





Fire Marshal Division

November 1, 2018

True Homes, LLC 2649 Brekonridge Centre Dr. Monroe, NC

Re: 15 Crosslink Dr.

Angier, NC 27501

Application Number SFD1810-0037

To whom it may concern,

Thank you for submitting the plans for the model home. The plans have been carefully reviewed by a qualified code enforcement official to examine for full compliance with the North Carolina Fire Prevention Code and all other fire protection regulatory documents. There are some items that were found during the plan review process that need to be addressed before a final inspection of the new facility can be given. These items are outlined and described below.

• 505.1 Physical Address

- The physical address of the building shall be posted in a conspicuous place so that it can be seen on approach from the road, access road, and/or parking lot.
- The numbers used to make up the physical address shall be at least 6 inches in height.

• Fire Extinguishers

- o Fire Extinguishers shall be 2A:20BC and shall be placed with a travel distance to not exceed 75'
- Fire extinguishers are to be mounted no higher than 5' above the finished floor.

• 1006.1 Illumination Required

 The exit discharge shall be illuminated at all times the building spaces served by the means of egress is occupied, the front exit doors not indicate this requirement on the building plans.









 Illumination level in all areas of the means of egress shall not be less than 1 foot-candle at the walking surface and shall have emergency power supply.

• 1008.1.1 Size of Doors

 The minimum width of each door opening shall be sufficient for the occupant load thereof and shall provide a clear width of 32 inches, the doors in the dispatch office do not meet this requirement.

Notes

 A final fire inspection is required. Please contact this office direct to schedule fire inspection at 910-893-0743.

Thank you again for submitting the plans for the model home. Please review the plans and adhere to any notes and alterations that were made in addition to the original drawings. These remarks are for the plans that were submitted and its original intent. These remarks do not apply if the original intent changes or what was submitted on the above date changes. If you have any questions, please do not hesitate to call this office

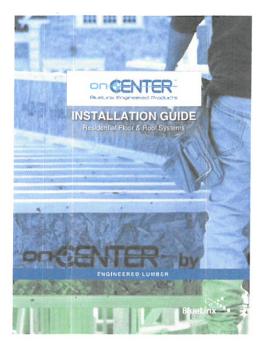
Again, thank you and we look forward to working with you during the construction period!

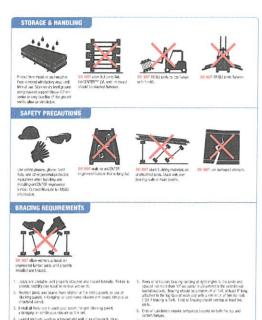
Sincerely,

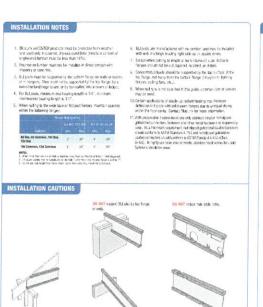
D. Banks Wallace

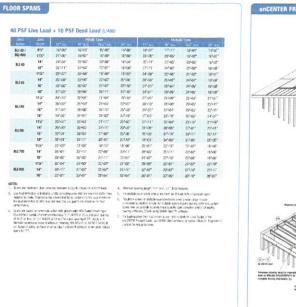
Chief Deputy Fire Marshal

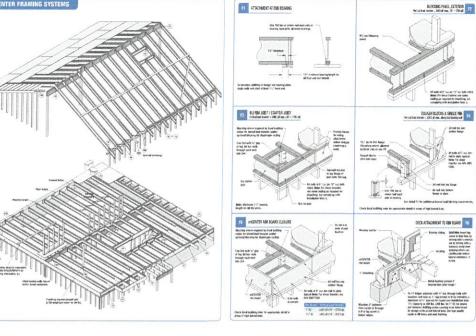
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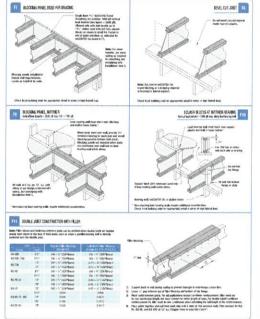


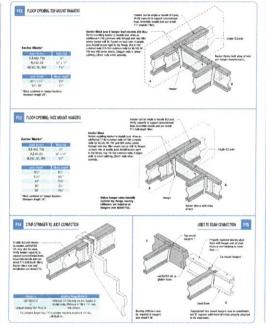


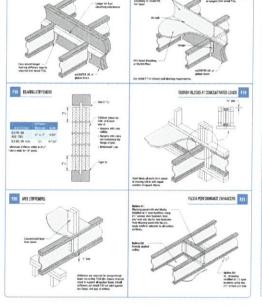




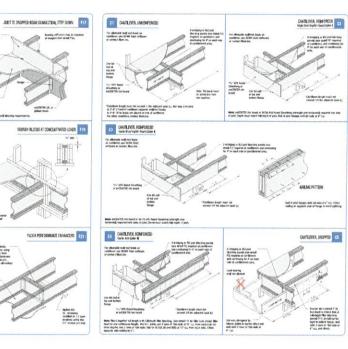


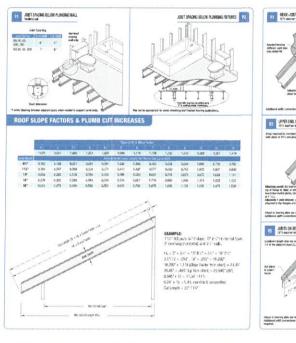


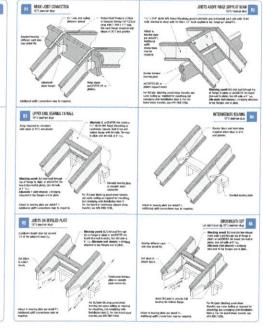


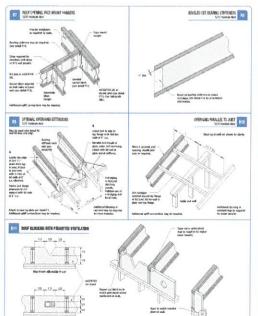


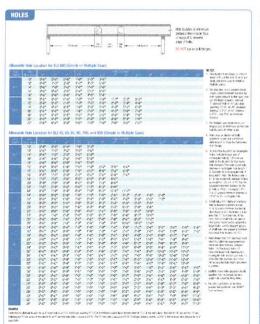
JOIST TO BEAM CONNECTION, STEP DOWN

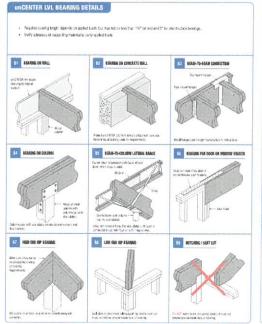


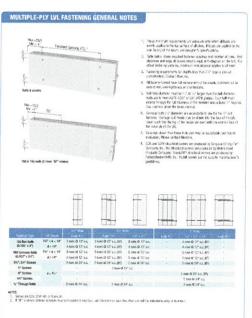














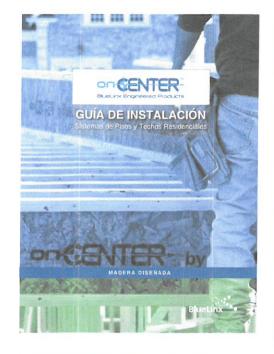


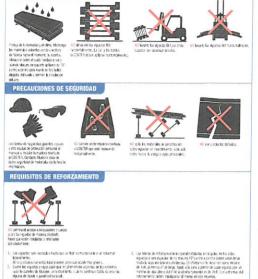




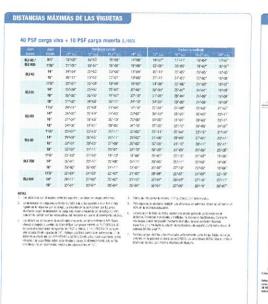
300 Wildwood Parkway Blanta, GA 30339 -877-914-7770 ww.buildonCENTER.com

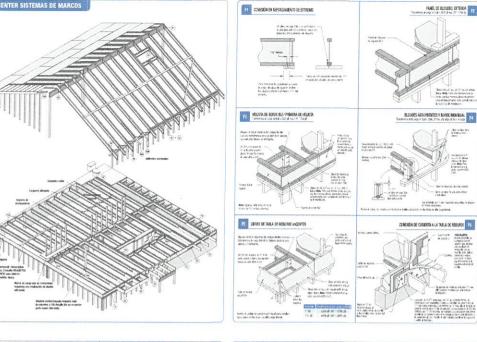
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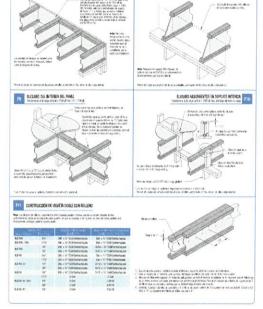


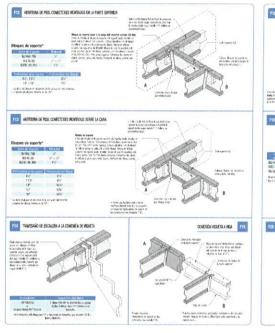


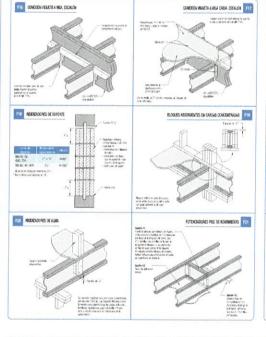


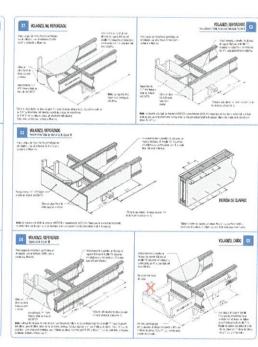


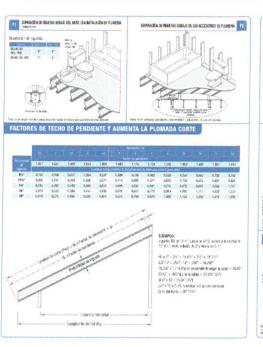


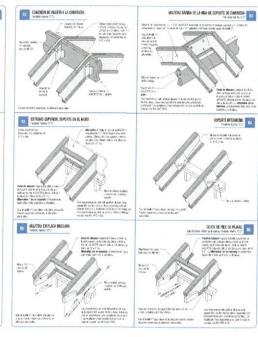


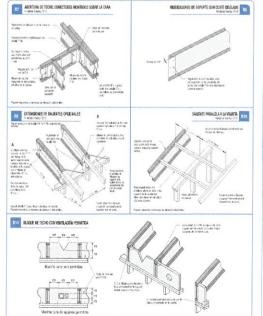


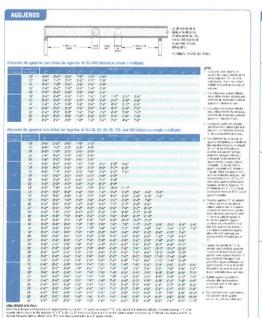


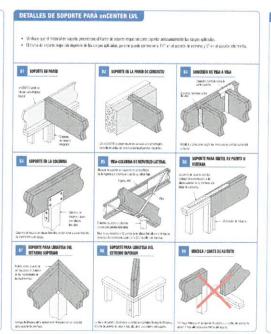


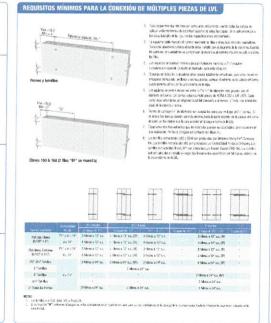












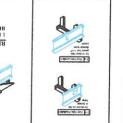


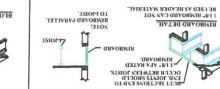


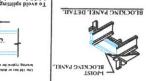


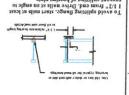
stretaix corporation 4300 Wildwood Parkway Atlanta, GA 30339 1-877-914-7770 www.buildonCENTER.com

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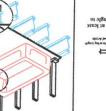








VITACHMENT AT END BEARING



7 - 11 1/8.. TAF @ 15.

F E1 @ 14. (BBI-40)

30. (PRI-40)

30. (PRI-40) 30. (PRI-40)

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e1 © 18. (LKI-60)

18' (PRI-60)

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E1 @ 14. (BBI-40)

(09-184) '81 E

30. (PRI-40)

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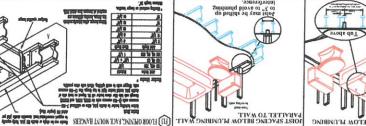
30. (PRI-40)

30. (PRI-40)

18. (PRI-6

DJ @ 18' (PRI-60) @ stair opening (11) (11)

8' (PRI-40)



18' (PRI-60) 18' (PRI-60)

14. (PR140)

14. (PR140)

14. (PRI-40)

20' (PRI-40)

201 (PRI-60)

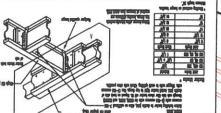
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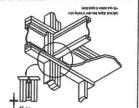
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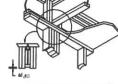












(FIR) SQUASH BLOCKS AT CONCENTRATED LOADS

Center, Inc Building

The

SHEET: I OF I

Cross Link Lot 72 L'rue Homes

> The Jasper Plan #: 18-1154

2nd Floor Placement Plan

The Building Center Engineered Wood Division

Checked By:

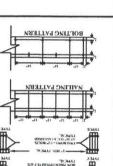
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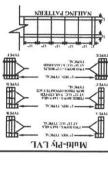
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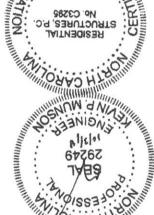








Seal For Structural Only Charlone, N.C. 28205 3410 N. Davidson St. RESIDENTIAL STRUCTURES, P.C.



dAS 7#81 x 8 x 7 (1) 2 x 8 for DBL joist

(1) 5/8" 4x8 square edge OSB Sheathing for DBL

> HANGERS 7 ® 17. 11 1/8.. FAF

3 @ 74. 7 ® 70.

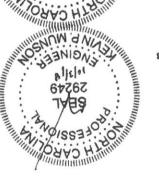
II 7/8" RIM

I @ 30, (BP) 12 ® 30. 8 114.

11 7/8" PRI-40 3 @ 50. 12 @ 18' 11 7/8" PRI-60

ZECOND ELOOR CLK-72

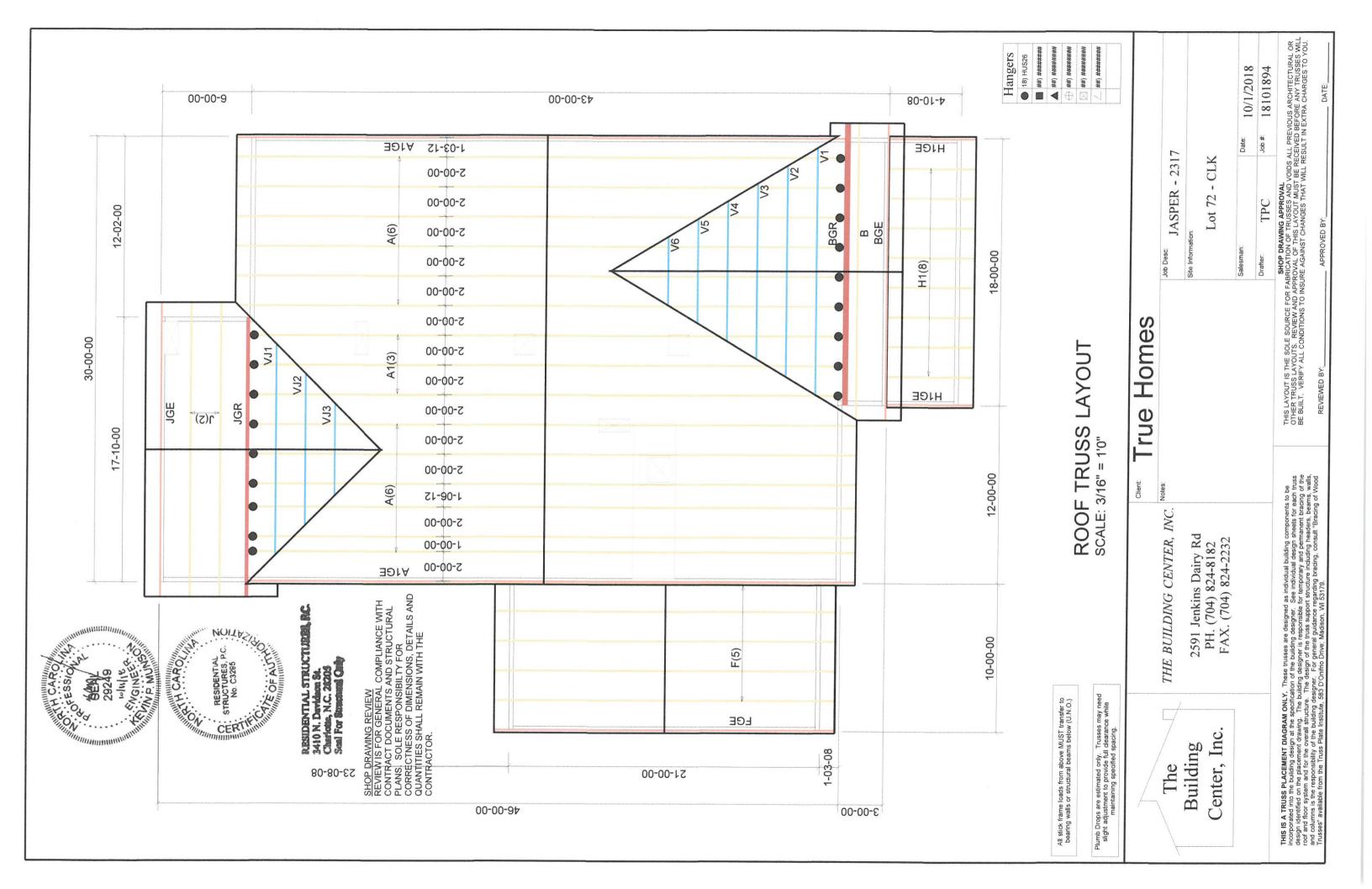








General Notes:



True Homes The 'JASPER'

IT'S ALL ABOUT U

CROSS LINK LOT # 72 INTEGRITY COLLECTION

2649 Brekonridge Centre Dr. Sulte 104 Monroe, N.C. 28110 704-271-1191 TrueHom IT'S ALL ABOUT

ELE	CTRICAL LEGEND		GENERA	AL NOTES		ELEVATION KEY NOTE:	S TABLE OF CONTENTS
ф	EXT. CARRIAGE LIGHT	PLANS PERMITTED IN NORTH CAROLINA ARE DESIGNED TO MEET THE 2012	RATED. 6. ALL EXTERIOR WALLS & INTERIOR WALLS	BEAM BEARING LOCATIONS. 13. WALLS TO BE FRAMED WITH STUDS AT	PROTECTION ASSOCIATION AND MEETING THE REQUIREMENTS OF ALL	(15) FLASHING	CS COVER SHEET
4	OUTLET 220V	NORTH CAROLINA RESIDENTIAL BUILDIN CODE, LATEST EDITION W/SEPT 2013		I 6" O.C. AT KITCHEN WALLS WITH CABINETS AND AT TUB/SHOWER	GOVERNING CODES AND PER MANUFACTURER SPECS.	(117) VINYL SHUTTER (120) BRICKMOLD TRIM	A2.1 FIRST FLOOR PLAN
Ф	OUTLET I IOV	AMENDMENTS, AS ISSUED BY THE STA OF NORTH CAROLINA, AND PLANS	TE NON-LOAD BEARING WALLS 24" O.C. (U.N.O.)	LOCATIONS (PER MANUF.). 14. ALL COMMON CEILING BETWEEN GARAGE	18. STAIR TREAD DESIGN TO BE VERIFIED	(2) IX4 TRIM BOARD	A2.2 SECOND FLOOR PLAN
Ш	OUTLET 1 I OV WATER PROOF	PERMITTED IN SOUTH CAROLINA DESIGNED TO MEET 2015	7. ALL STRUCTURAL FRAMING LUMBER EXPOSED DIRECTLY TO THE WEATHER OF	TO HOUSE PROVIDE 5/8" TYPE X GWB	19. PROVIDE I 1/2" FLAT WALL FRAMING FO ALL HVAC CHASES UNLESS NOTED	OR (123) IX6 TRIM BOARD (125) IX8 TRIM BOARD	A3.1 FRONT & REAR ELEVATIONS
O WP		INTERNATIONAL RESIDENTIAL BUILDING CODE AS ISSUED BY THE STATE OF	BEARING DIRECTLY ON MASONRY OR CONCRETE SHALL BE TREATED. ALL	REQUIREMENTS PER IRC. ALL JOINTS TO BE TAPED & MUDDED FOR FIRE			A3.2 LEFT & RIGHT ELEVATIONS
O GFI	OUTLET IOV GFI	SOUTH CAROLINA, WITH MODIFICATION AS REQUIRED TO MEET LOCAL BUILDING		SEPARATION. ALL STRUCTURES	CODES. 20. FOR TRADITIONS, ELEMENTS, INTEGRIT	(131) 1-1/2" THICK STONE CAP Y, (135) ROWLOCK SILL	A4. I STAIR SECTIONS
Ø	SWITCHED RECEPTACLE	CODES FOR EACH APPLICABLE JURISDICTION.	ALL WOOD EXPOSED DIRECTLY TO THE WEATHER SHALL BE PROTECTED TO	ASSEMBLIES USED FOR SEPARATION REQUIRE NOT LESS THAN \$ GYP OR EQ.	AND TRIBUTE SERIES, DOORS SHOULD		EI.I FIRST FLOOR ELECTRICAL PLAN
	PHONE	DO NOT SCALE DIMENSIONS FROM PRINTS. USE DIMENSIONS GIVEN OR	PREVENT THE OCCURRENCE OF ROT. 8. ALL ANGLED WALLS ARE AT 45 DEGREES	PER SECTION R302.6	OR CENTERED IN THE WALL UNLESS	(139) SOLDIER COURSE	E1.2 SECOND FLOOR ELECTRICAL PLAN
5 0 C	SMOKE / CO DETECTOR	CONSULT PRODUCTION CAD DEPARTMENT FOR FURTHER	UNLESS NOTED OTHERWISE. 9. USE WINDOW NOMINAL SIZES FOR	5/8" TYPE X GWB SCUTTLE MINIMUM AND 2X SCUTTLE FRAMING MATERIAL.	SHOULD BE LOCATED 6" OFF ADJACEN WALLS OR CENTERED IN THE WALL	- CARAMI	SI FOUNDATION PLAN
5	SMOKE DETECTOR	CLARIFICATION. 3. ALL DIMENSIONS ARE FROM WALL	ROUGH OPENINGS (APPLIES TO TWIN AND TRIPLE WINDOWS). SEE ELEVATION:	I G HEEL HEIGHTS: SEE FLEVATIONS	UNLESS NOTED OTHERWISE. 21. ALL HOMES TREATED WITH BORA-CARE	OF ESSION AND THE	S2.1 FIRST FLOOR FRAMING
4	SWITCH	FRAMING, NO FINISHED DIMENSIONS ARE GIVEN.	FOR WINDOW HEADER HEIGHTS. 10. DIMENSIONS ARE FROM FACE OF	DIMENSIONS TO GATHER PROPER HEEL	TERMITE TREATMENT. 22. SMURF DOORS ARE 2 1/2" x 39"	19 ASBAL	53.1 ROOF FRAMING PLAN
Ψ 13		4. PROVIDE 2 STUDS BETWEEN ALL WINDOWS.	STUDS. 11. PROVIDE BLOCKING ABOVE WINDOWS	HEIGHT REQUIREMENTS. 17. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOVE DETECTORS AND	NOMINAL (R.O. 22 1/2" x 40"). 23. SHEATH WALLS AND CEILINGS W/ OSB	29249	GN GENERAL STRUCTURAL NOTES
\$	3-WAY 5WITCH	5. ACCESS DOORS BETWEEN HOUSE AND GARAGE AREAS TO BE 20-MINUTE FIRE	AND DOORS IG" O.C.	CARBON MONOXIDE DETECTORS AS	PER SPECS, IN FURN, ROOM LOCATION	9/4/18	AN AREA NOTES
\$	4-WAY SWITCH			REGULED DI NATIONAL FIRE		TAN NOINEE AND	DI TYP. FOUNDATION DETAILS
\$	SPEAKER SWITCH	INTERIOR HINGED	EXTERIOR HINGED	KING / JACK	SQUARE FOOTAGE	NA MUNSHIT	D3 TYP FLASHING DETAIL
0	THERMOSTAT	DOOR SCHEDULE DOOR WIDTH DOOR HEIGHT R.O.	DOOR SCHEDULE DOOR WIDTH DOOR HEIGHT R.O.	SCHEDULE	FIRST FLOOR 1121 SQ.FT	CARO	D4 TYP. PORTAL FRAME DETAIL - PFH
T∨ ▽	CABLE TV	PLAN R.O. 8FT 9FT 10FT 1.D. WIDTH CEILING CEILING CEILING		(2) JACK STUDS	SECOND FLOOR 1361 SQ.FT	William Charles	D5 TYP FIREPLACE DETAILS
÷	CEILING LIGHT	1/4 1'-6" 0 0 0	3/0 3'-2 1/2"	A (1) JACK STUD & (1) KING STUD	TOTAL LIVABLE 2482 SQ.FT		D5.1 TYP STAIR DETAILS
Ž.	COMPACT FLUORESCENT	1/6 1'-8" 7-10" 4+ + + + + + + + + + + + + + + + + +	2/8 2'-10 1/2"	A (1) JACK STUD & (2) KING STUDS	FRONT PORCH 97 5Q.FT	RESIDENTIAL STRUCTURES, P.C. C. No. C3295	D5.2 TYP STAIR DETAILS
	LIGHT GU24 SOCKET		5/0 5'-3 5/8" 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	(1) JACK STUD \$ (3) KING STUDS (2) JACK STUDS \$ (1) KING STUD	2-CAR GARAGE 450 SQ.FT.	STRUCTURES, P.C. C	D5.3 TYP STAIR DETAILS
\odot	JUNCTION LIGHT	86 - 1/2" 86 - 1	6/0 6'-3 5/8" SLIDING PATIO DOORS	(2) JACK STUDS \$ (2) KING STUDS		The same of the sa	D8 TYP WALL FRAMING DETAILS D9 TYP CORNICE DETAILS
(5)	SPEAKER	7/2 2/-8, 2/1-0, 88 2/1-0, 88 2/1-0, 88 2/1-0, 84 2/1-0,	510 41 11 1101	(2) JACK STUDS \$ (3) KING STUDS		OF AUTHOR	DIO TRIM DETAILS
⊕	EXHAUST FAN	2/10 3'-0' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6/0 5'-11 1/2" 0 0 0	(2) JACK STUDS \$ (3) KING STUDS		William III	DIO INIVIDEIALES
047	EXHAUST FAN / LIGHT	3/0 3'-2"	LIEADED COLUED	(4) JACK STUDS \$ (4) KING STUDS		RESIDENTIAL STRUCTURES, SC	
40p	FLOOD LIGHT	5/0 5'-2" \$\dip \dip \dip \dip	HEADER SCHEDULE	(4) MAGK STOPS 4 (4) MING STOPS		3410 N. Davidson St.	
V-V		6/0 6'-2" 9 9	ALL INTERIOR BEARING AND EXTERIOR WALLS 1. SPANS UP TO 3'-6" (2) 2x8'5			Charlotte, N.C. 28205 Seel For Stouchard Cally	
	UNDER CABINET LIGHT	CLOAD BEARING NON-LOAD BEARING	2. SPANS 3'-6" TO 6'-6" (2) 2x10's 3. SPANS 6'-6" OR MORE SEE PLAN				
면	PUSH BUTTON	INTERIOR PASS	POST SCHEDULE			REVISION LOG	1
	ELECTRIC PANEL	THRU SCHEDULE FRAMED OPENING DIMENSIONS	2x4 STUDS 2x6 STUDS	TBD CROSS LINK DRIV	/ F	1. DATE: DRAWN BY:	
0	CAN LIGHT	WALL HEIGHT R.O. WIDTH R.O. HEIGHT	2 EX: (2) 2X4 2 EX: (2) 2X6	BLACK RIVER, 27501	V L		
0	MINI-CAN LIGHT	8'-1 1/8" PLAN I.D. +2" 82-1/2"				2. DATE: DRAWN BY:	
Ø	PENDANT LIGHT	9'-1 1/8" PLAN I.D. +2" 94-1/2"	NUMBER INSIDE CALLOUT INDICATES	COMMUNITY SPEC	S		
	PREWIRE	10'-1 1/8" PLAN I.D. +2" 98-1/2"	TOTAL NUMBER OF STUDS.	MONO SLAB FOUNDATION 2 CAR GARAGE STANDARD		3. DATE: DRAWN BY:	
Θ	I NEVVINE	ROUGH OPENING HEIGHTS ARE FOR DO, CO, \$ AO OPENINGS. SHIM HEIGHTS AS NEEDED	P GXG POST	5:12 MIN. ROOF PITCH			
100	CEILING FAN PRE-WIRE	TO MATCH INTERIOR HINGED DOOR CASING INTERIOR DOORWAY OPENINGS:				4. DATE: DRAWN BY:	
ELECTRIC	95.1000.0-0.0748400-6570.	DO = DRYWALL OPENING CO = CASED OPENING	LETTER 'P' INSIDE CALLOUT INDICATES	DACE ELEVATION			
THE FIELD	L TO BE PLACED PER CODE IN	AO = ARCHED OPENING	A SOLID 4x4 or 6x6 POST	BASE ELEVATION			

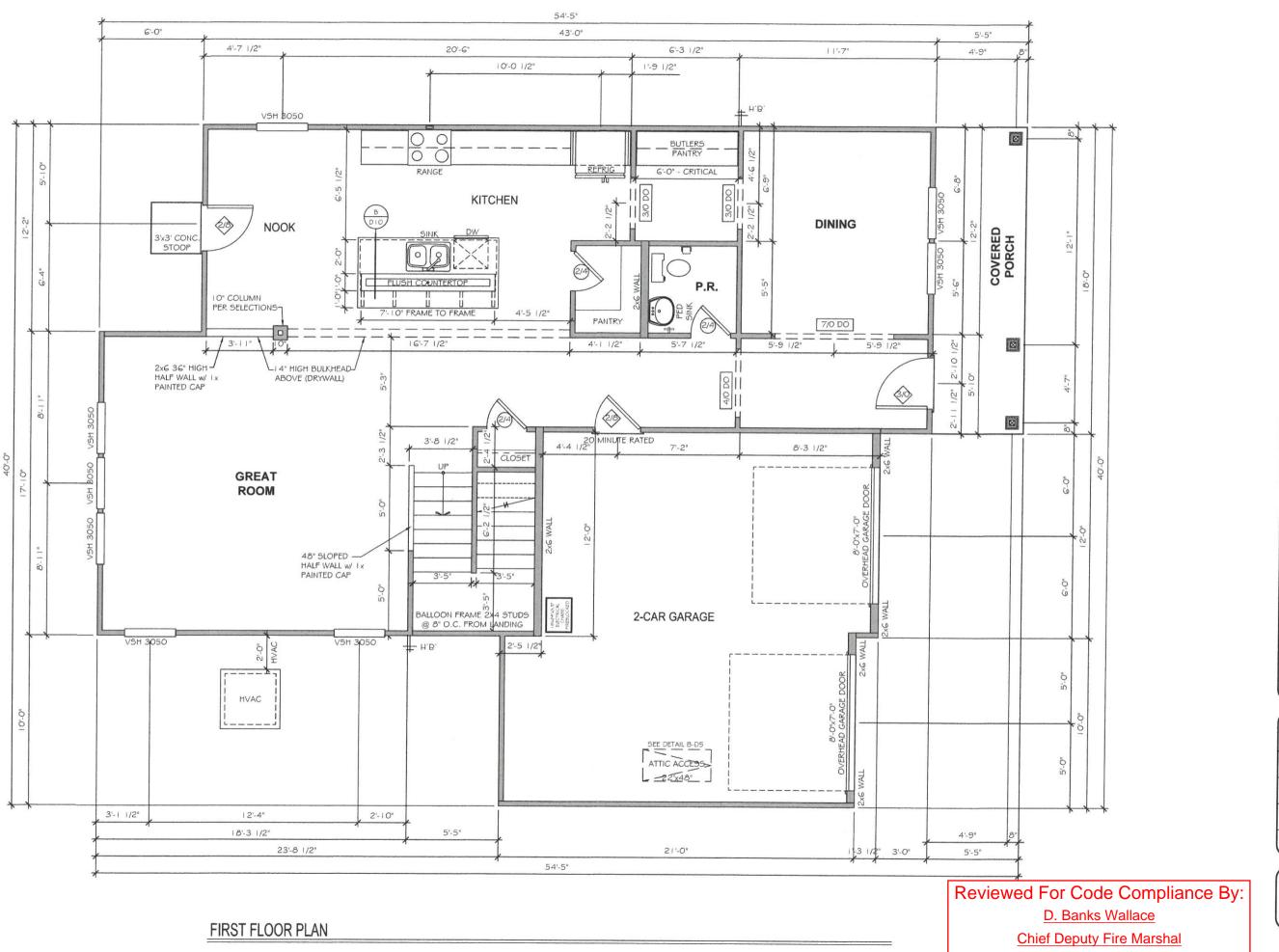
CROSS LINK LOT #

JASPER 2317

HARNETT

DRAWN BY: 9-20-16 NOT TO SCALE CHECKED BY:

CS



Truehomes

IT'S ALL ABOUT U

2649 Brekonridge Centre Dr.
Suite 104

Monroe, N.C. 28110
704-271-1191

CROSS LINK

.# 107

JASPER 2317

HARNETT

DRAWN BY:

WRR

DATE:

9-20-16

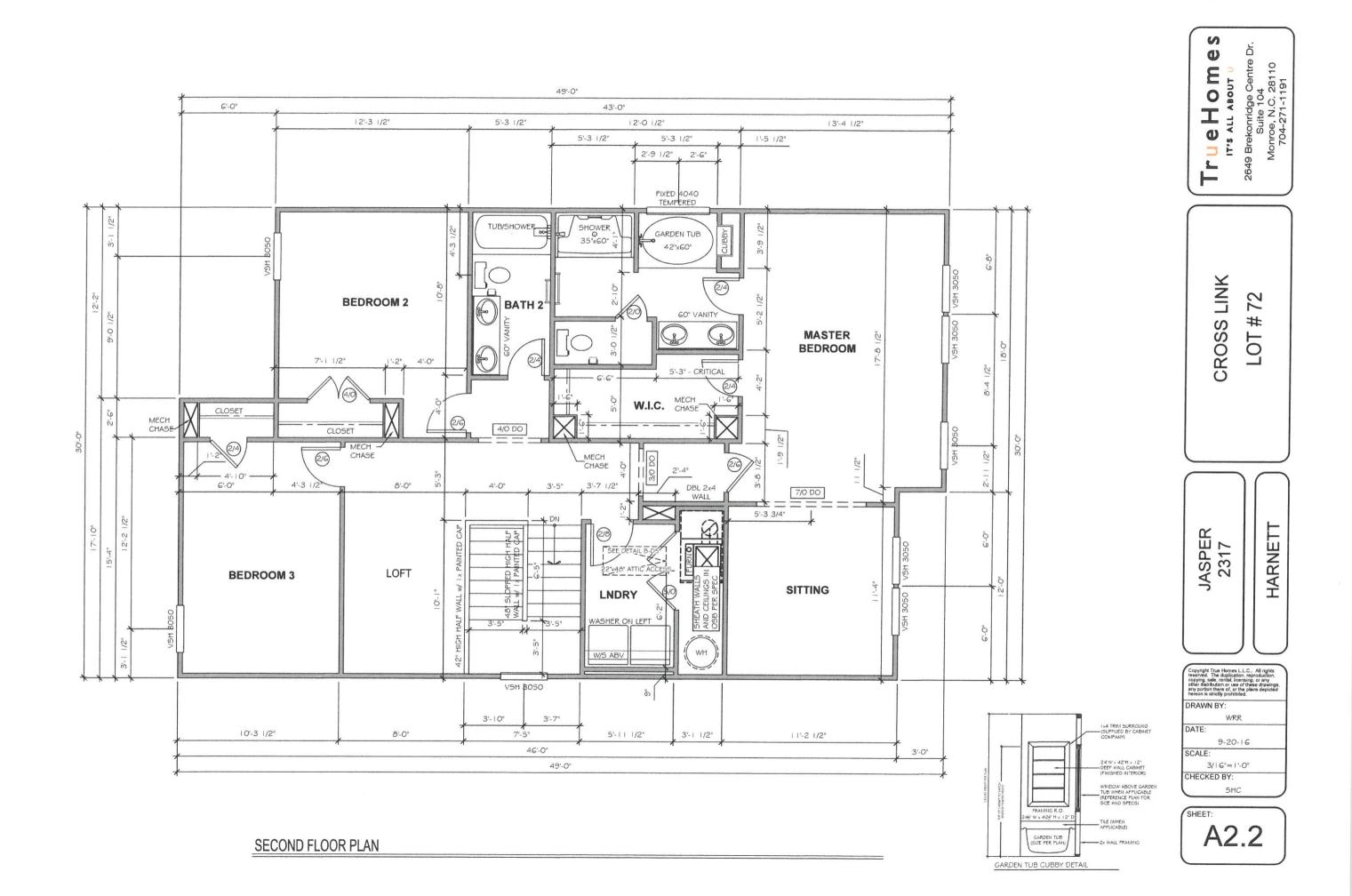
SCALE:

3/16"=1"-0"

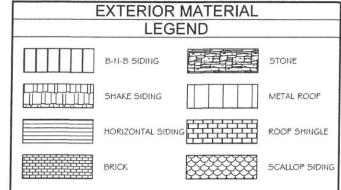
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A2.1

11/01/2018 1:40:01 PM







17 VINYL SHUTTER 20 BRICKMOLD TRIM 2) IX4 TRIM BOARD (123) IXG TRIM BOARD (125) IX8 TRIM BOARD

(128) IXIO FRIEZE BOARD 13) 1-1/2" THICK STONE CAP 135) ROWLOCK SILL 37) BRICK JACK ARCH

39 SOLDIER COURSE (4) PRECAST KEYSTONE

15 FLASHING

1x4 TRIM WHERE SHOWN AT WINDOWS AND DOORS UNLESS OTHERWISE NOTED

KEY NOTES

SEE ROOF FRAMING PLANS FOR OVERHANG DIMENSIONS AND DORMER LOCATIONS

CROSS LINK 72 # LOT

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eHome

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IT'S ALL ABOUT

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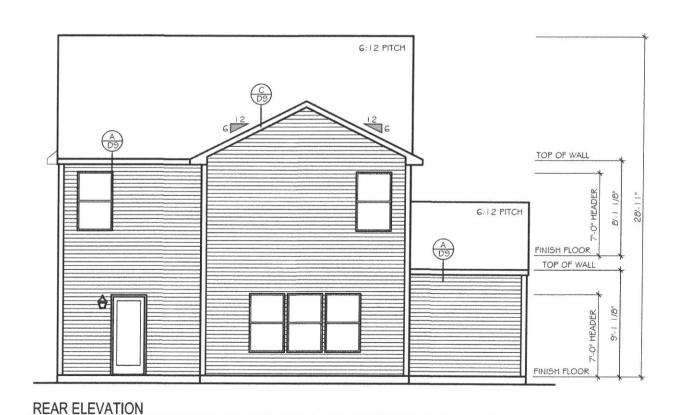
2649 Brekonridge Centre D Suite 104 Monroe, N.C. 28110 704-271-1191

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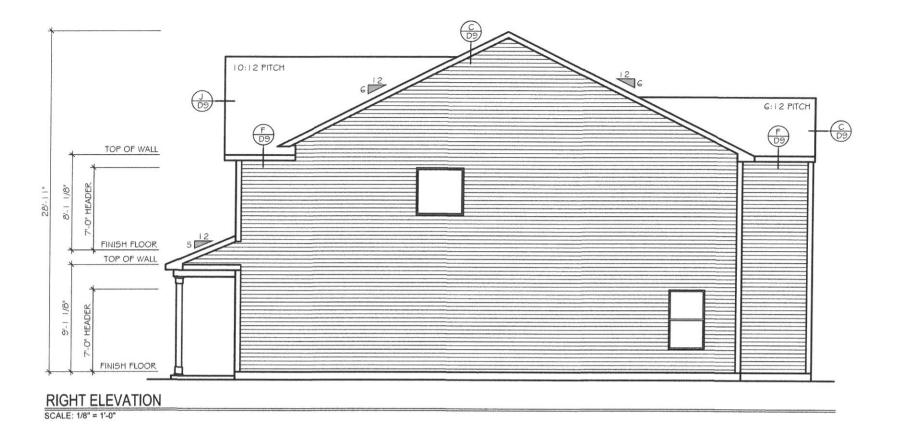
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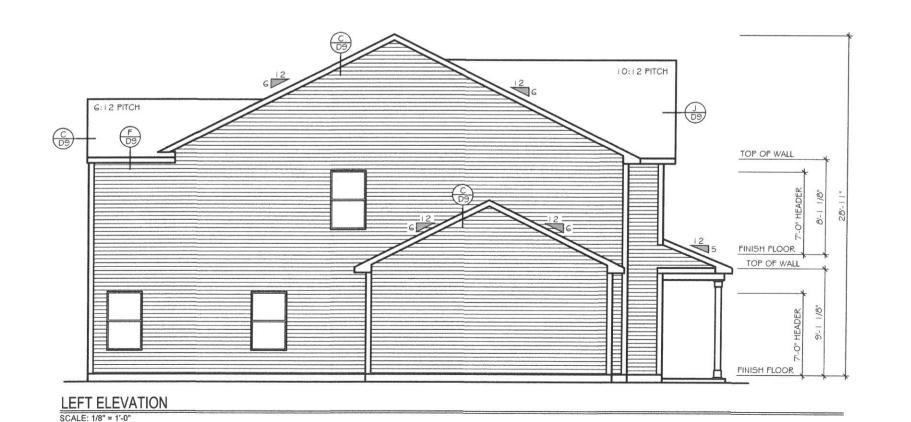
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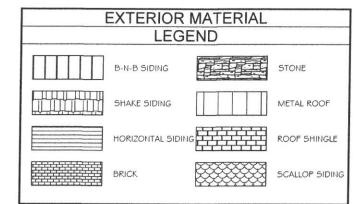
SHEET: A3.1



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







KEY NOTES (15) FLASHING
(17) VINYL SHUTTER
(20) BRICKMOLD TRIM
(21) IX4 TRIM BOARD
(123) IX6 TRIM BOARD
(123) IX6 TRIM BOARD
(124) IX10 FRIEZE BOARD
(131) I-1/2" THICK STONE CAP
(133) ROWLOCK SILL
(137) BRICK JACK ARCH
(138) SOLDIER COURSE
(141) PRECAST KEYSTONE 1x4 TRIM WHERE SHOWN AT WINDOWS AND DOORS

SEE ROOF FRAMING PLANS FOR OVERHANG DIMENSIONS AND DORMER LOCATIONS

UNLESS OTHERWISE NOTED

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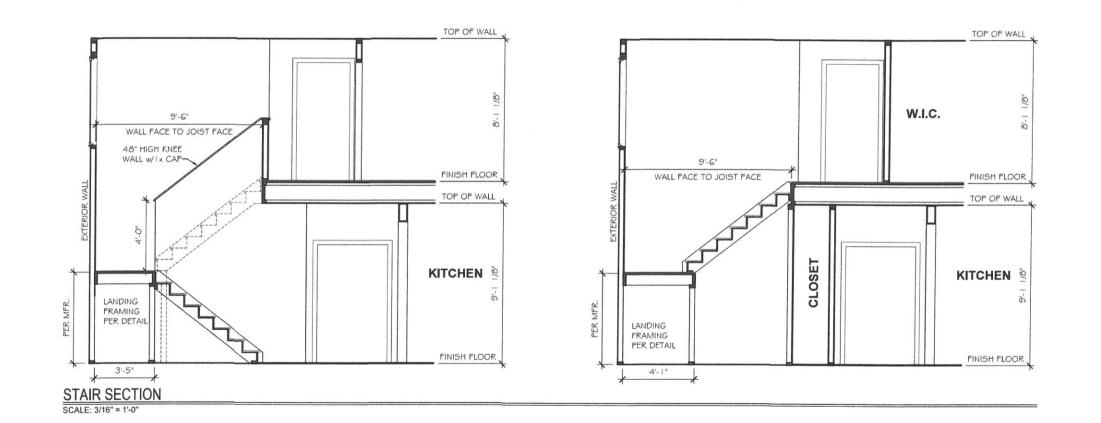
> **CROSS LINK** 72 LOT # 7

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CROSS LINK

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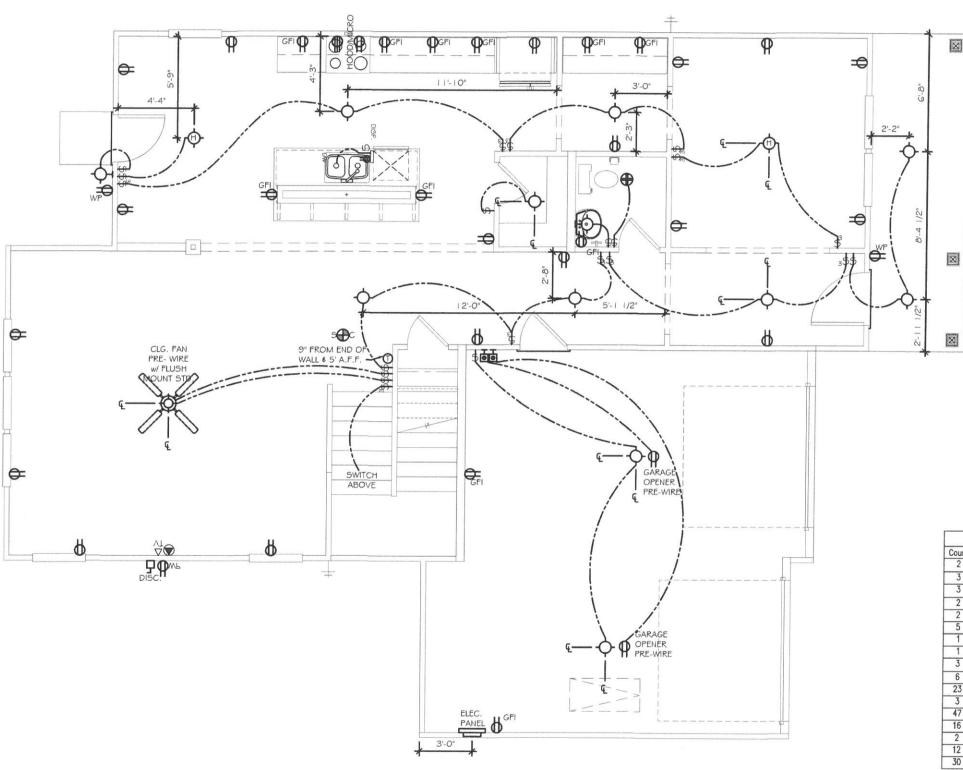
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CHECK SELECTIONS FOR CPI LAYOUT. ALL TV. PHONE, CABLE, AUDIO, AND SECURITY SYSTEM OUTLETS WILL BE LOCATED PER CPI LAYOUT, REGARDLESS OF WHETHER TV AND PHONE ARE SHOWN.

X



	El	LECTRICAL
Count	Name	Visibility1
2	Ceiling Fan 1.1	w/ Flush Mount Std.
3	Detectors	Smoke Detector
3	Detectors	Smoke/Carbon Monoxide Detecto
2	Jacks	Thermostat
2	Jacks	Phone Jack
5	Jacks	TV Jack
1	Lights	Can Light VP
1	Lights	Exhaust Fan
3	Lights	Exhaust Fan/Light
6	Lights	Carriage Light
23	Lights	Ceiling Light
3	Receptacle	₩P
47	Receptacle	110V
16	Receptacle	GFI
2	switch	Push Button
12	switch	3-Way Switch
30	switch	Single Pole Switch

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CROSS LINK

72

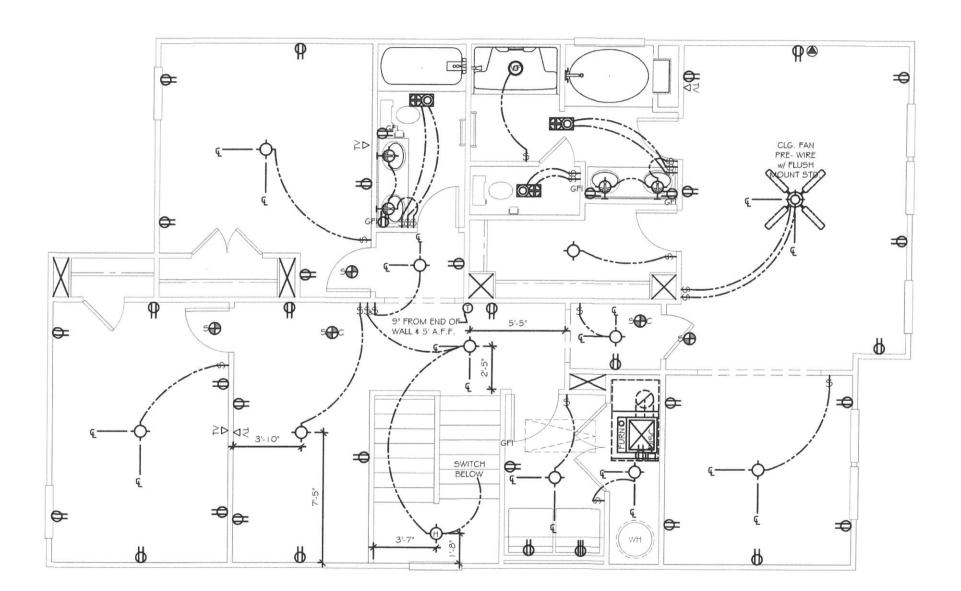
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SHEET: E1.1



SECOND FLOOR ELECTRICAL PLAN

CHECK SELECTIONS FOR CPI LAYOUT. ALL TV, PHONE, CABLE, AUDIO. AND SECURITY SYSTEM OUTLETS WILL BE LOCATED PER CPI LAYOUT, REGARDLESS OF WHETHER TV AND PHONE ARE SHOWN.

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CROSS LINK 72 LOT#7

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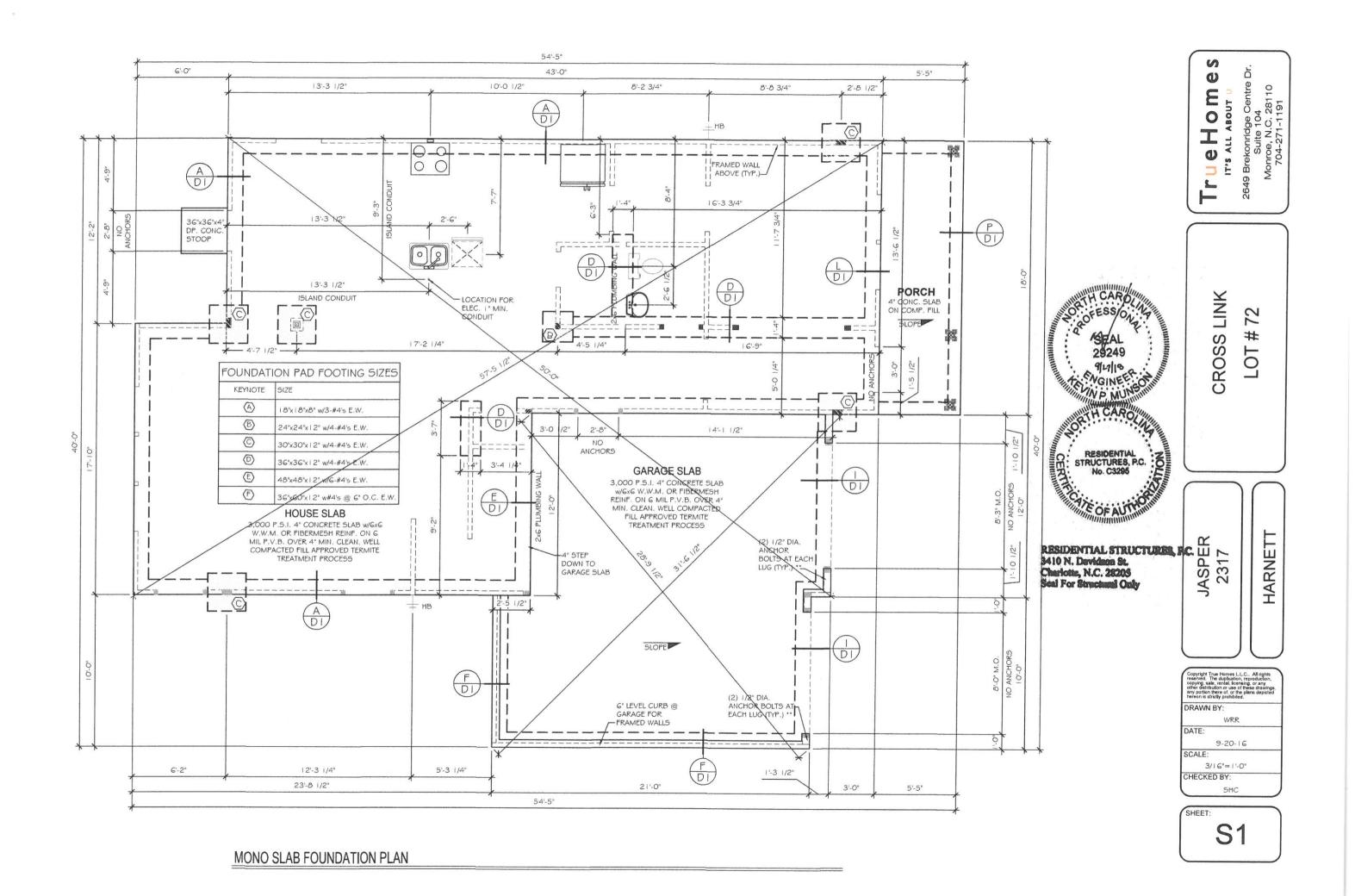
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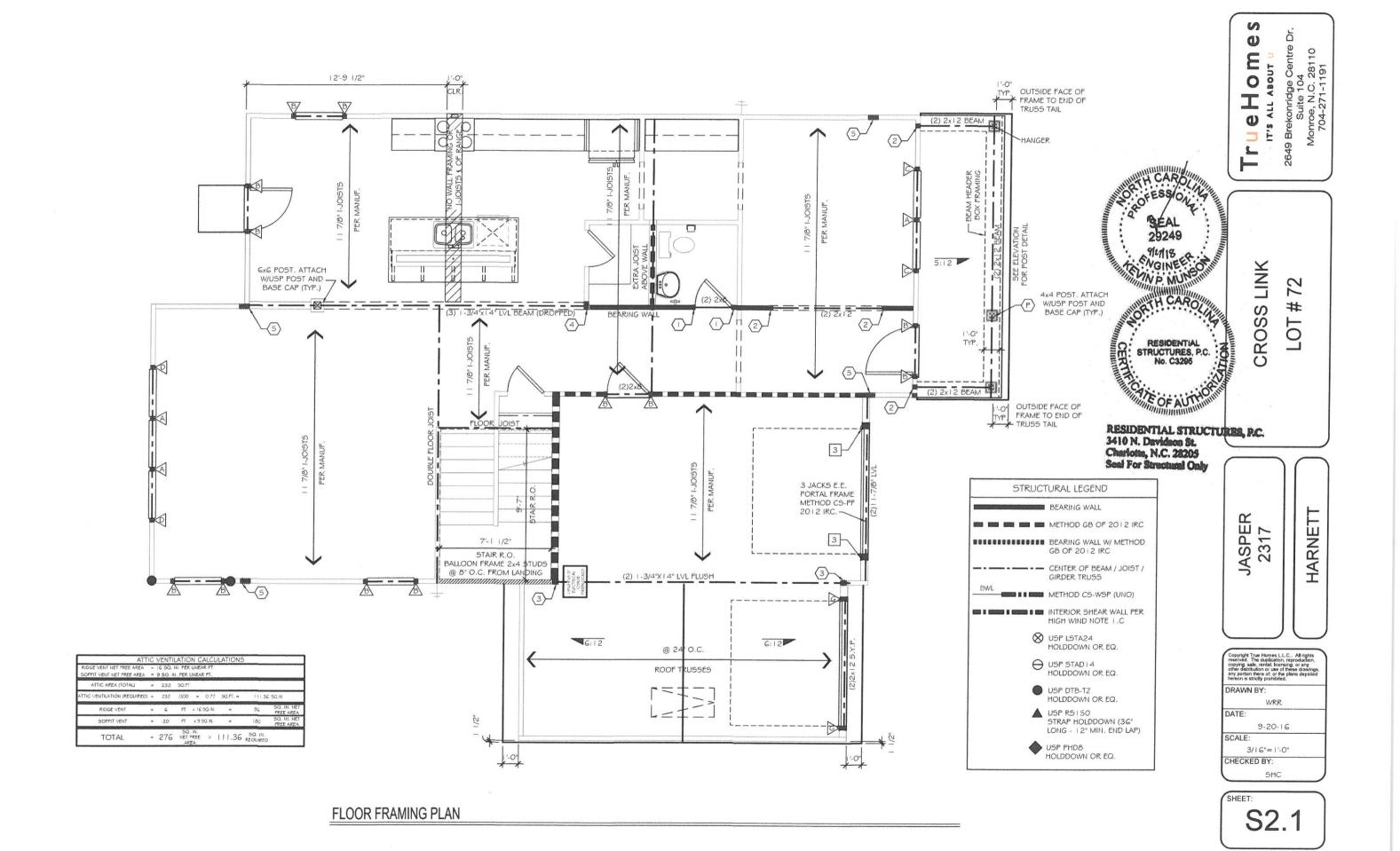
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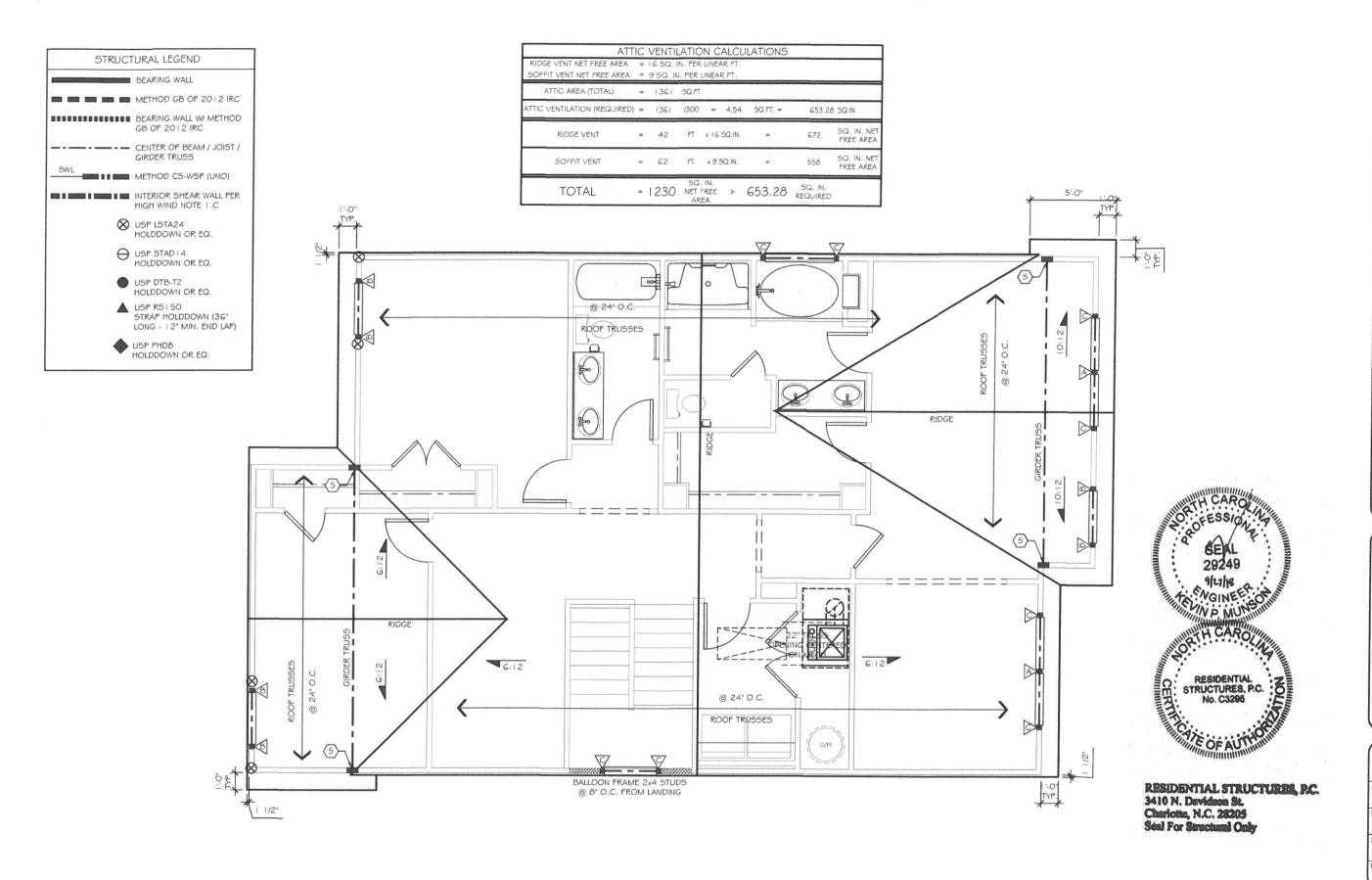
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SHEET: E1.2







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CROSS LINK 72 # LOT

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DATE:

9-20-16 SCALE:

3/16"=1'-0" CHECKED BY:

SHEET: S3.² RESIDENTIAL FOUNDATIONS:

1) ALL CONTINUOUS WALL FOOTINGS ARE 8" X 12" FOR ONE-STORY AND 8"X 16" FOR TWO-STORY HOUSES UNLESS OTHERWISE NOTED.

10 ALL CONTINUOUS WALL FOOTINGS ARE 8" X 12" FOR ONE-STORY AND 8"X 16" FOR TWO-STORY HOUSES UNLESS OTHERWISE NOTED.

- COMPACTION IN TO BE AS NOTED ON PLANS. POOTINGS ON ORIGINAL SOLL DO NOT INCED REDAY. REDAY IS REQUIRED ON ANY
 COMPACTION FILE BEGARDLESS OF COMPACTION.
 2) ALL INTERIOR PIERS ARE 8"X 16" CMU UP TO A MAXIMUM HEIGHT OF 32". ALL PIERS OVER 32" HIGH MUST BE FILLED WITH TYPE 5
 MORTAR. MAXIMUM HEIGHT FOR 8"X 16" FILLED PIER 15 G-8". PIERS LARGER THAN 8"X 16" ARE NOTED ON PLANS AND MUST BE FILLED
 WITH TYPE 5 MORTAR. FOR ONE-STORY STRUCTURES, FIER CAPS ARE TO BE 4" SOUD MASONRY. FOR TWO-STORY STRUCTURES, PIER CAPS ARE TO BE 8" OF SOUR MASONRY
- 3) FOOTINGS FOR 8" X 16" PIERS ARE 24" X 36" X 10" UNLESS NOTED OTHERWISE, REINFORCING IS TO BE AS NOTED ON PLANS
- 3) TOUTINGS FOR 8 X 16 FIRES ARE 24" X 36" X 10" INLESS MOID OTHERWISE. REINFORCING S TO BE AS NOTED ON FLANS.

 4) INTERIOR THICKENED SLAB FOOTINGS WHICH OCCUR IN BASEMENTS AND "SLAB ON GRADE" FLOORS ARE 10" DEEP BY 16" WIDE WITH 2.#4
 REINFORCING BARS RUNNING CONTINUOUSLY UNLESS NOTED OTHERWISE. THICKENED FOOTINGS ARE REQUIRED UNDER ALL BEARING WALLS.

 5) ALL REBAR SPLICES SHALL BE A MINIMUM OF 2-0" UNLESS OTHERWISE NOTED.

 6) SHALLOW FOUNDATIONS ARE DESIGNED FOR AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR IS RESPONSIBLE FOR
- 6) SHALLOW POUNDATIONS ARE DESIGNED FOR AN ASSUMED SOIL BEAKING CAPACITY OF 2,000 PSY. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE REPORT OF RECORD IF ANY SOILS ARE FOUND TO BE UNSUITABLE FOR THIS BEAKING CAPACITY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING SOIL TESTING TO ENSURE THAT THE BEAKING CAPACITY OF THE SOIL MEETS OR EXCEEDS THIS VALUE. ALL FILL IS TO BE COMPACTED TO 95% DENSITY AS MEASURED BY THE STANDARD PROCTOR TEST (ASTM D-698).

 7) ALL SOILS AND FILL UNDER FLOORS AND/OR WITHIN OR UNDER BUILDINGS SHALL HAVE RECONSTRUCTION SOIL TREATMENT FOR PROTECTION AGAINST TERMITES. CERTIFICATION OF COMPLIANCE SHALL BE ISSUED TO THE BUILDINGS DEPARTMENT BY A LICENSED PEST
- CONTROL COMPANY.
- 8) ALL FOOTING EXCAVATIONS SHALL BE NEAT STRAIGHT AND LEVEL IN THE PROPER ELEVATIONS TO RECEIVE THE CONCRETE EXCESSIVE VARIATIONS IN THE DIMENSIONS OF FOOTINGS OR SLABS WILL NOT BE PERMITTED. REINFORCING STEEL AND MESH SHALL BE ACCURATEL PLACED AND SUPPORTED TO MAINTAIN THEIR POSITION DURING THE CONCRETE POURING. EDGE FORMS SHALL BE USED FOR CONCRETE THAT WILL BE EXPOSED.
- 9) ALL SAB PENETRATIONS ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR. PENETRATIONS INTERFERING WITH REINFORCING SHALL BE
- APPROVED BY THE ENGINEER OF RECORD PRIOR TO THE PLACEMENT OF CONCRETE.

 10)ELEVATIONS DIFFERENCES BETWEEN THE BOTTOM OF ADJACENT FOOTINGS SHALL BE LESS THAN THEIR HORIZONTAL DISTANCE LESS ONE FOOT. DIFFERENTIAL HEIGHTS BETWEEN FOOTINGS CAN BECOME EXCESSIVE USUALLY WHERE A PIER FOOTING IN A CRAWLSPACE OR GARAGE FOOTING IS NEXT TO A BASEMENT WALL FOOTING.

- SPECIAL FOUNDATION CONSIDERATIONS:

 1) CAISSON FOUNDATION CONSIDERATIONS:

 1) CAISSON FOUNDATIONS SHALL BE A MINIMUM OF 12" DIAMETER DRILLED UNREINFORCED CONCRETE CAISSONS, CAISSONS SHALL EXTEND TO A MINIMUM DEPTH PROVIDING 2" PENETRATIONS INTO GOOD ORIGINAL GROUND. DEPTH OF DRILLING IS LIMITED TO 15". THEREFORE, NO POOR MATERIAL MORE THAN 13" DEEP IS SUITABLE FOR A CAISSON FOUNDATION. A CAISSON CANNOT BE USED IF WATER RISES IMMEDIATELY INTO A DRILLED HOLE. PILES WILL HAVE TO BE USED IN SUCH CASES.

 2) TREATED WOOD PILES WITH A MINIMUM DIAMETER OR 6" AND A MINIMUM DESIGN LOAD OF SIX TONS ARE USED FOR ALL FOUNDATIONS WITH UNSUITABLE SOIL DEEPER THAN 13" OR WITH WATER IN DRILLED CAISSON HOLES. DRIVE PER NORTH CAROLINA OR SOUTH CAROLINA
- 3) SIZES AND REINFORCING FOR FOOTING CAPS OVER CAISSONS OR PILES SHALL BE AS SHOWN ON PLANS

- 3) SIZES AND REINFORCING FOR FOOTING CAPS OVER CAUSOONS OR PILES SHALL BE AS SHOWN ON PLANS.
 4) CHIMMEY FOOTINGS ARE TO BE 12" LARGER THAN THE CHIMMEY FOOTPRINT BY 12" THICK.
 5) FOUNDATION WALLS BACKFILLED WITH DIRT WHICH SUPPORT STRUCTURAL FRAMING SHALL BE CONSTRUCTED AS FOLLOWS:
 A) FOR EARTH FILL UP TO A MAXIMUM HEIGHT OF 4". USE 8" CMU OR 8" BRICK WITH BITUTHEN MEMBRANE WATERPROPING ON EXTERIOR.
 FOOTINGS ARE TO BE 8" X 16" OR 8" X 24" AS NOTED ON THE PLAN.
 B) FOR EARTH FILL 4" TO A MAXIMUM HEIGHT OF 9". USE 8" X 24" FOOTING WITH \$4 AT 16" DOWELS HOOKED IN FOOTING AND PROJECTING 18" ABOVE FOOTINGS, USE 12" CMU WALLS WITH \$4 AT 16" VERTICAL BARS LOCATED 4" FROM NON-DIRT FILL FACE, LAP ALL SPUCES 12" AND USE DUR-O-WALL HORIZONTAL REINFORCING EVERY 8" IN CMU JOINTS. INSTALL 1-#3 L-BAR WITH 24" LEGS IN EVERY OTHER JOINT HORIZONTALLY AT ALL CORNERS: I.E., #3 CORNER BARS AT 16" O.C. VERTICALLY. FILL ALL OPEN CELLS OF CMU WITH EITHER TYPE 5 OR MONTH OF THE PROCESSION OF THE WALL SHOW THE PROCESSION BASEMENT WALLS MAY BE CONSTRUCTED IN ACCORDANCE WITH R404, I OF THE CODE.
 C) IN LIEU OF THE PRECEDING DESIGN, BASEMENT WALLS MAY BE CONSTRUCTED IN ACCORDANCE WITH R404, I OF THE CODE.
- 24" X 24", #3 CORNER BARS SHALL BE INSTALLED AT 16" O/C VERTICALLY REGARDLESS OF THE WALL HEIGHT. ERECT ALL FRAMING BEFORE
- 7) FOR RETAINING WALLS WITHOUT FRAMING SEE SPECIAL DESIGNS ON DRAWINGS.

- FRAMING CONSTRUCTION OTHER THAN ROOF:

 1) SEE TABLE RGO2.3(1) OF THE CODE FOR A FASTENER SCHEDULE FOR STRUCTURAL MEMBERS.
- 1) SEE TABLE RGO2.3(1) OF THE CODE FOR A FASTENER SCHEDULE FOR STRUCTURAL MEMBERS.
 2) WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE ALLOWABLE LOAD CAPACITY OF THE HANGER SHALL BE EQUAL TO OR GREATER THAN THE LOAD SPECIFIED ON THE PLAN. WHERE NO LOAD IS SPECIFIED, THE "LIGHTEST" AVAILABLE HANGER FOR THE APPLICATION IS ACCEPTABLE.
 3) CRAWL GIRDERS AND BAND WITH 4" CURTAIN WALL AND PIER CONSTRUCTION SHALL BE 2-2 X 10 SOUTHERN YELLOW PINE #2 UNLESS NOTED OTHERWISE. MAXIMUM CLEAR SPANS ARE TO BE 4'-8" (G'-0" O/C SPACING OF PIERS).
- TO AVOID OBJECTIONABLE CRACKING IN FINISHED HARDWOOD FLOORS OVER ANY GIRDERS. USE THE FOLLOWING PROCEDURE.
- A) NAILING.

 1) ALL FLOOR JOISTS MUST BE TOENAILED TO THEIR SUPPORT GIRDERS WITH A MINIMUM OF 3-8D NAILS AT EACH END. LARGER
 NAILS WILL SPLIT AND RENDER THE TOENAIL INFEFECTIVE. NO END NAILING THROUGH THE GIRDER OR BAND IS PERMITTED.

 11) IF DROPPED GIRDERS ARE USED, END LAP ALL JOISTS AND SIDE NAIL EACH WITH A MINIMUM OF 3-16D NAILS AT EACH END OF
- EACH JOIST. LEDGER STRIPS SHOULD BE SPACED 3" APART AND NAILED WITH 3-1 GD NAILS AT EACH JOIST END. III) NAIL MULTIPLE MEMBER BUILT-UP GIRDERS WITH TWO ROWS OF LGD NAILS STAGGERED AT 32" O/C. 2" DOWN FROM THE TOP AND 2" UP FROM THE BOTTOM WITH 3-16D NAILS AT EACH END OF EACH PIECE IN THE JOIST THROUGH THE MEMBERS MAKING UP TI
- MULTPLE GROER.

 (N) THIS NAILING PATTERN WILL ENSURE A TIGHT FLOOR FROM THE OUTSIDE OF THE HOUSE TO THE OUTSIDE SO THAT WHEN THE FRAMING SHRINKS DURING THE FIRST HEATING SEASON, THE SHRINKAGE WILL BE UNIFORMLY DISTRIBUTED OVER THE ENTIRE FLOOR. IF THE GIRDER NAILING PATTERN IS OMITTED, THEN THE SHRINKAGE WILL ACCUMULATE OVER THE GIRDERS AND AN OBJECTIONABLE CRACK WILL DEVELOP IN THE FINISHED HARDWOOD FLOOR OVER THE GIRDER UNE.

 B) AT ALL GIRDERS WHERE THE JOISTS CHANGE DIRECTION. INSTALL BRIDGING AT 6' O/C FOR A MINIMUM OF SIX JOIST SPACINGS BEYOND ANY JOIST DIRECTION CHANGE. THIS WILL INSURE SHRINKAGE DISTRIBUTION OVER THE FLOOR AND NOT LET IT ACCUMULATE AT THE
- (C) THERE MUST BE WOOD BLOCKING THRU BOLTED TO THE STEEL BEAM WITH JOISTS TOENAILED OR ATTACHED TO THE BEAM WITH METAL HANGERS UNDER ANY HARDWOOD FLOORS THAT PASS OVER A STEEL BEAM SUPPORTING FLOOR JOISTS. THIS CONDITION OFTEN EXISTS OVER BASEMENT AREAS
- OVEN DECEMBER AREAS.
 ALL OTHER LUMBER MAY BE SPRUCE #2 UNLESS NOTED OTHERWISE.
 "LAM" BEAMS MUST HAVE 3-2X4 STUD JACKS UNDER EACH END SUPPORT UNLESS NOTED OTHERWISE.
- A) FOR SPANS UP TO 6': USE 3 1/2" X 3 1/2" X 1/4" STEEL ANGLES.
- B) FOR SPANS FROM 6 TO 10: USE 5" X 3 0" X 5/16" STEEL ANGLES.

 C) FOR SPANS FROM 9" TO 18". USE 8 PAIR OF 9-GAUGE WIRES IN EACH OF THE FIRST 3 COURSES OF BRICK, ON A 5" X 3 1/2" X 5/16" STEEL ANGLE. LAP ALL 9-GAUGE WIRE 5 PAIR STEEL AND FROM 9" TO 18". USE A MINIMUM OF 12" AND EXTEND WIRES A MINIMUM OF 12" INTO JAMBS, TEMPORARILY SUPPORT THE STEEL ANGLES BEFORE LAYING MASONRY. THE SHORING MAY BE REMOVED FIVE DAYS FOLLOWING THE INSTALLATION OF MASONRY.
- D) WHEN STRUCTURAL STEEL BEAMS WITH BOTTOM PLATES ARE USED TO SUPPORT MASONRY, THE BOTTOM PLATE MUST EXTEND THE FULL LENGTH OF THE STEEL BEAM. THIS PROVIDES SUPPORT TO THE ENDS OF THE PLATE BY BEARING ON THE AD IACENT MASONRY JAMBS HE BEAM SHOULD BE TEMPORARILY SHORED PRIOR TO LAYING THE MASONRY. THE SHORING MAY BE REMOVED FIVE DAYS AFTER LAY
- THE MASONEY.

 8) ALL BRICK, VENEER OVER LOWER ROOFS (BRICK, CLIMBS) MUST HAVE A STRUCTURAL ANGLE LAG SCREWED TO AN ADJACENT STUD WALL IN
- ACCORDANCE WITH DETAIL, WITH STEEL BRICK, STOPS TO PREVENT SLIDING OF BRICK.

 9) ALL RAFTER BRACES MUST HAVE TWO STUDS FROM PLATE THROUGH ALL FLOORS TO THE FOUNDATION OR SUPPORTING BEAM BELOW. NO BRACES SHALL BE ATTACHED TO TOP WALL PLATE WITHOUT STUDS DIRECTLY UNDER THEM.

METERIALS SPECIFICATIONS

- METERIALS SPECIFICATIONS:
 CONCRETE GENERAL NOTES:

 I) EXCEPT WHERE OTHERWISE NOTED, FOR ALL CONCRETE, THE PROPORTIONS OF CEMENT, AGGREGATE, AND WATER TO ATTAIN REQUIRED PLASTICITY AND COMPRESSIVE STRENGTH SHALL BE IN ACCORDANCE WITH ACI 3 18 CODE. CONCRETE SHALL BE 2,500 PSI IN 28 DAYS FOR FOOTINGS AND 2,500 PSI FOR WALLS, BEANS, AND COLUMNS, JUNESS NOTED OTHERWISE.

 2) BEFORE PLACING CONCRETE, ALL DEBRIS, WATER AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE PLACES TO BE OCCUPIED BY THE CONCRETE. THE PLACING OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH ACI 3 16 AND ASTM C94 REQUIREMENTS.
 PUMPING OF CONCRETE WILL BE PERMITTED ONLY WITH THE ENGINEER OF RECORDS APPROVAL OF PROPOSED CONCRETE MIX AND METHOD OF PUMPING. CONCRETE SHALL BE IN ACIDED AND DEFOSITION TO AVOID SEGREGATION DUE TO REHANDLING. CONCRETE TO BE SPACED AND WORKED BY HAND AND VIBRATED TO ASSURE CLOSE CONTACT WITH ALL SURFACES OF FORMS AND REINFORCING STEEL AND LEVELED OFF AT PROPER GRADE TO RECEIVE FINISH. ALL CONCRETE TO ALL BE PLACED UPON CLEAN, DAMP SURFACES. VIBRATION SHALL BE APPLIED DIRECTLY TO THE CONCRETE AND SHALL BE SUPFICIENT TO CAUSE SECRETION OF TITLEMENT BUT NOT LONG ENDOUGH TO CAUSE SECREGATION OF THE MIX.
- SUPFICIENT TO CAUSE FLOW OF SETTLEMENT BUT NOT LONG RIQUED TO SHALL BE ATTALL DE ATTAL HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT EXCESSIVE RAVELING. FILL THE SAW CUTS WITH APPROVED JOINT FILLER AFTER THE CONCRETE HAS CURED.
- 4) CONCRETE, WHEN DEPOSITED, SHALL HAVE A TEMPERATURE NOT BELOW 50°F AND NOT ABOVE 90°F. THE METHODS AND RECOMMENDED PRACTICES AS DESCRIBED IN ACI 306 SHALL BE FOLLOWED FOR COLD WEATHER CONCRETING AND ACI 305 FOR HOT WEATHER
- 5) FRESHLY PLACED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING BY ONE OF THE FOLLOWING METHODS:
- A) PONDING OR CONTINUOUS SPRINKLING.

- A) POINTING OR CONTINUOUS SPRINKLING.

 B) ABSORTIVE MAT OR FARRIC KEPT CONTINUOUSLY WET.

 C) WATERPROOF PAPER CONFORMING TO ASTM C | 7 i

 D) APPLICATION OF AN APPROVED CHEMICAL CURING COMPOUND.

 THE CURING SHALL CONTINUE UNTIL THE COMULATIVE NUMBER OR DAYS WHEN THE AMBIENT TEMPERATURE ABOVE 50°F HAS TOTALED SEVEN.

 DURING CURING, THE CONCRETE SHALL BE PROTECTED FROM ANY MECHANICAL INJURY, LOAD STRESSES, SHOCK, VIBRATION, OR DAMAGE TO FINISHED SURFACES.
- G) REINFORCING STEEL BARS SHALL BE DEFORMED IN ACCORDANCE WITH ASTM A305 AND OR A408 AND FORMED OF ASTM AC LS-78 GRADE 60 STEEL. WELDED WIRE FABRIC REINFORCING TO BE ASTIM A LISS STEEL WIRE. ACCESSORIES SHALL CONFORM TO THE CRSI OF STANDARD PRACTICE." THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED OVER REINFORCING BARS:
- B) EXPOSED TO WEATHER C) SLABS NOT EXPOSED TO WEATHER

GENERAL NOTES

- MASONRY GENERAL NOTES:

 1) MASONRY WALLS ARE TO BE OF THE SIZES AND IN THE LOCATIONS SHOWN ON THE PLANS AND SHALL BE CONSTRUCTED IN ACCORDANCE. WITH THE PROVISIONS OF ACI 530
- WITH THE PROVIDENCE OF ACTION OF A STATE OF A MADE WITH LIGHTWEIGHT OR NORMAL WEIGHT AGGREGATES. GRADE N-I UNITS SHALL BE PROVIDED FOR EXTERIOR AND FOUNDATION WALLS, GRADE N-I OR S-I UNITS SHALL BE PROVIDED FOR OTHER LOAD-BEARING WALLS OR.
- CONCRETE BUILDING BRICK: ASTM CSS MADE WITH LIGHTWEIGHT OR NORMAL AGGREGATES, GRADE N-I OR S-I EXCEPT THAT BRICK
- CONCRETE BUILDING BRICKS, SAIM 0.55 MADE WITH LIGHTWEIGHT OR NORMAL, AGGREGATES, GRADE N.1 OR 3-1 EXCEPT THAT BRICK EXPOSED TO WEATHER SHALL BE N.1.

 MORTAR: ASTM 0.270-95. TYPE 5 PREPACKAGED MORTAR MIX WHICH SHALL NOT CONTAIN ANY NON-CEMENTITIOUS FILLERS COMBINED WITH NOT MORE THAN THREE PARTS SAND PER ON PART MIX.

 REINFORCING STEEL: ASTM 6.6 IS GRADE 6.0 STEEL DEFORMED BARS WHERE INDICATED ON THE PLANS. WHERE REINFORCING DARS ARE INSTALLED IN THE CELLS OF CONCRETE MASONRY UNITS, THEY SHALL BE SECURED WITH WIRE TIES AT INTERVALS NOT EXCEEDING 24" O/C TO MAINTAIN THE BARS. LOCATION IN THE CELL. THE TOLERANCE FOR SPACING OF VERTICAL BARS 15 ± 2 INCHES ALONG THE LENGTH OF THE WALL. THE TOLERANCE FOR THE DISTANCE BETWEEN THE FACE OF THE CONCRETE MASONRY UNIT AND THE CENTER OF THE BAR HALL NOT EXCEED ± 1/2"
- SHALL NOT EXCEED ± ½*.

 MORTAR PROTRUSION SHALL BE LESS THAN ½*. A PROTRUSION OF ½* OR GREATER MUST BE REMOVED BEFORE GROUTING.

 HORIZONTAL JOINT REINFORCEMENT: ASTM A82 FABRICATED FROM COLD DRAWN STEEL WIRE AND HOT DIP ZINC COATED (ASTM A153). IT

 SHALL CONSIST OF TWO OR MORE PARALLEL, LONGITUDINAL WIRES 0.1875* IN DIAMPTER ATT WELL-CONNECTED CROSS WIRES

 0.1483* IN DIAMPTER AT A MINIMUM OF 16" OC. JOINT REINFORCEMENT IS TO BE INSTALLED IN EVERY OTHER COURSE AND IN THE

 FIRST TWO COURSES AT THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24" PAST THE OPENING. SPLICES SHALL OVERLAP NOT LESS THAN LE
- SHALL OVERLAP NOT LESS THAN 12".

 EXECUTION: MASONRY UNITS SHALL BE LAID IN A RUNNING BAND PATTERN UNLESS NOTED OTHERWISE. THE WALLS SHALL BE CARRIED UP LEVEL AND PLUMB WITHIN THE TOLERANCES SPECIFIED IN ACI 530.1-88, SECTION 2.3.3.2. IF NONSTANDARD DIMENSIONS ARE ENCOUNTERED, BLOCK SHALL BE CUT WITH A MASONRY SAW TO FIT, NOT BY STRETCHING OR SHRINNING JOINTS. UNFINISHED WORK, SHALL BE STEPPED BACK FOR JOINING WITH NEW WORK. TOOTHING WILL NOT BE PERMITTED EXCEPT WHERE SPECIFICALLY APPROVED. DAMAGED UNITS ARE TO BE CUT OUT AND NEW UNITS SET IN PLACE.

 THE PILLED CELLS AND BOND BEAM BLOCKS OF REINFORCED MASONRY WALLS ARE. TO BE FILLED WITH ASTM C476-91, GROUT FOR MASONRY WITH MINIMUM COMPRESSIVE STRESS OF 2.000 PSI JAND SUMP RANGE OR 8" TO 11". THE OUTSIDE FACE OF THE BOTTOM BLOCK OF EACH CELL IS TO BE BROKEN OUT FOR INSPECTION OF REINFORCING AND CLEAN OUT OF MORTAR DROPPINGS IN CELL. THE
- BLOCK OF EACH CELL IS TO BE BOOKEN OUT FOR INSPECTION OF REINFORCING AND CLEAN OUT OF MORTRAR DROPPINGS IN CELL. THI
 GROUT IS TO BE PUMPED INTO THE CELL IN MAXIMUM FIVE FOOD LIFTS AND IMMEDIATELY VIBRATED TO MINIMIZE ANY VOIDING OF
 THE GROUT. RECONSOLIDATE EACH LIFT BY VIBRATING. SEVERAL INCHES INTO THE PRECEDING LIFT BEFORE
 PLASTICITY IS LOST.
 RECONSOLIDATE THE TOP LIFT AND FILL WITH GROUT ANY SPACE LIFT BY SETTLEMENT SHRINKAGE.
 WHERE PARTITIONS FALL BETWEEN FLOOR JOISTS OR TRUSSES, 2X 4 LLADDERS AT 16" OUT BY PLACED PERPENDICULAR TO THE
 TRUSSES TO SUPPORT THE PLYWOOD DECKING. THE LADDERS SHALL BE SUPPORTED WITH SIMPSON "2" CUP OR SIMILAR DEVICE.
- TRUSSES TO SUPPORT THE PLYWOOD DECKING. THE LADDERS SHALL BE SUPPORTED WITH SIMPSON "2" CLIP OR SIMILAR DEVICE.

 1) ALL WOOD I-JOISTS AND OPEN JOISTS MUST BE BRACED IN ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS PLUS DETAILS SHOWN ON PLANS. LOAD-BEARING PARTITIONS, JACKS, BRAMS AND COLUMN SUPPORTS MUST BE SOUD BLOCKED THROUGH PLOOR. TRUSSES AND PLYWOOD SHALL NOT CARRY CONCENTRATED POINT LOADS. I-JOIST MATERIAL SHOULD NOT BE USED AS BLOCKING UNDER CONCENTRATED POINT LOADS. ALL POINT LOADS MUST BE CARRIED TO FOUNDATIONS WITH ADEQUATE BLOCKING AND/OR BEAMS.

 12) ALL STEEL COLUMNS WHITE STEEL COLUMNS BEAR ON CONCENTE OR MASONRY, UNLESS OTHERWISE NOTED, A 5/6" X G ½" X" C Y OR 5/6" X 3 ½" X 6" BASE PLATE SHALL BE USED TO SPREAD THE COLUMN LOAD ACROSS THE BEARING SURFACE. BASE PLATES SHALL BE BOLTED WITH AT LEAST TWO ½" DIAMETER ANCHOR BOLTS OR EXPANSION BOLTS TO CONCRETE OR MASONRY.

 13) UNLESS NOTED OTHERWISE ON PLANS, ALL EXTERIOR FACING WALL STUDE TAILER THAN 10" SHALL BC CONSTRUCTED AS FOLLOWS:

 A) WALLS 10" TO 12" HIGH: BALLOON FRAME 2 X 4 STUDS AT 12" OX WITH ½" OSB SHEATHING AND 3 KING STUDS ON EACH SIDE OF EACH OPENING NAILED SECURELY TO THE HEADER.

- WALLS 10 TO 12" HIGH: BALLOON FRAME 2 X 4 STUDS AT 12" O/C WITH 12" O'SB SHEATHING AND 3 KING STUDS ON EACH SIDE OF EACH OPENING NAILED SECURELY TO THE HEADER.

 WALLS 12" TO 20" HIGH: BALLOON FRAME 2 X 6 STUDS AT 16" O/C (1/2" O'SB SHEATHING REQUIRED FOR WALL HEIGHTS > 17). PROVIDE 2-1 "X" X 5 1/4" LVL KING STUDS ON EACH SIDE OF OPENINGS 3" TO 6" WIDE AND 2-2 X 6 KING STUDS FOR OPENINGS LESS THAN 3" WIDE. FASTEN KING STUDS SECURELY TO ALL HEADERS WITH A MINIMUM OF 12-16D NAILS OR 4-3/8" DIAMETER LAG SCREWS EMBEDDED
- MINIMUM OF 4" INTO THE HEADER

- MINIMUM OF 4" INTO THE HEADER.

 C) GABLE END WALLS OR ROOMS WITH VAULTED CEILING JOISTS: BALLOON FRAME WALL AND PROVIDE TRIPLE KING STUD ON EACH SIDE OF OPENINGS, NAILED SECURELY TO THE HEADER.

 D) TWO-STORY HIGH FOYER WALLS LESS THAN 9" WIDE: EXTEND 3 ½" X 9 ¼" PSL MEMBER WITH 3-2 X 4 FLAT PLATES ACROSS THE ENTIRE WALL. LOCATE THE BEAM NEAR MID-HEIGHT OF THE WALL AT OR NEAR FIRST FLOOR TOP PLATE.

 NOTE:SEE SPECIAL DESIGN OR ENGINEER FOR WALLS TALLER THAN 20", WHEN OPENINGS IN HIGH WALLS EXCEED 6" IN WIDTH, OR IF THE WALL CANNOT BE CONSTRUCTED USING NAY OF THE METHODS MEMBRIONED.

 14) CONTINUOUS 2 X 6 BRIDGING SHALL BE NAILED TO DIAGONAL OR VERTICAL WEB MEMBERS OF ALL OPEN-WEB FLOORS TRUSSES OVER 10" LONG. THEY SHALL BE INSTALLED NEAR MID-SPAN AS A LOAD DISTRIBUTION MEMBER. IF THE 2 X 6 BRIDGING IS NOT CONTINUOUS, LAB PENDS OF BRIDGING ONE TEXTS SPACE.
- 15) LOWER STUD WALLS FOR BUILDINGS OVER TWO STORIES. BUT NOT MORE THAN THREE STORIES.
- INTERIOR WALLS LOAD BEARING

- 2" PLYWOOD SHEATHING SOLID ON WALLS
- HEADERS SHALL BE AS SHOWN UNLESS NOTED DIFFERENTLY ON PLANS INTERIOR AND EXTERIOR
- ... 2-2 X 85 SPANS 3'-6" TO 6'-6"

- 18) AT ALL EXTERIOR DIAGONAL WALL PANELS, EACH PANEL SHALL BE NAILED TO EACH ADJACENT PANEL WITH 5-16D NAILS OR TIED TOGETHER
- WITH METAL STRIPPING NAILED AT FOUR LOCATIONS BETWEEN FLOORS WITH A MINIMUM OF 2-16D NAILS INTO EACH PANEL AT EACH STRAP. THIS WILL AVOID VERTICAL CRACKING IN PANEL JOINTS DUE TO HORIZONTAL OSCILLATING PANELS.

 19) AT ALL STAIRS, EVERY STUD AT EACH STRINGER MUST BE NAILED TO EACH STRINGER WITH A MINIMUM OF 2-16D NAILS. THIS WILL AVOID CRACKING BETWEEN WALLBOARD AND TOP OF BASE MOLDING DUE TO VERTICAL OSCILLATION OF STAIR STRINGERS.
- 20) ROOF TRUSSES THAT HAVE NON-BEARING PARTITIONS PASSING UNDER THEM SHOULD BE NAILED TO THE PARTITION PLATES TO AVOID CEILING-WALL CRACKING. 21) ROOF TRUSSES CLOSE TO SIDE WALLS FRAMING AND USED AS DEAD WOOD FOR SHEETROCK BOARDS SHOULD BE NAILED TO THE WALL
- 21) ROUT TRUSTED CLOSE TO SIDE WALLS TRAMING AND DEED AS DEAD WOUD FOR STREET TO BE WALLD DE MALES OF THE WALL FRAMING TO PREVENT CEILING-WALL CRACKING.

 22) ALL STRUCTURAL FRAMING LUMBER EXPOSED DIRECTLY TO THE WEATHER OR BEARING TO EXTERIOR MASONRY PIERS OR CONCRETE SHALL BE TREATED. ALL WOOD IN CONTACT WITH THE GROUND IS TO BE GROUND-CONTACT APPROVED. ALL WOOD EXPOSED DIRECTLY TO THE WEATHER. SHALL BE PROTECTED TO PREVENT THE OCCURRENCE OF ROT.
- DIRECTLY TO THE WEATHER STALL BE PROTECTED TO PREVENT THE OCCURRENCE OF ROT.

 3) UNLESS OTHERWISE DETAILED, ALL STICK-BUILT "FALSE CHIMNEYS" SHALL BE CONSTRUCTED WITH 2 X 4 STUDS AT 12" O/C,
 BALLOON-FRAMED FROM ATTIC CRILING OR PLOOR. FASTEN 15/32" COX PLYMOOD ON ALL SIDES OF THE CHIMNEY ALONG THE FULL
 LENGTH OF THE STUDS. FASTEN EACH STUD TO THE SUPPORTING BEAM OR CEILING JOIST WITH A 1 1/2" X 24". 18-GAUGE METAL STRAP, OR A SIMILAR CONNECTOR.

 24) ITEM UNCHANGED, BUT MOVED FROM UNDER #14 ON OLD PAGE 2:
- NOTE:ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS WHETHER WOOD OR STEEL CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION
- NOTE TO APPLY TO ALL HARD COAT STUCCO EXTERIOR FINISHES: JOINTS ARE NECESSARY AT THE FOLLOWING LOCATIONS: HORIZONTALLY AT EACH FLOOR LINE. NO AREAS LARGER THAN 144 5.F. SUFFACE EXPOSED.

- NO DIMENSION LONGER THAN 18'
- NO DIMENSION LONGER THAN 2 1/2 TIMES THE SHORTEST DIMENSION

- NO DIMENSION LONGER THAN 2 V2 TIMES THE SHORTEST DIMENSION. DRIP SCREED REQUIRED AT THE BOTTOM OF ALL WALLS 2" ABOVE PAVED AREAS AND 4" ABOVE GRADE. SEE ASTM 926 AND 1033 FOR FURTHER INFORMATION. APPLICATION OF AN APPROVED CHEMICAL CURING COMPOUND.
- THE CURING SHALL CONTINUE UNTIL THE CUMULATIVE NUMBER OR DAYS WHEN THE AMBIENT TEMPERATURE ABOVE 50°F HAS TOTALED SEVEN. DURING CURING, THE CONCRETE SHALL BE PROTECTED FROM ANY MECHANICAL INJURY, LOAD STRESSES, SHOCK, VIBRATION, OR DAMAGE TO FINISHED SURFACES.

THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER FOR LATERAL LOADING. IT HAS BEEN DESIGNED USING . THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER FOR LATERAL LOADING. IT HAS BEEN DESIGNED USING CONTINOUSLY SHEATHED 71/6" OSB SHEATHING, FASTENED AT 6" O.C. ALONG THE INTERIOR TO MEET OR EXCEED THE INTENT OF THE 2012 INTERNATIONAL RESIDENTIAL BUILDING CODE. (BLOCKING MUST BE PROVIDED AT ALL JOINTS TO RESIST UPLIFT). HORIZONTAL NALL SPACING AT THE TOP AND BOTTOM OF EACH PANEL SHALL BE A DOUBLE ROW OF & COMMON NALLS AT 6" O.C. ALL EXTERIOR PLYMODOMOSE SHEATHING MUST NOT SPLICE AT LOOP FRAMING, BUT RATHER LAP ONTO ADJOINING WALLS BY 18" MINIMUM. WHERE WALL LUNES REQUIRE PLETHER REINFORCEMENT, ADDITIONAL BRACING METHODS, ENGINEERED WALL SECTIONS AND HOLD DOWNS HAVE BEEN INCLUDED TO RESIST THE LATERAL LOADS AND ARE NOTED ON THE PLAN

- ROOF CONSTRUCTION:) ALL ROOF TRUSSES MUST BE BUILT IN ACCORDANCE WITH TRUSS MANUFACTURERS' REQUIREMENTS. TIE-DOWN CONNECTIONS TO RESIST ALL ROOT TROOF IN MOST DE UNTIT IN ACCOMMENT IN TROOS MANUFACTORIES REQUIREMENTS. IT IN-DOWN CONNECTIONS TO REDI PUILIT SHALL BE INSTALLED WHERE REQUIRED. WHEN ROOF TRUSS MANUFACTORES DO NOT PROVIDE THE REQUIRED CONNECTORS, IT RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ROOF TRUSS ENGINEER OR THE ENGINEER OF RECORD TO PROVIDE AN ADEQUATE
- CONNECTION.

 2) IN ADDITION TO THE CODE'S FASTENER SCHEDULE, UNLESS NOTED OTHERWISE ON THE PLAN. ROOF MEMBERS SHALL BE TIED DOWN WITH
- ADDITIONAL METAL CONNECTORS AS FOLLOWS:

 A) STICK-FRAMED RAFTER MEMBERS EXCEEDING 10' IN LENGTH, AS MEASURED FROM THEIR HORIZONTAL PROJECTION, AND ALL ROOFS OVER STICE-FRAMED RAFTER MEMBERS EXCEEDING TO IN LENGTH, AS MEASURED FROM THEIR HORIZONTAL PROJECTION, AND ALL ROOFS O UNENCLOSED AREAS SUCH AS PORCHES USE SIMPSON H2.5 CONNECTORS EVERY 4" OR AT EVERY THIRD RAFTER TO FASTEN THE LOW OF THE RAFTER TO THE TOP PLATE. ALL LOWER ENDS OF VALLEY AND HIP MEMBERS WHICH BEAR ON A TOP PLATE USE A SIMPSON HCP OR EQUIVALENT CONNECTOR.
- RAFTERS SHALL BE 2 X G AT 16" DIC SPRUCE-PINE-FUR #2 FOR SHINGLES EXCEPT AS NOTED. THEY ARE TO BE CUT INTO HIPS, RIDGES, ETC..

 UNLESS NOTED. OTHERWISE. TILE, SLATE AND OTHER HEAVY ROOF COVERINGS SHALL USE 2 X & AT 16" O/C SPRUCE-PINE-FUR #2 RAFTERS INLESS NOTED OTHERWISE
- ORLESS NOTED OTHERMISE.

 COLLAR TIES SHALL BE 2 X 6 AT 48" O/C AT ALL RIDGES UNLESS NOTED OTHERWISE AND LOCATED A NOMINAL 3' BELOW THE RIDGE. VAULTED
 CEILINGS REQUIRE SPECIAL COLLAR TIE OR RIDGE BEAM DETAILS. SEE THE END OF TABLE RB02,5,1, IN THE CODE UNLESS OTHERWISE DETAILED
- A MINIMUM OF THREE COLLAR TIES SHALL BE USED AT ALL RIDGES EVEN IF TWO TIES MUST BE PUT ON ONE SET OF RAFTERS.

- 5) A MINIMUM OF THREE COLLAR TIES SHALL BE USED AT ALL RIDGES EVEN IF TWO TIES MUST BE PUT ON ONE SET OF RAFTERS.
 6) ALL HIPS AND RIDGES ARE A SIZE LARGER THAN RAFTERS UNLESS NOTED OTHERWISE.
 7) ALL HOGS ON CEILING JOISTS OR RAFTERS ARE 12' LONG AND 2 X 65 UNLESS NOTED OTHERWISE, RAFTERS MAY BE SPLICED OVER HOGS. SPLICE RAFTER HOGS ONLY. AT A ROOF BRACE.
 6) GABLE END FRAMING MUST BE BRACED PARALLEL TO RIDGES WITH A MINIMUM OF 2 X 6 DIAGONAL BRACES AT 6' O/C ALONG THE GABLE WALL TO INTERIOR CEILING JOISTS. BRACES TO BEAR ON 2 X 6 HOGS AND TO THE GABLE WALL AT APPROXIMATELY MID-HEIGHT OF GABLE WALLS. BRACES SHALL BE AT AM ANGLE OF APPROXIMATELY 4S'. OTHER BRACING MAY BE USED WITH THE DESIGN ENGINEERS APPROVAL.
 9) GABLE END FRAMING MUST BE BRACED PARALLEL TO RIDGES WITH A MINIMUM OF 2 X 6 DIAGONAL BRACES AT 6' O/C ALONG THE GABLE WALL TO INTERIOR. CEILING JOISTS. BRACES TO BEAR ON 2 X 6 HOGS AND TO THE GABLE WALL AT APPROXIMATELY MID-HEIGHT OF CABLE WALLS. BRACES SHALL BE AT AN ANGLE OF APPROXIMATELY 4S'. OTHER BRACING BY BUSED WITH THE DESIGN ENGINEER'S APPROVAL.
 10) CEILING JOISTS WHEN RECETED PARALLEL TO RAFTERS MUST BE SISTERED TO RAFTERS AND NAILED WITH 3 16D NAILS AT EACH RAFTER. IF A KNEWWALL IS USED.
- KNEEWALL IS USED AND CEILING JOISTS CANNOT TOUCH RAFTERS. THEN RAFTERS MUST BE TIED TO THE CEILING JOISTS USING 2 X 4 OR X G RAFTER TIES SPACED NO MORE THAN 4" ON CENTER
- X & RAFTER TIES SPACED NO MORE THAN 4" ON CENTER.
 ALL ROOF BRACES ARE 2-2 X 4 NAILED WITH 16 FENNY NAILS AT 9" O/C VERTICALLY FROM TOP TO BOTTOM. BRACES LONGER THAN 10' MUST BE BRACED HORIZONTALLY IN TWO DIRECTIONS AT MID-HEIGHT.
 MAXIMUM SPACING OF ROOF BRACES IS TO BE AS FOLLOWS:
- FOR 2 X 6 HOG . FOR 2 X 8 HOG

- LUMBER GENERAL NOTES:

 1) ALL COMMON FRAMING LUMBER IS TO MEET THE FOLLOWING MINIMUM SPECIFICATIONS AT 19% MOISTURE CONTENT:

 MATERIAL
 FB (PSI)
 FT (PSI)
 FC (PSI)(PERP)
 E (PSI)

 # 2 SPRIJCE PINE FUR
 875
 450
 425
 1,400,000
 SOUTHERN YELLOW PINE 1,150 600 480 1,600,000
- 2) ALL STRUCTURAL COMPOSITE LUMBER (LVL, LSL, PSL) IS TO MEET THE FOLLOWING MINIMUM SPECIFICATIONS APPLICATION FB (PSI)
 GIRDERS & BEAMS (LVL,PSL) 2,600 FC (PSI)(PARALLEL) FC (PSI)(PERP.) E (PSI) 2,310 650 I COLUMNS (LSL) & RIMBOARDS 1.700 1.400
- ALL GLUE LAMINATED TIMBER (GLU-LAM) IS TO MEET THE FOIL OWING MINIMUM SPECIFICATIONS

FC (PSI)(PARALLEL) FC (PSI)(PERP.) E (PSI)

1.700 740

1.550 560 FB (PSI) GIRDERS & BEAMS

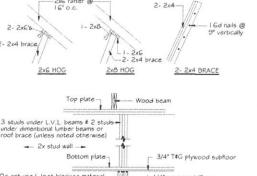
OPEN WEB FLOOR TRUSSES

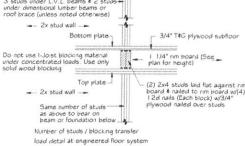
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APPLICATION
TOP & BOTTOM CHORDS 1.9E MSR LUMBER 2 500 COLUMNS (LSL) & RIMBOARDS

- WHERE THREE OR FOUR-PLY "LAM" BEAMS ARE SIDE-LOADED (JOISTS FRAME INTO THE SIDE AT THE OUTSIDE PLIES), FASTEN ALL PLIES TOGETHER WITH TWO ROWS OF 1/2" DIAMETER BOLTS AT 16" O/C. THE BOLTS SHALL BE LOCATED A MINIMUM OF 2 1/2" AND A MAXIMUM OF 3 1/2" FROM THE TOP OR BOTTOM OF THE BEAM
- 6) BUILT-UP WOOD COLUMNS CONSISTING OF MULTIPLE STUDS SHALL HAVE EACH LAMINATION NAILED WITH 16D NAILS AT 9" O/C.

PLANS PERMITTED IN NORTH CAROLINA ARE DESIGNED TO MEET THE 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE, LATEST EDITION WISEPT 2013 AMENDMENTS, AS ISSUED BY THE STATE OF NORTH CAROLINA







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****ZONE 4A 2012 NC ENERGY CODE, TRIAD - RALEIGH****

INSULATION REQUIREMENTS FOR 2012 NORTH CAROLINA ENERGY CODE (PRESCRIPTIVE METHOD)

PER SECTION 401 TABLE 402.1.1 (INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENTS) OF THE 2012 NORTH CAROLINA ENERGY CODE, BELOW ARE THE REQUIRED INSULATION AND FENESTRATION REQUIREMENTS

HOUSE COMPONENT	MIN INSULATION R-VALUE	MAX U-FACTOR ¢ SHGC FACTOR FOR
SLAB ON GRADE FOUNDATIONS	R-10 RIDGED INSULATION TO EXTEND 24" PAST EDGE OF SLAB	ALL WINDOW ¢ DOOR5
BASEMENT CONCRETE WALLS ON FINISHED BASEMENT	R-15 BATT INSULATIONS ENCLOSED IN 2X4 FRAME WALL IN FRONT OF CONCRETE BASEMENT WALLS	
BASEMENT CONCRETE WALLS ON UNFINISHED BASEMENT & CRAWL SPACE WALLS	NO INSULATIONS REQUIRED, BUILDING ENVELOPE STOPS AT INSULATED FLOOR SYSTEM	
IST FLOOR FLOOR SYSTEMS ON UNFINISHED BASEMENT & CRAWL SPACES	R-19 BATT INSULATION HELD FLUSH WITH TOP OF FLOOR TRUSS/FLOOR SHEATHING	
EXTERIOR 2X4 WALLS	R-15 BATT INSULATION ENCLOSED ON ALL 6 SIDES INCLUDING AREAS BEHIND TUB AND SHOWER STALLS	
EXTERIOR 2XG WALLS	R-15 BATT INSULATION ENCLOSED ON ALL 6 SIDES INCLUDING AREAS BEHIND TUB AND SHOWER STALLS	
2XG \$ 2X4 GARAGE WALLS COMMON WITH HEATED SPACE	R-15 BATT INSULATION ENCLOSED ON ALL 6 SIDES INCLUDING AREAS BEHIND TUB AND SHOWER STALLS	
MAIN HOUSE CEILINGS	R-38 BATT/ R-38 BLOWN INSULATION W/ INSULATION EXT'G TO AIR BAFFLE OR WITHIN 1" OF ATTIC ROOF DECK	
VAULTED CEILINGS (NO ATTIC)	R-38 BATT INSULATIONS EXTENDING TO WITHIN 1" OF ATTIC ROOF DECK	
WINDOW ¢ DOORS		0.35 U-FACTOR \$.30 SHGC
GARAGE CEILINGS W/ ATTIC SPACE ABOVE	R-38 BATT/ R-38 BLOWN INSULATION W/ INSULATION EXT'G TO AIR BAFFLE OR WITHIN 1" OF ATTIC ROOF DECK	
GARAGE CEILINGS W/HEATED SPACE ABOVE	R-19 BATT INSULATIONS WITH (1) LAYER 5/8" TYPE X SHEET ROCK AT GARAGE CEILING	
PORCHES W/ HEATED SPACE ABOVE	R-19 BATT INSULATIONS	
PROJECTIONS W/ ATTIC SPACE ABOVE	R-38 BATT INSULATIONS EXTENDING TO WITHIN I" OF ATTIC ROOF DECK	
EXTERIOR FLOOR CAVITY PERIMETER SPACES BETWEEN STORIES	R-15 BATT INSULATIONS	

HARNETT
DESIGN CRITERIA
DESIGN LOADS ARE ALL DEAD LOADS

PLUS:
A. SLEEPING ROOMS... .30 PSF B. ALL OTHER FLOORS...
C. BALCONIES..... ..40 PSF ..60 PSF D. ATTIC FLOOR LIVE LOADING WITH THE FOLLOWING: I. AREA ACCESSIBLE BY STAIRS. ROOF SLOPES >3: | 2......20 PSF III. ROOF SLOPES <3:12.....10 PSF E. ROOF LIVE LOAD... .20 PSF F. WIND LOAD......
G. SNOW LOAD.....
H. SEISMIC ZONE.. ...20 PSF

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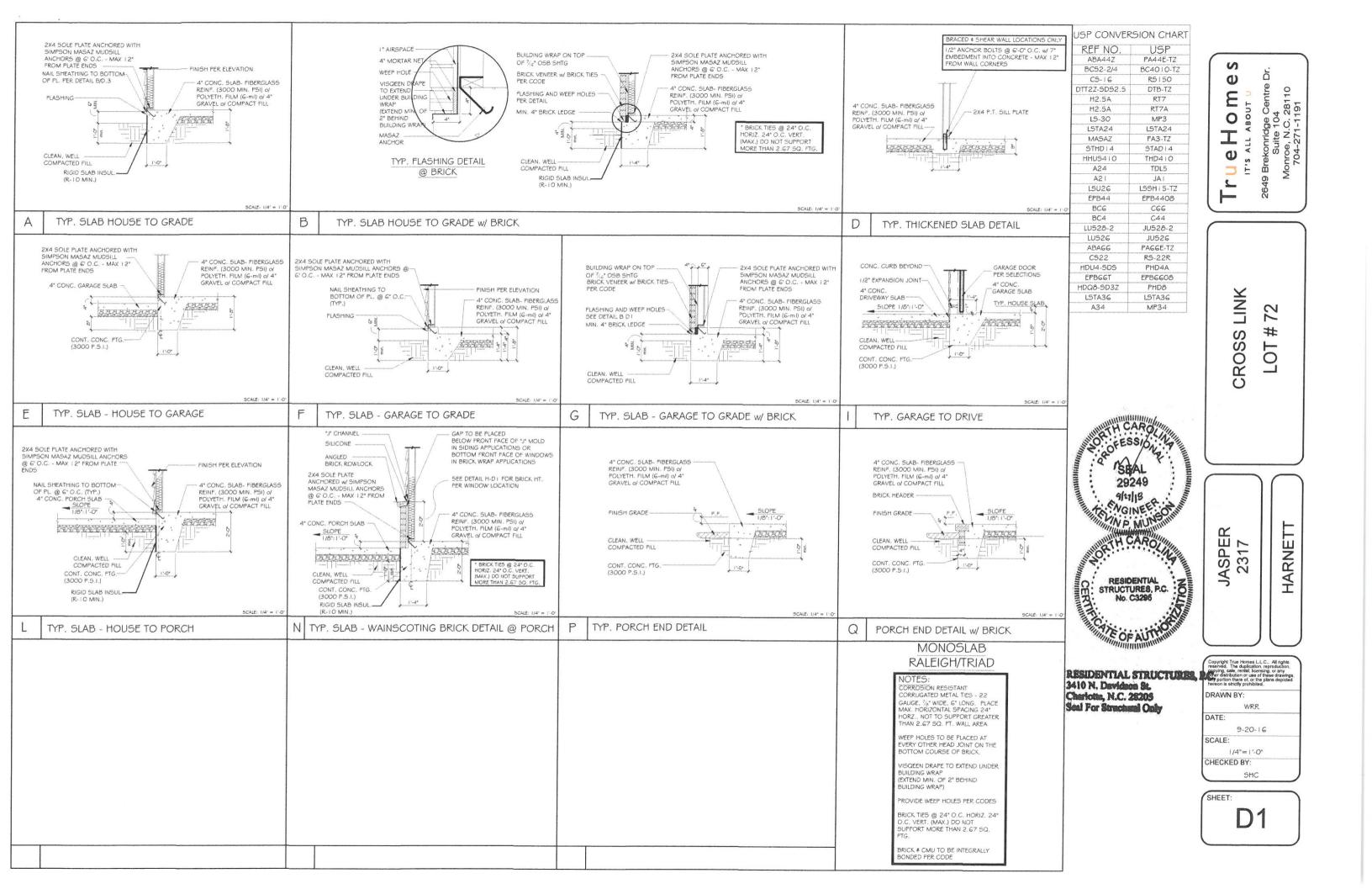
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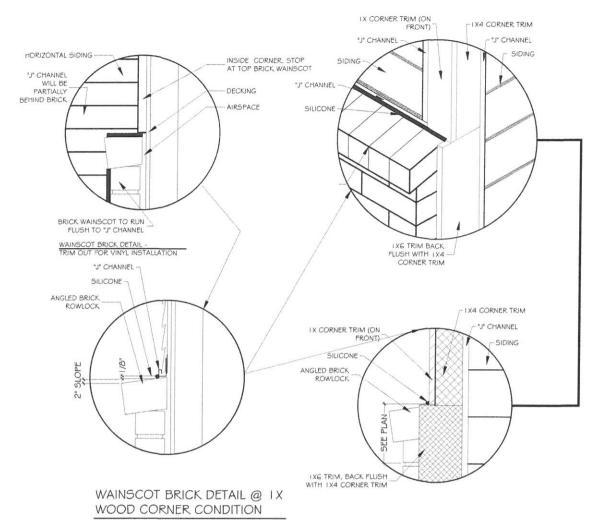
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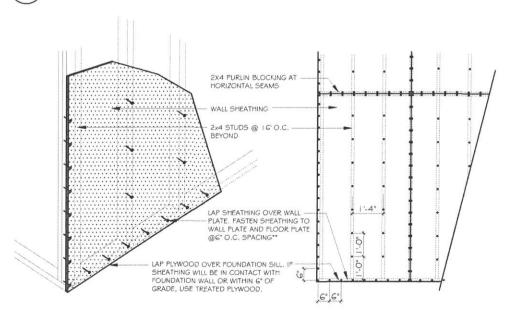
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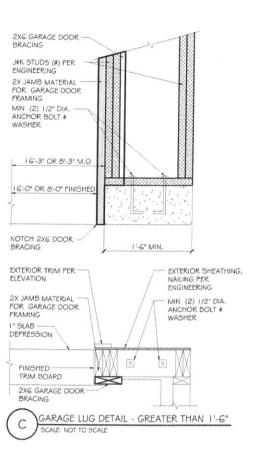


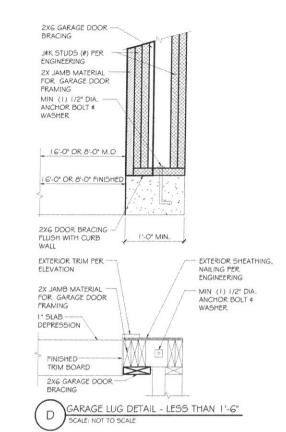


LASHING @ WAINSCOTING BRICK DETAIL



YP. NAILING PATTERN CALE: 1/4" = 1'-0"







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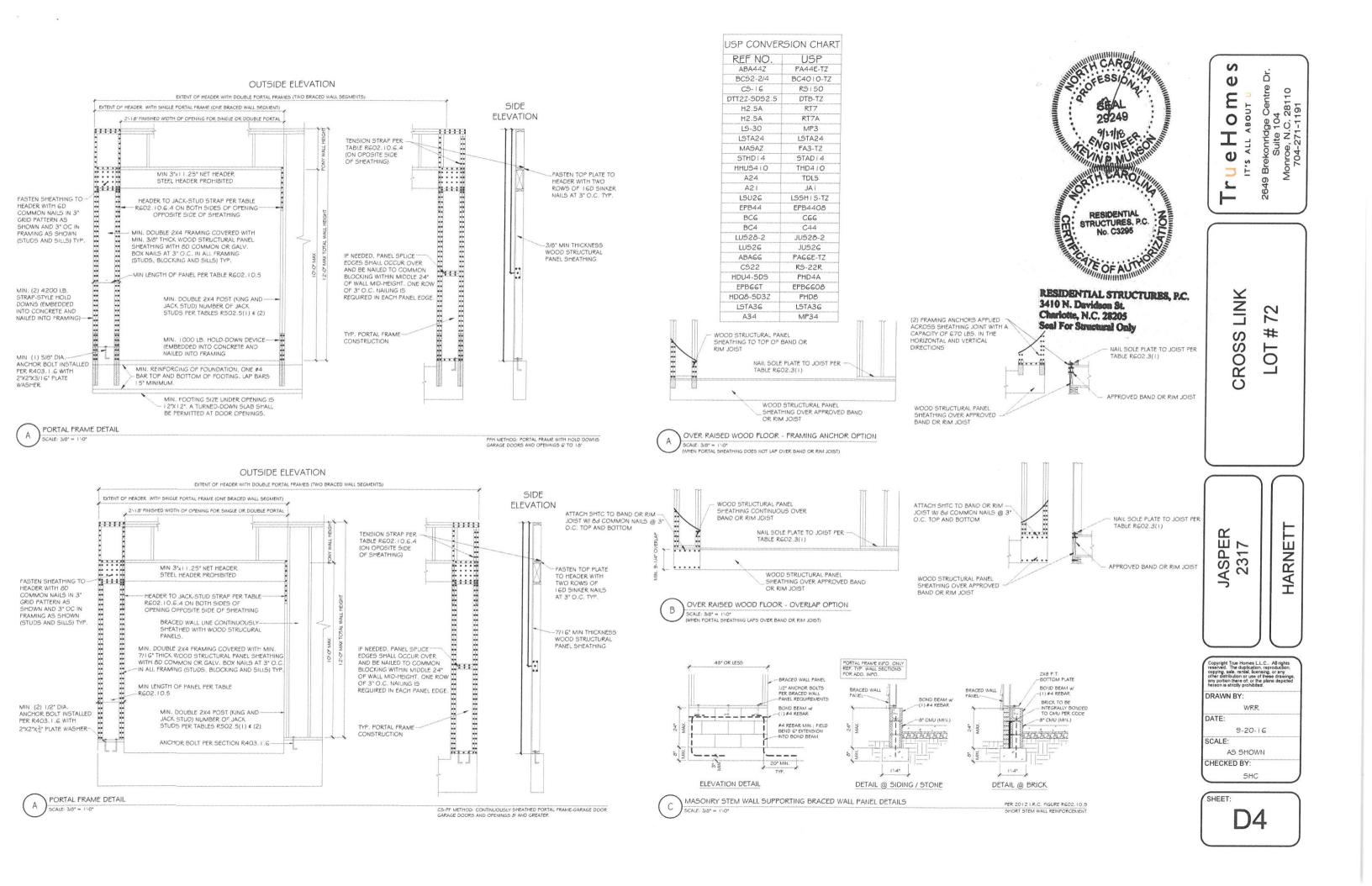
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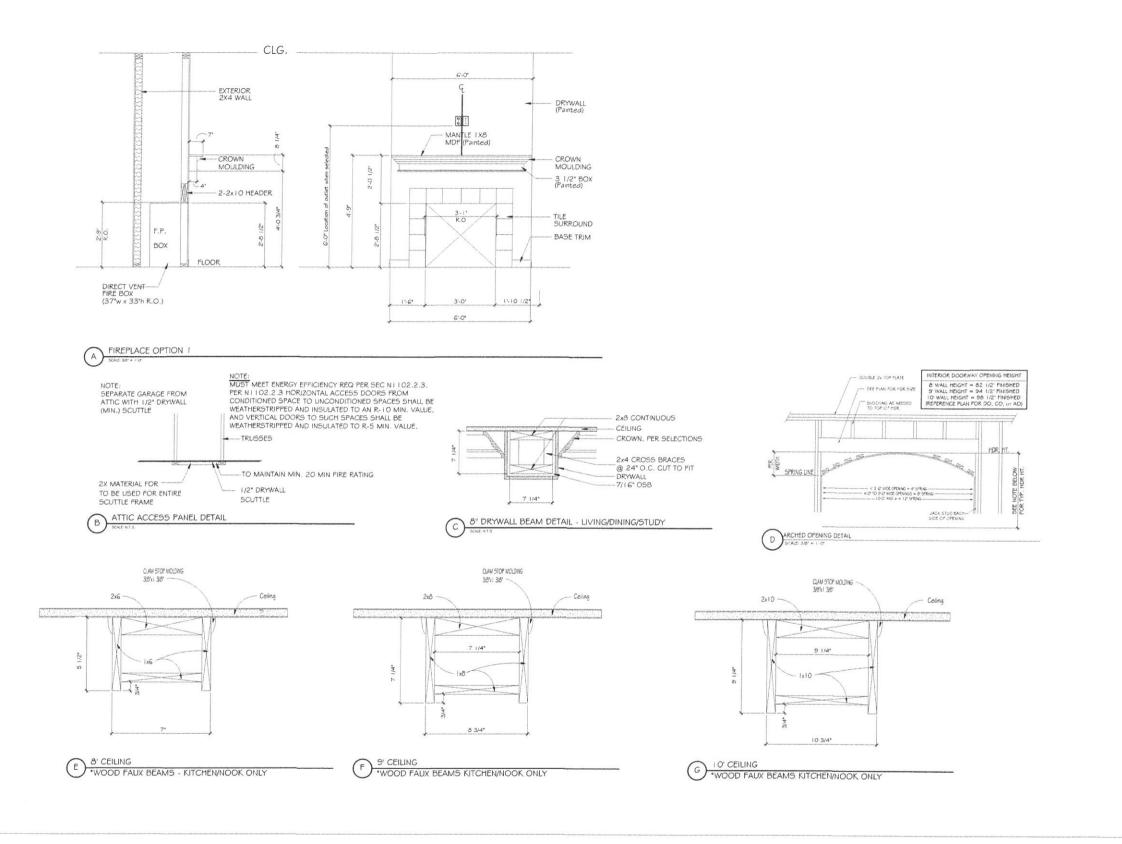
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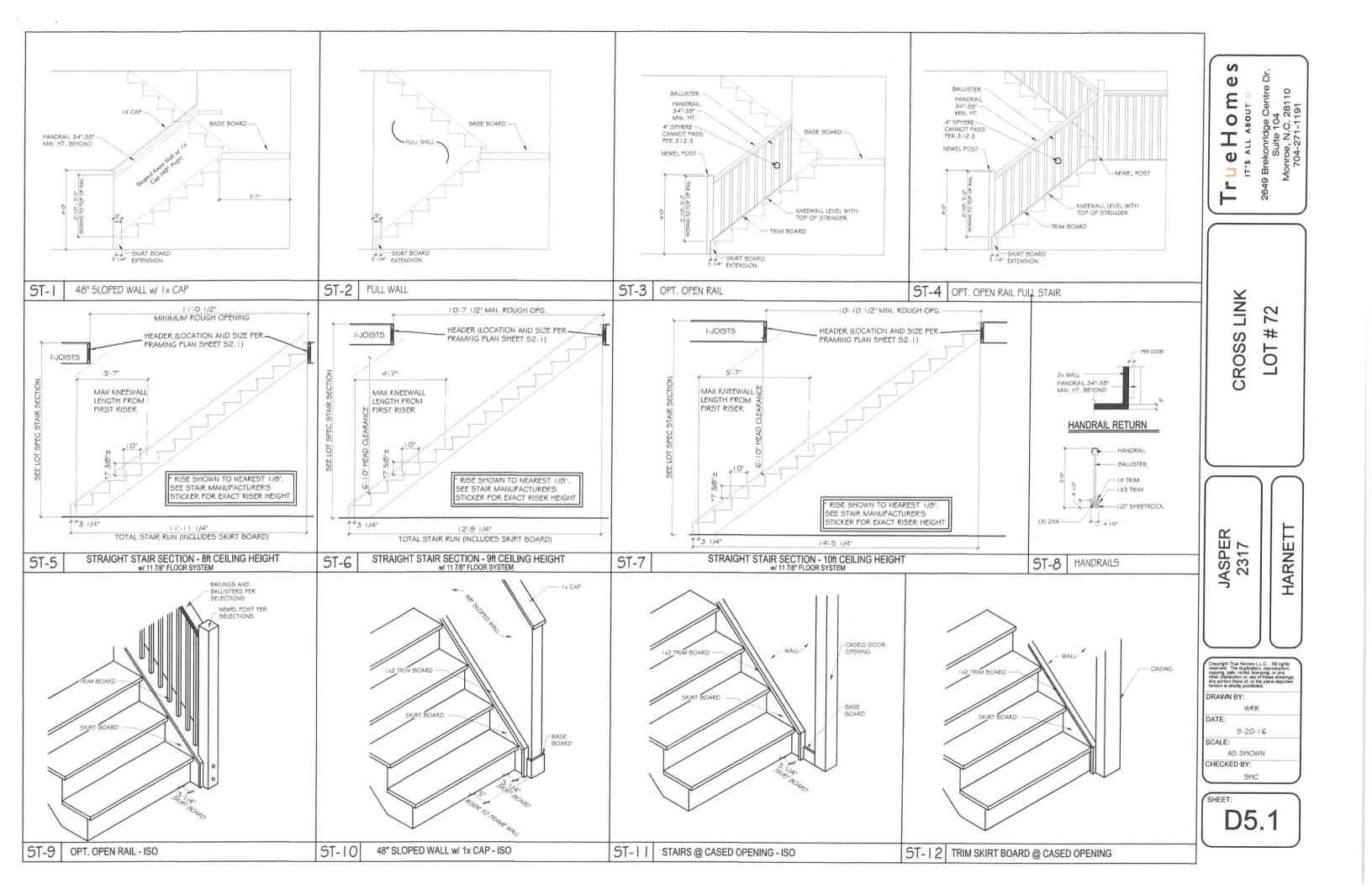
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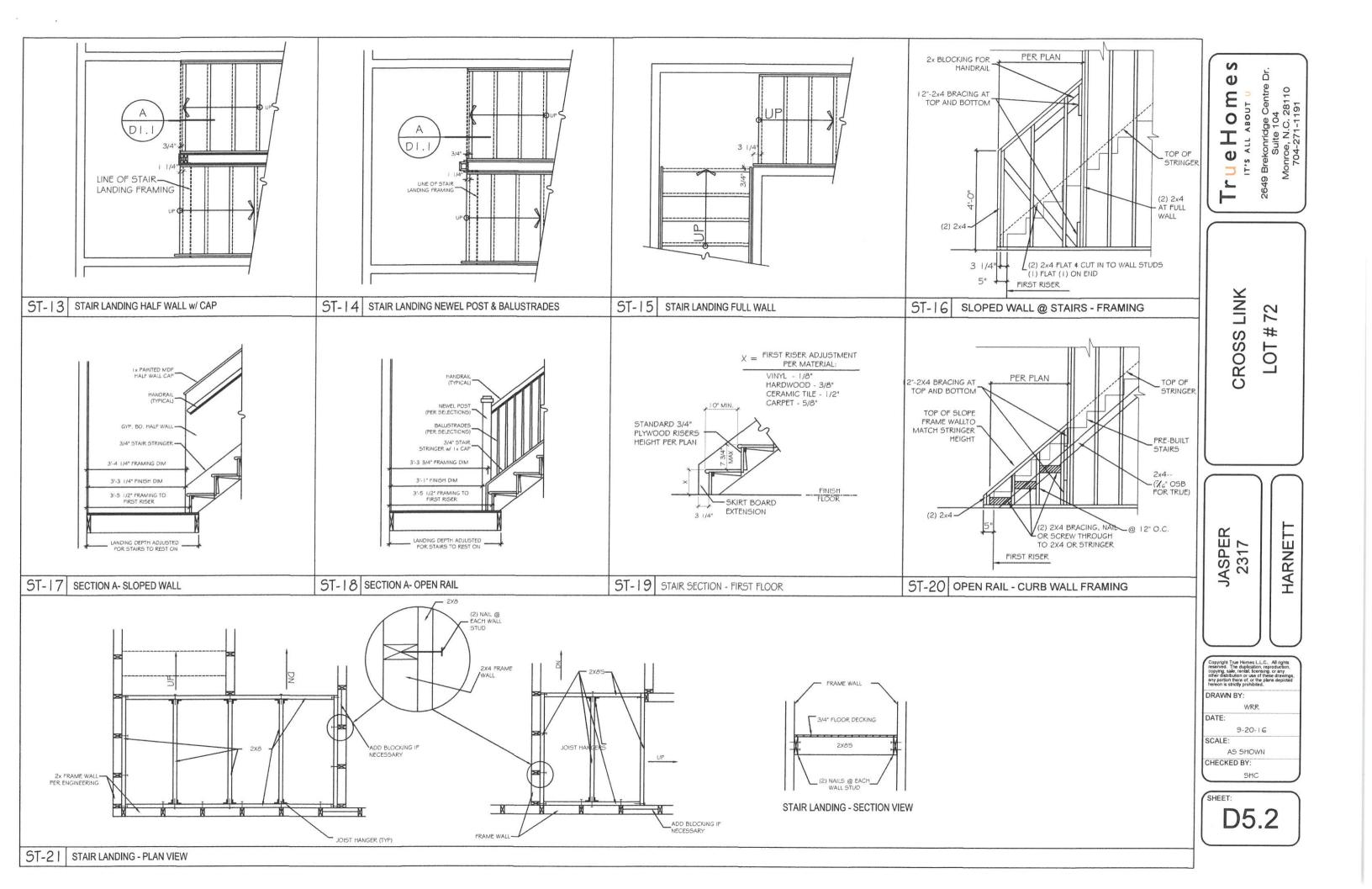
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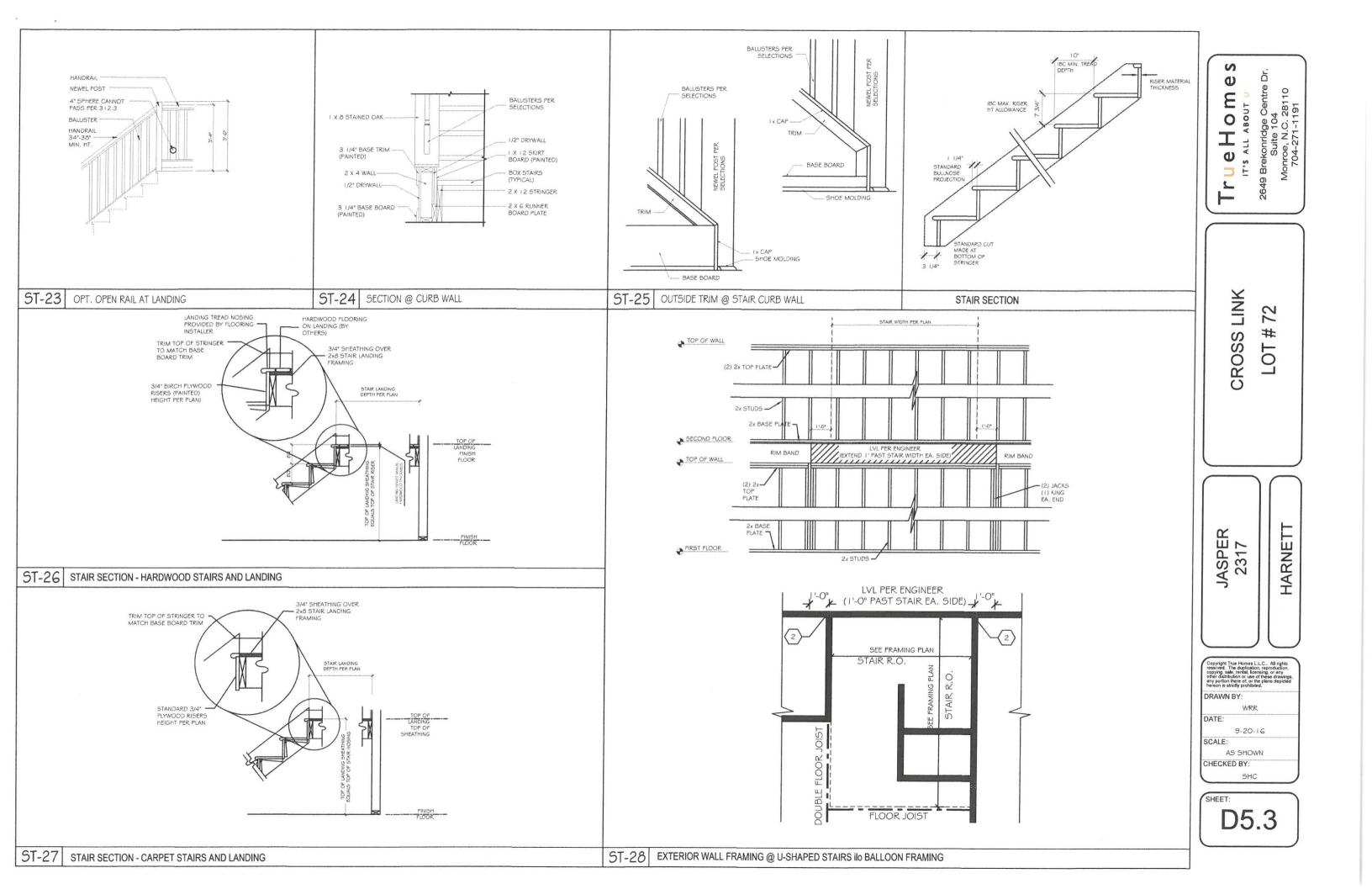
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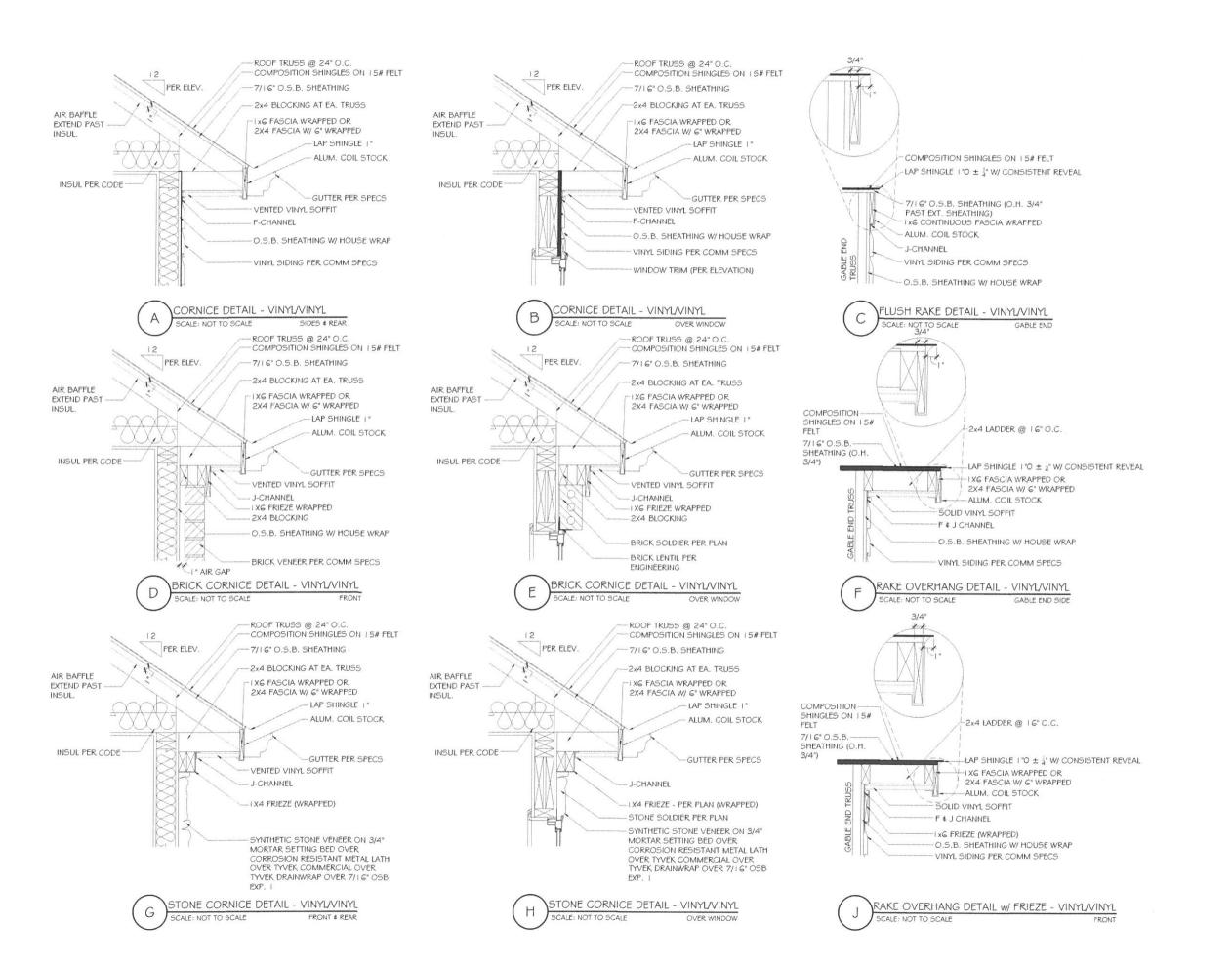
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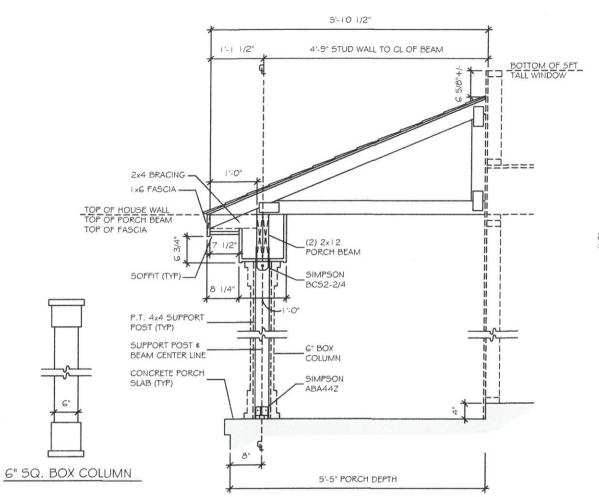
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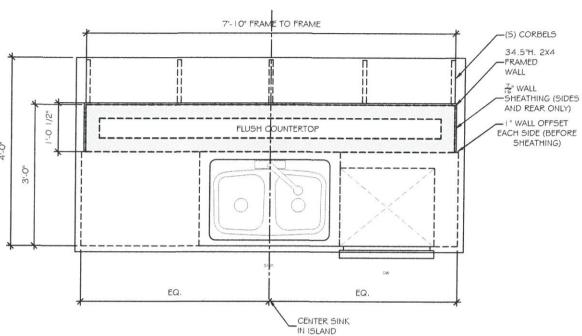
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BOX COLUMNS (5'-5" PORCH DEPTH)

6" BOX COLUMN SHOWN

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



KITCHEN ISLAND DETAIL

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Trenco

818 Soundside Rd Edenton, NC 27932

Re: 18101894

Lot-72-CLK/2317-Jasper-A2/RF

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision The Building Center. based on the parameters provided by

Pages or sheets covered by this seal: 134930338 thru 134930359

My license renewal date for the state of North Carolina is December 31, 2018.

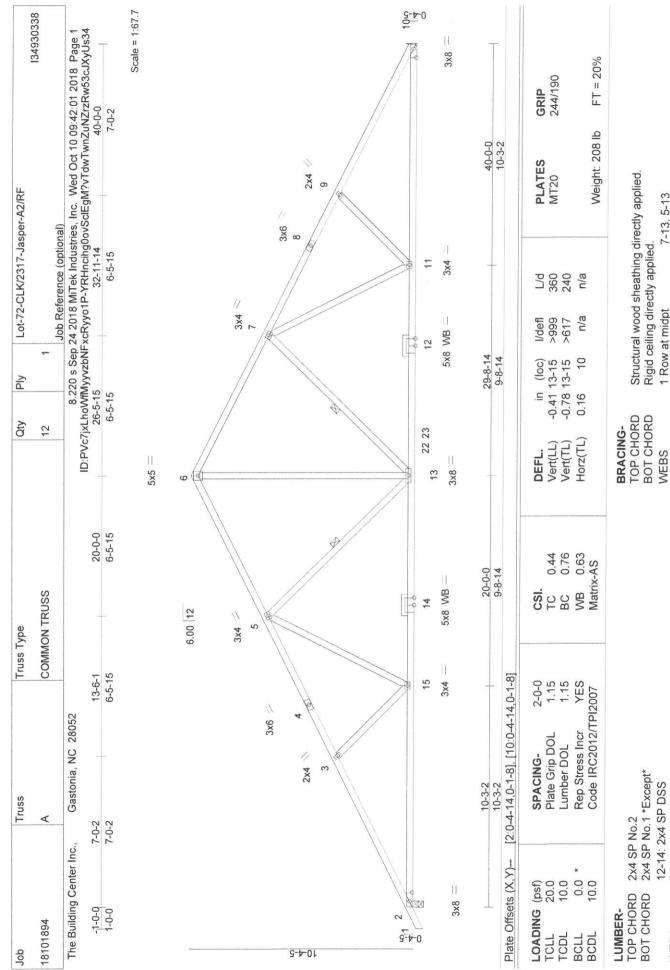
North Carolina COA: C-0844



October 10,2018

Johnson, Andrew

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.



LUMBER-TOP CHORD BOT CHORD

Structural wood sheathing directly applied. Rigid ceiling directly applied. 7-13, 5-13

2x4 SP No.2 2x4 SP No.1 *Except* 12-14: 2x4 SP DSS 2x4 SP No.3 2x4 SP No.3 WEBS OTHERS

REACTIONS.

(lb/size) 2=1660/0-3-8, 10=1600/Mechanical Max Horz 2=150(LC 10) Max Upliff 2=-165(LC 10), 10=-148(LC 11) Max Grav 2=1732(LC 2), 10=1681(LC 2)

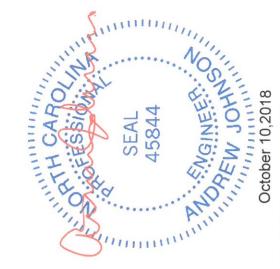
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-3182/588, 3-5=-2955/559, 5-6=-2133/476, 6-7=-2133/476, 7-9=-2957/560, 9-10=-3184/590

BOT CHORD 2-15=-448/2777, 13-15=-288/2325, 11-13=-289/2326, 10-11=-450/2780

WEBS 6-13=-261/1531, 7-13=-716/247, 7-11=-51/598, 9-11=-359/201, 5-13=-715/247, 5-15=-50/596, 3-15=-357/200

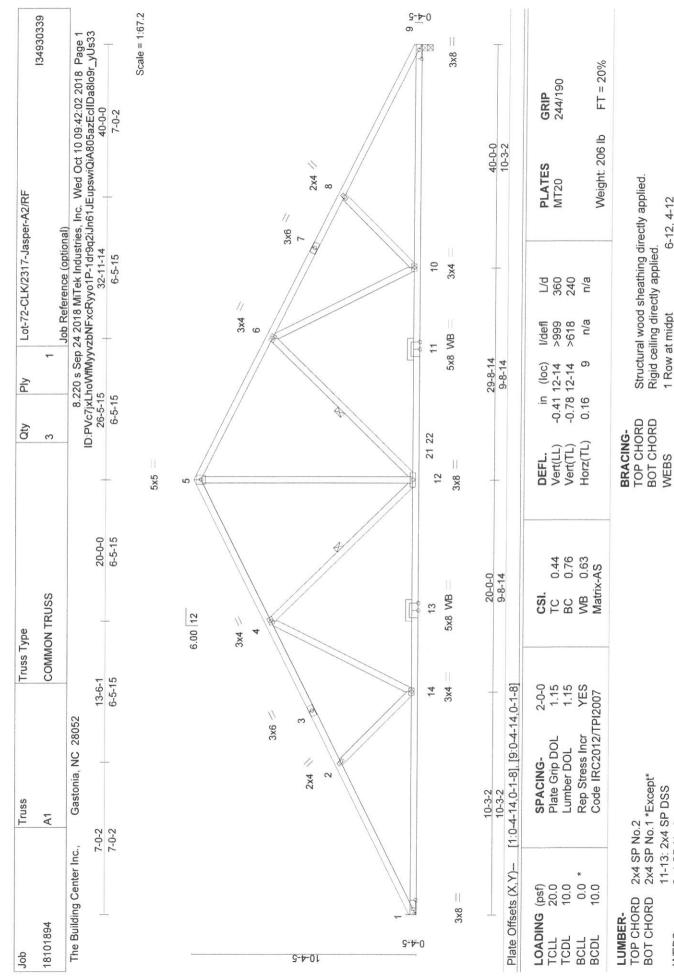
- Notes1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 5) Refer to girder(s) for truss to truss connections.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=165, 10=148.
 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the bottom chord.



MARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE
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2x4 SP No.2 2x4 SP No.1 *Except* 11-13: 2x4 SP DSS 2x4 SP No.3 2x4 SP No.3 LUMBER-TOP CHORD BOT CHORD

directly applied.

6-12, 4-12

Structural wood sheathing dira Rigid ceiling directly applied. 1 Row at midpt 6-

WEBS OTHERS

REACTIONS.

(lb/size) 1=1600/Mechanical, 9=1600/0-3-8 Max Horz 1=-137(LC 15) Max Uplift 1=-148(LC 10), 9=-148(LC 11) Max Grav 1=1682(LC 2), 9=1682(LC 2)

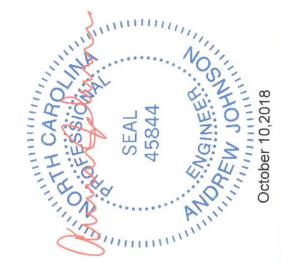
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-3185/590, 2-4=-2957/560, 4-5=-2134/476, 5-6=-2134/476, 6-8=-2957/560, 8-9=-3185/590

BOT CHORD 1-14=-450/2780, 12-14=-289/2326, 10-12=-289/2326, 9-10=-450/2780

5-12=-262/1532, 6-12=-716/247, 6-10=-51/598, 8-10=-359/201, 4-12=-716/247, 4-14=-51/598, 2-14=-359/201

Notes1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 1=148, 9=148.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the bottom chord.

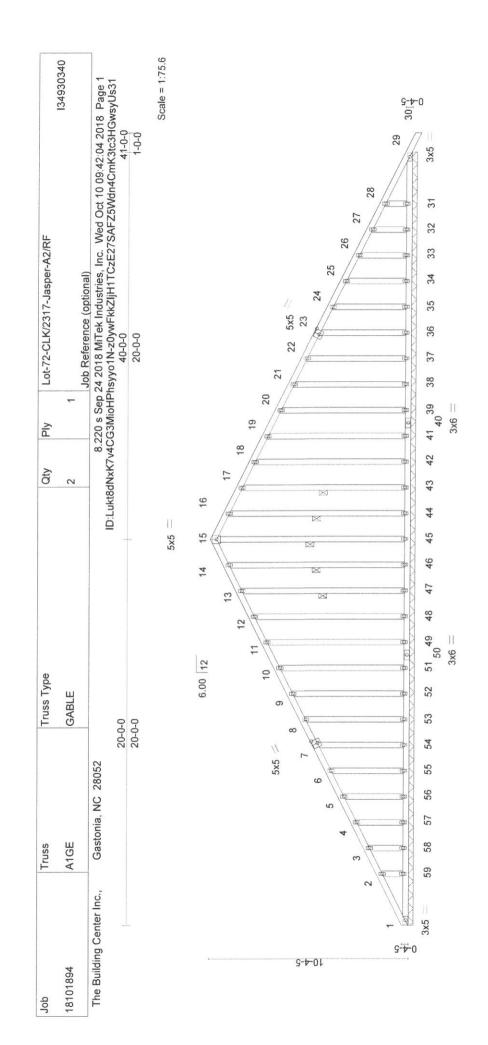


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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			40-0-0			
Plate Offsets (X,Y)-	Plate Offsets (X,Y)- [7:0-2-8,0-3-0], [23:0-2-8,0-3-0]					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2012/TPI2007	CSI. TC 0.08 BC 0.05 WB 0.10 Matrix-S	DEFL. in Vert(LL) -0.00 Vert(TL) 0.00 Horz(TL) 0.01	(loc) I/deff L/d 29 n/r 120 29 n/r 90 29 n/a n/a	PLATES MT20 Weight: 342 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3	No.2 No.2 No.3		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheati Rigid ceiling directly al 1 Row at midpt	Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. 15-45, 14-46, 13-47, 16-44, 17-43	oc purlins. 3-44, 17-43

REACTIONS. (lb) -

57, 58, All bearings 40-0-0.

Max Horz 1=-149(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 1, 46, 47, 48, 49, 51, 52, 53, 54, 55, 56, 8

42, 41, 39, 38, 37, 36, 35, 34, 33, 32, 31

Max Grav All reactions 250 lb or less at joint(s) 1, 45, 46, 47, 48, 49, 51, 52, 53, 54, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33, 32, 31, 29

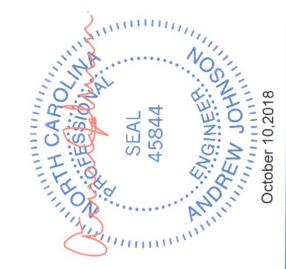
43,

59, 44,

58, 56, 57, 55,

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 14-15=-91/251, 15-16=-91/251

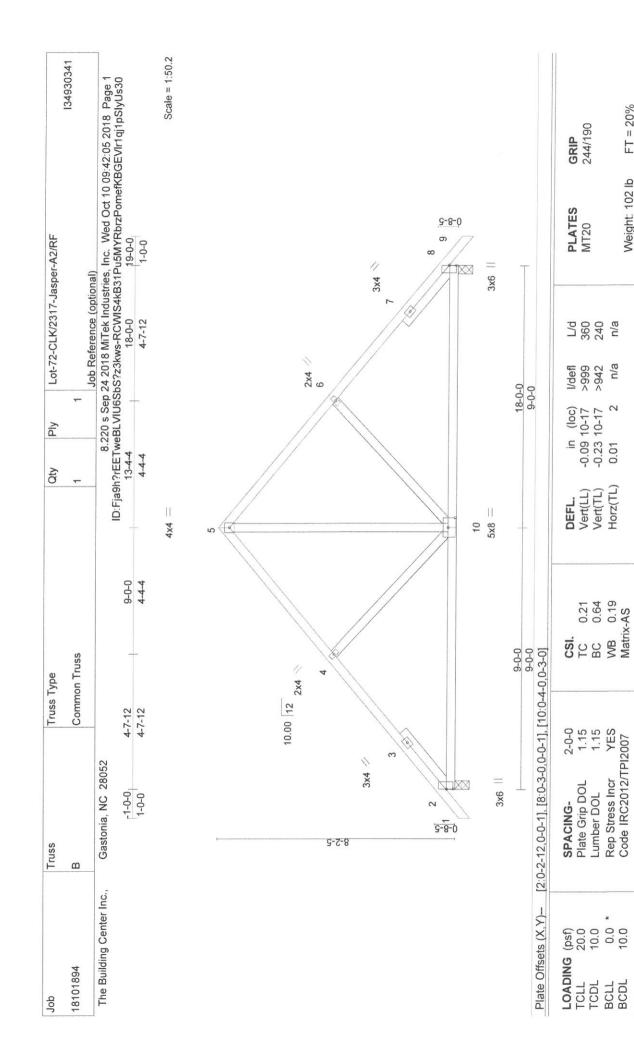
- NOTES-
- 1) Unbalanced roof live loads have been considered for this design.
 2) Whole and the second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 4) All plates are 2x4 MT20 unless otherwise indicated.
 5) Gable requires continuous bottom chord bearing.
 6) Gable studs spaced at 1-4-0 oc.
 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 46, 47, 48, 49, 51, 52, 53, 54, 55, 56, 57, 58, 59, 44, 43, 42, 41, 39, 38, 37, 36, 33, 33. 31.



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2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0 LUMBER-TOP CHORD BOT CHORD WEBS SLIDER

FT = 20%

Weight: 102 lb

Structural wood sheathing directly applied. Rigid ceiling directly applied.

BRACING-TOP CHORD BOT CHORD

0.21 0.64 0.19 -AS

(lb/size) 2=780/0-3-8, 8=780/0-3-8 Max Horz 2=169(LC 9) Max Upliff 2=-68(LC 10), 8=-68(LC 11) REACTIONS.

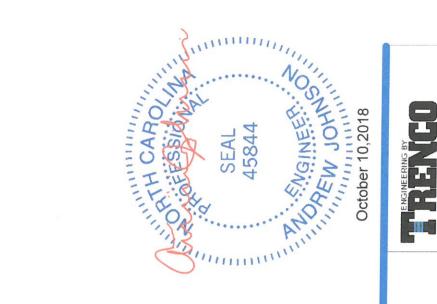
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-716/145, 4-5=-656/157, 5-6=-656/157, 6-8=-716/145 BOT CHORD 2-10=-86/626, 8-10=-14/590 S-10=-96/510

NOTES-

- Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0
- between the bottom chord and any other members.

 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.

 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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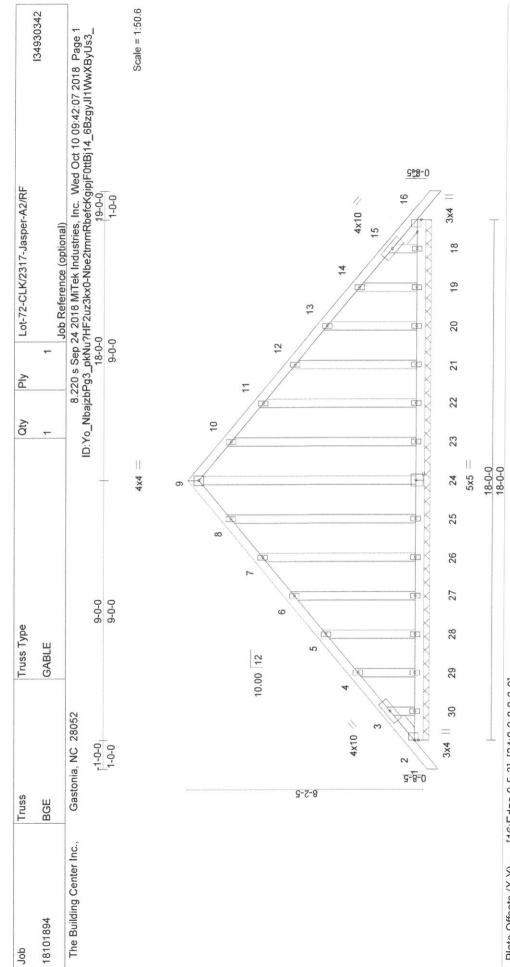


Plate Offsets (X,Y)	[16:Edge,0-5-3], [24:0-2-8,0-3-0]	3-0]								
LOADING (psf)	SPACING- 2-(0-0	CSI.	DEFL	.=	(loc)	l/defl	P/1	PI ATES	diag
TCLL 20.0		15	TC 0.07	Vert(LL)	-000	17	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.	1.15	BC 0.03	Vert(TL)	000	17	n/r	06	07	200
BCLL 0.0 *	Rep Stress Incr YI	YES	WB 0.15	Horz(TL)	000	16	r/u	e/u		
BCDL 10.0	Code IRC2012/TPI2007	7(Matrix-S	1)	5	5	Weight: 148 lb	FT = 20%
									2. 2	

LUMBER-TOP CHORD BOT CHORD

2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Left 2x4 SP No.2 1-1-8, Right 2x4 SP No.2 1-1-8

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

OTHERS SLIDER

REACTIONS.

All bearings 18-0-0.

Max Horz 2=-169(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20, 19, 18

Max Grav All reactions 250 lb or less at joint(s) 2, 16, 24, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20,

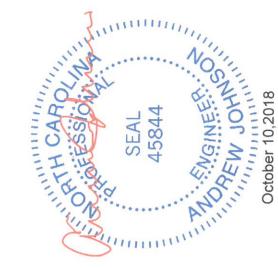
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown FORCES.

48

19,

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 4) All plates are 2x4 MT20 unless otherwise indicated.
 5) Gable requires continuous bottom chord bearing.
 6) Gable studs spaced at 1.4-0 oc.
 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20, 19, 18.

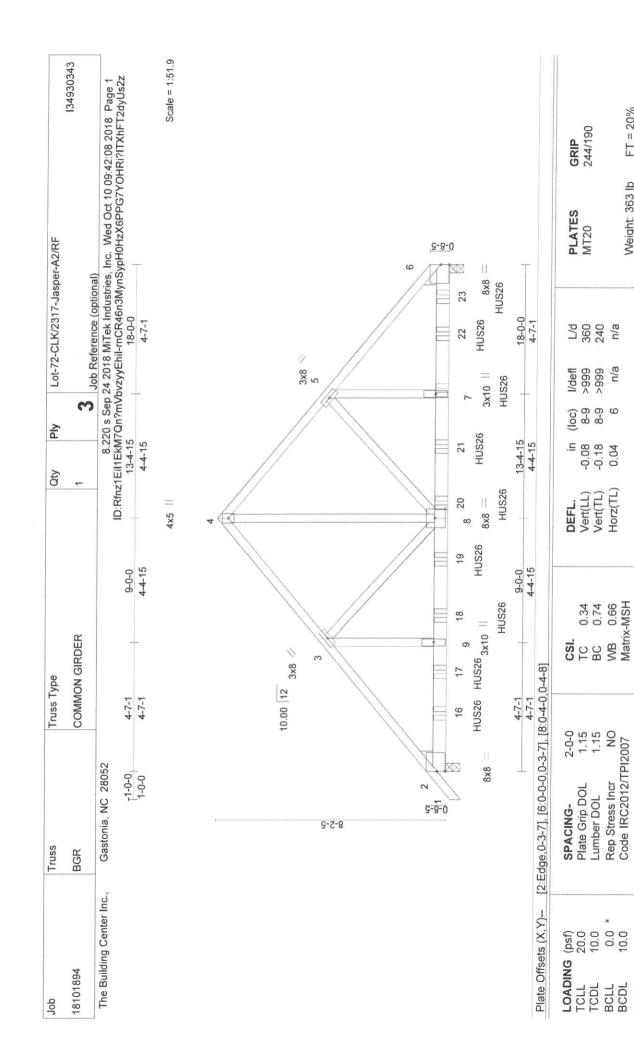


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2x4 SP No.2 2x6 SP No.1 2x4 SP No.3 *Except* 4-8: 2x4 SP No.2 LUMBER-TOP CHORD BOT CHORD WEBS

FT = 20%

Weight: 363 lb

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

BRACING-TOP CHORD BOT CHORD

WEDGE Left: 2x6 SP No.2, Right: 2x6 SP No.2

(lb/size) 6=8189/0-3-8, 2=7450/0-3-8 Max Horz 2=163(LC 7) Max Upliff 6=-679(LC 9), 2=-630(LC 8) Max Grav 6=8493(LC 2), 2=7700(LC 2) REACTIONS.

3-9=-265/3755 FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-9496/780, 3-4=-6558/611, 4-5=-6561/611, 5-6=-9580/785

BOT CHORD 2-9=-624/7214, 8-9=-624/7214, 7-8=-557/7291, 6-7=-557/7291

WEBS 4-8=-689/8072, 5-8=-3123/374, 5-7=-274/3860, 3-8=-3018/364, 3-9=-26

NOTES-

- 1) 3-Dly truss to be connected together with 10d (0.148"x3") nails as follows:

 Top chords connected as follows: 2x4 1 row at 0-9-0 oc.

 Bottom chords connected as follows: 2x4 1 row at 0-9-0 oc.

 Bottom chords connected as follows: 2x4 1 row at 0-9-0 oc.

 Webs connected as follows: 2x4 1 row at 0-9-0 oc.

 Vebs connected as follows: 2x4 1 row at 0-9-0 oc.

 2) All loads are considered equally applied to all piles, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

 3) Unbalanced roof live loads have been considered for this design.

 4) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35f; cat. II; Exp B; Enclosed; WWFRS (envelope) gable end zone; cantilever left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33

 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=Ib) 6=679, 2=630.

 8) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 16-10-4 to connect truss(es) to front face of bottom chord.

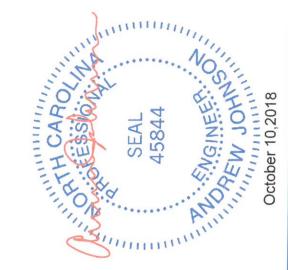
 9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

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Job	Truss	Truss Type	Qty	Ply	Lot-72-CLK/2317-Jasper-A2/RF	
18101894	BGR	COMMON GIRDER	-	C	134930343	
				2	Job Reference (optional)	
The Building Center Inc.,	Gastonia, NC 28052		ID:Rfnz1Eil1E	8.220 s Set :kM7Qn?m\	8.220 s Sep 24 2018 MiTek Industries, Inc. Wed Oct 10 09:42:08 2018 Page 2 ID:Rfnz1Eil1EkM7Qn?mVbvzyyEhil-rnCR46n3MynSypH0HzX6PPG7YOHRi?ITXhFT2dyUs2z	1

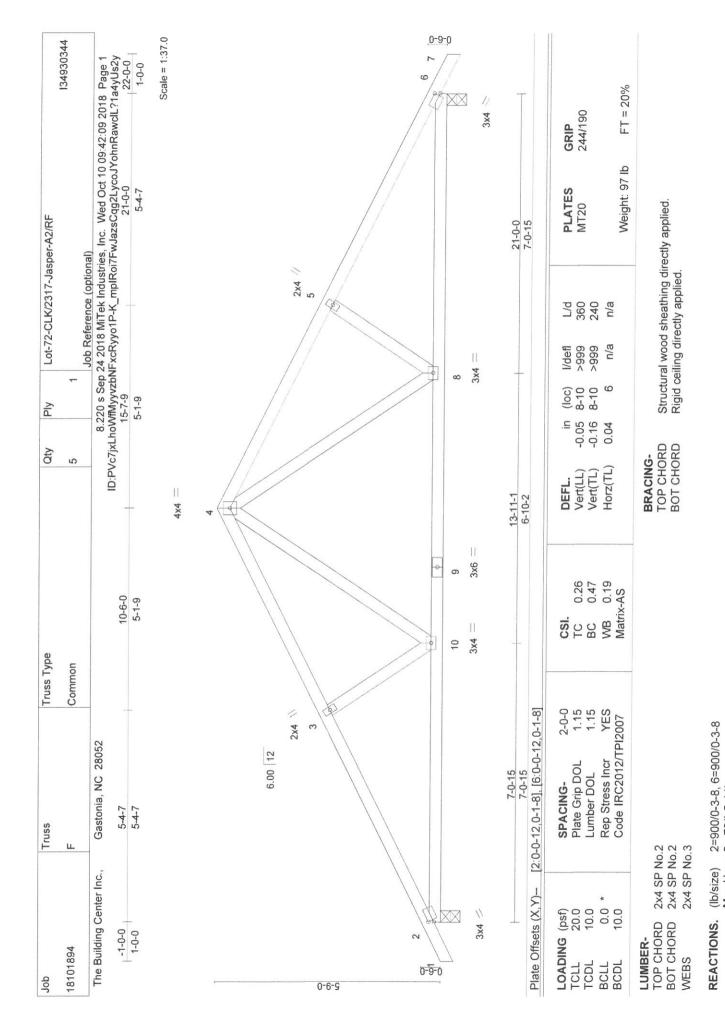
LOAD CASE(S) Standard
Uniform Loads (plf)
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 10-13=-20
Concentrated Loads (lb)
Vert: 7=-1572(F) 16=-1571(F) 17=-1571(F) 19=-1571(F) 20=-1571(F) 21=-1571(F) 22=-1572(F)

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(lb/size) 2=900/0-3-8, 6=900/0-3-8 Max Horz 2=-79(LC 11) Max Upliff 2=-94(LC 10), 6=-94(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1407/283, 3-4=-1244/290, 4-5=-1244/290, 5-6=-1407/283 BOT CHORD 2-10=-166/1198, 8-10=-44/815, 6-8=-166/1198 4-8=-73/456, 5-8=-294/156, 4-10=-73/456, 3-10=-294/156

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.

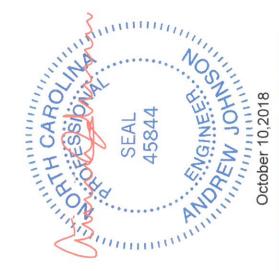
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

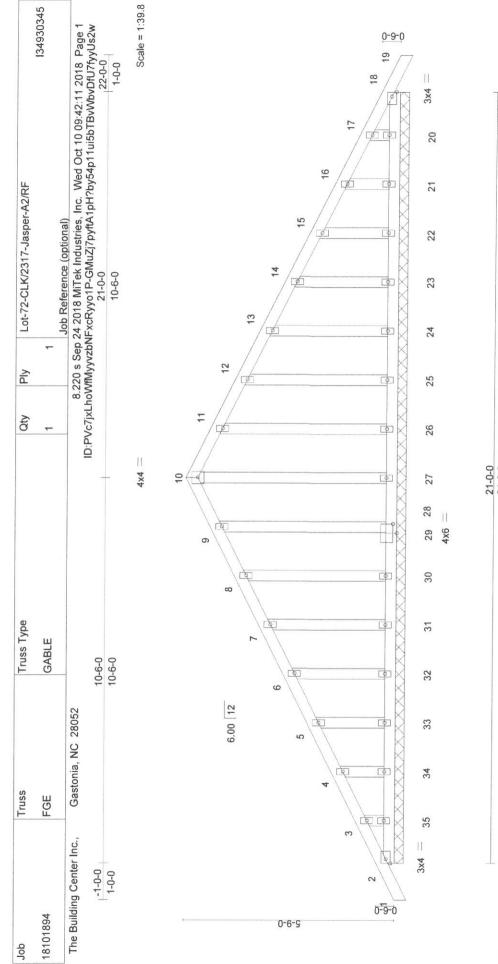
 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



USE A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USS Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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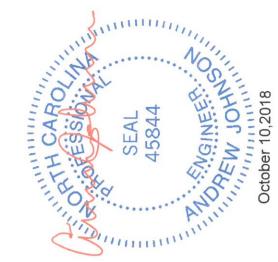
				0-0-17							
				21-0-0							
Plate Offsets (X Y)	Plate Offsets (X V) = [28.0-1-12.0-0-0] [29:0-3-0.0-1-4] [29:0-0.0	0.1 11 120.0	10000								
	120.0-0, [20.0-0, [20.0-0]	10-1-1, 120.	7-1-0,0-0-1								
											H
LOADING (psf)	SPACING-	2-0-0	CSI	חדדו	2.	(100)	1/408	7/-	SULF		
- TOF		1		i		000	= 000	2	S I A I L	פאב	
1 CLL 20.0	Plate Grip DOL	1.15	TC 0.07	Vert(II)	000-	10	n/r	120	MTOO	001/11/00	
O O T		L		(11):0:	9	2	1/11	04	101 120	744/180	
10.0	Lumber DUL	1.15	BC 0.03	Vert(TL)	00.0	0	n/r	06			
* 00	Don Chross Inc.	CL/	-)			
0.0	שניים משע	し口い	WB 0.05	Horz(IL)	0.00	00	מ/ב	מ/ט			
700	Code IDC2012/TBI20	200	C				5	5			
200	ZILIZIOZONI DDOO	/00	Wiatrix-0						Weight: 130 lb	FT = 20%	

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. BRACING-TOP CHORD BOT CHORD

All bearings 21-0-0. Max Horz 2=-79(LC 11) Max Uplift All uplift 100 lb or less at joint(s) 2, 28, 30, 31, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20, 18 Max Grav All reactions 250 lb or less at joint(s) 2, 27, 28, 30, 31, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 8 REACTIONS.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. FORCES.

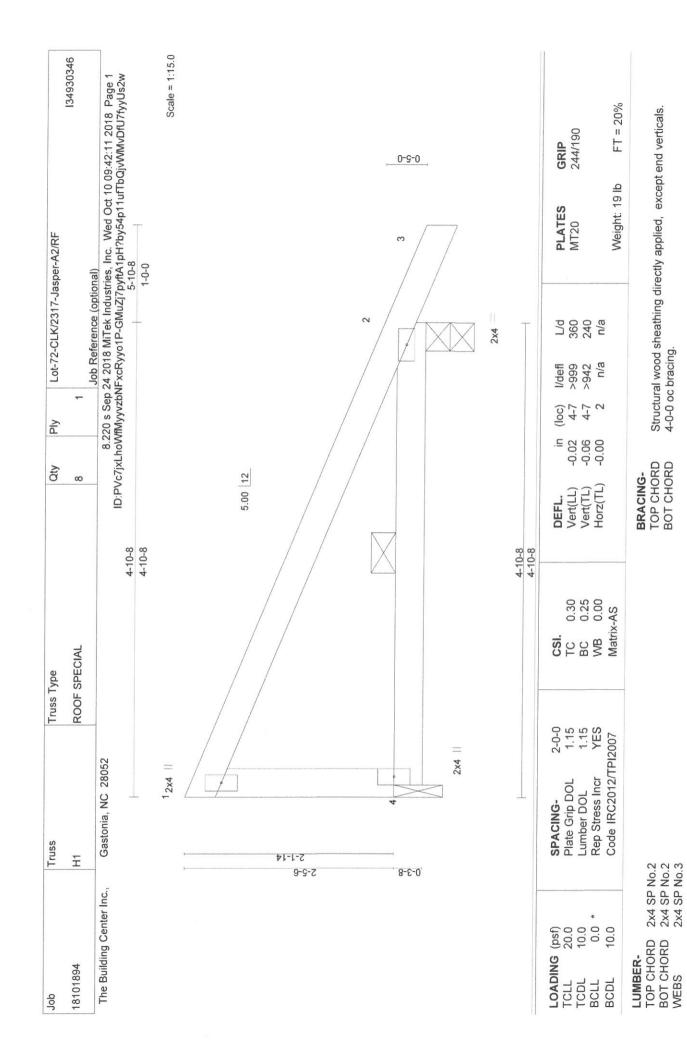
- NOTES1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 4) All plates are 2x4 MT20 unless otherwise indicated.
 5) Gable requires continuous bottom chord bearing.
 6) Gable studs spaced at 1-4-0 oc.
 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 8) *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 30, 31, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20, 18.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSIMPI Quality Criteria, DSB-89 and BCSI Building Con Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





(lb/size) 2=256/0-3-8, 4=183/0-1-8 Max Horz 4=-74(LC 11) Max Uplift 2=-32(LC 11), 4=-40(LC 11) REACTIONS.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. FORCES.

NOTES-

- NWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; h=35ft; Cat. II; Exp B; Enclosed; NWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

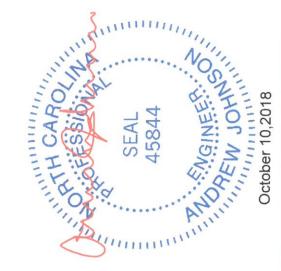
 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.

 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord.

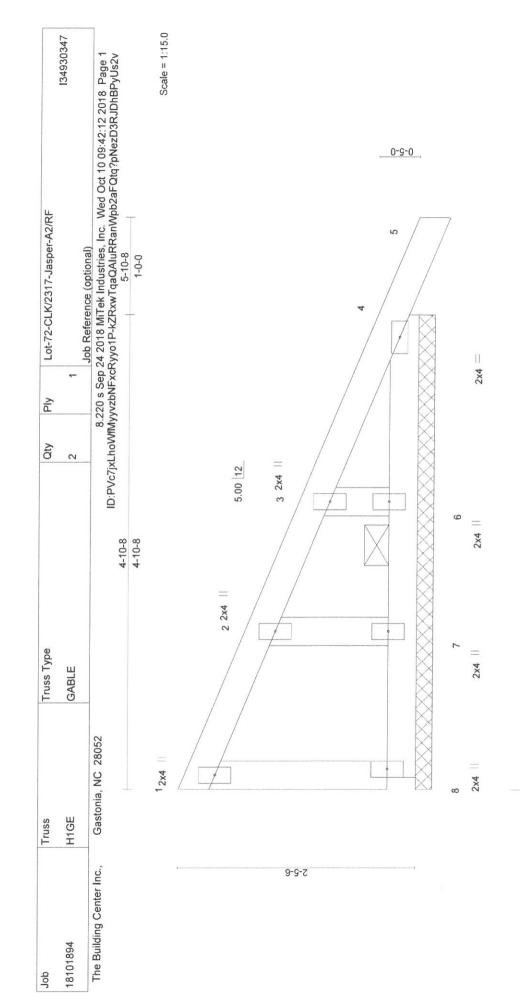


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2012/TPI2007	CSI. TC 0.07 BC 0.03 WB 0.03 Matrix-P	DEFL. Vert(LL) Vert(TL) Horz(TL)	in 0.00 0.00 0.00	(loc) // 5 4 4	/defl n/r n/r n/a	120 90 n/a	PLATES MT20 Might: 22 lb	GRIP 244/190 ET – 2007	
								VVCIBILIT. 44 1D	0/07	

2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 LUMBER-TOP CHORD BOT CHORD WEBS OTHERS

Structural wood sheathing directly applied or 4-10-8 oc purlins, except end verticals.
4-0-0 oc bracing.

BRACING-TOP CHORD

BOT CHORD

All bearings 4-10-8.

Max Horz 8=-74(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 8, 4, 7, 6

Max Grav All reactions 250 lb or less at joint(s) 8, 4, 7, 6

REACTIONS. (Ib) -

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. FORCES.

- NWIESS (envelope) gable end zone and C-C Exterior(2)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

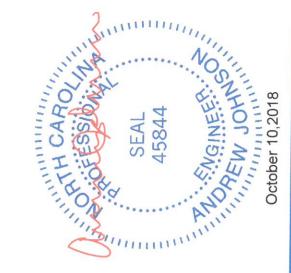
 3) Gable requires continuous bottom chord bearing.

 4) Gable studs spaced at 1-4-0 oc.

 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

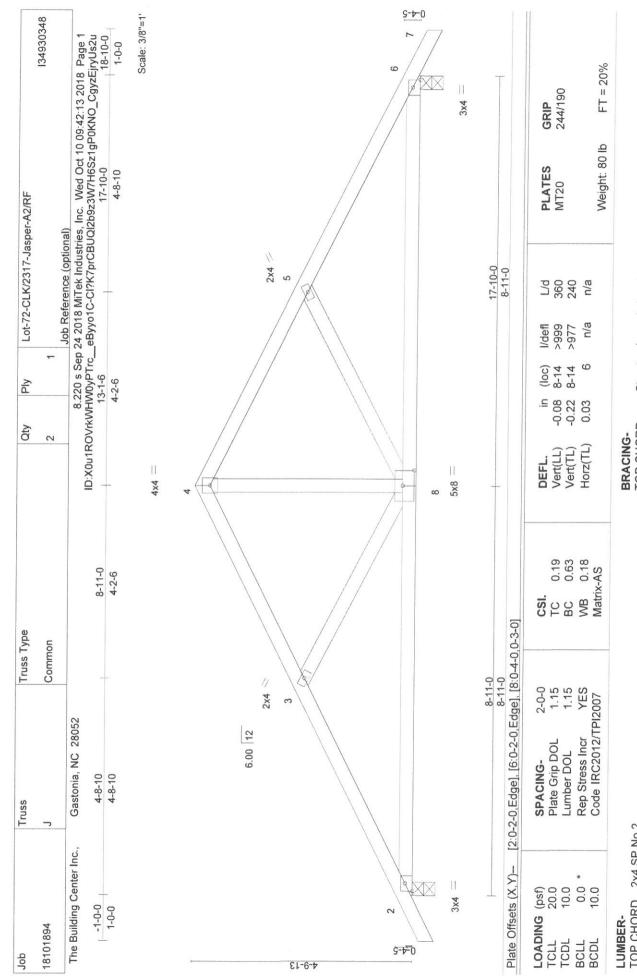
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 4, 7, 6.



MARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied. Rigid ceiling directly applied.

(lb/size) 2=773/0-3-8, 6=773/0-3-8 Max Horz 2=68(LC 14) Max Upliff 2=-84(LC 10), 6=-84(LC 11) REACTIONS.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1121/261, 3-4=-845/193, 4-5=-845/193, 5-6=-1121/261

BOT CHORD 2-8=-152/958, 6-8=-152/958

WEBS 4-8=-56/460, 5-8=-305/152, 3-8=-305/152

NOTES-

1) Unbalanced roof live loads have been considered for this design.

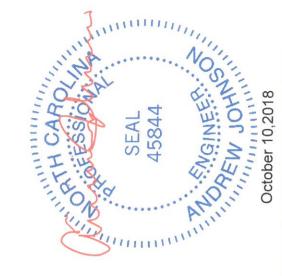
2) Winds ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

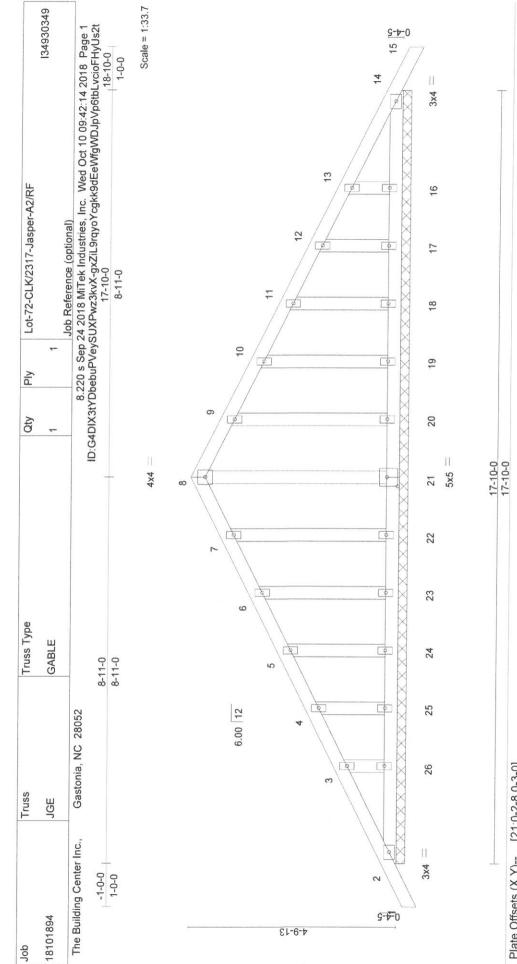
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE
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			0-0/						
[21:0-2-8,0-3-0]									
SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 7ES	CSI. TC 0.07 BC 0.03 WB 0.03	DEFL. Vert(LL) Vert(TL) Horz(TL)	ni 0.00 0.00 0.00	(loc) 1, 14 15	/defl n/r n/r n/a	1/d 120 90 n/a	PLATES MT20	GRIP 244/190
Code IRC2012/TPI2	2007	Matrix-S						Weight: 100 lb	FT = 20%

REACTIONS.
(Ib) -

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

BRACING-TOP CHORD BOT CHORD

All bearings 17-10-0.

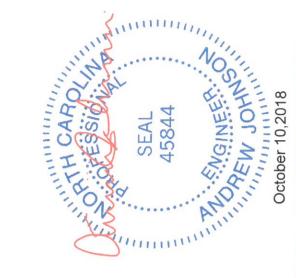
Max Horz 2=-68(LC 15)

Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 23, 24, 25, 26, 20, 19, 18, 14, 17, 16

Max Grav All reactions 250 lb or less at joint(s) 2, 21, 22, 23, 24, 25, 26, 20, 19, 18, 14, 17, 17, 17, 17, 17, 18

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. FORCES.

- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 4) All plates are 2x4 MT20 unless otherwise indicated.
 5) Gable requires continuous bottom chord bearing.
 6) Gable requires continuous bottom chord bearing.
 7) This truss has been designed for a 10.0 psf bottom chord live load on concert russ to bearing walls due to UPLIFT at jt(s) 2, 22, 23, 24, 25, 26, 20, 19, 18, 14, 17, and 16. This connection is for uplift only and does not consider lateral forces.

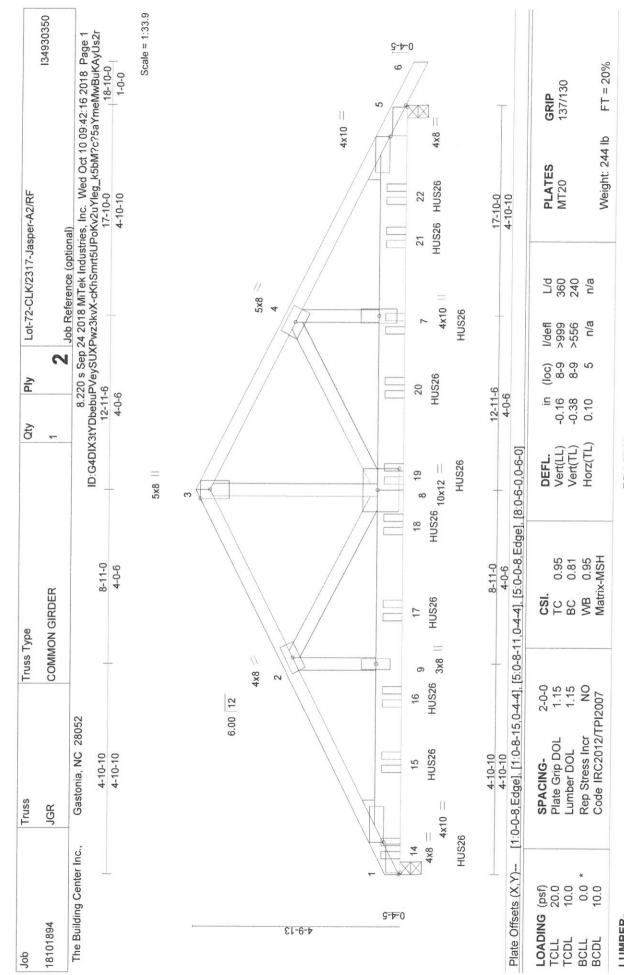


MARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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LUMBER-TOP CHORD

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 2-1-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD WEBS

2x4 SP No.1 *Except*
3-6: 2x4 SP DSS
1-1/2X7-1/4 LP-LSL TC 1.75E
2x4 SP No.3 *Except*
3-8: 2x4 SP No.1

WEDGE Left: 2x4 SP No.3, Right: 2x4 SP No.3

(lb/size) 1=9012/0-3-8, 5=8600/0-3-8 Max Horz 1=-75(LC 9) Max Uplift 1=-785(LC 8), 5=-794(LC 9) Max Grav 1=9332(LC 2), 5=8853(LC 2) REACTIONS.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-15177/1299, 2-3=-10933/967, 3-4=-10933/969, 4-5=-15893/1390

BOT CHORD 1-9=-1164/13556, 8-9=-1164/13556, 7-8=-1179/14207

WEBS 3-8=-794/9492, 4-8=-5149/528, 4-7=-364/4587, 2-8=-4396/430, 2-9=-276/3911

NOTES-

- 1) 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:

 Topy truss to be connected as follows: 2x4 1 row at 0.4-0 oc.

 Bottom chords connected as follows: 2x4 1 row at 0.4-0 oc.

 Bottom chords connected as follows: 1-1/2x7-1/4 2 rows staggered at 0-3-0 oc.

 Bottom chords connected as follows: 1-1/2x7-1/4 2 rows staggered at 0-3-0 oc.

 Webs connected as follows: 2x4 1 row at 0.9-0 oc.

 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to all plies, except if noted as (F) or (B), unless otherwise indicated.

 3) Unbalanced roof live loads have been considered for this design.

 4) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; BCDL=5.0psf; Cat. II; Exp B; Enclosed; Whid: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; BCDL=1.33

 5) The solid section of the plate is required to be placed over the splice line at joint(s) 8.

 6) Plate(s) at joint(s) 8 checked for a plus or minus 1 degree rotation about its center.

 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

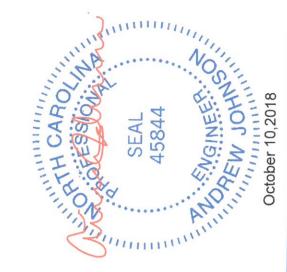
 9) Provide an experience of the plate is required to be already plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) and the connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) and the connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) and the load of 20.0psf on the load of 20.0psf on

- 10) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-7-4 from the left end to 15-9-4 to connect truss(es) to front face of bottom chord.
 11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

10/03/2015 BEFORE USE ARARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE
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Lot-72-CLK/2317-Jasper-A2/RF	134930350	4. Job Reference (optional) 8.220 s Sep 24 2018 MiTek Industries, Inc. Wed Oct 10 09:42:16 2018 Page 2 ID:G4DIX3tYDbebuPVeySUXPwz3kvX-cKhSmrt5UPoKv2uYleg_k5bM?c?5aYmeMwBuKAyUs2r
Lot-72-CLK/23		 Job Reference (optional) p 24 2018 MiTek Industries, JXPwz3kvX-cKhSmrt5UPoK,
Ply	0	.220 s Sep
Qty	~	8 IX3tYDbek
Truss Type	COMMON GIRDER	D:CI
Truss	JGR	Gastonia, NC 28052
Job	18101894	The Building Center Inc.,

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert. 1-3=-60, 3-6=-60, 1-5=-20

Concentrated Loads (lb)

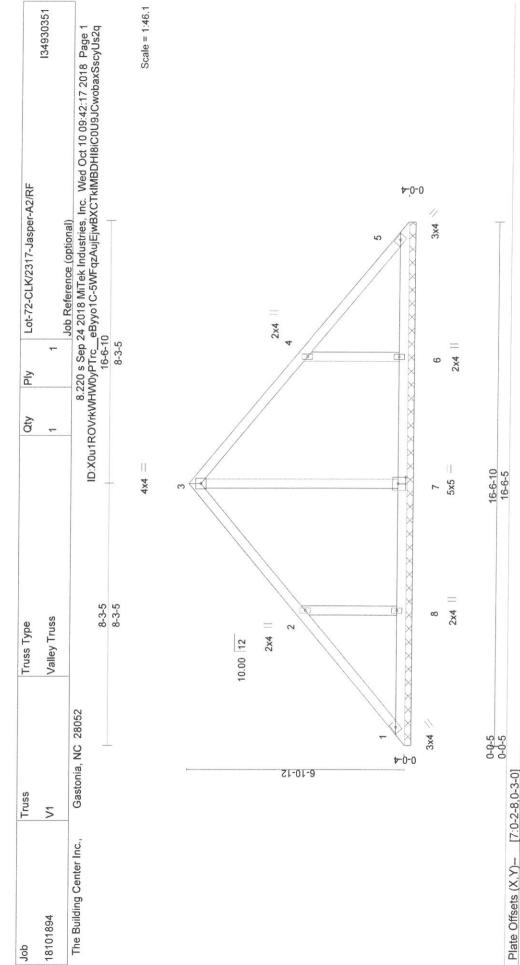
Vert. 7=-1641(F) 14=-1577(F) 15=-1572(F) 16=-1572(F) 18=-1641(F) 19=-1641(F) 20=-1641(F) 21=-1641(F)

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LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *		CSI. TC 0.22 BC 0.18 WB 0.12	DEFL. Vert(LL) Vert(TL) Horz(TL)	in (lo n/a n/a 0.00	(loc) I/defl - n/a - n/a 5 n/a	999 999 099	PLATES MT20
10.0	Code IRC2012/TPI2007	Matrix-S					Weight: 73 lk

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 Rigid ceiling directly applied or 10-0-0 oc bracing.

oc purlins.

FT = 20%

GRIP 244/190

All bearings 16-6-0.

Max Horz 1=-133(LC 6)

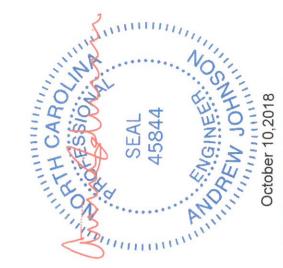
Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-161(LC 10), 6=-161(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=358(LC 20), 8=450(LC 17), 6=450(LC 18) REACTIONS. (lb) -

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when show 2-8=-297/198, 4-6=-296/198 FORCES. WEBS

NOTES-

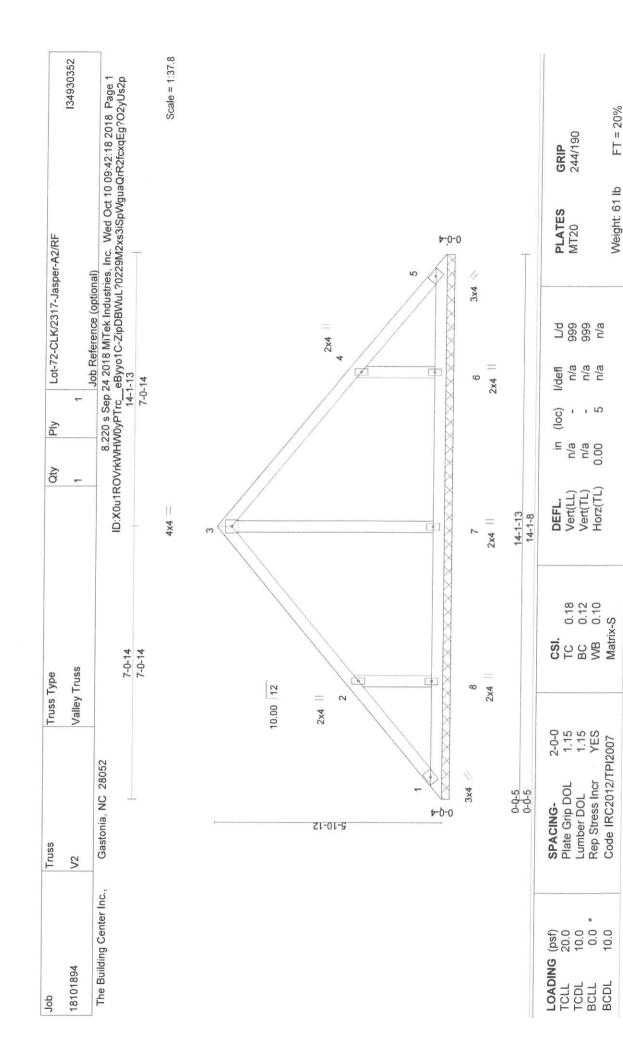
- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Gable requires continuous bottom chord bearing.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=161, 6=161.



A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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LUMBER-TOP CHORD BOT CHORD OTHERS

2x4 SP No.2 2x4 SP No.2 2x4 SP No.3

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

FT = 20%

Weight: 61 lb

REACTIONS. All bearings 14-1-3.

(lb) - Max Horz 1=112(LC 7)

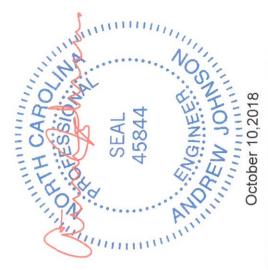
Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-139(LC 10), 6=-139(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=334(LC 17), 6=334(LC 18)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-8=-258/174, 4-6=-258/174 FORCES. WEBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Gable requires continuous bottom chord bearing.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=139, 6=139.

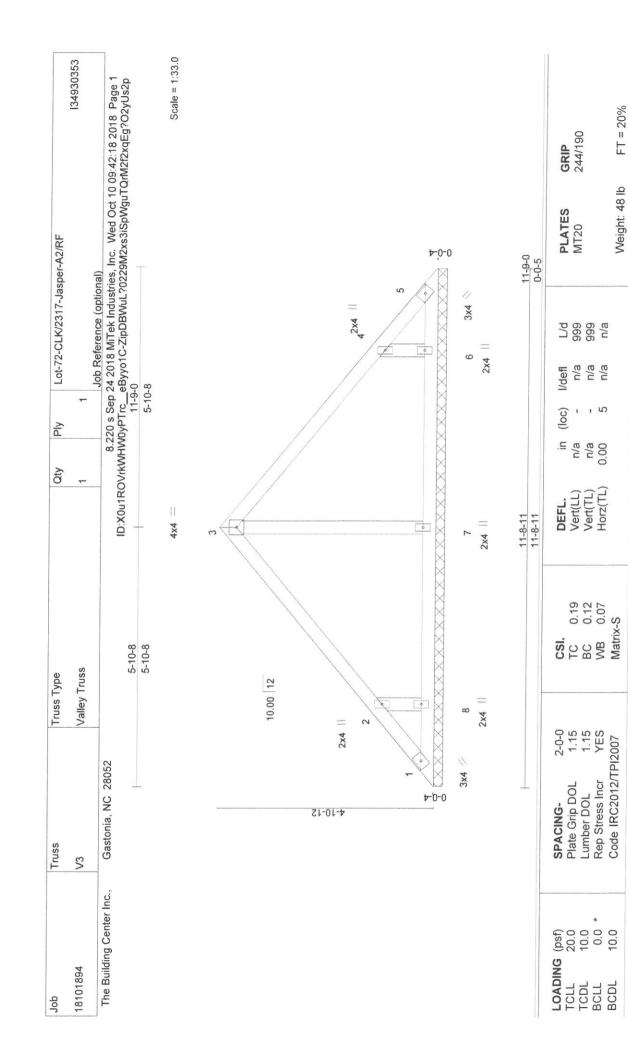


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSIMPIN Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





REACTIONS.

FT = 20%

Weight: 48 lb

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

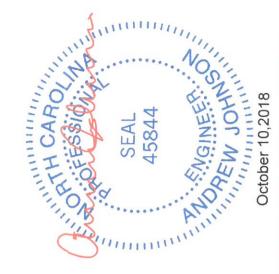
BRACING-TOP CHORD BOT CHORD

MS. All bearings 11-8-6.
 (lb) - Max Horz 1=-92(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-133(LC 10), 6=-132(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=309(LC 17), 6=309(LC 18)

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown FORCES.

NOTES.

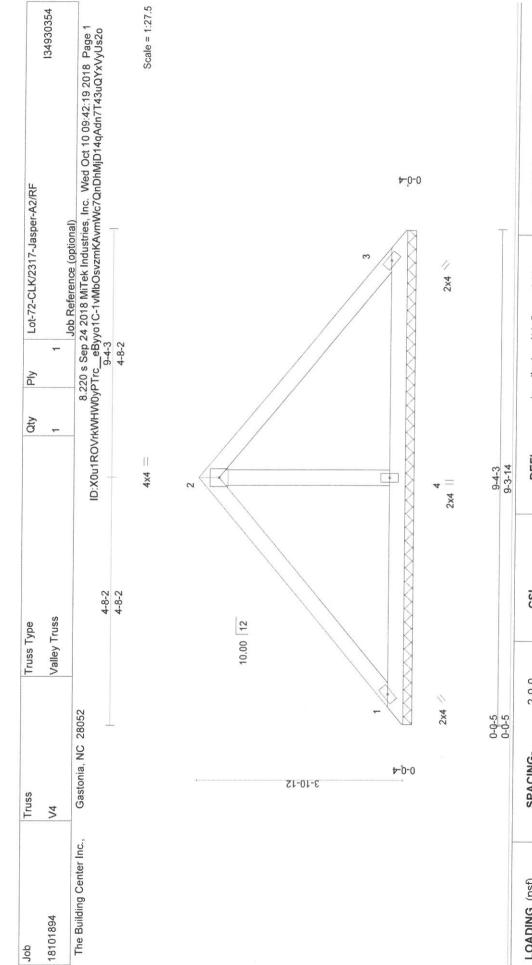
- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cartillever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Gable requires continuous bottom chord bearing.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=133, 6=132.



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	GRIP 244/190	lb $FT = 20\%$
T	PLATES MT20	Weight: 35 lb
	1/q 986 986 986	
	l/defl n/a n/a n/a	
	(loc)	
	in n/a n/a 0.00	
9-4-3	DEFL. Vert(LL) Vert(TL) Horz(TL)	
	CSI. TC 0.26 BC 0.18 WB 0.06	Matrix-S
	2-0-0 1.15 1.15 YES	12007
0-0-5	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	Code IRC2012/1 PI2007
	LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

BRACING-TOP CHORD BOT CHORD

(lb/size) 1=181/9-3-10, 3=181/9-3-10, 4=322/9-3-10 Max Horz 1=72(LC 7) Max Uplift 1=-23(LC 11), 3=-32(LC 11), 4=-3(LC 10)

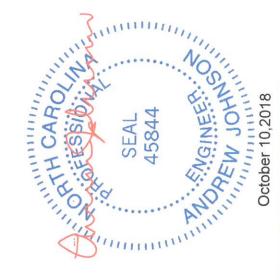
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown FORCES.

- NUMBARS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

 3) Gable requires continuous bottom chord bearing.

 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

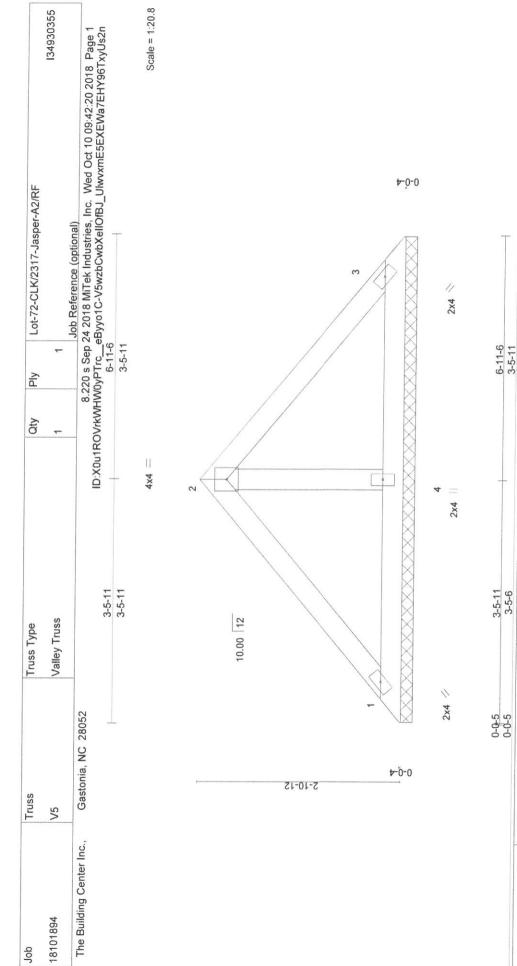


ARARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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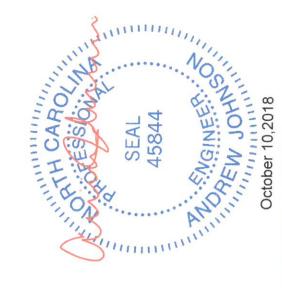


	G 24	Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.
6-11-6 3-5-11	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 3 n/a n/a	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
3-5-11 3-5-6	CSI. TC 0.18 BC 0.10 WB 0.03 Matrix-P	
9-0-0 9-0-0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2012/TPI2007	No.2 No.2 No.3
	LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3

(lb/size) 1=141/6-10-13, 3=141/6-10-13, 4=210/6-10-13 Max Horz 1=52(LC 7) Max Upliff 1=-24(LC 11), 3=-30(LC 11) REACTIONS.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown FORCES.

- NOTES1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; NWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Gable requires continuous bottom chord bearing.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

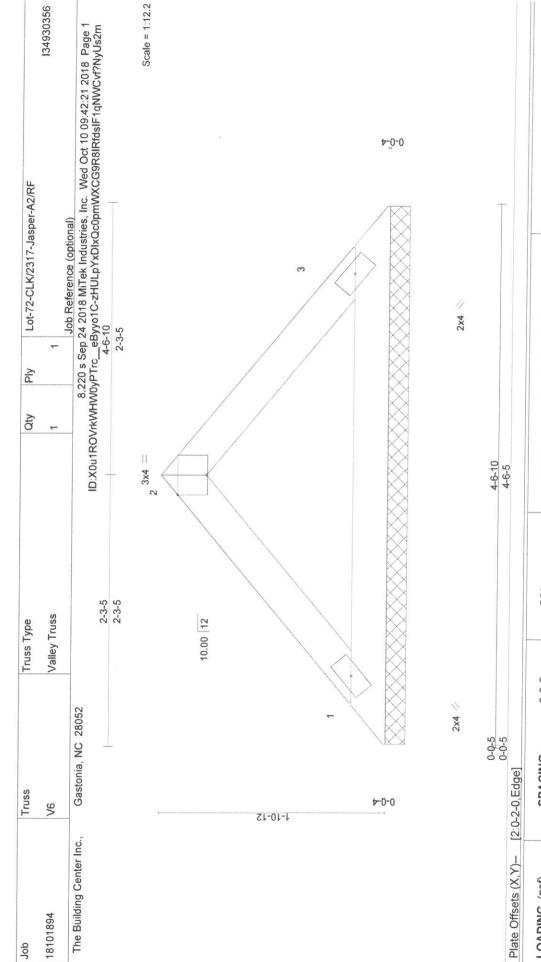


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE US.

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ANSIMPLI Quality Criteria, DSB-89 and BCSI Building Co





		d PLATES GRIP 9 MT20 244/190 9
		la 999 //a 999 //a 999 //a //a //a //a //
) I/defl - n/a - n/a 3 n/a
		in (loc) n/a - n/a -
4-0-10 A & E	P-	DEFL. Vert(LL) Vert(TL) Horz(TL)
		CSI. TC 0.06 BC 0.17 WB 0.00
		2-0-0 1.15 1.15 YES
0-0-2	[2:0-2-0,Edge]	SPACING- 2-0-(Plate Grip DOL 1.16 Lumber DOL 1.16 Rep Stress Incr YES
	Plate Offsets (X,Y)-	LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *

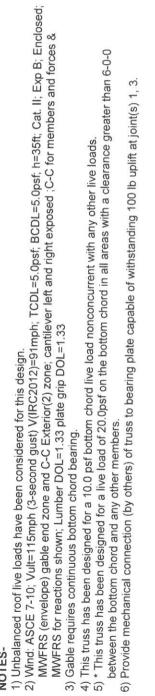
2x4 SP No.2 2x4 SP No.2 LUMBER-TOP CHORD BOT CHORD

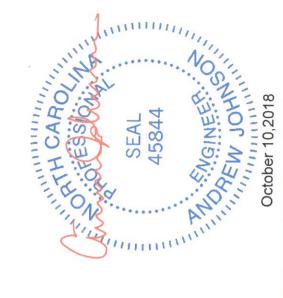
BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 4-6-10 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

(lb/size) 1=150/4-6-0, 3=150/4-6-0 Max Horz 1=32(LC 9) Max Upliff 1=-11(LC 10), 3=-11(LC 11) REACTIONS.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown FORCES.

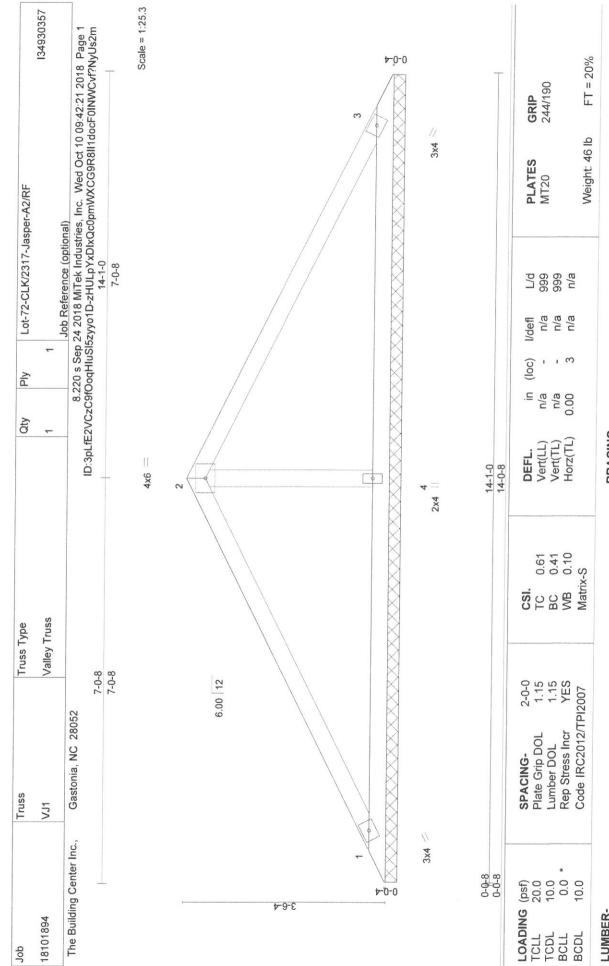




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BRACING-TOP CHORD BOT CHORD

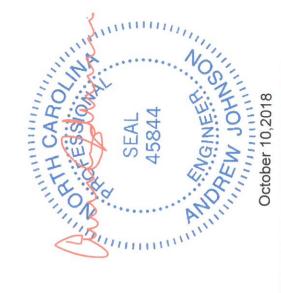
Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

(lb/size) 1=234/14-0-0, 3=234/14-0-0, 4=558/14-0-0 Max Horz 1=-44(LC 15) Max Uplift 1=-38(LC 10), 3=-46(LC 11), 4=-19(LC 10) Max Grav 1=236(LC 21), 3=236(LC 22), 4=558(LC 1) REACTIONS.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-4=-370/144 FORCES.
WEBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Gable requires continuous bottom chord bearing.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 6) * Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.

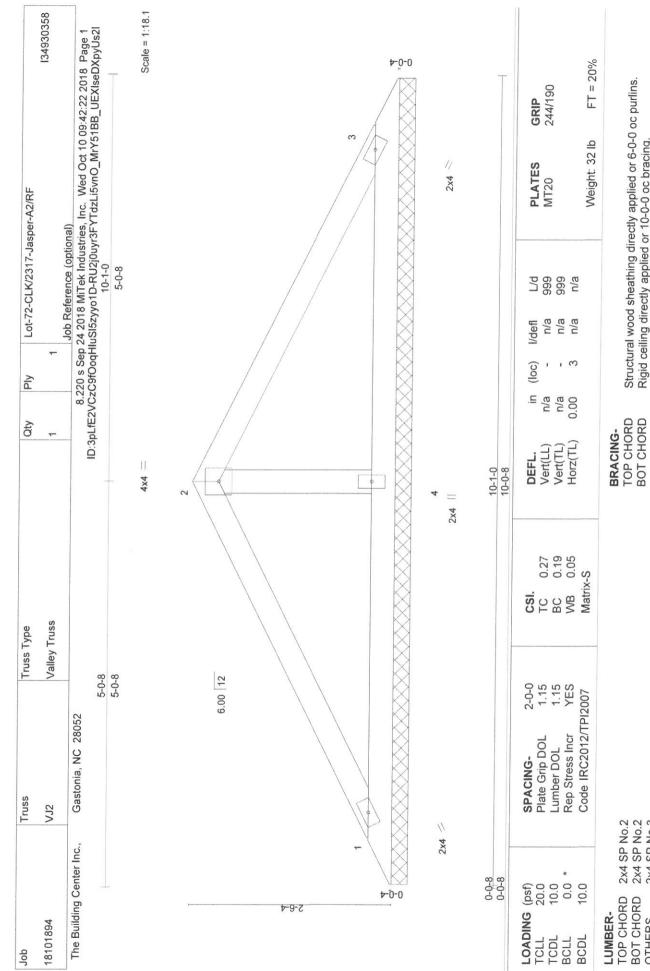


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Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

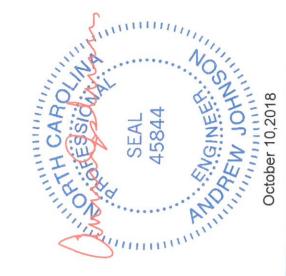
(lb/size) 1=161/10-0-0, 3=161/10-0-0, 4=384/10-0-0 Max Horz 1=30(LC 14) Max Uplift 1=-26(LC 10), 3=-32(LC 11), 4=-13(LC 10) Max Grav 1=163(LC 21), 3=163(LC 22), 4=384(LC 1)

REACTIONS.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-4=-255/113 FORCES.
WEBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 3) Gable requires continuous bottom chord bearing.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 6) * Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.

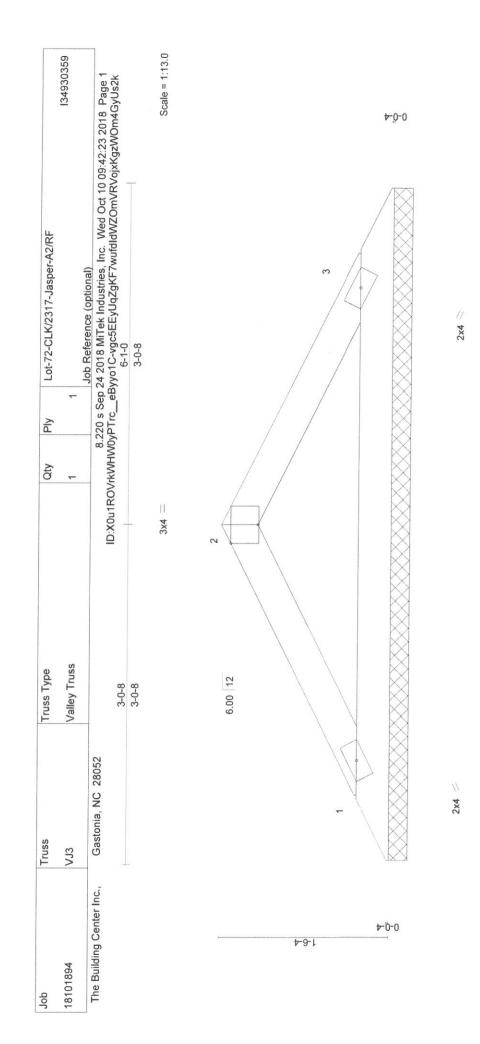


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0-0-8 0-0-8 Plate Offsets (X,Y)— [2:0-2-0,Edge]	0-0-8 0-0-8 [2:0-2-0,Edge]		6-1-0				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2012/TPI2007	CSI. TC 0.10 BC 0.30 WB 0.00 Matrix-P	DEFL. in Vert(LL) n/a Vert(TL) n/a Horz(TL) 0.00	in (loc) l/defl 1/a - n/a 1/a - n/a 00 3 n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
						Weight: 17 lb	FT = 20%
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI	2x4 SP No.2 2x4 SP No.2		BOT CHORD	Structural woo Rigid ceiling di	d sheathing dire rectly applied or	Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.) oc purlins.

- Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown (QI) FORCES.

(lb/size) 1=193/6-0-0, 3=193/6-0-0 Max Horz 1=17(LC 14) Max Upliff 1=-18(LC 10), 3=-18(LC 11)

REACTIONS.

- NULES
 1) Unbalanced roof live loads have been considered for this design.

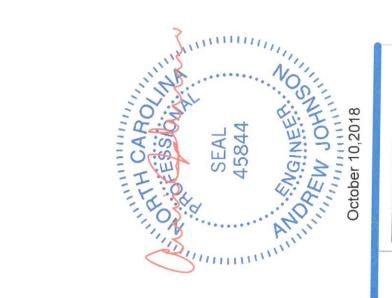
 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) V(IRC2012)=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

 3) Gable requires continuous bottom chord bearing.

 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

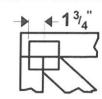
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Symbols

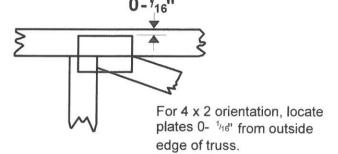
PLATE LOCATION AND ORIENTATION

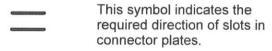


Center plate on joint unless x, y offsets are indicated.

Dimensions are in ft-in-sixteenths.

Apply plates to both sides of truss and fully embed teeth.





^{*} Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal

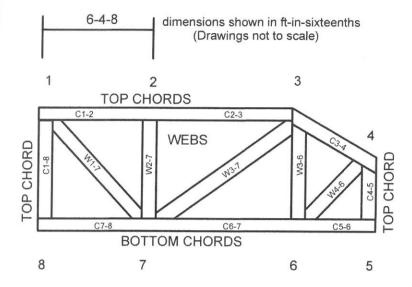
Plate Connected Wood Truss Construction.

DSB-89: BCSI: Design Standard for Bracing.

Building Component Safety Information, Guide to Good Practice for Handling.

Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.