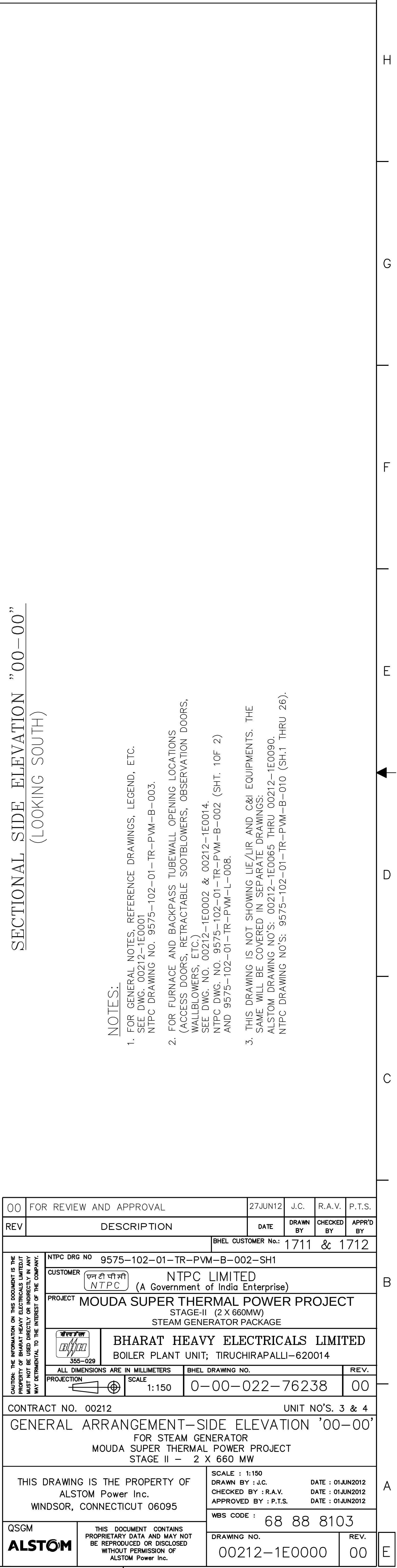
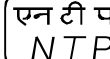


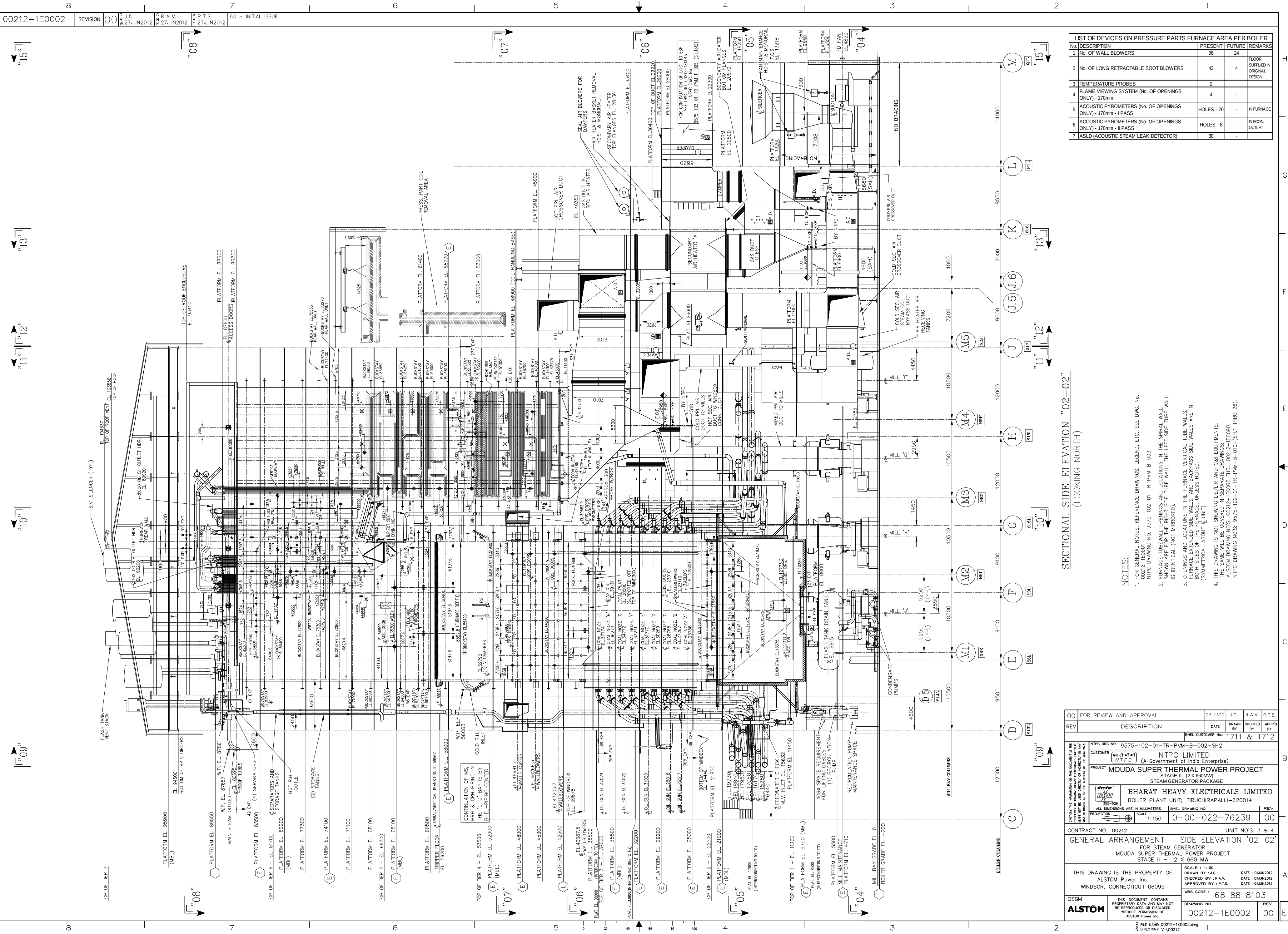


SECTIONAL SIDE ELEVATION "00-00"
(LOOKING SOUTH)

NOTES:

1. FOR GENERAL NOTES, REFERENCE DRAWINGS, LEGEND, ETC., SEE DWG. 00212-IE0001
NTPC DRAWING NO. 9575-102-01-TR-PWM-B-003.
2. FOR FURNACE AND BACKSTAP SUBTALL OPENING LOCATIONS (ACCESS DOORS, RETRACTABLE TUBEWALLS, OBSERVATION DOORS, WALLBLOWERS, ETC.) SEE DWG. NO. 00212-IE0002 & 00212-IE0014.
SEE DWG. NO. 00212-IE0001
NTPC DRAWING NO. 9575-102-01-TR-PWM-B-002 (SHT. 1 OF 2)
AND 9575-102-01-TR-PWM-L-008.
3. THIS DRAWING IS NOT SHOWING LE/JR AND C&I EQUIPMENTS. THE SAME WILL BE COVERED IN SEPARATE DRAWINGS.
ALSTOM DRAWING NOS: 00212-IE0003 THRU 00212-IE0030.
NTPC DRAWING NOS: 9575-102-01-TR-PWM-B-010 (SHT 1 THRU 26)

00	FOR REVIEW AND APPROVAL	27JUN12	J.C.	R.A.V.	P.T.S.
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPRD BY
		BHEL CUSTOMER No.:	1711	& 1712	
NTPC DRG NO 9575-102-01-TR-PYM-B-002-SH1 CUSTOMER  NTPC LIMITED (A Government of India Enterprise) PROJECT MOUDA SUPER THERMAL POWER PROJECT STAGE-II (2 X 660MW) STEAM GENERATOR PACKAGE					
 BHARAT HEAVY ELECTRICALS LIMITED BOILER PLANT UNIT; TIRUCHIRAPALLI-620014					
ALL DIMENSIONS ARE IN MILLIMETERS SCALE 1:150 BHEL DRAWING NO. 0-00-022-76238 REV. 00					
CONTRACT NO. 00212 UNIT NO'S. 3 & 4 GENERAL ARRANGEMENT-SIDE ELEVATION '00-00' FOR STEAM GENERATOR MOUDA SUPER THERMAL POWER PROJECT STAGE II - 2 X 660 MW					
THIS DRAWING IS THE PROPERTY OF ALSTOM Power Inc. WINDSOR, CONNECTICUT 06095			SCALE: 1:150 DRAWN BY : J.C. CHECKED BY : R.A.V. APPROVED BY : P.T.S. DATE: 01/JAN/2012 DATE: 01/JAN/2012		
QSGM ALSTOM			WBS CODE : 68 88 8103 DRAWING NO. 00212-1E0000 REV. 00		

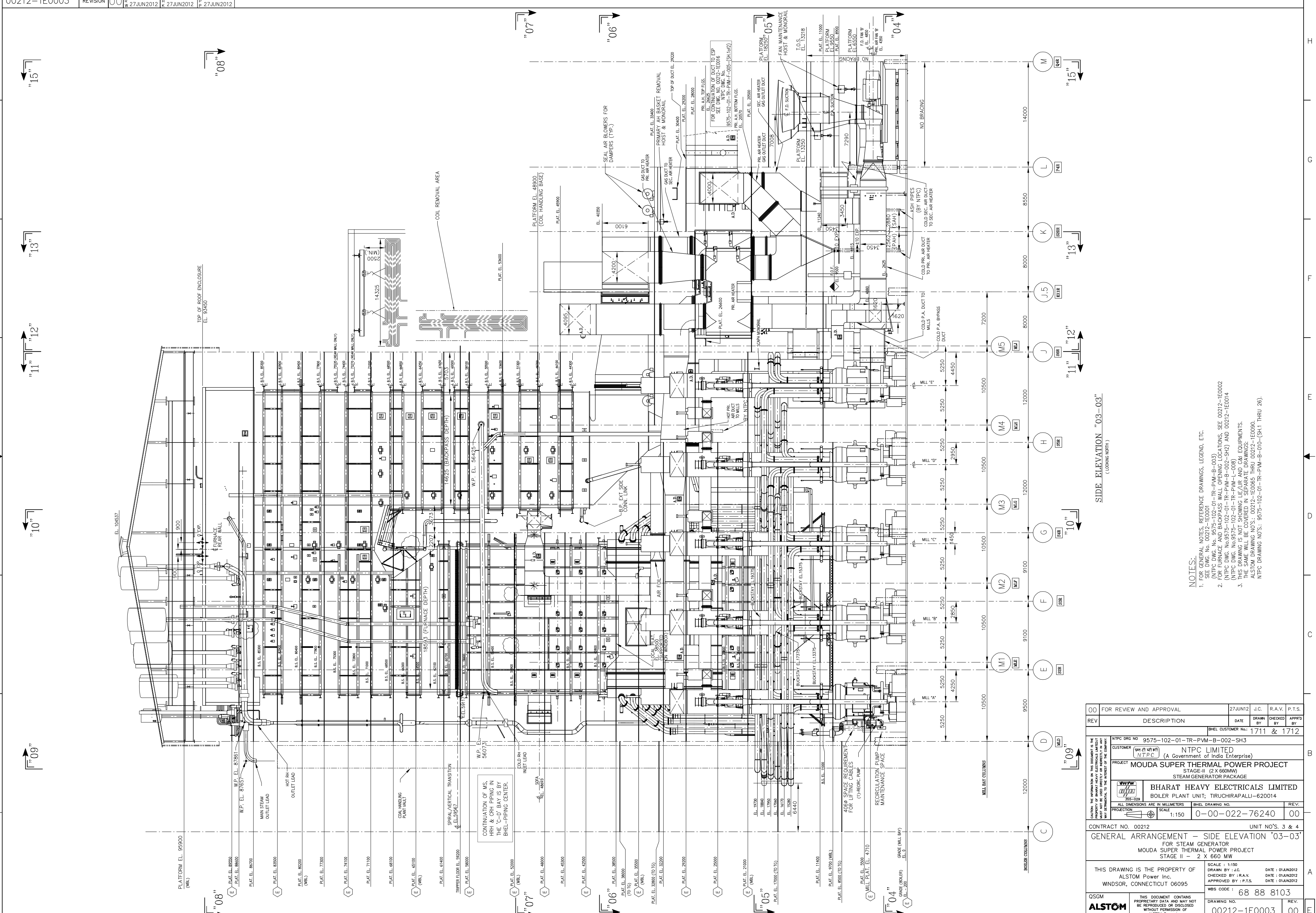


LIST OF DEVICES ON PRESSURE PARTS FURNACE AREA PER BOILER			
No.	DESCRIPTION	PRESENT	FUTURE
1	No. OF WALL BLOWERS	96	24
2	No. OF LONG RETRACTABLE SOOT BLOWERS	42	4
3	TEMPERATURE PROBES	2	-
4	FLAME VIEWING SYSTEM (No. OF OPENINGS ONLY) - 170mm	4	-
5	ACOUSTIC PYROMETERS (No. OF OPENINGS ONLY) - 170mm - I PASS	HOLES - 20	-
6	ACOUSTIC PYROMETERS (No. OF OPENINGS ONLY) - 170mm - II PASS	HOLES - 8	-
7	ASLD (ACOUSTIC STEAM LEAK DETECTOR)	30	-

SECTIONAL SIDE ELEVATION "02-02"
(LOOKING NORTH)

- NOTES:
- FOR GENERAL NOTES, REFERENCE DRAWINGS, LEGEND, ETC. SEE DWG. NO. 00212-1E0001
NTPC DRAWING NO. 9575-102-01-TR-PVM-B-003.
 - FURNACE TUBEWALL OPENINGS AND LOCATIONS IN THE SPIRAL WALL IS IDENTICAL (NOT MIRROR).
 - OPENINGS AND LOCATIONS IN THE FURNACE VERTICAL TUBE WALLS, BOTH SIDES OF THE FURNACE, AND BACKPASS SIDE WALLS ARE IN (SYMMETRICAL ABOUT 0° UNIT)
 - THIS DRAWING IS NOT SHOWING LIE AIR AND GAS EQUIPMENTS. THE SAME WILL BE COVERED IN SEPARATE DRAWINGS.
ALSTOM DRAWING NO'S: 00212-1E0065 THRU 00212-1E0090.
NTPC DRAWING NO'S: 9575-102-01-TR-PVM-B-010-(SH-1 THRU 26).

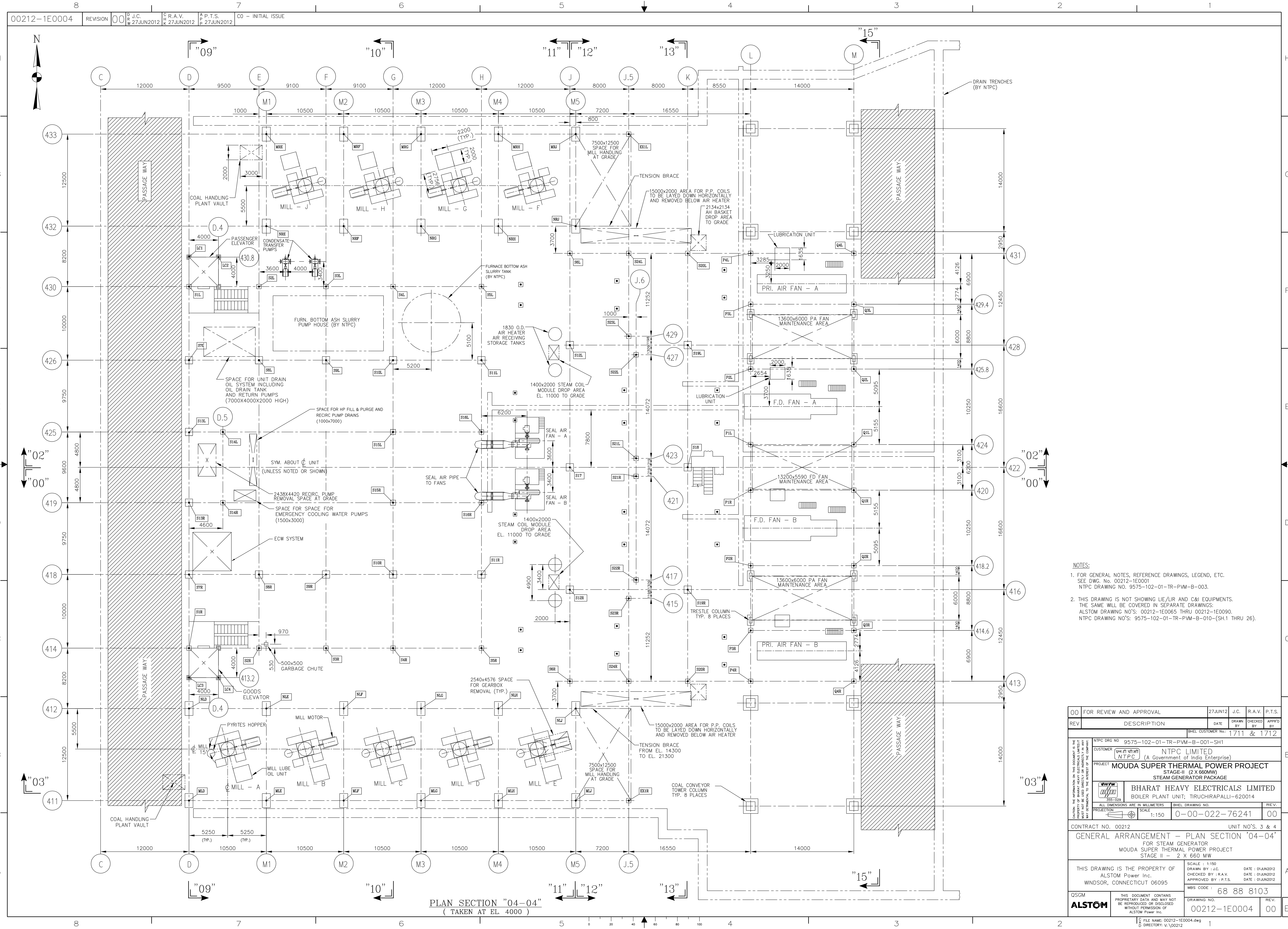
00	FOR REVIEW AND APPROVAL	27JUN12	J.C.	R.A.V.	P.T.S.
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPROD BY
			1711	&	1712
NTPC ORG NO 9575-102-01-TR-PVM-B-002-SH2					
CUSTOMER NTPC LIMITED (A Government of India Enterprise)					
PROJECT MOUDA SUPER THERMAL POWER PROJECT STAGE-II (2 X 660MW) STEAM GENERATOR PACKAGE					
BHARAT HEAVY ELECTRICALS LIMITED BOILER PLANT UNIT; TIRUCHIRAPALLI-620014					
ALL DIMENSIONS ARE IN MILLIMETERS					
SCALE 1:150					
CONTRACT NO. 00212					
UNIT NO'S 3 & 4					
GENERAL ARRANGEMENT - SIDE ELEVATION "02-02" FOR STEAM GENERATOR MOUDA SUPER THERMAL POWER PROJECT STAGE II - 2 X 660 MW					
THIS DRAWING IS THE PROPERTY OF ALSTOM Power Inc. WINDSOR, CONNECTICUT 06095					
DATE : 01/JUN/2012 CHECKED BY : R.A.V. APPROVED BY : P.T.S.					
WBS CODE : 68 88 8103					
DRAWING NO. 00212-1E0002					
REV. 00					



SIDE ELEVATION "03-03"
(LOOKING NORTH)

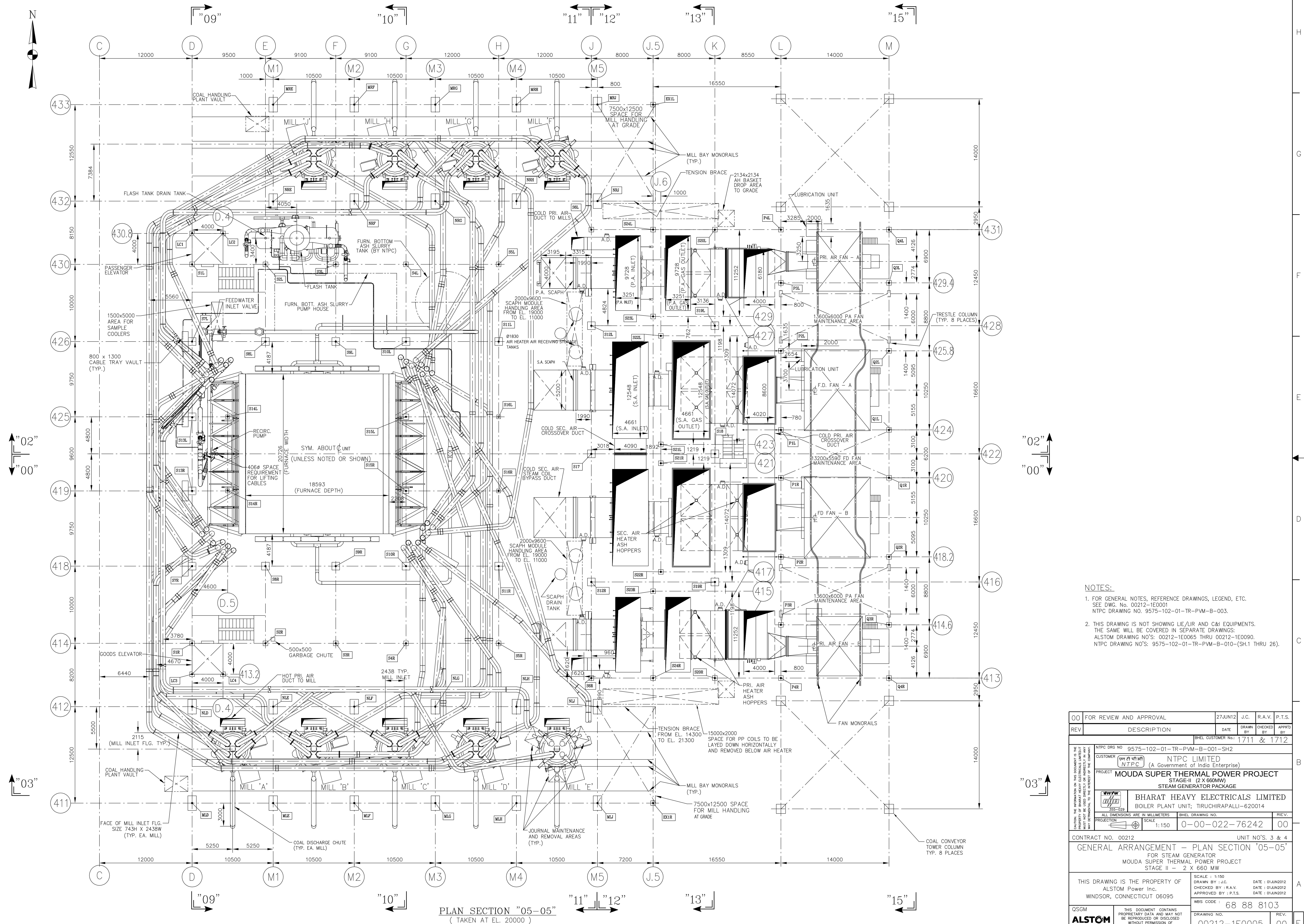
- NOTES:**
1. FOR GENERAL NOTES, REFERENCE DRAWINGS, ETC., SEE DWG. NO. 02012-TE0007.
 2. FOR FURNACE AND PROCESS WELD OPENING LOCATIONS, SEE 02012-TE0002 (NTPC DWG. NO.9575-102-01-TR-PW-B-003).
 3. FOR FURNACE AND PROCESS WELD OPENING LOCATIONS, SEE 02012-TE0014 (NTPC DWG. NO.9575-102-01-TR-PW-B-002-SH2).
 4. FOR FURNACE AND PROCESS WELD OPENING LOCATIONS, SEE 02012-TE0014 (NTPC DWG. NO.9575-102-01-TR-PW-L-008).
 5. THIS DRAWING IS NOT SHOWING IE/LIR AND C&I EQUIPMENTS.
 6. CUSTOM DRAWING NOS.: 02012-TE0065, TR-010-TE0090, 02012-TE0066, TR-010-TE0091, 02012-TE0067, TR-010-TE0092, 02012-TE0068, TR-010-TE0093, 02012-TE0069, TR-010-TE0070, 02012-TE0071, 02012-TE0072, 02012-TE0073, 02012-TE0074, 02012-TE0075, 02012-TE0076, 02012-TE0077, 02012-TE0078, 02012-TE0079, 02012-TE0080, 02012-TE0081, 02012-TE0082, 02012-TE0083, 02012-TE0084, 02012-TE0085, 02012-TE0086, 02012-TE0087, 02012-TE0088, 02012-TE0089, 02012-TE0090, 02012-TE0091, 02012-TE0092, 02012-TE0093, 02012-TE0094, 02012-TE0095, 02012-TE0096, 02012-TE0097, 02012-TE0098, 02012-TE0099, 02012-TE0100, 02012-TE0101, 02012-TE0102, 02012-TE0103, 02012-TE0104, 02012-TE0105, 02012-TE0106, 02012-TE0107, 02012-TE0108, 02012-TE0109, 02012-TE0110, 02012-TE0111, 02012-TE0112, 02012-TE0113, 02012-TE0114, 02012-TE0115, 02012-TE0116, 02012-TE0117, 02012-TE0118, 02012-TE0119, 02012-TE0120, 02012-TE0121, 02012-TE0122, 02012-TE0123, 02012-TE0124, 02012-TE0125, 02012-TE0126, 02012-TE0127, 02012-TE0128, 02012-TE0129, 02012-TE0130, 02012-TE0131, 02012-TE0132, 02012-TE0133, 02012-TE0134, 02012-TE0135, 02012-TE0136, 02012-TE0137, 02012-TE0138, 02012-TE0139, 02012-TE0140, 02012-TE0141, 02012-TE0142, 02012-TE0143, 02012-TE0144, 02012-TE0145, 02012-TE0146, 02012-TE0147, 02012-TE0148, 02012-TE0149, 02012-TE0150, 02012-TE0151, 02012-TE0152, 02012-TE0153, 02012-TE0154, 02012-TE0155, 02012-TE0156, 02012-TE0157, 02012-TE0158, 02012-TE0159, 02012-TE0160, 02012-TE0161, 02012-TE0162, 02012-TE0163, 02012-TE0164, 02012-TE0165, 02012-TE0166, 02012-TE0167, 02012-TE0168, 02012-TE0169, 02012-TE0170, 02012-TE0171, 02012-TE0172, 02012-TE0173, 02012-TE0174, 02012-TE0175, 02012-TE0176, 02012-TE0177, 02012-TE0178, 02012-TE0179, 02012-TE0180, 02012-TE0181, 02012-TE0182, 02012-TE0183, 02012-TE0184, 02012-TE0185, 02012-TE0186, 02012-TE0187, 02012-TE0188, 02012-TE0189, 02012-TE0190, 02012-TE0191, 02012-TE0192, 02012-TE0193, 02012-TE0194, 02012-TE0195, 02012-TE0196, 02012-TE0197, 02012-TE0198, 02012-TE0199, 02012-TE0200, 02012-TE0201, 02012-TE0202, 02012-TE0203, 02012-TE0204, 02012-TE0205, 02012-TE0206, 02012-TE0207, 02012-TE0208, 02012-TE0209, 02012-TE0210, 02012-TE0211, 02012-TE0212, 02012-TE0213, 02012-TE0214, 02012-TE0215, 02012-TE0216, 02012-TE0217, 02012-TE0218, 02012-TE0219, 02012-TE0220, 02012-TE0221, 02012-TE0222, 02012-TE0223, 02012-TE0224, 02012-TE0225, 02012-TE0226, 02012-TE0227, 02012-TE0228, 02012-TE0229, 02012-TE0230, 02012-TE0231, 02012-TE0232, 02012-TE0233, 02012-TE0234, 02012-TE0235, 02012-TE0236, 02012-TE0237, 02012-TE0238, 02012-TE0239, 02012-TE0240, 02012-TE0241, 02012-TE0242, 02012-TE0243, 02012-TE0244, 02012-TE0245, 02012-TE0246, 02012-TE0247, 02012-TE0248, 02012-TE0249, 02012-TE0250, 02012-TE0251, 02012-TE0252, 02012-TE0253, 02012-TE0254, 02012-TE0255, 02012-TE0256, 02012-TE0257, 02012-TE0258, 02012-TE0259, 02012-TE0260, 02012-TE0261, 02012-TE0262, 02012-TE0263, 02012-TE0264, 02012-TE0265, 02012-TE0266, 02012-TE0267, 02012-TE0268, 02012-TE0269, 02012-TE0270, 02012-TE0271, 02012-TE0272, 02012-TE0273, 02012-TE0274, 02012-TE0275, 02012-TE0276, 02012-TE0277, 02012-TE0278, 02012-TE0279, 02012-TE0280, 02012-TE0281, 02012-TE0282, 02012-TE0283, 02012-TE0284, 02012-TE0285, 02012-TE0286, 02012-TE0287, 02012-TE0288, 02012-TE0289, 02012-TE0290, 02012-TE0291, 02012-TE0292, 02012-TE0293, 02012-TE0294, 02012-TE0295, 02012-TE0296, 02012-TE0297, 02012-TE0298, 02012-TE0299, 02012-TE0300, 02012-TE0301, 02012-TE0302, 02012-TE0303, 02012-TE0304, 02012-TE0305, 02012-TE0306, 02012-TE0307, 02012-TE0308, 02012-TE0309, 02012-TE0310, 02012-TE0311, 02012-TE0312, 02012-TE0313, 02012-TE0314, 02012-TE0315, 02012-TE0316, 02012-TE0317, 02012-TE0318, 02012-TE0319, 02012-TE0320, 02012-TE0321, 02012-TE0322, 02012-TE0323, 02012-TE0324, 02012-TE0325, 02012-TE0326, 02012-TE0327, 02012-TE0328, 02012-TE0329, 02012-TE0330, 02012-TE0331, 02012-TE0332, 02012-TE0333, 02012-TE0334, 02012-TE0335, 02012-TE0336, 02012-TE0337, 02012-TE0338, 02012-TE0339, 02012-TE0340, 02012-TE0341, 02012-TE0342, 02012-TE0343, 02012-TE0344, 02012-TE0345, 02012-TE0346, 02012-TE0347, 02012-TE0348, 02012-TE0349, 02012-TE0350, 02012-TE0351, 02012-TE0352, 02012-TE0353, 02012-TE0354, 02012

01	FOR REVIEW AND APPROVAL	27JUN12	J.C.	R.A.V.	P.T.S.
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPROD BY
		BHEL CUSTOMER No.:	1711	&	1712
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	CUSTOMER	(एन टी सी एल) NTPC LIMITED (A Government of India Enterprise)			
	PROJECT	MOUDA SUPER THERMAL POWER PROJECT STEAM GENERATOR PACKAGE			
	 ALL DIMENSIONS ARE IN MILLIMETERS	BHARAT HEAVY ELECTRICALS LIMITED BOILER PLANT SITE, TURICHIRAPALLI-620014			
	PROJECTION  SCALE	BHEL DRAWING No. REV.			
CONTRACT NO. 00212		UNIT NO'S. 3 & 4			
GENERAL ARRANGEMENT – SIDE ELEVATION '03-03' FOR STEAM GENERATOR MOUDA SUPER THERMAL POWER PROJECT STAGE II – 2 X 660 MW					
THIS DRAWING IS THE PROPERTY OF ALSTOM Power Inc., WINDSOR, CONNECTICUT 06095					
QSGM	THIS DOCUMENT CONTAINS PROPRIETARY DATA AND MAY NOT BE REPRODUCED OR DISCLOSED WITHOUT PERMISSION OF ALSTOM Power Inc.		SCALE: 1:150 DRAWN BY: J.C. CHECKED BY: R.A.V. APPROVED BY: P.T.S.		DATE: 01/JAN/2012 DATE: 01/JAN/2012 DATE: 01/JAN/2012
QSGM ALSTOM		WEBCODE: 68 88 8103 DRAWING NO.		REV. 00	
		00212-1E0003		00	



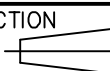
NOTES:
1. FOR GENERAL NOTES, REFERENCE DRAWINGS, LEGEND, ETC.
SEE DWG. No. 00212-1E0001
NTPC DRAWING NO. 9575-102-01-TR-PVM-B-003.
2. THIS DRAWING IS NOT SHOWING U/E/L/R AND C&I EQUIPMENTS.
THE SAME WILL BE COVERED IN SEPARATE DRAWINGS:
ALSTOM DRAWING NO'S: 00212-1E0065 THRU 00212-1E0090.
NTPC DRAWING NO'S: 9575-102-01-TR-PVM-B-010-(SH.1 THRU 26).

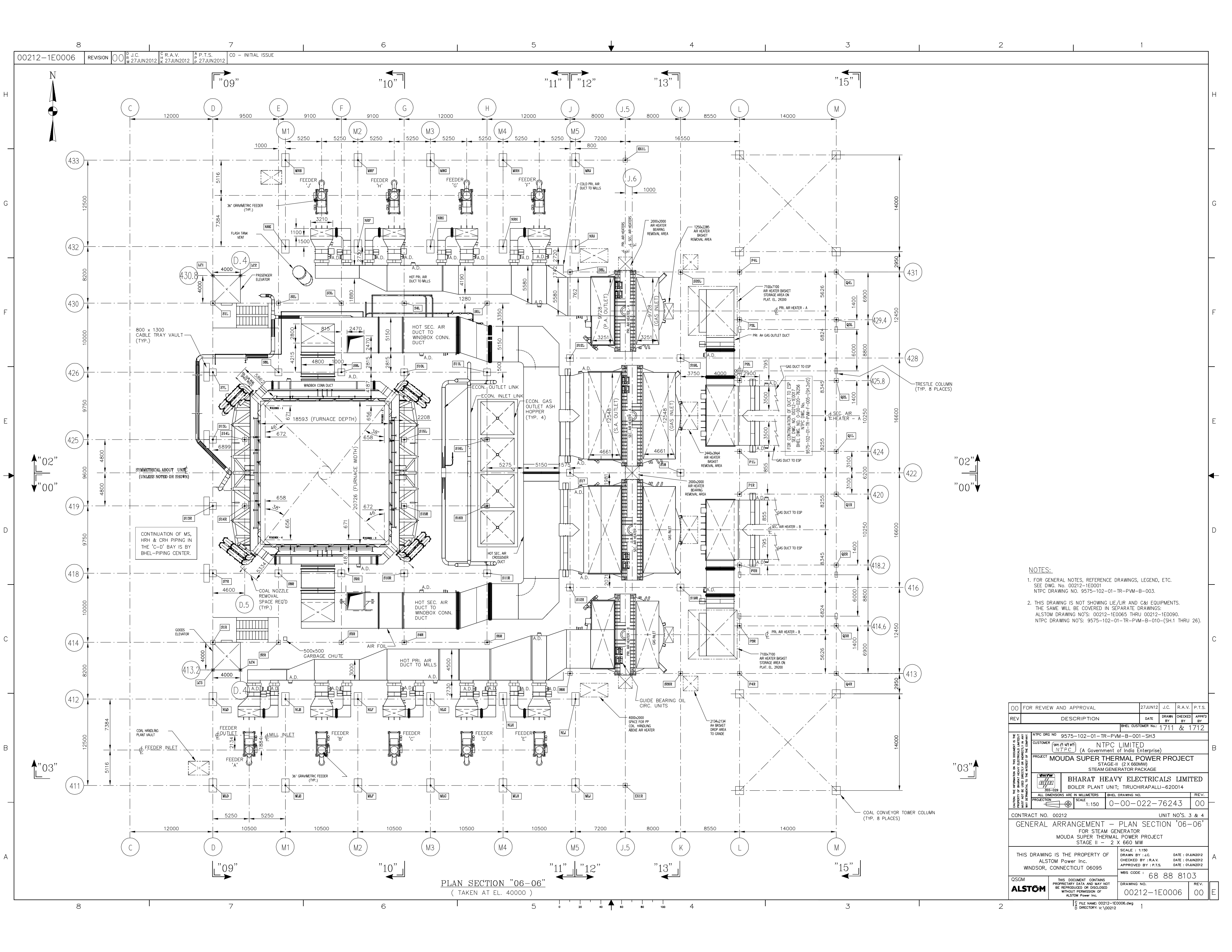
00	FOR REVIEW AND APPROVAL	27JUN12	J.C.	R.A.V.	P.T.S.
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPROD BY
					1711 & 1712
NTPC DRG NO 9575-102-01-TR-PVM-B-001-SH1					
CUSTOMER NTPC LIMITED (A Government of India Enterprise)					
PROJECT MOUDA SUPER THERMAL POWER PROJECT STAGE-II (2 X 660MW) STEAM GENERATOR PACKAGE					
Bharat Heavy Electricals Limited BOILER PLANT UNIT, TIRUCHIRAPALLI-620014					
ALL DIMENSIONS ARE IN MILLIMETERS SCALE 1:150 PROJECTION					
BHEL DRAWING NO. 0-00-022-76241 REV. 00					
CONTRACT NO. 00212 UNIT NO'S. 3 & 4 GENERAL ARRANGEMENT - PLAN SECTION '04-04' FOR STEAM GENERATOR MOUDA SUPER THERMAL POWER PROJECT STAGE II - 2 X 660 MW					
THIS DRAWING IS THE PROPERTY OF ALSTOM Power Inc. WINDSOR, CONNECTICUT 06095			SCALE : 1:150 DRAWN BY : J.C. CHECKED BY : R.A.V. APPROVED BY : P.T.S. DATE : 01JUN2012 DATE : 01JUN2012 WBS CODE : 68 88 8103		
QSGM			THIS DOCUMENT CONTAINS PROPRIETARY DATA AND MAY NOT BE REPRODUCED OR DISCLOSED WITHOUT PERMISSION OF ALSTOM Power Inc.		
ALSTOM			DRAWING NO. 00212-1E0004 REV. 00		



1. FOR GENERAL NOTES, REFERENCE DRAWINGS, LEGEND, ETC.
SEE DWG. NO. 00212-1E0001
NTPC DRAWING NO. 9575-102-01-TR-PVM-B-003.

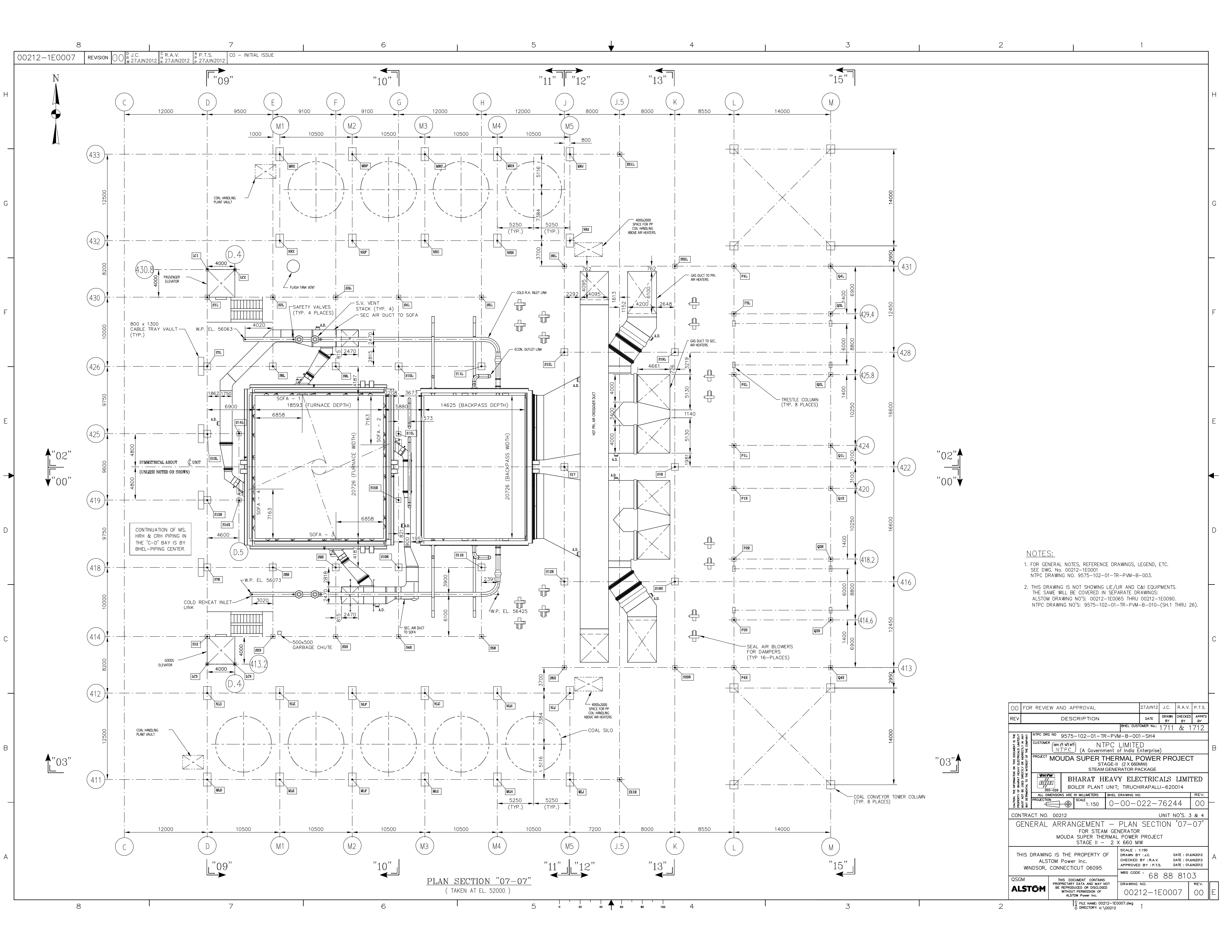
2. THIS DRAWING IS NOT SHOWING LIE/LIR AND C&I EQUIPMENTS.
THE SAME WILL BE COVERED IN SEPARATE DRAWINGS:
ALSTOM DRAWING NO'S: 00212-1E0006 THRU 00212-1E0090.
NTPC DRAWING NO'S: 9575-102-01-TR-PVM-B-010-(SH.1 THRU 26).

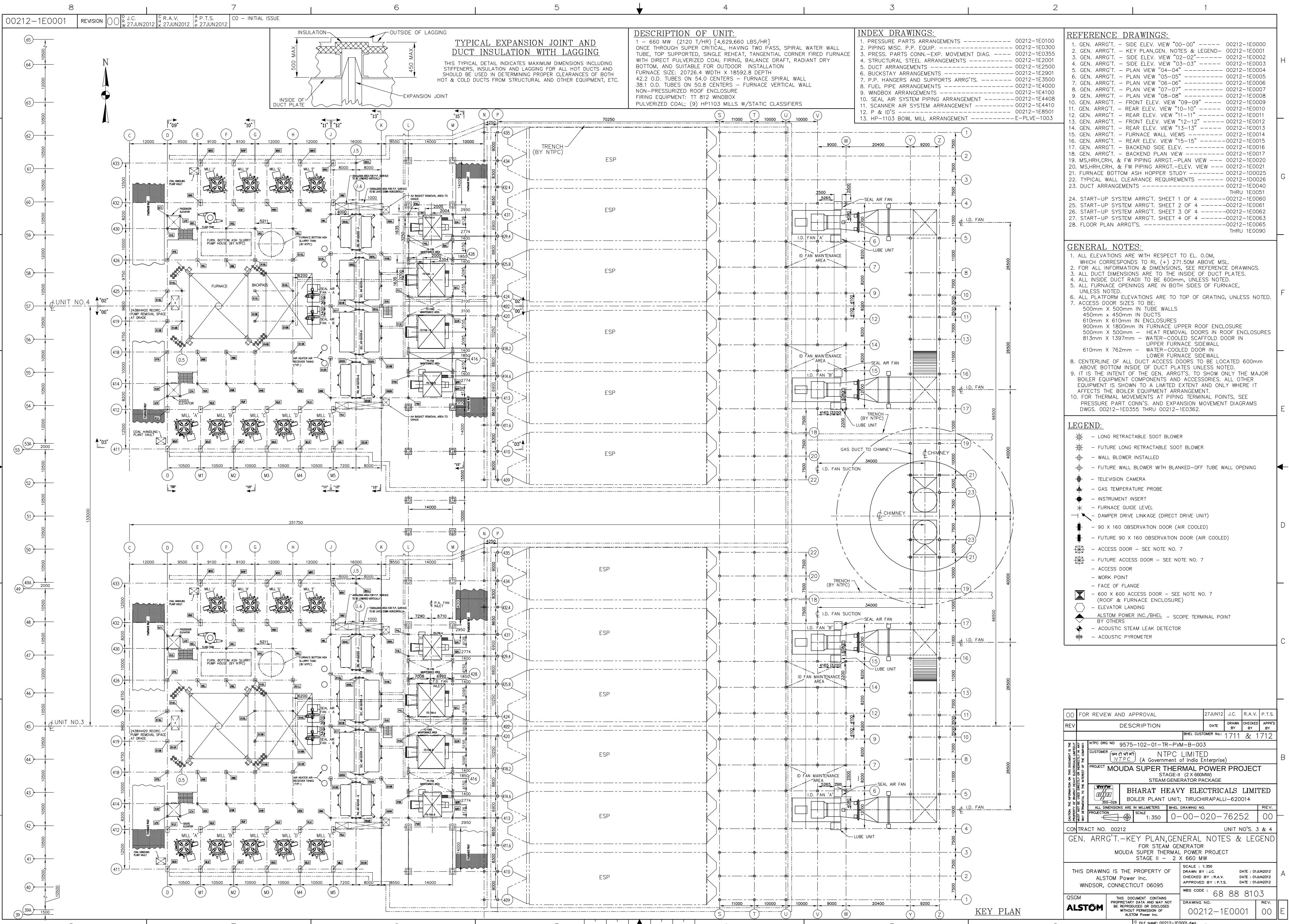
00	FOR REVIEW AND APPROVAL	27JUN12	J.C.	R.A.V.	P.T.S.
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPRO'D BY
		SHEET CUSTOMER NO. 1711 & 1712			
NTPC DRG NO. 9575-102-01-TR-PVM-B-001-SH2 CUSTOMER एन टी सी NTPC LIMITED (A Government of India Enterprise)					
PROJECT MOUDA STEAM THERMAL POWER PROJECT STAGE-II (2 X 660MW) STEAM GENERATOR PACKAGE					
 भारत HEAVY ELECTRICALS LIMITED BOILER PLANT UNIT; TIRUCHIRAPALLI-620014					
ALL DIMENSIONS ARE IN MILLIMETERS PROJECTION 		SHEET, DRAWING NO.		REV.	
SCALE 1:150		0-00-022-76242		00	
CONTRACT NO. 00212		UNIT NO'S. 3 & 4			
GENERAL ARRANGEMENT - PLAN SECTION '05-05'					
FOR STEAM GENERATOR					
MOUDA STEAM THERMAL POWER PROJECT					
STAGE II - 2 X 660 MW					
THIS DRAWING IS THE PROPERTY OF ALSTOM Power Inc. WINDSOR, CONNECTICUT 06095			SCALE: 1:150 DRAWN BY: J.C. CHECKED BY: R.A.V. APPROVED BY: P.T.S. DATE: 01JUN2012 DATE: 01JUN2012 DATE: 01JUN2012		
QSCM			THIS DOCUMENT CONTAINS PROPRIETARY DATA AND MAY NOT BE REPRODUCED OR DISCLOSED WITHOUT PERMISSION OF ALSTOM Power Inc.		
ALSTOM			WBS CODE: 68 88 8103 DRAWING NO. 00212-1E0005 REV. 00		



- NOTES:
- FOR GENERAL NOTES, REFERENCE DRAWINGS, LEGEND, ETC. SEE DWG. No. 00212-1E0001
NTPC DRAWING NO. 9575-102-01-TR-PVM-B-003.
 - THIS DRAWING IS NOT SHOWING LIE/LR AND C&I EQUIPMENTS. THE SAME WILL BE COVERED IN SEPARATE DRAWINGS.
ALSTOM DRAWING NO'S: 00212-1E0065 THRU 00212-1E0090.
NTPC DRAWING NO'S: 9575-102-01-TR-PVM-B-010-(SH.1 THRU 26).

00	FOR REVIEW AND APPROVAL	27JUN12	J.C.	R.A.V.	P.T.S.
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPROD BY
					1711 & 1712
NTPC DRG NO 9575-102-01-TR-PVM-B-001-SH3					
CUSTOMER NTPC LIMITED (A Government of India Enterprise)					
PROJECT MOUDA SUPER THERMAL POWER PROJECT STAGE-II (2 X 660MW) STEAM GENERATOR PACKAGE					
BHARAT HEAVY ELECTRICALS LIMITED BOILER PLANT UNIT; TIRUCHIRAPALLI-620014					
ALL DIMENSIONS ARE IN MILLIMETERS					
PROJECTION SCALE 1:150 0-00-022-76243 00					
CONTRACT NO. 00212 UNIT NO'S. 3 & 4					
GENERAL ARRANGEMENT - PLAN SECTION '06-06' FOR STEAM GENERATOR MOUDA SUPER THERMAL POWER PROJECT STAGE II - 2 X 660 MW					
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SCALE : 1:150 DRAWN BY : J.C. DATE : 01/JUN/2012 CHECKED BY : R.A.V. DATE : 01/JUN/2012 APPROVED BY : P.T.S. DATE : 01/JUN/2012					
WBS CODE : 68 88 8103					
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DRAWING NO. 00212-1E0006 REV. 00					





DESCRIPTION OF UNIT:

1 - 660 MW (2120 T/HR) [4,629,660 LBS/HR]
ONCE THROUGH SUPER CRITICAL, HAVING TWO PASS, SPIRAL WATER WALL TUBE, TOP SUPPORTED, SINGLE REHEAT, TANGENTIAL CORNER FIRED FURNACE WITH DIRECT PULVERIZED COAL FIRING, BALANCE DRAFT, RADIANT DRY BOTTOM, AND SUITABLE FOR OUTDOOR INSTALLATION
FURNACE SIZE: 20726.4 WIDTH X 18592.8 DEPTH
42.2 O.D. TUBES ON 54.0 CENTERS - FURNACE SPIRAL WALL
38.1 O.D. TUBES ON 50.8 CENTERS - FURNACE VERTICAL WALL
NON-PRESSURIZED ROOF ENCLOSURE
FIRING EQUIPMENT: TT 812 WINDBOX
PULVERIZED COAL; (9) HP103 MILLS W/STATIC CLASSIFIERS

INDEX DRAWINGS:

- | | |
|---|--------------|
| 1. PRESSURE PARTS ARRANGEMENTS | 00212-1E0100 |
| 2. PIPING MISC. P.P. EQUIP. | 00212-1E0300 |
| 3. PRESS. PARTS CONN.-EXP. MOVEMENT DIAG. | 00212-1E0355 |
| 4. STRUCTURAL STEEL ARRANGEMENTS | 00212-1E2001 |
| 5. DUCT ARRANGEMENTS | 00212-1E2500 |
| 6. BUCKSTAY ARRANGEMENTS | 00212-1E2901 |
| 7. P.P. HANGERS AND SUPPORTS ARRGT'S. | 00212-1E3500 |
| 8. FUEL PIPE ARRANGEMENTS | 00212-1E4000 |
| 9. WINDBOX ARRANGEMENTS | 00212-1E4100 |
| 10. SEAL AIR SYSTEM PIPING ARRANGEMENT | 00212-1E4408 |
| 11. SCANNER AIR SYSTEM ARRANGEMENT | 00212-1E4501 |
| 12. P & ID'S | 00212-1E8501 |
| 13. HP-1103 BOWL MILL ARRANGEMENT | E-PLVE-1003 |

REFERENCE DRAWINGS:

- | | |
|--|--------------|
| 1. GEN. ARRGT. - SIDE ELEV. VIEW "00-00" | 00212-1E0000 |
| 2. GEN. ARRGT. - KEY PLAN, GEN. NOTES & LEGEND | 00212-1E0001 |
| 3. GEN. ARRGT. - SIDE ELEV. VIEW "02-02" | 00212-1E0002 |
| 4. GEN. ARRGT. - SIDE ELEV. VIEW "03-03" | 00212-1E0003 |
| 5. GEN. ARRGT. - PLAN VIEW "04-04" | 00212-1E0004 |
| 6. GEN. ARRGT. - PLAN VIEW "05-05" | 00212-1E0005 |
| 7. GEN. ARRGT. - PLAN VIEW "06-06" | 00212-1E0006 |
| 8. GEN. ARRGT. - PLAN VIEW "07-07" | 00212-1E0007 |
| 9. GEN. ARRGT. - PLAN VIEW "08-08" | 00212-1E0008 |
| 10. GEN. ARRGT. - FRONT ELEV. VIEW "09-09" | 00212-1E0009 |
| 11. GEN. ARRGT. - REAR ELEV. VIEW "10-10" | 00212-1E0010 |
| 12. GEN. ARRGT. - REAR ELEV. VIEW "11-11" | 00212-1E0011 |
| 13. GEN. ARRGT. - FRONT ELEV. VIEW "12-12" | 00212-1E0012 |
| 14. GEN. ARRGT. - REAR ELEV. VIEW "13-13" | 00212-1E0013 |
| 15. GEN. ARRGT. - FURNACE WALL VIEWS | 00212-1E0014 |
| 16. GEN. ARRGT. - REAR ELEV. VIEW "15-15" | 00212-1E0015 |
| 17. GEN. ARRGT. - BACKEND SIDE ELEV. | 00212-1E0016 |
| 18. GEN. ARRGT. - BACKEND PLAN VIEW | 00212-1E0017 |
| 19. MS,HRH,CRH, & FW PIPING ARRGT.-PLAN VIEW | 00212-1E0020 |
| 20. MS,HRH,CRH, & FW PIPING ARRGT.-ELEV. VIEW | 00212-1E0021 |
| 21. FURNACE BOTTOM ASH HOPPER STUDY | 00212-1D0025 |
| 22. TYPICAL WALL CLEARANCE REQUIREMENTS | 00212-1D0026 |
| 23. DUCT ARRANGEMENTS | 00212-1E0040 |
| 24. START-UP SYSTEM ARRGT. SHEET 1 OF 4 | THRU 1E0051 |
| 25. START-UP SYSTEM ARRGT. SHEET 2 OF 4 | 00212-1E0060 |
| 26. START-UP SYSTEM ARRGT. SHEET 3 OF 4 | 00212-1E0062 |
| 27. START-UP SYSTEM ARRGT. SHEET 4 OF 4 | 00212-1E0063 |
| 28. FLOOR PLAN ARRGT'S. | 00212-1E0065 |
| | THRU 1E0090 |

GENERAL NOTES:

- ALL ELEVATIONS ARE WITH RESPECT TO EL. 0.0M, WHICH CORRESPONDS TO RL (+) 271.50M ABOVE MSL.
- FOR ALL INFORMATION & DIMENSIONS, SEE REFERENCE DRAWINGS.
- ALL DUCT DIMENSIONS ARE TO THE INSIDE OF DUCT PLATES.
- ALL INSIDE DUCT RADI TO BE 600mm, UNLESS NOTED.
- ALL FURNACE OPENINGS ARE IN BOTH SIDES OF FURNACE, UNLESS NOTED.
- ALL PLATFORM ELEVATIONS ARE TO TOP OF GRATING, UNLESS NOTED.
- ACCESS DOOR SIZES TO BE:
500mm x 500mm IN TUBE WALLS
450mm x 450mm IN DUCTS
610mm x 610mm IN ENCLOSURES
900mm x 1800mm IN FURNACE UPPER ROOF ENCLOSURE
500mm x 500mm - HEAT REMOVAL DOORS IN ROOF ENCLOSURES
813mm x 1397mm - WATER-COOLED SCAFFOLD DOOR IN UPPER FURNACE SIDEWALL
610mm x 762mm - WATER-COOLED DOOR IN LOWER FURNACE SIDEWALL
- CENTERLINE OF ALL DUCT ACCESS DOORS TO BE LOCATED 600mm ABOVE BOTTOM INSIDE OF DUCT PLATES UNLESS NOTED.
- IT IS THE INTENT OF THE GEN. ARRGT'S. TO SHOW ONLY THE MAJOR BOILER EQUIPMENT COMPONENTS AND ACCESSORIES. ALL OTHER EQUIPMENT IS SHOWN TO A LIMITED EXTENT AND ONLY WHERE IT AFFECTS THE BOILER EQUIPMENT ARRANGEMENT.
- FOR THERMAL MOVEMENTS AT PIPING TERMINAL POINTS, SEE PRESSURE PART CONN'S. AND EXPANSION MOVEMENT DIAGRAMS DWGS. 00212-1E0355 THRU 00212-1E0362.

LEGEND:

- LONG RETRACTABLE SOOT BLOWER
- FUTURE LONG RETRACTABLE SOOT BLOWER
- WALL BLOWER INSTALLED
- FUTURE WALL BLOWER WITH BLANKED-OFF TUBE WALL OPENING
- TELEVISION CAMERA
- GAS TEMPERATURE PROBE
- INSTRUMENT INSERT
- FURNACE GUIDE LEVEL
- DAMPER DRIVE LINKAGE (DIRECT DRIVE UNIT)
- 90 X 160 OBSERVATION DOOR (AIR COOLED)
- FUTURE 90 X 160 OBSERVATION DOOR (AIR COOLED)
- ACCESS DOOR - SEE NOTE NO. 7
- FUTURE ACCESS DOOR - SEE NOTE NO. 7
- WORK POINT
- FACE OF FLANGE
- 600 X 600 ACCESS DOOR - SEE NOTE NO. 7 (ROOF & FURNACE ENCLOSURE)
- ELEVATOR LANDING
- ALSTOM POWER INC./BHEL - SCOPE TERMINAL POINT
- BY OTHERS
- ACOUSTIC STEAM LEAK DETECTOR
- ACOUSTIC PYROMETER

00	FOR REVIEW AND APPROVAL	27JUN12	J.C.	R.A.V.	P.T.S.
REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY	APPROD BY
					1711 & 1712
NTPC DRG NO: 9575-102-01-TR-PVM-B-003					
CUSTOMER: NTPC LIMITED (A Government of India Enterprise)					
PROJECT: MOUDA SUPER THERMAL POWER PROJECT STAGE-II (2 X 660MW) STEAM GENERATOR PACKAGE					
Bharat Heavy Electricals Limited BOILER PLANT UNIT; TRUCHIRAPALLI-620014					
ALL DIMENSIONS ARE IN MILLIMETERS					
SCALE: 1:350					
BHEL DRAWING NO: 0-00-020-76252					
REV: 00					
CONTRACT NO. 00212					
UNIT NO'S 3 & 4					
GEN. ARRGT.-KEY PLAN, GENERAL NOTES & LEGEND FOR STEAM GENERATOR MOUDA SUPER THERMAL POWER PROJECT STAGE II - 2 X 660 MW					
THIS DRAWING IS THE PROPERTY OF ALSTOM Power Inc. WINDSOR, CONNECTICUT 06095					
SCALE: 1:350					
DRAWN BY: J.C.					
CHECKED BY: R.A.V.					
APPROVED BY: P.T.S.					
DATE: 01JUN2012					
DATE: 01JUN2012					
WBS CODE: 68 88 8103					
DRAWING NO: 00212-1E0001					
REV: 00					