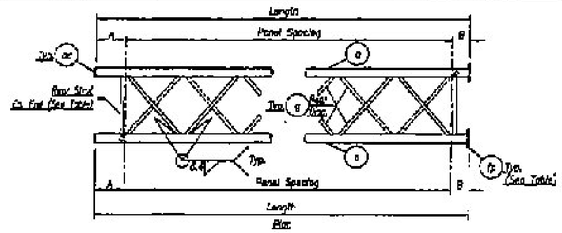
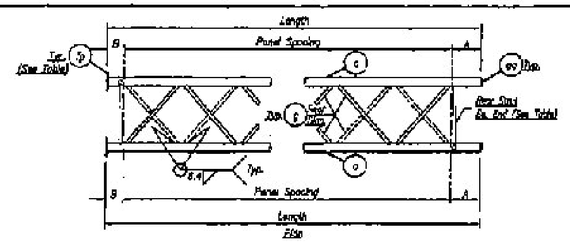
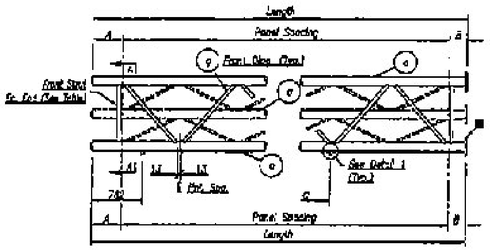


Plan



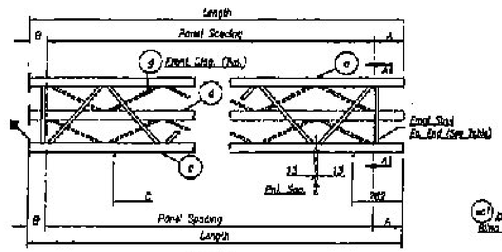
Plan



Elevation

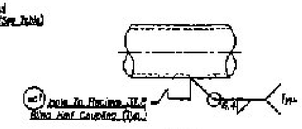
								End Struts		Diagonals	
Qty.	Mk.	Length	Panel Spacing	A	B	C	Flange Mk.	End Cap Mk.	Front Strut	Rear Strut	Front Dia.	Rear Dia.
1	TL	8.763M	7 Sp. @ 1.147M = 8.029M	521	203	2.248M	fp1	ec1	v1	h1	d1	d2

Plan



Elevation

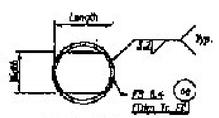
								End Struts		Diagonals	
Qty.	Mk.	Length	Panel Spacing	A	B	C	Flange Mk.	End Cap Mk.	Front Strut	Rear Strut	Front Dia.	Rear Dia.
1	TR	8.763M	7 Sp. @ 1.147M = 8.029M	521	203	2.248M	fp1	ec1	v1	h1	d1	d2



Detail 1

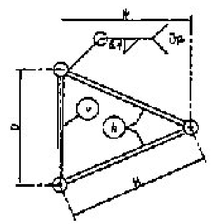
Bill of Material

Qty.		Mk.	Description	Length	Remarks
2	3	fp1 / fp2	102 O.D. x 8.7 W. Plate	0.203M	
14		p1	168.3 O.D. x 3.3 W. Pipe	1.224M	Mk for 1.552M @ 47-49°
28		p2	do	1.224M	Mk for 1.224M @ 38-39°
4		v1	88.9 O.D. x 3.8 W. Pipe	0.178M	Mk for 0.178M @ 0°
8		v2	do	0.298M	Mk for 0.203M @ 0°
8		ec1	FB 32 x 6.4	32	
4		ec2	3.81 Std Half Coupling	—	
8		fp3	PL 32.4 x 254 O.D.	—	
24		F21	22.2M x 65 A.B. Hex Bolt & Nut 1/2-20 Unc		



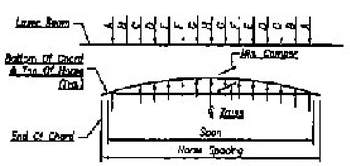
End Cap Detail

Qty.	Mk.	Length	Width	Chord O.D.
8	ec1	25	57	102 O.D.



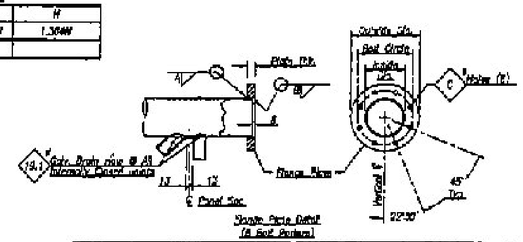
Section A–A

Truss Mk.	W	D	H
14,TR	1.227M	1.224M	1.304M



Camber Layout For Span

Truss Mk.	Horiz. Spacing	Vert. Camber	Span	A	B	C	D	E	F	G	H
14,TR	7 Horiz. Sp. @ 1.227M	28	17.000M	505	436	–	–	–	–	–	474



Gusset Plate Detail (8 Bolt Pattern)

Qty.	Mk.	Outside Dia.	Bolt Circle	Inside Dia.	Plate Thk.	A	B	C
8	fp7	254	178	104	25.4	7.0	4.8	25.4

NOTE: The Truss Sections Shall Be Assembled Together With The Contour Bolt In.

■ Storm Truss Section with Holes On The Top Of The Bottom Chord Flanges.

Prior To Galvanizing All Corners And Edges Of Steel Plates, Shapes, Etc. Shall Be Ground To A 1/16mm Radius.

All Dimensions Are In Millimeters Unless Otherwise Noted.

MATERIAL SPECIFICATIONS:
Steel Chord & Truss Bar Stock Per AS.N. M2, AS.N. C1 Or A500 Gr. B Or F
If Needed, A 350,000PA (48 KSI) Min. Yield Strength.
Steel Plate & Tube Bar Stock Per A.S.T.M. A709 Gr. 36
All Steel To Be Galvanized Per A.S.T.M. A123
U.S. Bolts, Nuts & Washers Shall Be A.S.T.M. A325
Galvanize Hardware Per A.S.T.M. A153

Welding Note: All Welds, Materials, Workmanship, Procedures And Inspection Shall Conform With Specification AWS D1.1

PARTS REQUIRED						REVISIONS		
TYPE	MTL	QTY	TYPE	MTL	QTY	NO.	DATE	DESCRIPTION
							6-29-11	Rev. Per Appvd. Dwg. 7.10

Brookfield Fabricating Corp

P.O. Box 404 – Brookfield, Vermont 05036 – (802)276-3314

Customer: F.P. Lafayette, Inc.

Project: MA 670-0790
Deerfield Co. Jr. Arenas

Description: Foundation Details Of 70'-Foot Truss Sections For Sec. 28 15+000.7

Sheet No. 5 of 14

Version For	Drawn By	Date	Checked By	Date	Job No.	Rev.
Vermont	JL	12-20-10	JF	AM	12-20-10	VT-71862	

STATE OF VERMONT — NO. 08782 STRUCTURAL — 6/29/11 — PROFESSIONAL ENGINEER — Licensed

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