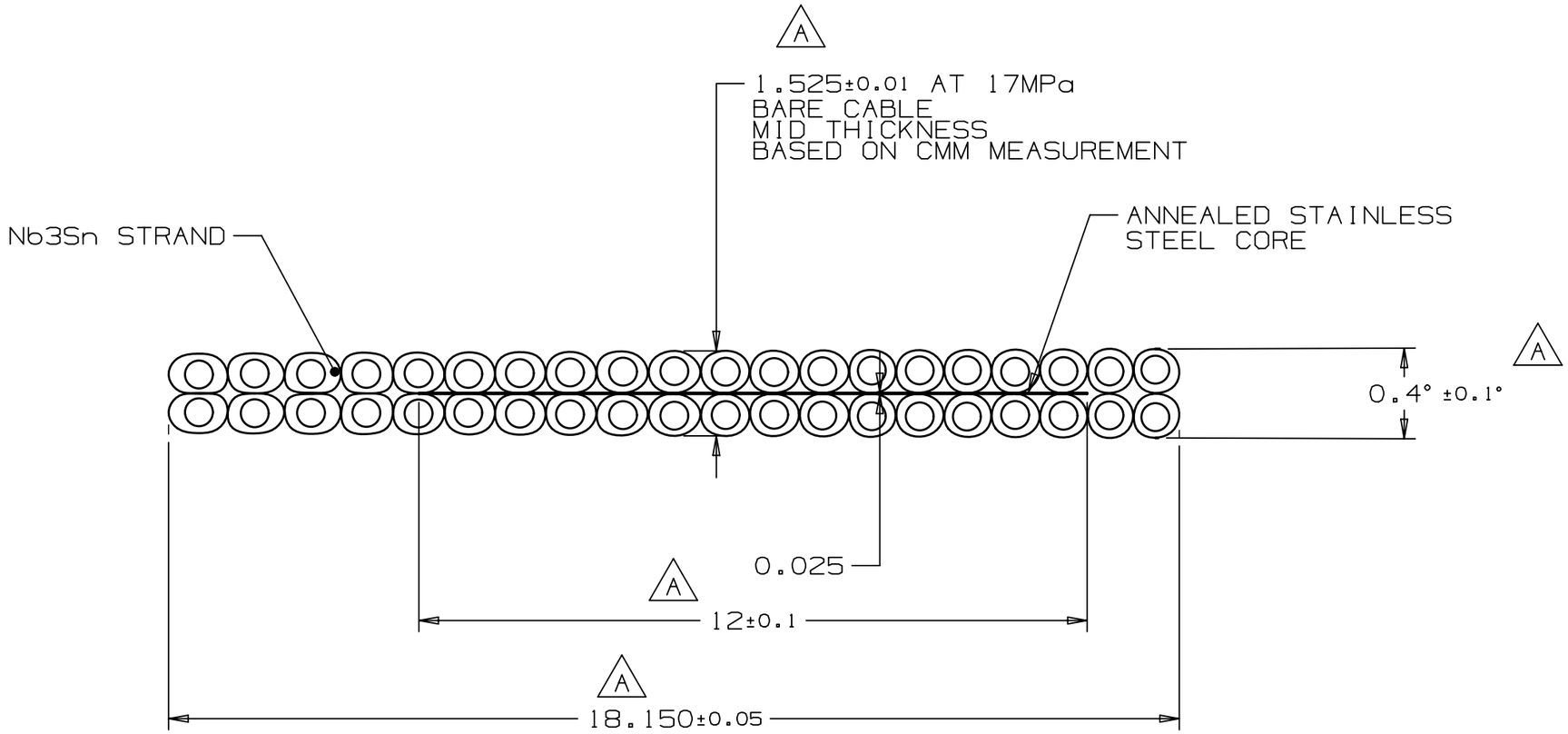
DESCRIPTION: QXF V2 BARE CABLE
CATEGORY: CABLE PROJECT: LHCLARPMagnets

REV	REVISION CONTROL DOCUMENT	DATES	SIGNATURES	
A	F10043170-A-RCD	30-Nov-2015	DRAWN	J.COGHILL
		30-Nov-2015	APPROVED	M.YU



A

NOTES (UNLESS OTHERWISE SPECIFIED):

A 1.

A 2. CABLE AFTER REACTION, 1.2% GROWTH IN WIDTH & 4.5% GROWTH IN MID THICKNESS ARE ASSUMED.

A 3. THE DIMENSIONS IN THE DRAWING ARE AS MANUFACTURED WITHOUT HEAT TREATMENT.

A 4. THIS IS FOR 2ND GENERATION BARE CABLE

SPECIFICATION NUMBER	LARP-MAG-M-8005
CABLE CORE MAT'L	316L SS
CABLE LAY DIRECTION	LEFT
CABLE LAY PITCH	109.0±3mm
KEYSTONE ANGLE	0.4° ±0.1°
STRAND DIAMETER	0.85mm
STRAND QTY	40

CABLE SPECIFICATION

UNLESS OTHERWISE SPECIFIED				
±X	±X.X	±X.XX	±X/X	±X°
2	0.3	0.12	N/A	1°

BREAK ALL SHARP EDGES 0.5 MAX.
DO NOT SCALE DRAWING
DIMENSIONS BASED ON ASME Y14.5-2009
MAX. ALL MACH SURFACES 3.2
DRAWING UNITS: MM

DRAWN	J.COGHILL	DATE	30-Jun-2015
CHECKED	V.MARTINEZ	DATE	30-Jun-2015
APPROVED	M.YU	DATE	30-Jun-2015

USED ON
F10039731

MATERIAL
SEE NOTES & VIEWS

GROUP: Technical Division - Design and Drafting CAGE CODE: 0U5R6

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

NAME
QXF V2 BARE CABLE

SCALE	SIZE	DRAWING NUMBER	SHEET	REV
10:1	A3	F10043170	1 OF 1	A