



LUMBER SPECIFICATIONS
TC: 2x4 DF #1&BTR
BC: 2x4 DF #1&BTR
WEBS: 2x4 DF STAND

TC LATERAL SUPPORT <= 12'0C. UON.
BC LATERAL SUPPORT <= 12'0C. UON.

OVERHANGS: 24.0' 24.0'

Connector plate prefix designators:
C,CN,C18,CN18 (or no prefix) = CompuTrus, Inc
M,M20HS,M18HS,M16 = MiTek MT series

TRUSS SPAN 20'- 0.0"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

LOADING
LL(25.0)+DL(7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF
TOTAL LOAD = 42.0 PSF

LL = 25 PSF Ground Snow (Pg)

LIMITED STORAGE DOES NOT APPLY DUE TO THE SPATIAL
REQUIREMENTS OF IBC 2009 AND IRC 2009 NOT BEING MET.

BOTTOM CHORD CHECKED FOR 10PSF LIVE LOAD. TOP
AND BOTTOM CHORD LIVE LOADS ACT NON-CONCURRENTLY.

This design prepared from computer input by
PACIFIC LUMBER-BC

IRC 2009		MAX MEMBER FORCES		4WR/GDF/Cq=1.00	
1- 2=	(-73)	101	2- 8=	(-354)	1152
2- 3=	(-1380)	486	8- 9=	(-286)	738
3- 4=	(-1343)	435	9- 6=	(-354)	1152
4- 5=	(-1343)	435	4- 9=	(-84)	598
5- 6=	(-1380)	486	9- 5=	(-296)	163
6- 7=	(-73)	101			

BEARING LOCATIONS	MAX VERT REACTIONS	MAX HORIZ REACTIONS	BRG SIZE	REQUIRED BRG AREA SQ.IN. (SPECIES)
0'- 0.0"	-163/ 1068V	-130/ 130H	5.50"	1.71 DF (625)
20'- 0.0"	-163/ 1068V	-130/ 130H	5.50"	1.71 DF (625)

COND. 2: Design checked for net(-5 psf) uplift at 24" oc spacing.

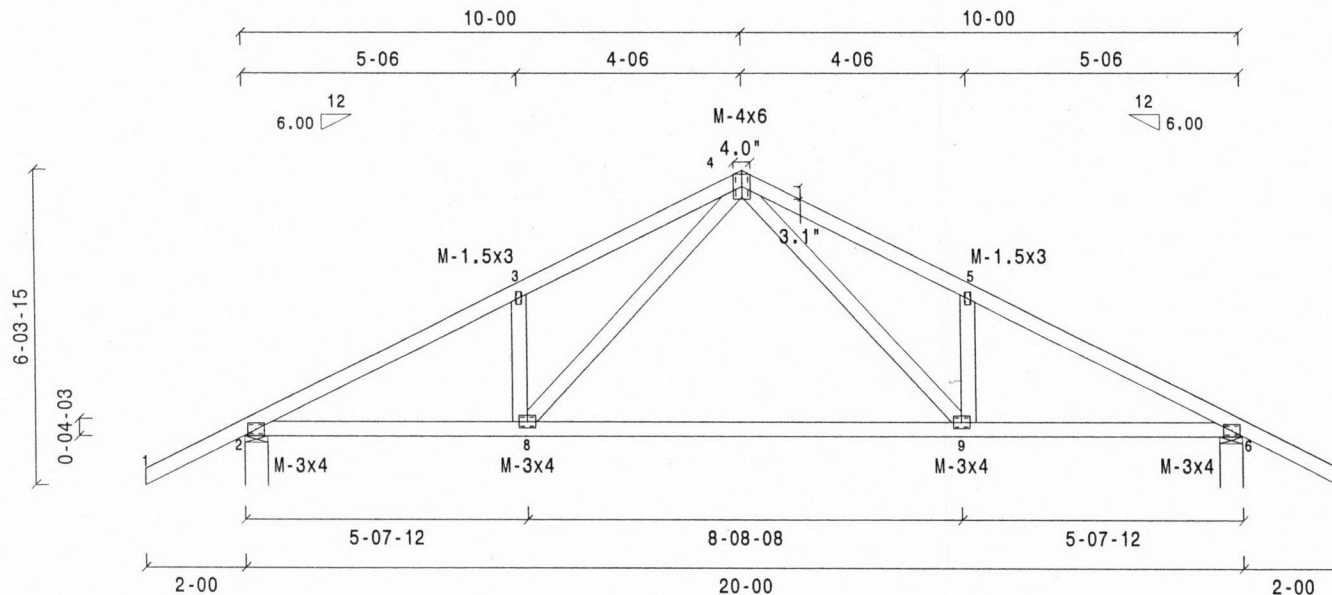
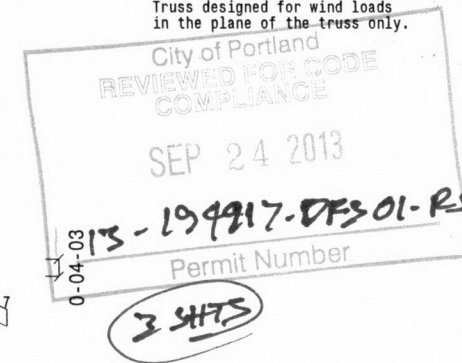
VERTICAL DEFLECTION LIMITS: LL=L/240, TL=L/180
MAX LL DEFL = -0.036" @ 2'- 0.0" Allowed = 0.200"
MAX TL DEFL = -0.041" @ 2'- 0.0" Allowed = 0.267"
MAX LL DEFL = -0.036" @ 14'- 6.8" Allowed = 0.954"
MAX TL DEFL = -0.062" @ 14'- 6.8" Allowed = 1.272"
MAX LL DEFL = -0.036" @ 22'- 0.0" Allowed = 0.200"
MAX TL DEFL = -0.041" @ 22'- 0.0" Allowed = 0.267"

MAX HORIZ. LL DEFL = 0.014" @ 19'- 6.5"
MAX HORIZ. TL DEFL = 0.023" @ 19'- 6.5"

This truss does not include any time dependent deformation for long term loading (creep) in the total load deflection. The building designer shall verify that this parameter fits with the intended use of this component.

Design conforms to main windforce-resisting system and components and cladding criteria.

Wind: 110 mph, h=25ft, TCDF=4.2,BCDF=6.0, ASCE 7-05, Enclosed, Cat.2, Exp.8, MWFRS, interior zone, load duration factor=1.6, Truss designed for wind loads in the plane of the truss only.



JOB NAME: 15529 TOM CLARKE - A2

Scale: 0.2655

Truss: A2

DES. BY: EE

DATE: 9/11/2013

SEQ.: 5657608

TRANS ID: 378834



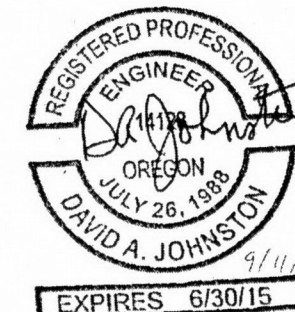
WARNINGS:

- Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
- 2x4 compression web bracing must be installed where shown +.
- Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer.
- No load should be applied to any component until after all bracing and fasteners are complete and at no time should any loads greater than design loads be applied to any component.
- CompuTrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
- This design is furnished subject to the limitations set forth by TPI/WTC in BCSI, copies of which will be furnished upon request.

MiTek USA, Inc./CompuTrus Software 7.6.4-SP5(1L) E

GENERAL NOTES, unless otherwise noted:

- This design is based only upon the parameters shown and is for an individual building component. Applicability of design parameters and proper incorporation of component is the responsibility of the building designer.
- Design assumes the top and bottom chords to be laterally braced at 2' o.c. and at 10' o.c. respectively unless braced throughout their length by continuous sheathing such as plywood sheathing(TC) and/or drywall(BC).
- 2x Impact bridging or lateral bracing required where shown +.
- Installation of truss is the responsibility of the respective contractor.
- Design assumes trusses are to be used in a non-corrosive environment, and are for "dry condition" of use.
- Design assumes full bearing at all supports shown. Shim or wedge if necessary.
- Design assumes adequate drainage is provided.
- Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
- Digits indicate size of plate in inches.
- For basic connector plate design values see ESR-1311, ESR-1988 (MiTek)



13-194917-DES 01-RS



LUMBER SPECIFICATIONS

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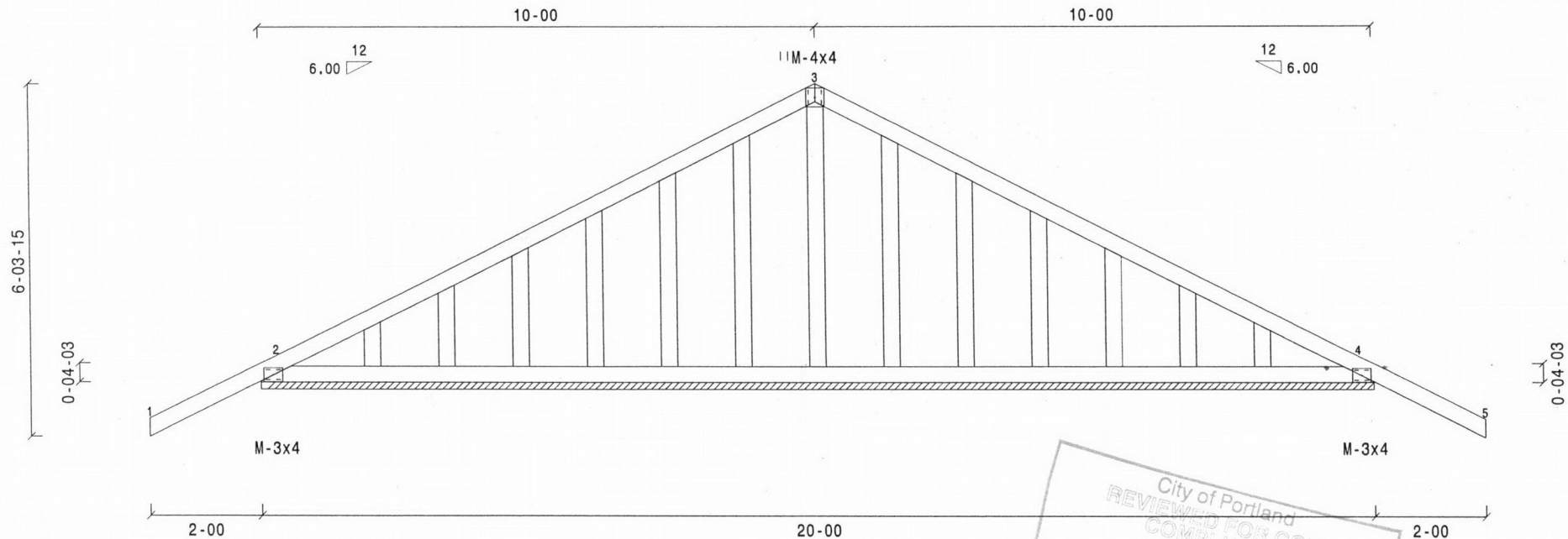
This design prepared from computer input by
PACIFIC LUMBER-BC

COND. 2: Design checked for net(-5 psf) uplift at 24"oc spacing.

Design conforms to main windforce-resisting
system and components and cladding criteria.

Wind: 110 mph, h=25ft, TCDF=4.2,BCDF=6.0, ASCE 7-05,
Enclosed, Cat.2, Exp.B, MWFRS,
interior zone, load duration factor=1.6,
Truss designed for wind loads
in the plane of the truss only.

Gable end truss on continuous bearing wall UON.
M-1x2 or equal typical at stud verticals.
Refer to CompuTrus gable end detail for
complete specifications.



JOB NAME: 15529 TOM CLARKE - A1

Truss: A1

DES. BY: EE

DATE: 9/11/2013

SEQ.: 5657609

TRANS ID: 378834



WARNINGS:

1. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
2. 2x4 compression web bracing must be installed where shown +.
3. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer.
4. No load should be applied to any component until after all bracing and fasteners are complete and at no time should any loads greater than design loads be applied to any component.
5. CompuTrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
6. This design is furnished subject to the limitations set forth by TPI/WTC in BCSI, copies of which will be furnished upon request.

MiTek USA, Inc./CompuTrus Software 7.6.4-SP5(1L)-E

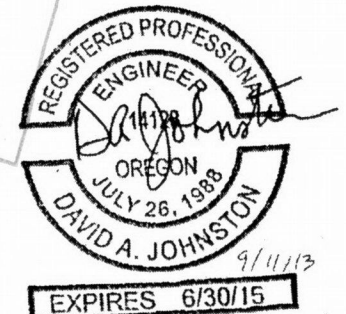
GENERAL NOTES, unless otherwise noted:

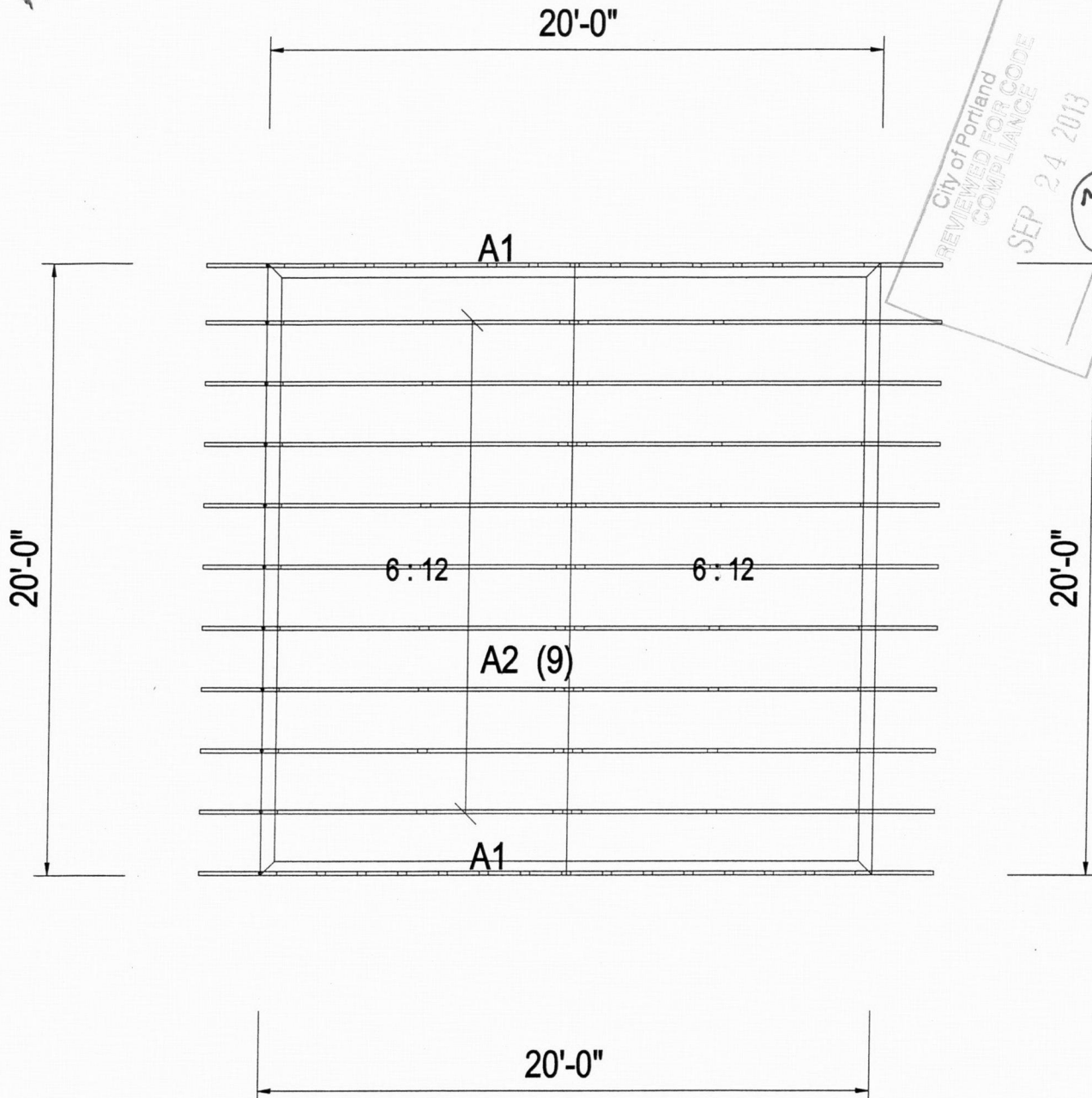
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9. Digits indicate size of plate in inches.
10. For basic connector plate design values see ESR-1311, ESR-1988 (MiTek)

Scale: 0.3525

City of Portland
REVIEWED FOR CODE
COMPLIANCE
SEP 24 2013

Permit Number





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DESIGNER: TOM CLARKE		ISSUE DATE: 09/04/13	ABOVE PLAN PROVIDED FOR TRUSS PLACEMENT ONLY REFER TO TRUSS CALCULATIONS AND ENGINEERED STRUCTURAL DRAWINGS FOR ALL FURTHER INFORMATION. BUILDING DESIGNER/ENGINEER OF RECORD RESPONSIBLE FOR ALL NON-TRUSS TO TRUSS CONNECTIONS. BUILDING DESIGNER/ENGINEER OF RECORD TO REVIEW AND APPROVE OF ALL DESIGNS PRIOR TO CONSTRUCTION.	Pacific Lumber & TRUSS COMPANY
PROJECT TITLE: 15529- TOM CLARKE		REVISION-1:		
DRAWN BY: JP	CHECKED BY:	REVISION-2:		
LIVERY LOCATION:	SCALE: 3/16" = 1'	REVISION-3:		

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