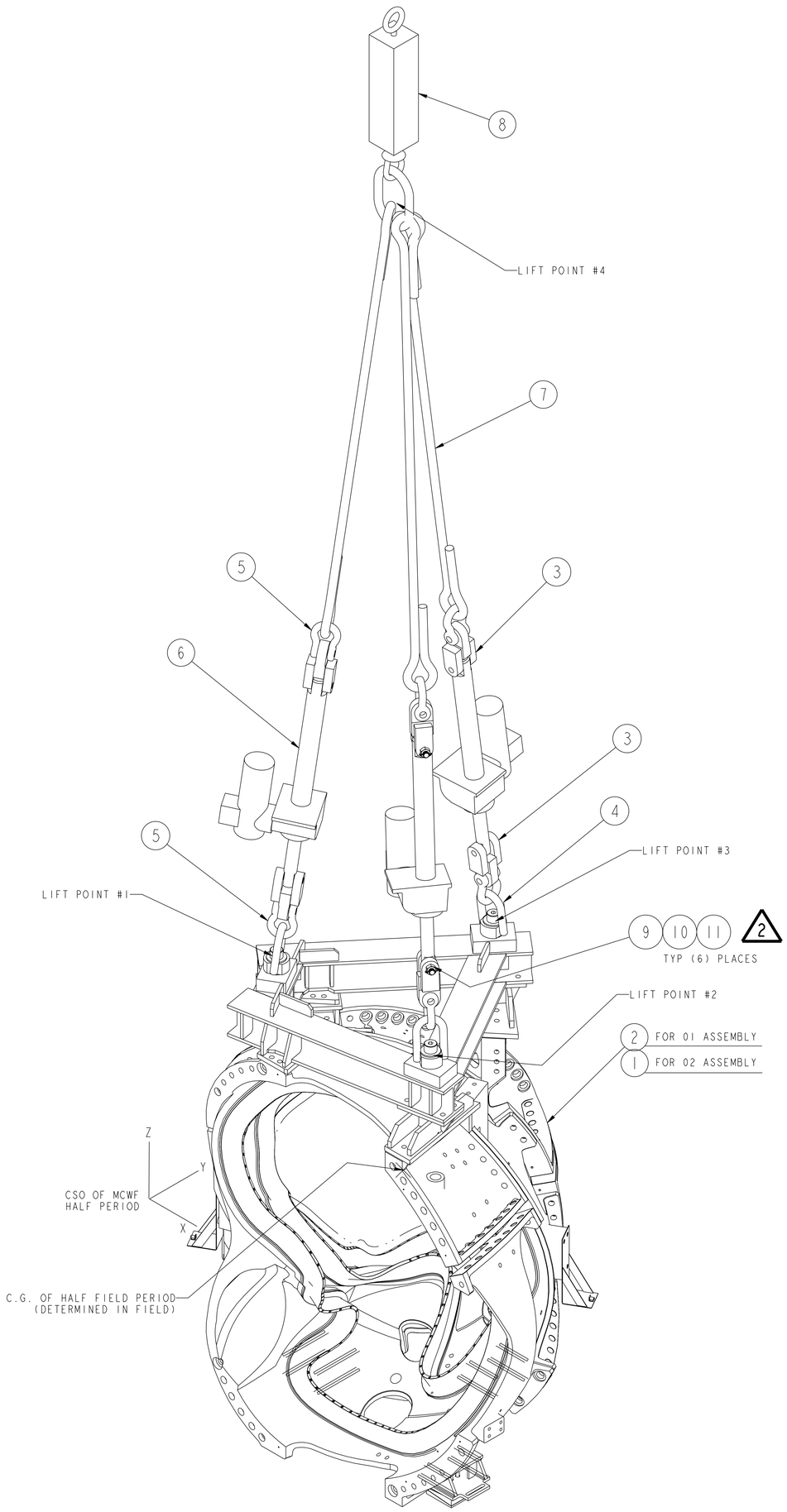
NO.	REVISION	BY	CH	SUP	APPROVED	DATE
2	REVISED PER ECN-5326	LM	TB	JS	T.BROWN	1-29-08



01 ASSEMBLY - SHOWN

02 ASSEMBLY - SIMILAR TO 01 ASSEMBLY EXCEPT AS INDICATED

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 = -285.630

NOTES

1. LIFT POINT CO-ORDINATES ARE TO BE DETERMINED IN FIELD.
2. LIFT POINTS FOR RIGHT HALF PERIOD ASSEMBLY AND LEFT HALF PERIOD ASSEMBLY WILL BE UNIQUE PER ASSEMBLY.
3. THIS DISTANCE (SHEET 2) TO BE DETERMINED IN FIELD.

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting: Jerry Siegel 2008.01.30 08:05:26 -05'00'

02 ASSY	01 ASSY	PART NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REQD
6	6	11	COMM	1/4 DIAMETER x 2" LG COTTER PIN	C'STL - ZN PLT	
6	6	10	COMM	1 3/8-6UNC-2B HEX NUT	C'STL - ZN PLT	
6	6	9	SC185-326	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	SISSCO - TRIPLE ACTUATOR COORDINATED LIFTING SYSTEM #CHS-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	2	SE185-302-02 SE185-314-02	RIGHT HALF PERIOD ASSY W/ SUPTS AND LASER POINTERS AND LIFTING FIXTURE FRAME ASSEMBLY	———	
1	—	1	SE185-302-01 SE185-314-01	LEFT HALF PERIOD ASSY W/ SUPTS AND LASER POINTERS AND LIFTING FIXTURE FRAME ASSEMBLY	———	
X	—	—	THIS DWG	MCWF LEFT HALF PERIOD ASSY W/ SISSCO LIFTING SYSTEM	———	1
—	X	—	THIS DWG	MCWF RIGHT HALF PERIOD ASSY W/ SISSCO LIFTING SYSTEM	———	1

PARTS LIST

NCSX-SE185-304

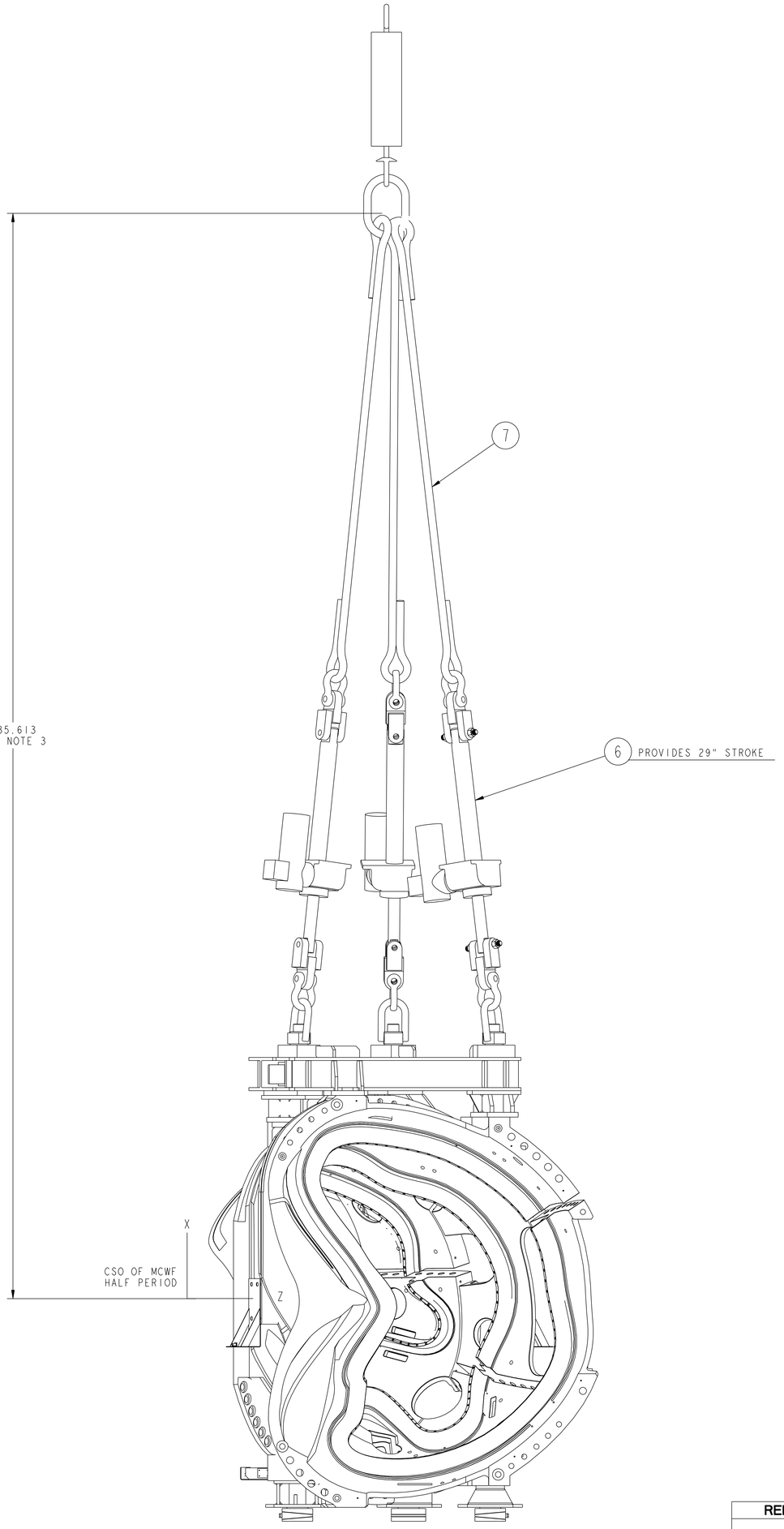
COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT	
Pro E	DIMENSIONS ARE IN INCHES MACHINE SURFACES 125	FIELD PERIOD ASSEMBLY FIELD PERIOD ASSEMBLY FIXTURE - MCWF HALF PERIOD ASSEMBLY WITH SISSCO LIFTING SYSTEM FOR POSITIONING OVER V.V.	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES .005/.020		
	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	2-15-07
NEXT ASSEMBLY	DECIMAL-INCH: .X +/-.100, .XX +/-.030, .XXX +/-.005, ANGULAR +/-0°-15' / FRACTIONS: 0"-12" +/-1/16, 12"-72" +/-1/8, 72"-120" +/-1/4, OVER 120" +/-1/2	CHK: M. VIOLA 2-15-07 / ENGR: T. BROWN 2-15-07 / SUPV: J. SIEGEL 2-15-07	DRAWING NO: SE185-304
			SHEET 1 OF 2 REV 2.04

WEIGHT	MODEL NAME SE185-304	WELDING ENGINEER

RELEASE LEVEL: Fabrication
DWG VERSION NO: 0

NCSX_ASSY_FORMAT_E

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting: Jerry Siegel 2008.01.30 08:06:36 -05'00'

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

RELEASE LEVEL: Fabrication
DWG VERSION NO: 0

WEIGHT
MODEL NAME SE185-304
WELDING ENGINEER
NEXT ASSEMBLY

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED
Pro E
DO NOT VERIFY INFORMATION BY SCALING DRAWING

CENTRAL FILES:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
MACHINE SURFACES
BREAK SHARP EDGES .005/.020
TOLERANCES NON-CUMULATIVE

DECIMAL-INCH	FRACTIONS
.X +/-.100	0"-12" +/-1/16
.XX +/-.030	12"-72" +/-1/8
.XXX +/-.005	72"-120" +/-1/4
ANGULAR +/-0°-15'	OVER 120" +/-1/2

PRINCETON PLASMA PHYSICS LABORATORY
PRINCETON UNIVERSITY
NATIONAL COMPACT STELLARATOR EXPERIMENT
FIELD PERIOD ASSEMBLY
FIELD PERIOD ASSEMBLY FIXTURE - MCWF HALF PERIOD ASSEMBLY WITH SISSCO LIFTING SYSTEM FOR POSITIONING OVER V.V.

DSN: L. MORRIS	2-15-07	DRAWING NO:
CHK: M. VIOLA	2-15-07	SE185-304
ENGR: T. BROWN	2-15-07	
SUPV: J. SIEGEL	2-15-07	SHEET 2 OF 2 REV 2.04

NCSX-SE185-304

NCSX_ASSY_FORMAT_E