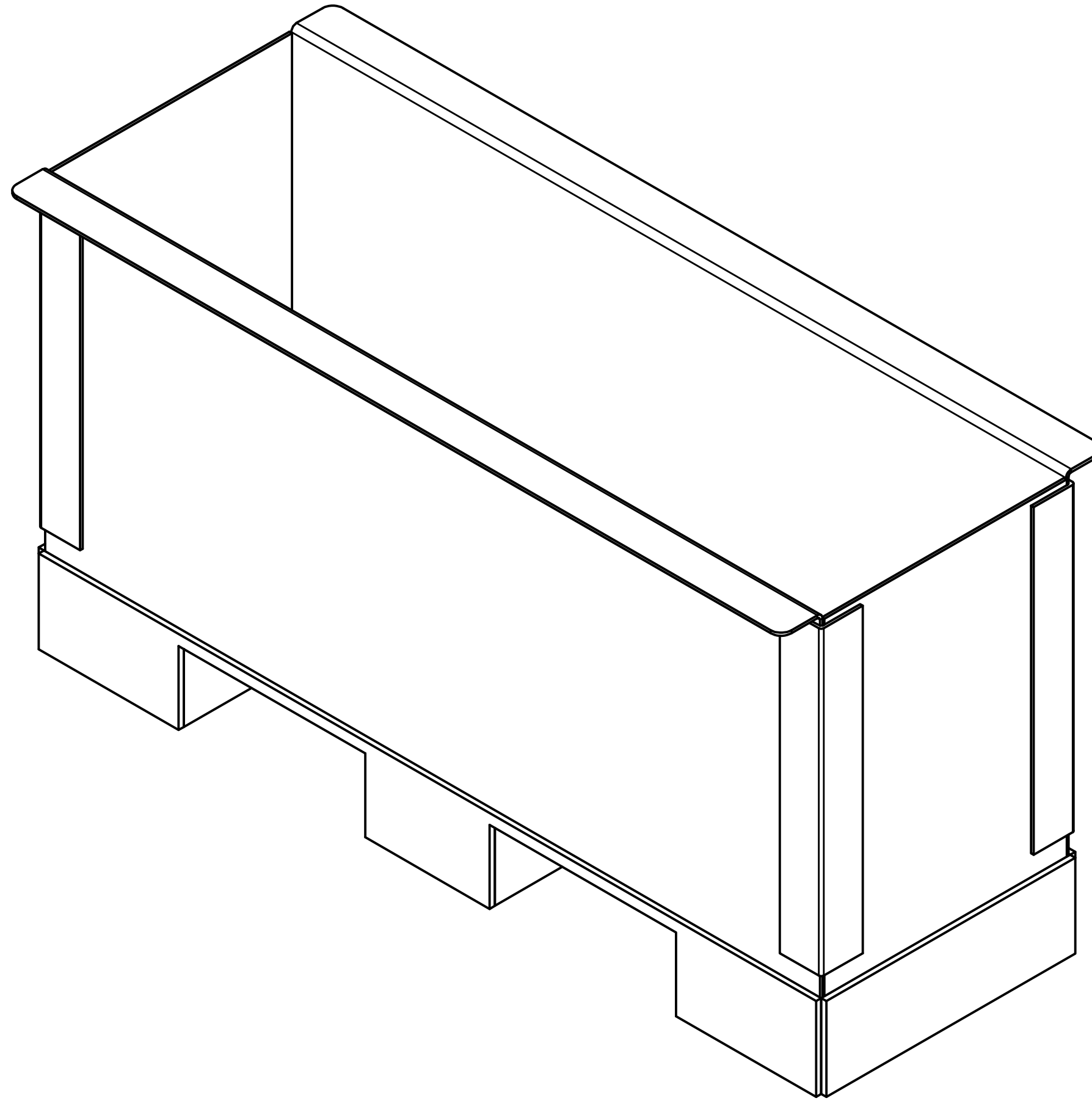


**SkillsUSA Florida  
State Contest 2024  
WELDING FABRICATION**



**TASKS: TEAMS WILL HAVE FOUR HOURS TO COMPLETE THE BIN PROJECT.  
 ALL DIMENSIONS ARE IN INCHES. PROJECT CAN BE SUBASSEMBLED  
 AND WELDED IN ANY POSITION. TEAMS MUST USE TECHNIQUES TO MINIMIZE  
 WARPAGE. ALL SHARP EDGES MUST BE REMOVED. ALL BENDS IN MATERIAL WILL BE PRE BENT.**

**TOOLS SUPPLIED: BENCH VICE, 1- 4 1/2" GRINDER WITH STONE WHEEL,  
 FLAP WHEEL, SOAP STONE, VICTOR CUTTING HEAD AND AN EXTENSION CORD.**

**TOOLS NEEDED: COMBINATION SQUARE, TAPE MEASURE, HAMMER, COMPASS,  
 FILE, WIRE BRUSH, EXTENSION CORD (FOR BACK UP), GRINDER (FOR BACK UP)  
 CLAMPS, ANY OTHER NECESSARY ITEMS.**

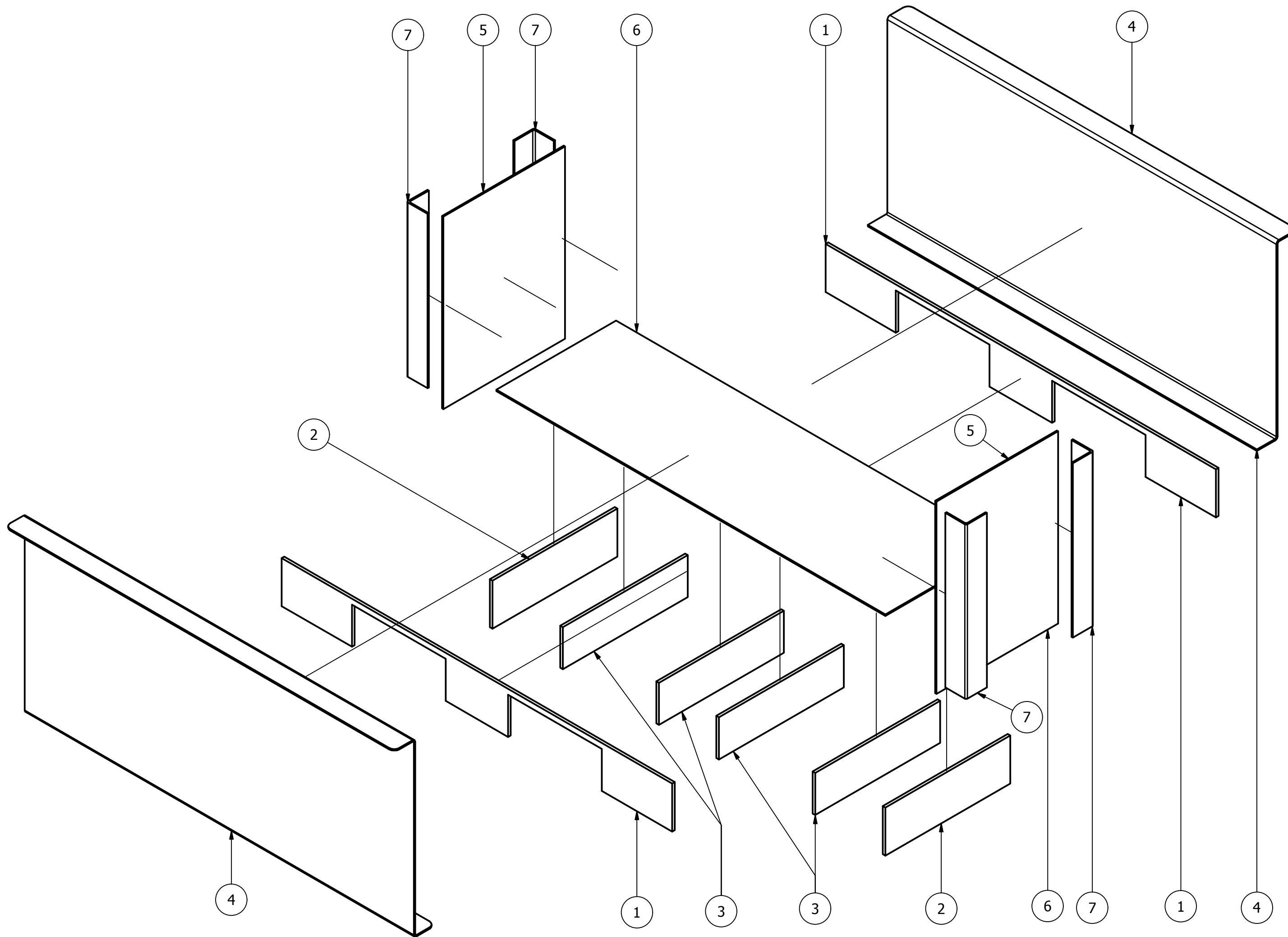
**WELDS:**

**GMAW- E70S-6    .035" WIRE**  
**SMAW- E6010    3/32" OR 1/8 "**  
           **E7018     3/32" OR 1/8 "**  
**GTAW- E70S-2    3/32" OR 1/8" ROD**

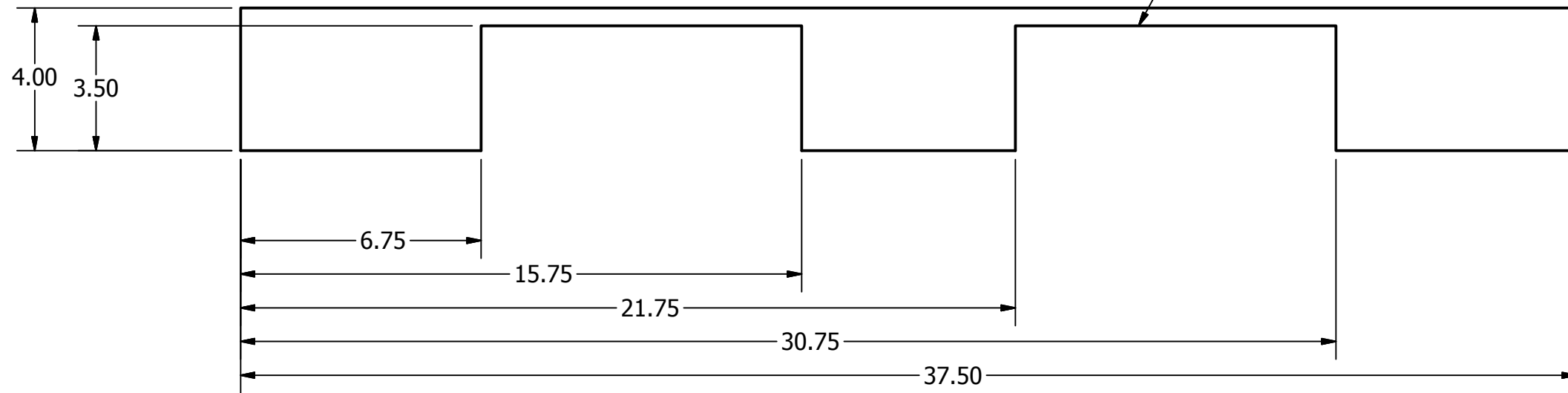
**CLEAN ALL WELDS PRIOR TO TURNING IN PROJECT.**

DRAWN J.YENKEL	2/25/2020	<b>NOTES</b>		
CHECKED				
QA				
MFG				
APPROVED		SIZE C	DWG NO BIN ASSEMBLY DRAWING	REV
		SCALE	SHEET 2 OF 9	

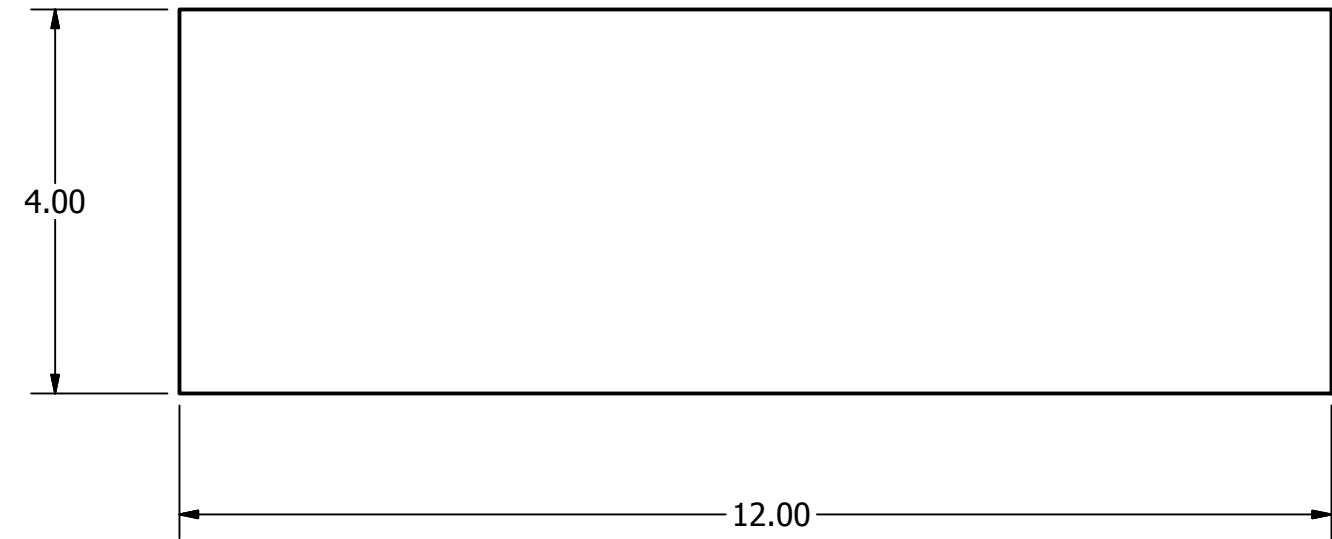
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	BIN STAND - FRONT /BACK	
4	2	BIN - MAIN SIDE	
5	2	BIN - SIDE	
6	1	BIN - BOTTOM	
7	4	BIN- SIDE ANGLE	
6	1	BIN - BOTTOM	
7	5	BIN - SIDE ANGLE	



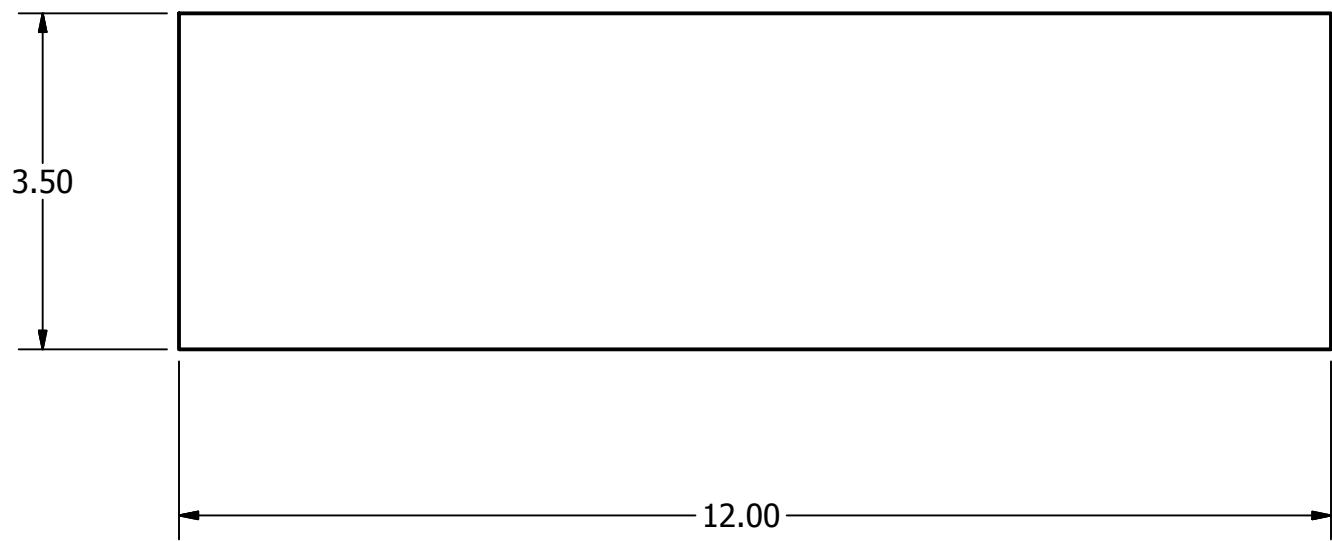
DRAWN J.YENKEL	2/25/2020	TITLE	
CHECKED		FINAL ASSEMBLY EXPLODED VIEW	
QA		SIZE	DWG NO
MFG		C	BIN ASSEMBLY DRAWING
APPROVED		SCALE	REV
			SHEET 3 OF 9



ITEM 1  
BIN STAND - FRONT / BACK

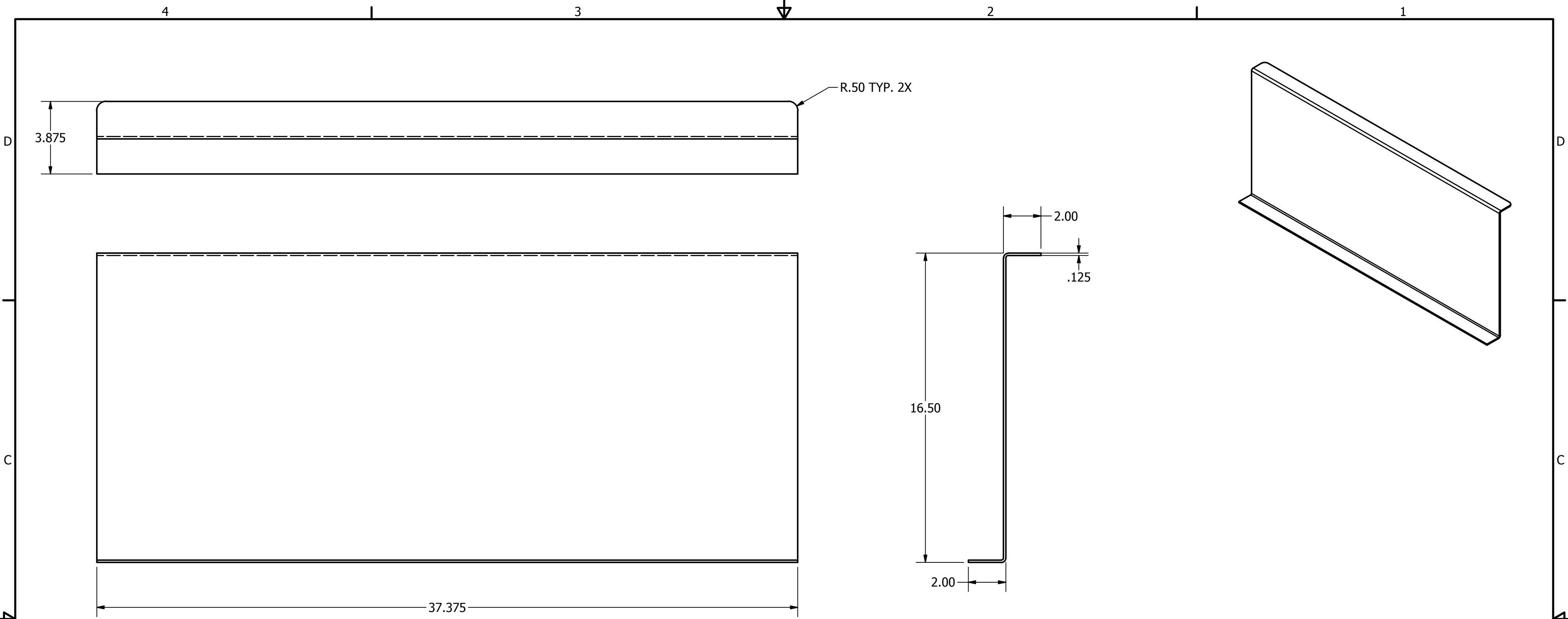


ITEM 2  
BIN STAND - SIDE

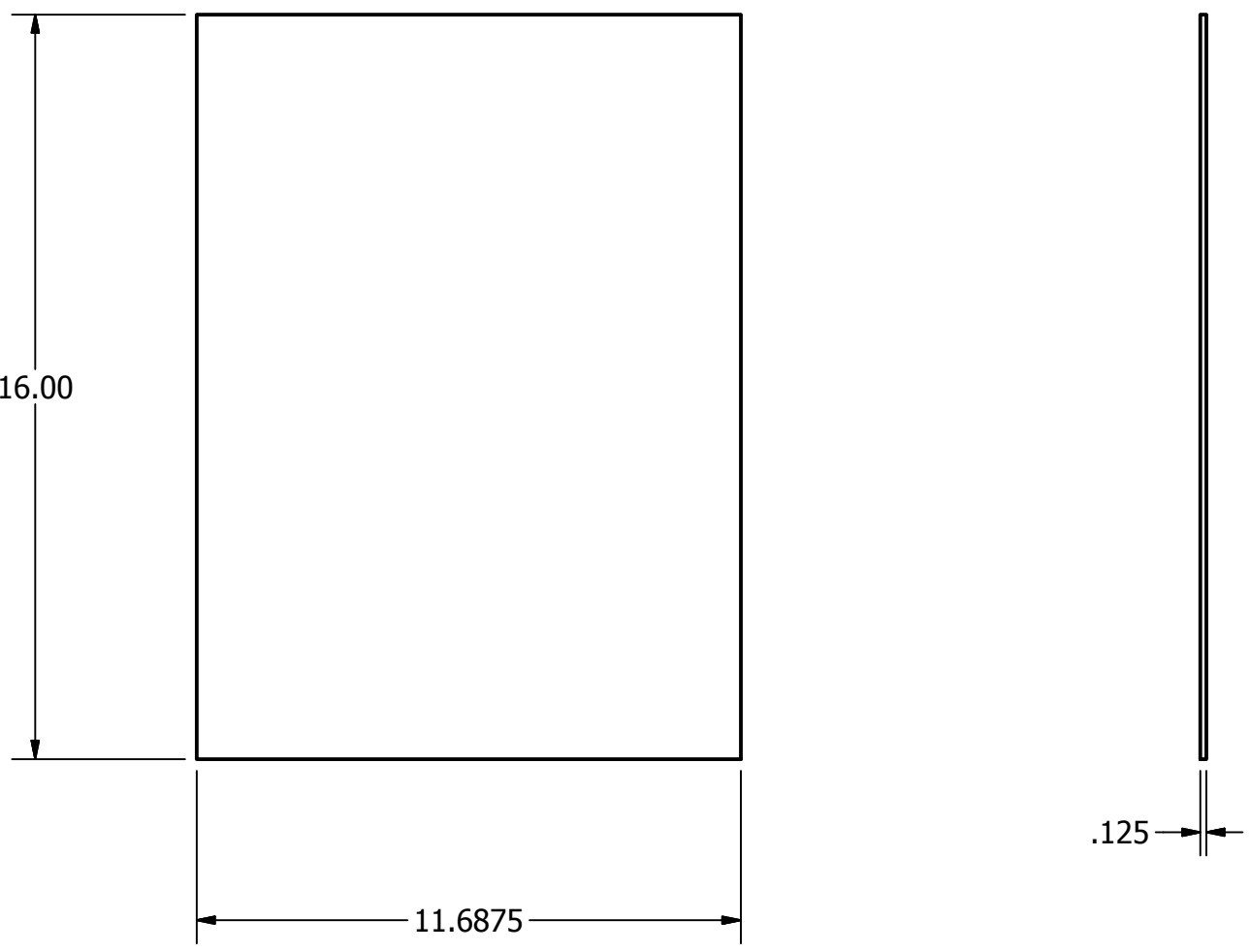


ITEM 3  
BIN STAND - MID SUPPORT

DRAWN J.YENKEL	2/25/2020	TITLE <b>BIN STAND - ITEMS 1, 2, AND 3</b>		
CHECKED				
QA		SIZE <b>C</b>	DWG NO <b>BIN ASSEMBLY DRAWING</b>	REV
MFG		SCALE	SHEET 4 OF 9	
APPROVED				

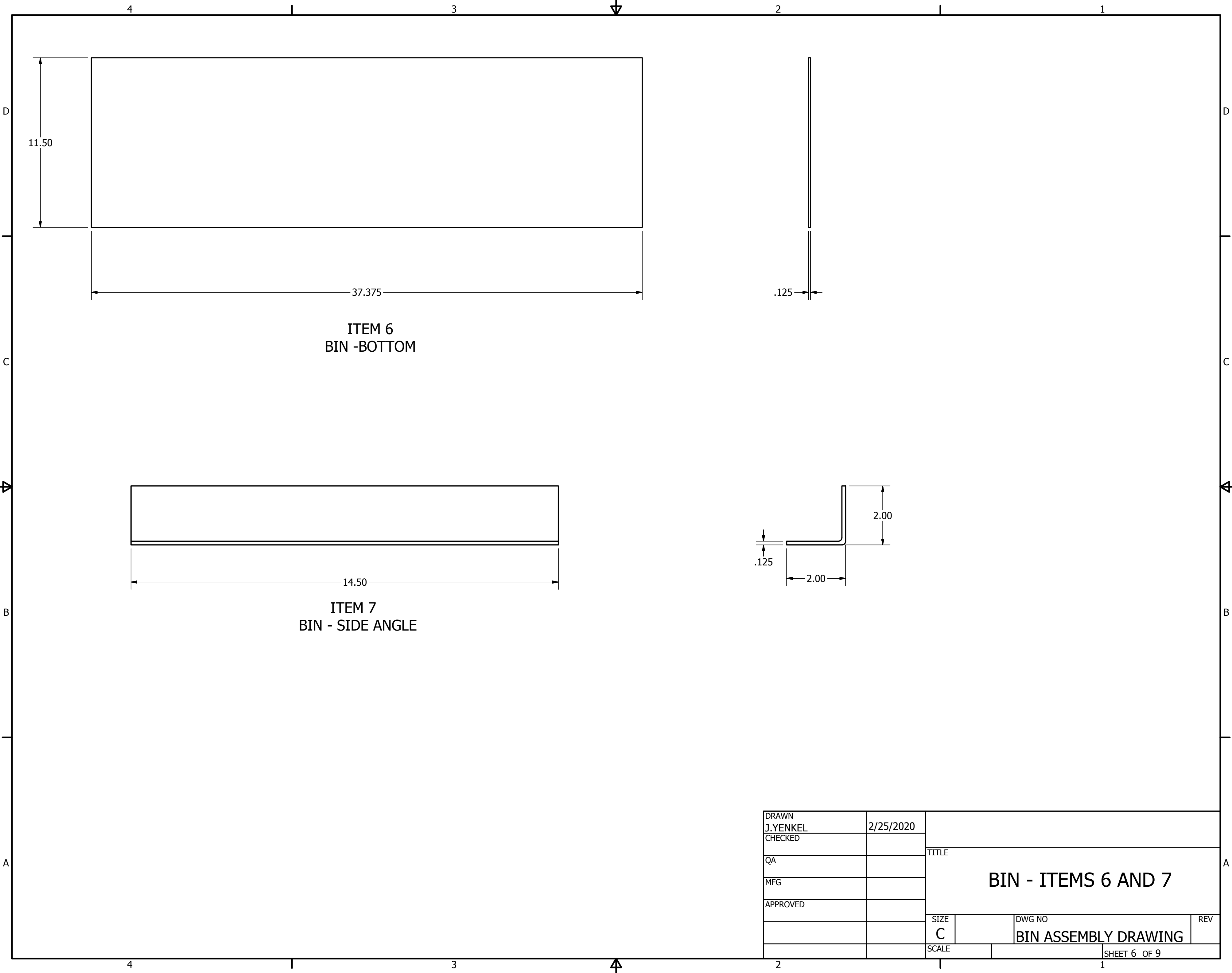


ITEM 4  
BIN - MAIN SIDE



ITEM 5  
BIN - SIDE

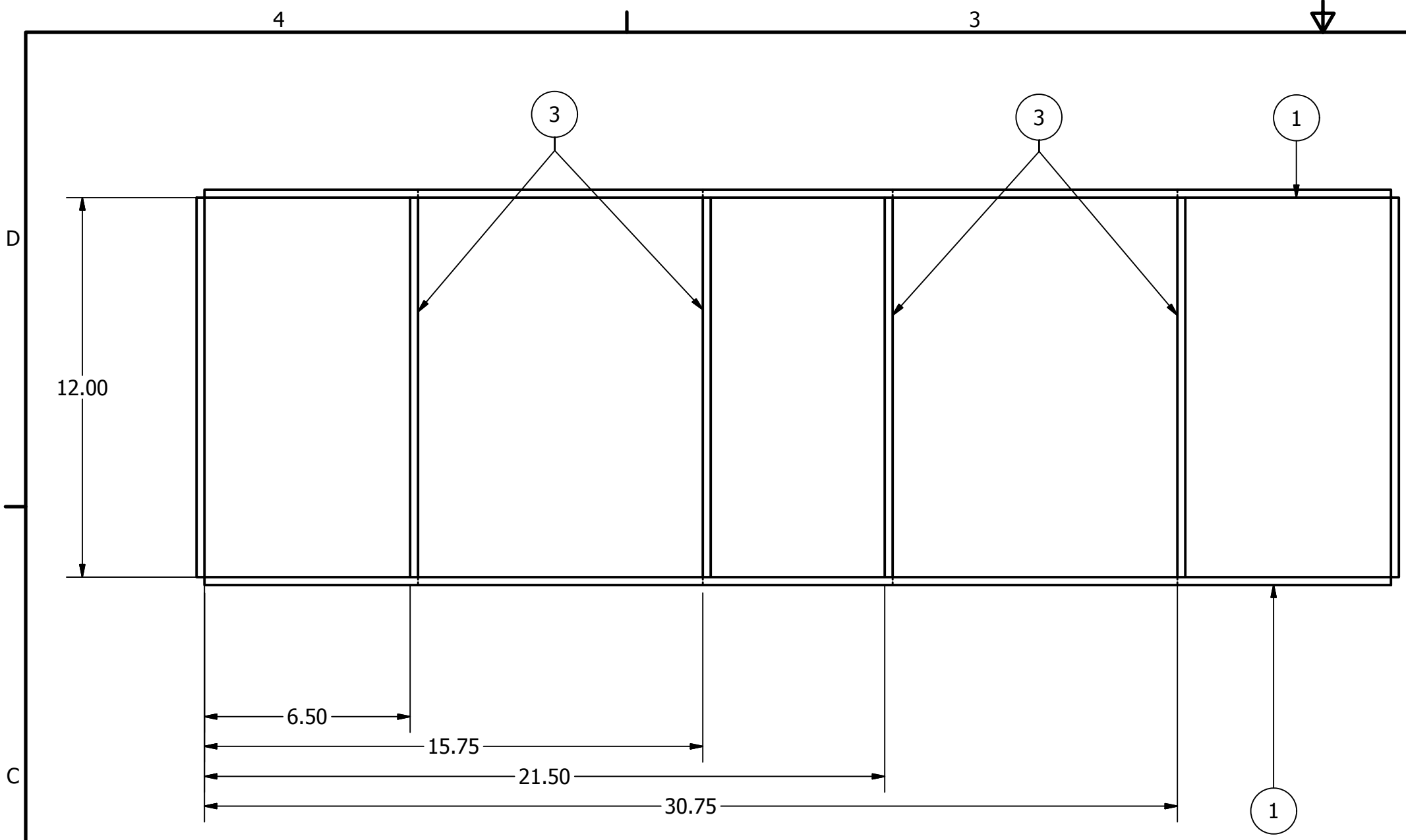
DRAWN J.YENKEL	2/25/2020	TITLE		
CHECKED		BIN - ITEMS 4, 5, AND 6		
QA		SIZE	DWG NO	REV
MFG		C	BIN ASSEMBLY DRAWING	
APPROVED		SCALE	SHEET 5 OF 9	



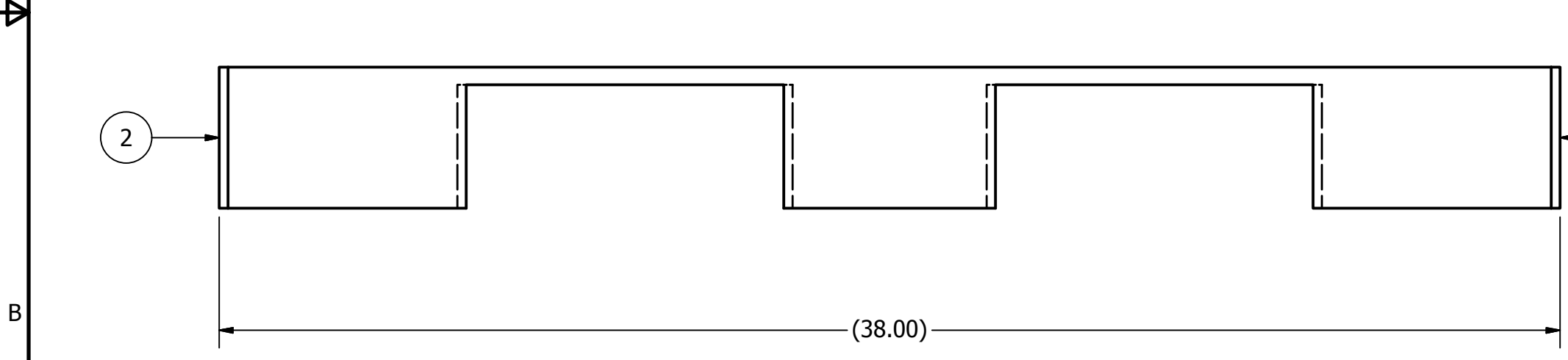
ITEM 6  
BIN -BOTTOM

ITEM 7  
BIN - SIDE ANGLE

DRAWN J.YENKEL	2/25/2020	TITLE  <b>BIN - ITEMS 6 AND 7</b>		
CHECKED				
QA				
MFG				
APPROVED		SIZE <b>C</b>	DWG NO <b>BIN ASSEMBLY DRAWING</b>	REV
		SCALE	SHEET 6 OF 9	

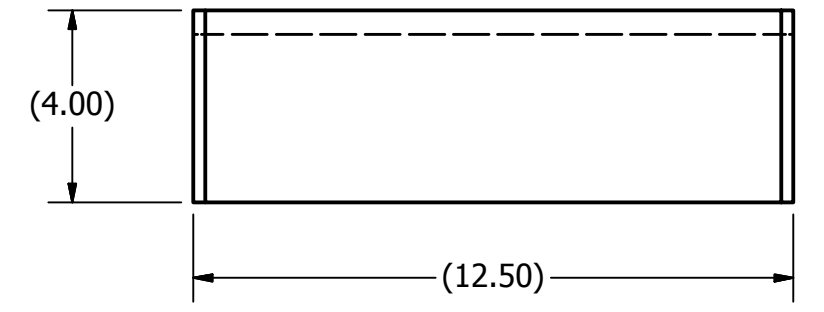
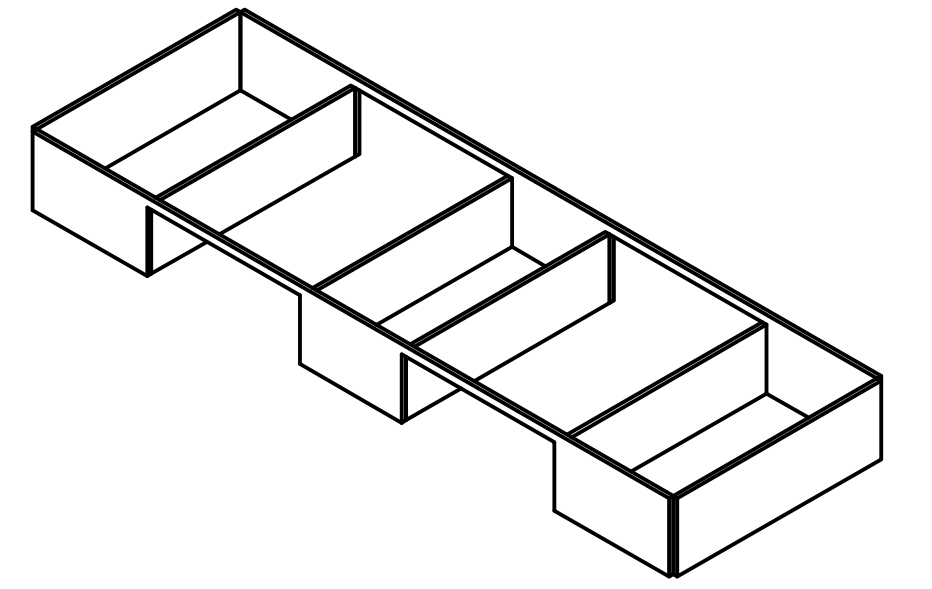


TOP VIEW



FRONT VIEW

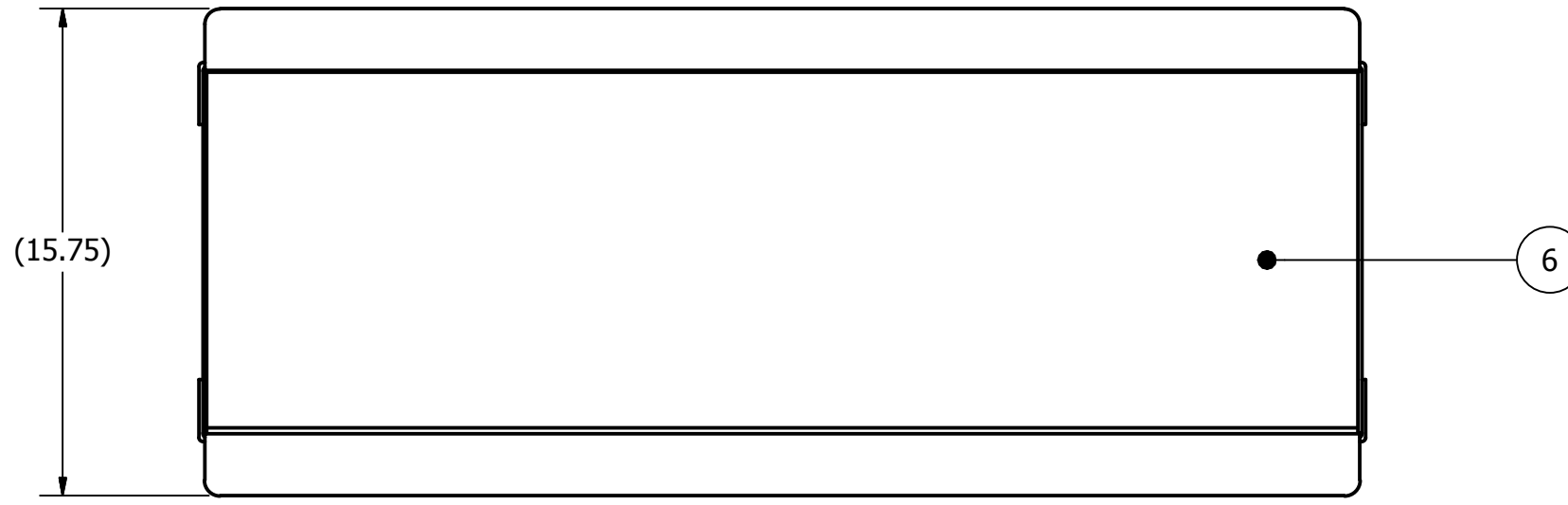
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	BIN STAND- FRONT	
2	2	BIN STAND- SIDE	
3	4	BIN STAND - MID SUPPORT	



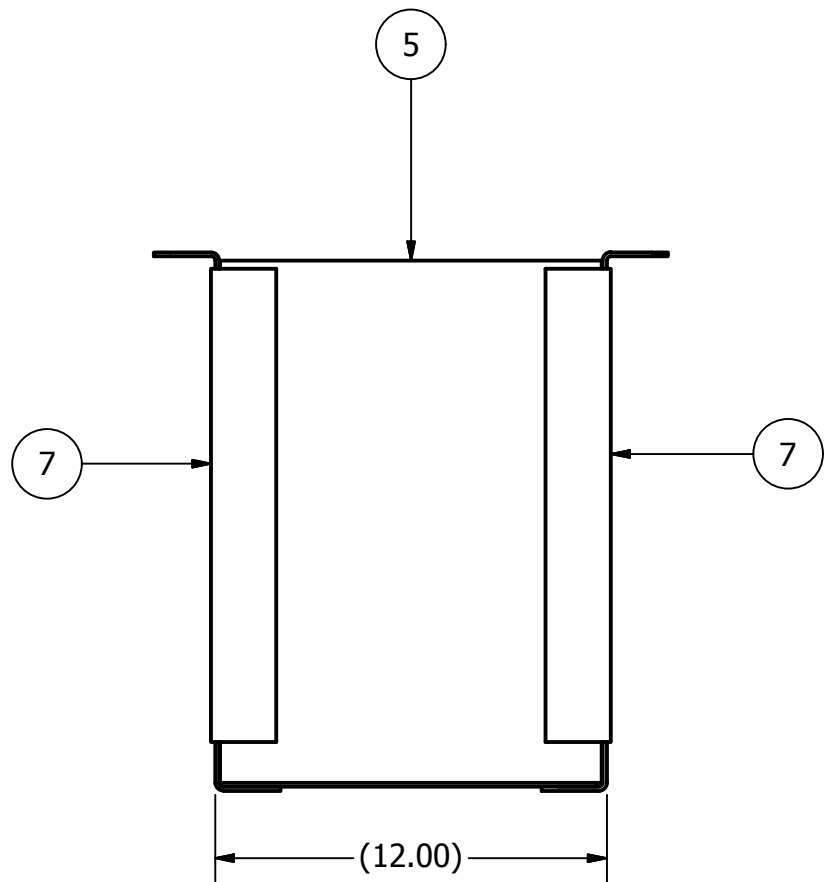
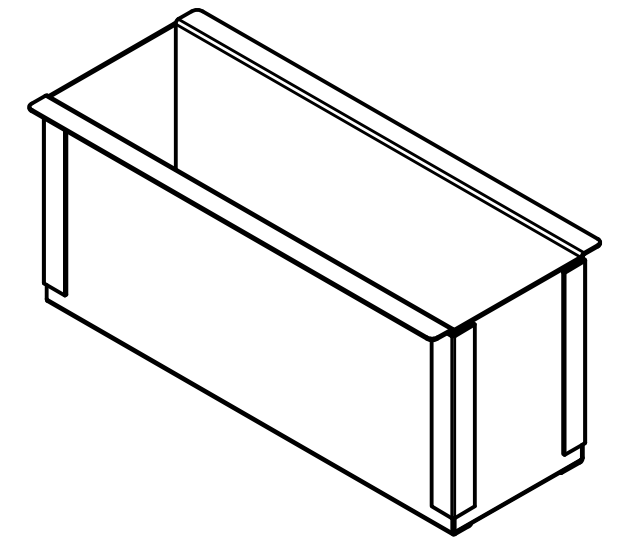
RIGHT SIDE VIEW

DRAWN J.YENKEL	2/25/2020	TITLE  <b>BIN STAND ASSEMBLY</b>		
CHECKED				
QA				
MFG				
APPROVED		SIZE C	DWG NO	REV
		SCALE	BIN ASSEMBLY DRAWING	
		SHEET 7 OF 9		

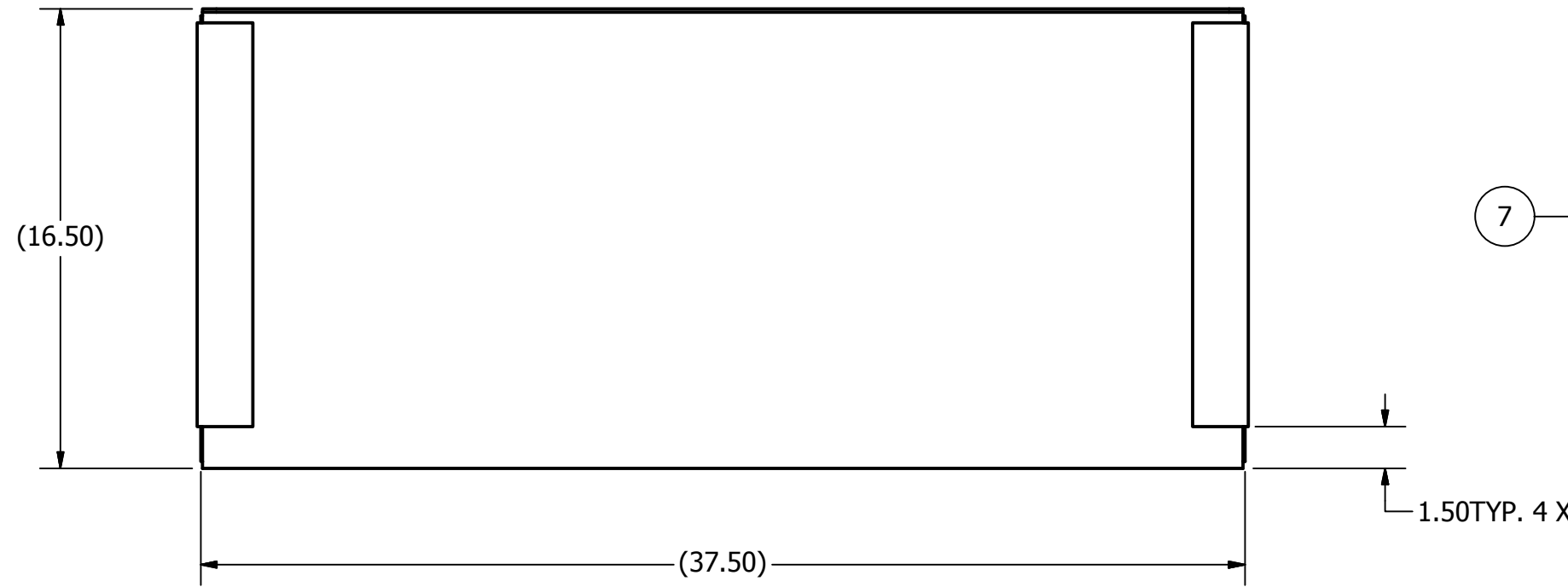
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
4	2	BIN - MAIN SIDE	
5	2	BIN - SIDE	
6	1	BIN - BOTTOM	
7	4	BIN- SIDE ANGLE	



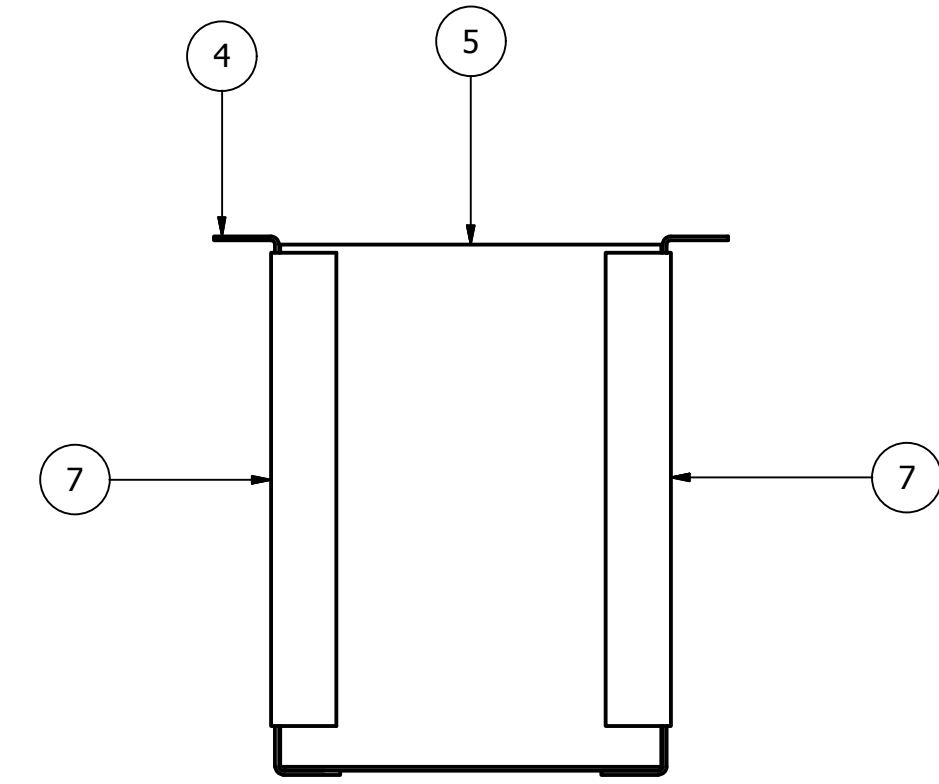
TOP VIEW



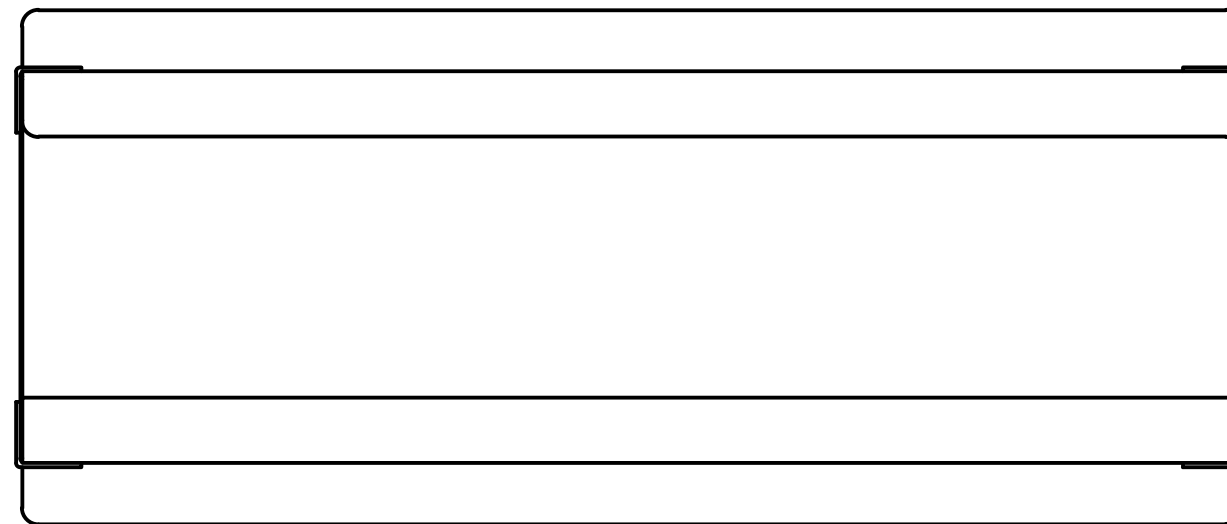
LEFT SIDE VIEW



FRONT VIEW



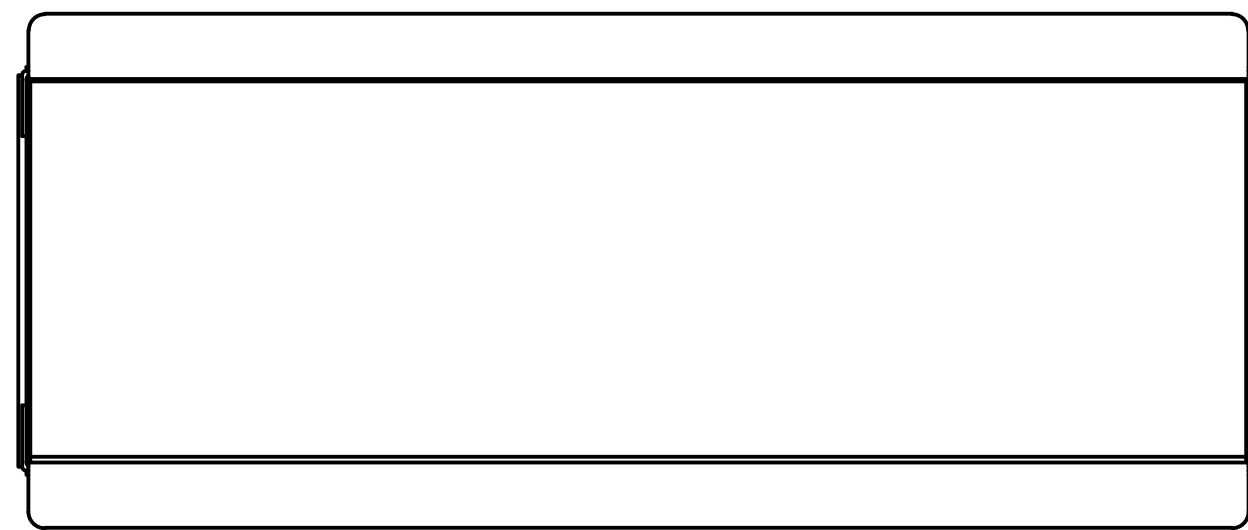
RIGHT SIDE VIEW



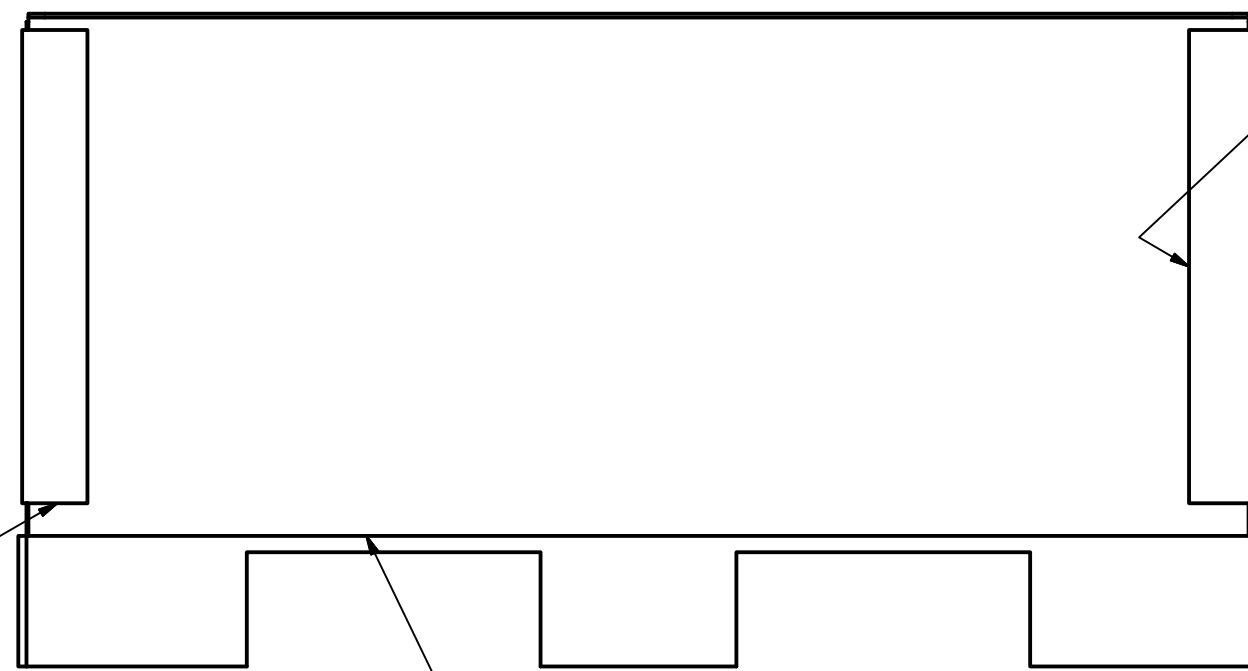
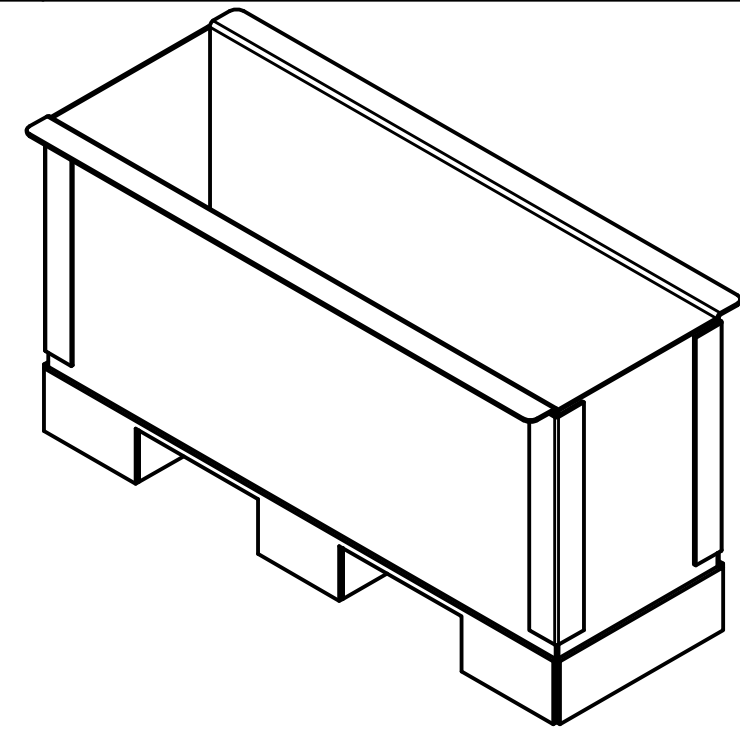
BOTTOM VIEW

DRAWN J.YENKEL	2/25/2020	TITLE	
CHECKED		<b>BIN BODY ASSEMBLY</b>	
QA			
MFG			
APPROVED			
		SIZE <b>C</b>	DWG NO <b>BIN ASSEMBLY DRAWING</b>
		SCALE	REV
		SHEET 8 OF 9	

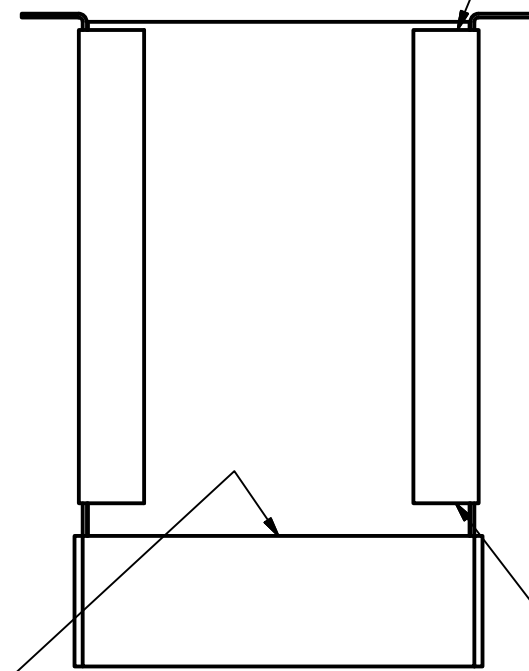




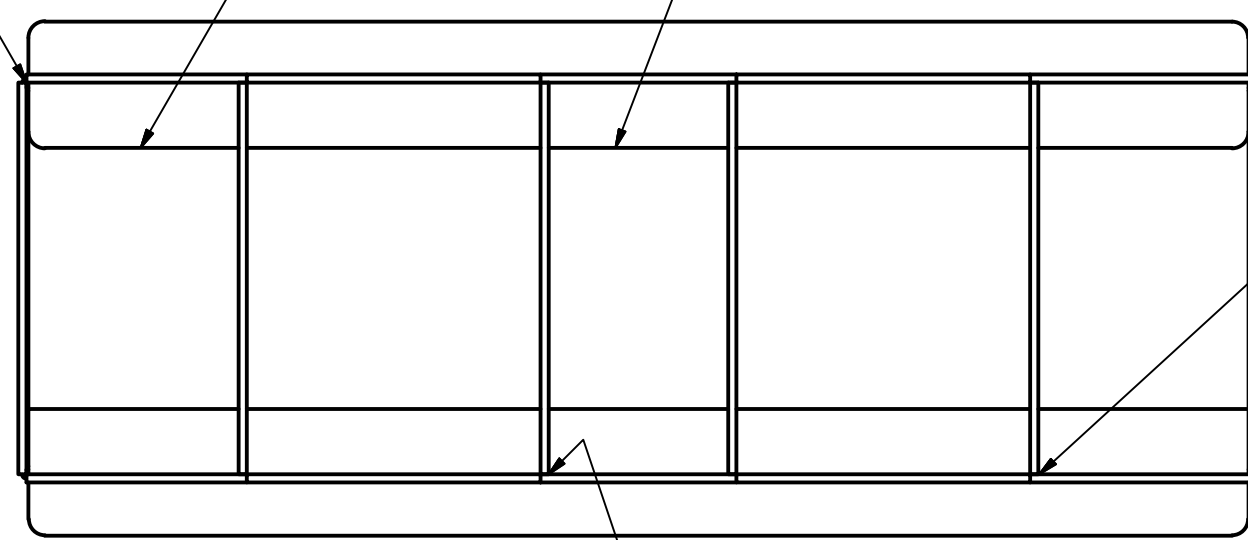
TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW



BOTTOM VIEW

GTAW TYP. 4X .125

GTAW TYP. 8 X ON CENTER .125 4

GTAW TYP. 4X .125

E7018 TYP. 2 X ON CENTER .125 4

GTAW TYP. 4X .125

E6010 TYP. 4X .25

GMAW TYP. 4X .125 3

GMAW TYP. 2X .125 3

GMAW TYP. 8X .25

GMAW TYP. 4X .25

DRAWN J.YENKEL	2/25/2020	TITLE		
CHECKED		FINAL ASSEMBLY WELD LAYOUT		
QA		SIZE	DWG NO	REV
MFG		C	BIN ASSEMBLY DRAWING	
APPROVED		SCALE	SHEET 9 OF 9	