

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

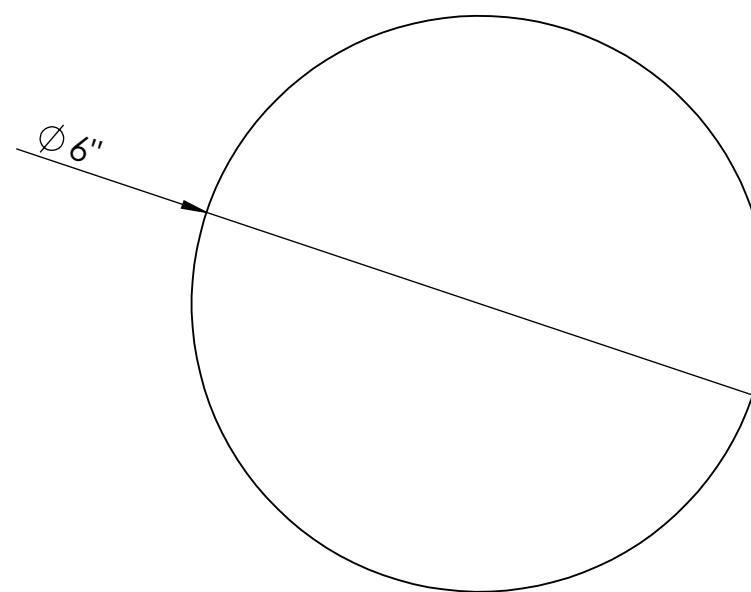
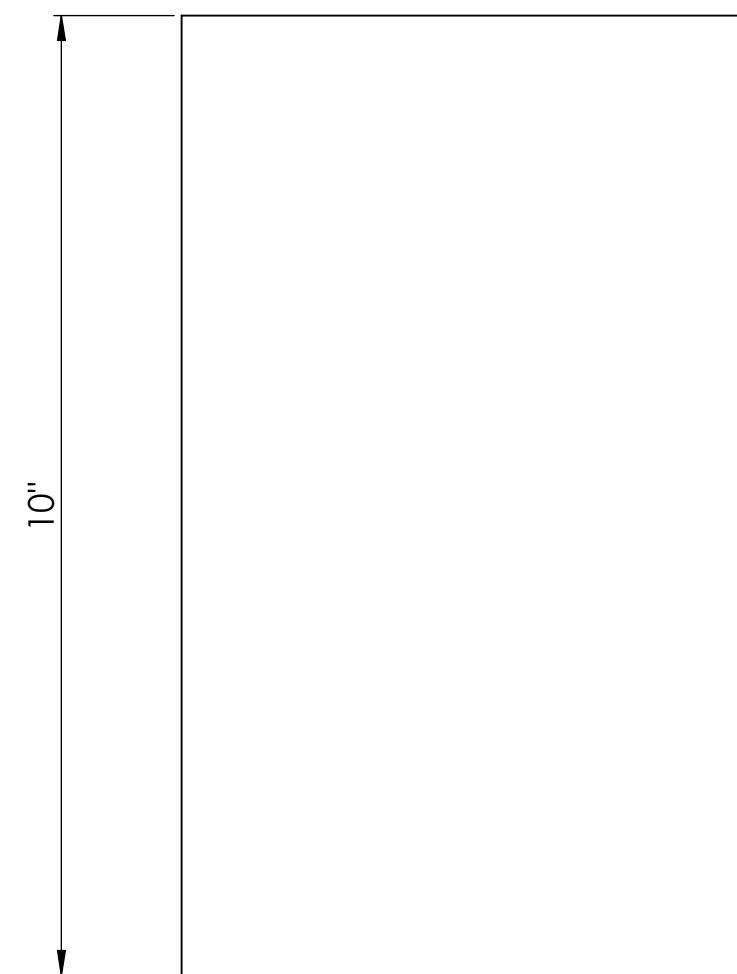
	NAME	DATE	FASTFLOOR GRAVITY TEST	
DRAWN	DL	5/23/2025	TITLE:	
CHECKED	SB		TEST SETUP	
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO LOAD TEST STEEL SPECIMENS.				
N Northeastern University	SIZE B	DWG. NO. 0-0	REV V1	
	SCALE: 1:80	WEIGHT: 600000	SHEET 1 OF 22	

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

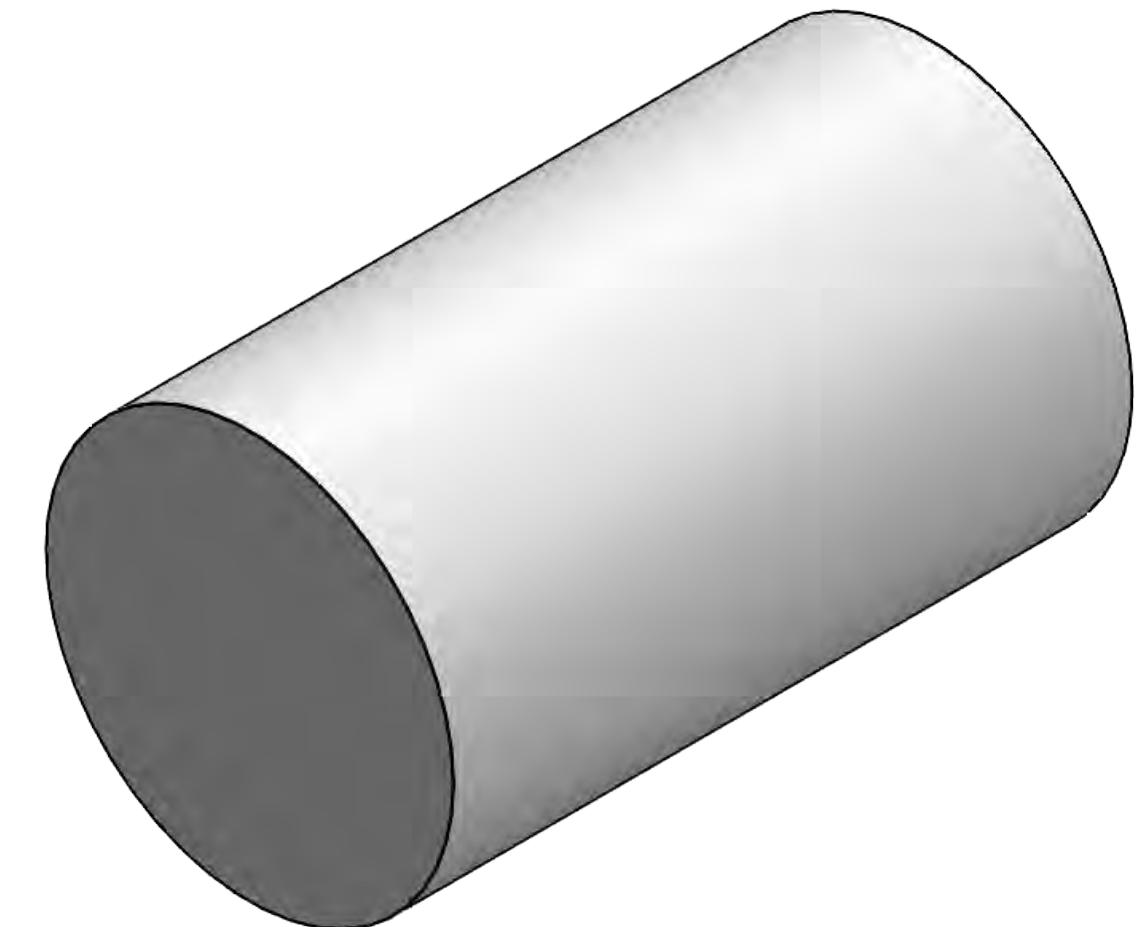
GENERAL NOTES:

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

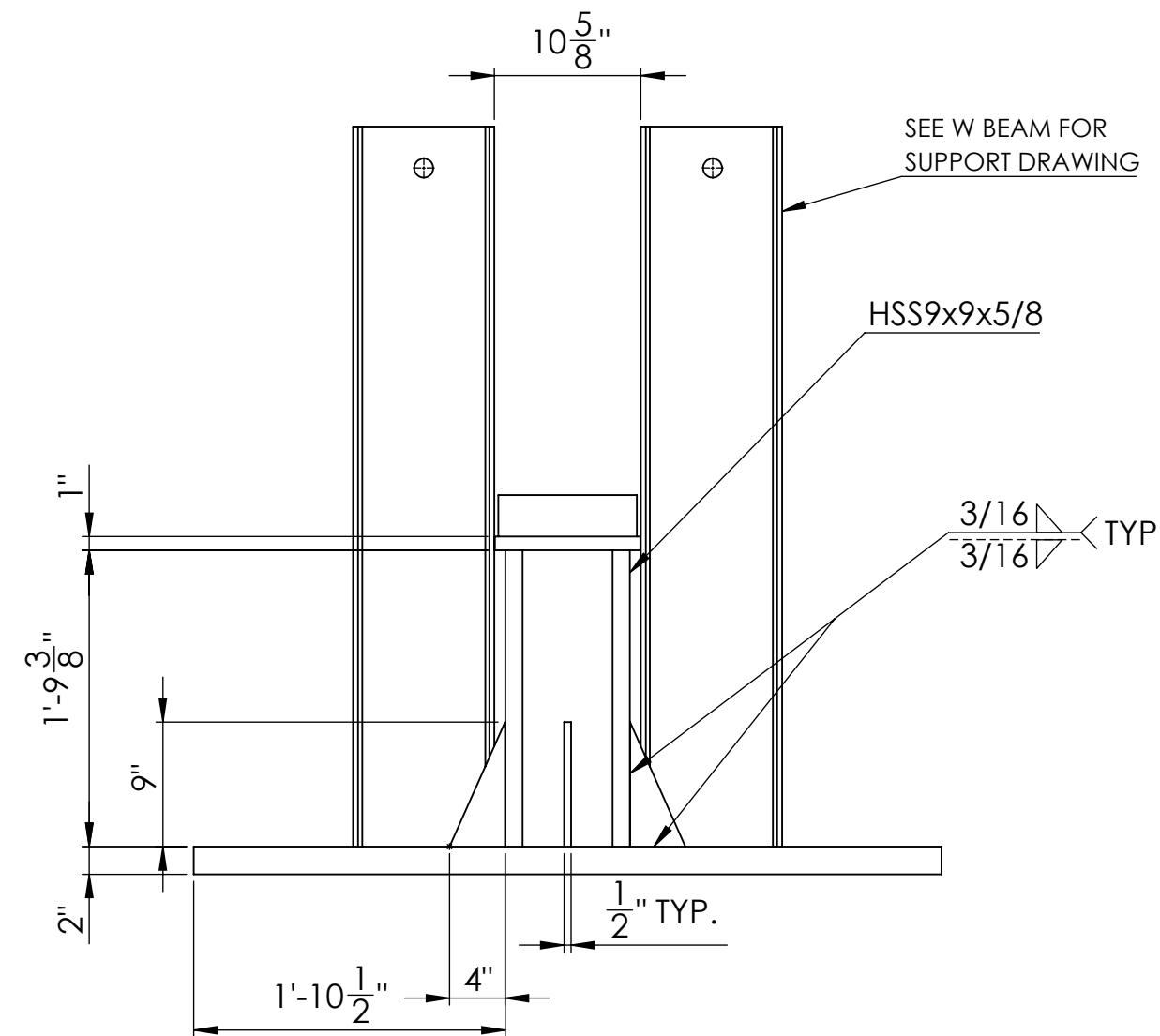
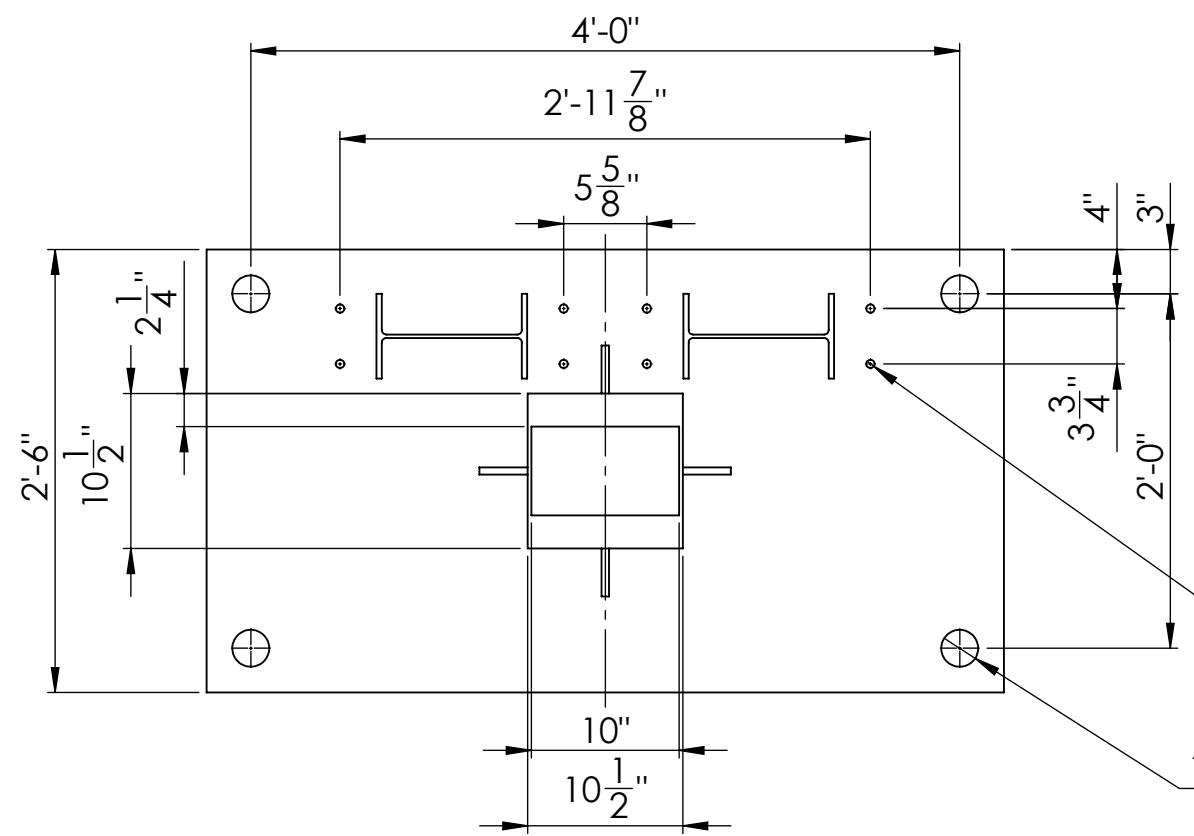
	NAME	DATE	FASTFLOOR GRAVITY TEST		
DRAWN	SB	5/16/2025			
CHECKED	JFH				
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST THE CONNECTION BETWEEN CLT AND STEEL.			TITLE: BILL OF QUANTITY		
 Northeastern University			SIZE	DWG. NO.	REV
			B	1-0	V1
			SCALE: 1:80	WEIGHT: 603740.3	SHEET 2 OF 22



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



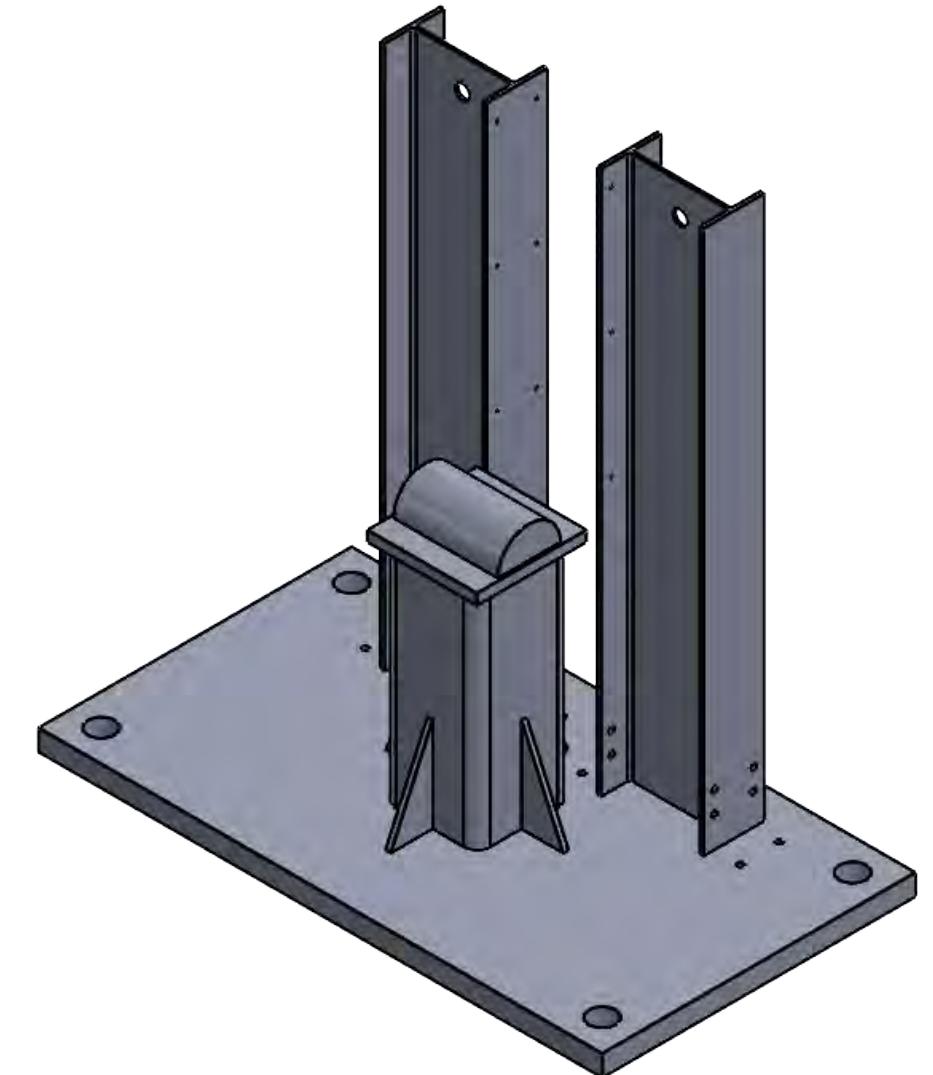
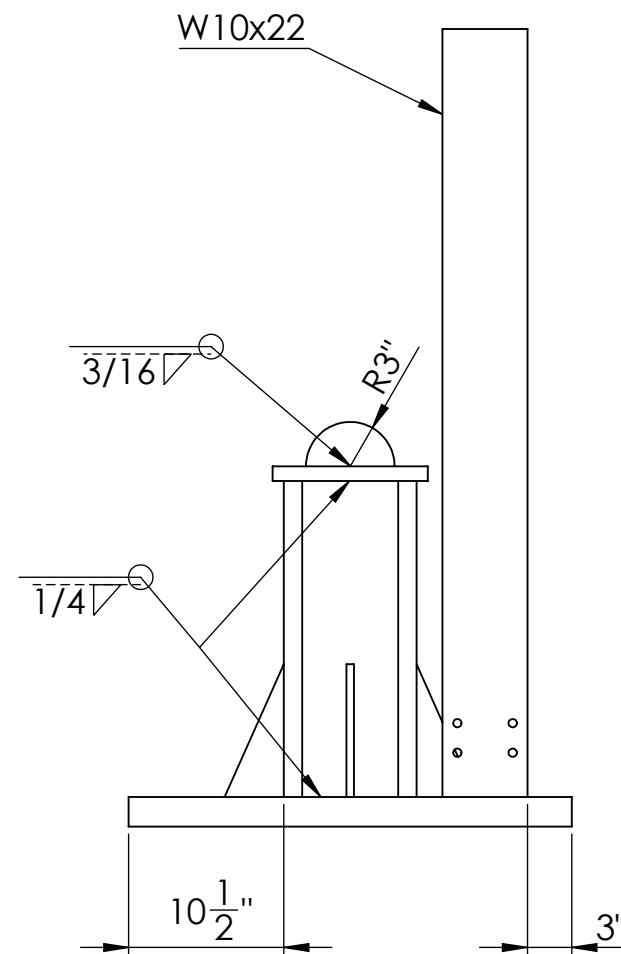
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.	NAME	DATE	FASTFLOOR TEST SETUP		
	DRAWN	DL	6/25/2025		
	CHECKED	BS	TITLE:		
			ROLLER		
	SIZE	DWG. NO.			
	B	2-0		REV	V1
	SCALE: 1:2	WEIGHT: 80	SHEET 1 OF 18		



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

8x Ø $\frac{5}{8}$ " THRU ALL
3/4-10 UNC THRU ALL

4x Ø $2\frac{1}{2}$ " THRU

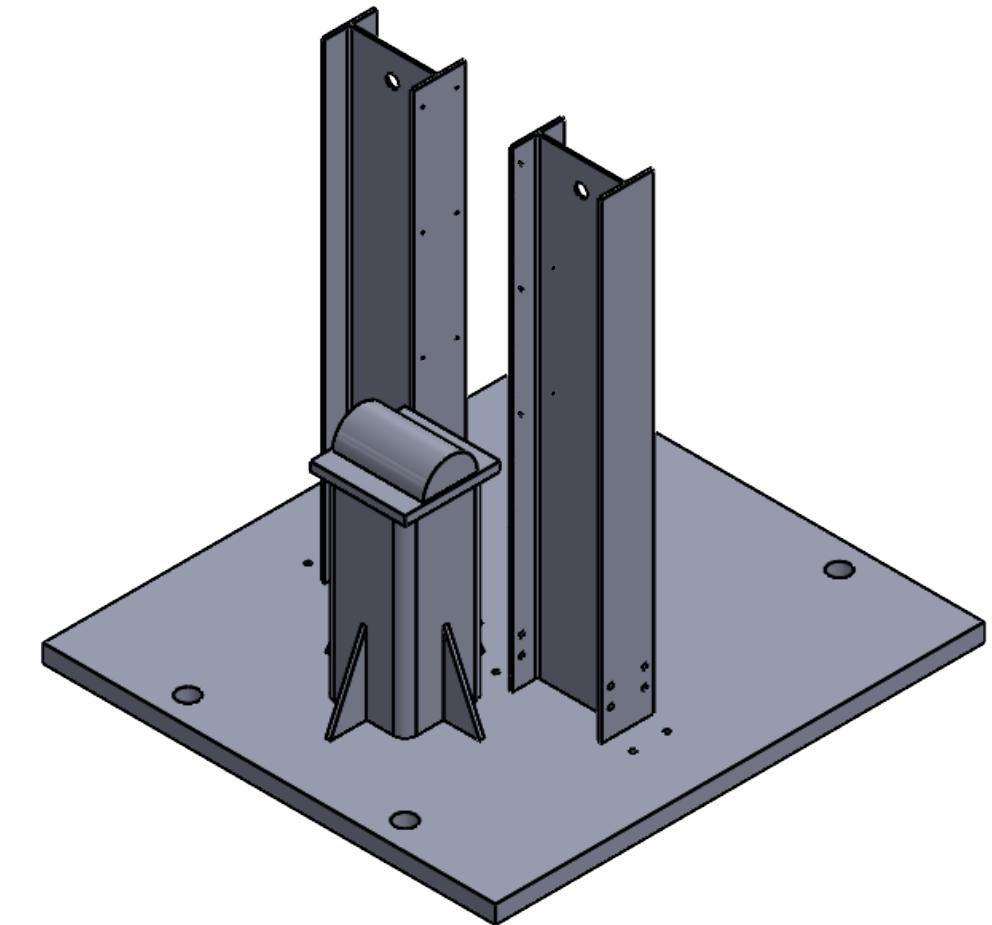
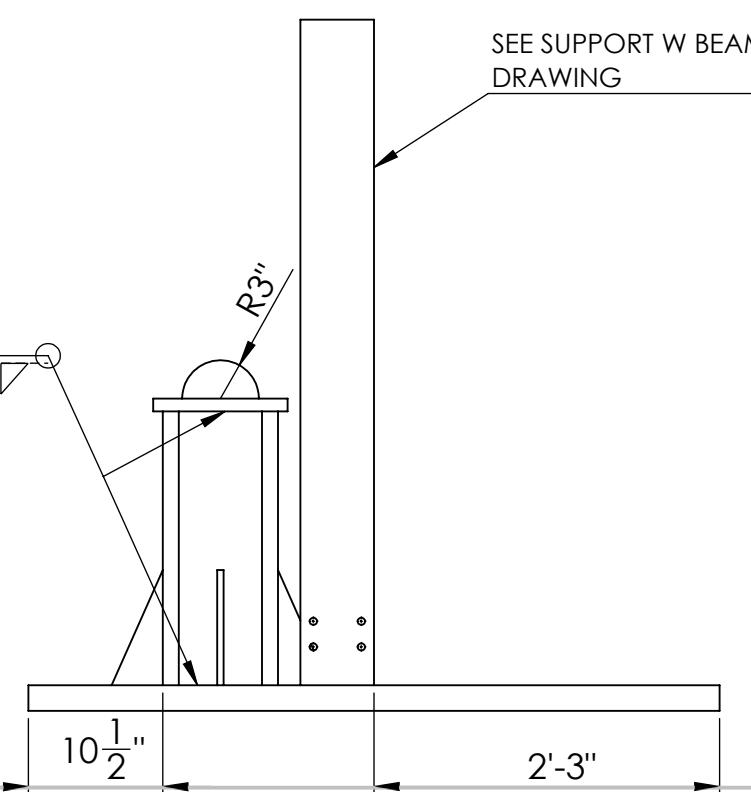
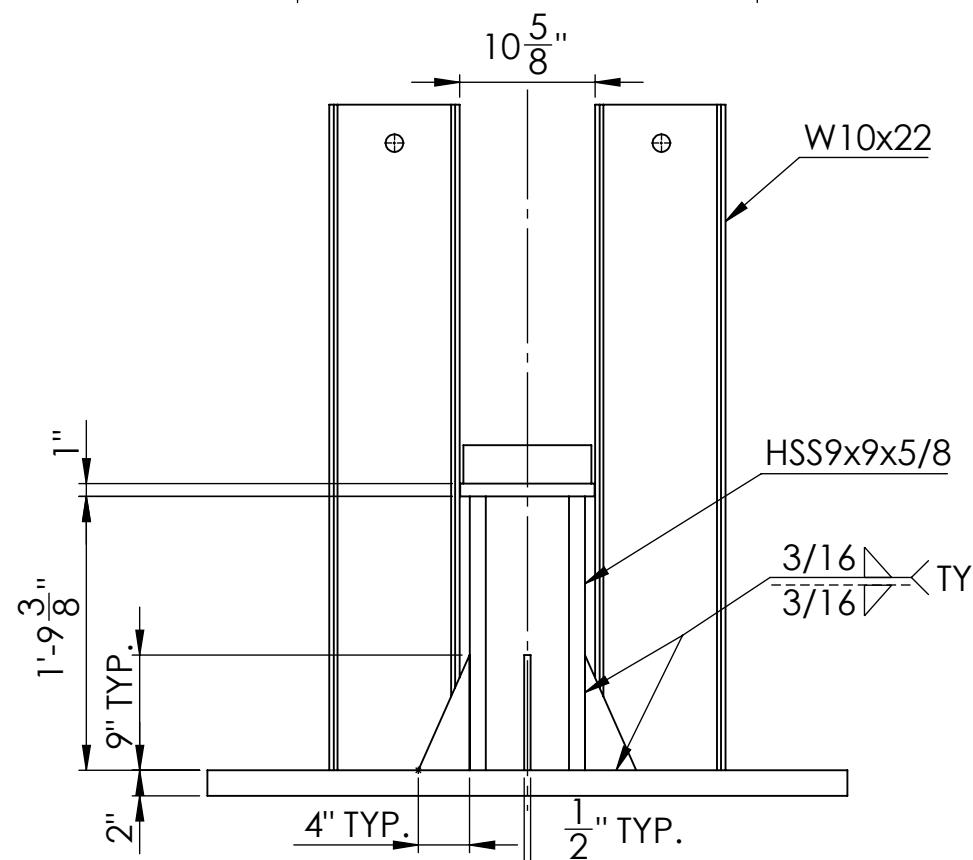
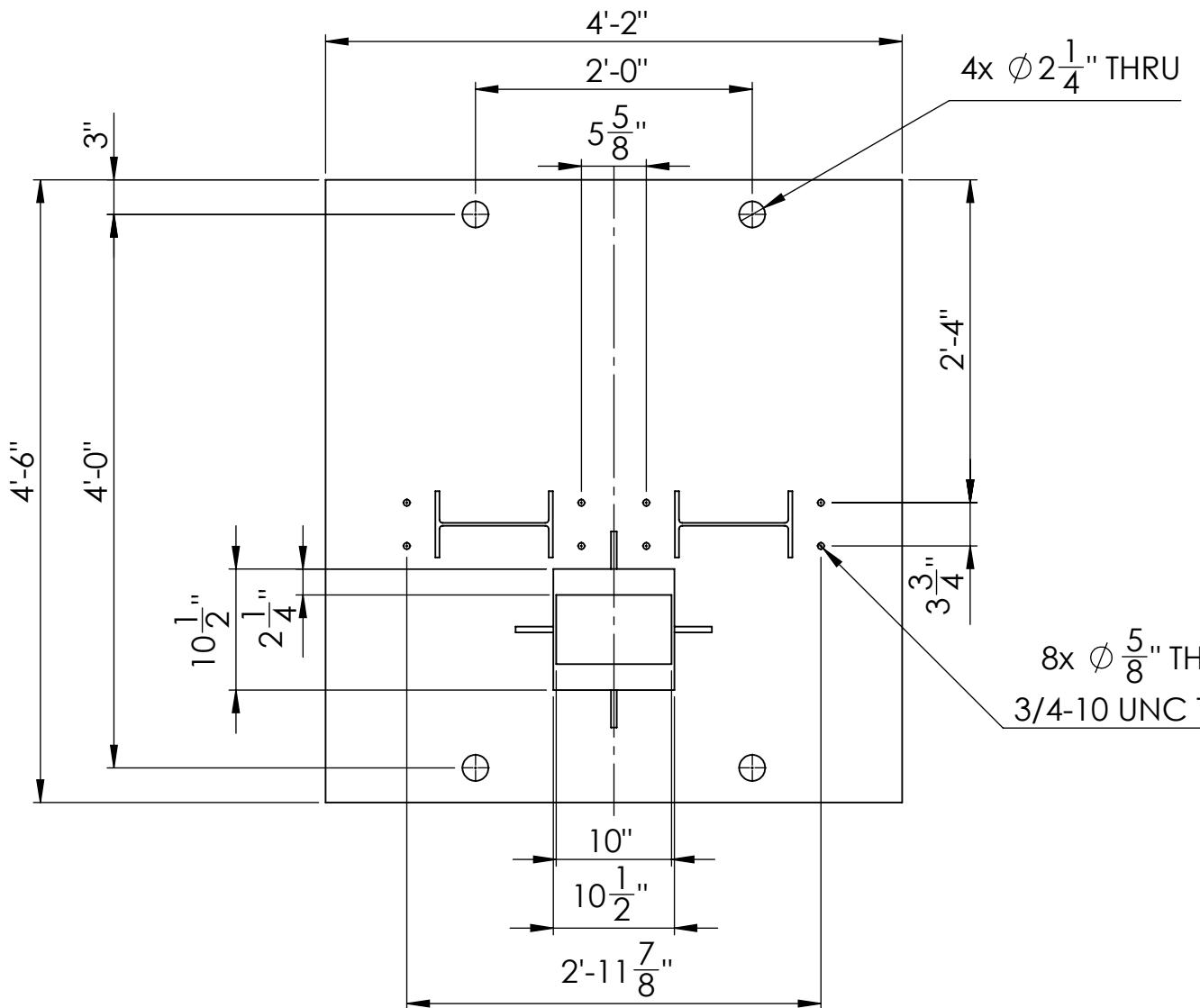


QUANTITY: 2

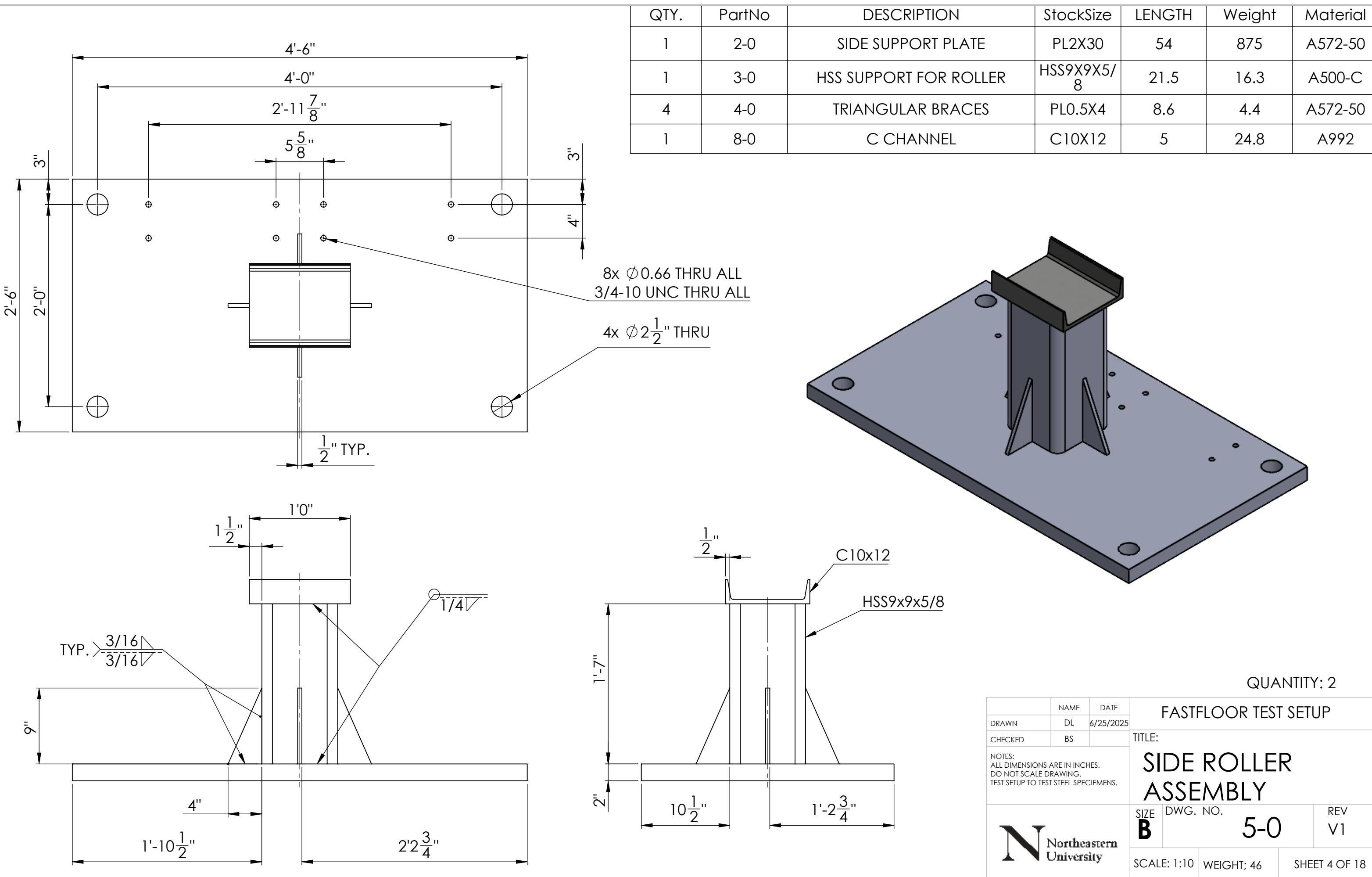
FASTFLOOR TEST SETUP

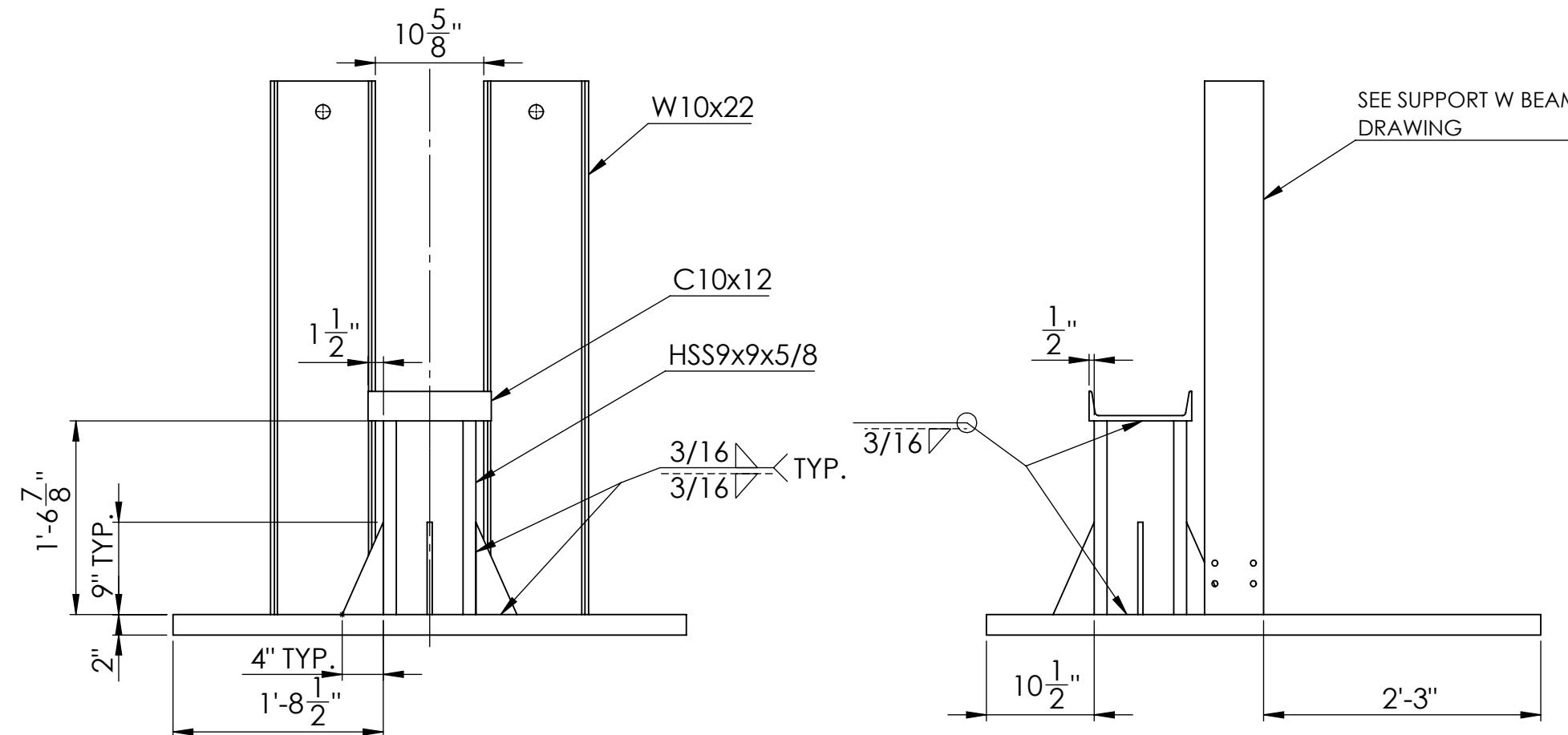
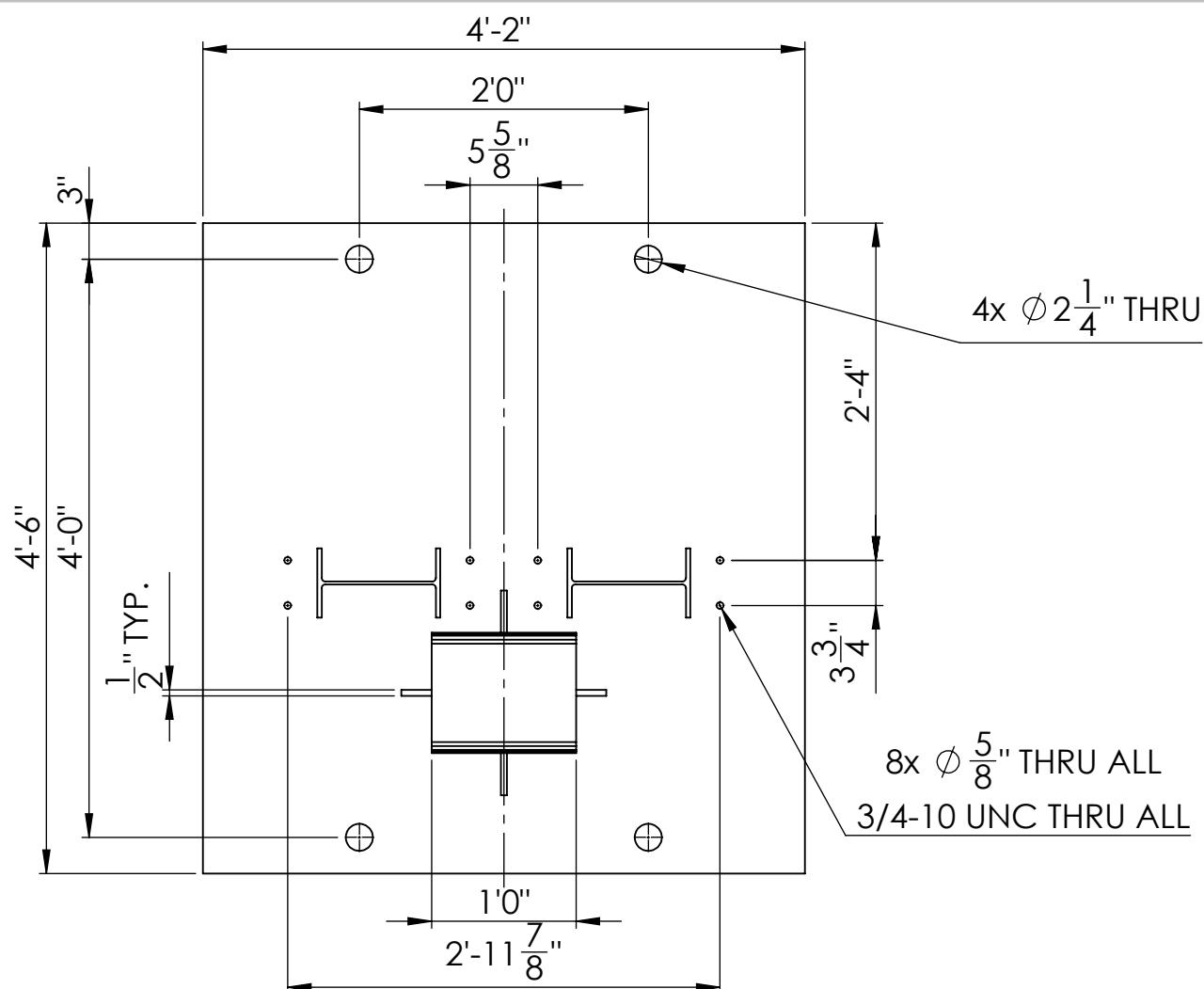
NAME	DATE	TITLE:	
DRAWN	DL	6/25/2025	
CHECKED	BS		
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.			
SIZE	DWG. NO.	REV	
B	3-0	V1	
SCALE: 1:13	WEIGHT: 1036	SHEET 2 OF 18	

QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	2-0	MIDDLE SUPPORT PLATE	PL2x54	54	1500	A572-50
1	3-0	HSS SUPPORT FOR PIN	HSS9x9x5/8	21.4	16.3	A500-C
4	4-0	TRIANGULAR BRACES	PL0.5X4	9	5.04	A572-50
6	5-0	SQUARE PLATE	PL1x10.5	10.5	12.5	A572-50
1	6-0	HALF CYLINDER	Solid Round 6"	10	39.6	A36
2	7-0	W BEAM FOR SUPPORT	W10x22	52	95	A36

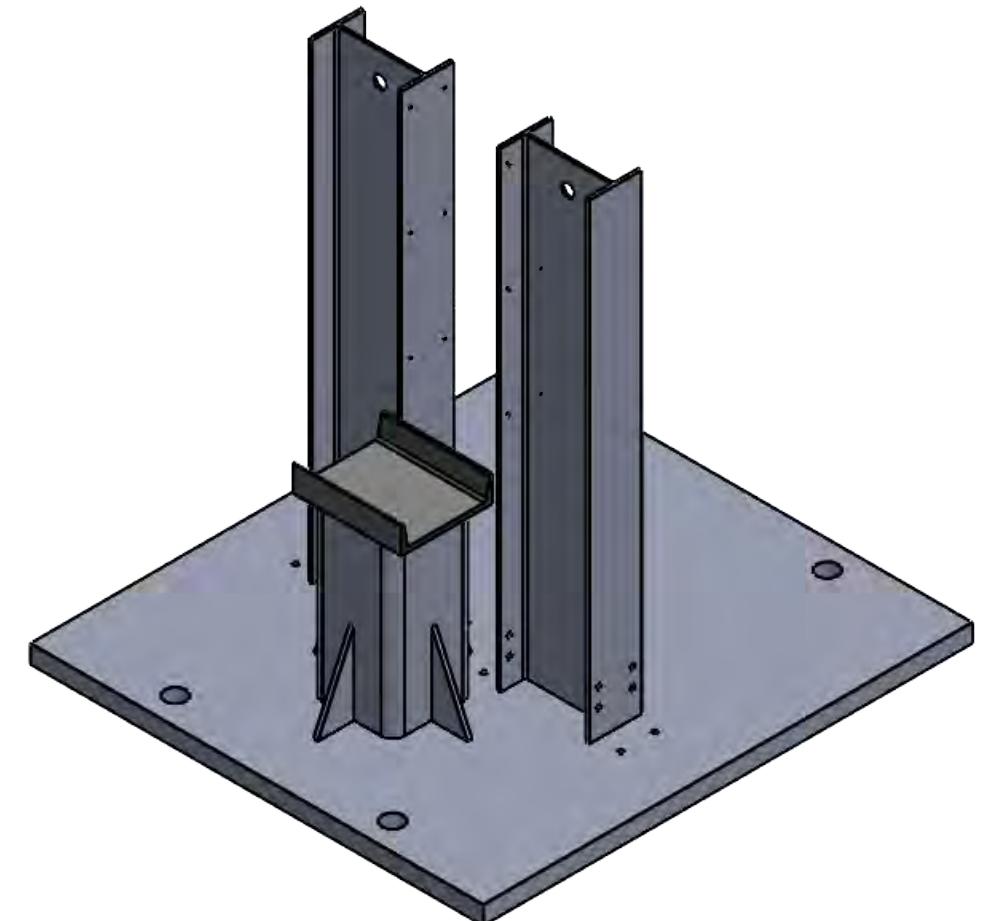


	NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025			
CHECKED	BS				
<p>NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.</p>			TITLE: MID PIN SUPPORT		
 Northeastern University			SIZE B	DWG. NO. 4-0	REV V3
			SCALE: 1:15	WEIGHT: 1800	SHEET 3 OF 5



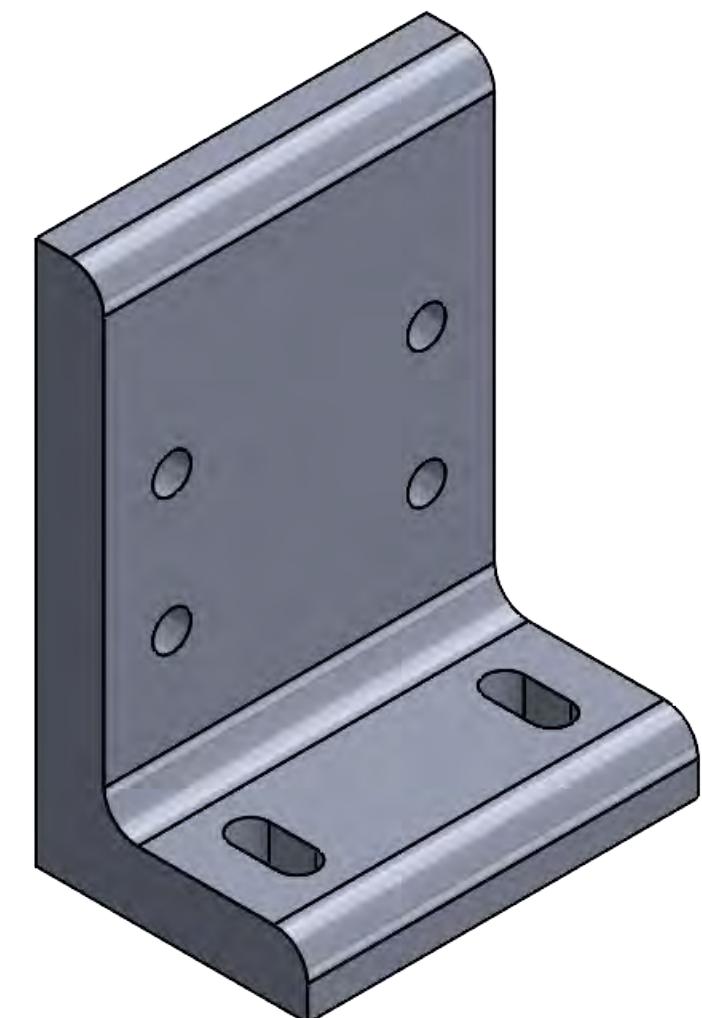
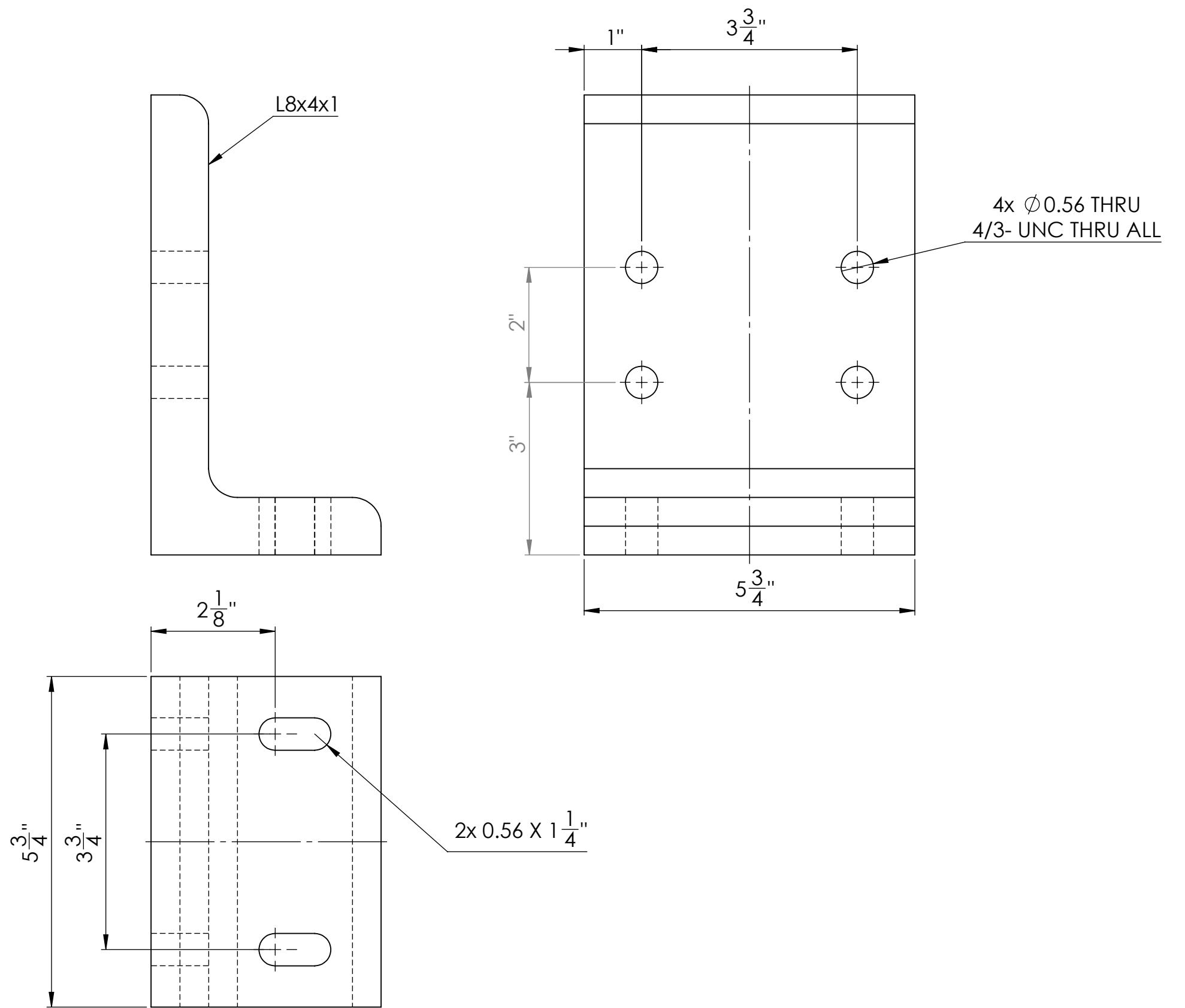


QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	9-0	MIDDLE SUPPORT PLATE	PL2x54	54	1500	A572-50
1	3-0	SUPPORT HSS FOR ROLLER	HSS9x9x5/8	18.9	16.3	A500-C
4	4-0	TRIANGULAR BRACES	PL0.5x4	9	5.04	A572-50
6	8-0	C CHANNEL	C10x12	12.0	24.8	A992
2	7-0	W BEAM FOR SUPPORT	W10x22	52	95	A36



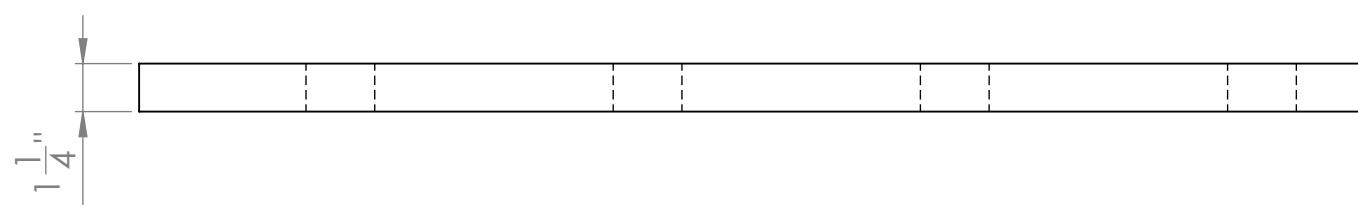
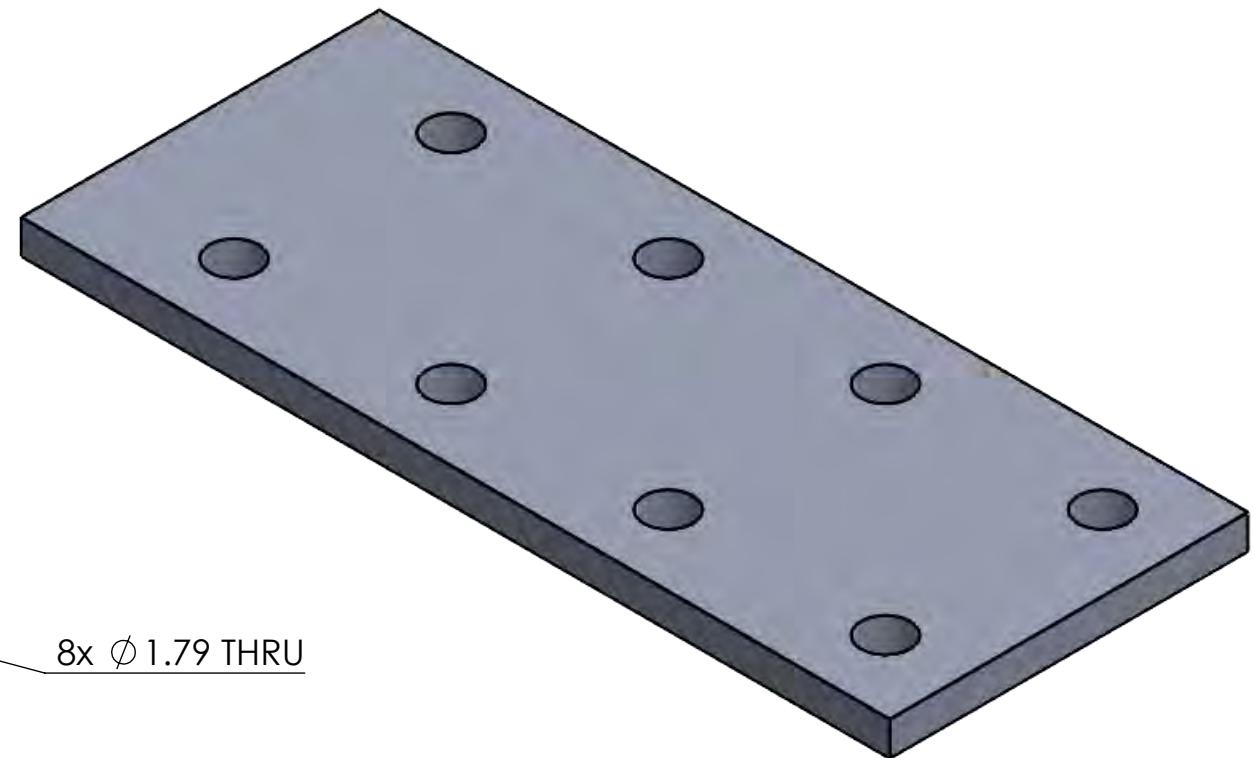
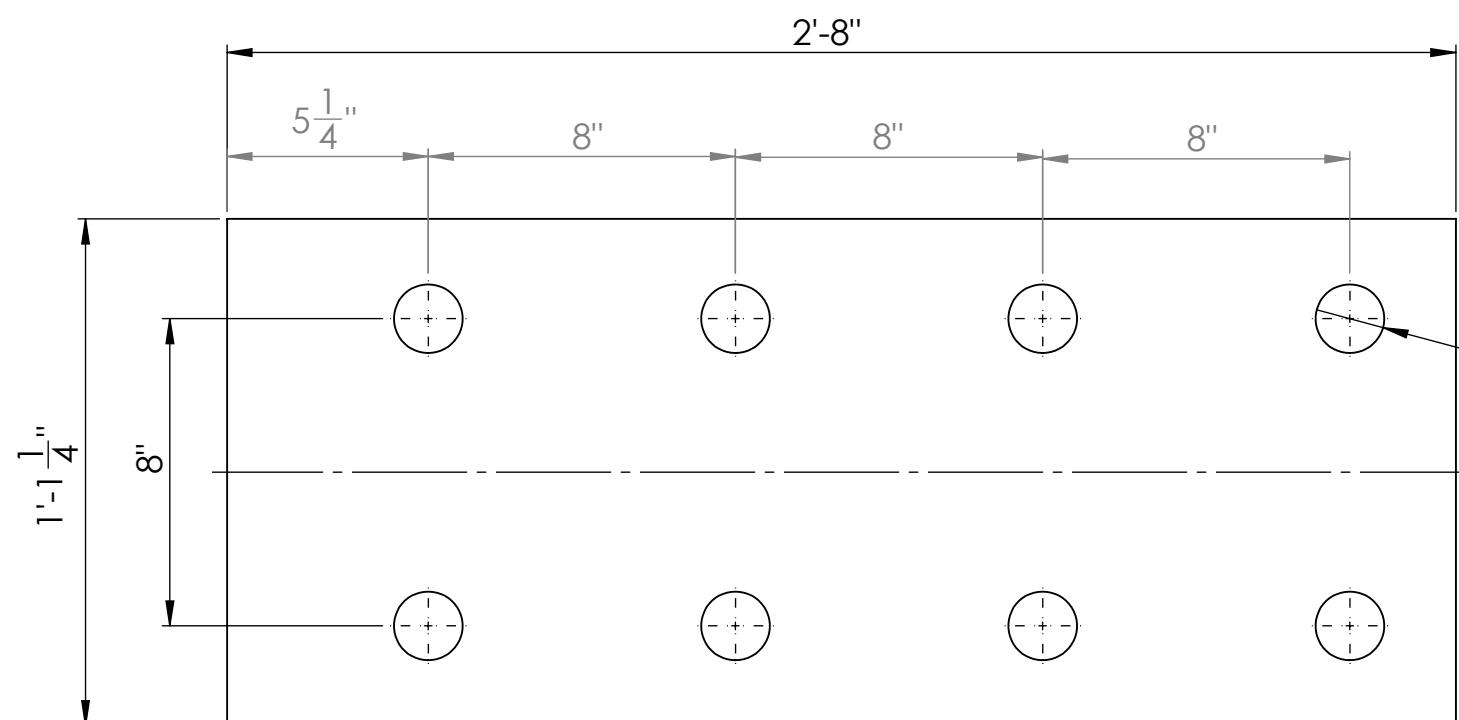
NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025		
CHECKED	BS			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.				
N Northeastern University	SIZE B	DWG. NO. 6-0	REV V3	SHEET 4 OF 5
SCALE: 1:15	WEIGHT: 1800			

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



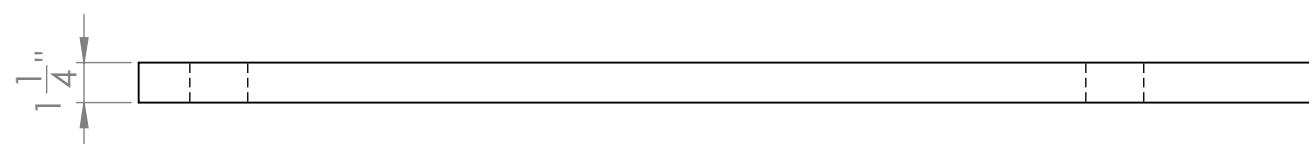
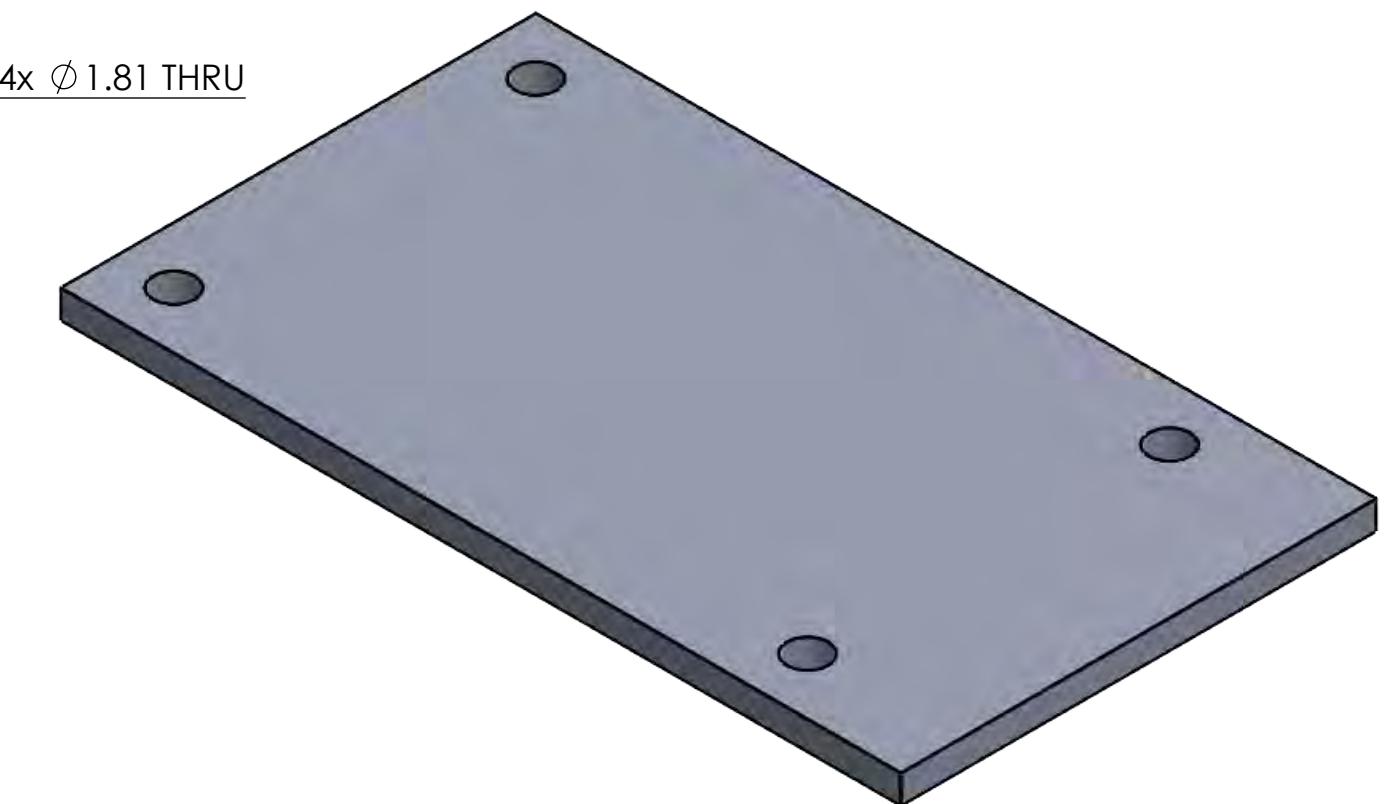
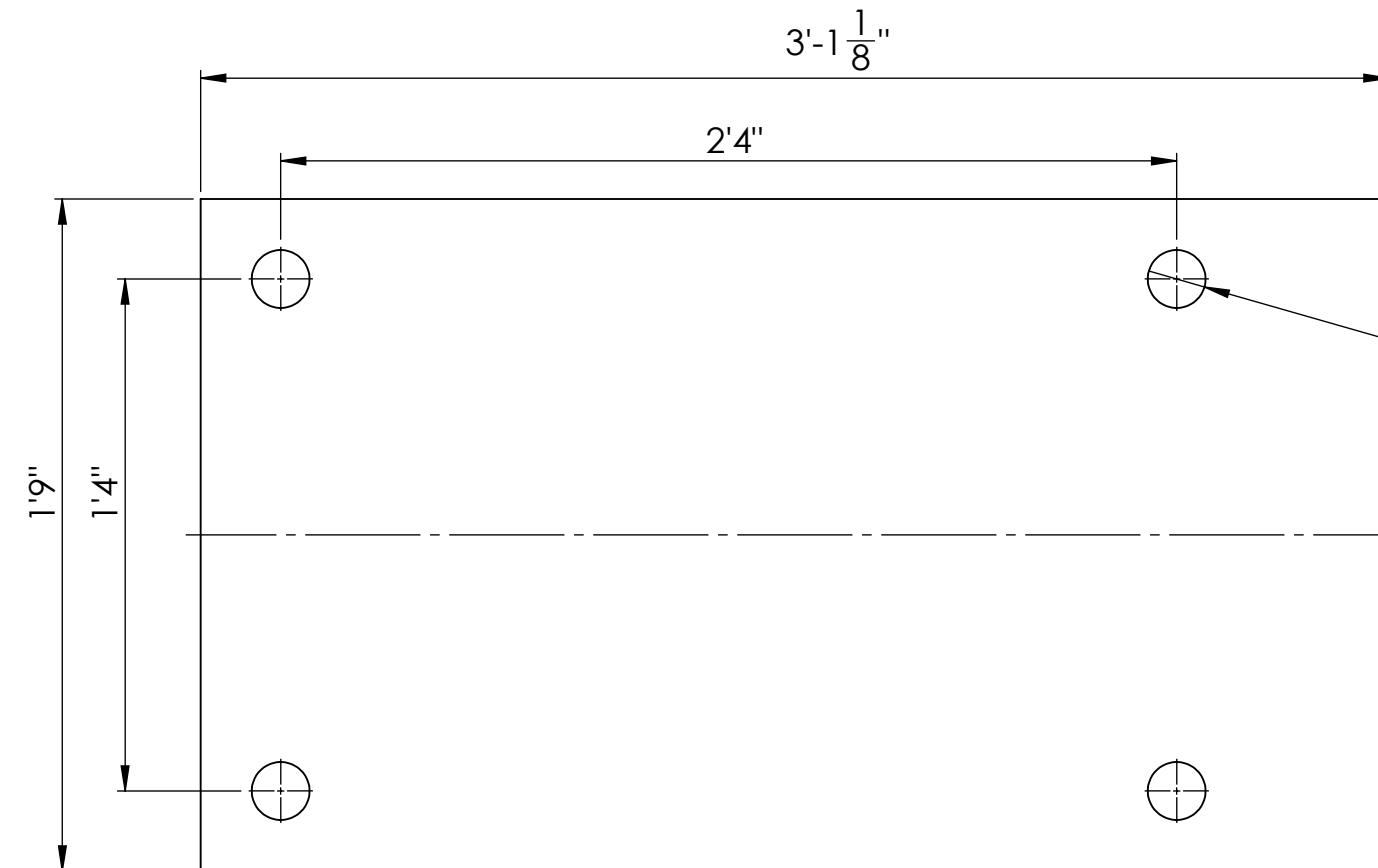
DRAWN	NAME	DATE	FASTFLOOR TEST SETUP				
			CHECKED	BS	TITLE:		
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.			CONNECTION ANGLE				
N Northeastern University							
SIZE	DWG. NO.	REV					
B	7-0	V1					
SCALE: 1:2	WEIGHT: 18	SHEET 6 OF 18					

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



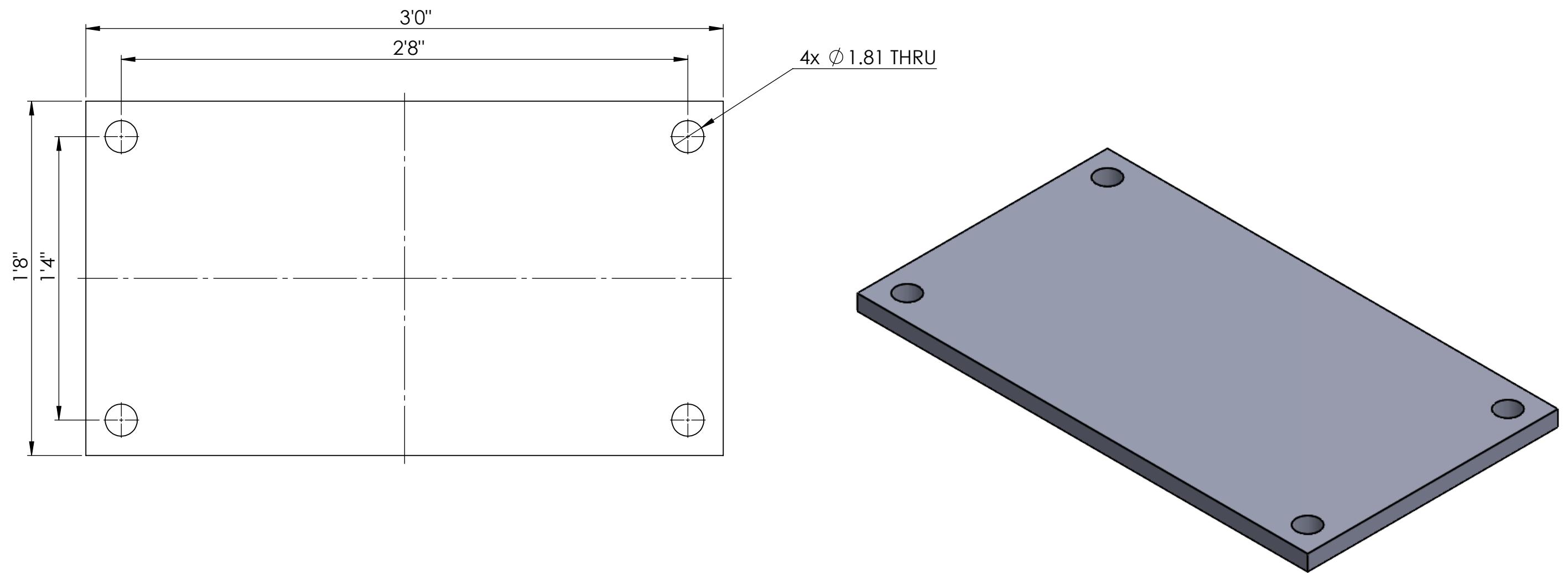
	NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025			
CHECKED	BS		TITLE:		
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.					
	SIZE	DWG. NO.			
	B	8-0			REV V1
	SCALE: 1:5	WEIGHT: 140	SHEET 7 OF 18		

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



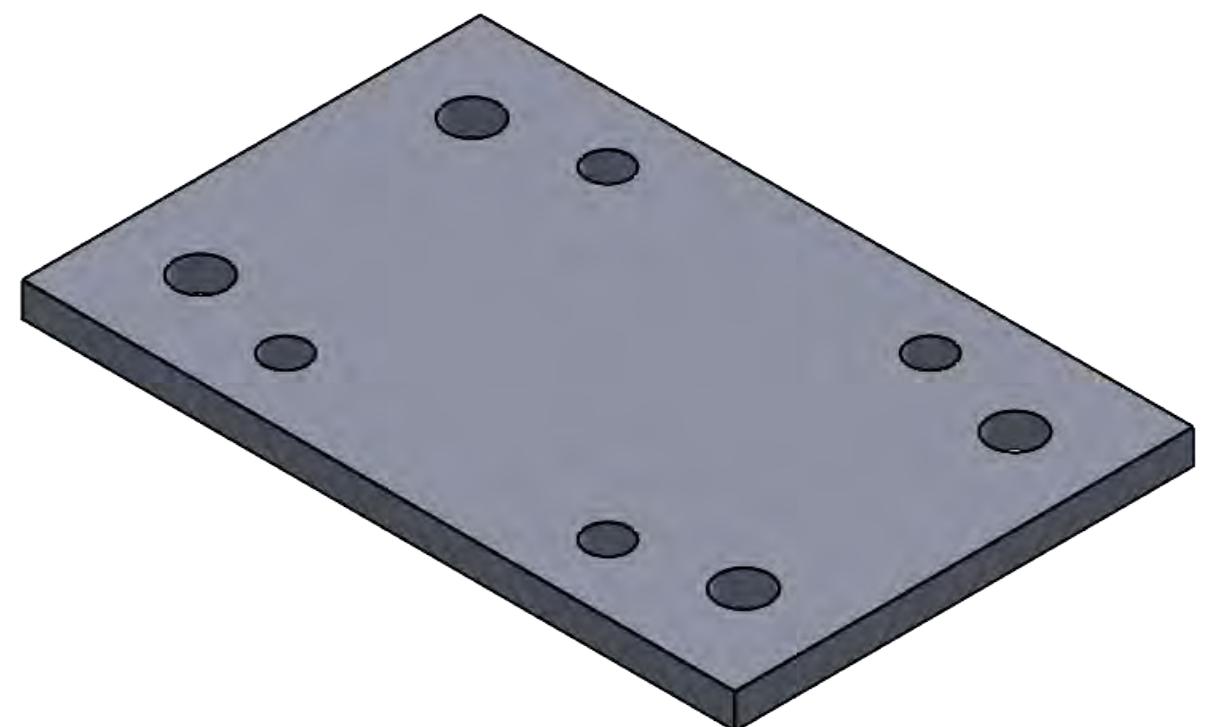
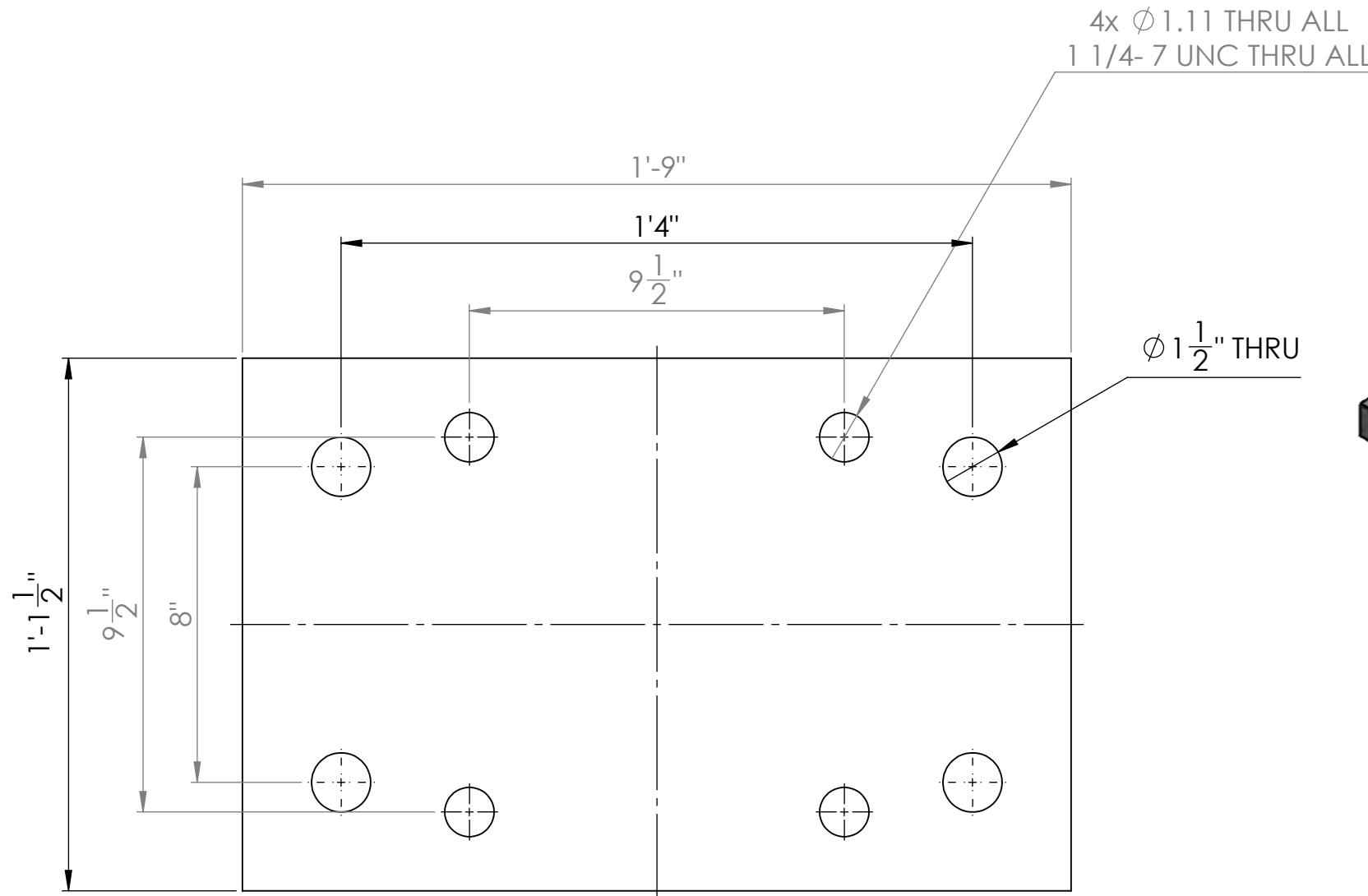
	NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025			
CHECKED	BS		TITLE:		
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST SPECIMENS.			BRACE FOR FILLER PLATE		
 Northeastern University			SIZE	DWG. NO.	REV
			B	9-0	V1
			SCALE: 1:6	WEIGHT: 35	SHEET 8 OF 18

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

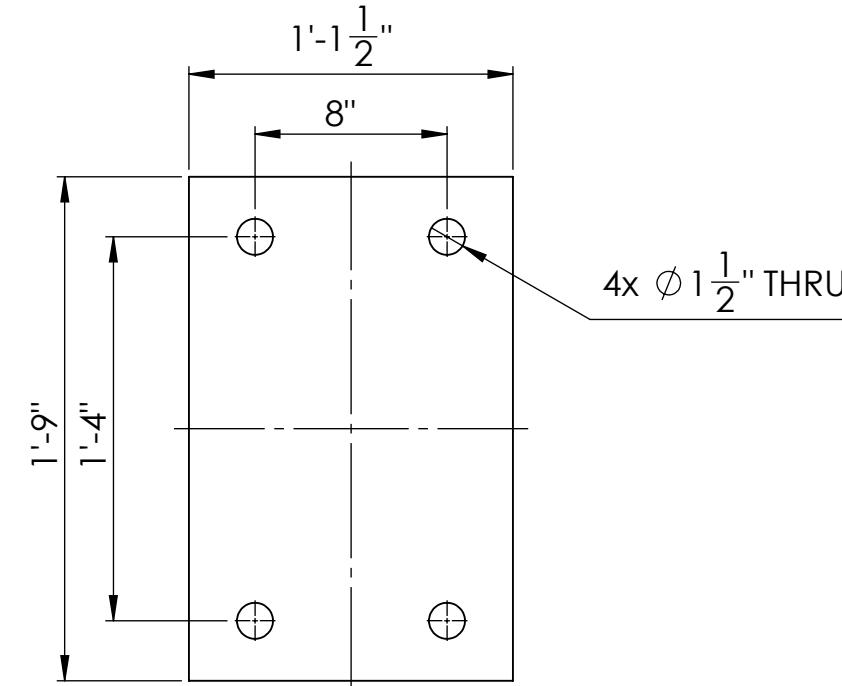


NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025		
CHECKED	BS			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO LOAD TEST STEEL SPECIMENS.				
N Northeastern University				
SIZE	DWG. NO.			
B	10-0			REV V1
SCALE: 1:6	WEIGHT: 32	SHEET 9 OF 18		

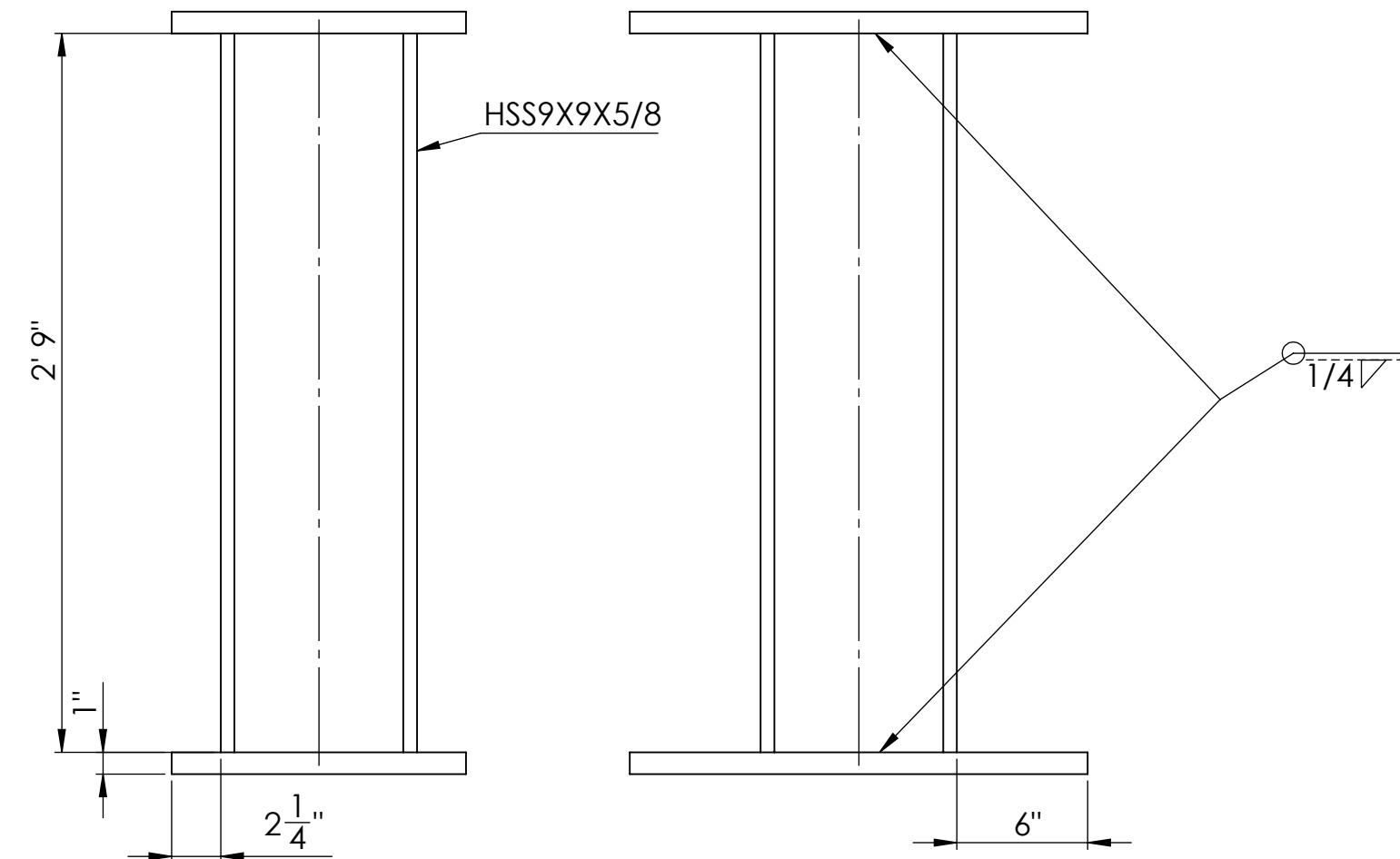
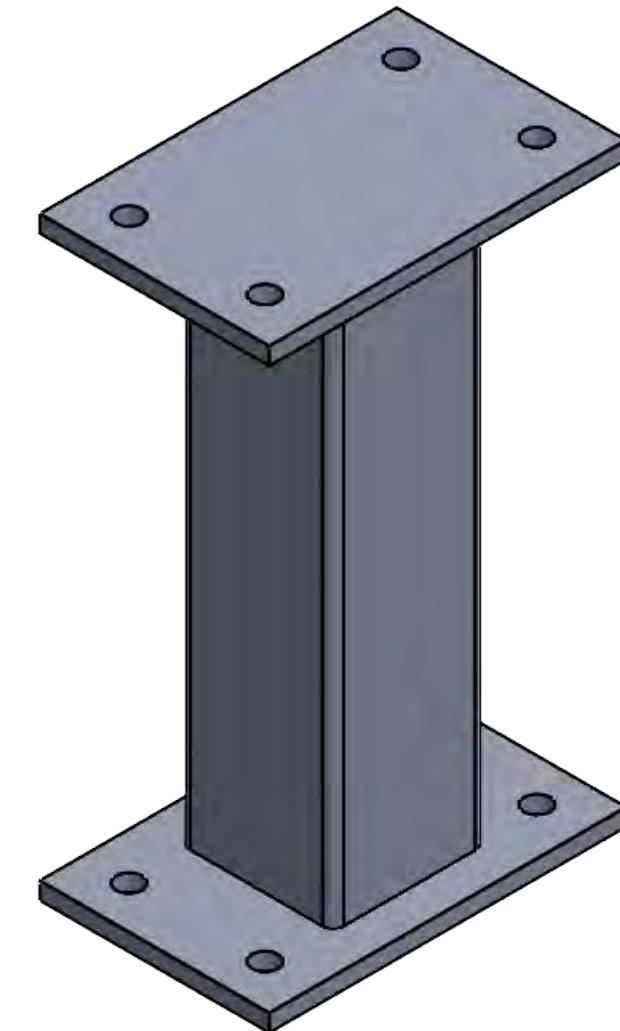
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	15-0	MEDIUM ACTUATOR PLATE	PL1x21	21	9.8	A572-50



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

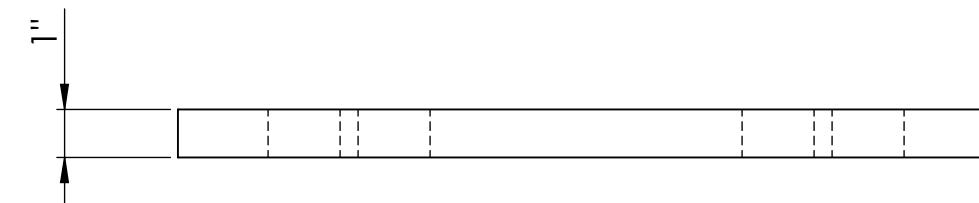
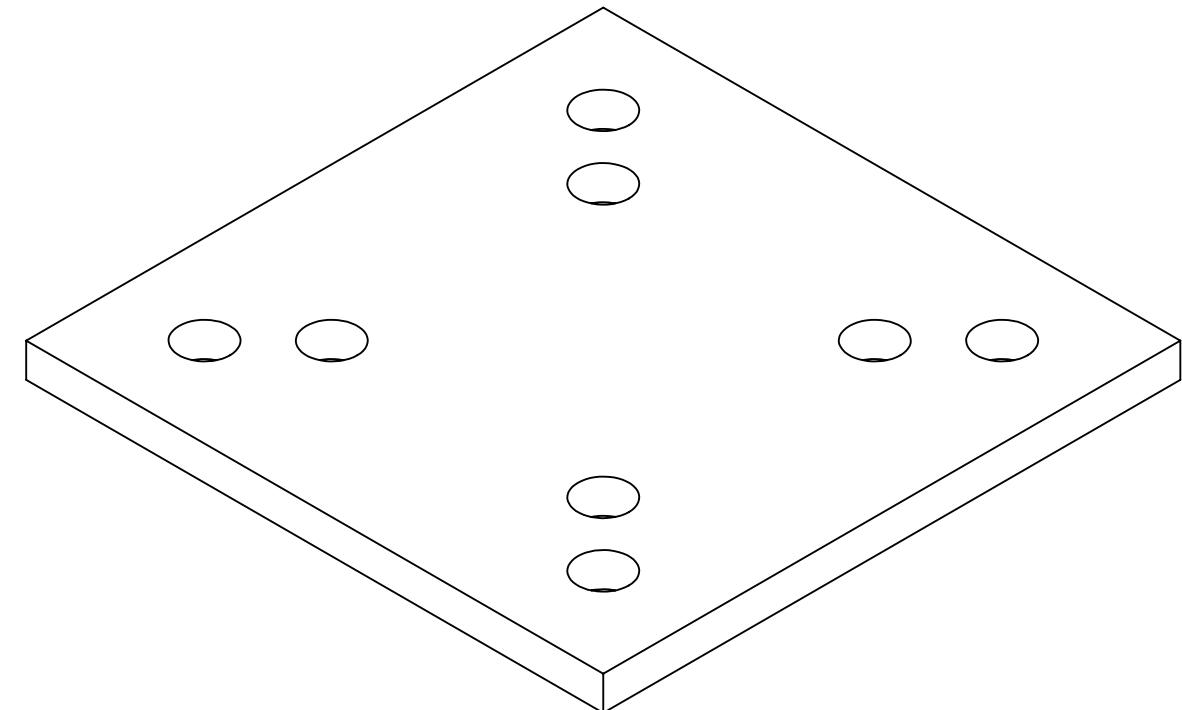
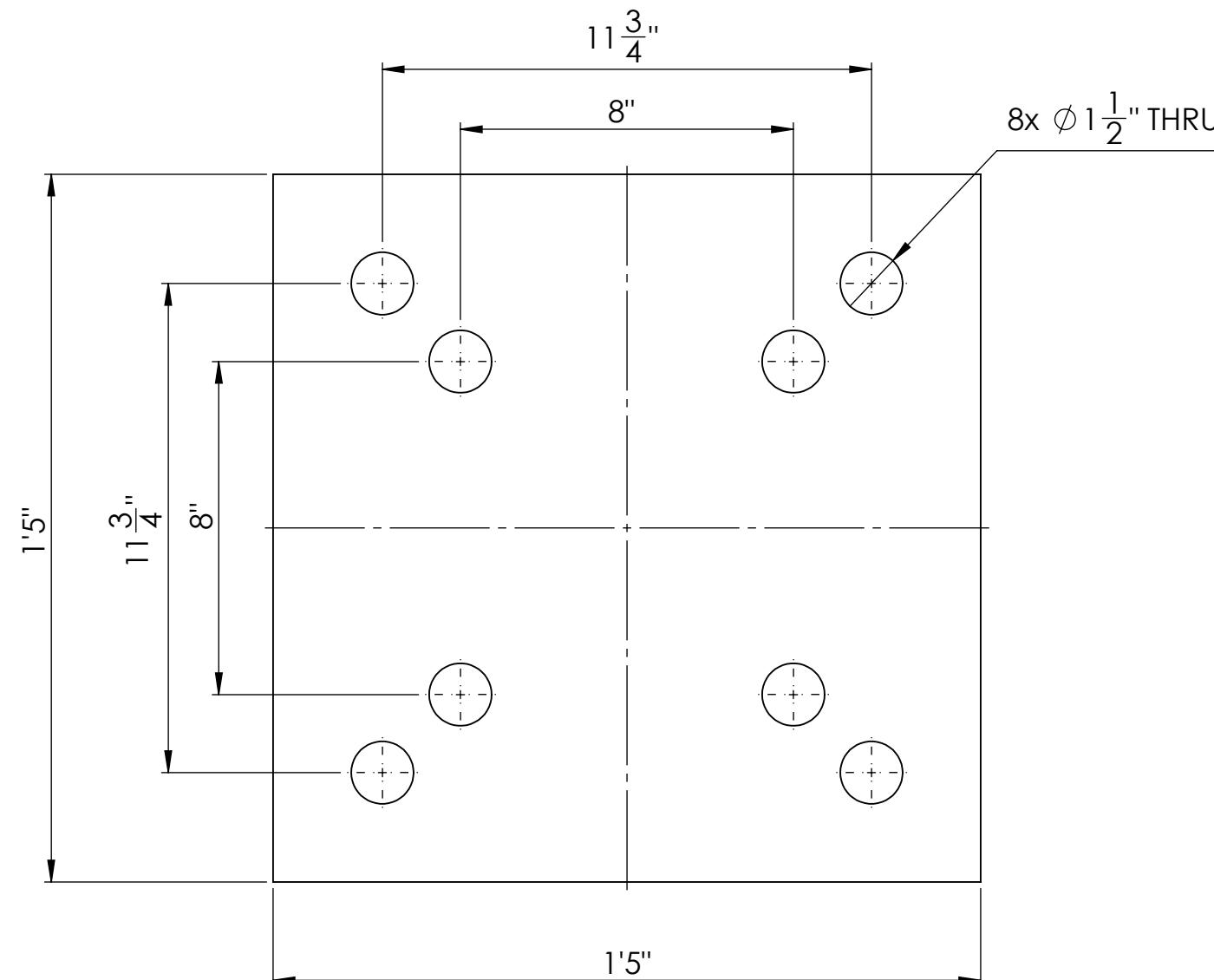


QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	18-0	HSS EXTENDER	HSS9x9x5/8	1	92.6	A500-C
2	15-0	MEDIUM ACTUATOR PLATE	PL1x21	2	10.0	A572-50



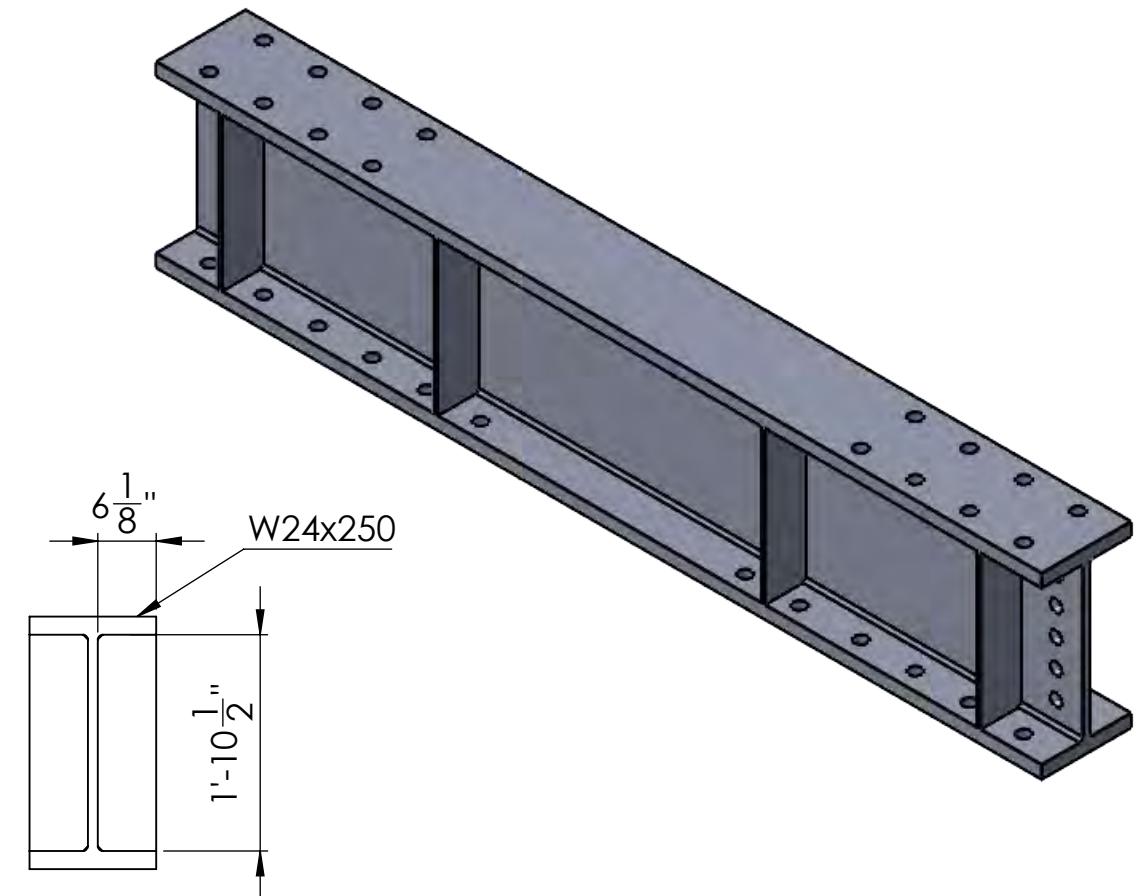
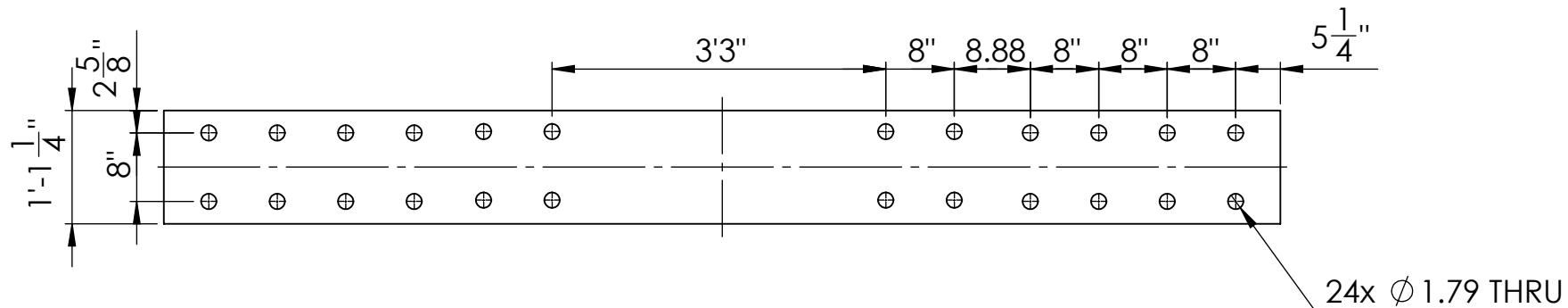
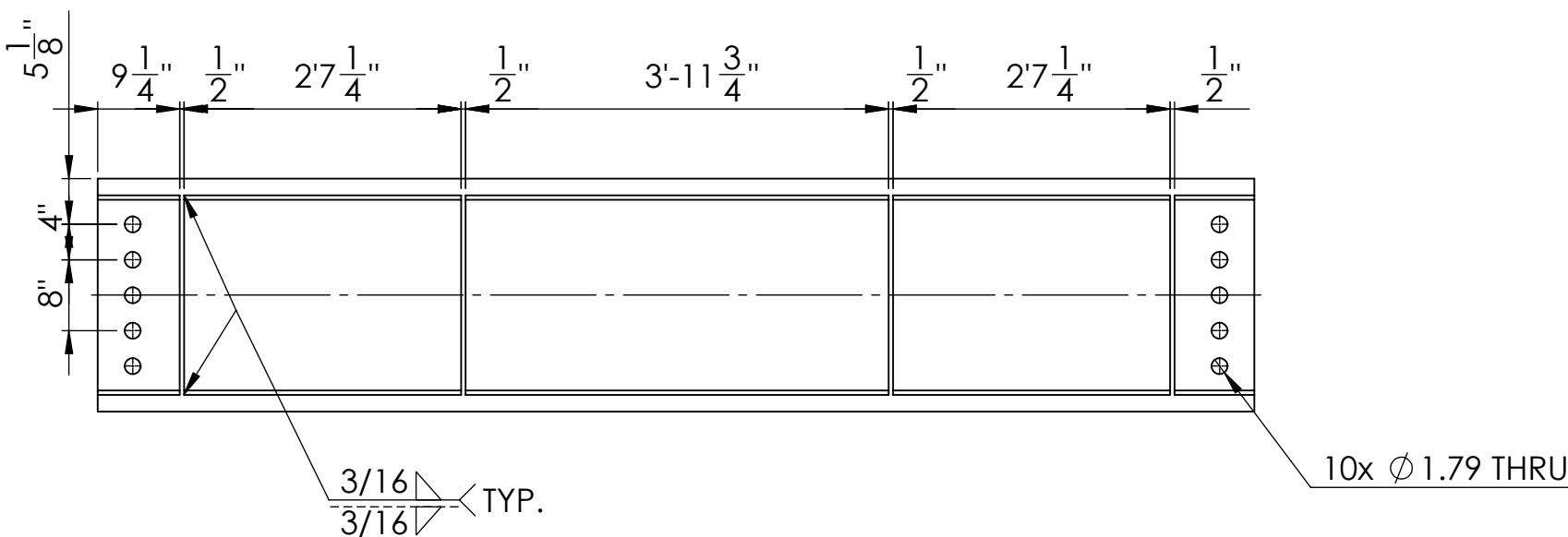
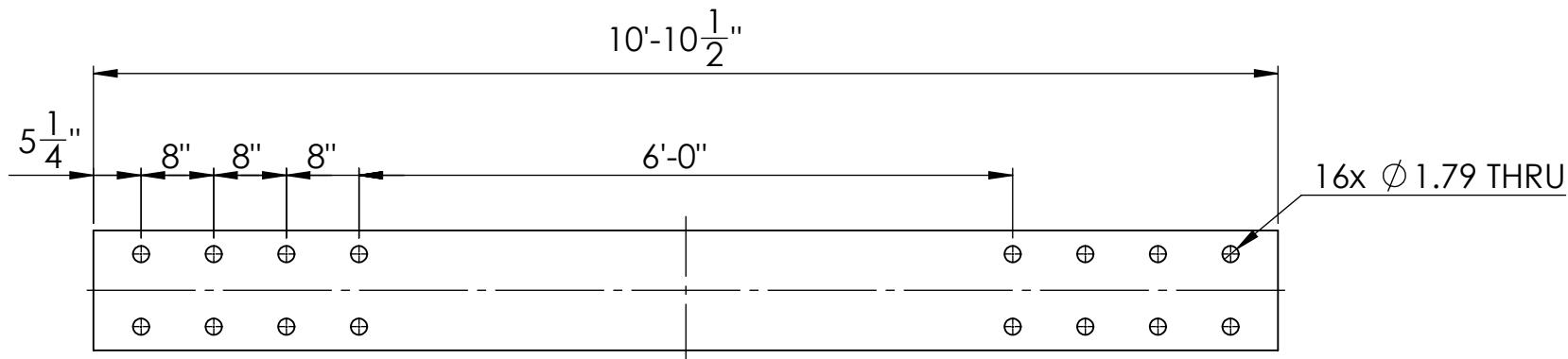
NAME	DATE	FASTFLOOR GRAVITY TEST		
DRAWN	DL	6/25/2025		
CHECKED	SB			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS UNDER LOAD.				
N Northeastern University		SIZE B	DWG. NO. 12-0	REV V1
SCALE: 1:8		WEIGHT: 100	SHEET 13 OF 22	

QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
2	17-0	LARGE ACTUATOR PLATE	PL1x17	17.0	9.9	A572-50



DRAWN	NAME	DATE	FASTFLOOR TEST SETUP				
			CHECKED	BS			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.			TITLE: LARGE ACTUATOR PLATE				
N Northeastern University							
SIZE	DWG. NO.	REV	B	13-0	V1		
SCALE: 1:4	WEIGHT: 10	SHEET 11 OF 18					

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

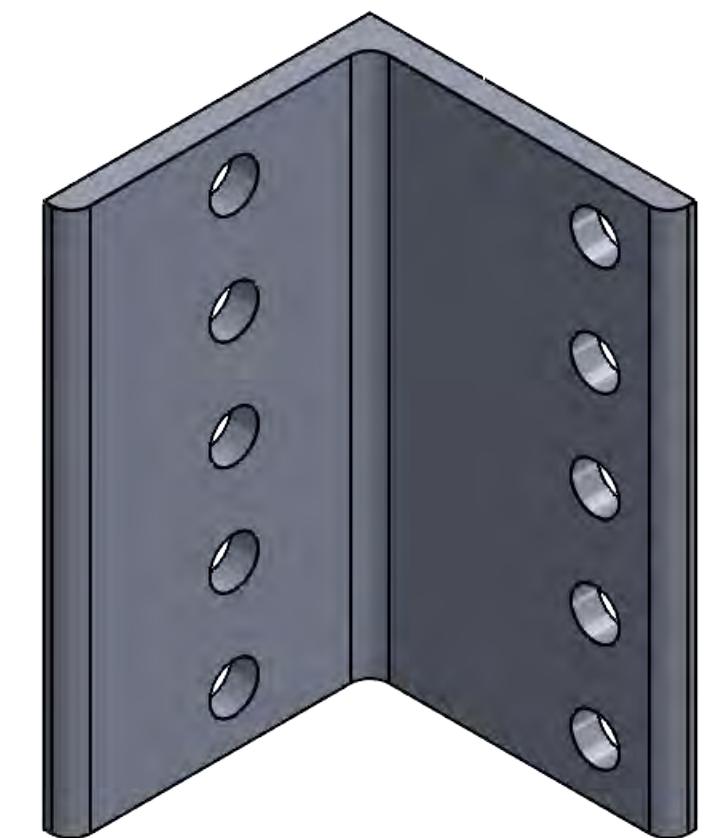
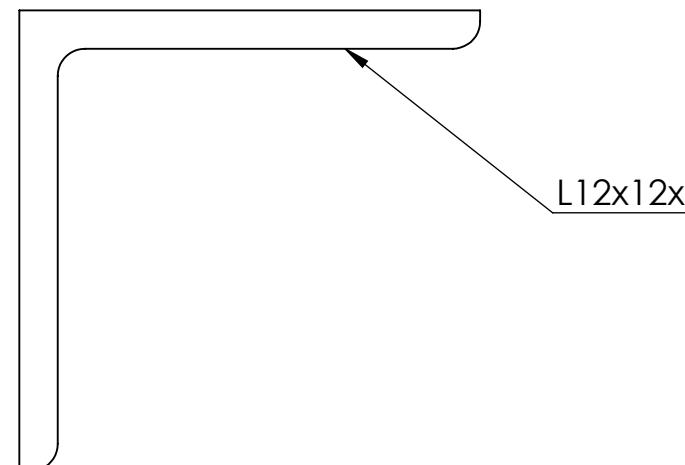
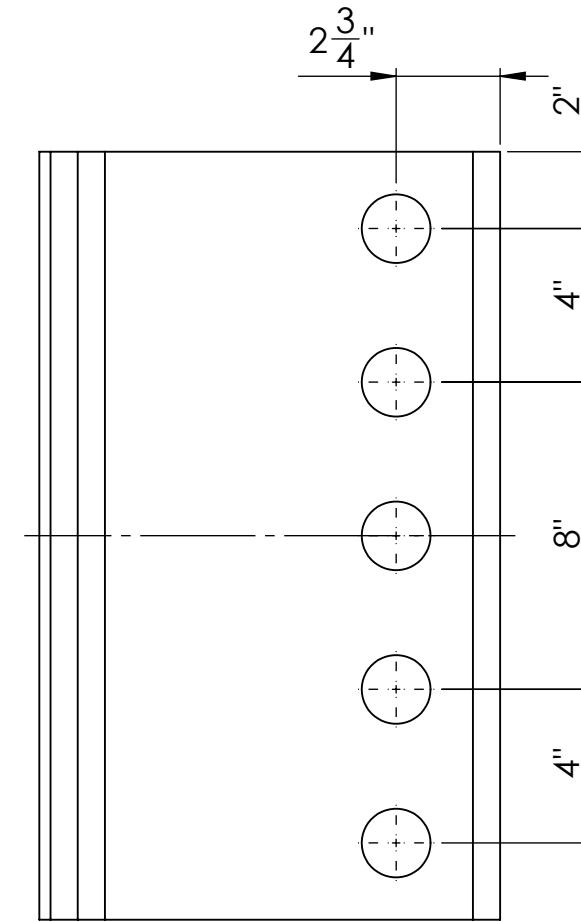
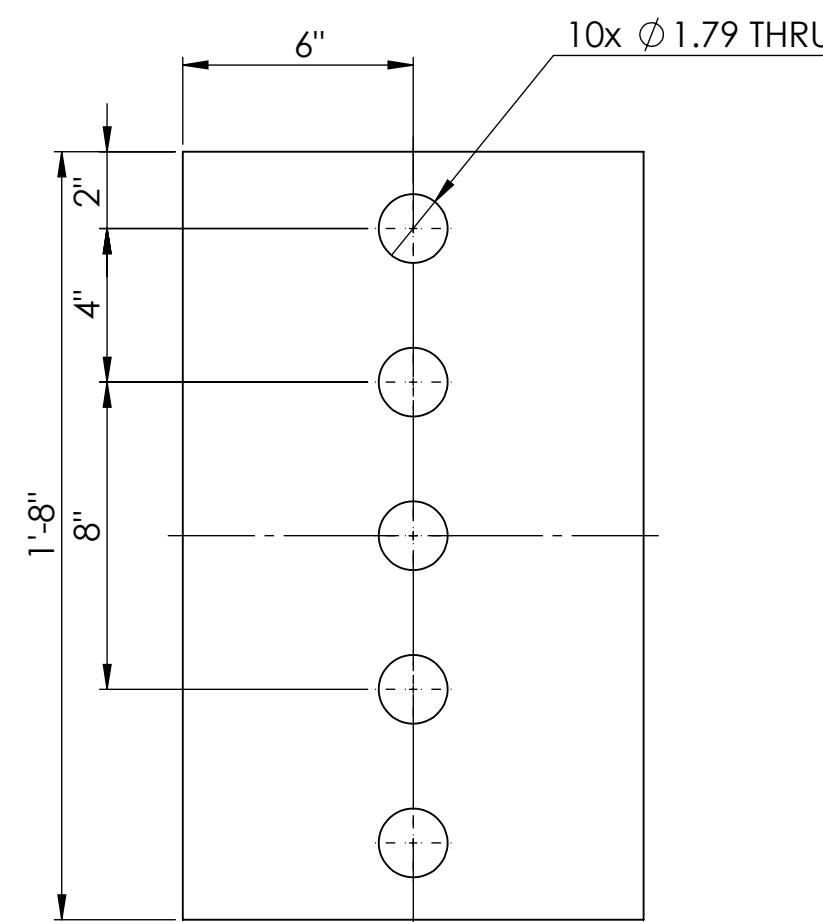


	NAME	DATE
DRAWN	DL	6/25/2025
CHECKED	BS	
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.		
SIZE DWG. NO.		REV
B		14-0
SCALE: 1:20		WEIGHT: 80
SHEET 12 OF 18		

FASTFLOOR TEST SETUP
TITLE:
CROSS BEAM

N Northeastern University

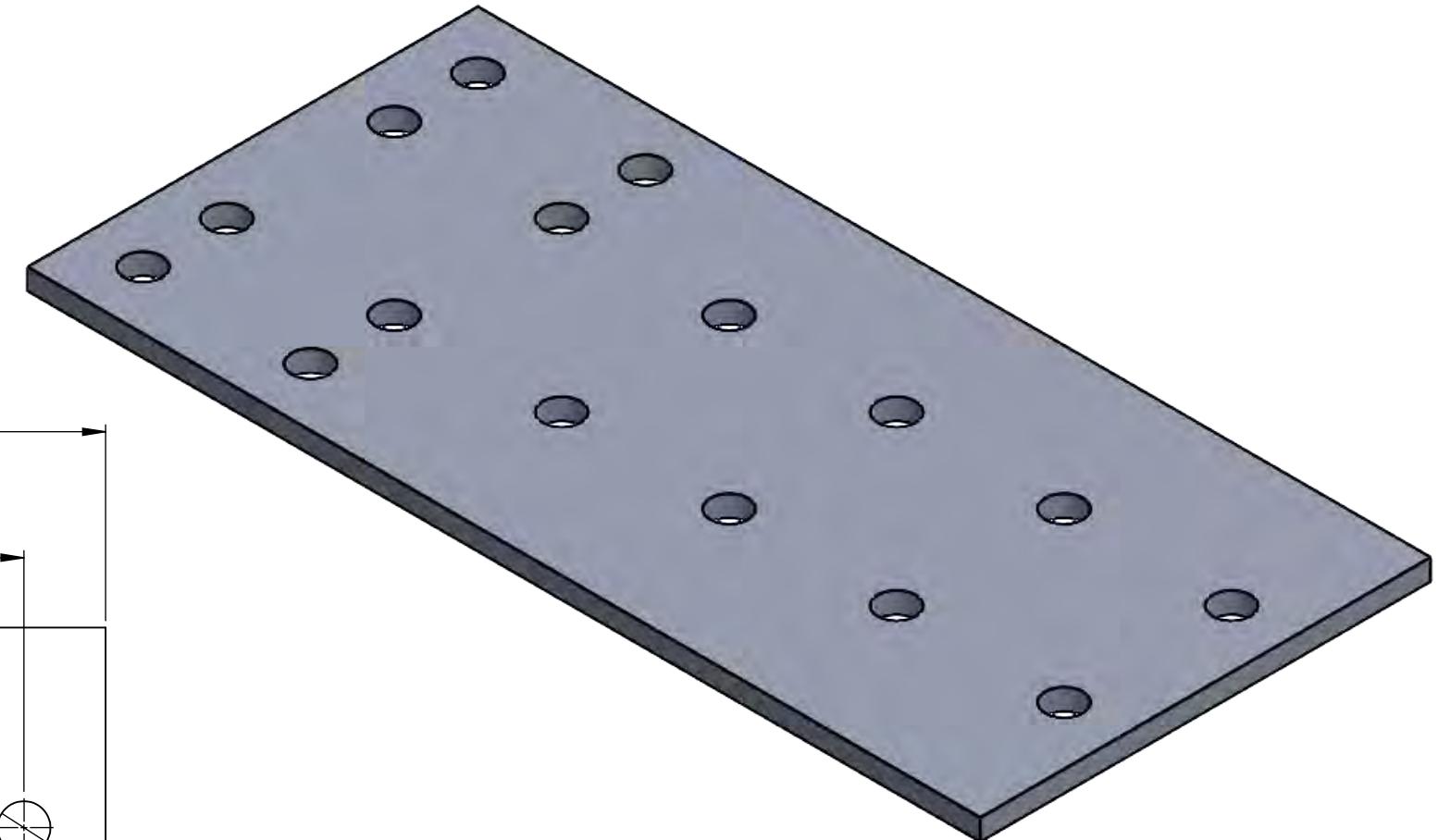
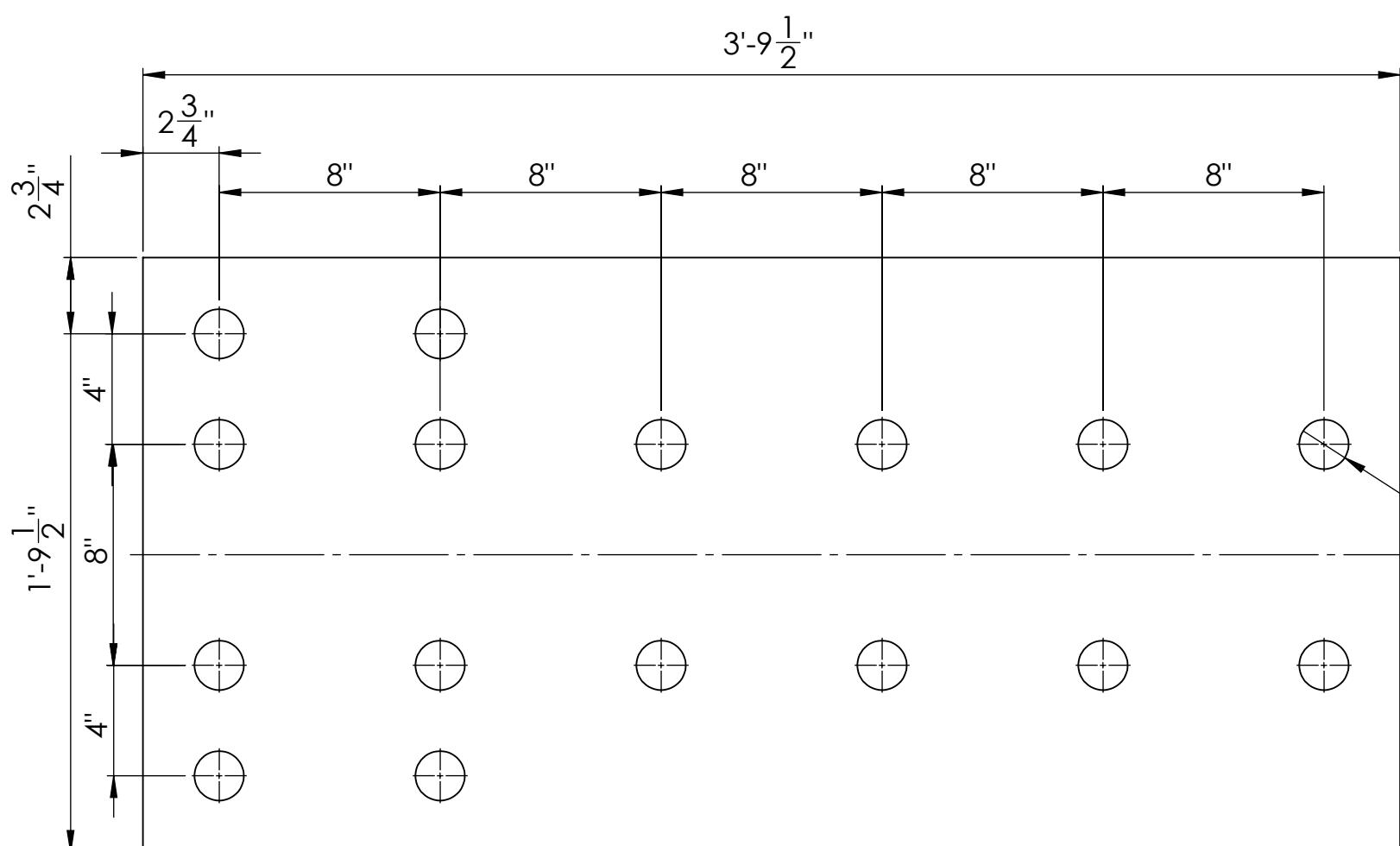
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
2	21-0	EQUAL LEG ANGLE	L12x12x1	20.0	15.6	A572-50



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

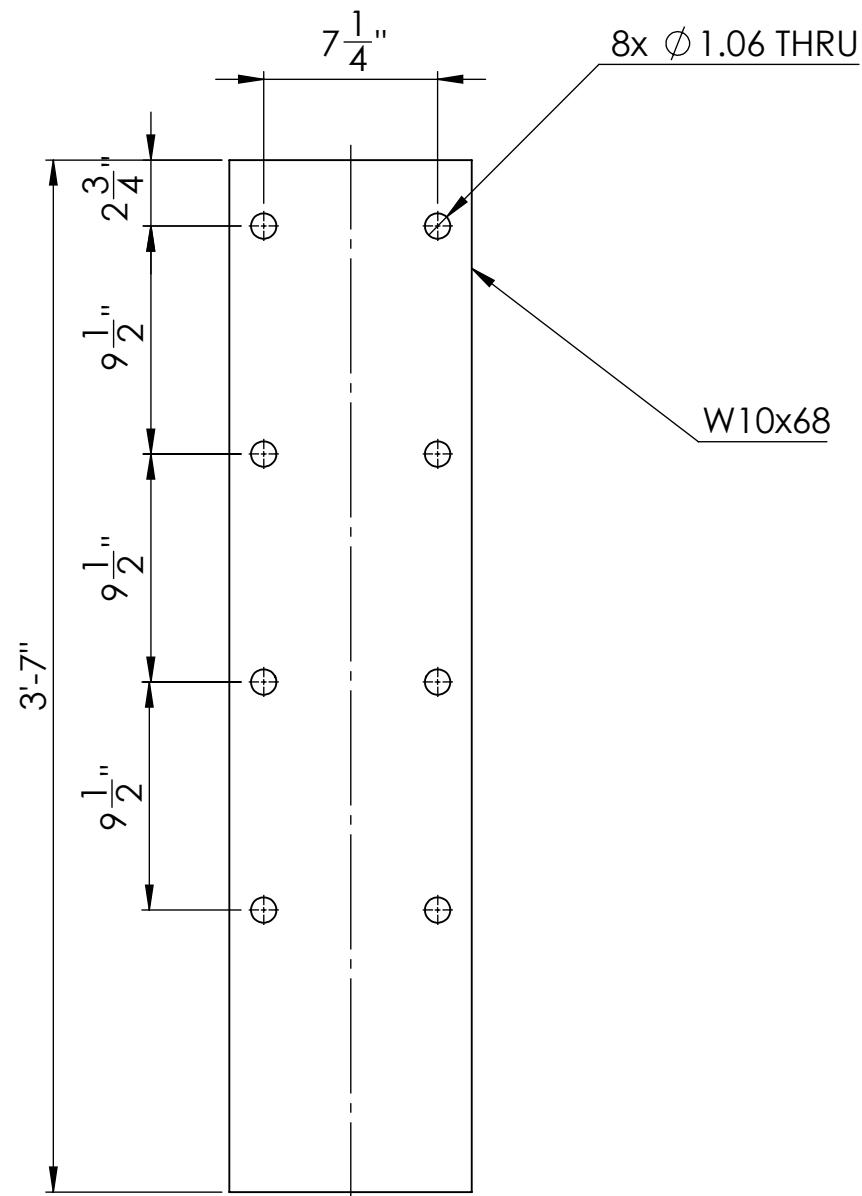
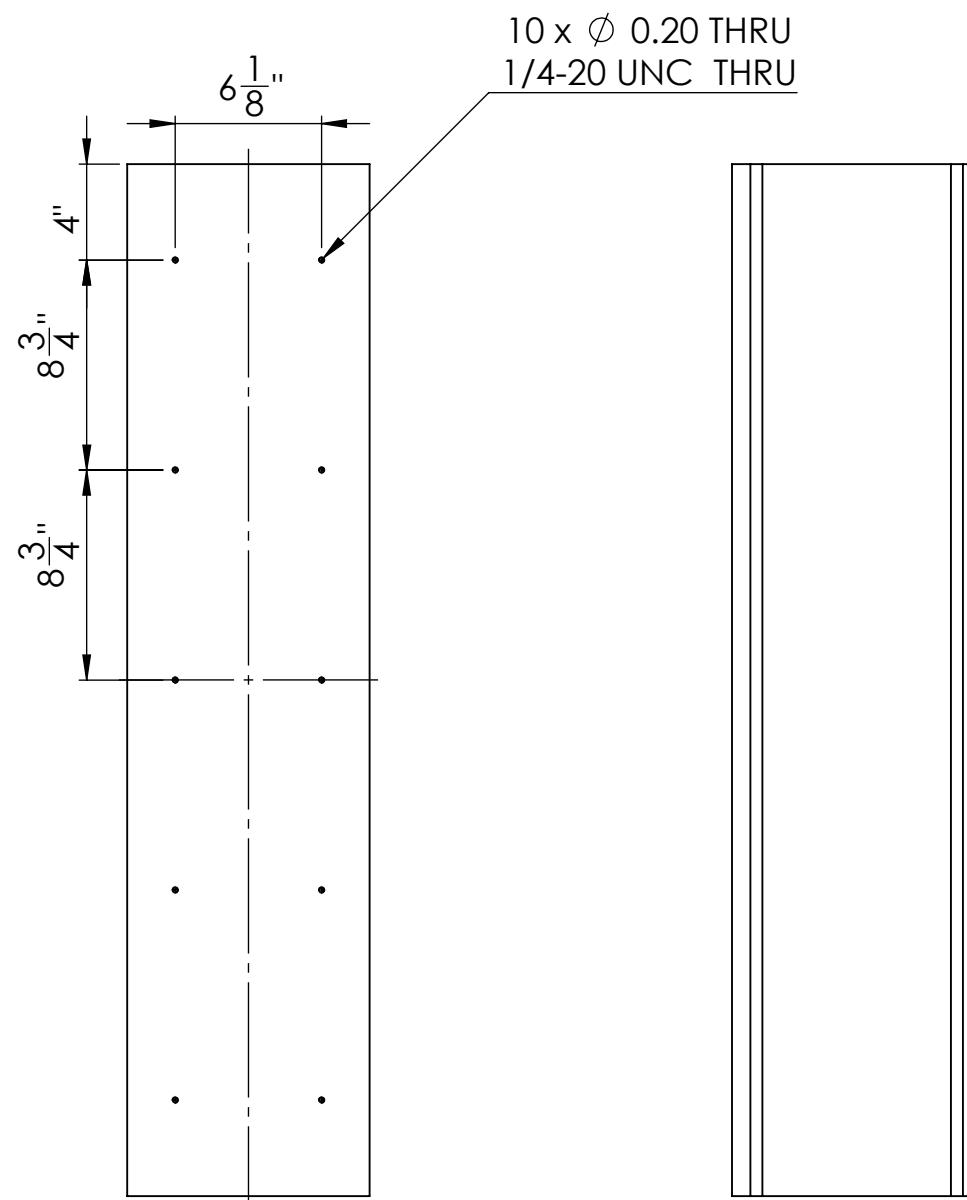
N Northeastern University

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



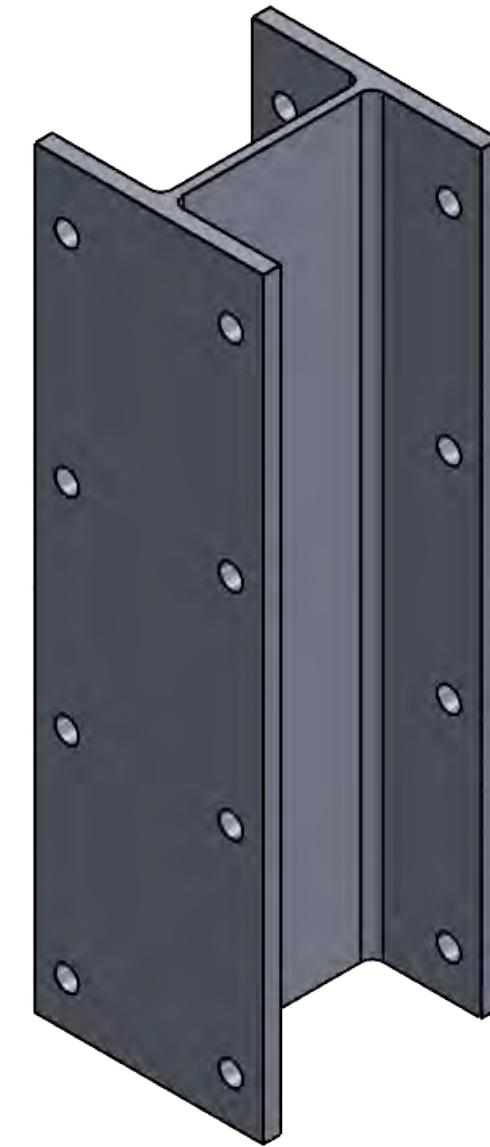
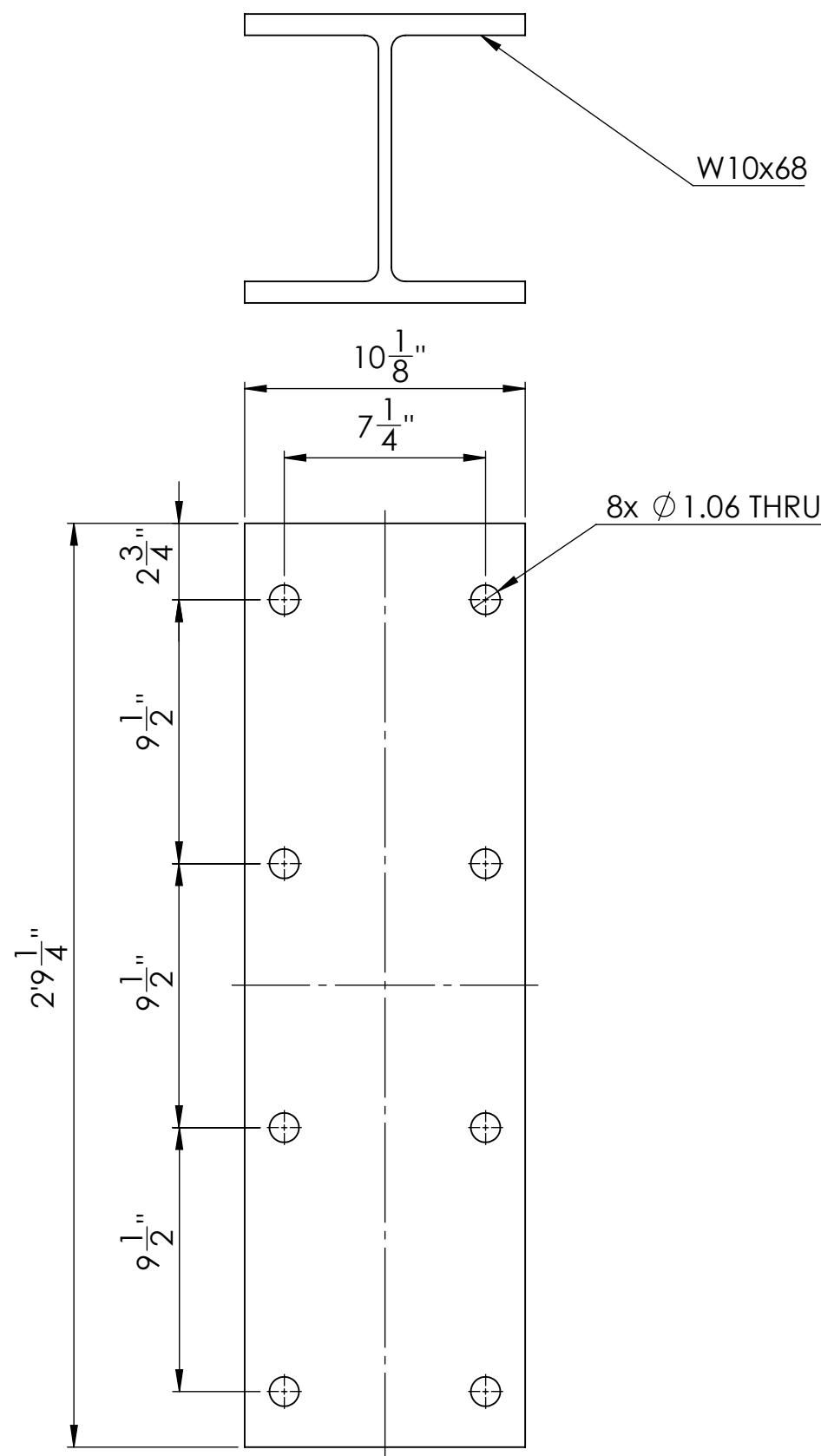
DRAWN	NAME	DATE	FASTFLOOR TEST SETUP				
			CHECKED	BS			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.			TITLE: RESTRAINED PLATE 2				
N Northeastern University	SIZE B	DWG. NO. 16-0	REV V1	SCALE: 1:6	WEIGHT: 34		
SHEET 14 OF 18							

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



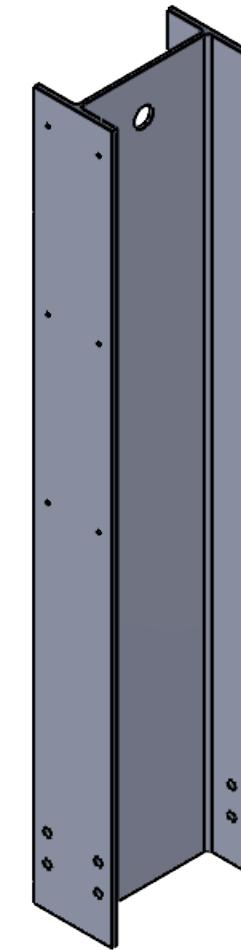
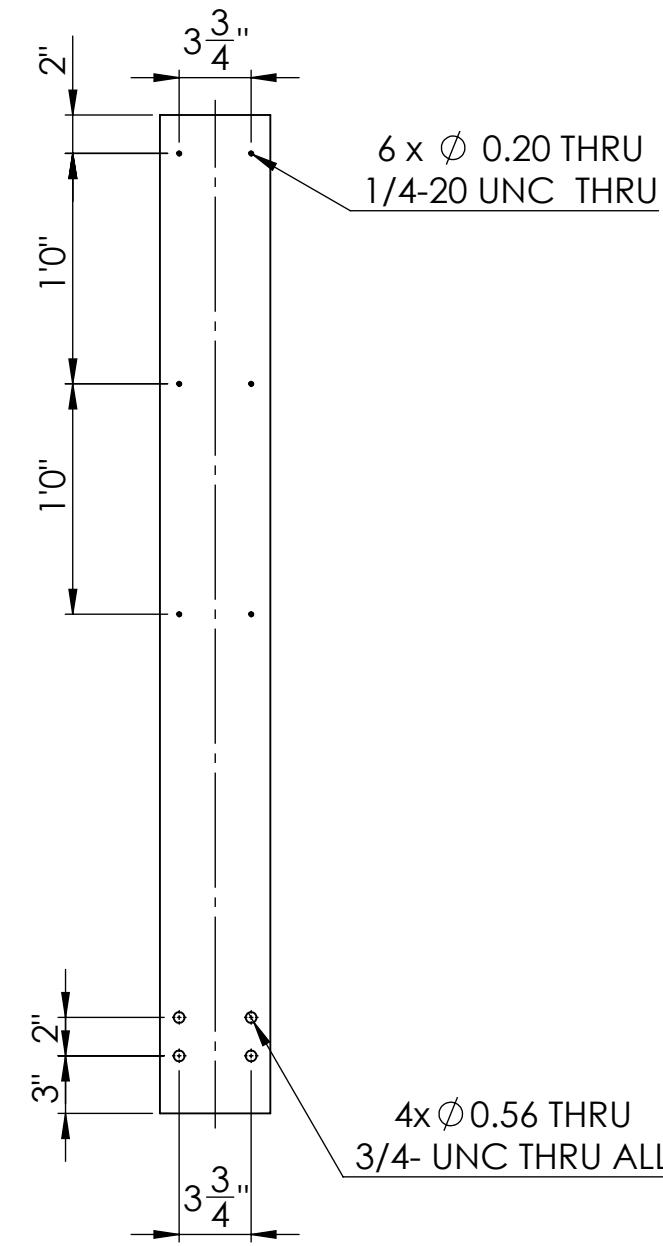
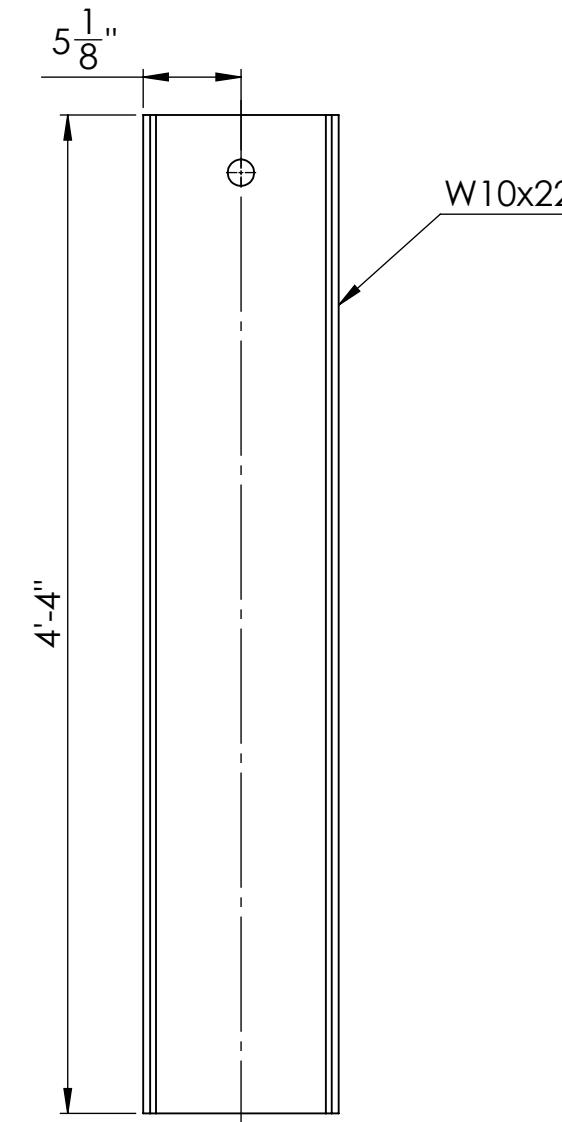
NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025		
CHECKED	BS			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TEST STEEL SPECIMENS.				
SIZE	DWG. NO.			
B	17-0			REV V1
SCALE: 1:8	WEIGHT: 43	SHEET 15 OF 18		

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

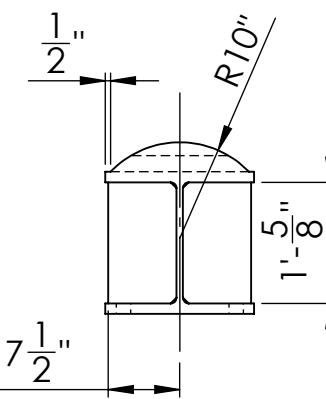


NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025		
CHECKED	BS			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.				
N Northeastern University	SIZE B	DWG. NO. 18-0	REV V1	
	SCALE: 1:6	WEIGHT: 24	SHEET 16 OF 18	

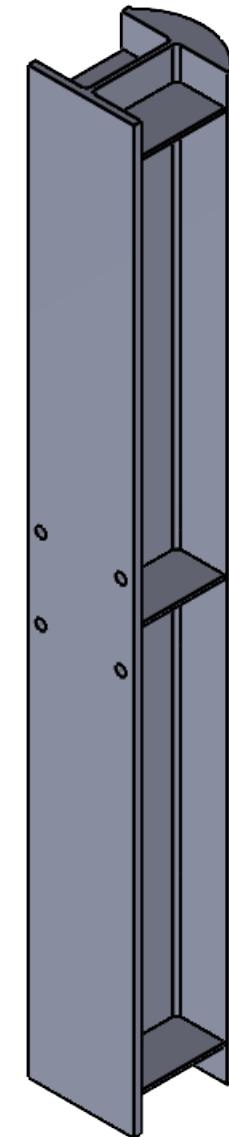
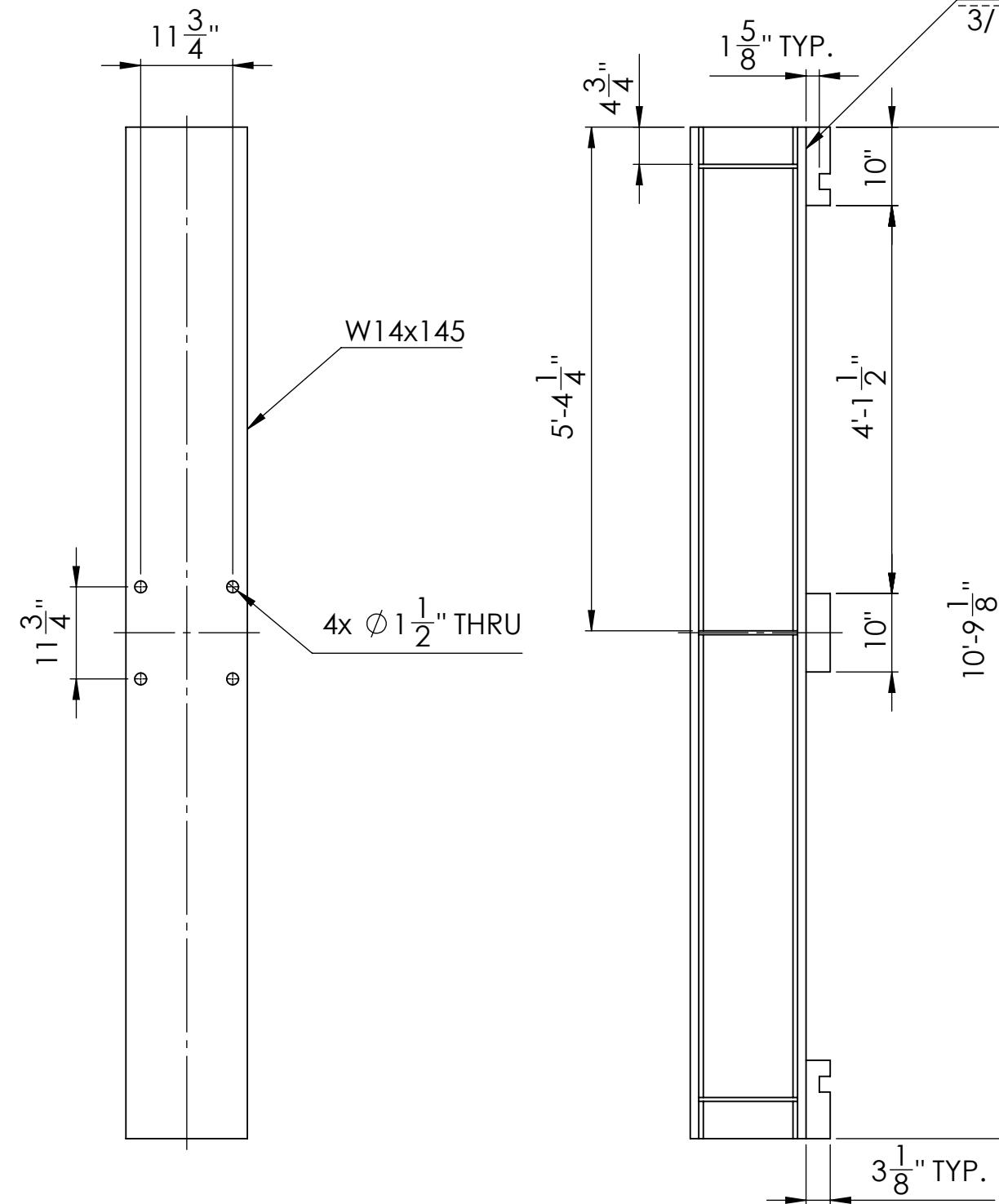
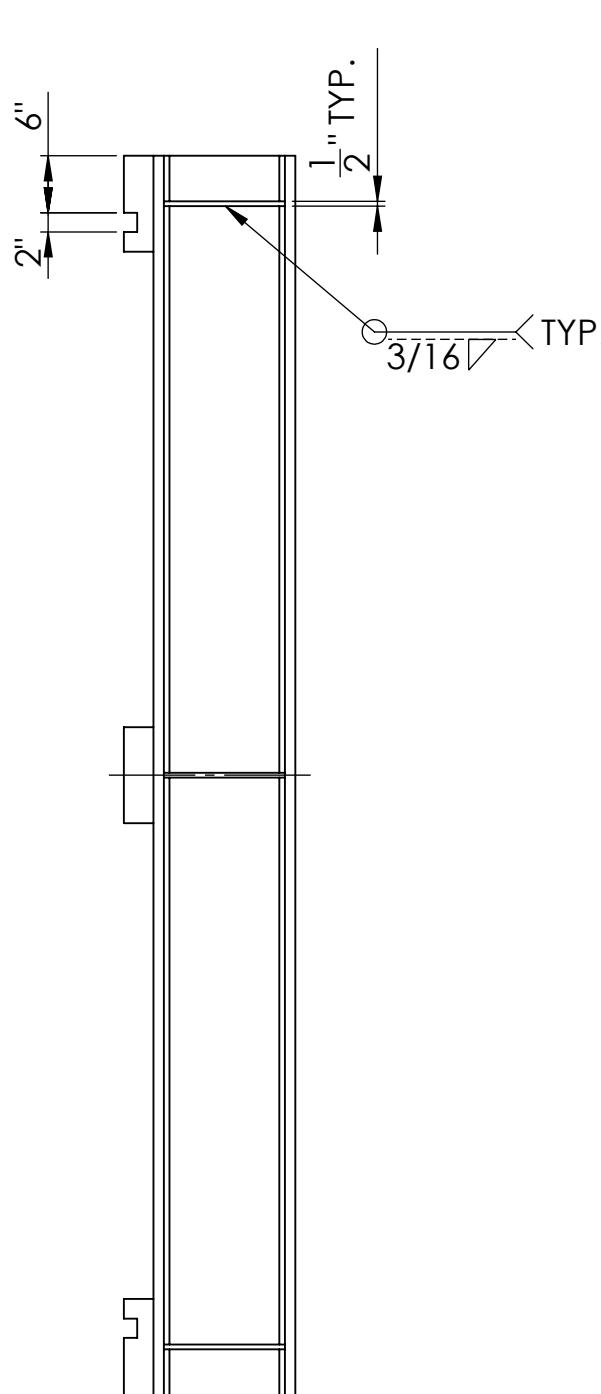
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
6	7-0	W BEAM FOR SUPPORT	W10x22	52	95	A36



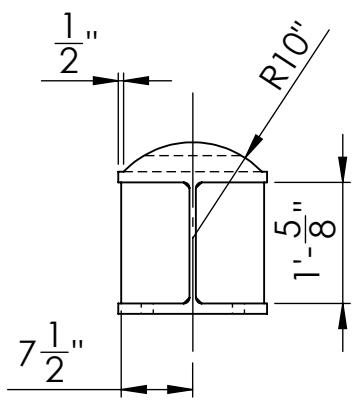
NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025		
CHECKED	BS	TITLE:		
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.				
Northeastern University		SIZE	DWG. NO.	REV
N Northeastern University		B	19-0	V3
SCALE: 1:10		WEIGHT: 95		SHEET 5 OF 5



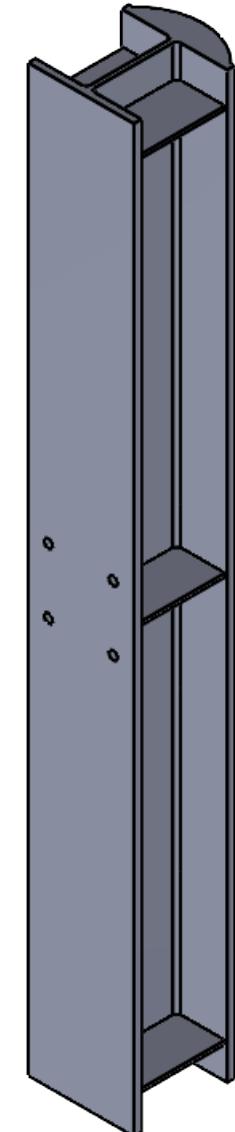
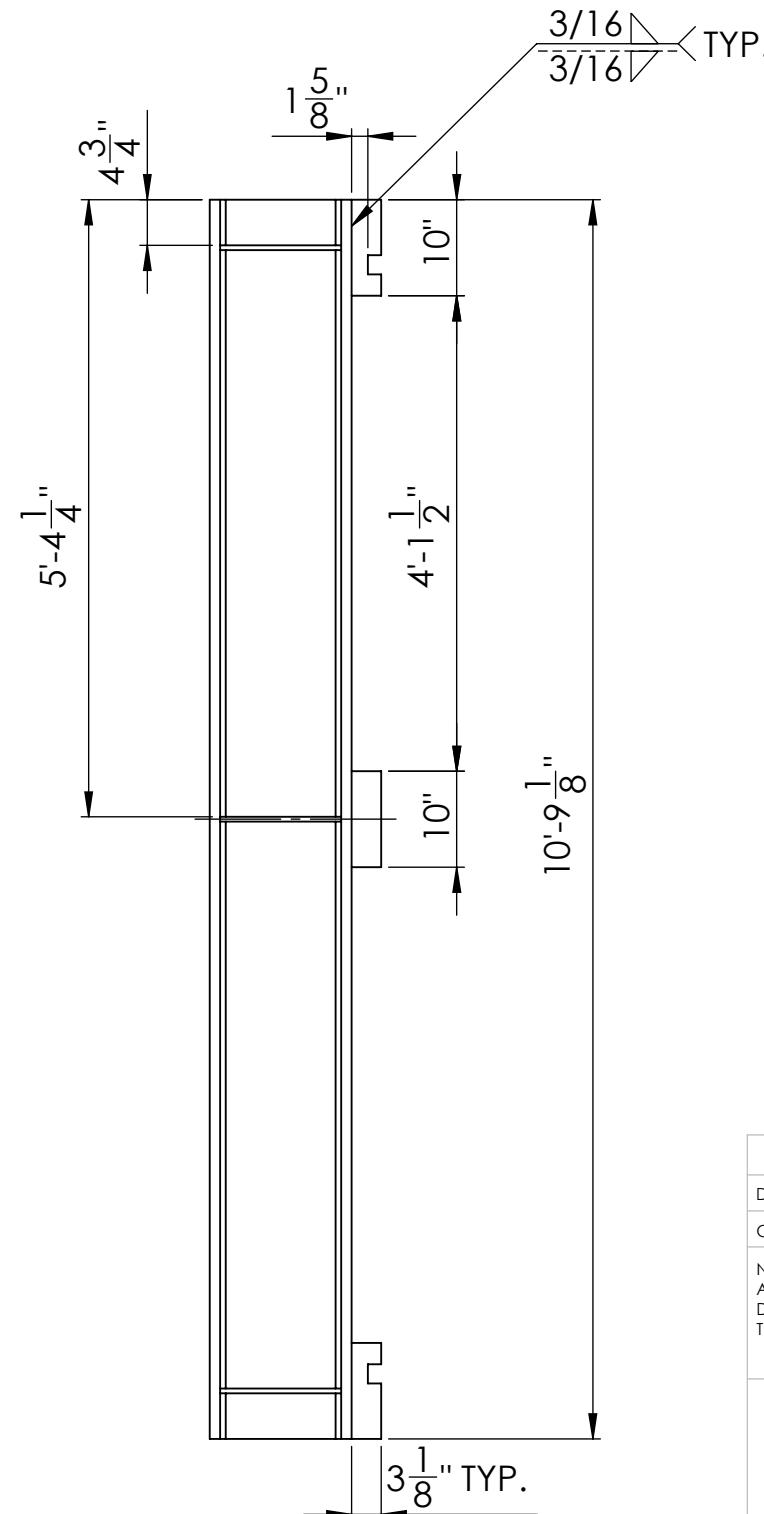
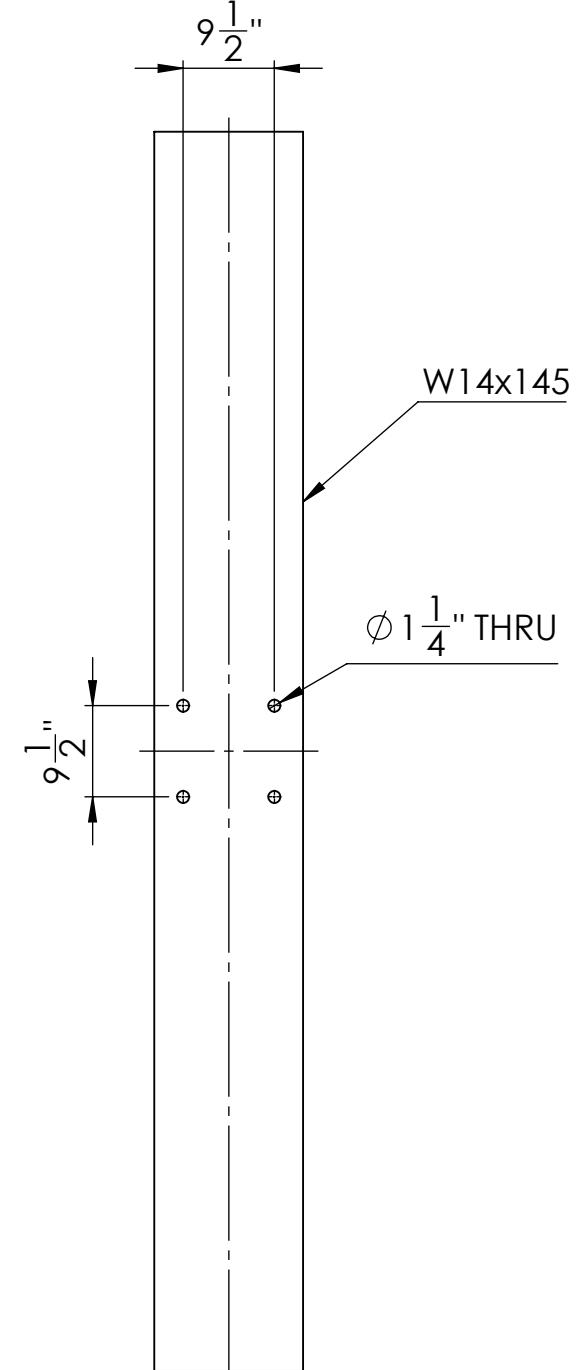
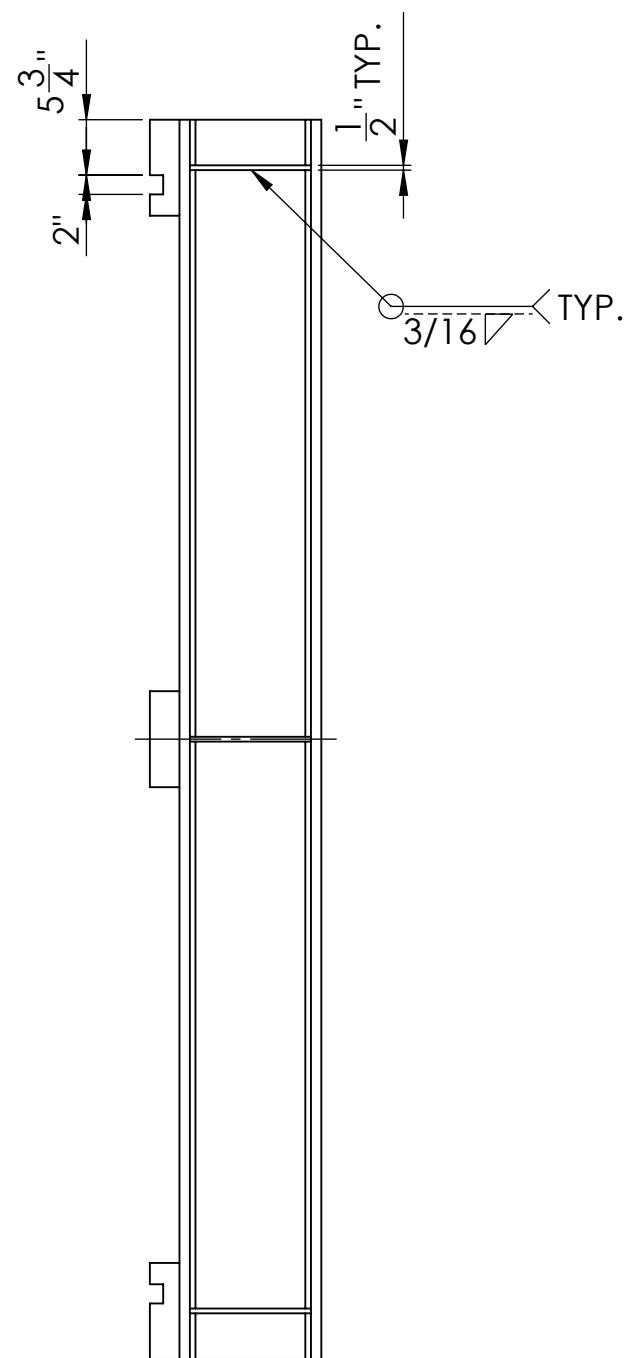
QTY.	PartNo	DESCRIPTION	StockSize	LENGTH	Weight	Material
1	25-0	LARGE ACT - LOADING WBEAM	W14x145	129	1560	A572-50
6	26-0	W BEAM STIFFENERS	PL0.5x12.5	12.625	12.5	A572-50
2	27-0	SPLIT CYLINDER SLOTTED	Solid Round 20"	10	100	A36
1	29-0	SPLIT CYLINDER	Solid Round 20"	4	100	A36



NAME	DATE	FASTFLOOR TEST SETUP		
DRAWN	DL	6/25/2025		
CHECKED	BS			
NOTES: ALL DIMENSIONS ARE IN INCHES. DO NOT SCALE DRAWING. TEST SETUP TO TEST STEEL SPECIMENS.				
SIZE	DWG. NO.	20-0	REV	V3
N Northeastern University	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



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