Job Name: 1001 BELVEDERE CT. **Truss ID: N13** **Qty: 5** **Drwg: CO992**72003-001

RG	X-LOC	REACT	SIZE	REQ'D
1	0- 1-12	1050	3.50"	1.50"
2	20-10- 4	1343	3.50"	1.77"

TC	FORCE	AXL	MOD	CSI
1	-1330	.00	.53	.53
2	-1183	.00	.53	.54
3	-1183	.00	.53	.54
4	-1330	.00	.53	.53

BC	FORCE	AXL	MOD	CSI
1	1258	.18	.21	.39
2	775	.11	.20	.31
3	1258	.18	.21	.39

WEB	FORCE	CSI	WEB	FORCE	CSI
2-7	-562	.16	3-8	762	.45
3-7	762	.45	4-8	-562	.16

MAX DEFLECTION (span) :
L/999 IN MEM 6-7 (LIVE)
= -.08" D= -.05" T= -.13"

Joint Locations

1	0- 0- 0	6	0- 0- 0
2	5- 5- 0	7	7- 1- 6
3	10- 6- 0	8	13-10-10
4	15- 7- 0	9	21- 0- 0
5	21- 0- 0		

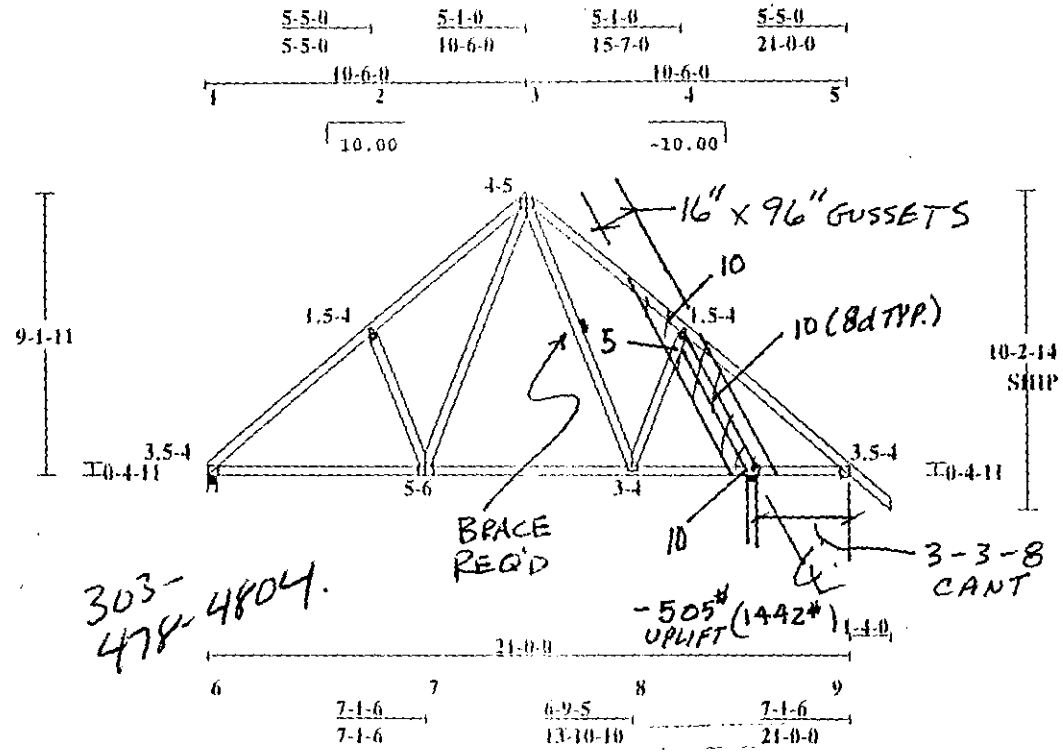
TOP CHRD 2x4 SPF C1650Fl.5E
BOT CHRD 2x4 SPF C1650Fl.5E
WEB 2x4 SPF C1650Fl.5E
PLATE VALUES PER ICBO RESEARCH REPORT #1667.
This truss is designed using the
IRC Code.
Bldg Enclosed = Yes, End Zone = 10
Hurricane/Ocean Line = No, Exp Category = C
Bldg Length = 50.00ft, Bldg Width = 50.00ft,
Mean roof height = 24.57ft, MPH = 100
Classification = 3, Dead Load = 20.0 psf

THIS DESIGN IS THE COMPOSITE RESULT OF MULTIPLE LOAD CASES.
REACTION REQUIREMENTS shown are based ONLY on the truss material at each bearing.
Based on 10 PSF non-concurrent BOT LL.

UPLIFT REACTION(S) :
support 1 -360#
support 2 ~~-433#~~ -505#
HORIZONTAL REACTION(S) :
support 1 1101#
support 2 1101#

ORIGINAL

REPAIR- TRUSS MUST BE CANTILEVERED 3-3-8 ON ONE END.
* ADEQUATELY SUPPORT THE TRUSS UNTIL THE REPAIR IS COMPLETE.
* LET IN A 2 X 4 # 2 WEB.
* APPLY 7/16", APA (MIN. SPAN RATING 24/16), EXPOSURE 1, PLYWOOD (OR OSB) TO EACH FACE WITH 8d NAILS AS SPECIFIED PER GUSSET. THE NAILS MUST BE EVENLY DISTRIBUTED THROUGHOUT.
THE NUMBER ASSOCIATED WITH A LINE POINTING TO THE GUSSET IS THE AMOUNT OF NAILS REQUIRED IN THE MEMBER PER GUSSET.



303-478-4804.

Truswal Systems Plates are 20 ga. unless shown by "18"(18 ga.) or "H"(16 ga.), positioned per Joint Report. Circled plates and false frame plates are positioned as shown above.

HENRY W. DANLEY
REGISTERED PROFESSIONAL
6418
ENGINEER
STATE OF COLORADO
29 SEP 1999

Scale: 5/32" = 1'

REF: C09925/102-013

SITO BUILDING COMPONENTS
OTIS, CO. 80743
OFF: (970) 246-3461
Denver: (303) 825-4420
- ' Tp5,0 Version 03.19.99

WARNING *Read all notes on this sheet and give a copy of it to the Erecting Contractor.*
This design is for an individual building component. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code. It is assumed that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'TRUSCOM MANUAL', by Truswal, 'QUALITY CONTROL STANDARD FOR METAL PLATE CONNECTED WOOD TRUSSES' - (QST-88), 'HANDLING INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES' - (HIB-91) and 'HIB-91 SUMMARY SHEET' by TPI. The Truss Plate Institute (TPI) is located at 583 D'Onofrio Drive; Madison, Wisconsin 53719. The American Forest and Paper Assoc

TBF: 53.7	WO: RF4259
Chk: DOC	Customer Name:
Dsgnr: HJS #LC = 10	HOME PRO
TC Live 30.0 psf	DurFacs L=1.15 P=1.15
TC Dead 10.0 psf	Rep Mbr Bnd 1.15
BC Live .0 psf	O.C.Spacing 2- 0- 0
BC Dead 10.0 psf	Design Spec UBC
50.0 psf	Defl Ratio: L/240 TC: L/240

This unofficial copy was downloaded on Sep-23-2021 from the City of Fort Collins Public Records Website: http://citydocs.fcgov.com
For additional information or an official copy, please contact Building and Zoning Office 281 North College Fort Collins, CO 80521 USA