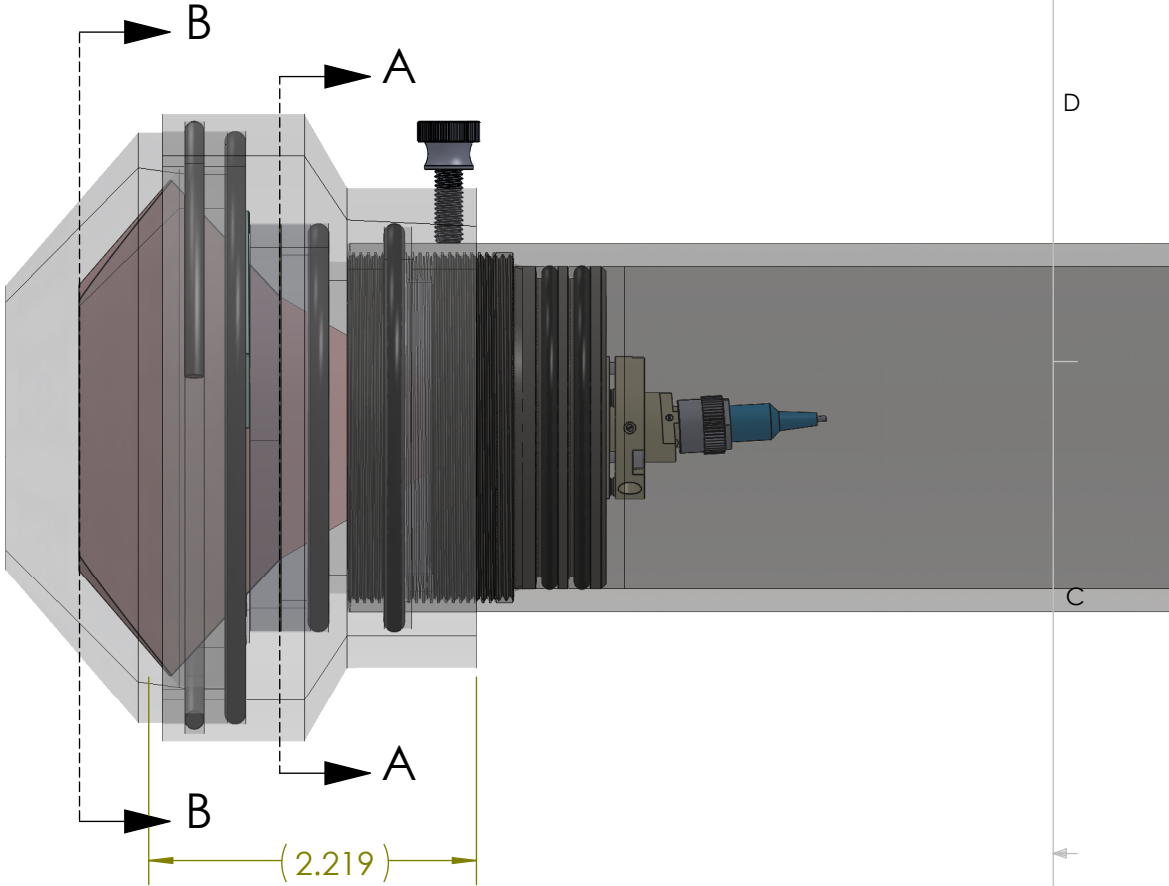
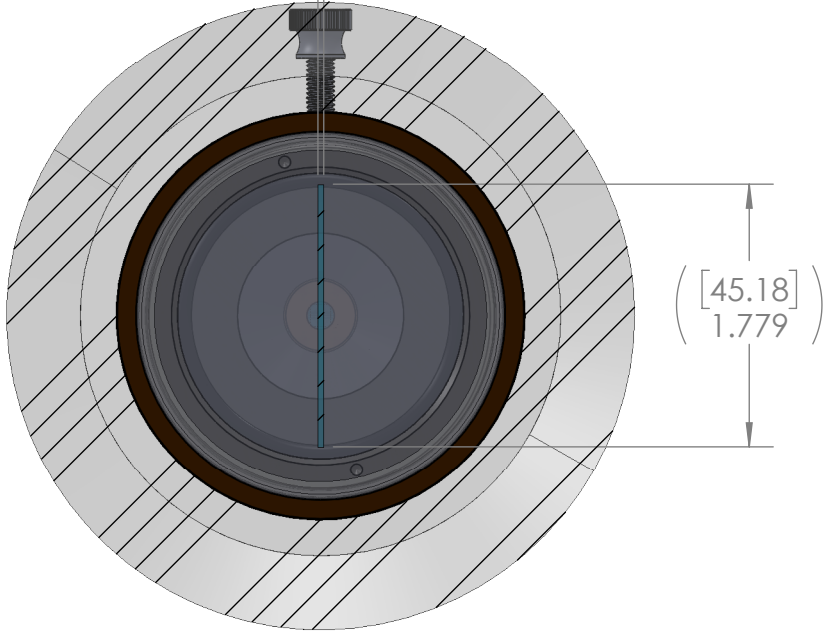
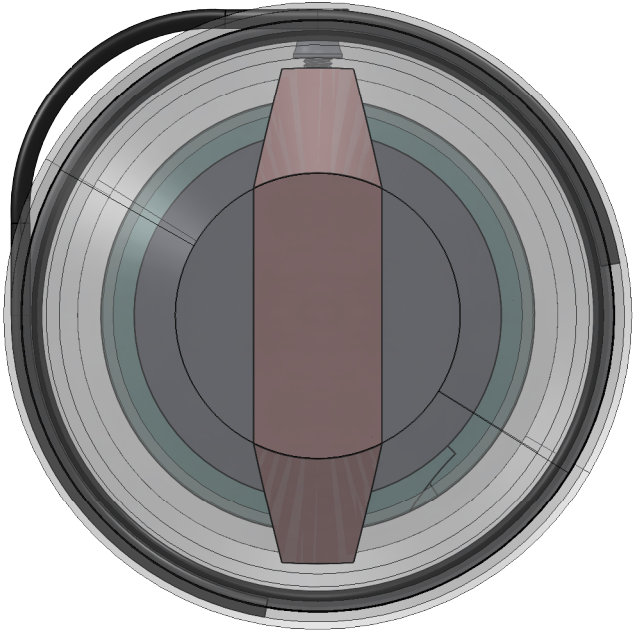


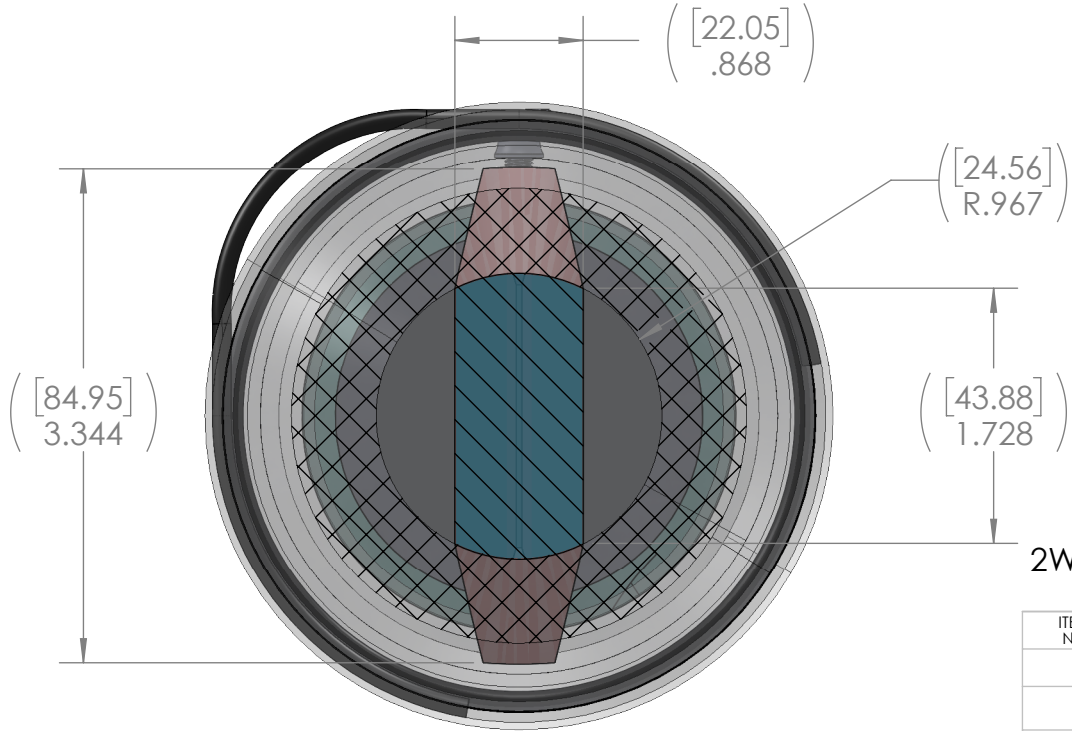
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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

$2W/.4518\text{cm}^2 = 4.4 \text{ w/cm}^2 = 44,000 \text{ W/m}^2$



SECTION A-A
SCALE 1 : 1.3



$2W/ (.001023+.000402+.000402\text{m}^2) = 1,095\text{w/m}^2$

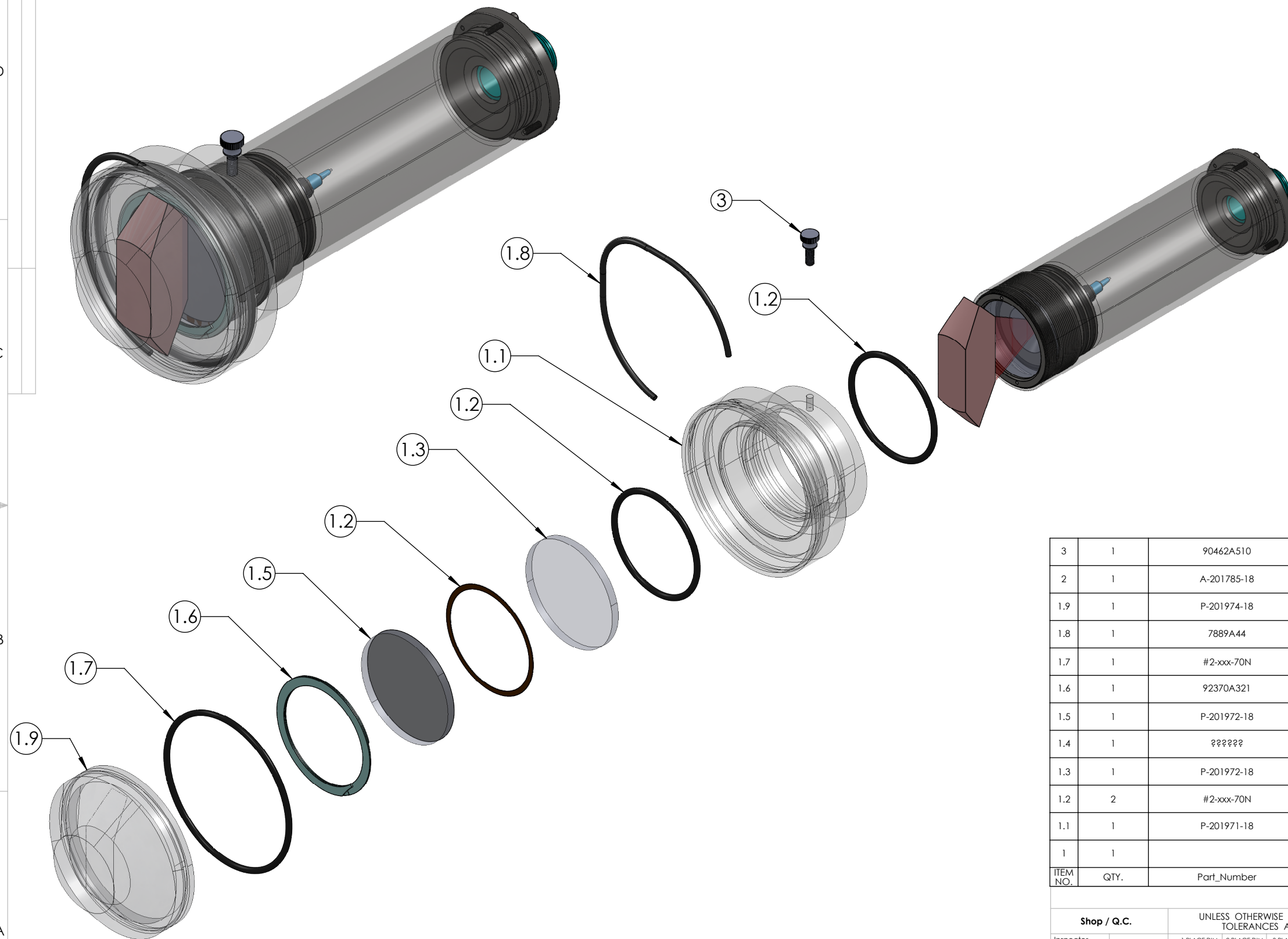
SECTION B-B
SCALE 1 : 1.3

NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
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			
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.			
		4. MACHINED FILLET RADII .0150-.030.			
NEXT ASSY Description	NEXT ASSY Number	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.			
Application		DO NOT SCALE DRAWING		WEIGHT	
				DRAWN J. ERICKSON	
				ENGINEER J. ERICKSON	
				CHECKED	
PROJECT NO.				PROJECT NAME	
PROJECT ZZZZZZZZ				PROJECT NAME	
SIZE B				DWG. NO. .DWG	
SCALE 1:4				REV.	
CAD FILE: MECH ENG ON TORNADO				SHEET 1 OF 2	

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



3	1	90462A510	# 10-32 x 1/2_Nylon Thumb Screw		McMaster-Carr	Nylon (Glass Filled)
2	1	A-201785-18	Remote Laser Head Assembly V4		MBARI	
1.9	1	P-201974-18	Safety Cap Diffuser		MBARI	PE UHMW
1.8	1	7889A44	Torpedo Lock, welding rod		McMaster-Carr	Polypropylene 1/8 x 5.875
1.7	1	#2-xxx-70N	O-RING			BUNA - N
1.6	1	92370A321	Internal Retaining Ring, 18-8 S.S., 2-3/4" ID		McMaster-Carr	AISI 304
1.5	1	P-201972-18	Frosted Glass Diffuser (1 Side)		MBARI	BK-7 Glass
1.4	1	??????	Kapton Polyimide Tape		McMaster-Carr	Polyimide
1.3	1	P-201972-18	Clear Glass Cover		MBARI	Borosilicate Glass
1.2	2	#2-xxx-70N	O-RING			BUNA - N
1.1	1	P-201971-18	Remote Head Safety Cap (diffuser)		MBARI	POM Delrin (Black)
1	1		Safety Cap Diffuser Assembly			
ITEM NO.	QTY.	Part Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON				MBARI 7700 Sandholdt Rd. Moss Landing, CA 95039 PH: (831) 775-1700 			
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. XXX						PROJECT NAME			
				PROJECT ZZZZZZZZ									
Application		DO NOT SCALE DRAWING				WEIGHT lb.				SIZE B	DWG. NO. .DWG	REV.	
										SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2	

NOTES: (CONT. FROM TITLE BLOCK)