7459 SW 49TH CT REV01,DFS01 RS01-165214

RS. 01.165214 REV.01.

" " DFS. 01.

A 21 THRU 22

APR 0 5 2002

MICROFILMED

CITY OF

PORTLAND, OREGON

OFFICE OF PLANNING AND DEVELOPMENT REVIEW
1900 SW 4th Ave, Suite 5000
Portland, OR 97201

MULTNOMAH COUNTY

RESIDENTIAL 1 & 2 FAMILY PERMIT

01-165214-REV-01-RS

Site Address: 7459 SW 49TH CT
7459 SW 49TH

Issued: 4/2/02

PROJECT INFORMATION		Occ. Group	Const. Type
Single Family Dwelling	Addition	R3	V-N

Project Description: change to roof framing and trusses

APPLICANT	GUY ALTMAN, ARCHITECT *GUY ALTMAN*	Phone	(503) 246-5767
OWNER	ED GAMBEE & KAREN GAMBEE	Phone	
CONTRACTOR	DAVID SMITH PLUMBING INC	Phone	

Project Details

Code Edition (Year)	2000
Mechanical Subcontractor Label #	01-012585; 02-09140
Plumbing Subcontractor Label #	01-007874
SI-Soils	Yes
Zoning Enforcement Agency	Portland

Project Details

Electrical Subcontractor Label #	02-11622
Number of Stories	3
SI-Anchors - Adhesive	Yes
Water District	Portland Water Bure

PAID
APR 02 2002
CITY OF PORTLAND

BEFORE YOU DIG

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-800-332-2344).

CITY CONTACT

E-Mail:

Phone:

Fax: (503) 823-4172

INSPECTION REQUEST PHONES NUMBERS

Building/Trade Inspections - Call Before 6:00 AM: (503) 823-7000

TDD: (503) 823-6868

IVR Inspection Request Number: 2128754

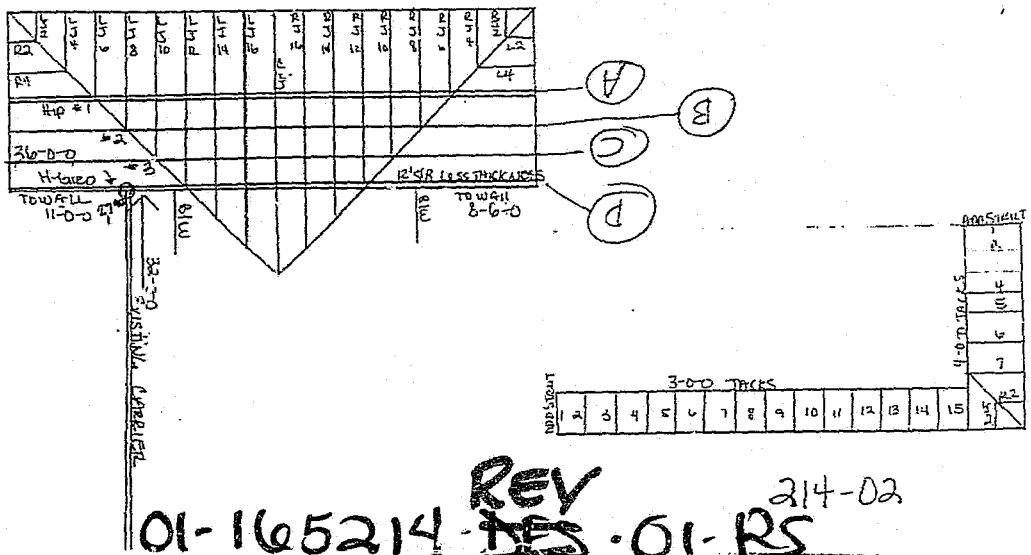
FAX TO 503 291 1220

DENALI CONST.
6/12 1-4-0 O.H.
42* COMP 24" O.C

7459 S.W. 49th COURT
PORTLAND, OR

-3852
E4 WED
2/20/02

City of Portland
APPROVED
APR 0 2 2002
Permit Number



01-165214 ~~RES~~ REV 214-02 · 01-RS

City of Portland
APPROVED
APR 0 2 2002
Permit Number

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
	TOP CHORDS:		
2x 4	DF	#2	1- 8
	BOTTOM CHORDS:		
2x 4	DF	#2	1- 7
	WEBS:		
2x 4	DF	STAND	1-12

TC LATERAL SUPPORT <= 12"OC, DOS.
BC LATERAL SUPPORT <= 12"OC, DOS.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL TOP CHORD AREAS NOT SHEATHED

36- 0- 0 HIP SETBACK 6- 0- 0 FROM END WALL
LOAD DURATION INCREASE = 1.15 +

LOADING

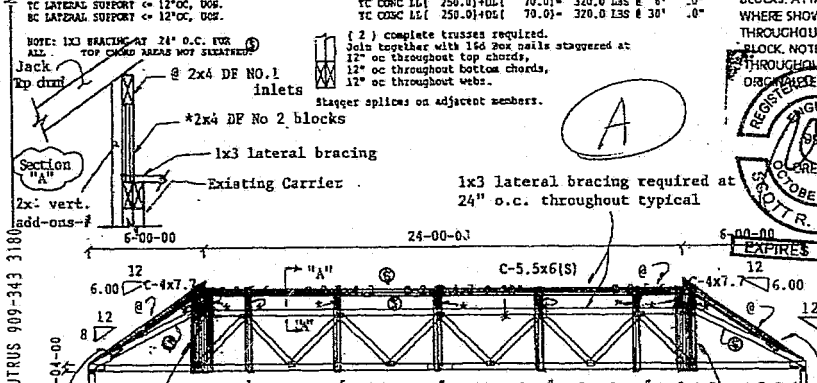
TC UNIF LL(	50.0)+DL(	14.0)=	64.0 PLF	0'	.0"	TO	6'	.0"
TC UNIF LL(	100.0)+DL(	28.0)=	128.0 PLF	6'	.0"	TO	30'	.0"
TC UNIF LL(	50.0)+DL(	14.0)=	64.0 PLF	30'	.0"	TO	36'	.0"
BC UNIF LL(	.0)+DL(	20.0)=	20.0 PLF	0'	.0"	TO	36'	.0"

TC CONC LL(	250.0)+DL(	70.0)=	320.0 LBS @	6'	.0"
TC CONC LL(	250.0)+DL(	70.0)=	320.0 LBS @	30'	.0"

(2) complete trusses required.
Join together with 16d 2ox nails staggered at
12" oc throughout top chords,
12" oc throughout bottom chords,
12" oc throughout webs.

Stagger splices on adjacent members.

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8:12 PITCH INLET A 2x4 OF #1 HORIZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT BEARINGS. INLET 2x4 BLOCKS UNDER NEW TOP CHORD TO STRUCTURAL FLAT TOP CHORDS WHERE SHOWN *. ATTACH 2x4 OF NO.2 VERTICAL POSTS TO FACE SIDE WITH 3-16d NAILS AT EACH INTERSECTION AND 16d NAILS STAGGERED AT 2"OC INTO BLOCKS. ATTACH 2x10 DF #2 VERTICAL ADD-ONS TO FACE SIDE WHERE SHOWN WITH 16d NAILS STAGGERED AT 4"OC THROUGHOUT STRUCTURAL VERTICAL MEMBER AND 2"OC INTO BLOCK. NOTE: 1X3 BRACING IS REQUIRED AT 24"OC - (S) THROUGHOUT ENTIRE STRUCTURAL TOP CHORDS. REFER TO ORIGINAL DRAWING FOR COMPLETE DETAILS



REGISTERED PROFESSIONAL ENGINEER 9961 STATE OF OREGON OCTOBER 6, 1970 SCOTT R. CARROLL
EXPIRES 12/31/03

SCOTT R. CARROLL STATE OF WASHINGTON 17776 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 6/10/03

Scale: 3/16"
JOB NAME: DENALI 8216-02 BB [OREGON]

This design prepared from computer input by ARIEL TRUSS CO.

Design conforms to UBC-97 Anver: 1.00(1L)-

FILE NO.: 36NIP6
DATE: 3/21/2002
DES. BY: P
SEQ.: 703826

R-709629 R 3/27/02 KJ

WARNING:
1. Read all General Notes and WARNINGS before on-site erection of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before beginning construction.
3. All temporary web bracing must be installed where shown +.
4. All lateral bracing, anchoring elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No bad should be applied to any component until all bracing and fasteners are complete, and at no time should any load greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the Definitions as from Section 100 (with by the Truss Plate Institute in "Bracing Wood Trusses, TPI-85"), a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 impact bridging or lateral bracing recommended where shown + +
4. Installation of bracing is the responsibility of the respective contractor.
5. Design is assumed 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 that center lines coincide with joint center lines.
9. Dims. below is size of plate in inches.
10. For basic design values of the Computrus Plate, indicated by the prefix "CN", see ICBO Rpt. #4201.
11. The Computrus Mfg. Seqnt. Plate is indicated by the prefix "CN", the designator (18) indicates 18 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURING, ENGINEERING, COMPUTER SYSTEMS

City of Portland
APPROVED
APR 0 2 2002
Permit Number

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
TOP CHORDS:			
2x 4	DF	#2	1- 8
BOTTOM CHORDS:			
2x 4	DF	#2	1- 7
WEBS:			
2x 4	DF	STAND	1-12

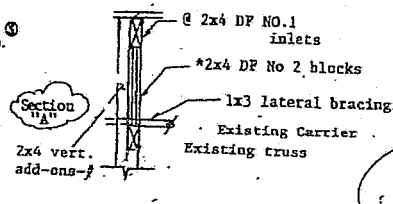
TC LATERAL SUPPORT <= 12"OC, TOW.
BC LATERAL SUPPORT <= 12"OC, TOW.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL TOP CHORD AREAS NOT SHEATHED.

TRUSS SPAN 36'- .00"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

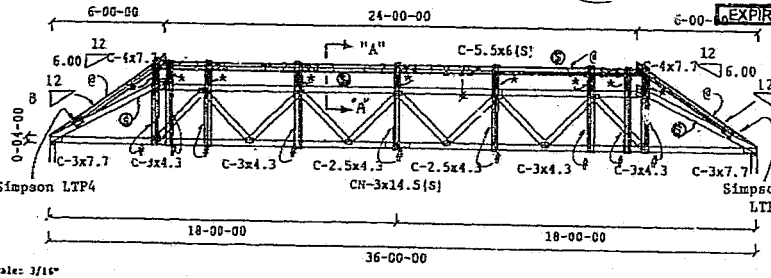
LOADING
LL(25.0)+DL(7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF*
TOTAL LOAD = 42.0 PSF*
*5 PSF REDUCTION TAKEN ON BOTTOM CHORD, AXIAL STRESS ONLY.

FIELD REPAIR FOR TRUSS TO SLOPE 3:12 PITCH. INLET A 2x4 OF #1 HORIZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT HEEL ENDS. INLET 2x4 BLOCKS UNDER NEW TOP CHORD TO EXISTING STRUCTURAL TOP CHORDS WHERE SHOWN *. ATTACH 2x4 OF NO.2 VERTICAL POSTS TO ONE FACE WITH 3-16d NAILS AT EACH INTERSECTION AND 16d NAILS STAGGERED AT 2"OC INTO BLOCKS. REFER TO ORIGINAL SEQ NO FOR COMPLETE DETAILS.
NOTE: 1X3 BRACING MUST BE INSTALLED AT 24"OC THROUGHOUT WHERE SHOWN *.



B

REGISTERED PROFESSIONAL ENGINEER 9961 OREGON OCTOBER 6, 1978 SCOTT R. CARROLL
EXPIRES 12/31/03



SCOTT R. CARROLL STATE OF WASHINGTON 17778 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 6/10/03

Scale: 3/16"
JOB NAME: DENALI #218-02 2B (OREGON)

This design prepared from computer input by ARIEL TRUSS CO.

Design conforms to UBC-97 AnVer: 1.08(1L)-

FILE NO.: 36HPB
DATE: 3/21/2002
DES. BY: R
SEQ.: 703827
R-70963+ R 3/28/02 MJ

WARNING:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. All components with bracing must be installed where shown.
4. All lateral forces including concentric such as temporary and permanent bracing, must be analyzed and provided by designer of complete structure. Ariel Truss assumes no responsibility for such bracing.
5. No load should be applied to any component until all bracing and fasteners are complete, and at no time should any loads greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the limitations as stated elsewhere and form by the Truss Plate Institute in "Bracing Wood Trusses, HIB-91", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes top and bottom chords to be laterally braced at 24" o.c. and at 12" o.c. respectively.
3. See Hanger Bracing or Lateral Bracing recommended 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 conditions 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 sides of truss, and placed so their center lines coincide with joint center lines.
9. Dots indicate size of plate in inches.
10. 20 gauge galvanized plates are used unless otherwise noted.
11. The Computrus Inc. Seal on this plate is indicated by the prefix "CN", the designation (16) indicates 16 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURED, DESIGNED, DELIVERED FOR RENT

City of Portland
APPROVED
MAR 28 2002
Permit Number

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8:12 PITCH INLETS 2x4 DF #1 HORIZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT HEEL ENDS. INLET 2x4 BLOCKS UNDER NEW TOP CHORD TO EXISTING OVER-FRAMING TOP CHORDS WHERE SHOWN * ATTACH 2x4 DF NO.2 VERTICAL POSTS TO ONE FACE WITH 3-16d NAILS AT EACH INTERSECTION AND 16d NAILS STAGGERED AT 2"OC INTO BLOCKS. REFER TO ORIGINAL SEQ NO FOR COMPLETE DETAILS

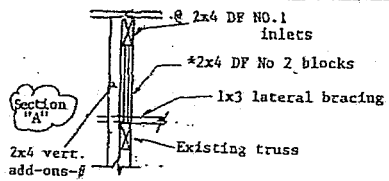
NOTE, 1x3 BRACING MUST BE INSTALLED AT 24"OC THROUGHOUT WHERE SHOWN

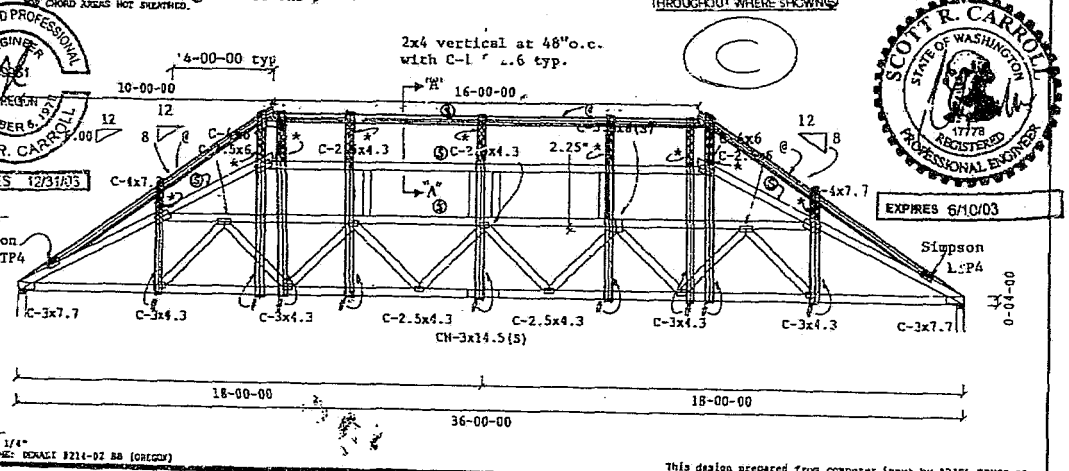
LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
	TOP CHORDS:		
2x 4	DF	#2	1- 8
	BOTTOM CHORDS:		
2x 4	DF	#2	1- 7
	WEBS:		
2x 4	DF	STAND	1-12

TC LATERAL SUPPORT <= 32"OC, BOH.
BC LATERAL SUPPORT <= 32"OC, BOH.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL NON CHORD WEBS NOT SHEATHED.





REGISTERED PROFESSIONAL ENGINEER OREGON OCTOBER 6, 1987 SCOTT R. CARROLL
EXPIRES 12/31/03

SCOTT R. CARROLL STATE OF WASHINGTON 17778 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 6/10/03

Scale: 1/4"
JOB NAME: DEKALB #214-02 SB (OREGON)

This design prepared from computer input by ARIEL TRUSS CO.

FILE NO.: 36HIP10
DATE: 3/11/2002
DES. BY: R
SEQ.: 703625
R-70963Z R 3/28/02 MJ

WARNING:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. Not responsible for bracing if used for purposes other than shown.
4. All lateral force resisting systems such as diagonal and permanent bracing must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. 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.
6. Computrus does not control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is tendered subject to the Guidelines on truss designs set forth by the Truss Plate Institute in "Bracing Wood Trusses, HIB-91", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes top and bottom chords to be laterally braced at 24" O.C. and at 12'-0" O.C. respectively.
3. Set impact bridging or lateral bracing (recommended 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 adequate bearing at supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plate shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Dims indicated are in feet in inches.
10. For "mm" dimensions, refer to Computrus Plate, indicated by the prefix "C", ex: C-1 (C-1, C-2, C-11).
11. The Computrus Plate Designs Plate is indicated by the prefix "CH", the designator (18) indicates 18 ga. material is used. All others are 20 ga.

Design conforms to UBC-97 AnVer: 1.06(11L)-N

Computrus Inc.
BUILDING TRUSS DESIGNERS COMPUTER SYSTEMS

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
TOP CHORDS:			
2x 4	DF	#2	1-18
BOTTOM CHORDS:			
2x 7.5400	DF	2S	1-18
WEBS:			
2x 4	DF	#2	7,11
2x 4	DF	STAND	1- 6, 8-10,12-17

TC LATERAL SUPPORT <= 12"OC, DOM.
BC LATERAL SUPPORT <= 12"OC, DOM.

Loads as given.

NOTE: 1X3 BRACING AT 24" O.C. FOR (3) ALL . TOP CHORD AREAS NOT SHEATHED.
Caution: Note bearing area requirements.

B.C. Lumber must be 7.5400" minimum depth.

36- 0- 0 GIRDER TRUSS SUPPORTING 32- 0- 0
FROM 5- 0- 0 TO 28- 0- 0
LOAD DURATION INCREASE = 1.15

LOADING

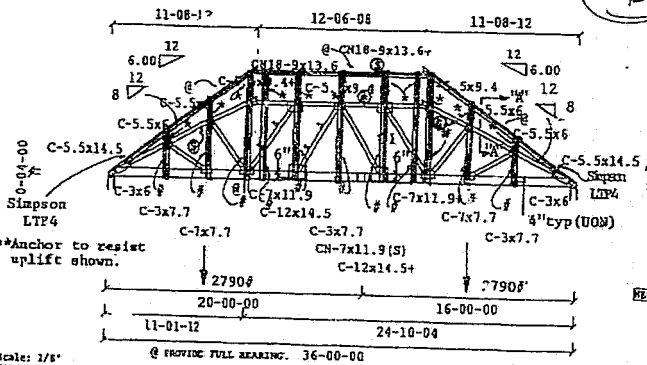
TC UNIF LL(	50.0)+DL(	14.0)=	64.0 PLF	0'	.0" TO 36'	.0"
BC UNIF LL(	.0)+DL(	10.0)=	10.0 PLF	0'	.0" TO 36'	.0"
BC UNIF LL(	375.0)+DL(	180.0)=	555.0 PLF	8'	.0" TO 28'	.0"

BC CONC LL+DL= 2790.0 LBS @ 8' .0"
BC CONC LL+DL= 2790.0 LBS @ 28' .0"

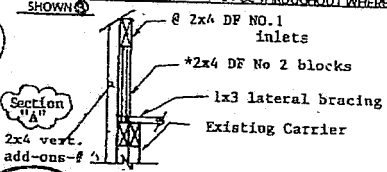
[2] complete trusses required.
Join together with 16d Box nails staggered at
12" oc throughout top chords,
4" oc throughout bottom chords,
12" oc throughout webs.

Stagger splices on adjacent members.

FIELD REPAIR FOR TRUSS TO SLOPE AT 8:12 PITCH, UNLESS 2x4 OF #1 HORZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT HEEL ENDS, INLET 2x4 BLOCKS UNDER NEW TOP CHORD TO EMBRACING STRUCTURAL TOP CHORDS WHERE SHOWN * ATTACH 2x4 DF NO 2 VERTICAL POSTS TO ONE FACE WITH 3-16d NAILS AT EACH INTERSECTION AND 12"OC THROUGHOUT TRUSS VERTICALS AND 16d NAILS STAGGERED AT 2"OC IN TO BLOCKING. REFER TO ORIGINAL SEQ NO FOR COMPLETE DETAILS. NOTE. 1X3 BRACING MUST BE INSTALLED AT 24"OC THROUGHOUT WHERE SHOWN (3)



Scale: 1/8"
JOB NAME: DEMALI #214-02 BB (OREGON)



REGISTERED PROFESSIONAL ENGINEER 8991 OREGON OCTOBER 8, 1978 SCOTT R. CARROLL

EXPIRES 12/31/03

HEDGS REQUIRED AT HEEL(S).

SCOTT R. CARROLL STATE OF WASHINGTON 17778 REGISTERED PROFESSIONAL ENGINEER

EXPIRES 6/10/03

This design prepared from computer input by ARIEL TRUSS CO.

Design conforms to UBC-97 AnVer: 1.08(1L)-

FILE NO.: 36HPGRD
DATE: 3/25/2002
DES. BY: R
SEQ:: 706185

WARNINGS

1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. All temporary and web bracing must be installed when shown +.
4. All lateral force resisting elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until after all bracing and reinforcing strengthen, and at no time should any loads greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is based on and must be installed as Truss designs and built by the Truss Plate Institute in "Bracing Wood Trusses, HB-97", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:

1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. For typical bridging or lateral bracing recommended where shown + +
4. Installation of trusses is the responsibility of the respective contractor, and are for "dry conditions" of use.
5. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
6. Design assumes adequate diaphragm provided.
7. Plates shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
8. Plate indicate size of plate in inches.
9. Plates shall be installed in accordance with the manufacturer's specifications.
10. For basic design values of the Computrus Plate, indicated by the prefix "C", see I.C.B.O. RR 4241.
11. The Computrus Nail Sheathing Plate is indicated by the prefix "CN", the designator (18) indicates 18 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURED DESIGNED COMPUTER SYSTEMS

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE
	TOP CHORD:	
2x 4	DF	#2
	BOTTOM CHORD:	
2x 4	DF	#2

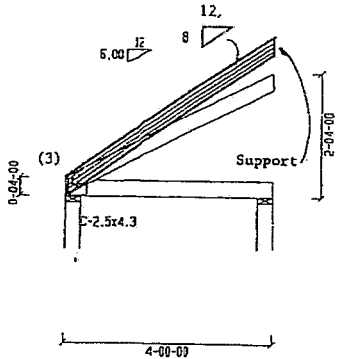
TC LATERAL SUPPORT <= 12"OC. MIN.
BC LATERAL SUPPORT <= 12"OC. MIN.

TRUSS SPAN 4'- .00"
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*
*5 PSF REDUCTION TAKEN ON BOTTOM CHORD, AXIAL STRESS ONLY.

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8:12 PITCH SCAB A 2x4 DF #2 ADD-ON TO ONE FACE WITH CLUSTERS OF 16d NAILS IN AMOUNTS SHOWN IN ( ).

City of Portland
APPROVED
APR 0 2 2002
Permit Number



SCOTT R. CARROLL
STATE OF WASHINGTON
17978
REGISTERED
PROFESSIONAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
9961
OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL

EXPIRES 6/10/03

EXPIRES 12/31/03

Scale: 1/2"
JOB NAME: DEMALI CONST #214-02 428R.1 (DR) 6/12

This design prepared from computer input by ARIEL TRUSS INC

DATE: 3/25/2002
DES. BY:
SEQ.: 706149
R-709630 R 3/27/02 MJ

WARNING:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. X3 compression web bracing must be installed where shown.
4. All lateral truss bracing elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure.
5. Contractor assumes no responsibility for crane loading.
6. Truss should be applied to any component with other bracing and fastened by complete, and at no time should one truss greater than design loads be applied to any component.
7. Contractor is responsible for the handling, shipment and installation of components.
8. This design is furnished subject to the limitations on truss designs set forth by the Truss Plate Institute in "Design Wood Trusses, HB-97", a copy of which will be furnished by Contractor upon request.

General Notes, unless otherwise noted:
1. Design is support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 12'-0" o.c. and at 12'-0" o.c. respectively.
3. Add impact bracing 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" at site.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Notes shall be placed on both faces of truss, and placed so their centers lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic design values of the Computrus plate, indicated by the prefix "C", see I.C.B.O. R.R. 4211.
11. The Computrus Net Section Plate is indicated by the prefix "CN", the Computrus (19) indicates 19 ga. material is used. All others are 20 ga.

Design conforms to UBC-97 AnVer: 1.07 (tl;-H

Computrus Inc.
TRANSLATION - INTEGRATED COMPUTER SYSTEMS

LUMBER SPECIFICATIONS

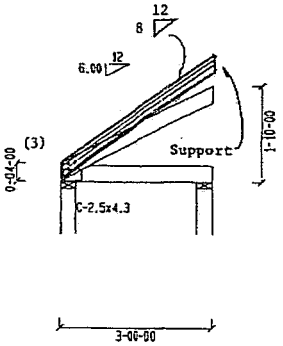
SIZE	SPECIE	GRADE
	TOP CHORDS:	
2x 4	DF	#2
	BOTTOM CHORDS:	
2x 4	DF	#2

TC LATERAL SUPPORT <= 12"OC, UON.
BC LATERAL SUPPORT <= 12"OC, UON.

TRUSS SPAN 3'- .00"
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*
*5 PSF REDUCTION TAKEN ON BOTTOM CHORD, AXIAL STRESS ONLY.

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8-12 PITCH. SCAB A 2x4 OF #2 ADD-ON TO ONE FACE WITH CLUSTERS OF 16d NAILS IN AMOUNTS SHOWN IN ( ).



City of Portland
APPROVED
APR 0 2 2002
Permit Number

SCOTT R. CARROLL
STATE OF WASHINGTON
17778
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 6/10/03

REGISTERED PROFESSIONAL ENGINEER
4961
OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL
EXPIRES 12/31/03

Scale: 1/2"
JOB NAME: DEWALT CONST #214-02 #24B L(08) 6/12

This design prepared from computer input by ARIEL TRUSS INC

Revolved: MAR. 28. 2002 8:51AM COMPUTRUS 909-343 3180 ; ARIEL TRUSS ; #722; Page 4 3/28/2002 11:10AM NO. 4401 P. 4

DATE: 3/25/2002
DES. BY: R
SEQ.# 706148
R-709631 R 3/27/02 MJ

WARNING:
1. Read all General Notes and Warnings before construction of trusses.
2. Bracing and erection instructions should be advised of all General Notes and Warnings before construction commences.
3. All component web bracing must be installed where shown.
4. All temporary and permanent bracing must be designed and provided by designer of an installed structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until after all bracing and fastenings are complete, and at no time should any loads greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the limitations on truss designs set forth by the Truss Plate Institute in "Bracing Wood Trusses, BWT-87", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design is suitable for use in dry service.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 bracket bridging or lateral bracing required where shown.
4. Installation of trusses 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 that centers from opposite sides coincide with joint center lines.
9. Dashes indicate size of plate in inches.
10. For loads design values of the Computrus Plate, indicated by the prefix "CN", the designation (18) indicates 18 ga. material is used. All others are 20 ga.

Design conforms to UBC-97 InVer: 1.07(1L)-M

Computrus Inc.
MANUFACTURING - DESIGNING - CUSTOMIZING STYLE

Design conforms to UBC-97, Section 2211, Zone I.C.B.O. R.R. 4211.
11. The Computrus Nail Section Plate is indicated by the prefix "CN", the designation (18) indicates 18 ga. material is used. All others are 20 ga.

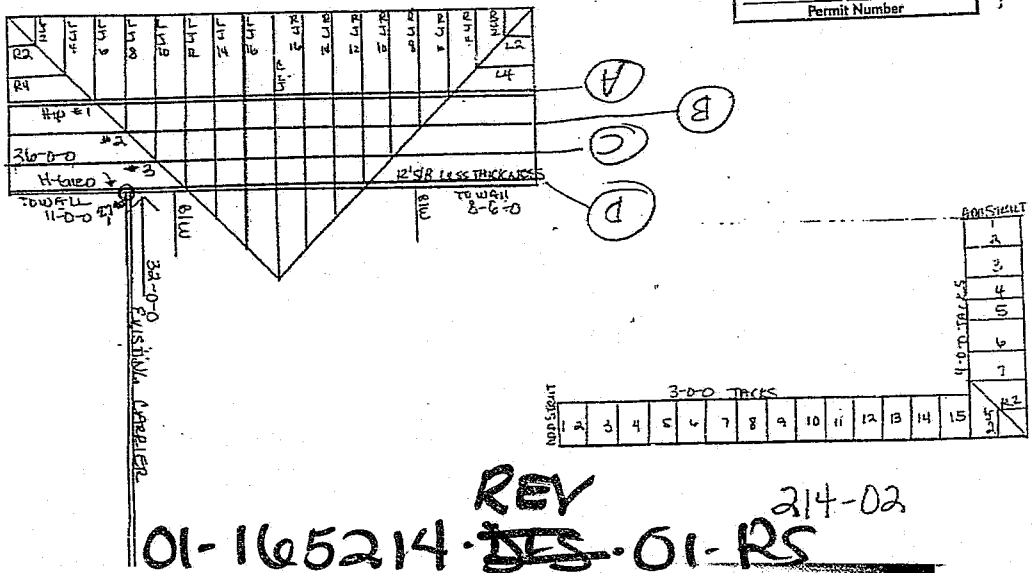
FAX TO 503 2911220

DENALI CONST.
6/12 1-4-0 O.H.
42* COMP 24" O.C

7459 N. 49th COURT
PORTLAND, OR

-3852
84 WED
D 2/20/02

City of Portland
APPROVED
APR 0 2 2002
Permit Number



REV 214-02

01-165214-~~DES~~-01-RS

2

City of Portland
APPROVED
APR 0 2 2002
PERMIT NUMBER

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
	TOP CHORDS:		
2x 4	DF	#2	1- 8
	BOTTOM CHORDS:		
2x 4	DF	#2	1- 7
	WEBS:		
2x 4	DF	STAND	1-12

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

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL TOP CHORD AREAS NOT SHEATHED.

36- 0- 0 HIP SETBACK 6- 0- 0 FROM END WALL
LOAD DURATION INCREASE = 1.15

LOADING

TC UNIF LL(50.0)+DL(14.0)=	64.0 PLF	0'	.0" TO 6'	.0"
TC UNIF LL(100.0)+DL(28.0)=	128.0 PLF	6'	.0" TO 30'	.0"
TC UNIF LL(50.0)+DL(14.0)=	64.0 PLF	30'	.0" TO 36'	.0"
BC UNIF LL(.0)+DL(20.0)=	20.0 PLF	0'	.0" TO 36'	.0"

TC CONC LL(250.0)+DL(70.0)= 320.0 LBS @ 5' .0"
TC CONC LL(250.0)+DL(70.0)= 320.0 LBS @ 30' .0"

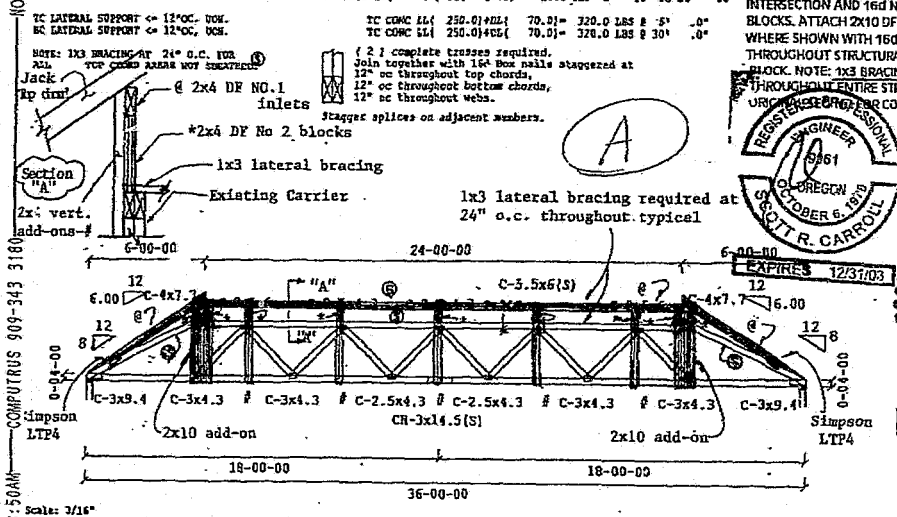
(2) complete trusses required.
Join together with 16d Box nails staggered at
12" oc throughout top chords,
12" oc throughout bottom chords,
12" oc throughout webs.

Stagger splices on adjacent members.

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8:12 PITCH. INLET A 2X4 OF #2 HORIZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT HEEL ENDS. INLET 2X4 BLOCKS UNDER NEW TOP CHORD TO STRUCTURAL FLAT TOP CHORDS WHERE SHOWN *. ATTACH 2X4 DF NO.2 VERTICAL POSTS TO FACE SIDE WITH 3-16d NAILS AT EACH INTERSECTION AND 16d NAILS STAGGERED AT 2"OC INTO BLOCKS. ATTACH 2X10 DF #2 VERTICAL ADD-ONS TO FACE SIDE WHERE SHOWN WITH 16d NAILS STAGGERED AT 4"OC THROUGHOUT STRUCTURAL VERTICAL MEMBER AND 2"OC INTO BLOCK. NOTE: 1X3 BRACING IS REQUIRED AT 24"OC - THROUGHOUT ENTIRE STRUCTURAL TOP CHORDS. REFER TO ORIGINAL DRAWING FOR COMPLETE DETAILS.

REGISTERED PROFESSIONAL ENGINEER 19861 OREGON OCTOBER 6, 1989 SCOTT R. CARROLL
EXPIRES 12/31/03

SCOTT R. CARROLL STATE OF WASHINGTON 17776 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 6/10/03



Scale: 3/16"
JOB NAME: DENALI 6214-02 SB (OREGON)

This design prepared from computer input by ARIEL TRUSS CO.

FILE NO.: 36HIPS
DATE: 3/21/2002
DES. BY: R
SEQ.: 203826
R-709629 R 3/27/02 MJ

WARNING:
1. Read All General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction continues.
3. All components that bracing must be installed where shown.
4. All temporary bracing of trusses shall be temporary and permanent bracing must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until all bracing and connectors are complete, and at no time should any load greater than design loads be applied to any component.
6. Computrus has no control over and therefore no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the limitations as from designs set forth by the Truss Plate Institute in "Handling Wood Trusses, PSB-97", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes top and bottom chords to be laterally braced at 24" o.c. and at 12" o.c. respectively.
3. Full truss bracing or lateral bracing recommended 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 not "any condition" of use.
6. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate diaphragm is provided.
8. Holes shall be located on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Holes in the web are of plate in layout.
10. For bearing plate capacity, see the Computrus Plate, indicated by the prefix "PL" LEVEL OR 211.
11. The Computrus Plate Layout Plate is indicated by the prefix "CPL". The designation (16) indicates 16 ga. material is used. All others are 20 ga.

Design conforms to UBC-97 RnVer: 3.08(1x)

Computrus Inc.
MANUFACTURING, ENGINEERING, COMPUTER SYSTEMS

City of Portland
APPROVED
APR 0 2 2002
Permit Number

LUMBER SPECIFICATIONS

SIZE	SPECIE GRADE	PANEL(S)
	TOP CHORDS:	
2x 4	DF #2	1- 8
	BOTTOM CHORDS:	
2x 4	DF #2	1- 7
	WEBS:	
2x 4	DF STAND	1-12

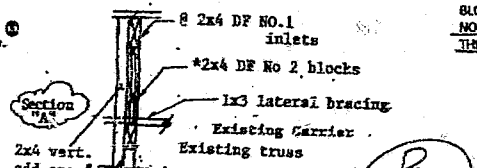
2C LATERAL SUPPORT <= 12"OC, VON.
BC LATERAL SUPPORT <= 12"OC, VON.

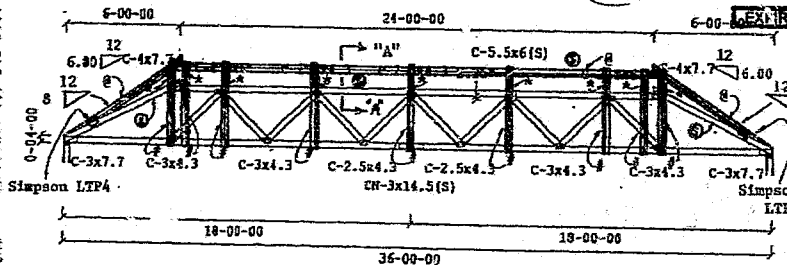
NOTE: 1X3 BRACING AT 24" O.C. FOR ALL TOP CHORD WEBS NOT SHEATHED.

TRUSS SPAN 24'- .00"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

LOADING
SX(25.0)+DL(7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF*
TOTAL LOAD = 42.0 PSF*
*5 PSF REDUCTION TAKEN ON BOTTOM CHORD, AXIAL STRESS ONLY.

FIELD REPAIR FOR TRUSS TO SLOPE AT HEEL END: INLET 2x4 DF #1 HORIZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT HEEL ENDS. INLET 2x4 BLOCKS UNDER NEW TOP CHORD TO EXISTING STRUCTURAL TOP CHORDS WHERE SHOWN *. ATTACH 2x4 DF NO.2 VERTICAL POSTS TO ONE FACE WITH 3-16d NAILS AT EACH INTERSECTION AND 16d NAILS STAGGERED AT 2"OC INTO BLOCKS. REFER TO ORIGINAL SEO NO FOR COMPLETE DETAILS.
NOTE: 1x3 BRACING MUST BE INSTALLED AT 24"OC THROUGHOUT WHERE SHOWN $





Scale: 3/16"
OB NAME: DEMALT B216-02 SH -(OREGON)

REGISTERED PROFESSIONAL ENGINEER 15961 OREGON OCTOBER 6, 1978 SCOTT R. CARROLL
EXPIRES 12/31/03

SCOTT R. CARROLL STATE OF WASHINGTON 47778 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 8/10/03

This design prepared from computer input by ARIEL TRUSS CO.

FILE NO.: 36NFB
DATE: 3/21/2002
DES. BY: P
SEQ.: 703027
R-70963: R 3/28/02 MJ

Design conforms to UBC-97 AnVer: 1.08(1L)-

Computrus Inc.

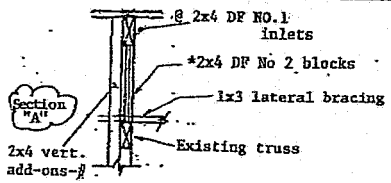
City of Portland
APPROVED
APR 0 2 2002

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
	TOP CHORDS:		
2x 4	DF	#2	1- 8
	BOTTOM CHORDS:		
2x 4	DF	#2	1- 7
	WEBS:		
2x 4	DF	STAND	1-12

TC LATERAL SUPPORT <= 12"OC, UCH.
BC LATERAL SUPPORT <= 12"OC, UCH.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL NON CHORD AREAS NOT SHEATHED. (5)



FIELD REPAIR FOR TRUSS TO SLOPE AT HEEL. INLET A 2x4 DF #1 HORIZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT HEEL ENDS. INLET 2x4 BLOCKS UNDER NEW TOP CHORD TO EXISTING OVERFRAMING TOP CHORDS WHERE SHOWN * ATTACH 2x4 DF NO.2 VERTICAL POSTS TO ONE FACE WITH 3-16d NAILS AT EACH INTERSECTION AND 16d NAILS STAGGERED AT 2"OC INTO BLOCKS. REFER TO ORIGINAL SEO NO FOR COMPLETE DETAILS.

NOTE: 1X3 BRACING MUST BE INSTALLED AT 24"OC THROUGHOUT WHERE SHOWN (5)

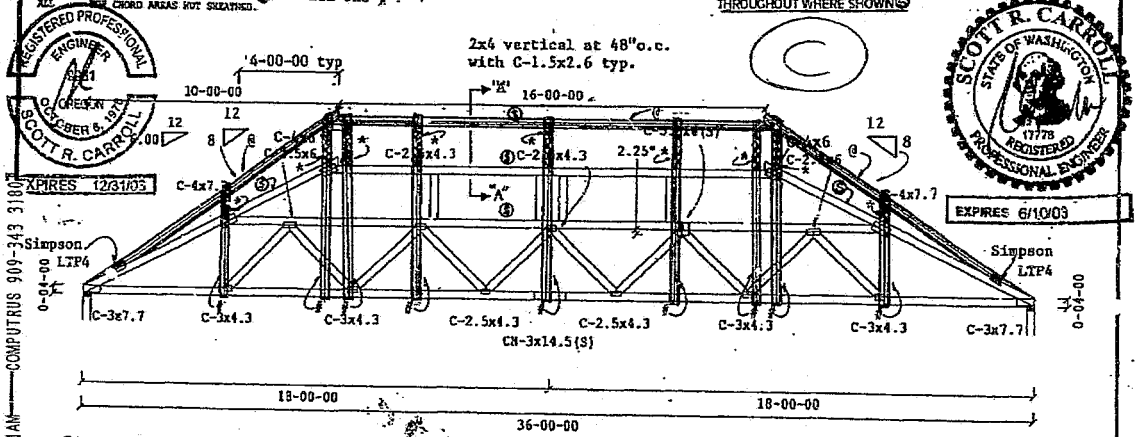
REGISTERED PROFESSIONAL ENGINEER 9861 OREGON OCTOBER 6, 1978 SCOTT R. CARROLL

XPIRES 12/31/03

SCOTT R. CARROLL STATE OF WASHINGTON 17778 REGISTERED PROFESSIONAL ENGINEER

EXPIRES 6/10/03

2x4 vertical at 48"o.c. with C-1.5x2.6 typ.



Scale: 1/4"
JOB NAME: DERALI #214-02 SB (OREGON)

This design prepared from computer input by ARIEL TRUSS CO.

Design conforms to UBC-97 AnVer: 1.08(1L)-H

FILE NO.: 36HIPIO

DATE: 3/21/2002

DES. BY: R

SEQ.: 703825

R-709532 R 3/28/02 MJ

WARNINGS:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before constructed commences.
3. 1x3 compression web bracing must be installed where shown.
4. All lateral force resisting elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure.
5. Computrus assumes no responsibility for such bracing.
6. 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.
7. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
8. This design is furnished subject to the Ball, Sum etc truss designs set forth by the Truss Plate Institute for Metal Wood Trusses, HS-87, a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Support assumed, top jck and bottom chords to be laterally braced at 24" o.c. and BC/JC of B.C. respectively.
3. 2x4 impact bracing or lateral bracing recommended where shown.
4. Ends bottom of truss to be supported fully at the respective contractor.
5. Design assumes trusses will not be used in a non-corrosive or, formed, gas or for "dry rot" of use.
6. Design assumes flat bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plates shall be placed on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Dots indicate size of plate in inches.
10. For more detail notes of the Computrus Plate, indicated by the prefix "C", see U.B.C. R.A. 4211.
11. The Connector Plate Manufacturer Plate is indicated by the prefix "CN", the designation (18) indicates 18 ga material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURER, ENGINEERING, DESIGNER SYSTEMS

Sent by: ARIEL TRUSS 5035747332; 03/28/2002 11:51AM; #726; Page 4/6
Received: 3/28/2002 11:11AM; ARIEL TRUSS ; #722; Page 8
MAR 28 2002 8:51AM COMPUTRUS 909-343 3160 NO. 440

City of Portland
APPROVED
APR 0 2 2002
Permit Number

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	EAWL(S)
	TOP CHORDS:		
2x 4	DF	#2	1-10
	BOTTOM CHORDS:		
2x 7.5400	DF	SS	1-10
	WEBS:		
2x 4	DF	#2	7,11
2x 4	DF	STAND	1- 6, 8-10,12-17

TC LATERAL SUPPORT <= 12"OC, UON.
BC LATERAL SUPPORT <= 12"OC, UON.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL TOP CHORD AREAS NOT SHEATHED.
Caution: Note bearing area requirements.

S.C. lumber must be 7.5400" minimum depth.

36- 0- 0 GIRDER TRUSS SUPPORTING 32- 0- 0
FROM 8- 0- 0 TO 28- 0- 0
LOAD DURATION INCREASE = 1.15 +

LOADING

TC UNIF LL[	50.0]+DL[	14.0]=	64.0 PLF	0'	.0" TO 36'	.0"
BC UNIF LL[	.0]+DL[	10.0]=	10.0 PLF	0'	.0" TO 36'	.0"
BC UNIF LL[	375.0]+DL[	180.0]=	555.0 PLF	8'	.0" TO 28'	.0"

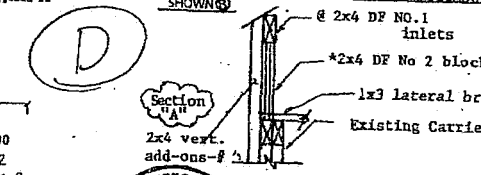
BC CONC LL+DL= 2790.0 LBS @ 8' .0"
BC CONC LL+DL= 2790.0 LBS @ 28' .0"

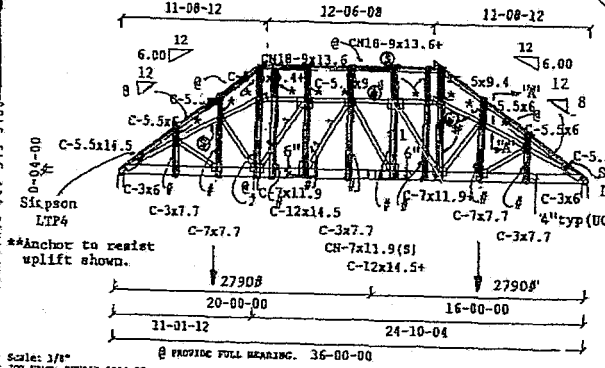
Loads as given.

[2] complete trusses required.
Join together with 16d box nails staggered at
12" oc throughout top chords,
4" oc throughout bottom chords,
12" oc throughout webs.

Stagger splices on adjacent members.

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8:12 PITCH. INLET A 2x4 DF #1 HORIZONTAL AND SLOPING TOP CHORDS WITH SIMPSON LTP4 FRAMING ANCHORS AT HEEL ENDS. INLET 2X4 BLOCKS UNDER NEW TOP CHORD TO EXISTING STRUCTURAL TOP CHORDS WHERE SHOWN * ATTACH 2X3 DF NO.2 VERTICAL POSTS TO ONE FACE WITH 3-16d NAILS AT EACH INTERSECTION AND 12"OC THROUGHOUT TRUSS VERTICALS AND 16d NAILS STAGGERED AT 2'OC INTO BLOCKS. REFER TO ORIGINAL SEO NO FOR COMPLETE DETAILS. NOTE: 1x3 BRACING MUST BE INSTALLED AT 24"OC THROUGHOUT WHERE SHOWN③





REGISTERED PROFESSIONAL ENGINEER 9181 OREGON OCTOBER 6, 1978 SCOTT R. CARROLL

EXPIRES 12/31/03

BLOCK REQUIRED AT HEEL(S).

SCOTT R. CARROLL STATE OF WASHINGTON 17778 REGISTERED PROFESSIONAL ENGINEER

EXPIRES 6/10/03

Scale: 3/8"
JOB NAME: DENALI 9214-02 BB (OREGON)

This design prepared from computer input by ARIEL TRUSS CO.

Design conforms to UBC-97 AnVer: 1.08(1L)-

FILE NO.: 36HPGRD
DATE: 3/25/2002
DES. BY:
SEQ.: 706185

R-709633 R 3/28/02 HJ

WARNING:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. All compression web bracing must be installed where shown +.
4. All lateral force resisting elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until after all bracing and fastenings are complete, and at no time should any truss greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, erection and installation of components.
7. This design is furnished if subject to the limitations on truss designs set forth by the Truss Plate Institute in Bracing Wood Trusses, HIB-91, a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 10'-0" o.c. and at 10'-0" o.c. respectively.
3. See "Project Specific or Lateral Bracing" recommended where shown + + installation of bracing is the responsibility of the respective contractor.
4. Design assumes that trusses are to be used in a non-corrosive environment, and are for "dry condition" use.
5. Design assumes full bearing at all supports shown. Shim or wedge if necessary.
6. Design assumes adequate drainage is provided.
7. Plates shall be located on both faces of truss, and placed on their center lines, unless with hard center lines.
8. Plate indicia will be of pure orange.
9. For specific design values of the Computrus Plate, indicated by the prefix "C", see ESR-1311, NER-1311.
10. The Computrus Hot Section Plate is indicated by the prefix "CH", the designation (18) indicates 18 ga. material is used. All others are 20 ga.
11. The Computrus Hot Section Plate is indicated by the prefix "CH", the designation (18) indicates 18 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURING ENGINEERING COMPUTER SYSTEMS

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE
	TOP CHORDS:	
2x 4	DF	#2
	BOTTOM CHORDS:	
2x 4	DF	#2

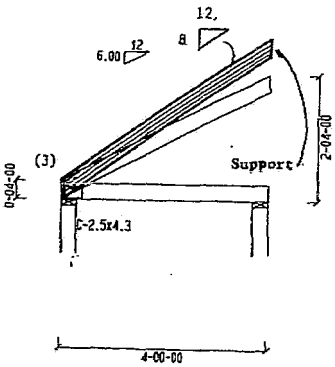
TC LATERAL SUPPORT <= 12"OC, UON.
BC LATERAL SUPPORT <= 12"OC, UON.

TRUSS SPAN 4'- .00'
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
#5 PSF REDUCTION TAKEN ON
BOTTOM CHORD, AXIAL STRESS ONLY.

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8:12 PITCH. SCAB A 2X4 OF #2 ADD-ON TO ONE FACE WITH CLUSTERS OF 16d NAILS IN AMOUNTS SHOWN IN ( ).

City of Portland
APPROVED
APR 0 2 2002
Permit Number



SCOTT R. CARROLL
STATE OF WASHINGTON
17776
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 6/10/03

REGISTERED PROFESSIONAL ENGINEER
1961
STATE OF OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL
EXPIRES 12/31/03

Scale: 1/2"
JOB NAME: DEMALI CONST 4214-02 42GR.LOU 6/12

This design prepared from computer input by ARIEL TRUSS INC.

WARNING:
1. Read all General Notes and all design before construction of truss.
2. Roller and anchor construction should be anchored at all General Notes and attached before construction commences.
3. Tie components, web bracing must be installed where shown +.
4. All bracing temporary diagonal, such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until all of all bracing and fasteners are complete, and at no time should any load greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the installation, handling, erection and bracing of components.
7. We design to Installed subject to the limitations or tolerances set forth in the Truss Plate Institute in "Bracing Wood Trusses, HIB-91", a copy of which can be obtained by Computrus upon request.

General Notes, unless otherwise noted:
1. Design is support side as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 Truss bracing 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. Plate steel to be used on both faces of truss, and placed on their center lines unless such joint center lines.
9. Dim indicate size of plate in inches.
10. For basic design values of the Computrus Plate, indicated by the prefix "CN", see I.C.B.O. N.R. 4217.
11. The Computrus Nail Gusset Plate is indicated by the prefix "CN", the designation (16) indicates 16 g.a. material is used. *Sizes are 20 ga.

DATE: 3/25/2002
DES. BY:
SEQ.: 706149
R-709630 R 3/27/02 MJ

Design conforms to UBC-97 ANVer: 1.07 (IL)-M

Computrus Inc.
MANUFACTURING . PROFESSIONAL . COMPUTER SYSTEMS

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE
	TOP CHORDS:	
2x 4	DF	#2
	BOTTOM CHORDS:	
2x 4	DF	#2

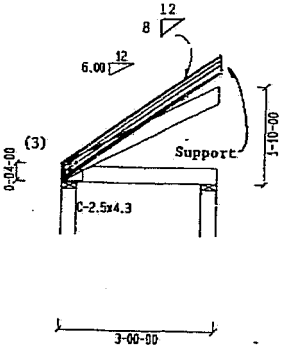
TC LATERAL SUPPORT <= 12"OC, UON.
BC LATERAL SUPPORT <= 12"OC, UON.

TRUSS SPAN 3'- .00'
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*
*5 PSF REDUCTION TAKEN ON BOTTOM CHORD, AXIAL STRESS ONLY.

FIELD REPAIR FOR TRUSS TO SLOPE AT A 8:12 PITCH. SCAB A 2X4 OF #2 ADD-ON TO ONE FACE WITH CLUSTERS OF 16d NAILS IN AMOUNTS SHOWN IN ( ).

City of Portland
APPROVED
APR 0 2 2002
Permit Number



SCOTT R. CARROLL
STATE OF WASHINGTON
17778
REGISTERED
PROFESSIONAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
8961
STATE OF OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL

EXPIRES 12/31/03

EXPIRES 6/10/03

Scale: 1/2"
JOB NAME: DENALI CONST #214-02 4249.1 1001 6/12

This design prepared from computer input by ARIEL TRUSS INC.

DATE: 3/25/2002
DES. BY: RV
SEQ.: 706148
R-709631 R 3/27/02 MJ

Design conforms to UBC-97 AnYer: 1.07(1L)-K

Computrus Inc.
MANUFACTURING . ENGINEERING . EQUIPMENT SYSTEMS

Notations:
1. Read all General Notes and Warnings before commencing of Erection.
2. Before and another construction should be advised of all General Notes and Warnings before construction commences.
3. 1x3 continuous web bracing must be located where shown.
4. All lateral bracing including diagonal such as temporary and permanent bracing, must be designed and provided by designer of completed structure.
Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until other all bracing and fasteners are completed, and no load should any loads greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipping and installation of components.
7. This design is furnished subject to the limitations on truss designs set forth by the Truss Plate Institute in "Bracing 'Wood Trusses, HB-97", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 24" o.c. and at 12'-0" o.c. respectively.
3. Only 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 installation" of uses.
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 that center lines coincide with joint center lines.
9. Digit indicate size of plate in inches.
10. For basic design values of the Computrus Plate, indicated by the prefix "CN", see I.C.B.O. R.R. 4213.
11. The Connector Plate Series Plate is indicated by the prefix "CN", the designator (18) indicates 18 ga. material is used. All others are 20 ga.

CITY OF

PORTLAND, OREGON

OFFICE OF PLANNING AND DEVELOPMENT REVIEW
1900 SW 4th Ave, Suite 5000
Portland, OR 97201

MULTNOMAH COUNTY

RESIDENTIAL 1 & 2 FAMILY PERMIT **01-165214-DFS-01-RS**

Site Address: 7459 SW 49TH CT **Issued:** 4/2/02
7459 SW 49TH

PROJECT INFORMATION		Occ. Group	Const. Type
Single Family Dwelling	Addition	R3	V-N

Project Description: DFS - Floor Trusses (TWO STORY ADDITION TO REAR OF SFR)

APPLICANT	GUY ALTMAN, ARCHITECT *GUY ALTMAN*	Phone	(503) 246-5767
OWNER	ED GAMBEE & KAREN GAMBEE	Phone	
CONTRACTOR	To Bid	Phone	

Project Details

Code Edition (Year)	2000
SI-Anchors - Adhesive	Yes
Water District	Portland Water Burea

Project Details

Number of Stories	3
SI-Soils	Yes
Zoning Enforcement Agency	Portland

PAID
APR 02 2002
CITY OF PORTLAND

BEFORE YOU DIG ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-800-332-2344).

CITY CONTACT Phone:
E-Mail: Fax: (503) 823-4172

INSPECTION REQUEST PHONES NUMBERS Building/Trade Inspections - Call Before 6:00 AM: (503) 823-7000

TDD: (503) 823-6868

IVR Inspection Request Number: 2128754

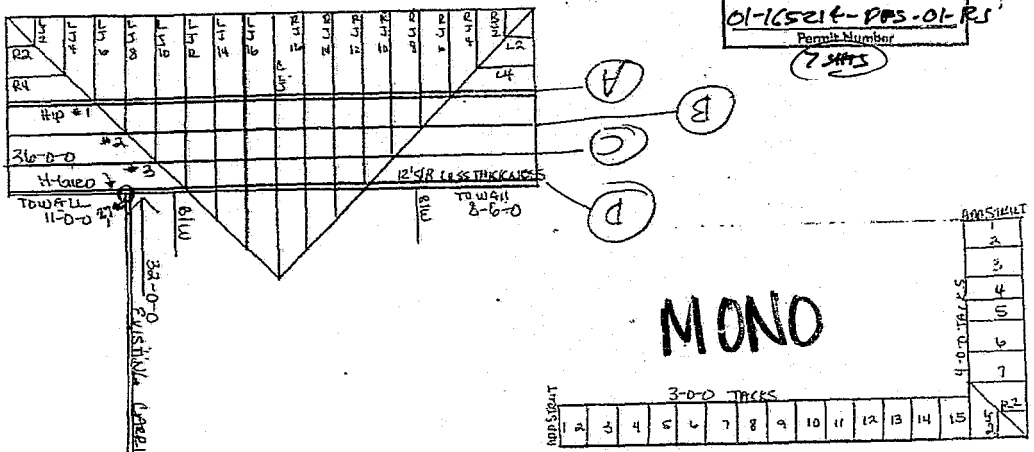
FAX TO 503 2911220

DENALI CONST.
6/12 1-4-0 O.H.
42* COMP 24" O.C

7459 S.W. 49th COURT
PORTLAND, OR

-3852
84 WED
2/20/02

City of Portland
APPROVED
APR 01 2002
01-165214-DFS-01-RS
Permit Number
7 SHTS



01-165214-DFS-01-RS-02

Received: 5/22/2002 3:40PM: ARIEL TRUSS 1 #661; Page 4
MAR. 22. 2002 1:26PM COMPUTRUS 909-343 3180 NO. 4149 P. 4

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
	TOP CHORDS:		
2x 4	DF	#2	1- 6
	BOTTOM CHORDS:		
2x 4	DF	#2	1- 7
	WEBS:		
2x 4	DF	STAND	1-12

TC LATERAL SUPPORT <= 12"OC, DOK.
BC LATERAL SUPPORT <= 12"OC, DOK.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL FLAT TOP CHORD AREAS NOT SHEATHED.

36- 0- 0 HIP SETBACK 6- 0- 0 FROM END WALL
LOAD DURATION INCREASE = 1.15 *

LOADING

TC UNIF LL(	50.0)+DL(	14.0)=	64.0 PLF	0'	.0" TO 6'	.0" VERT
TC UNIF LL(	100.0)+DL(	28.0)=	128.0 PLF	6'	.0" TO 30'	.0" VERT
TC UNIF LL(	50.0)+DL(	14.0)=	64.0 PLF	30'	.0" TO 36'	.0" VERT
BC UNIF LL(	.0)+DL(	20.0)=	20.0 PLF	0'	.0" TO 36'	.0" VERT

TC CONC LL(	250.0)+DL(	70.0)=	320.0 LBS	@ 6'	.0"
TC CONC LL(	250.0)+DL(	70.0)=	320.0 LBS	@ 30'	.0"

(2) complete trusses required.
Join together with 16d Box nails staggered at
12" oc throughout top chords,
12" oc throughout bottom chords,
12" oc throughout webs.

Stagger splices on adjacent members.

ANSI/TPI 2 MEMBER FORCES 4WSGD

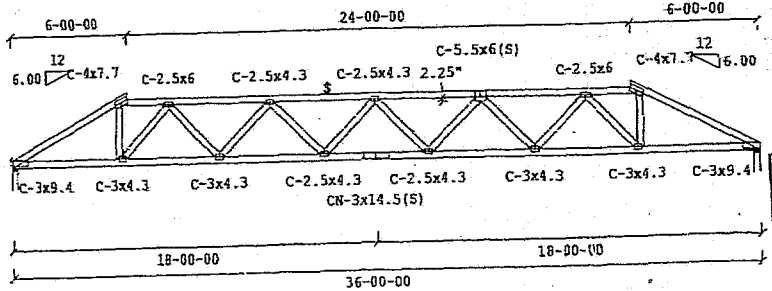
T 1=	-5250	B 1=	4694	W 1=	1700	W 7=	-424		
T 2=	-4694	B 2=	6138	W 2=	-2150	W 8=	556		
T 3=	-7170	B 3=	8116	W 3=	1540	W 9=	-1406		
T 4=	-8490	B 4=	8774	W 4=	-1406	W10=	1540		
T 5=	-8490	B 5=	8116	W 5=	556	W11=	-2150		
T 6=	-7172	B 6=	6138	W 6=	-424	W12=	1700		
T 7=	-4694	B 7=	4694						
T 8=	-5250								

LEFT = 2600 RIGHT = 2600

BEARING AREA REQUIRED (SQ. IN)

JOINT 1	4.16 DF /	6.42 NF /	6.12 SPF
JOINT 9	4.16 DF /	6.42 NF /	6.12 SPF

A



REGISTERED PROFESSIONAL ENGINEER 9661 OREGON OCTOBER 6, 1978 SCOTT R. CARROLL

EXPIRES: 12/31/03

City of Portland
APPROVED
APR 01 2002
Permit Number

This design prepared from computer input by ARIEL TRUSS CO.

Scale: 3/16"
JOB NAME: OCNALI #214-02 BB (OREGON)

Design conforms to UBC-97 AnVer: 1.08(1L)-

FILE NO.: 36HIP6

DATE: 3/21/2002

DES. BY: P

SEQ.: 703826

WARNINGS:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. Wall and partition web bracing must be installed where shown **.
4. All lateral force resisting elements such as hurricane and seismic bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until after all bracing and fastenings are complete, and at no time should any truss greater than diagonal loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the Definitions and Duties of Parties and both by the Truss Plate Institute in "Bracing Wood Trusses, HIB-91", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 braced bracing or lateral bracing recommended where shown **
4. Installation of trusses 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 bracing designations of the Computrus Plate, indicated by the prefix "C", see C.O.B.O. RUL 4211.
11. The Computrus Mini Section Plate is indicated by the prefix "CN", the designation (18) indicates 18 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURING . DESIGNING . COMPUTER DRAFTING

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
TOP CHORDS:			
2x 4	DF	#2	1- 8
BOTTOM CHORDS:			
2x 4	DF	#2	1- 7
WEBS:			
2x 4	DF	STAND	1-12

TC LATERAL SUPPORT <= 12"OC, BOW.
BC LATERAL SUPPORT <= 12"OC, BOW.

NOTE: 1X3 BRACING AT 24" O.C. FOR : $
ALL FLAT TOP CHORD AREAS NOT SHEATHED.

TRUSS SPAN 36'- .00"
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*
*5 PSF REDUCTION TAKEN ON
BOTTOM CHORD, AXIAL STRESS ONLY.

ANSI/TPI SINGLE MEMBER FORCES AWRGD

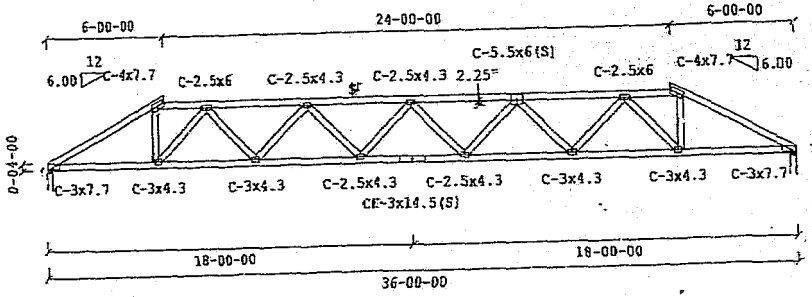
T 1=	-2482	B 1=	2219	W 1=	850	W 7=	-212		
T 2=	-2219	B 2=	2941	W 2=	-1075	W 8=	279		
T 3=	-3450	B 3=	3930	W 3=	770	W 9=	-703		
T 4=	-4117	B 4=	4260	W 4=	-703	W10=	770		
T 5=	-4117	B 5=	3930	W 5=	279	W11=	-1075		
T 6=	-3456	B 6=	2941	W 6=	-212	W12=	850		
T 7=	-2219	B 7=	2219						
T 8=	-2482								

LEFT = 1332 RIGHT = 1332

BEARING AREA REQUIRED (SQ. IN)

JOINT 1	2.13 DF /	3.29 HF /	3.13 SPF	
JOINT 9	2.13 DF /	3.29 HF /	3.13 SPF	

B



Scale: 3/16"
JOB NAME: DENALI 8214-02 BB (OREGON)

This design prepared from computer input by ARIEL TRUSS CO.

Design conforms to UBC-97 Amendment 1.08(11)-

REGISTERED PROFESSIONAL ENGINEER
9961
OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL
EXPIRES 12/31/03

City of Portland
APPROVED
APR 01 2002

FILE NO.: 36RP8
DATE: 3/21/2002
DES. BY: R
SEQ.: 703827

WARNINGS:
1. Read all General Notes and Warnings before construction or erection.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. All components with bracing must be installed where shown *.
4. All lateral forces including wind and such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until after all bracing and fastener are complete, and at no time should any load greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the limitations on truss designs set forth by the Truss Plate Institute in "Bracing Wood Trusses, HIB-91", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 Lateral bracing or lateral bracing recommended where shown * *
4. Installation of trusses 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 that center lines coincide with joint center lines.
9. Digits indicate size of plate in inches.
10. For basic design values of the Computrus Plate, indicated by the prefix "C", see I.C.B.O. R.R. 4211
11. The Computrus Alt Section Plate is indicated by the prefix "CH", the designation (18) indicates 18 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURING ENGINEERING COMPUTER SYSTEMS

MAR. 27. 2002 1:26PM COMPUTRUS 909-343 3180 Received: 3/22/2002 2:10PM; ARIEL TRUSS ; #8811; Page 3 NO. 4149

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
TOP CHORDS:			
2x 4	DF	#2	1- 8
BOTTOM CHORDS:			
2x 4	DF	#2	1- 7
WEBS:			
2x 4	DF	STAND	1-12

TC LATERAL SUPPORT <= 12"OC, DOK.
BC LATERAL SUPPORT <= 12"OC, DOK.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL FLAT TOP CHORD AREAS NOT SHEATHED.

TRUSS SPAN 36'- .00"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

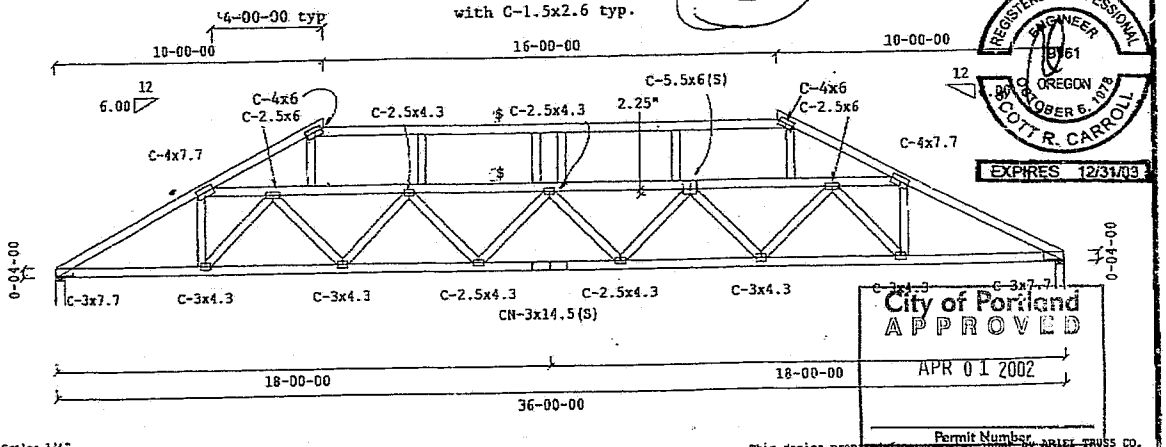
LOADING
LL(25.0)+DL(7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF*
TOTAL LOAD = 42.0 PSF*
*5 PSF REDUCTION TAKEN ON BOTTOM CHORD, AXIAL STRESS ONLY.

ANSI/TPI		SINGLE	MEMBER	FORCES		
T 1=	-2482	B 1=	2219	W 1=	850	W 7= -212
T 2=	-2219	B 2=	2941	W 2=	-1075	W 8= 279
T 3=	-3458	B 3=	3930	W 3=	770	W 9= -703
T 4=	-4117	B 4=	4260	W 4=	-703	W10= 770
T 5=	-4117	B 5=	3930	W 5=	279	W11= -1075
T 6=	-3458	B 6=	2941	W 6=	-212	W12= 850
T 7=	-2219	B 7=	2219			
T 8=	-2482					

LEFT = 1332 RIGHT = 1332

BEARING AREA REQUIRED (SQ. IN)
JOINT 1 2.13 DF / 3.29 HF / 3.13 SPF
JOINT 9 2.13 DF / 3.29 HF / 3.13 SPF

2x4 vertical at 48"o.c.
with C-1.5x2.6 typ.



REGISTERED PROFESSIONAL ENGINEER
9161
OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL
EXPIRES 12/31/03

City of Portland
APPROVED
APR 01 2002
Permit Number
This design prepared from computer input by ARIEL TRUSS CO.

Scale: 1/4"
JOB NAME: DENALI #214-02 BB (OREGON)

Design conforms to UBC-97 AnVer: 1.08(11)-M

FILE NO.: 36HIP10
DATE: 3/21/2002
DES. BY: R
SEQ.: 703825

WARNINGS:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. 1x3 compression web bracing must be installed where shown +.
4. All lateral force resisting elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until all bracing and sheathing are complete, and at no time should any load greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the limitations on truss designs set forth by the Truss Plate Institute in "Bracing Wood Trusses, PIB-91", a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 impact bridging or lateral bracing recommended 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 design values of the Computrus Plate, indicated by the prefix "C", see I.C.B.O. RR 4211.
12. The Computrus Hot Section Plate is indicated by the prefix "CN", the designator (18) indicates 18 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURING, ENGINEERING, COMPUTER SYSTEMS

LUMBER SPECIFICATIONS

SIZE	SPECIE	GRADE	PANEL(S)
		TOP CHORDS:	
2x 4	DF	#2	1-10
		BOTTOM CHORDS:	
2x 7.548	DF	SS	1-10
		WEBS:	
2x 4	DF	#2	1-11
2x 4	DF	STAND	1- 6, 8-10, 12-17

TC LATERAL SUPPORT <= 12"OC, UON.
BC LATERAL SUPPORT <= 12"OC, UON.

Loads as given.

NOTE: 1X3 BRACING AT 24" O.C. FOR ALL FLAT TOP CHORD AREAS NOT SHEATHED.
Caution: Note bearing area requirements.

B.C. lumber must be 7.5400" minimum depth.

36- 0- 0 GIRDER TRUSS SUPPORTING 37- 0- 0
FROM 0- 0- 0 TO 28- 0- 0
LOAD DURATION INCREASE = 1.15 *

LOADING

TC UNIF LD(50.0)+DL(14.0)=	64.0 PLF	0'	.0" TO 36'	.0" VERT
BC UNIF LD(.0)+DL(10.0)=	10.0 PLF	0'	.0" TO 36'	.0" VERT
BC UNIF LD(375.0)+DL(160.0)=	535.0 PLF	8'	.0" TO 28'	.0" VERT

BC CONC LD+DL= 2790.0 LBS @ 8' .0"
BC CONC LD+DL= 2790.0 LBS @ 28' .0"

(2) complete trusses required.
Join together with 16d Box nails staggered at
12" oc throughout top chords,
4" oc throughout bottom chords,
12" oc throughout webs.

Stagger splices on adjacent members.

MSR/TPI 2 MEMBER FORCES 4PREGD

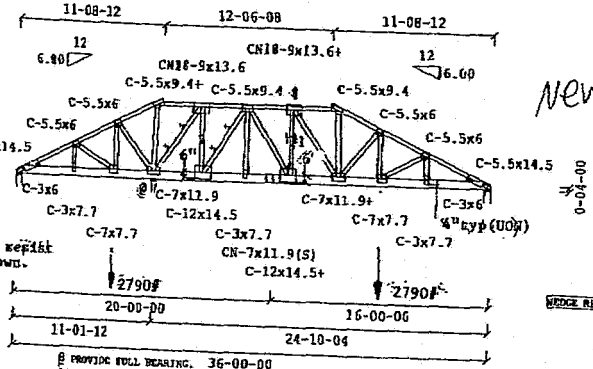
T 1=	1778	B 1=	-2578	W 1=	160	W10=	4088
T 2=	2208	B 2=	-1578	W 2=	-472	W11=	-1552
T 3=	4780	B 3=	-1974	W 3=	3870	W12=	1620
T 4=	4240	B 4=	838	W 4=	-3924	W13=	3120
T 5=	-838	B 5=	4206	W 5=	-2176	W14=	-3286
T 6=	-6322	B 6=	4206	W 6=	-5214	W15=	3744
T 7=	-7214	B 7=	6322	W 7=	7488	W16=	-240
T 8=	-8096	B 8=	9376	W 8=	-6494	W17=	160
T 9=	-10482	B 9=	9578	W 9=	1854		
T10=	-10754	B10=	9578				

** LEFT = -646 RIGHT = 5162
INT. = 14838 @ 11'- 1.8"

BEARING AREA REQUIRED (SQ. IN)

JOINT 1	1.03 DF /	1.59 HF /	1.52 SPF
JOINT 11	8.24 DF /	12.72 HF /	12.12 SPF
JOINT 14	23.74 DF /	36.64 HF /	34.91 SPF

+ Laterally brace to roof diaphragm
* 2x4 web brace required.



**Anchor to resist uplift shown.

New D

Scale: 1/8"
JOB NAME: DENALI #214-02 BB (OREGON)

@ PROVIDE FULL BEARING.

SCOTT R. CARROLL
STATE OF WASHINGTON
17778
REGISTERED
PROFESSIONAL ENGINEER

City of Portland
WEDGE REQUIRED AT BEARING(S)
EXPIRES 6/10/03
APPROVED
APR 01 2002

This design prepared from computer input by ARIEL TRUSS CO.

Design Criteria: UBC-97 AnVer: 1.08(IL)-

FILE NO.: 36HPGRD

DATE: 3/25/2002

DES. BY: R

SEQ.: 706185

REFERENCE:
1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. All temporary and permanent bracing must be installed where shown or, if not shown, in accordance with the latest edition of the Building Component Safety Information, Handling, Shipping and Installation of Components.
4. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipping and installation of components.
5. This design is furnished subject to the limitations set forth in the latest edition of the Truss Plate Institute's "Building Wood Trusses, DSB-89"; a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted.
1. Design to support loads as shown.
2. Design assumes that top and bottom chords to be laterally braced at 24" o.c. and at 12'-0" o.c. respectively.
3. See project specs or plans for lateral bracing recommended where shown * *
4. Installation of trusses is the responsibility of the respective contractor.
5. Design assumes trusses will be used in a non-corrosive environment, and are for "dry condition" of use.
6. Design assumes flat bearing at all supports shown. Shim or wedge if necessary.
7. Design assumes adequate anchorage is provided.
8. Plates shall be located on both sides of truss, and placed so that center line of plate coincides with joint intersection.
9. Dots indicate zero or plate in tension.
10. For basic design of plates in accordance with the Computrus Plate, indicated by the prefix "C", see LC.B.O. Report 4211.
11. The Computrus Heat Section Plate is indicated by the prefix "CN", the designation (18) indicates 18 ga. material is used. All others are 20 ga.

Computrus Inc.
MANUFACTURE, ENGINEERING, COMPUTERIZED

LUMBER SPECIFICATIONS

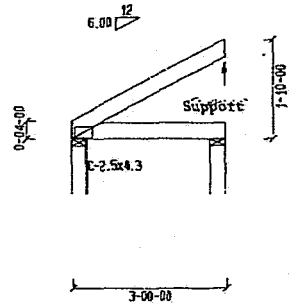
SIZE	SPECIE	GRADE
	TOP CHORDS:	
2x 4	DF	#2
	BOTTOM CHORDS:	
2x 4	DF	#2

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

TRUSS SPAN 3'- .00"
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
#5 PSF REDUCTION TAKEN ON
BOTTOM CHORD, AXIAL STRESS ONLY

MONO



Scale: 1/2"
JOB NAME: DEAN(CONST 4214-02 42BR.L 1BR) 6/12

REGISTERED PROFESSIONAL ENGINEER
OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL
EXPIRES 12/31/03

City of Portland
APPROVED
APR 01 2002

This design prepared from computer input by ARIEL TRUSS INC.

DATE: 3/25/2002
DES. BY:
SEQ.: 706148

WARNINGS:
1. Read all General Notes and Warnings before construction of trusses.
2. Bracing and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. 1x2 compression web bracing must be installed where shown.
4. All lateral bracing members such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus Trusses no responsibility for such bracing.
5. No load should be applied to any component until the all bracing and fastenings are complete, and at no time should any truss greater than design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipping and installation of components.
7. This design is furnished subject to the Restrictions on truss designs set forth by the Truss Plate Institute (Bracing Wood Trusses, HIB-91), a copy of which will be furnished by Computrus upon request.

General Notes, unless other wise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. Provide bracing 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. Plate sizes are at plate or nodes.
10. For specification values of the Computrus Plate, indicated by the prefix "T", see I.C.B.O. R.R. 4211.
11. The Computrus Tee Section Plate is indicated by the prefix "CTS", the designator (18) indicates 18 ga. material is used. All others are 20 ga.

Design conforms to UBC-97 Anver: 1.07(1L)-H

Computrus Inc.
manufacturing, marketing, computrus.com

LUMBER SPECIFICATIONS

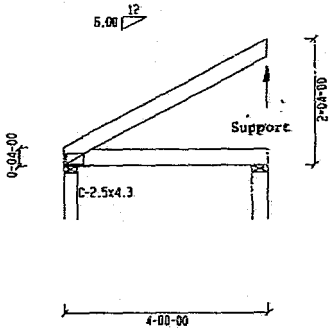
SIZE	SPECIE	GRADE
	TOP CHORD:	
2x 4	DF	#2
	BOTTOM CHORD:	
2x 4	DF	#2

TC LATERAL SUPPORT <= 12"OC, UON.
BC LATERAL SUPPORT <= 12"OC, UON.

TRUSS SPAN 4'- .00"
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*
*5 PSF REDUCTION TAKEN ON
BOTTOM CHORD, AXIAL STRESS ONLY.

MONO



Scale: 1/2"
JOB NAME: DENALI CONST 4214-02 4248.1 KRD 6/12

This design prepared from computer input by ARIEL TRUSS INC.

City of Portland
APPROVED
APR 01 2002
7/7
Per

REGISTERED PROFESSIONAL ENGINEER
9461
OREGON
OCTOBER 6, 1978
SCOTT R. CARROLL
EXPIRES 12/31/03

DATE: 3/25/2002
DES. BY:
SEQ.: 706149

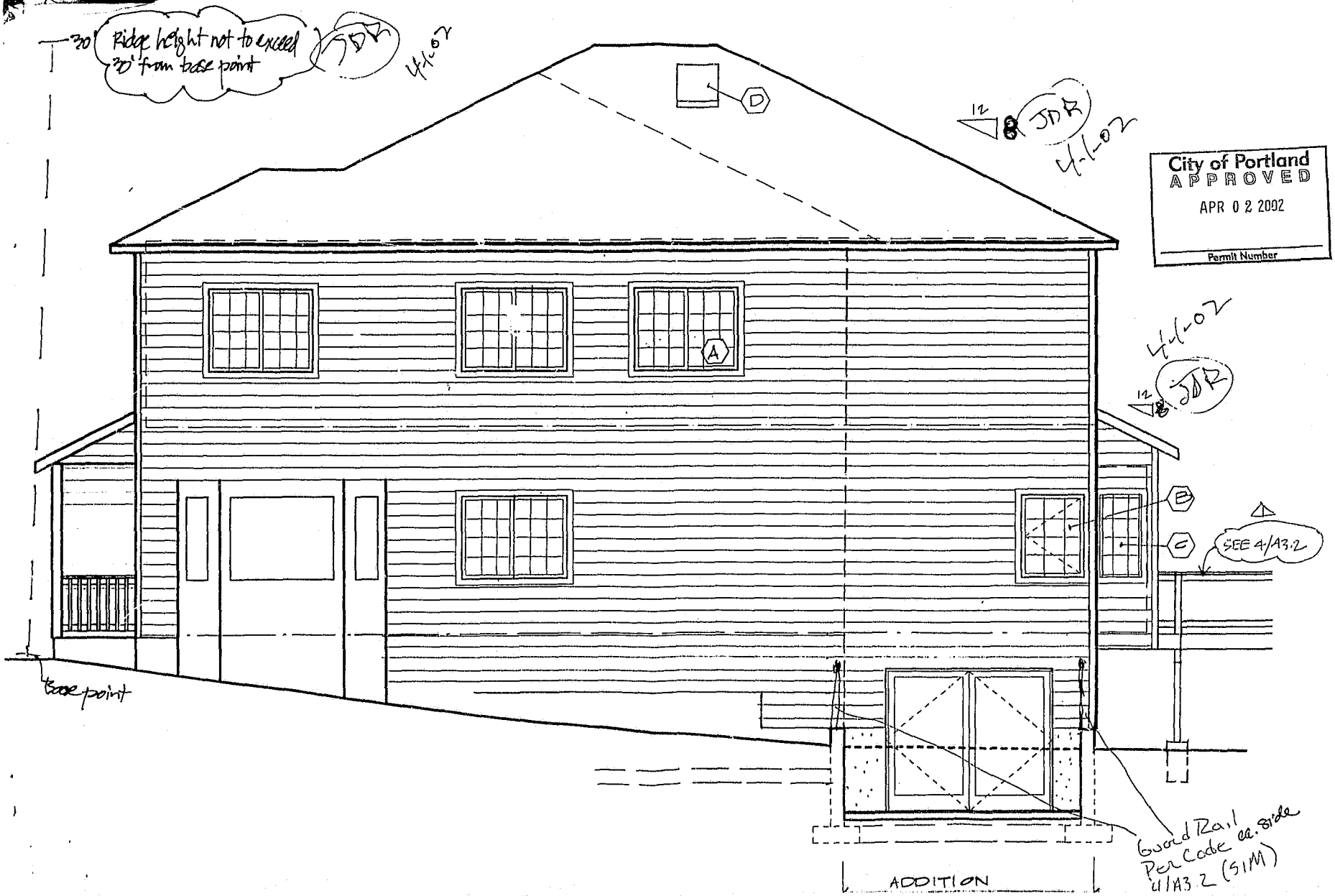
WARNING:
1. Read all General Notes and Warnings before construction of trusses.
2. Bracing and anchor connection should be advised of all General Notes and Warnings before construction commences.
3. TC components to be bracing type 1x4 bracket where shown +.
4. All lateral bracing, including elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure. Computrus assumes no responsibility for such bracing.
5. No load should be applied to any component until after all bracing and hangers are complete, and at no time should one side gravity flow design loads be applied to any component.
6. Computrus has no control over and assumes no responsibility for the fabrication, handling, shipment and installation of components.
7. This design is furnished subject to the limitations of layout designs set forth by the Truss Plate Institute in "Bracing Wood Trusses, HIB-91", a copy of which will be furnished by Computrus upon request.

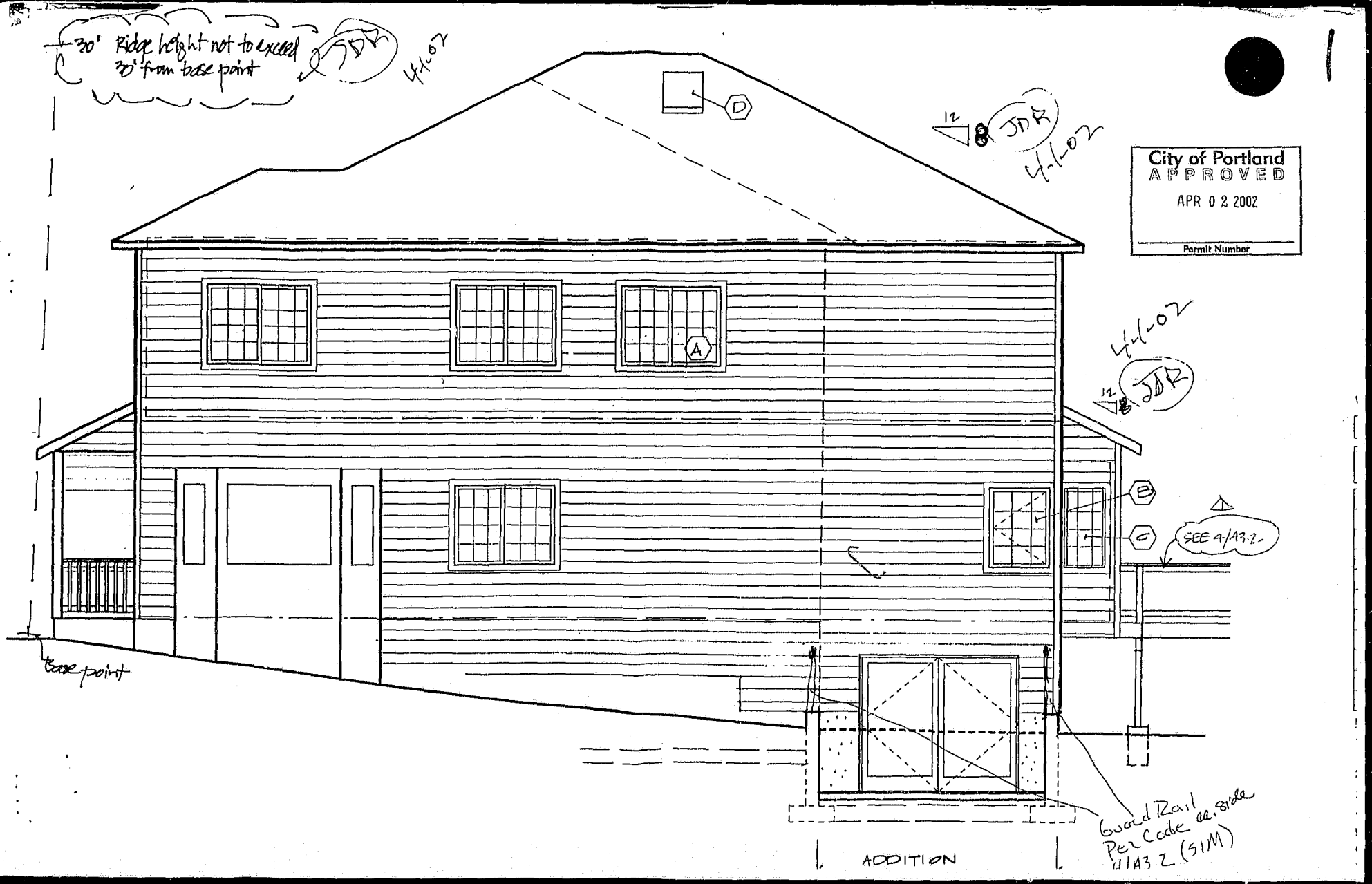
General Notes, unless otherwise noted:
1. Design to support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 Impact bridging or lateral bracing required where shown +.
4. Installation of trusses is the responsibility of the erection contractor.
5. Design assumed 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 trusses, and placed so their center lines coincide with joint center lines.
9. Dgrid indicate size of plate in inches.
10. For basic design values of the Computrus Plate, indicated by the prefix "C", see I.C.B.O. R.R. 4711.
11. For Computrus Flat Section Plate, indicated by the prefix "CM", the designator (18) indicates 18 ga. material is used. All others are 20 ga.

Design conforms to UBC-97 ArVer: 1.07(IL)-W

Computrus Inc.
MANUFACTURING, ENGINEERING, COMPUTER SYSTEMS

2


30' Ridge height not to exceed 30' from base point
JDR 4-1-02
12
8
JDR 4-1-02
City of Portland
APPROVED
APR 0 2 2002
Permit Number
4-1-02
12
8
JDR
D
A
B
C
SEE 4/A3.2
Base point
ADDITION
Guard Rail Per Code ea. side 4/A3.2 (SIM)


30' Ridge height not to exceed 30' from base point
JDR 4-1-02
D
12
JDR 4-1-02
City of Portland
APPROVED
APR 0 2 2002
Permit Number
4-1-02
12
JDR
A
B
C
SEE 4/A3.2
base point
Guard Rail Per Code ea. side 11/A3.2 (SIM)
ADDITION