PLANS DESIGNED TO THE **GENERAL NOTES LOT 3 WEST PARK** 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE 2018 NORTH CAROLINA STATE NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS. 123 WEST PARK LANE 2. CONTRACTOR SHALL THOROUGHLY REVIEW ALL SHEETS IN PLAN SET AND RESIDENTIAL BUILDING CODE. VERIFY ALL DETAILS AND DIMENSIONS BEFORE BEGINNING CONSTRUCTION. SANFORD, NC ANY DISCREPANCIES SHALL BE REPORTED TO RENAISSANCE RESIDENTIAL DESIGN, INC. FOR JUSTIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH WORK. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS THAT ARE NOT REPORTED PRIOR TO CONSTRUCTION. ALL DIMENSIONS SHOULD BE READ OR CALCULATED AND NEVER SCALED. RIDGE VENT (TYP.) CONTRACTOR SHALL ENSURE COMPATIBILITY OF THE BUILDING WITH ALL SITE REQUIREMENTS. 1 x 4 FRIEZE BOARD AS SPEC. 18" x 24" DECORATIVE (TYP. FRONT ELEVATION ONLY) VENT AS SPEC. SIDING AS SPEC. (TYP.)-- SHINGLES AS SPEC. (TYP.) SHINGLES AS SPEC. (TYP.)-CORNER BOARD EXTERIOR LIGHT AS SPEC. (TYP.) AS SPEC. (TYP.) 12" O.H. (TYP.)-- 12" TAPERED COL. ON 16" x 16" x 36" BASE AS SPEC. (TYP.) 9-1-1-2-1-2-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-1-3-1-3-1-3-1-3-1 1 x 4 TRIM AS SPEC. (TYP.) -1 x 4 TRIM AS SPEC. (TYP.) GARAGE DOOR AS SPEC. WITH OPTIONAL HARDWARE

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

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes
and is subject to field inspection and verification.

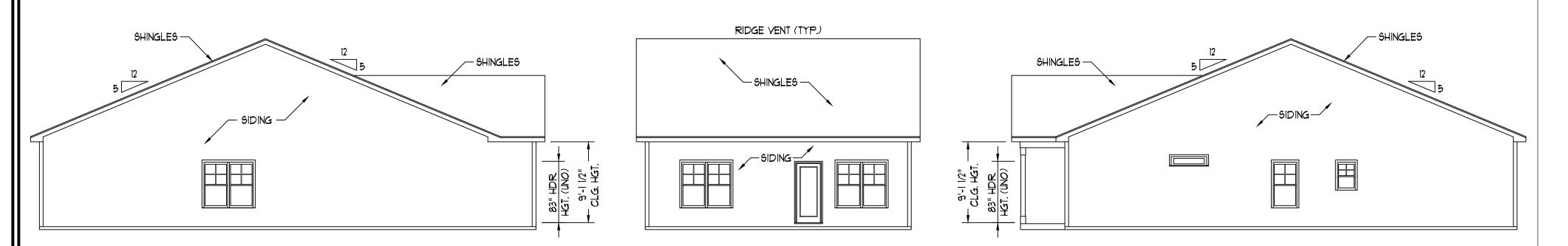
APPROVED
Limited building only review
Permit holder responsible for
full compliance with the code

08/04/2021

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes
and is subject to field inspection and verification.

Harnett
C 0 U N T Y
NORTH CAROLINA

OPTIONAL CULTURED STONE SKIRT (SHOWN)



STEPS PER GRADE AS REQ.

 LEFT ELEVATION
 REAR ELEVATION

 SCALE: 1/8" = 1'-0"
 SCALE: 1/8" = 1'-0"

PLUMBING: DOUBLE J HVAC: MAINSTREAM ELECTRICAL: PIONEER

SCALE NOTE: 18x24 PRINTS ARE
TO SCALE AS NOTED.
11x17 PRINTS ARE NOT TO SCALE

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(919) 649-4128
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WEAVER HOMES CAROLINA COLLECTION LEYLAND DRIVE LEFT

DATE: JUNE 15, 2020

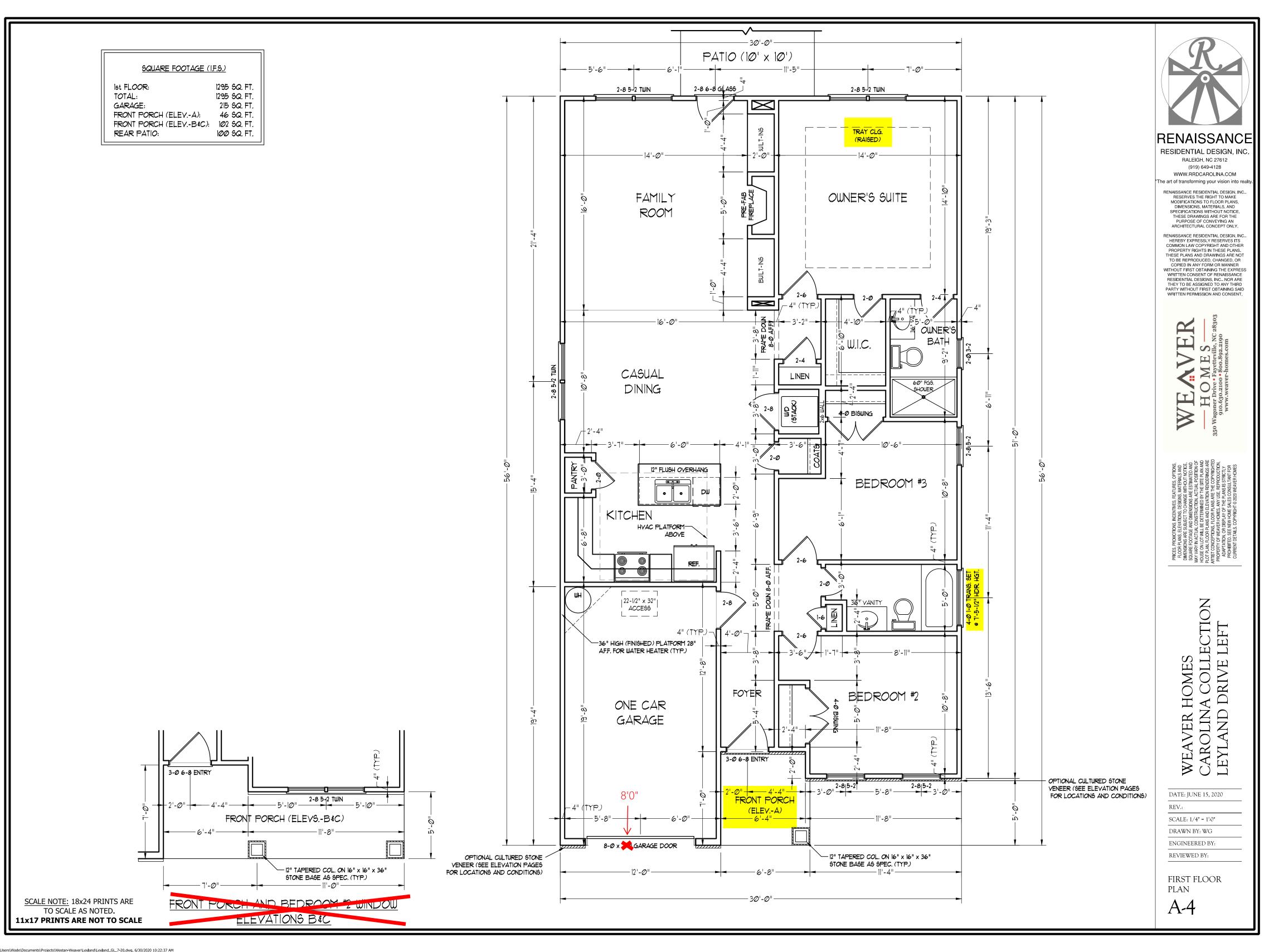
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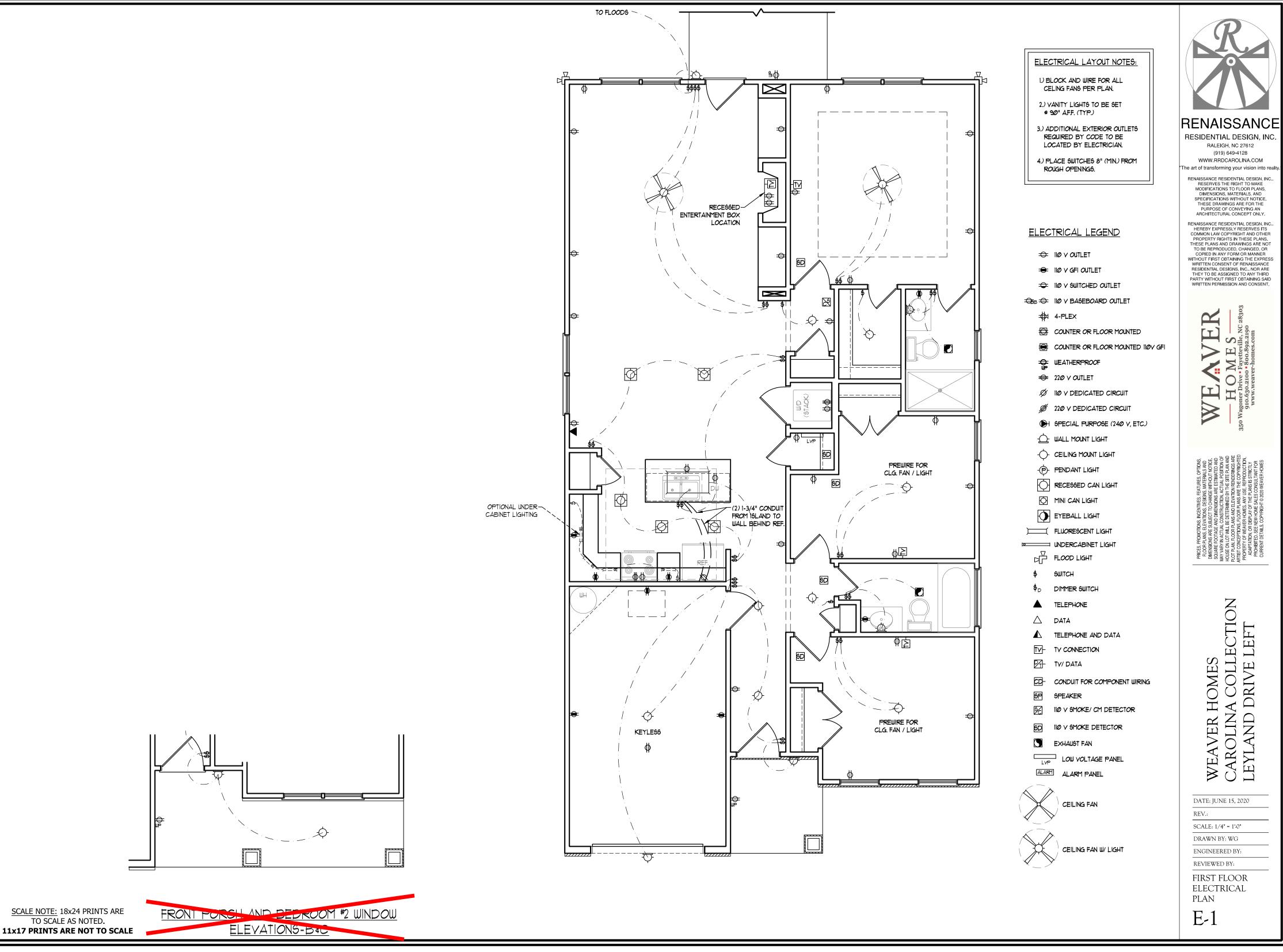
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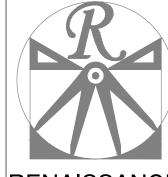
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REVIEWED BY:

A - ELEVATIONS

A-1







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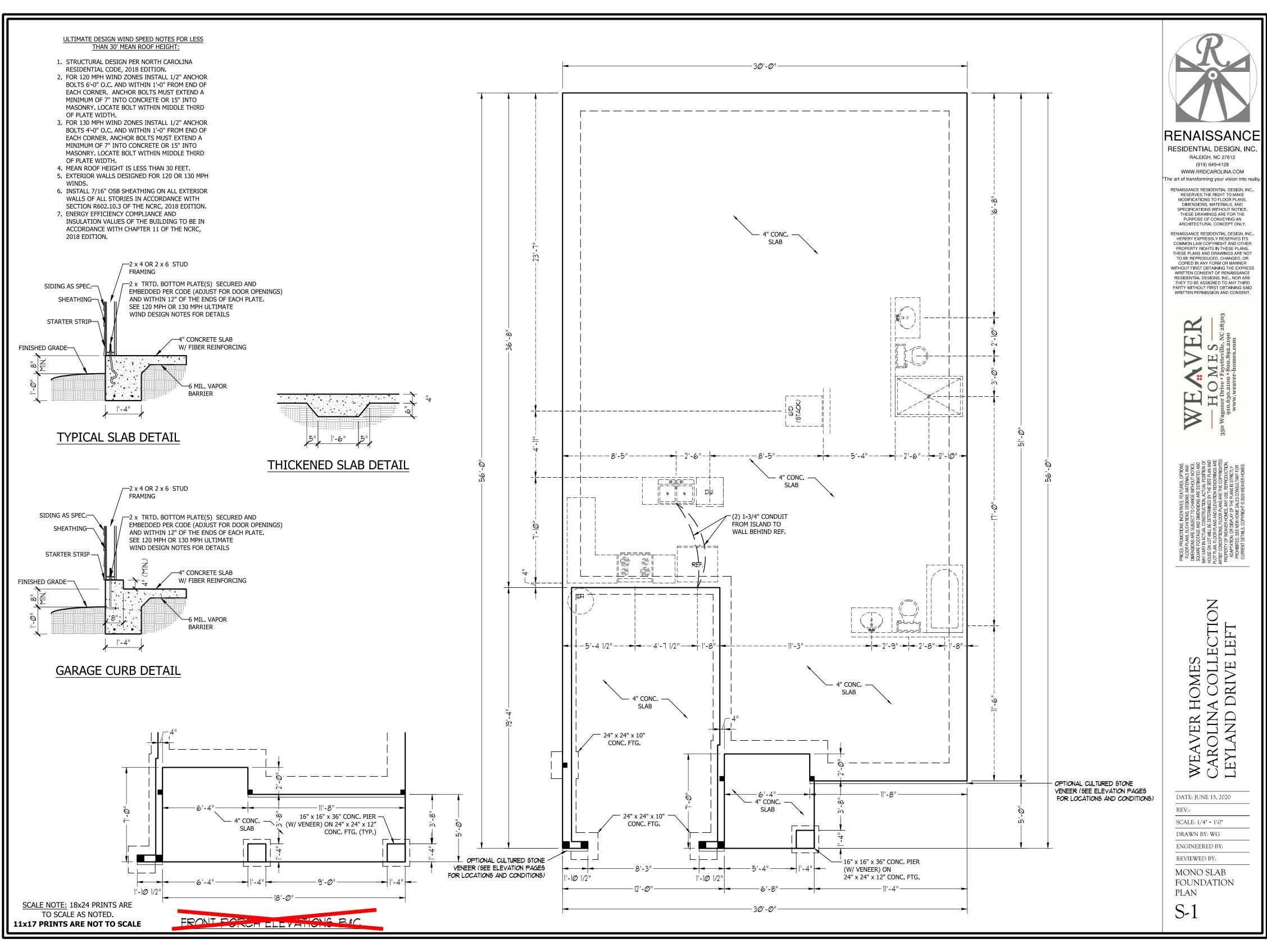
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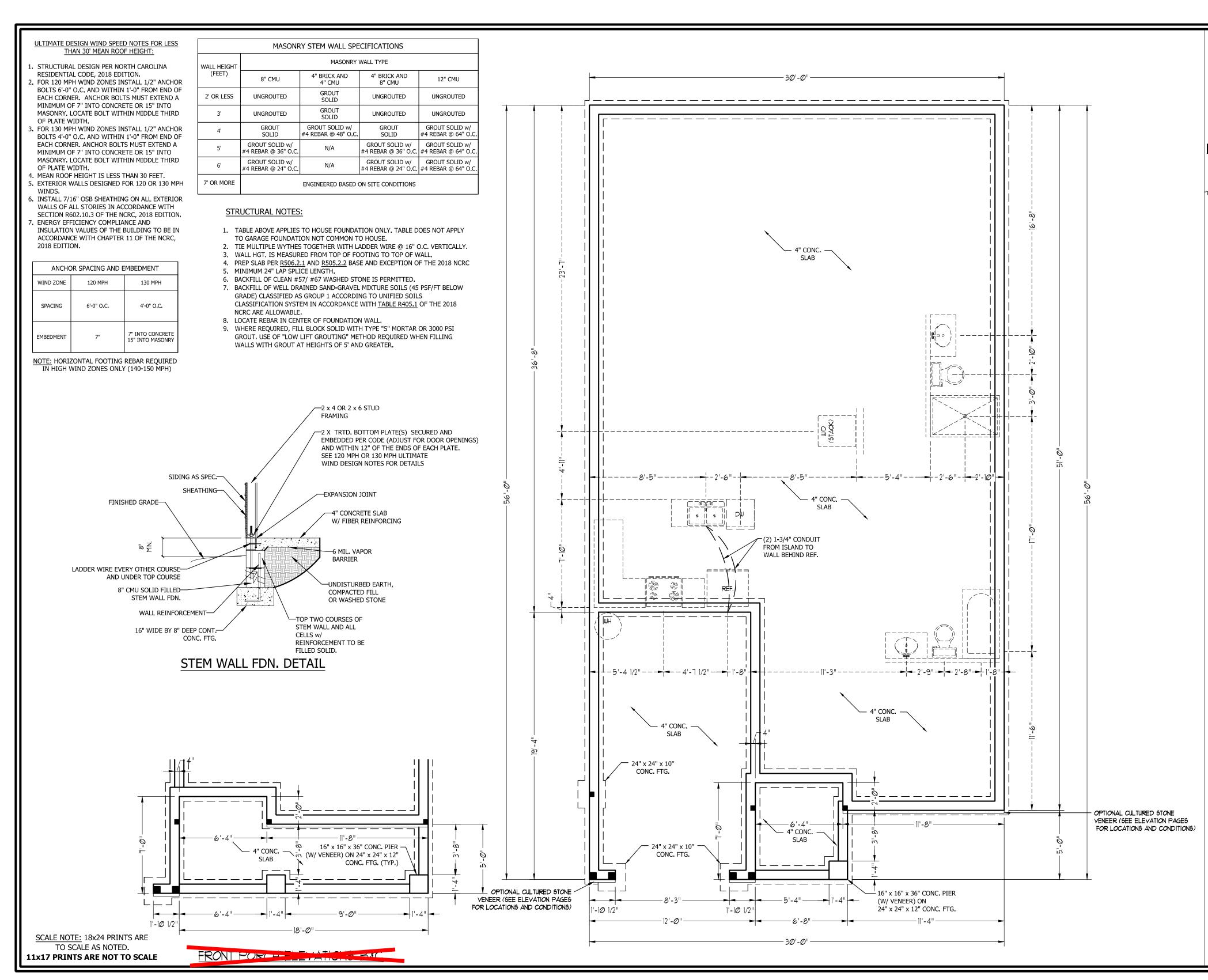
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DATE: JUNE 15, 2020

REV.: SCALE: 1/4" = 1'.0"

DRAWN BY: WG

ENGINEERED BY:

REVIEWED BY:

STEMWALL SLAB FOUNDATION PLAN

S-1

 $\label{local-condition} C:\label{local-condition} C:\label{local-con$

BRACE WALL PANEL NOTES:

EXTERIOR WALLS: ALL EXTERIOR WALLS TO BE SHEALTHED WITH CS-WSP OR CS-SFB IN ACCORDANCE WITH SECTION R602.10.3 UNLESS NOTED OTHERWISE,

REQUIRED LENGTH OF BRACING: REQUIRED BRACE WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602.10.3. METHODS CS-WSP AND CS-SFB CONTRIBUTE THIER ACTUAL LENGTH. METHOD GB CONTRIBUTES 0.5 ITS ACTUAL LENGTH. METHOD PF CONTRIBUTES 1.5 TIMES ITS ACTUAL LENGTH.

GYPSUM: ALL INTERIOR SIDES OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED. WHEN NOT USING METHOD GB GYPSUM TO BE FASTENED PER TABLE R702.3.5. METHOD GB TO BE FASTENED PER TABLE R602.10.1.

HD: 800 LBS HOLD DOWN DEVICE FASTENED TO THE EDGE OF THE BRACE WALL PANEL NEAREST TO THE CORNER

METHODS: PER TABLE R602.10.1

1. ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED LUMBER TO BE SYP #2

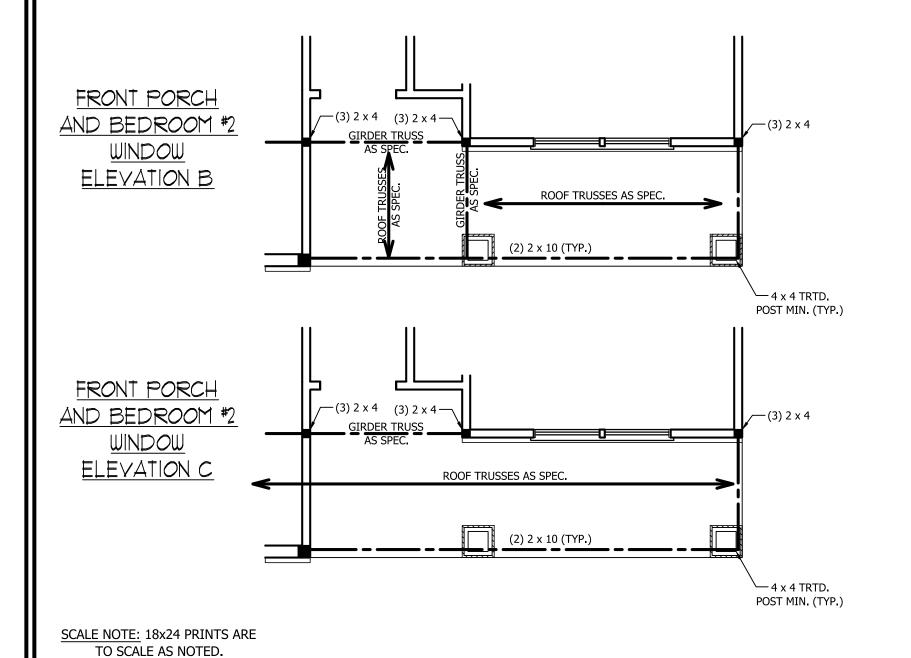
STRUCTURAL NOTES:

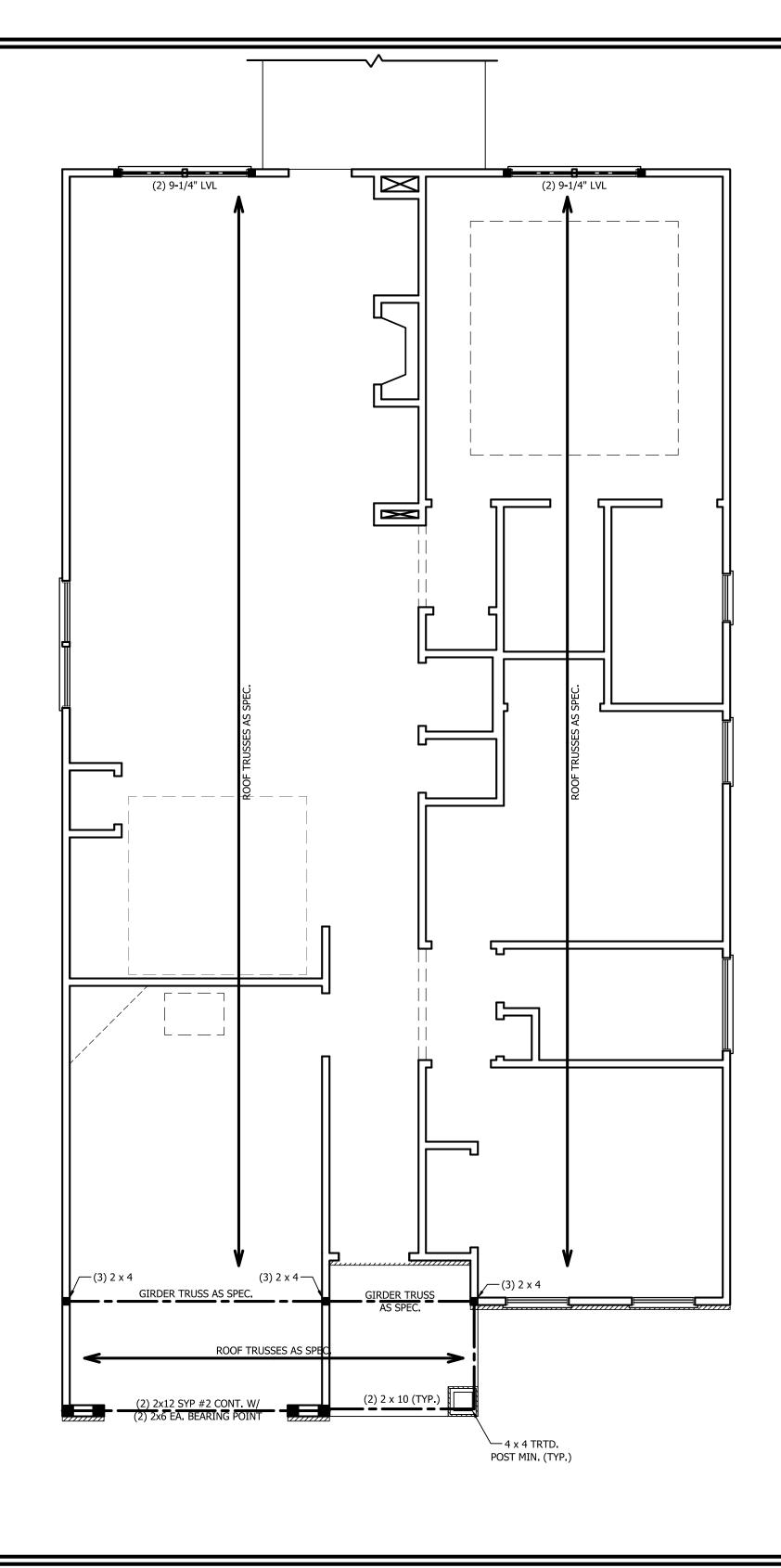
- 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 4 (UNO).
- 3. INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS
- 4. WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO.). SEE TABLE R602.7.5 FOR ADDITIONAL KING STUD REQUIREMENTS.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)
- 6. ALL 4 X 4 POSTS SHALL BE ANCHORED TO SLABS W/ SIMPSON ABU44 POST BASES (OR EQUAL) AND 6 X 6 POSTS W/ ABU66 POST BASES (OR EQUAL) (UNO). ALL 4 X 4 AND 6 X 6 POSTS TO BE INSTALLED WITH 700 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO.)
- 7. FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB W/
 (2) METAL ANGLES USING 2" CONC. SCREWS. FASTEN ANGLES TO COLUMNS W/
 1/4" THROUGH BOLTS W/ NUTS AND WASHERS. LOCATE ANGLES ON OPPOSITE
 SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING
 COLUMN.

EXTENT OF HEADER WITH SINGLE PORTAL FRAME
(ONE BRACED WALL HAVE
PARTY OF HEADER WITH SINGLE PORTAL FRAME
(ONE BRACED WALL HAVE
FOR SINGLE OR DOUBLE PORTAL
FRAME
FOR SINGLE OR DOUBLE PORTAL
FOR SINGL

FIGURE R602.10.1

METHOD PF—PORTAL FRAME CONSTRUCTION







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DATE: JUNE 15, 2020

REV.:

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

DRAWN BY: WG

ENGINEERED BY: REVIEWED BY:

SECOND FLOOR FRAMING PLAN

S-2

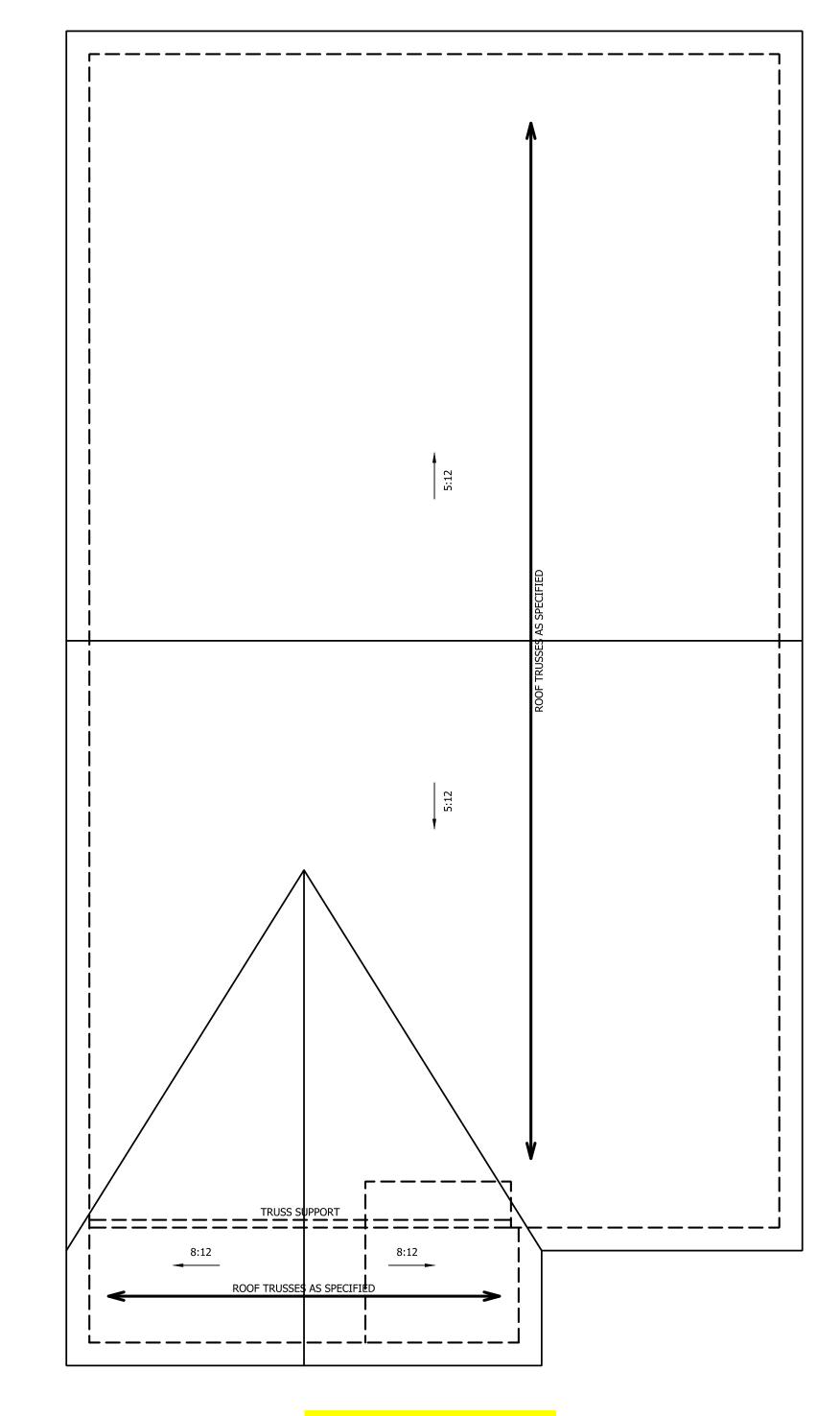
11x17 PRINTS ARE NOT TO SCALE

ATTIC VENT CALCULATION:

1756 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 11.7 SQ. FT. OF NET FREE VENTILATING AREA (MIN.).

STRUCTURAL NOTES:

- 1. ALL FRAMING LUMBER TO BE #2 SPF (UNO).
- 2. HIP SPLICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS @ 16" O.C. (TYP.)
- 3. STICK FRAME OVER-FRAMED ROOF SECTIONS W/ 2 x 8 RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRUSSES.
- 4. FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON H2.5A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) 12d TOE NAILS.
- 5. REFER TO SECTION R802.11 OF THE 2018 NCRC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES.



SCALE NOTE: 18x24 PRINTS ARE
TO SCALE AS NOTED.

11x17 PRINTS ARE NOT TO SCALE

ELEVATION A



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WEAVER HOMES
CAROLINA COLLECTION
CEYLAND DRIVE LEFT

DATE: JUNE 15, 2020

REV.:

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

DRAWN BY: WG

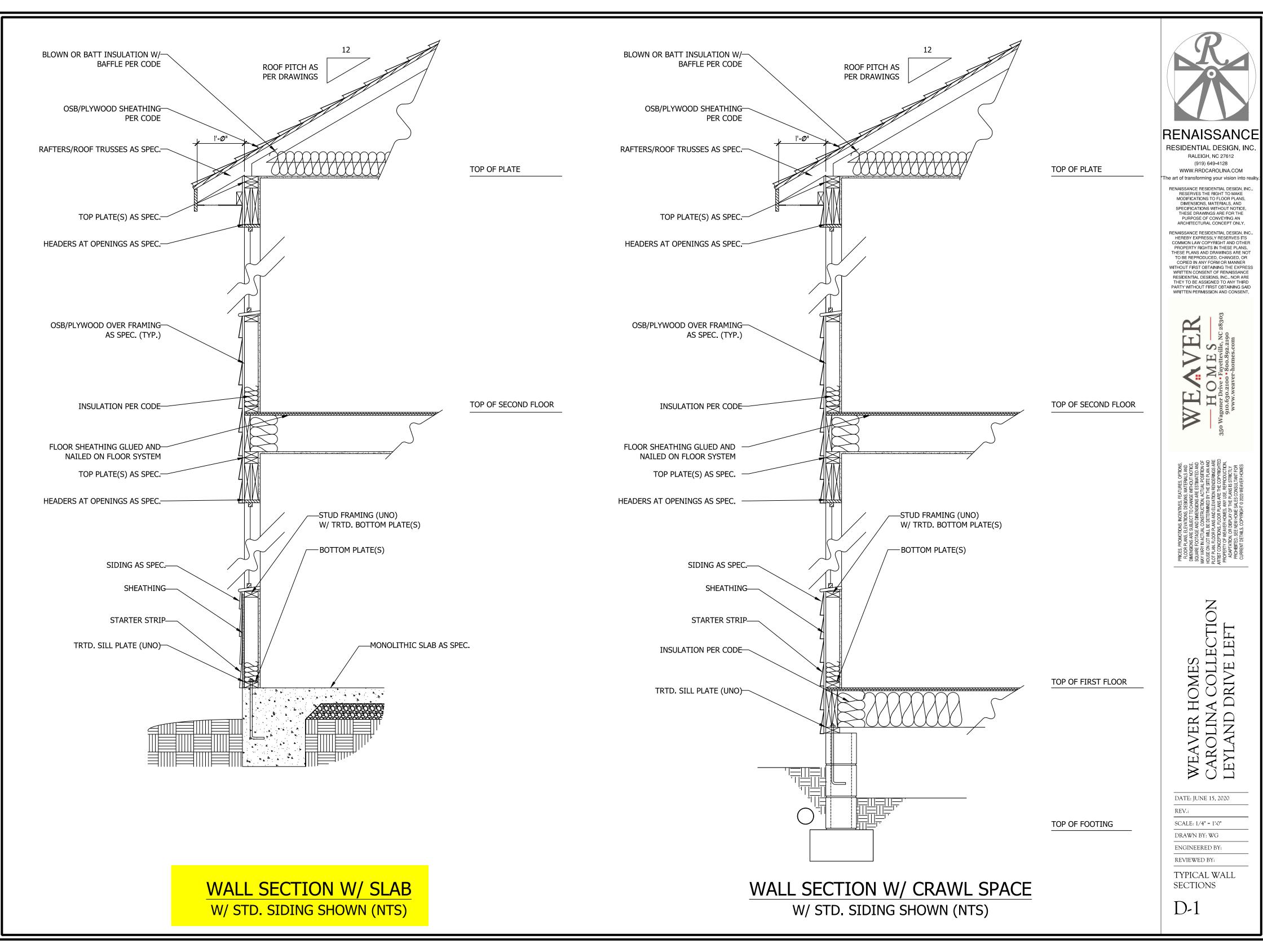
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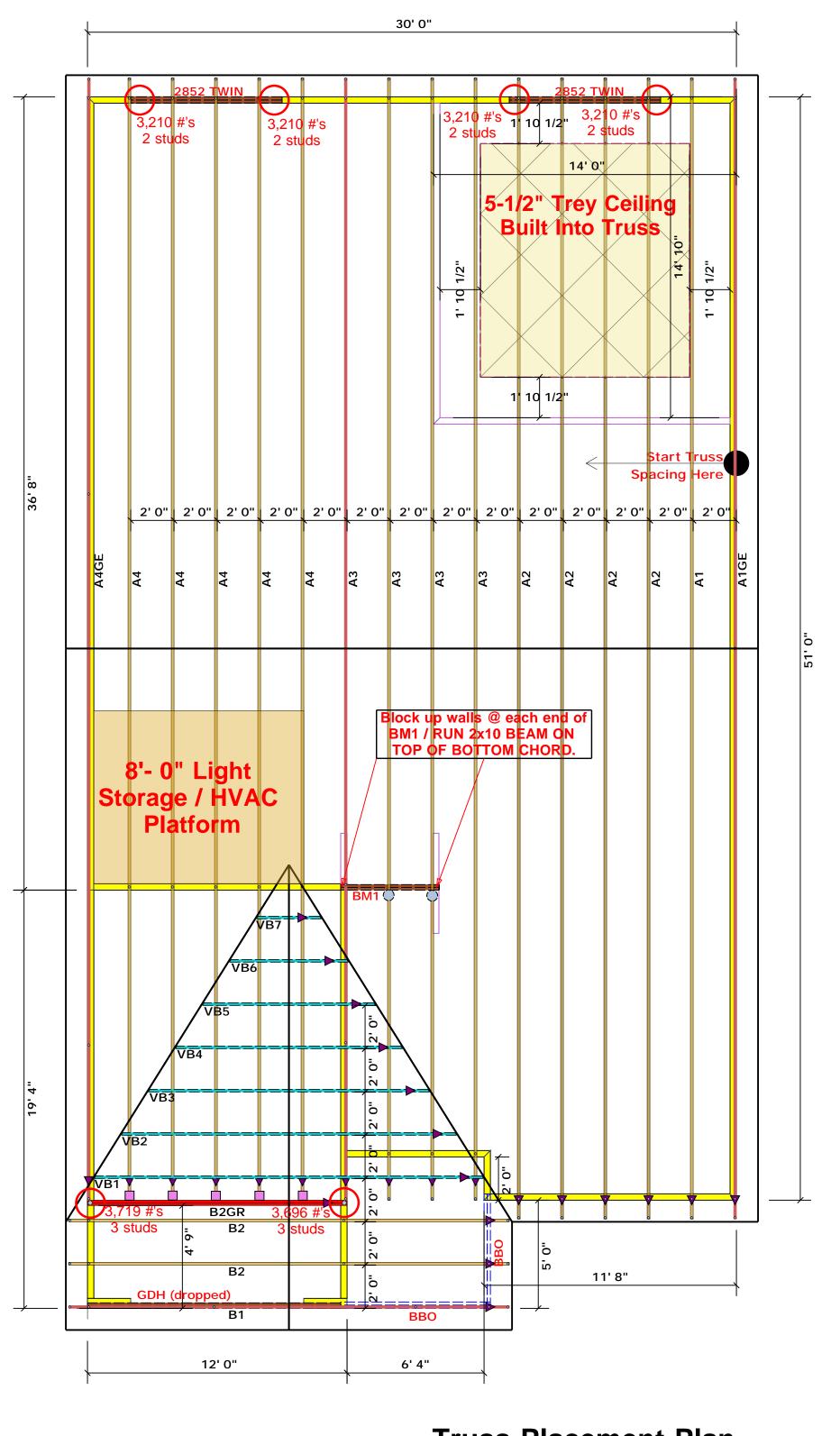
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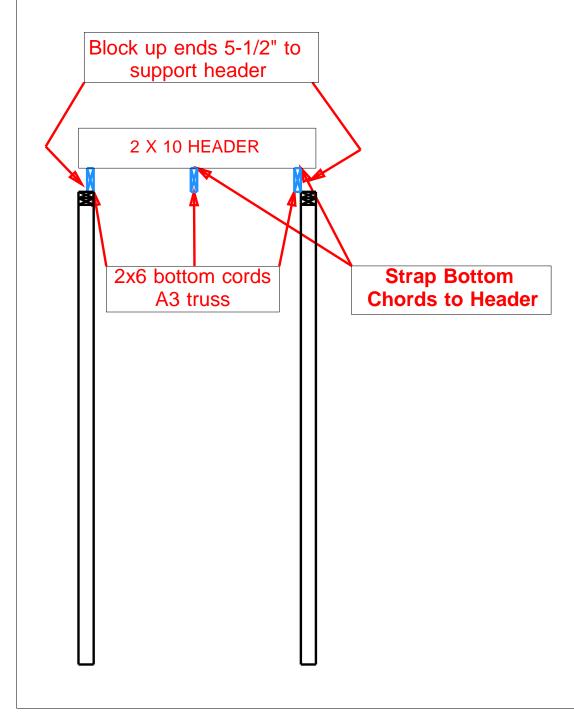
ROOF PLAN ELEVATION-A

S-3



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HUS28 USP 5 16d/3-1/2 16d/3-1/2" MSH422 10d/3"

3400

6800 2

10200 3

13600 4

17000 5

5100 2

7650 3

10200 4

12750 5

15300 6

1700 1 3400 2

5100 3

15300 9

Estimation Selection Formula Calculation Name Roof Area 1st Floor 1981.44 Roof Area Roof Decking 1st Floor Roof Decking 68 sheets

SEAL DATE

QUOTE #

JOB #

BEAM LEGEND						
PlotID	Length	Product	Plies	Net Qty		
2852 TWIN	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	4		
GDH (dropped)	12' 0"	2x12 SPF No.2	2	2		

Truss Placement Plan SCALE: 1/4" = 1'-0"

Harnett Co. / Harnett

Lot 3 West Park

Lenny Norris

Lenny Norris

ROOF

/ /

CITY / CO.

ADDRESS

DATE REV.

DRAWN BY

SALES REP.

MODEL

▲ = Denotes Left End of Truss (Reference Engineered Truss Drawing)

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

-- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

2852 TWIN 7' GDH (dropped) 12	0" 1-3/4"x ' 0" 2x12 SF	4 9-1/4" LVL Kerto-S PF No.2	2 2	2	
LOAD CHART FOR JACK STUDS (MANE) ON 1402E-18025() (4-0) NAME OF JACK STUDS (C) (MICH & (4-0) OF	BUILDER	Weaver Development Co. Inc.			
HEADEN/STROER	JOB NAME	Lot 3 West Park			
(15 TO) (15 TO) (15 TO) (16 TO) (17 TO) (18 TO)	PLAN	Levland Elev. " A "			

Seal Date

Quote #

J0720-3492

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.

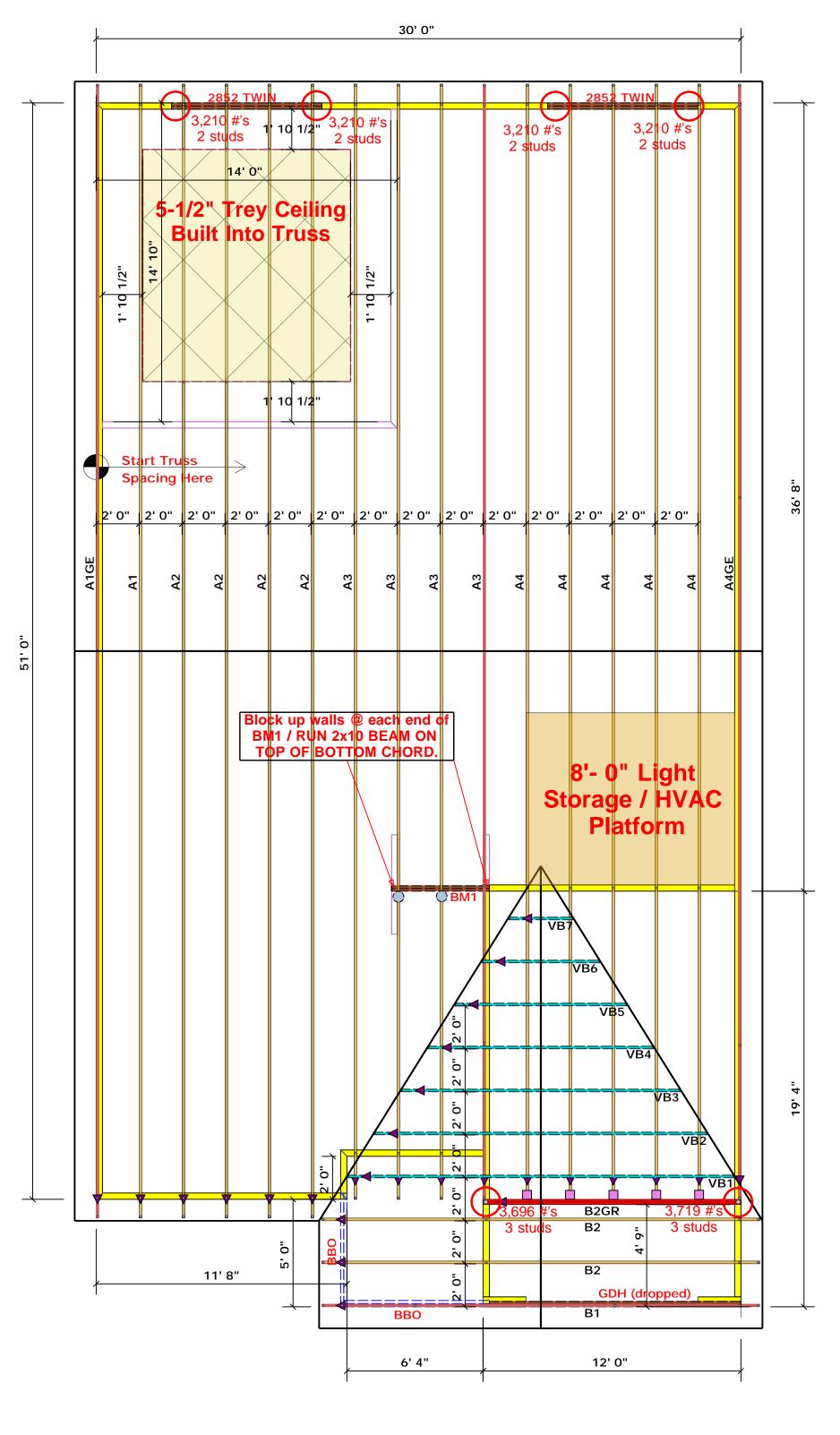
Lenny Norris

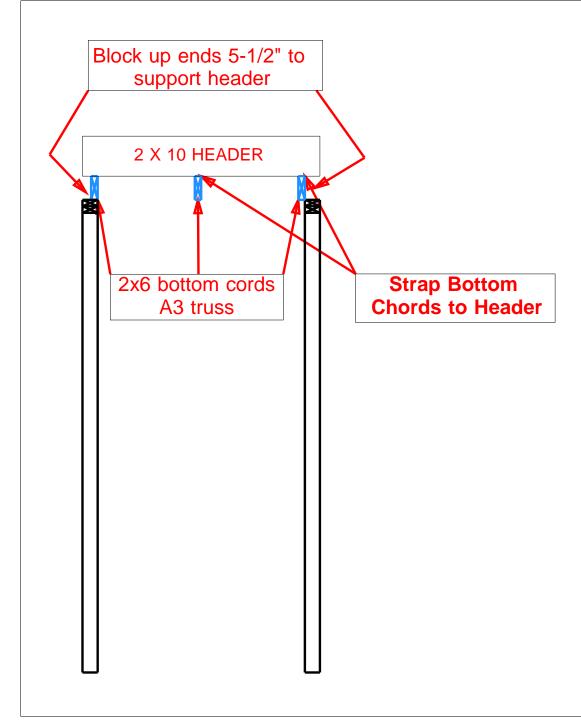
Lenny Norris

TRUSSES & BEAMS Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444

соттесн

ROOF & FLOOR





HUS28 USP 5 16d/3-1/2 16d/3-1/2" MSH422 Varies 10d/3"

JOB#

15300 g

Estimation Selection Formula Calculation Name 1st Floor Roof Area 1981.44 Roof Area Roof Decking **Roof Decking** 1st Floor 68 sheets

BEAM LEGEND						
PlotID	Length	Product	Plies	Net Qty		
2852 TWIN	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	4		
GDH (dropped)	12' 0"	2x12 SPF No.2	2	2		
-		-				

J0720-3492

Truss Placement Plan SCALE: 1/4" = 1'-0"

SALES REP. Lenny Norris

▲ = Denotes Left End of Truss (Reference Engineered Truss Drawing)

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

-- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

Lenny Norris

Lenny Norris

		_		_		
LOAD CHART FOR JACK STUDS (045Fb ON 140E5 8505(1) 4-00 MANNE TORS STORE SCOTTE (N. CACUS OF		BUILDER	Weaver Development Co. Inc.	CITY / CO.	Harnett Co. / Harnett	THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components the building design at the specification of the building designer, sheets for each truss design identified on the placement drawing.
	NOT 31 10 10 10 10 10 10 10 10 10 10 10 10 10		Lot 3 West Park	ADDRESS	Lot 3 West Park	is responsible for temporary and permanent bracing of the roof the overall structure. The design of the truss support structure is walls, and columns is the responsibility of the building designer regarding bracing, consult BCSI-B1 and BCSI-B3 provided with t
	SEC DEL CHRYS CHRY CHRY CHRY CHRY CHRY CHRY CHRY CHRY	PLAN	Leyland Elev. " A "	MODEL	ROOF	or online @ sbcindustry.com Bearing reactions less than or equal to 3000# are deemed prescriptive Code requirements. The contractor shall refer
	1700 1 2560 1 3400 1 3400 2 5100 2 6600 2 5100 3 7650 3 10200 3		Seal Date	DATE REV.	/ /	(derived from the prescriptive Code requirements) to det foundation size and number of wood studs required to su than 3000# but not greater than 15000#. A registered desig be retained to design the support system for any reaction
	6800 4 10200 4 13600 4 8500 5 12750 5 17000 5 10200 6 15500 6	QUOTE #	Quote #	DRAWN BY	Lenny Norris	specified in the attached Tables. A registered design profe retained to design the support system for all reactions that Lenny Norr



Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444

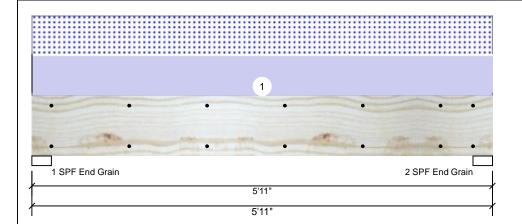


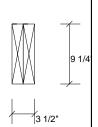
Client: Project: Address: Date: 1/29/2021 Input by: Lenny Norris Job Name: LEYLAND A

Project #:

Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED 2852 TWIN

Level: Level





Page 1 of 1

Member Information						
Type:	Girder					
Plies:	2					
Moisture Condition:	Dry					
Deflection LL:	480					
Deflection TL:	360					
Importance:	Normal					
Temperature:	Temp <= 100°F					

Application: Floor Design Method: ASD **Building Code: IBC/IRC 2015** Load Sharing: No Deck: Not Checked

Reactions UNPATTERNED Ib (Uplift) Brg Live Dead Wind Const Snow 0 1616 1595 0 0 1 0 0 2 1616 1595 0

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	4166 ft-lb	2'11 1/2"	14423 ft-lb	0.289 (29%)	D+S	L
Unbraced	4166 ft-lb	2'11 1/2"	11027 ft-lb	0.378 (38%)	D+S	L
Shear	2170 lb	4'11 1/2"	7943 lb	0.273 (27%)	D+S	L
LL Defl inch	0.032 (L/2069)	2'11 1/2"	0.139 (L/480)	0.230 (23%)	S	L
TL Defl inch	0.065 (L/1028)	2'11 1/2"	0.185 (L/360)	0.350 (35%)	D+S	L

Bearings

Bearing Le	ength	Cap. R	eact D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF 3. End Grain	000"	35%	1616 / 1595	3210	L	D+S
2 - SPF 3. End Grain	000"	35%	1616 / 1595	3210	L	D+S

Design Notes

- 1 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top braced at bearings.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.

ID Trib Width Side Dead 0.9 Load Type Location Live 1 Snow 1.15 Wind 1.6 Const. 1.25 Comments 1 Uniform Top 539 PLF 0 PLF 539 PLF 0 PLF 0 PLF TRUSSES A2,A4 Self Weight 7 PLF

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Indiang & Installation

 LVL beams must not be cut or drilled

 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 Damaged Beams must not be used

 Design assumes top edge is laterally restrained.

 Provide lateral support at bearing points to avoid lateral displacement and rotation
- 6. For flat roofs provide proper drainage to prevent ponding

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Manufacturer Info

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This design is valid until 2/26/2023