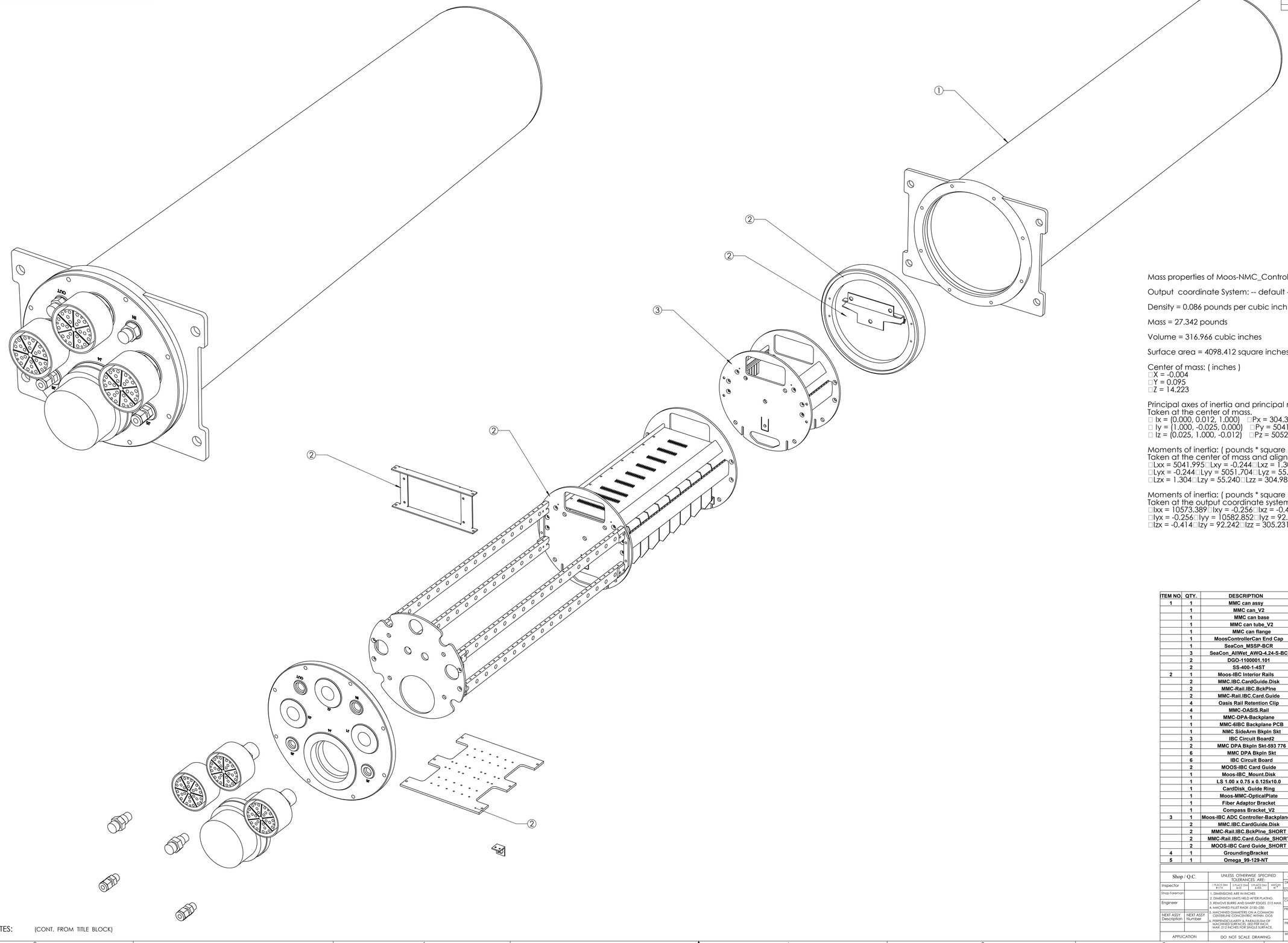
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	XX/XX/02	J.E.



Mass properties of Moos-NMC_ControlCan_Assem (Assembly Configuration - Default)

Output coordinate System: -- default --

Density = 0.086 pounds per cubic inch

Mass = 27.342 pounds

Volume = 316.966 cubic inches

Surface area = 4098.412 square inches

Center of mass: (inches)
□X = -0.004
□Y = 0.095
□Z = 14.223

Principal axes of inertia and principal moments of inertia: (pounds * square inches)
Taken at the center of mass.
□ Ix = (0.000, 0.012, 1.000) □Px = 304.340
□ Iy = (1.000, -0.025, 0.000) □Py = 5041.989
□ Iz = (0.025, 1.000, -0.012) □Pz = 5052.354

Moments of inertia: (pounds * square inches)
Taken at the center of mass and aligned with the output coordinate system.
□Lxx = 5041.995□Lxy = -0.244□Lxz = 1.304
□Lyx = -0.244□Lyy = 5051.704□Lyz = 55.240
□Lzx = 1.304□Lzy = 55.240□Lzz = 304.983

Moments of inertia: (pounds * square inches)
Taken at the output coordinate system.
□Ixx = 10573.389□Ixy = -0.256□Ixz = -0.414
□Iyx = -0.256□Iyy = 10582.852□Iyz = 92.242
□Izx = -0.414□Izy = 92.242□Izz = 305.231

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	1	MMC can assy			
	1	MMC can_V2	1001465.DWG		
	1	MMC can base	1001462.DWG		Aluminum 6061-T6
	1	MMC can tube_V2	1001459.DWG		Aluminum 6061-T6
	1	MMC can flange	1001463.DWG		Aluminum 6061-T6
	1	MoosControllerCan End Cap	1001569.DWG		Aluminum 6061-T6
	1	SeaCon_MSSP-BCR	MSSP-BCR	SEACON	
	3	SeaCon_AllWet_AWQ-4.24-S-BC	AWQ-4.24-S-BC	SEACON	
	2	DGO-1100001.101	DGO-1100001.101	D.G. O'BRIEN	
	2	SS-400-1-4ST	SS-400-1-4ST	SWAGELOK	
2	1	Moos-IBC Interior Rails			
	2	MMC.IBC.CardGuide.Disk	101266.DWG		Aluminum 5052-T0
	2	MMC-Rail.IBC.BckPlne	WHOI 00940		Aluminum 6061-T6
	2	MMC-Rail.IBC.Card.Guide	WHOI 00941		Aluminum 6061-T6
	4	Oasis Rail Retention Clip	101272.DWG		Aluminum 6061-T6
	4	MMC-OASIS.Rail	101270.DWG		Aluminum 6061-T6
	1	MMC-DPA-Backplane			
	1	MMC-6IBC Backplane PCB	1002073ASY-2.50		
	1	NMC SideArm Bkpln Skt			
	3	IBC Circuit Board2			
	2	MMC DPA Bkpln Skt-593 776			
	6	MMC DPA Bkpln Skt			
	6	IBC Circuit Board			
	2	MOOS-IBC Card Guide	WHOI 00441		DELRIN
	1	Moos-IBC_Mount.Disk	1001568.DWG		Aluminum 6061-T6
	1	LS 1.00 x 0.75 x 0.125x10.0	1001786.DWG		Aluminum 6061-T6
	1	CardDisk_Guide Ring	1002254.DWG		UHMW P.E.
	1	Moos-MMC-OpticalPlate	101266.DWG		Aluminum 6061-T6
	1	Fiber Adaptor Bracket	3434116A63		6063-T52
	1	Compass Bracket_V2	1002248.DWG		5052-H0 ALUMINUM
3	1	Moos-IBC ADC Controller-Backplane			
	2	MMC.IBC.CardGuide.Disk	101266.DWG		Aluminum 5052-T0
	2	MMC-Rail.IBC.BckPlne_SHORT	WHOI 00940		Aluminum 6061-T6
	2	MMC-Rail.IBC.Card.Guide_SHORT	WHOI 00941		Aluminum 6061-T6
	2	MOOS-IBC Card Guide_SHORT	WHOI 00441		DELRIN
4	1	GroundingBracket			
5	1	Omega_99-129-NT			

BILL OF MATERIALS

Shop / Q.C.

Inspector

Shop Foreman

Engineer

NEXT ASSY Description | NEXT ASSY Number

APPLICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
1 PLACE DIM ± 1/16 | 2 PLACE DIM ± 0.02 | 3 PLACE DIM ± 0.005 | ANGLES ± 1°
1. DIMENSIONS ARE IN INCHES
2. DIMENSION LIMITS HELD AFTER PLATING.
3. REMOVE BURRS AND SHARP EDGES .015 MAX.
4. MACHINED FILLET RADII .015/-.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.

DO NOT SCALE DRAWING

APPROVALS DATE
DRAWN J. ERICKSON 8/26/02
ENGINEER J. ERICKSON 8/26/02
CHECKED
PROJECT NO. 600027
PROJECT MOOS MOORING
WEIGHT

Monterey Bay Aquarium Research Institute

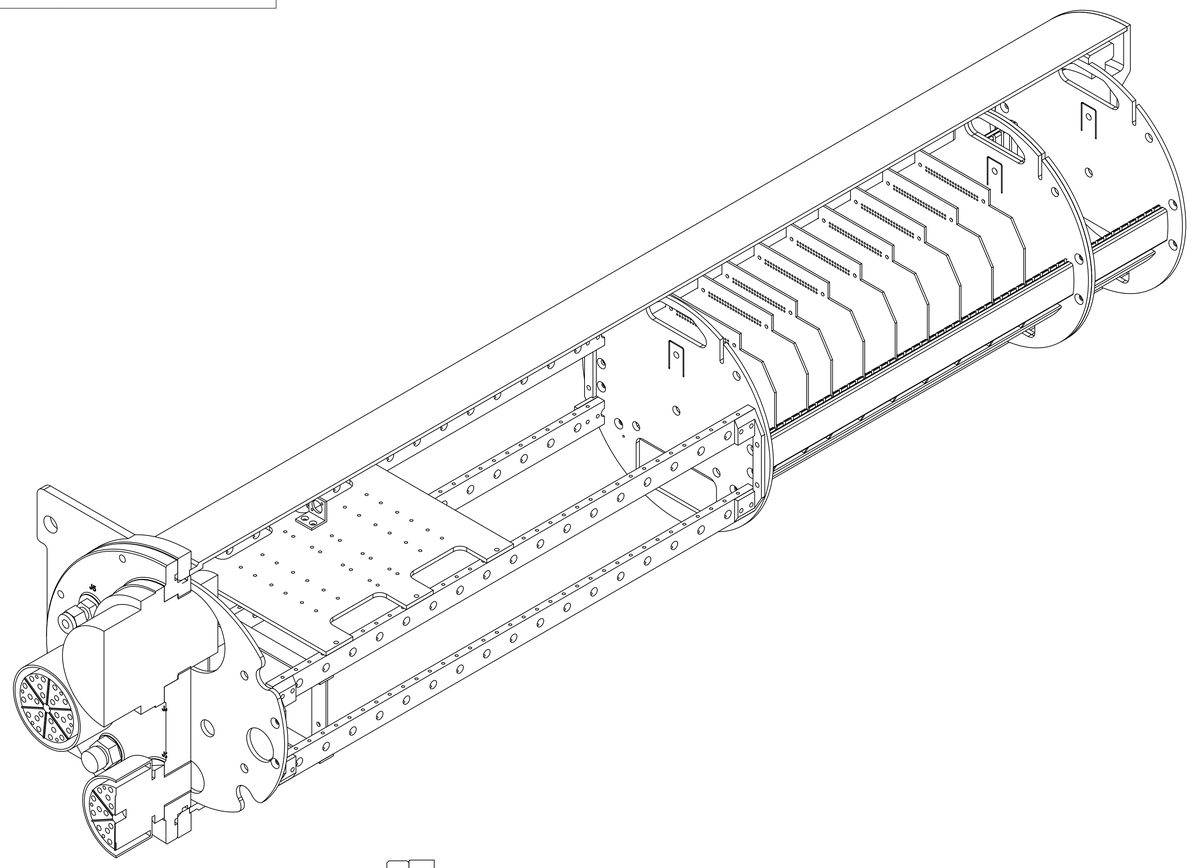
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700

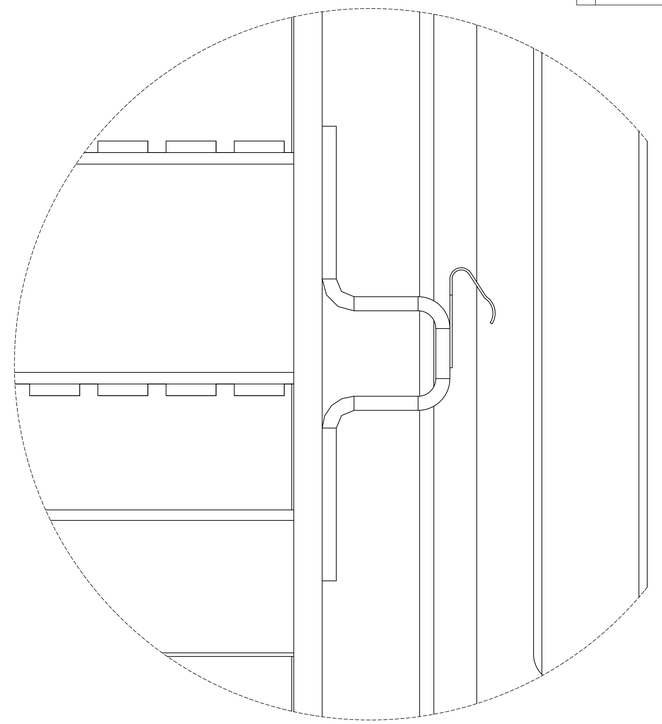
MOOS MOORING BUOY
Moos-NMC_ControlCan_Assem

SIZE D | DWG. NO. 1001596.DWG | REV.
SCALE | CAD FILE: MECH\ENG ON TORNADO | SHEET 1 OF 2

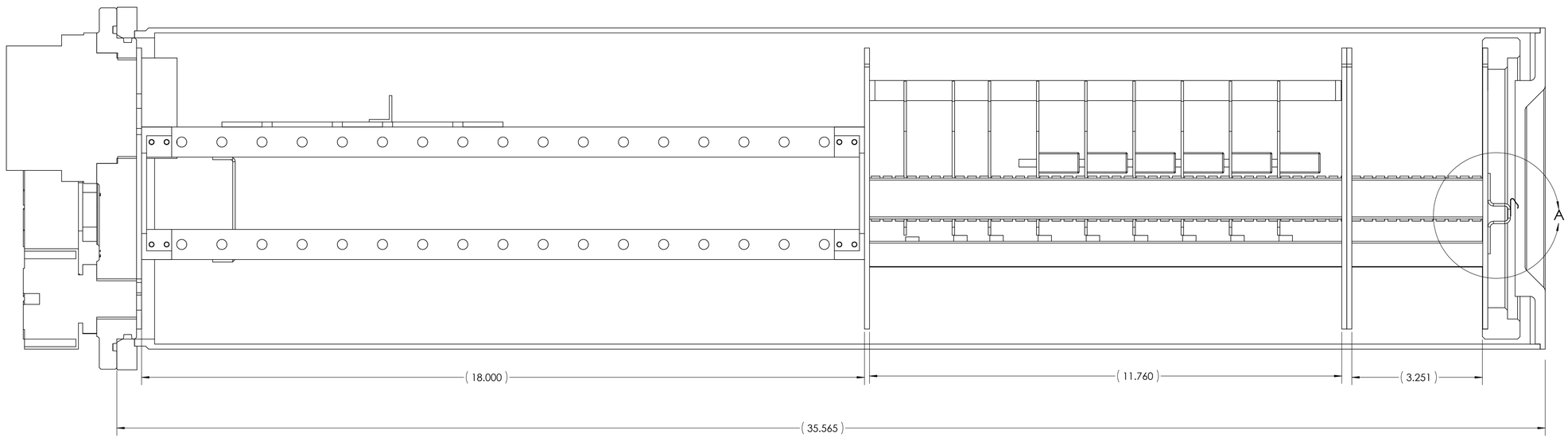
NOTES: (CONT. FROM TITLE BLOCK)

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





DETAIL A
SCALE 3 : 1



NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±1.0	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON	X/XX/00
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER J. ERICKSON	X/XX/00
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.					
		4. MACHINED FILLET RADII .015-.030.				PROJECT NO.	600027
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT	MOOS
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				WEIGHT	
APPLICATION		DO NOT SCALE DRAWING					

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MOOS MOORING BUOY
Moos-NMC_ControlCan_Assem

SIZE	DWG. NO.	REV.
D	1001596.DWG	

SCALE | CAD FILE: MECH ENG ON TORNADO | SHEET 2 OF 2