



City of Portland, Oregon - Bureau of Development Services

1900 SW Fourth Avenue • Portland, Oregon 97201 • 503-823-7300 • www.portlandoregon.gov/bds



Deferred Submittal Requirements and Application

Applicants will provide:

- A copy of this application
- Three (3) sets of plans
- One (1) set of calculations
- Two (2) sets of ~~product information~~ *Truss Eng.*
- Drawings and calculations must be stamped and signed by an Engineer registered in Oregon and approved by the Architect/Engineer of record for the building.
- Permit fee (paid at time of submittal)
- If the DFS includes exterior elements, plan views and elevations identifying the location(s) as approved by the Architect and Engineer of Record must be submitted.
- One (1) copy of your main building permit approved plans (NOTE: Approved plans do not need to be submitted if your project has a development liaison assigned)

Contractor submittal information:

Contact name RAILWAY Lofts, LLC
 Address 2 Centerpointe Dr #210
 City Lake Oswego State OR Zip Code 97035
 Phone (971) 533-9845 E-mail Cody@krrei.com
 Value of deferred submittal 1,100.00/unit Issued main building permit # 12-14737/72/74/67
 Description/Scope of work Truss Engineering

Fees

Deferred submittal (DFS) fees are collected in addition to the standard building review fee paid on the main building permit. DFS fees cover the cost of the additional processing and review time associated with the design build element.

The DFS fee for processing and reviewing deferred plan submittals is 10 percent of the building permit fee calculated using the value of the particular deferred portion of the project.,

Minimum fee: Residential, one and two family dwelling ...\$123 for DFS with valuation of less than or equal to \$222,000

Commercial and all other projects\$307 for DFS with valuation of less than or equal to \$680,000

The Bureau of Development Services (BDS) fee schedule is also available on the BDS web site at www.portlandoregon.gov/bds | select the Fees tab.

Helpful Information

Bureau of Development Services
1900 SW 4th Avenue, Portland, OR 97201

Submit your plans to:

Development Services Center (DSC), First Floor,
Tuesday - Friday:
8:00 am - 12:00 pm
Closed Mondays

Important Telephone Numbers

BDS main number 503-823-7300
 DSC automated information line 503-823-7310
 Building code information 503-823-1456
 BDS 24 hour inspection request line 503-823-7000
 Residential information for
 one and two family dwellings..... 503-823-7388
 City of Portland TTY 503-823-6868

DEFERRED SUBMITTAL REQUIREMENTS AND APPLICATION

20-00-00
 10-00-00 10-00-00

RAILWAY LOFTS

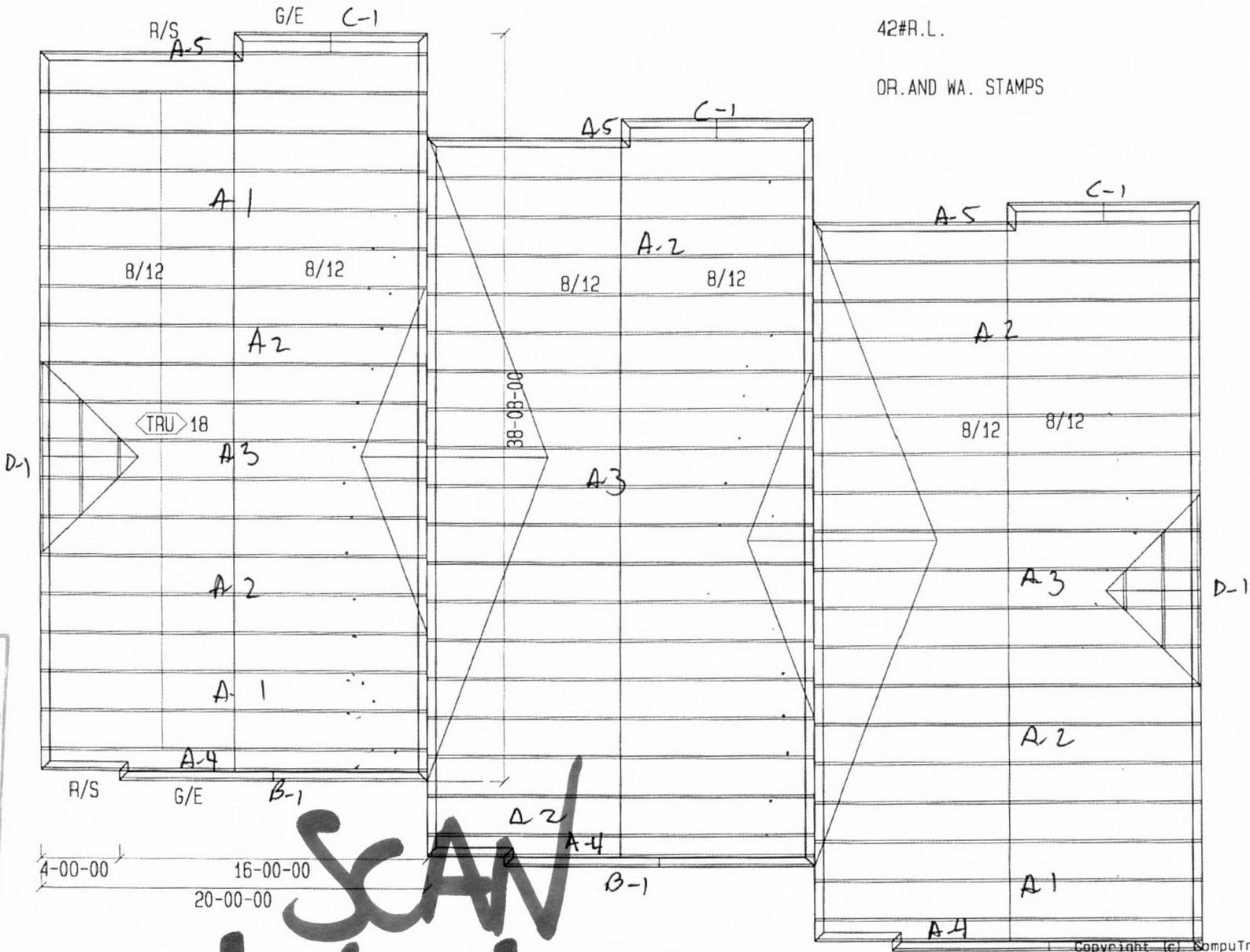
8/12 0-6-0 O/H (CONFIRM)

42#R.L.

OR. AND WA. STAMPS

1-00-00
 38-08-00
 37-02-00

City of Portland
 REVIEWED FOR CODE
 COMPLIANCE
 00-90-0
FEB 26 2013
 Permit Number



SCAN

Copyright (c) CompuTrus Inc.

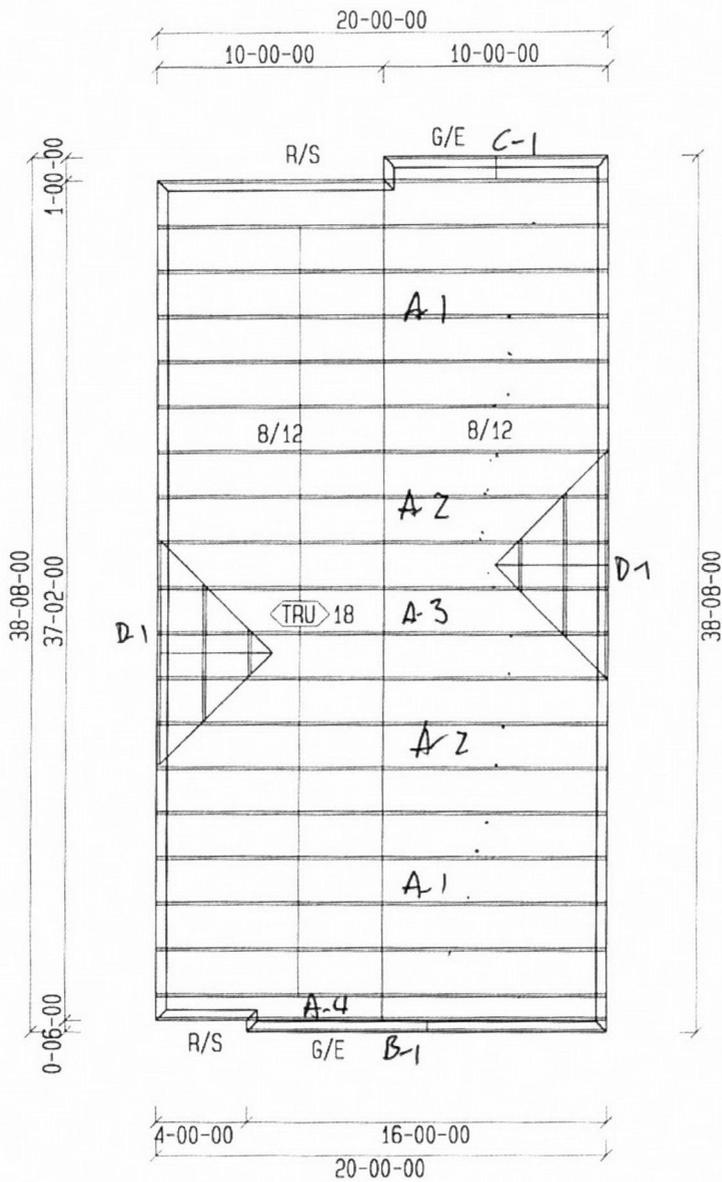
12-19-1361/11/12/14 WFS a PS **B-1**

RAILWAY LOFTS

8/12 0-6-0 O/H (CONFIRM)

42#R.L.

OR. AND WA. STAMPS



City of Portland
REVIEWED FOR CODE
COMPLIANCE
FEB 26 2013
Permit Number



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

TC LATERAL SUPPORT <= 12'00. UON.
 BC LATERAL SUPPORT <= 12'00. UON.
 OVERHANGS: 6.0' 6.0'

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
 ARIEL TRUSS VANCOUVER WASH 360-574-7333

IBC 2009	MAX MEMBER FORCES	4WR/GDF/Cq=1.00
1- 2=(-19)	31	2- 8=(-417) 827
2- 3=(-1099)	582	8- 6=(-417) 827
3- 4=(-827)	364	8- 4=(-111) 558
4- 5=(-827)	364	8- 5=(-277) 220
5- 6=(-1099)	582	
6- 7=(-19)	31	

BEARING LOCATIONS	MAX VERT REACTIONS	MAX HORIZ REACTIONS	BRG SIZE	REQUIRED BRG AREA SQ. IN. (SPECIES)
0' - 0.0'	-128/ 897V	-169/ 169H	5.50' 1.44	DF (625)
20' - 0.0'	-128/ 897V	-169/ 169H	5.50' 1.44	DF (625)

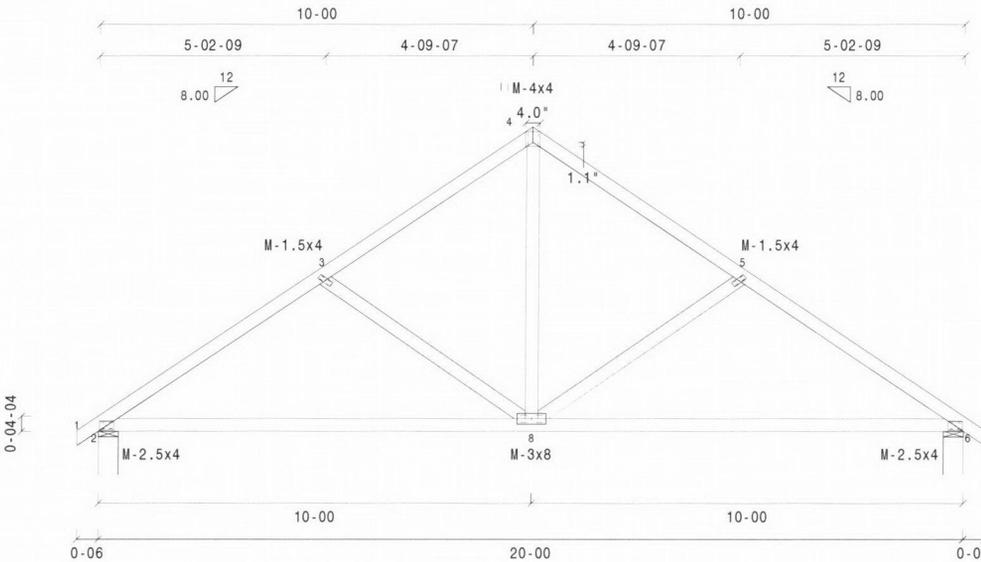
VERTICAL DEFLECTION LIMITS: LL=L/240, TL=L/180
 MAX LL DEFL = -0.000' @ 0' - 6.0' Allowed = 0.050'
 MAX TL DEFL = -0.000' @ 0' - 6.0' Allowed = 0.067'
 MAX LL DEFL = 0.028' @ 10' - 0.0' Allowed = 0.954'
 MAX TL DEFL = -0.041' @ 10' - 0.0' Allowed = 1.272'
 MAX LL DEFL = -0.000' @ 20' - 6.0' Allowed = 0.050'
 MAX TL DEFL = -0.000' @ 20' - 6.0' Allowed = 0.067'

MAX HORIZ. LL DEFL = -0.015' @ 19' - 6.5'
 MAX HORIZ. TL DEFL = 0.020' @ 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=20ft, TCDF=4.2, BCDF=6.0, ASCE 7-05, Enclosed, Cat.2, Exp.B, MWFRS, interior zone, load duration factor=1.6



JOB NAME: RAILWAY LOFTS - A1

Scale: 0.3018

Truss: A1
 DES. BY: BC
 DATE: 1/7/2013
 SEQ.: 5400981
 TRANS ID: 357826



WARNINGS:

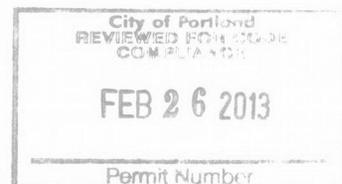
- Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
- 2x4 compression web bracing must be installed where shown.
- All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
- 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 7.6.3-SP6(1L)-E

GENERAL NOTES, unless otherwise noted:

- This truss design is adequate for the design parameters shown. Review and approval is the responsibility of the building designer, not the truss designer or truss engineer.
- 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, and are for "dry condition" of use.
- 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)



EXPIRES: 12-31-12





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

TC LATERAL SUPPORT <= 12'00. UON.
 BC LATERAL SUPPORT <= 12'00. UON.
 OVERHANGS: 6.0' 0.0'

Connector plate prefix designators:
 C,CN,C18,CN18 (if 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
 ARIEL TRUSS VANCOUVER WASH 360-574-7333

IBC 2009	MAX MEMBER FORCES	4WR/GDF/Cq=1.00
1-2=	-19	31
2-3=	-1100	585
3-4=	-829	367
4-5=	-829	368
5-6=	-1101	589

BEARING LOCATIONS	MAX VERT REACTIONS	MAX HORIZ REACTIONS	BRG SIZE	REQUIRED BRG AREA SQ. IN. (SPECIES)
0'-0.0'	900V	-169/ 169H	5.50"	1.44 DF (625)
20'-0.0'	839V	-169/ 169H	5.50"	1.34 DF (625)

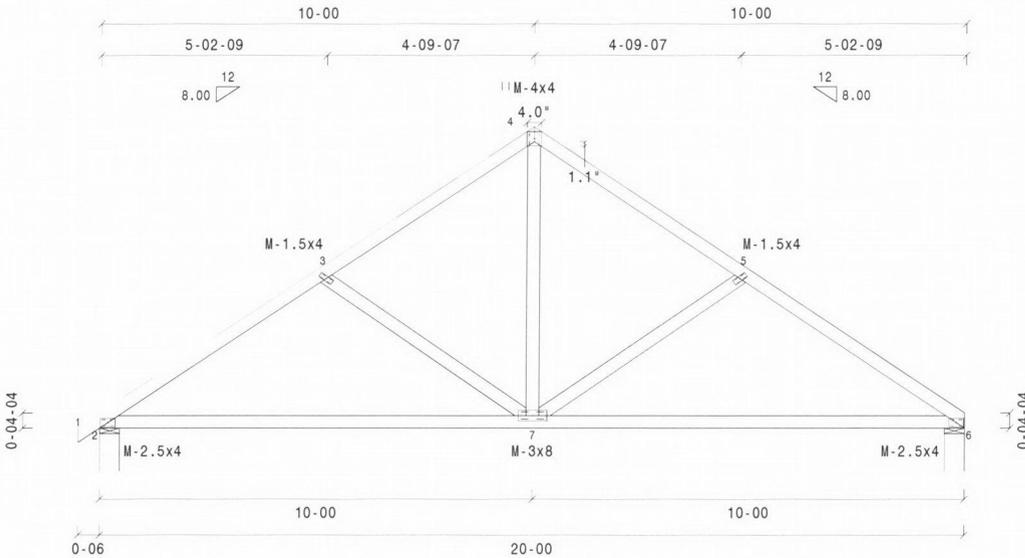
VERTICAL DEFLECTION LIMITS: LL=L/240, TL=L/180
 MAX LL DEFL = -0.000' @ 0' - 6.0' Allowed = 0.050'
 MAX TL DEFL = -0.000' @ 0' - 6.0' Allowed = 0.067'
 MAX LL DEFL = 0.028' @ 10' - 0.0' Allowed = 0.954'
 MAX TL DEFL = -0.041' @ 10' - 0.0' Allowed = 1.272'

MAX HORIZ. LL DEFL = -0.015' @ 19' - 6.5'
 MAX HORIZ. TL DEFL = 0.020' @ 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=20ft, TCDF=4.2,BCDL=6.0, ASCE 7-05, Enclosed, Cat.2, Exp.B, MWFRS, interior zone, load duration factor=1.6



JOB NAME: RAILWAY LOFTS - A2

Scale: 0.2987

Truss: A2

DES. BY: BC
 DATE: 1/7/2013
 SEQ.: 5400982
 TRANS ID: 357826



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 +
- All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
- 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
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- This design is furnished subject to the limitations set forth by TP/WTCFA in BCSI, copies of which will be furnished upon request.

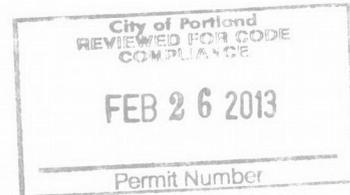
MiTek USA, Inc./CompuTrus Software 7.6.3-SP6(1L)-E

GENERAL NOTES, unless otherwise noted:

- This truss design is adequate for the design parameters shown. Review and approval is the responsibility of the building designer, not the truss designer or truss engineer.
- 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, and are for "dry condition" of use.
- 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)



EXPIRES: 12-31-12





LUMBER SPECIFICATIONS
 TC: 2x4 DF #1&8TR
 BC: 2x4 DF #1&8TR
 WEBS: 2x4 DF STAND

TC LATERAL SUPPORT <= 12'00. UON.
 BC LATERAL SUPPORT <= 12'00. UON.

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
 ARIEL TRUSS VANCOUVER WASH 360-574-7333

IBC 2009 MAX MEMBER FORCES 4WR/GDF/Cq=1.00
 1-2=(-1102) 592 1-6=(-429) 832 2-6=(-281) 229
 2-3=(-830) 372 6-5=(-429) 832 6-3=(-122) 562
 3-4=(-830) 372 6-4=(-281) 229
 4-5=(-1102) 592

BEARING LOCATIONS	MAX VERT REACTIONS	MAX HORIZ REACTIONS	BRG SIZE	REQUIRED BRG AREA SQ. IN. (SPECIES)
0' - 0.0'	-116/ 840V	-169/ 169H	5.50"	1.34 DF (625)
20' - 0.0'	-116/ 840V	-169/ 169H	5.50"	1.34 DF (625)

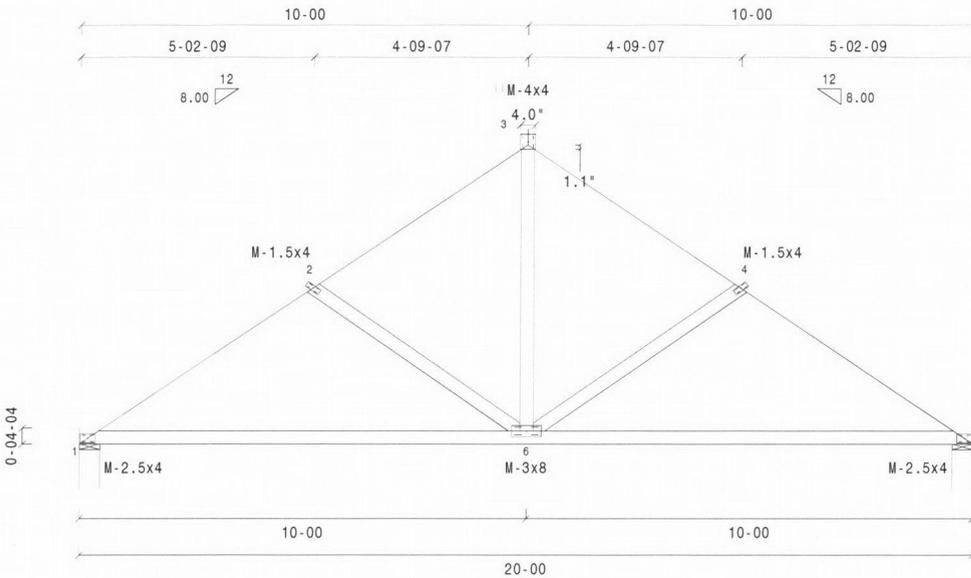
VERTICAL DEFLECTION LIMITS: LL=L/240, TL=L/180
 MAX LL DEFL = 0.029' @ 10' - 0.0' Allowed = 0.954'
 MAX TL DEFL = -0.041' @ 10' - 0.0' Allowed = 1.272'

MAX HORIZ. LL DEFL = -0.015' @ 19' - 6.5'
 MAX HORIZ. TL DEFL = 0.020' @ 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=20ft, TCDL=4.2, BCDL=6.0, ASCE 7-05, Enclosed, Cat.2, Exp. B, MWFRS, interior zone, load duration factor=1.6



JOB NAME: RAILWAY LOFTS - A3

Scale: 0.3086

Truss: A3

DES. BY: BC
 DATE: 1/7/2013
 SEQ.: 5400983
 TRANS ID: 357826



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. All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
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/WTCA in BCSI, copies of which will be furnished upon request.

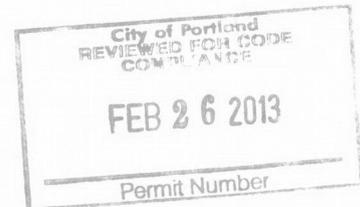
MiTek USA, Inc./CompuTrus Software 7.6.3-SP6(1L)-E

GENERAL NOTES, unless otherwise noted:

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2. 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).
3. 2x Impact bridging or lateral bracing required where shown +
4. Installation of truss is the responsibility of the respective contractor.
5. Design assumes trusses are to be used in a non-corrosive environment, and are for "dry condition" of use.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic connector plate design values see ESR-1311, ESR-1988 (MiTek)



EXPIRES: 12-31-12





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

TC LATERAL SUPPORT <= 12' OC. UON.
 BC LATERAL SUPPORT <= 12' OC. UON.

OVERHANGS: 6.0' 6.0'

M-1.5x4 or equal at non-structural vertical members (uon).

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
 ARIEL TRUSS VANCOUVER WASH 360-574-7333

IBC 2009	MAX MEMBER FORCES	4WR/GDF/Cq=1.00
1- 2=(-19) 31	2- 8=(-417) 827	3- 8=(-277) 220
2- 3=(-1099) 582	8- 6=(-417) 827	8- 4=(-111) 558
3- 4=(-827) 364		8- 5=(-277) 220
4- 5=(-827) 364		
5- 6=(-1099) 582		
6- 7=(-19) 31		

BEARING LOCATIONS	MAX VERT REACTIONS	MAX HORIZ REACTIONS	BRG SIZE	REQUIRED BRG AREA SQ. IN.	(SPECIES)
0' - 0.0'	-128/ 897V	-169/ 169H	5.50"	1.44	DF (625)
20' - 0.0'	-128/ 897V	-169/ 169H	5.50"	1.44	DF (625)

VERTICAL DEFLECTION LIMITS: LL=L/240, TL=L/180
 MAX LL DEFL = -0.000' @ 0' - 6.0' Allowed = 0.050'
 MAX TL DEFL = -0.000' @ 0' - 6.0' Allowed = 0.067'
 MAX LL DEFL = 0.028' @ 10' - 0.0' Allowed = 0.954"
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 MAX LL DEFL = -0.000' @ 20' - 6.0' Allowed = 0.050'
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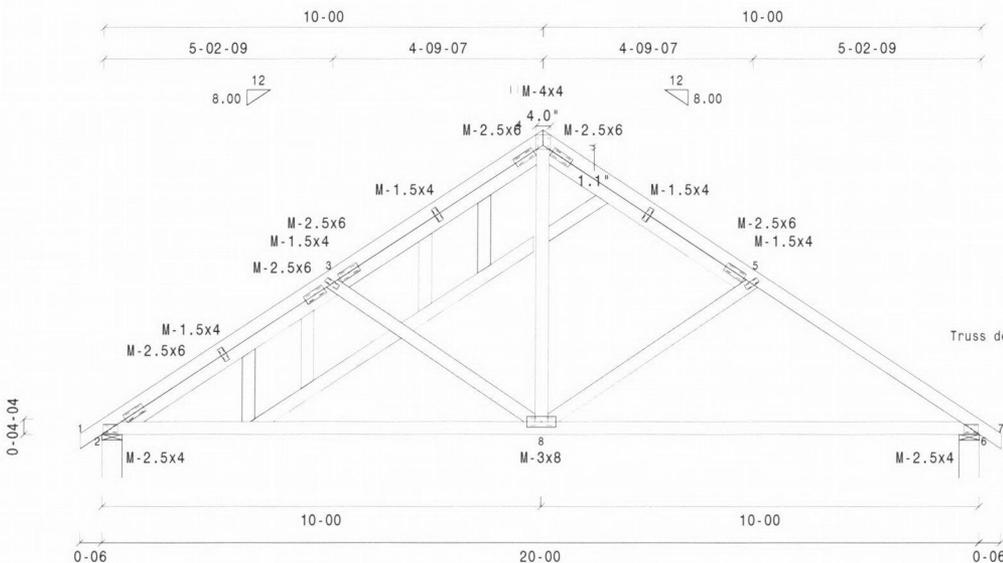
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Wind: 110 mph, h=20ft, TCDF=4.2, BCDL=6.0, ASCE 7-05, Enclosed, Cat.2, Exp.B, WFRS, interior zone, load duration factor=1.6

M-2.5x4 or equal at non-structural diagonal inlets.

Truss designed for 4x2 outlookers. 2x4 let-ins of the same size and grade as structural top chord. Insure tight fit at each end of let-in. Outlookers must be cut with care and are permissible at inlet board areas only.

Truss designed for wind loads in the plane of the truss only.



JOB NAME: RAILWAY LOFTS - A4

Scale: 0.3018

Truss: A4
 DES. BY: BC
 DATE: 1/7/2013
 SEQ.: 5400984
 TRANS ID: 357826



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 +
- All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
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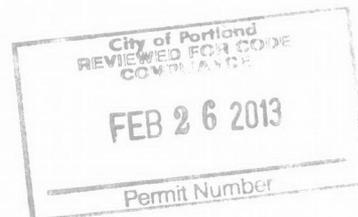
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- Digits indicate size of plate in inches.
- For basic connector plate design values see ESR-1311, ESR-1988 (MiTek)

MiTek USA, Inc./CompuTrus Software 7.6.3-SP6(1L)-E



EXPIRES: 12-31-12





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

TC LATERAL SUPPORT <= 12' OC. UON.
 BC LATERAL SUPPORT <= 12' OC. UON.

OVERHANGS: 6.0' 6.0'

M-1.5x4 or equal at non-structural vertical members (uon).

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

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

This design prepared from computer input by
 ARIEL TRUSS VANCOUVER WASH 360-574-7333

IBC 2009	MAX MEMBER FORCES	4WR/GDF/Cq=1.00
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3- 4= (-827) 364		8- 5= (-277) 220
4- 5= (-827) 364		
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6- 7= (-19) 31		

BEARING LOCATIONS	MAX VERT REACTIONS	MAX HORIZ REACTIONS	BRG SIZE	REQUIRED BRG AREA SQ. IN.	(SPECIES)
0' - 0.0'	-128/ 897V	-169/ 169H	5.50" 1.44"	DF	(625)
20' - 0.0'	-128/ 897V	-169/ 169H	5.50" 1.44"	DF	(625)

VERTICAL DEFLECTION LIMITS: LL=L/240, TL=L/180
 MAX LL DEFL = -0.000" @ 0' - 6.0' Allowed = 0.050"
 MAX TL DEFL = -0.000" @ 0' - 6.0' Allowed = 0.067"
 MAX LL DEFL = 0.028" @ 10' - 0.0' Allowed = 0.954"
 MAX TL DEFL = -0.041" @ 10' - 0.0' Allowed = 1.272"
 MAX LL DEFL = -0.000" @ 20' - 6.0' Allowed = 0.050"
 MAX TL DEFL = -0.000" @ 20' - 6.0' Allowed = 0.067"

MAX HORIZ. LL DEFL = -0.015" @ 19' - 6.5'
 MAX HORIZ. TL DEFL = 0.020" @ 19' - 6.5'

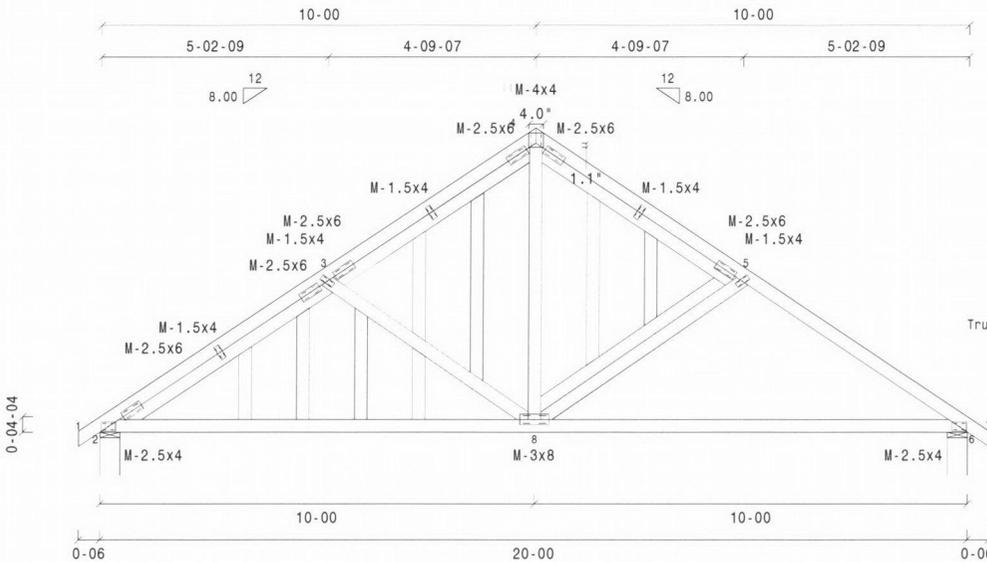
This truss does not include any time dependent deformation for long term loading (creep) in the total load deflection. The building designer shall verify that this parameter fits with the intended use of this component.

Design conforms to main windforce-resisting system and components and cladding criteria.
 Wind: 110 mph, h=20ft, TCDF=4.2, BCDL=6.0, ASCE 7-05, Enclosed, Cat.2, Exp.B, MWFRS, interior zone, load duration factor=1.6

M-2.5x4 or equal at non-structural diagonal inlets.

Truss designed for 4x2 outlookers, 2x4 let-ins of the same size and grade as structural top chord. Insure tight fit at each end of let-in. Outlookers must be cut with care and are permissible at inlet board areas only.

Truss designed for wind loads in the plane of the truss only.



JOB NAME: RAILWAY LOFTS - A5

Scale: 0.3011

Truss: A5
 DES. BY: BC
 DATE: 1/7/2013
 SEQ.: 5400985
 TRANS ID: 357826



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 +
- All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
- 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 7.6.3-SP6(1L)-E

GENERAL NOTES, unless otherwise noted:

- This truss design is adequate for the design parameters shown. Review and approval is the responsibility of the building designer, not the truss designer or truss engineer.
- 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 and are for "dry condition" of use.
- 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)





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

TC LATERAL SUPPORT <= 12' OC. UON.
 BC LATERAL SUPPORT <= 12' OC. UON.

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

TRUSS SPAN 16' - 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.

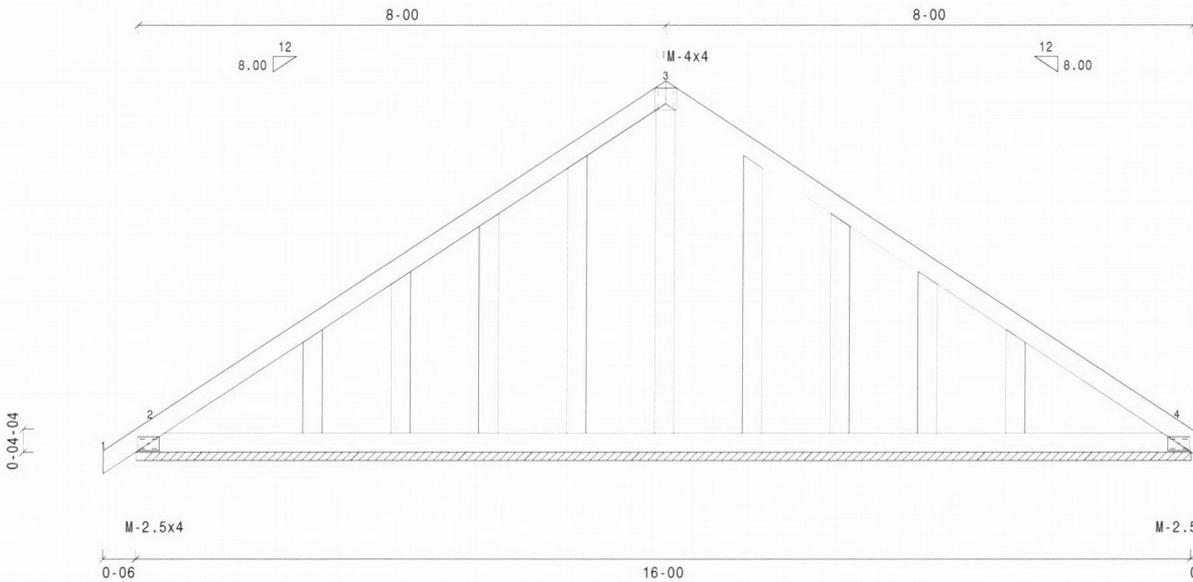
This design prepared from computer input by
 ARIEL TRUSS VANCOUVER WASH 360-574-7333

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

Wind: 110 mph, h=20ft, TCCL=4.2, BCCL=6.0, ASCE 7-05,
 Enclosed, Cat.2, Exp.8, WWFRS,
 interior zone, load duration factor=1.6

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.

Truss designed for wind loads in the plane of the truss only.



JOB NAME: RAILWAY LOFTS - B1

Scale: 0.4533

Truss: B1
 DES. BY: BC
 DATE: 1/7/2013
 SEQ.: 5400986
 TRANS ID: 357826



WARNINGS:

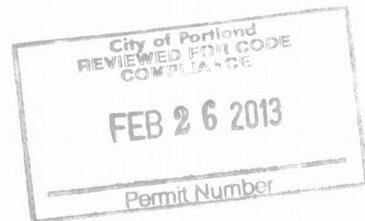
1. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
2. 2x4 compression web bracing must be installed where shown +
3. All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
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.

GENERAL NOTES, unless otherwise noted:

1. This truss design is adequate for the design parameters shown. Review and approval is the responsibility of the building designer, not the truss designer or truss engineer.
2. 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).
3. 2x Impact bridging or lateral bracing required where shown +
4. Installation of truss is the responsibility of the respective contractor, and are for "dry condition" of use.
5. Design assumes trusses are to be used in a non-corrosive environment.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic connector plate design values see ESR-1311, ESR-1988 (MiTek)

MiTek USA, Inc./CompuTrus Software 7.6.3-SP6(1L)-E

EXPIRES: 12-31-12





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

TC LATERAL SUPPORT <= 12' OC. UON.
 BC LATERAL SUPPORT <= 12' OC. UON.

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

TRUSS SPAN 10' - 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.

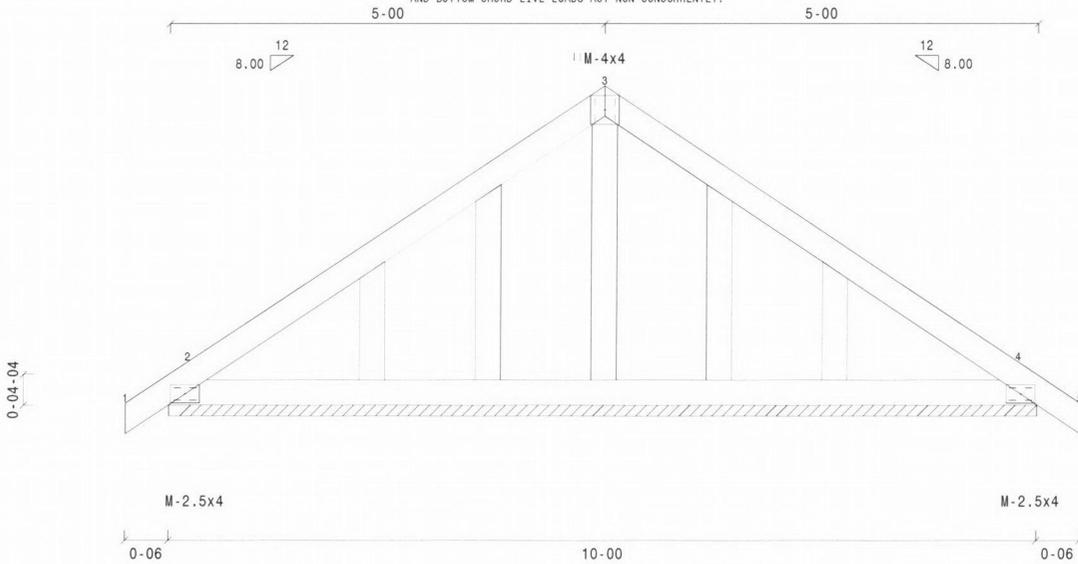
BOTTOM CHORD CHECKED FOR 10PSF LIVE LOAD. TOP
 AND BOTTOM CHORD LIVE LOADS ACT NON-CONCURRENTLY.

This design prepared from computer input by
 ARIEL TRUSS VANCOUVER WASH 360-574-7333

Design conforms to main windforce-resisting
 system and components and cladding criteria.
 Wind: 110 mph, h=20ft, TCOL=4.2,BCOL=6.0, ASCE 7-05,
 Enclosed, Cat.2, Exp.B, MWFRS,
 interior zone, load duration factor=1.6

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.

Truss designed for wind loads in the plane of the truss only.



EXPIRES: 12-31-12



JOB NAME: RAILWAY LOFTS - C1

Scale: 0.6023

Truss: C1
 DES. BY: BC
 DATE: 1/7/2013
 SEQ.: 5400987
 TRANS ID: 357826



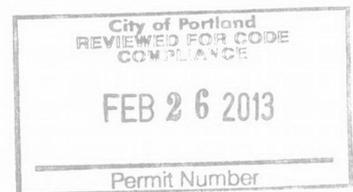
WARNINGS:

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. All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
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 7.6.3-SP6(1L)-E

GENERAL NOTES, unless otherwise noted.

1. This truss design is adequate for the design parameters shown. Review and approval is the responsibility of the building designer, not the truss designer or truss engineer.
2. 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).
3. 2x Impact bridging or lateral bracing required where shown + +.
4. Installation of truss is the responsibility of the respective contractor and are for "dry condition" of use.
5. Design assumes trusses are to be used in a non-corrosive environment, and are for "dry condition" of use.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic connector plate design values see ESR-1311, ESR-1988 (MiTek)





LUMBER SPECIFICATIONS

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

TC LATERAL SUPPORT <= 12'00. UON.
BC LATERAL SUPPORT <= 12'00. UON.

M-1.5x4 or equal at non-structural vertical members (uon).

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

TRUSS SPAN 10'-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.

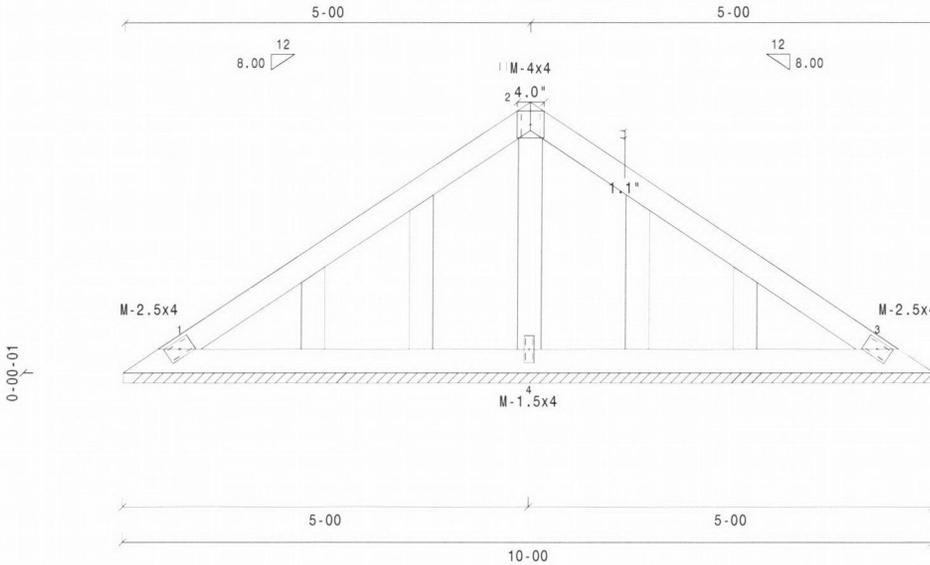
This design prepared from computer input by
ARIEL TRUSS VANCOUVER WASH 360-574-7333

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

Wind: 110 mph, h=20ft, TCDF=4.2,BCDF=6.0, ASCE 7-05, Enclosed, Cat.2, Exp.B, MWFRS, interior zone, load duration factor=1.6

Valley truss on continuous support. M-1x2 or equal typical at stud verticals. Refer to CompuTrus standard Valley Detail for complete specifications.

Truss designed for wind loads in the plane of the truss only.



JOB NAME: RAILWAY LOFTS - D1

Scale: 0.5647

Truss: D1
DES. BY: BC
DATE: 1/7/2013
SEQ.: 5400988
TRANS ID: 357826

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. All lateral force resisting elements such as temporary and permanent stability bracing must be designed by designer of complete structure. CompuTrus assumes no responsibility for such bracing.
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/WTCA in BCS1, copies of which will be furnished upon request.

GENERAL NOTES, unless otherwise noted:

1. This truss design is adequate for the design parameters shown. Review and approval is the responsibility of the building designer, not the truss designer or truss engineer.
2. 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).
3. 2x impact bridging or lateral bracing required where shown.
4. Installation of truss is the responsibility of the respective contractor, and are for "dry condition" of use.
5. Design assumes trusses are to be used in a non-corrosive environment, and are for "dry condition" of use.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic connector plate design values see ESR-1311, ESR-1988 (MiTek)

MiTek USA, Inc./CompuTrus Software 7.6.3-SP6(1L)-E



EXPIRES: 12-31-12

