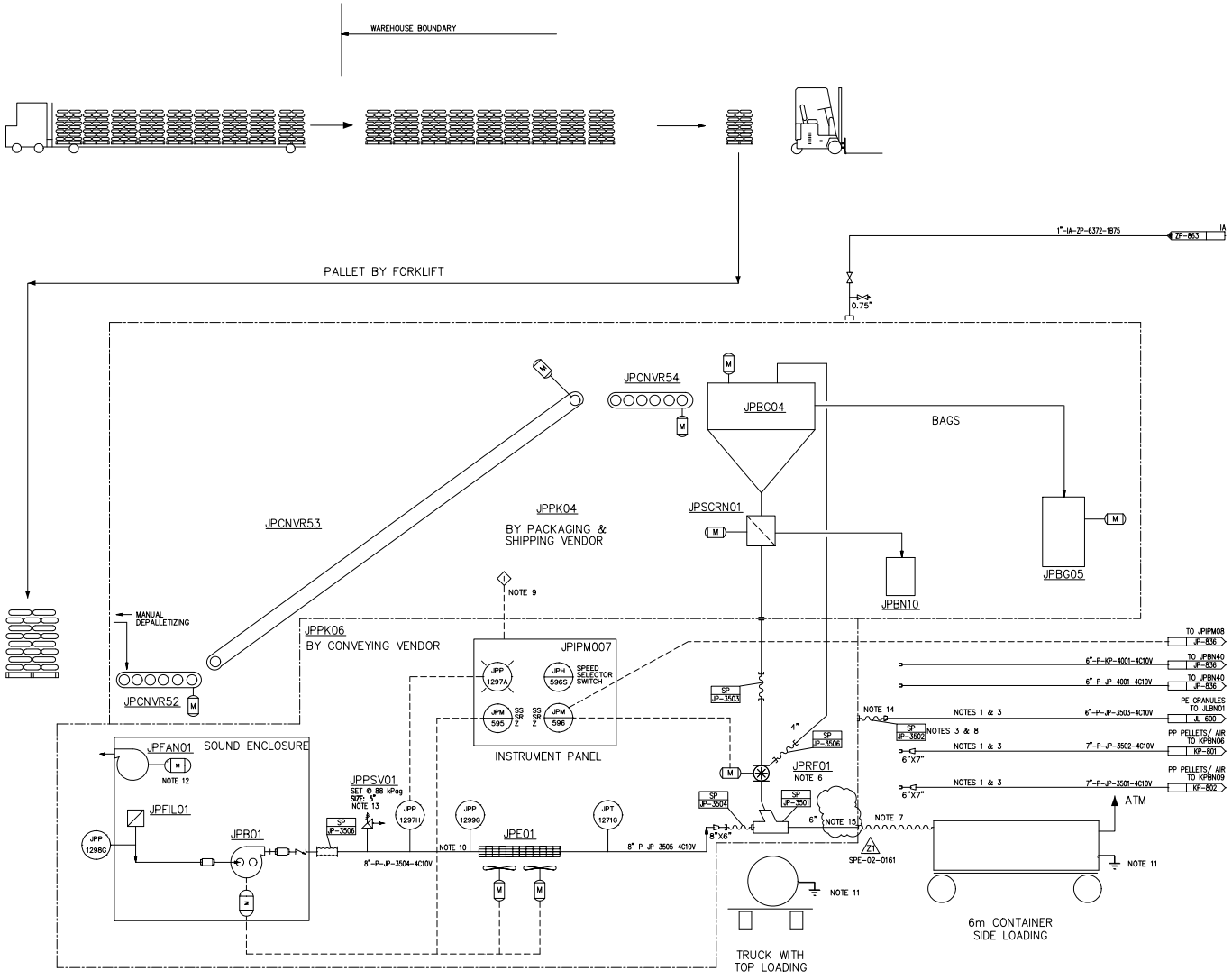


NOTES

1. CONVEYING PIPING TO BE ALUMINIUM FOR STRAIGHT PIPE AND 304SS FOR BENDS.
2. DELETED.
3. PROVIDED BY CONVEYING VENDOR.
4. REFER TO P&IDS J-001/2/3 FOR SYMBOLS AND LEGEND.
5. DELETED
6. ROTARY FEEDER JPRF01 & TEE (SP-JP-3501) MOUNTED ON SKID (WITH WHEELS).
7. INTERNAL LINER SLEEVE CONNECTION PROVIDED WITH CONTAINER WILL BE TAPED TO OUTLET PIPE OF SP-JP-3501.
8. SP-JP-3502 ONLY USED WHEN TRANSFERRING TO JLBN01, KPBN06,OR KPBN09.
9. DEBAGGING AND BULK LOADING SHALL BE STOPPED IF JPRF01 IS STOPPED.
10. BECHTEL TO PROVIDE PERSONNEL PROTECTION WITH WIRE MESH.
11. ENSURE THAT THERE IS ELECTRICAL CONTINUITY BETWEEN CONTAINER & REMAINDER OF SYSTEM.
12. SOUND ENCLOSURE FAN JPFAN01 RUNNING IS USED AS A PERMISSIVE TO START BLOWER JPB01 (BY VENDOR)
13. TYPE OF PSV USED DOES NOT REQUIRED OUTLET PIPING.
14. CHANGE PU FLEXIBLE HOSE INTO STAINLESS STEEL.
15. FLEXIBLE HOSE REPLACED BY HARD PIPE.

Z1 SPE-02-0161

REV	DATE	DESCRIPTION	BY	CHK	APP	OPER
Z1	24OCT 02	MOC NO. SPE-02-0161	ELA	SJE WSD	TSK	
Z	21 NOV 00	MOC NO. SPE00-082 MOC NO. SPE00-009				

– M&E PES (DDO)

REV	DATE	DESCRIPTION	BY	CHK	LEAD APE	PROC	PLANT DES.	CONT SYS.	PEM	CLIENT
2		AS BUILT								
1	20/08/99	RE-ISSUED FOR CONSTR.	RNR CWM	SK FO	X	AC	TH	MS	TP	
0	22/12/98	IFC WITH HOLD	SAY JRP	BS FO	AD/W	MM	TH	MC	RAO	
C	27/10/98	IFD WITH HOLD	SAY JRP	JRP MS	LHL	MM	TH	MC		
B	31/08/98	ISSUED FOR HAZOP	SAY JRP	BS MS	LHL	MM	TH	MC		

SINGAPORE POLYETHYLENE PLANT PROJECT
SINGAPORE

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BECHTEL INTERNATIONAL, INC.

PIPING & INSTRUMENT DIAGRAM
UTILITIES & OFFSITES
DEBAGGING & BULK LOADING

BECHTEL JOB NO.	AREA	DRAWING NUMBER	REV
23916		JP-835	Z1
BECHTEL DRAWING NO. M6-LPJP-00835	SCALE NONE		

ITEM No.	JPPK04	JPPK06	JPB01	JPE01	JPRF01	JPCNVR52	JPCNVR53	JPCNVR54	JPBG04	JPSCRN01	JPBN10	JPBG05	JPFAN01	JPFIL01
TITLE	DEBAGGING & BULK LOADING PACKAGE	BULK LOADING CONVEYING PACKAGE	BLOWER	AIR COOLER	ROTARY FEEDER	CONVEYOR	CONVEYOR	CONVEYOR	BAG SLITTER	SCREENER	WASTER HOPPER	COMPACTOR	SOUND ENCLOSURE FAN	INTAKE FILTER
DESCRIPTION	CAP: 30 t/h	CAP: 30 t/h (PP PELLETS) 10 t/H (PE GRANULES)	CAP: 2876 Nm3/h Max dP: 85 kPa TYPE: ROOTS DP: 100 kPag DT: 130 °C MOTOR: 132 KW MAT'L: CI W/JPPK06	Duty: 75 kW TYPE: FINNED TUBE HTA: 358.4 m2 DP: 100 kPaG DT: 150 °C MAT'L:SS304 W/JPPK06	CAP: 30 t/h (PP PELLETS) 10 t/h (PE GRANULES) BD: 490-560 kg/m3 (PP PELLETS) TYPE: VARIABLE SPEED (MOTOR WITH DOUBLE POLES) DP: 100 kPag DT: 110 °C MOTOR: 1.8/0.9 kW MAT'L: AL/SS W/JPPK06	CAP: 1200 BAGS/h (DEPENDING ON OPERATING PERSONNEL) W/JPPK04	CONVEYING SPEED: 1 m/s W/JPPK04	CONVEYING SPEED: 0.6m/s W/JPPK04	CAP: 1000-1200 BAG/h W/JPPK04	CAP: 30 t/h W/JPPK04	W/JPPK04	CAP: 2 t/h W/JPPK04	CAP: 5200 Nm3/h Max dp: 9.8 Pa TYPE: AXIAL DP: 0.2 kPag DT: 50 °C MOTOR: 0.37 kW MAT'L: CS W/JPPK06	CAP: 3200 Nm3/h Max dP: 1.5/4 kPa (CL./DIRTY) FILTR'N: 98% 10 MICRON OR LARGER TYPE: CARTRIDGE DP: -50/50 kPag DT: 60 °C MAT'L: CS W/JPPK06

6 5 4 3 2 1