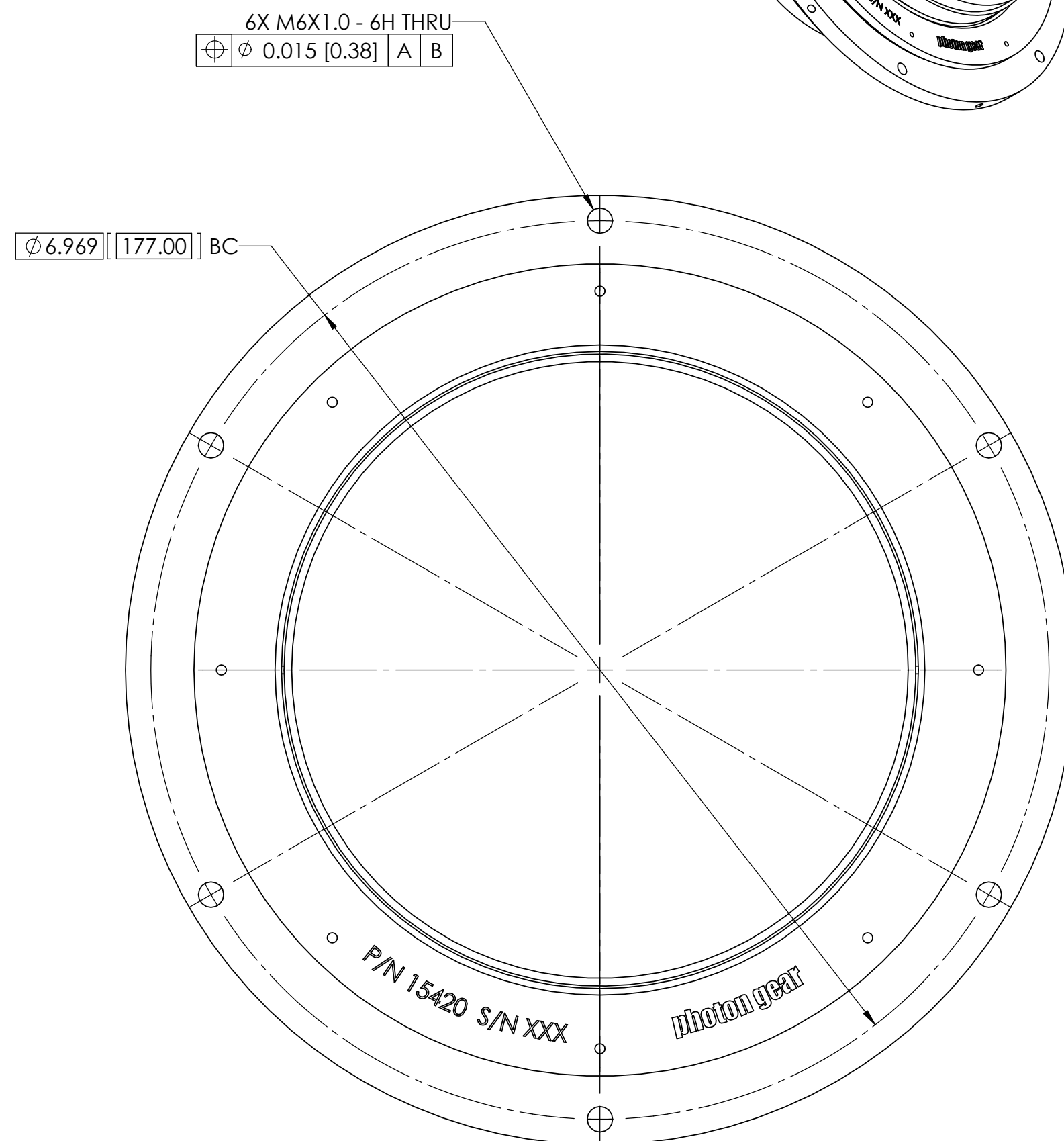
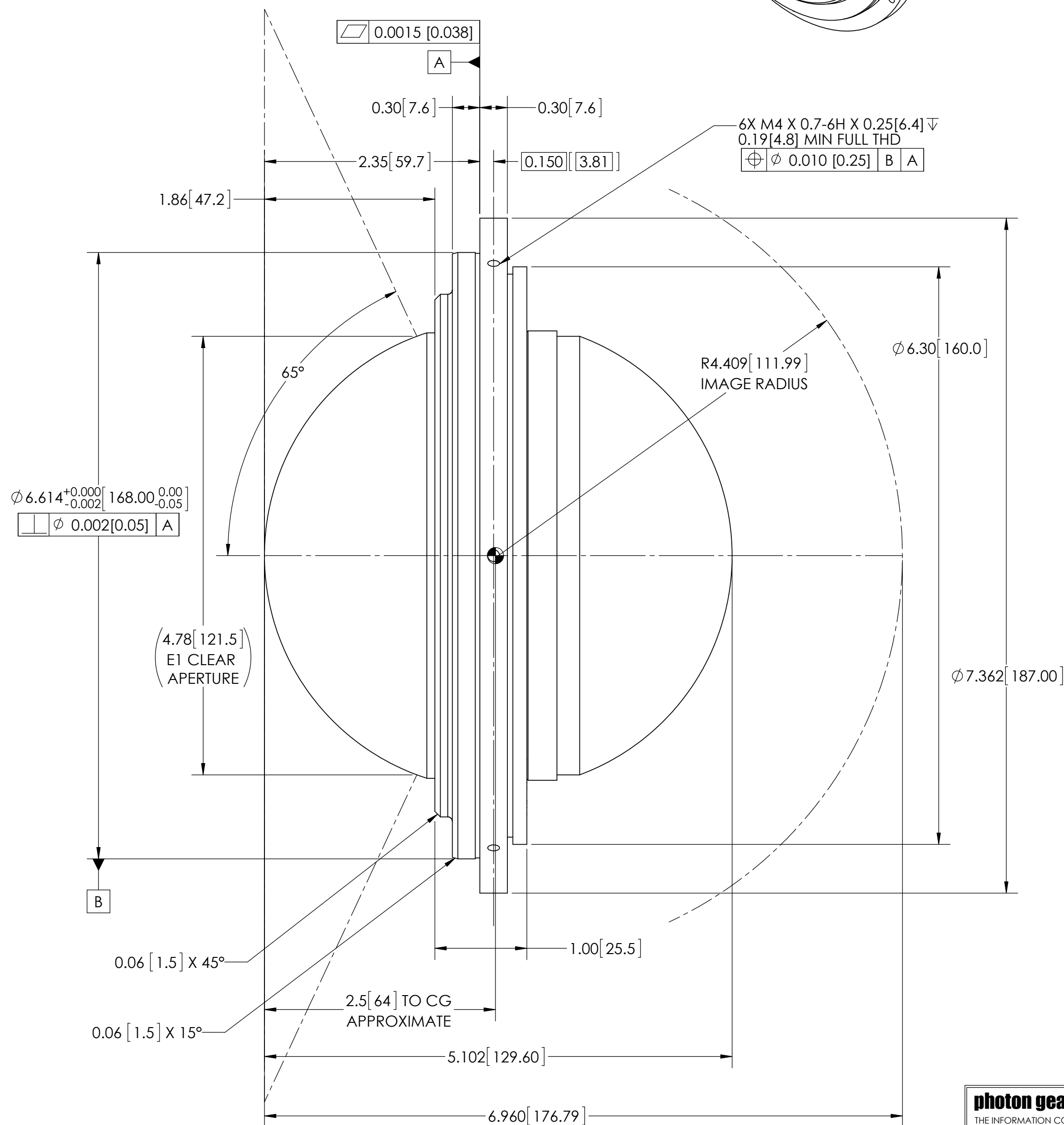
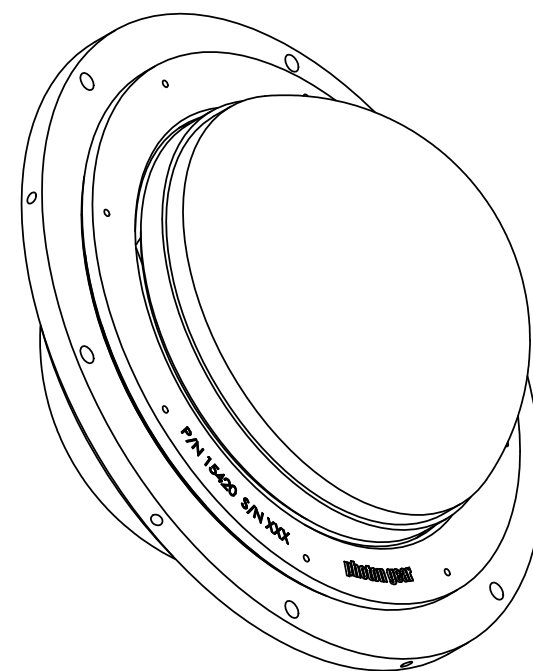
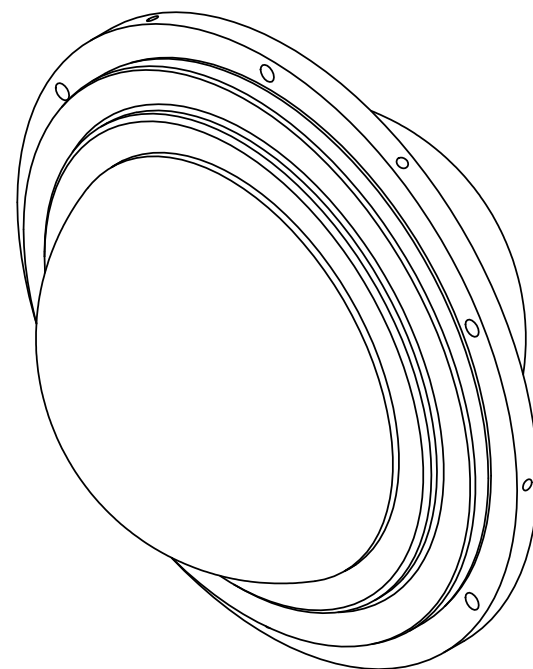


NOTES:

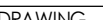
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE FOR REFERENCE ONLY
2. DIMENSIONS IN [ ] ARE IN MILLIMETERS, ALL OTHER DIMENSIONS ARE IN INCHES
3. OPERATING WAVELENGTH: 450-700nm
4. MECHANICAL COMPONENTS MATERIALS ALUMINUM/BLACK ANODIZE
5. OPTICAL DESIGN FILE SUPPLIED BY CUSTOMER
6. ENTRANCE PUPIL DIAMETER: 20 mm (VIGNETTED ACROSS FOV)
7. TEST WAVELENGTH: 632nm
8. f/#: 5.6
9. FOV:  $\pm 65^\circ$
10. EFL: 112.05 mm
11. TARGET TRANSMISSION:  $\geq 95\%$  @ 632nm FOR TEST
12. TARGET TRANSMITTED OPD:  $\leq 0.18 \lambda$  RMS
13. THIS ASSEMBLY DOES NOT CONTAIN A MECHANICAL APERTURE
14. APPROXIMATE ASSEMBLY WEIGHT: 9.4 LB [4.3 kg]

420-S		REV B	SHEET 1	3		2		1	
REVISIONS									
ZONE	REV.	DESCRIPTION				DATE	ECO	APPROVED	
E5	A	6X M4X0.7 WERE 6X M6X1.0				10/24/2011		GB 10/24/11	
	B	ADD APPROXIMATE CG LOCATION, ASSEMBLY WEIGHT UPDATE NOTES WITH TEST INFORMATION				3/20/2012	0360	BLC 03/20/12	



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FINISH:		MATERIAL:		SIZE C		DWG. NO. 15420-S				REV. B											
UOS TOLERANCES: .X     ±.02 .XX    ±.01 .XXX   ±.005 ANGLES   ±1°		UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES BREAK SHARP EDGES: 0.005x45° MAX FILLET RADIUS: 0.008 DIMENSIONS APPLY AFTER FINISH SURFACE FINISH 32/		PROJ. 380		TITLE: SYSTEM, GIGAGON, 10 GP BALL LENS															
DO NOT SCALE DRAWING				<table><tr><td>NAME</td><td>DATE</td></tr><tr><td>BLC</td><td>09/30/11</td></tr></table>		NAME	DATE	BLC	09/30/11	<div>photon gear, inc.</div> <div>245 David Parkway, Ontario, New York 14519 Tel: 585-265-3360   Fax: 585-265-3364</div> <table><tr><td>WEIGHT</td><td>lbs</td><td>SHEET</td><td>1 OF 1</td><td>SCALE</td><td>1:1</td></tr></table>						WEIGHT	lbs	SHEET	1 OF 1	SCALE	1:1
NAME	DATE																				
BLC	09/30/11																				
WEIGHT	lbs	SHEET	1 OF 1	SCALE	1:1																
THIRD ANGLE PROJECTION				<table><tr><td>DRAWN</td><td></td></tr><tr><td>CHECKED</td><td></td></tr><tr><td>ENG APPR.</td><td></td></tr><tr><td>MFG APPR.</td><td></td></tr></table>		DRAWN		CHECKED		ENG APPR.		MFG APPR.									
DRAWN																					
CHECKED																					
ENG APPR.																					
MFG APPR.																					
INTERPRET DRAWING PER ASME Y14.5M-1994 FILE: PG-15420-S_B																					