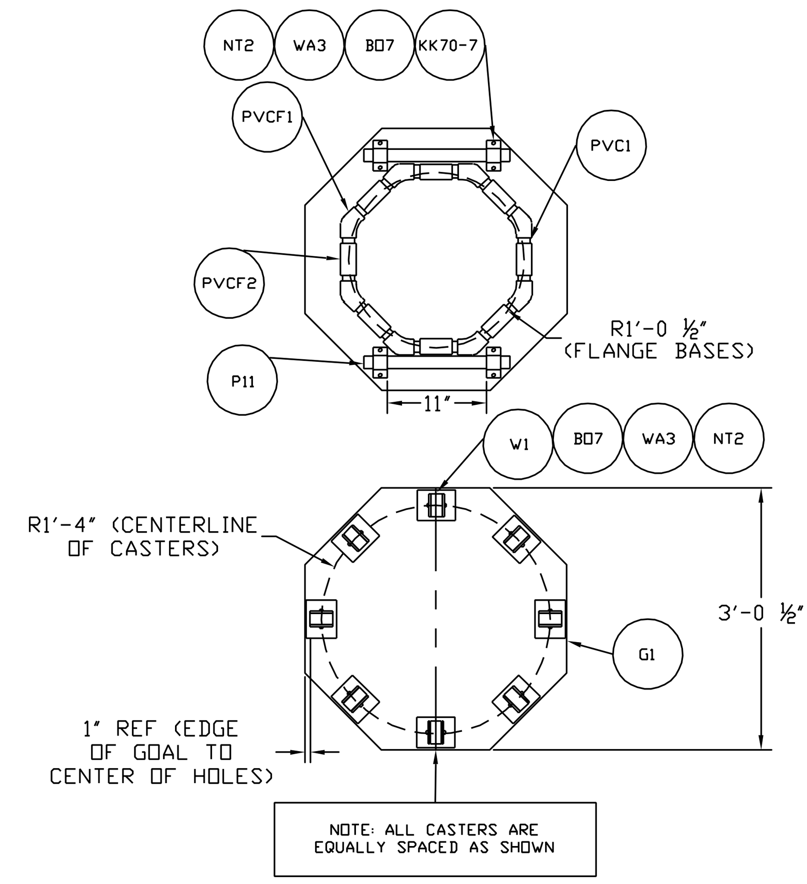
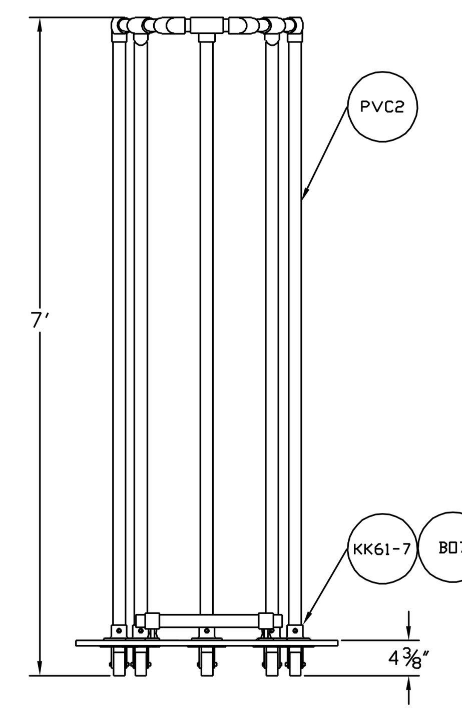
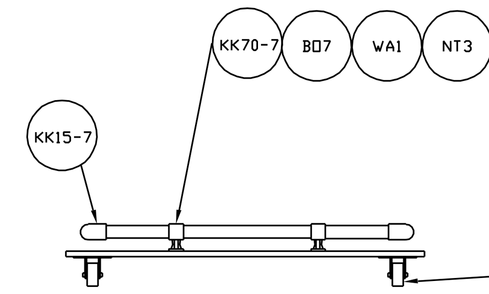
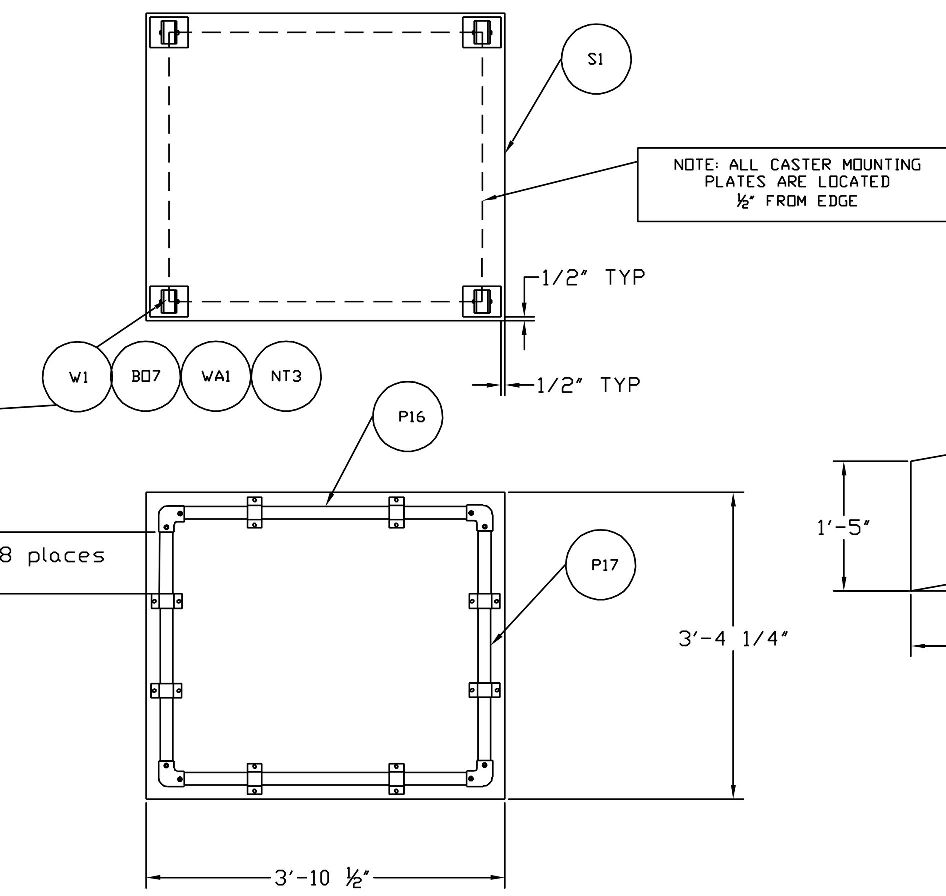


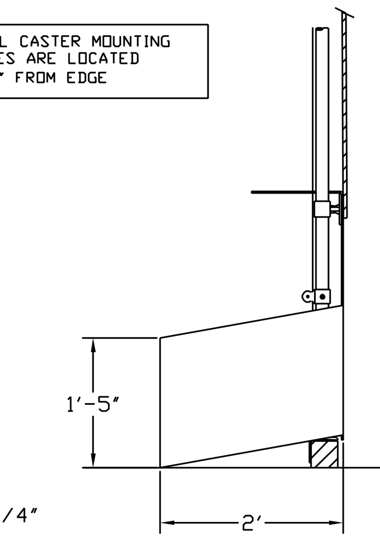
GOAL C-C
SCALE 1:20



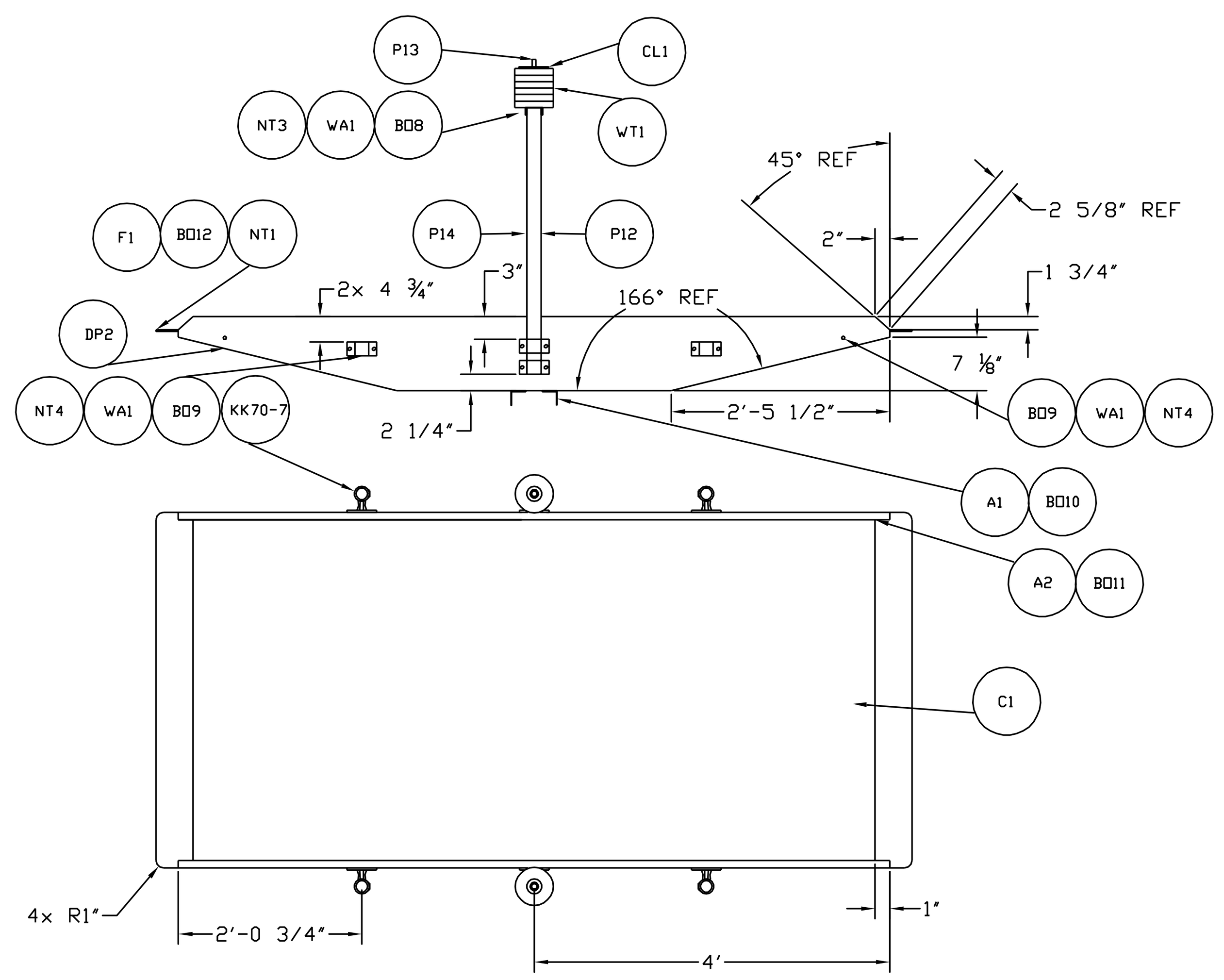


STRETCHER
SCALE 1:20

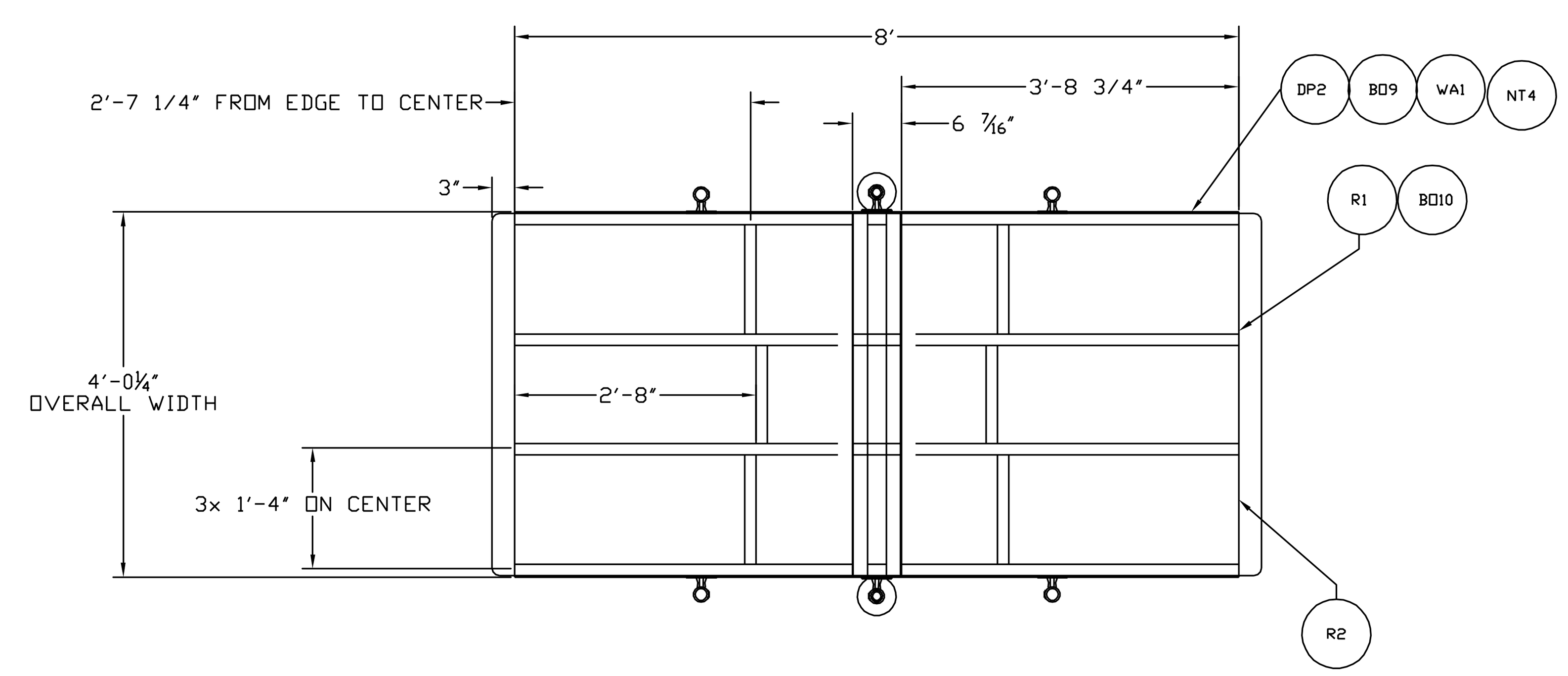




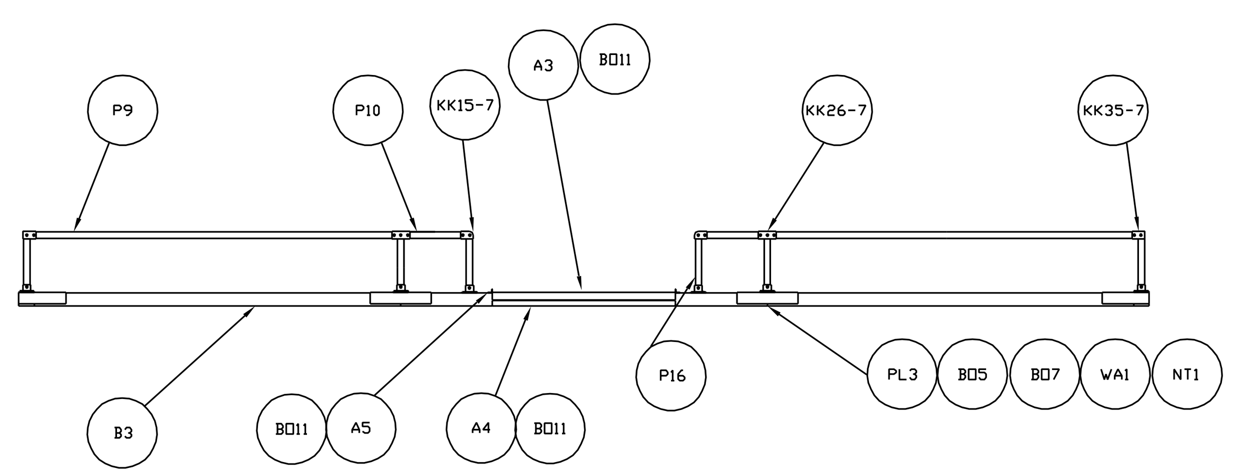
BALL CHUTE
SECTION D-D
SCALE 1:20



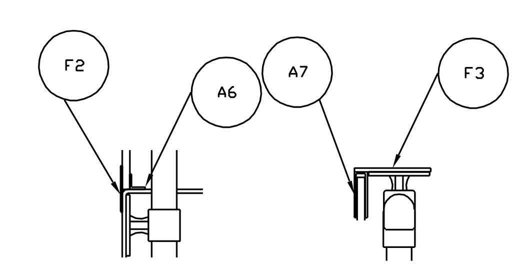
BRIDGE A-A
SCALE 1:20



BOTTOM VIEW OF BRIDGE
SCALE 1:20



CENTER BARRIER WITHOUT BRIDGE B-B
ROTATE 90°



ACRYLIC SUPPORT SECTIONS E-E AND F-F
SCALE 1:10

2001 Field Components

Line #	Assembly	Part #	Description	# Req.	Material	Length
1	Goal	PVC1	horizontal supports	8/goal	PVC 1-¾" Schedule 40 Pipe	3-15/16"
2	Goal	PVC2	upright supports	8/goal	PVC 1-¾" Schedule 40 Pipe	77-3/8"
3	Goal	W1	swivel casters	8/goal	3" Swivel Casters	
4	Goal	PVCF1	45° elbow fitting	8/goal	PVC 1-¾" Schedule 40 Elbow Fitting	
5	Goal	PVCF2	tee fitting	8/goal	PVC 1-¾" Schedule 40 Tee Fitting	
6	Goal	KK70-7	for securing P11	4/goal	Kee Klamp Rail Support	
7	Goal	KK61-7	base flange for PVC2	8/goal	Kee Klamp Fitting	
8	Goal	KK77-7	plastic plug	4/goal	Kee Klamp Fitting	
9	Goal	P11	horizontal pipe	2/goal	1-1/4" Ø Schedule 40 Aluminum pipe	19"
10	Goal	R3	goal base	1/goal	sheet ¾" a/c plywood	34-¾"
11	Goal	BO7	for attaching KK70-7, KK61-7, W1 to R3	72/goal	¼-20x1 ½" carriage bolt	1 ½"
12	Goal	WA3	for attaching KK70-7, KK61-7, W1 to R3	72/goal	¼" ID lock washer	
13	Goal	NT2	for attaching KK70-7, KK61-7, W1 to R3	72/goal	¼-20 nut	
14	Bridge	F1	lip on bridge	2	1/8" x 5" steel flat stock	47 5/8"
15	Bridge	A1	pivot point angle	2	1/8" x 2" angle	4'
16	Bridge	A2	for attaching C1 to R2	2	1"x96"x1/8" flat bar aluminum	96"
17	Bridge	KK70-7	counter weight support	8	Kee Klamp Rail Support	
18	Bridge	R1	bridge support	5	2x8 KD Pine Lumber	8'
19	Bridge	R2	plywood top	1	sheet ¾" a/c plywood	4'x8'
20	Bridge	C1	bridge carpet	1	Brassfield 20/Pewter	4'x8'
21	Bridge	P12	weight support	2	1-1/4" Ø Schedule 40 Steel pipe	33"
22	Bridge	P13	weight support	2	¾" Schedule 40 Steel pipe	11"
23	Bridge	P14	weight support	2	1" Schedule 40 Steel pipe	24"
24	Bridge	WT1	weight, Weider brand - cast iron	12	3 lb. weight	
25	Bridge	DP2	diamond plate barrier	2	1/8" Aluminum sheet	9-3/4" x8'
26	Bridge	BO8	for attaching P12,P13, and P14	2	¼-20x2" hex head bolt	2"
27	Bridge	WA1	for attaching P12, P13, and P14, and KK70-7 to DP2	22	¼" ID flat washer	
28	Bridge	NT3	for attaching P12,P13, and P14	2	¼-20 nylon lock nut	
29	Bridge	BO9	for attaching KK70-7 to DP2	20	5/16-20x2 ½" carriage bolt	2 ½"
30	Bridge	NT4	for attaching KK70-7 to DP2	20	5/16-20 nylon lock nut	
31	Bridge	BO10	for attaching R1 to R2	20	#12x2" wood screw	2"
32	Bridge	BO11	for attaching A2 to R2 and C1	26	#10x1 ½" sheet metal screw (flat head)	1 ½"
33	Bridge	CL1	weight clamp	2	standard weight clamp, 1" I.D.	
34	Bridge	BO12	for attaching F1 to R2 and C1	10	¼-20 1 ½" flat phillips head	1 ½"
35	Bridge	NT1	for attaching F1 to R2 and C1	10	¼-20 tee nut insert	
36	Stretcher	KK15-7	90° elbow fitting	4	Kee Klamp Elbow	
37	Stretcher	KK70-7	for securing H1	8	Kee Klamp Rail Support	
38	Stretcher	P16	railing pipes	2	1-1/4" Ø Schedule 40 Aluminum pipe	40"
39	Stretcher	P17	railing pipes	2	1-1/4" Ø Schedule 40 Aluminum pipe	36 3/16"
40	Stretcher	W1	swivel casters	4	3" Swivel Casters	
41	Stretcher	S1	stretcher support	1	sheet ¾" a/c plywood	40 ¾" x47"
42	Stretcher	BO7	for attaching KK70-7 to S1	32	¼-20x1 ½" carriage bolt	1 ½"
43	Stretcher	WA1	for attaching KK70-7 to S1	32	¼" ID flat washer	
	Stretcher	NT3	for attaching KK70-7 to S1	32	¼-20 nylon lock nut	
44						
45	Field Border	B1	field border	18	4x4 Hem-Fir Lumber	96"
46	Field Border	PL1	corner border joining plates	4	3"x3" angle steel	12"x12"
47	Field Border	PL2	straight border joining plates	14	3"x3" angle steel	16"
48	Field Border	BO6	for attaching PL1 & PL2 to B1	56	¼-20x3 ½" hex head bolt	3 ½"
49	Field Border	WA1	for attaching PL & PL2 to B1	76	¼" ID flat washer	
50	Field Border	NT1	for attaching PL & PL2 to B1	56	¼-20 tee nut insert	
51	Field Border	BO14	for attaching PL & PL2 to B1	20	¼-11 lag screw	3"
52	Field Border	P6	side barrier	6	1-1/4" Ø Schedule 40 Aluminum pipe	94"
53	Field Border	P7	center side barrier	6	1-1/4" Ø Schedule 40 Aluminum pipe	92 ½"
54	Field Border	P8	barrier upright supports	8	1-1/4" Ø Schedule 40 Aluminum pipe	16"
55	Field Border	KK61-7	base flange for PL1 and PL2	20	Kee Klamp Fitting	
56	Field Border	KK26-7	90° joint fitting	4	Kee Klamp Two Socket Cross	
57	Field Border	KK35-7	90° three way fitting	2	Kee Klamp Side Outlet Tee	
58	Field Border	KK77-7	plastic plug	10	Kee Klamp Fitting	
59	Field Border	KK19-7	variable angle fitting for field gate	4	Kee Klamp Adjustable Side Outlet Tee	
60	Field Border	B2	field border	4	4x4 Hem-Fir Lumber	52"
61	Field Border	B3	field border	2	4x4 Hem-Fir Lumber	44"
62	Center Barrier	P9	horizontal barrier	2	1-1/4" Ø Schedule 40 Aluminum pipe	96"
63	Center Barrier	P10	barrier support	4	1-1/4" Ø Schedule 40 Aluminum pipe	16"
64	Center Barrier	B3	bridge border	3	4x6 Hem-Fir Lumber	96"
65	Center Barrier	A3	border pivot point angle	2	2"x 2"x1/8" steel angle	4'
66	Center Barrier	A4	border support	2	1 ½"x 1 ½"x1/8" steel angle	4'
67	Center Barrier	A5	corner angle plate	2	2"x2" 1/8" angle steel	5 ½"
68	Center Barrier	KK15-7	90° elbow fitting	2	Kee Klamp Two Socket Cross	
69	Center Barrier	KK26-7	90° joint fitting	2	Kee Klamp Two Socket Cross	
70	Center Barrier	KK77-7	plastic plug	2	Kee Klamp Fitting	
71	Center Barrier	KK61-7	base flange for PL4	4	Kee Klamp Fitting	
72	Center Barrier	PL3	straight border joining plates	2	5"x3" angle steel	16"
73	Center Barrier	BO11	for attaching A3,A4,and A5 to B3	16	#10x1 ½" sheet metal screw (flat head)	1 ½"
74	Center Barrier	BO5	for attaching PL4 to B1 and B3	8	¼-20x1 ½" hex head bolt	1 ½"
75	Center Barrier	BO7	for attaching PL3 to B1 and B3	12	¼-11 lag screw	1 ¾"
76	Center Barrier	WA1	for attaching PL3 to B1 and B3	12	¼" ID flat washer	
77	Center Barrier	NT1	for attaching PL3 to B1 and B3	8	¼-20 tee nut insert	
78	Center Barrier	PL4	center barrier support	4	1/8" x 3" 90° angle	12"
79	Center Barrier	P16	barrier upright support	2	1-1/4" Ø Schedule 40 Steel pipe	14 ¾"
80	Alliance Station	P3	divider wall upright	4	1-1/4" Ø Schedule 40 Aluminum pipe	30"
81	Alliance Station	P4	divider wall upright	6	1-1/4" Ø Schedule 40 Aluminum pipe	77 ½"
82	Alliance Station	P5	horizontal barrier	4	1-1/4" Ø Schedule 40 Aluminum pipe	46"
83	Alliance Station	P15	horizontal barrier	10	1-1/4" Ø Schedule 40 Aluminum pipe	95"
84	Alliance Station	SS1	safety shield	8	½" clear acrylic	4'x6'
85	Alliance Station	DP1	diamond plate driver station	6	3/16" Aluminum sheet	4'x8'
86	Alliance Station	BO5	for attaching A6 to DP1 and PL1&PL2 to B1	144	¼-20x1 ½" hex head bolt	1 ½"
87	Alliance Station	BO7	for attaching DP1 to B1	48	¼-11 lag screw	1 ¾"
88	Alliance Station	WA1	for attaching A6 to DP1 and PL1 & PL2 to B1	156	¼" ID flat washer	
89	Alliance Station	WA2	for attaching DP1 to B1	6	3/4"x3 ½" plywood spacer (mounted to 4x4)	8'
90	Alliance Station	NT2	for attaching DP1 to KK70-7	112	¼-20 nut	
91	Alliance Station	NT1	for attaching PL1 & PL2 to B1	32	¼-20 tee nut insert	
92	Alliance Station	BC1	Ball Chute	4	17"x17" opening	24"
93	Alliance Station	KK10-7	90° butt joint fitting	8	Kee Klamp Tee	
94	Alliance Station	KK14-7	for connecting P5 Pipes	4	Kee Klamp Straight Coupling	
95	Alliance Station	KK15-7	90° elbow fitting	4	Kee Klamp Elbow	
96	Alliance Station	KK25-7	90° tee fitting	2	Kee Klamp Two Socket Tee	
97	Alliance Station	KK26-7	90° joint fitting	6	Kee Klamp Two Socket Cross	
98	Alliance Station	KKC50-7	swivel fitting	6	Kee Klamp Swivel for Two Pipes	
99	Alliance Station	KKC58-7	swivel fitting with base	6	Kee Klamp Swivel and Base	
100	Alliance Station	KK70-7	for securing DP1 and F3	36	Kee Klamp Rail Support	
101	Alliance Station	KK77-7	plastic plug	4	Kee Klamp Plastic Plug	
102	Alliance Station	T1	Team ID sign	8		
103	Alliance Station	A6	bottom support angle	6	2" x 2" aluminum angle (1/8")	8'
104	Alliance Station	A7	top support angle	6	3/4" x 3/4" aluminum channel (1/8")	8'
105	Alliance Station	F2	bottom support flat stock	6	3" aluminum diamond plate sheet	8'
106	Alliance Station	F3	top support flat stock	24	¼"x3" aluminum flat stock	5"
107	Alliance Station	BO13	for attaching PL4 to B2 and B1 and PL5 to B3 and B1	6	¼-20 4 ½" through bolt	4 ½"
108	Alliance Station	NT2	for attaching PL4 to B2 and B1 and PL5 to B3 and B1	6	¼-20 nut	
109	Alliance Station	WA1	for attaching PL4 to B2 and B1 and PL5 to B3 and B1	18	¼" ID flat washer	
110	Alliance Station	NT1	for attaching PL4 to B2 and B1 and PL5 to B3 and B1	12	¼-20 tee nut insert	
111	Alliance Station	BO14	for attaching PL4 to B2 and B1 and PL5 to B3 and B1	12	¼-11 lag screw	3"
112	Alliance Station	PL5	angle support	8	1/8" x 3" angle	12" x12"
113	Alliance Station	PL4	center support	4	1/8" x 3" 90° angle	12"x12"
114	Field Base	C2	playing field carpet	1	Brassfield 20/black coal	36'x64'

last revised 01/08/01

refer to DWG NO. 01-FLD-0001-D

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Sheet 2 of 2