

# TRUSS APPROVAL PACKAGE

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TRUSS PLATE INSTITUTE  
 REGISTERED PATENT NO. 52

CUSTOMER: Bearing Lumber  
 WSI NUMBER: 281368  
 PROJECT NAME: Paradise Residence  
 LOCATION: Seth Portland ME  
 WSI CONTACT: Bill/M.K. Morron



<input type="checkbox"/> APPROVED	<input type="checkbox"/> REJECTED <input type="checkbox"/> REVISE AND RESUBMIT <input type="checkbox"/> APPROVED AS NOTED
<input type="checkbox"/> APPROVED AS NOTED	
<input type="checkbox"/> REVISE AND RESUBMIT	
<input type="checkbox"/> REJECTED	
SIGNED: _____	COMPANY: _____
DATE: _____	
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COMMENTS:

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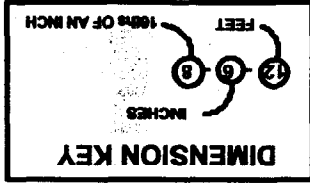
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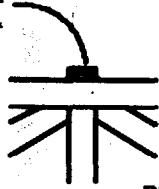
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**PLATE SIZE:** The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.  
**4 X 4**  
 This symbol indicates the required direction of slots in connector plates.



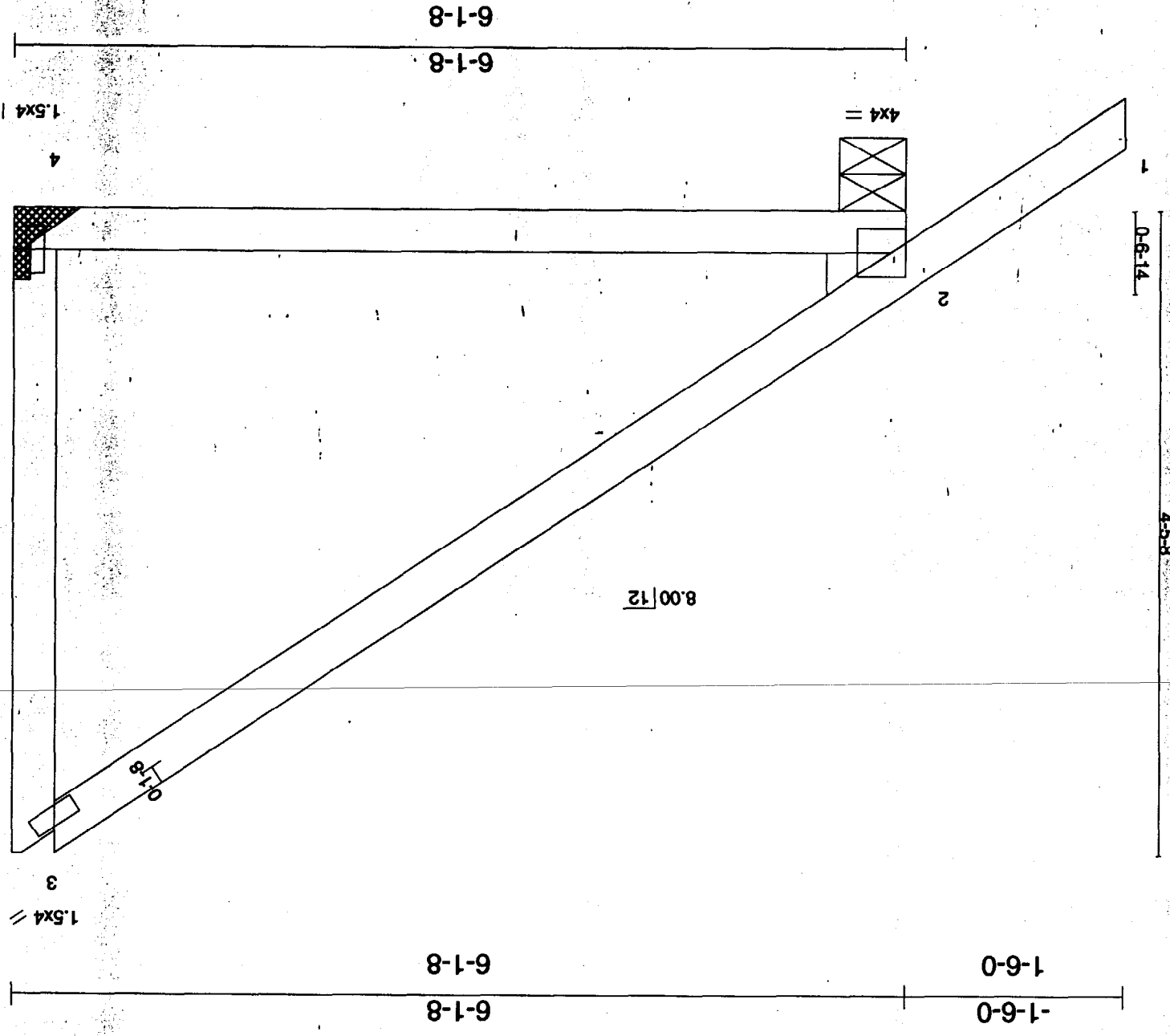
**LATERAL BRACING**  
 Indicates location of required continuous lateral bracing



**BEARING LOCATION**  
 Indicates location of joints at which bearings (supports) occur

Job	Truss Type	Qty	Py	DEERING/DARADNO
A261368	001	42	1	
Job Reference (optional)				
5.100 s May 30 2003 MITTEK Industries, Inc. Mon Jun 23 08:31:25 2003 Page 1				

Wood Structures, Biddeford, ME 04005, MITTEK Industries, Inc.



Scale = 1:12.8

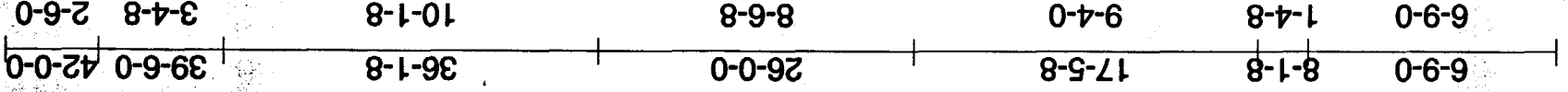
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Job	Truss	Truss Type	HP	Qty	1	Job Reference (optional)	DEERING/DARANO
A281368	002						

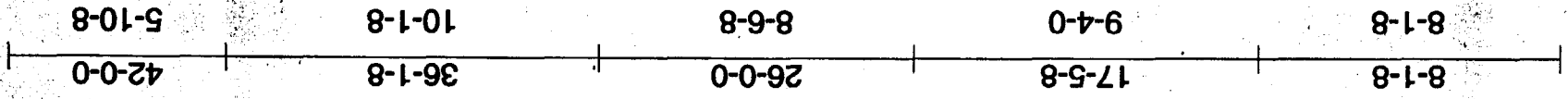
Wood Structures, Biddeford, ME 04005, MITTEK Industries, Inc.

5,100 s May 30 2003 MITTEK Industries, Inc. Mon Jun 23 08:31:28 2003 Page 1



Scale = 1:58.4

Plate Offsets (X,Y): (120,3,8,0,4,6)  
Continued on page 2



Job	Truss	002	HIP	1	1	DEERING/DARANO
A281388						Job Reference (optional)
Wood Structures, Biddeford, ME 04005, MITTEK Industries, Inc.						
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LOADING (psf)	TCLL	42.0	Plates increase	1.15	TC	0.61	DEFL	h (in)	1/defl	L/D
TCDL	10.0	BC	0.62	Lumber increase	1.15	VB	0.55	12-13	>813	180
BCLL	0.0	Req Stress Incr	YES			Horz(TL)	0.14	10	n/a	n/a
BCDL	10.0	Code	BOCA/ANSI85							
SPACING										
	2-0-0	CSI								

LUMBER	TOP CHORD	2 X 6 SPF 1650F 1.5E, T8 2 X 4 SYP No.2
	BOT CHORD	2 X 4 SPFS Stud - Except
WEBS		W1 2 X 4 SYP No.2, W2 2 X 4 SPF 1650F 1.5E, W5 2 X 4 SPF 1650F 1.5E, W7 2 X 4 SPF 1650F 1.5E
		W9 2 X 4 SPF 1650F 1.5E

REACTIONS (D/size)	16=2718/Mechanical, 10=2751/Mechanical
	Max Horiz 16=58(load case 4)
	Max Uplift 16=338(load case 4), 10=300(load case 4)
	Max Grav 16=2718(load case 1), 10=2785(load case 3)

FORCES (D) - First Load Case Only	TOP CHORD	1-10=338, 1-2=87, 2-3=3837, 3-4=5276, 4-5=5273, 5-6=5273, 6-7=5197, 7-8=5183, 8-9=40, 9-10=200
	BOT CHORD	15-16=3429, 15-17=3417, 13-14=3417, 13-18=5194, 12-18=2897, 11-18=2897, 10-11=1879
	WEBS	2-16=4049, 2-15=16, 3-15=274, 3-13=2147, 4-13=830, 6-13=94, 6-12=1062, 7-12=2834, 7-11=517, 8-11=1136, 8-10=3120

NOTES

1) Wind ASCE 7-98; 90mph; h=35ft; TCDF=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed/MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.60 plate grp DCL=1.60.

2) Design load is based on 42.0 psf specified roof snow load.

3) Undeclared snow loads have been considered for this design.

4) Provide adequate drainage to prevent water ponding.

5) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.

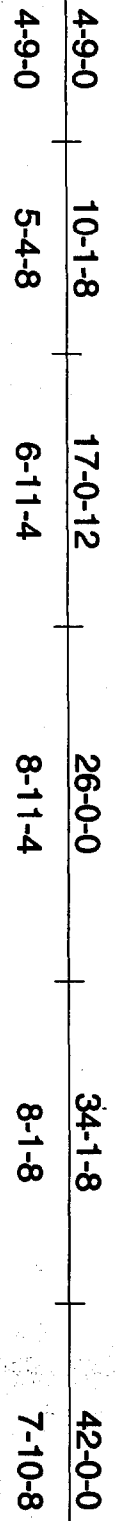
6) Refer to grid(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 338 lb uplift at joint 16 and 300 lb uplift at joint 10.

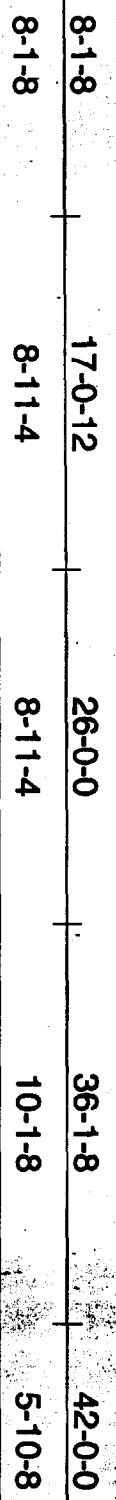
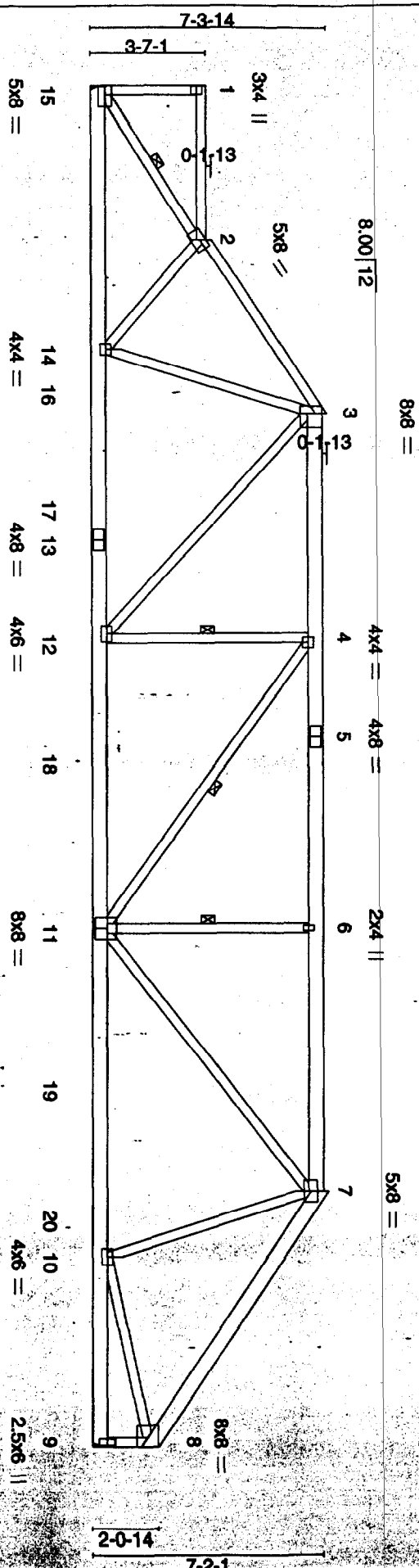
LOAD CASE(S) Standard

BRACING	TOP CHORD	Sheathed or 3-3-7 cc purlins, except end verticals
	BOT CHORD	Rigid ceiling directly applied or 10-0-0 cc bracing
	WEBS	1 Flow at midch
		2 Flows at 1/3 pts
		8-10
		2-16

PLATES	M120	Weight: 232 lb
GRP	169/123	



Scale = 1/8" = 1'-0"



Job	Truss	003	HMP	1	1	DEERING/DARADNO
A281368		003				
Wood Structures, Eldersford, ME 04005, MITek Industries, Inc.						
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LOADING (pcf)	2-0-0	SPACING	2-0-0	CS1	0.94	DEFL	h (loc)	L/den	L/d
TCLL	42.0	Plate increase	1.15	TC	0.94	Vert(LL)	-0.28	12-14	> 999
TCDL	10.0	Lumber increase	1.15	BC	0.61	Vert(TL)	-0.40	12-14	> 999
BCLL	0.0	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.12	9	n/a
BCLD	10.0	Code	BOCA/NBS95	(Matrx)					

**LUMBER**  
TOP CHORD 2 X 6 SPF 1650F 1.5E \*Except  
T1 2 X 4 SYP No.2, T2 2 X 4 SPF 1650F 1.5E  
BOT CHORD 2 X 6 SPF 1650F 1.5E  
2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W5 2 X 4 SPF 1650F 1.5E, W7 2 X 4 SPF 1650F 1.5E  
WEBS  
2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W5 2 X 4 SYP No.2, W7 2 X 4 SPF 1650F 1.5E, W11 2 X 4 SYP No.2  
W9 2 X 4 SPF 1650F 1.5E, W12 2 X 4 SYP No.2

**BRACING**  
TOP CHORD Sheathed or 2-11-13 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
WEBS 1 Flow at midpt  
2-15, 4-12, 4-11, 6-11

**REACTIONS (b/s/zt)** 15=2807/Mechanical, 9=2818/Mechanical

Max Horiz 15=-135(load case 4)  
Max Uplift 15=-234(load case 5), 9=-254(load case 4)  
Max Grav 15=2840(load case 2), 9=2884(load case 3)

**FORCES (b) - First Load Case Only**

TOP CHORD 1-15=-290, 1-2=-67, 2-3=-470, 3-4=-4430, 4-5=-4290, 5-6=-4290, 6-7=-4293, 7-8=-3343, 8-9=-2778  
BOT CHORD 14-15=9587, 14-16=3224, 16-17=3224, 13-17=3224, 12-13=3224, 11-18=4424, 11-19=2734, 10-20=2734, 9-10=290  
WEBS 2-15=-4323, 2-14=-311, 3-14=-497, 3-12=-1682, 4-12=-823, 4-11=-168, 6-11=-823, 7-11=2025, 7-10=406, 8-10=2425

**NOTES**

(1) Wind: ASCE 7-98; 90mph; h=39ft; TCDL=4.2pcf; BCDL=5.0pcf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grp DOL=1.60.  
(2) Design load is based on 42.0 pcf specified roof snow load.  
(3) Undesigned snow loads have been considered for this design.  
(4) Provide adequate drainage to prevent water ponding.  
(5) The truss has been designed for a live load of 20.0pcf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
(6) Refer to girders for truss connections.  
(7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint 15 and 254 lb uplift at joint 9.

**LOAD CASE(S) Standard**

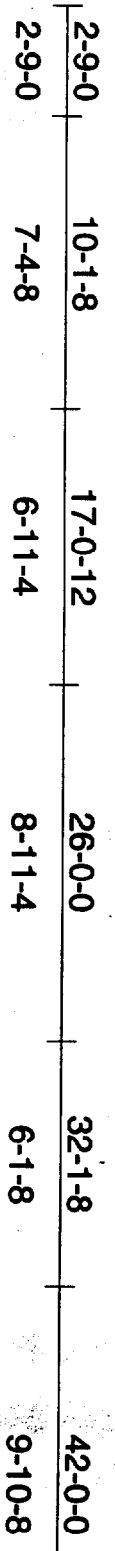


Plate Details (X,Y): [80-2-120-2-0], [120-4-0-4-0]  
Continued on page 2



Job	Truss	004	HP	1	1	DEERING/DARANO	Job Reference (optional)
A281368							

Wood Structures, Eddford, ME 04005, MITAK Industries, Inc.

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LOADING (psf)	SPACING	CS	DEFL	IDEAL	L/D	PLATES	GRP
2-0-0			in (loc)				
TC/L	Plates Increase	TC	Vert(LL)	Vert(TL)	Horz(TL)	PLATES	GRP
1.15	1.15	0.69	-0.25	-0.38	0.10	M120	109/123
42.0	1.15		>999	>999	>999		
10.0	Lumber Increase	BC					
0.0	1.15	0.63					
BCLL	Rep Stress Incr	WB					
0.0	YES	0.93					
10.0	Code	(Math)					
BCLL	BOCA/NBS195						
10.0							

**LUMBER**  
 TOP CHORD 2 X 6 SFP 1650F 1.5E 'Except'  
 T1 2 X 4 SFP No.2  
 BOT CHORD 2 X 6 SFP 1650F 1.5E 'Except'  
 WEBS  
 2 X 4 SFP 1650F 1.5E 'Except'  
 W1 2 X 4 SFP-S Stud, W2 2 X 4 SFP No.2, W3 2 X 4 SFP-S Stud, W4 2 X 4 SFP-S Stud

**REACTIONS (lb/size)** 10-2862/Mechanical, 10-2867/Mechanical

Max Horz 16=-171(load case 4)

Max Uplift 16=-216(load case 5), 10=-223(load case 4)

Max Grw 16=-236(load case 2), 10=-234(load case 3)

**FORCES (lb) - First Load Case Only**

TOP CHORD 1-10=61, 1-2=15, 2-3=3545, 3-4=3792, 4-5=3685, 5-6=3685, 6-7=3685, 7-8=3328, 8-9=3417, 9-10=2833

BOT CHORD 15-16=2232, 15-17=2808, 17-18=2808, 14-18=2808, 13-14=2808, 12-19=3789, 12-20=2808, 20-21=2808, 11-21=2808, 10-11=232

WEBS 2-18=3629, 3-15=41, 3-13=1508, 4-13=799, 4-12=140, 5-12=671, 7-12=1640, 7-11=1, 9-11=2568, 8-11=433, 2-15=660

**NOTES**

(1) Wind: ASCE 7-98; 90mph; TCDF=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grp DOL=1.60.

(2) Design load is based on 42.0 psf specified roof snow load.

(3) Undersnow snow loads have been considered for this design.

(4) Provide adequate drainage to prevent water ponding.

(5) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3'-0" between the bottom chord and any other members.

(6) Refer to girders for truss to truss connections.

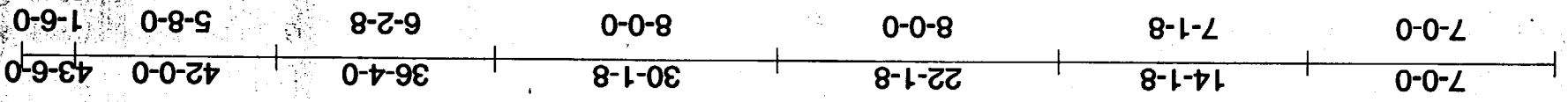
(7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 16 and 223 lb uplift at joint 10.

LOAD CASE(S) Standard

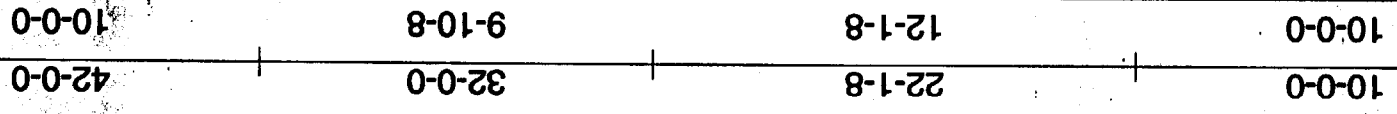
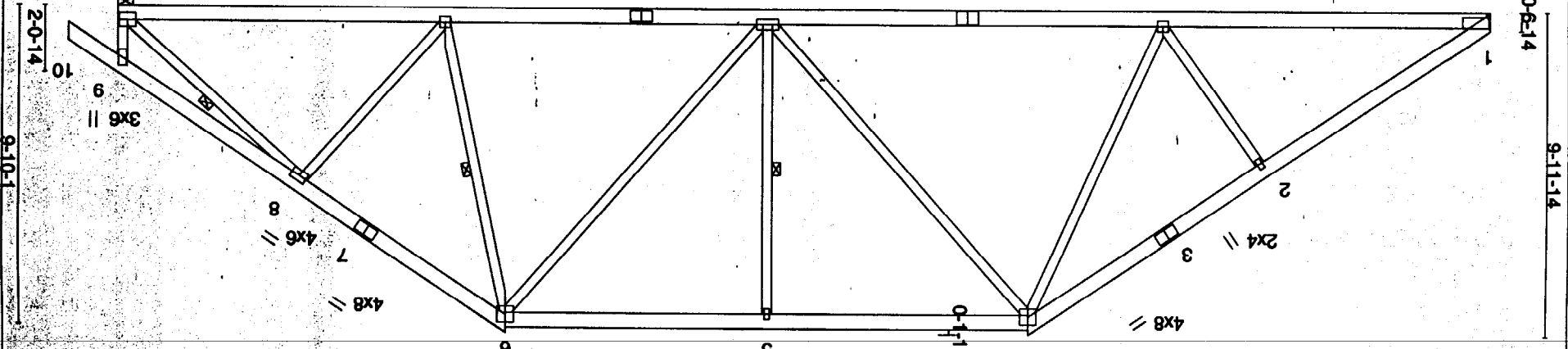
Job	A281368	Truss Type	HIP	Qty	1	Job Reference (optional)	DEERING/DARADNO
Truss	005						

Wood Structures, Biddeford, ME 04005, MITTEK Industries, Inc.

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Scale = 1:58.5



Plans Offset (X,Y): 1:0-10-3-0-1-6  
Continued on page 2

Job	Truss	005	HPP	1	1	DEERING/DARADNO	Job Reference (optional)
Wood Structures, Biddeford, ME 04005, MITek Industries, Inc.							
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LOADING (psf)	2-0-0	SPACING	1.15	Plates increase	4.0	TCLL	10.0	TCDL	10.0	BCLL	0.0	BCLL	10.0
CS1	0.59	TC	0.77	Lumber increase	1.15	Resp Stress Incr	YES	Code	BOC/MANS195				
DEFL	h (in)	Wdth	L/d	240	180	NA	NA	NA	NA	0.12	11	11	11
Vert(UL)	-0.36	14-16	>999	240	180	NA	NA	NA	NA	0.52	14-16	>871	180
Vert(TL)	-0.52	14-16	>871	180	180	NA	NA	NA	NA	0.12	11	11	11
Horz(TL)	0.12	11	11	11	11	11	11	11	11	0.12	11	11	11
Weight: 245 lb													
PLATES MK20 108/123 GMP													

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 6 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 1650F 1.5E - Except  
 W1 2 X 4 SPF-S Stud, W9 2 X 4 SYP No.2

**BRACING**  
 TOP CHORD Sheathed or 3-8-1 cc purlins, except end verticals  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 cc bracing  
 WEBS 1 Flow at midpt 5-14, 6-12, 8-11

**REACTIONS (b/size)** 1=2897/Mechanical, 11=3108/0-5-8  
 Max Horiz 1=231(load case 4)  
 Max Uplift 1=162(load case 5), 11=198(load case 7)  
 Max Grav 1=3007(load case 2), 11=3155(load case 3)

**FORCES (b) - First Load Case Only**  
 TOP CHORD 1-2=-4054, 2-3=-4256, 3-4=-3881, 4-5=-3412, 5-6=-3412, 6-7=-3122, 7-8=-3450, 8-9=-591, 9-10=95, 9-11=-728  
 BOT CHORD 1-17=3883, 17-18=2978, 18-19=3883, 19-20=2978, 20-21=2713, 21-22=2713, 22-23=2713, 23-24=2628, 24-25=2628  
 WEBS 2-16=-546, 4-16=1021, 4-14=668, 5-14=-881, 6-14=1077, 6-12=217, 8-12=185, 8-11=-3200

**NOTES**  
 1) Wind ASCE 7-98; 80mph; h=58ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MW/FTS interior zone; cantilever left and right exposed; Lumber DOL=1.50 plate grp DOL=1.50.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Undistributed snow loads have been considered for this design.  
 4) Provide adequate drainage to prevent water ponding.  
 5) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 6) Refer to girder(s) for truss to truss connections.  
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 1 and 198 lb uplift at joint 11.  
 LOAD CASE(S) Standard

-1-6-0	8-0-0	16-1-8	22-1-8	28-1-8	35-3-4	42-0-0	43-6-0
1-6-0	8-0-0	8-1-8	6-0-0	6-0-0	7-1-12	6-8-12	1-6-0

Scale = 1:60.8

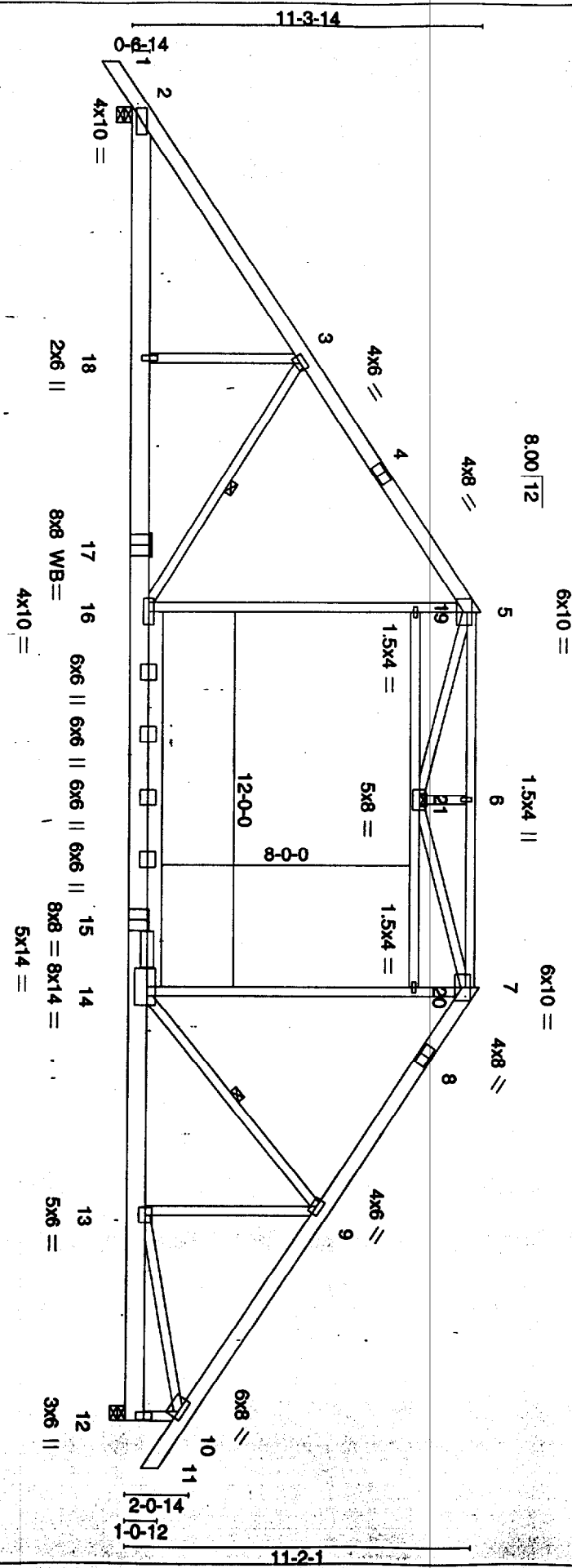


Plate Offsets (X,Y): [50-5-0,0-2-0], [70-5-0,0-2-0], [100-2-12,0-2-0], [140-3-8,0-4-12], [150-5-8,0-2-0], [160-1-8,0-2-0], [170-4-0,1E00]

8-0-0	15-11-12	28-3-4	35-3-4	42-0-0
8-0-0	7-11-12	12-3-8	7-0-0	6-8-12

LOADING (psf)	SPACING	2-0-0	CS1	DEFL	h	Wtd	L/d	PLATES	GRP
TCDL 42.0	Plates Increase	1.15	TC 0.93	Vert(U)	-0.68	16-18	>736	M120	189123
TCDL 10.0	Lumber Increase	1.15	BC 0.92	Vert(D)	-0.81	16-18	>616		
BCDL 0.0	Rap Stress Incr	YES	WB 0.81	Horz(T)	0.07	12	N/A		
BCDL 10.0	Code	BOCM/MS95	(Metric)				N/A		
								Weight: 327 lb	

**MEMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E "Except"  
 13 2 X 4 SPF 2100F 1.8E  
 BOT CHORD 2 X 8 SYP M 23 "Except"  
 B3 2 X 6 SPF 1650F 1.5E  
 W6 2 X 4 SPF-S Stud, W12 2 X 4 SYP No.2, W4 2 X 4 SPF-S Stud, W7 2 X 4 SPF-S Stud, W10 2 X 4 SPF-S Stud

**BRACING**  
 TOP CHORD Sheathed or 2-11-12 oc purlin, except end vertical.  
 BOT CHORD Rigid ceiling directly applied or 4-7-15 oc bracing.  
 WEBS 1 Row at midpt 19-20, 3-16, 9-14

**REACTIONS (k/size)** 2<227/0-5-8, 12<289/0-5-8  
 Max Horz 2<284/0 load case 5)  
 Max Uplift 1<155/0 load case 6), 12<170/0 load case 7)  
 Max Grav 2<334/7 load case 2), 12<323/0 load case 3)

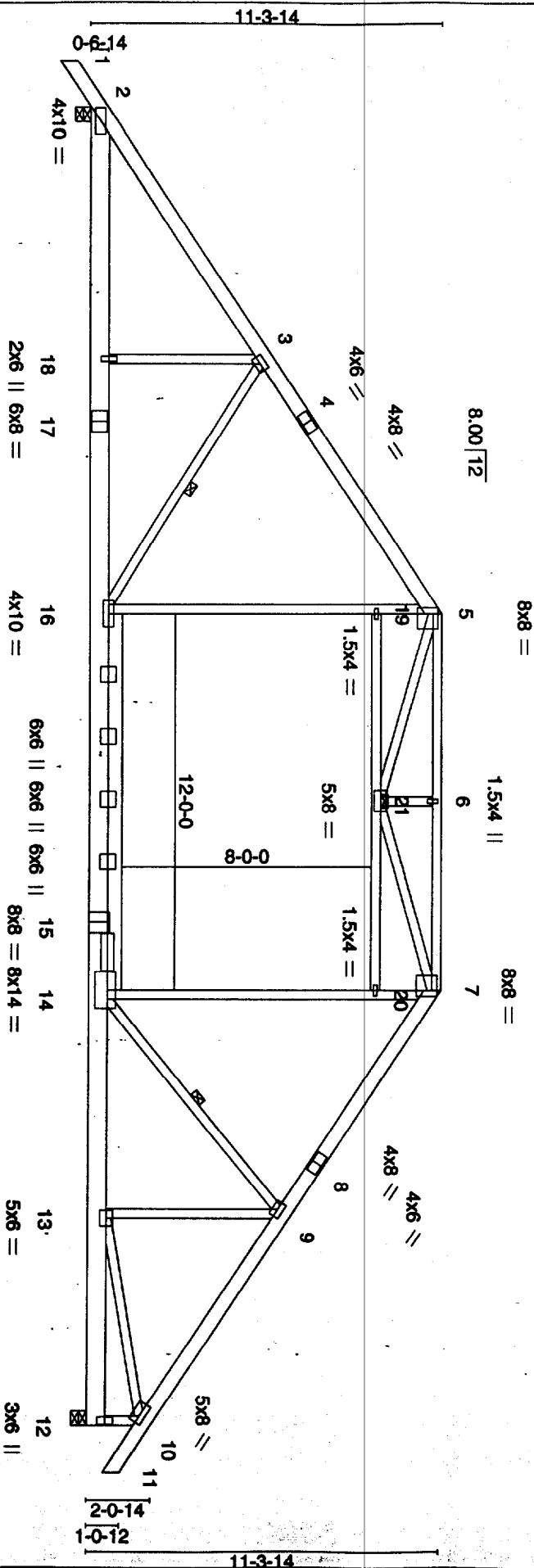
**FORCES (k)** - Final Load Case Only  
 TOP CHORD 1-2<40, 3-3<4654, 3-4<3639, 4-5<3682, 7-9<3484, 8-9<3894, 9-10<3668, 10-11<485, 10-12<3094, 5-6<3952, 6-7<3952  
 BOT CHORD 2-18<3925, 17-18<3925, 16-17<3925, 15-16<3071, 14-15<3008, 13-14<2912, 12-13<475  
 WEBS 18-21<47, 20-21<133, 16-18<881, 5-19<1014, 14-20<823, 7-20<892, 3-18<801, 3-18<210, 9-14<185, 6-21<533, 10-13<2810, 5-21<871, 7-21<1081, 9-13<889

**NOTES**  
 1) Wind ASCE 7-98; 90mph; In-Site; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS Interior zone; cantilever left end right exposed; Lumber DOL=1.80 plate gfp DOL=1.80.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Unbalanced snow loads have been considered for this design.  
 4) Provide adequate drainage to prevent water ponding.  
 5) Ceiling dead load (5.0 psf) on member(s), 18-21, 20-21  
 6) Bottom chord live load (35.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 14-16  
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2 and 170 lb uplift at joint 12.

**LOAD CASE(S)** Standard

-1-6-0	8-0-0	16-1-8	22-1-8	28-1-8	35-3-4	42-0-0	43-6-0
1-6-0	8-0-0	8-1-8	6-0-0	6-0-0	7-1-12	6-8-12	1-6-0

Scale = 1:60.8



8-0-0	15-11-12	28-3-4	35-3-4	42-0-0
8-0-0	7-11-12	12-3-8	7-0-0	6-8-12

Plate Offset (X-Y): [5-0-5-12-0-2-0], [7-0-5-12-0-2-0], [10-0-2-12-0-2-0], [14-0-3-4-0-4-12], [15-0-5-8-0-2-0], [16-0-1-8-0-2-0]  
Continued on page 2

Wood Structures, Biddeford, ME 04005, Int'lak Industries, Inc.

LOADING (psf)	SPACING	2-0-0	CS#	DIESTL	PLATES	GRP
TCDL 42.0	Plates Increase	1.15	TC 0.84	Vert(TL)	MW20	189/123
TCDL 10.0	Lumber Increase	1.15	BC 0.92	Vert(TL)		
BCLL 0.0	Rep. Stress Incr	YES	WB 0.81	Horz(TL)		
BCLL 10.0	Code	BOCMAN585	(Match)		Weight: 327 lb	

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E "Except"  
 T3 2 X 4 SPF 2400F 2.0E  
 BOT CHORD 2 X 6 SYP M 23 "Except"  
 B3 2 X 6 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 1650F 1.5E "Except"  
 W6 2 X 4 SPF-S Stud, W12 2 X 4 SYP No.2, W4 2 X 4 SPF-S Stud, W7 2 X 4 SPF-S Stud, W10 2 X 4 SPF-S Stud

**BRACING**  
 TOP CHORD Sheathed or 3-4-14 cc pultr., except end verticals.  
 BOT CHORD Ply'd ceiling directly applied or 4-6-6 cc bracing.  
 WEBS 1 Row at midpt 19-20, 3-16, 8-14

**REACTIONS (kips)** 2-3227/0-5-8, 12-3239/0-5-8  
 Max Horiz 2-287/0 (load case 5)  
 Max Uplift 2-194/0 (load case 6), 12-170/0 (load case 7)  
 Max Grav 2-3347/0 (load case 2), 12-3293/0 (load case 3)

**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-2-40, 2-3-4658, 3-4-3826, 4-5-3898, 7-9-3479, 8-9-3854, 9-10-3702, 10-11-465, 10-12-3084, 5-6-3826, 6-7-3826  
 BOT CHORD 2-18-3833, 17-18-3833, 16-17-3833, 14-15-2986, 13-14-2918, 12-13-2984  
 WEBS 18-21-43, 20-21-124, 16-19-1014, 5-18-1046, 14-20-890, 7-20-896, 3-18-858, 3-18-204, 9-14-138, 6-21-513, 10-13-2829, 5-21-881, 7-21-885, 9-13-882

**NOTES**  
 1) Wind: ASCE 7-05; 90mpt; h=30ft; TCDL=4.2psf; BCLL=5.0psf; Category II; Exp C; enclosed/MWFRS Interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate gfp DOL=1.60.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Unbalanced snow loads have been considered for this design.  
 4) Provide adequate drainage to prevent water ponding.  
 5) Ceiling dead load (5.0 psf) on member(s), 18-21, 20-21  
 6) Bottom chord live load (35.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 14-16  
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 2 and 170 lb uplift at joint 12.

**LOAD CASE(S)** Standard

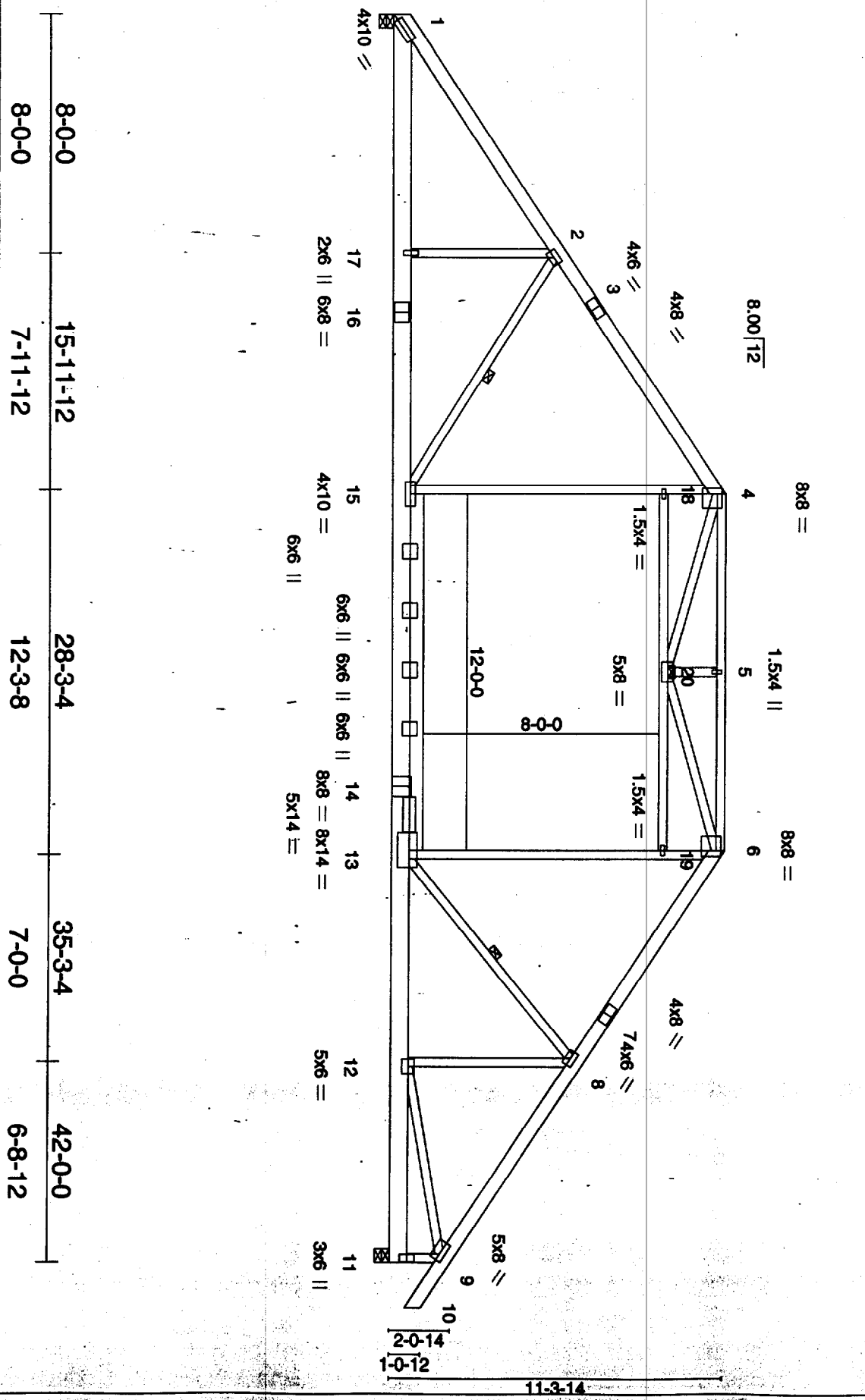
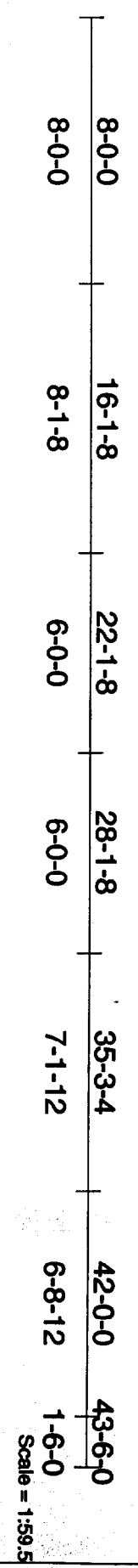


Plate Offset (X,Y): [1:0-2-9-0-2-0], [4:0-5-12-0-2-0], [6:0-5-12-0-2-0], [8:0-2-12-0-2-0], [13:0-3-8-0-4-12], [14:0-5-8-0-2-8], [15:0-1-8-0-2-0]  
 Continued on page 2



Job	Truss	Truss Type	Qty	Ply	DEERING/DARVINO
A281388	008	ATTIC	7	1	

Wood Structures, Rockford, WI 04003, Mitek Industries, Inc. Job Reference (optional) 5:100 S May 30 2003 Mitek Industries, Inc. Mon Jun 23 08:31:28 2003 Page 2

LOADING (psf)	SPACING	2-0-0	CS1	DEPL	h	l	l	PLATES	GRP
TTL	Plate Increase	1.15	T/C	Vert(L)	in	(ft)	l/4th	M120	18x123
TCDL	Lumber Increase	1.15	BC	Vert(T)	0.88	15-17	>7/8		
BCLL	Rsp Stress Incr	YES	WB	Hzr(T)	-0.81	15-17	>6/8		
BCDL	Code	BOCA/NBS/RS	(Month)		0.07	11	n/a		
10.0							n/a		
							n/a		Weight: 323 lb

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E \*Except\*  
 T3 2 X 4 SPF 2400F 2.0E  
 BOT CHORD 2 X 8 SYP M.23 \*Except\*  
 B3 2 X 6 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 1650F 1.5E \*Except\*  
 W1 2 X 4 SPF-S Stud, W6 2 X 4 SPF-S Stud, W12 2 X 4 SYP No.2, W4 2 X 4 SPF-S Stud, W7 2 X 4 SPF-S Stud, W10 2 X 4 SPF-S Stud

**BRACING**  
 TOP CHORD Sheathed or 3-4-13 cc purlin, except end vertical.  
 BOT CHORD Rigid ceiling directly applied or 4-7-8 cc bracing.  
 WEBS 1 Ply at midpt 18-19, 2-15, 8-13

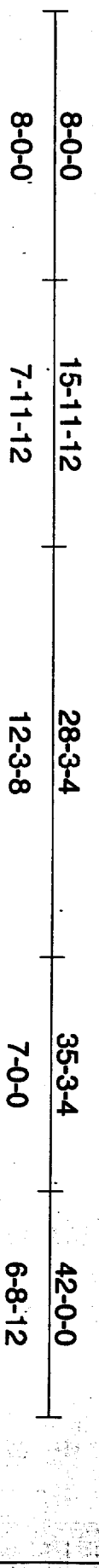
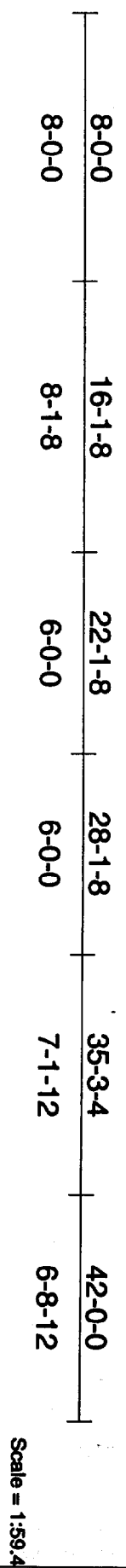
**REACTIONS (lb/size)** 1-6-20430-5-8, 11-6-2730-5-8  
 Max Hzr 1-6-2720(load case 4)  
 Max Up/Lft 1-6-1220(load case 6), 11-6-1700(load case 7)  
 Max Grv 1-6-3120(load case 2), 11-6-820(load case 3)

**FORCES (lb)** - Full Load Case Only  
 TOP CHORD 1-2-4822, 2-3-3834, 3-4-3865, 6-7-3487, 7-8-3882, 8-9-3708, 9-10-865, 9-11-3087, 4-5-3833, 5-6-3833  
 BOT CHORD 1-17-6884, 16-17-6884, 14-15-6309, 13-14-6274, 12-13-6282, 11-12-685  
 WEBS 18-20-43, 19-20-125, 15-18-1021, 4-18-1052, 13-19-884, 6-19-1000, 2-15-885, 2-17-228, 8-13-140, 5-20-514, 8-12-6382, 4-20-881, 6-20-887, 8-12-887

**NOTES**  
 1) Wind: ASCE 7-98; 90mph; h=59ft; TCDL=4.2psf; BCCL=5.0psf; Category II; Exp C; enclosed/MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Unshored snow loads have been considered for the design.  
 4) Provide adequate drainage to prevent water ponding.  
 5) Ceiling dead load (5.0 psf) on member(6), 18-20, 19-20  
 6) Bottom chord live load (25.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 13-15  
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 1 and 170 lb uplift at joint 11.  
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Py	DEERING/DARLINO
A281388	000	ATTIC	2	1	

Wood Structures, Bridgford, ME 04005, MITek Industries, Inc. Job Reference (optional) 5,100's May 30 2003 MITek Industries, Inc. Mon Jun 23 08:31:28 2003 Page 1



Plan Offset (X,Y): [1:0-2-0-2-0], [4:0-5-12-0-3-0], [6:0-5-12-0-2-0], [12:0-3-0-4-1-2], [13:0-5-0-2-0], [14:0-1-0-2-0]  
 Continued on page 2

Job	Truss	Truss Type	ATTIC	Qty	2	1	Job Reference (optional)
A281368	009						DEERING/DARADNO
Wood Structures, Eddiford, ME 04005, MITAK Industries, Inc.							
5,100 s May 30 2003 MITAK Industries, Inc. Mon Jun 23 08:31:29 2003 Page 2							

LOADING (psf)	2-0-0	SPACING	2-0-0	CS	0.86	TC	0.86	DEFL	in (occ)	Wspan	L/D
TCLL	42.0	Planes increase	1.15	Vert(TL)	-0.68	14-16	> 737	240	Wspan	L/D	
TDCL	10.0	Lumber increase	1.15	Vert(TL)	-0.81	14-18	> 618	180	Wspan	L/D	
BCLL	0.0	Rep Stress Incr	YES	WB	0.82			na	Wspan	L/D	
BCDL	10.0	Code	BOCA/NBS95	(Math)				na	Wspan	L/D	

**LUMBER**  
TOP CHORD 2 X 6 SPF 1650F 1.5E \*Except  
T3 2 X 4 SPF 2400F 2.0E  
BOT CHORD 2 X 8 SYP M 23 \*Except  
B3 2 X 6 SPF 1650F 1.5E  
2 X 4 SPF 1650F 1.5E \*Except  
W1 2 X 4 SPF-S Stud, W6 2 X 4 SPF-S Stud, W7 2 X 4 SPF-S Stud  
W10 2 X 4 SPF-S Stud

**REACTIONS (lb/size)** 1=3047/0-5-8, 10=3096/0-5-8  
Max Horiz=291(load case 5)  
Max Up=11=122(load case 6), 10=104(load case 7)  
Max Grav=1=3127(load case 2), 10=3098(load case 1)

**FORCES (lb)** - First Load Case Only  
TOP CHORD 1-2=-4897, 2-3=-3843, 3-4=-3704, 6-7=-3694, 7-8=-3874, 8-9=-3729, 9-10=-2909, 4-5=-3833, 5-6=-3833  
BOT CHORD 1-16=-3867, 15-16=-3867, 14-15=-3867, 13-14=-3047, 12-13=-2983, 11-12=-2949, 10-11=1425  
WEBS 17-19=45, 18-19=124, 14-17=1026, 4-17=1057, 12-18=972, 6-18=980, 2-16=225, 8-12=115, 5-19=509, 9-11=2588, 4-19=875, 6-19=859, 8-11=899

**NOTES**  
(1) Wind: ASCE 7-98; 90mph; h=35ft; TDCL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.60 plate grp DCL=1.60.  
(2) Design load is based on 42.0 psf specified roof snow load.  
(3) Unbalanced snow loads have been considered for this design.  
(4) Provide adequate drainage to prevent water ponding.  
(5) Ceiling dead load (5.0 psf) on member(s), 17-19, 18-19  
(6) Bottom chord live load (35.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 12-14  
(7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 1 and 104 lb uplift at joint 10.  
**LOAD CASE(S)** Standard

PLATES	MIR20	Weight: 320 lb
GRP	169/123	

**BRACING**  
TOP CHORD Sheathed or 3-4-5 cc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 4-7-15 cc bracing.  
WEBS 1 Flow at midpt 17-18, 2-14, 8-12

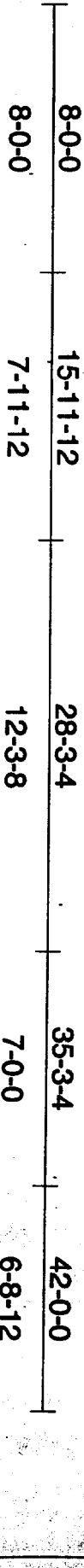
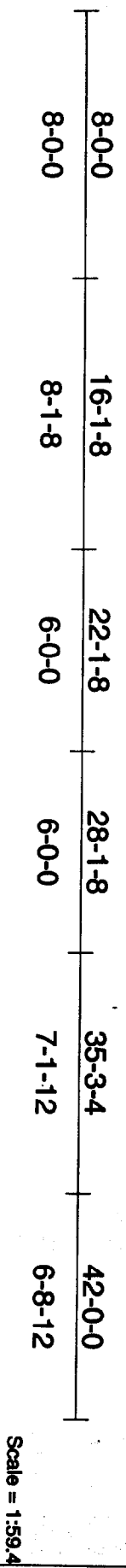


Plate Offices (X,Y): [130-2-0-2-0], [430-5-0-2-0], [630-4-8-0-2-0], [120-3-8-0-4-12], [130-5-8-0-2-0], [140-1-8-0-2-0]  
 Continued on page 2

LOADING (psf)	SPACING	2-0-0	CS1	DEFL.	h (in)	U/M	L/I	PLATES	GRP
TCDL 42.0	Plate Increase	1.15	TC 0.94	Vert(L)	-0.68	14-16	>735	M120	169/123
TCDL 10.0	Lumber Increase	1.15	BC 0.83	Vert(TL)	-0.81	14-16	>817		
BCDL 0.0	Pop. Stress Incr	YES	WB 0.81	Horz(TL)	0.07	10	N/A		
BCDL 10.0	Code	BOCA/AM595	(Metric)					Weight: 220 lb	

**MEMBERS**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E "Except"  
 T3 2 X 4 SPF 2400F 2.0E  
 BOT CHORD 2 X 8 SYP M 23 "Except"  
 B3 2 X 6 SPF 1650F 1.5E  
 W1 2 X 4 SPF-S Stud, W2 2 X 4 SPF-S Stud, W12 2 X 4 SYP No.2, W4 2 X 4 SPF-S Stud, W7 2 X 4 SPF-S Stud, W10 2 X 4 SPF-S Stud

**BRACING**  
 TOP CHORD Specified or 3-4-2 on purlin, eave and vertical.  
 BOT CHORD Rigid ceiling directly applied or 4-7-8 on bracing.  
 WEBS 1 Flow at midpt 1'-18, 2'-14, 8'-12

**REACTIONS (kips)** 1-3047/7/5-8, 10-3098/0-5-8  
 Max Horz =287(load case 5)  
 Max Uplift =122(load case 6), 10-104(load case 7)  
 Max Grav =3127(load case 2), 10-3098(load case 1)

**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-2-4883, 2-3-3857, 3-4-9711, 6-7-3612, 7-8-3892, 8-9-3722, 9-10-2908, 4-5-3983, 5-6-3983  
 BOT CHORD 1-16-3980, 15-16-3980, 14-14-3005, 12-13-3020, 11-12-2837, 10-11-442  
 WEBS 17-18-47, 18-19-132, 14-17-892, 4-17-1025, 12-18-933, 6-18-971, 2-14-826, 2-16-230, 8-12-182, 5-18-329, 9-11-2587, 4-18-867, 8-18-1056, 8-11-884

**NOTES**  
 1) Wind, ASCE 7-98; 80mph; h=38ft; TCDL=42psf; BCDL=5.0psf; Category II; Exp. C; endoobject/WINDERS interior zone; cantilever left and right exposed; Jumbo DOL=1.60 plus grip DOL=1.60.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Unbalanced snow loads have been considered for this design.  
 4) Provide adequate drainage to prevent water ponding.  
 5) Ceiling dead load (5.0 psf) on member(s), 17-19, 18-19  
 6) Bottom chord live load (35.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 12-14  
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 1 and 104 lb uplift at joint 10.  
**LOAD CASE(S)** Standard

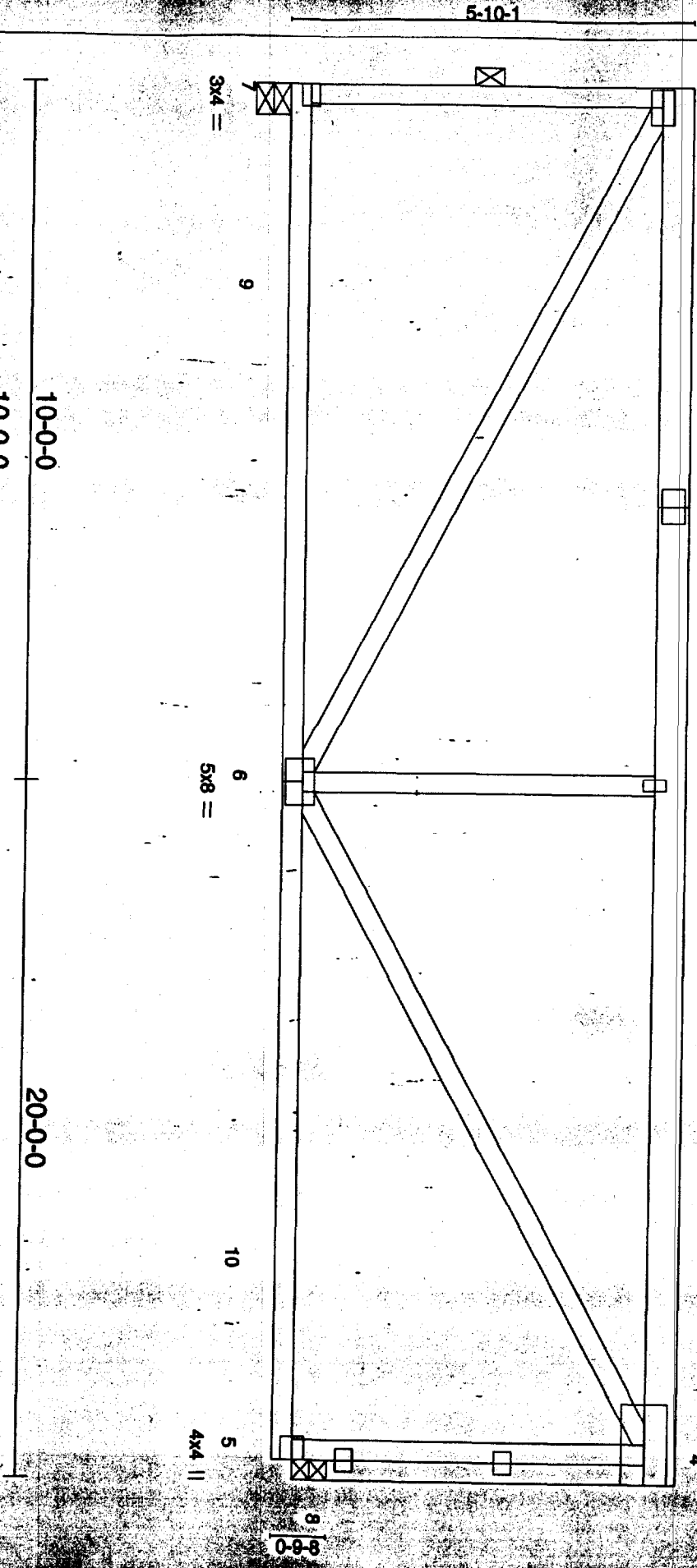
Job	Truss	Truss Type	Qty	Qty	PERMANENT/DRAWING
A281388	011	HPP	1	1	

Wood Structures, Bedford, ME 04005, MATTEK Industries, Inc.

Job Reference (optional)  
5,100 s May '30 2003 MATTEK Industries, Inc. Mon Jun 23 08:31:30 2003 Page 7

10-0-0  
10-0-0  
20-0-0  
10-0-0

Scale = 1/27.4



Plans Office (X) [603-400-300]  
Continued on page 2

LOADING (ref)	SPACING	2-0-0	CSI	DEFL	h	(loc)	Weld	Ld	PLATES	GRP
TCLL 42.0	Plate Increase	1.15	TC 0.72	Vert(L)	-0.06	5-6	>889	240	M20	160/123
TCDL 10.0	Lumber Increase	1.15	BC 0.39	Vert(TL)	-0.21	6-7	>889	180		
BCDL 0.0	Rep Stress Inv Code	YES	WB 0.83	Horz(TL)	-0.01	8	N/A	N/A		
BCDL 10.0	Code	BCCA/MNS95	(Month)							
										Weight: 108 lb

**LUMBERS**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 4 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 1650F 1.5E \*Except\*  
 W1 2 X 4 SYP No.2, W3 2 X 4 SYP No.2, W3 2 X 4 SPF-S Stud  
 OTHERS 2 X 4 SPF 1650F 1.5E

**REACTIONS (kips)** 7=1318D-6, 8=1329M-3-8  
 Max Uplift=123(load case 2), 8=127(load case 2)

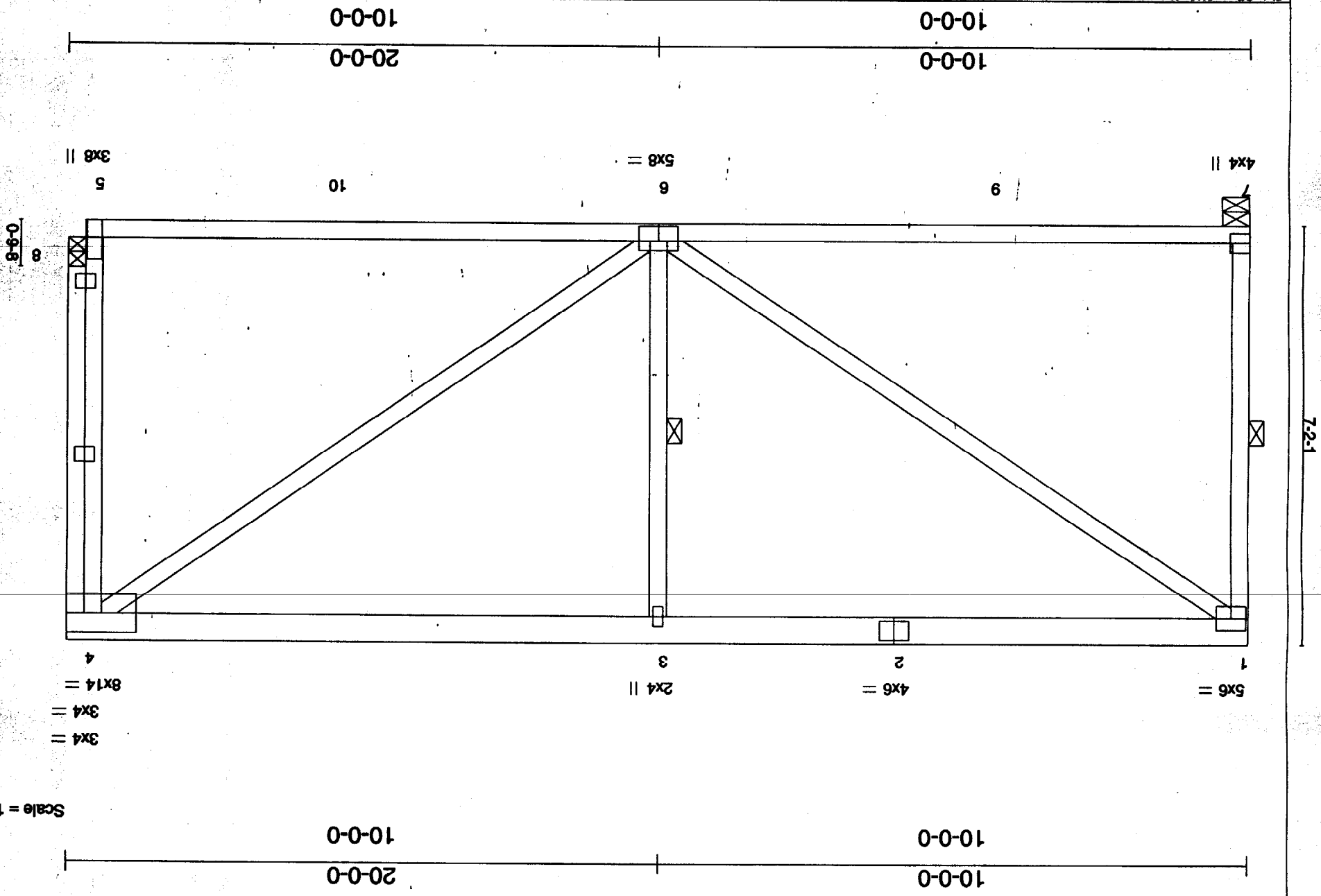
**FORCES (lb) - Flat Load Case Only**  
 TOP CHORD 1-7=1115, 1-2=1307, 2-3=1307, 3-4=1307, 5-6=185, 4-8=1130  
 BOT CHORD 7-8=108, 6-8=109, 8-10=119, 5-10=119  
 WEBS 3-8=1118, 1-8=1370, 4-8=1383

**NOTES**  
 1) W1, W3CE 7-8, 90mph; h=8ft; TCDL=42.0; BCDL=5.0; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.80 plate gfp DOL=1.80.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Provide adequate drainage to prevent water ponding.  
 4) \* This truss has been designed for a live load of 20 psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 5) Beading at joints 8 considers parallel to grain values using ANS/TP1-1-1985 angle to grain formula. Building designer should verify capacity of bearing surface.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 7 and 127 lb uplift at joint 8.  
 LOAD CASE(S) Standard

**BRACING**  
 TOP CHORD Steepled or 6-0-0 cc purlins, except end verticals.  
 BOT CHORD Ply'd ceiling directly applied or 10-0-0 cc bracing.  
 WEBS 1 Ply at midpt 1-7

Job	Truss	HP	QV	PV	DEERING/DARADNO
A281368	012		1	1	
Wood Structures, Biddeford, ME 04005, MITTEK Industries, Inc.					
Job Reference (optional)					
S.100 s May 30 2003 MITTEK Industries, Inc. Mon Jun 23 08:31:30 2003 Page 1					

Scale = 1:27.4



Please Check (X,Y): (0-0+0-0-0)

Continued on page 2



Job	Truss	Truss Type	HP	Qty	1	DEERING/DARANO	Job Reference (optional)	1
A261388	012						5,100 s May 30 2003 MITAK Industries, Inc. Mon Jun 23 08:31:30 2003 Page 2	

Wood Structures, Eddford, ME 04005, MITAK Industries, Inc.

LOADING (psf)	2.0-0	CSM	0.62	DEFL	in (rod)	Wdell	Ld	
TOLL	42.0	TC	0.44	Vert(TL)	-0.13	6-7	>888	240
TDCL	10.0	BC	0.57	Vert(TL)	-0.30	6-7	>787	180
BCLL	0.0	WB	0.57	Horz(TL)	-0.01	8	rd	rd
BCLL	10.0	Rep Stress Incr	YES					
BCLL	10.0	Code	BOCA/ANSI85					
SPACING	2.0-0							
LUMBER	TOP CHORD	2 X 6 S-PF	1650F	1.5E				
	BOT CHORD	2 X 4 S-PF	1650F	1.5E				
	WEBS	W3 2 X 4 S-PF-S Stud						
OTHERS		2 X 4 S-PF	1650F	1.5E				
REACTIONS (k/ft2)	7=1372/0-5-8, 8=1394/0-3-8							
	Max Up/LT=123(load case 2), 8=127(load case 2)							
FORCES (k)	First Load Case Only							
TOP CHORD	1-7=-1138, 1-2=-1093, 2-3=-1093, 3-4=-1093, 5-8=228, 4-8=-1154							
BOT CHORD	7-9=86, 6-9=86, 6-10=96, 5-10=96							
WEBS	3-6=-1131, 1-6=-1223, 4-6=-1216							

**BRACING**  
 TOP CHORD Sheathed or 6-0-0 cc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 cc bracing.  
 WEBS 1-7, 3-6  
 1 Flow at midpt

PLATES	MIR20	Weight: 112 lb
GRP	160/123	

**NOTES**  
 1) Wind: ASCE 7-98; 90mph; h=35ft; TCCL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.60 plate grp DCL=1.60.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Provide adequate drainage to prevent water ponding.  
 4) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3'-6" between the bottom chord and any other members.  
 5) Bearing at joint(s) is considered parallel to grain values using ANS/TFI 1-1985 angle to grain formula. Building designer should verify capacity of bearing surface.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 7 and 127 lb uplift at joint 8.  
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	DESCRIPTION
A281368	013	H-P	1	1	
Wood Structures, Biddeford, ME 04005, MITek Industries, Inc.					Job Reference (optional) 5,100 s Hwy 30 2003 MITek Industries, Inc. Mon Jun 23 08:31:30 2003 Page 1

10-0-0      20-0-0  
10-0-0      10-0-0

Scale = 1:27.4

1      5x6 =  
2      4x6 =  
3      2x4 ||

4      3x4 =  
5      3x4 =  
6      8x14 =

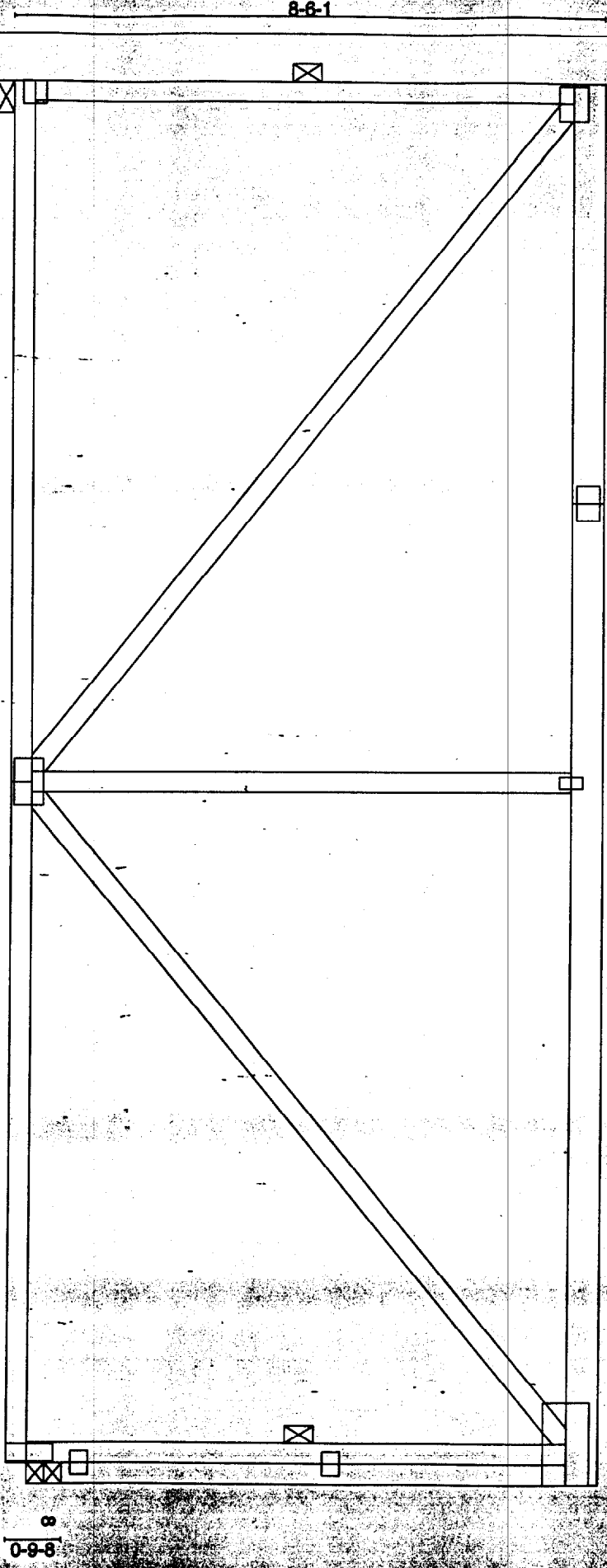


Plate Details (X, Y), [60-4-0-3-0]  
Continued on page 2

10-0-0      20-0-0  
10-0-0      10-0-0

LOADING (psf)	SPACING	CS	DEPL	h	(ft)	Wind	Ld	PLATES	GRIP
TCLL 42.0	Plates Increase 2.0-0	TC 0.85	Vert(U) 0.20	6-7	>689	240		MW20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.48	Vert(L) 0.37	6-7	>638	180			
BCLL 0.0	Rap Stress Incr YES	WB 0.88	Horz(U) 0.01	8	n/a	n/a			
BCDL 10.0	Code BOCA/ANSI95	(Metric)							

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 4 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 1650F 1.5E  
 OTHERS 2 X 4 SPF 1650F 1.5E

**REACTIONS (k/line)** 7=1409/0-5-8, 8=1421/0-3-8  
 Max Uplift= 123(k/rod case 2), 8=127(k/rod case 2)

**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-7=1160, 1-2=944, 2-3=944, 3-4=944, 5-9=243, 4-8=1178  
 BOT CHORD 7-9=70, 6-8=70, 8-10=79, 5-10=79  
 WEBS 3-6=1141, 1-9=1133, 4-6=1128

**NOTES**  
 1) Wind: ASCE 7-88; 90mph; h=30ft; TCDD=4.2psf; BCDD=5.0psf; Category II; Exp C; enclosed/MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.80 plate grip DOL=1.80.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Provide adequate drainage to prevent water ponding.  
 4) \* This truss has been designed for a live load of 20 psf on the bottom chord in all areas with a clearance greater than 3'-0" between the bottom chord and any other members.  
 5) Bearing at joints: 8 considers parallel to grain values using ANSITR1-1895 angle to grain formula. Building designer should verify capacity of bearing surface.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 7 and 127 lb uplift at joint 8.  
**LOAD CASE(S)** Standard

**BRACING**  
 TOP CHORD Straight or 6-0-0 or purlin, except end vertical.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 or bracing.  
 WEBS 1 Row at midpt 1-7, 4-5

Weight: 121 lb

Job	Truss	014	HP	1	Qty	1	PLY	DEERING/DARANO
A281368								Job Reference (optional)
Wood Structures, Eddford, ME 04005, MITTEK Industries, Inc.								
5:100 s May 30 2003 MITTEK Industries, Inc. Mon Jun 23 08:31:31 2003 Page 1								

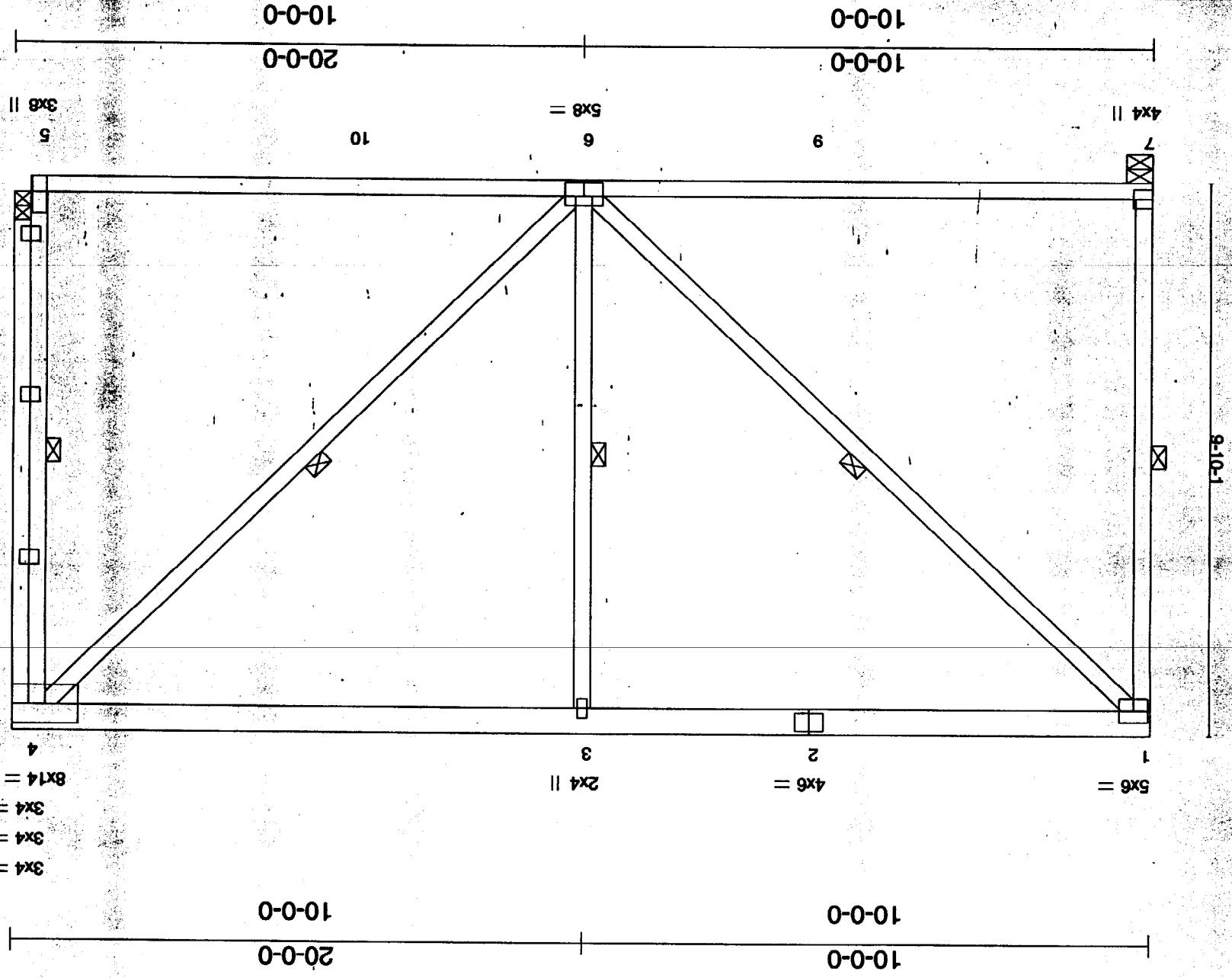


Plate Gases (L.V): [60-40-3-0]  
 Continued on page 2

Scale = 1:31.2

LOADING (kn)	SPACING	2-0-0	CSI	DEFL	h	(kn)	UdL	LD	PLATES	GRP
TCLL 42.0	Plate Increase	1.15	TC 0.78	Vert(L)	-0.24	6-7	>980	240	M20	107/144
TCDL 10.0	Lumber Increase	1.15	BC 0.55	Vert(R)	-0.42	6-7	>580	180		
BCDL 0.0	Rap Stress Incr	YES	WB 0.49	Horz(T)	-0.01	8	N/A	N/A		
BCDL 10.0	Code	BOCA/NBS95	(Metric)							

**MEMBERS**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 4 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 1650F 1.5E  
 OTHERS 2 X 4 SPF 1650F 1.5E

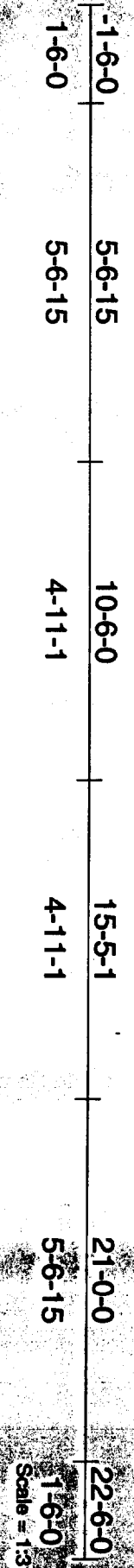
**REACTIONS** (kN) 7=14340/5-8, 8=14470/3-8  
 Max Updft=123(load case 2), 8=127(load case 2)

**FORCES** (lb) - Final Load Case Only  
 TOP CHORD 1-7=1179, 1-2=832, 2-3=832, 3-4=832, 5-6=251, 4-9=1195  
 BOT CHORD 7-8=58, 6-9=58, 5-10=58, 5-10=58  
 WEBS 3-6=1148, 1-6=1073, 4-6=1099

**NOTES**  
 1) Wind: ASCE 7-98; 90mph; 1=SB; TCCL=4.2pcf; BCCL=5.0pcf; Category II; Exp C; endsoed;MWFPS interior zone; cantilever left and right exposed Lumber DCL=1.80 plate grp DCL=1.80.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Provide adequate drainage to prevent water ponding.  
 4) This truss has been designed for a live load of 20 psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 5) Beaming at joint(s) 8 considers parallel to grain values using ANS/TF1-1-1985 angle to grain formula. Building developer should verify capacity of bearing surface.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb upft at joint 7 and 127 lb upft at joint 8.  
 LOAD CASE(S) Standard

**BRACING**  
 TOP CHORD Sheathed or 6-0-0 oc purlins, except end vertical.  
 BOT CHORD Plyd ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 1-7, 4-5, 3-6, 1-6, 4-6

Job	Truss	Truss Type	Qty	Qty	DESIGNATOR
A281388	015	STRAPPED GABLE	1	1	
Wood Structure, Bidford, ME 04005, Mitek Industries, Inc.					
Job Reference (optional) 5,100 s May 30 2003 Mitek Industries, Inc. Mon Jun 23 08:31:31 2003 Page 1					



2 X 4 STRAPPING 24' OC APPLIED TO FACE OF TRUSS

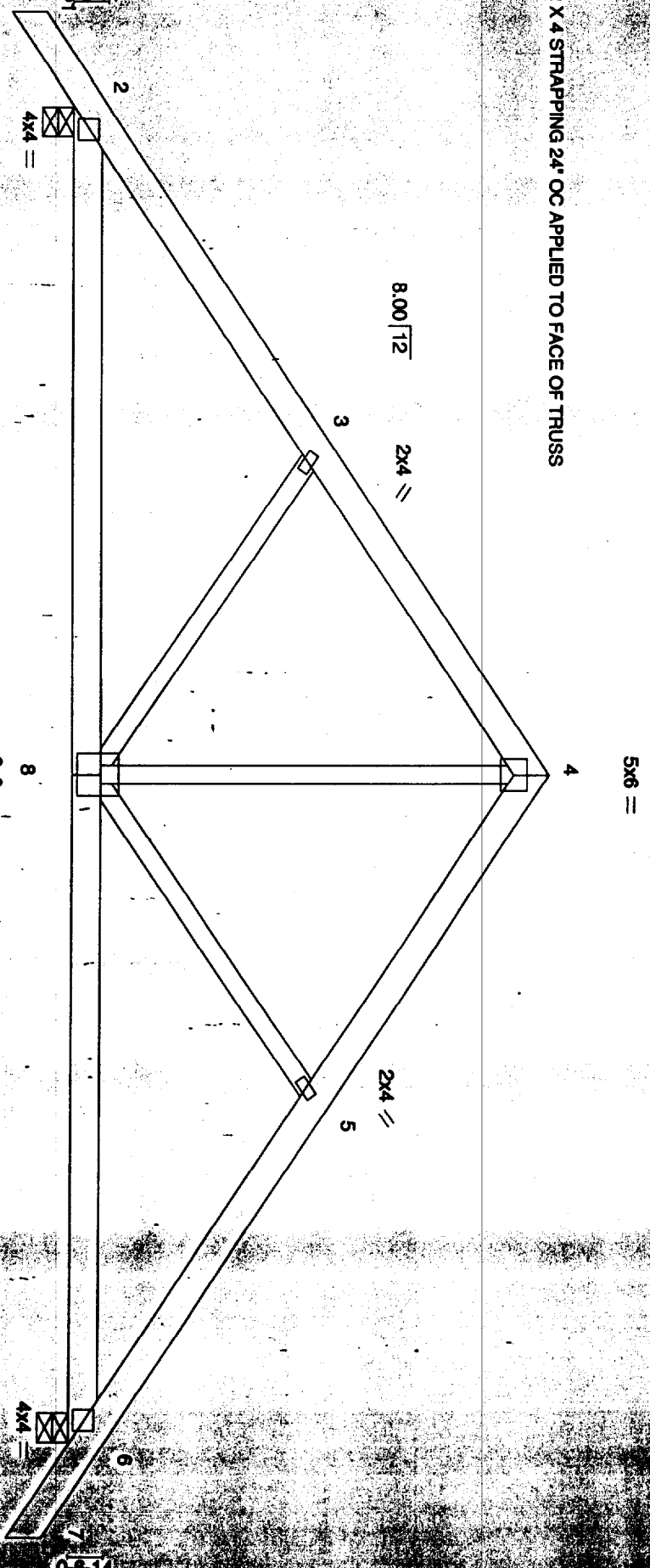


Plate Details (N.Y.): [2-0-1-12-0-2-0], [8-0-1-12-0-2-0], [8-0-4-0-4-8]  
Continued on page 2



Job	Truss	015	STRAPPED GABLE	Qty	1	Py	1	DEERING/DARANO	Job Reference (optional)
4261368									

Wood Structures, Biddeford, ME 04005, MITTAK Industries, Inc.

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LOADING (per)	SPACING	2-0-0	CSI	TC	0.23	DEFL	in (loc)	Wdth	L/A	240	PLATES	MM20	Weight: 108 lb
1.15	Plates increase	1.15	TC	0.23	0.04	Vert(L)	8	> 899	240	169/123	GRP		
10.0	Lumber increase	1.15	BC	0.31	-0.10	Vert(TL)	2-8	> 899	180				
0.0	Rep Stress Incr	YES	WB	0.50	0.03	Horz(TL)	6	N/A	N/A				
10.0	Code	BOCA/NBS195	(Simplified)										
10.0	BCLL	0.0											
10.0	TCLL	10.0											
10.0	BCLL	0.0											
10.0	BCLL	0.0											

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 6 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 5 SUD

**BRACING**  
 TOP CHORD Sheathed or 6-0-0 cc purlin.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 cc bracing.

**REACTIONS (k/size)** 6=1453/0-5-8, 2=1453/0-5-8  
 Max Horiz=158(load case 6)  
 Max L/1000=158(load case 7), 2=158(load case 8)

**FORCES (k)** - First Load Case Only  
 TOP CHORD 1-2=43, 2-3=1561, 3-4=1112, 4-5=1112, 5-6=1561, 6-7=43  
 BOT CHORD 2-8=1273, 6-9=1273  
 WEBS 3-8=427, 4-8=701, 5-8=427

**NOTES**  
 (1) Wind: ASCE 7-96; 90mpht; h=35ft; TCCL=4.2psf; BCCL=5.0psf; Category II; Exp C; enclosed/MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.60 plate grp DCL=1.60.  
 (2) Design load is based on 42.0 psf specified roof snow load.  
 (3) Unbalanced snow loads have been considered for this design.  
 (4) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 (5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 6 and 158 lb uplift at joint 2.  
 (6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 6 and 158 lb uplift at joint 2.  
 LOAD CASE(S) Standard

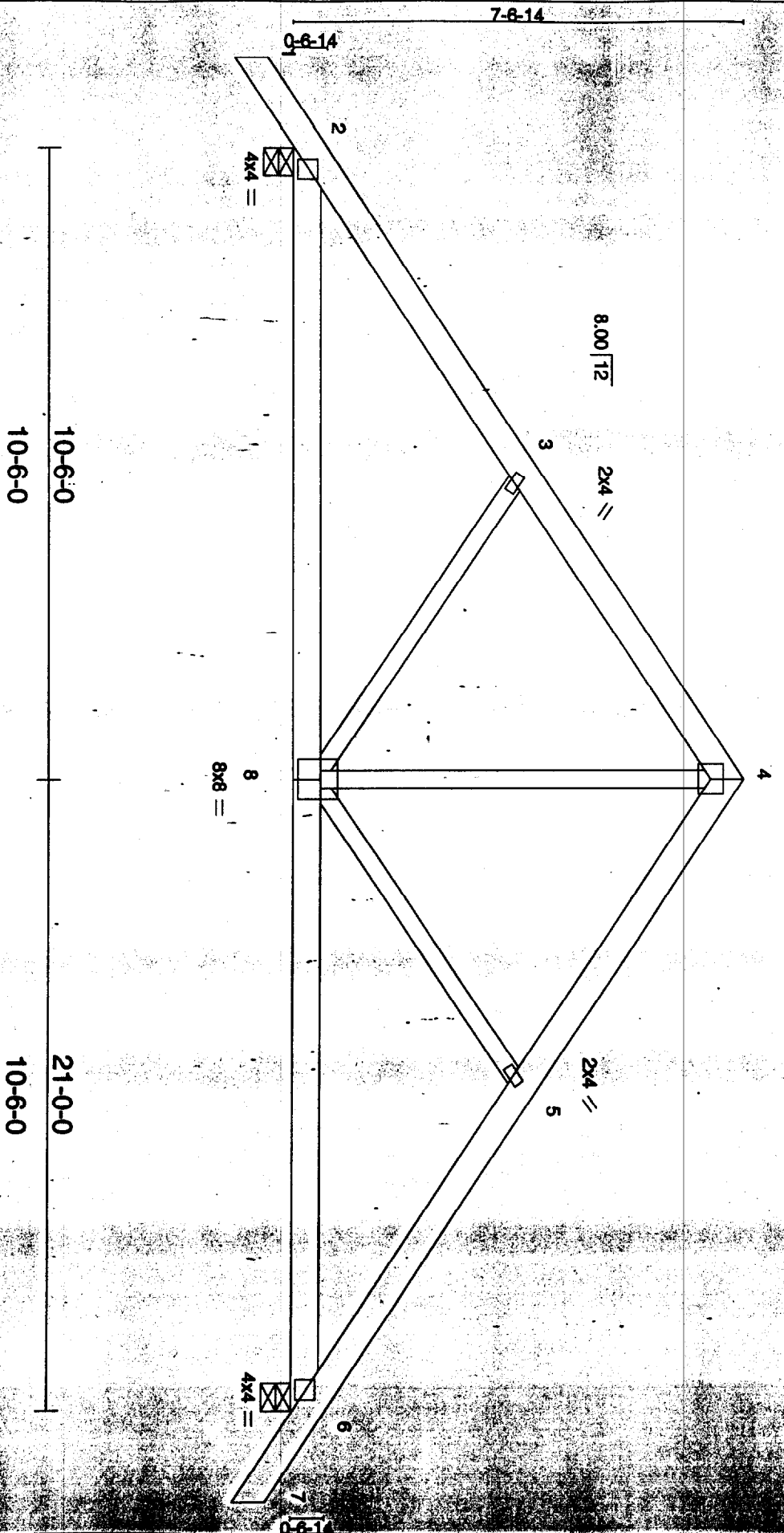
Job	Truss	Truss Type	Qty	Qty	Py	DESCRIPTION
A281388	016	COMMON	4	1		

Wood Structures, Biddeford, ME 04005; MITTAK Industries, Inc.

Job Reference (optional)  
5,100 s Hwy 30 2003 MITTAK Industries, Inc. Mon Jun 23 08:31:31 2003 Page 1

-1-6-0	5-6-15	10-6-0	15-5-1	21-0-0	22-6-0
1-6-0	5-6-15	4-11-1	4-11-1	5-6-15	1-6-0

Scale = 1:31.1



File Origin (X,Y): [20-1-12-0-2-0], [60-1-12-0-2-0], [80-4-0-4-0]  
Continued on page 2



LOADING (kn)	SPACING	2-0-0	CSI	TC	0.23	DEFL	In	(kn)	Wdth	L/d	PLATES	GRIP
TCOL 42.0	Plate Increase	1.15	TC	0.23	Vert(TL)	-0.04	8	>899	240	180	M&20	160/123
TCOL 10.0	Lumber Increase	1.15	BC	0.31	Vert(TL)	-0.10	2-8	>899	180	180		
BCOL 0.0	Hap Stress Incr	YES	WB	0.50	Horz(TL)	0.03	6	N/A	N/A	N/A		
BCOL 10.0	Code	BOCA/NBS95	(Simplified)								Weight: 105 lb	

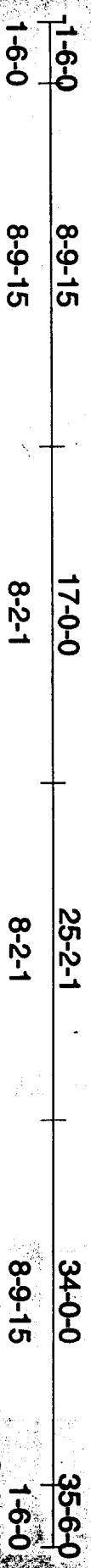
**MEMBERS**  
 TOP CHORD 2 X 6 SPS 1650F 1.5E  
 BOT CHORD 2 X 6 SPS 1650F 1.5E  
 WEBS 2 X 4 SPS S Stud

**REACTIONS (kips)** 6-14S30-5-8, 2-14S30-5-8  
 Max Horiz 2-14S30-5-8  
 Max Uprite 1-5S10-5-8, 2-14S30-5-8

**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-2-43, 2-3-1561, 3-4-1112, 4-5-1112, 5-6-1561, 6-7-43  
 BOT CHORD 2-8-1273, 6-8-1273  
 WEBS 3-9-427, 4-9-701, 5-9-427

**NOTES**  
 1) Wind: ASCE 7-98; Omgrt; In-Sgt; TCOL=4.29ft; BCOL=5.09ft; Category II; Exp C; endoed;M/WFRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.  
 2) Design loads based on 42.0 psf specified roof snow load.  
 3) Unbalanced snow loads have been considered for the design.  
 4) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 6 and 158 lb uplift at joint 2.  
**LOAD CASE(S)** Standard





2 X 4 STRAPPING 24" OC APPLIED TO FACE OF TRUSS 8.00 12

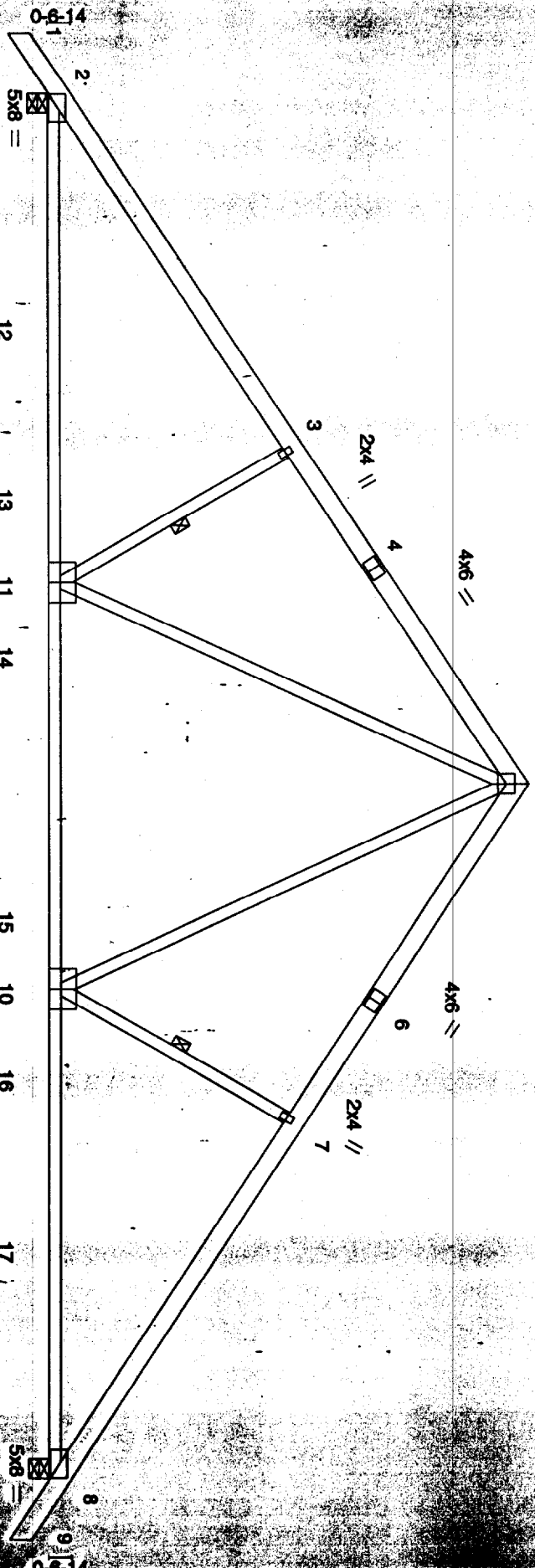


Plate Details (X,Y): [2-0-0-3:Edge], [8-0-0-3:Edge]  
Continued on page 2

Scale: 1/4"=1'

LOADING (pcf)	SPACING	CSI	DEFL	h	h (oc)	Mod	Ld	PLATES	GRP
TCLL 42.0	Plates Increase 1.15	TC 0.72	Vent(L) -0.42	2-11	>405	240		W20	100/123
TCOL 10.0	Lumber Increase 1.15	BC 0.88	Vent(T) -0.75	2-11	>539	180		W20-H	127/83
BCOL 0.0	Rep Stress Incr YES	WB 0.49	Horz(TL) 0.10	8	N/A	N/A			
BCDL 10.0	Code BOCA/ANSI95	(Metal)							Weight: 100 lb

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 4 SPF 2100F 1.8E  
 WEBS 2 X 4 SPF-S Stud "Except"  
 W2 2 X 4 SPF 1650F 1.5E, W3 2 X 4 SPF 1650F 1.5E

**BRACING**  
 TOP CHORD Sheathed or 3-11-6 oc purlin.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midpt 3-11, 7-10

**REACTIONS (k/ft2)** 2-2559/0-5-8, 8-2559/0-5-8  
 Max Horz=2-309(load case 5)  
 Max Uplift=215(load case 6), 8-215(load case 7)

**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-2-79, 2-3-3414, 3-4-3030, 4-5-2777, 6-7-3030, 7-8-3414, 8-9-79  
 BOT CHORD 2-12-2872, 12-13-2872, 11-12-2872, 11-14-1817, 14-15-1817, 10-15-1817, 10-16-2872, 16-17-2872, 8-17-2872  
 WEBS 3-11=748, 5-11=1237, 5-10=1237, 7-10=748

**NOTES**  
 1) What ASCE 7-98: 90mpt: I=SSC; TCDL=4.2pcf; BCOL=5.0pcf; Category II; Exp C; enclosed/W/W/F/S interior zone; cantilever left and right exposed; Lumber DOL=1.80 plate grip DOL=1.80.  
 2) Design load is based on 42.0 pcf specified roof snow load.  
 3) Unbalanced snow loads have been considered for this design.  
 4) All plates are W20 plates unless otherwise indicated.  
 5) \* This truss has been designed for a live load of 20 pcf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 2 and 215 lb uplift at joint 8.  
 LOAD CASE(S) Standard

Job	Truss	018	WOOD STRUCTURES, EDDFORD, ME 04005, MITTEK INDUSTRIES, INC.
A261368	ROOF TRUSS	2	DEERING/DARADNO
		1	Job Reference (optional)

5:100 & May 30 2003 MITTEK INDUSTRIES, INC. Mon Jun 23 08:31:32 2003 Page 1

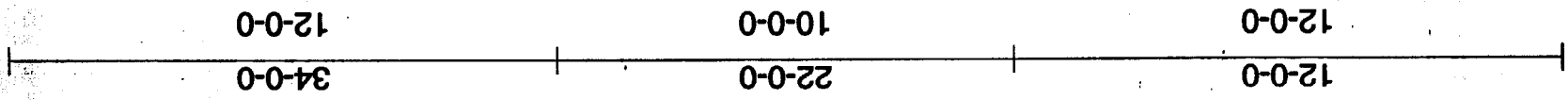
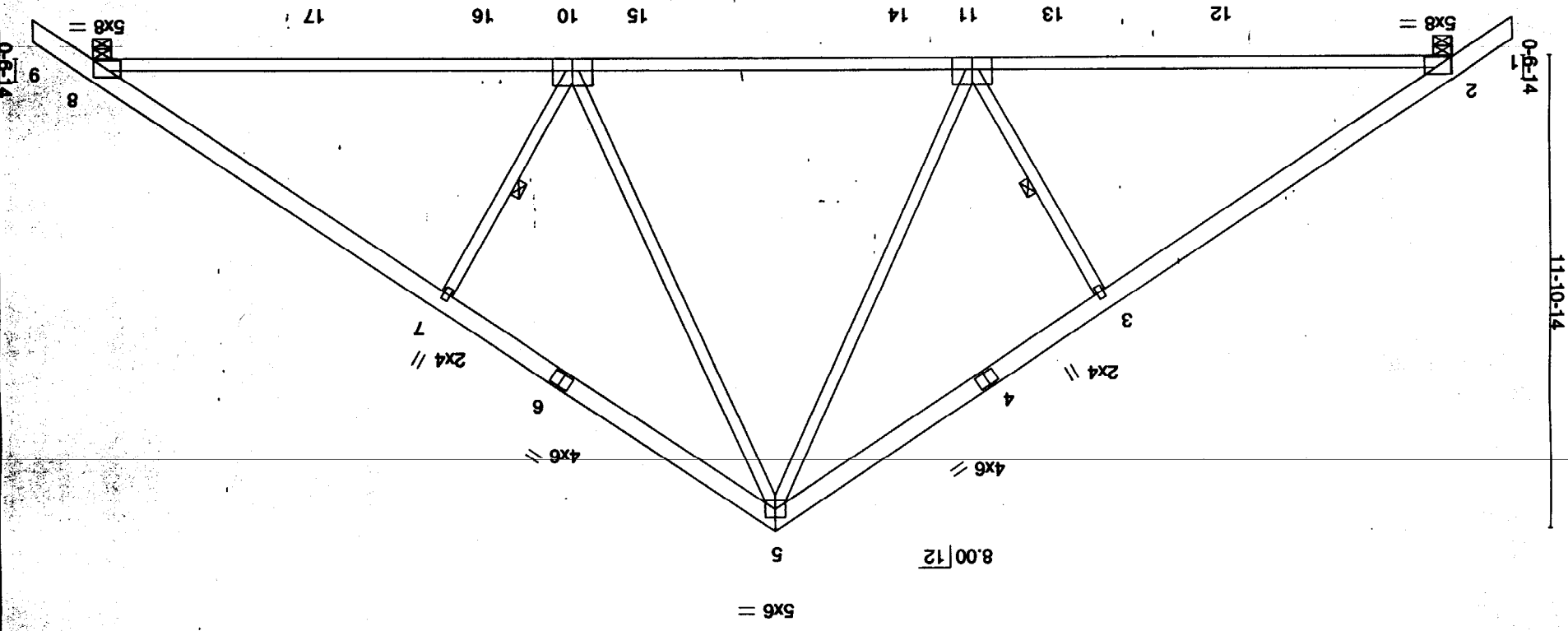
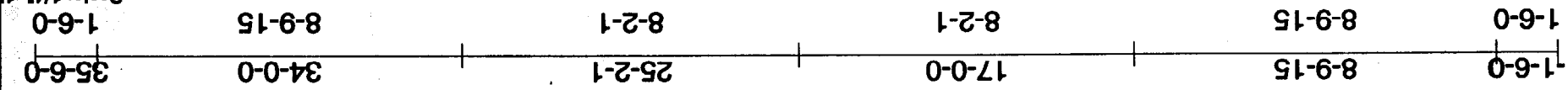


PLATE OFFSETS (X,Y): [20-0-3,Edge], [8-0-0-3,Edge]  
Continued on page 2

Job	Truss	Truss Type	Qty	Ply	DEERING/GARDINO
A261366	018	ROOF TRUSS	2	1	

Wood Structures, Bickford, ME 04005, MITek Industries, Inc. Job Reference (optional) 5,100 s May 30 2003 MITek Industries, Inc. Mon Jun 23 08:31:32 2003 Page 2

LOADING (psf)	SPACING	2-0-0	CS1	DEFL	h	h (oc)	WALL	L/D	PLATES	GRP
TCLL 42.0	Plate Increase	1.15	TC 0.72	Vert(L)	0.42	8-10	>808	240	MW20	168/123
TCDL 10.0	Lumber Increase	1.15	BC 0.98	Vert(R)	0.75	8-10	>839	180	MW20-H	127/83
BCLL 0.0	Req Stress Incr	YES	WB 0.48	Horz(TL)	0.10	8	n/a	n/a		
BCOL 10.0	Code	BOC/MANS85	(Metric)							Weight: 160 lb

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 4 SPF 2100F 1.5E  
 WEBS 2 X 4 SPF-S Suld "Exempt"  
 W2 2 X 4 SPF 1650F 1.5E, W3 2 X 4 SPF 1650F 1.5E

**BRACING**  
 TOP CHORD Straight or 3-11-8 oc purlin.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 WEBS 1 Row at midx 3-11, 7-10

**REACTIONS (k/ft2)** 2-2=259/0-5-8, 8-2=259/0-5-8  
 Max Horz2=308(load case 4)  
 Max Updt2=215(load case 6), 8=215(load case 7)

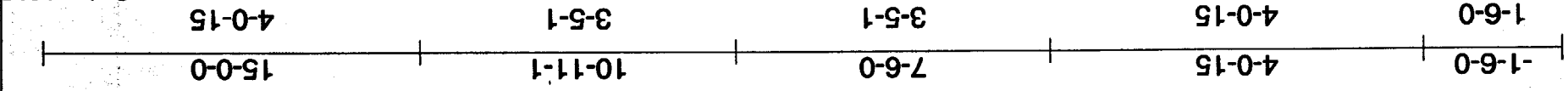
**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-2=78, 2-3=3414, 3-4=3030, 4-5=2777, 5-6=2777, 6-7=3030, 7-8=3414, 8-9=79  
 BOT CHORD 2-12=2672, 12-13=2672, 11-13=2672, 11-14=1817, 14-15=1817, 10-15=1817, 10-16=2672, 16-17=2672, 8-17=2672  
 WEBS 5-11=748, 5-11=1237, 5-10=1237, 7-10=748

- NOTES**
- 1) Wind: ASCE 7-02; 90mpt; In=30ft; TCDL=2psf; BCCL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.80 plate grip DCL=1.80.
  - 2) Design load is based on 42.0 psf specified roof snow load.
  - 3) Unshored snow loads have been considered for this design.
  - 4) All plates are MW20 plates unless otherwise indicated.
  - 5) The truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 2 and 215 lb uplift at joint 8.
- LOAD CASE(S)** Standard

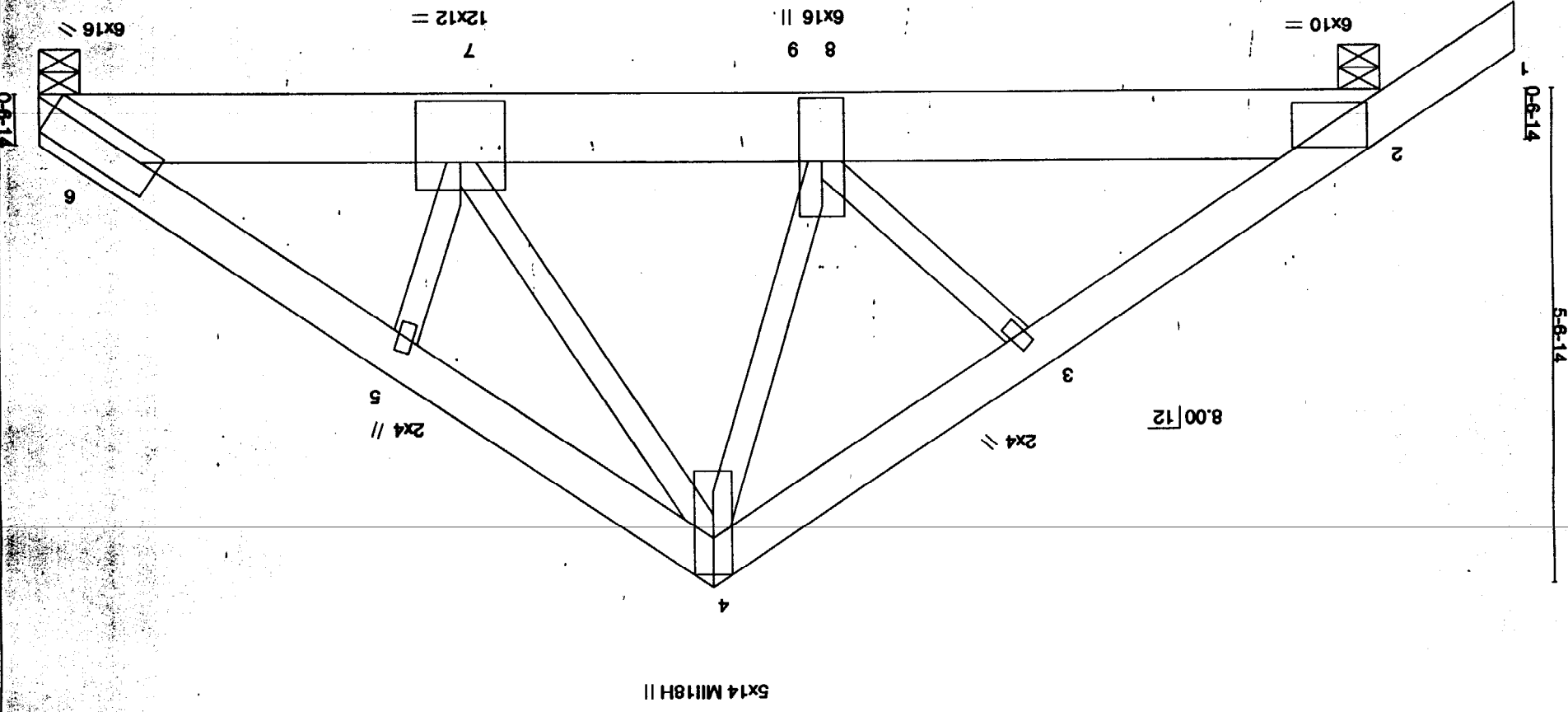
Job	Truss	100	GRADER	1	DEERING/DARANO
AS21368				Qty	Job Reference (optional)
				2	

Wood Structures, Biddford, ME 04005, MITTEK Industries, Inc.

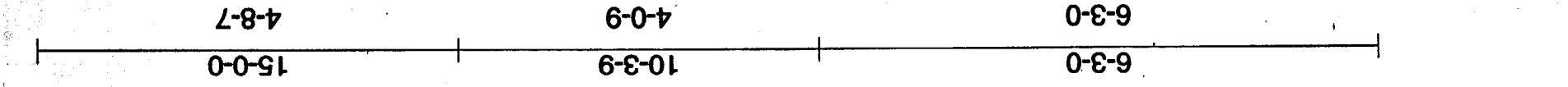
5:100 s May 30 2003 MITTEK Industries, Inc. Mon Jun 23 08:31:32 2003 Page 1



Scale = 1:21.5



Plot Offset (X,Y): (6:Edge,0-3-15), (7:0-0-0-4), (8:0-0-0-0) Continued on page 2



Job	Truss Type	Truss	Qty	Qty	Truss Type	Job Reference (optional)
A281368	100	100	1	1	GRIDER	2
Wood Structures, Biddeford, ME 04005, Mittek Industries, Inc.						
5,100 s May 30 2003 Mittek Industries, Inc. Mon Jun 23 08:31:32 2003 Page 2						

LOADING (psf)	SPACING	CS1	DEFL	IN (occ)	Wdth	Ld	PLATES	GRP
2-0-0	2-0-0	0.53	Vert(LL)	-0.15	7-6	> 999	MRT20	109/123
1.15	Plate Increase	0.59	Vert(TL)	-0.21	7-8	> 842	MRT18H	141/138
1.15	Lumber Increase	0.98	Horz(TL)	0.04	6	NA		Weight: 229 lb
10.0	Rep Stress Incr	NO						
10.0	BCLL							
10.0	BCDL							

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 10 SYP M 23  
 WEBS 2 X 4 SPF-S Stud - Except  
 W2 2 X 4 SYP No.2, W3 2 X 4 SYP No.2

**REACTIONS (k/ft/ft)** 6=11450/0-5-8, 2=7855/0-5-8  
 Max Horz 2=152(1oad case 5)  
 Max Lmt 6=1144(1oad case 7), 2=832(1oad case 6)  
 Max Grw 6=13208(1oad case 3), 2=9000(1oad case 2)

**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-2-98, 2-3-12906, 3-4-12730, 4-5-14369, 5-6-14624  
 BOT CHORD 2-8-10461, 6-9-8567, 7-8-8567, 6-7-11959  
 WEBS 3-8-252, 4-8-8379, 4-7-8049, 5-7-175

**NOTES**  
 (1) Special connection required to distribute bottom chord loads equally between all plates.  
 (2) 2-ply truss to be connected together with 10d Common(1.45"x3") Nails as follows:  
 Top chords connected as follows: 2 X 6 - 2 rows at 0-8-0 oc.  
 Bottom chords connected as follows: 2 X 10 - 4 rows at 0-4-0 oc.  
 Webs connected as follows: 2 X 4 - 1 row at 0-8-0 oc.  
 (3) Wind: ASCE 7-98; 90mph; h=35ft; TCDF=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.60 plate grp DCL=1.60.  
 (4) Design load is based on 42.0 psf specified roof snow load.  
 (5) All plates are MR20 unless otherwise indicated.  
 (6) This truss has been designed for a live load of 20.0 psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 (7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1144 lb uplift at joint 6 and 832 lb uplift at joint 2.  
 (8) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7366.98b down and 646.28b up at 6-3-0 on bottom chord. The designation of such special connection device(s) is the responsibility of others.

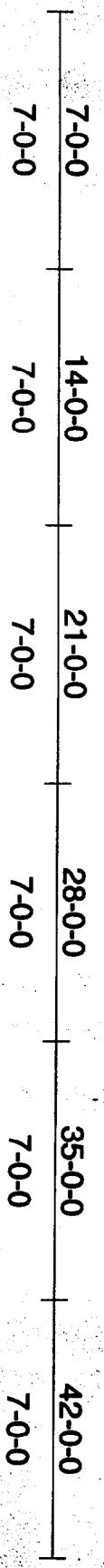
**LOAD CASE(S):** Standard  
 (1) Snow: Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (psf)  
 Vert: 1-4-104.0, 4-8-104.0, 2-8-20.0, 6-9-1380.0  
 Concentrated Loads (lb)  
 Vert: 8-6300.0

**BRACING**  
 TOP CHORD Sheathed or 4-0-13 cc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 cc bracing.

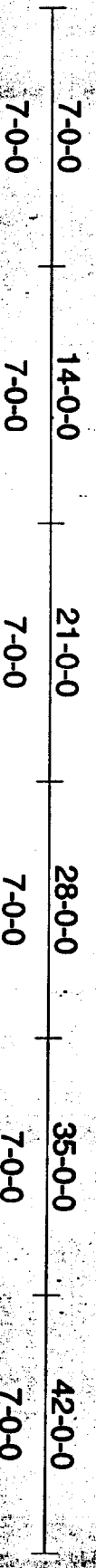
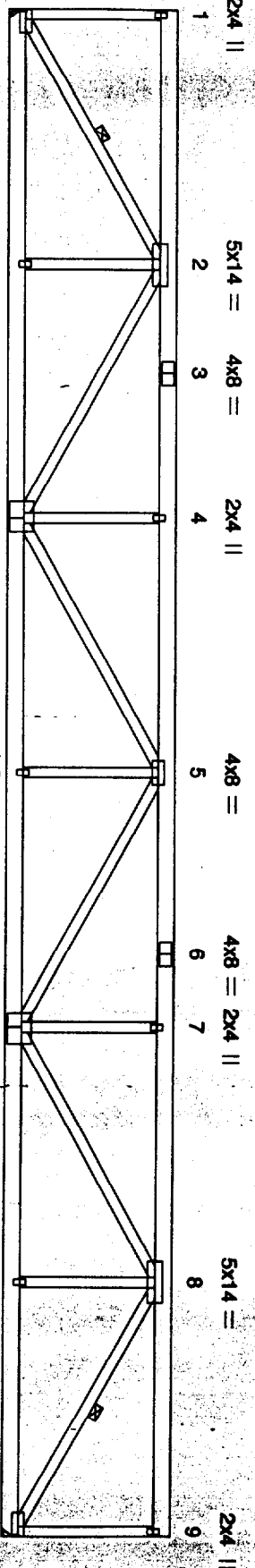
Job	Truss	Truss Type	Qty	Qty	DEERING/DARANO
A261366	101	GIRDER	1	2	

Wood Structures, Bedford, NH 04005, MITTAK Industries, Inc.

Job Reference (optional)  
5.100 s May 30 2003 MITTAK Industries, Inc. Mon Jun 23 08:31:32 2003 Page 1



Scale = 1:57.3



Please Order (X,Y) [120-4-8.0-4-12], [120-4-8.0-4-12]  
Continued on page 2



Job	Truss	101	GRIDER	1	Qty	1	City	PLY	2	Job Reference (optional)	DEERING/DARANO
A281368											

Wood Structures, Biddeford, ME 04005, MITek Industries, Inc.

5,100 # May 30 2003 MITek Industries, Inc. Mon Jun 23 08:31:32 2003 Page 2

LOADING (psf)	SPACING	2-0-0
TOTL	Plates Increase	1.15
TCOL	Lumber Increase	1.15
TCOL	Rep Stress Incr	NO
BCOL	Code	BOCA/NBS95
BCOL	(Simplified)	
	CS#	
	TC	0.50
	BC	0.79
	WB	0.85
	DEFL	
	in (loc)	Wdth
	L/d	
	>809	
	>809	
	13-14	
	-0.58	
	Vert(LL)	
	0.86	
	13-14	
	>583	
	180	
	n/a	
	n/a	
	10	
	0.19	
	n/a	
	n/a	
	Weight: 502 lb	
	GRP	
	169/123	
	MISO	
	127/83	
	MISOH	
	PLATES	

**BRACING**  
 TOP CHORD Sheathed or 4-7-12 cc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 cc bracing.  
 WEBS 1 Row at midpt 2-16, 8-10

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 6 SPF M 23  
 WEBS 2 X 4 SPS Stud "Except"  
 W2 2 X 4 SPF 1650F 1.5E, W4 2 X 4 SPF 1650F 1.5E, W6 2 X 4 SPF 1650F 1.5E, W8 2 X 4 SPF 1650F 1.5E, W10 2 X 4 SPF 1650F 1.5E, W12 2 X 4 SPF 1650F 1.5E

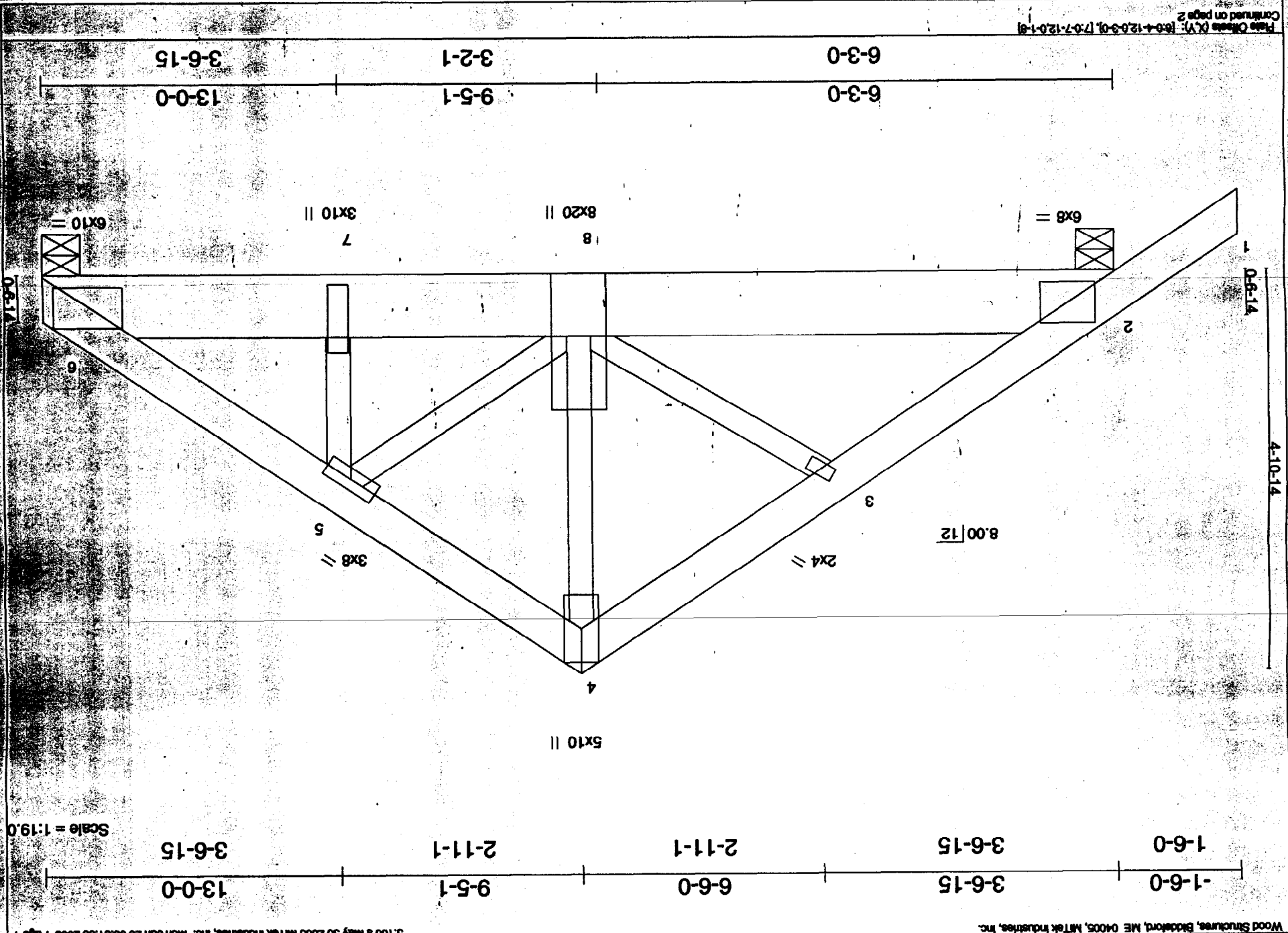
**REACTIONS** (kips) 16=6340Mechanical, 10=6340Mechanical  
 Max Uplift=650(rod case 2), 10=650(rod case 2)

**FORCES** (lb) - First Load Case Only  
 TOP CHORD 1-16=356, 1-2=0, 2-9=13973, 3-4=13973, 4-5=13973, 5-6=13973, 6-7=13973, 7-8=13973, 8-9=0, 9-10=356  
 BOT CHORD 15-16=8650, 12-13=15747, 11-12=8650, 10-11=8650  
 WEBS 2-16=10144, 2-15=1385, 2-14=8206, 4-14=728, 5-14=2069, 5-13=1400, 5-12=2089, 7-12=728, 8-12=8206, 8-11=1385, 8-10=10144

**NOTES**  
 1) 2-ply truss to be connected together with 10d Common (148'x3") Nails as follows:  
 Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 cc, 2 X 8 - 2 rows at 0-9-0 cc.  
 Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 cc.

2) Wind: ASCE 7-98; 90mph; TCOL=4.2psf; BCOL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.50 plate grp DOL=1.50.  
 3) Design load is based on 42.0 psf specified roof snow load.  
 4) Provide adequate drainage to prevent water ponding.  
 5) All plates are MISO plates unless otherwise indicated.  
 6) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-0 between the bottom chord and any other members.  
 7) Refer to girder(s) for truss to truss connections.  
 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 650 lb uplift at joint 16 and 650 lb uplift at joint 10.

**LOAD CASE(S)** Standard  
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (psf)  
 Vert: 1-9=104.0, 10-16=200.0



Scale = 1:19.0

Job	Truss	Truss Type	Qty	Qty	DERING/DARNO
A261366	102	GARDER	1	2	
Wood Structures, Biddeford, ME 04005, MITTEK Industries, Inc.					
5.100 a May 30 2003 MITTEK Industries, Inc. Mon Jun 23 08:31:33 2003 Page 1					

LOADING (pcf)	SPACING	2-0-0	CS#	DEFL	h	(ft)	Wdth	Ltd	PLATES	GRP
TOTL 42.0	Plates Increase	1.15	TC 0.29	Vert(TL)	-0.10	7-8	>999	240	M120	169/123
TCDL 10.0	Lumber Increase	1.15	BC 0.82	Vert(TL)	-0.14	7-8	>999	190		
BOLL 0.0	Rep Stress Incr	NO	WB 0.66	Horz(TL)	0.03	6	N/A	N/A		
BODL 10.0	Code	BOCM/ANS95	(Sampled)						Weight: 193 lb	

**LUMBER**  
 TOP CHORD 2 X 6 SPF 169F 1.5E  
 BOT CHORD 2 X 10 SYP M 23  
 WEBS 2 X 4 SPF-S Stud "Except"  
 W2 2 X 4 SPF 2100F 1.8E, W4 2 X 4 SYP No.2

**REACTIONS (kips)**  
 Max Horz=134(k/rod case 5)  
 Max Uprft=1033(k/rod case 7), 2=666(k/rod case 6)  
 Max Grv=11908(k/rod case 3), 2=7137(k/rod case 2)

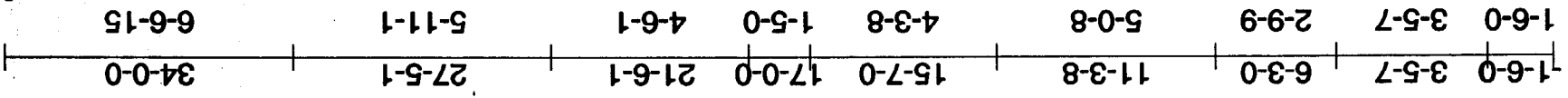
**FORCES (lb) - First Load Case Only**  
 TOP CHORD 1-9=48, 2-9=10298, 3-4=10067, 4-5=10067, 5-6=13857  
 BOT CHORD 2-9=9498, 7-9=11427, 6-7=11427  
 WEBS 3-9=135, 4-9=10953, 5-9=3990, 5-7=4327

**NOTES**  
 1) Special connection required to distribute bottom chord loads equally between all piles.  
 2) 2-ply truss to be connected together with 10d Common(148"23") Nails as follows:  
 Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.  
 Bottom chords connected as follows: 2 X 10 - 4 rows at 0-4-0 oc.  
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.  
 3) Wind: ASCE 7-98; 90mph; TC=1.4; 2psf; BODL=5.0psf; Category II; Exp C; endoed;WFRS Interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grp DOL=1.60.  
 4) Design load is based on 42.0 pcf specified roof snow load.  
 5) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1033 lb uplift at joint 6 and 699 lb uplift at joint 2.  
 7) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7398.9lb down and 646.2lb up at 6-3-0 on bottom chord. The design/selection of such special connection device(s) is the responsibility of others.

**LOAD CASE(S) Standard**  
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (psf)  
 Vert: 1-4=104.0, 4-9=104.0, 2-9=20.0, 6-9=1390.0  
 Concentrated Loads (lb)  
 Vert: 9=6300.0

Job	Truss	103	Truss Type	GIRDER	1	Qty	DEERING/DARADNO	4	Job Reference (optional)	5.100 s May 30 2003 MITTEK Industries, Inc. Mon Jun 23 08:31:33 2003 Page 1
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Wood Structures, Biddeford, ME 04005, MITTEK Industries, Inc.



Scale: 1/4"=1'

5x14 MILL18H ||

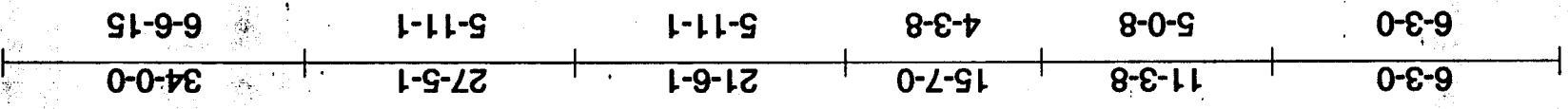
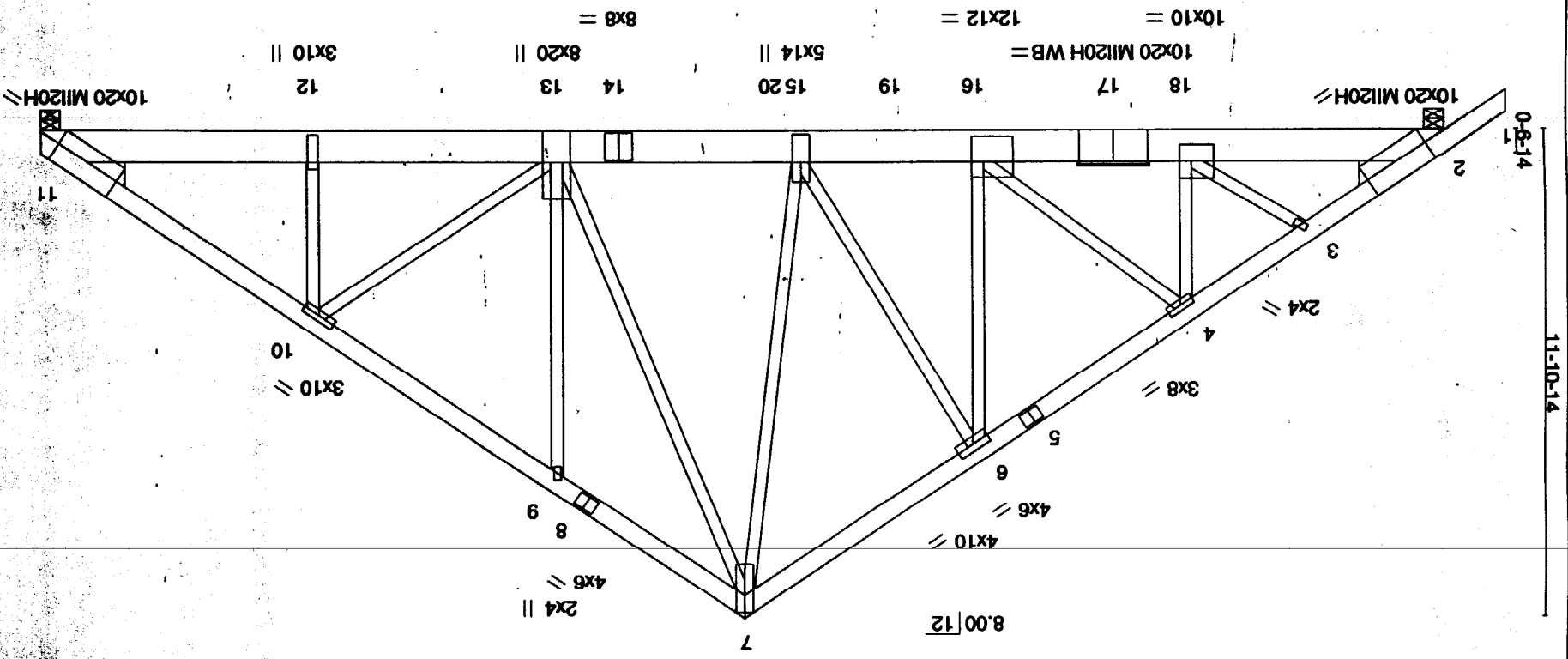


Plate Checks (X.Y): [20-6-4,Edge], [110-6-4,Edge], [120-8-0-0-1-8], [150-8-4-0-2-8], [160-9-8-0-7-8], [170-10-0-Edge], [180-9-8-0-5-0]

Continued on page 2

Job	Truss	103	GIRDER	1	Qty	4	Job Reference (optional)	DEERING/DARADMO
A261368								

Wood Structures, Bickford, ME 04005, Milltek Industries, Inc.

LOADING (psf)	SPACING	2-0-0	CSH	DEFL	in (loc)	Wdth	Ld	PLATES	GRP	168/123	148/106	141/36
TCLL	Plates Increase	1.15	TC	Ver(TL)	-0.42	13-15	>848	MK20				
TCOL	Lumber Increase	1.15	BC	Ver(TL)	-0.55	13-15	>735	MK20H				
BCLL	Rep Stress Incr	NO	WB	Horz(TL)	0.15	11	n/a	M18H				
BCLD	Code BOCA/ANSI85		0.93				n/a	Weight: 1237 lb				

LUMBER	TOP CHORD	2 X 6 SYP M 23	Except	TOP CHORD	Sheathed or 4-3-4 cc pultrus.
TOP CHORD	2 X 6 SYP M 23	1.5E	Except	BOT CHORD	Rigid ceiling directly applied or 10-0-0 cc bracing.
BOT CHORD	2 X 10 SYP M 23				
WEBS	2 X 4 SYP 1650F 1.5E	Except			
WEBS	W1 2 X 4 SYP S Stud, W2 2 X 4 SYP S Stud, W3 2 X 4 SYP S Stud, W6 2 X 4 SYP 2100F 1.8E				
WEDGE	W10 2 X 4 SYP No2				
	Left: 2 X 6 SYP M 23, Right: 2 X 6 SYP M 23				

REACTIONS (kips) 2-24533/0-5-10 (input: 0-5-8), 11-31389/0-7-4 (input: 0-5-8)  
 Max Horz 2-323 (load case 5)  
 Max UpM2-1934 (load case 6), 11-2409 (load case 7)  
 Max Grw2-27319 (load case 2), 11-35044 (load case 3)

FORCES: (b) - First Load Case Only

TOP CHORD 1-2-98, 2-3-41217, 3-4-41475, 4-5-37541, 5-6-37353, 6-7-31981, 7-8-38271, 8-9-38505, 9-10-38903, 10-11-46381  
 BOT CHORD 2-18-38821, 17-18-34605, 16-17-34094, 15-16-31094, 14-15-24018, 13-14-24018, 12-13-38379, 11-12-38379  
 WEBS 3-18-1193, 4-18-4299, 4-19-4517, 6-16-10835, 6-15-8875, 7-15-20730, 7-13-17401, 9-13-103, 10-13-8751, 10-12-10378

NOTES

- 1) Special connection required to distribute bottom chord load equally between all plies.
- 2) 4-ply truss to be connected together with 10d Common (145"x3") Nails as follows:  
 Top chords connected as follows: 2 X 6 - 2 rows at 0-8-0 cc.  
 Bottom chords connected as follows: 2 X 10 - 4 rows at 0-4-0 cc.  
 Webs connected as follows: 2 X 4 - 1 row at 0-8-0 cc.  
 All chords with 1/2 inch diameter bolts (ASTM A-307) with washers at 2-0-0 on center.
- 3) WNG: ASCE 7-98, 90mph; h=39ft; TCOL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grp DOL=1.60.
- 4) Design load is based on 42.0 psf specified roof snow load.
- 5) All plates are MK20 plates unless otherwise indicated.
- 6) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 7) WARNING: Required bearing size at joint(s) 2: 11 greater than input bearing size.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1934 lb uplift at joint 2 and 2408 lb uplift at joint 11.
- 9) Provide hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4389.4lb down and 302.4lb up at 6-3-0, and 6081.5lb down and 418.8lb up at 11-3-6, and 5189.0lb down and 356.7lb up at 15-7-0 on bottom chord. The design/selection of such special connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

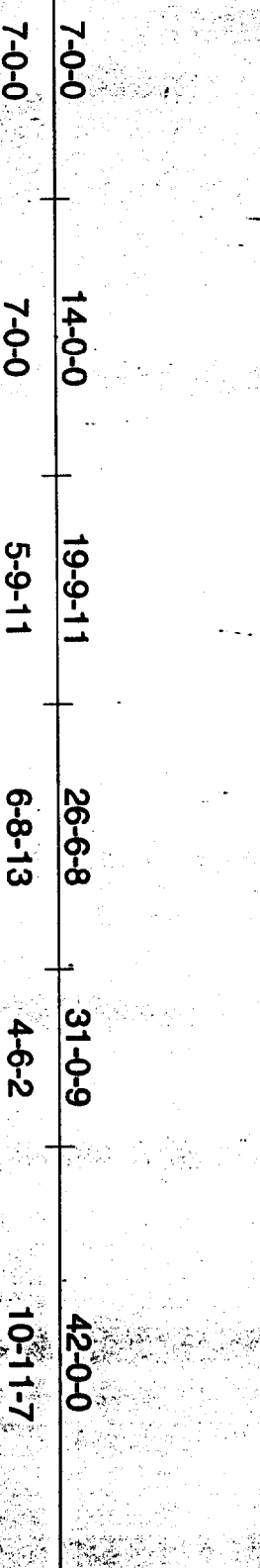
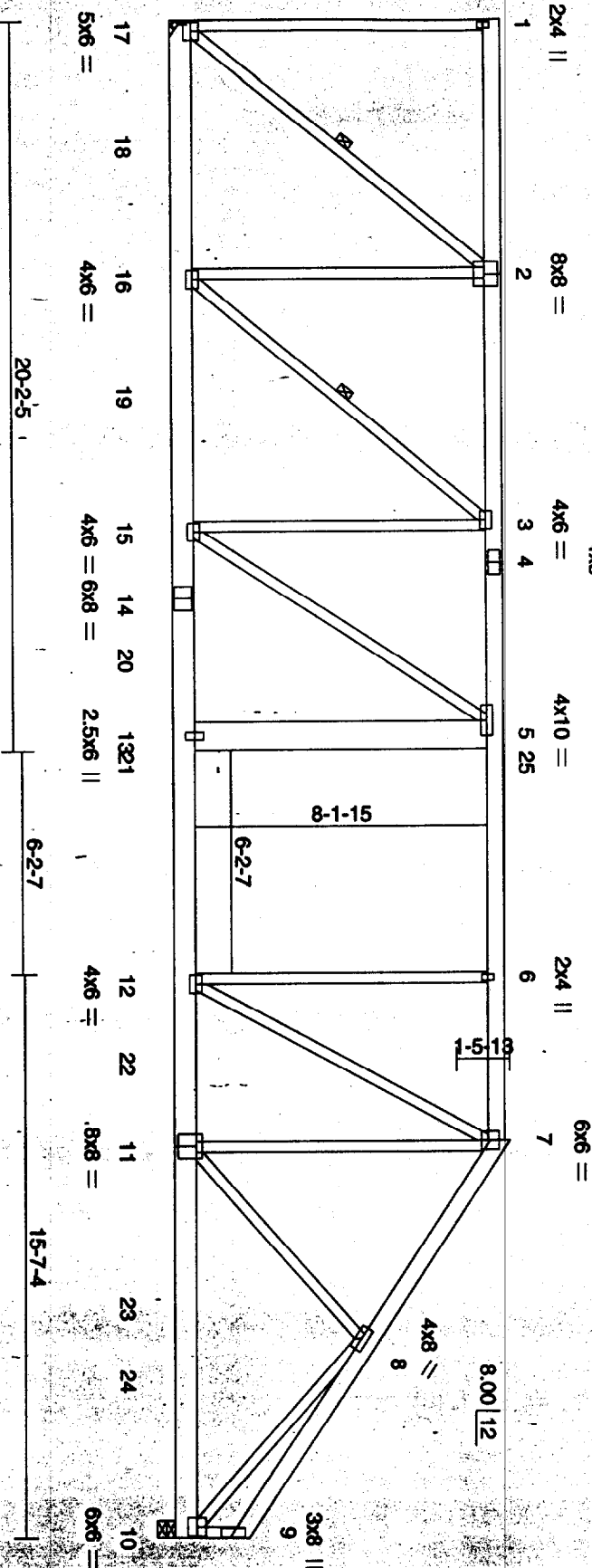
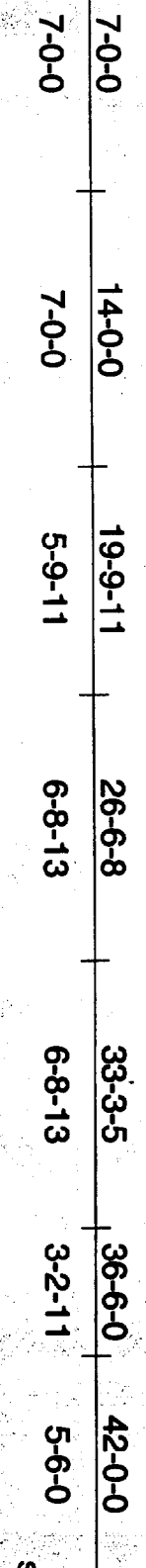
1) Snow; Lumber Increase=1.15; Plate Increase=1.15

Uniform Loads (psf)

Vert: 1-7=104.0, 7-11=104.0, 2-18=20.0, 16-18=720.0, 16-19=780.0, 15-19=720.0, 15-20=1720.0, 14-20=1780.0, 11-14=1720.0

Concentrated Loads (lb)

Vert: 18=3900.0, 16=5400.0, 15=4000.0



Job	Truss	104	GIRDER	1	CIV	DEERING/DARANO	Job Reference (optional)	2
A281388								

Wood Structure, Bidford, ME 04005, MITAK Industries, Inc.

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LOADING (psf)	SPACING	PLATE INCREASE	TC	BC	WB	CS	DEFL	Vert(TL)	Horz(TL)	IDEAL	L/D	PLATES	MISC	GRP	Weight: 701 lb
42.0	2-0-0	1.15	0.69	0.52	0.90	0.69	in (loc)	-0.35	0.08	10	180	197/14			
TCLL		1.15						>899							
TCOL		1.15						>899							
TCDL		1.15						160							
LUMBER															
TOP CHORD	2 X 6 SFP 1650F 1.5E														
BOT CHORD	2 X 8 SYP M 23														
WEBS	2 X 4 SFP 1650F 1.5E "Except"														
	W7 2 X 10 SYP M 23, W13 2 X 4 SFP 2100F 1.8E														

REACTIONS (k/size) 10-5750/0-5-8, 17-4580/Mechanical

Max Horz 17=222(load case 7)  
 Max Ljmt10=346(load case 4), 17=377(load case 4)  
 Max Grw10=6288(load case 3), 17=4815(load case 3)

FORCES (lb) - First Load Case Only

TOP CHORD 7-9--6814, 8-9--1481, 1-2--28, 2-3--3317, 3-4--5866, 4-25--5866, 5-25--5866, 5-6--7016, 6-7--7024, 1-17--307, 9-10--1253  
 BOT CHORD 17-18--3335, 16-18--3335, 16-19--5866, 15-19--5866, 14-15--7016, 14-20--7016, 20-21--7016, 13-21--7016, 12-22--4430, 11-22--5430, 11-23--5263, 23-24--5263, 10-24--5263  
 WEBS 5-13-978, 6-12--1671, 2-16--3377, 3-15--2432, 7-11--273, 2-17--5319, 3-16--4063, 5-15--2071, 7-12--3441, 8-10--5999, 8-11--240

NOTES

- 1) 2-ply truss to be connected together with 10d Common (145"x3") Nails as follows:  
 Top chords connected as follows: 2 X 4 - 1 row at 0-0 oc, 2 X 6 - 2 rows at 0-0 oc.  
 Bottom chords connected as follows: 2 X 8 - 2 rows at 0-0 oc, 2 X 10 - 2 rows at 0-0 oc.
- 2) Wind ASCE 7-98, 50mph; TCOL=4.2psf; BCOL=5.0psf; Category II; Exp C; enclosed/MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grp DOL=1.60.
- 3) Design load is based on 42.0 psf specified roof snow load.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 6) Ceiling dead load (5.0 psf) on member(s), 6-7
- 7) Bottom chord live load (30.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 12-13
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) for truss to bearing plate capable of withstanding 346 lb uplift at joint 10 and 377 lb uplift at joint 17.
- 10) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1692 lb down and 116.3lb up at 19-10-4 on bottom chord. The designation of such special connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

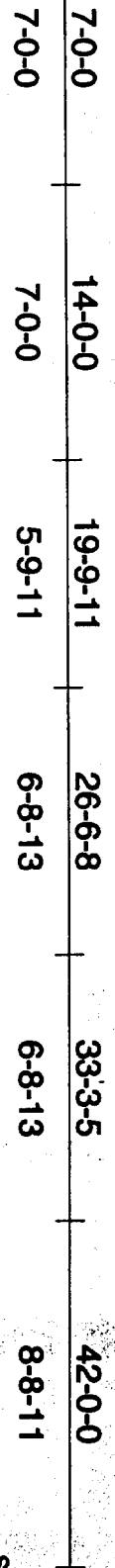
1) SNOW: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (psf)

Vert: 17-18--20.0, 16-18--80.0, 16-19--20.0, 15-19--60.0, 15-20--20.0, 20-21--60.0, 13-21--20.0, 12-13--80.0, 12-22--40.0, 11-22--80.0, 11-23--40.0, 23-24--80.0, 10-24--40.0, 7-9--208.0, 1-25--104.0, 6-25--208.0, 6-7--218.0

Concentrated Loads (lb)

Vert: 19--1500.0



Scale = 1:58.4



Job	Truss	105	GIRDER	1	2	DEERING/DARVANO	Job Reference (optional)
A281388							

Wood Structures, Biddeford, ME 04005, Mitek Industries, Inc.

LOADING (psf)	SPACING	CSI	TC	0.93	DEFL	in (oc)	Wdth	L/D	240	Vert(L)	-0.61	15-17	>223	180	Vert(TL)	-0.79	15-17	>401	180	Wdth	11	n/a	0.09	11	n/a	n/a	
42.0	2'-0"																										
TCLL																											
TCDL																											
BCLL																											
BCLD																											

BRACING	TOP CHORD	Sheathed or 5-2-0 oc purlins, except end verticals.
	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
	WEBS	1 Row at midpt 2-19, 4-18, 9-11

PLATES	MN20	189123
GRP		

LUMBER	TOP CHORD	2 X 6 SPF 1650F 1.5E *Except*
	TOP CHORD	2 X 8 SYP M 23
	BOT CHORD	2 X 8 SYP M 23
	WEBS	2 X 4 SPF-S Stud *Except*
	WEBS	W2 X 10 SYP M 23, W13 2 X 4 SPF 1650F 1.5E, W3 2 X 4 SPF 1650F 1.5E, W2 2 X 4 SPF 1650F 1.5E, W4 2 X 4 SPF 1650F 1.5E, W5 2 X 4 SPF 1650F 1.5E, W6 2 X 4 SPF 1650F 1.5E, W7 2 X 4 SPF 1650F 1.5E, W8 2 X 4 SPF 1650F 1.5E, W9 2 X 4 SPF 1650F 1.5E

**REACTIONS (k/ft)** 14=655/0-5-8, 11=5786/0-5-8, 19=4558/Mechanical

Max Horiz 19=180(load case 7)  
Max Uprtl 14=31(load case 7), 11=380(load case 4), 19=419(load case 4)  
Max Grnvl 14=943(load case 3), 11=832(load case 3), 19=524(load case 3)

**FORCES (lb) - First Load Case Only**

TOP CHORD 8-9=6832, 9-10=1614, 1-2=30, 2-3=4238, 3-4=4238, 4-5=7742, 5-25=7742, 6-25=7742, 6-7=6875, 7-9=6884, 1-19=311, 10-11=1255  
BOT CHORD 19-20=4238, 17-21=7742, 16-17=8875, 15-22=8875, 22-23=8875, 14-15=8875, 14-24=5517, 13-24=5517, 12-13=5517, 11-12=5040  
WEBS 6-15=1275, 7-14=2358, 2-18=3780, 4-17=2604, 8-12=1008, 2-19=6174, 4-18=5084, 6-17=1830, 8-14=5080, 9-11=5831, 9-12=694

**NOTES**

- 2-ply truss to be connected together with 10d Common(148"x3") Nails as follows:  
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.  
Bottom chords connected as follows: 2 X 8 - 3 rows at 0-5-0 oc.  
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 10 - 2 rows at 0-9-0 oc.
- 2) WISC 7-48; girth; h=35ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.80 plate grp DCL=1.80.
- 3) Design load is based on 42.0 psf specified roof snow load.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a live load of 20 psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
- 6) Ceiling dead load (5.0 psf) on members(s). 7-8
- 7) Bottom chord live load (30.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-15
- 8) Refer to girth(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of trusses to bearing plate capable of withstanding 31 lb uprt at joint 14, 389 lb down and 224 lb up at 19-10-4 on bottom chord. The design/selection of such special connection device(s) is the responsibility of others.
- 10) Special hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3271.3lb down and 224.5lb up at 19-10-4 on bottom chord. The design/selection of such special connection device(s) is the responsibility of others.

**LOAD CASE(S) Standard**

1) Snow: Lumber Increase=1.15, Plate Increase=1.15

**Uniform Loads (psf)**

Vert: 19-20=20.0, 18-20=20.0, 18-21=20.0, 17-21=20.0, 17-22=20.0, 22-23=20.0, 15-23=20.0, 14-15=20.0, 14-24=20.0, 12-24=20.0, 11-12=20.0, 8-10=208.0, 1-25=104.0, 7-25=208.0, 7-9=218.0

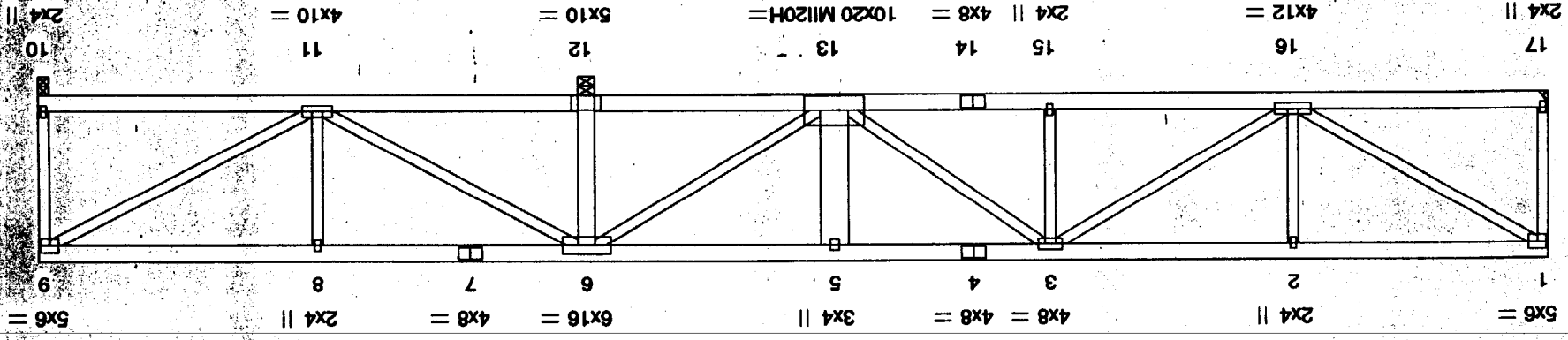
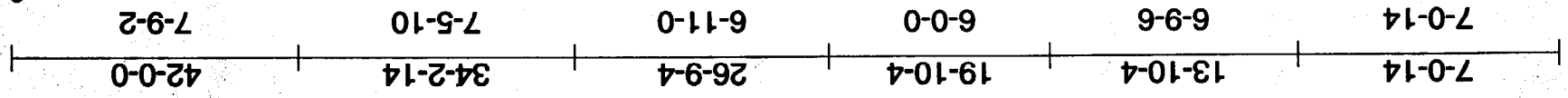
**Concentrated Loads (lb)**

Vert: 15=2900.0

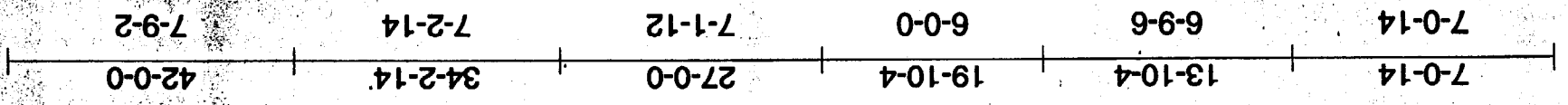
Job	Truss	Truss Type	Qty	Qty	DEERING/DARADNO
A261366	106	GIRDER	1	1	
					2
					Job Reference (optional)

Wood Structures, Biddeford, ME 04005, Mittek Industries, Inc.

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47'-14"



Continued on page 2

Scale = 1:57.3

LOADING (psf)	SPACING	2-0-0	CS#	TC	BC	WB	0.72	DEFL	VERT(L)	VERT(R)	HEZ(TL)	HEZ(TR)	IN (OC)	WELL	L4	L4	PLATES	MEZO	MEDH	GRWP
TCLL 42.0	Plates Increase	1.15	TC	0.64				in (oc)	-0.18	15-16	> 888	240					169/123			148/108
TCDL 10.0	Lumber Increase	1.15	BC	0.80					-0.28	15-16	> 888	180								
BCLL 0.0	Rep Stress Incr	NO	WB	0.72					0.03	12	NA	NA								
BCDL 10.0	Code	BOCA/MNSES	(Sampled)																	

**LUMBER**  
 TOP CHORD 2 X 6 SPF 1650F 1.5E  
 BOT CHORD 2 X 6 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF 1650F 1.5E "Except"  
 W1 2 X 4 SPF-S Stud, W13 2 X 4 SPF-S Stud, W3 2 X 4 SPF-S Stud, W5 2 X 4 SPF-S Stud  
 W7 2 X 10 STP M 23, W9 2 X 6 SPF 1650F 1.5E, W11 2 X 4 SPF-S Stud

**REACTIONS (k/size)** 17=389C/Mechanical, 10=1389D-3-8, 12=8878D-5-8  
 Max Up=17=389(rod case 2), 10=138(rod case 2), 12=911(rod case 2)

**FORCES (k) - Full Load Case Only**  
 TOP CHORD 1-17=-3202, 1-2=-4069, 2-3=-4069, 3-4=-4220, 4-5=-4220, 6-7=-365, 7-8=-365, 8-9=-365, 9-10=-367  
 BOT CHORD 16-17=0, 15-16=5913, 14-15=5913, 13-14=5913, 12-13=3356, 11-12=3356, 10-11=0  
 WEBS 1-16=5483, 2-16=713, 3-16=1440, 3-15=1278, 3-13=2067, 5-13=672, 6-13=6982, 6-12=7438, 6-11=4288, 8-11=784, 9-11=17

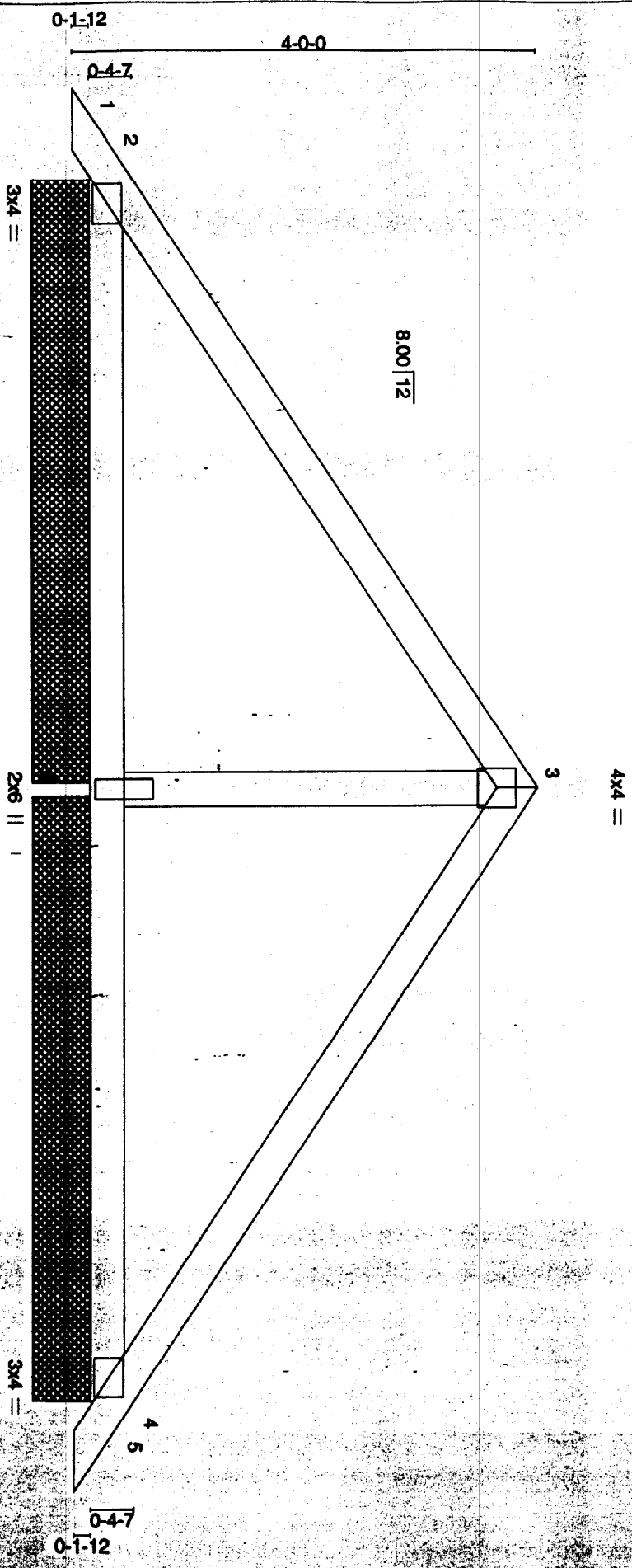
- NOTES**
- 2-ply truss to be connected together with 10d Common, 148x37 Nails as follows:  
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.  
 Bottom chords connected as follows: 2 X 6 - 2 rows at 0-4-0 oc.  
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc, 2 X 10 - 2 rows at 0-9-0 oc.
  - White ASCE 7-98; 9mtr; h=5ft; TCD=42psf; BCDL=5.0psf; Category II; Esp C; endocsect;MNFPS Interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate gfb DOL=1.60.
  - Design load is based on 42.0 psf specified roof snow load.
  - Provide adequate drainage to prevent water ponding.
  - All plates are M20 plates unless otherwise indicated.
  - This truss has been designed for a live load of 20/psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
  - Plates to girth(s) for truss to truss connections.
  - Bearing at joint(s) 12 considers parallel to grain values using ANS/TF1 1-1895 angle to grain formula. Balking designer should verify capacity of bearing surface.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 389 lb uplift at joint 17, 139 lb uplift at joint 10 and 911 lb uplift at joint 12.
  - Special bearing(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1450 lb down and 148,776 up at 18-10-4 on bottom chord. The design/selection of such special connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard  
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (psf)  
 Vert: 14=104.0, 10-17=200.0  
 Concentrated Loads (k)  
 Vert: 13=1450.0

Job	Truss	Truss Type	Qty	Ply	DEERING/DARADNO
A281388	200	TOP	14	1	
Wood Structures, Bedford, ME 04005, MITTAK Industries, Inc.					Job Reference (optional) 5.100 a May/30 2003 MITTAK Industries, Inc. Mon Jun 23 08:31:34 2003 Page 1



Scale = 1:16.4



4x4 =

3x4 =

2x6 =

3x4 =



Continued on page 2

Job	Truss	200	TOP	14	1	DEERING/DARADNO
A281388						Job Reference (optional)
Wood Structures, Biddeford, ME 04005, MITek Industries, Inc. 5,100 s May 30 2003 MITek Industries, Inc. Mon Jun 23 08:31:34 2003 Page 2						

LOADING (psf)	TCLL 42.0	TCDL 10.0	BCLL 0.0	BCDL 10.0
SPACING	2-0-0	Plates Increase 1.15	Rep Stress Incr YES	Code BOCA/ANSI95
CSI	TC 0.53	Vert(TL) n/a	Horz(TL) -0.02	DEFL in (oc)
	WB 0.15	BC 0.12	LC 0.00	4 n/a
			2-6 > 999	180
			n/a	999
			L/D	999
			MI20	100/123
			PLATES	GRP
			Weight: 31 lb	

LUMBER	TOP CHORD 2 X 4 SPF 1650F 1.5E	WEBS 2 X 4 SPFS Stud
BRACING	TOP CHORD Sheathed or 6-0-0 oc purlin.	BOT CHORD Rigid ceiling directly applied or 10-0 oc bracing.

REACTIONS (k/size)	2-44/5-2-0, 4-44/5-2-0, 6-511/5-2-0, 6-511/5-2-0
Max Horiz=85(load case 4)	Max Upr=64(load case 6), 4-73(load case 7), 6-4(load case 8)
Max Grav=491(load case 2), 4-491(load case 3), 6-511(load case 1), 6-511(load case 1)	
FORCES (k) - First Load Case Only	TOP CHORD 1-2-13, 2-3-122, 3-4-122, 4-5-13
WEBS	2-6-101, 4-6-101
WEBS	3-6-407

NOTES

1) Wind ASCE 7-98; 90mph; h=35ft; TCCL=4.2psf; BCCL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DCL=1.60 plate grp DCL=1.60.

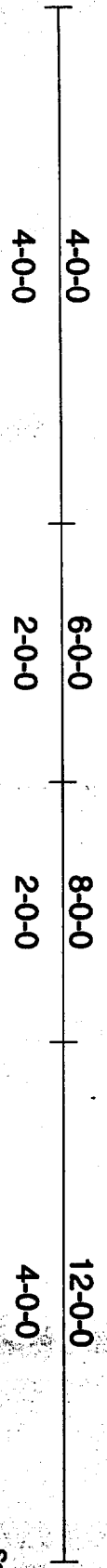
2) Unbalanced snow loads have been considered for this design.

3) Design load is based on 42.0 psf specified roof snow load.

4) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 2, 73 lb uplift at joint 4 and 4 lb uplift at joint 6.

LOAD CASE(S) Standard



Scale = 1:16.7

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	h	(psf)	WALL	L/I	PLATES	GRP
TCLL 42.0	Plates Increase	1:15	TC 0.21	Vert(L)	0.00	5-7	>889	240	M120	168/123
TCLL 10.0	Lumber Increase	1:15	BC 0.08	Vert(TL)	-0.01	5-7	>889	180		
BCLL 0.0	Req Stress Incr	YES	WB 0.12	Horz(TL)	0.00	5	N/A	N/A		
BCLL 10.0	Code	BOCA/NBS95	(N/A)							Weight: 36 lb

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF-S Stud

**BRACING**  
 TOP CHORD Sheathed or 6-0-0 cc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 cc bracing.

**REACTIONS (kips)** 2-240/5-2.0, 5-240/5-2.0, 8-455/5-2.0, 7-455/5-2.0  
 Max Horz 2-57/1000 case 4)  
 Max Uplift 2-42/1000 case 6), 5-51/1000 case 7), 8-71/1000 case 5), 7-57/1000 case 4)  
 Max Grn 2-27/1000 case 2), 5-27/1000 case 3), 8-528/1000 case 2), 7-528/1000 case 3)

**FORCES (lb)** - First Load Case Only  
 TOP CHORD 1-2-66, 2-3-34, 4-5-152, 5-6-26, 3-4-88  
 BOT CHORD 2-9-61, 7-9-68, 5-7-61  
 WEBS 3-8-382, 4-7-382

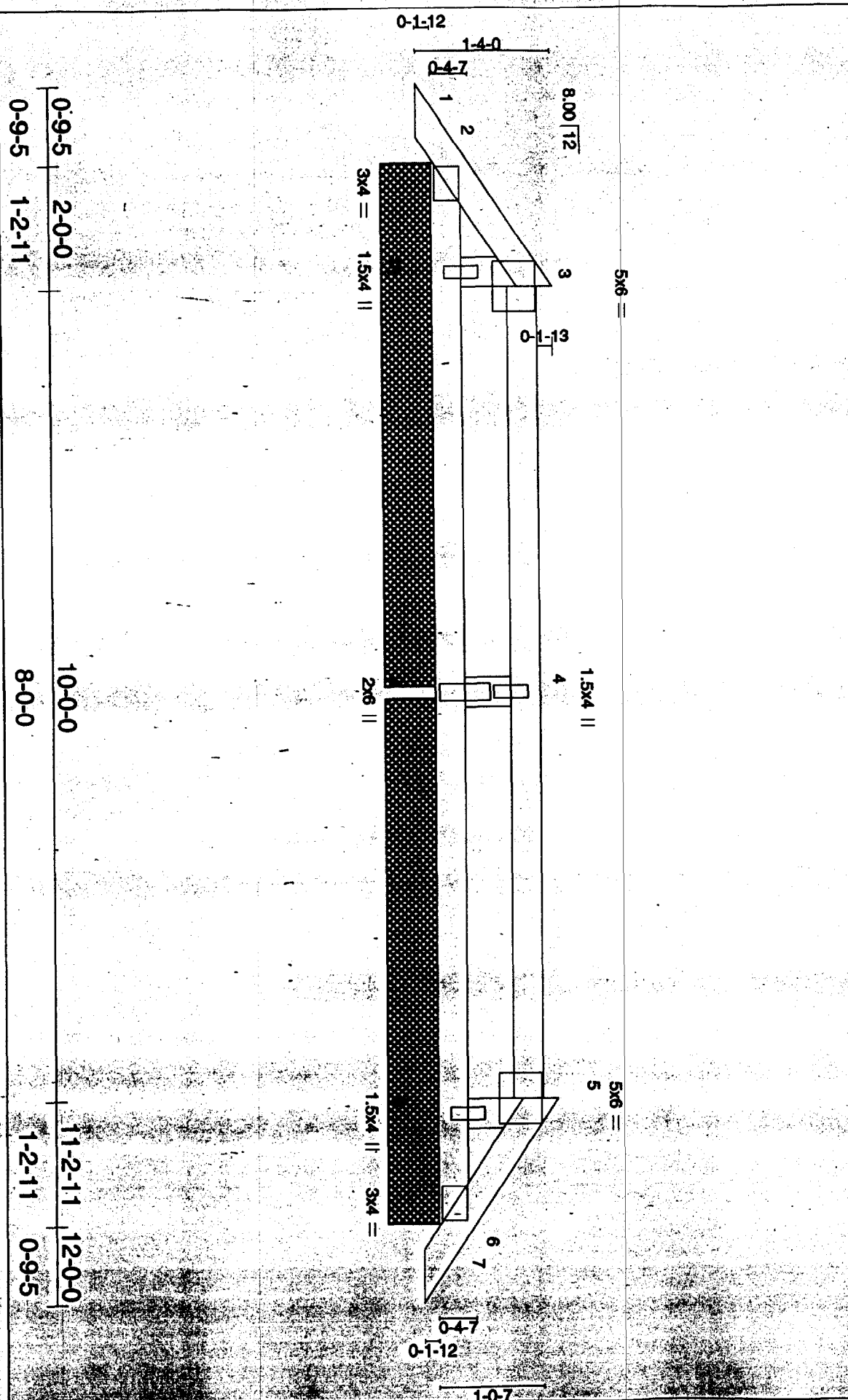
**NOTES**  
 1) Wind: ASCE 7-98; 90mpht; h=39ft; TCLL=4.2psf; BCLL=5.0psf; Category II; Exp C; enclosed/W/FRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.  
 2) Design load is based on 42.0 psf specified roof snow load.  
 3) Unbalanced snow loads have been considered for the design.  
 4) Provide adequate drainage to prevent water ponding.  
 5) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.  
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 2, 51 lb uplift at joint 5, 71 lb uplift at joint 8 and 57 lb uplift at joint 7.  
 LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Qty	Py	DEERING/DARLINO
A281388	202	HP TOP	2	1		

Wood Structures, Biddeford, ME 04005, MITEK Industries, Inc. Job Reference (optional) 5.100 a May 30 2003 MITEK Industries, Inc. Mon Jun 23 08:31:36 2003 Page 1



Scale = 1:16.7



Plan Orientation (X,Y): [3:0:3-0-0-2-3], [5:0:3-0-0-2-3]  
 Continued on page 2



LOADING (psf)	SPACING	2-0-0	CSI	DESIGN	h	h (top)	h (bot)	L/d	PLATES	GRP
TCLL 42.0	Plates Increase	1.15	TC 0.24	Vert(U)	-0.00	9	>999	240	M20	160/123
TCDL 10.0	Lumber Increase	1.15	BC 0.05	Vert(D)	-0.00	8-8	>999	180		
BCLL 0.0	Req Stress Incr	YES	WB 0.11	Horz(TL)	0.00	8	N/A	N/A		
BCDL 10.0	Code	BOCA/NMS98	(Metric)							Weight: 30 lb

**LUMBER**  
 TOP CHORD 2 X 4 SYP No.2 \*Except T2 X 4 SPF 1650F 1.5E  
 BOT CHORD 2 X 4 SPF 1650F 1.5E  
 WEBS 2 X 4 SPF-S Suid

**BRACING**  
 TOP CHORD Sheathed or 6-0-0 cc plates.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 cc bracing.

**REACTIONS** (kips) 2-39/5-2-0, 6-39/5-2-0, 10-39/7/5-2-0, 8-39/7/5-2-0, 9-539/5-2-0, 9-539/5-2-0  
 Max Horz 2-21 (load case 4)  
 Max Uprtg 2-61 (load case 3), 6-61 (load case 2), 10-63 (load case 5), 8-47 (load case 4), 8-79 (load case 4)  
 Max Grv 2-59 (load case 2), 6-59 (load case 2), 10-41 (load case 2), 8-41 (load case 3), 9-537 (load case 2), 9-536 (load case 1)

**FORCES** (lb) - First Load Case Only  
 TOP CHORD 1-2-28, 2-3-01, 5-6-01, 6-7-28, 3-4-58, 4-5-58  
 BOT CHORD 2-10-8, 8-10-24, 8-9-24, 6-9-6  
 WEBS 3-10-32, 5-9-32, 4-9-47

- NOTES**
- 1) Wind: ASCE 7-98; 80mph; h=39ft; TCCL=4.2psf; BCCL=5.0psf; Category II; Exp C; enclosed; MWFRS interior zone; cantilever left and right exposed; Lumber DOL=1.60 plate grp DOL=1.60.
  - 2) Design load is based on 42.0 psf specified roof snow load.
  - 3) Unshaded snow loads have been considered for this design.
  - 4) Provide adequate drainage to prevent water ponding.
  - 5) This truss has been designed for a live load of 20 psf on the bottom chord in all areas with a clearance greater than 3-6-0 between the bottom chord and any other members.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 2, 61 lb uplift at joint 6, 53 lb uplift at joint 10, 47 lb uplift at joint 8 and 79 lb uplift at joint 9.
- LOAD CASE(S)** Standard