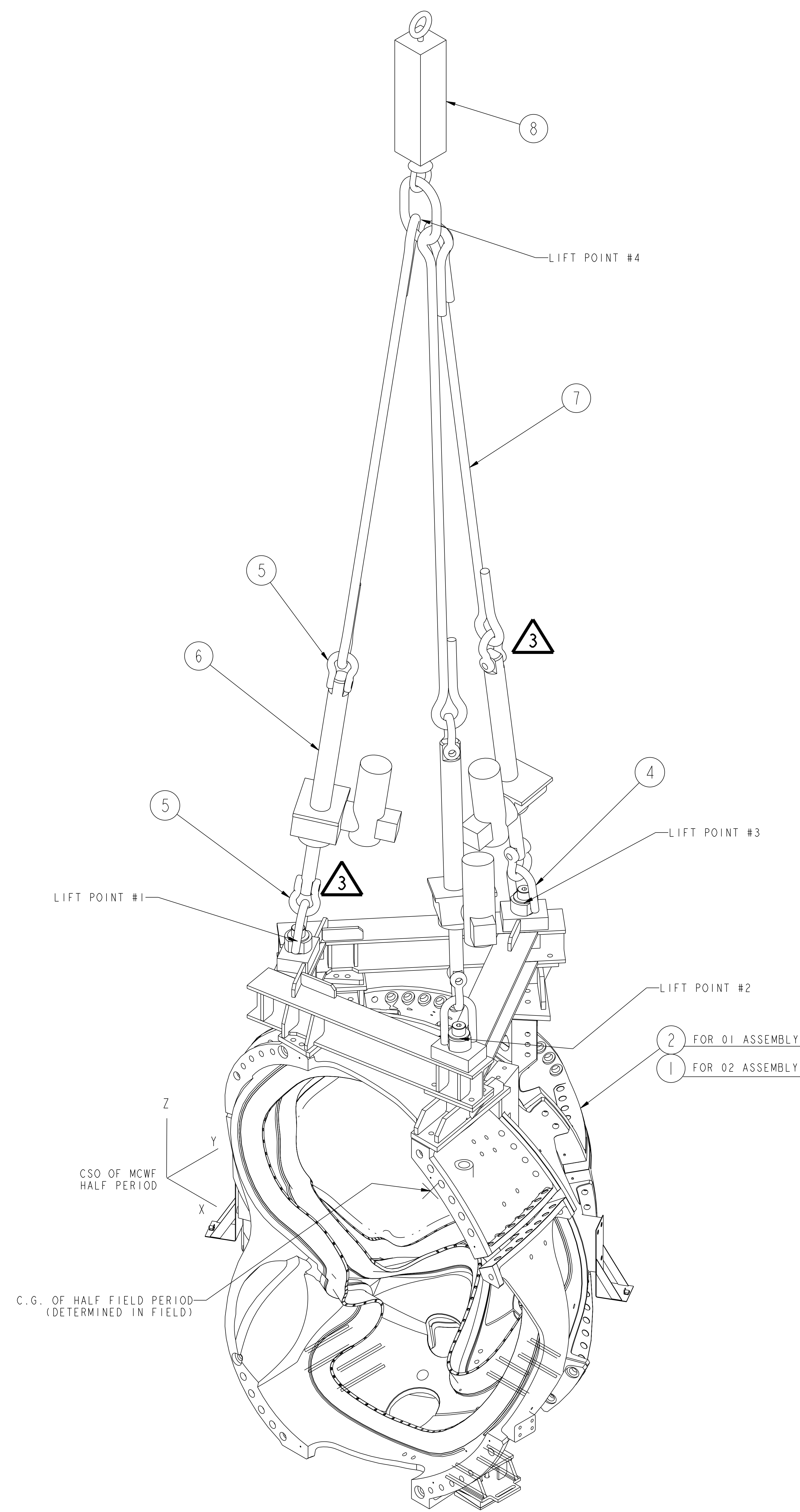


NO.	REVISION	BY	CH	SUP	APPROVED	DATE
2	REVISED PER ECN-5326	LM	TB	JS	T. BROWN	1-29-08
3	REVISED PER ECN-5371	LM	TB	JS	T. BROWN	2-19-08



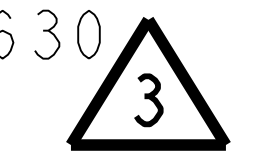
LIFT POINT DATA LOCATIONS FROM CSO

LIFT POINT #1:
dX = -25.9808
dY = -15.0000
dZ = -69.2150

LIFT POINT #2:
dX = -77.3074
dY = -13.6314
dZ = -69.2150

LIFT POINT #3:
dX = -50.7802
dY = -60.5175
dZ = -69.2150

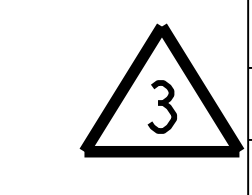
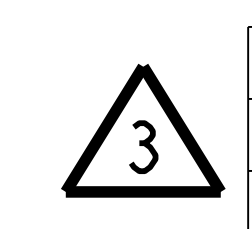
LIFT POINT #4:
dX = -49.000
dY = -30.000
dZ = -267.630



NOTES

- LIFT POINT CO-ORDINATES ARE TO BE DETERMINED IN FIELD.
- LIFT POINTS FOR RIGHT HALF PERIOD ASSEMBLY AND LEFT HALF PERIOD ASSEMBLY WILL BE UNIQUE PER ASSEMBLY.
- THIS DISTANCE (SHEET 13) TO BE DETERMINED IN FIELD.

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QTY	ASSY NO.	PART NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REQD
6	6	11		COMM 1/4 DIAMETER x 2" LG COTTER PIN	C'STL - 2N PFT	
6	6	10		COMM 1 3/8 GUNC-2B HEX NUT	C'STL - 2N PFT	
6	6	9	SE185-326	LIFT LINK PIN WELDMENT	SEE DWG	
1	1	8		COMM HYDRASET - 25 TON CAP.		
1	1	7		COMM 3 LEGGED BRIDLE - 50 TON MASTER LINK WITH (3) 17 TON WIRE ROPES 120" LG	STEEL	
1	1	6		COMM SISCO - TRIPLE ACTUATOR COORDINATED LIFTING SYSTEM HCHS-15-3-WD		
6	6	5		COMM SCREW PIN ANCHOR SHACKLE - 1 1/2" NOMINAL 17 TON WORKING LOAD LIMIT	STEEL (GALVANIZED)	
3	3	4		COMM SWIVEL HOIST RING - 30,000# (2"-4 1/2" THREAD) CROSBY #1016997 OR EQUIV.		
6	6	3	SE185-317	1 1/2" LIFTING SHACKLE LINK WELDMENT	SEE DWG	
1	1	2	SE185-302-02 SE185-314-02	RIGHT HALF PERIOD ASSY W/ SUPTS AND LASER POINTERS AND LIFTING FIXTURE FRAME ASSEMBLY		
1	1	1	SE185-302-01 SE185-314-01	LEFT HALF PERIOD ASSY W/ SUPTS AND LASER POINTERS AND LIFTING FIXTURE FRAME ASSEMBLY		
				THIS DWG MCWF LEFT HALF PERIOD ASSY W/ SISCO LIFTING SYSTEM		1
				THIS DWG MCWF RIGHT HALF PERIOD ASSY W/ SISCO LIFTING SYSTEM		1

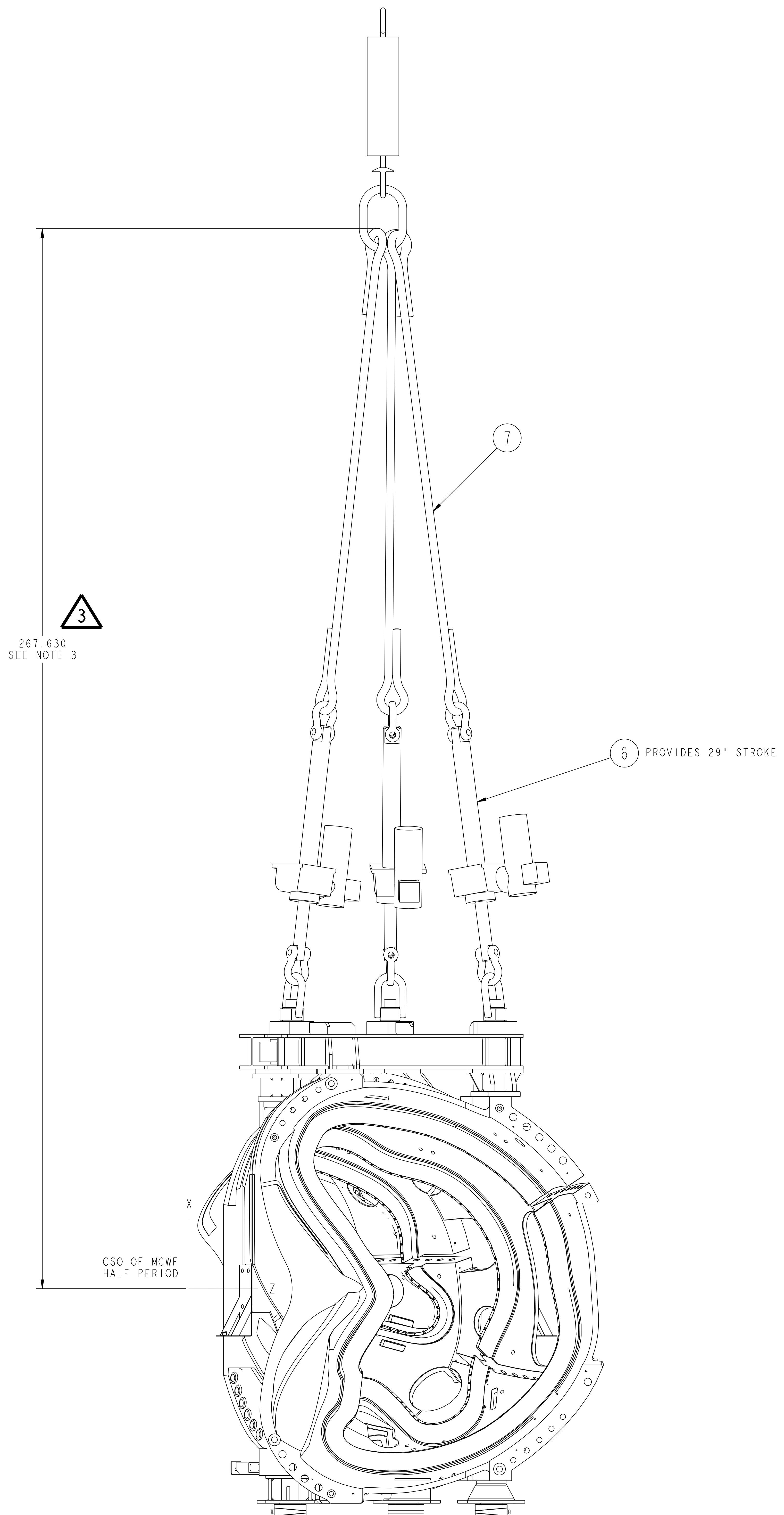
PARTS LIST

WEIGHT	COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY	
	DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES UNLESS OTHERWISE SPECIFIED	NATIONAL COMPACT STELLARATOR EXPERIMENT	
MODEL NAME SE185-304	PRO E	TOLERANCES NON-CUMULATIVE	FIELD PERIOD ASSEMBLY	
RELEASE LEVEL: Fabrication	NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS	FIELD PERIOD ASSEMBLY FIXTURE - MCWF HALF PERIOD ASSEMBLY WITH SISCO LIFTING SYSTEM FOR POSITIONING OVER V.V.	
DWG VERSION NO: 0	WELDING ENGINEER	.XX +/- .000 .XXX +/- .005 ANGULAR +/- 0°-15'	DSN: L. MORRIS 2-15-07	DRAWING NO: SE185-304
			CHK: M. VIOLA 2-15-07	
			ENGR: T. BROWN 2-15-07	
			SUPV: J. SIEGEL 2-15-07	SHEET 1 OF 2 REV B.04

01 ASSEMBLY - SHOWN
02 ASSEMBLY - SIMILAR TO 01 ASSEMBLY EXCEPT AS INDICATED

NCSX-SE185-304

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



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FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E DO NOT VERIFY INFORMATION BY SCALING DRAWING	CENTRAL FILES:	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY			
	UNLESS OTHERWISE SPECIFIED	NATIONAL COMPACT STELLARATOR EXPERIMENT			
NEXT ASSEMBLY	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	FIELD PERIOD ASSEMBLY FIELD PERIOD ASSEMBLY FIXTURE - MCWF HALF PERIOD ASSEMBLY WITH SISCO LIFTING SYSTEM FOR POSITIONING OVER V.V.			
	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	2-15-07	DRAWING NO:	
WEIGHT	DECIMAL-INCH FRACTIONS	CHK: M. VIOLA	2-15-07	SE185-304	
MODEL NAME SE185-304	.XX +/- .000 0°-12° +/- 15.0 .XX +/- .000 12°-12° +/- 15.0 .XX +/- .005 12°-120° +/- 15.0 ANGULAR +/- 0°-15° OVER 120° +/- 15.0	ENGR: T. BROWN	2-15-07		
RELEASE LEVEL: Fabrication DWG VERSION NO: 0	WELDING ENGINEER	SUPV: J. SIEGEL	2-15-07	REV B. 04	NCSX-ASSY-FORMAT.E

NCSX-SE185-304