



THIS SHEET IS FOR REFERENCE ONLY.  
THE ACTUAL QUANTITY AND DIMENSIONS OF THE  
PARTS ARE SHOWN IN SUBSEQUENT SHEETS.

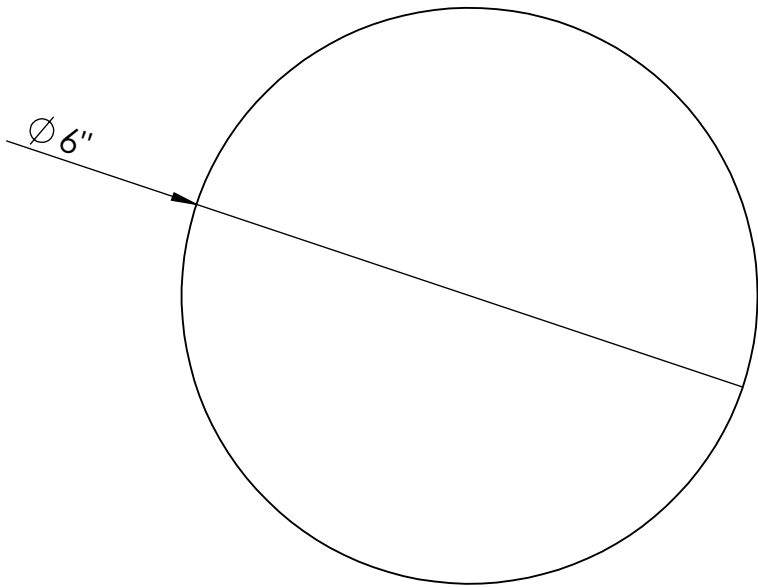
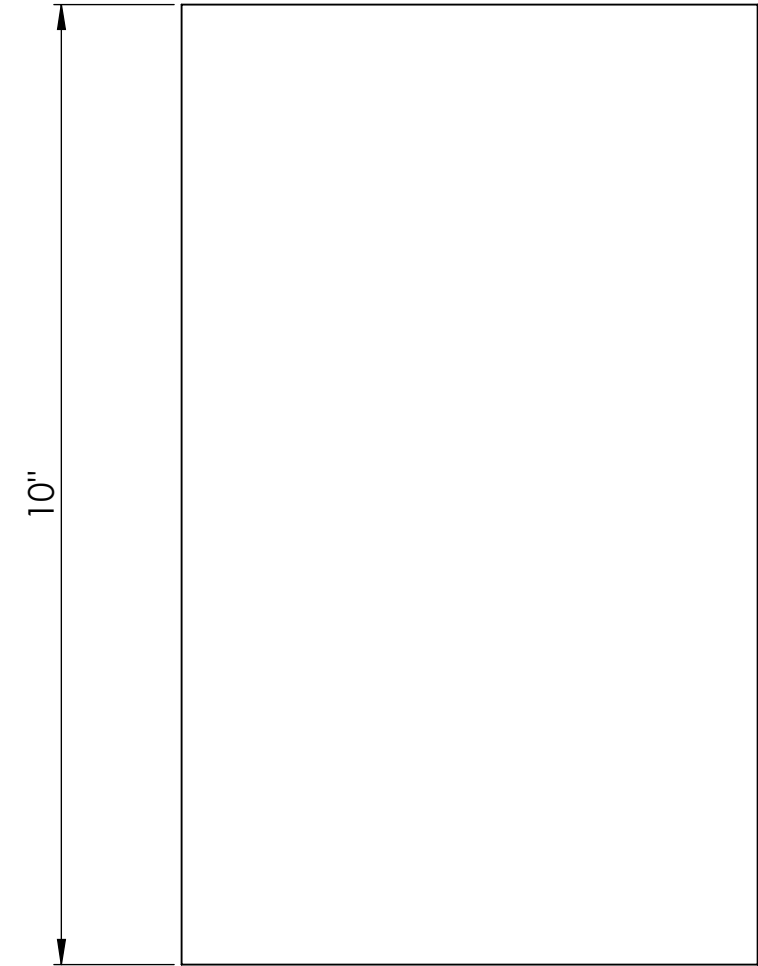
	NAME	DATE	FASTFLOOR GRAVITY TEST		
DRAWN	DL	5/23/2025	TITLE: <b>TEST SETUP</b>		
CHECKED	SB				
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO LOAD TEST STEEL SPECIEMENS.			SIZE <b>B</b>	DWG. NO. <b>0-0</b>	REV <b>V1</b>
			SCALE: 1:80	WEIGHT: 600000	SHEET 1 OF 22

QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
3	1-0	ROLLER	Solid Round 6"	10.0	80.2	A36
4	2-0	SIDE SUPPORT PLATE	PL2X30	54.0	875	A572-50
3	3-0	SUPPORT HSS FOR PIN	HSS9X9X5/8	21.5	16.3	A500-C
36	4-0	TRIANGULAR BRACES	PL0.5X4	9.00	5.04	A572-50
3	5-0	SQUARE PLATE	PL1X10.5	10.5	29.8	A572-50
3	6-0	HALF-CYLINDER	Solid Round 6"	10.0	38.2	A36
12	7-0	SUPPORT W BEAM	W10x22	52	95.3	A992
3	8-0	C CHANNEL	C10X12	12.0	24.7	A992
2	9-0	MIDDLE SUPPORT PLATE	PL2X38	54.0	1110	A572-50
3	10-0	SUPPORT HSS FOR ROLLER	HSS9X9X5/8	19.0	16.3	A500-C
24	11-0	CONNECTION ANGLE	L8x4x1	5.8	17.9	A572-50
2	12-0	FILLER PLATE	PL1.25x32	32.0	142.6	A572-50
2	13-0	BRACE FILLER PLATE	PL1.25x37	37.1	34.8	A572-50
2	14-0	COLUMN FILLER PLATE	PL1.25x36	36.0	32.1	A572-50
1	15-0	MEDIUM ACTUATOR PLATE	PL1x21	21.0	9.8	A572-50
2	16-0	MEDIUM ACTUATOR EXTENDER PLATE	PL1x21	21.0	10.0	A572-50
2	17-0	LARGE ACTUATOR PLATE	PL1x17	17.0	9.9	A572-50
2	18-0	HSS EXTENDER	HSS9x9x5/8	33.0	186.5	A500-C
1	19-0	CROSS BEAM	W24x250	130.5	2710	A992
6	20-0	CROSS BEAM THIN PLATE	PL0.5x22.5	2	18.5	A572-50
2	21-0	EQUAL LEG ANGLE	L12x12x1	20.0	15.6	A572-50
4	22-0	RESTRAINED PLATE 2	PL21.52x45.52	45.5	33.9	A572-50
2	23-0	LONG OUT PLANE W BEAM	W10x68	43.0	243	A992
1	24-0	SMALL OUT PLANE W BEAM	W10x68	33.3	23.6	A992
1	25-0	LARGE ACTUATOR W BEAM	W14x145	129.1	250.1	A570
6	26-0	W BEAM THIN PLATE	PL0.5x12.6	2	12.5	A572-50
6	27-0	SPLIT CYLINDERS	Solid Round 20"	3	101	A36
1	28-0	SMALL ACTUATOR W BEAM	W14x145	129.1	250.1	A570

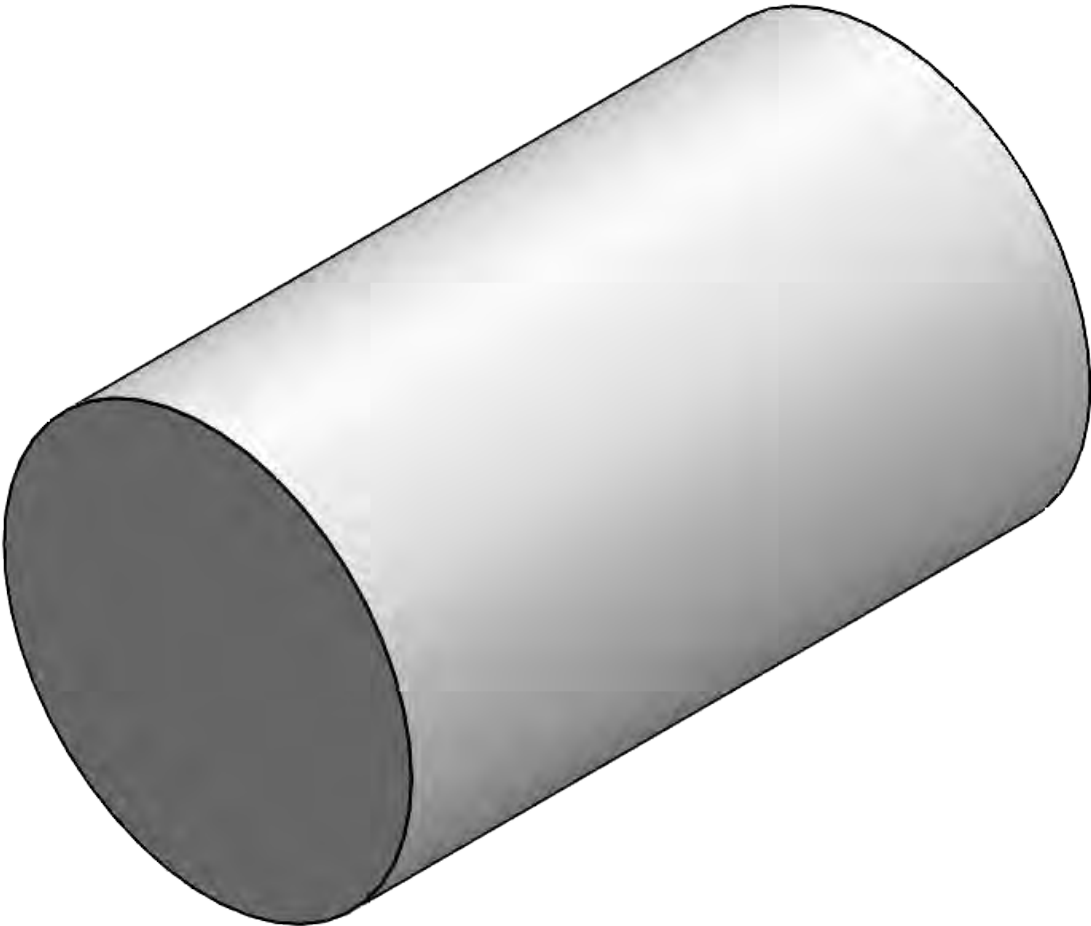
GENERAL NOTES:


1. ALL DIMENSIONS ARE IN INCHES
2. WEIGHT OF MATERIAL BOQ TABLE ARE IN LBS AND ARE FOR REFERENCE ONLY
3. DO NOT SCALE DRAWINGS
4. ALL THRU HOLES HAVE A TOLERANCE OF 1/16" FOR DIAMETER < 1" AND + 1/8" FOR DIAMETER >= 1"
5. ALL WELDS WITH ER70X-X ELECTRODE
6. WELDING TO BE PERFORMED BY AWS CERTIFIED WELDER
7. REMOVE BURRS AND BREAK SHARP EDGES
8. MARK PIECES WITH PART NO. AFTER FINISH

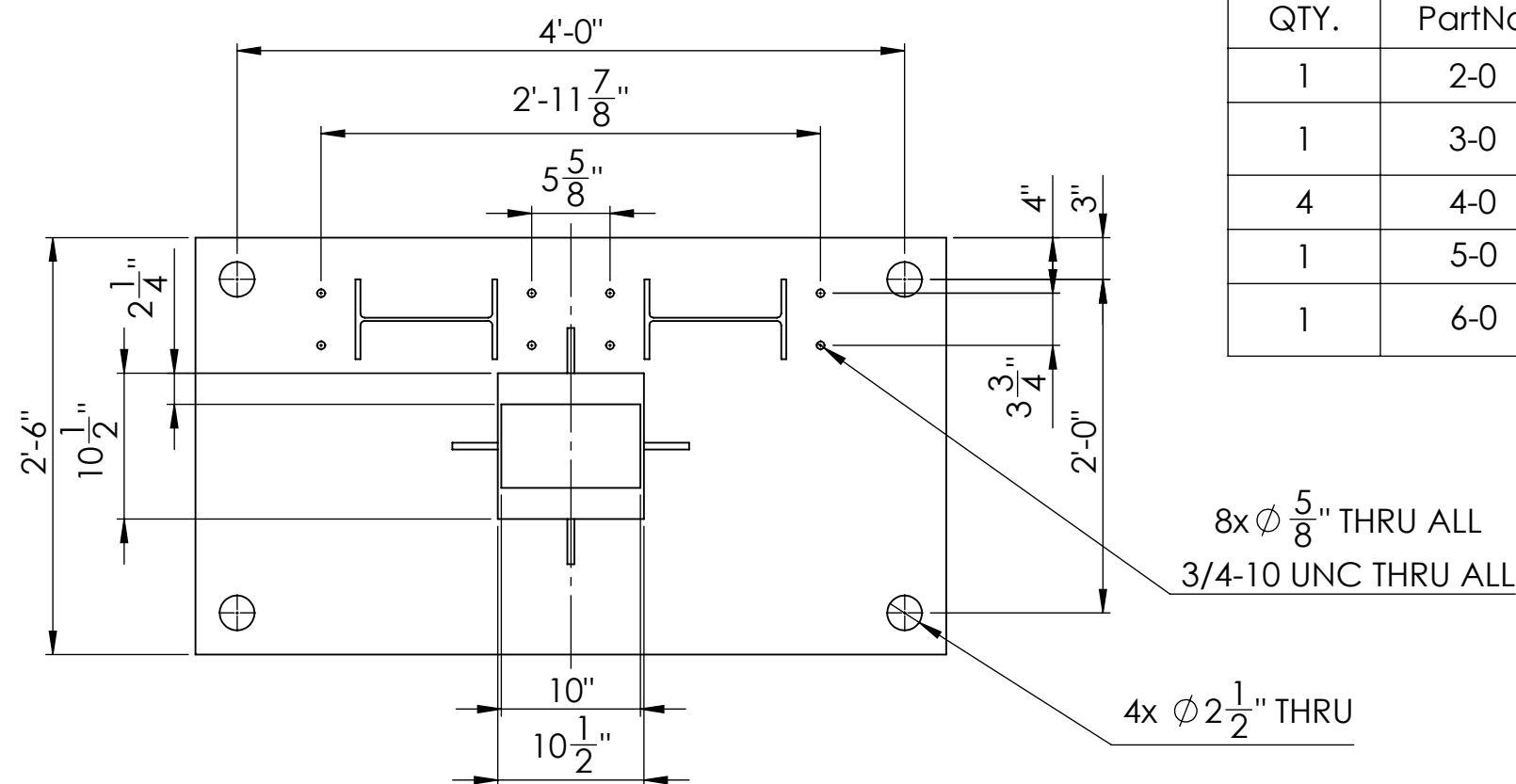
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DRAWN	SB	5/16/2025	TITLE:  BILL OF QUANTITY			
CHECKED	JFH					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST THE CONNECTION BETWEEN CLT AND STEEL.						
			SIZE <b>B</b>	DWG. NO.  1-0		REV V1
			SCALE: 1:80		WEIGHT: 603740.33	SHEET 2 OF 22



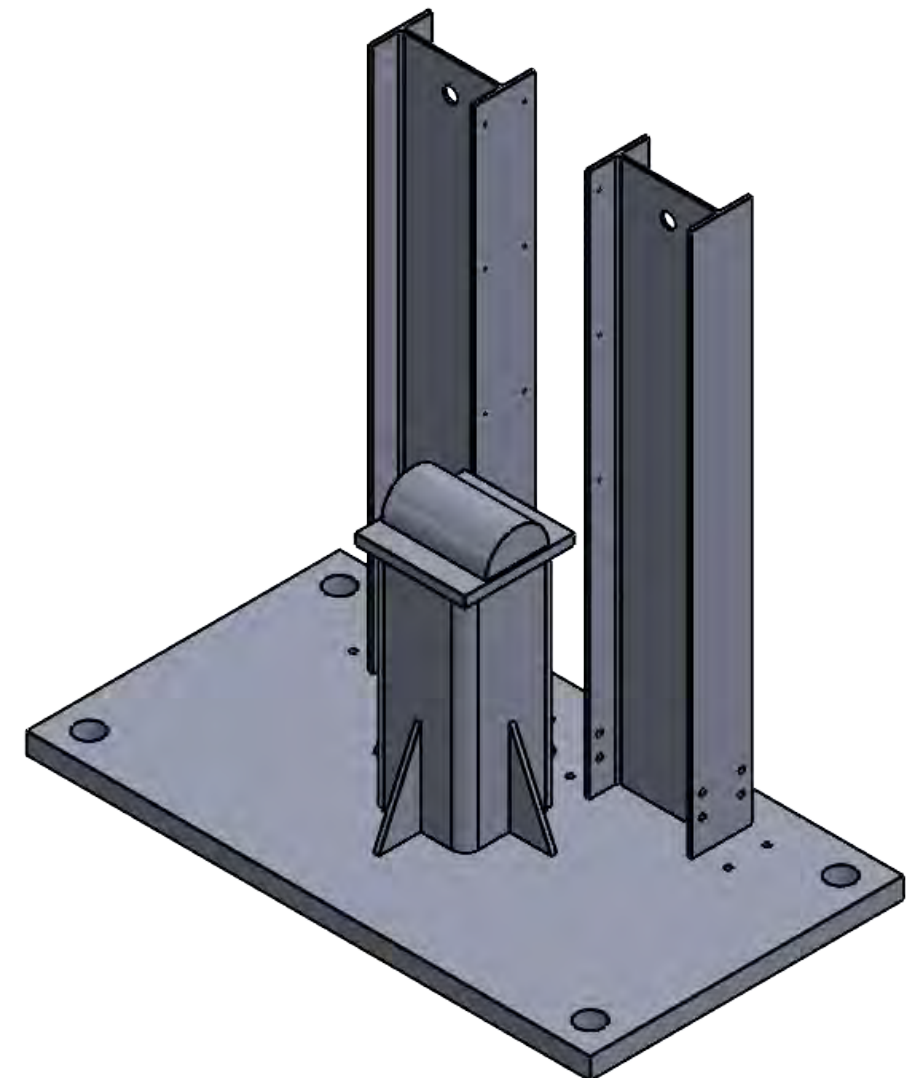
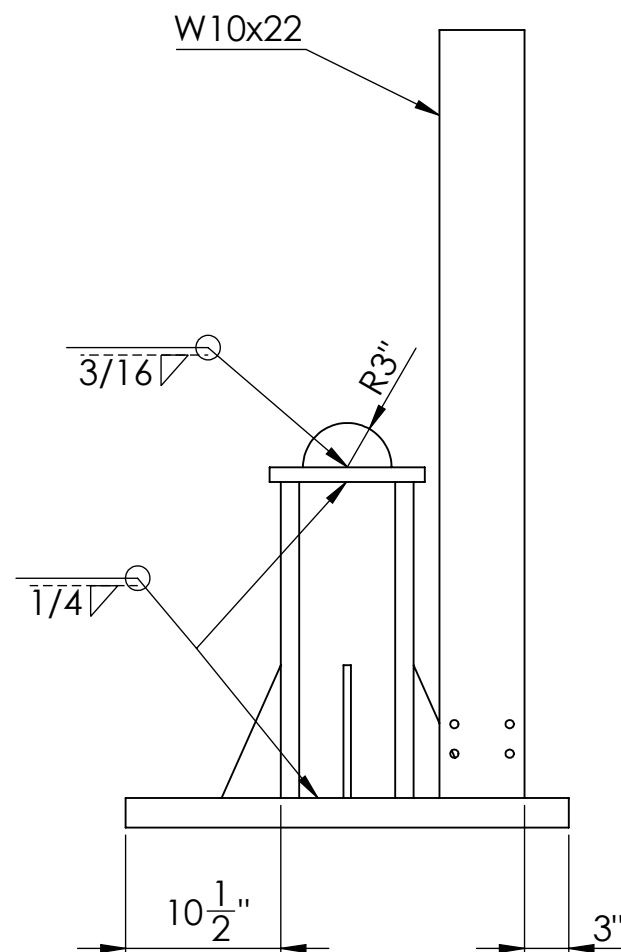
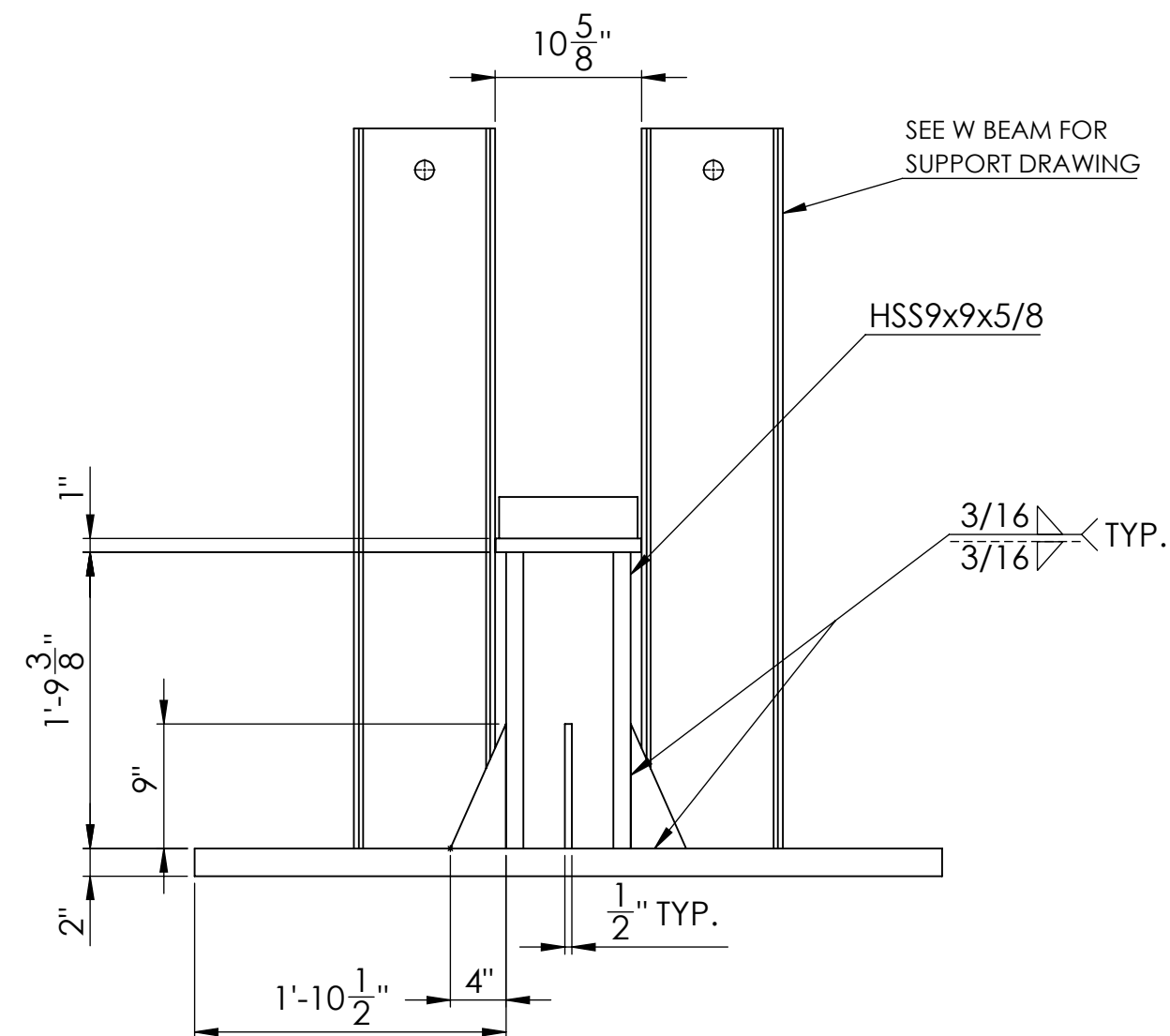
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
3	1-0	ROLLER	Solid Round 6"	10.0	80.2	A36



	NAME	DATE	FASTFLOOR TEST SETUP			
DRAWN	DL	6/25/2025	TITLE:  ROLLER			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIEMENS.						
			SIZE <b>B</b>	DWG. NO.  2-0	REV V1	
			SCALE: 1:2	WEIGHT: 80	SHEET 1 OF 18	



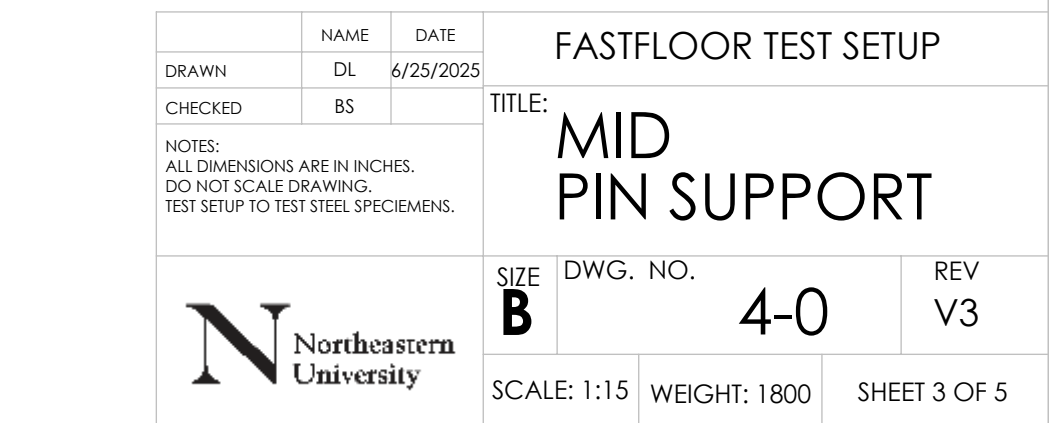
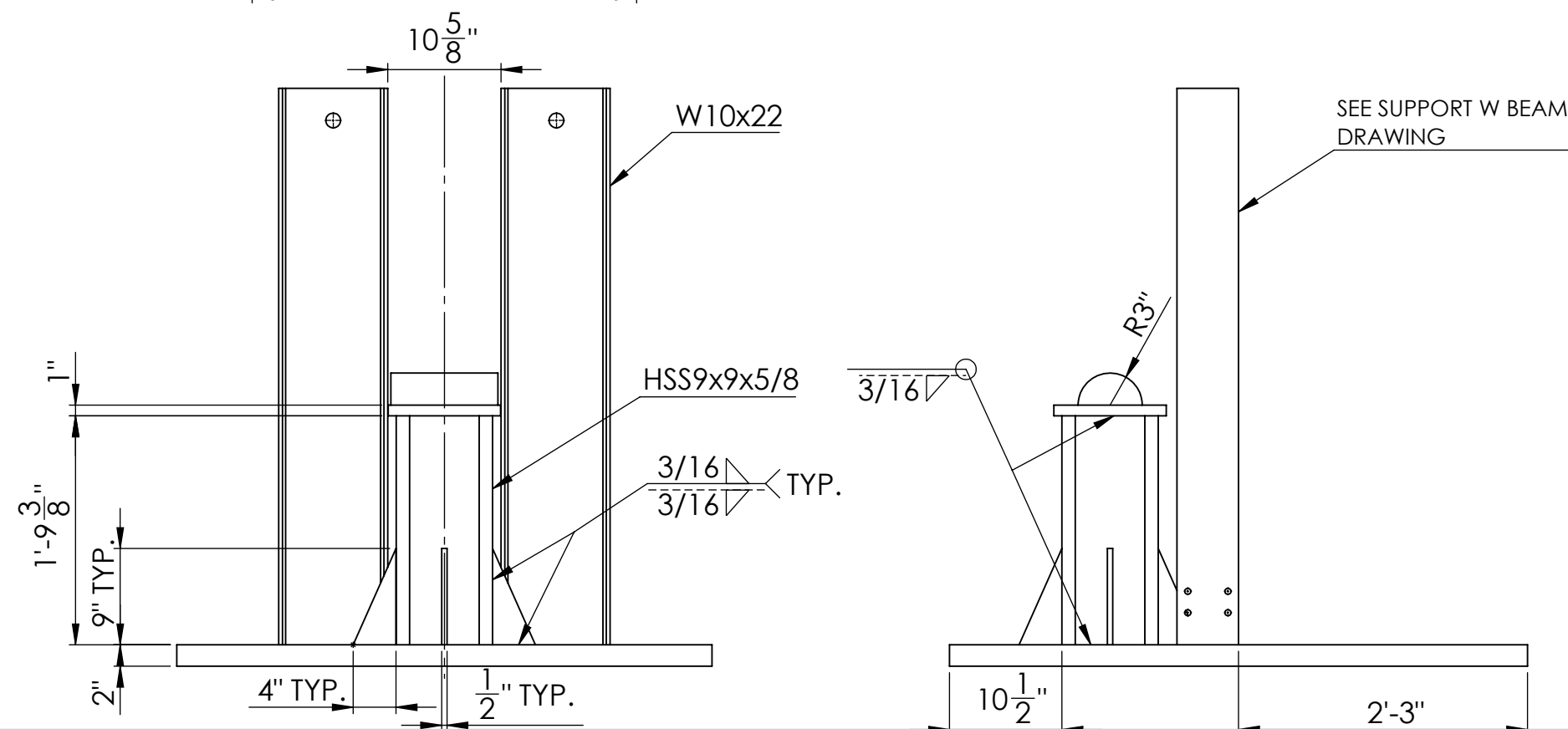
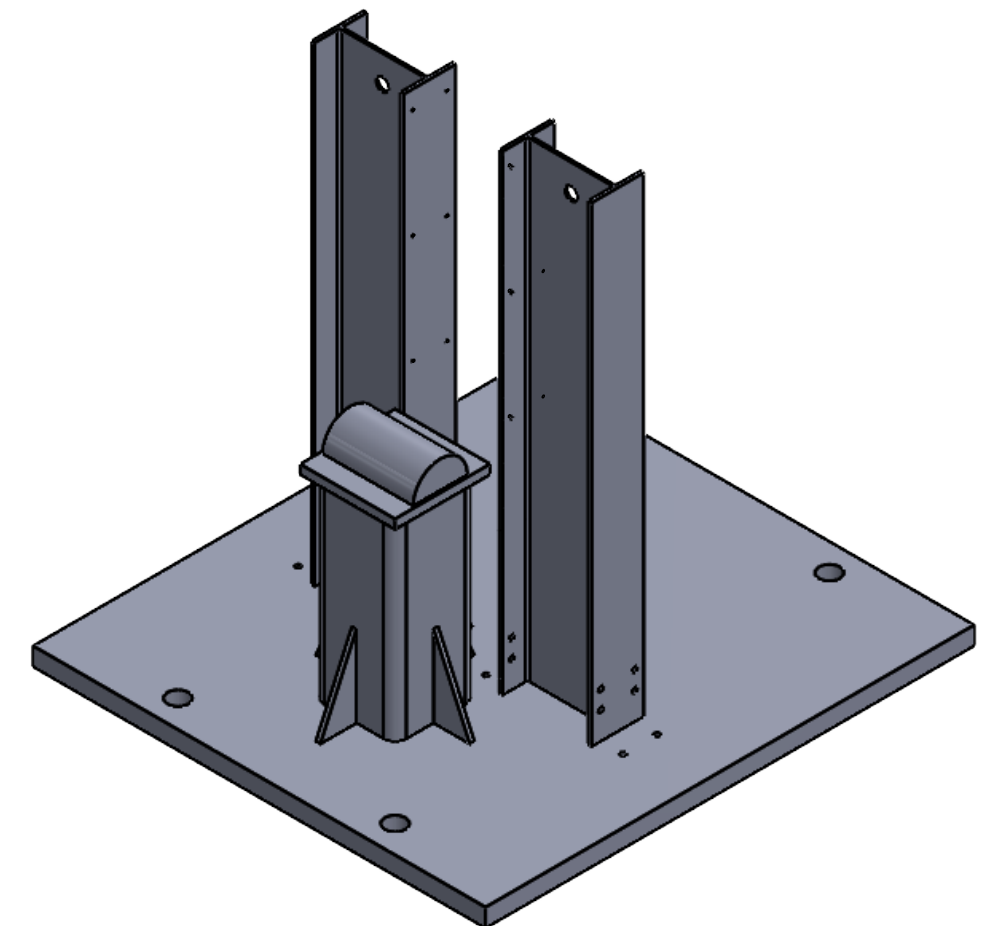
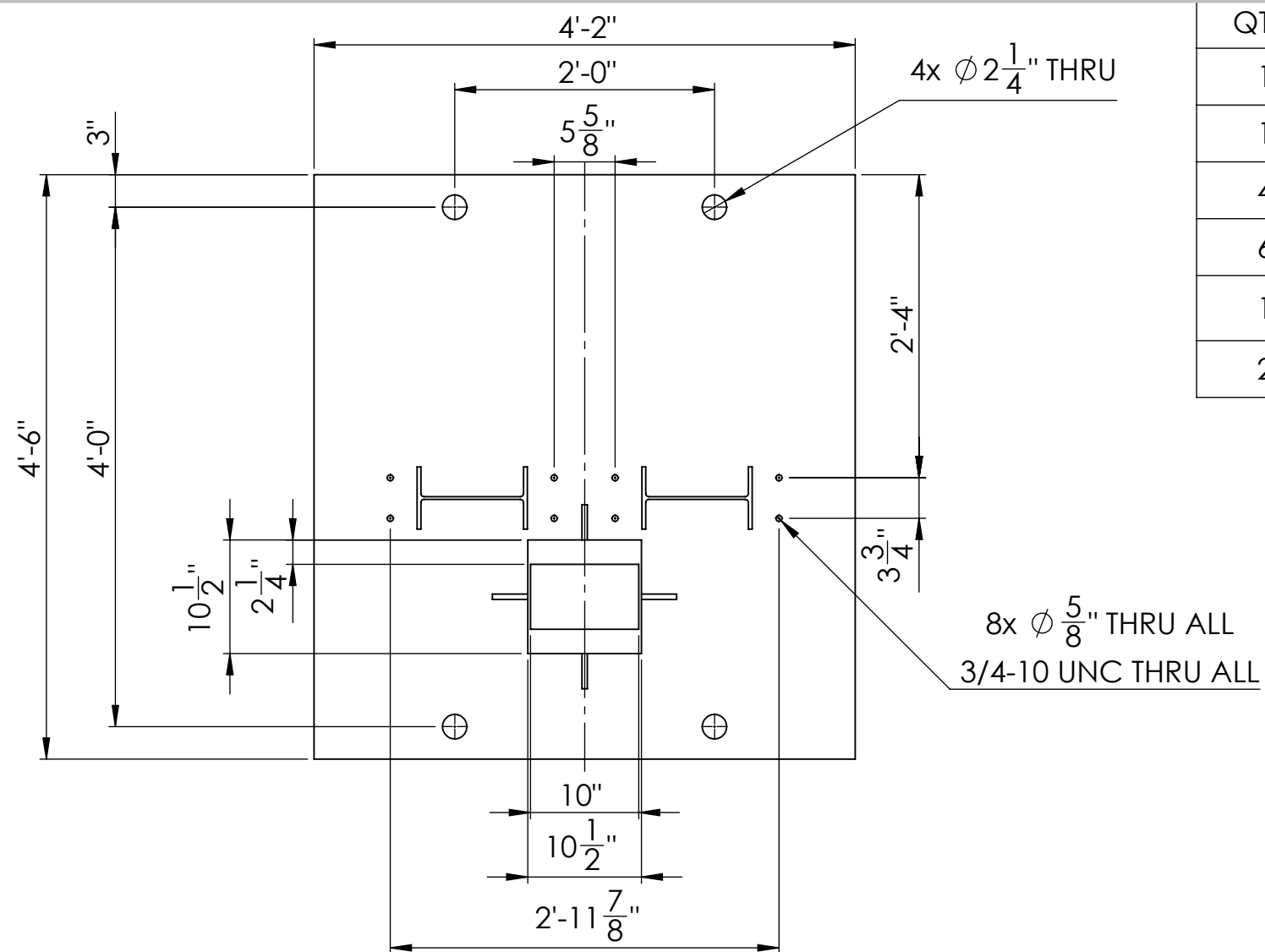
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	2-0	SIDE SUPPORT PLATE	PL2X30	54.0	875	A572-50
1	3-0	SUPPORT HSS FOR PIN	HSS9X9X5/8	21.5	16.3	A500-C
4	4-0	TRIANGULAR BRACES	PL0.5X4	8.6	4.4	A572-50
1	5-0	SQUARE PLATE	PL1X10.5	10.5	29.8	A572-50
1	6-0	HALF-CYLINDER	6" DIA CYLINDER	10.0	38.2	A36



QUANTITY: 2

DRAWN			NAME	DATE	FASTFLOOR TEST SETUP	
CHECKED			DL	6/25/2025	TITLE:	
NOTES:			BS		SIDE ROLLER ASSEMBLY	
ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.			SIZE	DWG. NO.	REV	
B				3-0	V1	
SCALE: 1:13			WEIGHT: 1036		SHEET 2 OF 18	



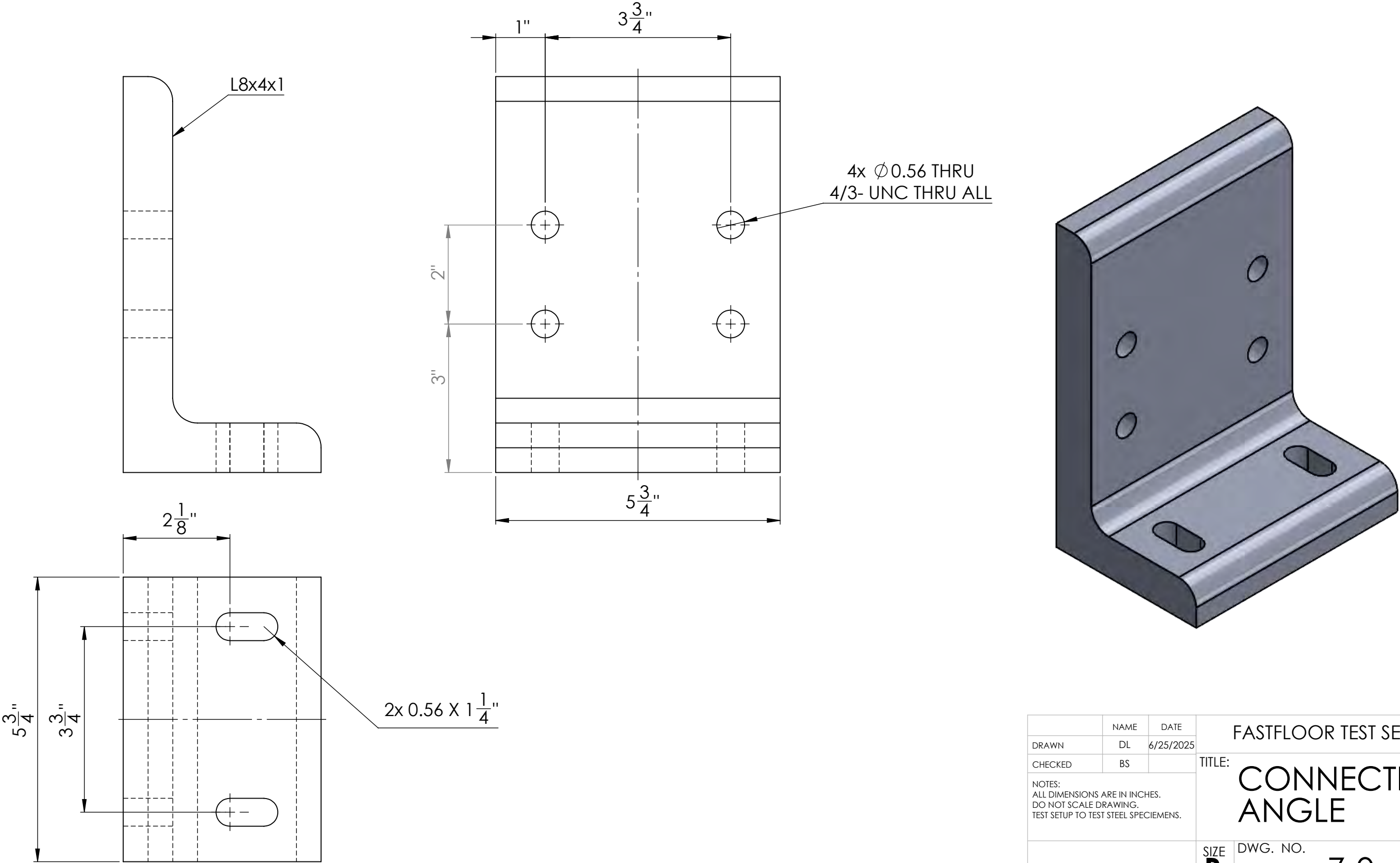








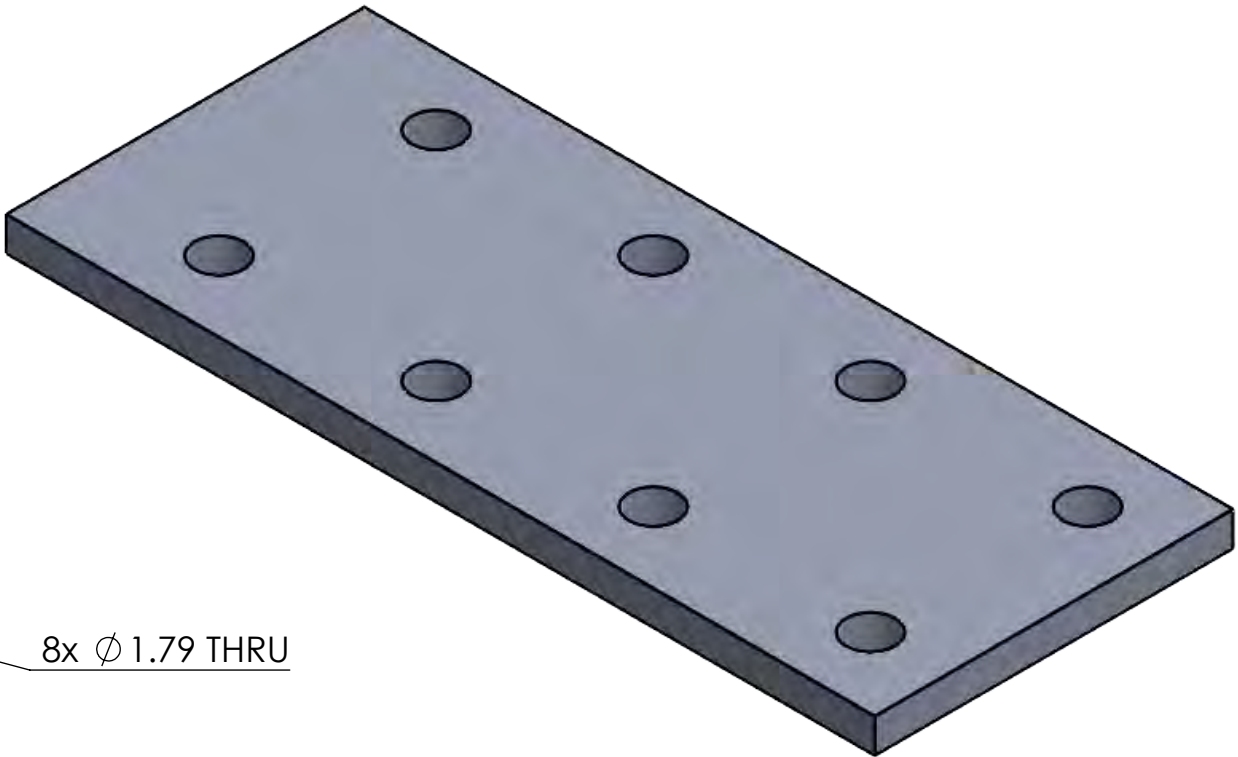
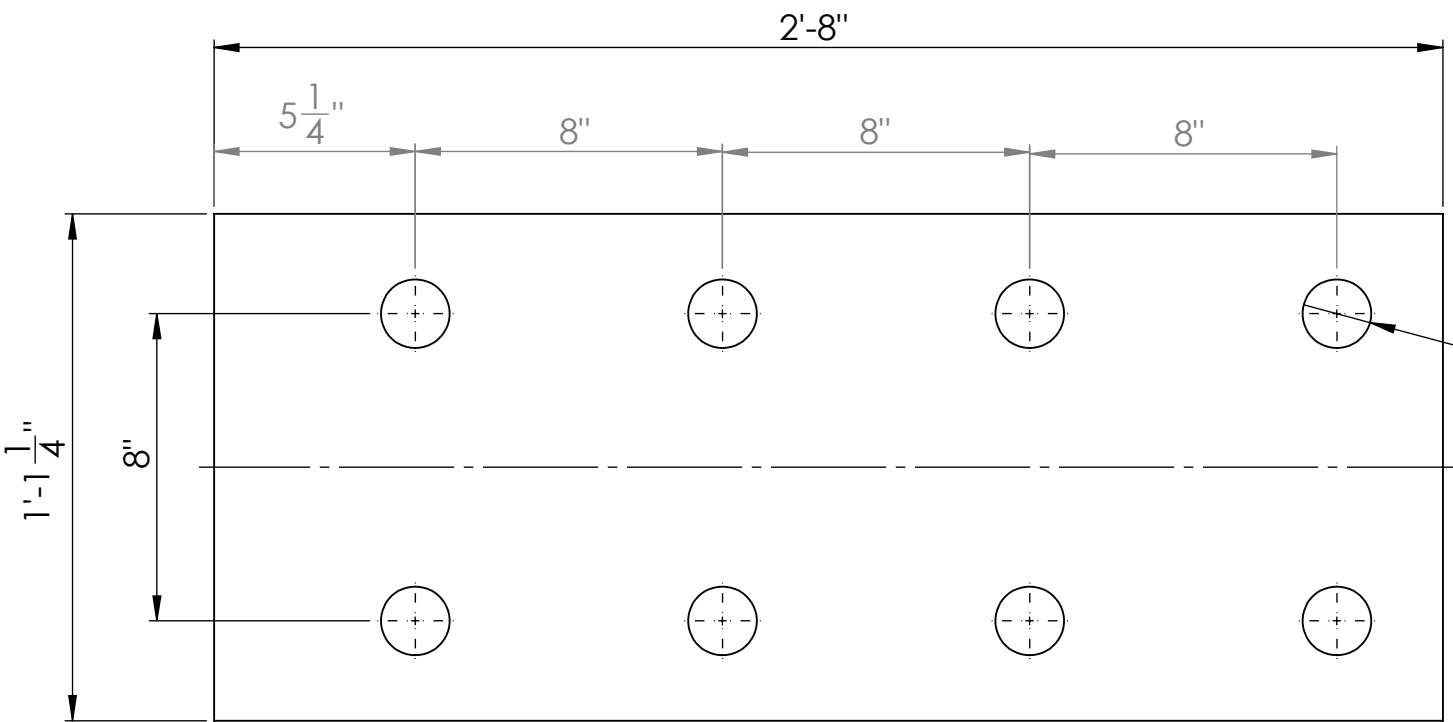
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
24	11-0	CONNECTION ANGLE	L8x4x1	5.75	18	A572-50



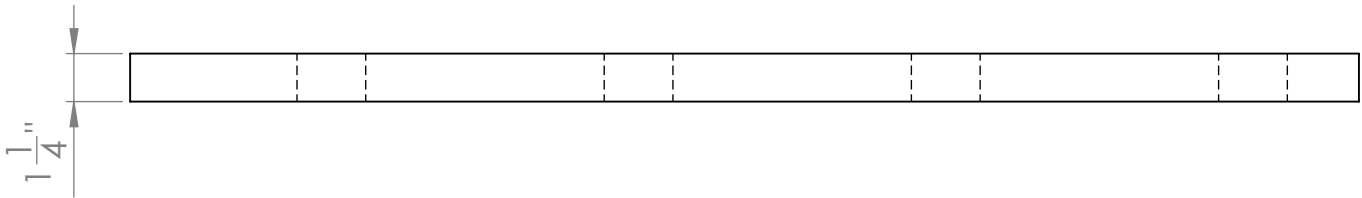
			FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025	TITLE: <b>CONNECTION ANGLE</b>		
CHECKED	BS				
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.					
			SIZE <b>B</b>	DWG. NO. <b>7-0</b>	REV <b>V1</b>
			SCALE: 1:2	WEIGHT: 18	SHEET 6 OF 18




QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
2	12-0	FILLER PLATE	PL1.25x32	32.0	142	A572-50

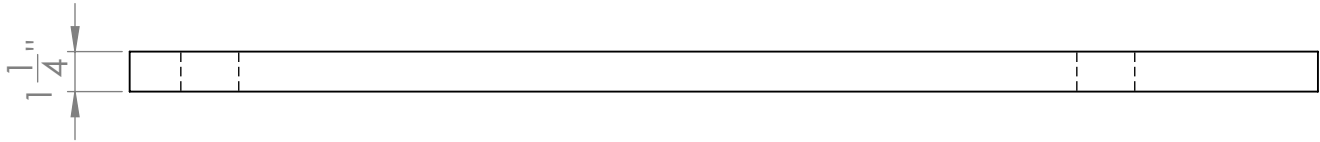
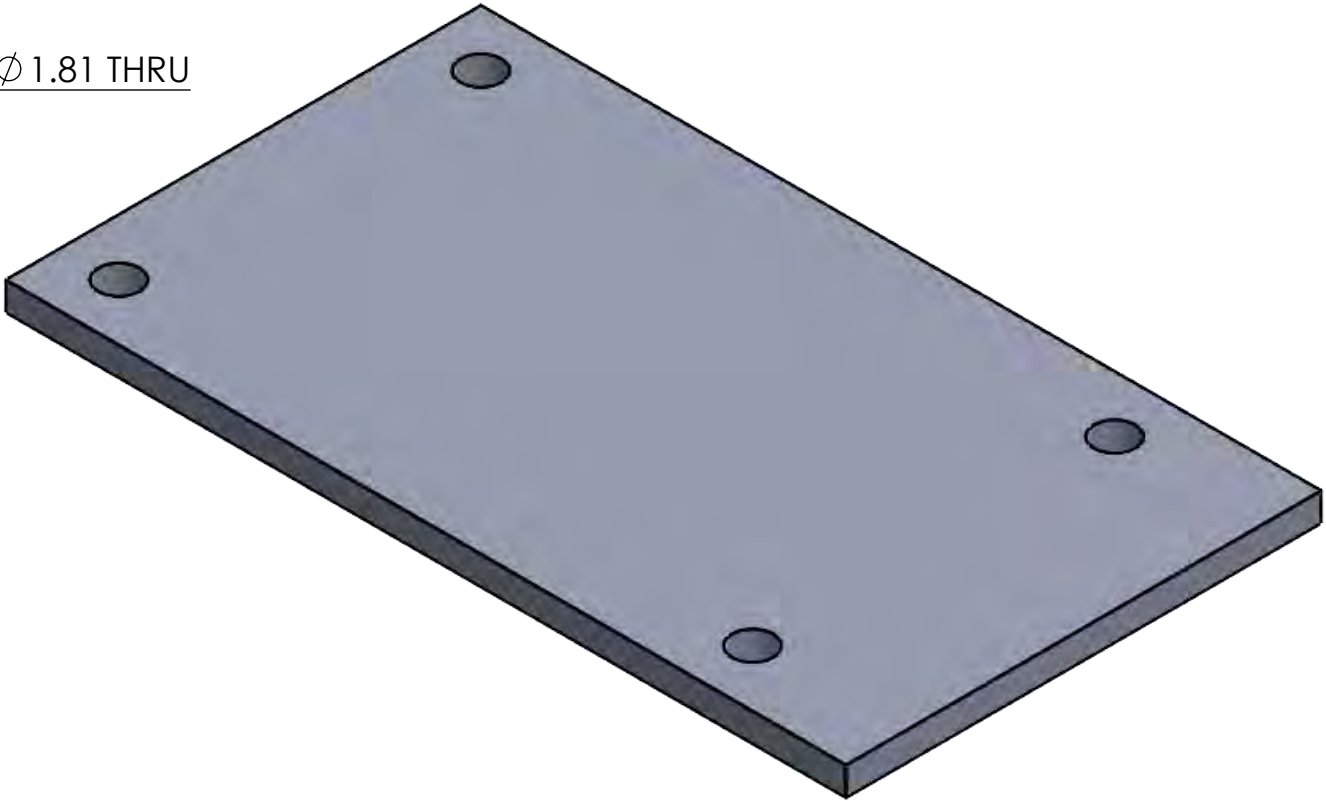
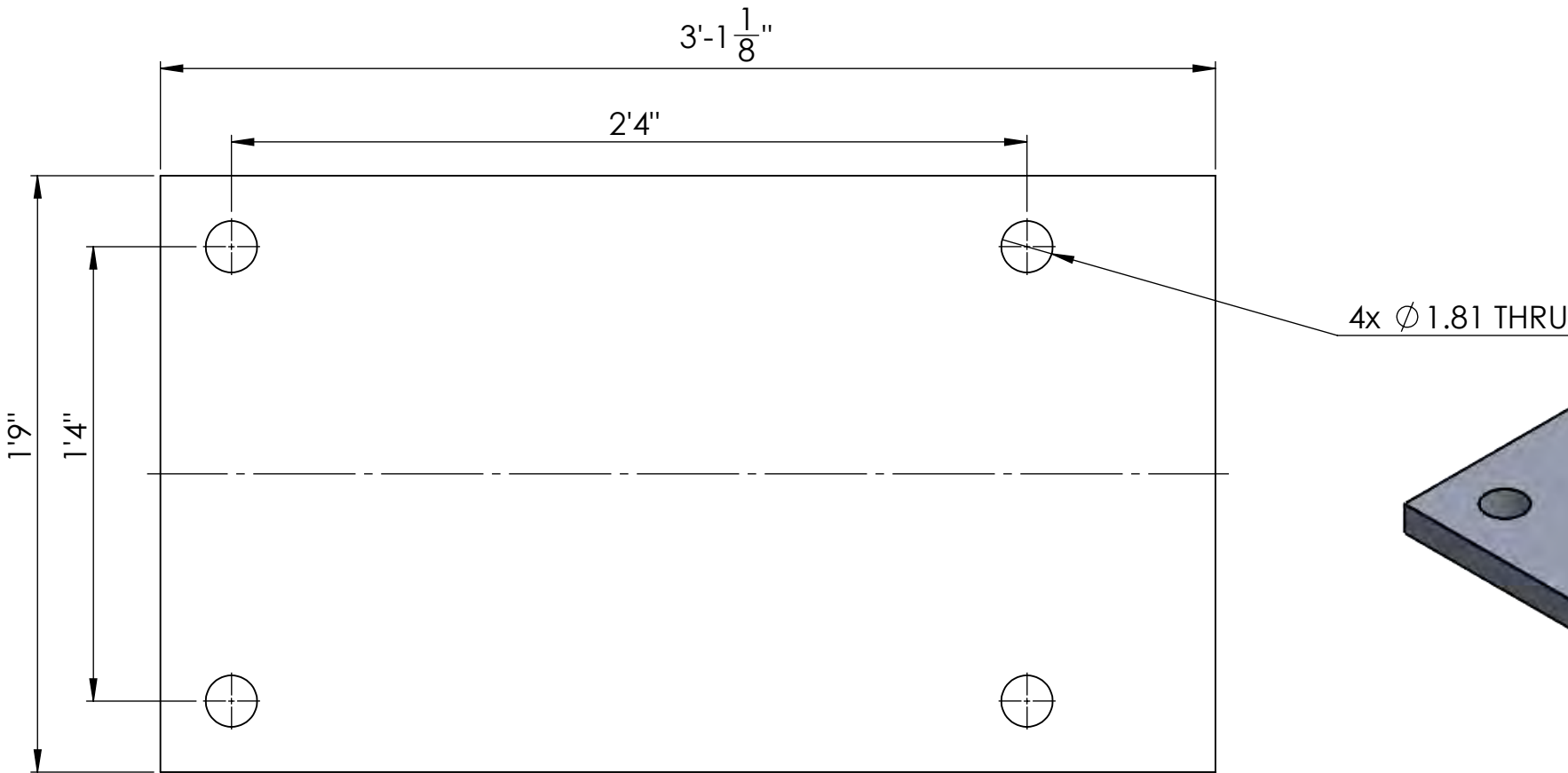



8x  $\varnothing$  1.79 THRU



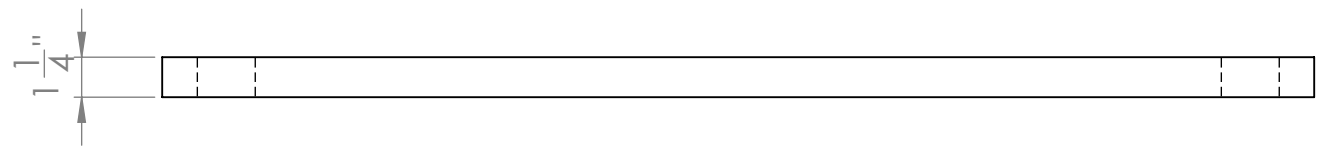
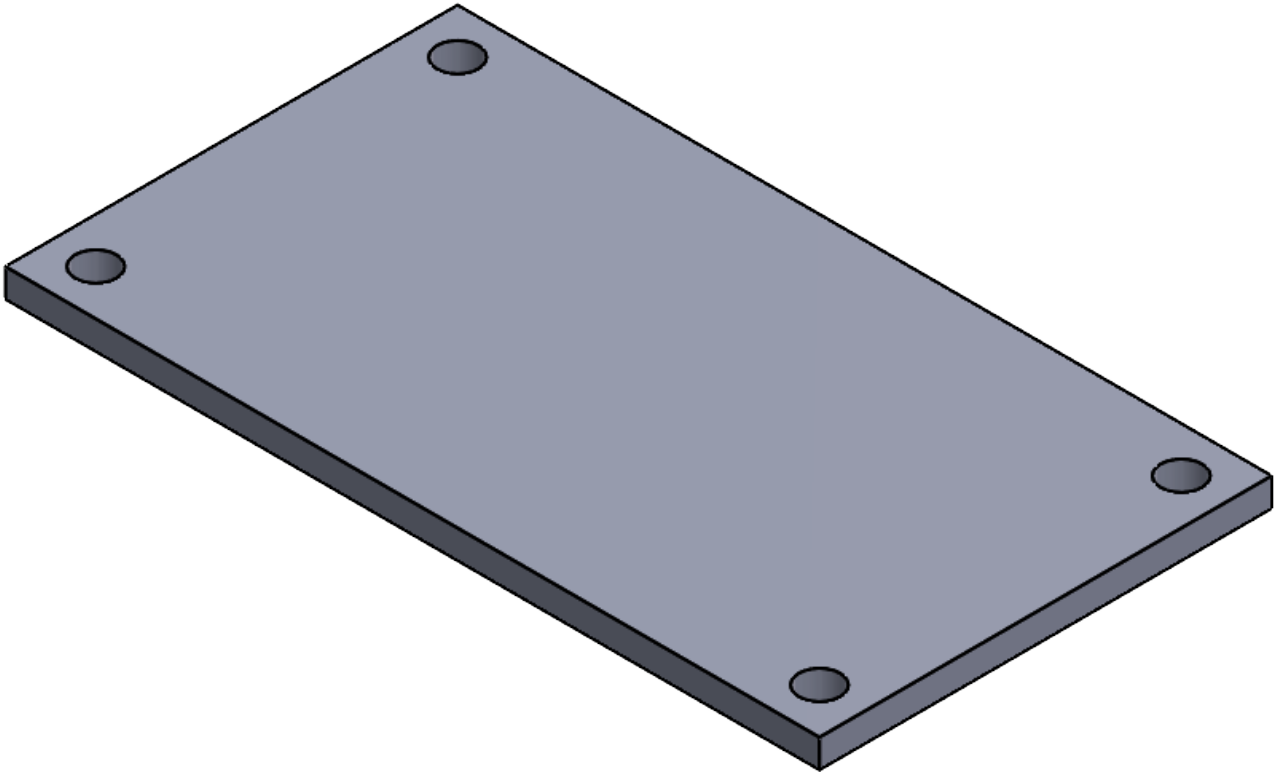
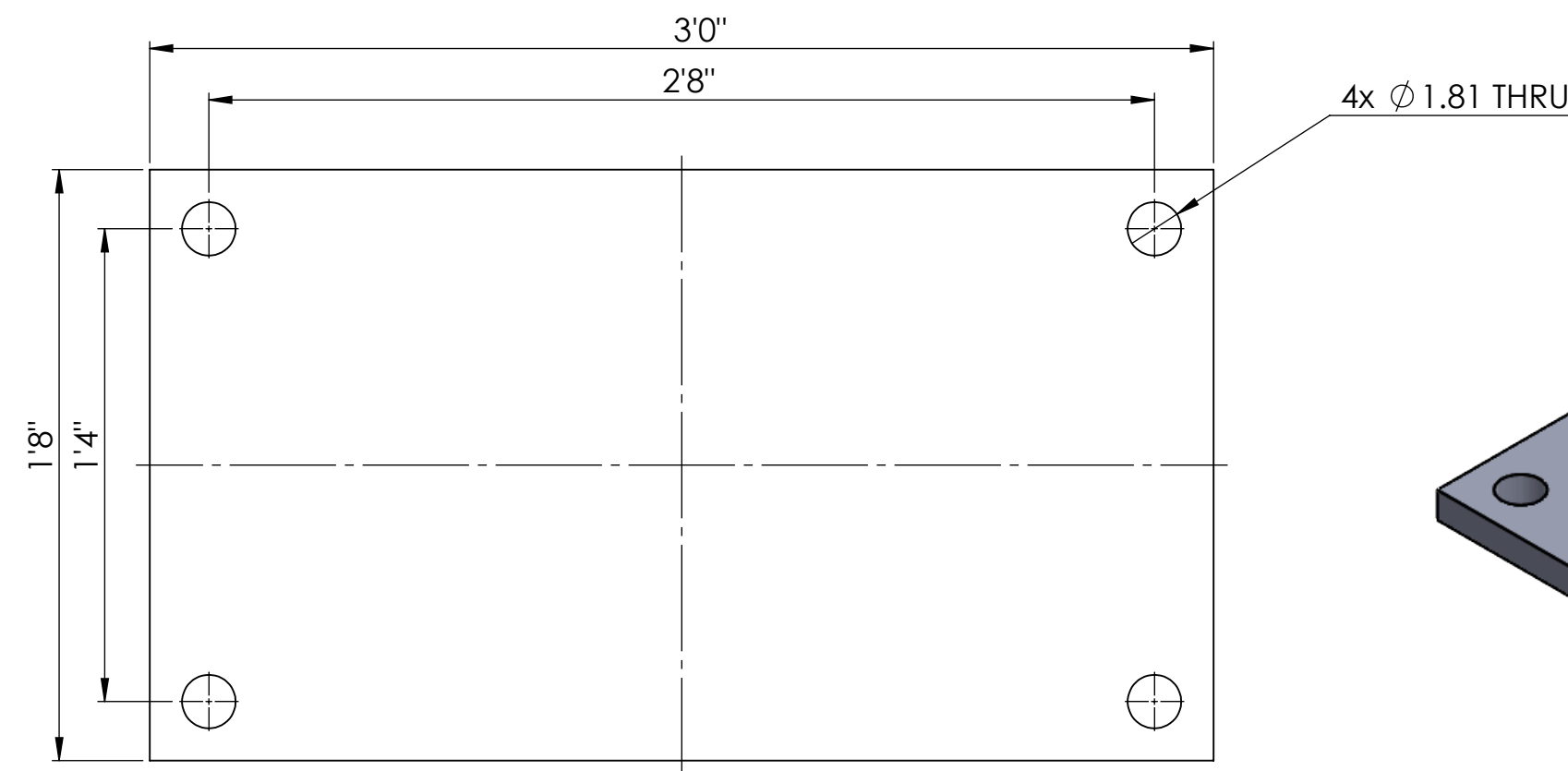
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DRAWN	DL	6/25/2025	TITLE: <b>FILLER PLATE</b>			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIEMENS.						
			SIZE <b>B</b>	DWG. NO. <b>8-0</b>	REV <b>V1</b>	
			SCALE: 1:5	WEIGHT: 140	SHEET 7 OF 18	


QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
2	13-0	BRACE FILLER PLATE	PL1.25x37.13	37	35	A572-50



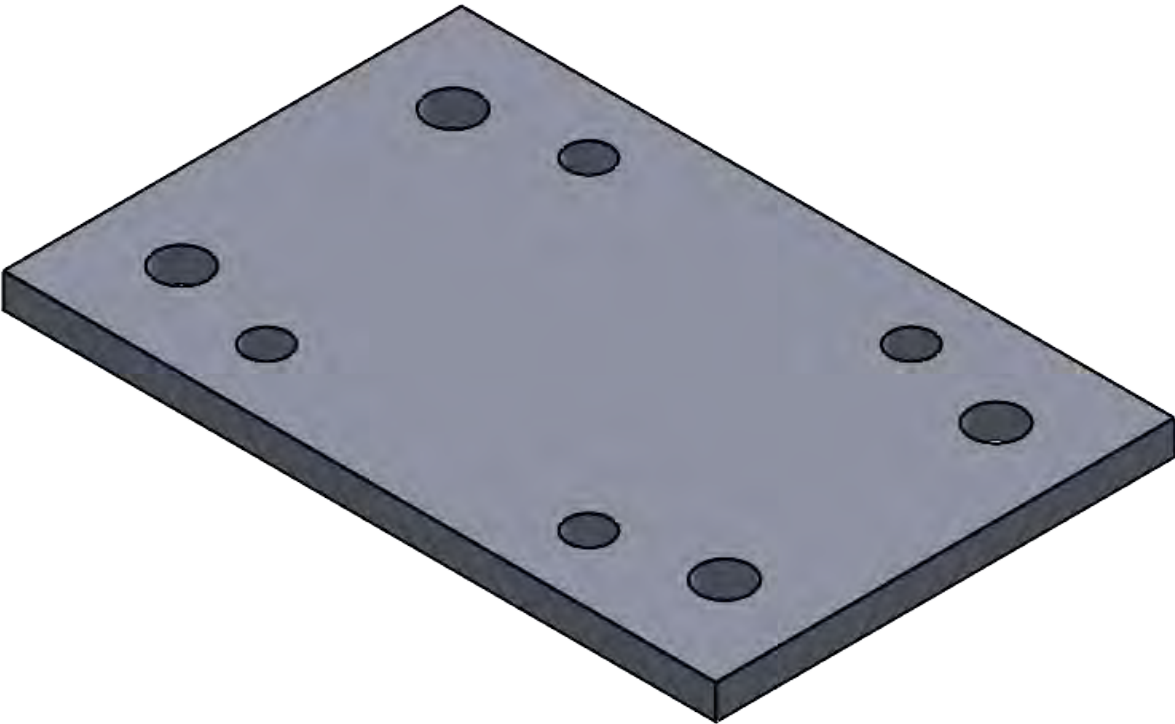
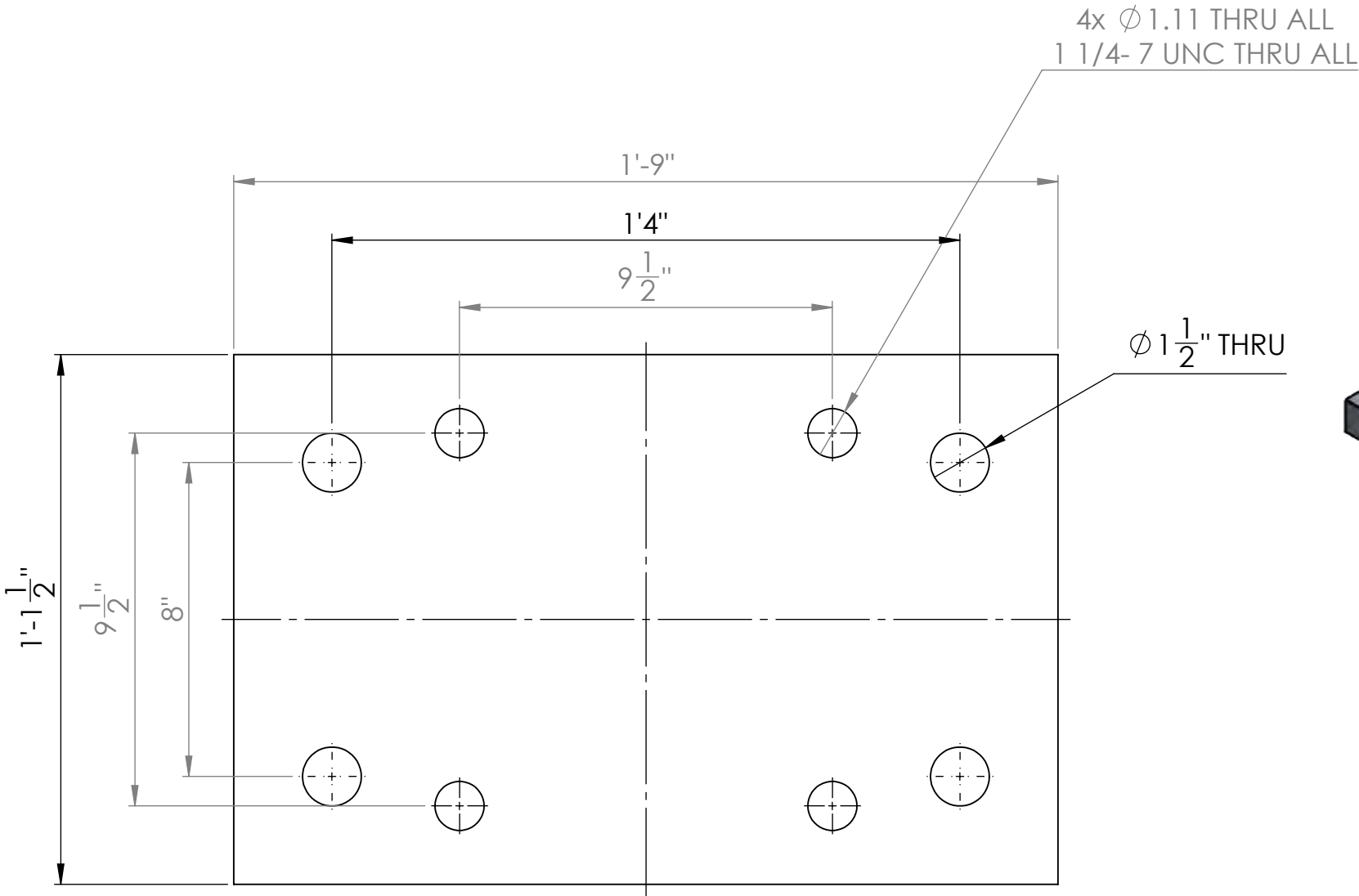
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DRAWN	DL	6/25/2025	TITLE:  BRACE FOR FILLER PLATE			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST SPECIEMENS.						
			SIZE	DWG. NO.		REV
			B	9-0		V1
			SCALE: 1:6		WEIGHT: 35	SHEET 8 OF 18


QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
2	14-0	COLUMN FILLER PLATE	PL1.25x36	36.0	32	A572-50

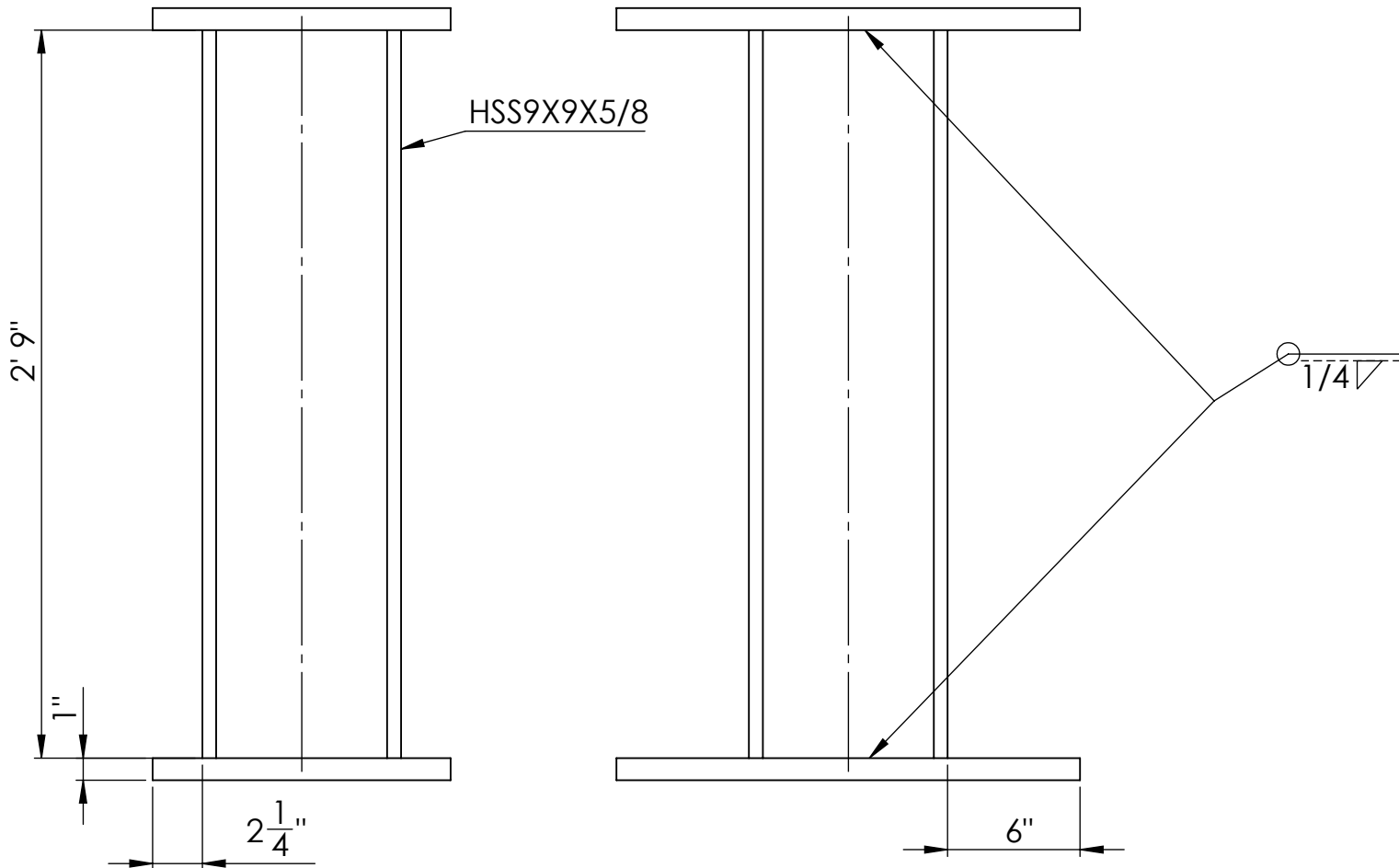
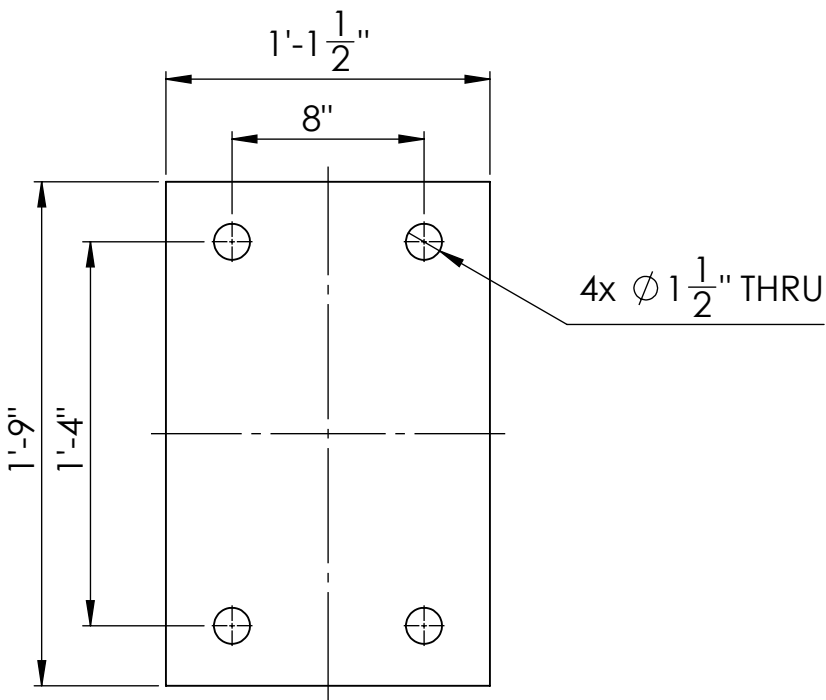


		NAME	DATE	FASTFLOOR TEST SETUP						
DRAWN	DL	6/25/2025					TITLE:  COLUMN FILLER PLATE			
CHECKED	BS									
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO LOAD TEST STEEL SPECIMENS.										
				SIZE B	DWG. NO.  10-0		REV V1			
				SCALE: 1:6		WEIGHT: 32	SHEET 9 OF 18			

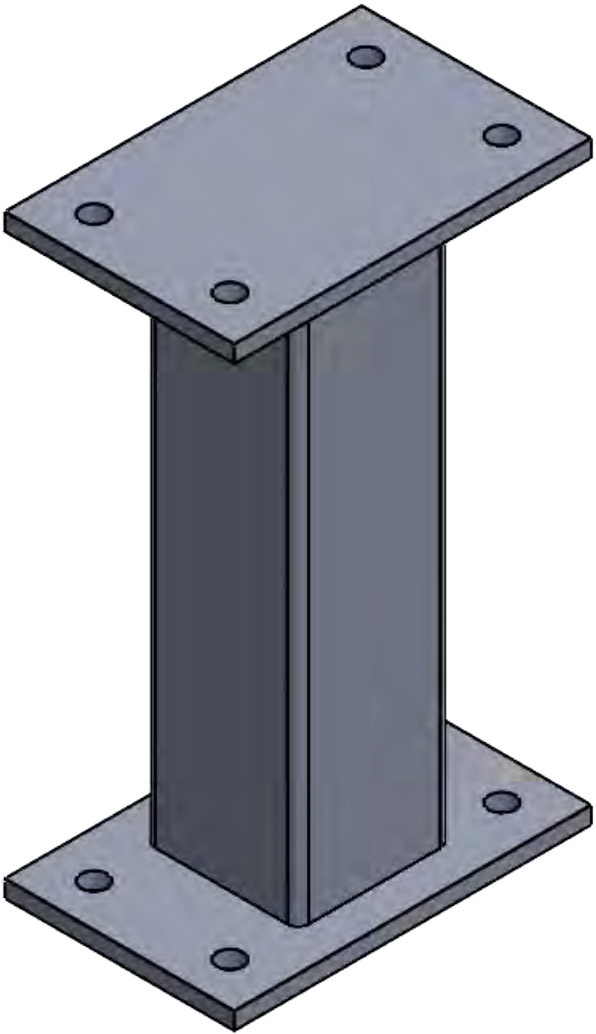
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	15-0	MEDIUM ACTUATOR PLATE	PL1x21	21	9.8	A572-50



	NAME	DATE	FASTFLOOR TEST SETUP			
DRAWN	DL	6/25/2025	TITLE: <b>MEDIUM ACTUATOR PLATE</b>			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO LOAD TEST STEEL SPECIMENS.			SIZE <b>B</b>	DWG. NO. <b>11-0</b>	REV <b>V1</b>	
			SCALE: 1:4	WEIGHT: 10	SHEET 10 OF 18	



QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	18-0	HSS EXTENDER	HSS9x9x5/8	1	92.6	A500-C
2	15-0	MEDIUM ACTUATOR PLATE	PL1x21	2	10.0	A572-50

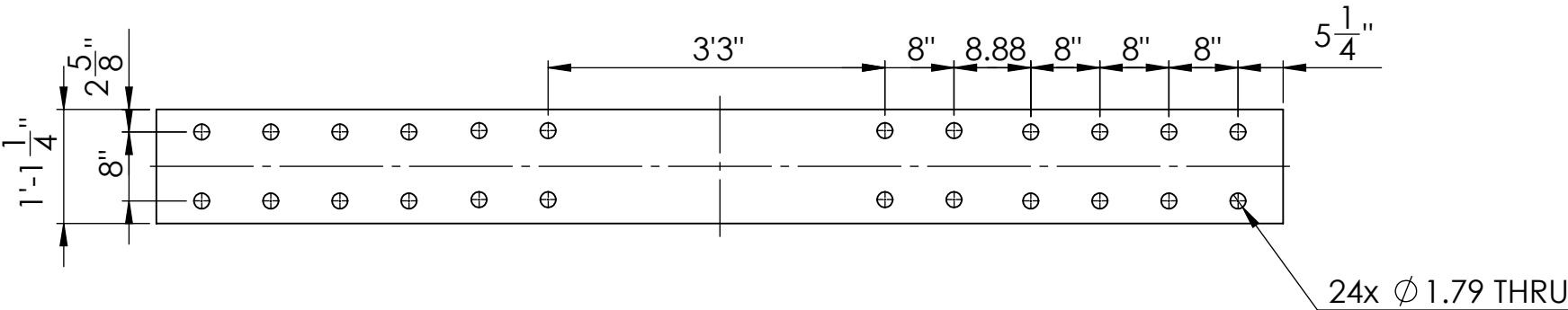
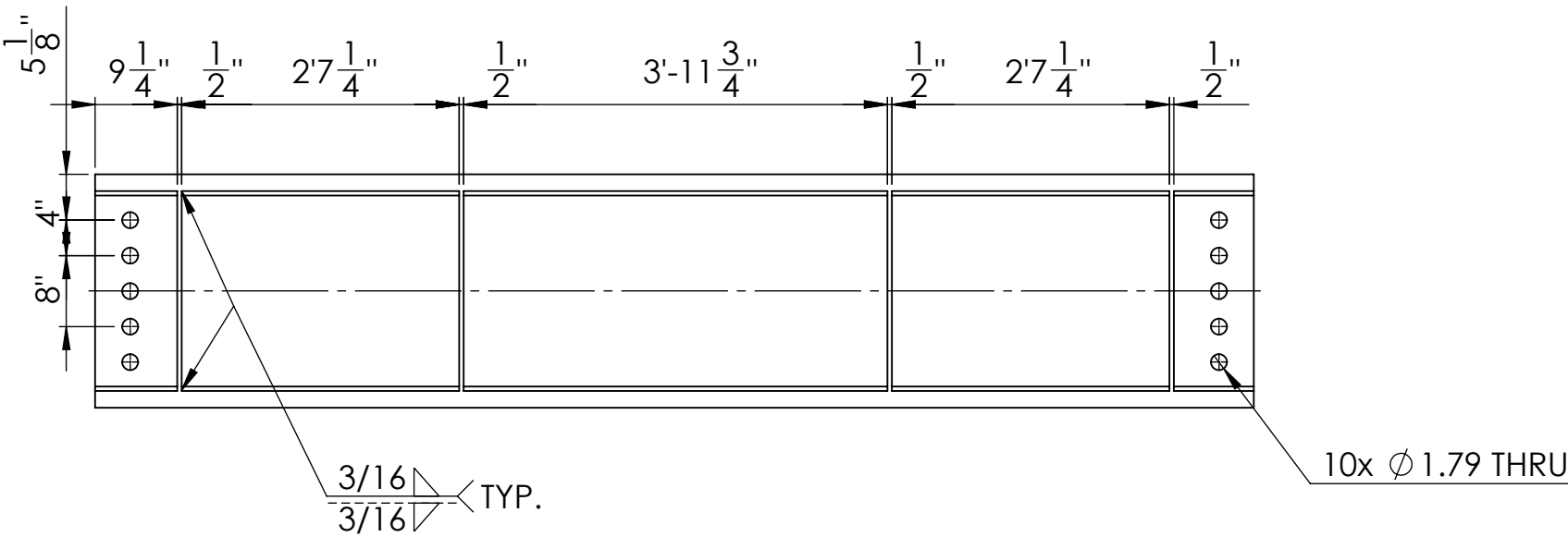
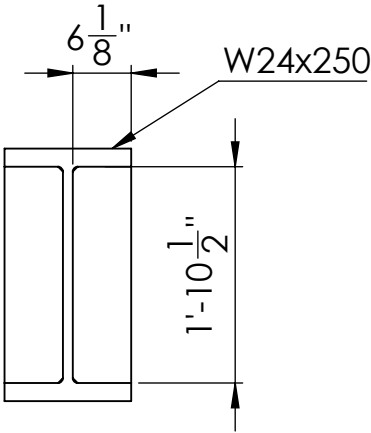
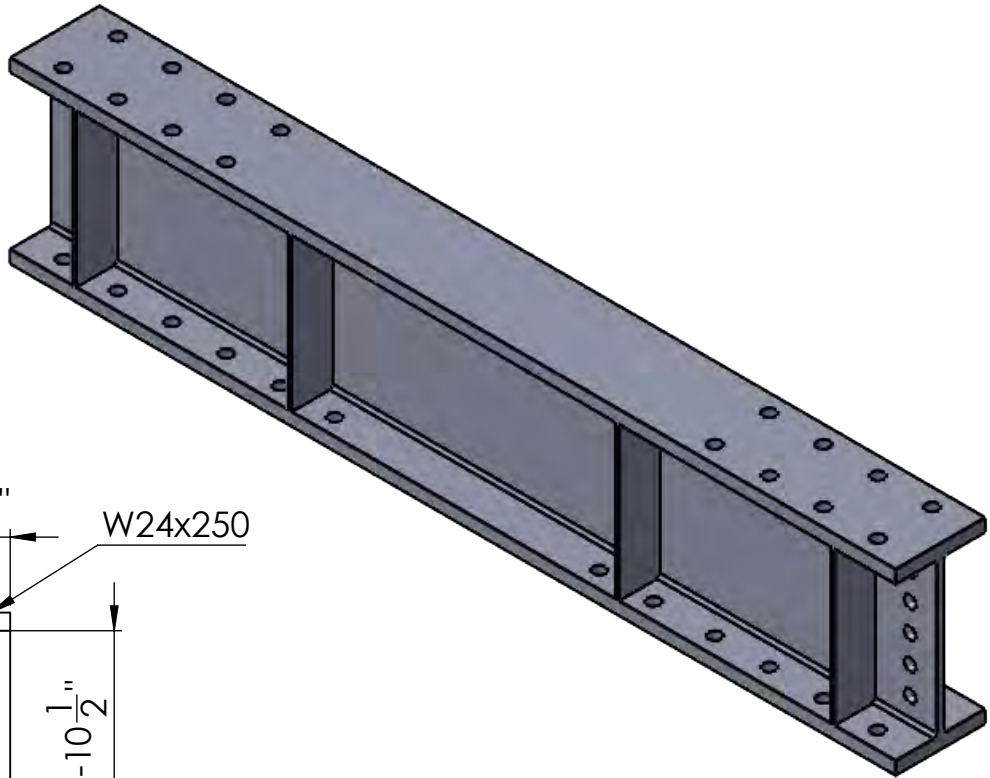
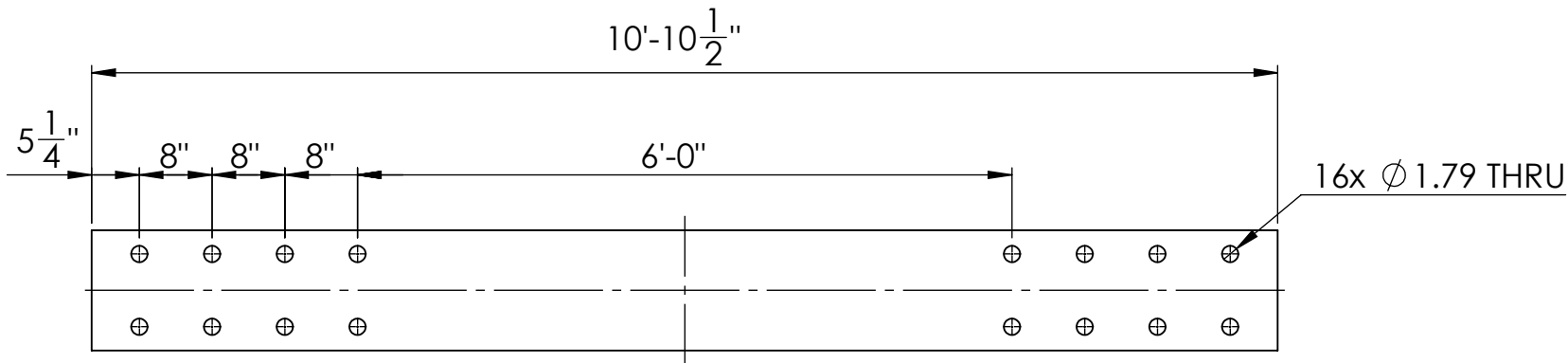


	NAME	DATE	FASTFLOOR GRAVITY TEST			
DRAWN	DL	6/25/2025	TITLE: HSS EXTENDER			
CHECKED	SB					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS UNDER LOAD.			SIZE B	DWG. NO. 12-0	REV V1	
Northeastern University			SCALE: 1:8	WEIGHT: 100	SHEET 13 OF 22	



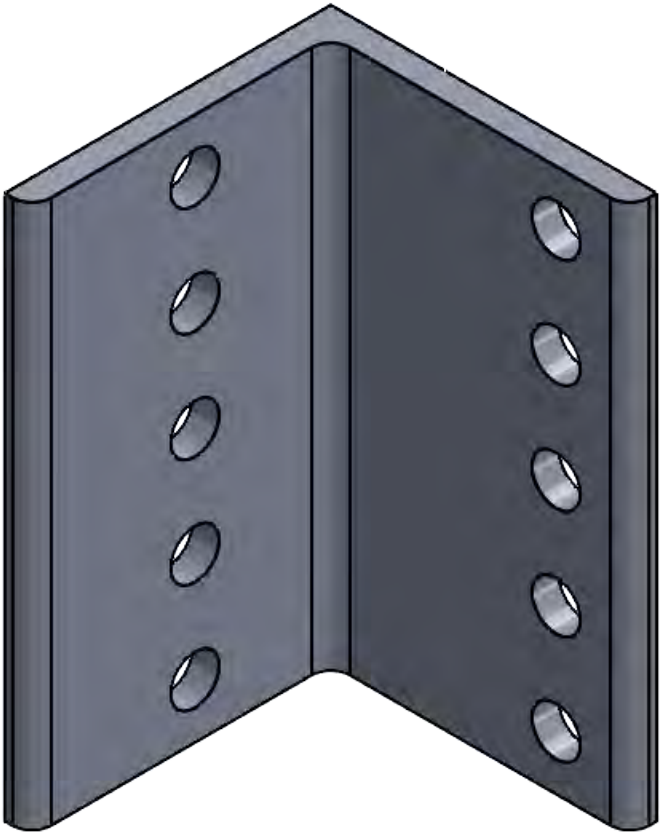
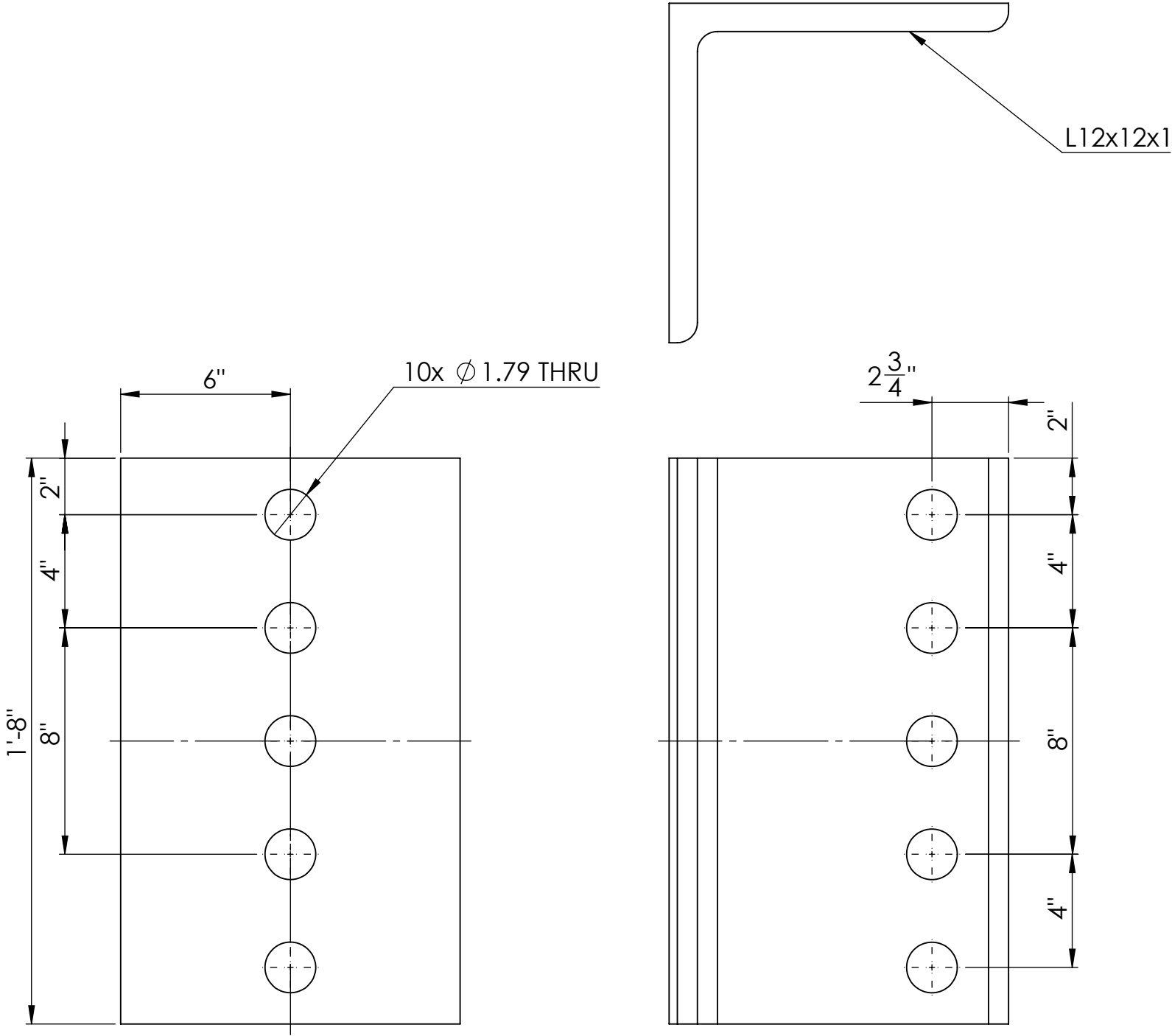


QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	19-0	CROSS BEAM	W24x250	130.5	2710	A992
6	20-0	CROSS BEAM THIN PLATE	PL0.5x22.5	2	18.5	A572-50



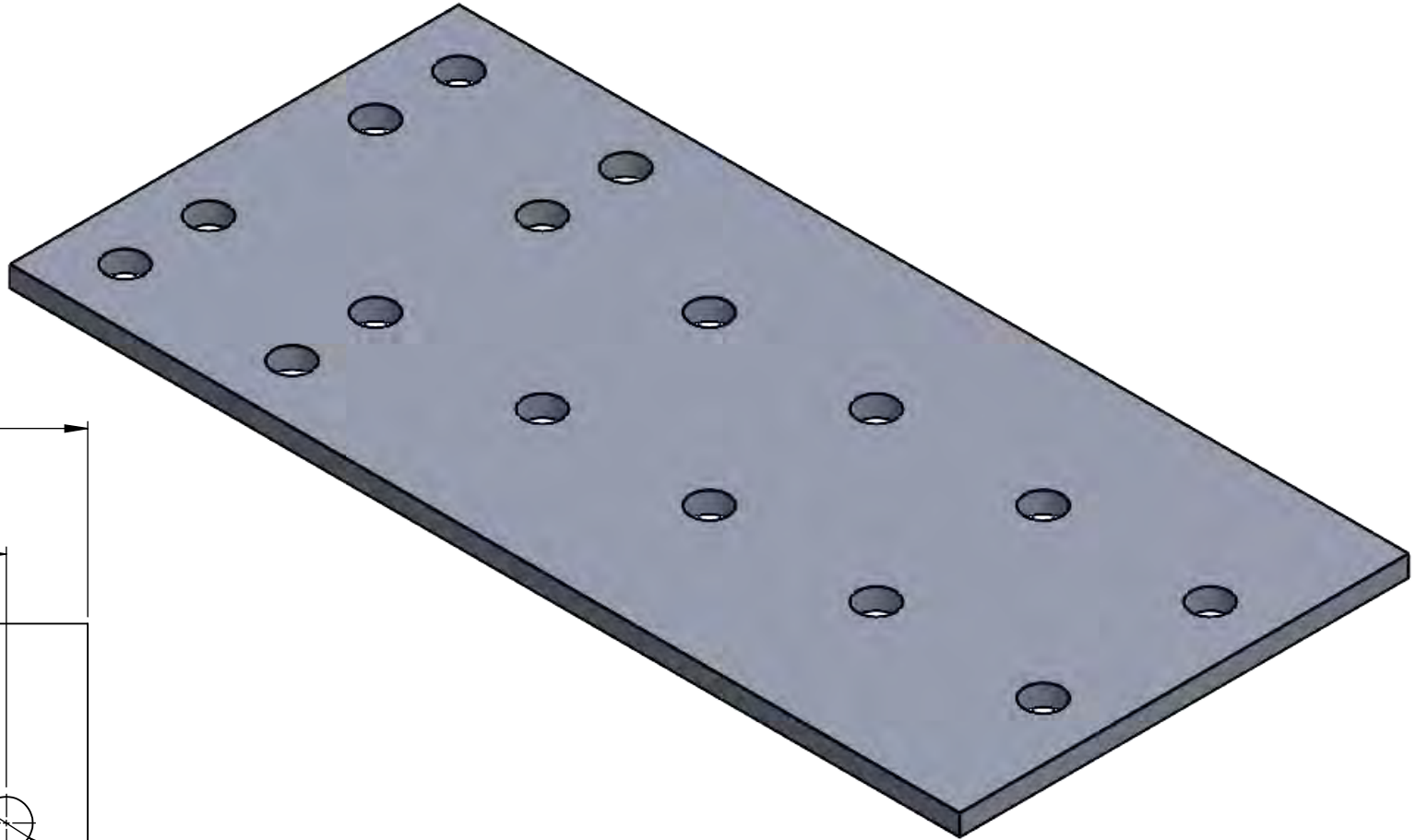
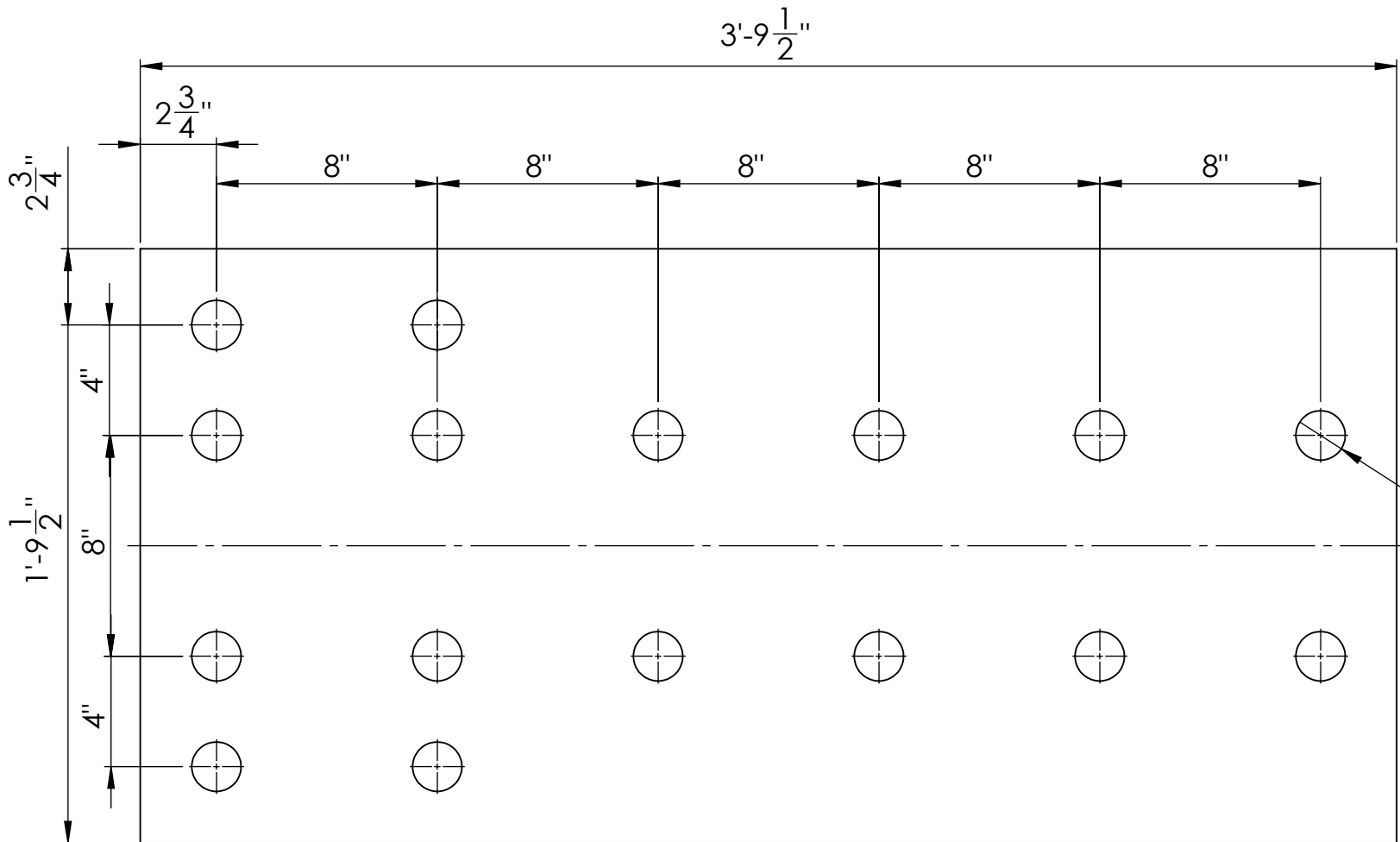
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DRAWN	DL	6/25/2025	TITLE: <b>CROSS BEAM</b>			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.			SIZE <b>B</b>	DWG. NO. <b>14-0</b>	REV <b>V1</b>	
Northeastern University			SCALE: 1:20	WEIGHT: 80	SHEET 12 OF 18	

QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
2	21-0	EQUAL LEG ANGLE	L12x12x1	20.0	15.6	A572-50

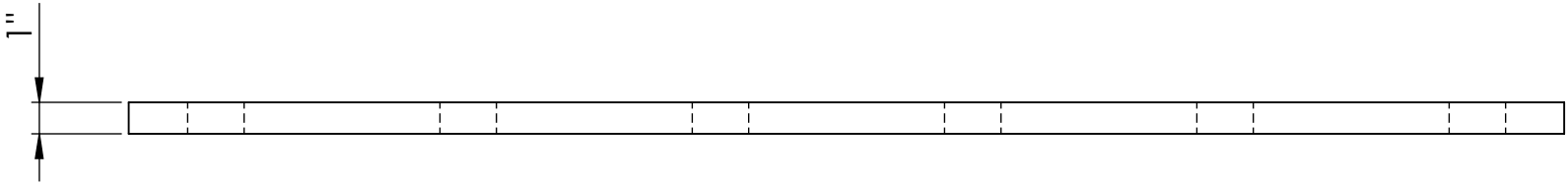



			FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025	TITLE: <b>EQUAL LEG ANGLE</b>		
CHECKED	BS				
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIEMENS.					
			SIZE <b>B</b>	DWG. NO. <b>15-0</b>	REV <b>V1</b>
			SCALE: 1:5	WEIGHT: 16	SHEET 13 OF 18

QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
4	22-0	RESTRAINED PLATE 2	PL21.52x45 .52	45.5	33.9	A572-50

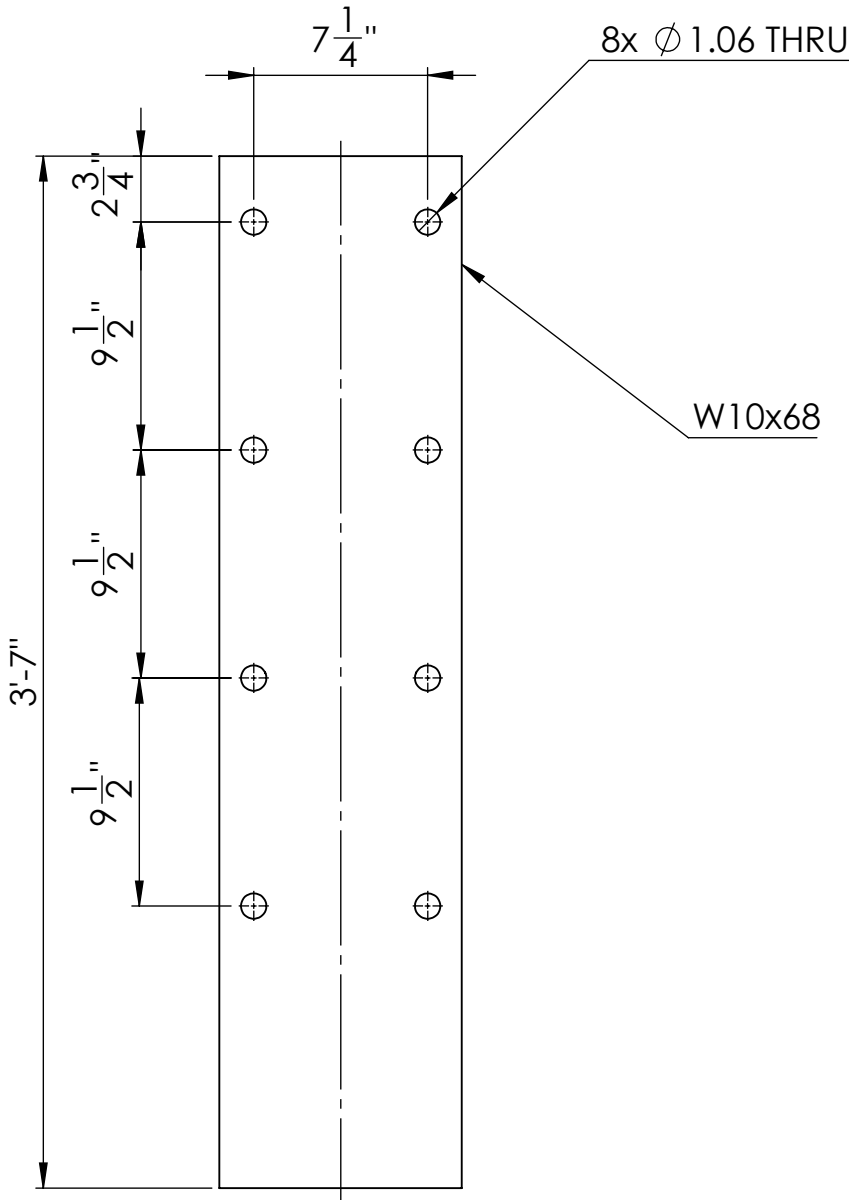
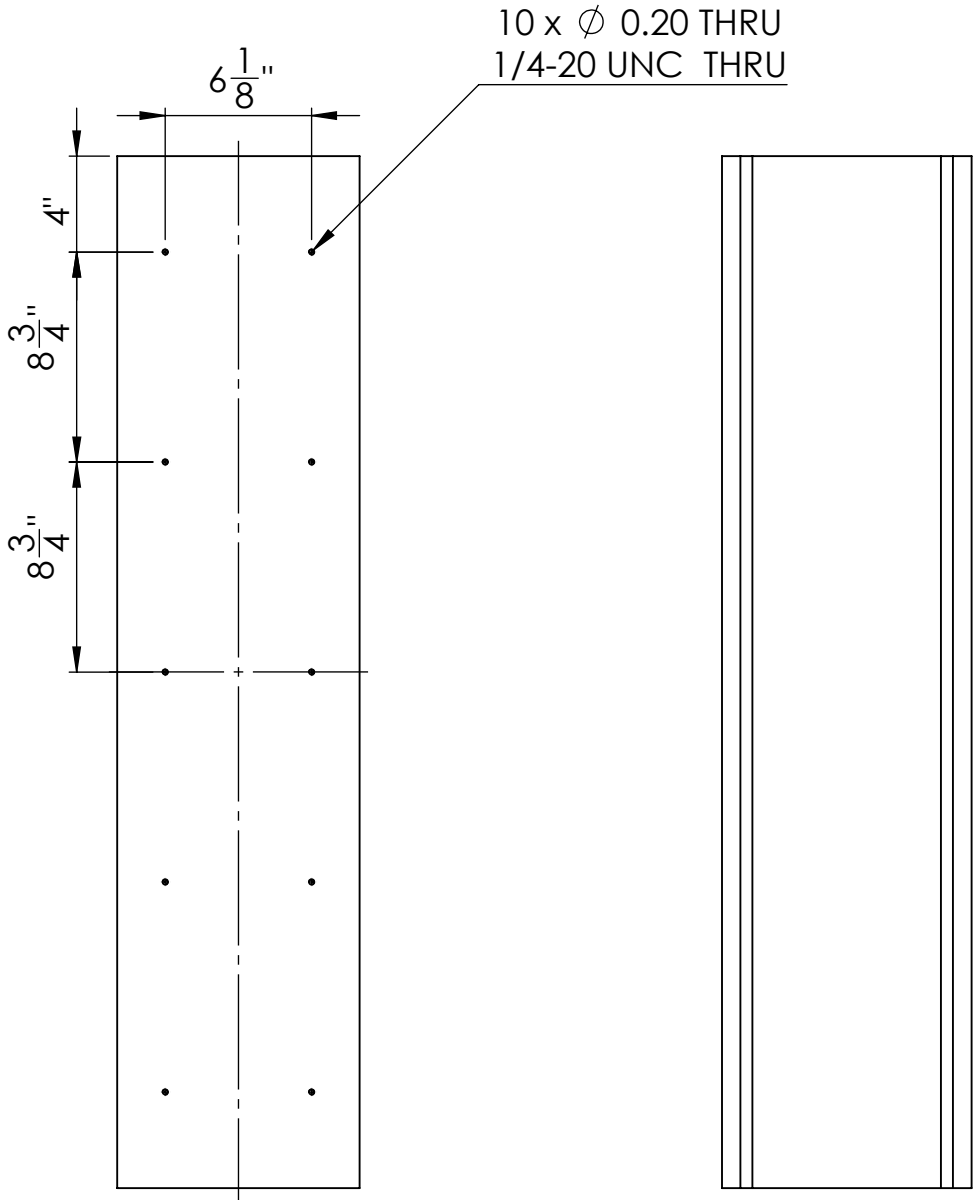


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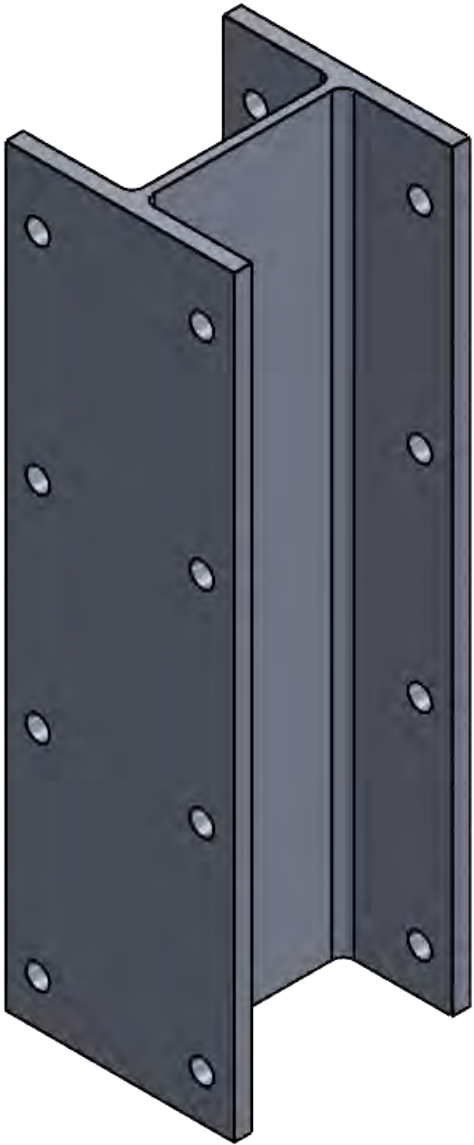
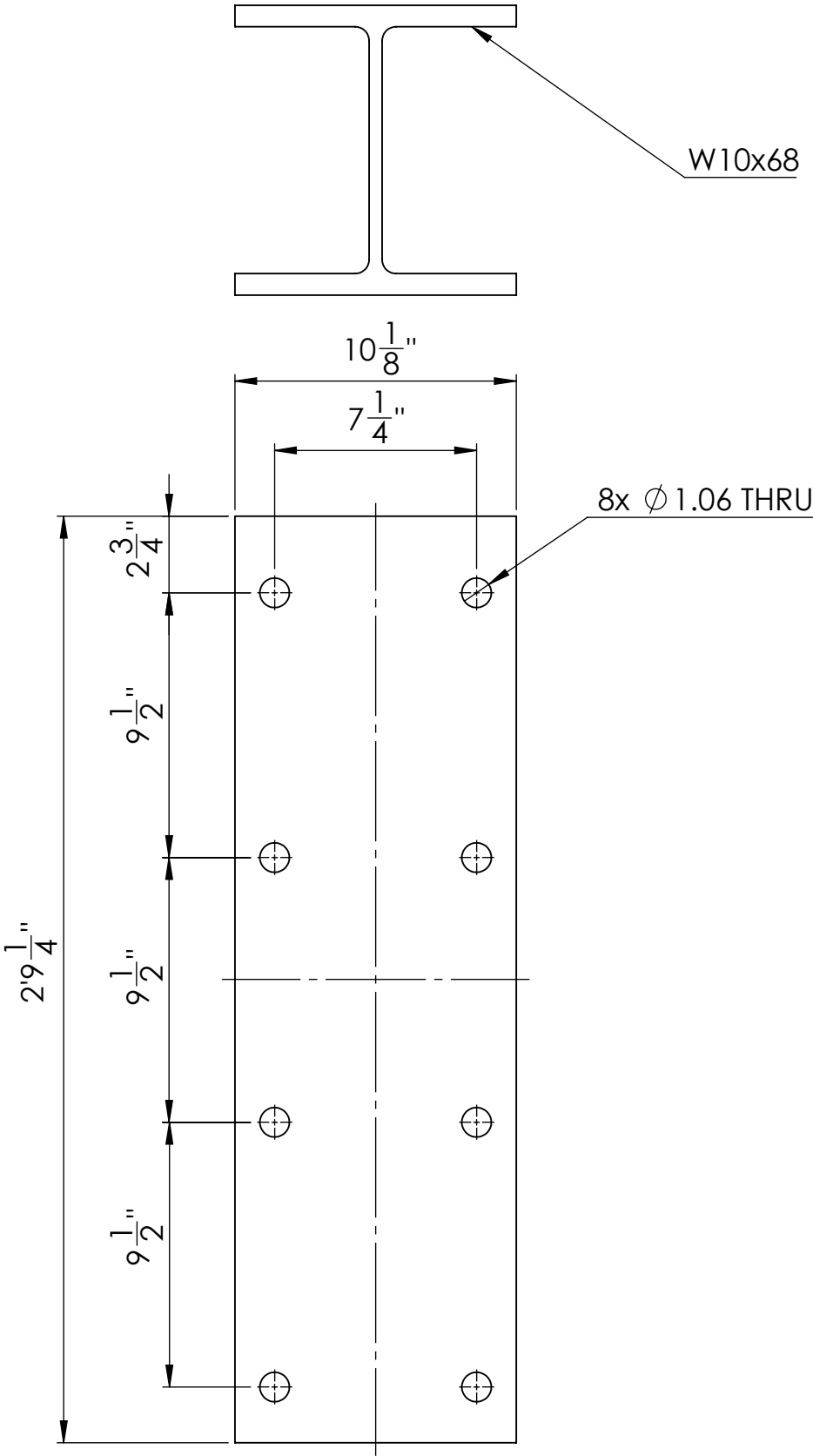
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DRAWN	DL	6/25/2025	TITLE:  RESTRAINED  PLATE 2			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIEMENS.						
			SIZE	DWG. NO.		REV
			B	16-0		V1
			SCALE: 1:6	WEIGHT: 34	SHEET 14 OF 18	

QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
2	23-0	LONG OUT PLANE W BEAM	W10x68	43	243	A992



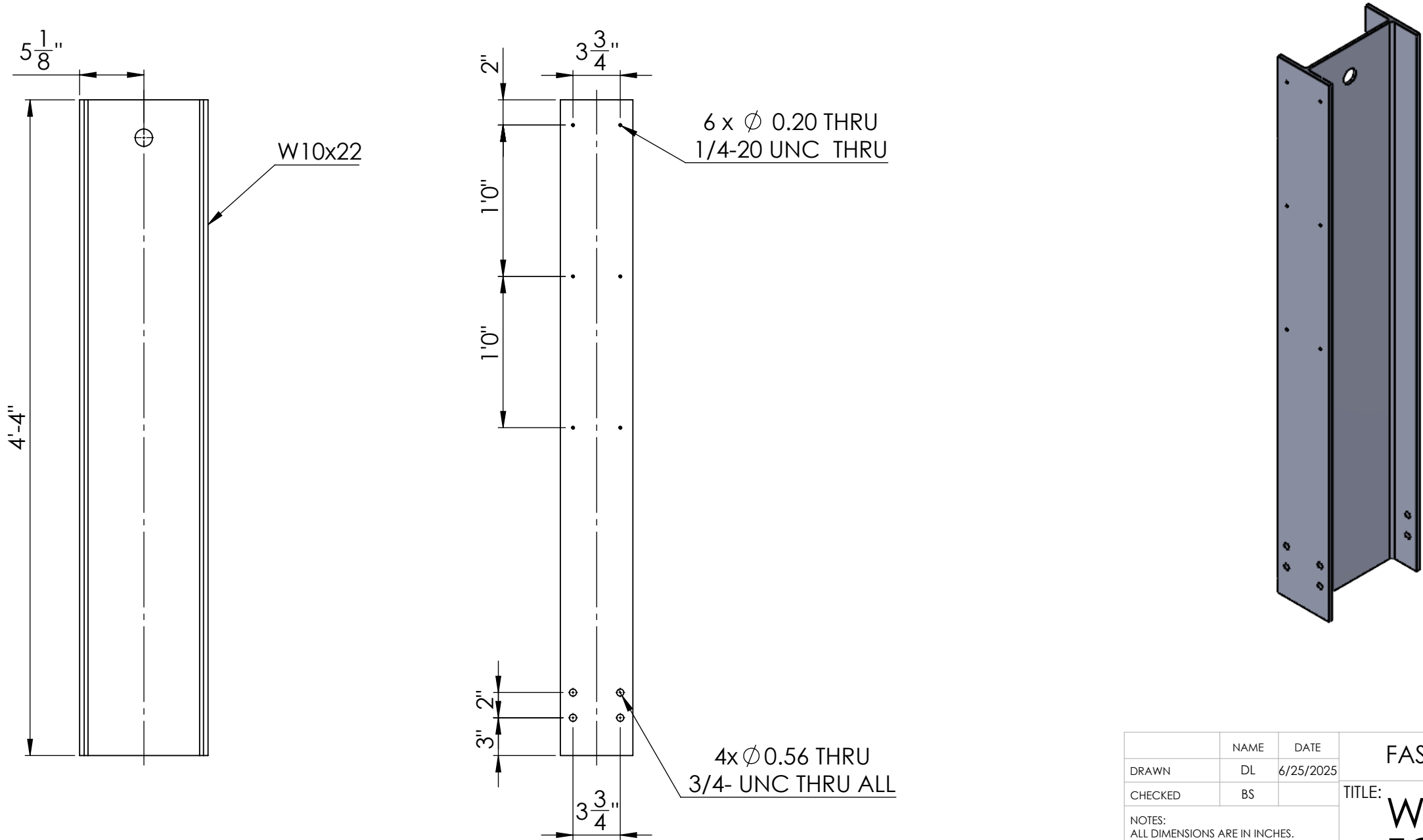
	NAME	DATE	FASTFLOOR TEST SETUP			
DRAWN	DL	6/25/2025	TITLE: <b>LONG OUT PLANE W BEAM</b>			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TEST STEEL SPECIEMENS.						
			SIZE <b>B</b>	DWG. NO. <b>17-0</b>	REV <b>V1</b>	
			SCALE: 1:8		WEIGHT: 43	SHEET 15 OF 18


QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	24-0	SMALL OUT PLANE W BEAM	W10x68	33.3	23.6	A992



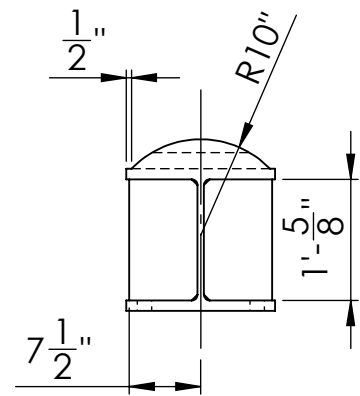
	NAME	DATE	FASTFLOOR TEST SETUP			
DRAWN	DL	6/25/2025	TITLE: <b>SMALL OUT PLATE W BEAM</b>			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.			SIZE <b>B</b>	DWG. NO. <b>18-0</b>	REV <b>V1</b>	
Northeastern University			SCALE: 1:6	WEIGHT: 24	SHEET 16 OF 18	

QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
6	7-0	W BEAM FOR SUPPORT	W10x22	52	95	A36

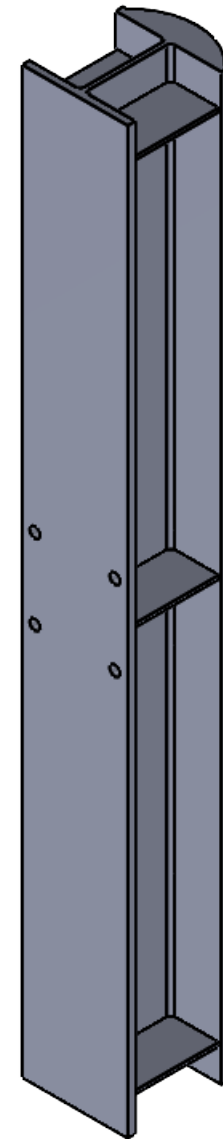
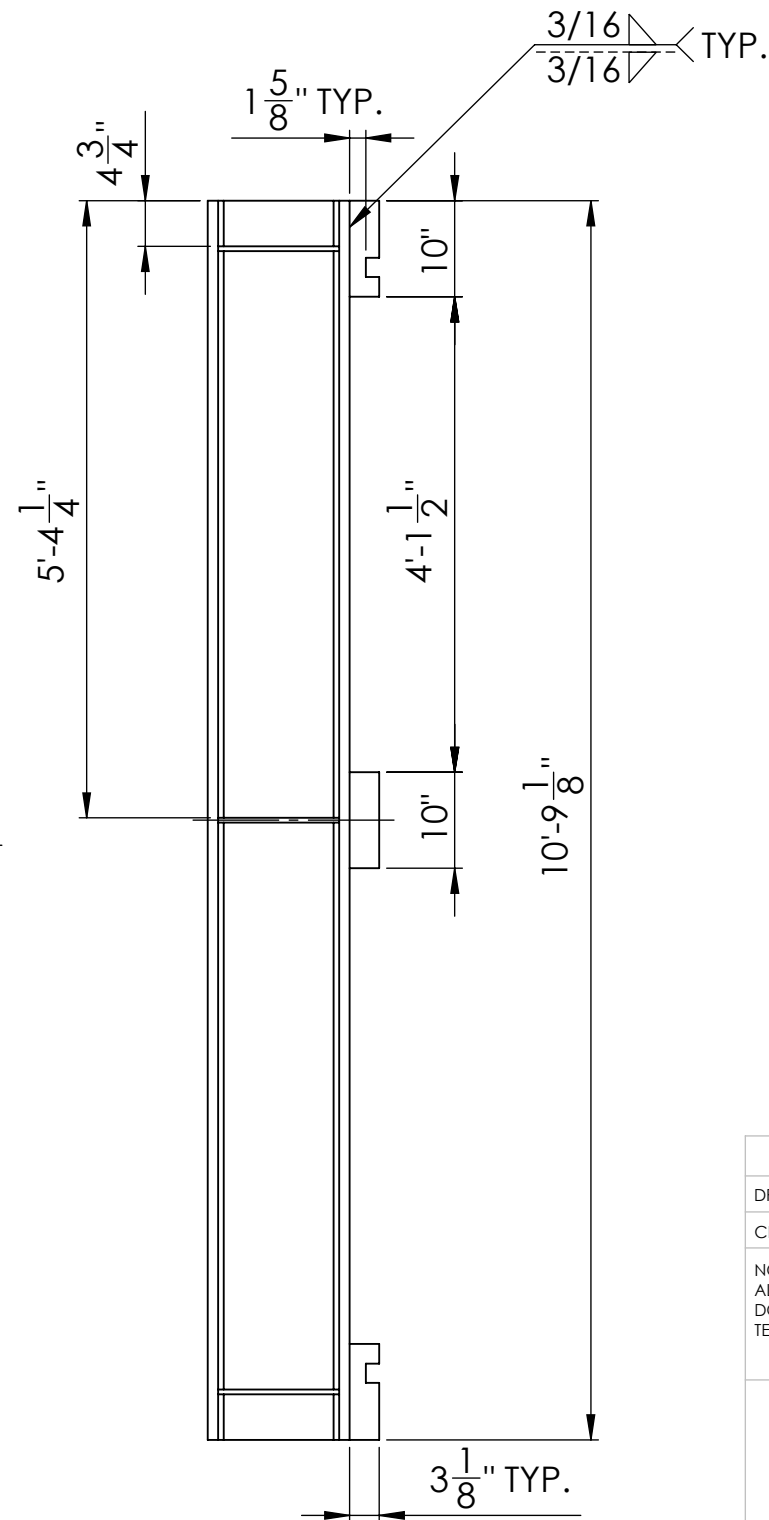
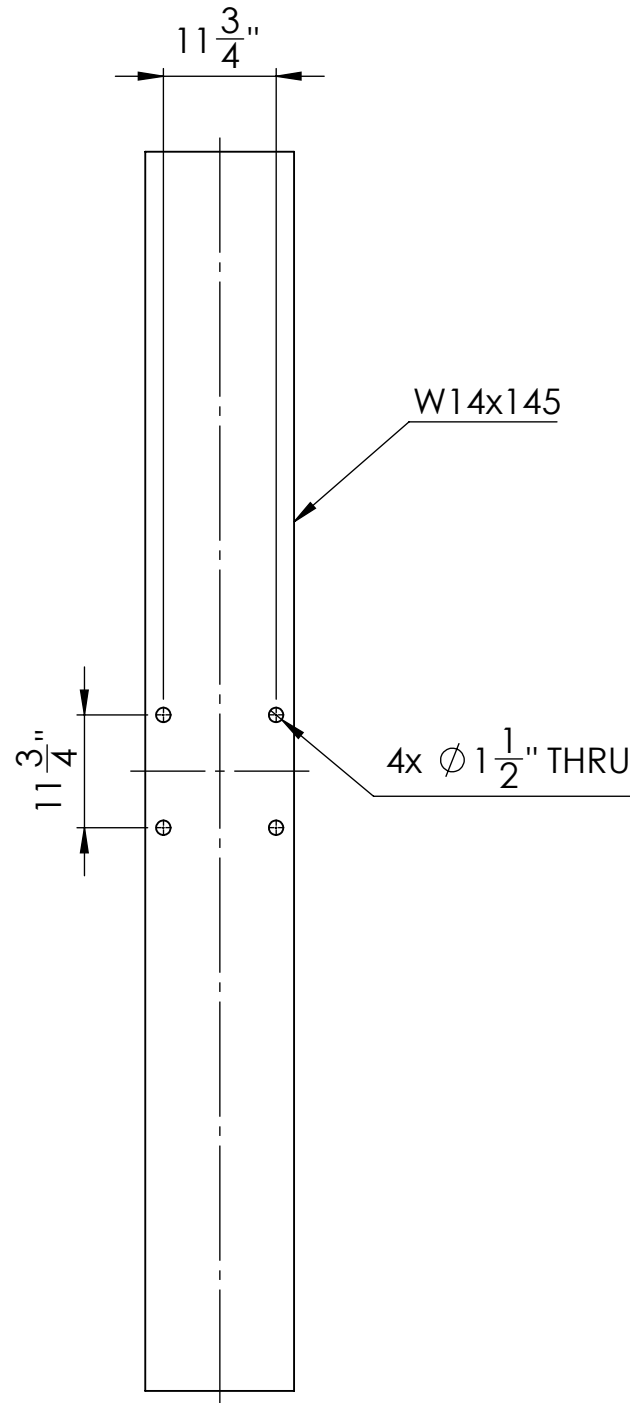
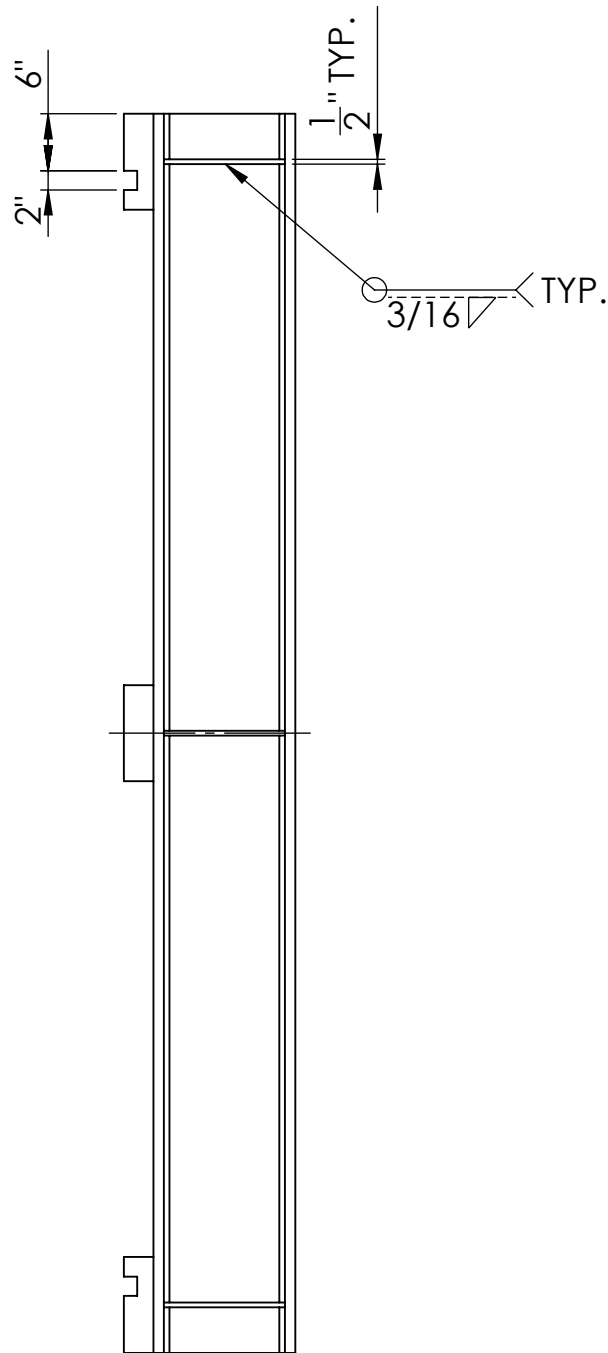


			FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025	TITLE: <b>W BEAM FOR SUPPORT</b>		
CHECKED	BS				
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.					
			SIZE <b>B</b>	DWG. NO. <b>19-0</b>	REV <b>V3</b>
			SCALE: 1:10	WEIGHT: 95	SHEET 5 OF 5

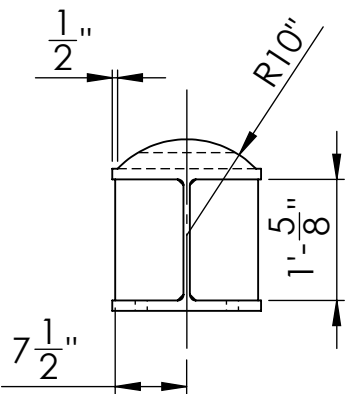




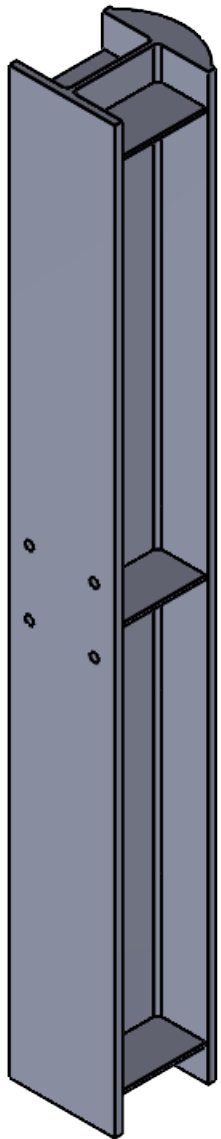
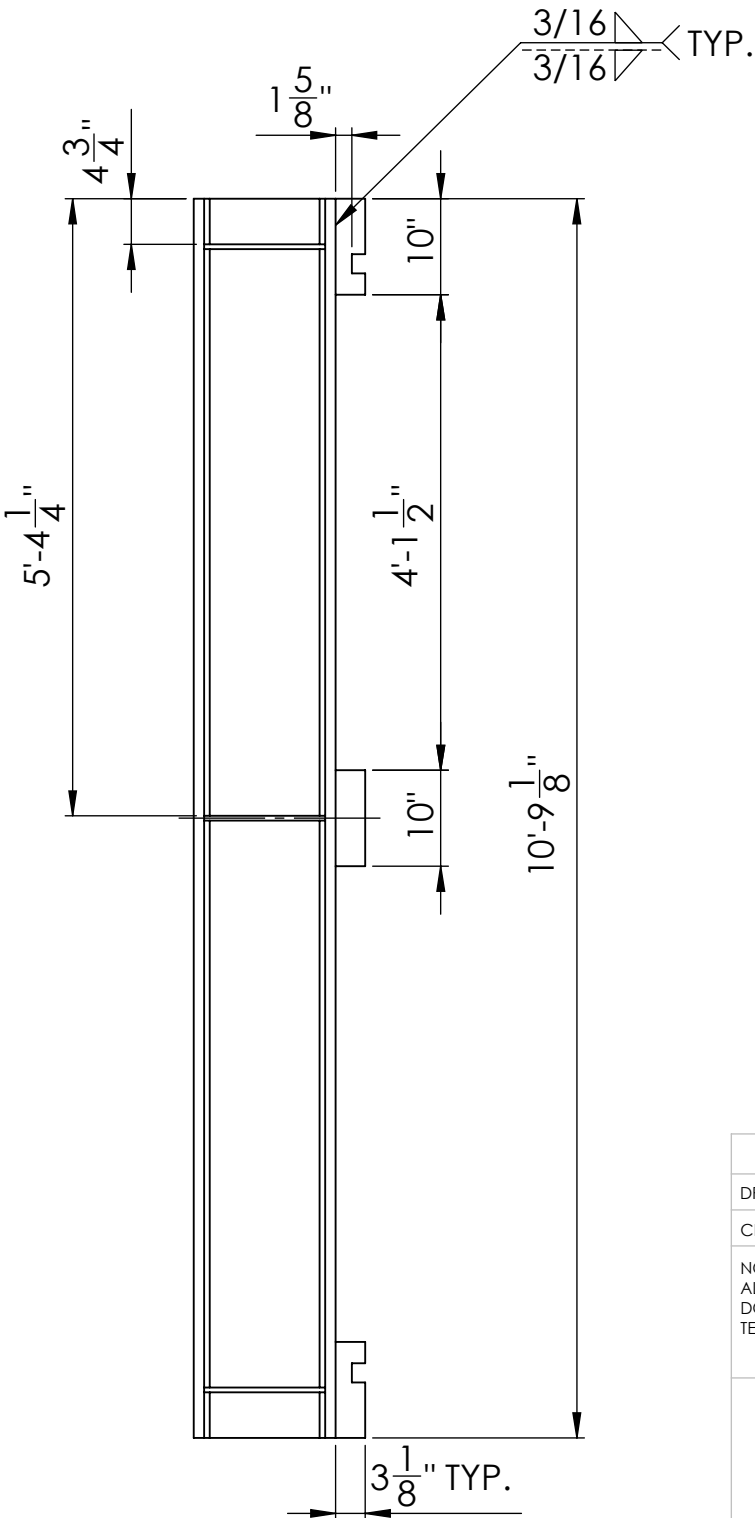
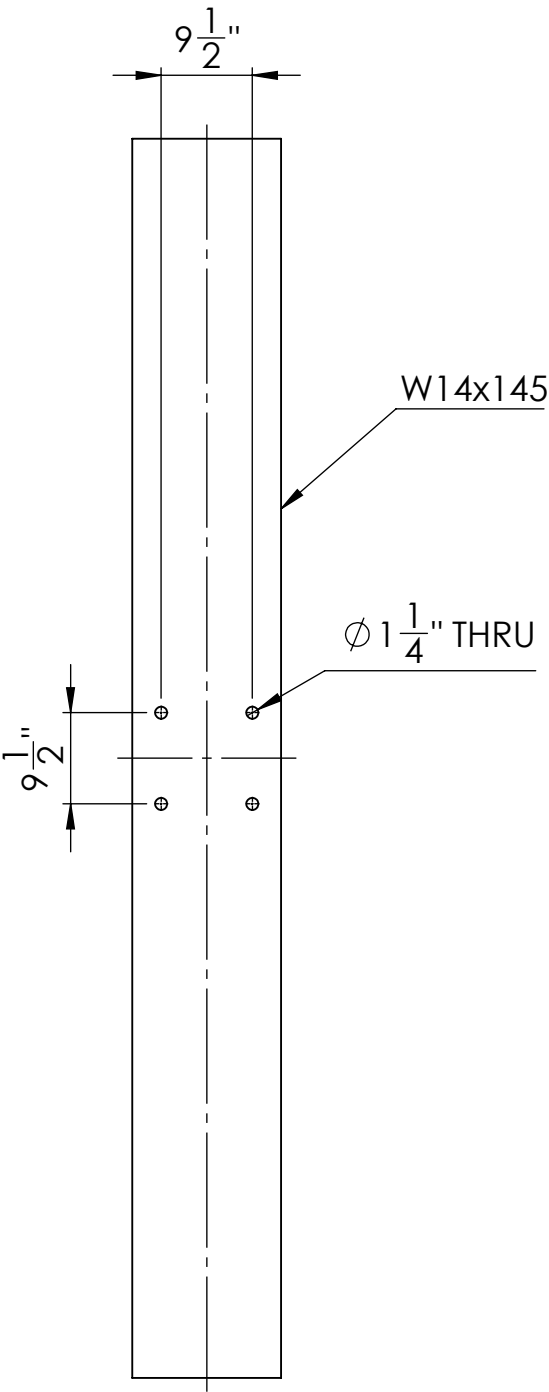
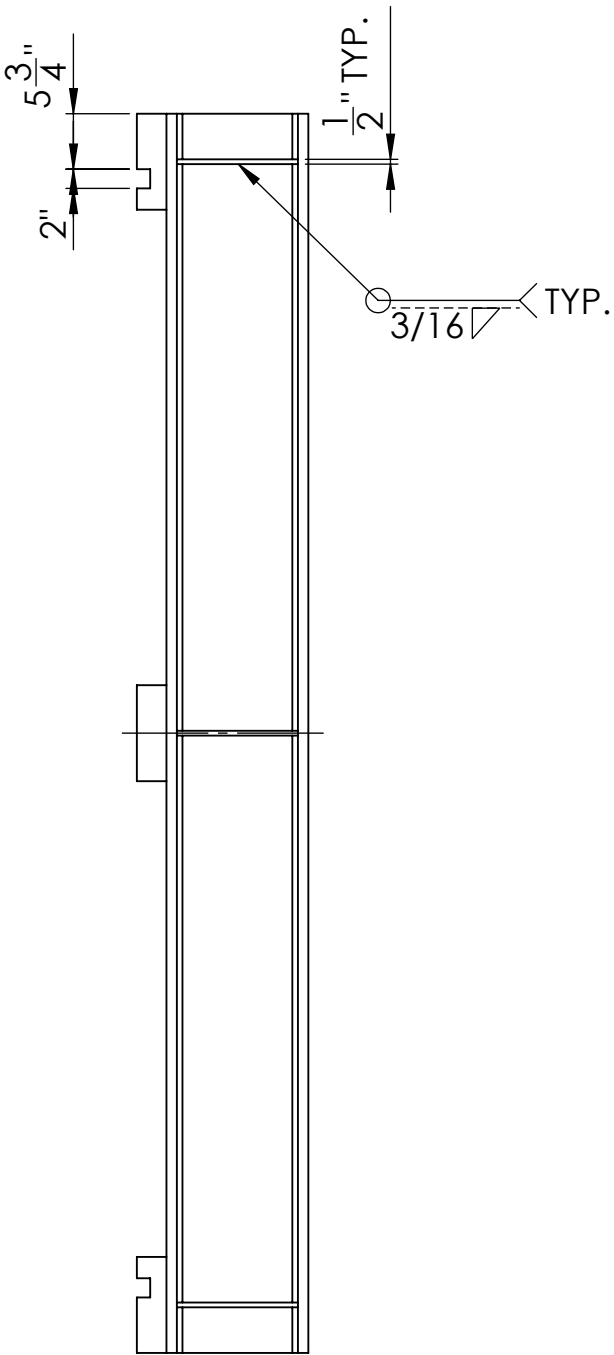
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	25-0	LARGE ACT - LOADING WBEAM	W14x145	129	1560	A572-50
6	26-0	W BEAM STIFFENERS	PL0.5x12.5	12.625	12.5	A572-50
2	27-0	SPLIT CYLINDER SLOTTED	Solid Round 20"	10	100	A36
1	29-0	SPLIT CYLINDER	Solid Round 20"	4	100	A36



			FASTFLOOR TEST SETUP		
DRAWN	NAME	DATE	TITLE: <b>LARGE ACT - LOADING BEAM</b>		
CHECKED	DL	6/25/2025			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.					
			SIZE	DWG. NO.	REV
			<b>B</b>	<b>20-0</b>	<b>V3</b>
SCALE: 1:20			WEIGHT:		SHEET 1 OF 5



QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	25-0	LARGE ACT - LOADING WBEAM	W14x145	129	1560	A572-50
6	26-0	W BEAM STIFFENERS	PL0.5x12.5	12.625	12.5	A572-50
2	27-0	SPLIT CYLINDER SLOTTED	Solid Round 20"	10	100	A36
1	29-0	SPLIT CYLINDER	Solid Round 20"	4	100	A36



			FASTFLOOR TEST SETUP			
DRAWN	DL	6/25/2025	TITLE: <b>MED ACT - LOADING BEAM</b>			
CHECKED	BS					
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.						
			SIZE <b>B</b>	DWG. NO. <b>21-0</b>	REV <b>V3</b>	
			SCALE: 1:20		WEIGHT: 1900	SHEET 2 OF 5