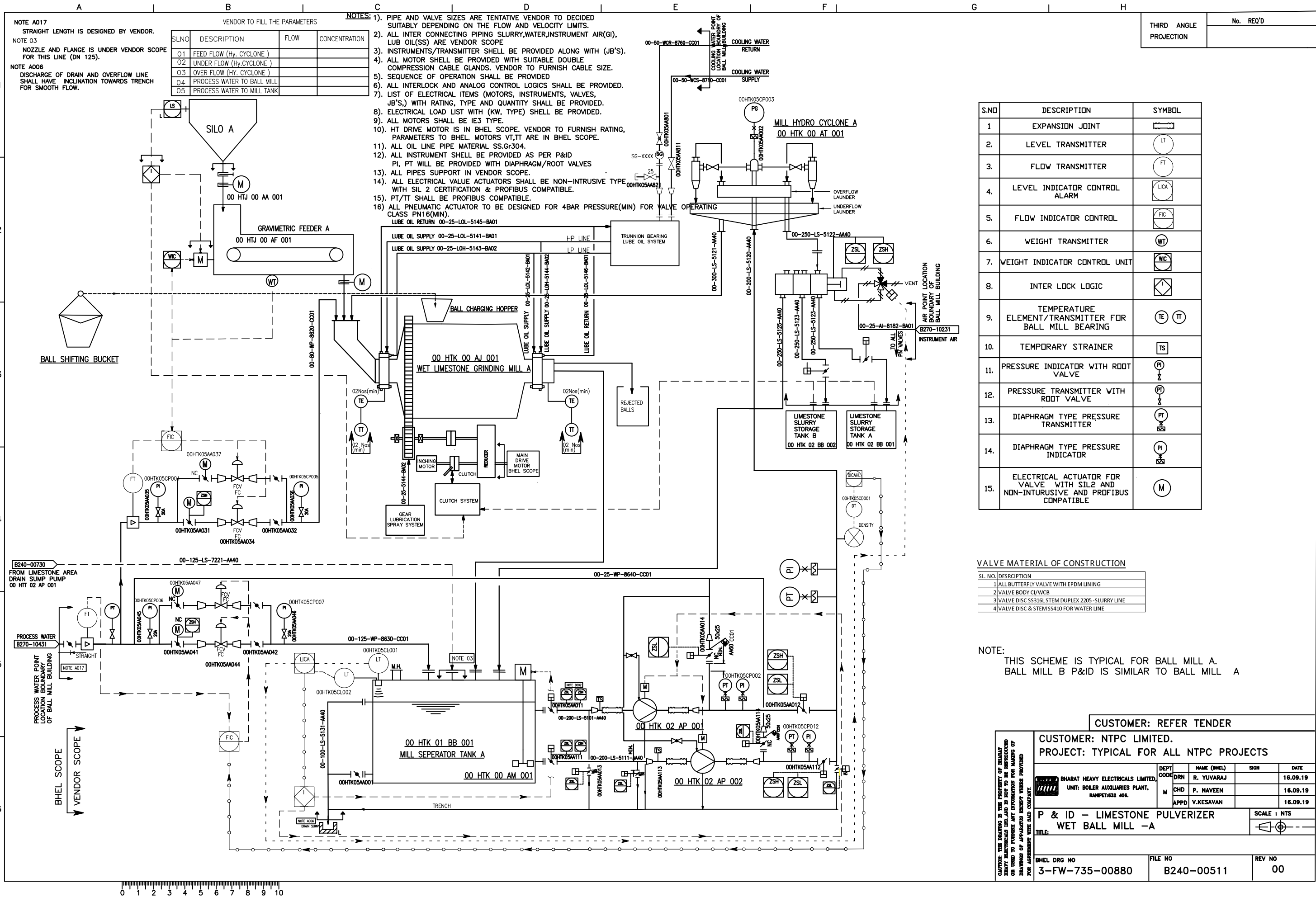




A		B		C		D		E		F		G		H			
														THIRD ANGLE PROJECTION		No. REQ'D	
INSTRUMENT ABBREVIATION																	
		FIRST-LETTER		SUCCEEDING-LETTERS													
		MEASURED OR INITIATING VARIABLE		MODIFIER		READOUT OR PASSIVE FUNCTION		OUTPUT FUNCTION		MODIFIER							
1		A ANALYSIS				ALARM											
		B BURNER, COMBUSTION				BLANK		BLANK		BLANK							
		C BLANK						CONTROL									
		D BLANK		DIFFERENTIAL													
		E VOLTAGE				SENSOR (PRIMARY ELEMENT)											
		F FLOW RATE		RATIO (FRACTION)													
		G BLANK				GLASS, VIEWING DEVICE											
2		H HAND								HIGH							
		I CURRENT (ELECTRICAL)				INDICATE											
		J POWER		SCAN													
		K TIME, TIME SCHEDULE		TIME RATE OF CHANGE				CONTROL STATION									
		L LEVEL				LIGHT				LOW							
		M BLANK		MOMENTARY						MIDDLE, INTERMEDIATE							
		N BLANK				BLANK		BLANK		BLANK							
		O BLANK				ORIFICE, RESTRICTION											
		P PRESSURE, VACUUM				POINT(TEST) CONNECTION											
3		Q QUANTITY		INTEGRATE, TOTALIZE													
		R RADIATION				RECORD											
		S SPEED, FREQUENCY		SAFETY				SWITCH									
		T TEMPERATURE						TRANSMIT									
		U MULTIVARIABLE				MULTIFUNCTION		MULTIFUNCTION		MULTIFUNCTION							
		V VIBRATION, MECHANICAL ANALYSIS						VALVE, DAMPER, LOUVER									
		W WEIGHT, FORCE				WELL											
		X UNCLASSIFIED		X AXIS		UNCLASSIFIED		UNCLASSIFIED		UNCLASSIFIED							
4		Y EVENT, STATE OR PRESENCE		Y AXIS				RELAY, COMPUTE, CONVERT									
		Z POSITION, DIMENSION		Z AXIS				DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT									
INSTRUMENT SYMBOLS																	
		SYMBOLS		NAME													
				FIELD MOUNTED													
				FOR CONTROL ROOM													
				FOR LOCAL CONTROL PANEL													
5				FOR DCS													
				INTERLOCK LOGIC													
PNEUMATIC VALVE ACTUATOR																	
		CODE NO.		ACTUATION													
		FLXXWA-D		DOUBLE SOLENOID NO LIMIT SWITCH													
		FLXXWA-DL		DOUBLE SOLENOID WITH LIMIT SWITCH													
		FLXXWA-S		SINGLE SOLENOID NO LIMIT SWITH													
6		FLXXWA-SL		SINGLE SOLENOID WITH LIMIT SWITCH													
MACHINARY SYMBOLS																	
		SYMBOLS		NAME													
				PUMP													
				FAN / BLOWER													
				AGITATOR (FLAT BLADE)													
				AGITATOR (PROPELLOR)													
				ROTARY VALVE													
				CRUSHER													
				BELT FEEDER													
				BELT FILTER													
				BALL MILL													
				CYCLONE													
				MIST ELIMINATOR													
EQUIPMENT SYMBOLS																	
		SYMBOLS		NAME													
				BAG FILTER													
				SILO													
				SLIDE GATE													
				TANDEM LOUVER DAMPER (MULTIVANE)													
				SINGLE STAGE LOUVER DAMPER (MULTIVANE)													
				LOUVER DAMPER (SINGLE VANE)													
				DISTRIBUTION BOX (3WAY)													
				DISTRIBUTION BOX (2WAY)													
				SUMP													
				HEAT EXCHANGER													
				SHELL AND TUBE HEAT EXCHANGER													
				AIR DRYER													
				FILTER													
				SPRAY NOZZLE													
DRIVER SYMBOLS																	
		SYMBOLS		NAME													
				AIR MOTOR													
				ELECTRIC MOTOR													
OTHER SYMBOLS																	
		SYMBOLS		NAME													
				INSERT PIPE / LANCE													
				CHUTE													
				TRUCK													
CONFIDENTIAL & PROPRIETARY INFORMATION																	
CUSTOMER: PROJECT:																	
Bharat Heavy Electricals Limited, Unit: Boiler Auxiliaries Plant, Ranipet-632 406.																	
Mitsubishi Hitachi Power Systems, Ltd. Air Quality Control Systems Technology Division																	
P & ID - LEGENDS AND NOTES																	
SH 02 of 02																	

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DEPT CODE

DRN

M

CHD

APPD

NAME (BHEL)

DATE

SCALE : NTS

TITLE:

SH 02 of 02

0

1

2

3

4

5

6

7

8

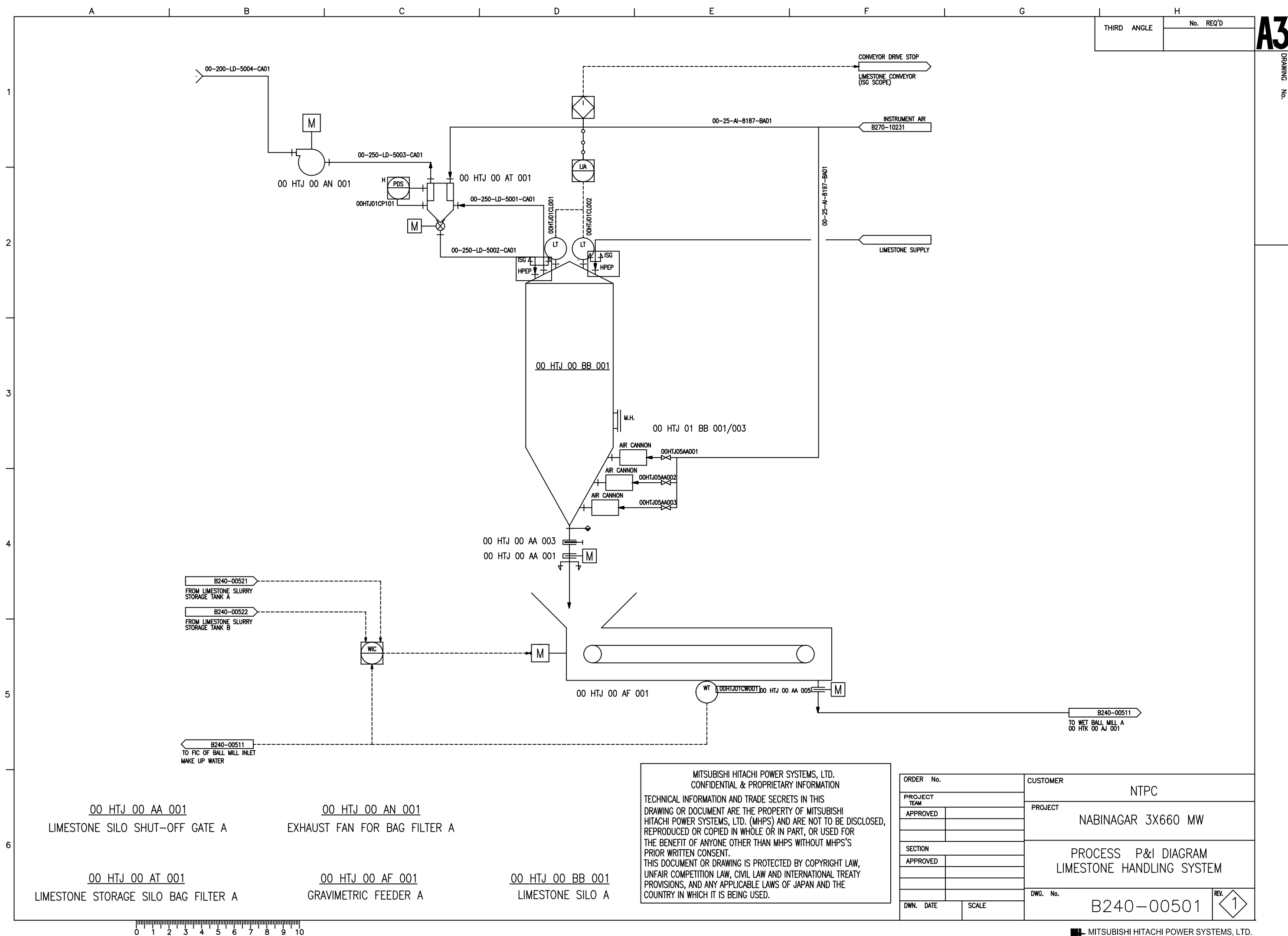
9

10

A3

DRAWING No.

A horizontal ruler with markings from 0 to 10. The markings are in centimeters, with millimeter increments. The numbers 0 through 10 are printed below the ruler.



THIRD ANGLE

No. REQ'D

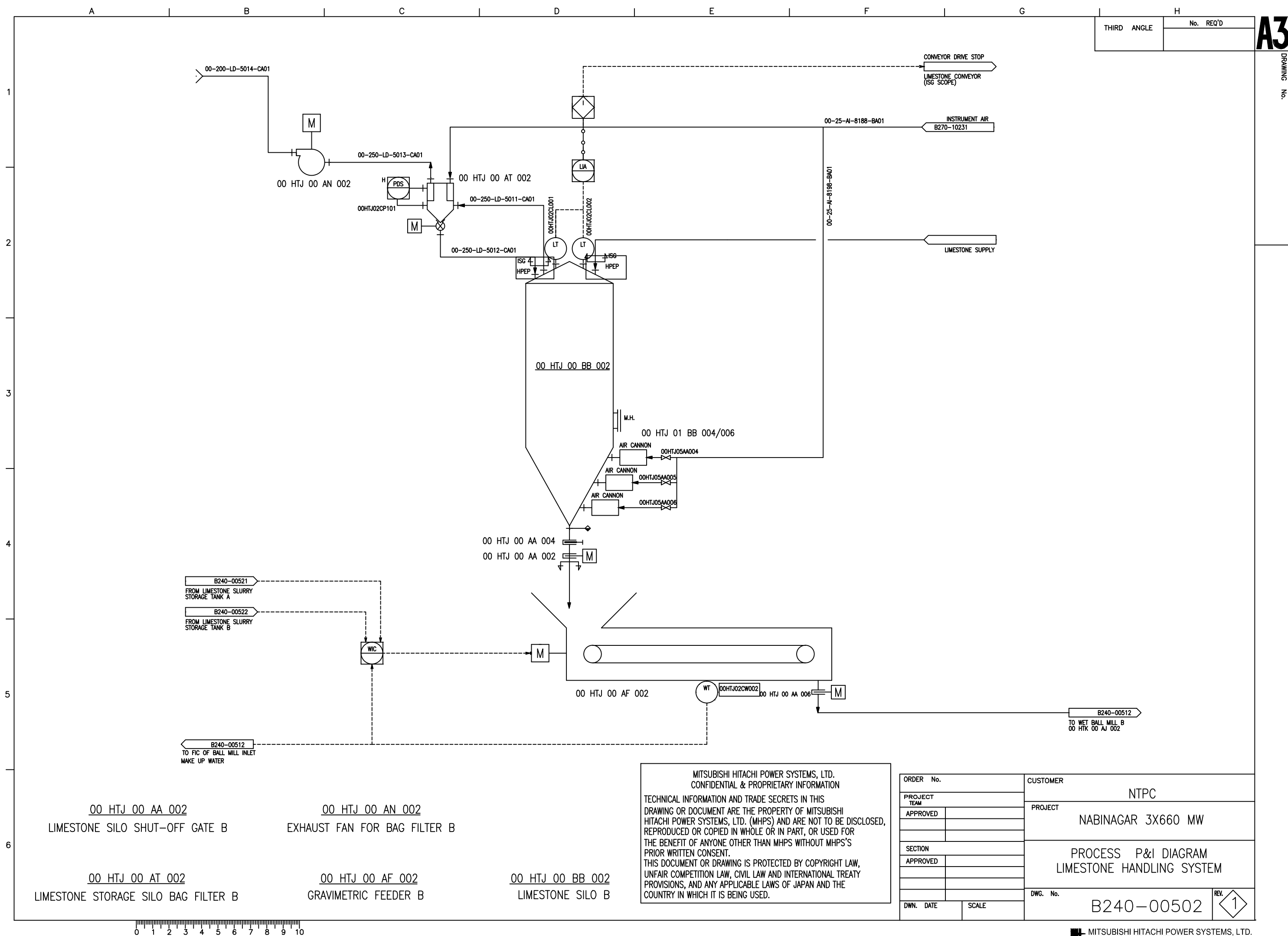
A3

DRAWING No.

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ORDER No.		CUSTOMER	
PROJECT TEAM		NTPC	
APPROVED		PROJECT	
		NABINAGAR 3X660 MW	
SECTION		PROCESS P&I DIAGRAM	
APPROVED		LIMESTONE HANDLING SYSTEM	
		DWC. No.	
DWN. DATE	SCALE	B240-00501	
		REV. 1	



THIRD ANGLE

No. REQ'D

A3

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SECTION		PROCESS P&I DIAGRAM	
APPROVED		LIMESTONE HANDLING SYSTEM	
		DWC. No.	
DWN. DATE	SCALE	B240-00502	
		REV. 1	



