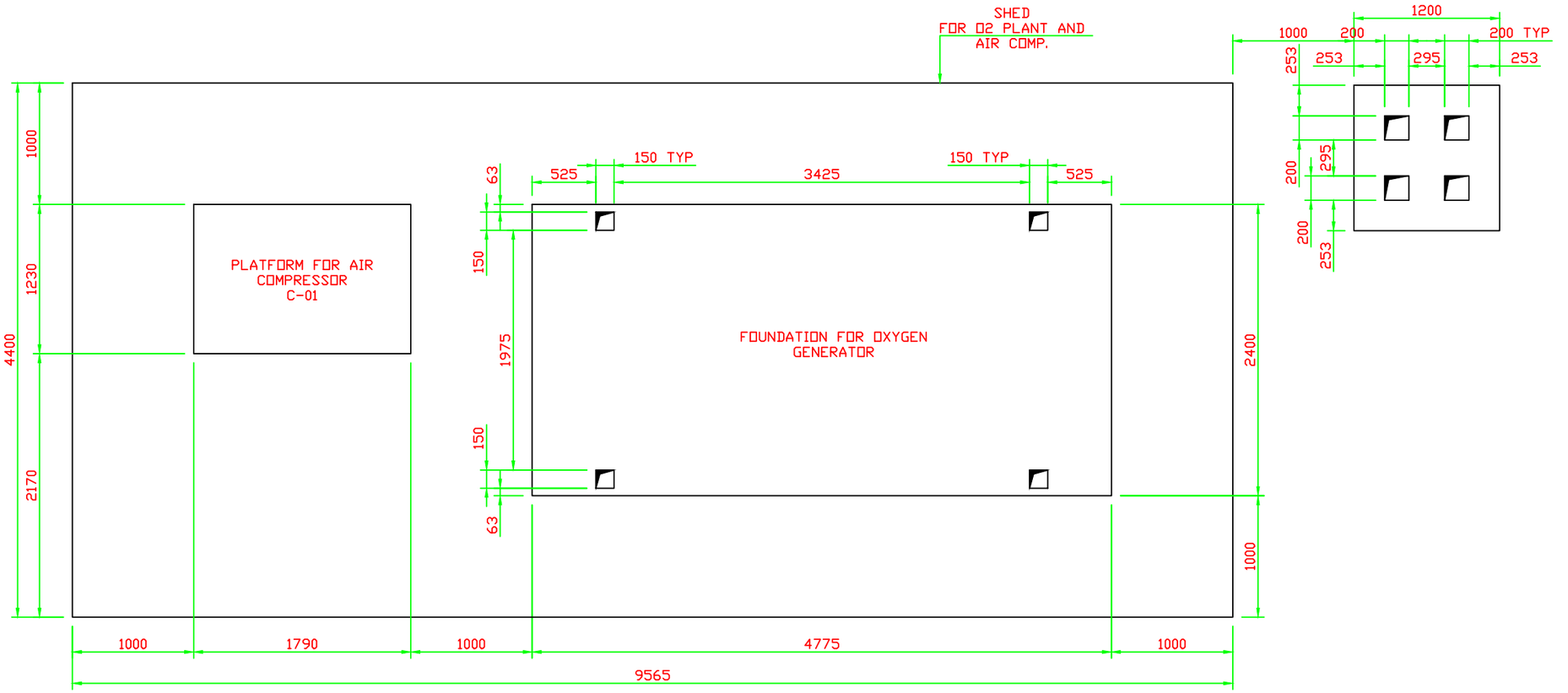
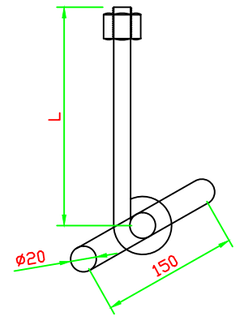
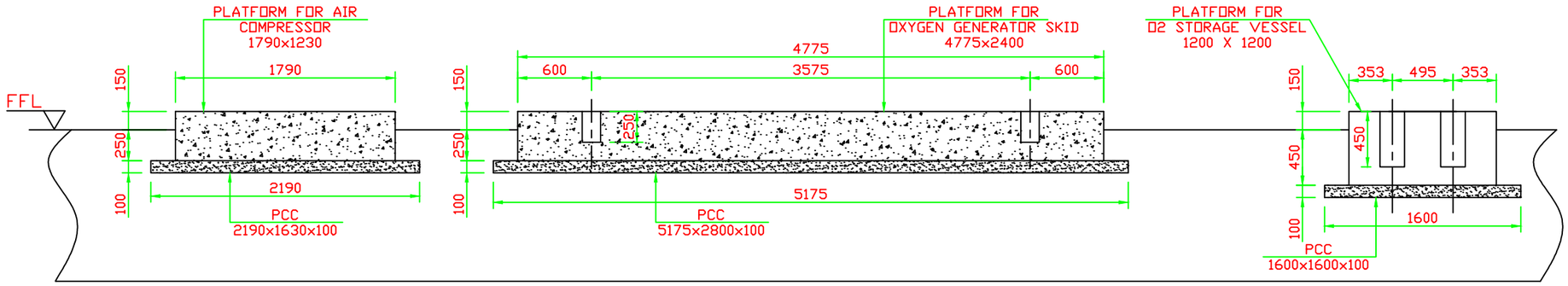


EQUIPMENT LAYOUT PLAN



FOUNDATION BOLT DETAILS



BOLT DETAILS

Skid No.	Description	Bolt Size	Length (mm)	Quantity
C01	Air Compressor	No Foundation Bolts required		
	PSA Skid	M 18	300	4
	O2 storage Vessel	M 18	525	4

Load Details			
Description	Size	Weight in kg	
		Empty	Operating
1. Air Compressor	1590 L x 1030 D x 1745 H	1000	1000
2. Ref. Dryer	1025 L x 660 D x 1120 H	130	130
3. Dry Air Receiver	ID 900 x 2000 OH x 6/8 Thk.	365	365
4. Pre-Filter	Manufacture Std	15	15
5. A.C. Filter	Manufacture Std	15	15
6. Alumina Tower 01	450 NB x 1350 OH x 6/6 Thk	150	310
6. Alumina Tower 02	450 NB x 1350 OH x 6/6 Thk	150	310
6. PSA Tower 01	ID 695 x 2100 OH x 6/6 Thk	350	980
6. PSA Tower 02	ID 695 x 2100 OH x 6/6 Thk	350	980
7. Surge Vessel	ID 1285 x 2050 OH x 6/8 Thk	610	610
8. O2 Storage Vessel	ID 1050 x 3300 OH x 6/8 Thk	625	625

Notes

1. All dimensions are in mm unless otherwise specified.
2. A clear space as marked shall be left all around the plant for maintenance of operating personnel.
3. Loads are equally distributed on foundation block, there is no unbalance force.
4. Foundation must be checked by civil experts as per local soil condition.
5. All foundation bolts shall be grouted only after fixing the base frame or Vessels.
6. Cable entry and exit shall be from bottom of panel.
7. Total Plant Area required : 9.6 M x 4.4 M
8. Shed for Air Compressor & PSA Skid shall be provided by client.
9. All instruments are at approachable height , so no need of intermediate top platform.

APPROVAL STATUS

- ☐ APP: Approved
- ☐ RWC: Reviewed with comments
- ☐ Rej: Rejected
- ☐ For Information Only

REV.	DATE	DESCRIPTION	DRN	CHKD	APP'D
A	12.6.18	ISSUED FOR APPROVAL	NTS	VP	RJ

PROJECT TITLE: BHEL R&D (HYDERABAD)

CLIENT: BHARAT HEAVY ELECTRICALS LIMITED
CORPORATE RESEARCH & DEVELOPMENT DIVISION
VIKASNAGAR, HYDERABAD - 500 093 INDIA

CONTRACTOR: SPANTECH ENGINEERS PVT. LTD.
NAVI MUMBAI

VENDOR : SPANTECH ENGINEERS PVT. LTD.
NAVI MUMBAI

PACKAGE / ITEM NAME: OXYGEN GENERATOR PACKAGE

PO No: 84170202-1-01 | Tag No: O2-25-93-3

DRAWING TITLE: FOUNDATION DRAWING FOR OXYGEN GENERATOR PACKAGE

DRAWING No. : JO-18018-12

SCALE: NTS | SHEET: 1 OF 1 | REV A

FILE PATH: E:\MITESH PC 23112017\2018\JO-18018 - BHEL\LAYOUT DRAWING.DWG

A2 594x420