

ADDRESS : 92 SQUIRE ST SUBDIV: AVERY POND 32LOTS  
 CONTRACTOR : WYNN CONSTRUCTION, INC. PHONE : (919) 528-1347  
 OWNER : LITTLE CROSS LLC PHONE :  
 PARCEL : 08-0653- - -0029- -28-  
 APPL NUMBER: 16-50040145 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : T/S: 11/10/2016 10:34 AM JBROCK ----  
 AVERY POND #28 OFF OF CHALYBEATE RD

STRUCTURE: 000 000 60X60 4BDR MONO W/ GARAGE & COV POR  
 FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 4000000.00 PROPOSED USE : SFD  
 SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	5/01/17	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002966026
	5/01/17	AP	92 SQUIRE ST FUQUAY VARINA 27526
			T/S: 05/01/2017 09:10 AM SBENNETT -----
P309 01	5/01/17	BS	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002966034
	5/01/17	AP	T/S: 04/28/2017 02:09 PM BPETRICH -----
			T/S: May 01, 2017 10:01 AM BSUTTON -----
			Need premise for tpole
B114 01	5/04/17	BS	R*BLDG MONO SLAB/TEMP SVC POLE TIME: 17:00 VRU #: 002967958
	5/04/17	DA	T/S: 05/03/2017 01:01 PM BPETRICH -----
			T/S: May 04, 2017 10:48 AM BSUTTON -----
			Footing behind garage should be continous. 2. Cut out insulation at left garage lug. 3. Need strings over slab
B114 02	5/05/17	BS	R*BLDG MONO SLAB/TEMP SVC POLE TIME: 17:00 VRU #: 002968626
	5/05/17	AP	T/S: 05/04/2017 01:15 PM BPETRICH -----
			T/S: May 05, 2017 12:56 PM BSUTTON -----
B104 01	6/12/17	BP	R*FOUND & SETBACK VERIF SURVEY TIME: 17:00 VRU #: 002983468
	6/12/17	AP	T/S: 06/12/2017 08:52 AM BPETRICH -----
			T/S: 06/12/2017 09:27 AM BPETRICH -----
R425 01	6/13/17	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002983740
	6/13/17	DA	T/S: 06/12/2017 01:37 PM LBENNETT -----
			T/S: 06/13/2017 12:41 PM DETAYLOR -----
			Need engineer for bored truss above kitchen
			Completely nail structural guard for plumbing in kitchen
			Strap stud columns
			Replace short nails in hangers
			No test on drain lines
			Okay to side and insulate
I129 01	6/20/17	BS	R*INSULATION INSPECTION TIME: 17:00 VRU #: 002986818
	6/20/17	CA	T/S: 06/19/2017 02:20 PM LLUCAS -----
			T/S: June 20, 2017 01:55 PM BSUTTON -----
R425 02	6/20/17	BS	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002986826
	6/20/17	CA	T/S: 06/19/2017 02:20 PM LLUCAS -----
			T/S: June 20, 2017 01:55 PM BSUTTON -----
I129 02	6/21/17	TI	R*INSULATION INSPECTION TIME: 17:00 VRU #: 002987345
	<u>6-21-17</u>	<u>APBS</u>	T/S: 06/20/2017 01:37 PM JBROCK -----
R425 03	6/21/17	TI	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002987352
	<u>6/21/17</u>	<u>I</u>	T/S: 06/20/2017 01:37 PM JBROCK -----

COMMENTS AND NOTES

*Eng AH*

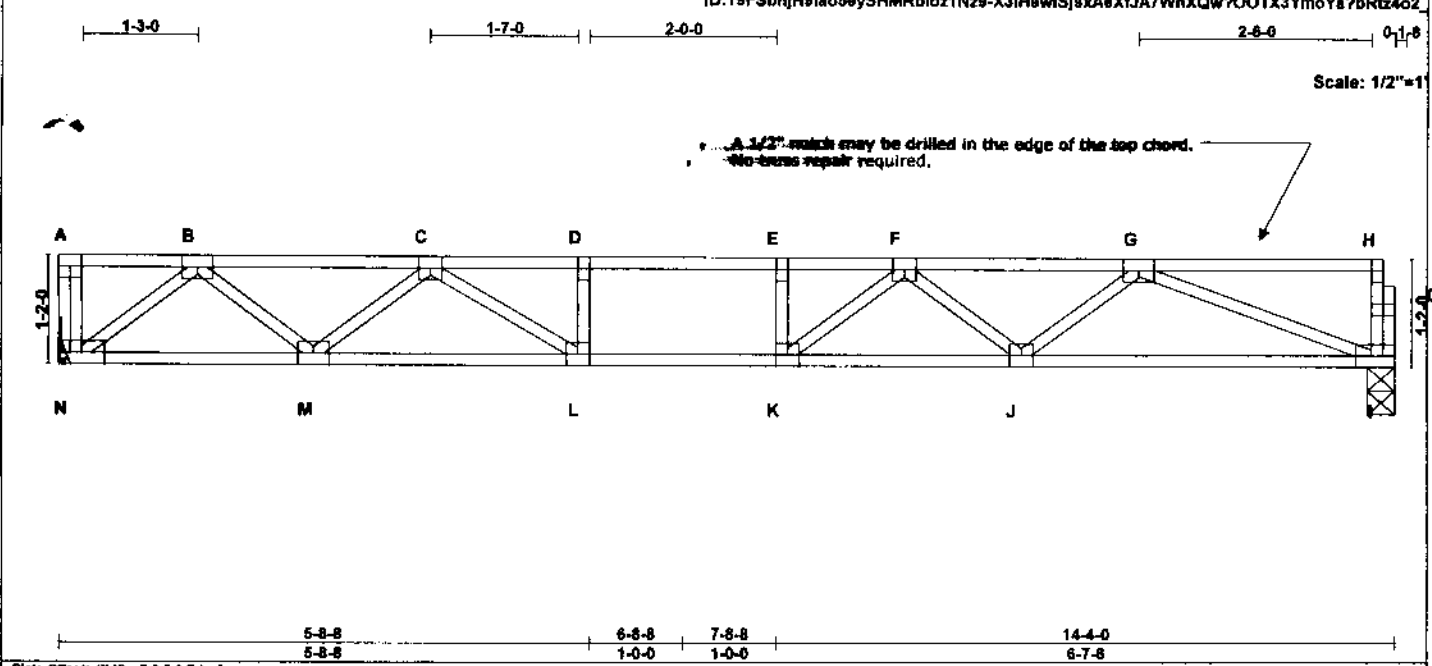


Plate Offsets (X, Y) - (0-2-4, Edge)	
LOADING (psf)	SPACING: 2-4-0
TCLL 40.4	Plate Grip DCL 1.00
TCDL 10.6	Lumber DCL 1.00
BCLL 0.0	Rep Stress Incr YES
BCDL 5.5	Code IRC2009/TP2007
	CSI Matrix-SH
	DEFL in (loc) kDefl L/d
	Vert(LL) -0.19 J-K >889 480
	Vert(TL) -0.28 J-K >687 360
	Horz(TL) 0.06 I n/a n/a
	PLATES GRIP
	MT20 244/190
	Weight: 71 lb FT = 4%F, 1%E

**LUMBER:**  
 TOP CHORD 2x4 SP No.2(flat)  
 BOT CHORD 2x4 SP No.2(flat)  
 WEBS 2x4 SP No.3(flat)

**BRACING:**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

**REACTIONS:** (lb/size) N=775/Mechanical, I=766/0-3-4 (min. 0-1-6)

**FORCES:** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD B-C=-1847/0, C-D=-2644/0, D-E=-2664/0, E-F=-2664/0, F-G=-2088/0  
 BOT CHORD M-N=0/966, L-M=0/2114, K-L=0/2664, J-K=0/2438, I-J=0/1839  
 WEBS D-L=-276/0, B-N=-1199/0, B-M=0/789, C-M=-739/0, C-L=0/713, G-J=-1757/0, G-J=0/559, F-J=-482/0, F-K=-39/446

**NOTES:** (6)  
 1) Unbalanced floor live loads have been considered for this design.  
 2) All plates are 3x3 MT20 unless otherwise indicated.  
 3) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.  
 4) Recommend 2x8 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.  
 5) CAUTION, Do not erect truss backwards.  
 6) This repair has been prepared based on information and use conditions supplied by client. Designer has made a good faith effort to outline damage and repair conditions as reported by client. When actual field conditions do not approximate those indicated on this drawing, client shall immediately inform the engineer and refrain from applying the repair.

**LOAD CASE(S)** Standard



This truss is to be fabricated per ANSI/TP1 quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.