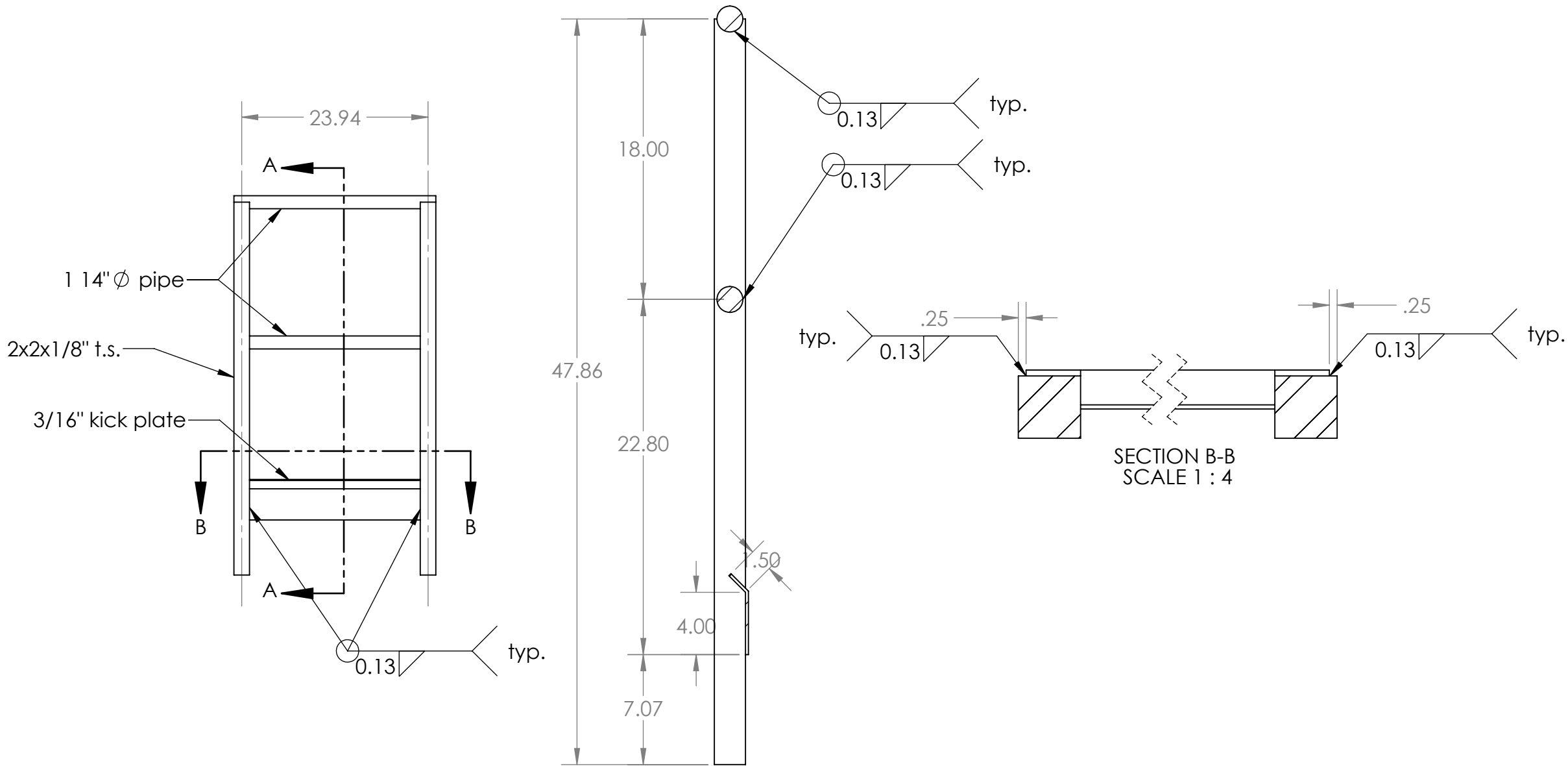


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EMM1044-HR1	ASTM A36 STEEL	1



SECTION A-A  
SCALE 1 : 8

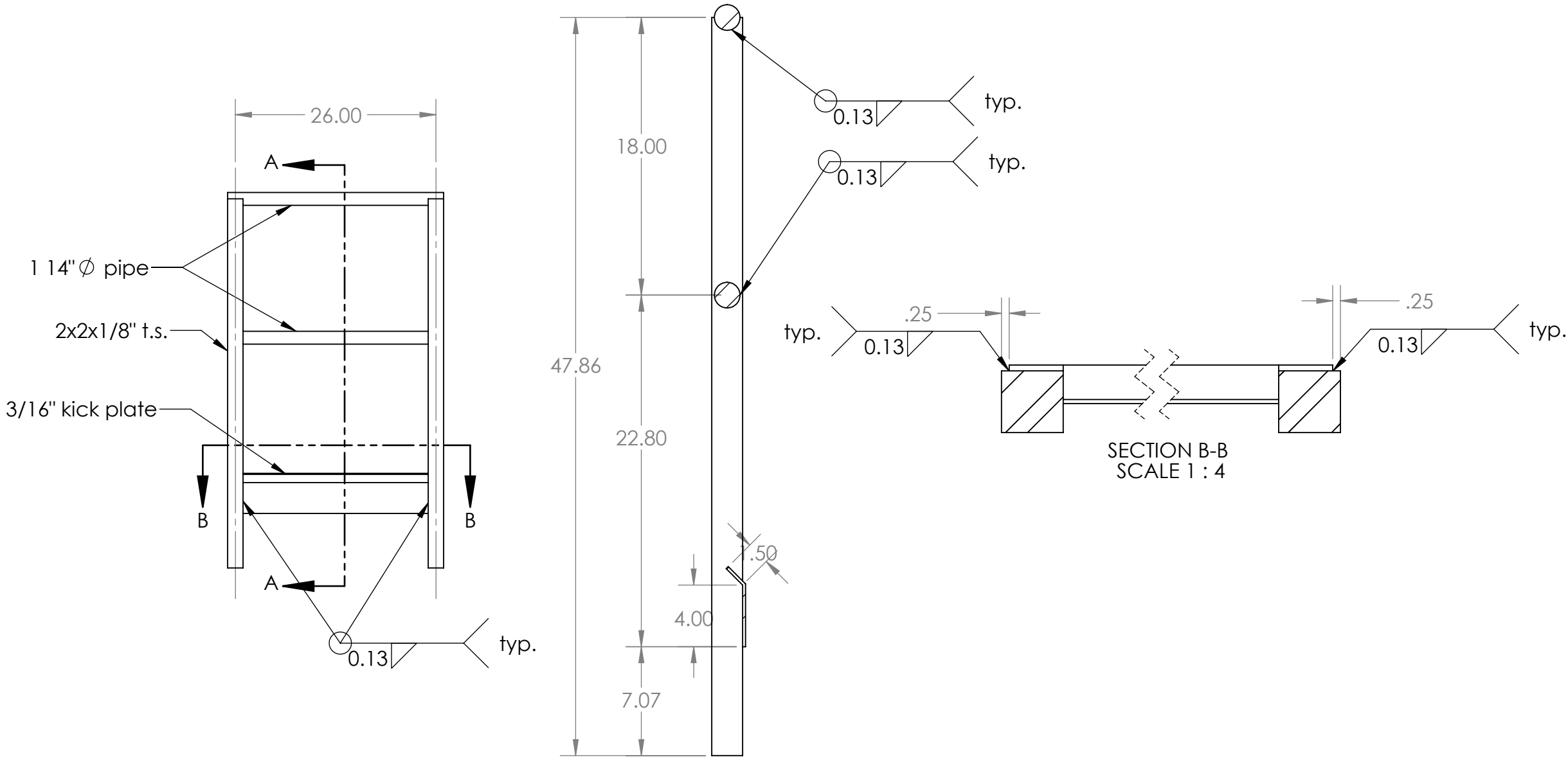
SECTION B-B  
SCALE 1 : 4

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	S. GILL	5-26-11
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Material <not specified>			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

ADVANCED LIGO					
Apollo Sheet Metal					
TITLE:					
E Module hand rail 1					
SIZE	DWG. NO.				REV
<b>B</b>	Module E hand rail assembly				<b>0</b>
SCALE: 1:16		WEIGHT:		SHEET 1 OF 6	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EMM1044-HR2	ASTM A36 STEEL	1



SECTION A-A  
SCALE 1 : 8

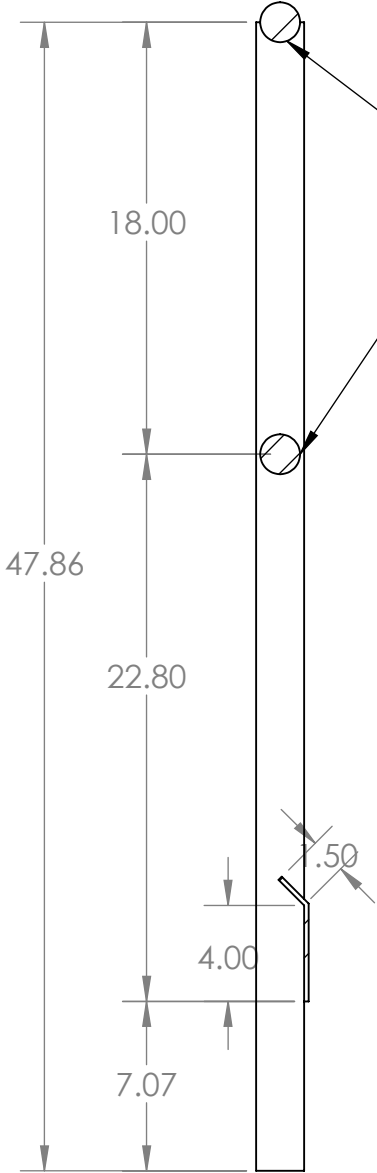
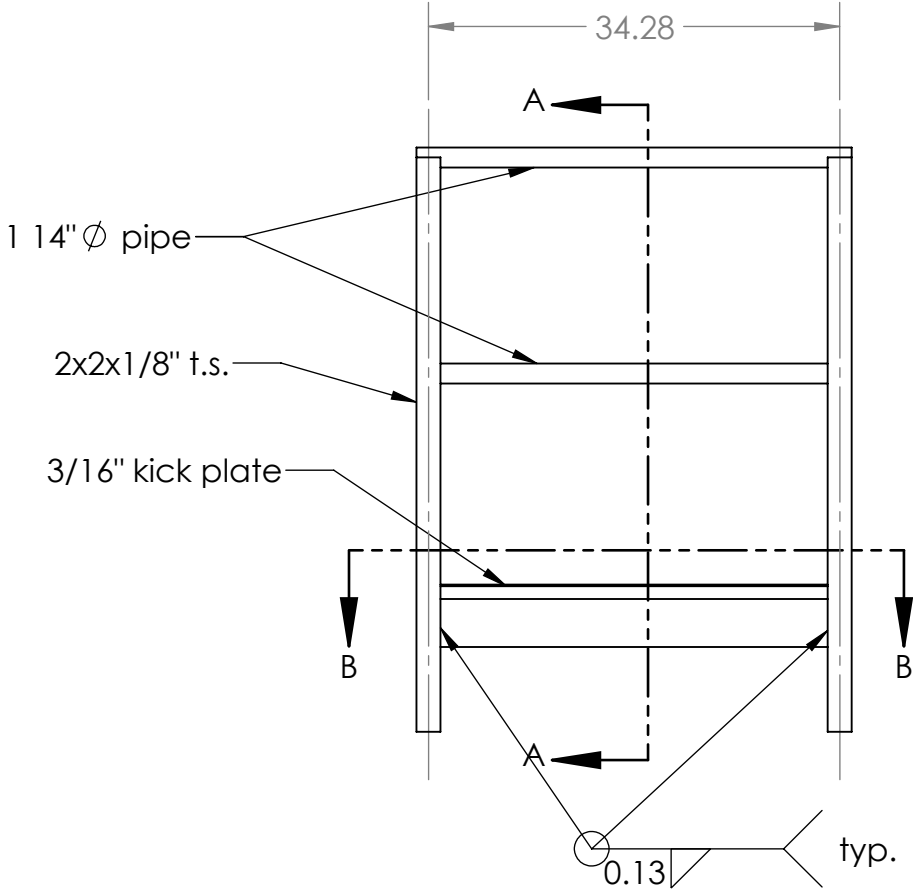
SECTION B-B  
SCALE 1 : 4

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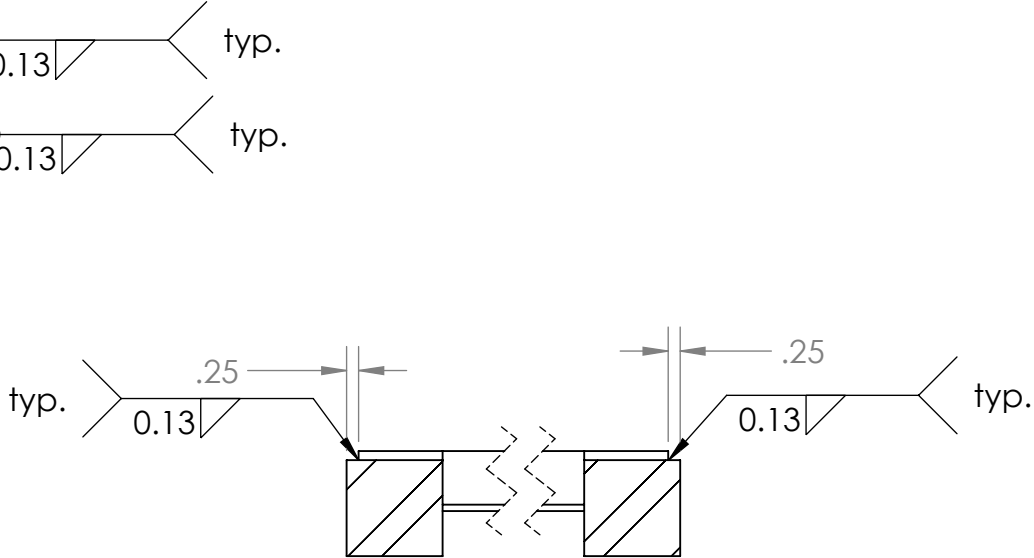
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	S. GILL	5-27-11
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Material <not specified>			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

ADVANCED LIGO					
APOLLO SHEET METAL					
TITLE:					
E Module hand rail 2					
SIZE	DWG. NO.			REV	
<b>B</b>	Module E hand rail assembly			<b>1</b>	
SCALE: 1:16		WEIGHT:		SHEET 2 OF 6	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EMM1044-HR3	ASTM A36 STEEL	1



SECTION A-A  
SCALE 1 : 8



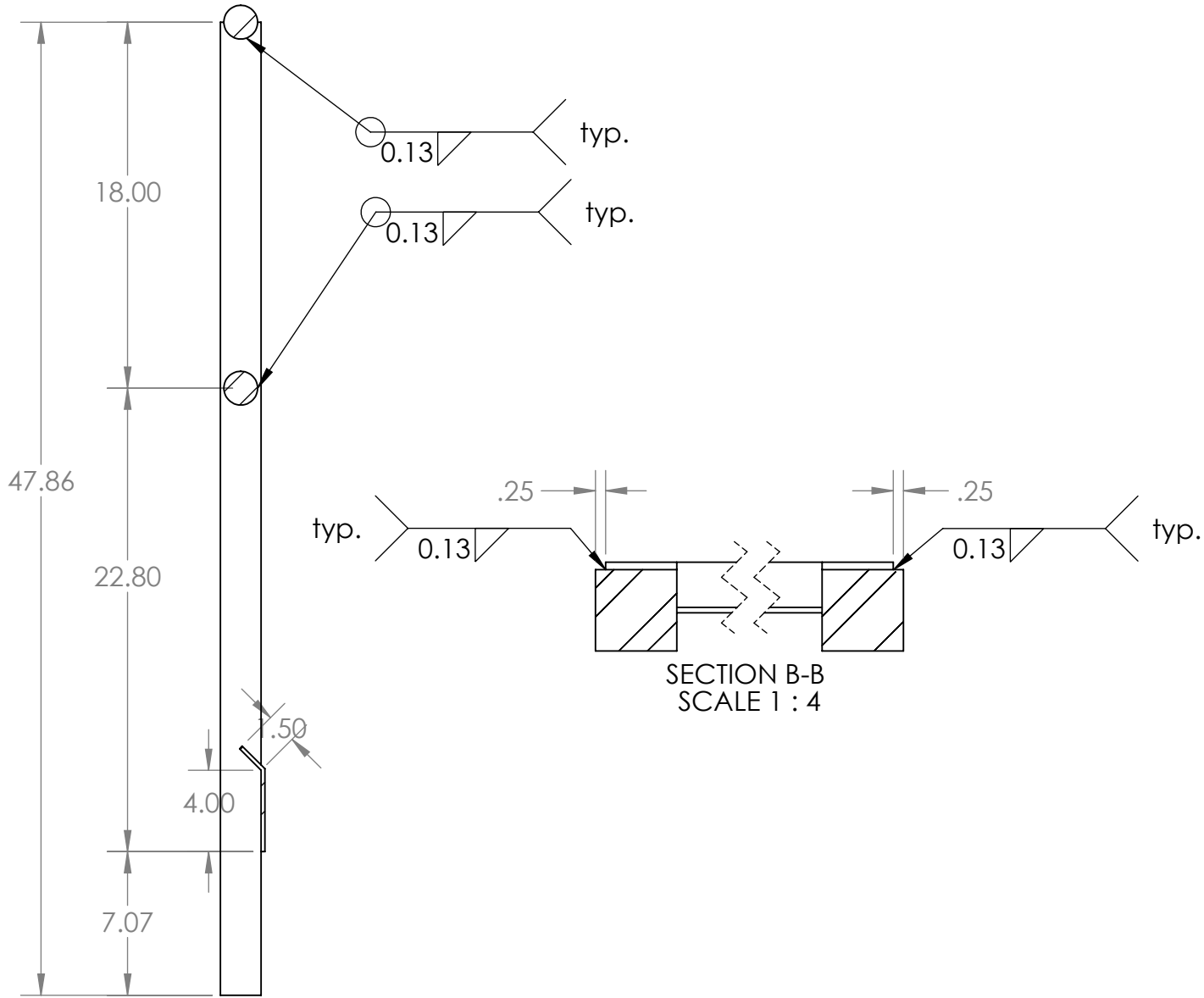
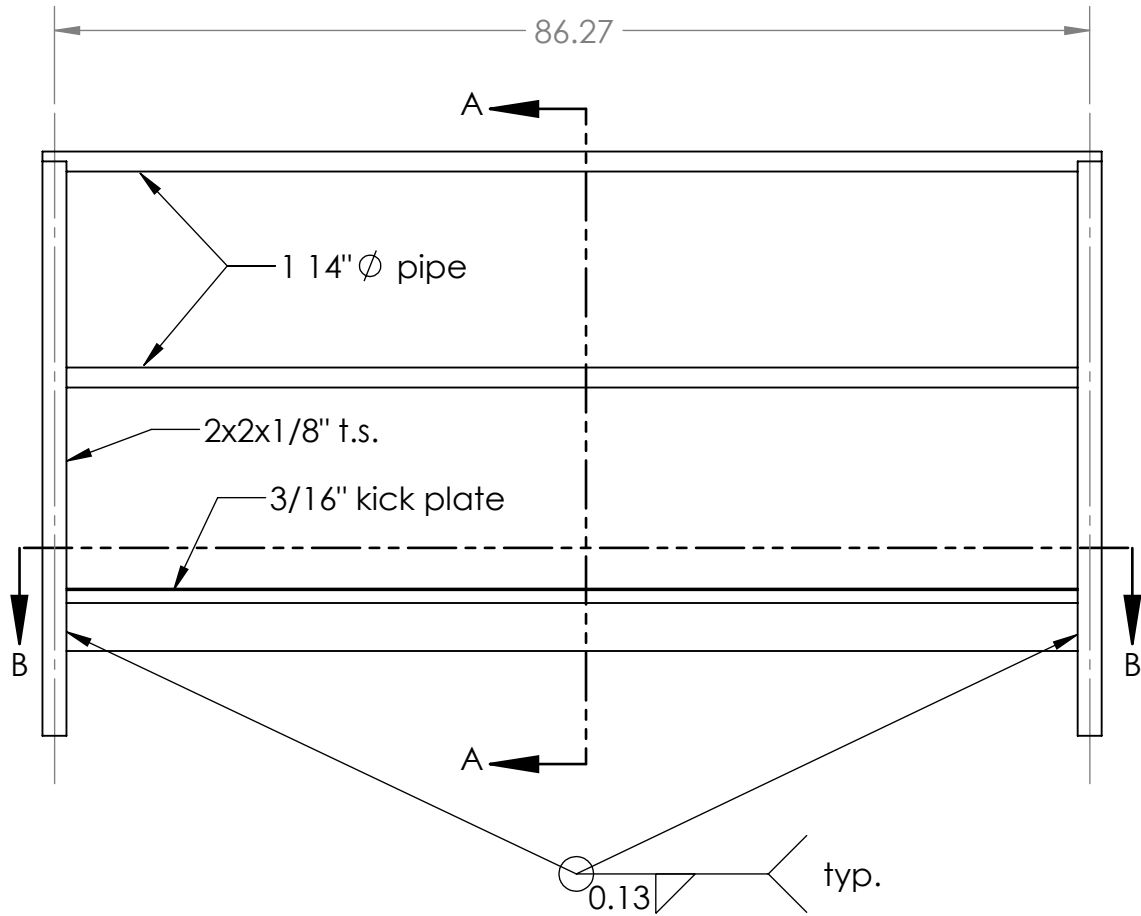
SECTION B-B  
SCALE 1 : 4

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		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL <div>Material &lt;not specified&gt;</div>
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

ADVANCED LIGO					
APOLLO SHEET METAL					
TITLE:					
E Module hand rail 3					
SIZE	DWG. NO.			REV	
<b>B</b>	Module E hand rail assembly			<b>1</b>	
SCALE: 1:16		WEIGHT:		SHEET 3 OF 6	

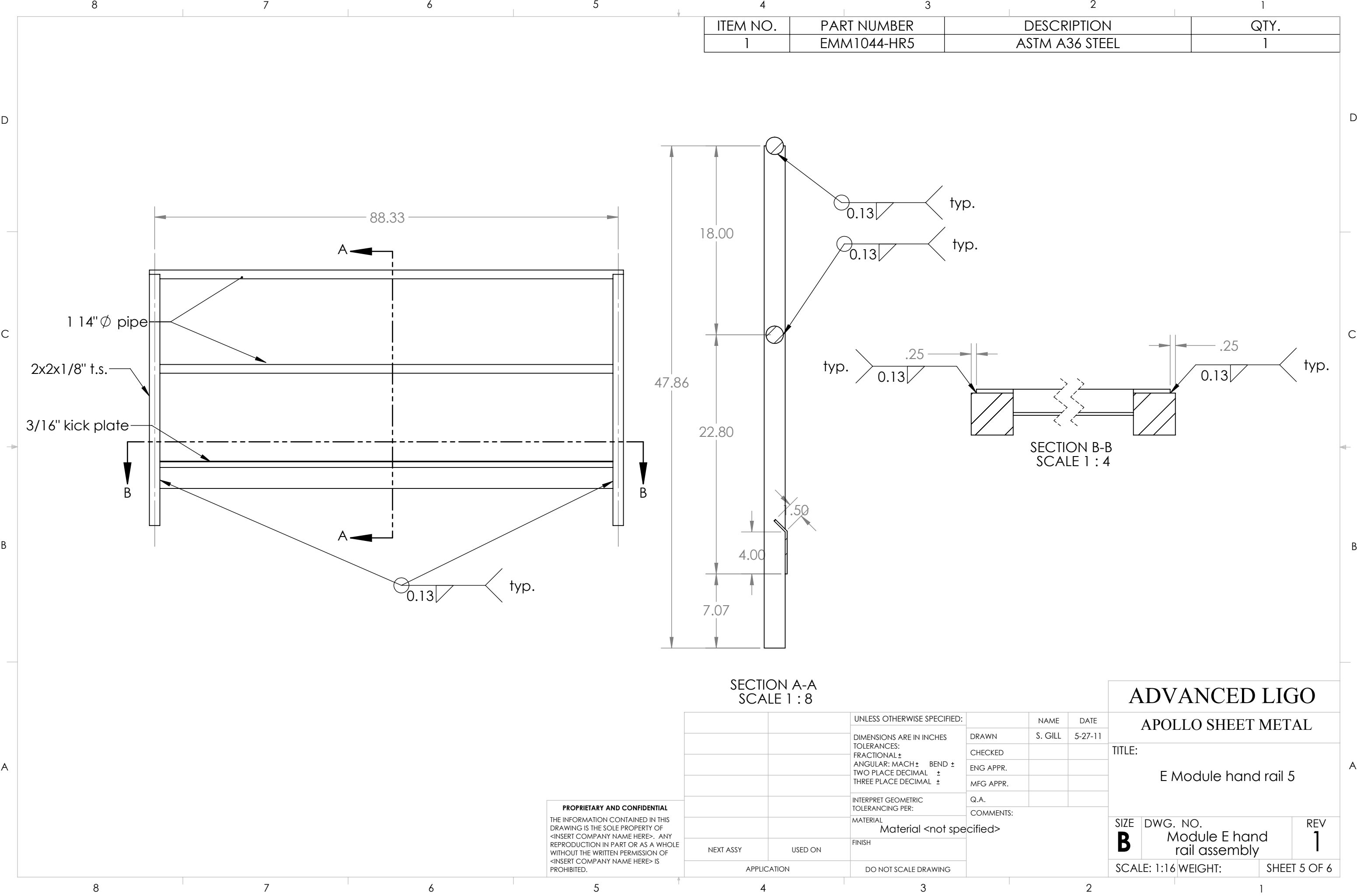
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EMM1044-HR4	ASTM A36 STEEL	1



SECTION A-A  
SCALE 1 : 8

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	APOLLO SHEET METAL			
		DIMENSIONS ARE IN INCHES	DRAWN	S. GILL	5-27-11	TITLE:  E Module hand rail 4			
		TOLERANCES:	CHECKED						
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ±    BEND ±	MFG APPR.						
		TWO PLACE DECIMAL    ±	Q.A.						
		THREE PLACE DECIMAL    ±	COMMENTS:						
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	REV	
		MATERIAL				Module E hand rail assembly		1	
		Material <not specified>							
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:16 WEIGHT: SHEET 4 OF 6						



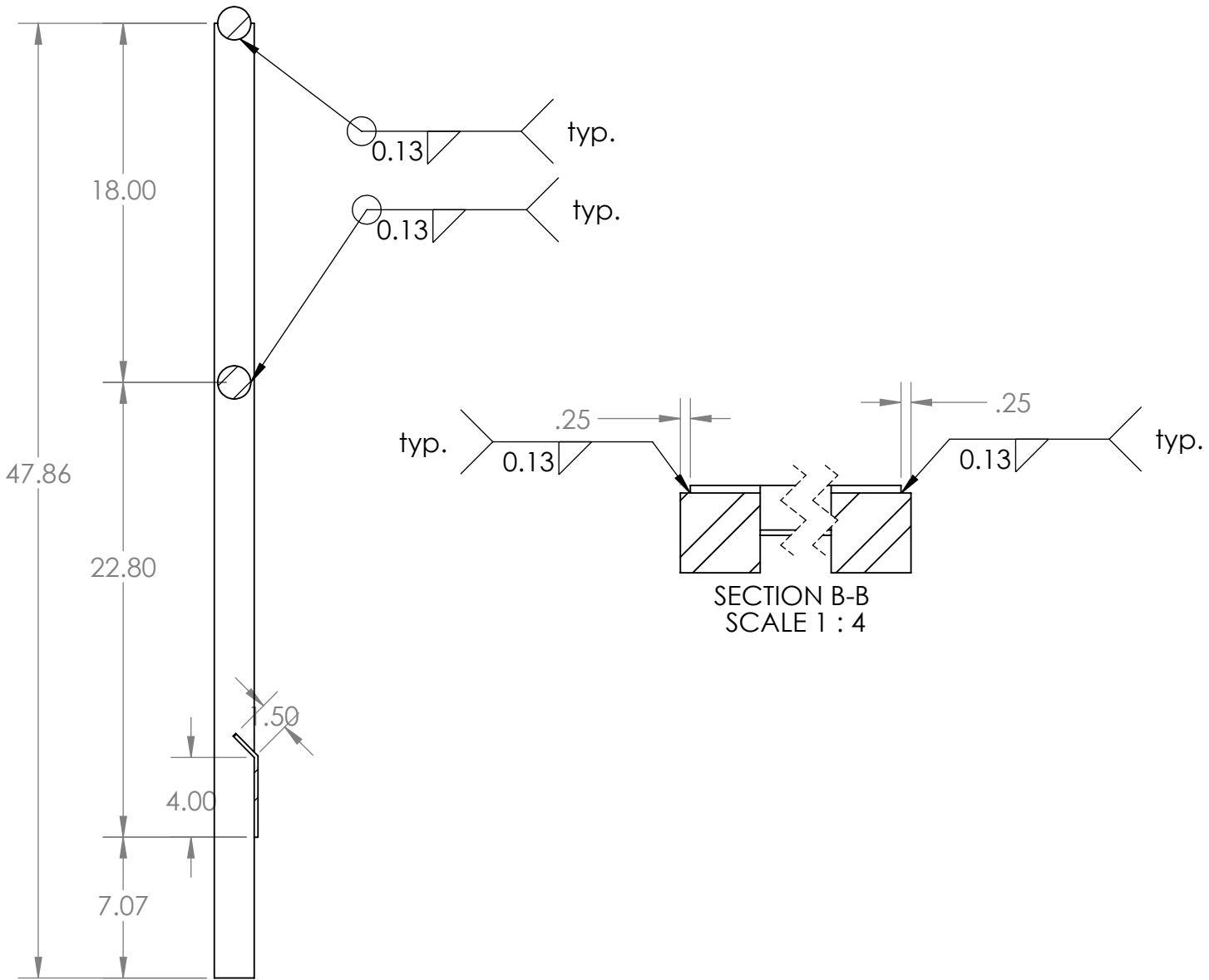
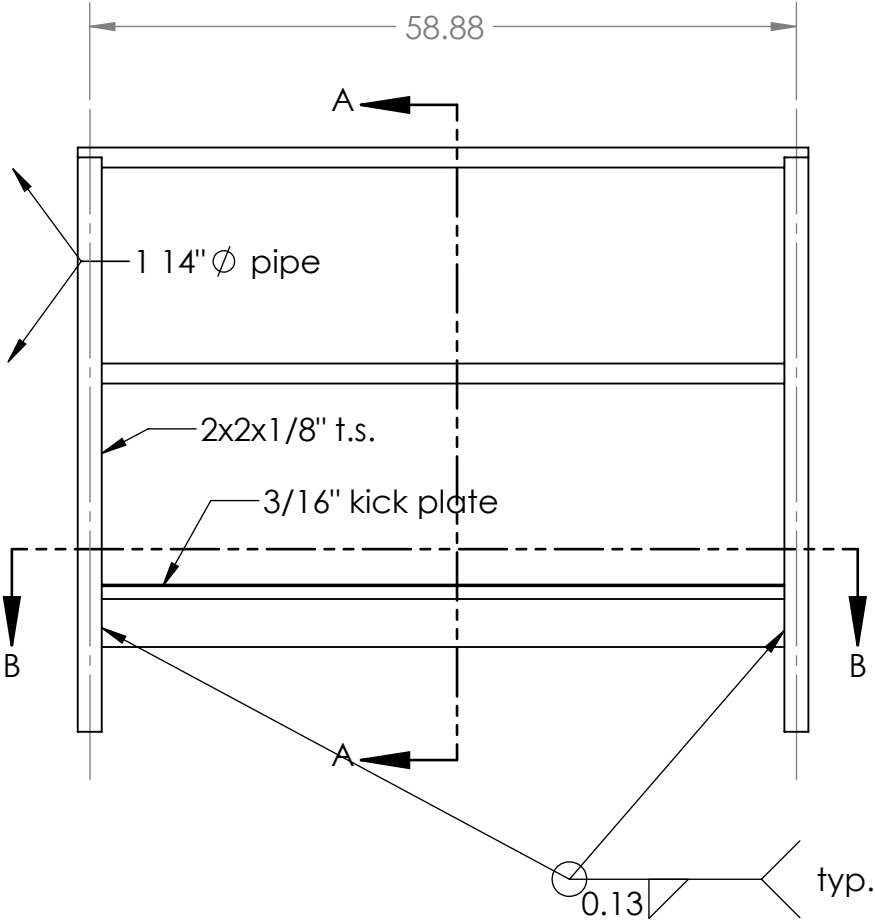
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EMM1044-HR5	ASTM A36 STEEL	1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	S. GILL	5-27-11
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Material <not specified>			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

ADVANCED LIGO					
APOLLO SHEET METAL					
TITLE: E Module hand rail 5					
SIZE <b>B</b>	DWG. NO. Module E hand rail assembly			REV <b>1</b>	
SCALE: 1:16		WEIGHT:		SHEET 5 OF 6	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EMM1044-HR6	ASTM A36 STEEL	4



SECTION A-A  
SCALE 1 : 8

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	S. GILL	5-27-11
		TOLERANCES:	CHECKED		
		FRACTIONAL $\pm$	ENG APPR.		
		ANGULAR: MACH $\pm$ BEND $\pm$	MFG APPR.		
		TWO PLACE DECIMAL $\pm$	Q.A.		
		THREE PLACE DECIMAL $\pm$	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Material <not specified>			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

ADVANCED LIGO					
APOLLO SHEET METAL					
TITLE:					
E Module hand rail 6					
SIZE	DWG. NO.			REV	
<b>B</b>	Module E hand rail assembly			<b>1</b>	
SCALE: 1:16			WEIGHT:	SHEET 6 OF 6	