

- . WEIGHT IN TITLE BLOCK INCLUDES 3,200 LB PAYLOAD.

NOTES:

or returned to FLOTRON, Inc.

Cad software: Inventor SHEET 1 OF 9

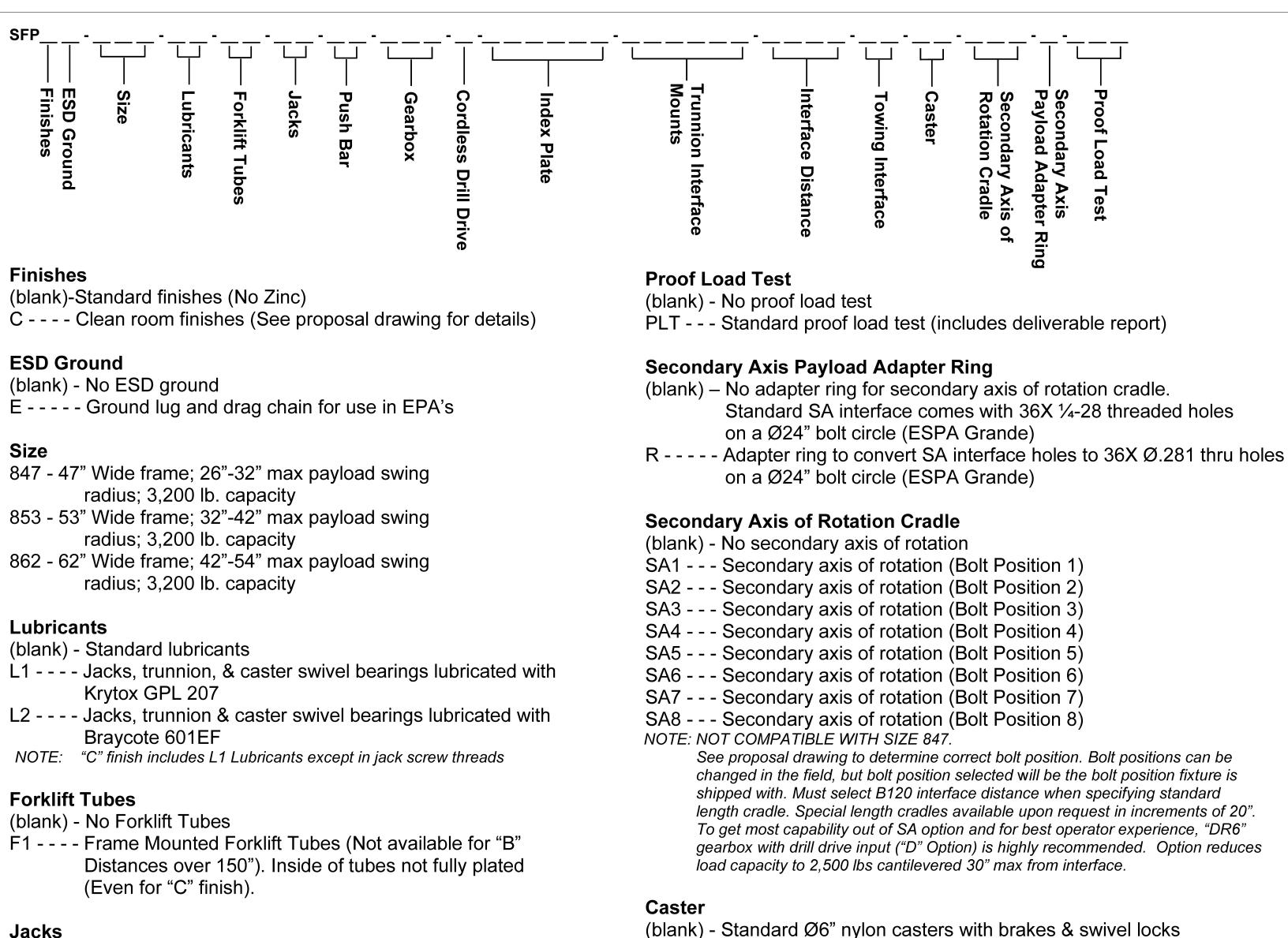
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			SIZE		FORKLIFT TUBES		JACKS		GEARBOX		CORDLESS HAND DRILL	INDEX PLATE		TE	TOWING INTERFACE			SECONDARY AXIS OF ROTATION CRADLE				
		SFP-847	/ SFP-853	SFP-862	BLANK	F1	BLANK]5	BLANK	DR3	DR6	BLANK	D	BLANK	IND15	INDS15	BLANK	T1	T2	Т3		1
	SFP-847																					Х
SIZE	SFP-853																					
	SFP-862														IK IND15 INDS15 BLANK T1 T2 T3 Image: Image of the stress							
	BLANK - NO TUBES																					
I ORICEII I TODES	F1																			X (5)		
IACKS	BLANK - NO JACKS																					
JACKS	J5																			X (4)		
FORKLIFT TUBES - JACKS - JACKS - GEARBOX - GEA	BLANK - STANDARD										-		Х									-
	DR3												-									-
	DR6											-										
	BLANK - NO DRILL																					-
ORDLESS HAND DRILL	D								Х	-					-	-						
	BLANK - NO INDEX																				CRA T3 BLANK	
INDEX PLATE	IND15												-									
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	T1																					
I OWING IN LERFACE	T2																					
	Т3					X (5)		X (4)														
SECONDARY AXIS OF	BLANK - NO CRADLE																					
ROTATION CRADLE	SA1-SA8	Х							-	-		-										
NOTES:	1. OPTIONS SHOWN AS	Х	ARE NO	Τ COMPA	TIBLE WIT	H OTHER	OPTIONS						•									
	2. OPTIONS SHOWN AS	-	ARE CON	MPATIBLE	WITH OTI	HER OPTI	ONS BUT N		OMMENDE	D. CONT	ACT FLOT	RON FOR	FURTHER		AND EXPL	ANATION	OF CON	CERNS/RIS	SKS			
	3. OPTIONS NOT SHOW	n in this	MATRIX A	RE COMP	ATIBLE WI	TH ALL C	THER OPT	IONS														
	4. JACKS WITH T3 OPTIC					۱.				,												
												SFP-862)										

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8	FLOTR	ON®	2630 PRO VISTA, CA http://www.fl	LIF
ALE		SIZE	DRAWING NO.	
	1:8	D	8053-000P	R
				SF

ROP SHEET 2 OF 9



Jacks

- (blank) No jacks provided
- J2 - Jacks with crank handles opposite of mounting plate
- J3 - Jacks with crank handles pointing towards ends of fixture
- J4 - Jacks with crank handles pointing towards center of fixture

Push Bar

- (blank) No push bar
- P1 - Gearbox mounted push bar for 847 & 853. End frame mounted push bar for 862.

Gearbox

(blank) - Standard 60:1 Low Backlash Gearbox

- DR3 - 300:1 Low Backlash, Stairstep Resistant Gearbox. Recommended for torques higher than 2,000 in-lbs
- DR6 - 600:1 Low Backlash, Stairstep Resistant Gearbox. Recommended for torques higher than 6,000 in-lbs Must select when using drill drive "D" option.

Cordless Drill Drive Input

(blank) – No hand drill

D - - - - Battery powered hand drill mounted to gearbox input shaft (Must select DR6 gearbox option)

Index Plate

(blank) - - No index plate IND15 - - 15° index plate INDS15 - 15° index plate with index stops Special index plate hole spacing available upon request. NOTE:

(blank)	- Standard Ø6"	nylo	n c
	(no steering b	ars)	
C1	- Ø8" nylon cas	sters	wit

Towing Interface

(blank) - No towing interface T1 - - - Removable lunette ring towing interface (attaches to main beam) T2 - - - Removable ball coupler towing interface (attaches to main beam) T3 - - - Removable tow bar (attaches to end frames)

Interface Distance

B"XXX" - Main Beam	length	W
interface mounts. (1"	increm	ier
MODEL	MIN	Ν
SFP-847	25"	2
SFP-853	42"	2
SFP-862	55"	2

Trunnion Interface Mounts

P12	9" x 12" mounting p
P12/A30	- P12 (8 bolts 8" x 1
	30" long angle (no
P12/B30	- P12 (8 bolts 8" x 1
	(with standard mou
NOTE:	Special interface angle

ith brakes & swivel locks (no steering bars) C2 - - - Ø8" poly. casters with steering bars, brakes, and swivel locks

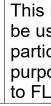
> where "XXX"= length in inches between trunnion ents within the following range) MAX 280" 280" 280"

plate with 8 thru holes 12") mounting plate and standard mounting holes) bolted to the P12. 12") mounting plate and 30" long angle ounting hole pattern) bolted to the P12. gle lengths available upon request

SFP-800 SERIES CREATING A MODEL NUMBER

Example:

SFP <u>C</u>	- <u>853</u>
	1
25	53"
Clean room	frame
finishes	width



<u>J2</u>

P12/A30

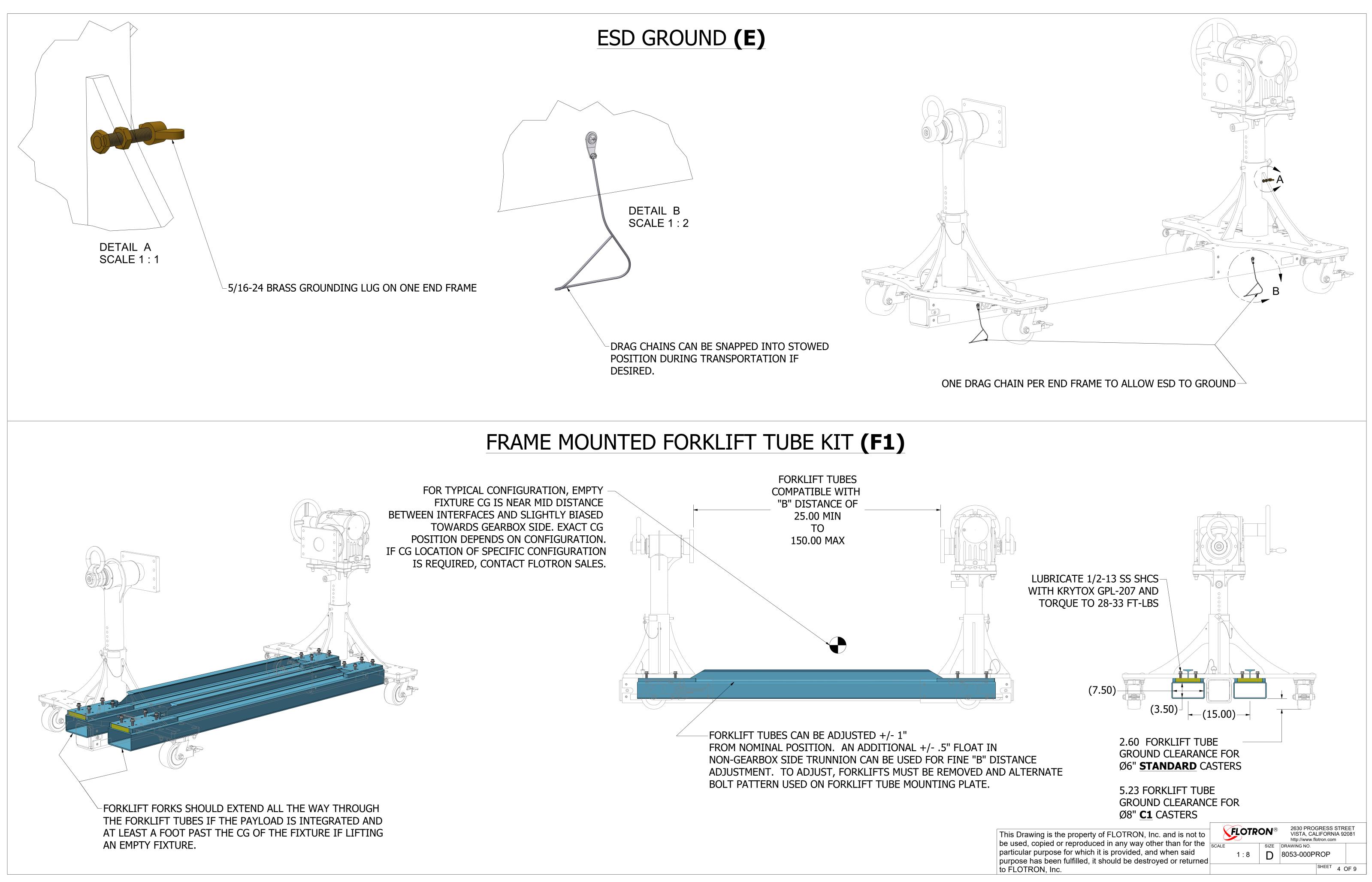
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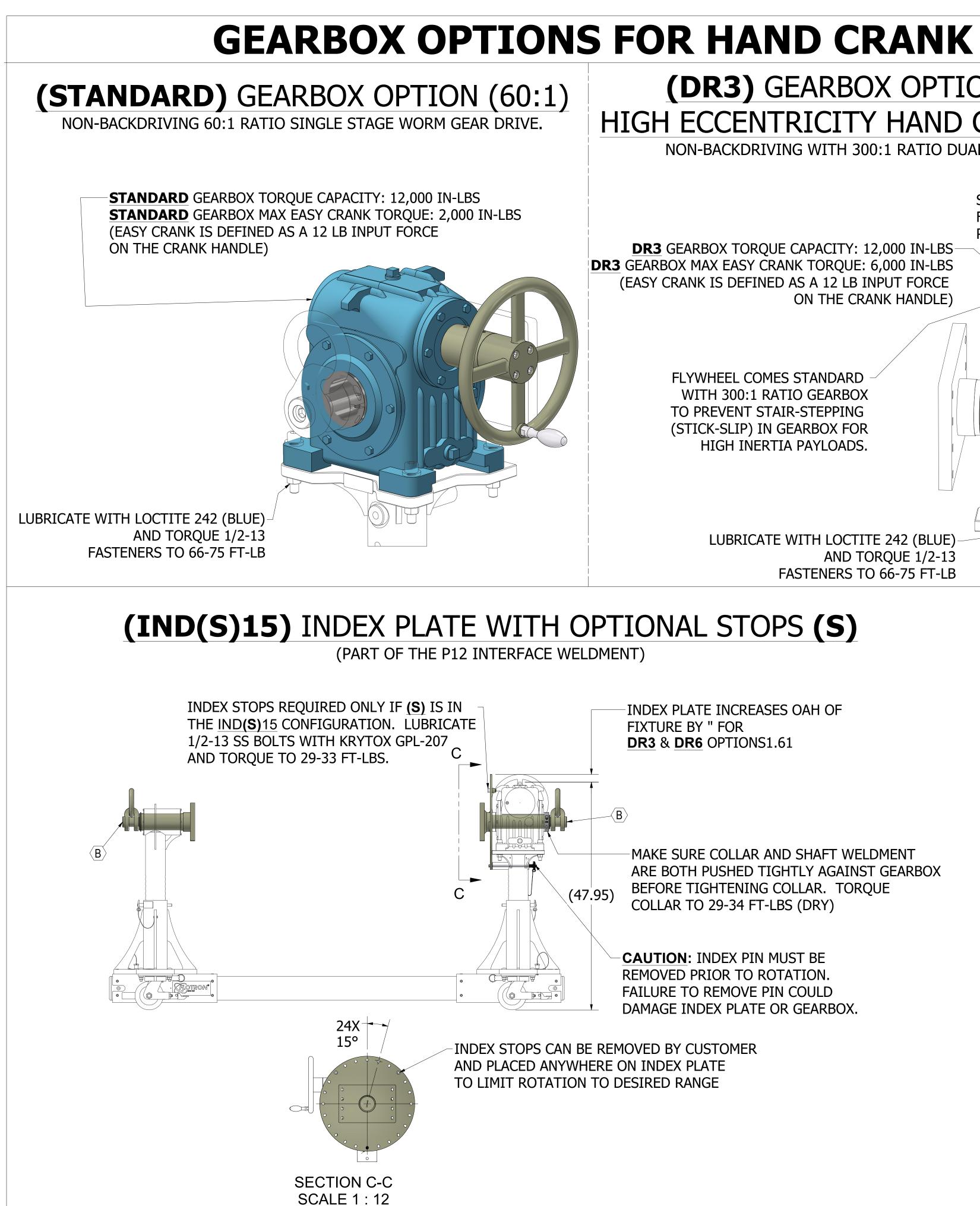
Jacks with removable crank Angle Interface 30" length

Inside Length between Trunnion interfaces = 120"

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ALE		SIZE	DRAWING NO.			
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(DR3) GEARBOX OPTION (300:1) FOR HIGH ECCENTRICITY HAND CRANK APPLICATION NON-BACKDRIVING WITH 300:1 RATIO DUAL STAGE WORM GEAR DRIVE.

SET CLUTCH TO 250 IN-LBS FOR **DR3** (300:1) RATIO GEARBOX PRIOR TO ASSEMBLY

DR3 GEARBOX TORQUE CAPACITY: 12,000 IN-LBS-DR3 GEARBOX MAX EASY CRANK TORQUE: 6,000 IN-LBS (EASY CRANK IS DEFINED AS A 12 LB INPUT FORCE ON THE CRANK HANDLE)

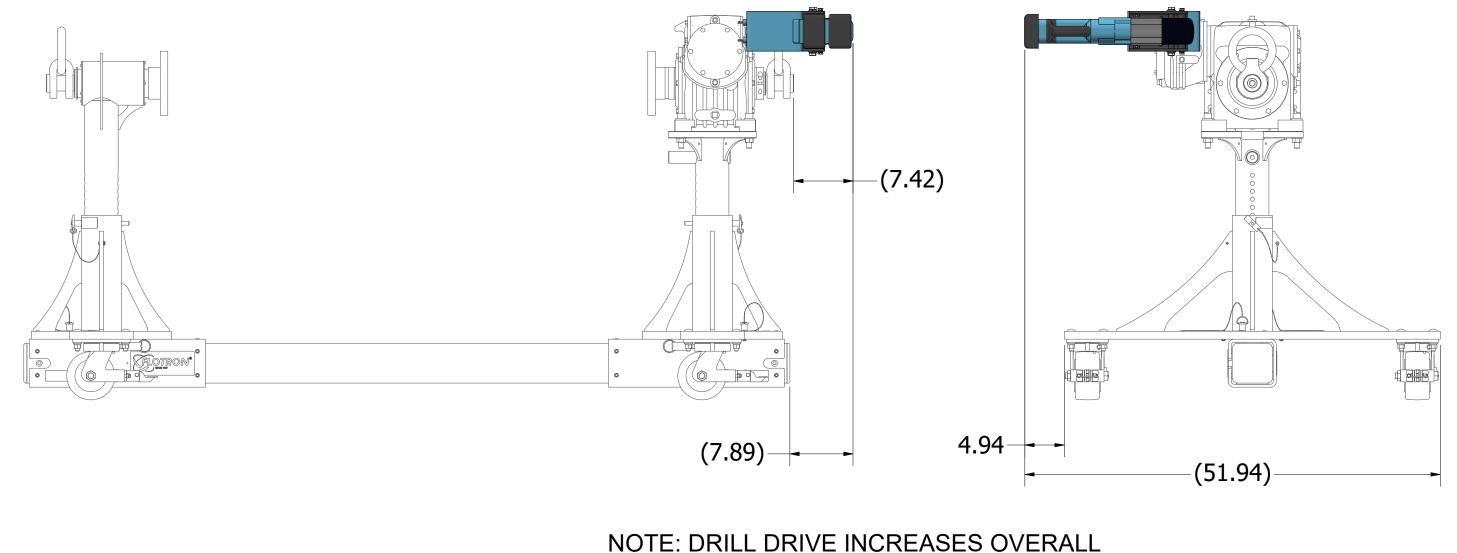
> FLYWHEEL COMES STANDARD WITH 300:1 RATIO GEARBOX TO PREVENT STAIR-STEPPING (STICK-SLIP) IN GEARBOX FOR HIGH INERTIA PAYLOADS.

> > LUBRICATE WITH LOCTITE 242 (BLUE) AND TORQUE 1/2-13 FASTENERS TO 66-75 FT-LB

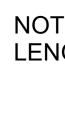
INDEX PLATE INCREASES OAH OF DR3 & DR6 OPTIONS1.61

-MAKE SURE COLLAR AND SHAFT WELDMENT ARE BOTH PUSHED TIGHTLY AGAINST GEARBOX BEFORE TIGHTENING COLLAR. TORQUE COLLAR TO 29-34 FT-LBS (DRY)

-CAUTION: INDEX PIN MUST BE **REMOVED PRIOR TO ROTATION.** FAILURE TO REMOVE PIN COULD DAMAGE INDEX PLATE OR GEARBOX.

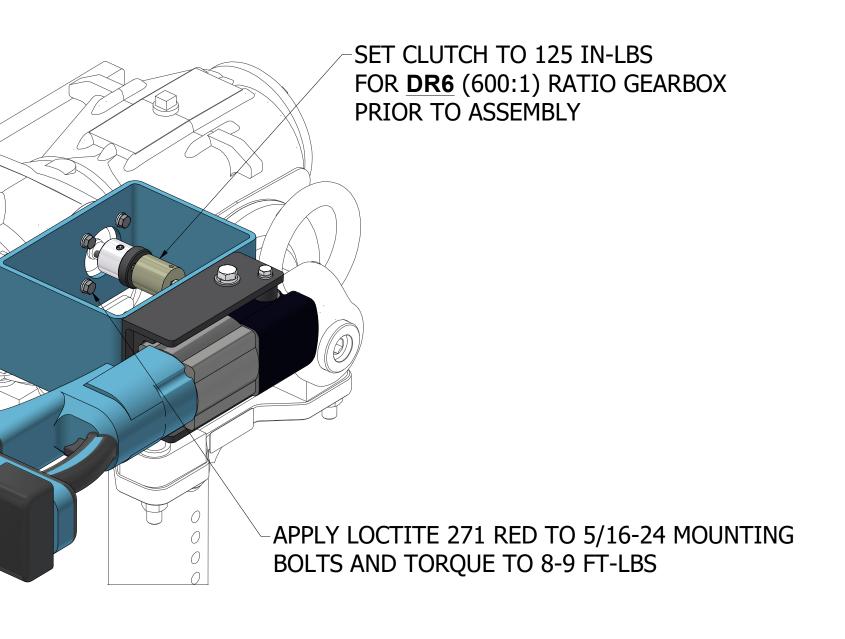


WHEN **D** OPTION IS CHOSEN, **DR6** GEARBOX WILL HAVE A 600:1 RATIO. DRILL MAX RPM IS 300 RESULTING IN A MAX OUTPUT PAYLOAD ROTATION OF .5 RPM. WITH **D** OPTION, FULL GEARBOX TORQUE CAPACITY CAN BE USED. COMES STANDARD WITH CLUTCH BETWEEN THE GEARBOX AND HAND CRANK TO PREVENT OVER-TORQUE OF GEARBOX IN CASE INDEX PIN WAS NOT REMOVED BEFORE ROTATION OR PAYLOAD ECCENTRICITY IS TOO HIGH.



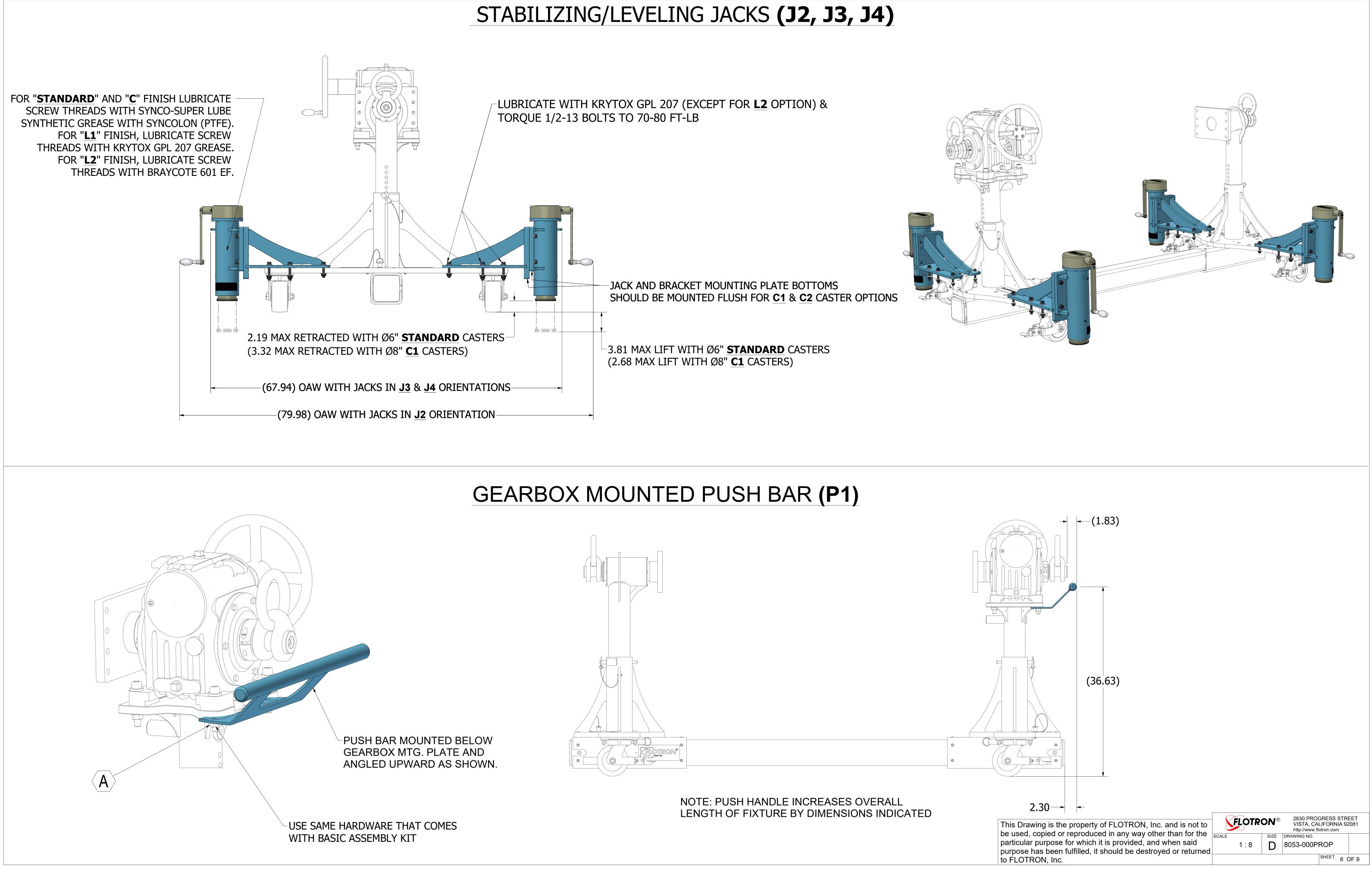
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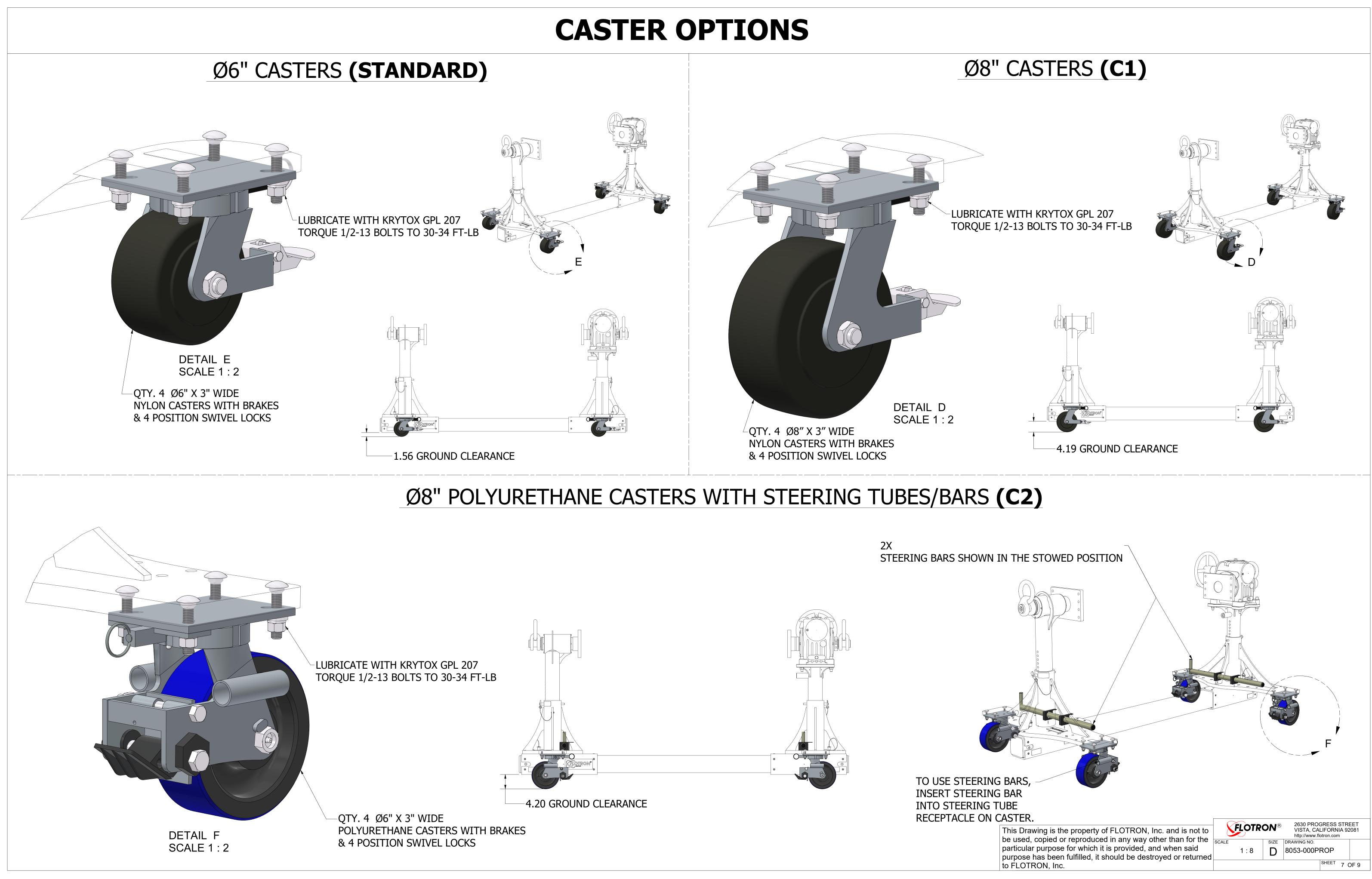
DRILL DRIVE OPTION (D) WITH (DR6) GEARBOX



LENGTH AND WIDTH OF FIXTURE BY DIMENSIONS INDICATED

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	SCALE	SIZE	DRAWING NO.	
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TRUNNION INTERFACE MOUNT OPTIONS

