



REFERENCE DRAWINGS		REVISIONS	
DWG. NO.	DESCRIPTION	NO.	DESCRIPTION
		A	ISSUED FOR CLIENT APPROVAL
		B	ISSUED FOR HAZOP
		C	ISSUED FOR APPROVAL
		0	ISSUED FOR CONSTRUCTION
		1	ISSUED FOR ABCA APPROVAL
		2	AS BUILT AS PER FIELD MARK-UPS

PROJECT	DATE	BY	CHK.	ENG.
9864.00	06-09-20	WU		
9864.00	06-10-06	FD		
9864.00	06-11-08	RML		
9864.00	06-12-13	DP	AP	SW
9864.00	07-02-13	LM	SW	
9864.00	07-06-12	LM	CK	

PROJECT NO.	SCALE	DWG. NO.	REV.
9864.00	NTS	9864-B-008	2

P-301 PRODUCED WATER INJECTION PUMPS
 MAKE/MODEL: WATERS APLEY MA-95
 INLET: 141-150 RP
 OUTLET: 73-900 RP
 DRIVER: TECO WESTINGHOUSE TEMP 60HP 365T
 REQUIREMENTS: 1760 RPM 480/3/60HZ

P-301A/B CONDENSATE TRANSFER PUMP
 MAKE: WILDEN
 SIZE: 114 L/Min AT 207 KPa
 SOUR TRIM
 DOUBLE DAPHRAM

P-341 PRODUCED WATER TRANSFER PUMP
 MAKE: WILDEN
 SIZE: 114 L/Min AT 207 KPa
 SOUR TRIM
 DOUBLE DAPHRAM

P-350A/B CONDENSATE INJECTION PUMPS
 MAKE/MODEL: NATIONAL PROCESS PNC M0612
 INLET: 60-900 DS AS
 OUTLET: 60-900 RP
 DRIVER: WEG SHIP 215T
 REQUIREMENTS: 1180 RPM 480/3/60HZ

P-350A/B PRODUCED WATER CHARGE PUMPS
 MAKE/MODEL: GRUNDFOS CRN 15-3
 TYPE: INLINE CENTRIFUGAL 316SS IMPELLER & CASING
 DRIVER: ELECTRIC MOTOR, SHP. 3450 RPM
 REQUIREMENTS: 480/3/60HZ TEMP 1.15SF
 DISCH. PRESSURE: 262/Min. AT 317 KPa

P-351A/B P/W FILTERS
 TYPE: FS FSP250 DOUBLE BAG FILTER
 RATED: 545 m³/d
 25 25 25
 0 DEGREE ORIENTATION
 CRNF: M7449.231

P-360A/B CONDENSATE INJECTION PUMPS
 MAKE/MODEL: WATERS APLEY MA-95
 INLET: 141-150 RP
 OUTLET: 73-900 RP
 DRIVER: TECO WESTINGHOUSE TEMP 60HP 365T
 REQUIREMENTS: 1760 RPM 480/3/60HZ

P-360A/B PRODUCED WATER CHARGE PUMPS
 MAKE/MODEL: GRUNDFOS CRN 15-3
 TYPE: INLINE CENTRIFUGAL 316SS IMPELLER & CASING
 DRIVER: ELECTRIC MOTOR, SHP. 3450 RPM
 REQUIREMENTS: 480/3/60HZ TEMP 1.15SF
 DISCH. PRESSURE: 262/Min. AT 317 KPa

P-362A/B CONDENSATE INJECTION PUMPS
 MAKE/MODEL: WATERS APLEY MA-95
 INLET: 141-150 RP
 OUTLET: 73-900 RP
 DRIVER: TECO WESTINGHOUSE TEMP 60HP 365T
 REQUIREMENTS: 1760 RPM 480/3/60HZ

P-362A/B PRODUCED WATER CHARGE PUMPS
 MAKE/MODEL: GRUNDFOS CRN 1-5
 TYPE: INLINE CENTRIFUGAL 316SS IMPELLER & CASING
 DRIVER: ELECTRIC MOTOR, 3/4 HP, 3450 RPM
 REQUIREMENTS: 480/3/60HZ TEMP 1.15SF
 DISCH. PRESSURE: 211/Min. AT 372 KPa

BH-350A/B/C BUILDING HEATER
 MAKE: BUENFACH ELECTRIC
 MODEL NO.: XP ELECTRIC 480V/3PH/60HZ
 C/W EXP. PROOF THERMOSTAT
 POWER: 25 KW

NOTES:
 1) CONTRACTOR TO SUPPLY METAL HIGH POINT VENTS AND LOW POINT DRAINS AS REQUIRED.
 2) SEE VENDOR PAKETS AND BOM FOR COMPLETE PACKAGE DESCRIPTION.
 3) --- DENOTES FUTURE INSTALLATION.
 4) TO COMMON 55 GAL DAYTANK.
 5) P-352 TO START 5 sec. AFTER LOW-3500 OPENS, STOP 5 sec. PRIOR TO LOW-3500 CLOSING.
 6) MODIFICATIONS REQUIRED TO P-350A/B AND PULSATION DAMPENER IF DISCHARGE PRESSURE INCREASED ABOVE 9930 KPaog