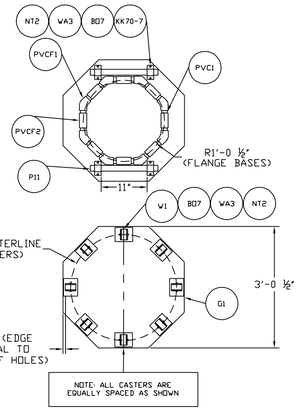
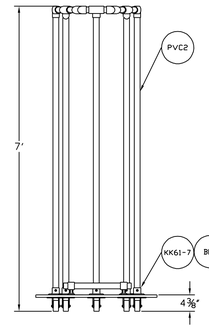
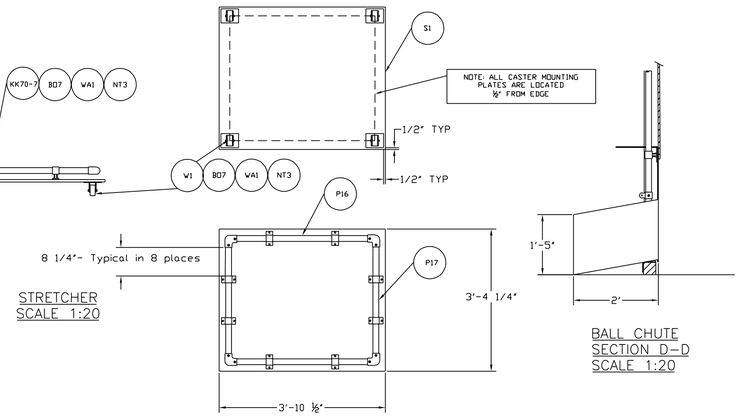


GOAL C–C
SCALE 1:20





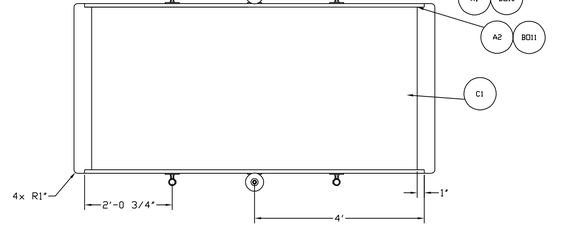
STRETCHER
SCALE 1:20

BALL CHUTE
SECTION D–D
SCALE 1:20

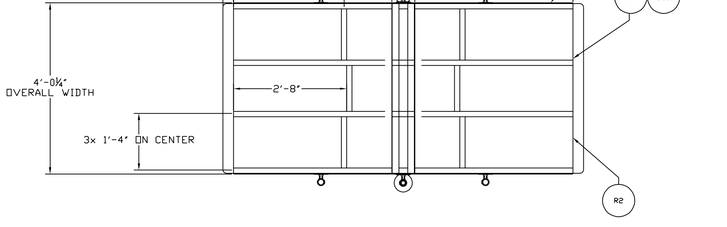
2001 Field Components

Line #	Assembly	Part #	Description	# Req.	Material	Length
1	Goal	PVC1	horizontal support	8(goal	PVC 1 - ¼" Schedule 40 Fitting	3'-11 5/16"
2	Goal	PVC2	vertical support	8(goal	PVC 1 - ¼" Schedule 40 Fitting	7'-1 7/8"
3	Goal	W1	swivel caster	8(goal	3" Swivel Caster	
4	Goal	PVCF1	45° elbow fitting	8(goal	PVC 1 - ¼" Schedule 40 Elbow Fitting	
5	Goal	PVCF2	tee fitting	8(goal	PVC 1 - ¼" Schedule 40 Tee Fitting	
6	Goal	KK70-7	for attaching P11	4(goal	4x4 Clamp Rail Support	
7	Goal	KK61-7	base flange for PVC2	8(goal	4x4 Clamp Fitting	
8	Goal	KK15-7	elastic tube	4(goal	4x4 Clamp Fitting	
9	Goal	P11	horizontal pipe	1(goal	1-1/4" Ø Schedule 40 Aluminum pipe	19"
10	Goal	G1	gate assembly	1(goal	1" Ø tubing	24x ⅝"
11	Goal	BO7	for attaching KK70-7, KK61-7, W1 to B3	72(goal	⅜-24x1 ¾" carriage bolt	1 ¾"
12	Goal	WA3	for attaching KK70-7, KK61-7, W1 to B3	72(goal	⅜" ID lock washer	
13	Goal	NT2	for attaching KK70-7, KK61-7, W1 to B3	72(goal	⅜-20 nut	
14	Bridge	P1	top rail bridge	2	1-1/8" x 3" steel flat stock	47 3/8"
15	Bridge	A1	for attaching C1 to B2	2	1-1/8" x 3" angle	6"
16	Bridge	A2	for attaching C1 to B2	2	1"x1"x1/8" flat bar aluminum	96"
17	Bridge	KK70-7	counterweight support	8	4x4 Clamp Rail Support	
18	Bridge	B1	bottom support	1	2x8 KD Pine Lumber	8'
19	Bridge	B2	plywood leg	1	sheet ¾" a/c plywood	4'x8'
20	Bridge	C1	bottom support	1	Fencefield 207 Panel	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	W3	weight, Wedge brand - cast iron	12	3 lb. weight	
25	Bridge	B03	diamond plate gusset	2	1/4" Aluminum sheet	9-3/4" x8"
26	Bridge	BO8	for attaching P12, P13, and P14	2	⅜-16x1 ¼" carriage bolt	2"
27	Bridge	WA1	for attaching P12, P13, and P14, and KK70-7 to B2	22	⅜" ID flat washer	
28	Bridge	NT3	for attaching P12, P13, and P14	2	⅜-20 nylon lock nut	
29	Bridge	BO9	for attaching KK70-7 to B2	20	3/16-20x3 ¾" carriage bolt	2 ¾"
30	Bridge	NT4	for attaching KK70-7 to B2	20	3/16-20 nylon lock nut	
31	Bridge	BO10	for attaching P1 to B2	20	#12x2" wood screw	2"
32	Bridge	BO11	for attaching A2 to B2 and C1	24	#10x1 ½" sheet metal screw (flat head)	1 ½"
33	Bridge	CA1	weight clamp	1	standard weight clamp, 1" I.D.	
34	Bridge	BO12	for attaching P1 to B2 and C1	10	¼-20 1¾" thru bolt, hex head	1 ¾"
35	Bridge	NT1	for attaching P1 to B2 and C1	10	¼-20 hex nut insert	
36	Stretcher	KK13-7	90° elbow fitting	4	4x4 Clamp Elbow	
37	Stretcher	KK70-7	for securing B1	8	4x4 Clamp 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	56 3/16"
40	Stretcher	W1	swivel casters	4	3" Swivel Casters	
41	Stretcher	S1	stretcher support	1	sheet ¾" a/c plywood	40 ¾" x41"
42	Stretcher	BO7	for attaching KK70-7 to S1	32	¼-20x1 ¾" carriage bolt	1 ¾"
43	Stretcher	NT4	for attaching KK70-7 to S1	32	¼-20 flange lock nut	
44	Stretcher	WA3	for attaching KK70-7 to S1	32	¼" ID washer, oversize	
45	Field Borders	B3	field border	18	4x4 Rem-Fir Lumber	96"
46	Field Borders	PL1	connects orders joining plates	4	3"x3"-angle steel	12"x12"
47	Field Borders	PL2	thoughtbroke joining plates	14	3"x3"-angle steel	6"
48	Field Borders	BO6	for attaching PL1 & PL2 to B1	56	¼-20x2 ¾" hex head bolt	2 ¾"
49	Field Borders	WA1	for attaching PL & PL2 to B1	56	¼" ID flat washer	
50	Field Borders	NT1	for attaching PL & PL2 to B1	56	¼-20 hex nut insert	
51	Field Borders	BO14	for attaching PL & PL2 to B1	20	¼-11 lag screw	2"
52	Field Borders	P8	side runners	8	1-1/4" Ø Schedule 40 Aluminum pipe	94"
53	Field Borders	P7	center rails, hinges	4	1-1/4" Ø Schedule 40 Aluminum pipe	93 ⅞"
54	Field Borders	P9	hanger support supports	6	1-1/4" Ø Schedule 40 Aluminum pipe	16"
55	Field Borders	KK61-7	base flange for P12 and P1,2	20	4x4 Clamp Fitting	
56	Field Borders	KK26-7	90° joint fitting	4	4x4 Clamp Two Socket Cross	
57	Field Borders	KK31-7	90°-three way fitting	2	4x4 Clamp Side Outlet Tee	
58	Field Borders	KK77-7	elastic tube	10	4x4 Clamp Fitting	
59	Field Borders	KK19-7	rotatable angle fitting for field gate	4	4x4 Clamp Adjustable Side Outlet Tee	
60	Field Borders	B4	field border	4	4x4 Rem-Fir Lumber	52"
61	Field Borders	B5	field border	4	4x4 Rem-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 barrier	2	4x4 Rem-Fir Lumber	96"
65	Center Barrier	A3	bridge barrier joint angle	2	3"x3"x1/4" steel angle	6"
66	Center Barrier	A4	bridge support angle	2	3"x3"x1/4" steel angle	4"
67	Center Barrier	A5	bridge support plate	2	2"x2"x1/8" angle steel	5 ⅝"
68	Center Barrier	KK13-7	90° elbow fitting	2	4x4 Clamp Two Socket Cross	
69	Center Barrier	KK26-7	90°-joint fitting	2	4x4 Clamp Two Socket Cross	
70	Center Barrier	KK77-7	elastic tube	2	4x4 Clamp Fitting	
71	Center Barrier	KK61-7	base flange for P14	4	4x4 Clamp Fitting	
72	Center Barrier	PL3	thoughbroke joining plates	2	3"x3"-angle steel	16"
73	Center Barrier	BO11	for attaching A3,A4,andA5 to B3	16	#10x1 ½"-sheet metal screw (flat head)	1 ½"
74	Center Barrier	BO5	for attaching PL4 to B2 and B3	8	¼-20x1 ¾" hex head bolt	1 ¾"
75	Center Barrier	BO7	for attaching PL3 to B2 and B3	12	¼-11 lag screw	1 ¾"
76	Center Barrier	WA1	for attaching PL3 to B2 and B3	8	¼" ID flat washer	
77	Center Barrier	NT1	for attaching PL3 to B2 and B3	8	¼-20 hex nut insert	
78	Center Barrier	P14	barrier support support	4	3"x3"x1/4" steel angle	23"
79	Center Barrier	P16	barrier support support	2	1-1/4" Ø Schedule 40 Steel pipe	14 ¾"
80	Alliance Station	P3	stretcher alignright	4	1-1/4" Ø Schedule 40 Aluminum pipe	30"
81	Alliance Station	P4	stretcher alignright	6	1-1/4" Ø Schedule 40 Aluminum pipe	37 ¾"
82	Alliance Station	P5	horizontal barrier	4	1-1/4" Ø Schedule 40 Aluminum pipe	96"
83	Alliance Station	P15	horizontal barrier	10	1-1/4" Ø Schedule 40 Aluminum pipe	93"
84	Alliance Station	S1	safety shield	1	¼" clear acrylic	4'x6'
85	Alliance Station	DP1	flathead plate fairway station	8	3/16" Aluminum sheet	4"x4"
86	Alliance Station	BO1	for attaching DP1 to B1 and PL1 @ PL2 to B	8	¼-20x1 ¾" hex head bolt	1 ¾"
87	Alliance Station	BO7	for attaching DP1 to B1	48	¼-11 lag screw	1 ¾"
88	Alliance Station	WA1	for attaching DP1 to B1 and PL1 @ PL2 to B	136	¼" ID flat washer	
89	Alliance Station	WA2	for attaching DP1 to B1	6	3/4"x3 ¾" 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 hex nut insert	
92	Alliance Station	BO1	Rail Chute	4	1-1/4" carriage	24"
93	Alliance Station	KK10-7	90° butt joint fitting	8	4x4 Clamp Tee	
94	Alliance Station	KK17-7	for connecting P3 Pipes	4	4x4 Clamp (Single) Coupling	
95	Alliance Station	KK13-7	90° elbow fitting	4	4x4 Clamp Elbow	
96	Alliance Station	KK23-7	90° tee fitting	2	4x4 Clamp Two Socket Tee	
97	Alliance Station	KK24-7	90° joint fitting	6	4x4 Clamp Two Socket Cross	
98	Alliance Station	KK30-7	swivel fitting	6	4x4 Clamp Unwinding Two Pipes	
99	Alliance Station	KK38-7	swivel fitting with eye	6	4x4 Clamp Swivel and Base	
100	Alliance Station	KK70-7	for securing DP1 and P3	36	4x4 Clamp Rail Support	
101	Alliance Station	KK77-7	elastic tube	4	4x4 Clamp Elastic Pipe	
102	Alliance Station	A6	bottom support angle	4	3"x3"x1/4" steel angle	
103	Alliance Station	A7	top support angle	6	3"x3"-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	3"
107	Alliance Station	BO13	for attaching PL4 to B2 and B1and PL3 to B2and B1	8	¼-20 x ¾" through bolt	4 ¾"
108	Alliance Station	NT2	for attaching PL4 to B2 and B1and PL3 to B2and B1	8	¼-20 nut	
109	Alliance Station	WA1	for attaching PL4 to B2 and B1and PL3 to B2and B1	18	¼" ID flat washer	
110	Alliance Station	NT1	for attaching PL4 to B2 and B1and PL3 to B2and B1	12	¼-20 hex nut insert	
111	Alliance Station	BO14	for attaching PL4 to B2 and B1and PL3 to B2and B1	12	¼-11 lag screw	3"
112	Alliance Station	PL3	angle support	8	1/8" x 2" angle	12" x12"
113	Alliance Station	PL4	center support	4	1/8" x 2" SQ. angle	12"x12"
114	Field Base	C2	playing field carpet	1	Fencefield 207 black vinyl	36'x44'

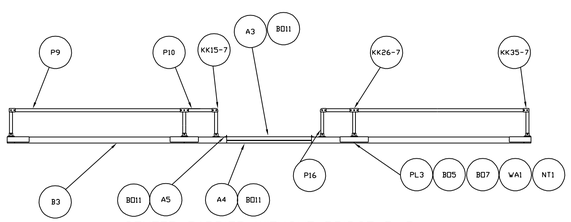
last revised 01/08/01 — refer to DWG NO. 01-FLD-0001-D



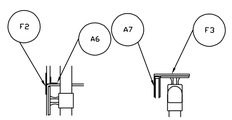
BRIDGE A–A
SCALE 1:20



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

DWG NO.	01–FLD–0001–D
Sheet	2 of 2