

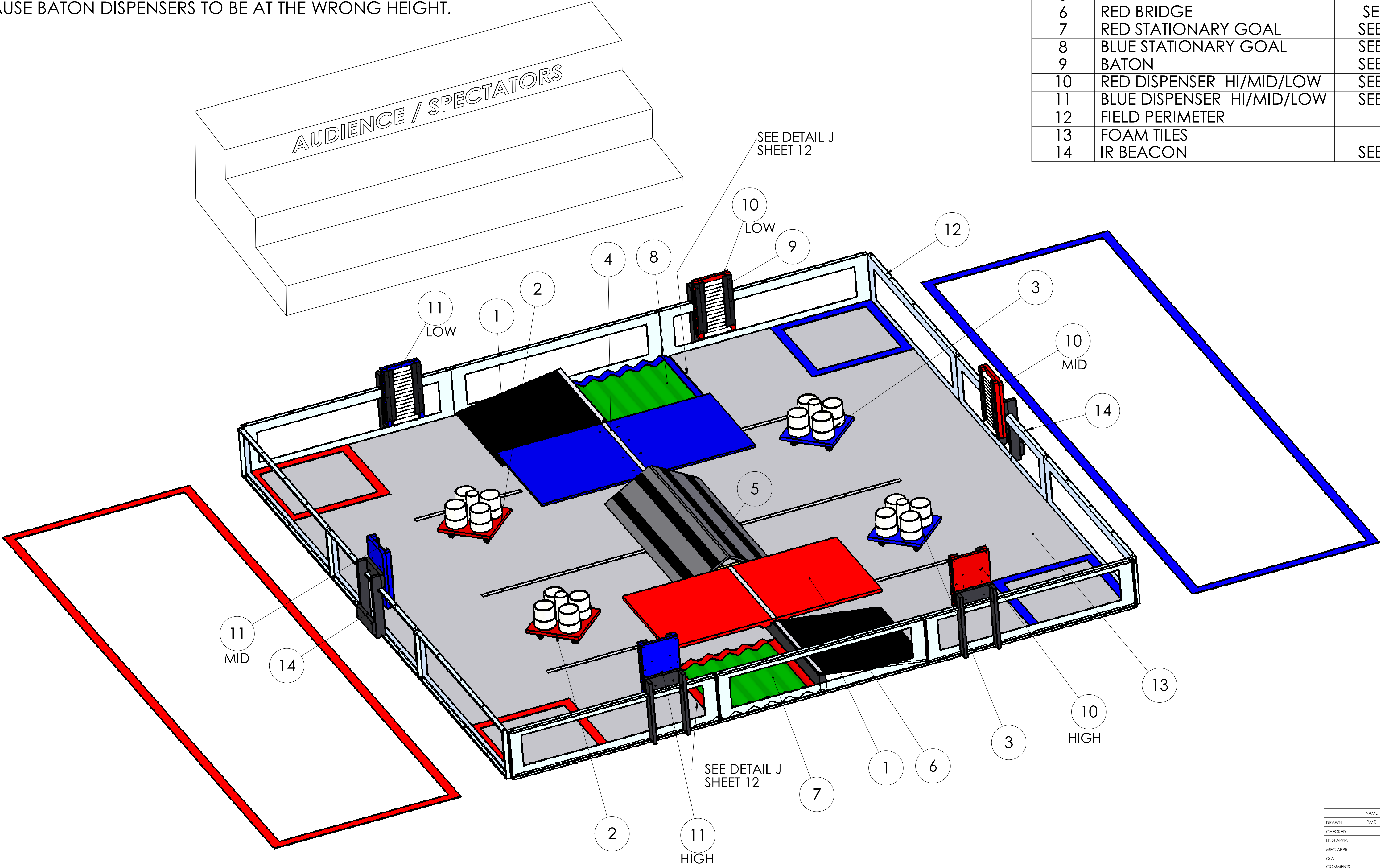
THIS DRAWING PACKAGE SHOULD BE USED IN CONJUNCTION  
WITH THE "ZEN AND THE ART OF FIELD CONSTRUCTON" GUIDE

	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907	
DRAWN	PMR	7-2010		
CHECKED			TITLE: <b>Get Over It</b>	
ENG APPR:			FIELD DRAWINGS	
MFG APPR:			SIZE DWG. NO. <b>D FTC1001-1</b>	
Q.A.			REV <b>-</b>	
COMMENTS:			SCALE: SHEET 1 OF 20	

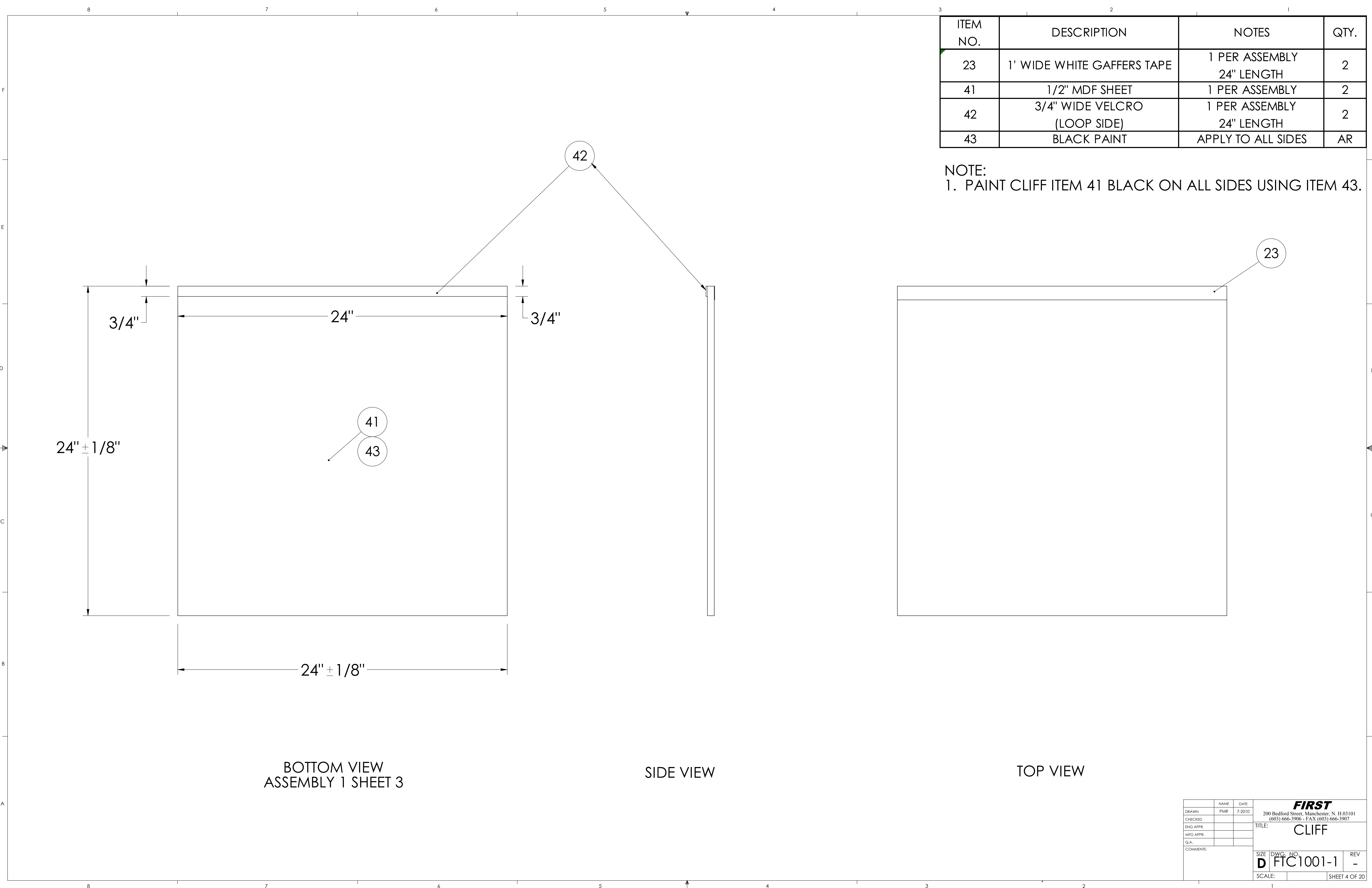


NOTES:  
1. PLACE FOAM TILES SMOOTH SIDE UP.  
2. ITEM 12 FIELD PERIMETER MUST REST DIRECTLY ON FLOOR.  
CUT TEETH OFF OF THE OUTSIDE EDGES OF ITEM 13 FOAM TILES ON THE PERIMETER TO ALLOW ITEM 12 TO REST DIRECTLY ON THE FLOOR. FAILURE TO ENSURE THE FIELD PERIMETER RESTS DIRECTLY ON THE FLOOR WILL CAUSE BATON DISPENSERS TO BE AT THE WRONG HEIGHT.

ITEM NO.	DESCRIPTION	NOTES	QTY.
1	CLIFF	SEE SHEET 4	2
2	RED ROLLING GOAL	SEE SHEET 5	2
3	BLUE ROLLING GOAL	SEE SHEET 5	2
4	BLUE BRIDGE	SEE SHEET 8	1
5	MOUNTAIN ASSEMBLY	SEE SHEET 9	1
6	RED BRIDGE	SEE SHEET 8	1
7	RED STATIONARY GOAL	SEE SHEET 12	1
8	BLUE STATIONARY GOAL	SEE SHEET 12	1
9	BATON	SEE SHEET 13	100
10	RED DISPENSER HI/MID/LOW	SEE SHEET 14	3
11	BLUE DISPENSER HI/MID/LOW	SEE SHEET 14	3
12	FIELD PERIMETER		ASSY
13	FOAM TILES		34
14	IR BEACON	SEE SHEET 18	2



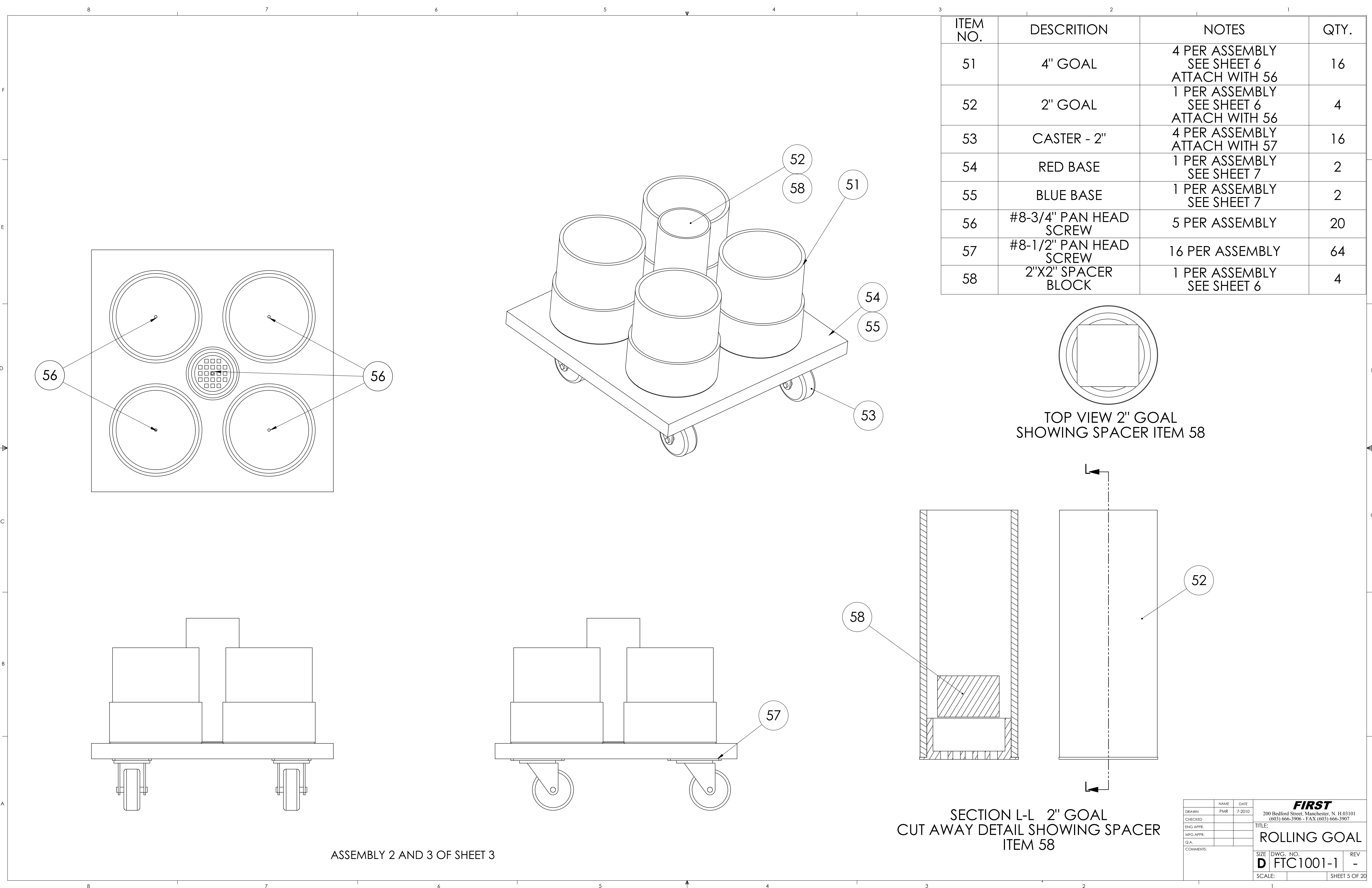
			<b>FIRST</b>		
			200 Bedford Street, Manchester, N. H. 03101		
			(603) 666-3906 - FAX (603) 666-3907		
TITLE:			FIELD COMPONENT LAYOUT		
SIZE DWG. NO.			D FTC1001-1		
SCALE:			SHEET 3 OF 20		



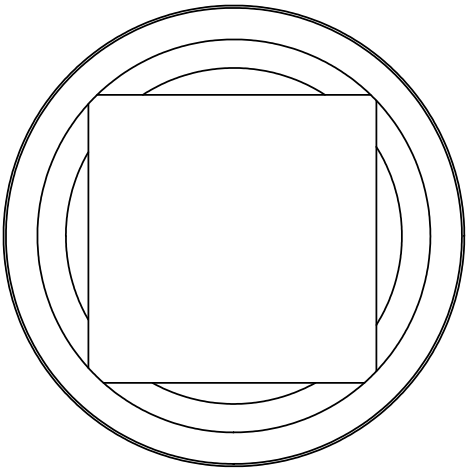
ITEM NO.	DESCRIPTION	NOTES	QTY.
23	1' WIDE WHITE GAFFERS TAPE	1 PER ASSEMBLY 24" LENGTH	2
41	1/2" MDF SHEET	1 PER ASSEMBLY	2
42	3/4" WIDE VELCRO (LOOP SIDE)	1 PER ASSEMBLY 24" LENGTH	2
43	BLACK PAINT	APPLY TO ALL SIDES	AR

NOTE:  
1. PAINT CLIFF ITEM 41 BLACK ON ALL SIDES USING ITEM 43.

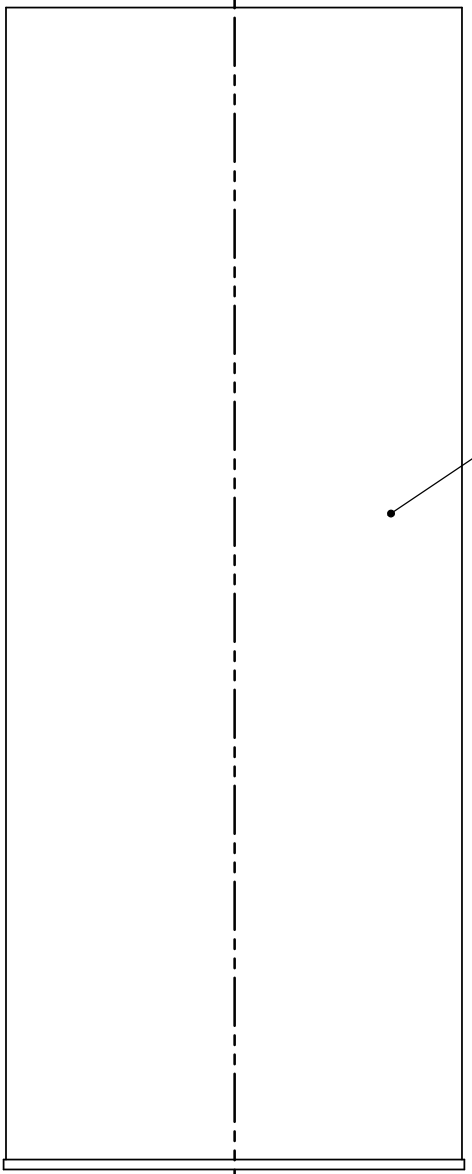
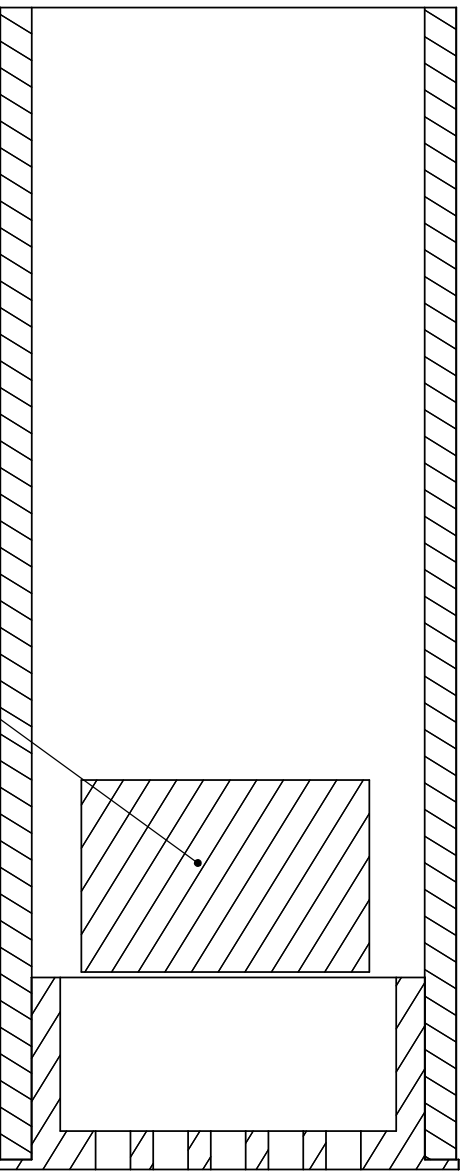
NAME		DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907		
DRAWN	PMR	7-2010			
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.			TITLE: CLIFF		
COMMENTS:			SIZE	DWG. NO.	REV
			D	FTC1001-1	-
			SCALE:		SHEET 4 OF 20



ITEM NO.	DESCRIPTION	NOTES	QTY.
51	4" GOAL	4 PER ASSEMBLY SEE SHEET 6 ATTACH WITH 56	16
52	2" GOAL	1 PER ASSEMBLY SEE SHEET 6 ATTACH WITH 56	4
53	CASTER - 2"	4 PER ASSEMBLY ATTACH WITH 57	16
54	RED BASE	1 PER ASSEMBLY SEE SHEET 7	2
55	BLUE BASE	1 PER ASSEMBLY SEE SHEET 7	2
56	#8-3/4" PAN HEAD SCREW	5 PER ASSEMBLY	20
57	#8-1/2" PAN HEAD SCREW	16 PER ASSEMBLY	64
58	2"X2" SPACER BLOCK	1 PER ASSEMBLY SEE SHEET 6	4



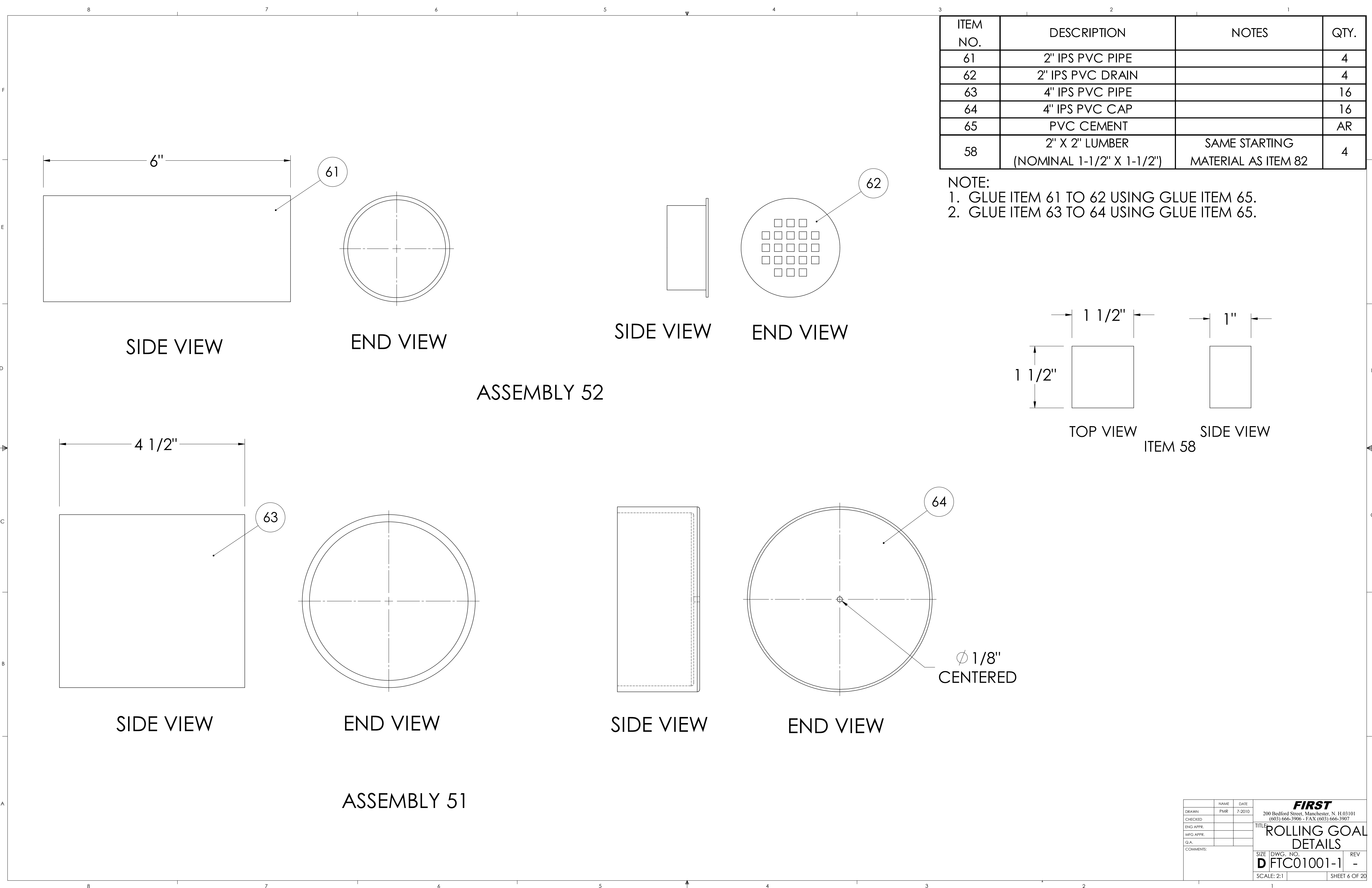
TOP VIEW 2" GOAL  
SHOWING SPACER ITEM 58



SECTION L-L 2" GOAL  
CUT AWAY DETAIL SHOWING SPACER  
ITEM 58

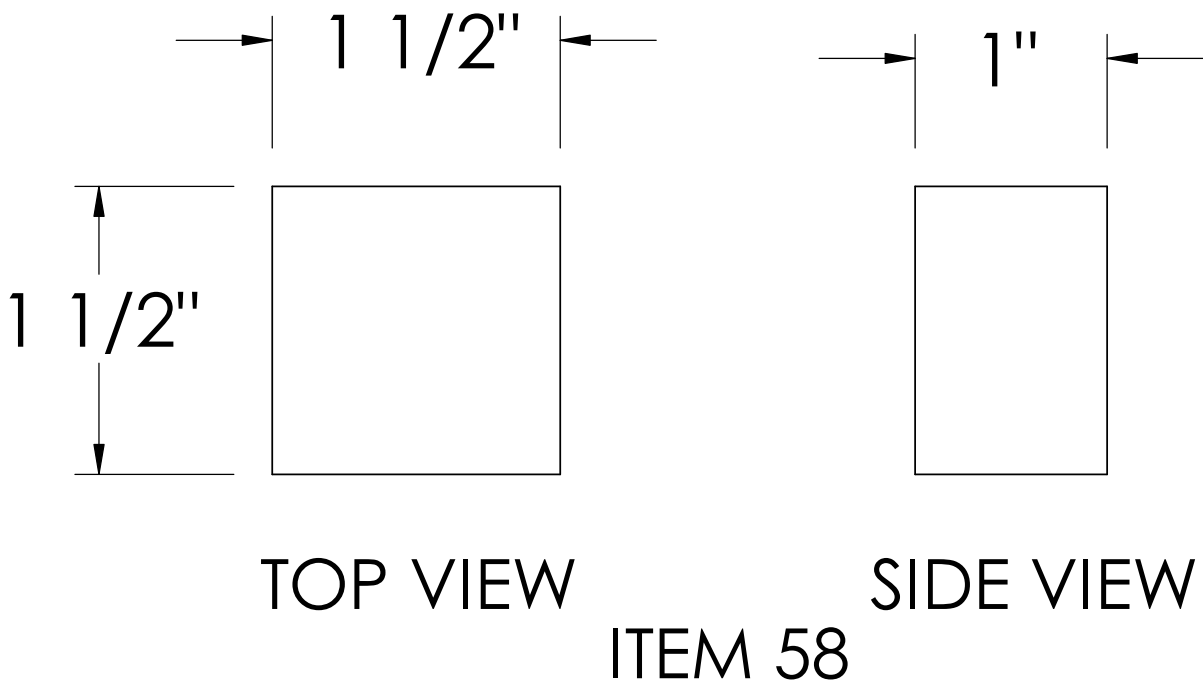
ASSEMBLY 2 AND 3 OF SHEET 3

	NAME	DATE	<b>FIRST</b>		
DRAWN	PMR	7-2010	200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907		
CHECKED			TITLE:		
ENG APPR.			ROLLING GOAL		
MFG APPR.			SIZE DWG. NO.		
Q.A.			D FTC1001-1		
COMMENTS:			REV		
			-		
			SCALE:		
			SHEET 5 OF 20		



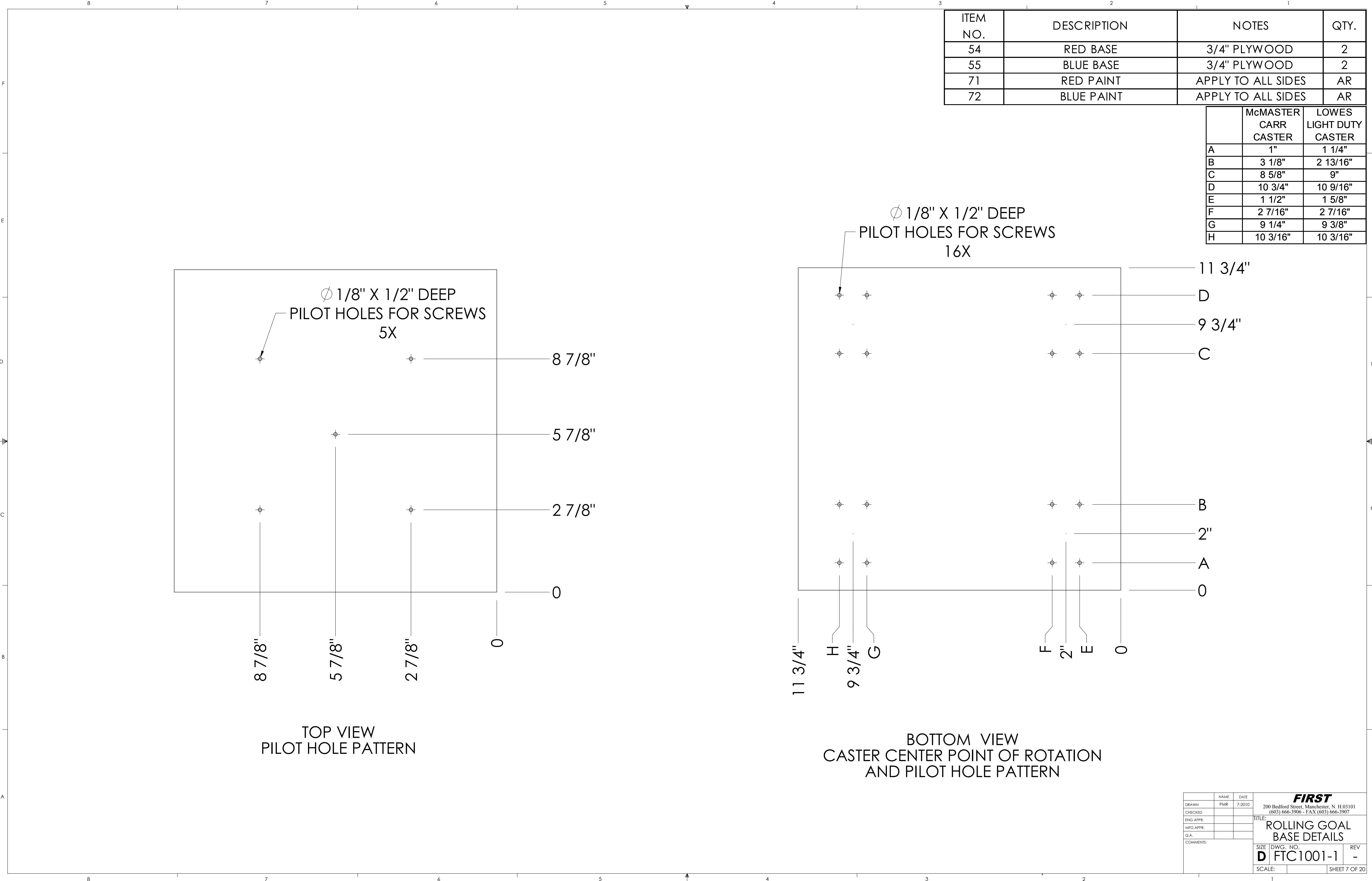
ITEM NO.	DESCRIPTION	NOTES	QTY.
61	2" IPS PVC PIPE		4
62	2" IPS PVC DRAIN		4
63	4" IPS PVC PIPE		16
64	4" IPS PVC CAP		16
65	PVC CEMENT		AR
58	2" X 2" LUMBER (NOMINAL 1-1/2" X 1-1/2")	SAME STARTING MATERIAL AS ITEM 82	4

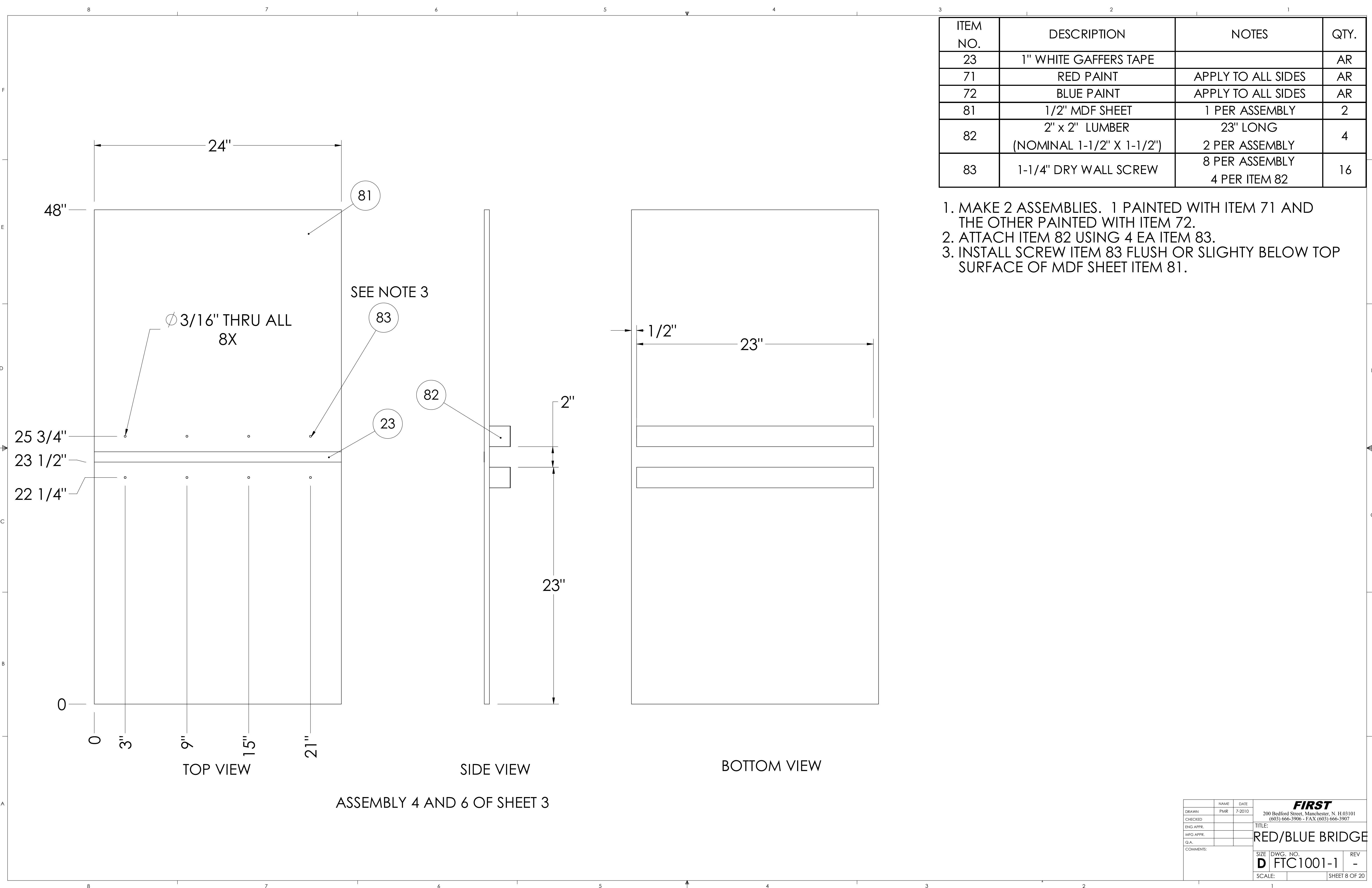
NOTE:  
1. GLUE ITEM 61 TO 62 USING GLUE ITEM 65.  
2. GLUE ITEM 63 TO 64 USING GLUE ITEM 65.



	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907	
DRAWN	PMR	7-2010		
CHECKED				
ENG APPR.				
MFG APPR.			TITLE <b>ROLLING GOAL DETAILS</b>	
Q.A.				
COMMENTS:			SIZE	DWG. NO.
			<b>D</b>	FTC01001-1
			SCALE: 2:1	REV -
				SHEET 6 OF 20





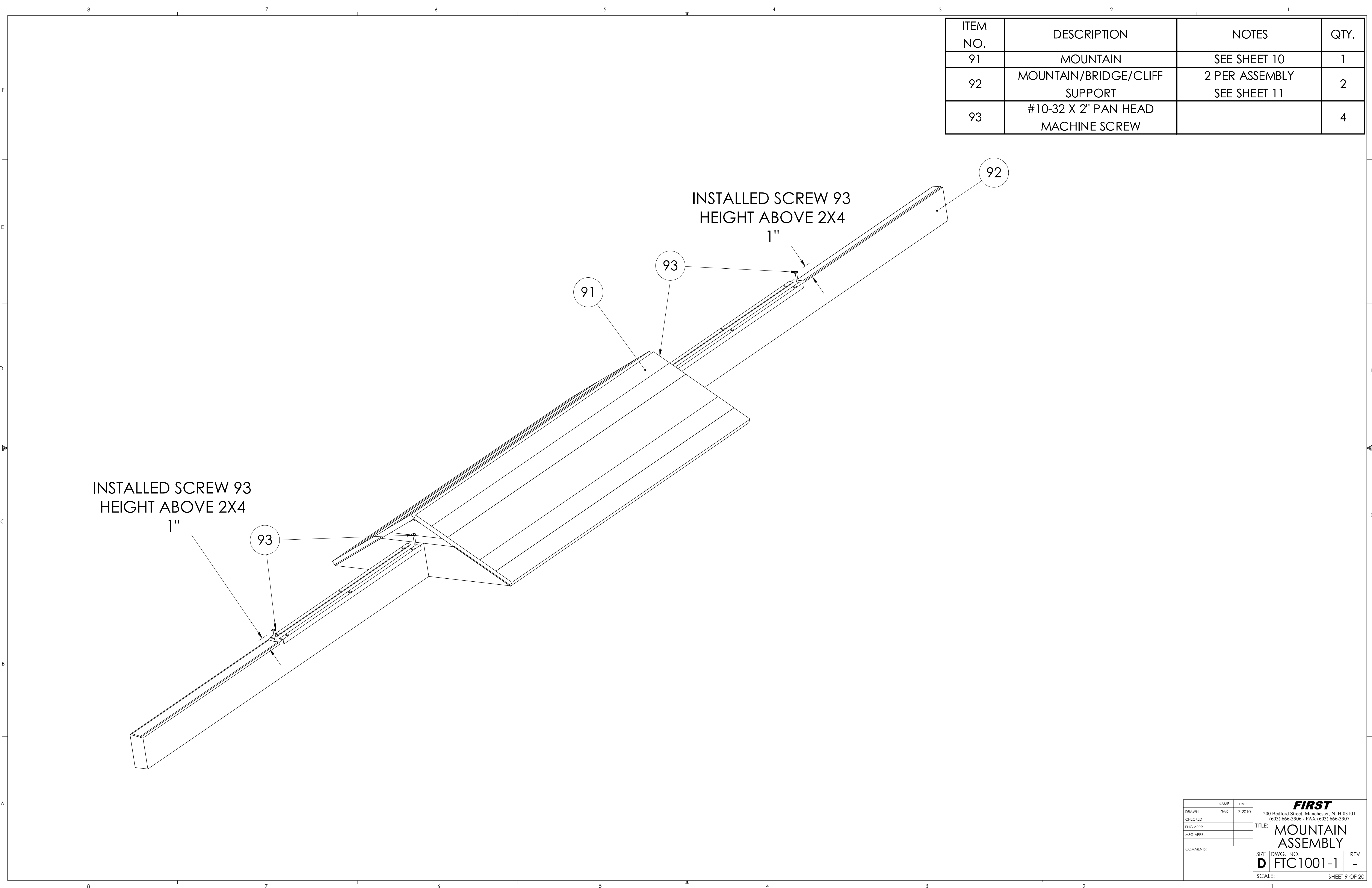


ITEM NO.	DESCRIPTION	NOTES	QTY.
23	1" WHITE GAFFERS TAPE		AR
71	RED PAINT	APPLY TO ALL SIDES	AR
72	BLUE PAINT	APPLY TO ALL SIDES	AR
81	1/2" MDF SHEET	1 PER ASSEMBLY	2
82	2" x 2" LUMBER (NOMINAL 1-1/2" X 1-1/2")	23" LONG 2 PER ASSEMBLY	4
83	1-1/4" DRY WALL SCREW	8 PER ASSEMBLY 4 PER ITEM 82	16

1. MAKE 2 ASSEMBLIES. 1 PAINTED WITH ITEM 71 AND THE OTHER PAINTED WITH ITEM 72.
2. ATTACH ITEM 82 USING 4 EA ITEM 83.
3. INSTALL SCREW ITEM 83 FLUSH OR SLIGHTY BELOW TOP SURFACE OF MDF SHEET ITEM 81.

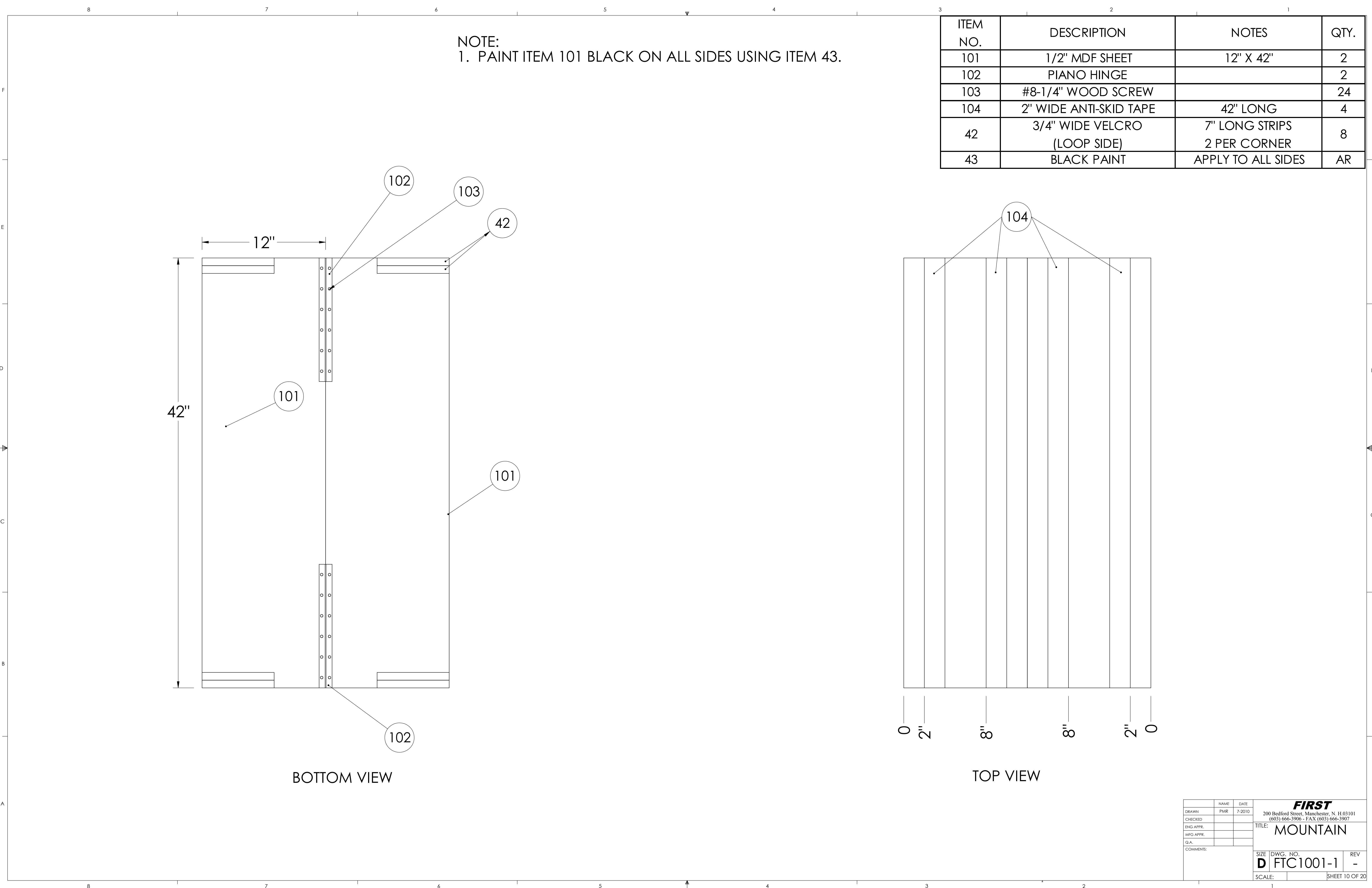
	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907	
DRAWN	PMR	7-2010		
CHECKED				
ENG APPR.				
MFG APPR.			TITLE: RED/BLUE BRIDGE	
Q.A.				
COMMENTS:			SIZE	DWG. NO.
			D	FTC1001-1
			SCALE:	REV -
				SHEET 8 OF 20





ITEM NO.	DESCRIPTION	NOTES	QTY.
91	MOUNTAIN	SEE SHEET 10	1
92	MOUNTAIN/BRIDGE/CLIFF SUPPORT	2 PER ASSEMBLY SEE SHEET 11	2
93	#10-32 X 2" PAN HEAD MACHINE SCREW		4

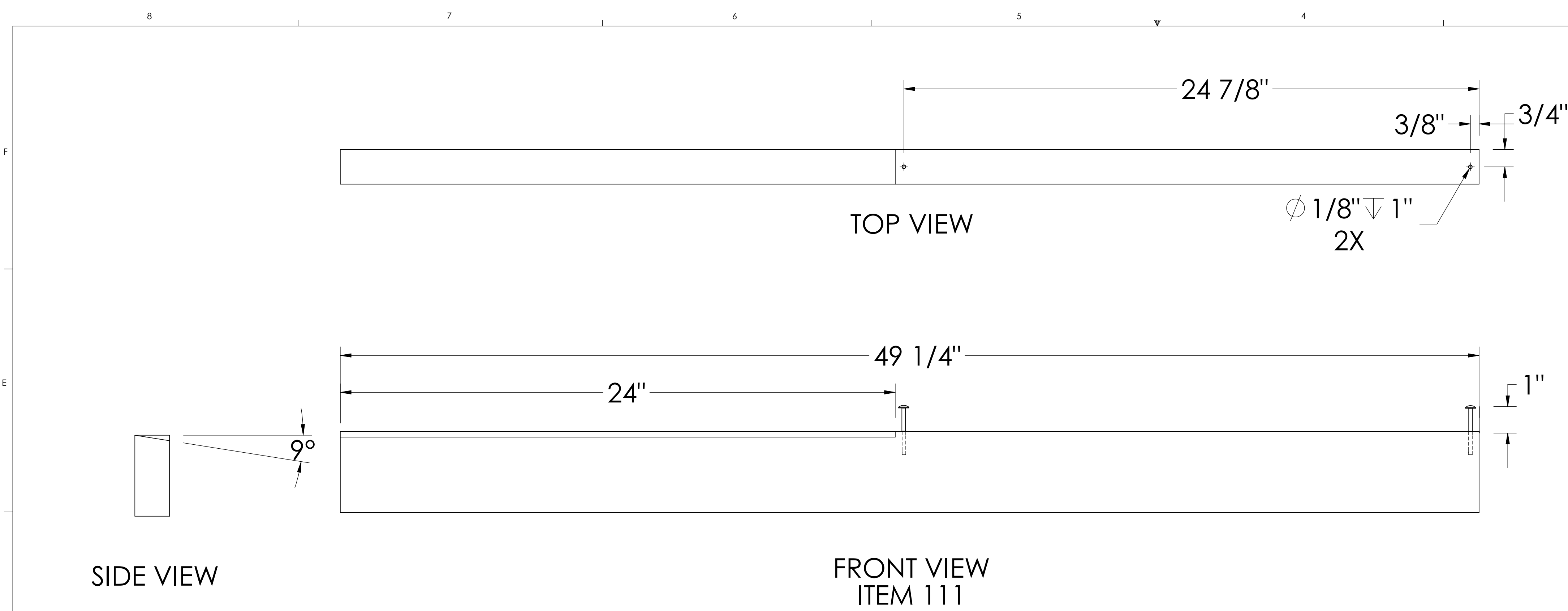
	NAME	DATE	<b>FIRST</b>		
DRAWN	PMR	7-2010	200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907		
CHECKED			TITLE: <b>MOUNTAIN ASSEMBLY</b>		
ENG APPR.					
MFG APPR.					
COMMENTS:			SIZE	DWG. NO.	REV
			<b>D</b>	FTC1001-1	-
			SCALE:		SHEET 9 OF 20



NOTE:  
1. PAINT ITEM 101 BLACK ON ALL SIDES USING ITEM 43.

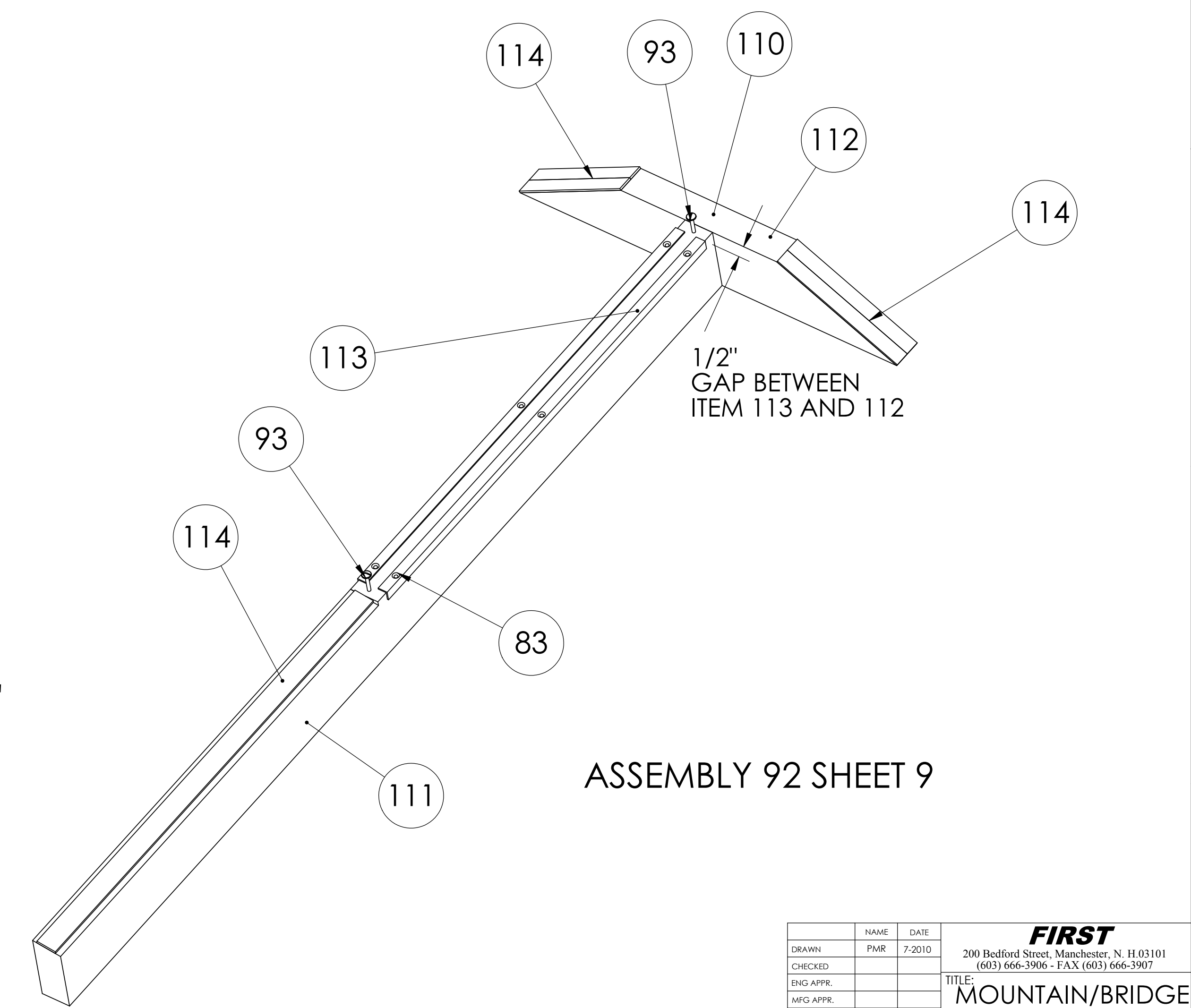
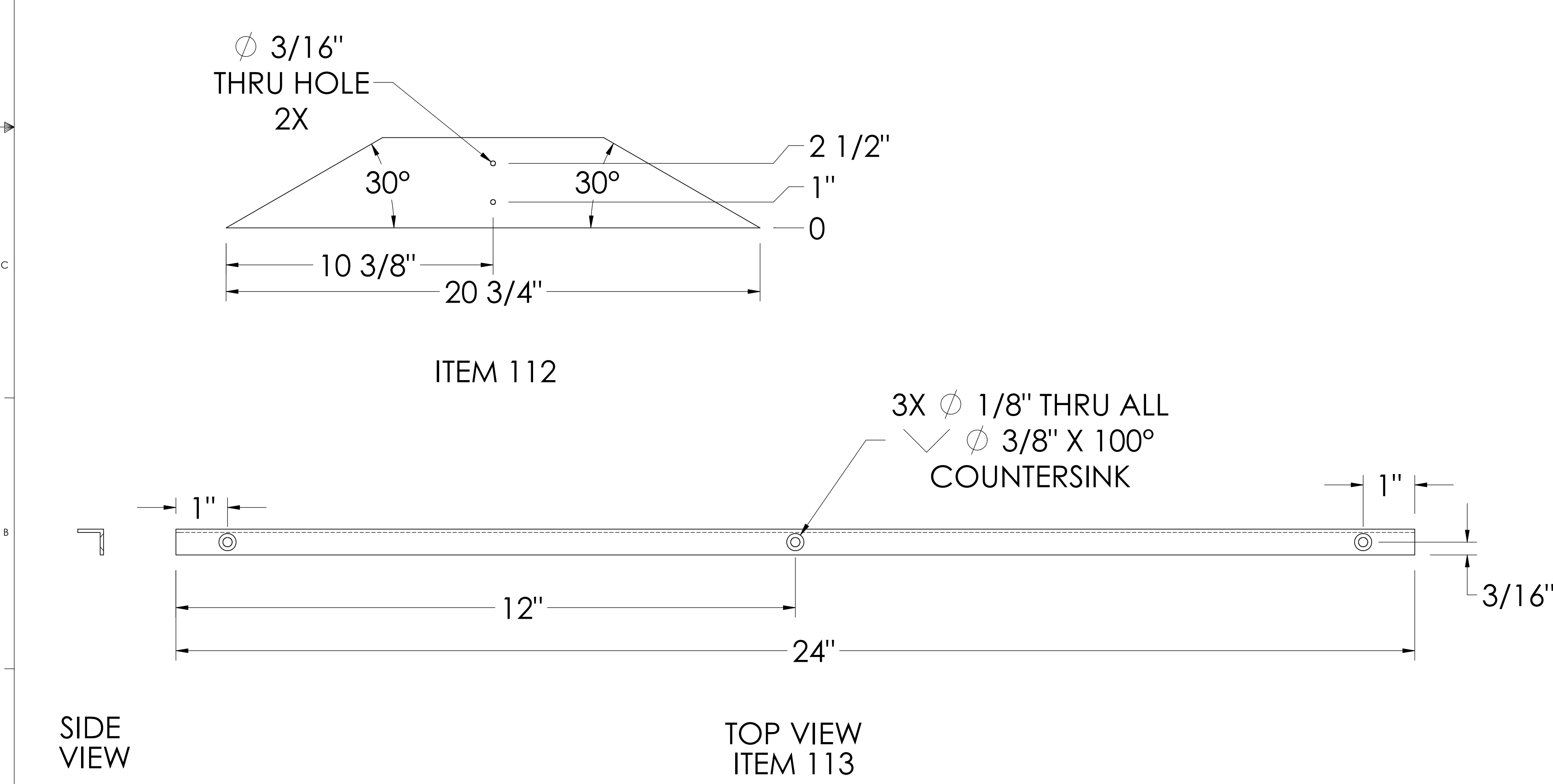
ITEM NO.	DESCRIPTION	NOTES	QTY.
101	1/2" MDF SHEET	12" X 42"	2
102	PIANO HINGE		2
103	#8-1/4" WOOD SCREW		24
104	2" WIDE ANTI-SKID TAPE	42" LONG	4
42	3/4" WIDE VELCRO (LOOP SIDE)	7" LONG STRIPS 2 PER CORNER	8
43	BLACK PAINT	APPLY TO ALL SIDES	AR

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DRAWN		PMR	7-2010		
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.				TITLE: MOUNTAIN	
COMMENTS:					
SIZE		DWG. NO.		REV	
D		FTC1001-1		-	
SCALE:				SHEET 10 OF 20	



ITEM NO.	DESCRIPTION	NOTES	QTY.
43	BLACK PAINT	APPLY TO ALL SIDES	AR
83	1 1/4" DRY WALL SCREW	6 PER ASSEMBLY	12
93	#10-32 X 2" PAN HEAD MACHINE SCREW		
110	2-1/2" WOOD SCREW	2 PER ASSEMBLY	4
111	2 x 4	49 1/4" 1 PER ASSEMBLY	2
112	2 x 4	20 3/4" 1 PER ASSEMBLY	2
113	1/2" X 1/2" X 1/16" ALUMINUM ANGLE	24" 2 PER ASSEMBLY	4
114	3/4" WIDE VELCRO (HOOK SIDE)	2 - 24" LENGTHS (1 PER ASSEMBLY) 8 - 7" LENGTHS (4 PER ASSEMBLY)	104"

NOTE:  
1. ATTACH ITEM 111 TO ITEM 112 USING TWO ITEM 110 SCREWS.  
2. PAINT ALL SIDE WITH BLACK PAINT ITEM 43.

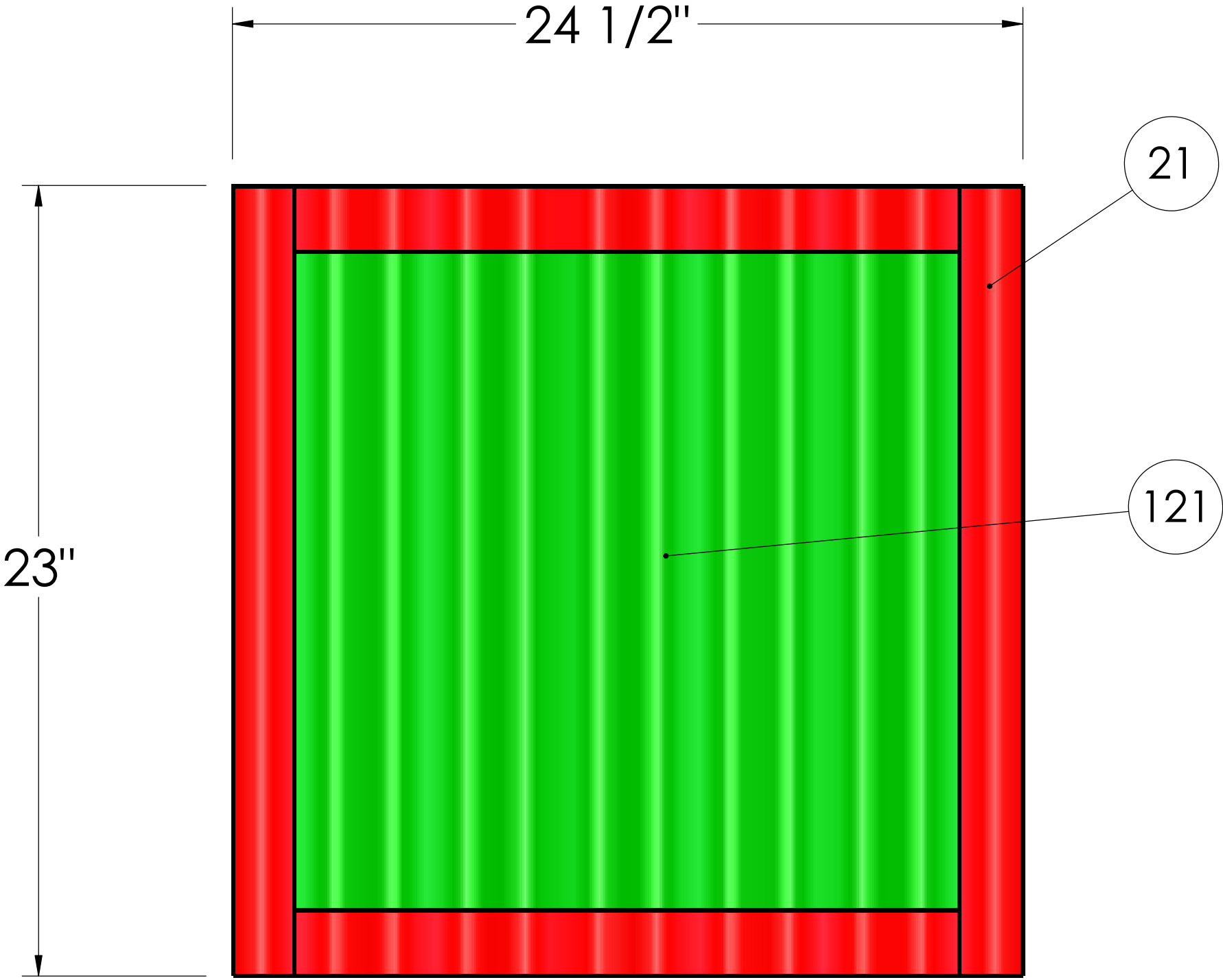


ASSEMBLY 92 SHEET 9

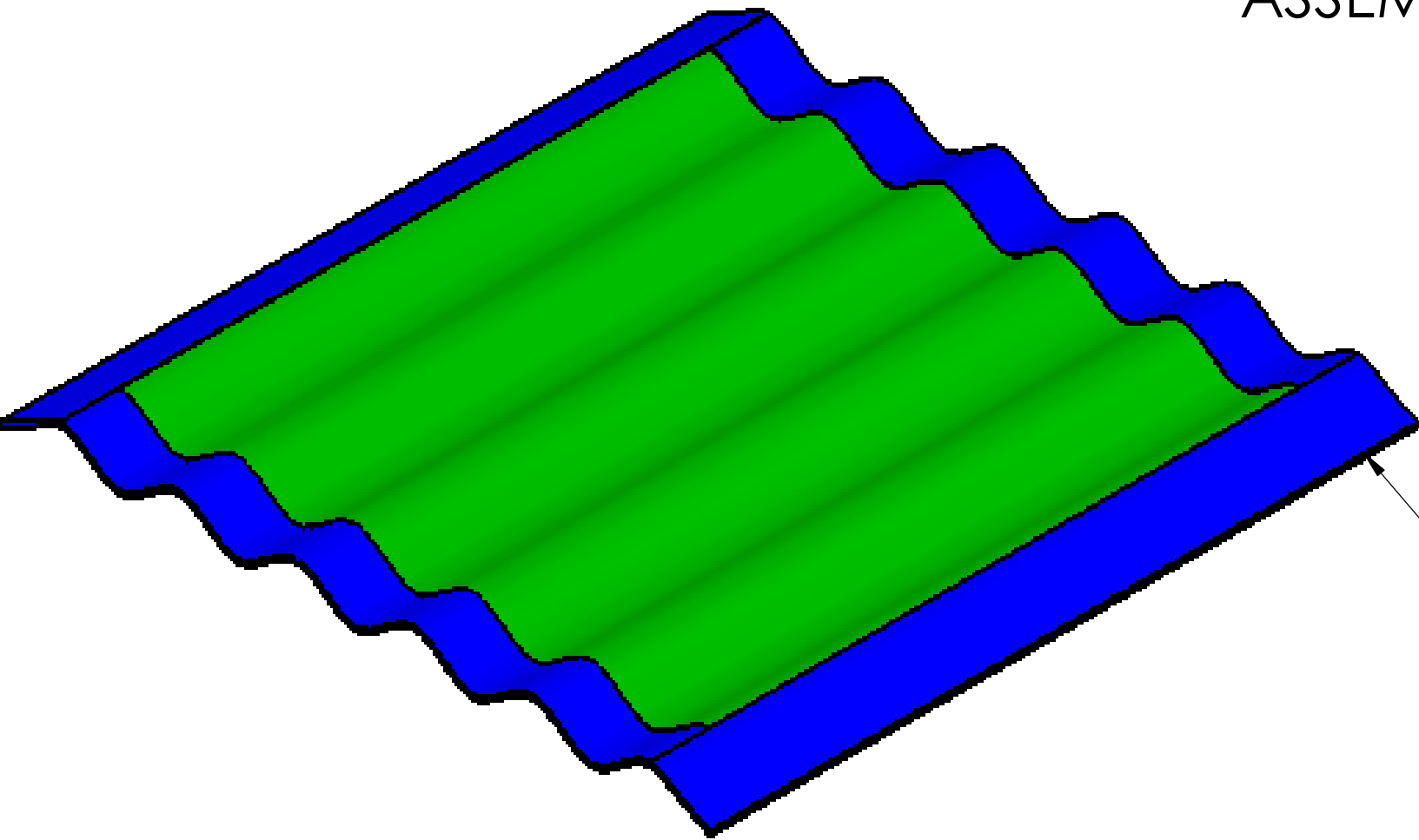
	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907	
DRAWN	PMR	7-2010		
CHECKED				
ENG APPR.				
MFG APPR.			TITLE: MOUNTAIN/BRIDGE CLIFF SUPPORT	
Q.A.			SIZE DWG. NO. REV	
COMMENTS:			D FTC1001-1 -	
			SCALE:	SHEET 11 OF 20

ITEM NO.	DESCRIPTION	NOTES	QTY.
21	2" RED GAFFERS TAPE		AR
22	2" BLUE GAFFERS TAPE		AR
121	CORROGATED SHEET		2

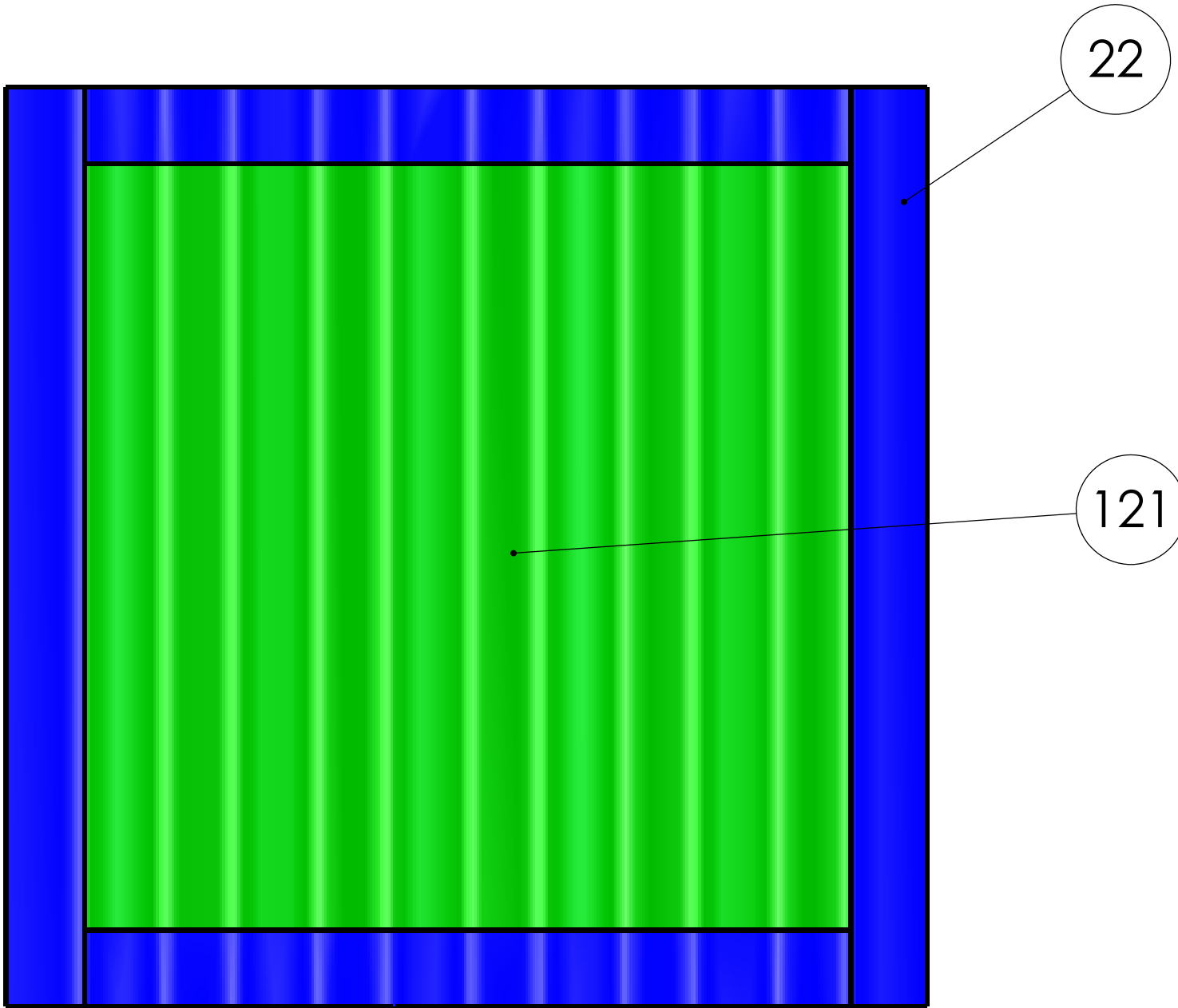
NOTE:  
1. CREATE STATIONARY GOAL BY APPLYING GAFFERS TAPE ON THE OUTSIDE EDGE OF THE PANEL ITEM 121. MAKE ONE RED AND ONE BLUE GOAL, ASSEMBLIES 7 AND 8.



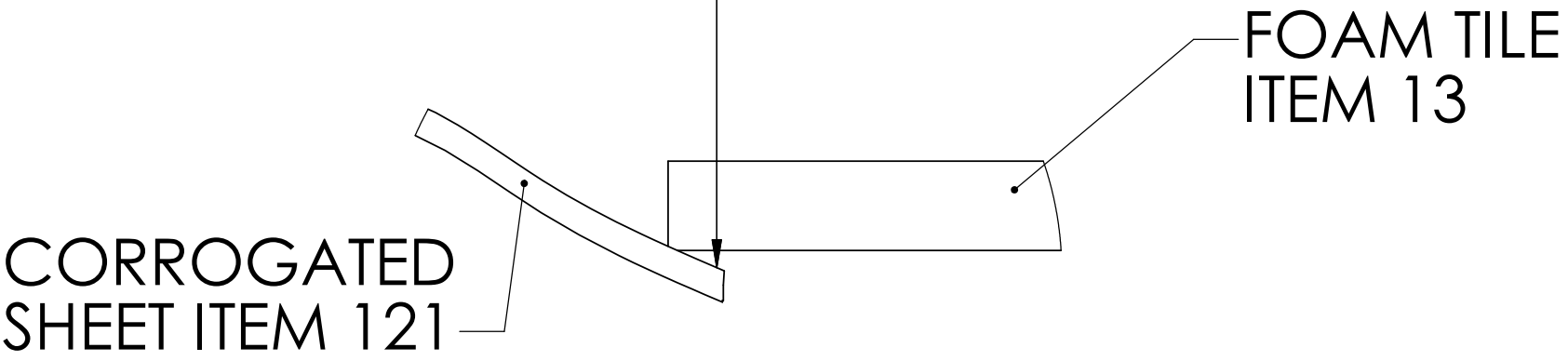
ASSEMBLY 7 SHEET 3



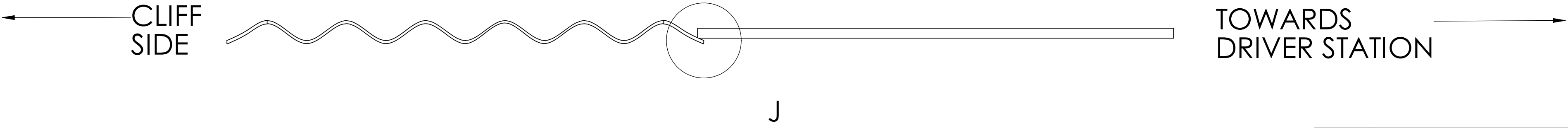
NOTE: CUT PANELS SO ATLEAST ONE EDGE CONTACTS THE FLOOR. THIS LOW EDGE MUST BE PLACED UNDER THE FLOOR TILE, ITEM 13 ON SHEET 3, NEAREST THE DRIVER STATION.

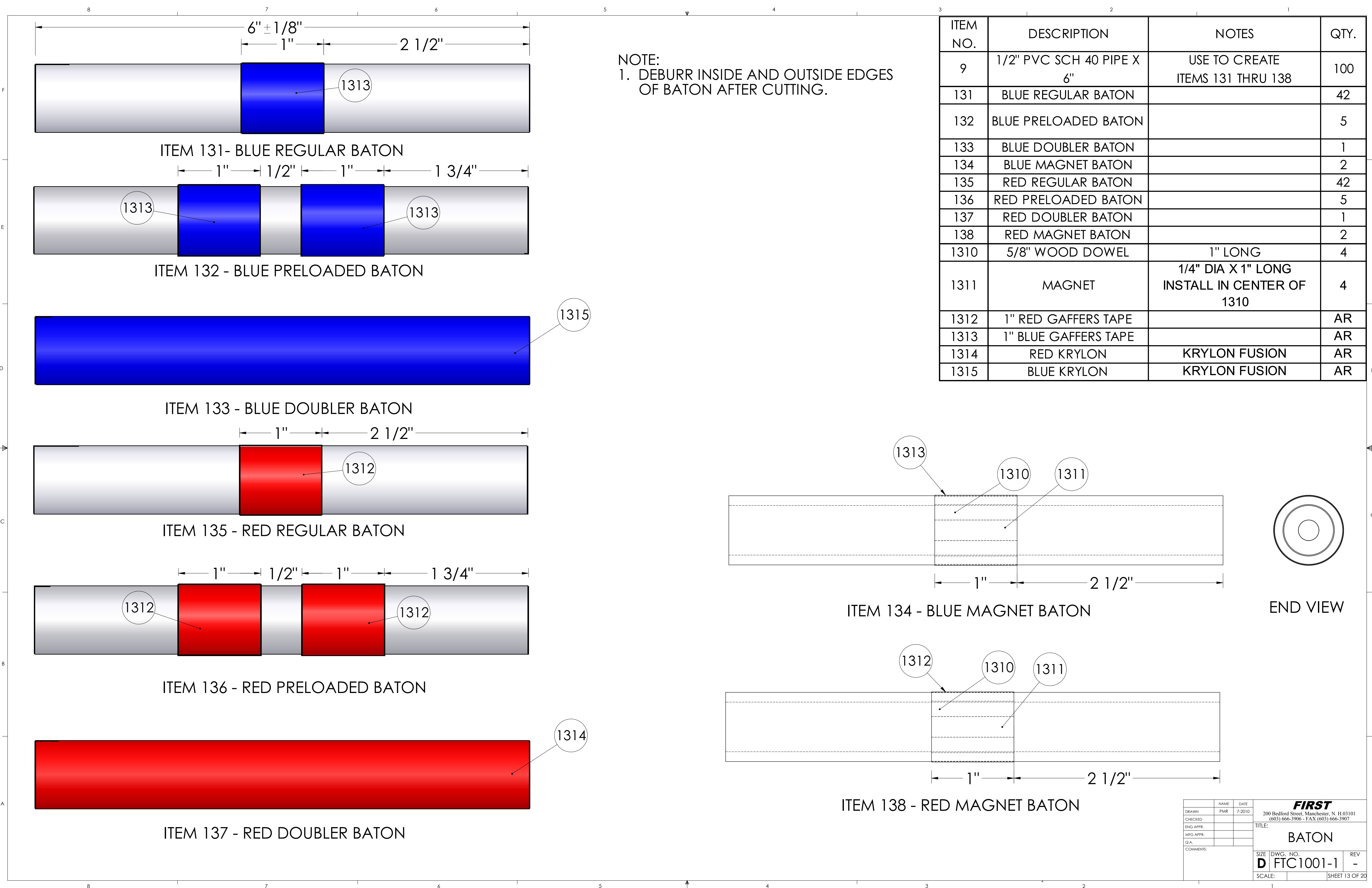


ASSEMBLY 8 SHEET 3



DETAIL J  
SCALE 1 : 1

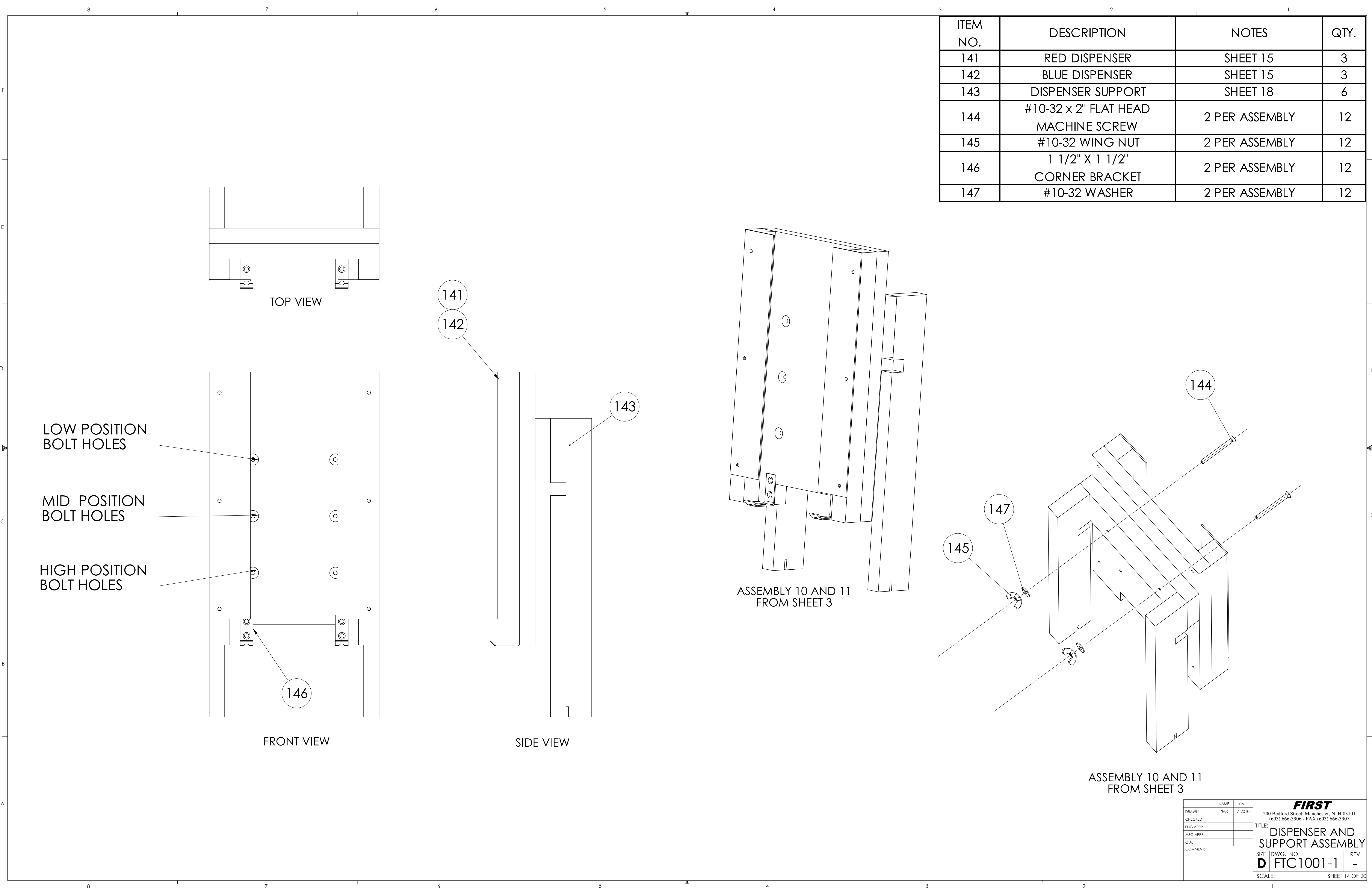




NOTE:  
1. DEBURR INSIDE AND OUTSIDE EDGES  
OF BATON AFTER CUTTING.

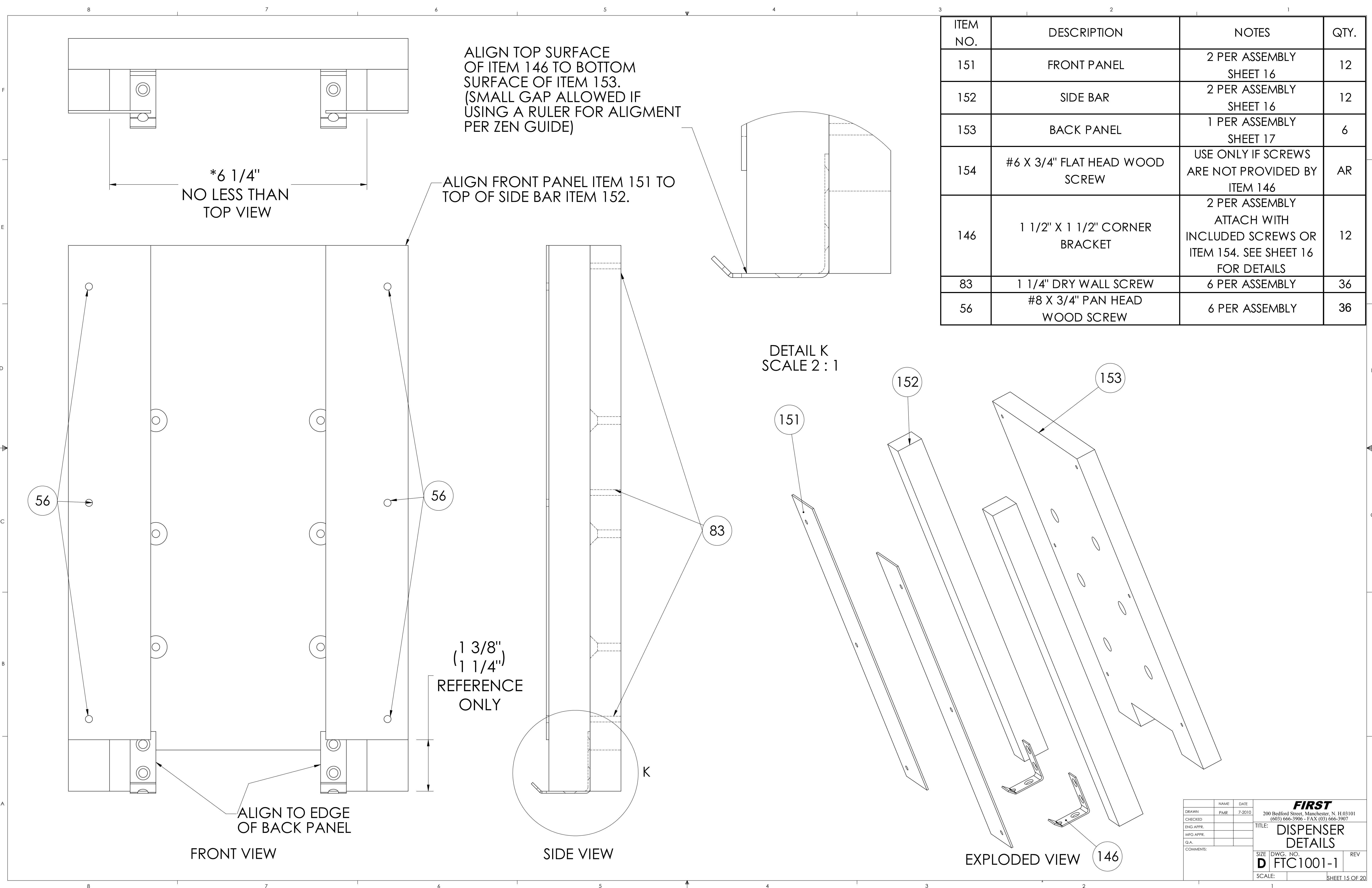
ITEM NO.	DESCRIPTION	NOTES	QTY.
9	1/2" PVC SCH 40 PIPE X 6"	USE TO CREATE ITEMS 131 THRU 138	100
131	BLUE REGULAR BATON		42
132	BLUE PRELOADED BATON		5
133	BLUE DOUBLER BATON		1
134	BLUE MAGNET BATON		2
135	RED REGULAR BATON		42
136	RED PRELOADED BATON		5
137	RED DOUBLER BATON		1
138	RED MAGNET BATON		2
1310	5/8" WOOD DOWEL	1" LONG	4
1311	MAGNET	1/4" DIA X 1" LONG INSTALL IN CENTER OF 1310	4
1312	1" RED GAFFERS TAPE		AR
1313	1" BLUE GAFFERS TAPE		AR
1314	RED KRYLON	KRYLON FUSION	AR
1315	BLUE KRYLON	KRYLON FUSION	AR

	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907	
DRAWN	PMR	7-2010		
CHECKED				
ENG APPR.				
MFG APPR.				
COMMENTS:			TITLE: <b>BATON</b>	
SIZE	DWG. NO.	REV	SHEET 13 OF 20	
D	FTC1001-1	-		
SCALE:				



ITEM NO.	DESCRIPTION	NOTES	QTY.
141	RED DISPENSER	SHEET 15	3
142	BLUE DISPENSER	SHEET 15	3
143	DISPENSER SUPPORT	SHEET 18	6
144	#10-32 x 2" FLAT HEAD MACHINE SCREW	2 PER ASSEMBLY	12
145	#10-32 WING NUT	2 PER ASSEMBLY	12
146	1 1/2" X 1 1/2" CORNER BRACKET	2 PER ASSEMBLY	12
147	#10-32 WASHER	2 PER ASSEMBLY	12

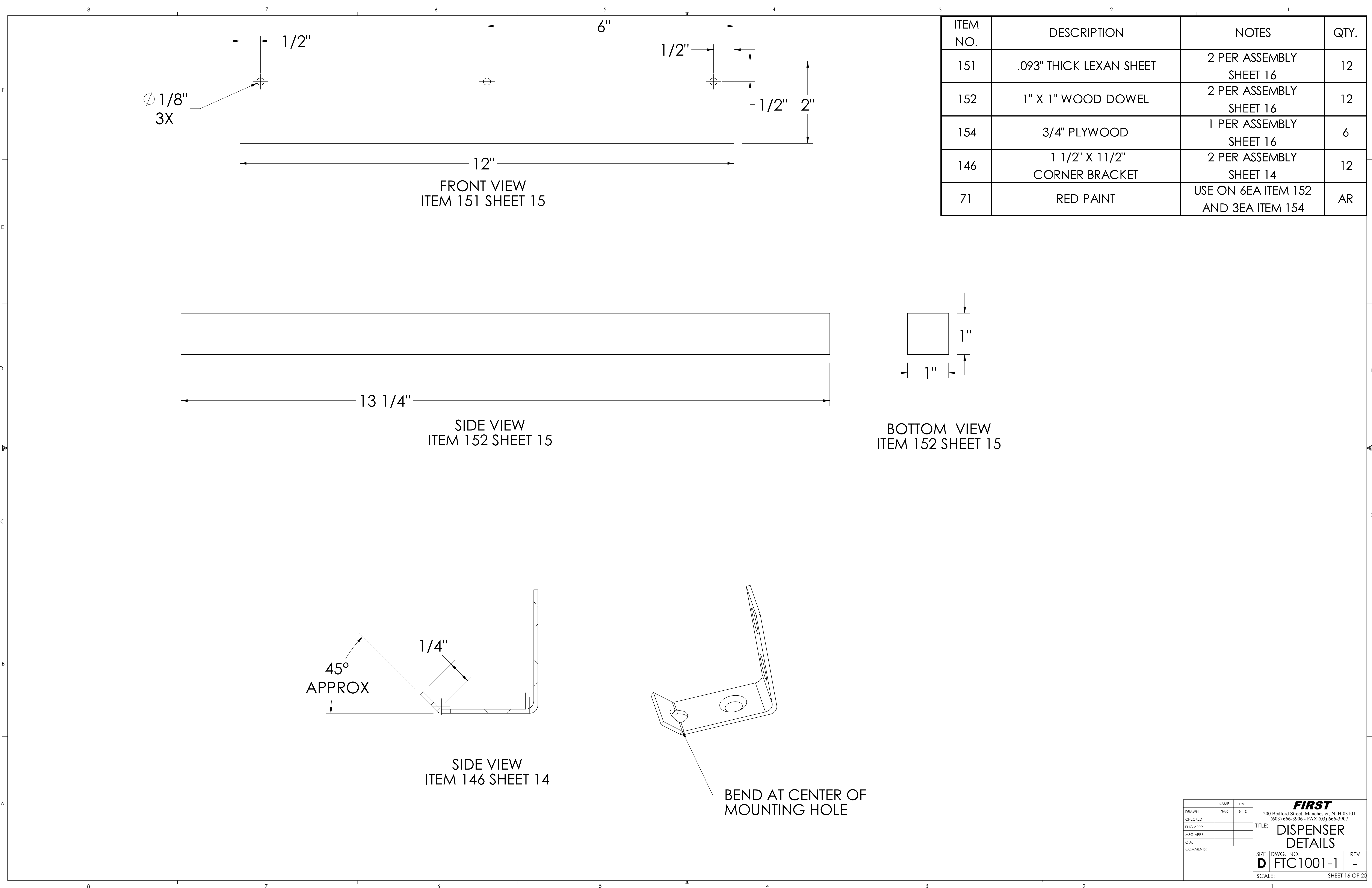
	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (603) 666-3907	
DRAWN	PMR	7-2010		
CHECKED				
ENG APPR:				
MFG APPR:			TITLE: DISPENSER AND SUPPORT ASSEMBLY	
Q.A.				
COMMENTS:			SIZE DWG. NO.	REV
			D FTC1001-1	-
SCALE:			SHEET 14 OF 20	

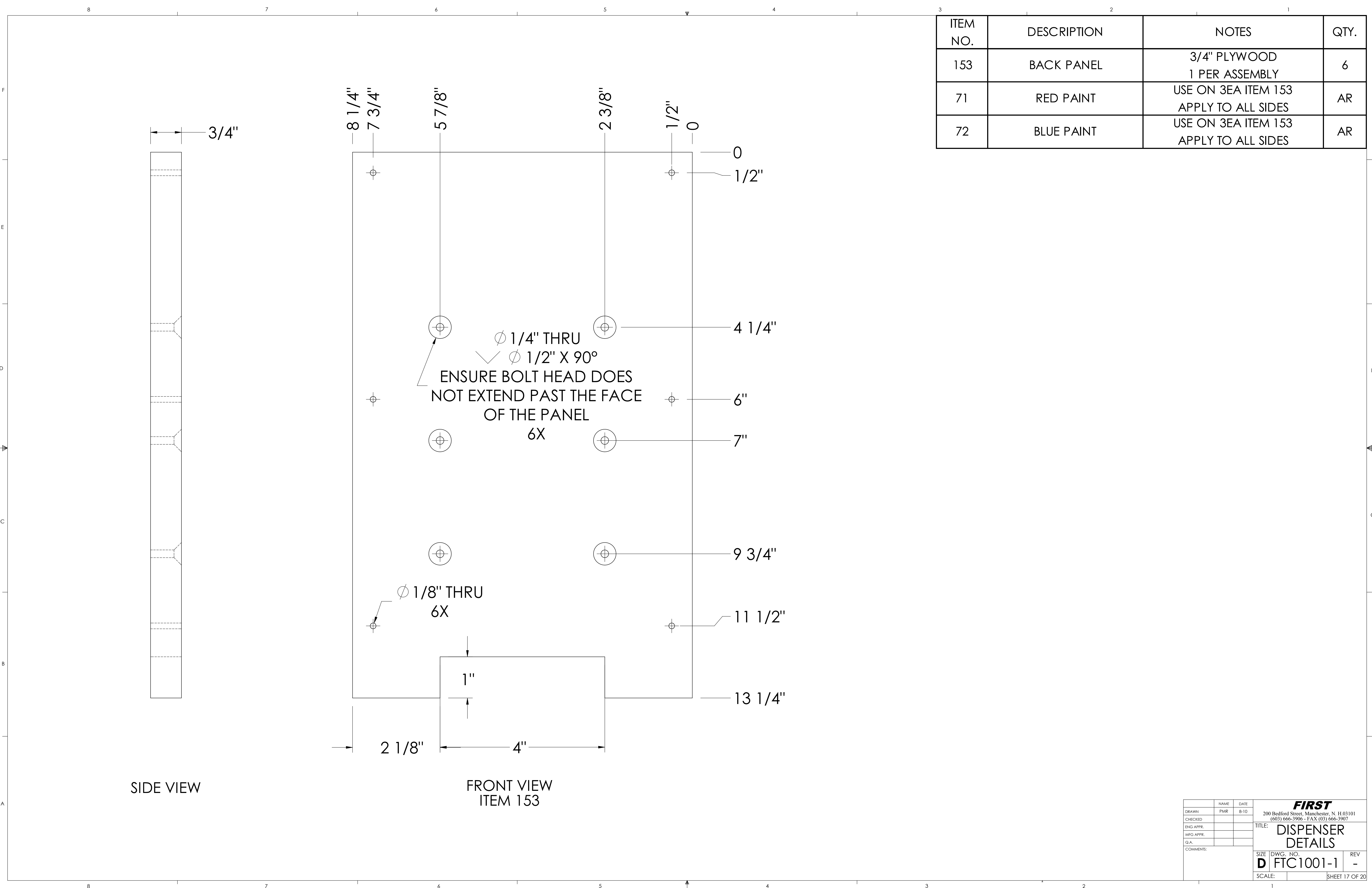


ITEM NO.	DESCRIPTION	NOTES	QTY.
151	FRONT PANEL	2 PER ASSEMBLY SHEET 16	12
152	SIDE BAR	2 PER ASSEMBLY SHEET 16	12
153	BACK PANEL	1 PER ASSEMBLY SHEET 17	6
154	#6 X 3/4" FLAT HEAD WOOD SCREW	USE ONLY IF SCREWS ARE NOT PROVIDED BY ITEM 146	AR
146	1 1/2" X 1 1/2" CORNER BRACKET	2 PER ASSEMBLY ATTACH WITH INCLUDED SCREWS OR ITEM 154. SEE SHEET 16 FOR DETAILS	12
83	1 1/4" DRY WALL SCREW	6 PER ASSEMBLY	36
56	#8 X 3/4" PAN HEAD WOOD SCREW	6 PER ASSEMBLY	36

	NAME	DATE	<b>FIRST</b>		
DRAWN	PMR	7-2010	200 Bedford Street, Manchester, N. H. 03101		
CHECKED			(603) 666-3906 - FAX (03) 666-3907		
ENG APPR.			TITLE: <b>DISPENSER DETAILS</b>		
MFG APPR.			SIZE DWG. NO. <b>D FTC1001-1</b> REV		
Q.A.			SCALE: SHEET 15 OF 20		
COMMENTS:					

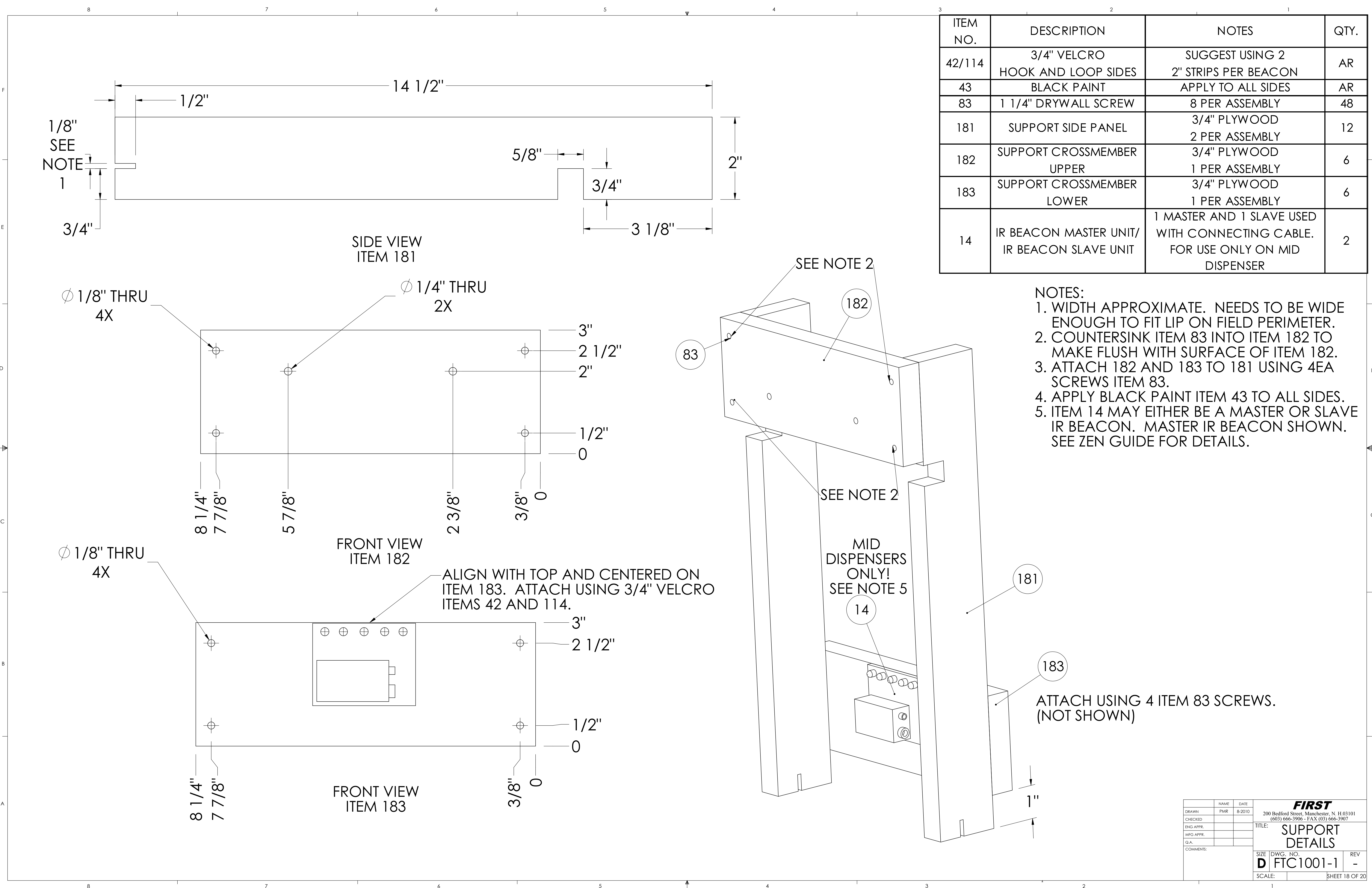






ITEM NO.	DESCRIPTION	NOTES	QTY.
153	BACK PANEL	3/4" PLYWOOD 1 PER ASSEMBLY	6
71	RED PAINT	USE ON 3EA ITEM 153 APPLY TO ALL SIDES	AR
72	BLUE PAINT	USE ON 3EA ITEM 153 APPLY TO ALL SIDES	AR

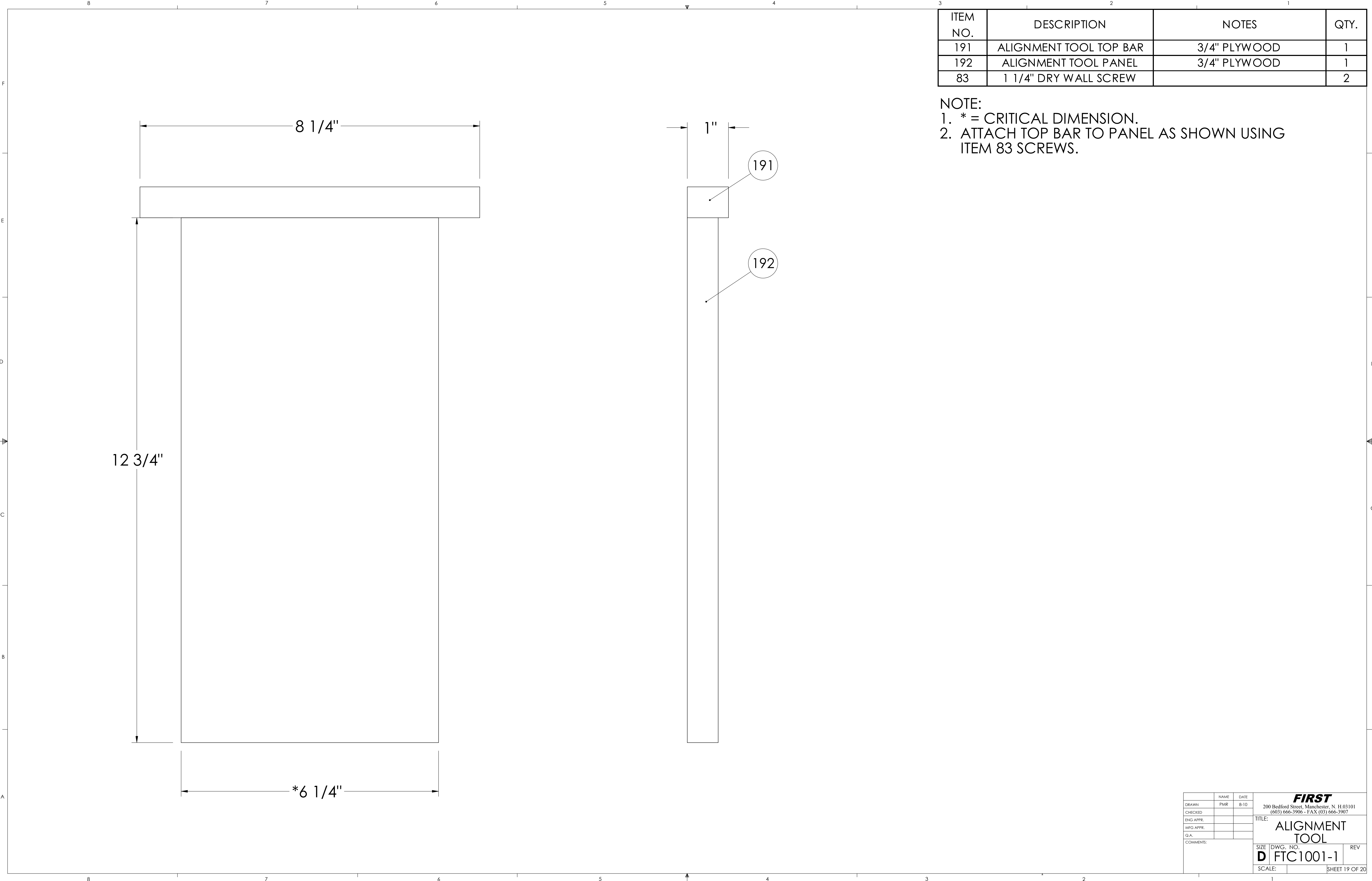
	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (03) 666-3907		
DRAWN	PMR	8-10			
CHECKED			TITLE: <b>DISPENSER DETAILS</b>		
ENG APPR.					
MFG APPR.					
Q.A.					
COMMENTS:			SIZE	DWG. NO.	REV
			<b>D</b>	FTC1001-1	-
			SCALE:		SHEET 17 OF 20

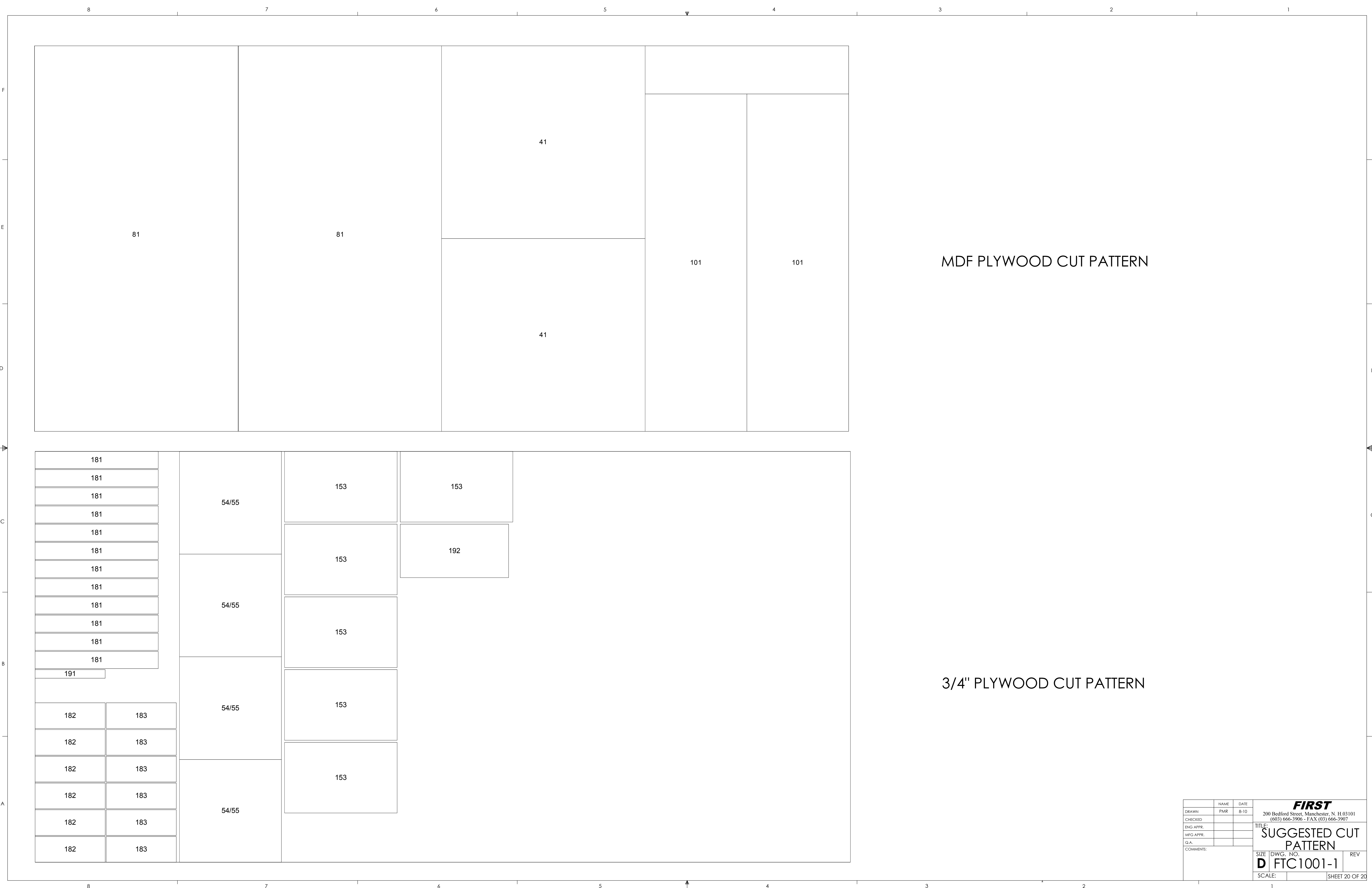


ITEM NO.	DESCRIPTION	NOTES	QTY.
42/114	3/4" VELCRO HOOK AND LOOP SIDES	SUGGEST USING 2 2" STRIPS PER BEACON	AR
43	BLACK PAINT	APPLY TO ALL SIDES	AR
83	1 1/4" DRYWALL SCREW	8 PER ASSEMBLY	48
181	SUPPORT SIDE PANEL	3/4" PLYWOOD 2 PER ASSEMBLY	12
182	SUPPORT CROSSMEMBER UPPER	3/4" PLYWOOD 1 PER ASSEMBLY	6
183	SUPPORT CROSSMEMBER LOWER	3/4" PLYWOOD 1 PER ASSEMBLY	6
14	IR BEACON MASTER UNIT/ IR BEACON SLAVE UNIT	1 MASTER AND 1 SLAVE USED WITH CONNECTING CABLE. FOR USE ONLY ON MID DISPENSER	2

- NOTES:
1. WIDTH APPROXIMATE. NEEDS TO BE WIDE ENOUGH TO FIT LIP ON FIELD PERIMETER.
  2. COUNTERSINK ITEM 83 INTO ITEM 182 TO MAKE FLUSH WITH SURFACE OF ITEM 182.
  3. ATTACH 182 AND 183 TO 181 USING 4EA SCREWS ITEM 83.
  4. APPLY BLACK PAINT ITEM 43 TO ALL SIDES.
  5. ITEM 14 MAY EITHER BE A MASTER OR SLAVE IR BEACON. MASTER IR BEACON SHOWN. SEE ZEN GUIDE FOR DETAILS.

	NAME	DATE	<b>FIRST</b> 200 Bedford Street, Manchester, N. H. 03101 (603) 666-3906 - FAX (03) 666-3907	
DRAWN	PMR	8-2010		
CHECKED			TITLE: <b>SUPPORT DETAILS</b>	
ENG APPR:				
MFG APPR:			SIZE DWG. NO. REV <b>D</b> FTC1001-1 -	
Q.A.				
COMMENTS:			SCALE:	SHEET 18 OF 20





MDF PLYWOOD CUT PATTERN

3/4" PLYWOOD CUT PATTERN

	NAME	DATE	<b><i>FIRST</i></b>		
DRAWN	PMR	8-10	200 Bedford Street, Manchester, N. H. 03101		
CHECKED			(603) 666-3906 - FAX (03) 666-3907		
ENG APPR.			TITLE:		
MFG APPR.			<b>SUGGESTED CUT PATTERN</b>		
Q.A.					
COMMENTS:			SIZE	DWG. NO.	REV
			<b>D</b>	<b>FTC1001-1</b>	
			SCALE:		SHEET 20 OF 20