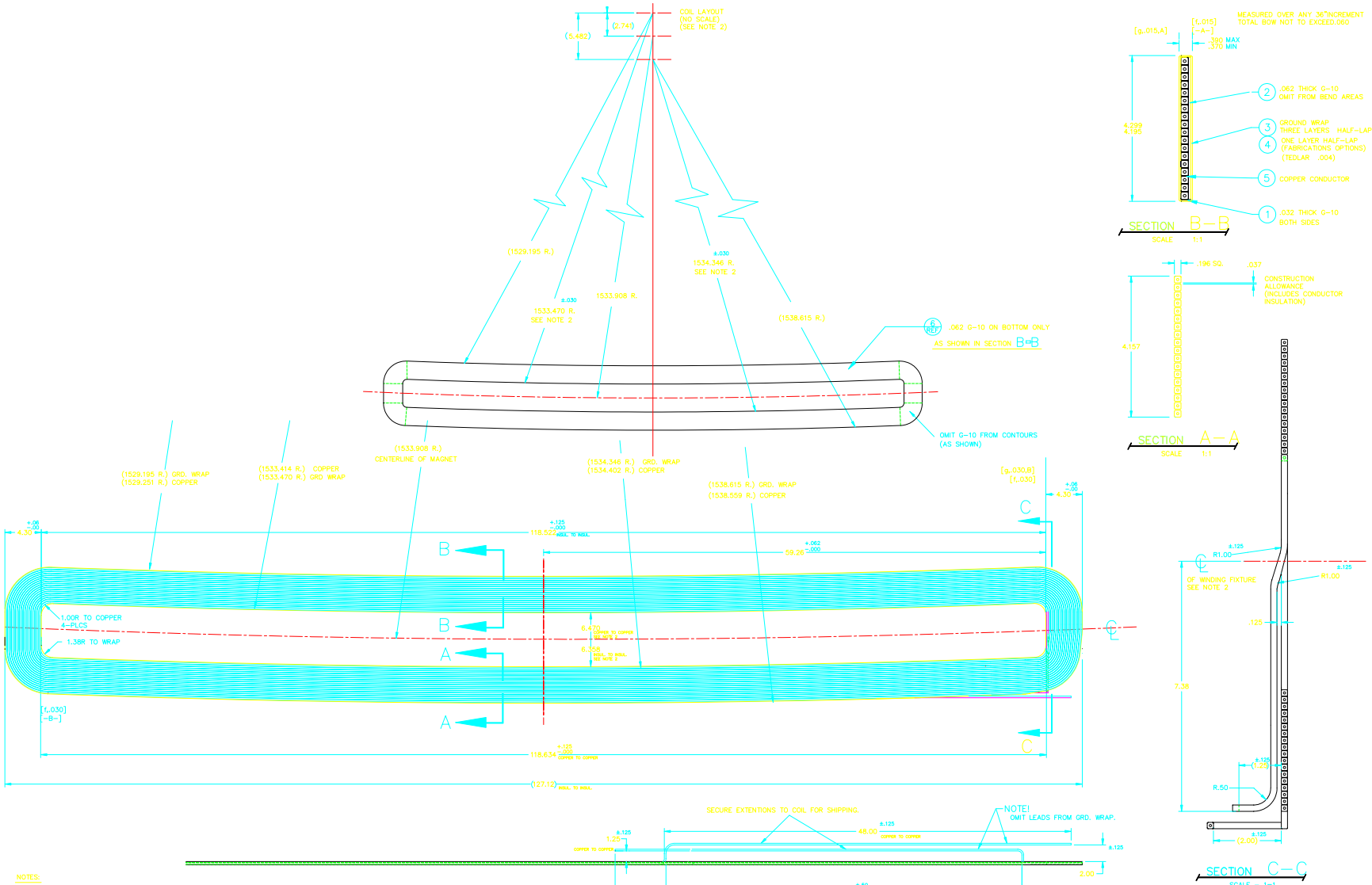
(E)	PLOT SCALE: 1=4	DWG. SCALE: 4	A10480



NOTES:

1.) FABRICATE COIL PER SPECIFICATION NO. 310101-00012

2.) THESE DIM'S. ARE DETERMINED BY WINDING FIXTURE NO. P310101-00139 SUPPLIED BY ANL.

3.) TEDLAR TAPE (ITEM 9) MAY BE USED TO PREVENT EXCESSIVE EPOXY BUILD UP. (AT THE FABRICATER OPTION)

4.) PRIOR TO APPLICATION OF ITEM 5 ALSO DO A HYDROSTATIC LEAK CHECK. PRESSURIZE COIL TO 1000 P.S.I. AND WITH VALVE OFF FROM SYSTEM FOR 1/2 HOUR AFTER THIS TIME, NO LEAK SHALL BE FOUND.

5.) POSITIONAL TOLERANCES APPLY TO FINISHED (IMPREGNATED) COIL.

6.) KEEP G-10, ITEMS 6 & 7 BACK FROM EDGES OF CONDUCTOR BY 1/16"

7.) BRAZE - USE "SILFOS 15" (1185°F)
NO FLUX
CLEAN UP - USE WIRE BRUSH

01 SOURCE:
ARGONNE NAT'L LAB
9700 CASS AVE.
ARGONNE, IL. 60439
(708) 252-2000

02 SOURCE:
KEEGAN ENTERPRISES
466 CENTRAL AVE.
NORTHFIELD,ILL. 60093
(708) 466-7331

03 SOURCE:
E.I. DUPONT
200 E. DEVON AVE.
DES PLAINES, ILL.
(800) 441-9494

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
5	310101-00038	COPPER CONDUCTOR	SEE DRAWING	AR
4	.002 X 1.00 WIDE	DUPONT TEDLAR TAPE	PUR.	AR
3	.007 X1.00 WIDE	(#ECC-118) FIBERGLASS TAPE	PUR	AR
2	.062 THICK	NEMA GRADE G-10	PUR	AP
1	.032 THICK	NEMA GRADE G-10	PUR.	AR

PARTS LIST

REVISIONS				
02	SEE DCN 930426-03	SH	L/G/M	
01	SEE DCN 921117-06	CRP	11/16	
SYM	DESCRIPTION	BY	CHKD	DATE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ±
FRACTIONS ±
ANGLES ±
SURFACE ROUGHNESS √
REMOVE ALL BURRS AND SHARP EDGES
MAKE NOTE TO BE A CONFORMANCE TO DRAWING
DO NOT SCALE DRAWING

LOB NUMBER A10480
DRAWN BY TOM CRAIN 9/25/91
DESIGN BY TOM CRAIN 11/10/91
MATERIAL SEE PARTS LIST

THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY

ADVANCED PHOTON SOURCE
STORAGE RING
TECHNICAL COMPONENTS
DIPOLE MAGNETS
UPPER CORRECTION
COIL ASSEMBLY

SCALE 1=4 SHEET 1 of 1
SIZE E
DWG NUMBER 310101-00065-02