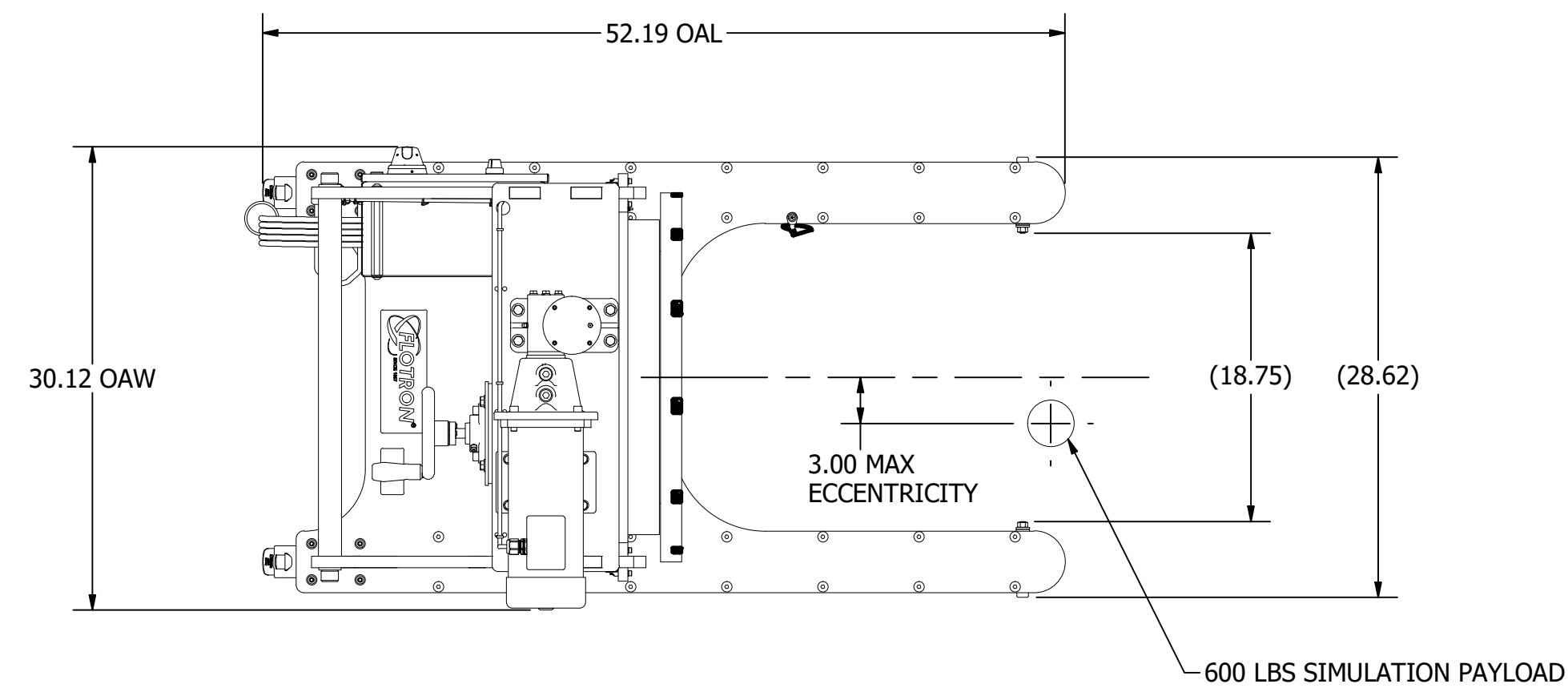
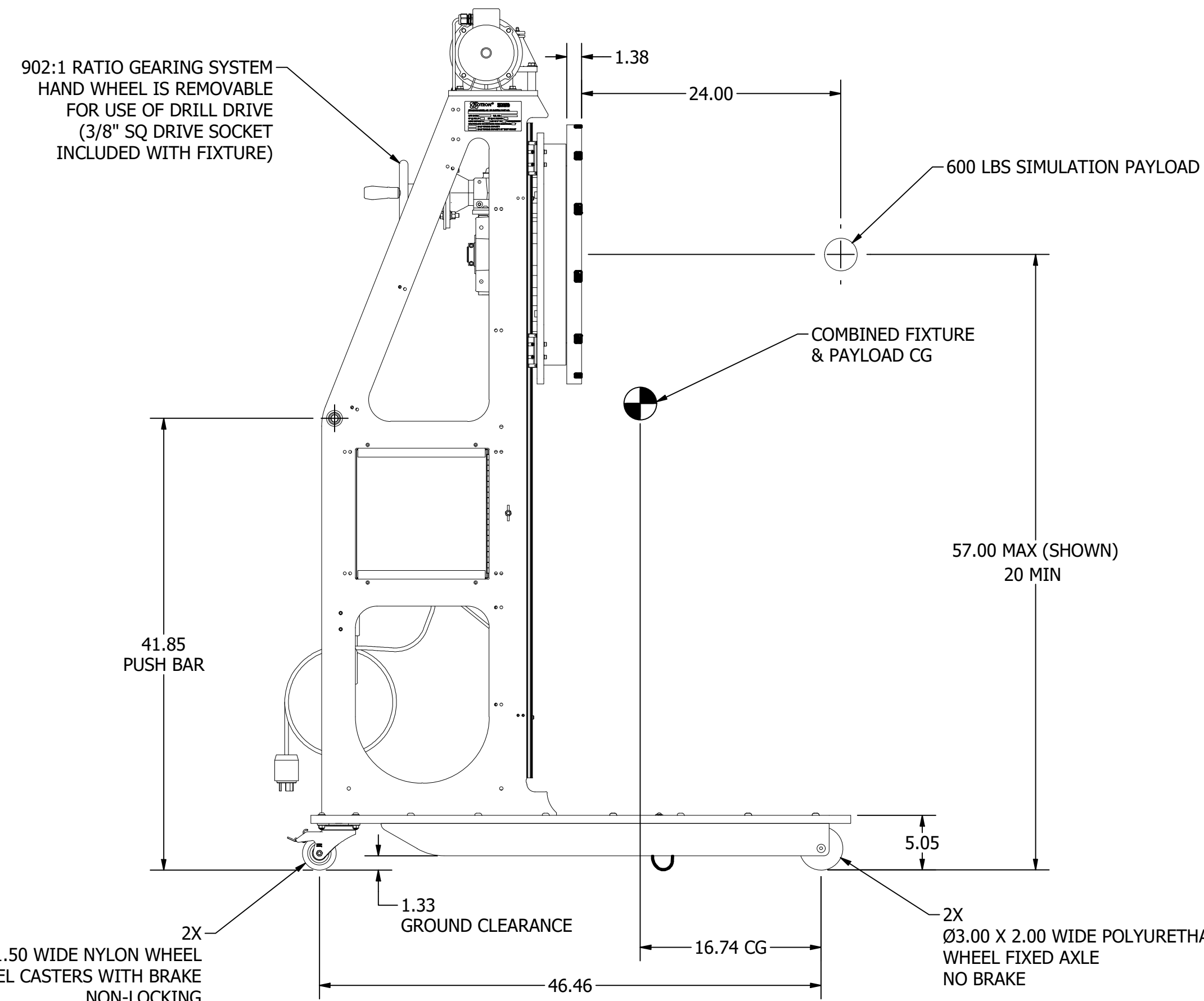
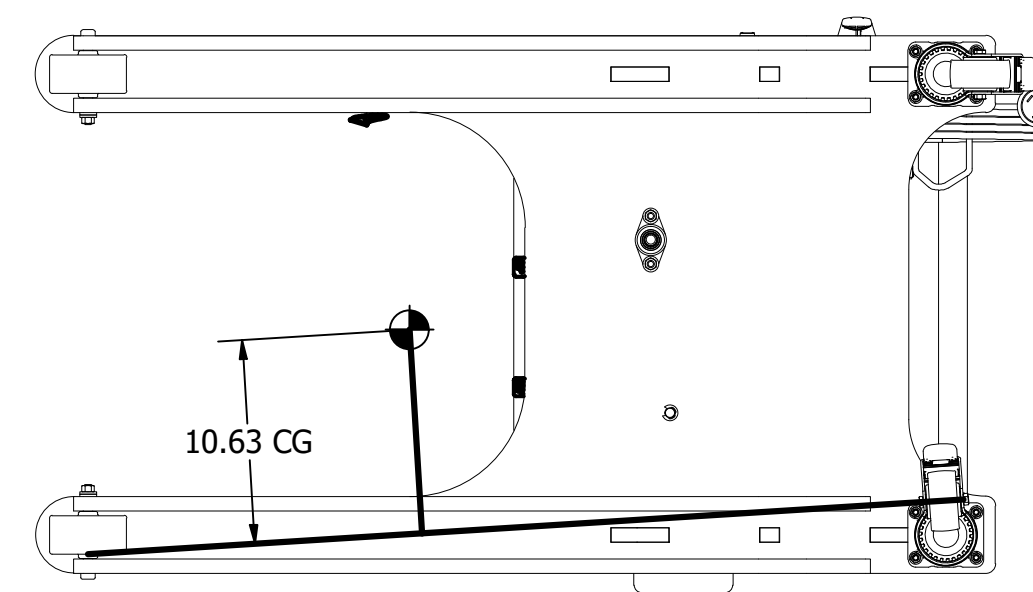


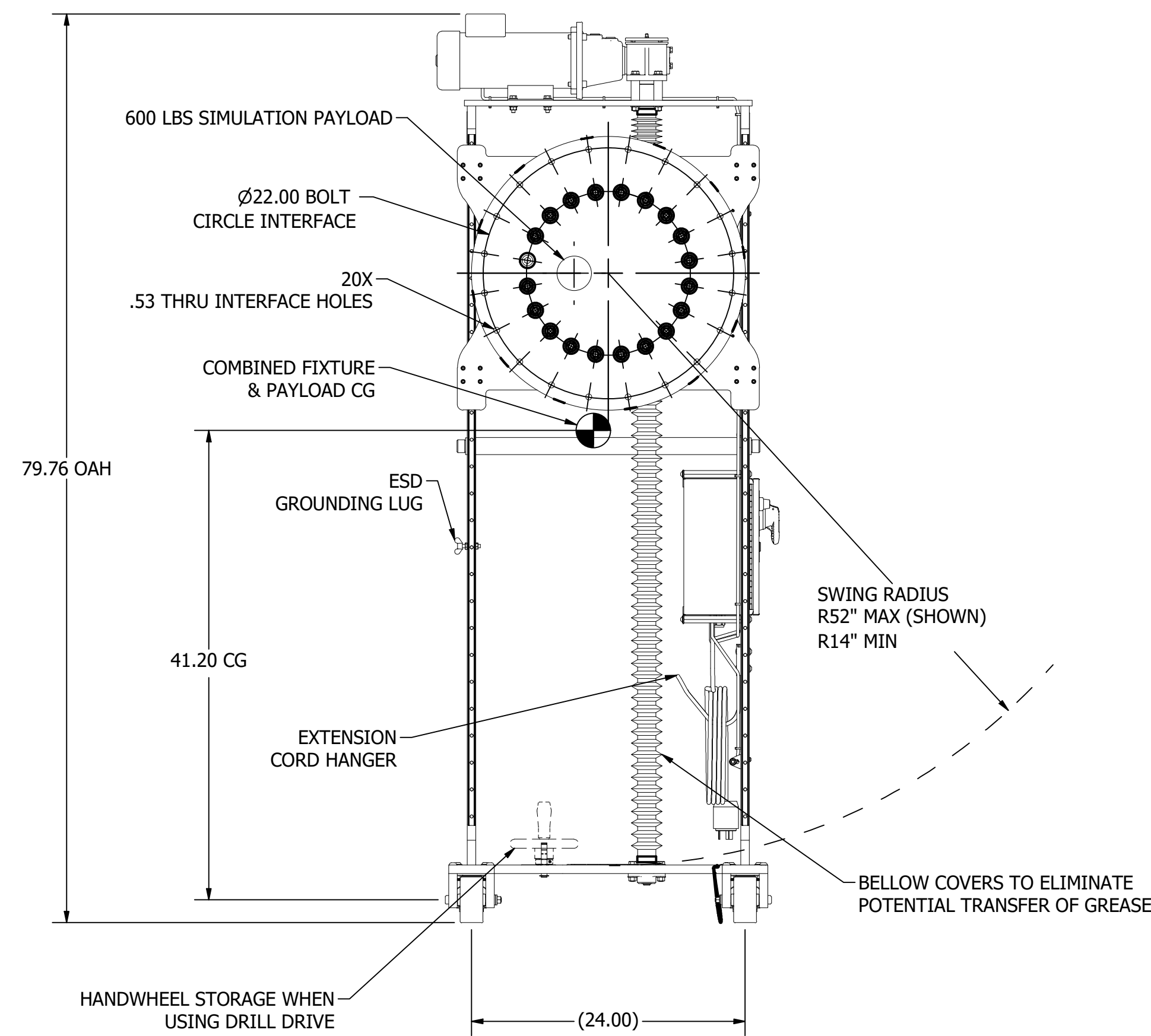
REV	DESCRIPTION	E.O.#	DATE	APPROVED
1	GEARING SYSTEM CALLOUT UPDATED WAS 630:1 NOW 902:1, SHEET 3 ADDED WITH PLT DETAILS.		9/30/2021	
2	GEOMETRY AND CG UPDATED AFTER UPDATES ON LOWER ASSEMBLIES, ADDED INTERFACE PLATE THICKNESS AND INTERFACE THRU HOLE DETAILS		11/21/2022	



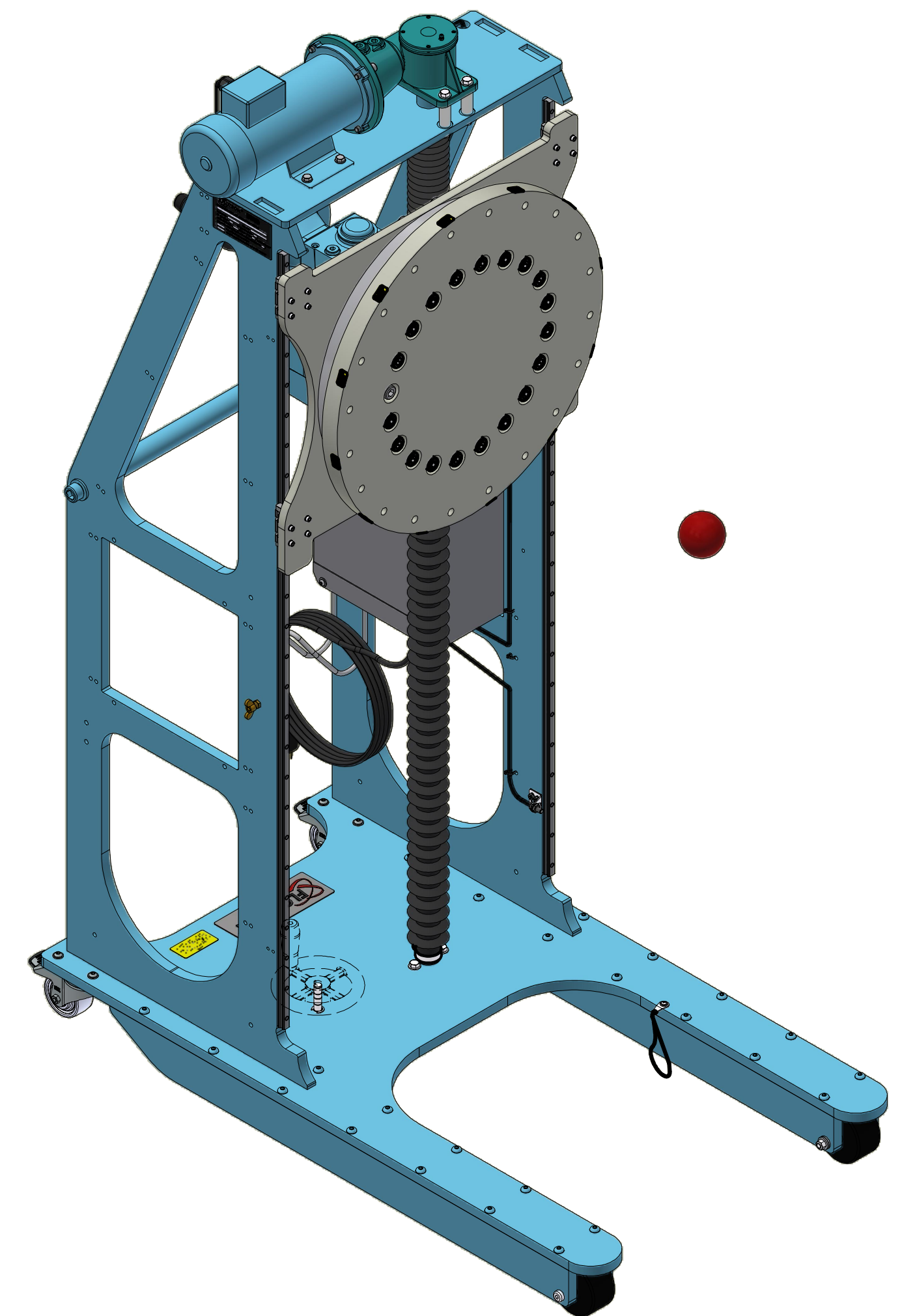
LATERAL TIPOVER CG DISTANCE



LONGITUDINAL TIPOVER:  $16.74 / 41.20 = .40G$



LATERAL TIPOVER:  $10.63 / 41.20 = .25G$



8. MIN/MAX TEMPERATURE FOR ELECTRICAL COMPONENTS: +32°F TO +104°F
7. DUTY CYCLE: MAX 10% (2 MINUTES CONTINUOUS USE FOLLOWED BY 18 MINUTES NOT IN USE). OR: 10 START/STOPS MAX PER MINUTE.
6. THE RAISE AND LOWER SPEED IS FIXED AT 36 INCHES/MINUTE. RAISE AND LOWER SPEED CAN BE SET SLOWER IF DESIRED.
5. INPUT POWER: 100-240VAC, 50-60HZ, 300W. A STANDARD CABLE WITH A 3 PRONG POWER PLUG (NEMA 5-15R) IS PROVIDED. THIS CABLE IS 25 FEET LONG.
4. FINISHES:
- A. 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. OPEN-ENDED TUBES NICKEL PLATED. KRYTOX GPL 207 LUBRICANT ON CASTERS.
  - B. "N" FINISH - FLOTRON BLUE POWDER COATED END FRAMES, GEARBOX PAINTED FLOTRON BLUE, NICKEL PLATED COMPONENTS (NO ZINC), STAINLESS STEEL, OR BLACK OXIDE FASTENERS AND MISC. HARDWARE. STANDARD LUBRICANTS.
  - C. STANDARD FLOTRON FINISHES - FLOTRON BLUE POWDER COATED END FRAMES, GEARBOX PAINTED FLOTRON BLUE, ZINC PLATED STEEL OR BLACK OXIDE FASTENERS, MISC. HARDWARE, AND COMPONENTS. STANDARD LUBRICANTS.
3. LOAD RATING: 600 LBS @ 24.0" MAX OFFSET FROM INTERFACE WITH 3.0" MAX ECCENTRICITY CONSIDERING A SIMULTANEOUS 1/2G SIDE LOAD (WORST CASE DIRECTION) AND A 1G VERTICAL LOAD.  $SF_y=3$  &  $SF_{ult}=5$ . MAX TORQUE ON GEARBOX 1,800 IN-LBS (1,800 IN-LBS MAX EASY CRANK)
2. FIXTURE SHOULD ALWAYS BE SET TO THE LOWEST POSSIBLE POSITION BEFORE TRANSPORTATION DUE TO LOW LATERAL TIPOVER.
1. WEIGHT IN TITLE BLOCK INCLUDES 600 LB PAYLOAD.

NOTES:

**CUSTOMER APPROVAL REQUIRED**  
 THIS PRINT MUST BE SIGNED AND DATED THEN RETURNED  
 TO FLOTRON  
 SIGNATURE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_  
 COMPANY \_\_\_\_\_

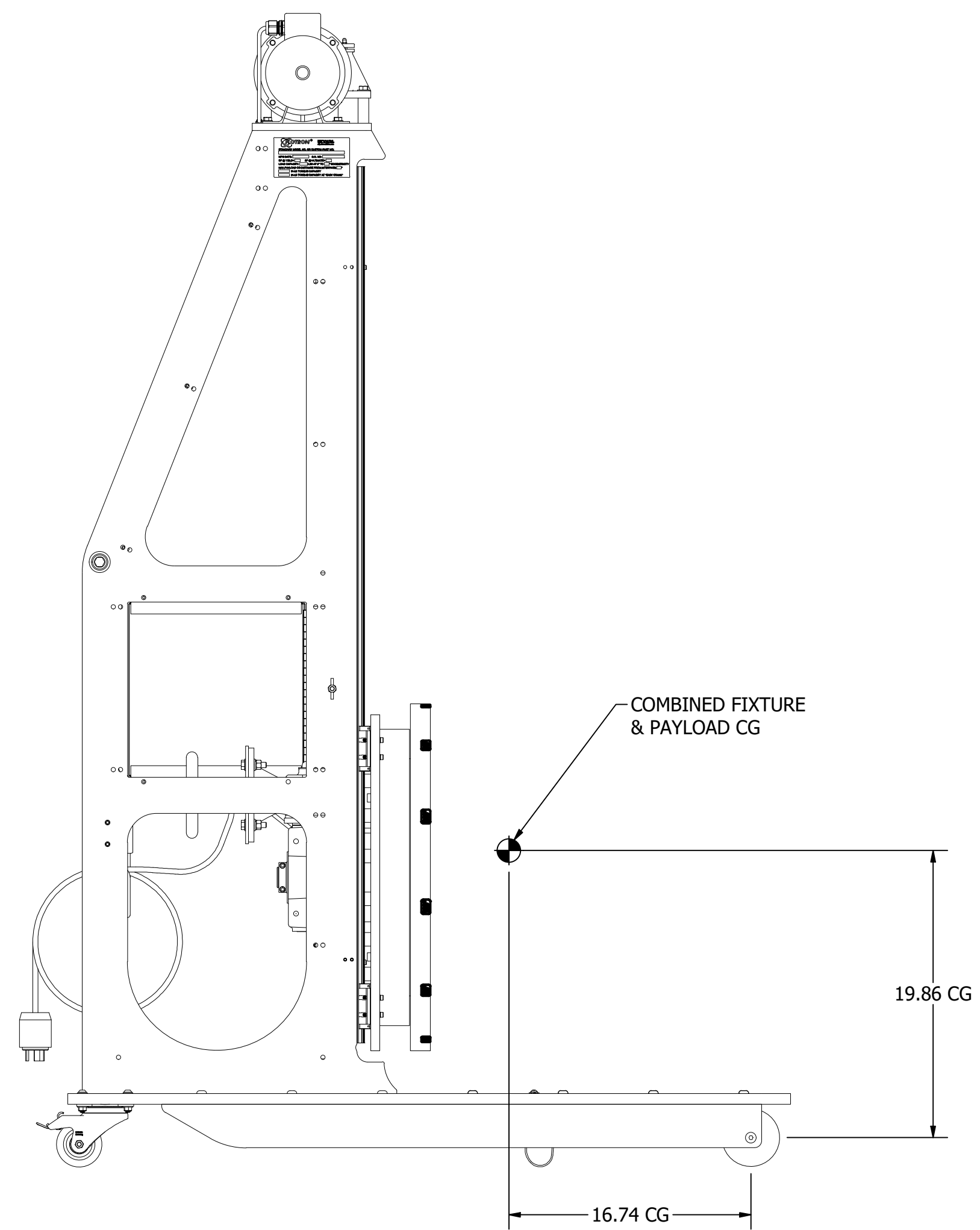
**PROPRIETARY**

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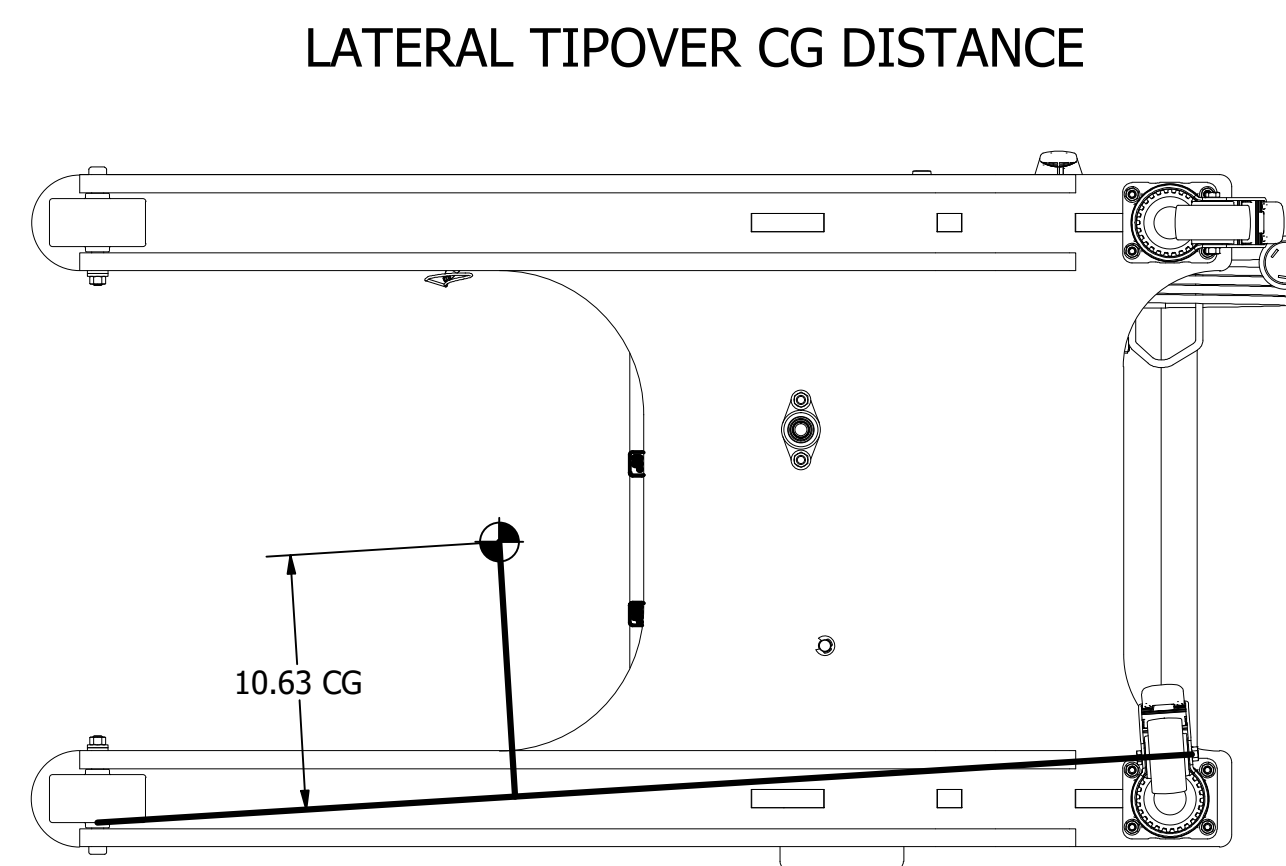
TOLERANCES UNLESS OTHERWISE SPECIFIED		FRACTION DEC.		ANGLES	
±.03	±.010	±.5°			
XX	XXX				
APPROVALS		DATE		SCALE	
DRAWN		6/30/2020		1:10	
CHECKED		TM		SIZE	
MFG				D	
				DRAWING NO.	
				8105-000PROP	
				REV	
				2	
WT: 1501.2 lb/mass		Cad software: Inventor		SHEET 1 OF 3	

**FLOTRON** 2630 PROGRESS STREET  
 VISTA, CALIFORNIA 92081  
<http://www.flotron.com>

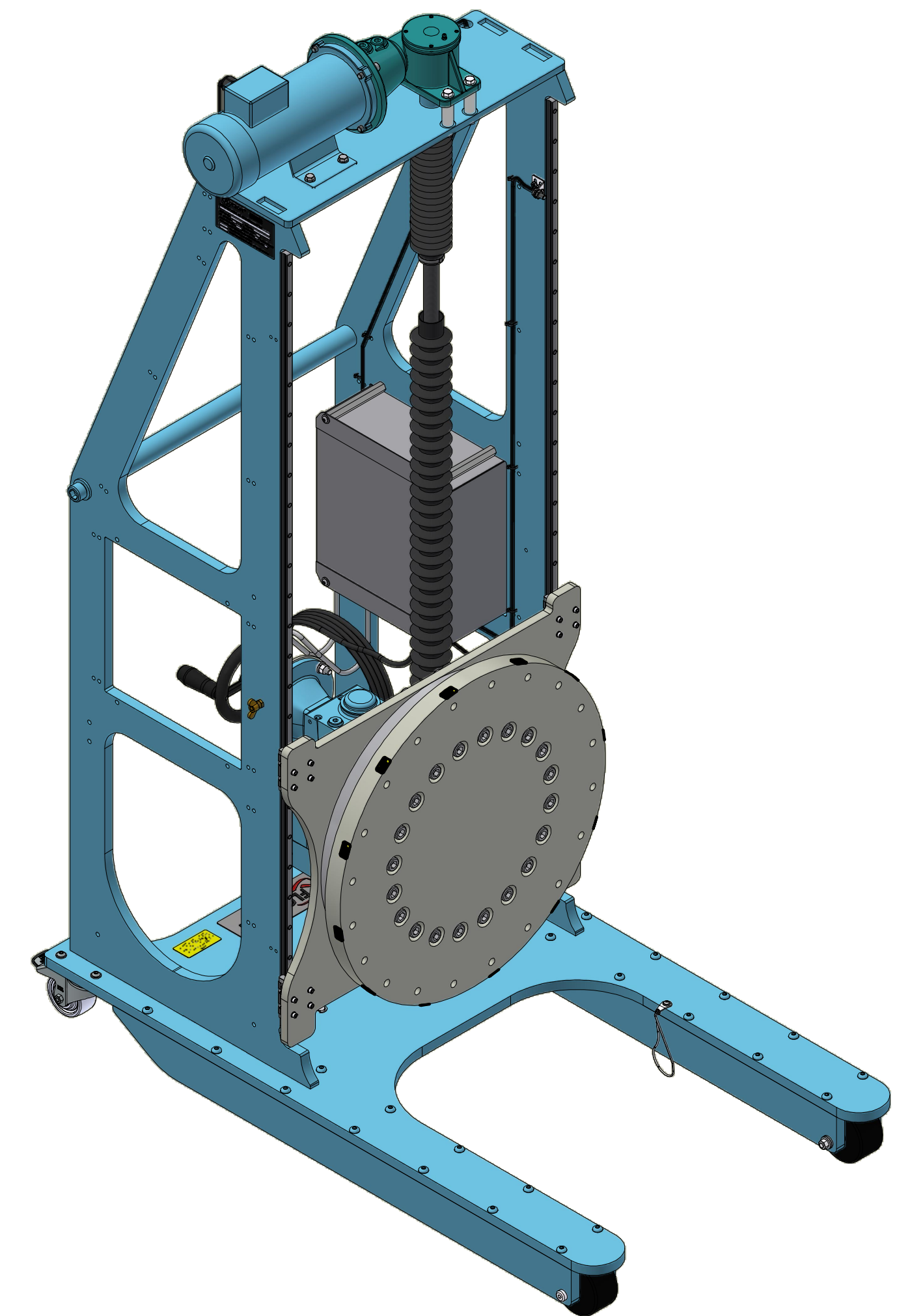
**8105-000 CANTILEVERED LIFT AND ROTATION FIXTURE**



LONGITUDINAL TIPOVER:  $16.75 / 19.86 = .84G$



LATERAL TIPOVER:  $10.63 / 19.86 = .53G$



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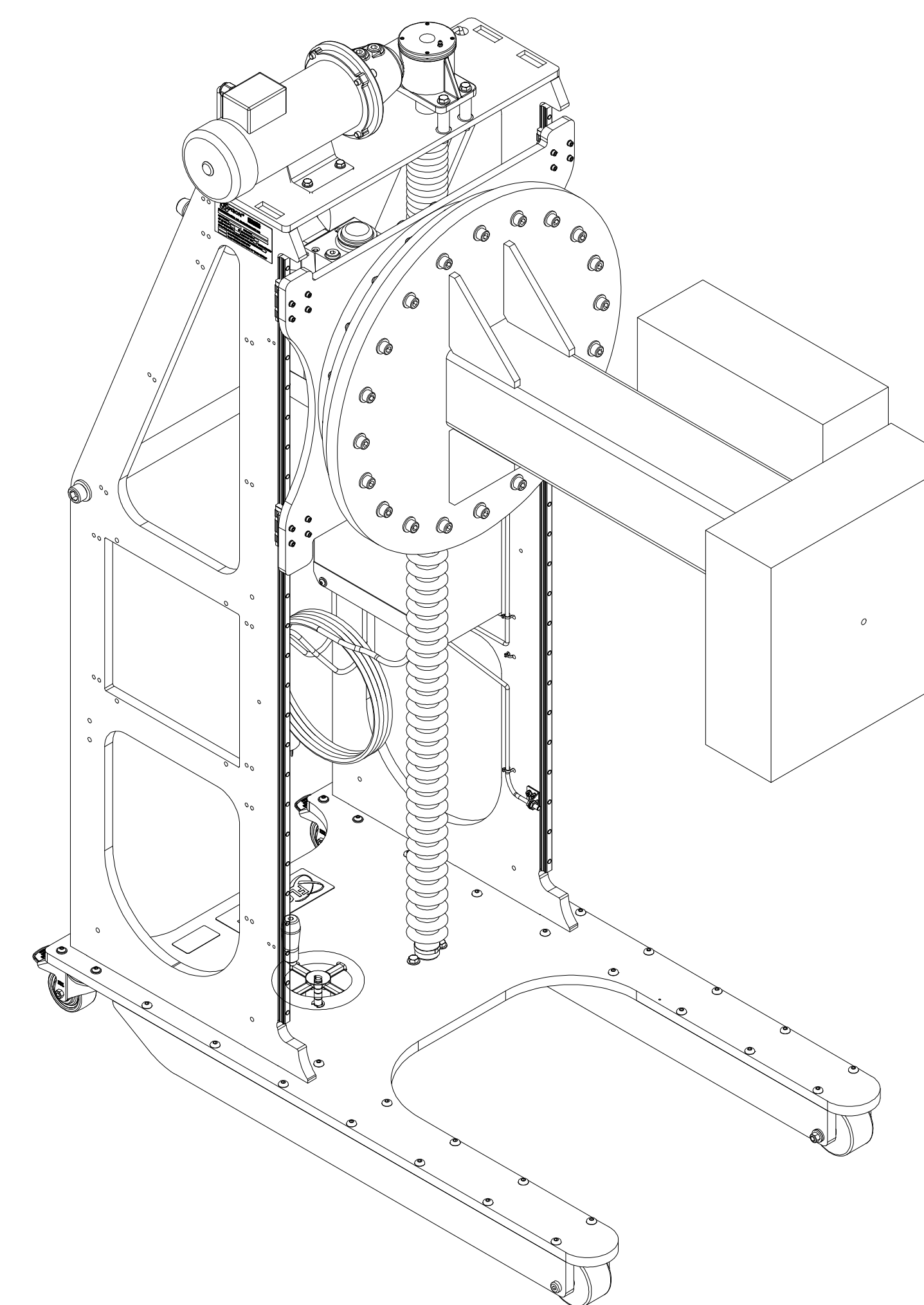
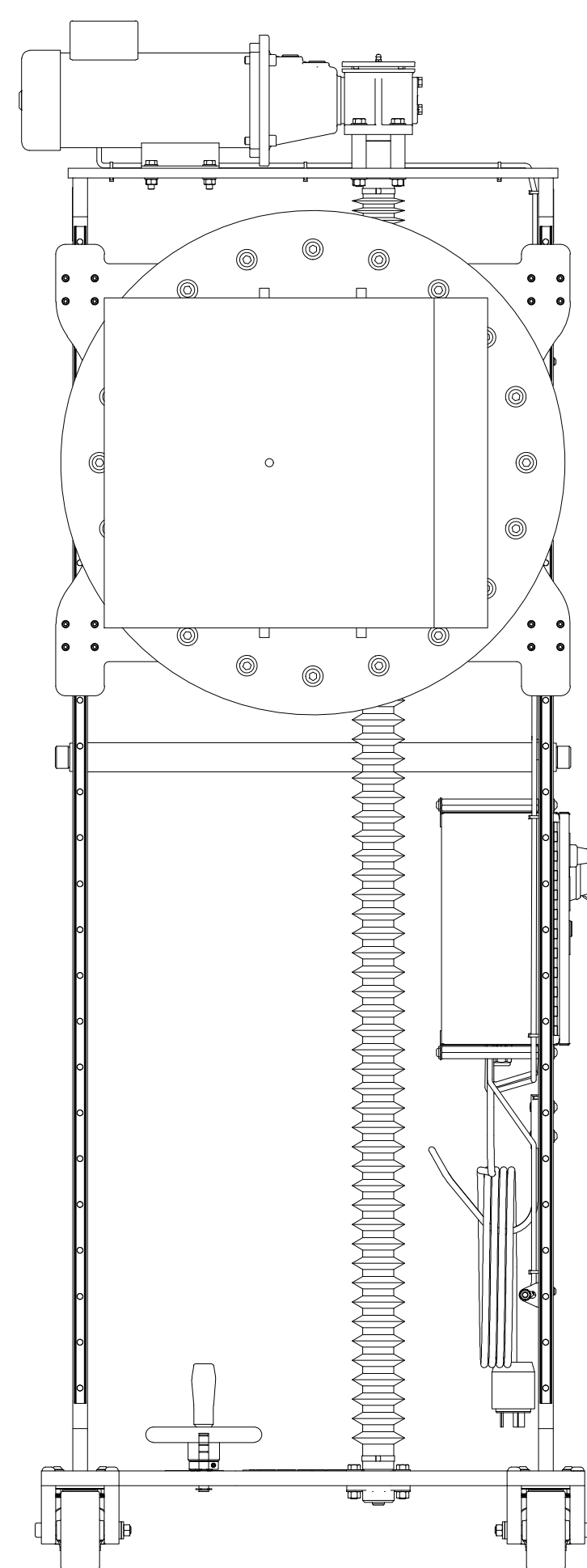
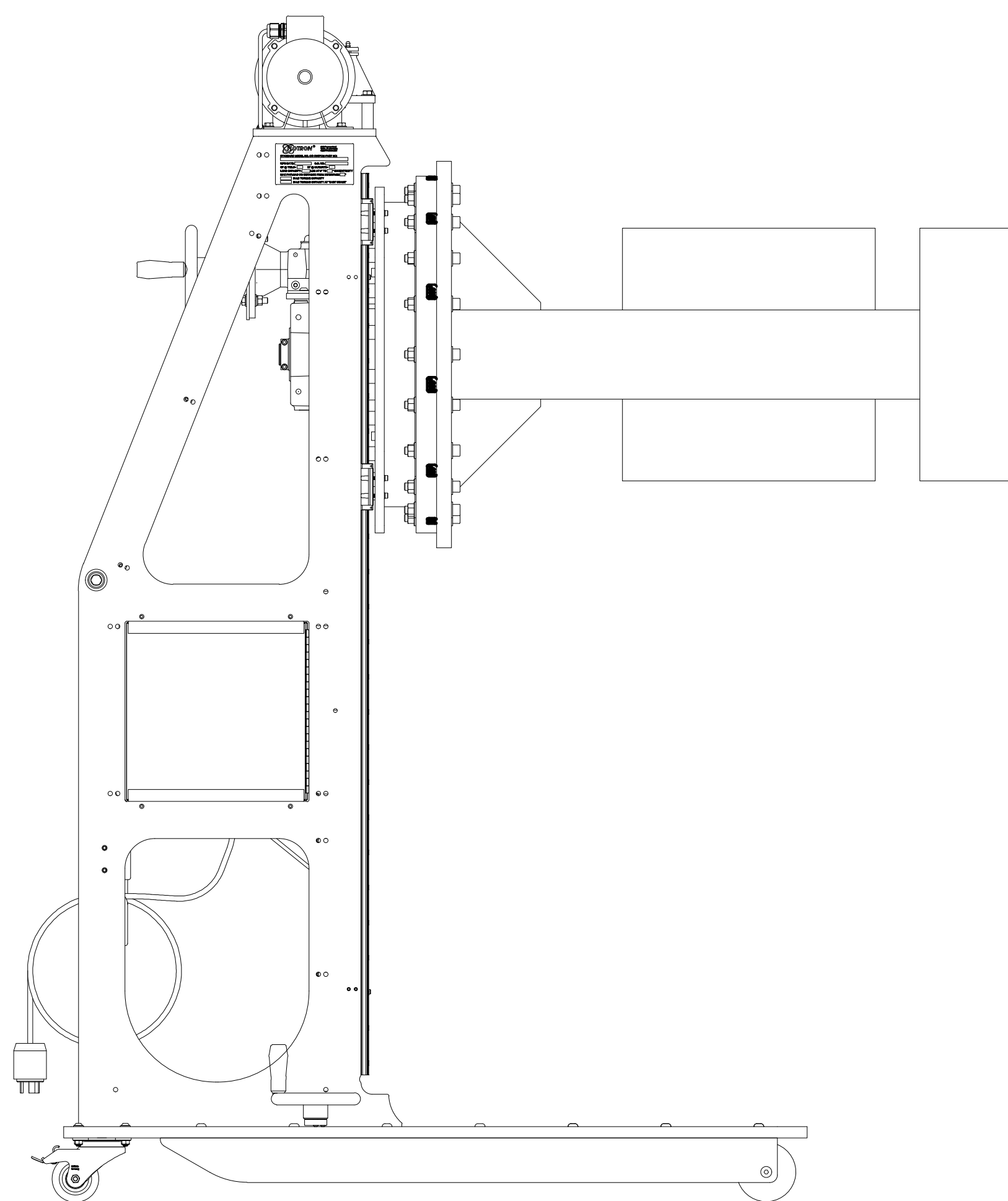
		2630 PROGRESS STREET VISTA, CALIFORNIA 92081 <a href="http://www.flotron.com">http://www.flotron.com</a>	
		SCALE 1:10	SIZE D
SHEET 2 OF 3			

**PROOF LOAD TEST PROCEDURE:**

DEAD WEIGHT LOAD (NO ROTATION), VISUAL INSPECTION

- STATIC PROOF LOAD TEST.
- VERTICAL LOAD ONLY.
- 200% VERTICAL LOAD, 100% TORQUE.
- HOLD LOAD FOR 5 MINUTES MINIMUM.
- CUSTOMER MAY WITNESS TEST.
- PAINT AND PLATING COVERS ALL WELDS.
- VISUALLY INSPECT FOR CRACKS, DEFORMATION, ETC.

A DELIVERABLE PROOF LOAD TEST REPORT WILL BE PROVIDED.  
THE REPORT WILL INCLUDE A SUMMARY OF THE TEST PROCEDURE,  
ACTUAL MEASURED WEIGHT OF LOAD APPLIED, VISUAL INSPECTION RESULTS,  
AND IMAGES OF THE TEST BEING PERFORMED.



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SCALE	1:10	SIZE	D
DRAWING NO.	8105-000PROP	REV	2
SHEET			3 OF 3