REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
A	CRYOSTAT RAISED 24" GENERAL FIELD CHECK DIMENSIONAL CHANGES	G SMITH	08-NOV-2013
			12-NOV-2013
B	UPDATE BEAMLINE LAYOUT TO SHOW CRYOPLANT	G SMITH	29-DEC-2013
		G SMITH	29-DEC-2013
C	UPDATE BEAMLINE LAYOUT TO SHOW NEW COMPONETS LOCATIONS & MODIFIED CRYOPLANT	G SMITH	09-OCT-2014
		G SMITH / R RUCINSKI	17-OCT-2014

411.32
[34'-3 5/16"]

24.00 63.00

NORTH

RACK COMM.

MC7-100 RACK COSMIC MUON | MC7-101 RACK SCINTI. | MC7-102 RACK DAQ COMPUTERS | MC7-103 RACK DAQ VME

36

30

20 CRYO I/O RACK 32

ODH 10 24

30.68 STAY CLEAR

114.34
[2 m 904 mm]

HEATER ABOVE 80.00
TIME OF FLIGHT #1

ANALYZER RACK | ANALYZER RACK

BONNET VALVE

HEAT & AIR DUCT STAY CLEAR ABOVE 85.00

B B

37.63

83.97

41.21
[1 m 47 mm]

SECONDARY BEAM

COLLIMATOR

MAGNET (NOB1) MAGNET (NOB2)

ø30.00
STAY CLEAR

CRYOSTAT

HEAT & AIR DUCT STAY CLEAR ABOVE 102.80

107.17
[2 m 72 cm]

(3)CONTROL RELAY RACKS

ODH FAN

27.00 STAY CLEAR ABOVE 99.00

DO NOT BLOCK ROLL UP DOOR IN THIS AREA

48.00
[4'-0"]

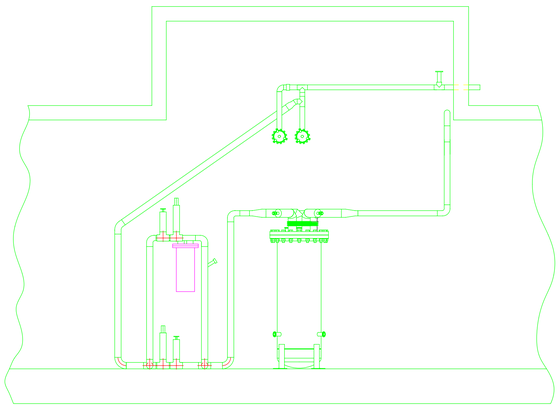
ROLL-UP DOOR
11'-6" WIDE
8'-0" HIGH

428.67
[35'-8 21/32"]

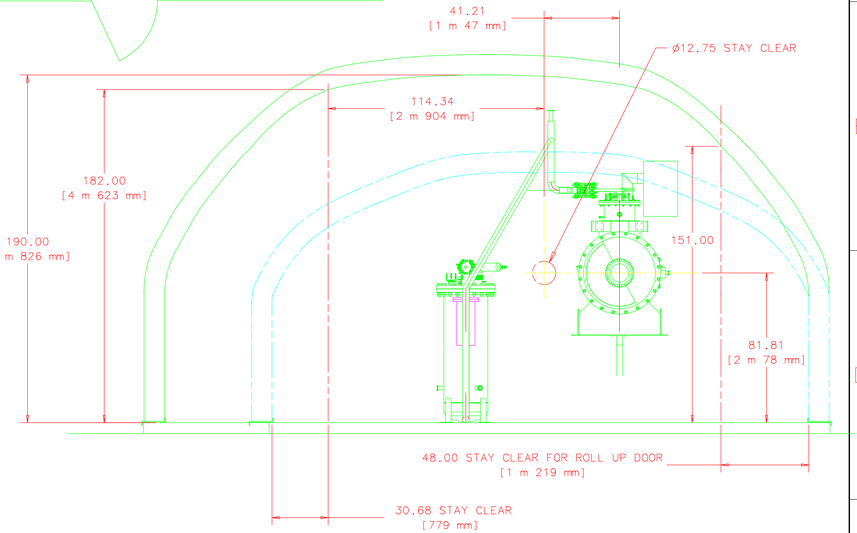
138.00
[11'-6"]

LAr DEWAR

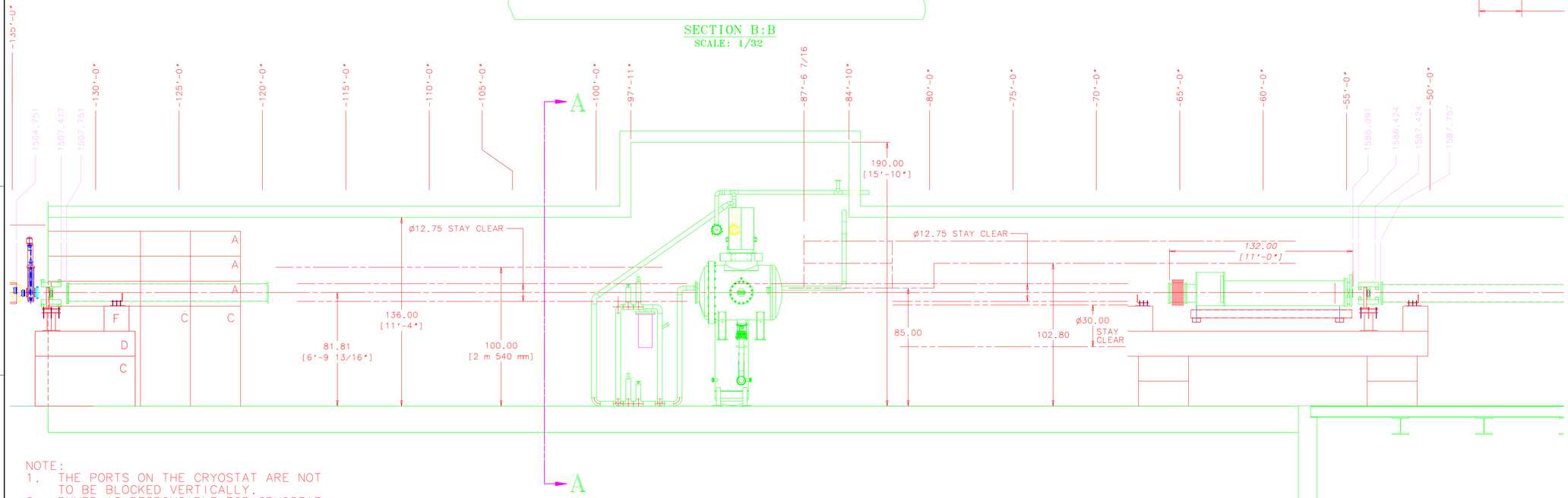
6' O.D.



SECTION B:B
SCALE: 1/32



SECTION A:A
SCALE: 1/32



NOTE:
1. THE PORTS ON THE CRYOSTAT ARE NOT TO BE BLOCKED VERTICALLY.
2. BUYER IS RESPONSIBLE FOR CRYOSTAT STAND EXTENSION.

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.

PARTS LIST

UNLESS OTHERWISE SPECIFIED	ORIGINATOR	T.TOPE	10-APR-2013
.XX .XXX ANGLES	DRAWN	J.RAUCH	10-APR-2013
± --- ± --- ± ---	CHECKED	T.TOPE	02-MAY-2013
1. BREAK ALL SHARP EDGES .015 MAX.	APPROVED	R.RUCINSKI	02-MAY-2013
2. DO NOT SCALE DRAWING.	USED ON		
3. DIMENSIONS BASED UPON ASME Y14.5M-1994			
4. MAX. ALL MACH. SURFACES	MATERIAL		
5. DRAWING UNITS: U.S. INCH			

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

PPD/MECHANICAL DEPT.
E907 M-CENTER BEAMLINE
LARIAT EQUIPMENT LAYOUT-MC7

SCALE	DRAWING NUMBER	SHEET	REV
1:32 OR NOTED	9211.520-ME-493650	1 OF 1	B

CREATED WITH : Ideas12NXSeries | GROUP: PPD/MECHANICAL DEPARTMENT