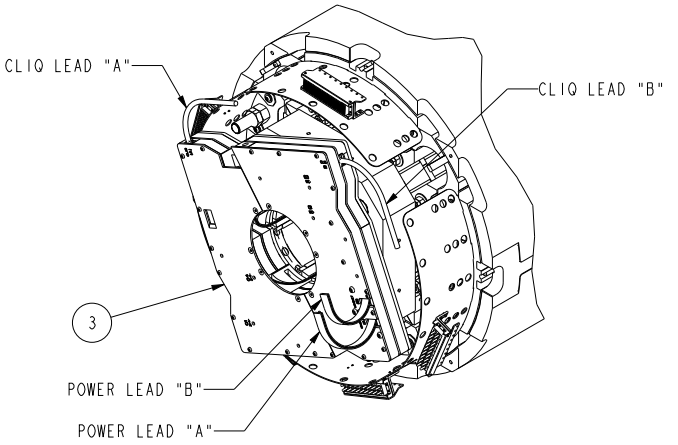
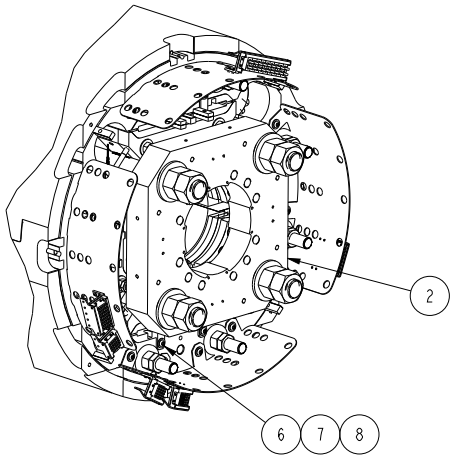
NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) AND VALUES ARE IN SI UNITS. DIMENSIONS AND VALUES IN BRACKETS ARE U.S. CUSTOMARY UNITS (inch) CONVERTED FROM MILLIMETERS / SI UNITS.

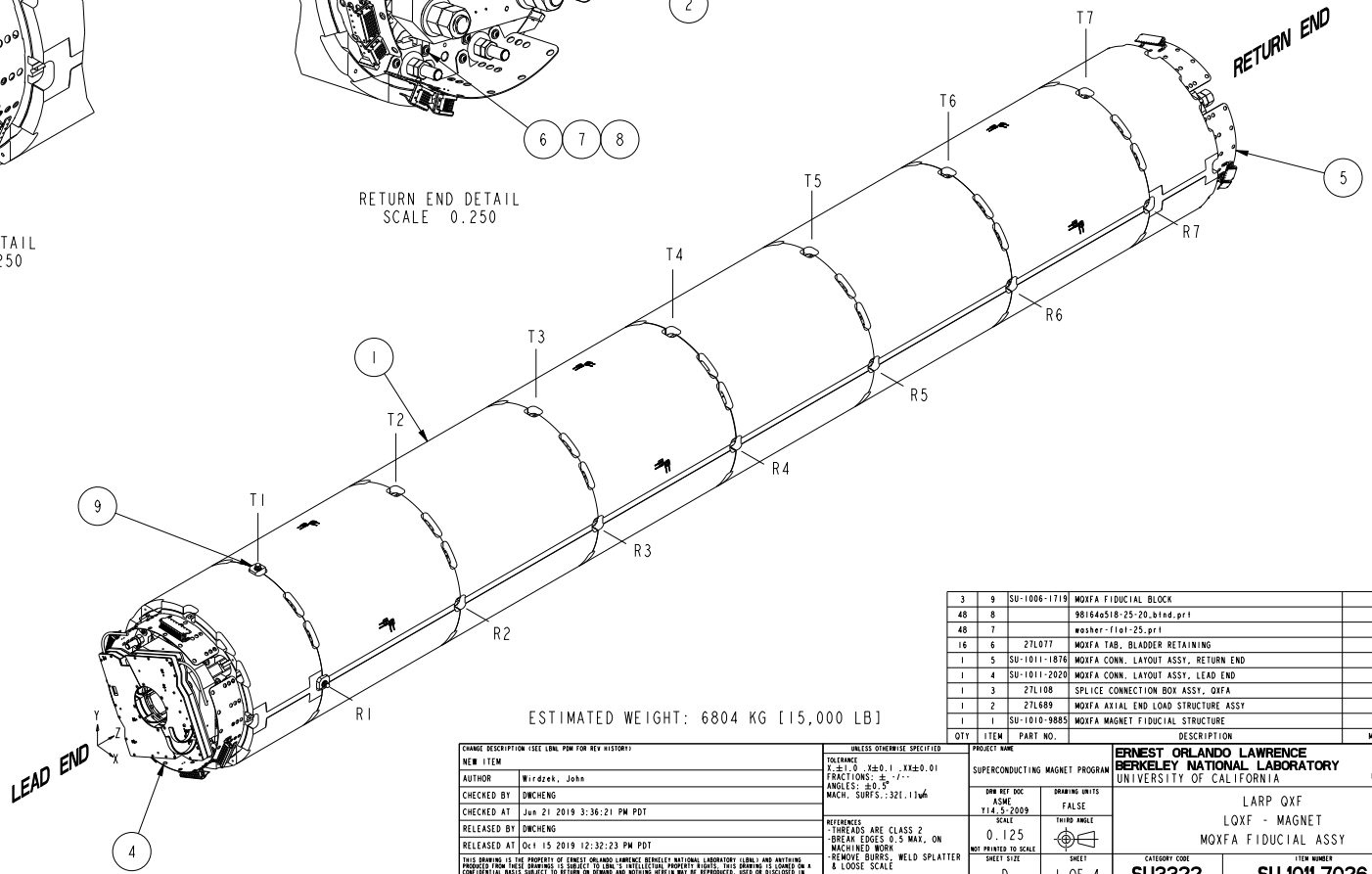
2. APPLICABLE STANDARDS AND SPECIFICATIONS:
ASME Y14.5M-2009, DIMENSIONING AND TOLERANCING.



LEAD END DETAIL
SCALE 0.250



RETURN END DETAIL
SCALE 0.250



ESTIMATED WEIGHT: 6804 KG [15,000 LB]

FID LOC REF	X	Y	Z	FID ID
T1				
T2				
T3				
T4				
T5				
T6				
T7				
R1				
R2				
R3				
R4				
R5				
R6				
R7				
L1				
L2				
L3				
L4				
L5				
L6				
L7				

QTY	ITEM	PART NO.	DESCRIPTION	MATERIAL
3	9	SU-1006-1719	MQXFA FIDUCIAL BLOCK	
48	8		98164a518-25-20_blnd.prt	
48	7		washer-flat-25.prt	
16	6	27L077	MQXFA TAB, BLADDER RETAINING	
1	5	SU-1011-1876	MQXFA CONN. LAYOUT ASSY, RETURN END	
1	4	SU-1011-2020	MQXFA CONN. LAYOUT ASSY, LEAD END	
1	3	27L108	SPLICE CONNECTION BOX ASSY, QXFA	
1	2	27L689	MQXFA AXIAL END LOAD STRUCTURE ASSY	
1	1	SU-1010-9885	MQXFA MAGNET FIDUCIAL STRUCTURE	

CHANGE DESCRIPTION (SEE LBNL PDM FOR REV HISTORY)	
NEW ITEM	
AUTHOR	Wirdzek, John
CHECKED BY	DWCHENG
CHECKED AT	Jun 21 2019 3:36:21 PM PDT
RELEASED BY	DWCHENG
RELEASED AT	Oct 15 2019 12:32:23 PM PDT

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UNLESS OTHERWISE SPECIFIED
TOLERANCE
X.±1.0 .X±0.1 .XX±0.01
FRACTIONS: ± 1/64
ANGLES: ±0.5°
MACH. SURFS.: 32 µin

REFERENCES
-THREADS ARE CLASS 2
-BREAK EDGES 0.5 MAX, ON MACHINED WORK
-REMOVE BURRS, WELD SPLATTER & LOOSE SCALE

PROJECT NAME: SUPERCONDUCTING MAGNET PROGRAM

DRW REF DOC: ASME Y14.5-2009
DRAWING UNITS: FALSE
SCALE: 0.125
THIRD ANGLE
NOT PRINTED TO SCALE
SHEET SIZE: D
SHEET: 1 OF 4

ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA

LARP QXF
LQXF - MAGNET
MQXFA FIDUCIAL ASSY

CATEGORY CODE: SU3322
ITEM NUMBER: SU-1011-7026
REV: A

DWG NO: SU-1011-7026 REV: A SH: 1

CREO Parametric
DRAWING FORMAT REV A