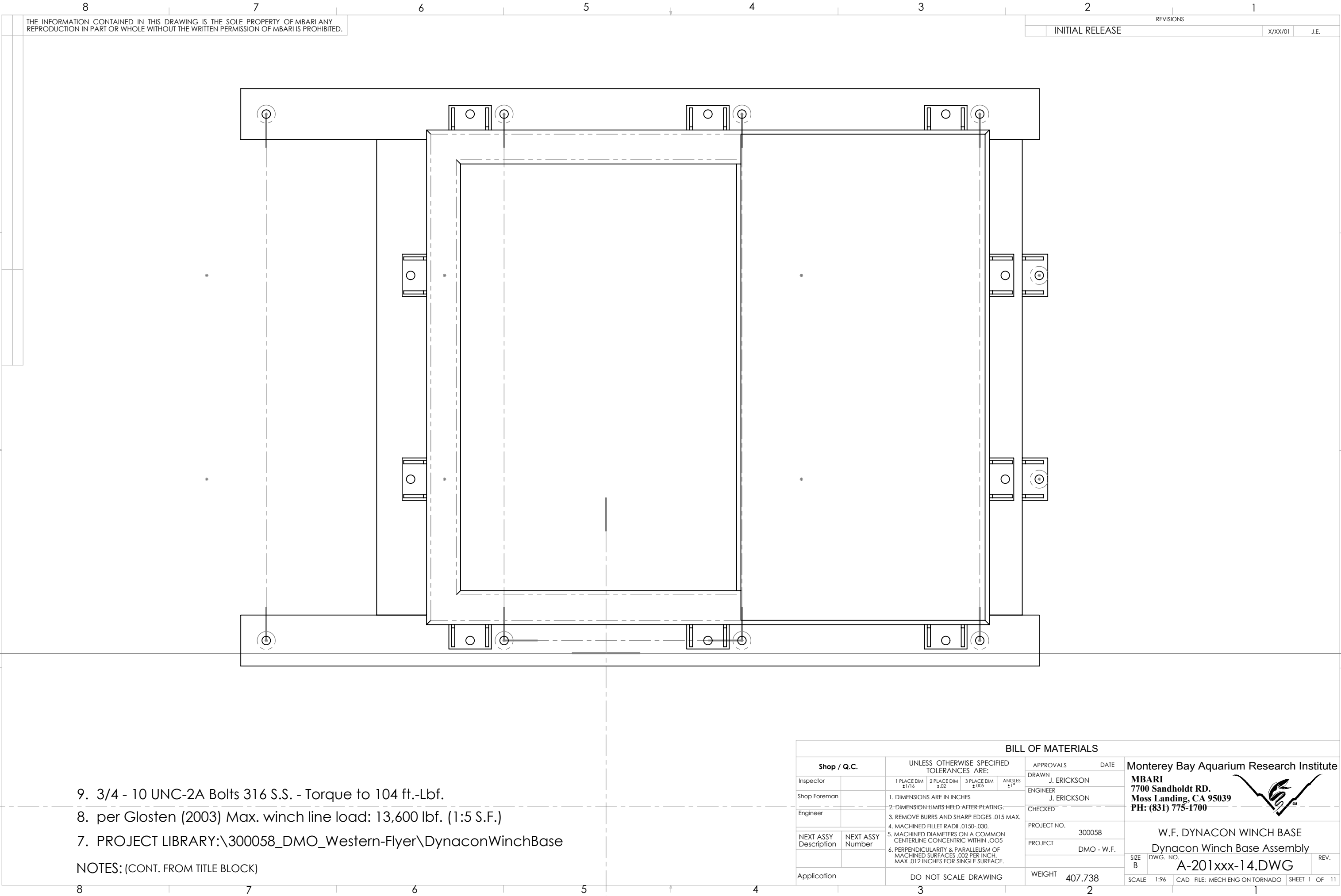




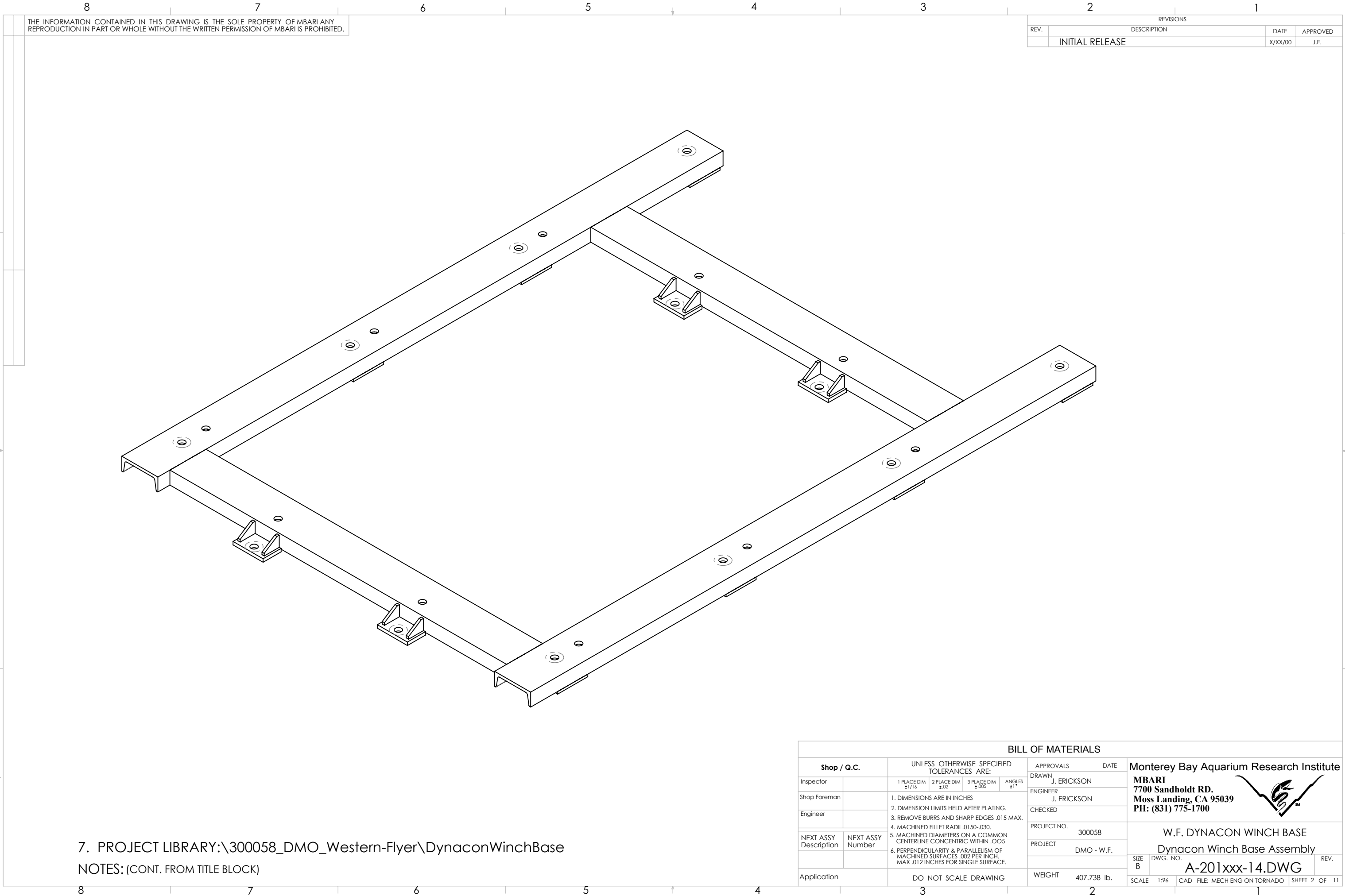
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REVISIONS		
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9. 3/4 - 10 UNC-2A Bolts 316 S.S. - Torque to 104 ft.-Lbf.
8. per Glosten (2003) Max. winch line load: 13,600 lbf. (1:5 S.F.)
7. PROJECT LIBRARY:\300058_DMO_Western-Flyer\DynaconWinchBase

NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 W.F. DYNACON WINCH BASE Dynacon Winch Base Assembly A-201xxx-14.DWG	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON		
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	J. ERICKSON		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED			
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	300058	SIZE B	DWG. NO.
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	DMO - W.F.	SCALE	1:96
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005						CAD	FILE: MECH ENG ON TORNADO
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.						SHEET	1
Application		DO NOT SCALE DRAWING				WEIGHT	407.738	OF	11

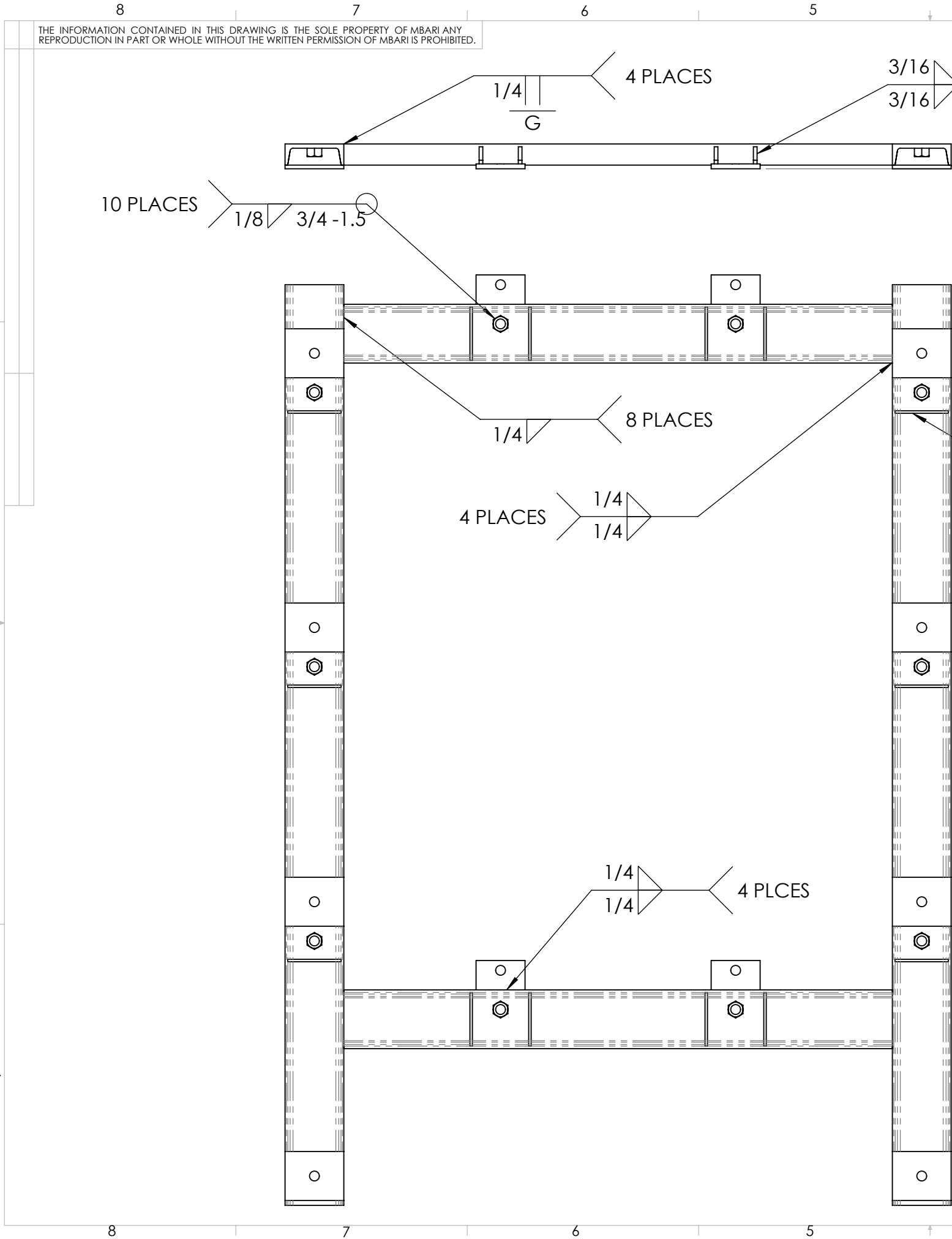


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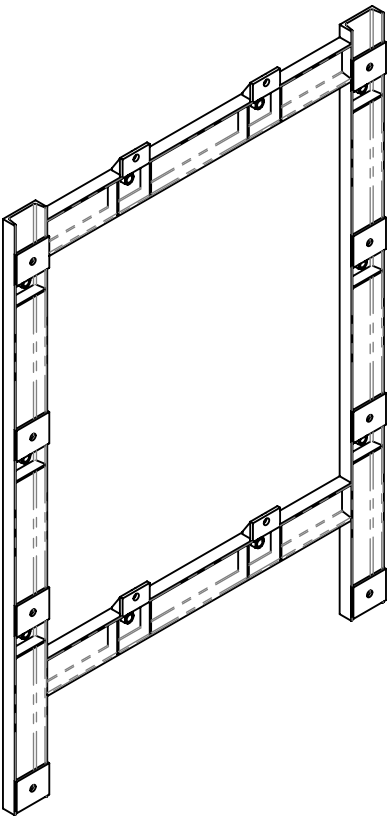
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

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NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON		
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	J. ERICKSON		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300058	W.F. DYNACON WINCH BASE Dynacon Winch Base Assembly SIZE B DWG. NO. A-201xxx-14.DWG	
						PROJECT	DMO - W.F.		
Application		DO NOT SCALE DRAWING				WEIGHT	407.738 lb.		
		SCALE	1:96	CAD	FILE: MECH ENG ON TORNADO	SHEET	2	OF	11



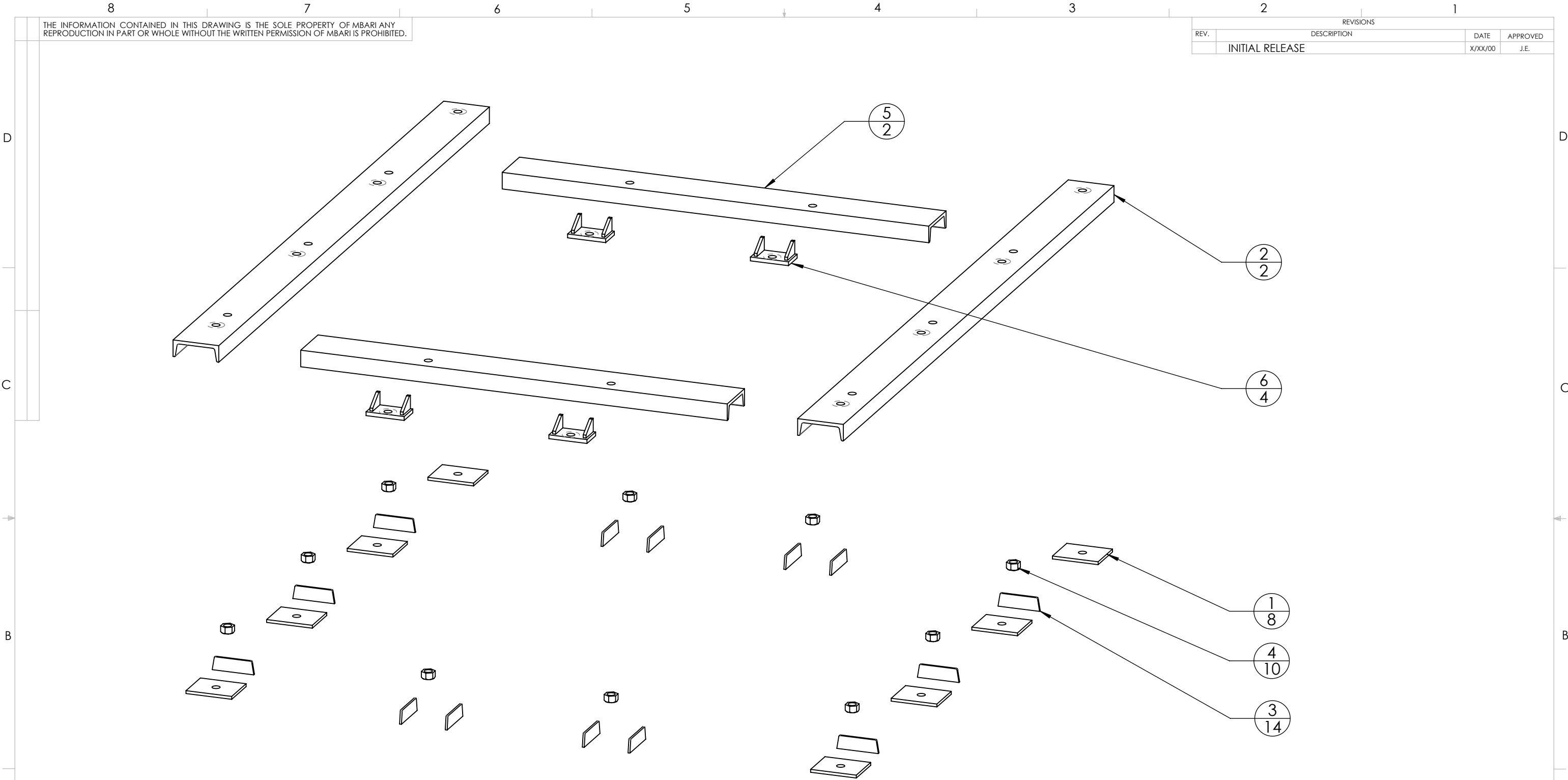
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



7. PROJECT LIBRARY:\300058_DMO_Western-Flyer\DynaconWinchBase

NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	J. ERICKSON		
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	J. ERICKSON		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300058	W.F. DYNACON WINCH BASE Dynacon Winch Base Assembly A-201xxx-14.DWG	
						PROJECT	DMO - W.F.		
						WEIGHT	407.738 lb.		
Application		DO NOT SCALE DRAWING						SIZE B	DWG. NO.
								SCALE 1:96	CAD FILE: MECH ENG ON TORNADO
								SHEET 3 OF 11	



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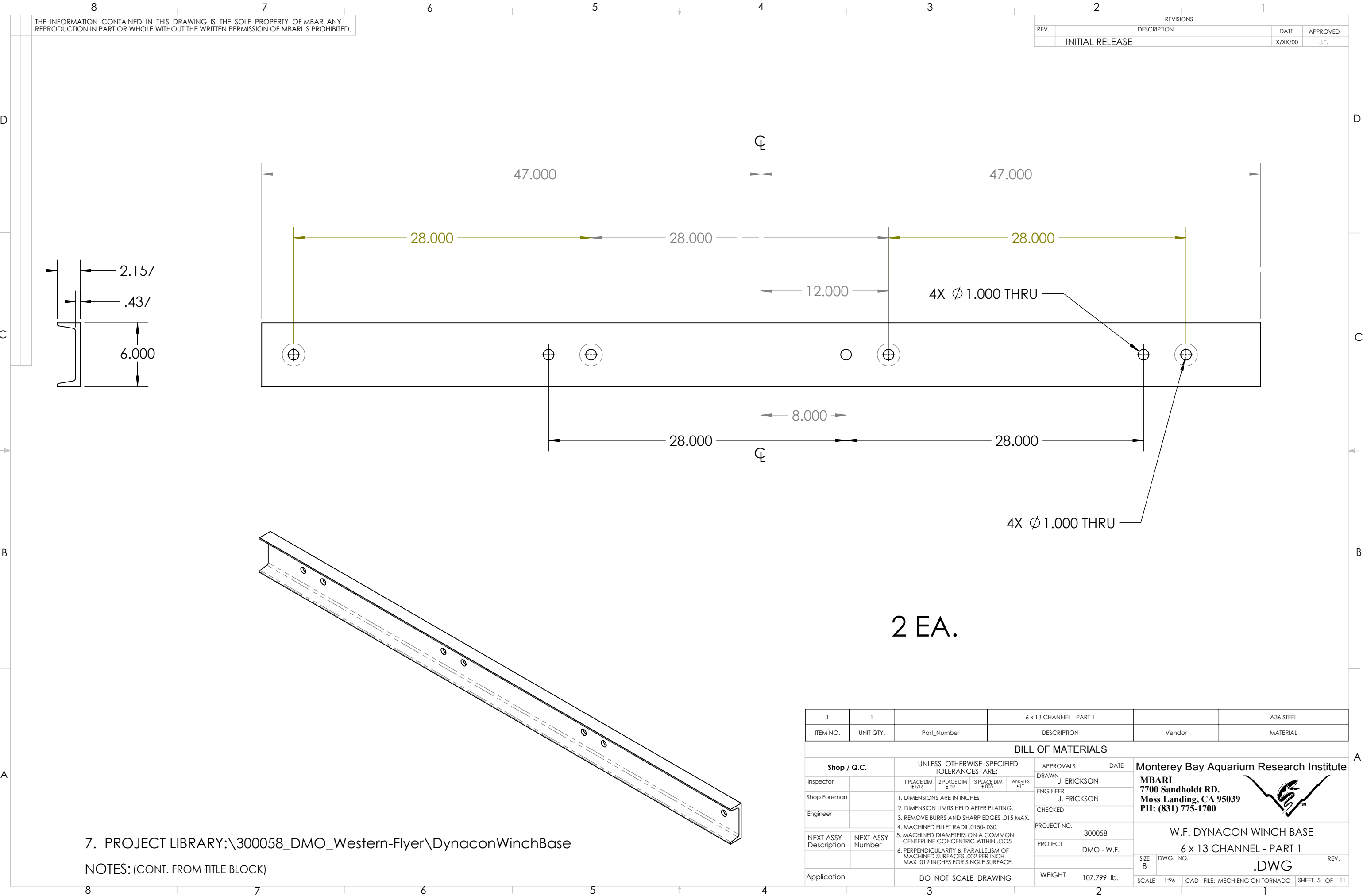
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

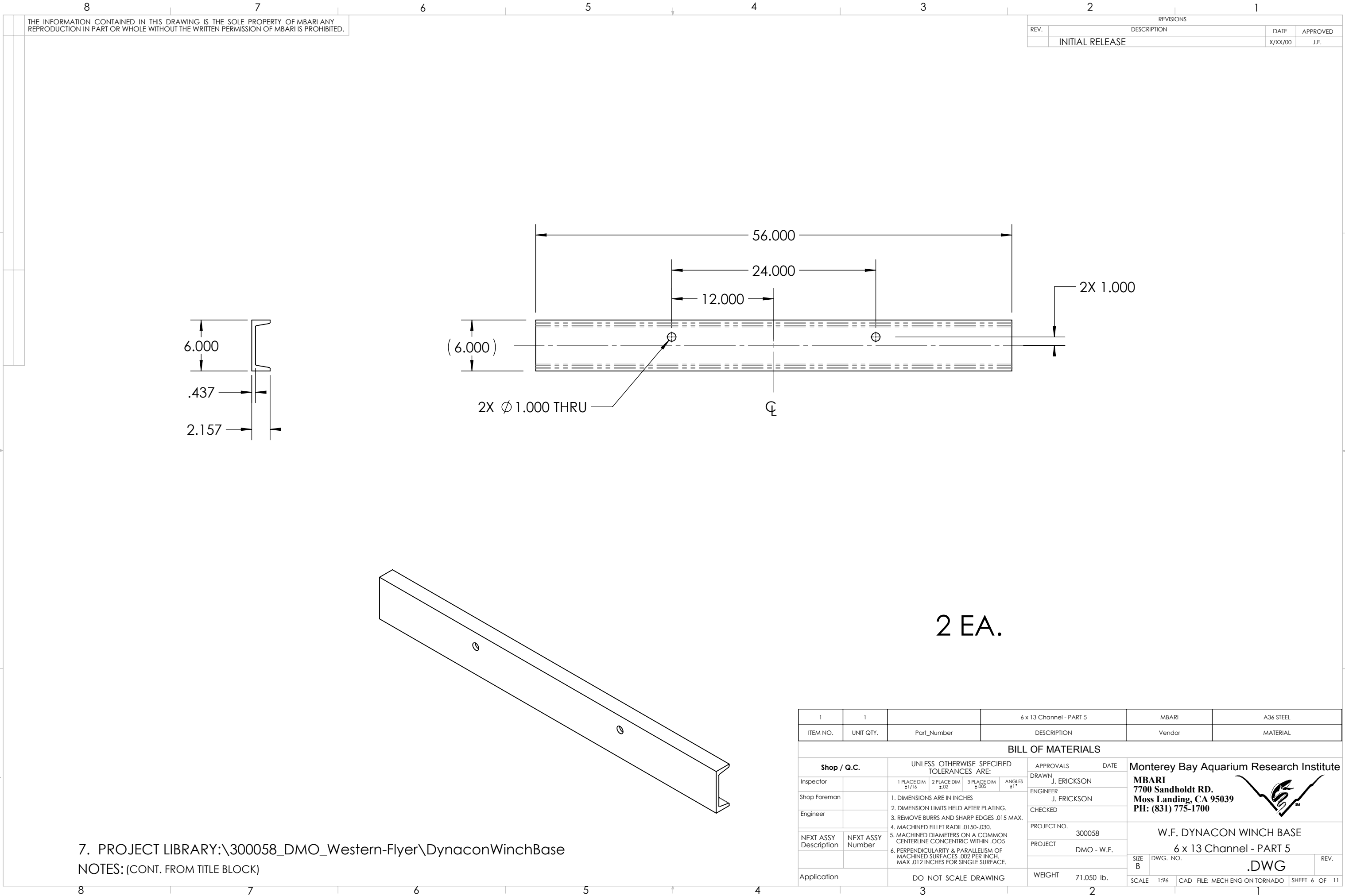
7. PROJECT LIBRARY:\300058_DMO_Western-Flyer\DynaconWinchBase

NOTES: (CONT. FROM TITLE BLOCK)

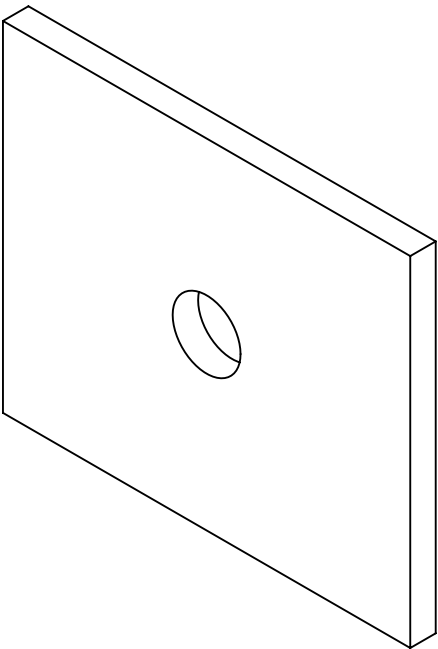
6	4		Foot Tab Weldment		MBARI	ASTM A36 Steel
5	2		6 x 13 Channel - PART 5		MBARI	A36 STEEL
4	10		1 INCH - 12		McMASTER-CARR	304 S.S.
3	14		Channel Gusset			A36 STEEL PLATE
2	2		6 x 13 CHANNEL - PART 1			A36 STEEL
1	8		Winch Frame Foot Plate			A36 STEEL
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS											
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON				
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	J. ERICKSON				
Engineer						CHECKED					
						PROJECT NO.	300058				
NEXT ASSY Description	NEXT ASSY Number					PROJECT	DMO - W.F.				
Application		DO NOT SCALE DRAWING				WEIGHT	407.738 lb.				
						Monterey Bay Aquarium Research Institute					
						MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700					
											
						W.F. DYNACON WINCH BASE					
						Dynacon Winch Base Assembly					
						SIZE B	DWG. NO.		REV.		
						A-201xxx-14.DWG					
						SCALE	1:96	CAD FILE: MECH ENG ON TORNADO		SHEET 4 OF 11	





REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



Ø 1.000 THRU

	1		Winch Frame Foot Plate		A36 STEEL
ITEM NO.	QTY.	Part Number	DESCRIPTION	Vendor	MATERIAL

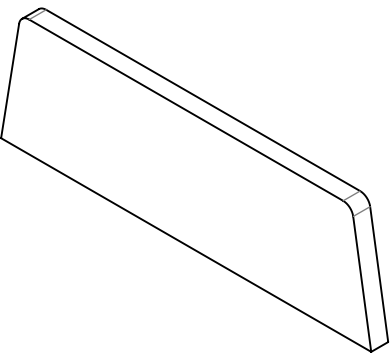
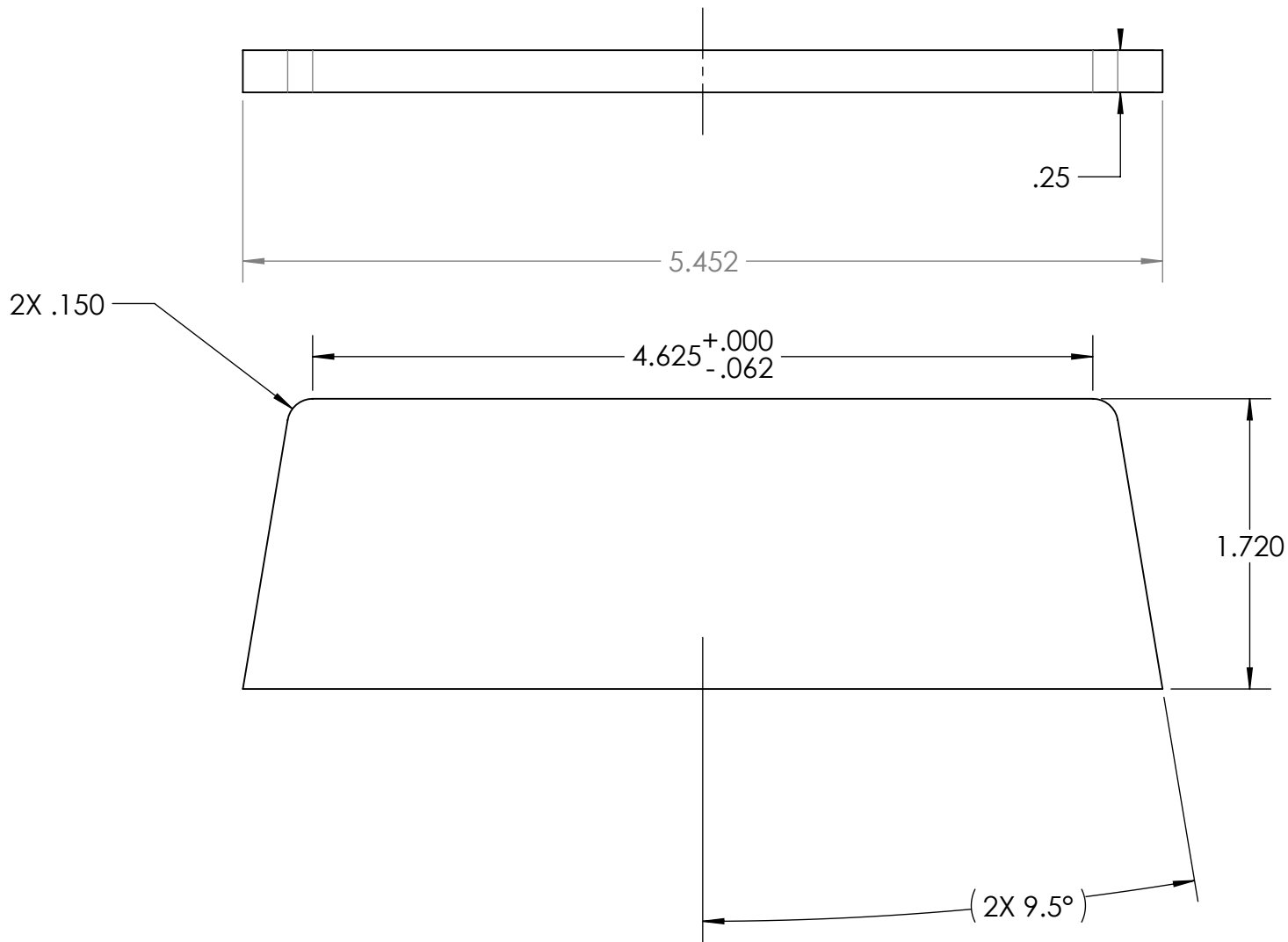
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Engineer					
NEXT ASSY Description	NEXT ASSY Number				
		PROJECT NO.		300058	
		PROJECT		DMO - W.F.	
Application		DO NOT SCALE DRAWING		WEIGHT 3.107 lb.	

Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700					
W.F. DYNACON WINCH BASE Winch Frame Foot Plate					
SIZE B DWG. NO. .DWG REV.					
SCALE 1:96		CAD FILE: MECH ENG ON TORNADO		SHEET 7 OF 11	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



14 EA.

	1			Channel Gusset		A36 STEEL PLATE	
ITEM NO.	QTY.	Part Number		DESCRIPTION	Vendor	MATERIAL	
BILL OF MATERIALS							
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Shop Foreman		1. DIMENSIONS ARE IN INCHES					
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.					
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.					
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.				PROJECT NO.	W.F. DYNACON WINCH BASE
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT 300058	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX. .012 INCHES FOR SINGLE SURFACE.				PROJECT DMO - W.F.	
Application		DO NOT SCALE DRAWING			WEIGHT 0.629 lb.	SIZE B DWG. NO. SCALE 1:96 Channel Gusset .DWG CAD FILE: MECH ENG ON TORNADO REV. SHEET 8 OF 11	

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