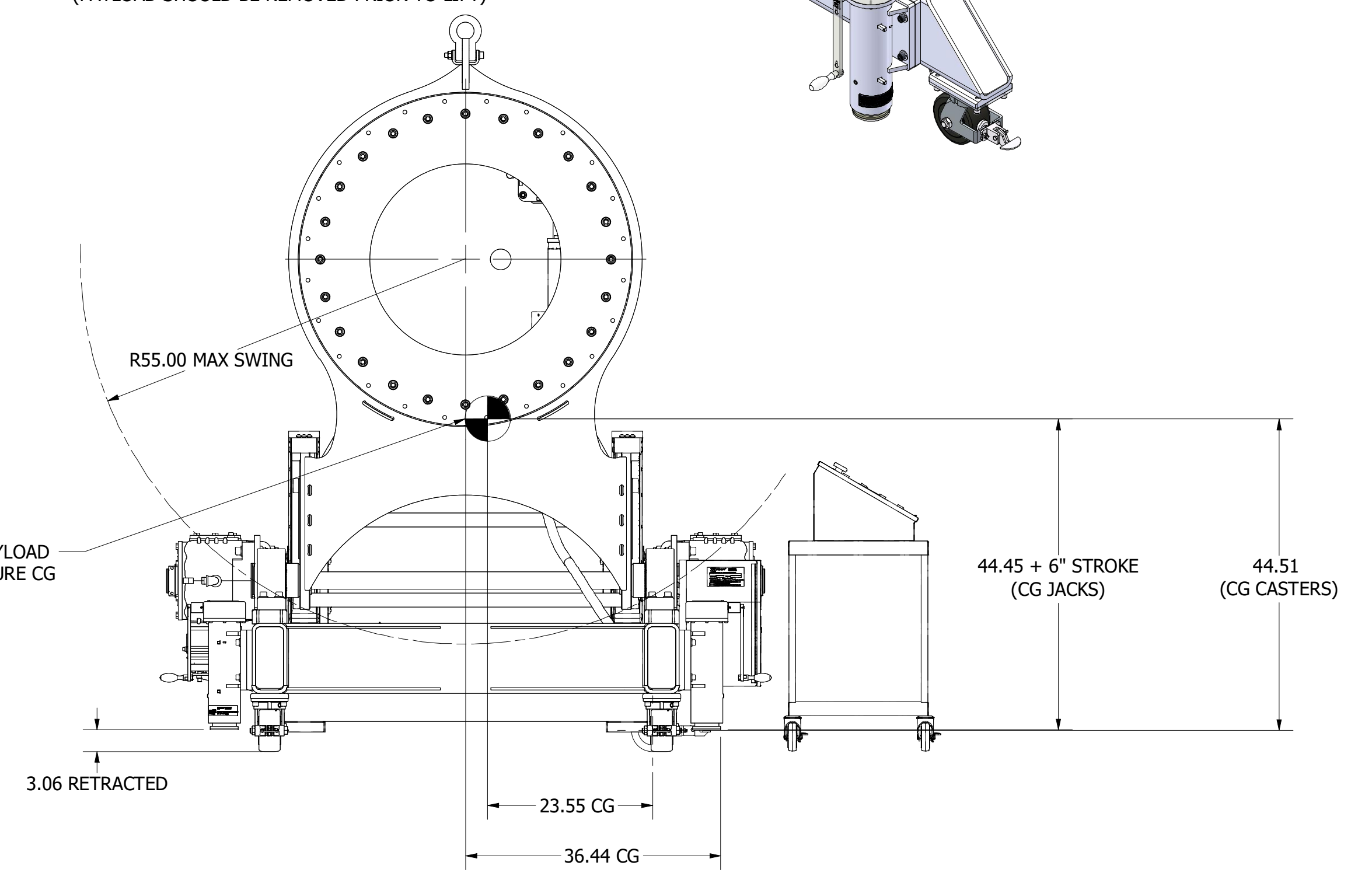
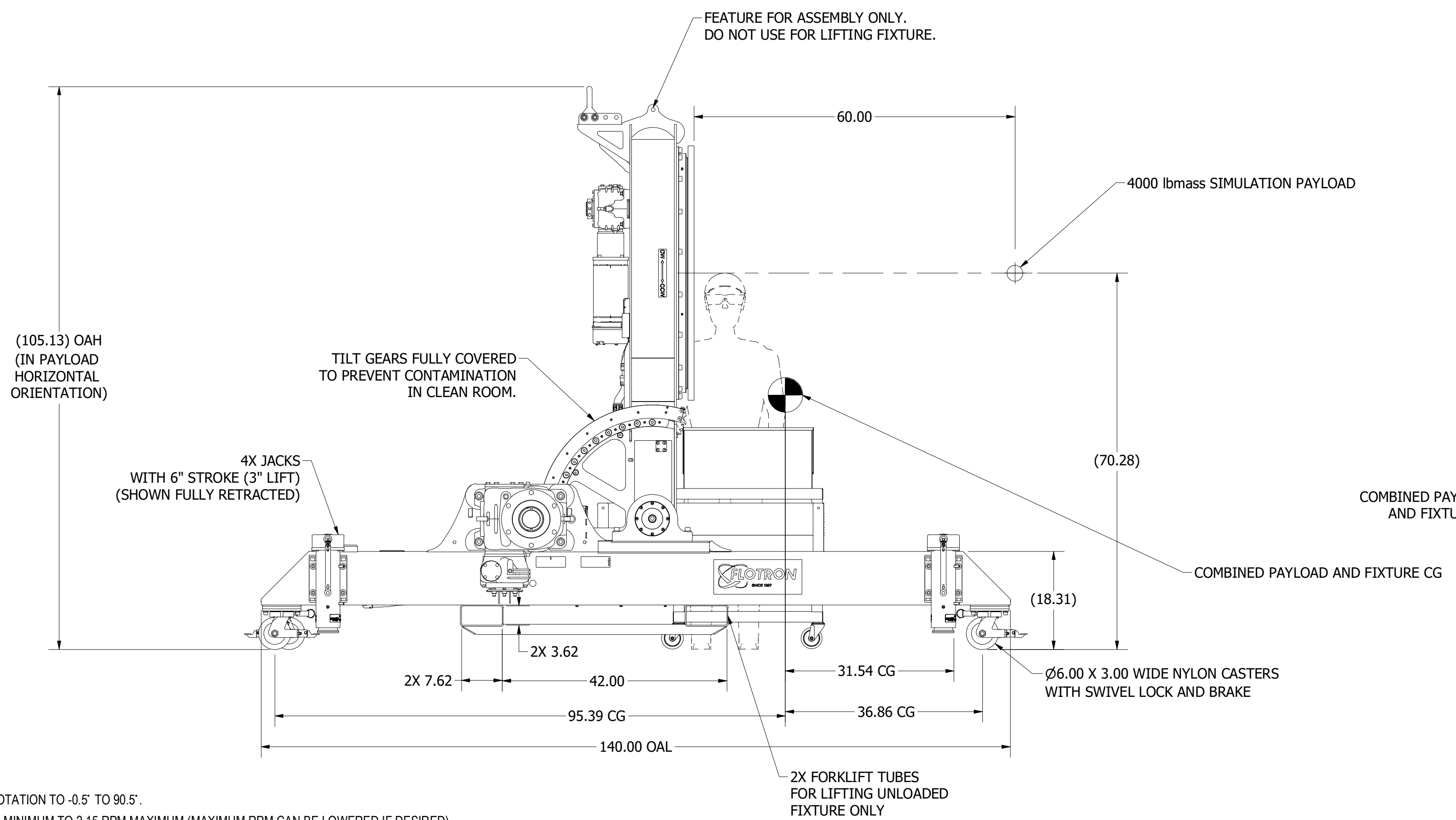
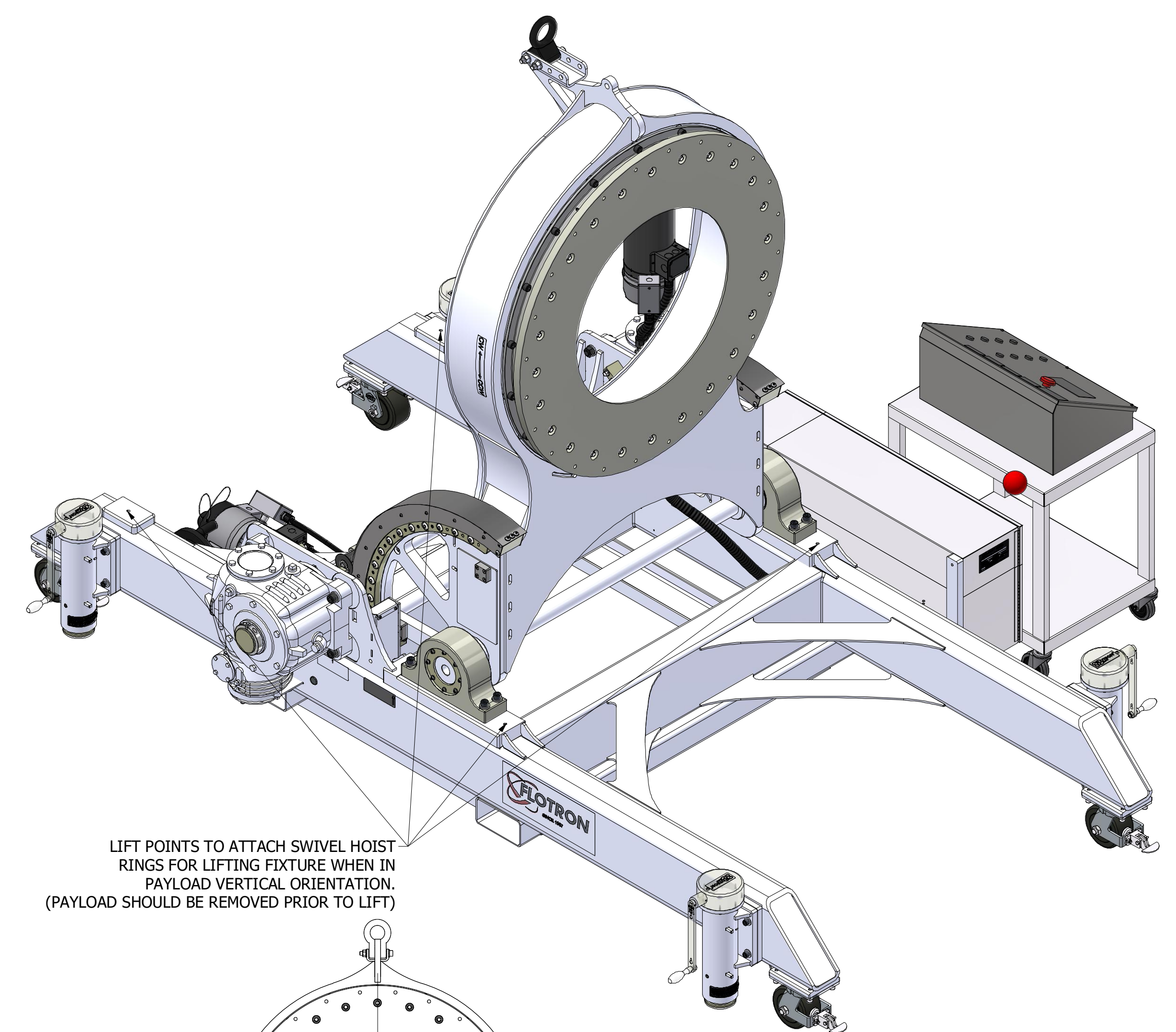


TILT MOTOR INCLUDES A BACKUP SAFETY BRAKE ON THE MOTOR TO PREVENT CREEP DURING MOTOR OFF PERIODS. THE MOTOR COVER CAN BE REMOVED, THE BRAKE DISENGAGED, AND THE MOTOR DRIVEN WITH A HAND DRILL OR HANDWHEEL.



7. OVER-TRAVEL SENSORS TO LIMIT ROTATION TO -0.5° TO 90.5°.
6. INTERFACE ROTATE SPEED: .43 RPM MINIMUM TO 2.15 RPM MAXIMUM (MAXIMUM RPM CAN BE LOWERED IF DESIRED)
5. TILT SPEED: 0.010 RPM MINIMUM TO .101 RPM MAXIMUM (2.5 MINUTES MINIMUM TO ROTATE 90°)
4. ELECTRICAL DETAILS DEPEND ON CUSTOMER REQUIREMENTS.
3. FINISHES: CLEAN ROOM COMPATIBLE FINISHES "C" FINISH- SKY WHITE POWDER COATED END FRAMES, GEARBOX PAINTED GLOSS WHITE EPOXY, NICKEL PLATED COMPONENTS (NO ZINC), STAINLESS STEEL FASTENERS AND MISC. HARDWARE. KRYTOX GPL 207 LUBRICANT ON CASTERS.
2. LOAD RATING: 4,000 LBS @ 5.0" MAX ECCENTRICITY & CANTILEVERED 60° FROM INTERFACE CONSIDERING A SIMULTANEOUS 1/2G SIDE LOAD (WORST CASE DIRECTION) AND A 1G VERTICAL LOAD. SFy=3 & SFult=5.
1. WEIGHT IN TITLE BLOCK INCLUDES 4,000 LB PAYLOAD.
- NOTES:

LONGITUDINAL STABILITY ON CASTERS WITH PAYLOAD HORIZONTAL: $35.73 / 45.32 = .78G$

LONGITUDINAL STABILITY ON JACKS WITH PAYLOAD HORIZONTAL: $30.41 / 51.26 = .59G$

LATERAL STABILITY ON CASTERS WITH PAYLOAD HORIZONTAL: $24.10 / 45.32 = .53G$

LATERAL STABILITY ON JACKS WITH PAYLOAD HORIZONTAL: $36.38 / 51.26 = .70G$

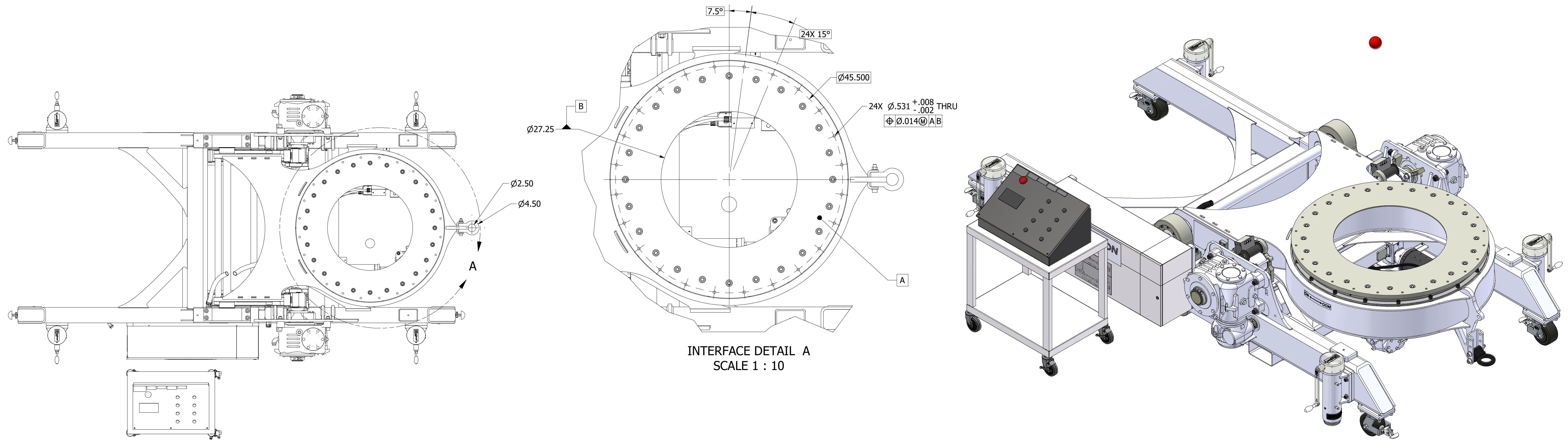
PROPRIETARY
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
LINEAR TOLERANCES: ±.03 ±.010 ±.005
ANGULAR TOLERANCES: ±5° ±.004
DO NOT SCALE DRAWING INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018 INTERPRET DWG. PER ASME Y14.100

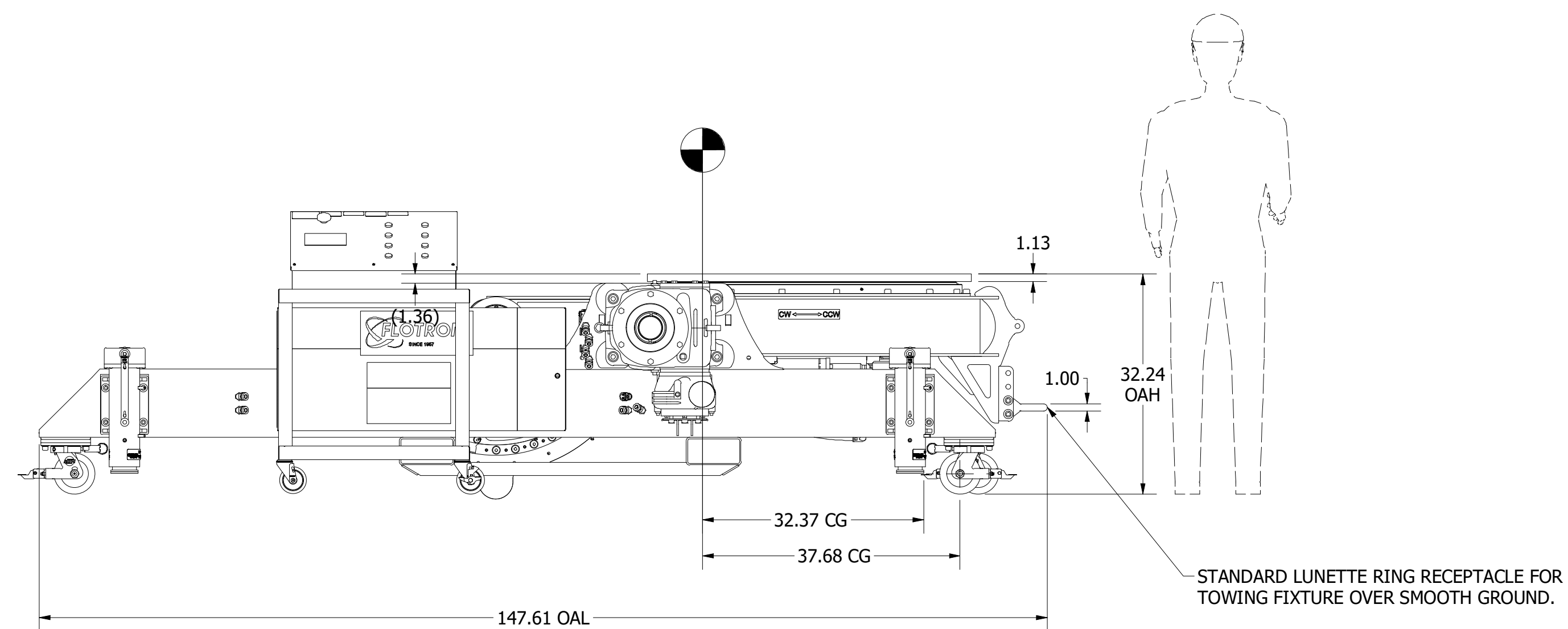
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4,000 LB TILT / ROTATE POSITIONER

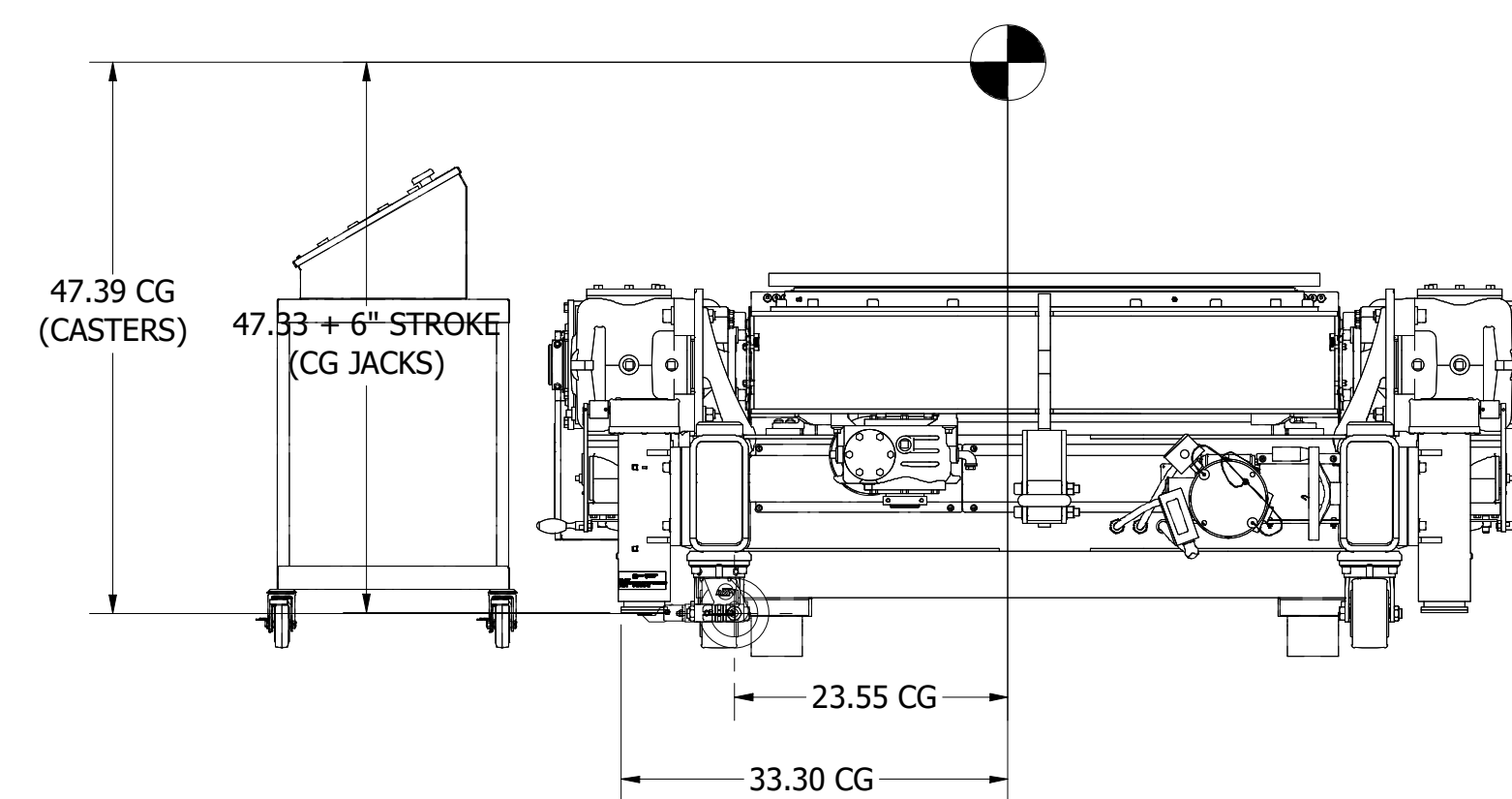
SCALE	SIZE	DRAWING NO.
1 : 16	D	8128-400PROP
WT: 9237.2 lbmass	Cad software: Inventor	SHEET 1 OF 2



INTERFACE DETAIL A
SCALE 1 : 10



STANDARD LUNETTE RING RECEPTACLE FOR TOWING FIXTURE OVER SMOOTH GROUND.



LONGITUDINAL STABILITY ON CASTERS WITH PAYLOAD VERTICAL: $31.53 / 48.80 = .64G$
 LONGITUDINAL STABILITY ON JACKS WITH PAYLOAD VERTICAL: $36.84 / 54.73 = .67G$
 LATERAL STABILITY ON CASTERS WITH PAYLOAD VERTICAL: $24.10 / 48.80 = .49G$
 LATERAL STABILITY ON JACKS AT MAX STROKE WITH PAYLOAD VERTICAL: $33.80 / 54.73 = .61G$

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		SCALE 1 : 16	SIZE D
DRAWING NO. 8128-400PROP		REV -	
SHEET 2 OF 2			