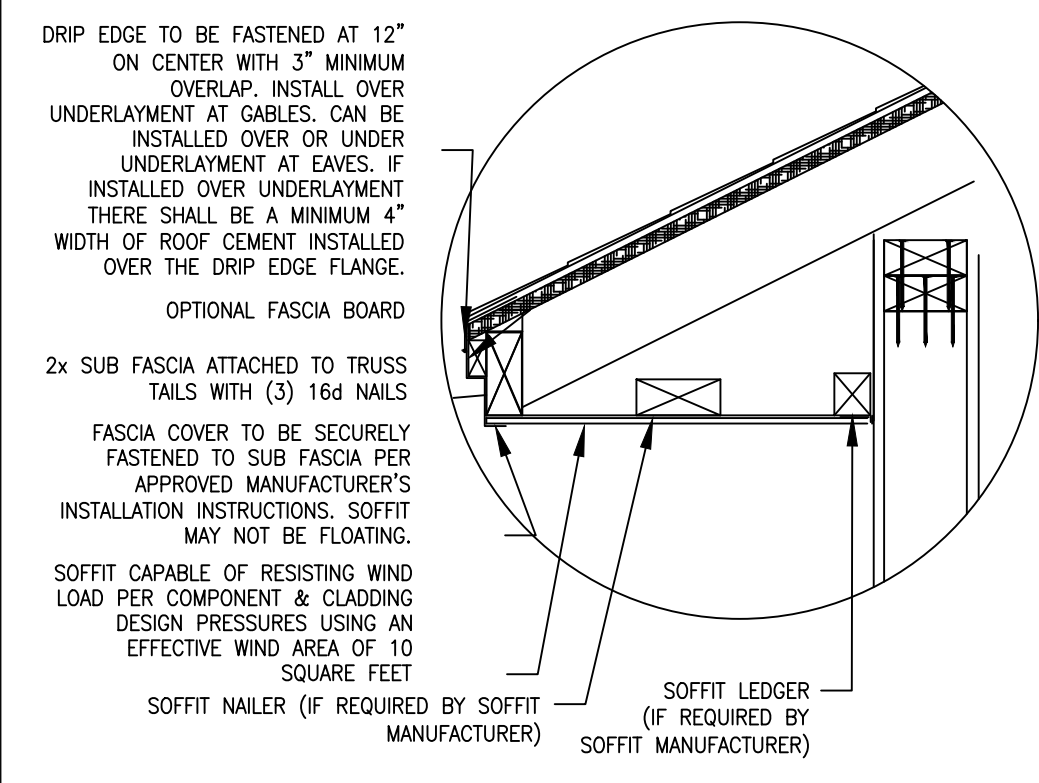
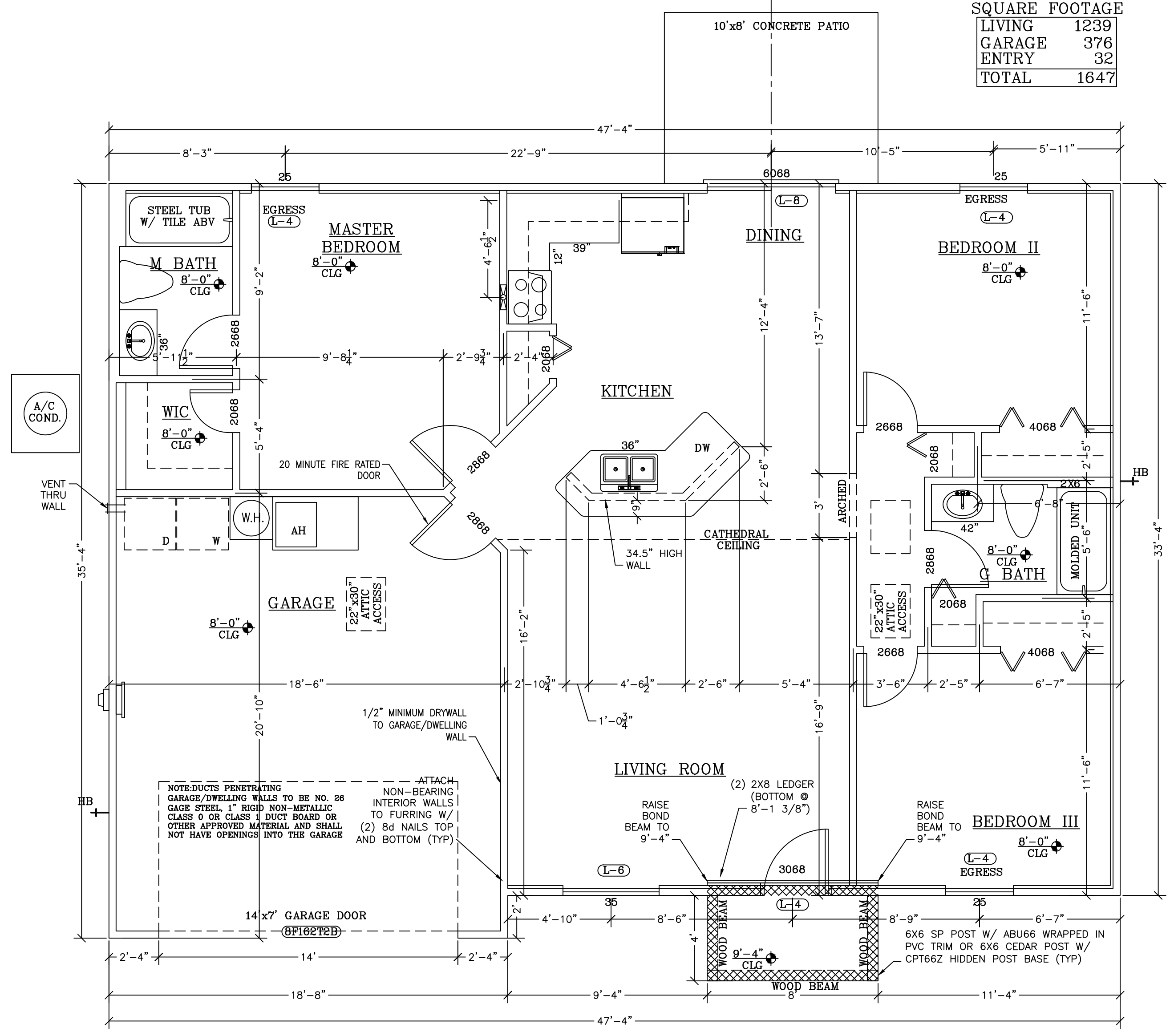
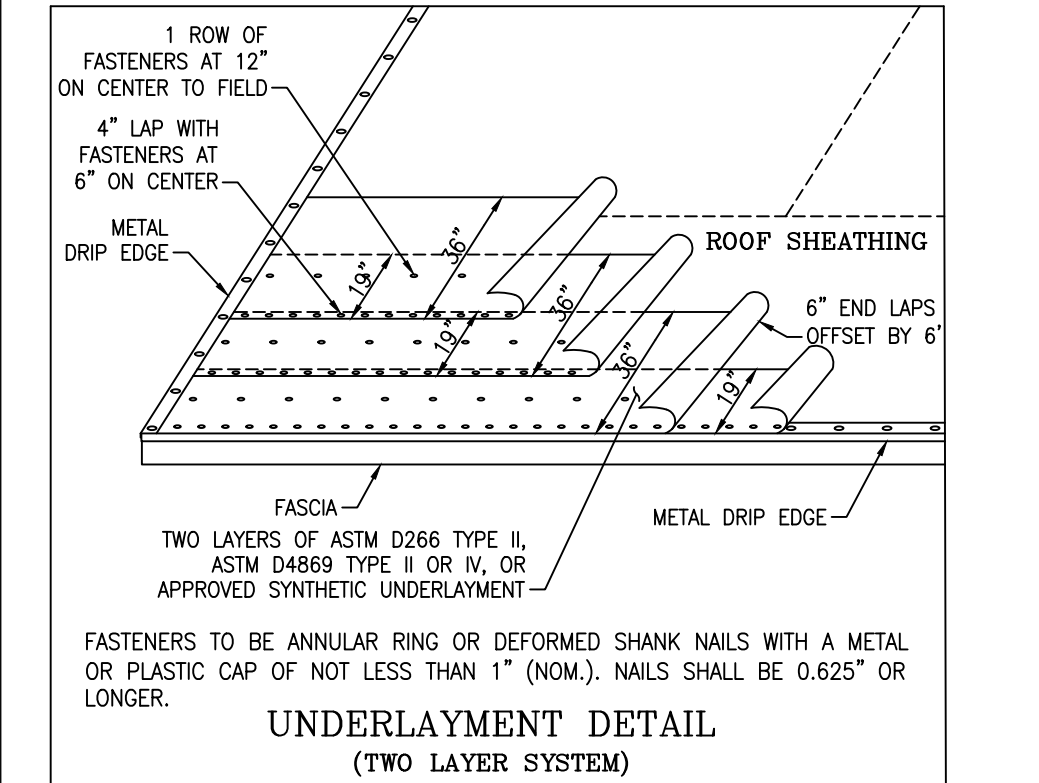


SQUARE FOOTAGE	
LIVING	1239
GARAGE	376
ENTRY	32
TOTAL	1647



SOFFIT AND FASCIA DETAIL

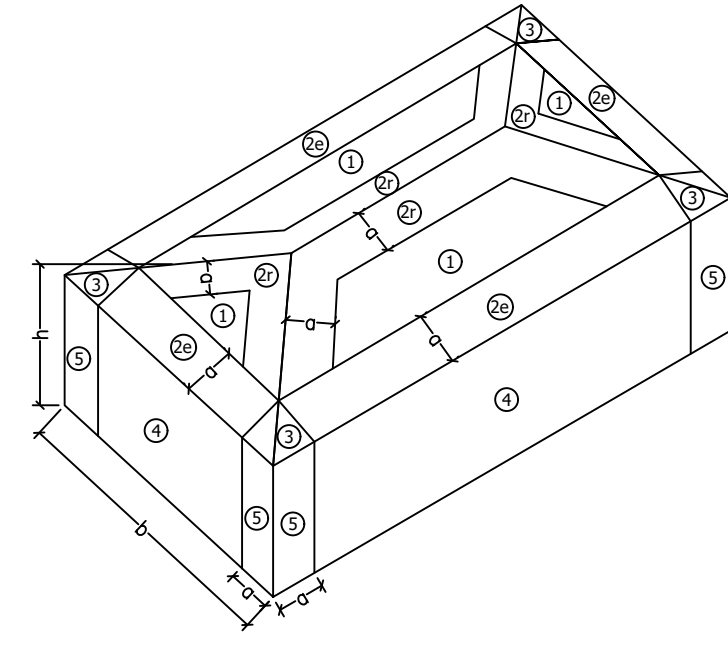


UNDERLAYMENT DETAIL (TWO LAYER SYSTEM)

FLOOR AND ROOF LIVE LOADS	
UNINHABITABLE ATTICS:	20 PSF
HABITABLE ATTICS & BEDROOMS:	30 PSF
ALL OTHER ROOMS:	40 PSF
GARAGE:	40 PSF
ROOFS:	20 PSF
WIND DESIGN DATA	
ULTIMATE WIND SPEED:	130 MPH
NOMINAL (BASIC) WIND SPEED:	103 MPH
RISK CATEGORY:	II
WIND EXPOSURE:	C
ENCLOSURE CLASSIFICATION:	ENCLOSED
INTERNAL PRESSURE COEFFICIENT:	0.18±
GEOTECHNICAL INFORMATION	
DESIGN SOIL LOAD-BEARING CAPACITY:	2,000 PSF
FLOOD ZONE:	FLOOD DESIGN DATA

**ROOF SHEATHING NOTES FOR 140 MPH WIND SPEED EXP. C**

- SHEATHING TO BE 19/32" WOOD STRUCTURAL PANELS WITH A 40/20 SPAN RATING
- NAILS TO BE ROOF SHEATHING RING SHANK (RSRS) 2-1/2"x0.131" OR 3"x0.120" AT 6" ON CENTER THROUGHOUT



HIP ROOF (7° < θ < 45°)

**Component and Cladding Loads (psf)**

Ultimate Wind Speed	140 MPH		
Mean Roof Height (ft)	15		
Exposure Category	C		
Hip Roof > 20 to 27 degrees			
ZONE	EFFECTIVE WIND AREA (SQ)	POSITIVE	NEGATIVE
1	10	19.12	-34.24
1	20	16.46	-30.37
1	50	13.07	-25.17
1	100	12.10	-21.30
2a, 2r, 3	10	19.12	-47.31
2a, 2r, 3	20	16.46	-42.23
2a, 2r, 3	50	13.07	-35.57
2a, 2r, 3	100	12.10	-30.61
Walls			
4	10	25.65	-27.71
4	20	24.44	-26.62
4	50	22.99	-25.05
4	100	21.78	-23.96
5	10	19.12	-21.30
5	20	16.46	-19.94
5	50	15.25	-18.92
5	100	14.12	-18.02
5	500	12.10	-16.30

**Notation**

a = 4' in all cases

h = Mean roof height, in ft

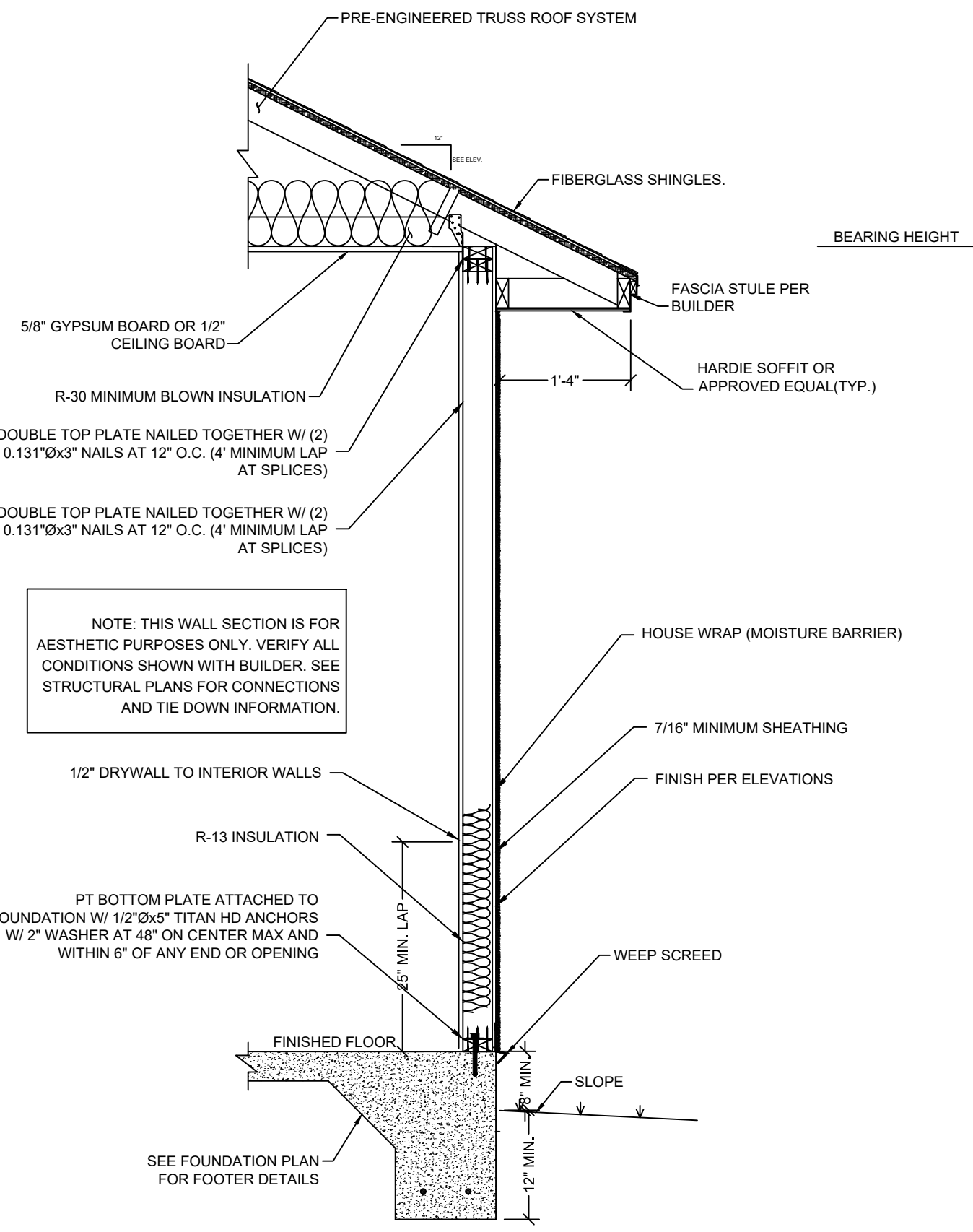
θ = Angle of plane of roof from horizontal, in degrees.

**Notes**

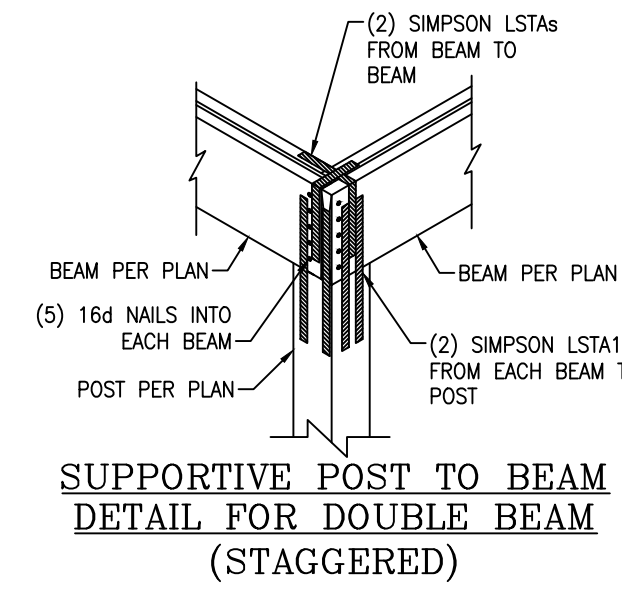
- Pressures shown are applied normal to the surface, and have been adjusted for exposure and mean roof height.
- Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
- For effective wind areas between those given, values may be interpolated; otherwise use the value associated with the lower effective wind area.

POWER LINTEL - PSbox8 (7-5/8" 16" COMPOSITE)			
MARK	NO	TOTAL CLEAR SPAN	FILLED W/ #5 T&B
L-1	1-8	6'-0"	8190
L-2	2-8	3'-0"	6313
L-3	3-8	4'-0"	5107
L-4	3-8	4'-0"	4283
L-5	4-0	0'-0"	3660
L-6	6-0	0'-0"	3660
L-7	6-0	0'-0"	2580
L-8	6-0	0'-0"	2143
L-9	7-0	0'-0"	1874
L-10	8-0	0'-0"	1605
L-11	8-0	0'-0"	1407
L-12	8-0	0'-0"	1297
L-13	10-0	0'-0"	1136
L-14	12-0	0'-0"	1045
L-15	12-0	0'-0"	979
L-16	12-0	0'-0"	899
L-17	14-0	0'-0"	879
L-18	16-0	0'-0"	795
L-19	18-0	0'-0"	688
L-20	18-0	0'-0"	538
L-21	20-0	0'-0"	518
L-22	22-0	0'-0"	497
L-23	24-0	0'-0"	469
L-24	26-0	0'-0"	441
L-25	28-0	0'-0"	413
L-26	30-0	0'-0"	385
L-27	32-0	0'-0"	357
L-28	34-0	0'-0"	329
L-29	36-0	0'-0"	301
L-30	38-0	0'-0"	273

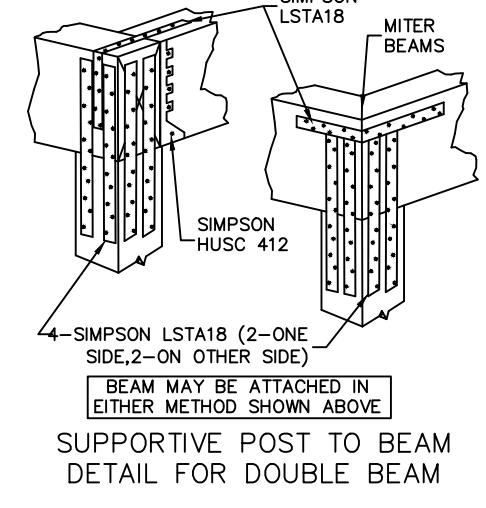
NOTE: ALL LINTELS GREATER THAN 22'-0" IN LENGTH WILL REQUIRE (2) #5 BARS TOP OR (2) #5 BARS TOP & BOTTOM



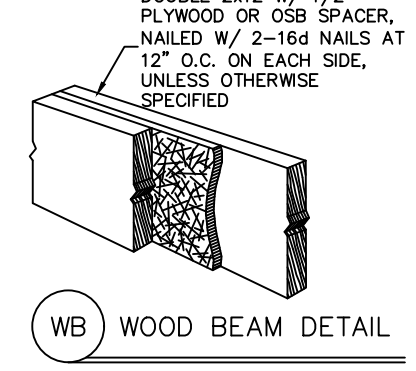
TYPICAL WALL SECTION  
SCALE: 1" = 1'-0"



SUPPORTIVE POST TO BEAM DETAIL FOR DOUBLE BEAM (STAGGERED)



SUPPORTIVE POST TO BEAM DETAIL FOR DOUBLE BEAM



WB WOOD BEAM DETAIL

**GENERAL NOTES**

- THE ENGINEER OF RECORD HAS DESIGNED THIS STRUCTURE IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF:
  - THE 2023 FLORIDA BUILDING CODE (8th EDITION) AND
  - THE WIND LOAD REQUIREMENTS OF ASCE 7.
- TERMITE AND WATER INTRUSION PROTECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THAT OF THE ENGINEER.
- THE DETAILS AND NOTES IN THIS PLAN ARE NOT INTENDED TO SUPERSEDE THOSE IN THE ABOVE REFERENCED CODES OR INSTALLATION INSTRUCTIONS FROM THE MANUFACTURER. THEY ARE TO SHOW HOW THE CODE/INSTRUCTIONS WILL BE APPLIED TO THIS DESIGN AND TO PROVIDE CLARITY IN INSTANCES WHEN THE CODE/INSTRUCTIONS DO NOT. WHEN A DETAIL OR NOTE DOES NOT AGREE WITH THE CODES/INSTRUCTIONS FROM THE MANUFACTURER, THE CODE/INSTRUCTIONS SHALL GOVERN.
- ALL COMPONENTS AND MATERIALS ARE TO BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. FAILURE TO FOLLOW THE INSTRUCTIONS WILL RESULT IN A FAILURE OF YOUR INSPECTION. RIDGE-NEWMAN ENGINEERING WILL NOT ASSUME RESPONSIBILITY FOR ITEMS INSTALLED CONTRARY TO THE MANUFACTURER'S INSTRUCTIONS NOR WILL THEY PROVIDE ALTERNATIVE INSTRUCTIONS THAT ARE CONTRARY TO THOSE PROVIDED BY THE MANUFACTURER.
- ALL CONNECTIONS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.
- CONTRACTOR MAY SUBSTITUTE CONNECTORS OF EQUAL QUALITY, PERFORMANCE AND MATERIAL SPECIFICATIONS AS SHOWN.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- INTERIOR WALLS ARE NON-SUPPORTIVE UNLESS NOTED OTHERWISE.

**MASONRY NOTES**

- ALL MASONRY WALLS HAVE BEEN DESIGNED IN ACCORDANCE WITH ICC STANDARD FOR RESIDENTIAL CONSTRUCTION IN HIGH-WIND REGIONS (ICC 600)
- ALL FRAMING SHALL BE FABRICATED AND INSTALLED AS PER AITC, TPI AND NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
- ALL WOOD STRUCTURAL MEMBERS SHALL BE CONTROLLED STRESS GRADE LUMBER HAVING A FIBER STRESS OF AT LEAST 1200 PSI.
- DOOR AND WINDOW BUCKS ARE TO BE PRESSURE TREATED. BUCKS THICKER THAN 1-1/4" ARE TO BE FASTENED TO MASONRY WITH 1-1/4" EMBEDMENT AT 4" FROM EACH END AND 24" ON CENTER MAX. FOR BUCKS THINNER THAN 1-1/2" DOOR OR WINDOW IS TO BE FASTENED TO MASONRY THRU THE BUCK PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ALL REINFORCING STEEL SHALL BE PROVIDED WITH A MINIMUM OF 2" OF CONCRETE COVER, EXCEPT BELOW GRADE, WHERE A MINIMUM OF 3" OF CONCRETE COVER SHALL BE PROVIDED. ALL CONCRETE BLOCKS SHALL BE STANDARD WEIGHT BLOCKS CONFORMING TO ASTM C90, GRADE N1 WITH fm=1000 PSI, LAID IN RUNNING BOND WITH TYPE S MORTAR.
- WHERE SHOWN, CORES OF CONCRETE BLOCK MASONRY SHALL BE FILLED WITH PEA GRAVEL CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. SLUMP SHALL BE EQUAL TO 8-10 INCHES.
- IN MASONRY HEADERS EXTEND THE BOTTOM STEEL REINFORCEMENT A MINIMUM OF 6 INCHES INTO PLASTER OR POURED COLUMN AND WIRE TIE TO VERTICAL REINFORCEMENT STEEL (REBARS).
- ALL CONTINUOUS VERTICAL OR HORIZONTAL REBARS IN FOOTINGS, BEAMS AND OTHER CONCRETE SHALL BE SPLICED WHERE NECESSARY OR DESIRABLE BY WRING TOGETHER IN CONTACT. THE LENGTH OF #5 BAR LAPS SHALL BE A MINIMUM OF 25 INCHES (40 BAR DIAMETERS).
- ATTACH NON-BEARING INTERIOR WALLS TO FURRING STRIPS W/ (2) 8D NAILS TOP AND BOTTOM

Drafting Firm:  
Elite Drafting & Design, LLC.  
16798 SE 175th Terrace Rd  
Weirsdale, FL 32195  
(352) 821-2448

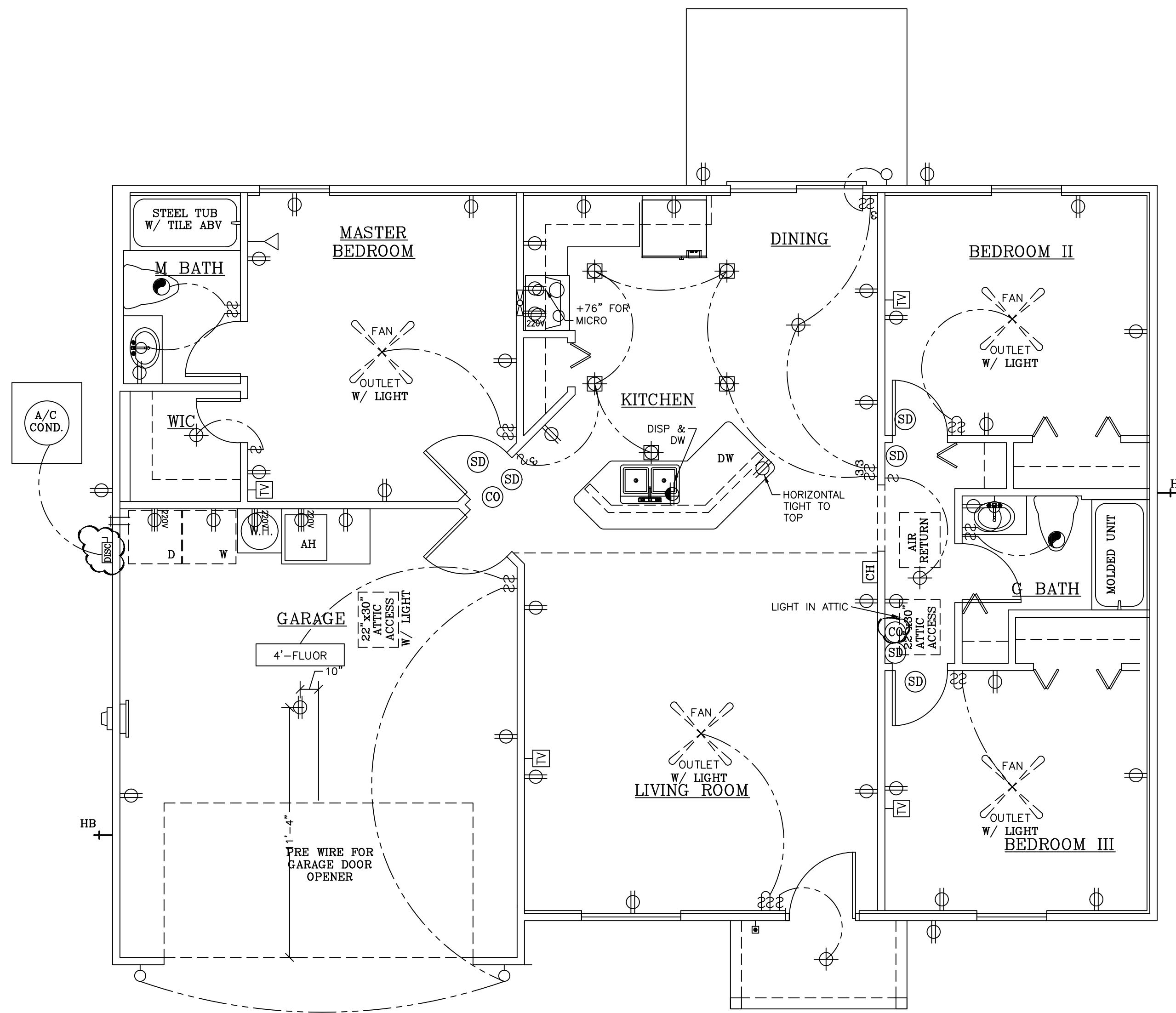
Building Authority:  
Citrus County Building Division  
3600 W Sovereign Path #111  
Leucato, FL 34461  
(352) 527-5310

By	Description
RKL	REVISED TYPICAL WALL SECTION
EBG	REVISED STICK WALL
Rev	Date
1	12/20/21
2	12/29/21









**ELECTRICAL LEGEND**

	DUPLEX OUTLET
	QUAD OUTLET
	1/2 SWITCHED OUTLET
	220V OUTLET
	2-WAY SWITCH
	3-WAY SWITCH
	4-WAY SWITCH*
	DIMMER SWITCH
	RHEOSTAT
	COAX TERMINAL
	PHONE TERMINAL
	DATA TERMINAL
	CEILING MOUNT LIGHT
	MINI SOFFIT LIGHT
	RECESSED LIGHT
	WALL LIGHT
	EXHAUST FAN
	EXHAUST FAN/LIGHT COMBO
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	SHOP LIGHT
	FAN OUTLET

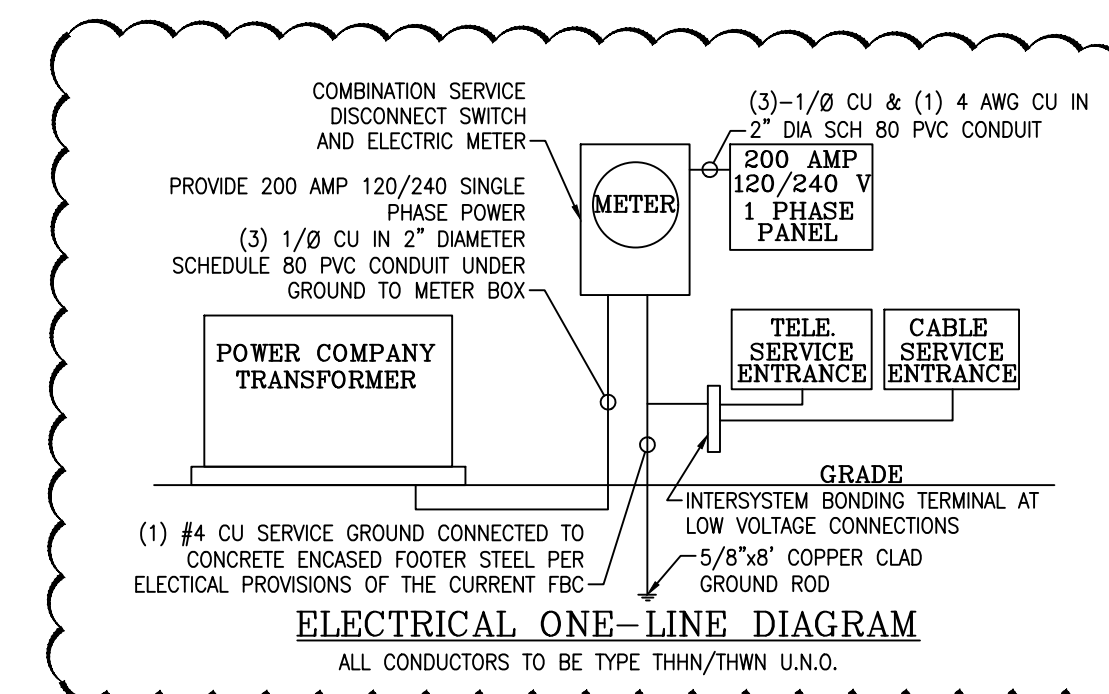
**NOTE**  
ALL ELECTRIC TO BE INSTALLED PER 2020 NATIONAL ELECTRIC CODE

**ELECTRIC NOTES**

1. DISHWASHER OUTLET TO BE GFCI PROTECTED.
2. ALL 15 AND 20 AMP BRANCH CIRCUITS TO BE ARC FAULT PROTECTED.
3. ALL 120V OUTLETS IN LAUNDRY ROOM MUST BE GFCI PROTECTED.
4. A COUPLING CANNOT BE PAST THE LAST STRAP OR ABOVE THE ROOF ON AN ELECTRICAL SERVICE RISER.
5. UNDERGROUND SERVICE CONDUCTORS CANNOT BE INSTALLED IN CARFLEX.
6. A GROUNDED CONDUCTOR (NEUTRAL) IS REQUIRED AT SWITCH LOCATIONS.
7. SWITCHES AND RECEPTACLES CANNOT BE INSTALLED WITH DRYWALL SCREWS.
8. ALL RECEPTACLES SERVING KITCHEN OR BATHROOM COUNTERTOPS MUST BE GFCI PROTECTED.
9. ALL EXTERIOR OUTLETS TO BE WEATHER PROOF AND GFCI PROTECTED.

**STANDARD OUTLET HEIGHTS**

- UNLESS NOTED OTHERWISE, ALL RECEPTACLES TO BE INSTALLED AT HEIGHTS LISTED BELOW AS MEASURED TO THE BOTTOM:
- STANDARD OUTLETS = 14"
  - EXTERIOR OUTLETS = 24" (HORIZONTAL)
  - OUTLETS ABOVE COUNTERS = 42"
  - WASHER OUTLET = 42"
  - DRYER & REFRIGERATOR OUTLETS = 36"
  - SWITCHES = 42"
  - OUTLETS & SWITCHES IN BATHROOM BACK SPLASH = 34" (HORIZONTAL)



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3600 W Sovereign Path #1111  
Leucania, FL 34461  
(352) 527-5310

Rev	Date	Description
1	12/20/21	ADDED A/C DISC., CO DETECTOR, RISER DIAGRAM, AND REVISED NOTES.

**The Charley II Model**

A Project For:  
**CKF Construction Services**  
5711 Richard St, Suite 1  
Jacksonville, FL 32216

Sheet Description  
**Electric Plan LHD**

Drawn by: **RKL** Checked by: **CG**  
 Issued Date: **9/21/21** Scale (I/N O.): **1/4" = 1'-0"**  
 Printed Date: **2/23/24** Sheet Number: **5 of 5**