



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

RE: 200342 - ROOF DESIGN INFO

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115
Model: -

Site Information:

Customer Info: SOUTHTRUST CONSTRUCTION Project Name: Adams Residence
Lot/Block: - Subdivision: -
Address: -
City: Alachua State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2017 Design Program: OnLine Plus 30.0.071
Wind Code: ASCE 7-10 [All Height] Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 40 individual, Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T20412060	R1	6/8/20	23	T20412082	R22	6/8/20
2	T20412061	R2	6/8/20	24	T20412083	R23	6/8/20
3	T20412062	R3	6/8/20	25	T20412084	R24	6/8/20
4	T20412063	R4	6/8/20	26	T20412085	T1	6/8/20
5	T20412064	R5	6/8/20	27	T20412086	T2	6/8/20
6	T20412065	R6	6/8/20	28	T20412087	V1	6/8/20
7	T20412066	R7	6/8/20	29	T20412088	V2	6/8/20
8	T20412067	R8	6/8/20	30	T20412089	V3	6/8/20
9	T20412068	R9	6/8/20	31	T20412090	V4	6/8/20
10	T20412069	R10	6/8/20	32	T20412091	V5	6/8/20
11	T20412070	R11	6/8/20	33	T20412092	V6	6/8/20
12	T20412071	R12	6/8/20	34	T20412093	V7	6/8/20
13	T20412072	R13	6/8/20	35	T20412094	V8	6/8/20
14	T20412073	R14	6/8/20	36	T20412095	V9	6/8/20
15	T20412074	R15	6/8/20	37	T20412096	V10	6/8/20
16	T20412075	R16	6/8/20	38	T20412097	V11	6/8/20
17	T20412076	R16A	6/8/20	39	T20412098	V12	6/8/20
18	T20412077	R17	6/8/20	40	T20412099	V13	6/8/20
19	T20412078	R18	6/8/20				
20	T20412079	R19	6/8/20				
21	T20412080	R20	6/8/20				
22	T20412081	R21	6/8/20				

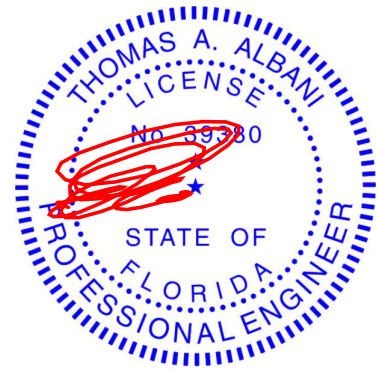


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Ridgway Roof Trusses.

Truss Design Engineer's Name: Albani, Thomas

My license renewal date for the state of Florida is February 28, 2021.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020

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**5. Jobsite Package w/ BCSI B-1, B-2, B-3
and B-4(Handling, Installing and Bracing
Information)**

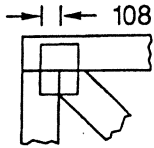
http://www.sbcindustry.com/docs/06_bcsi_booklet_final.pdf

6.Standard Chord and Web Repairs

7.Examples of Permanent Web Bracing

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108).

PLATE SIZE

6.3 x 8.8

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

LATERAL BRACING



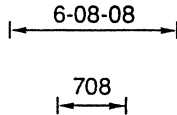
1x4 continuous lateral bracing attached with (2) 8d nails each member where indicated or 2x4 "T" or "L" brace stiffener if applicable nailed flat to edge of web with 12d nails spaced 8" o.c. "T" or "L" brace must be extended at least 90% of web length.

PLATE ORIENTATION



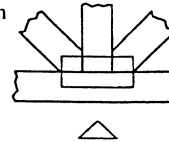
When shown, indicates direction of slots in connector plate.

DIMENSIONS



All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).

BEARING



When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS LOCK connector plates (20 ga. galv. steel ASTM A653 SS Grade 40) shall be applied on both faces of truss at each joint. Center the plates, unless shown otherwise by circles (o) or dimensions. No loose knots or wanes in plate contact area. Splice only where shown. Overall spans assume 4" bearings at each end, unless indicated otherwise. Cutting and fabrication shall be performed on equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and these designs are not applicable for use with fire retardant lumber. This design was prepared in accordance with "National Design Specifications for Stress - Grade Lumber and Its Fastenings" (AFPA), "Design Specifications for Light Metal Plate Connected Wood Trusses" (TPI), and HUD Design Criteria for

Trussed Rafters. Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to HIB-91 as published by the Truss Plate Institute, 583 D'Onofrio Drive, Suite 200, Madison, Wisconsin 53719. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that the design loads utilized on this drawing meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.

FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF BUILDING DESIGNER TO REVIEW THIS DRWG. & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS LAYOUTS.



CORPORATE HEADQUARTERS

P.O. Box 280055
Tampa, FL 33682-0055
800-282-1299 • Fax: 813-971-6117



Wood Truss Council of America

5937 Meadowood Dr., Ste. 14 • Madison, WI 53711-4125 • 608/274-3329 (fax)

**Standard Responsibilities
in the Design Process
Involving Metal Plate
Connected Wood Trusses**

WTCA 1-1995

Developed by the WTCA Engineering Review Committee
in cooperation with the Truss Plate Institute

The Wood Truss Council of America publishes standard practice materials prepared and edited by knowledgeable authors from the construction industry to give as much assistance as possible to owners, architects, engineers, contractors, building officials, and others involved in the metal plate connected wood truss industry. The competence of the authors ensures accurate and authoritative information in regard to the subject matter covered, but, of course, neither the Wood Truss Council of America, nor the authors make either express or implied warranties in regard to the use of the materials.

1.0 SCOPE AND DEFINITIONS

- 1.1 This standard defines the design responsibilities of the individuals and organizations involved in the preparation, submittal, review and approval of each Truss Design Drawing and Truss Placement Plan associated with the use of metal plate connected wood trusses. These guidelines are presented as industry standard practice. The guidelines are not intended to preclude alternate provisions as agreed upon by the parties involved.
- 1.2 The following definitions shall apply:
- 1.2.1 "Architect" shall mean the individual registered architect responsible for the architectural design of the structure and who produces the architectural drawings included in the Construction Design Documents.
- 1.2.2 "Building Designer" is the individual or organization having responsibility for the overall building or structure design in accordance with the state's statutes and regulations governing the professional registration and certification of architects or engineers. This responsibility includes but is not limited to foundation design, structural member sizing, load transfer, bearing conditions, and the structure's compliance with the applicable building codes. Also referred to as registered architect or engineer, building designer, and registered building designer, but hereinafter will be referred to as Building Designer.
- 1.2.3 "Construction Design Documents" are the architectural drawings, structural drawings, mechanical drawings, electrical drawings, and any other drawings, specifications, and addenda which set forth the overall design of the structure and issued by the Building Designer.
- 1.2.4 "Contractor" shall mean the individual or organization responsible for the field storage, handling, and installation of trusses including, but not limited to, temporary bracing, permanent bracing, anchorage, connections and field assembly. The term "Contractor" shall include those subcontractors who have a direct contract with the Contractor to perform all or a portion of the storage, handling, and installation of the trusses.
- 1.2.5 "Engineer-of-Record" shall mean the registered professional engineer responsible for the structural design of the structure and who produces the structural drawings included in the Construction Design Documents.
- 1.2.6 "Owner" shall mean the individual or organization for whom the structure is designed.
- 1.2.7 "Truss" is an individual metal plate connected wood structural component manufactured by the Truss Manufacturer.
- 1.2.8 "Truss Designer" is the design professional, individual or organization, having responsibility for the design of metal plate connected wood trusses. This responsibility shall be in accordance with the state's statutes and regulations governing the professional registration and certification of architects or engineers. Also referred to as truss engineer, design engineer, registered engineer, and engineer, but hereinafter will be referred to as Truss Designer.
- 1.2.9 "Truss Design Drawing" shall mean the graphic depiction of an individual Truss prepared by the Truss Designer.
- 1.2.10 "Truss Manufacturer" shall mean an individual or organization regularly engaged in the manufacturing of Trusses.
- 1.2.11 "Truss Placement Plan" is the drawing identifying the location assumed for each Truss based on the Truss Manufacturer's interpretation of the Construction Design Documents.

2.0 OWNER RESPONSIBILITIES

- 2.1 Directly or through its representatives, which may include the Contractor and/or Building Designer; (a) review and approve each Truss Design Drawing; (b) review and approve the Truss Placement Plan; (c) resolve and approve all design issues arising out of the preparation of each Truss Design Drawing and Truss Placement Plan; and (d) coordinate the return of each approved Truss Design Drawing and Truss Placement Plan to the Truss Manufacturer prior to truss manufacturing.

3.0 BUILDING DESIGNER RESPONSIBILITIES

- 3.1 Design a structure suitable to ensure that the intended function of each Truss is not affected by adverse influences including, but not limited to, moisture, temperature, corrosive chemicals and gases;
- 3.2 Prepare the Construction Design Documents, showing all trussed areas, which must provide as a minimum the following:
 - 3.2.1 All truss orientations and locations;
 - 3.2.2 Information to fully determine all truss profiles;
 - 3.2.3 Adequate support of the Truss and all truss bearing conditions;
 - 3.2.4 Permanent bracing design for the structure including the Trusses, except as provided in 3.4 and 6.2.12.
 - 3.2.5 The location, direction and magnitude of all dead and live loads applicable to each Truss including, but not limited to, loads attributable to: roof, floor, partition, mechanical, fire sprinkler, attic, storage, wind, snow drift and seismic;
 - 3.2.6 All Truss anchorage designs required to resist uplift, gravity, and lateral loads;
 - 3.2.7 Allowable vertical and horizontal deflection criteria;
- 3.3 Review and approve the Truss Placement Plan and each Truss Design Drawing for conformance with the requirements and intent of the Construction Design Documents, the effect of each Truss Design Drawing and Truss Placement Plan on other parts of the structure, and the effect of the structure on each Truss.
- 3.4 Specify permanent lateral bracing where indicated by the Truss Designer on the Truss Design Drawings, to prevent buckling of the individual truss members due to design loads. The Building Designer shall specify how the permanent lateral bracing is to be anchored or restrained to prevent lateral movement if all truss members, so braced, buckle together. This shall be accomplished by: (a) anchorage to solid end walls; (b) permanent diagonal bracing in the plane of the web members; or (c) other means when demonstrated by the Building Designer to provide equivalent bracing.
- 3.2.8 Proper transfer of design loads affecting the Truss; and
- 3.2.9 Adequate connections between Truss and non-Truss components, except as noted in Section 6.2.9.

4.0 CONTRACTOR RESPONSIBILITIES

- 4.1 Provide to the Truss Manufacturer the Construction Design Documents and all revisions and supplements thereto.
- 4.2 Review and approve the Truss Placement Plan and each Truss Design Drawing for conformance with the requirements and intent of the Construction Design Documents, and the effect of the Truss Placement Plan and each Truss Design Drawing on other trades involved in the construction of the structure and the effect of the other trades on the Trusses.
- 4.3 Coordinate the review, approval and return of each Truss Design Drawing and the Truss Placement Plan by the Owner and Building Designer.
- 4.4 Provide the approved Truss Design Drawings, approved Truss Placement Plans, and any supplemental information provided by the Truss Manufacturer to the individual or organization responsible for the installation of the Trusses.
- 4.5 Comply with the field storage, handling, installation, permanent bracing, anchorage, connections and field assembly requirements of the Construction Design Documents.
- 4.6 Determine and install the temporary bracing for the structure, including the Trusses.

5.0 TRUSS MANUFACTURER RESPONSIBILITIES

- 5.1 Communicate the design criteria from the Construction Design Documents to the Truss Designer.
- 5.2 Where required by the Construction Design Documents, prepare the Truss Placement Plan, providing as a minimum the location assumed for each Truss based on the Truss Manufacturer's interpretation of the Construction Design Documents.
- 5.3 Submit to the Contractor the Truss Placement Plan, as may be required, and each Truss Design Drawing for review and approval.
- 5.4 Manufacture the Trusses in accordance with the final approved Truss Design Drawings using the quality criteria for Metal Plate Connected Wood Trusses established by the ANSI/TPI 1-1995 "National Design Standard for Metal Plate Connected Wood Truss Construction."

6.0 TRUSS DESIGNER RESPONSIBILITIES

- 6.1 Prepare the Truss Design Drawings in conformance with the requirements set forth in the latest approved edition of ANSI/TPI 1-1995 "National Design Standard for Metal Plate Connected Wood Truss Construction."
- 6.2 For each Truss Design Drawing, set forth as a minimum the following:
 - 6.2.1 Slope or depth, span and spacing;
 - 6.2.2 Location of all joints;
 - 6.2.3 Required bearing widths;
 - 6.2.4 Design loads as applicable:
 - 6.2.4.1 Top chord live load (including snow loads);
 - 6.2.4.2 Top chord dead load;
 - 6.2.4.3 Bottom chord live load;
 - 6.2.4.4 Bottom chord dead load;
 - 6.2.4.5 Concentrated loads and their points of application; and
 - 6.2.4.6 Controlling wind and earthquake loads;
 - 6.2.5 Adjustments to lumber and metal connector plate design values for conditions of use;
 - 6.2.6 Each reaction force and direction;
 - 6.2.7 Metal connector plate type, size, thickness or gage, and the dimensioned location of each metal connector plate except where symmetrically located relative to the joint interface;
 - 6.2.8 Lumber size, species, and grade for each member;
 - 6.2.9 Connection Requirements for:
 - (a) Truss to Truss girder;
 - (b) Truss ply to ply; and
 - (c) Field splices;
 - 6.2.10 Calculated deflection ratio and/or maximum deflection for live and total load;
 - 6.2.11 Maximum axial compression forces in the Truss members to enable the Building Designer to design the size, connections and anchorage of the permanent continuous lateral bracing. Forces may be shown on the Truss Design Drawing or on supplemental documents; and
 - 6.2.12 Required permanent Truss member bracing location.

7.0 OTHER RESPONSIBILITIES

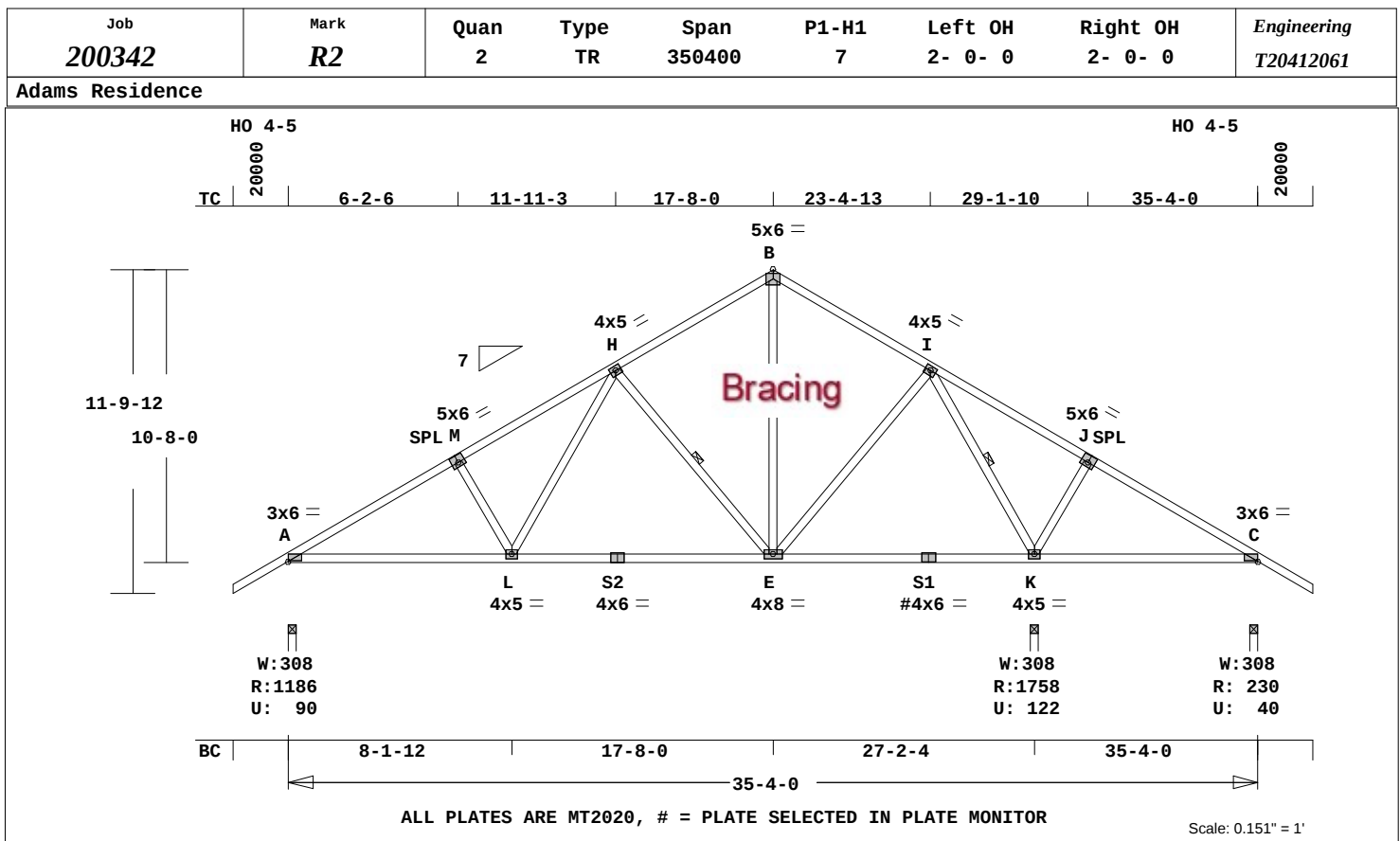
- 7.1 Any party who cuts or damages a truss shall be responsible for securing the engineering required for the repair and for subsequent costs.

Wood Truss Council of America's Objective

WTCA is committed to promoting the common interests of all engaged in the manufacture of wood trusses and related components to ensure growth, continuity, and increased professionalism in our industry. Fundamental to this is promoting the safe, economic, and structurally sound use of trusses in all applications.

Job 200342	Mark <i>R1</i>	Quan 1	Type TR	Span 350400	P1-H1 7	Left OH 0	Right OH 0	Engineering <i>T20412060</i>
Adams Residence								

creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.41 2x 4 SP-#2
BC 0.98 2x 4 SP-#2
WB 0.48 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 35- 4- 0
or 48.0" 0- 0- 0 35- 4- 0
BC Cont. 0- 0- 0 35- 4- 0
or 72.0" 0- 0- 0 35- 4- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
H -E I -K
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
	Fb Fc Ft Emin	
TC	1.15 1.10 1.10 1.10	
BC	1.10 1.10 1.10 1.10	

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1186 91 U 184 R
K 1759 122 U 0.27
C 231 40 U 184 R

Jt	Brg Size	Required
A	3.5"	1.5"
K	3.5"	1.9"
C	3.5"	1.5"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -M	0.28	1661 C	0.02 0.26
M -H	0.30	1508 C	0.01 0.29
H -B	0.29	764 C	0.00 0.29
B -I	0.27	763 C	0.00 0.27
I -J	0.41	313 T	0.05 0.36
J -C	0.40	162 T	0.04 0.36
-----Bottom Chords-----			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 248.9 LBS

A -L	0.74	1435 T	0.29 0.45
L -S2	0.72	1027 T	0.21 0.51
S2-E	0.98	1027 T	0.21 0.77
E -S1	0.82	403 T	0.07 0.75
S1-K	0.63	403 T	0.07 0.56
K -C	0.53	127 C	0.00 0.53
-----Webs-----			
M -L	0.09	271 C	
L -H	0.22	582 T	
H -E	0.25	588 C	1 Br
E -B	0.17	469 T	
E -I	0.16	450 T	
I -K	0.48	1361 C	1 Br
K -J	0.10	302 C	

CT Defl -0.15" in K -C L/634
LL Defl -0.29" in L -E L/999
Shear // Grain in S2-E 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 0.2 0.1 0.63
M MT20 5.0x 6.0 0.3 0.5 0.55
H MT20 4.0x 5.0 Ctr Ctr 0.34
B MT20 5.0x 6.0 Ctr-0.2 0.34
I MT20 4.0x 5.0 Ctr Ctr 0.71
J MT20 5.0x 6.0 0.3 0.5 0.68
C MT20 3.0x 6.0 0.2 0.1 0.41
L MT20 4.0x 5.0 Ctr Ctr 0.29
S2 MT20 4.0x 6.0 Ctr 0.2 0.76
E MT20 4.0x 8.0 Ctr Ctr 0.24
S1#MT20 4.0x 6.0 Ctr 0.3 0.63
K MT20 4.0x 5.0 Ctr Ctr 0.45

= Plate Monitor used
REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

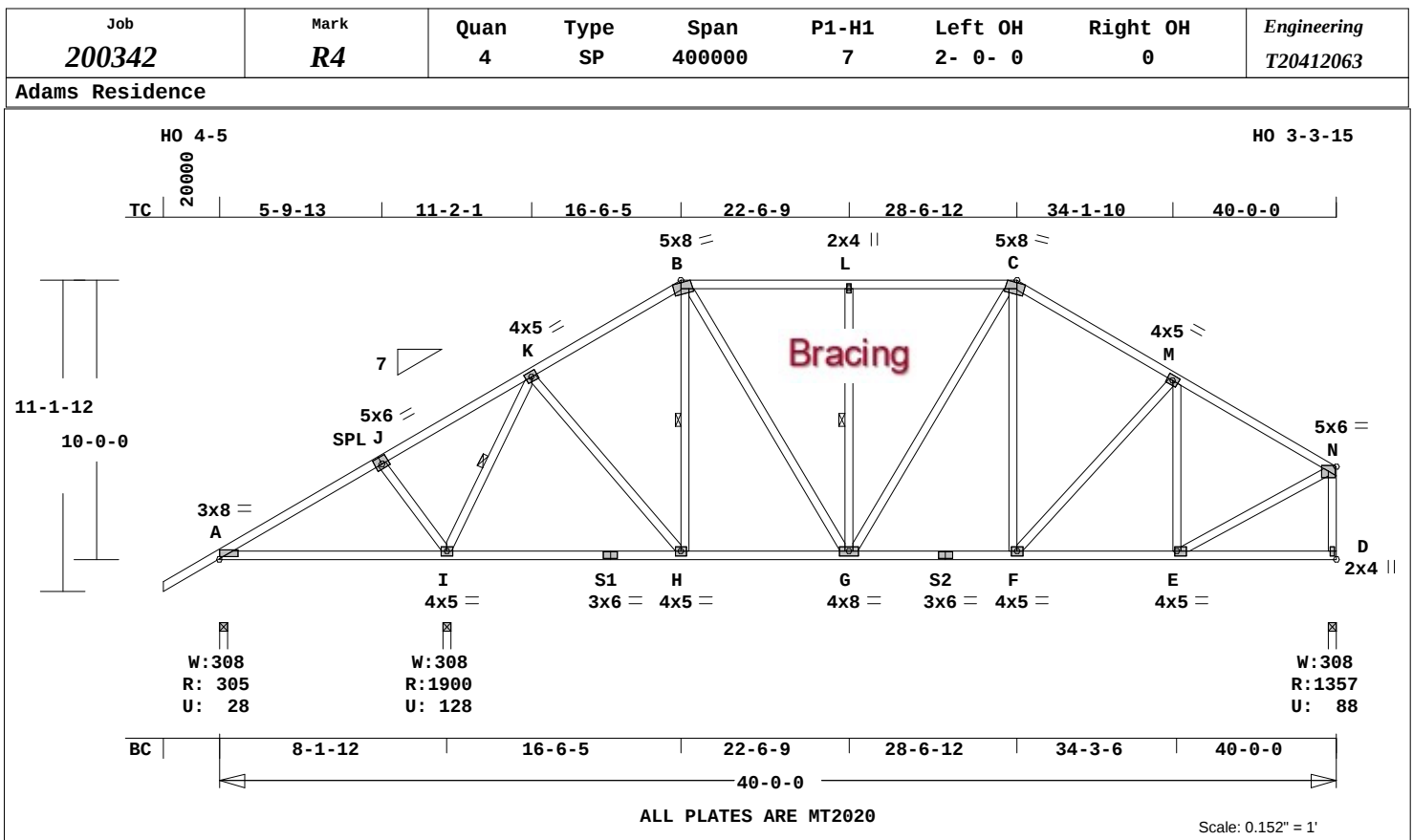
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.

and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 1661 Lbs
Max tens. force 1435 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.36 2x 4 SP-#2
BC 0.60 2x 4 SP-#2
WB 0.47 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 40- 0- 0
or 48.0" 0- 0- 0 40- 0- 0
BC Cont. 0- 0- 0 40- 0- 0
or 120.0" 0- 0- 0 40- 0- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
I -K H -B G -L
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
Fb Fc Ft Emin
TC 1.15 1.10 1.10 1.10
BC 1.10 1.10 1.10 1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 306 29 U 162 R
I 1901 129 U
D 1358 89 U 211 R

Jt Brg Size Required
A 3.5" 1.5"
I 3.5" 2.0"
D 3.5" 1.6"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -J 0.33 27 T 0.01 0.32
J -K 0.34 183 T 0.02 0.32
K -B 0.25 1030 C 0.01 0.24
B -L 0.36 1138 C 0.01 0.35
L -C 0.36 1138 C 0.01 0.35
C -M 0.33 1241 C 0.01 0.32
M -N 0.35 1189 C 0.01 0.34
-----Bottom Chords-----
A -I 0.46 136 T 0.00 0.46
I -S1 0.60 483 T 0.09 0.51

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 339.2 LBS

S1-H	0.54	483	T	0.09	0.45
H -G	0.59	888	T	0.18	0.41
G -S2	0.42	1065	T	0.21	0.21
S2-F	0.46	1065	T	0.21	0.25
F -E	0.44	1040	T	0.21	0.23
E -D	0.22	177	T	0.00	0.22
-----Webs-----					
J -I	0.10	288	C		
I -K	0.47	1529	C		1 Br
K -H	0.24	638	T		
H -B	0.09	184	C		1 Br
B -G	0.18	481	T		
G -L	0.17	353	C		1 Br
L -C	0.14	161	T		
F -C	0.07	226	T		
F -M	0.10	75	T		
E -M	0.31	387	C		
E -N	0.45	1190	T		
D -N	0.32	1313	C		WindLd

CT Defl -0.21" in I -H L/999
LL Defl -0.07" in A -I L/999
Shear // Grain in L -C 0.23

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 8.0 1.2 0.7 0.47
J MT20 5.0x 6.0-0.3 0.5 0.65
K MT20 4.0x 5.0 Ctr Ctr 0.78
B MT20 5.0x 8.0 0.9-3.5 0.50
L MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 8.0-0.9-3.5 0.50
M MT20 4.0x 5.0 Ctr Ctr 0.29
N MT20 5.0x 6.0 Ctr-0.2 0.77
I MT20 4.0x 5.0 Ctr Ctr 0.49
S1 MT20 3.0x 6.0 Ctr Ctr 0.49
H MT20 4.0x 5.0 Ctr Ctr 0.30
G MT20 4.0x 8.0 Ctr Ctr 0.25
S2 MT20 3.0x 6.0 Ctr Ctr 0.56
F MT20 4.0x 5.0 Ctr Ctr 0.24
E MT20 4.0x 5.0 Ctr Ctr 0.54
D MT20 2.0x 4.0 Ctr Ctr 0.34

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

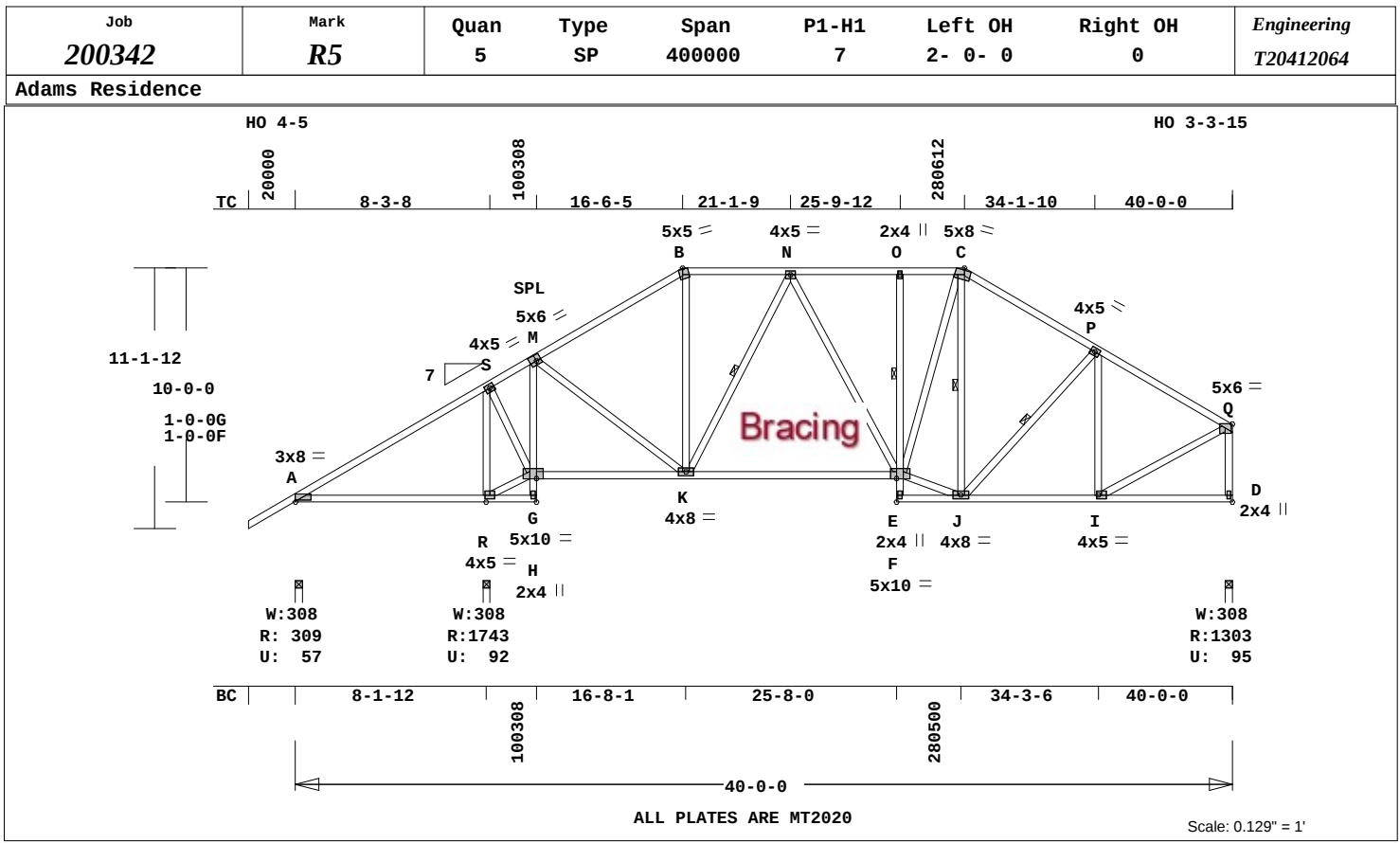
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed

for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category: II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 1529 Lbs
Max tens. force 1190 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020

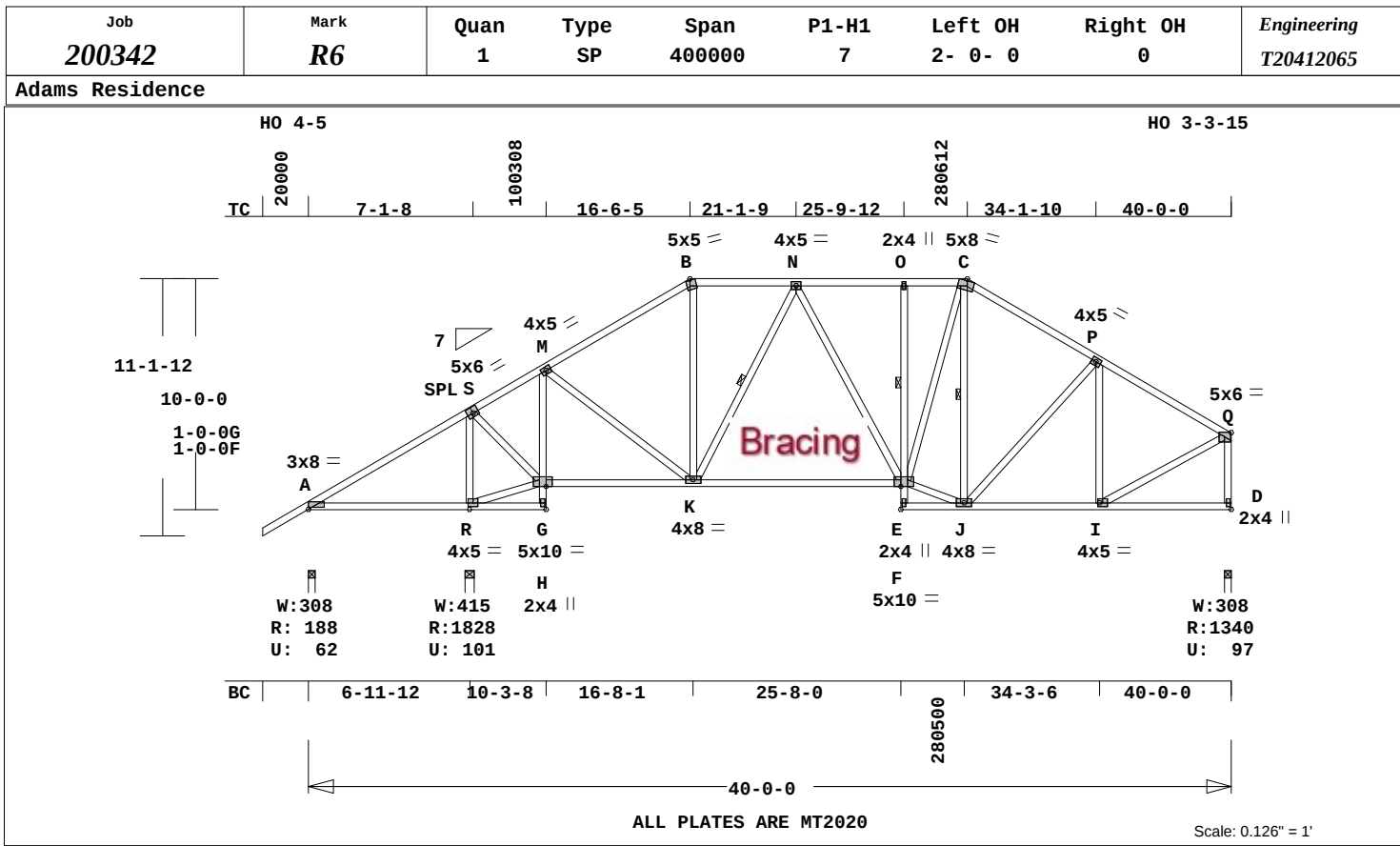


Online Plus -- Version 30.0.071 RUN DATE: 08-JUN-20		MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 362.5 LBS		ANSI/TPI 1.	
Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON		-----Top Chords-----		R MT20 4.0x 5.0 Ctr Ctr 0.38	
CSI -Size- ----Lumber----		A -S 0.66 137 T 0.04 0.62		H MT20 2.0x 4.0 Ctr Ctr 0.58	
TC 0.66 2x 4 SP-#2		S -M 0.55 437 C 0.00 0.55		G MT20 5.0x10.0 Ctr 0.8 0.61	
BC 0.95 2x 4 SP-#2		M -B 0.49 1080 C 0.04 0.45		K MT20 4.0x 8.0 Ctr Ctr 0.37	
CW 0.72 2x 4 SP-#2		B -N 0.18 931 C 0.00 0.18		F MT20 5.0x10.0 Ctr 0.8 0.82	
-- 0.32 2x 4 SP-#3		N -O 0.19 1216 C 0.01 0.18		E MT20 2.0x 4.0 Ctr Ctr 0.58	
H -M		O -C 0.11 1209 C 0.01 0.10		J MT20 4.0x 8.0 Ctr Ctr 0.71	
WB 0.68 2x 4 SP-#3		C -P 0.36 1161 C 0.01 0.35		I MT20 4.0x 5.0 Ctr Ctr 0.52	
Brace truss as follows:		P -Q 0.37 1137 C 0.01 0.36		D MT20 2.0x 4.0 Ctr Ctr 0.32	
O.C. From To		-----Bottom Chords-----		REVIEWED BY:	
TC Cont. 0- 0- 0 40- 0- 0		A -R 0.45 93 C 0.00 0.45		MiTek USA, Inc.	
or 48.0" 0- 0- 0 40- 0- 0		R -H 0.39 49 C 0.00 0.39		6904 Parke East Blvd.	
BC Cont. 0- 0- 0 40- 0- 0		G -K 0.56 396 T 0.07 0.49		Tampa, FL 33610	
or 72.0" 0- 0- 0 40- 0- 0		K -F 0.95 1138 T 0.23 0.72		REFER TO ONLINE PLUS GENERAL	
Continuous Lateral Restraint req'd at mid-point of webs:		E -J 0.14 253 C 0.00 0.14		NOTES:	
K -N J -C J -P F -O		J -I 0.38 997 T 0.20 0.18		Trusses Manufactured by:	
Attach CLR with (2)-10d nails at each web.		I -D 0.22 177 T 0.00 0.22		RIDGWAY ROOF TRUSS	
Refer to BCSI for diagonal restraint requirements.		-----Chord-Webs-----		Analysis Conforms To:	
psf-Ld Dead Live		H -G 0.19 78 C 0.00 0.19		FBC2017	
TC 7.0 20.0		G -M 0.32 935 C 0.26 0.06		TPI 2014	
BC 10.0 0.0		E -F 0.72 19 T 0.00 0.72		OH Loading	
TC+BC 17.0 20.0		F -O 0.19 188 C 0.00 0.19		Soffit psf 2.0	
Total 37.0 Spacing 24.0"		-----Webs-----		This truss has been designed	
Lumber Duration Factor 1.25		R -S 0.68 1447 C		for 20.0 psf LL on the B.C.	
Plate Duration Factor 1.25		R -G 0.03 133 C		in areas where a rectangle	
Fb Fc Ft Emin		S -G 0.35 930 T		3- 6- 0 tall by	
TC 1.15 1.10 1.10 1.10		M -K 0.28 736 T		2- 0- 0 wide	
BC 1.10 1.10 1.10 1.10		K -B 0.09 262 T		will fit between the B.C.	
Total Load Reactions (Lbs)		K -N 0.22 454 C 1 Br		and any other member.	
Jt Down Uplift Horiz-		N -F 0.06 195 T		Design checked for 10 psf non-	
A 310 57 U 162 R		F -C 0.28 746 T		concurrent LL on BC.	
R 1744 93 U		F -J 0.51 1339 T		Wind Loads - ANSI / ASCE 7-10	
D 1393 96 U 211 R		J -C 0.17 348 C 1 Br		Truss is designed as a Main	
Jt Brg Size Required		J -P 0.03 78 C 1 Br		Wind-Force Resistance System	
A 3.5" 1.5"		I -P 0.28 351 C		- Directional.	
R 3.5" 1.9"		I -Q 0.43 1141 T		Wind Speed: 130 mph	
D 3.5" 1.5"		D -Q 0.31 1261 C WindLd		Risk Category : II	
Plus 15 Wind Load Case(s)		CT Defl -0.21" in A -R L/435		Mean Roof Height: 15-0	
Plus 1 LL Load Case(s)		LL Defl -0.09" in A -R L/990		Exposure Category: B	
Plus 1 BC LL Load Case(s)		Shear // Grain in E -F 0.33		Building Type: Enclosed	
Plus 1 DL Load Case(s)		Plates for each ply each face.		Zone location: Exterior	
Membr CSI P Lbs Ax1-CSI-Bnd		Plate - MT20 20 Ga, Gross Area		TC Dead Load : 4.0 psf	
		Plate - MT2H 20 Ga, Gross Area		BC Dead Load : 6.0 psf	
		Plate - MS18 18 Ga, Gross Area		Max comp. force 1447 Lbs	
		Jt Type Plt Size X Y JSI		Max tens. force 1339 Lbs	
		A MT20 3.0x 8.0 1.2 0.7 0.47		Connector Plate Fabrication	
		S MT20 4.0x 5.0 Ctr Ctr 0.60		Tolerance = 20%	
		M MT20 5.0x 6.0-0.7 0.2 0.62		This truss is designed for a	
		B MT20 5.0x 5.0 0.8-3.1 0.63		creep factor of 2.0 which	
		N MT20 4.0x 5.0 Ctr Ctr 0.24		is used to calculate	
		O MT20 2.0x 4.0 Ctr Ctr 0.34		Vert(CT) deflection per	
		C MT20 5.0x 8.0-0.9-3.5 0.68			
		P MT20 4.0x 5.0 Ctr Ctr 0.29			
		Q MT20 5.0x 6.0 Ctr-0.2 0.74			



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ----Lumber----
TC 0.51 2x 4 SP-#2
BC 0.96 2x 4 SP-#2
CW 0.71 2x 4 SP-#2
-- 0.24 2x 4 SP-#3
H -M
WB 0.57 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 40- 0- 0
or 48.0" 0- 0- 0 40- 0- 0
BC Cont. 0- 0- 0 40- 0- 0
or 72.0" 0- 0- 0 40- 0- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
K -N J -C F -O
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
	Fb Fc Ft Emin	
TC	1.15 1.10 1.10 1.10	
BC	1.10 1.10 1.10 1.10	

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 189 63 U 162 R
R 1828 101 U
D 1340 97 U 212 R

Jt	Brg Size	Required
A	3.5"	1.5"
R	4.9"	2.0"
D	3.5"	1.6"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)
Membr CSI P Lbs Ax1-CSI-Bnd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 363.5 LBS

-----Top Chords-----
A -S 0.51 289 T 0.07 0.44
S -M 0.38 663 C 0.00 0.38
M -B 0.49 1192 C 0.04 0.45
B -N 0.18 1028 C 0.00 0.18
N -O 0.19 1275 C 0.01 0.18
O -C 0.11 1268 C 0.01 0.10
C -P 0.36 1211 C 0.01 0.35
P -Q 0.37 1174 C 0.01 0.36

-----Bottom Chords-----
A -R 0.35 241 C 0.00 0.35
R -H 0.27 54 C 0.00 0.27
H -K 0.60 588 T 0.11 0.49
K -F 0.96 1217 T 0.24 0.72
F -J 0.14 252 C 0.00 0.14
J -I 0.39 1029 T 0.21 0.18
I -D 0.22 177 T 0.00 0.22

-----Chord-Webs-----
H -G 0.21 14 T 0.00 0.21
G -M 0.24 861 C 0.22 0.02
E -F 0.71 19 T 0.00 0.71
F -O 0.20 188 C 0.00 0.20

-----Webs-----
R -S 0.57 1566 C
R -G 0.07 273 C
S -G 0.43 1129 T
M -K 0.22 582 T
K -B 0.11 302 T
K -N 0.20 413 C 1 Br
N -F 0.04 159 T
F -C 0.30 801 T
F -J 0.52 1384 T
J -C 0.18 376 C 1 Br
J -P 0.10 73 C
I -P 0.29 369 C
I -Q 0.44 1177 T
D -Q 0.32 1297 C WindLd

CT Defl -0.12" in A -R L/637
LL Defl -0.05" in A -R L/999
Shear // Grain in E -F 0.32

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 8.0 1.2 0.7 0.47
S MT20 5.0x 6.0-0.3 0.5 0.69
M MT20 4.0x 5.0 Ctr Ctr 0.54
B MT20 5.0x 5.0 0.8-3.1 0.66
N MT20 4.0x 5.0 Ctr Ctr 0.24
O MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 8.0-0.9-3.5 0.73
P MT20 4.0x 5.0 Ctr Ctr 0.29
Q MT20 5.0x 6.0 Ctr-0.2 0.76

R MT20 4.0x 5.0 Ctr Ctr 0.41
H MT20 2.0x 4.0 Ctr Ctr 0.58
G MT20 5.0x10.0 Ctr 0.8 0.55
K MT20 4.0x 8.0 Ctr Ctr 0.29
F MT20 5.0x10.0 Ctr 0.8 0.82
E MT20 2.0x 4.0 Ctr Ctr 0.58
J MT20 4.0x 8.0 Ctr Ctr 0.73
I MT20 4.0x 5.0 Ctr Ctr 0.53
D MT20 2.0x 4.0 Ctr Ctr 0.33

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

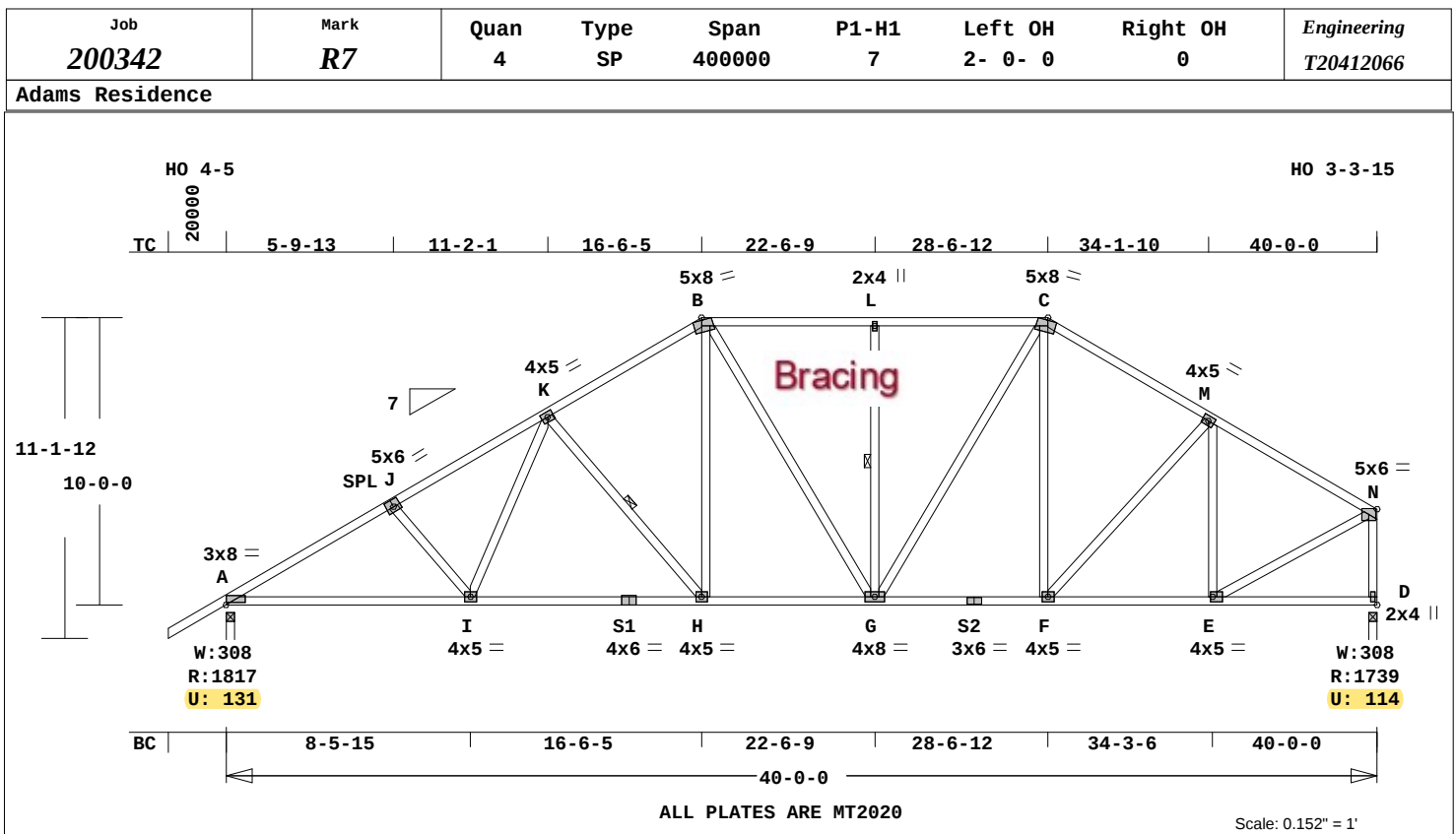
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 1566 Lbs
Max tens. force 1384 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per

ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- Lumber-----
TC 0.40 2x 4 SP-#2
BC 0.93 2x 4 SP-#2
WB 0.59 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 40- 0- 0
or 36.0" 0- 0- 0 40- 0- 0
BC Cont. 0- 0- 0 40- 0- 0
or 120.0" 0- 0- 0 40- 0- 0

Continuous Lateral Restraint
req'd at mid-point of webs:
K -H G -L
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1818 131 U 162 R
D 1740 115 U 211 R

Jt	Brg Size	Required
A	3.5"	2.1"
D	3.5"	2.1"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -J	0.40	2865 C	0.07 0.33
J -K	0.36	2679 C	0.11 0.25
K -B	0.33	2081 C	0.03 0.30
B -L	0.39	1821 C	0.02 0.37
L -C	0.39	1821 C	0.02 0.37
C -M	0.34	1759 C	0.02 0.32
M -N	0.40	1577 C	0.06 0.34
-----Bottom Chords-----			
A -I	0.82	2468 T	0.50 0.32
I -S1	0.88	2144 T	0.44 0.44
S1-H	0.93	2144 T	0.44 0.49

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 339.4 LBS

	H -G	0.76	1794 T	0.36	0.40
G -S2	0.52	1514 T	0.31	0.21	
S2-F	0.56	1514 T	0.31	0.25	
F -E	0.51	1375 T	0.28	0.23	
E -D	0.22	177 T	0.00	0.22	

	J -I	0.09	248 C
I -K	0.17	459 T	
K -H	0.21	533 C	
H -B	0.27	713 T	
B -G	0.17	105 T	
G -L	0.18	370 C	
L -C	0.22	591 T	
C -F	0.04	149 T	
F -M	0.07	225 T	
E -M	0.45	574 C	
E -N	0.59	1573 T	
D -N	0.42	1695 C	

CT Defl -0.43" in I -H L/999
LL Defl -0.26" in I -H L/999
Shear // Grain in B -L 0.24

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 8.0 1.2 0.7 0.83
J MT20 5.0x 6.0-0.3 0.5 0.59
K MT20 4.0x 5.0 Ctr Ctr 0.27
B MT20 5.0x 8.0 0.9-3.5 0.76
L MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 8.0-0.9-3.5 0.54
M MT20 4.0x 5.0 Ctr Ctr 0.29
N MT20 5.0x 6.0 Ctr-0.2 0.99
I MT20 4.0x 5.0 Ctr Ctr 0.25
S1 MT20 4.0x 6.0 Ctr Ctr 0.2 0.62
H MT20 4.0x 5.0 Ctr Ctr 0.38
G MT20 4.0x 8.0 Ctr Ctr 0.32
S2 MT20 3.0x 6.0 Ctr Ctr 0.73
F MT20 4.0x 5.0 Ctr Ctr 0.24
E MT20 4.0x 5.0 Ctr Ctr 0.71
D MT20 2.0x 4.0 Ctr Ctr 0.44

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

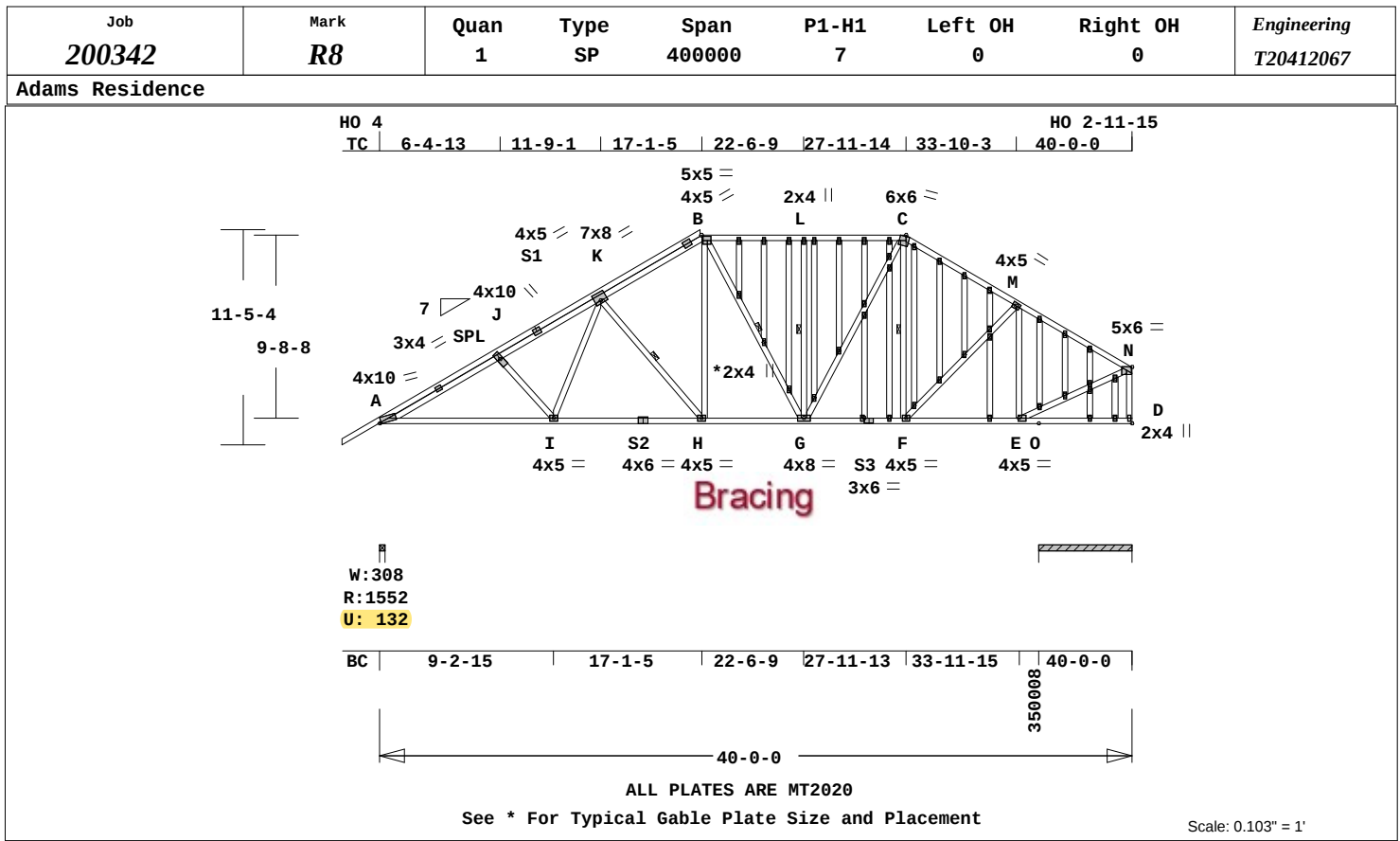
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed

for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 2865 Lbs
Max tens. force 2468 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.95 2x 4 SP-#2
BC 0.70 2x 4 SP-#2
WB 0.51 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 40- 0- 0
BC Cont. 0- 0- 0 40- 0- 0
or 120.0" 0- 0- 0 40- 0- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
K -H B -G G -L F -C
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
Fb Fc Ft Emin
TC 1.15 1.10 1.10 1.10
BC 1.10 1.10 1.10 1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1552 132 U 164 R
O 1524 114 U 208 R

Jt Brg Size Required
A 3.5" 1.8"
O 59.5" 421"-to- 480"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -J 0.33 2314 C 0.09 0.24
J -S1 0.10 1187 C 0.01 0.09
J -S1 0.11 1187 C 0.01 0.10
S1-K 0.10 1146 C 0.01 0.09
S1-K 0.11 1146 C 0.01 0.10
K -B 0.19 868 C 0.00 0.19

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 545.8 LBS
K -B 0.21 868 C 0.00 0.21
B -B 0.95 1472 C 0.02 0.93
B -L 0.31 1393 C 0.01 0.30
L -C 0.31 1393 C 0.01 0.30
C -M 0.39 1348 C 0.01 0.38
M -N 0.39 1098 C 0.00 0.39
-----Bottom Chords-----
A -I 0.70 2002 T 0.24 0.46
I -S2 0.63 1663 T 0.20 0.43
S2-H 0.49 1663 T 0.34 0.15
H -G 0.43 1403 T 0.28 0.15
G -S3 0.33 1157 T 0.23 0.10
S3-F 0.41 1157 T 0.23 0.18
F -E 0.46 963 T 0.19 0.27
E -O 0.40 177 T 0.00 0.40
O -D 0.40 27 T 0.00 0.40
-----Webs-----
J -I 0.12 310 C
I -K 0.16 477 T
K -H 0.16 432 C 1 Br
H -B 0.17 480 T
B -G 0.06 100 C 1 Br
G -L 0.16 330 C 1 Br
G -C 0.18 492 T
F -C 0.02 91 T 1 Br
F -M 0.10 299 T
E -M 0.51 675 C
E -N 0.40 1065 T
D -N 0.26 1148 C WindLd

CT Defl -0.30" in A -I L/999
LL Defl -0.14" in A -I L/999
Shear // Grain in E -O 0.36

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x10.0 2.6 1.4 0.47
J MT20 4.0x10.0 Ctr Ctr 0.69
S1 MT20 4.0x 5.0 Ctr Ctr 0.58
K MT20 7.0x 8.0-0.9 1.5 0.28
B MT20 4.0x 5.0 Ctr Ctr 0.58
B MT20 5.0x 5.0 Ctr 0.3 0.24
L MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 6.0x 6.0-1.5-3.7 0.71
M MT20 4.0x 5.0 Ctr Ctr 0.29
N MT20 5.0x 6.0 Ctr-0.2 0.67
I MT20 4.0x 5.0 Ctr Ctr 0.25
S2 MT20 4.0x 6.0 Ctr 0.2 0.55
H MT20 4.0x 5.0 Ctr Ctr 0.24
G MT20 4.0x 8.0 Ctr Ctr 0.25
S3 MT20 3.0x 6.0 Ctr Ctr 0.44
F MT20 4.0x 5.0 Ctr Ctr 0.24
E MT20 4.0x 5.0 Ctr Ctr 0.51

19 Gable studs to be attached
with 2.0x4.0 plates each end.
REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

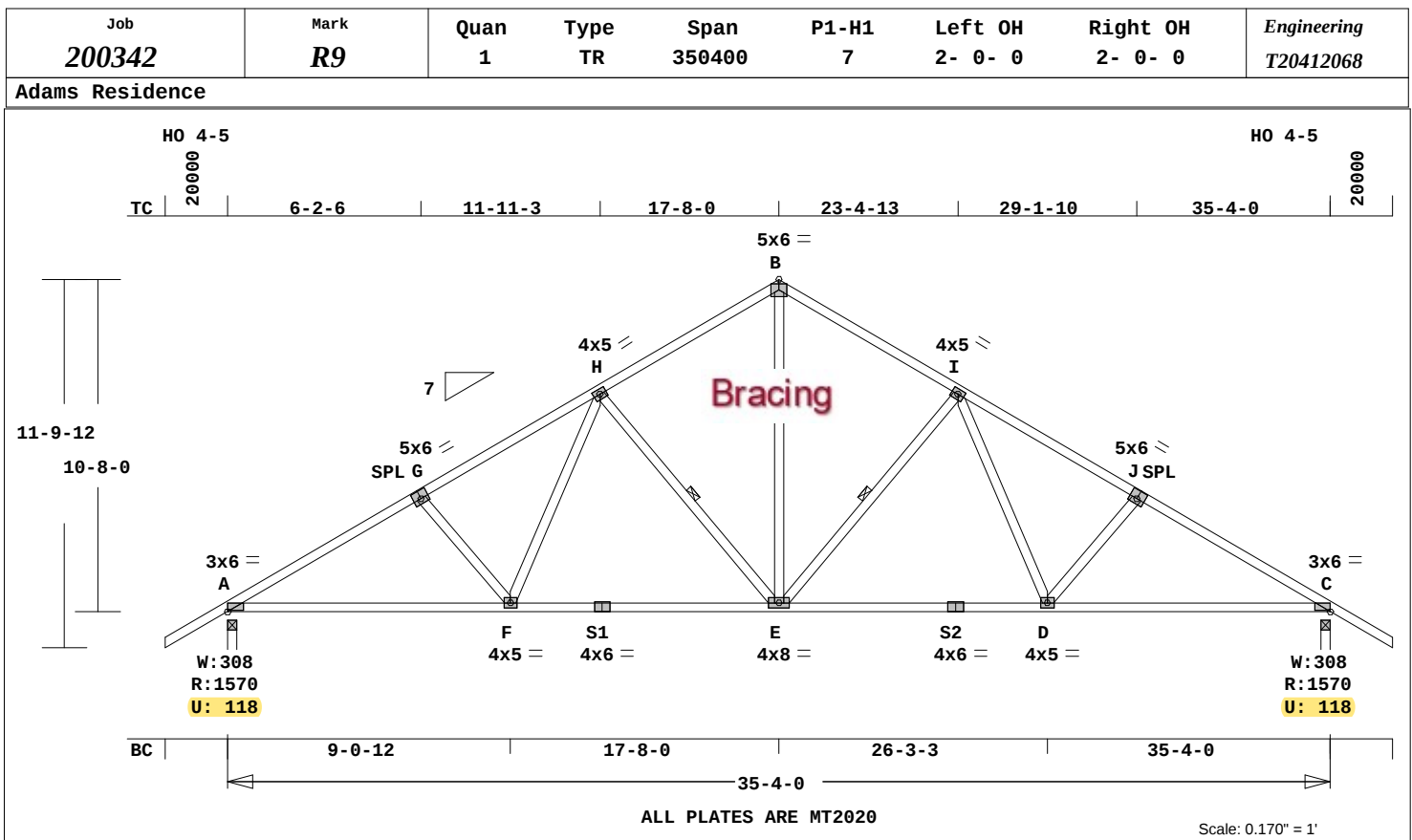
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Truss designed for wind loads
in the plane of the truss
only. For studs exposed to
wind (normal to the face),
see Standard Industry Gable
End Details as applicable,
or consult qualified
Building Designer as per
ANSI/TPI 1.

Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 2314 Lbs
Max tens. force 2002 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.33 2x 4 SP-#2
BC 0.94 2x 4 SP-#2
WB 0.46 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 35- 4- 0
or 42.0" 0- 0- 0 35- 4- 0
BC Cont. 0- 0- 0 35- 4- 0
or 120.0" 0- 0- 0 35- 4- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
H -E E -I
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1571 119 U 183 R
C 1571 119 U 184 R

Jt	Brg Size	Required
A	3.5"	1.9"
C	3.5"	1.9"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.31	2372	C	0.05	0.26
G -H	0.33	2171	C	0.04	0.29
H -B	0.31	1522	C	0.02	0.29
B -I	0.31	1522	C	0.02	0.29
I -J	0.33	2171	C	0.04	0.29
J -C	0.31	2372	C	0.05	0.26
-----Bottom Chords-----					

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 249.5 LBS

	A -F	0.80	2048	T	0.42	0.38
F -S1	0.74	1687	T	0.34	0.40	
S1-E	0.94	1687	T	0.34	0.60	
E -S2	0.94	1687	T	0.34	0.60	
S2-D	0.74	1687	T	0.34	0.40	
D -C	0.80	2048	T	0.42	0.38	
-----Webs-----						
G -F	0.12	273	C			
F -H	0.19	504	T			
H -E	0.25	593	C			1 Br
E -B	0.46	1231	T			
E -I	0.25	593	C			1 Br
I -D	0.19	504	T			
D -J	0.12	273	C			

CT Defl -0.44" in F -E L/951
LL Defl -0.29" in F -E L/999
Shear // Grain in F -S1 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X JSI
A MT20 3.0x 6.0 0.2 0.1 0.90
G MT20 5.0x 6.0-0.3 0.5 0.62
H MT20 4.0x 5.0 Ctr Ctr 0.28
B MT20 5.0x 6.0 Ctr-0.2 0.47
I MT20 4.0x 5.0 Ctr Ctr 0.28
J MT20 5.0x 6.0 0.3 0.5 0.62
C MT20 3.0x 6.0-0.2 0.1 0.90
F MT20 4.0x 5.0 Ctr Ctr 0.27
S1 MT20 4.0x 6.0 Ctr Ctr 0.2 0.66
E MT20 4.0x 8.0 Ctr Ctr 0.47
S2 MT20 4.0x 6.0 Ctr Ctr 0.2 0.66
D MT20 4.0x 5.0 Ctr Ctr 0.27

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

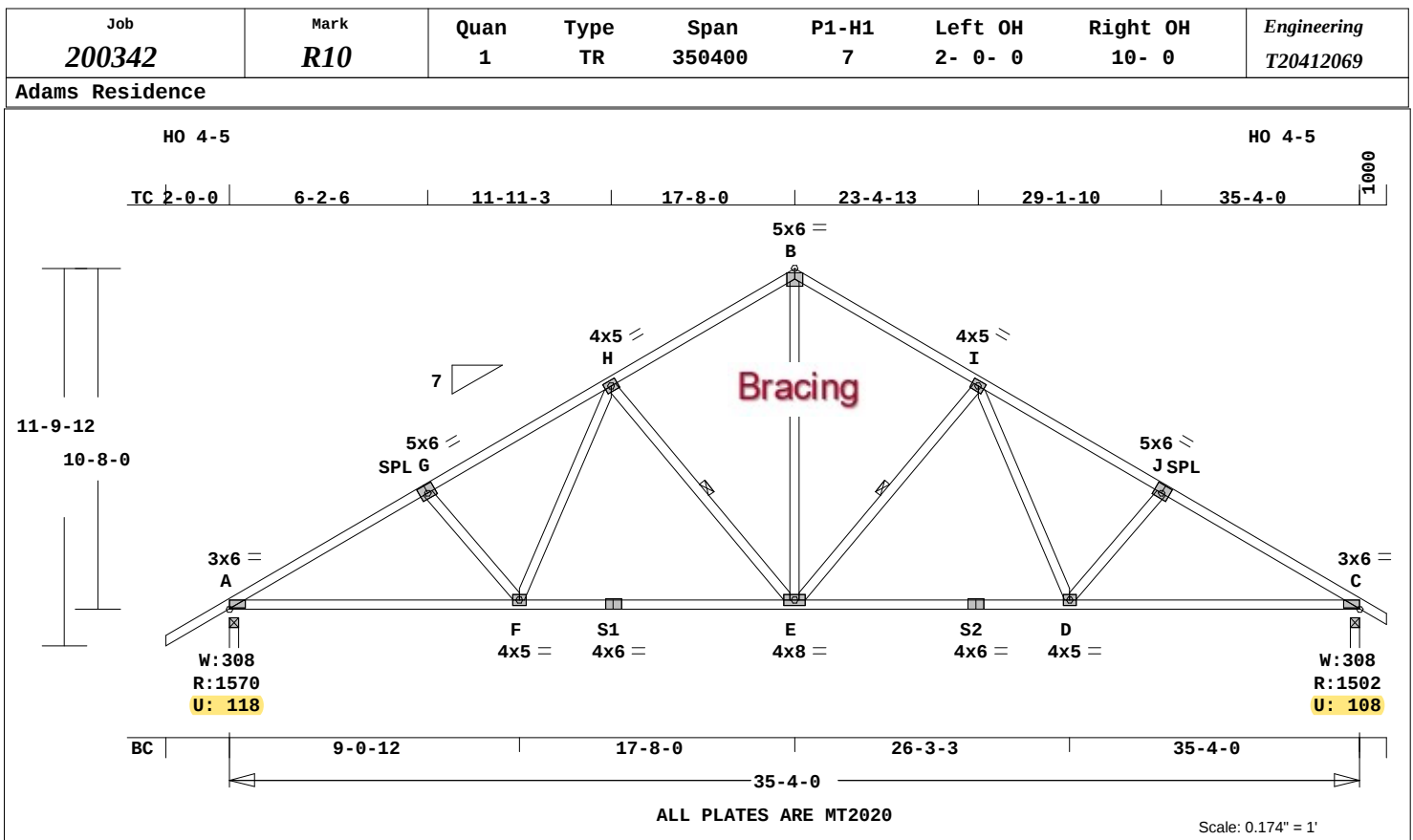
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 2372 Lbs
Max tens. force 2048 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- Lumber----

TC	0.33	2x 4	SP-#2
BC	0.94	2x 4	SP-#2
WB	0.46	2x 4	SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 35- 4- 0
or 42.0" 0- 0- 0 35- 4- 0
BC Cont. 0- 0- 0 35- 4- 0
or 120.0" 0- 0- 0 35- 4- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
H -E E -I
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1571 119 U 183 R
C 1503 108 U 184 R

Jt	Brg Size	Required
A	3.5"	1.9"
C	3.5"	1.8"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.31	2372	C	0.05	0.26
G -H	0.33	2171	C	0.04	0.29
H -B	0.31	1523	C	0.02	0.29
B -I	0.30	1523	C	0.02	0.28
I -J	0.32	2173	C	0.04	0.28
J -C	0.31	2374	C	0.05	0.26
-----Bottom Chords-----					

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 247.0 LBS

A -F	0.80	2048	T	0.42	0.38
F -S1	0.74	1687	T	0.34	0.40
S1 -E	0.94	1687	T	0.34	0.60
E -S2	0.94	1688	T	0.34	0.60
S2 -D	0.74	1688	T	0.34	0.40
D -C	0.80	2050	T	0.42	0.38
-----Webs-----					
G -F	0.12	273	C		
F -H	0.19	504	T		
H -E	0.25	593	C	1 Br	
E -B	0.46	1232	T		
E -I	0.25	594	C	1 Br	
I -D	0.19	506	T		
D -J	0.12	273	C		

CT Defl -0.44" in F -E L/951
LL Defl -0.29" in F -E L/999
Shear // Grain in F -S1 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 0.2 0.1 0.90
G MT20 5.0x 6.0-0.3 0.5 0.62
H MT20 4.0x 5.0 Ctr Ctr 0.28
B MT20 5.0x 6.0 Ctr-0.2 0.47
I MT20 4.0x 5.0 Ctr Ctr 0.28
J MT20 5.0x 6.0 0.3 0.5 0.62
C MT20 3.0x 6.0-0.2 0.1 0.90
F MT20 4.0x 5.0 Ctr Ctr 0.27
S1 MT20 4.0x 6.0 Ctr Ctr 0.2 0.66
E MT20 4.0x 8.0 Ctr Ctr 0.47
S2 MT20 4.0x 6.0 Ctr Ctr 0.2 0.66
D MT20 4.0x 5.0 Ctr Ctr 0.27

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:

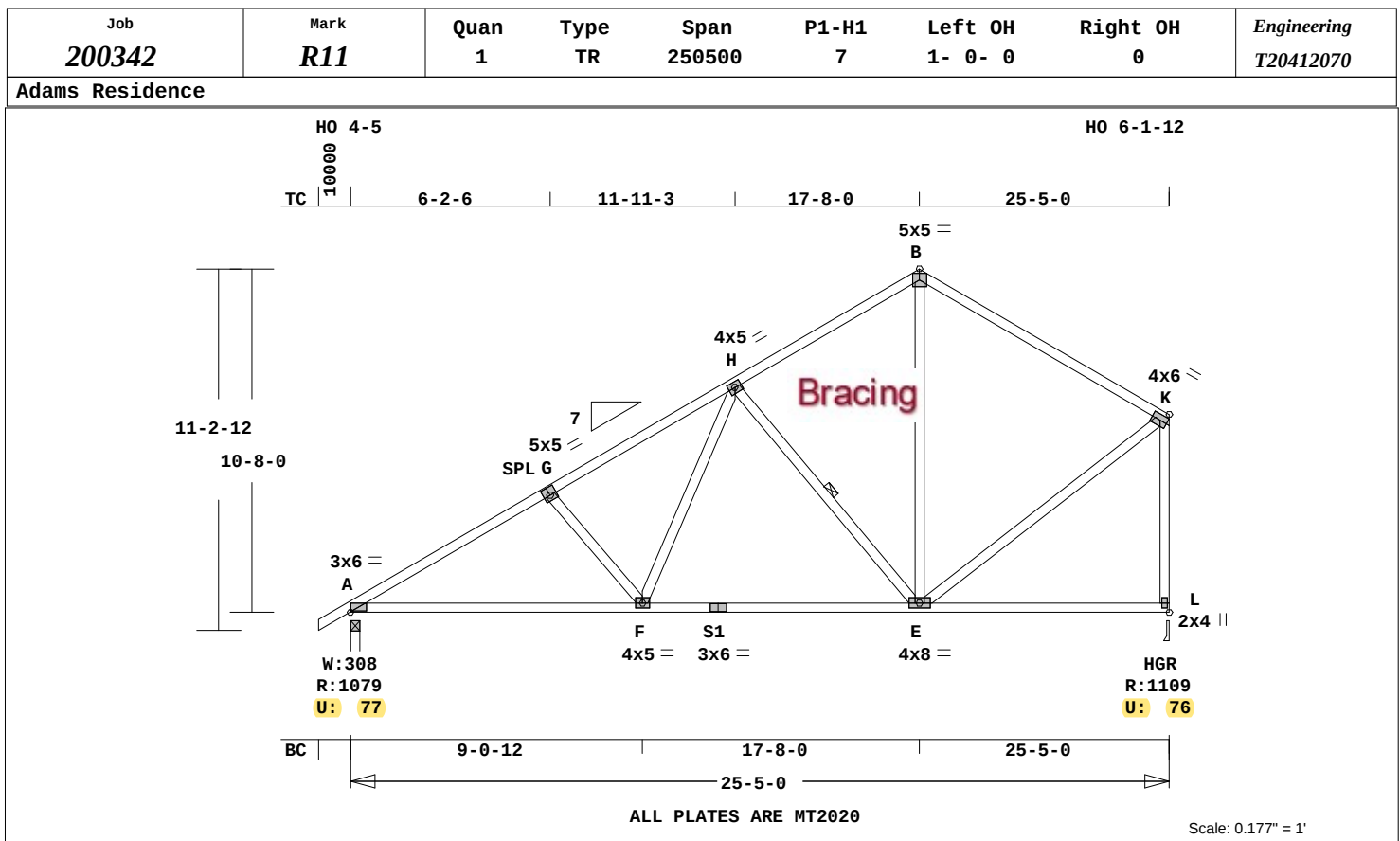
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 2374 Lbs
Max tens. force 2050 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.90 2x 4 SP-#2
BC 0.73 2x 4 SP-#2
WB 0.68 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 25- 5- 0
BC Cont. 0- 0- 0 25- 5- 0
or 120.0" 0- 0- 0 25- 5- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
H - E
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
	Fb Fc Ft Emin	
TC	1.15 1.10 1.10 1.10	
BC	1.10 1.10 1.10 1.10	

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1079 77 U 164 R
L 1110 77 U 251 R

Jt	Brg Size	Required
A	3.5"	1.5"
L	3.5"	1.5"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A - G	0.31	1548 C	0.01 0.30
G - H	0.31	1343 C	0.01 0.30
H - B	0.37	669 C	0.00 0.37
B - K	0.90	663 C	0.02 0.88

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 192.2 LBS

-----Bottom Chords-----					
A - F	0.70	1342 T	0.27	0.43	
F - S1	0.68	956 T	0.19	0.49	
S1 - E	0.73	956 T	0.19	0.54	
E - L	0.49	186 T	0.00	0.49	
-----Webs-----					
G - F	0.12	287 C			
F - H	0.20	538 T			
H - E	0.25	588 C			1 Br
E - B	0.10	333 T			
E - K	0.28	739 T			
L - K	0.68	979 C			WindLd

CT Defl -0.28" in F - E L/999
LL Defl -0.20" in F - E L/999
Shear // Grain in B - K 0.25

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 0.2 0.1 0.59
G MT20 5.0x 5.0 0.3 0.5 0.73
H MT20 4.0x 5.0 Ctr Ctr 0.32
B MT20 5.0x 5.0 Ctr Ctr 0.84
K MT20 4.0x 6.0 0.1 0.1 0.92
F MT20 4.0x 5.0 Ctr Ctr 0.29
S1 MT20 3.0x 6.0 Ctr Ctr 0.67
E MT20 4.0x 8.0 Ctr Ctr 0.37
L MT20 2.0x 4.0 Ctr Ctr 0.30

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

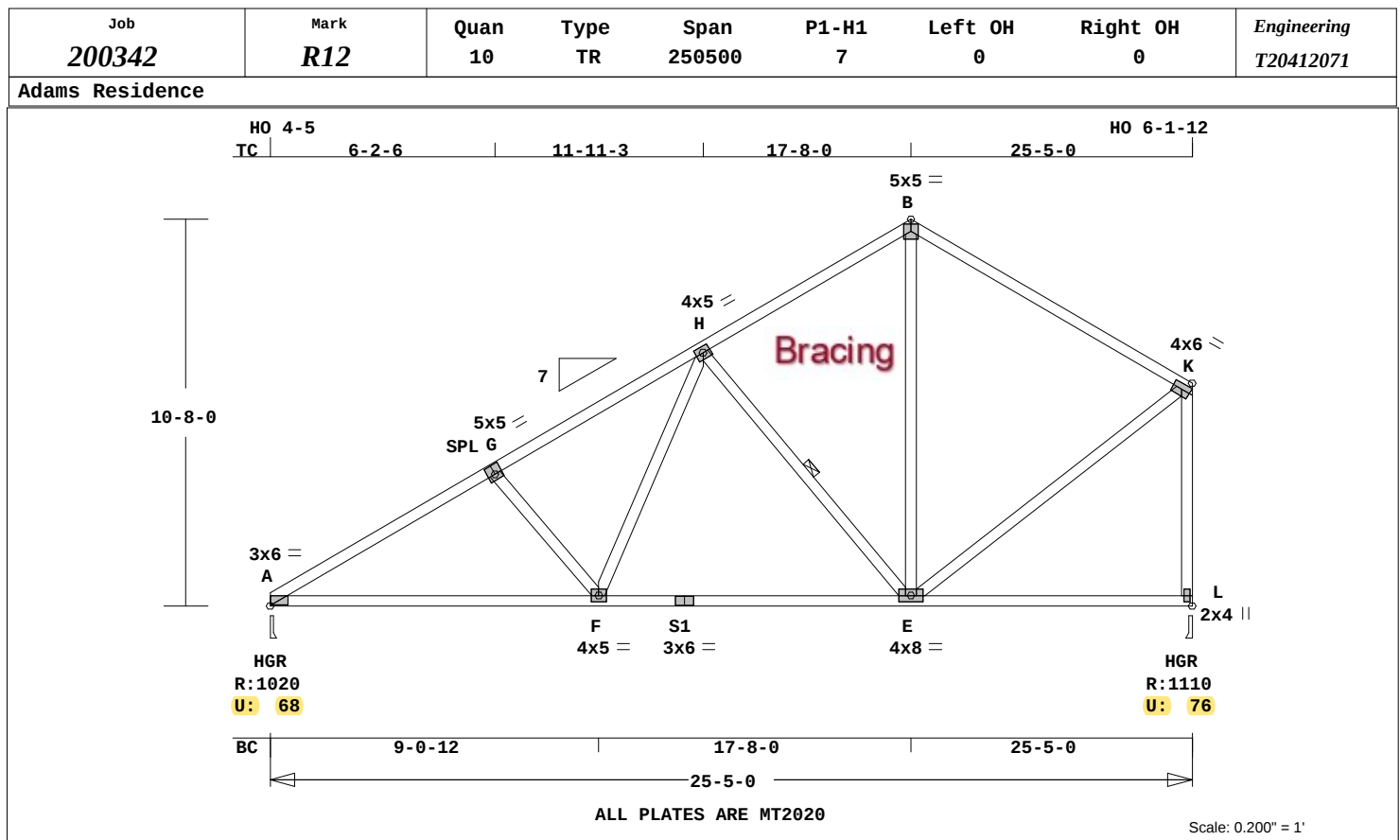
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.

and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 1548 Lbs
Max tens. force 1342 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.90 2x 4 SP-#2
BC 0.73 2x 4 SP-#2
WB 0.68 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 25- 5- 0
BC Cont. 0- 0- 0 25- 5- 0
or 120.0" 0- 0- 0 25- 5- 0
Continuous Lateral Restraint req'd at mid-point of webs:
H -E
Attach CLR with (2)-10d nails at each web.
Refer to BCSI for diagonal restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
	Fb Fc Ft Emin	
TC	1.15 1.10 1.10 1.10	
BC	1.10 1.10 1.10 1.10	

Total Load Reactions (Lbs)
Jt Down Uplift Horiz
A 1021 68 U 164 R
L 1110 77 U 251 R

Jt	Brg Size	Required
A	3.5"	1.5"
L	3.5"	1.5"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.31	1549	C	0.01	0.30
G -H	0.31	1345	C	0.01	0.30

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 190.0 LBS

H -B	0.37	669	C	0.00	0.37
B -K	0.90	663	C	0.02	0.88
-----Bottom Chords-----					
A -F	0.70	1344	T	0.27	0.43
F -S1	0.68	957	T	0.19	0.49
S1-E	0.73	957	T	0.19	0.54
E -L	0.49	186	T	0.00	0.49
-----Webs-----					
G -F	0.12	289	C		
F -H	0.20	540	T		
H -E	0.25	589	C		1 Br
E -B	0.10	333	T		
E -K	0.28	739	T		
L -K	0.68	979	C		WindLd

CT Defl -0.28" in F -E L/999
LL Defl -0.20" in F -E L/999
Shear // Grain in B -K 0.25

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 6.0 0.2 0.1 0.59
G MT20 5.0x 5.0 0.3 0.5 0.74
H MT20 4.0x 5.0 Ctr Ctr 0.32
B MT20 5.0x 5.0 Ctr Ctr 0.84
K MT20 4.0x 6.0 0.1 0.1 0.92
F MT20 4.0x 5.0 Ctr Ctr 0.29
S1 MT20 3.0x 6.0 Ctr Ctr 0.67
E MT20 4.0x 8.0 Ctr Ctr 0.37
L MT20 2.0x 4.0 Ctr Ctr 0.30

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

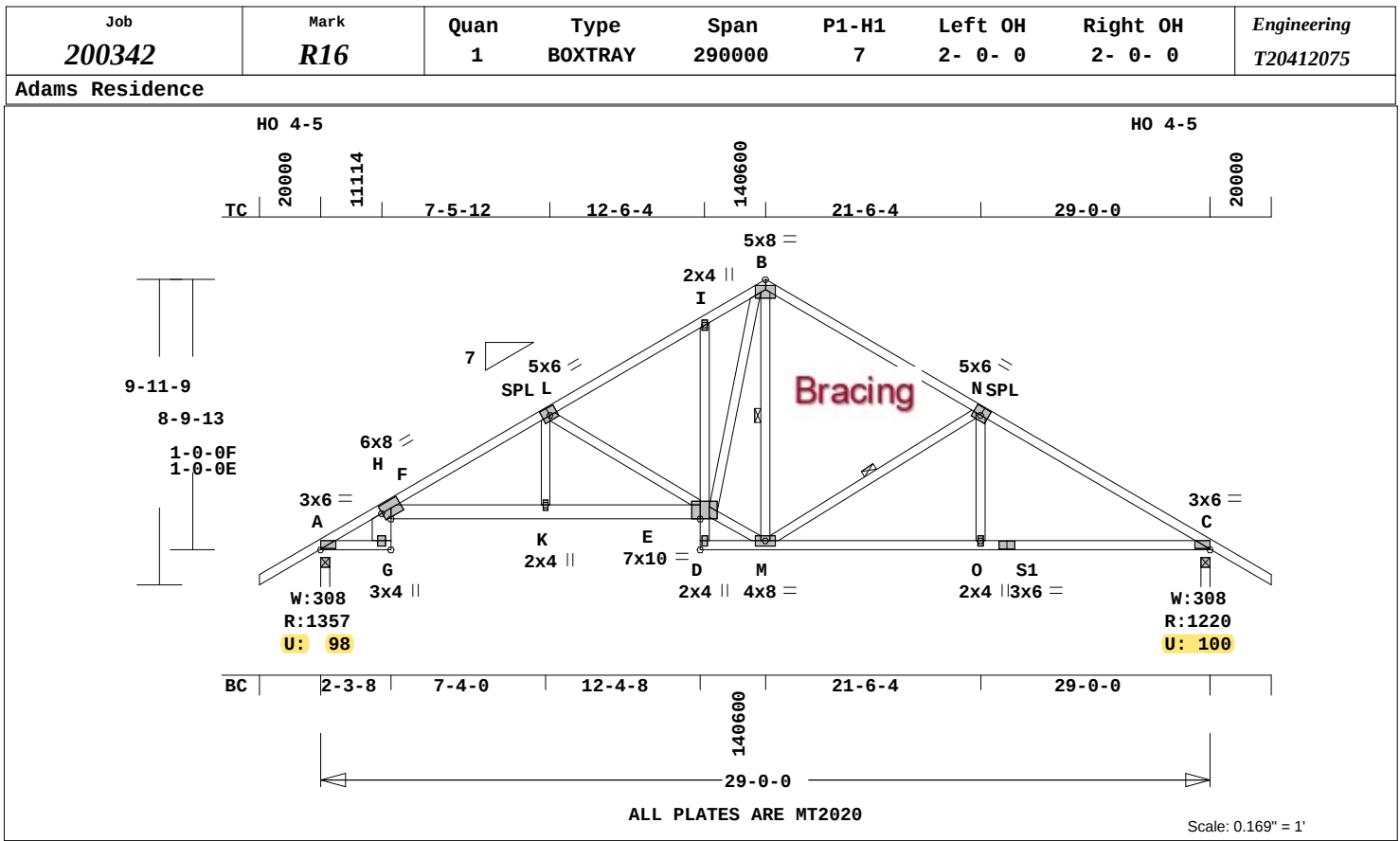
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by

2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main Wind-Force Resistance System - Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 1549 Lbs
Max tens. force 1344 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 2.0 which is used to calculate Vert(CT) deflection per ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
 RUN DATE: 08-JUN-20

Southern Pine lumber design
 values are those effective
 06-01-13 by SPIB//ALSC UON
 CSI -Size- ----Lumber----

TC	0.71	2x 4	SP-#2
BC	0.76	2x 6	M26-MSR2400
--	0.50	2x 4	SP-#2
A -G	D -S1	S1-C	
--	0.35	2x 8	SP-2400f-2.0E
G -H			
CW	0.60	2x 4	SP-#3
WB	0.75	2x 4	SP-#3
M26-MSR2400	is	SP-M26	
or	SP-2400f-2.0E		

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	29- 0- 0
or 30.0"	0- 0- 0	29- 0- 0
BC Cont.	0- 0- 0	29- 0- 0
or 72.0"	0- 0- 0	29- 0- 0

Continuous Lateral Restraint
 req'd at mid-point of webs:

M -B M -N

Attach CLR with (2)-10d nails
 at each web.

Refer to BCSI for diagonal
 restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc Ft Emin
TC	1.15	1.10 1.10 1.10
BC	1.10	1.10 1.10 1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1357	98 U	144 R
C	1221	101 U	144 R

Jt	Brg Size	Required
A	3.5"	1.6"
C	3.5"	1.5"

Plus 15 Wind Load Case(s)
 Plus 1 LL Load Case(s)
 Plus 1 BC LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -H	0.50	1784	C	0.02 0.48
H -L	0.71	2472	C	0.08 0.63
L -I	0.40	1473	C	0.01 0.39
I -B	0.09	1454	C	0.01 0.08

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 226.8 LBS

B -N	0.49	1136	C	0.01 0.48
N -C	0.51	1662	C	0.02 0.49
-----Bottom Chords-----				
A -G	0.50	1436	T	0.29 0.21
G -H	0.35	65	C	0.00 0.35
H -K	0.76	2171	T	0.10 0.66
K -E	0.26	2171	T	0.10 0.16
D -M	0.20	115	T	0.00 0.20
M -O	0.47	1442	T	0.17 0.30
O -S1	0.50	1442	T	0.29 0.21
S1-C	0.47	1442	T	0.29 0.18
-----Chord-Webs-----				
D -E	0.60	23	C	0.00 0.60
E -I	0.03	163	C	0.02 0.01
-----Webs-----				
K -L	0.27	714	T	
L -E	0.75	1076	C	
E -B	0.43	1150	T	
E -M	0.37	979	T	
M -B	0.03	102	T	1 Br
M -N	0.20	556	C	1 Br
O -N	0.09	303	T	

CT Defl	-0.44"	in F -K	L/768
LL Defl	-0.27"	in F -K	L/999
Shear //	Grain	in G -H	0.83

Plates for each ply each face.

Plate	MT20	20 Ga,	Gross Area
Plate - MT20	20 Ga,	Gross Area	
Plate - MS18	18 Ga,	Gross Area	

Jt	Type	Plt	Size	X	Y	JSI
A	MT20	3.0x	6.0	0.2	0.1	0.69
H	MT20	6.0x	8.0	Ctr	Ctr	0.69
L	MT20	5.0x	6.0	0.3	0.5	0.80
I	MT20	2.0x	4.0	Ctr	Ctr	0.33
B	MT20	5.0x	8.0	Ctr	0.8	0.93
N	MT20	5.0x	6.0	0.3	0.5	0.91
C	MT20	3.0x	6.0	0.2	0.1	0.63
G	MT20	3.0x	4.0	Ctr	Ctr	0.80
K	MT20	2.0x	4.0	Ctr	Ctr	0.89
E	MT20	7.0x	10.0	Ctr	0.8	0.44
D	MT20	2.0x	4.0	Ctr	Ctr	0.58
M	MT20	4.0x	8.0	Ctr	Ctr	0.48
O	MT20	2.0x	4.0	Ctr	Ctr	0.34
S1	MT20	3.0x	6.0	Ctr	Ctr	0.55

REVIEWED BY:
 MiTek USA, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

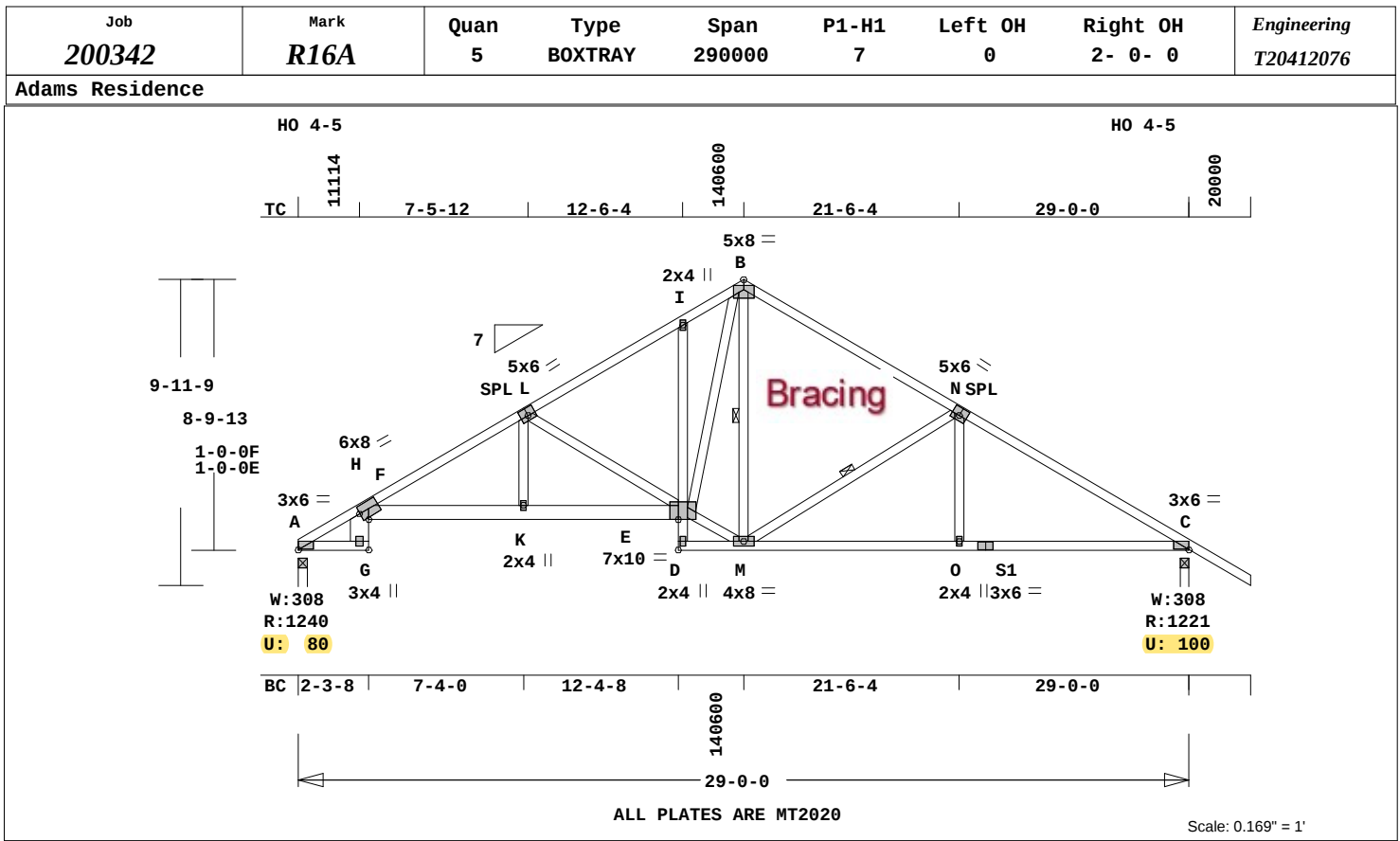
NOTES:
 Trusses Manufactured by:
 RIDGWAY ROOF TRUSSES
 Analysis Conforms To:
 FBC2017
 TPI 2014
 OH Loading

Soffit psf 2.0
 This truss has been designed
 for 20.0 psf LL on the B.C.
 in areas where a rectangle
 3- 6- 0 tall by
 2- 0- 0 wide
 will fit between the B.C.
 and any other member.
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-10
 Truss is designed as a Main
 Wind-Force Resistance System
 - Directional.
 Wind Speed: 130 mph
 Risk Category: II
 Mean Roof Height: 15-0
 Exposure Category: B
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load: 4.0 psf
 BC Dead Load: 6.0 psf
 Max comp. force 2472 Lbs
 Max tens. force 2171 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a
 creep factor of 2.0 which
 is used to calculate
 Vert(CT) deflection per
 ANSI/TPI 1.



Thomas A. Albani PE No.39380
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

June 8,2020



Online Plus -- Version 30.0.071
 RUN DATE: 08-JUN-20

Southern Pine lumber design
 values are those effective
 06-01-13 by SPIB//ALSC UON
 CSI -Size- ----Lumber----

TC	0.72	2x 4	SP-#2
BC	0.77	2x 6	M26-MSR2400
--	0.50	2x 4	SP-#2
A -G	D -S1	S1-C	
--	0.35	2x 8	SP-2400f-2.0E
G -H			
CW	0.60	2x 4	SP-#3
WB	0.75	2x 4	SP-#3
M26-MSR2400	is	SP-M26	
or	SP-2400f-2.0E		

Brace truss as follows:

O.C.	From	To
TC	Cont.	0- 0- 0 29- 0- 0
or	30.0"	0- 0- 0 29- 0- 0
BC	Cont.	0- 0- 0 29- 0- 0
or	72.0"	0- 0- 0 29- 0- 0

Continuous Lateral Restraint
 req'd at mid-point of webs:

M -B M -N

Attach CLR with (2)-10d nails
 at each web.

Refer to BCSI for diagonal
 restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc Ft Emin
TC	1.15	1.10 1.10 1.10
BC	1.10	1.10 1.10 1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1241	80 U	144 R
C	1221	101 U	144 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 15 Wind Load Case(s)
 Plus 1 LL Load Case(s)
 Plus 1 BC LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -H	0.50	1800	C	0.02 0.48
H -L	0.72	2477	C	0.08 0.64
L -I	0.40	1475	C	0.01 0.39
I -B	0.09	1456	C	0.01 0.08

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 222.4 LBS

B -N	0.49	1137	C	0.01 0.48
N -C	0.51	1663	C	0.02 0.49
-----Bottom Chords-----				
A -G	0.49	1452	T	0.29 0.20
G -H	0.35	59	C	0.00 0.35
H -K	0.77	2176	T	0.10 0.67
K -E	0.26	2176	T	0.10 0.16
D -M	0.20	115	T	0.00 0.20
M -O	0.47	1443	T	0.17 0.30
O -S1	0.50	1443	T	0.29 0.21
S1-C	0.47	1443	T	0.29 0.18
-----Chord-Webs-----				
D -E	0.60	23	C	0.00 0.60
E -I	0.03	163	C	0.02 0.01
-----Webs-----				
K -L	0.27	718	T	
L -E	0.75	1080	C	
E -B	0.43	1152	T	
E -M	0.37	980	T	
M -B	0.03	102	T	1 Br
M -N	0.20	556	C	1 Br
O -N	0.09	303	T	

CT Defl	-0.45"	in F -K	L/764
LL Defl	-0.27"	in F -K	L/999
Shear //	Grain	in G -H	0.84

Plates for each ply each face.

Plate	MT20	20 Ga,	Gross Area
Plate	MT2H	20 Ga,	Gross Area
Plate	MS18	18 Ga,	Gross Area

Jt	Type	Plt	Size	X	Y	JSI
A	MT20	3.0x	6.0	0.2	0.1	0.69
H	MT20	6.0x	8.0	Ctr	Ctr	0.69
L	MT20	5.0x	6.0	0.3	0.5	0.80
I	MT20	2.0x	4.0	Ctr	Ctr	0.33
B	MT20	5.0x	8.0	Ctr	0.8	0.94
N	MT20	5.0x	6.0	0.3	0.5	0.91
C	MT20	3.0x	6.0	0.2	0.1	0.63
G	MT20	3.0x	4.0	Ctr	Ctr	0.80
K	MT20	2.0x	4.0	Ctr	Ctr	0.90
E	MT20	7.0x	10.0	Ctr	0.8	0.44
D	MT20	2.0x	4.0	Ctr	Ctr	0.58
M	MT20	4.0x	8.0	Ctr	Ctr	0.48
O	MT20	2.0x	4.0	Ctr	Ctr	0.34
S1	MT20	3.0x	6.0	Ctr	Ctr	0.55

REVIEWED BY:
 MiTek USA, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

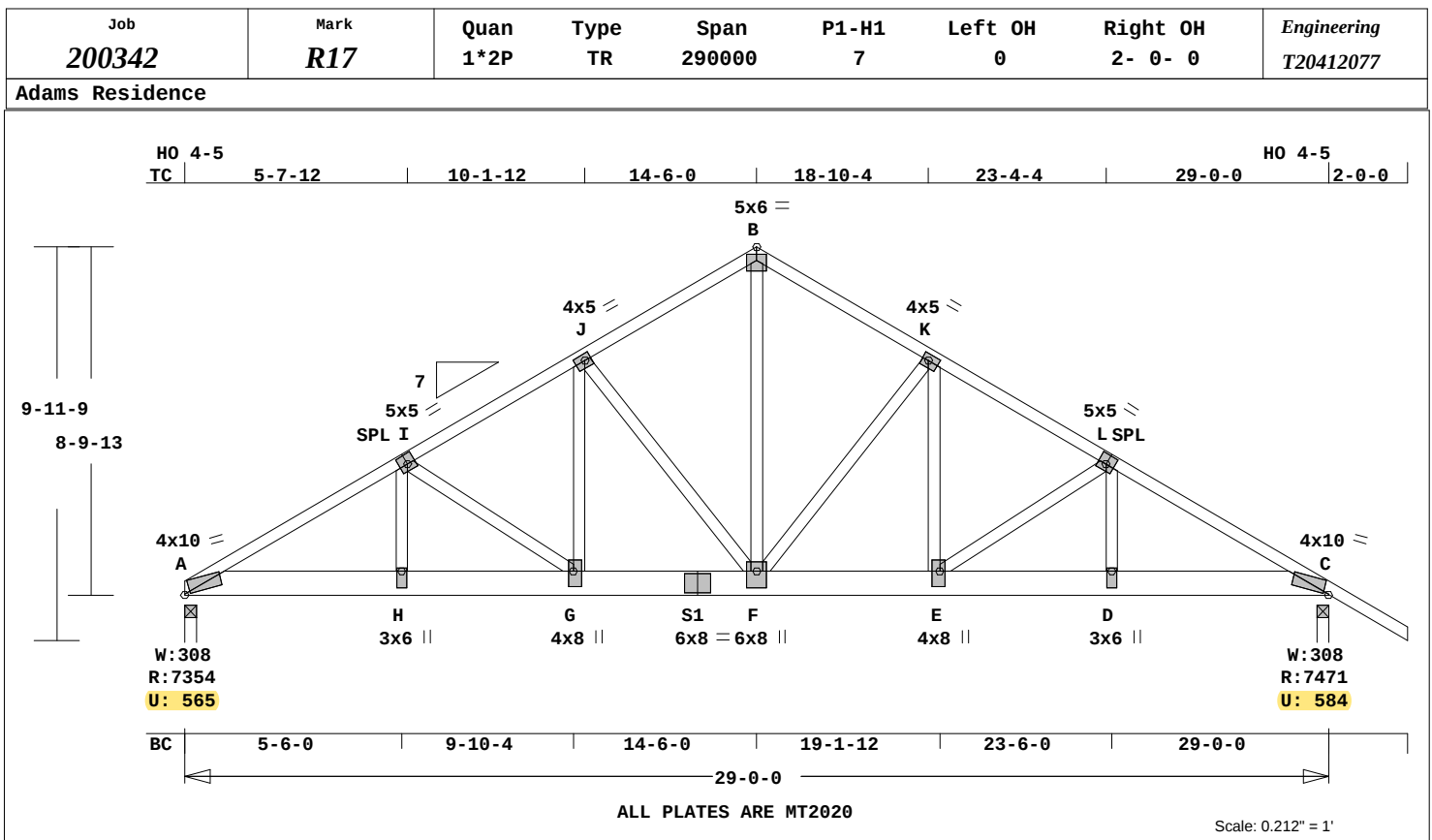
NOTES:
 Trusses Manufactured by:
 RIDGWAY ROOF TRUSS
 Analysis Conforms To:
 FBC2017
 TPI 2014
 OH Loading

Soffit psf 2.0
 This truss has been designed
 for 20.0 psf LL on the B.C.
 in areas where a rectangle
 3- 6- 0 tall by
 2- 0- 0 wide
 will fit between the B.C.
 and any other member.
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-10
 Truss is designed as a Main
 Wind-Force Resistance System
 - Directional.
 Wind Speed: 130 mph
 Risk Category: II
 Mean Roof Height: 15-0
 Exposure Category: B
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load: 4.0 psf
 BC Dead Load: 6.0 psf
 Max comp. force 2477 Lbs
 Max tens. force 2176 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a
 creep factor of 2.0 which
 is used to calculate
 Vert(CT) deflection per
 ANSI/TPI 1.



Thomas A. Albani PE No.39380
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

June 8,2020



Online Plus -- Version 30.0.071
 RUN DATE: 08-JUN-20

 * 2-Ply Truss *

Southern Pine lumber design
 values are those effective
 06-01-13 by SPIB//ALSC UOW
 CSI -Size- ----Lumber-----
 TC 0.86 2x 4 SP-#2
 BC 0.40 2x 8 SP-2400f-2.0E
 WB 0.80 2x 4 SP-#2
 -- 0.67 2x 4 SP-#3
 H -I I -G G -J J -F
 F -K E -K E -L D -L

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 29- 0- 0
 or 30.0" 0- 0- 0 29- 0- 0
 BC Cont. 0- 0- 0 29- 0- 0
 or 120.0" 0- 0- 0 29- 0- 0

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
	Fb Fc Ft Emin	
TC	1.00 1.00 1.00 1.00	
BC	1.00 1.00 1.00 1.00	

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 7354 566 U 143 R
 C 7471 584 U 143 R

Jt	Brg Size	Required
A	3.5"	3.0"
C	3.5"	3.1"

LC# 1 Girder Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 14 40 0.0' 29.0'
 BC V 219 234 0.0' 29.0'

Plus 15 Wind Load Case(s)
 Plus 1 LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -I	0.86	11922	C	0.53 0.33
I -J	0.53	9596	C	0.36 0.17

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 267.9 LBS

J -B	0.36	7382	C	0.25 0.11
B -K	0.36	7382	C	0.25 0.11
K -L	0.53	9595	C	0.36 0.17
L -C	0.86	11917	C	0.53 0.33

-----Bottom Chords-----
 A -H 0.40 10314 T 0.19 0.21
 H -G 0.30 10314 T 0.19 0.11
 G -S1 0.21 8284 T 0.15 0.06
 S1-F 0.25 8284 T 0.15 0.10
 F -E 0.25 8283 T 0.15 0.10
 E -D 0.30 10310 T 0.19 0.11
 D -C 0.40 10310 T 0.19 0.21

-----Webs-----
 H -I 0.43 2288 T
 I -G 0.34 2464 C
 G -J 0.63 3315 T
 J -F 0.67 3064 C
 F -B 0.80 7145 T
 B -K 0.67 3063 C
 E -K 0.63 3314 T
 E -L 0.34 2460 C
 D -L 0.43 2283 T

CT Defl -0.38" in G -F L/888
 LL Defl -0.21" in G -F L/999
 Shear // Grain in A -H 0.37

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Plate - MS18 18 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 4.0x10.0 Ctr Ctr 0.98
 I MT20 5.0x 5.0-0.3 0.5 0.92
 J MT20 4.0x 5.0-0.4-0.3 0.85
 B MT20 5.0x 6.0 Ctr-0.7 0.99
 K MT20 4.0x 5.0 0.4-0.3 0.85
 L MT20 5.0x 5.0 0.3 0.5 0.92
 C MT20 4.0x10.0 Ctr Ctr 0.98
 H MT20 3.0x 6.0 Ctr-2.1 0.84
 G MT20 4.0x 8.0 0.5-0.6 0.88
 S1 MT20 6.0x 8.0 Ctr Ctr 0.79
 F MT20 6.0x 8.0 Ctr-1.1 0.81
 E MT20 4.0x 8.0-0.5-0.6 0.88
 D MT20 3.0x 6.0 Ctr-2.1 0.83

REVIEWED BY:
 MiTek USA, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2017
 TPI 2014

Girder Common
 Loading BC
 Span 25- 5- 0
 2 COMPLETE TRUSSES REQUIRED.
 Fasten plies together in
 staggered pattern.

Connector	Rows	Spacing
TC 10d Gun Nails	1	9.5 in
BC 10d Gun Nails	3	12.0 in
WB 10d Gun Nails	1	8.0 in

Web Connection Exception --
 Space connectors for the
 following webs-
 J -F 1 rows @ 4.0" o.c.
 F -K 1 rows @ 4.0" o.c.
 10d gun nails (0.131"x3")
 must be installed as noted
 above, as each layer is
 applied.

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
 concurrent LL on BC.

Use properly rated hangers for
 loads framing into girder
 truss.

Wind Loads - ANSI / ASCE 7-10

Truss is designed as a Main

Wind-Force Resistance System

- Directional.

Wind Speed: 130 mph

Risk Category : II

Mean Roof Height: 15-0

Exposure Category: B

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 4.0 psf

BC Dead Load : 6.0 psf

Max comp. force 11922 Lbs

Max tens. force 10314 Lbs

Connector Plate Fabrication

Tolerance = 20%

This truss is designed for a

creep factor of 2.0 which

is used to calculate

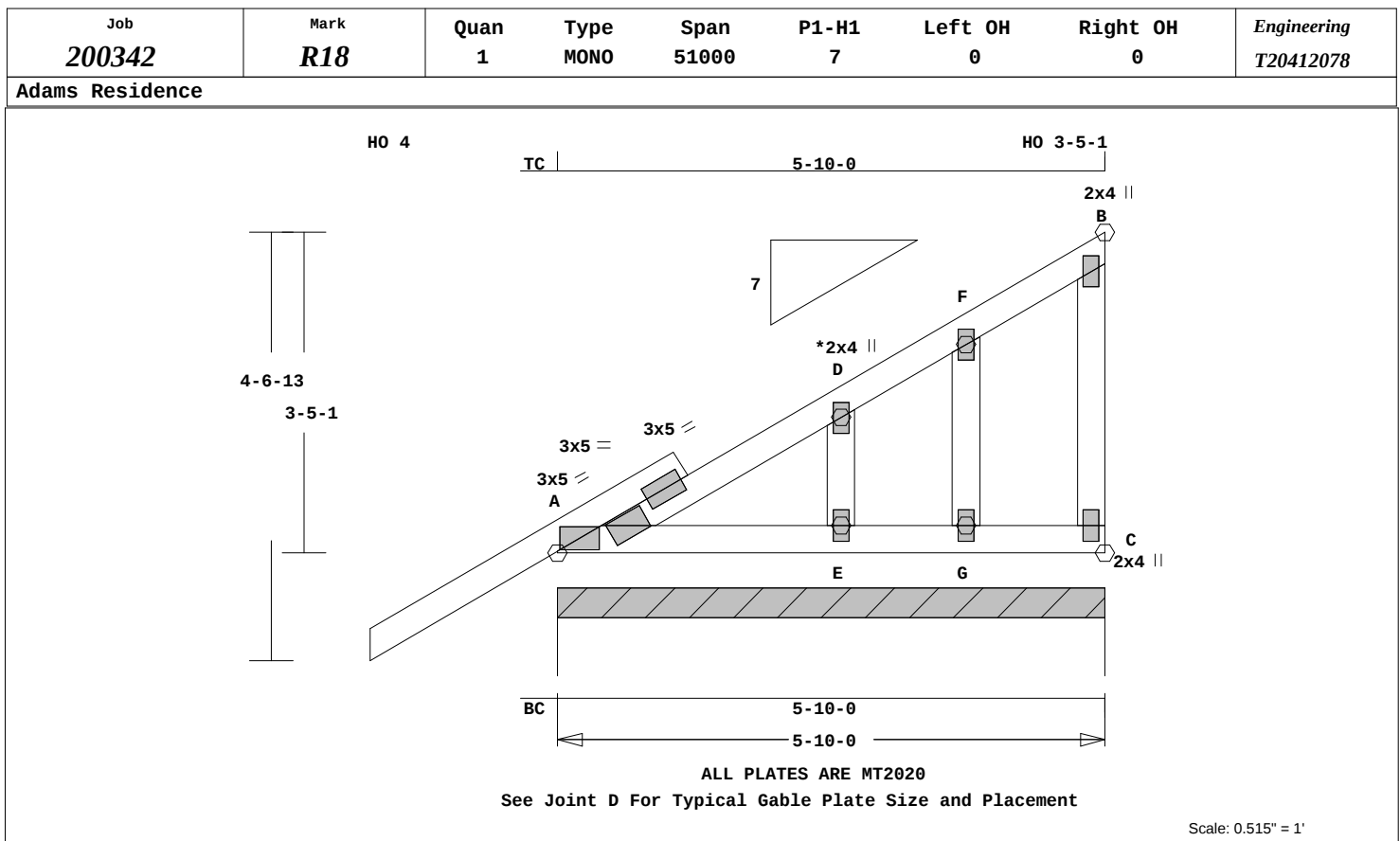
Vert(CT) deflection per

ANSI/TPI 1.



Thomas A. Albani PE No.39380
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON

CSI	-Size-	Lumber----
TC	0.06	2x 4 SP-#2
BC	0.05	2x 4 SP-#2
WB	0.04	2x 4 SP-#3
GW	0.08	2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5-10- 0	
or 48.0"	0- 0- 0	5-10- 0	
BC Cont.	0- 0- 0	5-10- 0	
or 70.0"	0- 0- 0	5-10- 0	

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 432 33 U 89 R

Jt	Brg Size	Required
A	70.0"	0"-to- 70"

Plus 12 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -D	0.06	56	C	0.00	0.06
D -F	0.02	44	C	0.00	0.02
F -B	0.01	25	C	0.00	0.01
-----Bottom Chords-----					
A -E	0.05	4	T	0.00	0.05
E -G	0.02	0	T	0.00	0.02
G -C	0.01	0	T	0.00	0.01

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 41.6 LBS

-----Webs-----			
C -B	0.04	42	C
-----Gable Webs-----			
E -D	0.08	110	C
G -F	0.01	66	C

CT Defl 0.00" in ----- L/999
LL Defl 0.00" in ----- L/999
Shear // Grain in A -D 0.09

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.45
D MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 2.0x 4.0 Ctr Ctr 0.18
E MT20 2.0x 4.0 Ctr Ctr 0.00
G MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 2.0x 4.0 Ctr Ctr 0.22

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014

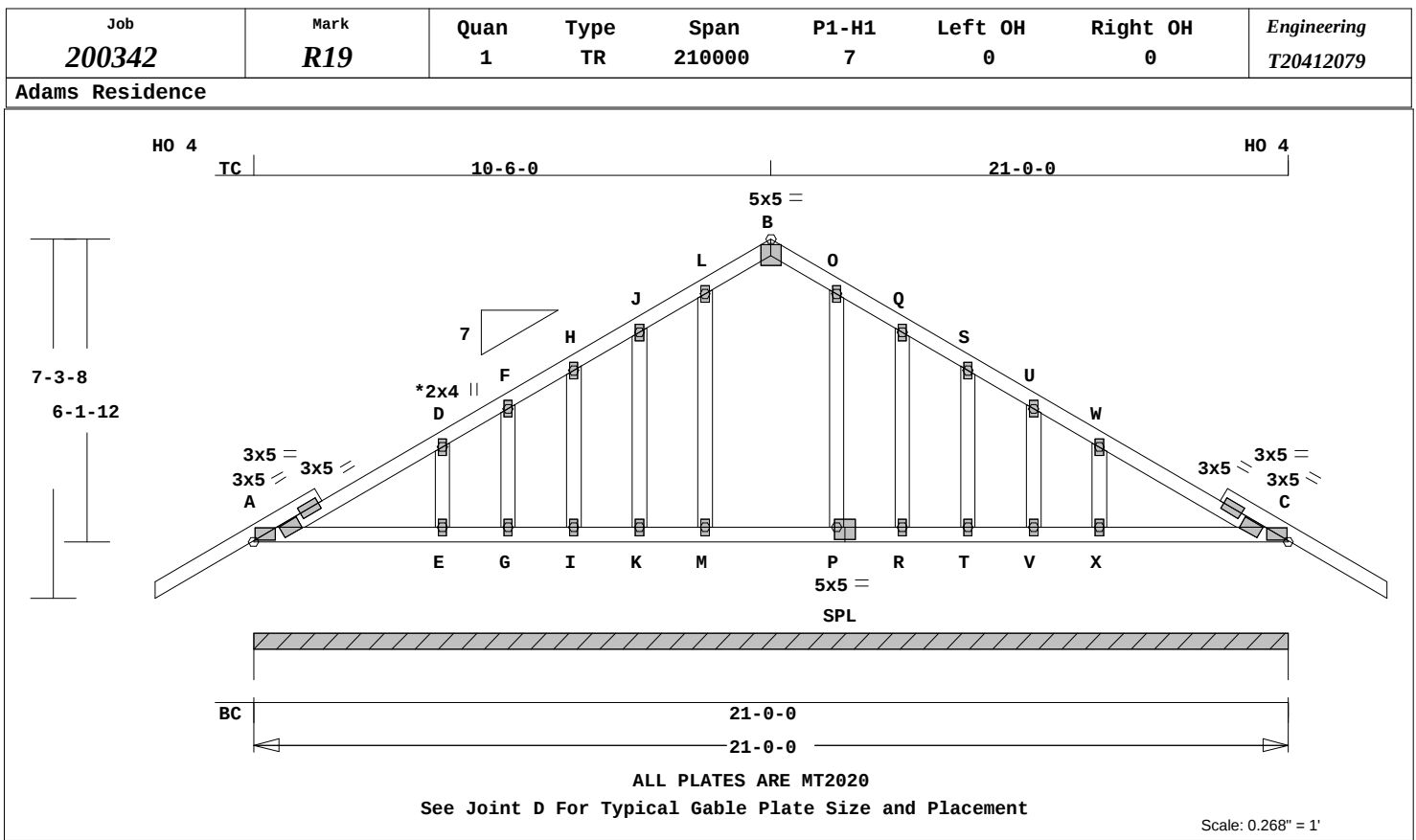
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable,

or consult qualified Building Designer as per ANSI/TPI 1.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main Wind-Force Resistance System - Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 110 Lbs
Max tens. force 44 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a creep factor of 2.0 which is used to calculate Vert(CT) deflection per ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ----Lumber----

TC 0.09 2x 4 SP-#2
BC 0.08 2x 4 SP-#2
GW 0.03 2x 4 SP-#3

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
Fb Fc Ft Emin
TC 1.15 1.10 1.10 1.10
BC 1.10 1.10 1.10 1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1554 120 U 98 R

Jt Brg Size Required
A 252.0" 0" to 252"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -D	0.09	91 C	0.00	0.00
D -F	0.08	105 C	0.00	0.00
F -H	0.01	88 C	0.00	0.01
H -J	0.01	83 C	0.00	0.01
J -L	0.01	85 C	0.00	0.01
L -B	0.01	82 C	0.00	0.01
B -O	0.01	82 C	0.00	0.01
O -Q	0.01	85 C	0.00	0.01
Q -S	0.01	83 C	0.00	0.01
S -U	0.01	88 C	0.00	0.01
U -W	0.08	105 C	0.00	0.00
W -C	0.09	91 C	0.00	0.00
-----Bottom Chords-----				
A -E	0.08	6 T	0.00	0.00
E -G	0.06	0 T	0.00	0.00
G -I	0.01	0 T	0.00	0.01
I -K	0.01	0 T	0.00	0.01
K -M	0.03	0 T	0.00	0.03
M -P	0.03	0 T	0.00	0.03
P -R	0.03	0 T	0.00	0.03
R -T	0.01	0 T	0.00	0.01
T -V	0.01	0 T	0.00	0.01
V -X	0.06	0 T	0.00	0.06
X -C	0.08	6 T	0.00	0.00
-----Gable Webs-----				

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 160.1 LBS

Member	Defl	Value	Unit
E -D	0.03	173 C	
G -F	0.00	38 C	
I -H	0.02	74 C	
K -J	0.03	76 C	
M -L	0.03	61 C	
P -O	0.03	61 C	
R -Q	0.03	76 C	
T -S	0.02	74 C	
V -U	0.00	38 C	
X -W	0.03	173 C	

CT Defl -0.01" in A -E L/999
LL Defl 0.00" in ---- L/999
Shear // Grain in A -D 0.11

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.45
D MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
H MT20 2.0x 4.0 Ctr Ctr 0.00
J MT20 2.0x 4.0 Ctr Ctr 0.00
L MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 5.0x 5.0 Ctr-1.9 0.33
O MT20 2.0x 4.0 Ctr Ctr 0.00
Q MT20 2.0x 4.0 Ctr Ctr 0.00
S MT20 2.0x 4.0 Ctr Ctr 0.00
U MT20 2.0x 4.0 Ctr Ctr 0.00
W MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 5.0 Ctr Ctr 0.45
E MT20 2.0x 4.0 Ctr Ctr 0.00
G MT20 2.0x 4.0 Ctr Ctr 0.00
I MT20 2.0x 4.0 Ctr Ctr 0.00
K MT20 2.0x 4.0 Ctr Ctr 0.00
M MT20 2.0x 4.0 Ctr Ctr 0.00
P MT20 5.0x 5.0 Ctr-0.5 0.51
R MT20 2.0x 4.0 Ctr Ctr 0.00
T MT20 2.0x 4.0 Ctr Ctr 0.00
V MT20 2.0x 4.0 Ctr Ctr 0.00
X MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

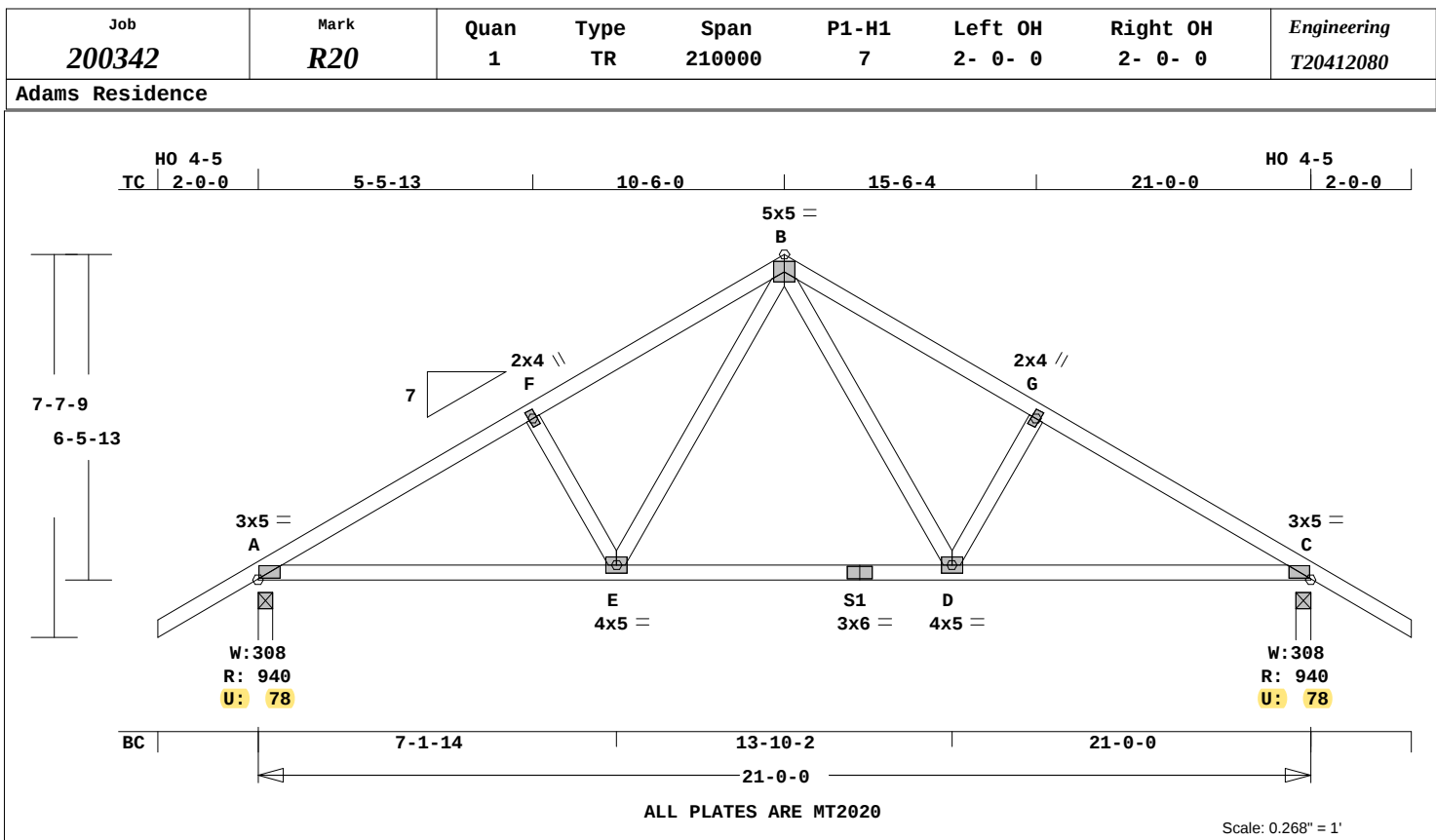
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate
to inside of heel plate.
Design checked for 10 psf non-
concurrent LL on BC.
Truss designed for wind loads
in the plane of the truss

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.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 173 Lbs
Max tens. force 63 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ----Lumber-----
TC 0.23 2x 4 SP-#2
BC 0.45 2x 4 SP-#2
WB 0.18 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 21- 0- 0
or 48.0" 0- 0- 0 21- 0- 0
BC Cont. 0- 0- 0 21- 0- 0
or 120.0" 0- 0- 0 21- 0- 0

psf-Ld	Dead	Live	Spacing	Duration Factor	Fb	Fc	Ft	Emin
TC	7.0	20.0		1.25	1.15	1.10	1.10	1.10
BC	10.0	0.0		1.25	1.10	1.10	1.10	1.10
TC+BC	17.0	20.0						
Total	37.0		24.0"					

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 940 78 U 104 R
C 940 78 U 104 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A - F	0.23	1213 C	0.01 0.22
F - B	0.23	1085 C	0.01 0.22
B - G	0.23	1085 C	0.01 0.22
G - C	0.23	1213 C	0.01 0.22
-----Bottom Chords-----			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 133.2 LBS

Member	Defl	in	Member	Defl	in
A - E	0.45	1051 T	0.21	0.24	
E - S1	0.44	698 T	0.14	0.30	
S1 - D	0.44	698 T	0.14	0.30	
D - C	0.45	1051 T	0.21	0.24	
-----Webs-----					
F - E	0.07	250 C			
E - B	0.18	474 T			
B - D	0.18	474 T			
D - G	0.07	250 C			

CT Defl -0.14" in E - D L/999
LL Defl -0.10" in E - D L/999
Shear // Grain in A - F 0.16

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.56
F MT20 2.0x 4.0 Ctr Ctr 0.30
B MT20 5.0x 5.0 Ctr Ctr 0.43
G MT20 2.0x 4.0 Ctr Ctr 0.30
C MT20 3.0x 5.0 Ctr Ctr 0.56
E MT20 4.0x 5.0 Ctr Ctr 0.23
S1 MT20 3.0x 6.0 Ctr Ctr 0.39
D MT20 4.0x 5.0 Ctr Ctr 0.23

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

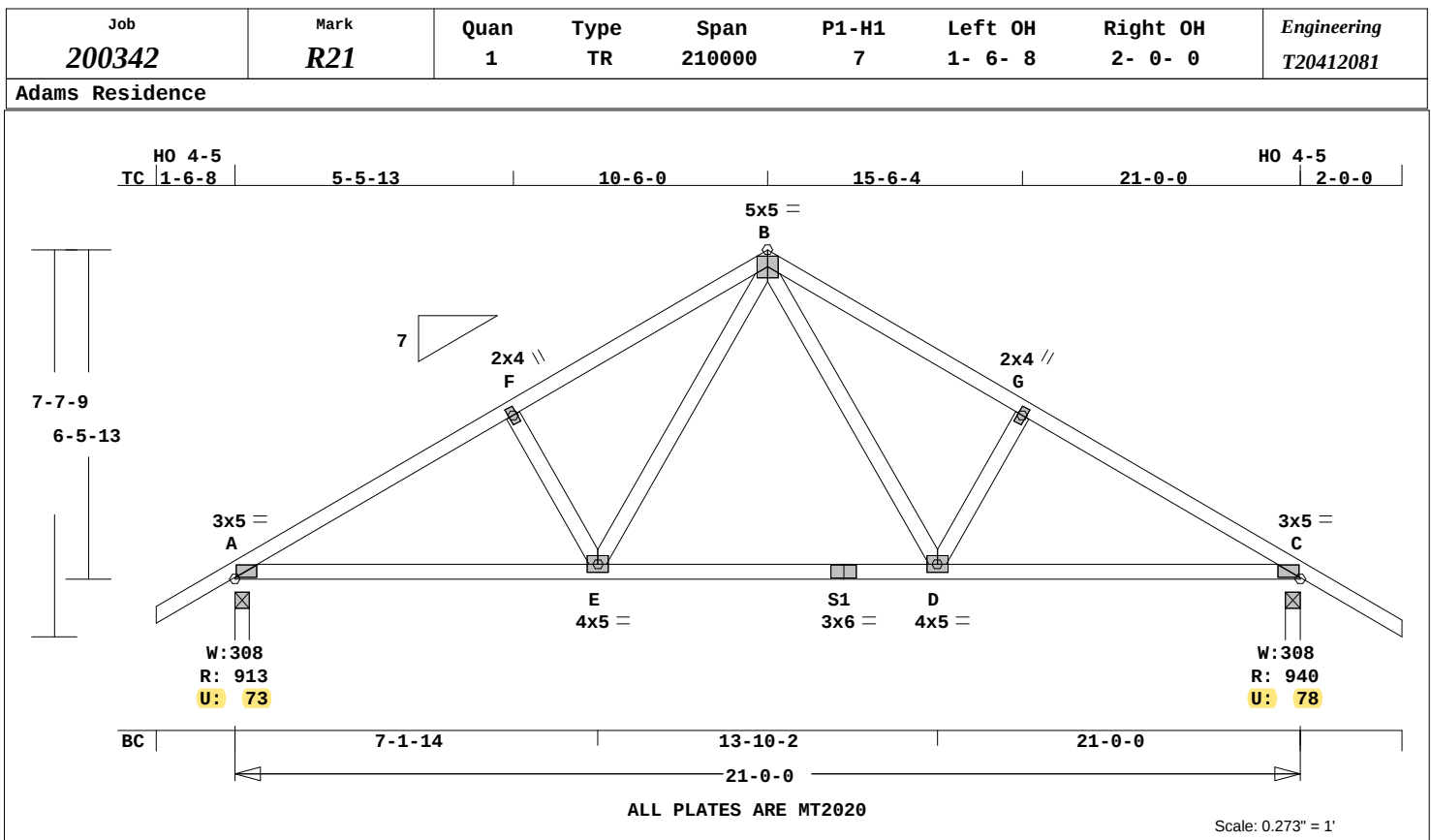
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 1213 Lbs
Max tens. force 1051 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ----Lumber-----
TC 0.23 2x 4 SP-#2
BC 0.45 2x 4 SP-#2
WB 0.18 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	21- 0- 0
or 48.0"	0- 0- 0	21- 0- 0
BC Cont.	0- 0- 0	21- 0- 0
or 120.0"	0- 0- 0	21- 0- 0

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	913	74 U	104 R
C	940	78 U	104 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1	CSI-Bnd
-----Top Chords-----				
A - F	0.23	1214 C	0.01	0.22
F - B	0.23	1086 C	0.01	0.22
B - G	0.23	1085 C	0.01	0.22
G - C	0.23	1214 C	0.01	0.22
-----Bottom Chords-----				
A - E	0.45	1052 T	0.21	0.24

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 132.2 LBS

E - S1	0.44	699 T	0.14	0.30
S1 - D	0.44	699 T	0.14	0.30
D - C	0.45	1052 T	0.21	0.24
-----Webs-----				
F - E	0.07	250 C		
E - B	0.18	475 T		
B - D	0.18	474 T		
D - G	0.07	250 C		

CT Defl	-0.14"	in E - D	L/999
LL Defl	-0.10"	in E - D	L/999
Shear // Grain	in A - F	0.16	

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.56
F MT20 2.0x 4.0 Ctr Ctr 0.30
B MT20 5.0x 5.0 Ctr Ctr 0.43
G MT20 2.0x 4.0 Ctr Ctr 0.30
C MT20 3.0x 5.0 Ctr Ctr 0.56
E MT20 4.0x 5.0 Ctr Ctr 0.23
S1 MT20 3.0x 6.0 Ctr Ctr 0.39
D MT20 4.0x 5.0 Ctr Ctr 0.23

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014

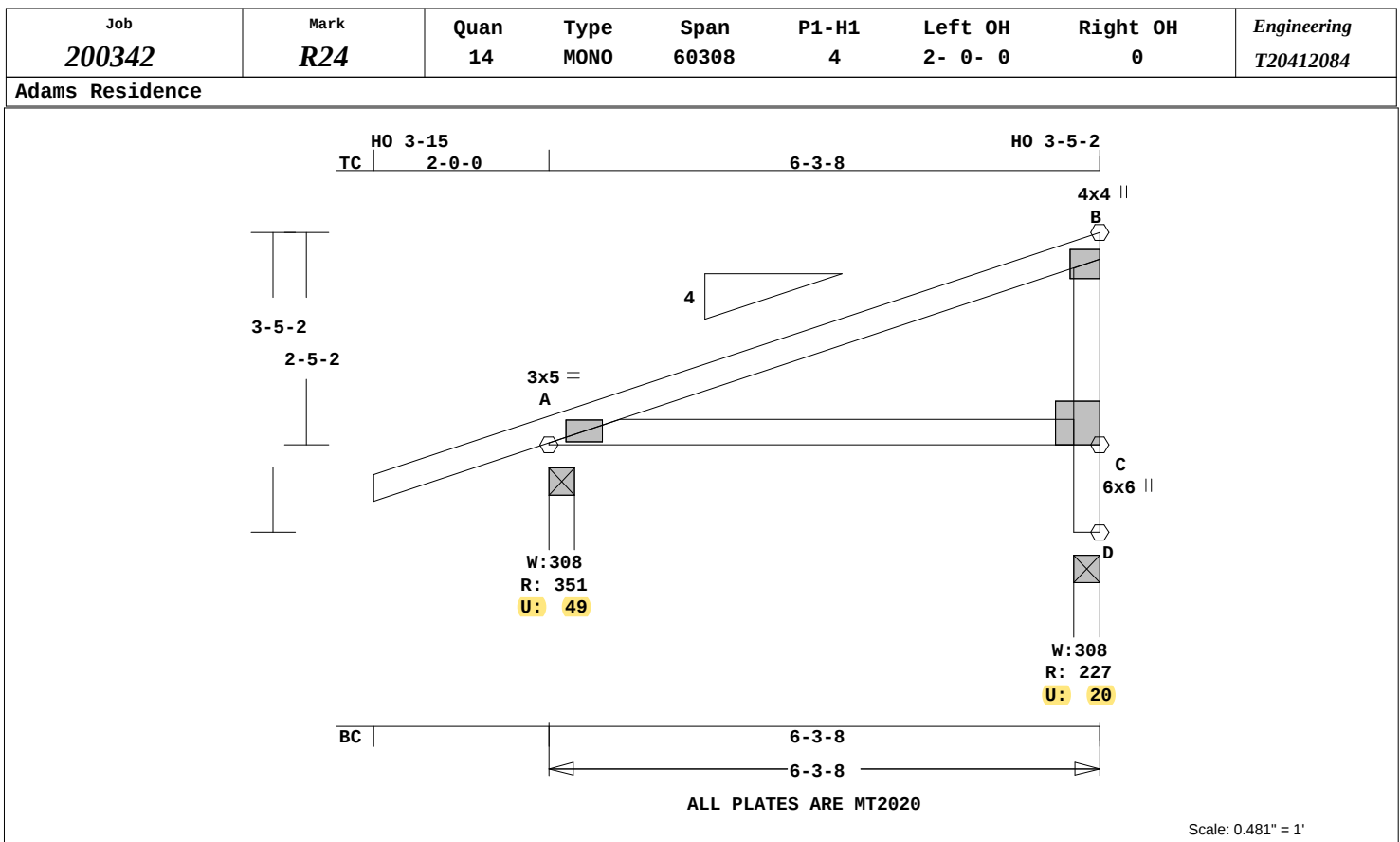
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 1214 Lbs
Max tens. force 1052 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON
CSI -Size- ----Lumber----

TC	BC	WB
0.30 2x 4 SP-#2	0.25 2x 4 SP-#2	0.73 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	6- 3- 8
or 48.0"	0- 0- 0	6- 3- 8
BC Cont.	0- 0- 0	6- 3- 8
or 75.5"	0- 0- 0	6- 3- 8

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	352	50 U	97 R
D	227	21 U	36 R

Jt	Brg Size	Required
A	3.5"	1.5"
D	3.5"	3.5"

Plus 12 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A - B	0.30	120 C	0.00	0.30	
-----Bottom Chords-----					
A - C	0.25	122 T	0.02	0.23	
-----Webs-----					
C - B	0.73	138 C	0.00	0.73	
D - C	0.14	227 C	0.00	0.14	

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 33.9 LBS

CT Defl -0.06" in A - C L/999
LL Defl -0.03" in A - C L/999
Shear // Grain in A - B 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.52
B MT20 4.0x 4.0-0.2 Ctr 0.81
C MT20 6.0x 6.0-1.215.0 0.96

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS

Analysis Conforms To:
FBC2017
TPI 2014

OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.

Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior

TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 227 Lbs
Max tens. force 122 Lbs
Connector Plate Fabrication

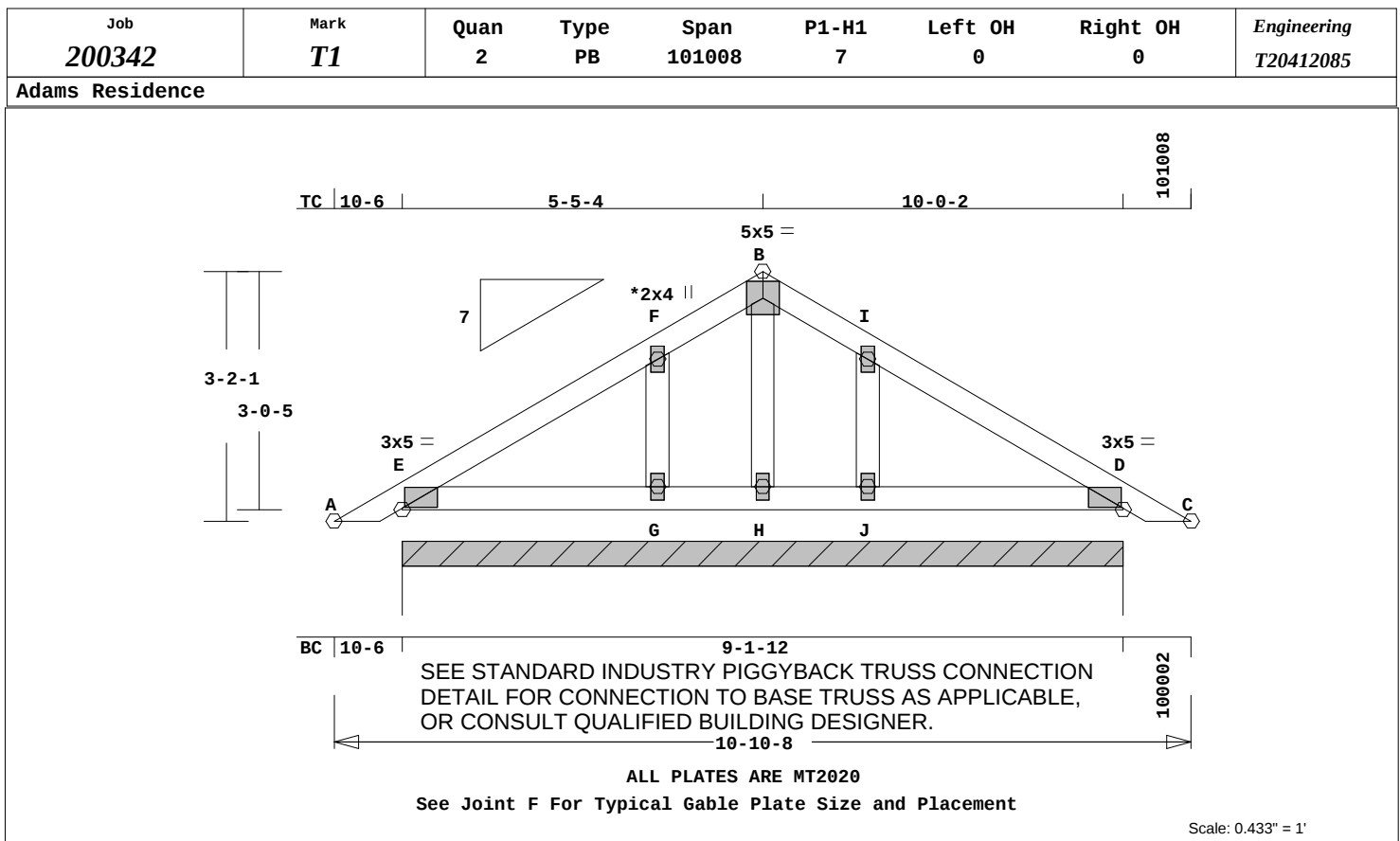
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.

Verticals that are extended
below a chord forming a
"Leg Down" condition are not
designed to resist lateral
forces between the truss
and the support. Additional
design considerations (by
others) are required to
transfer these forces to the
appropriate lateral force
resisting elements.



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MiTek USA, Inc. FL Cert 6634
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Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON

CSI -Size-	---Lumber---
TC 0.07	2x 4 SP-#2
BC 0.05	2x 4 SP-#2
GW 0.02	2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	10-10- 8
or 48.0"	0- 0- 0	10-10- 8
BC Cont.	0- 0- 0	10-10- 8
or 109.8"	0- 0- 0	10-10- 8

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
E	679	57 U	44 R

Jt	Brg Size	Required
E	109.8"	0"-to- 110"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
E - F	0.07	74 C	0.00	0.07
F - B	0.06	90 C	0.00	0.06
B - I	0.06	90 C	0.00	0.06
I - D	0.07	74 C	0.00	0.07
-----Bottom Chords-----				
E - G	0.05	1 T	0.00	0.05
G - H	0.04	0 T	0.00	0.04
H - J	0.04	0 T	0.00	0.04
J - D	0.05	1 T	0.00	0.05
-----Gable Webs-----				
G - F	0.02	145 C		

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 52.0 LBS

H - B	0.01	51 T
J - I	0.02	145 C

CT Defl 0.00" in ----- L/999
LL Defl 0.00" in ----- L/999
Shear // Grain in E - F 0.09

Plates for each ply each face.

Plate - MT20 20 Ga, Gross Area

Plate - MT2H 20 Ga, Gross Area

Plate - MS18 18 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
E MT20	3.0x 5.0	Ctr	Ctr	0.45
F MT20	2.0x 4.0	Ctr	Ctr	0.00
B MT20	5.0x 5.0	Ctr	Ctr	0.34
I MT20	2.0x 4.0	Ctr	Ctr	0.00
D MT20	3.0x 5.0	Ctr	Ctr	0.45
G MT20	2.0x 4.0	Ctr	Ctr	0.00
H MT20	2.0x 4.0	Ctr	Ctr	0.00
J MT20	2.0x 4.0	Ctr	Ctr	0.00

REVIEWED BY:

MiTek USA, Inc.

6904 Parke East Blvd.

Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

RIDGWAY ROOF TRUSS

Analysis Conforms To:

FBC2017

TPI 2014

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

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.

Wind Loads - ANSI / ASCE 7-10

Truss is designed as a Main Wind-Force Resistance System - Directional.

Wind Speed: 130 mph

Risk Category : II

Mean Roof Height: 15-0

Exposure Category: B

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 4.0 psf

BC Dead Load : 6.0 psf

Max comp. force 145 Lbs

Max tens. force 65 Lbs

Connector Plate Fabrication

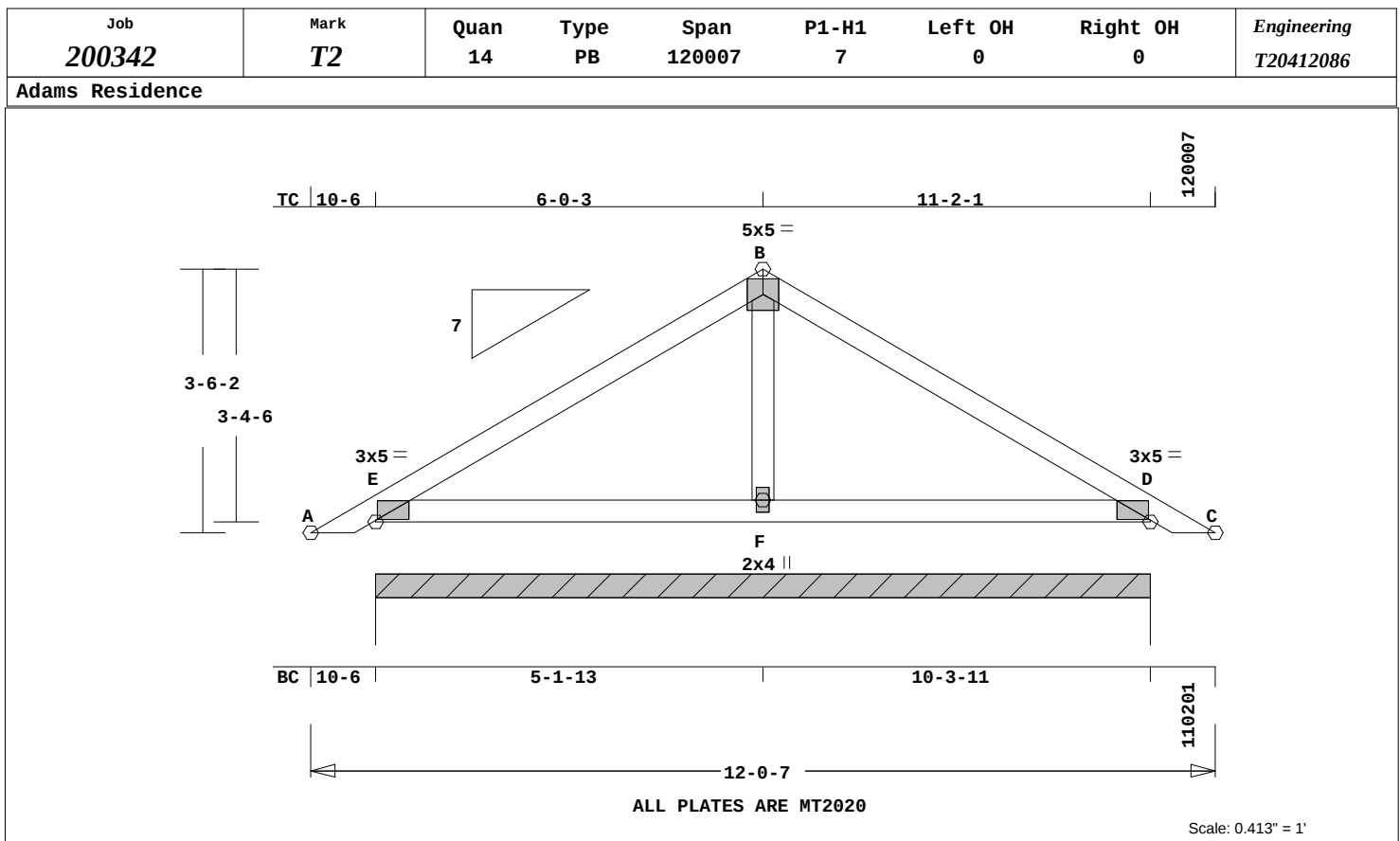
Tolerance = 20%

This truss is designed for a creep factor of 2.0 which is used to calculate Vert(CT) deflection per ANSI/TPI 1.

See Standard Industry Piggy-Back Truss Connection Detail for Connection to base truss as applicable, or consult qualified Building Designer.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.20 2x 4 SP-#2
BC 0.17 2x 4 SP-#2
WB 0.02 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 12- 0- 7
or 48.0" 0- 0- 0 12- 0- 7
BC Cont. 0- 0- 0 12- 0- 7
or 120.0" 0- 0- 0 12- 0- 7

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
E 765 64 U 50 R

Jt Brg Size Required
E 123.7" 0"-to- 124"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
E -B	0.20	303	C	0.00	0.20
B -D	0.20	303	C	0.00	0.20
-----Bottom Chords-----					
E -F	0.17	2	T	0.00	0.17
F -D	0.17	2	T	0.00	0.17
-----Webs-----					
F -B	0.02	93	T		

CT Defl -0.03" in F -D L/999

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 51.0 LBS

LL Defl -0.01" in F -D L/999
Shear // Grain in E -B 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
E MT20 3.0x 5.0 Ctr Ctr 0.45
B MT20 5.0x 5.0 Ctr Ctr 0.34
D MT20 3.0x 5.0 Ctr Ctr 0.45
F MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
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.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main Wind-Force Resistance System

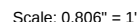
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 303 Lbs
Max tens. force 93 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a creep factor of 2.0 which is used to calculate Vert(CT) deflection per ANSI/TPI 1.
See Standard Industry Piggy-Back Truss Connection Detail for Connection to base truss as applicable, or consult qualified Building Designer.



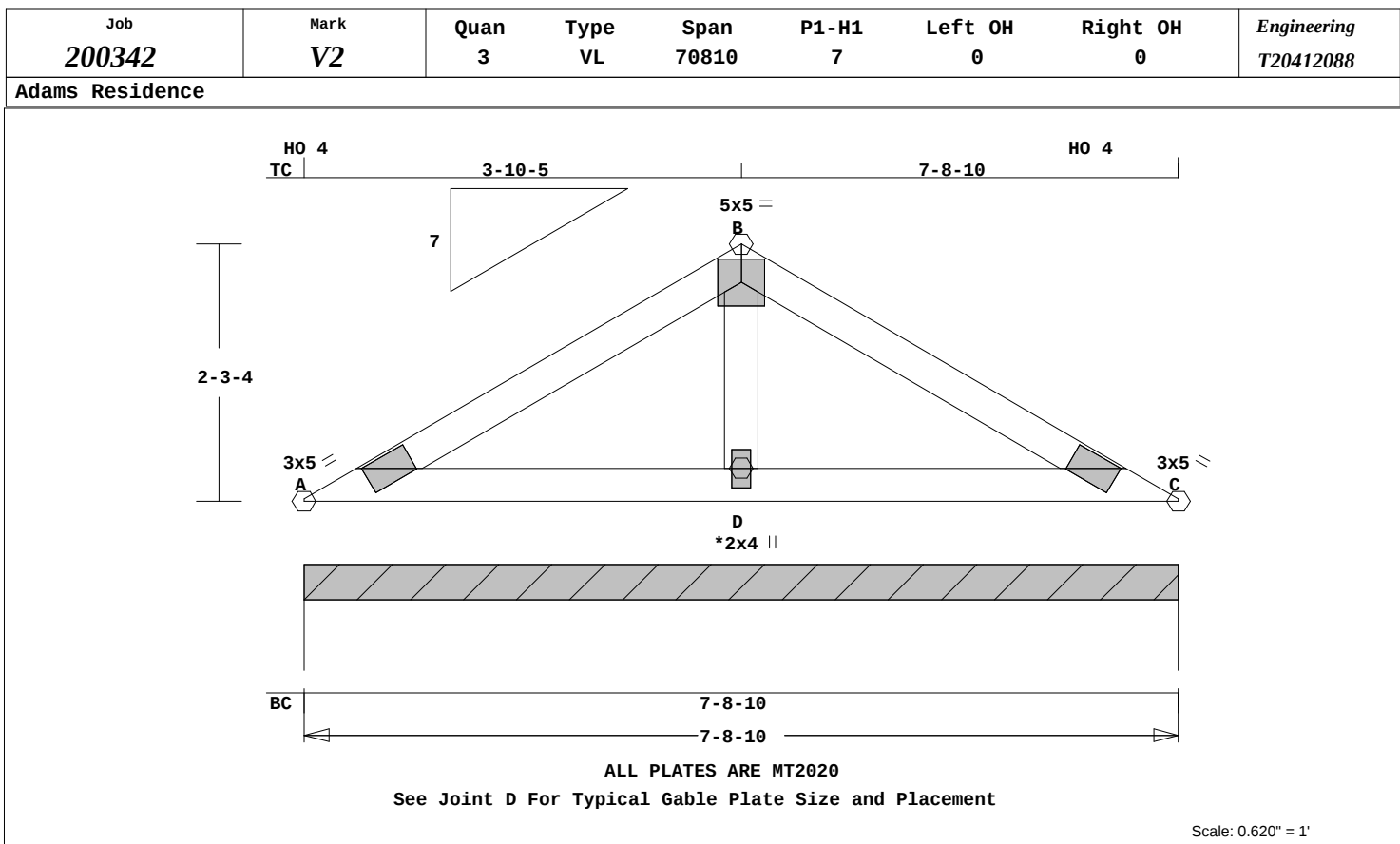
Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020

Adams Residence



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Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.06 2x 4 SP-#2
BC 0.05 2x 4 SP-#2
GW 0.02 2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 8-10
or	48.0"	0- 0- 0	7- 8-10
BC	Cont.	0- 0- 0	7- 8-10
or	92.7"	0- 0- 0	7- 8-10

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 497 38 U 33 R

Jt Brg Size Required
A 92.6" 0"-to- 93"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 32.6 LBS

-----Top Chords-----
A -B 0.06 51 C 0.00 0.06
B -C 0.06 51 C 0.00 0.06
-----Bottom Chords-----
A -D 0.05 0 T 0.00 0.05
D -C 0.05 0 T 0.00 0.05
-----Gable Webs-----
D -B 0.02 106 C

CT Defl 0.00" in ----- L/999
LL Defl 0.00" in ----- L/999
Shear // Grain in A -B 0.09

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.45
B MT20 5.0x 5.0 Ctr Ctr 0.34
C MT20 3.0x 5.0 Ctr Ctr 0.45
D MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

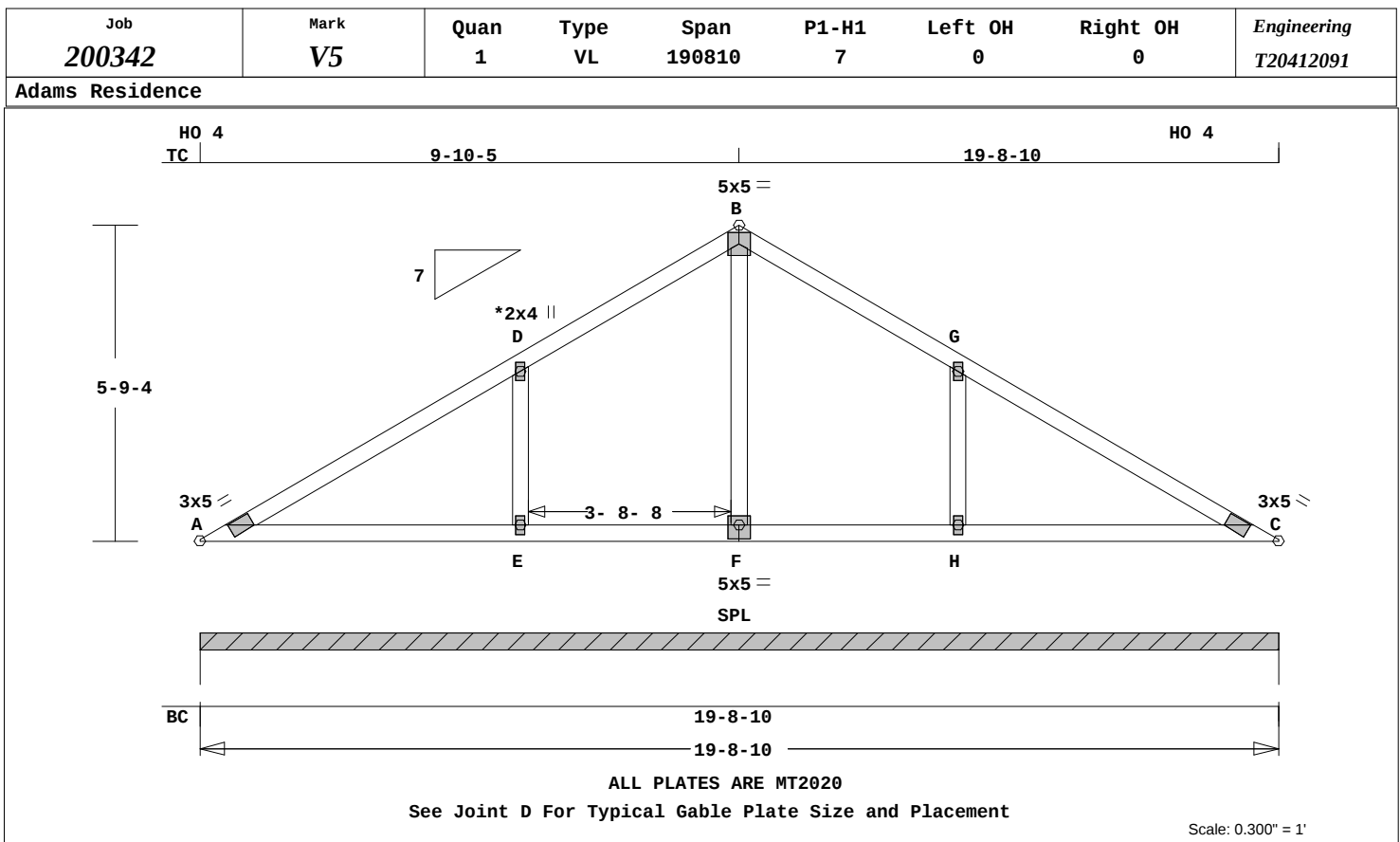
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10

Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 106 Lbs
Max tens. force 31 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- Lumber-
TC 0.19 2x 4 SP-#2
BC 0.12 2x 4 SP-#2
GW 0.09 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	19- 8-10
or 48.0"	0- 0- 0	19- 8-10
BC Cont.	0- 0- 0	19- 8-10
or 120.0"	0- 0- 0	19- 8-10

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
	Fb Fc Ft Emin	
TC	1.15 1.10 1.10 1.10	
BC	1.10 1.10 1.10 1.10	

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1385 107 U 93 R

Jt Brg Size Required
A 236.6" 0"-to- 237"

Plus 15 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -D	0.19	66 C	0.00 0.19
D -B	0.19	58 C	0.00 0.19
B -G	0.19	58 C	0.00 0.19
G -C	0.19	66 C	0.00 0.19
-----Bottom Chords-----			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 99.0 LBS

A -E	0.12	0 T	0.00 0.12
E -F	0.12	0 T	0.00 0.12
F -H	0.12	0 T	0.00 0.12
H -C	0.12	0 T	0.00 0.12
-----Gable Webs-----			
E -D	0.06	260 C	
F -B	0.09	134 C	
H -G	0.06	260 C	

CT Defl -0.01" in A -E L/999
LL Defl -0.01" in A -E L/999
Shear // Grain in A -D 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.45
D MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 5.0x 5.0 Ctr Ctr 0.34
G MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 5.0 Ctr Ctr 0.45
E MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 5.0x 5.0 Ctr-0.5 0.39
H MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

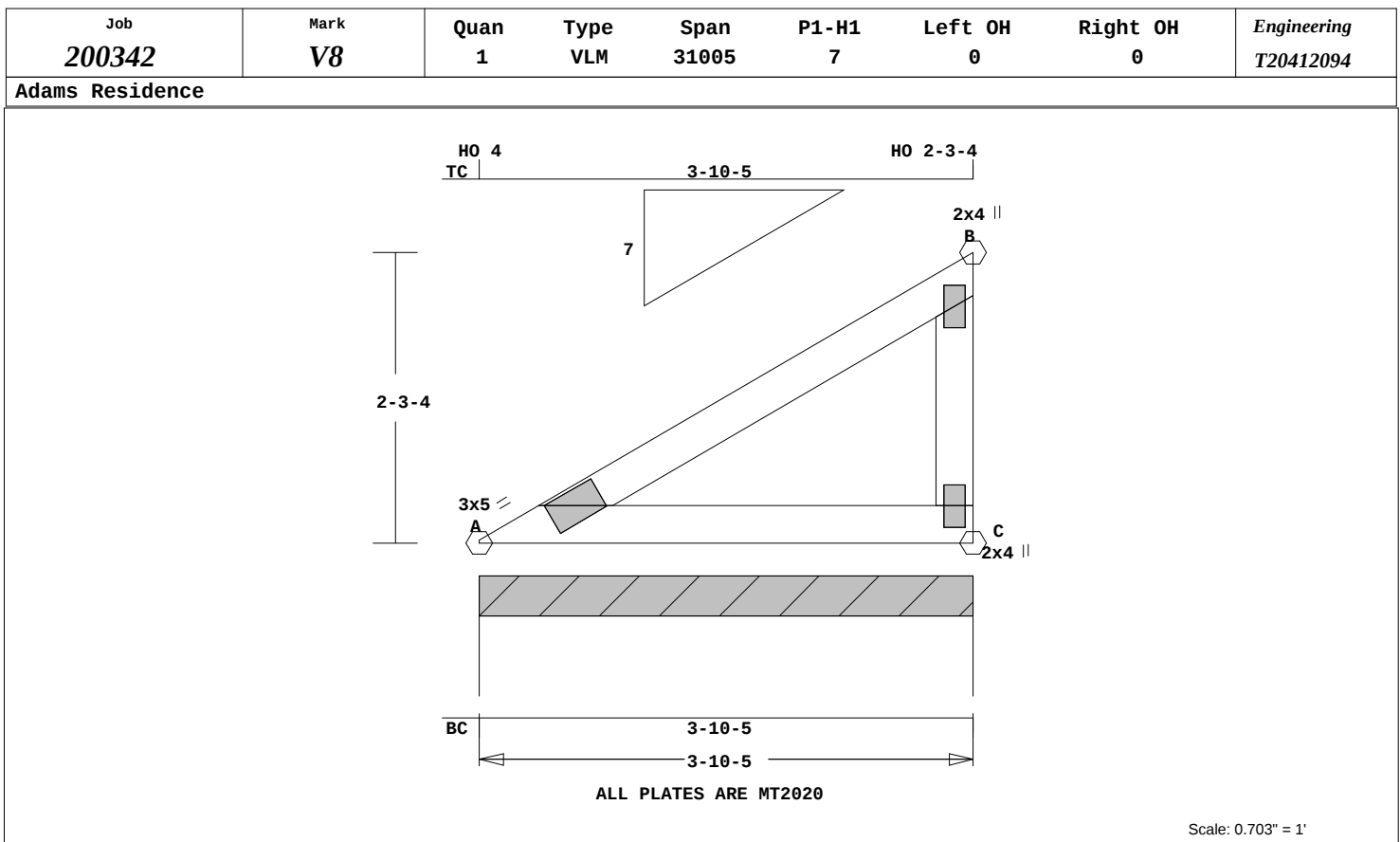
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System

- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 260 Lbs
Max tens. force 126 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
 RUN DATE: 08-JUN-20

Southern Pine lumber design
 values are those effective
 06-01-13 by SPIB//ALSC UON
 CSI -Size- ----Lumber----

TC	0.07	2x 4	SP-#2
BC	0.04	2x 4	SP-#2
WB	0.01	2x 4	SP-#3

Brace truss as follows:

O.C.	From	To
TC	Cont.	0- 0- 0 3-10- 5
or	46.3"	0- 0- 0 3-10- 5
BC	Cont.	0- 0- 0 3-10- 5
or	46.3"	0- 0- 0 3-10- 5

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 248 19 U 56 R

Jt	Brg Size	Required
A	46.3"	0"-to- 46"

Plus 12 Wind Load Case(s)
 Plus 1 LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 17.8 LBS

-----Top Chords-----
 A -B 0.07 28 C 0.00 0.07
 -----Bottom Chords-----
 A -C 0.04 0 T 0.00 0.04
 -----Webs-----
 C -B 0.01 71 C WindLd

CT Defl 0.00" in ----- L/999
 LL Defl 0.00" in ----- L/999
 Shear // Grain in A -B 0.10

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Plate - MS18 18 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 3.0x 5.0 Ctr Ctr 0.45
 B MT20 2.0x 4.0 Ctr Ctr 0.13
 C MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
 MiTek USA, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

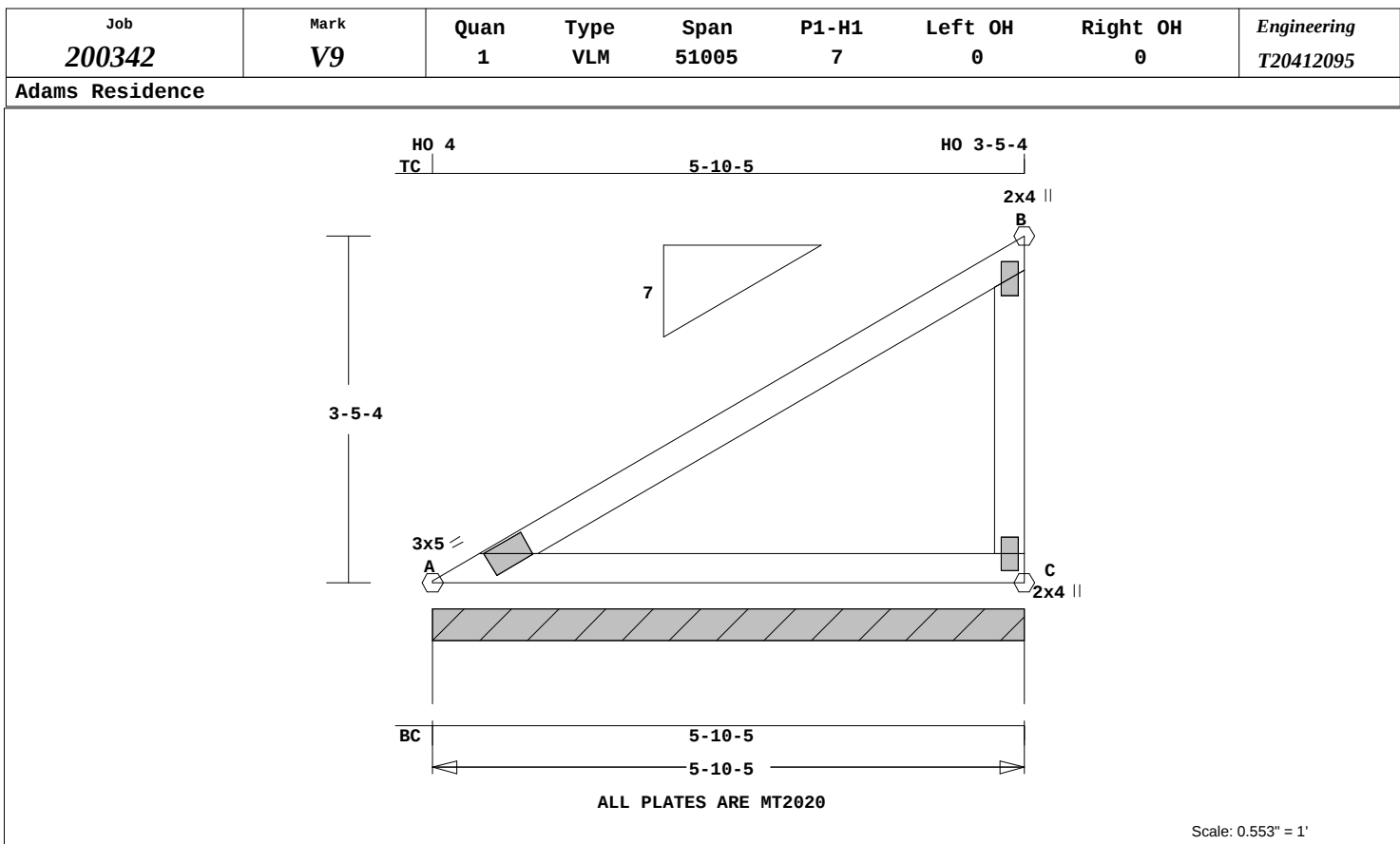
NOTES:
 Trusses Manufactured by:
 RIDGWAY ROOF TRUSS
 Analysis Conforms To:
 FBC2017
 TPI 2014
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-10
 Truss is designed as a Main
 Wind-Force Resistance System
 - Directional.

Wind Speed: 130 mph
 Risk Category : II
 Mean Roof Height: 15-0
 Exposure Category: B
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 4.0 psf
 BC Dead Load : 6.0 psf
 Max comp. force 71 Lbs
 Max tens. force 25 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a
 creep factor of 2.0 which
 is used to calculate
 Vert(CT) deflection per
 ANSI/TPI 1.



Thomas A. Albani PE No.39380
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 6904 Parke East Blvd. Tampa FL 33610
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June 8,2020



Online Plus -- Version 30.0.071
 RUN DATE: 08-JUN-20

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON

CSI -Size- ----Lumber----

TC	0.25	2x 4	SP-#2
BC	0.15	2x 4	SP-#2
WB	0.05	2x 4	SP-#3

Brace truss as follows:

O.C.	From	To
TC	Cont.	0- 0- 0 5-10- 5
or	48.0"	0- 0- 0 5-10- 5
BC	Cont.	0- 0- 0 5-10- 5
or	70.3"	0- 0- 0 5-10- 5

psf-Ld Dead Live

TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb Fc Ft Emin	
TC	1.15 1.10 1.10 1.10	
BC	1.10 1.10 1.10 1.10	

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	396	30 U	91 R

Jt Brg Size Required

A	70.3"	0"-to- 70"
---	-------	------------

Plus 12 Wind Load Case(s)
 Plus 1 LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 28.2 LBS

-----Top Chords-----
 A -B 0.25 47 C 0.00 0.25

-----Bottom Chords-----
 A -C 0.15 0 T 0.00 0.15

-----Webs-----
 C -B 0.05 113 C WindLd

CT Defl -0.03" in A -C L/999
 LL Defl -0.02" in A -C L/999
 Shear // Grain in A -B 0.17

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Plate - MS18 18 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 3.0x 5.0 Ctr Ctr 0.45
 B MT20 2.0x 4.0 Ctr Ctr 0.13
 C MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
 MiTek USA, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

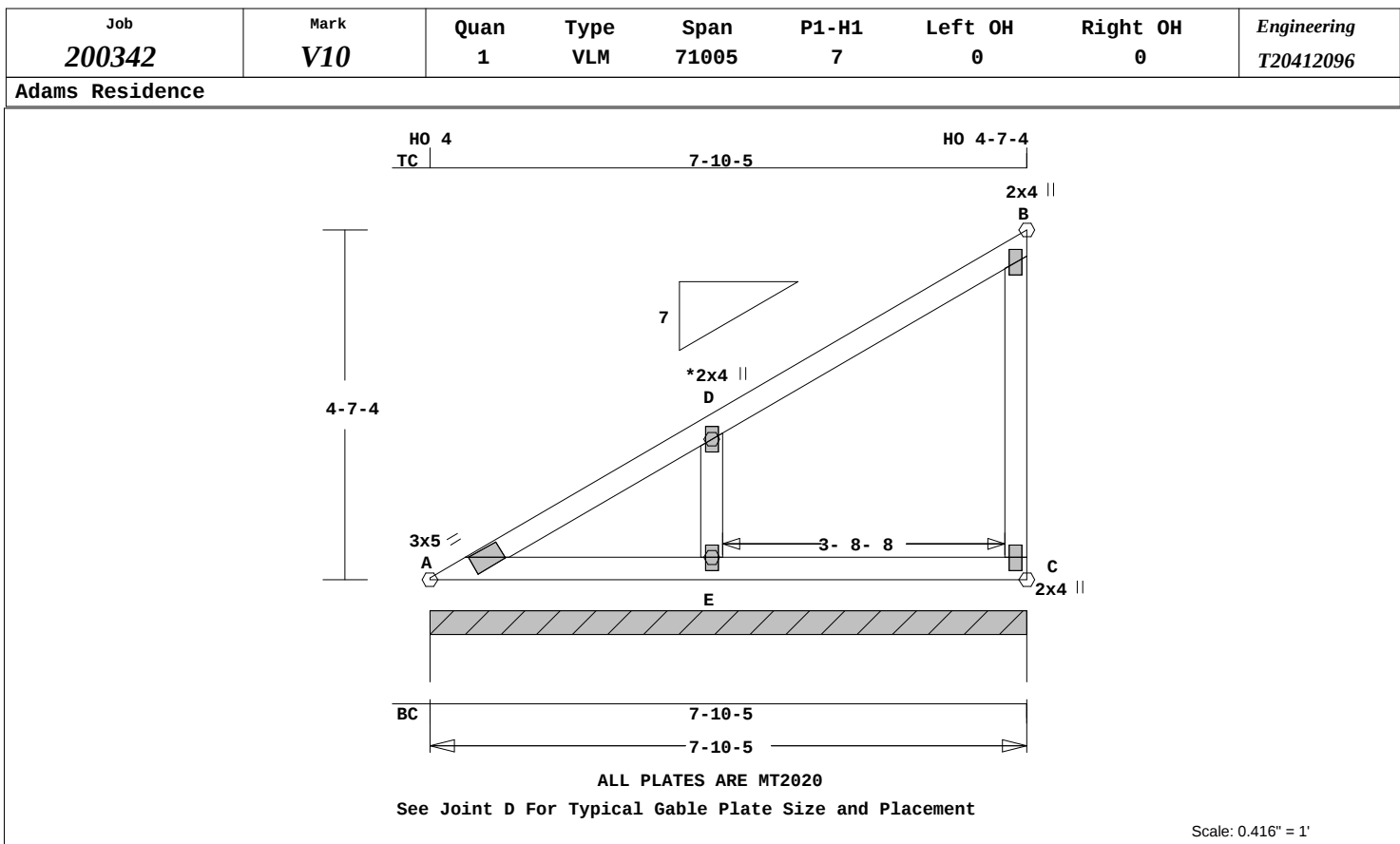
NOTES:
 Trusses Manufactured by:
 RIDGWAY ROOF TRUSS
 Analysis Conforms To:
 FBC2017
 TPI 2014
 Design checked for 10 psf non-concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-10
 Truss is designed as a Main Wind-Force Resistance System - Directional.

Wind Speed: 130 mph
 Risk Category : II
 Mean Roof Height: 15-0
 Exposure Category: B
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 4.0 psf
 BC Dead Load : 6.0 psf
 Max comp. force 113 Lbs
 Max tens. force 41 Lbs
 Connector Plate Fabrication
 Tolerance = 20%
 This truss is designed for a creep factor of 2.0 which is used to calculate Vert(CT) deflection per ANSI/TPI 1.



Thomas A. Albani PE No.39380
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

June 8,2020

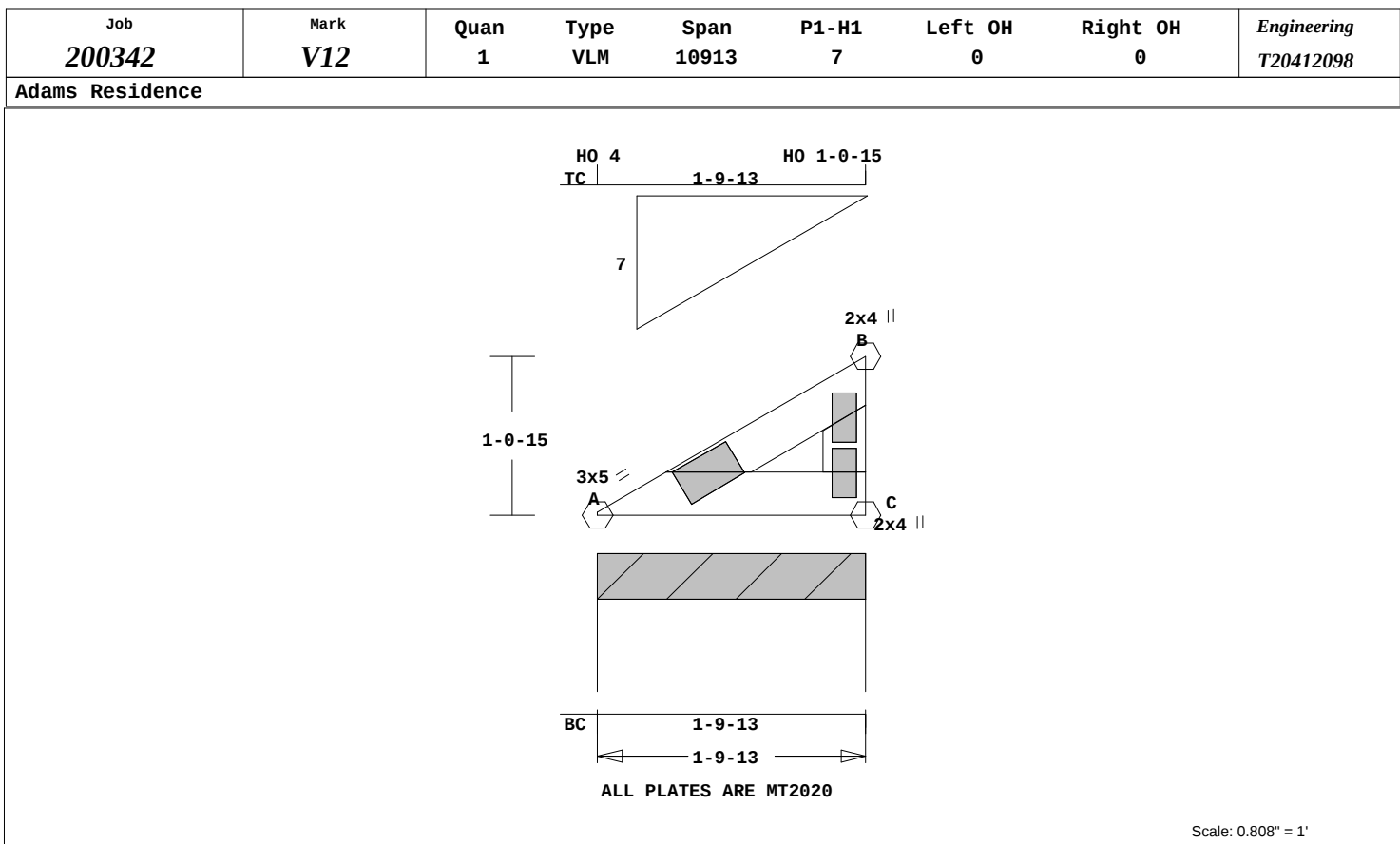


Online Plus -- Version 30.0.071 RUN DATE: 08-JUN-20		MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 41.6 LBS		Zone location: Exterior	
Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON		E -C 0.09 0 T 0.00 0.09		TC Dead Load : 4.0 psf	
CSI -Size- ----Lumber----		-----Webs-----		BC Dead Load : 6.0 psf	
TC 0.14 2x 4 SP-#2		C -B 0.20 99 C 0.00 0.20		Max comp. force 215 Lbs	
BC 0.09 2x 4 SP-#2		-----Gable Webs-----		Max tens. force 95 Lbs	
WB 0.20 2x 4 SP-#3		E -D 0.10 215 C 0.00 0.10		Connector Plate Fabrication	
GW 0.10 2x 4 SP-#3		CT Defl -0.01" in E -C L/999		Tolerance = 20%	
Brace truss as follows:		LL Defl 0.00" in ----- L/999		This truss is designed for a creep factor of 2.0 which is used to calculate Vert(CT) deflection per ANSI/TPI 1.	
O.C. From To		Shear // Grain in D -B 0.13			
TC Cont. 0- 0- 0 7-10- 5		Plates for each ply each face.			
or 48.0" 0- 0- 0 7-10- 5		Plate - MT20 20 Ga, Gross Area			
BC Cont. 0- 0- 0 7-10- 5		Plate - MT2H 20 Ga, Gross Area			
or 94.3" 0- 0- 0 7-10- 5		Plate - MS18 18 Ga, Gross Area			
psf-Ld Dead Live		Jt Type Plt Size X Y JSI			
TC 7.0 20.0		A MT20 3.0x 5.0 Ctr Ctr 0.45			
BC 10.0 0.0		D MT20 2.0x 4.0 Ctr Ctr 0.00			
TC+BC 17.0 20.0		B MT20 2.0x 4.0 Ctr Ctr 0.56			
Total 37.0 Spacing 24.0"		E MT20 2.0x 4.0 Ctr Ctr 0.00			
Lumber Duration Factor 1.25		C MT20 2.0x 4.0 Ctr Ctr 0.55			
Plate Duration Factor 1.25		REVIEWED BY:			
Fb Fc Ft Emin		MiTek USA, Inc.			
TC 1.15 1.10 1.10 1.10		6904 Parke East Blvd.			
BC 1.10 1.10 1.10 1.10		Tampa, FL 33610			
Total Load Reactions (Lbs)		REFER TO ONLINE PLUS GENERAL			
Jt Down Uplift Horiz-		NOTES:			
A 544 42 U 126 R		Trusses Manufactured by:			
Jt Brg Size Required		RIDGEWAY ROOF TRUSS			
A 94.3" 0"-to- 94"		Analysis Conforms To:			
Plus 12 Wind Load Case(s)		FBC2017			
Plus 1 LL Load Case(s)		TPI 2014			
Plus 1 DL Load Case(s)		Design checked for 10 psf non-			
Membr CSI P Lbs Ax1-CSI-Bnd		concurrent LL on BC.			
-----Top Chords-----		Wind Loads - ANSI / ASCE 7-10			
A -D 0.10 94 C 0.00 0.10		Truss is designed as a Main			
D -B 0.14 52 C 0.00 0.14		Wind-Force Resistance System			
-----Bottom Chords-----		- Directional.			
A -E 0.06 0 T 0.00 0.06		Wind Speed: 130 mph			
		Risk Category : II			
		Mean Roof Height: 15-0			
		Exposure Category: B			
		Building Type: Enclosed			



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 8,2020



Online Plus -- Version 30.0.071
RUN DATE: 08-JUN-20

Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON
CSI -Size- ----Lumber----

TC	0.00	2x 4	SP-#2
BC	0.00	2x 4	SP-#2
WB	0.00	2x 4	SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	1- 9-13
or 21.8"	0- 0- 0	1- 9-13
BC Cont.	0- 0- 0	1- 9-13
or 21.8"	0- 0- 0	1- 9-13

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 97 7 U 20 R

Jt Brg Size Required
A 21.8" 0"-to- 22"

Plus 12 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 7.3 LBS

-----Top Chords-----
A -B 0.00 9 C
-----Bottom Chords-----
A -C 0.00 0 T
-----Webs-----
C -B 0.00 27 C WindLd

CT Defl 0.00" in ----- L/999
LL Defl 0.00" in ----- L/999
Shear // Grain in A -B 0.02

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.45
B MT20 2.0x 4.0 Ctr Ctr 0.12
C MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.

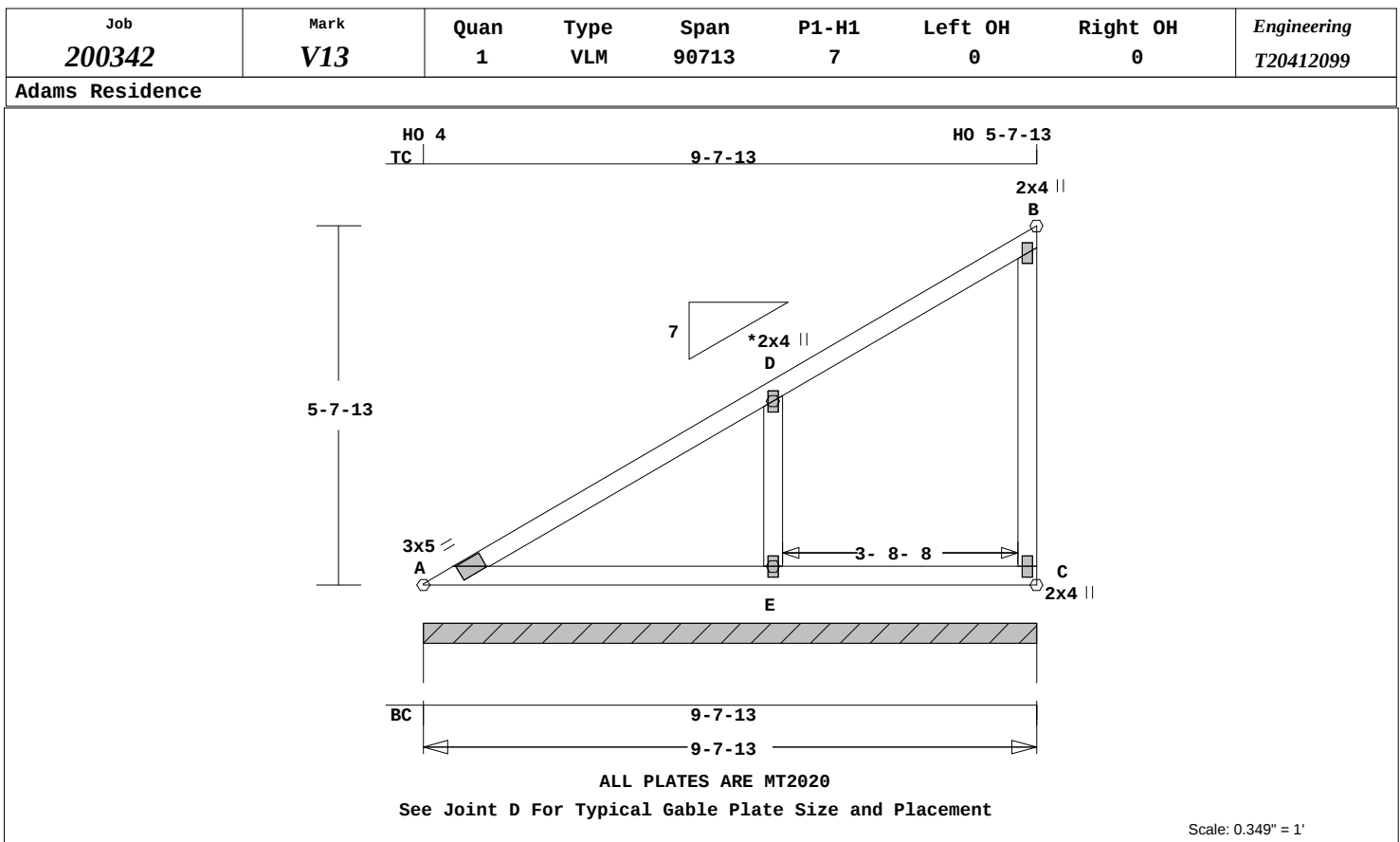
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 27 Lbs
Max tens. force 11 Lbs
Connector Plate Fabrication
Tolerance = 20%

This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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Online Plus -- Version 30.0.071
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Southern Pine lumber design
values are those effective
06-01-13 by SPIB//ALSC UON

CSI	-Size-	Lumber	SP
TC	0.19	2x 4	SP-#2
BC	0.12	2x 4	SP-#2
WB	0.17	2x 4	SP-#3
GW	0.06	2x 4	SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9- 7-13
or 48.0"	0- 0- 0	9- 7-13
BC Cont.	0- 0- 0	9- 7-13
or 115.8"	0- 0- 0	9- 7-13

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	677	52 U	158 R

Jt	Brg Size	Required
A	115.8"	0"-to- 116"

Plus 12 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -D	0.19	113 C	0.00	0.19	
D -B	0.17	57 C	0.00	0.17	
-----Bottom Chords-----					
A -E	0.12	0 T	0.00	0.12	

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 52.9 LBS

E -C	0.11	0 T	0.00	0.11
-----Webs-----				
C -B	0.17	97 C	0.00	0.17
-----Gable Webs-----				
E -D	0.06	249 C	0.03	0.03
CT Defl	-0.01"	in A -E	L/999	
LL Defl	0.00"	in	L/999	
Shear // Grain	in A -D	0.14		

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 5.0 Ctr Ctr 0.45
D MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 2.0x 4.0 Ctr Ctr 0.60
E MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 2.0x 4.0 Ctr Ctr 0.74

REVIEWED BY:
MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2017
TPI 2014

Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as a Main
Wind-Force Resistance System
- Directional.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed

Zone location: Exterior
TC Dead Load : 4.0 psf
BC Dead Load : 6.0 psf
Max comp. force 249 Lbs
Max tens. force 111 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 2.0 which
is used to calculate
Vert(CT) deflection per
ANSI/TPI 1.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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