

JUOTC WET MECHANICAL DRAFT CT OPTION

DCPP

Valve List

00B	7/24/2013	Issued for Estimate Report	RP	-	RP
00A	7/11/2013	Issue for Estimate	RP	-	RP
Rev	Date	Reason for Revision	Originator	Checked	Approved

JUOTC WET MECHANICAL DRAFT CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00004
Rev. 00B

System Codes

Commodity Code

AD	Condensate	PV	Valve
PF	Fire Protection	HV	valve with motor or pneumatic operator used for on /off operation
PI	Plant Air		
TL	Circ. Wtr Chem Inj		
WB	Service water		
WL	Circulating Water		
WO	Sea Water		
WR	Raw Water (Grey water)		

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplied by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
18	Post Indicating valve	0	PIV	PF			12	gate		flange		175	90				-		estimating	Ductile Iron	00A
54	Curb Valve	0	PV	PF			6	gate		flange		175	90				-		estimating	Ductile Iron	00A
1	Inlet isolation WL-MP-001A	1	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	1	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	130		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	1	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	1	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001A	2	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	2	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	2	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	2	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	1	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	1	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	1	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	1	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	2	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	2	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	2	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	2	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile Iron , epoxy coated or rubber lined	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	1	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile Iron , seats EPDM amd 316 SS, 316 SS trim	00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Isolation Valve for the Blowdown from CT WL-ME-001B	1	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	1	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	1	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	1	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	1	PV	WL			1	Gate				100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003B	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003C	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003D	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A

JUOTC STUDY - Wet Mechanical Draft CT OPTION
 DCCP
 Valve List

25762-110-M6K-YA-00004
 Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001B	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	2	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001B	2	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	2	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	2	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

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Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	Upstream of LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	2	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Super duplex material	00A
1	On PIT003B	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Super duplex material	00A
1	On PIT003C	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	On PIT003D	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Root connection to PI 001B	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00004	No		Duplex Stainless Steel	00A
3	Pump MP001A, B, & C isolation valves	0	HV	WO	032		42	Butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00B
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00B
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00B
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00B
3	Pump MP001A, B, & C air release valve	0	PY	WO			2	AR		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00B
3	Pump MP001A, B, & C air release valve isolation valves	0	PY	WO			2	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00B
3	PI 031 Isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00B
1	Pump MP001A, B, & C recirc Isolation valve	0	PY	WO			30	butterfly		flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00B
2	FT034 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	PT033 isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	Desal outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	FT043 Inlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	FT043 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating		00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Brine outlet PI root valve	0	PY	WO			1	gate		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet check valve	0	PY	WO			8	wafer check		flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet air release valve	0	PY	WO			1	AR		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet air release isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B PI isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	SL Grey Water Supply pump 4A & 4B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B discharge valves	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	SL Grey Water Supply pump 4A & 4B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A

Valve List

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
2	SL Grey Water Supply pump 5A & 5B PI Isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	SL Grey Water Supply pump 4A & 4B recirc valve Isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	SL Grey Water Supply pump 5A & 5B recirc valve Isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
26	Supply line auto vent valves	0	PV	WR			2	gate				325	90				25762-110-M6K-WR-00003		estimating	duplex ss Assumes approximately 1 per mile	00A
26	supply line auto vent valve Isolation valves	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
26	supply line drain valves	0	PV	WR			3	gate				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	flow element Isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank Isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank outlet valve	0	PV	WR			16	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 002A & B Inlet valves	0	PV	WR			16	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B check valve	0	PV	WR			12	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B Isolation valve	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B PI Isolation valve	0	PV	WR			1	gate				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP003A & B check valves	0	PV	WR			8	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP003A & B Isolation valves	0	PV	WR			8	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

JUOTC STUDY - Wet Mechanical Draft CT OPTION
DCCP
Valve List

25762-110-M6X-YA-00004
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
2	Pump MP 001 & B Inlet valves	0	PV	WR				butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP001A & 1B check valve	0	PV	WR				wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B isolation valve	0	PV	WR				butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B PI isolation valve	0	PV	WR			1	gate				30	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	storage pond outlet valve	0	PV	WR			36	butterfly				30	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	

JUOTC HYBRID CT OPTION

DCPP

Valve List

00B	7/11/2013	Issued for Estimate Report	RP	-	RP
00A	7/11/2013	Issue for Estimate	RP	-	RP
Rev	Date	Reason for Revision	Originator	Checked	Approved

JUOTC HYBRID CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00005
Rev. 00B

System Codes

AD Condensate
PF Fire Protection
PI Plant Air
TL Circ. Wtr Chem Inj
WB Service water
WL Circulating Water
WO Sea Water
WR Raw Water (Grey water)

Commodity Code

PV Valve
HV valve with motor or pneumatic operator used for on /off operation

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplier by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

JUOTC STUDY - Hybrid CT OPTION
DCCP
Valve List

25762-110-M6X-YA-00005
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
18	Post indicating valve	0	PIV	PF			12	gate		flange		175	90				-		estimating	Ductile Iron	00A
54	Curb Valve	0	PV	PF			6	gate		flange		175	90				-		estimating	Ductile Iron	00A
1	Inlet isolation WL-MP-001A	1	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	1	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	130		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	1	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	1	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001A	2	HV	WL	002	A	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001B	2	HV	WL	002	B	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001C	2	HV	WL	002	C	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Inlet isolation WL-MP-001D	2	HV	WL	002	D	120	Butterfly	Motor	flange		50	130	30	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	1	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	1	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	1	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	1	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001A	2	HV	WL	004	A	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001B	2	HV	WL	004	B	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001C	2	HV	WL	004	C	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Outlet isolation WL-MP-001D	2	HV	WL	004	D	108	Butterfly	Motor	flange		85	130	75	125		25762-110-M6K-WL-00001		Valve Quote	Ductile iron , epoxy coated or rubber lined	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	1	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM armd 316 SS, 316 SS trim	00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Isolation Valve for the Blowdown from CT WL-ME-001B	1	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	1	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	1	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	1	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	1	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	1	PV	WL			1	Gate				100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003B	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003C	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003D	1	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A

JUOTC STUDY - Hybrid CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00005
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	1	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001B	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	1	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001A	2	PV	WL			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Isolation Valve for the Blowdown from CT WL-ME-001B	2	PV	WI			12	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Upstream of HV017 on Blowdown Line	2	PV	WI			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	HV017 on the Blowdown Line	2	PV	WL			16	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass fro HV017 on the Blowdown Line	2	PV	WL			16	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

JUOTC STUDY - Hybrid CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00005
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Upstream of LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On Makeup Water Line, LV009	2	PV	WL			24	Butterfly	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	Downstream of LV009 on the Makeup Water Pump	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	By-pass to LV009 on Makeup Water Line	2	PV	WL			24	Butterfly		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	On PIT003A	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003B	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003C	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	On PIT003D	2	PV	WL			1	Gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001A auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001B auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001C auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	ball	Motor	flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Outlet from WL-MP-001D auto vent	2	PV	WL			2	AR		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001A	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A

JUOTC STUDY - Hybrid CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00005
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	Root connection to PI 001B	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001C	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
1	Root connection to PI 001D	2	PV	WL			1	gate		flange		100	150	75	100		25762-110-M6K-WL-00005	No		Duplex Stainless Steel	00A
3	Pump MP001A, B, & C Isolation valves	0	HV	WO	032		42	Butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	FE043 outlet isolation valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet valve	0	HV	WO			8	butterfly	motor	flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
3	Pump MP001A, B, & C air release valve	0	PY	WO			2	AR		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
3	Pump MP001A, B, & C air release valve Isolation valves	0	PY	WO			2	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
3	PI 031 Isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	Pump MP001A, B, & C recirc isolation valve	0	PY	WO			30	butterfly		flange		320	70				25762-110-M6K-WO-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	FT034 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	PT033 isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-WO-00001		estimating	Super duplex ss	00A
1	Desal outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-WO-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A

JUOTC STUDY - Hybrid CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00005
Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	FT043 inlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
2	FT043 root valves	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating		00A
1	Desal brine outlet control valve	0	HV	WO			42	butterfly	Motor	flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Desal brine outlet isolation valve	0	PY	WO			42	butterfly		flange		320	70				25762-110-M6K-W0-00001		Valve Quote	Ductile iron, rubber lined, general service, lug type,	00A
1	Brine outlet PI root valve	0	PY	WO			1	gate		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet check valve	0	PY	WO			8	wafer check		flange		320	70				25762-110-M6K-W0-00001		estimating	Ductile iron, rubber lined, general service, lug type,	00A
2	Pump MP002A&B outlet air release valve	0	PY	WO			1	AR		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B outlet air release isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	Pump MP002A&B PI isolation valve	0	PY	WO			1	ball		flange		320	70				25762-110-M6K-W0-00001		estimating	Super duplex ss	00A
2	SL Grey Water Supply pump 4A & 4B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	SL Grey Water Supply pump 5A & 5B check valves	0	PV	WR			6	wafer check		flanged		325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	SL Grey Water Supply pump 4A & 4B discharge valves	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	SL Grey Water Supply pump 4A & 4B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release valve	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B air release isolation valve	0	PV	WR			2	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 4A & 4B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	SL Grey Water Supply pump 5A & 5B PI isolation valve	0	PV	WR			1	ball				325	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	SL Grey Water Supply pump 4A & 4B recirc valve isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	SL Grey Water Supply pump 5A & 5B recirc valve isolation valve	0	PV	WR			6	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
26	Supply line auto vent valves	0	PV	WR			2	gate				325	90				25762-110-M6K-WR-00003		estimating	duplex ss Assumes approximately 1 per mile	00B
26	supply line auto vent valve isolation valves	0	PV	WR			2	AR				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
26	supply line drain valves	0	PV	WR			3	gate				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
1	flow element isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank isolation valve	0	PV	WR			12	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
1	tank outlet valve	0	PV	WR			16	butterfly				325	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 002A & B Inlet valves	0	PV	WR			16	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B check valve	0	PV	WR			12	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B isolation valve	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP002A & 2B PI isolation valve	0	PV	WR			1	gate				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	Pump MP003A & B check valves	0	PV	WR			8	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron	00A
2	Pump MP003A & B isolation valves	0	PV	WR			8	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A
2	Pump MP 001 & B Inlet valves	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

JUOTC STUDY - Hybrid CT OPTION
 DCP
 Valve List

25762-110-M6X-YA-00005
 Rev. 00B

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
2	Pump MP001A & 1B check valve	0	PV	WR			12	wafer check				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B isolation valve	0	PV	WR			12	butterfly				65	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
2	Pump MP001A & 1B PI isolation valve	0	PV	WR			1	gate				30	90				25762-110-M6K-WR-00003		estimating	Ductile Iron	00A
1	storage pond outlet valve	0	PV	WR			36	butterfly				30	90				25762-110-M6K-WR-00003		estimating	Ductile iron, seats EPDM amd 316 SS, 316 SS trim	00A

JUOTC STUDY FINE MESH OPTION

Diablo Canyon Power Plant

Valve List

25762-110-M6X-YA-00006

00B		Issued for Estimate Report	<i>RP</i>	-	<i>RP</i>
00A	5/8/3013	Issued for estimating	RP	-	RP
Rev	Date	Reason for Revision	Originator	Checked	Approved

JUOTC STUDY FINE MESH OPTION
Diablo Canyon Power Plant
Valve List

25762-110-M6X-YA-00006
Rev. 00B

System Codes

WT	Traveling Screen Wash
PP	Personnel Protection

Note:

- 1 System Codes are Bechtel standard codes. Bechtel system codes may be assigned to existing plant equipment numbers to aid in list sorts.

JUOTC STUDY FINE MESH OPTION
Diablo Canyon
Valve List

25762-110-M6X-YA-00006
Rev. 00B

Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Remarks	Rev
Screen Wash Pump MP03 discharge	1	PV	WT			10	Wafer check		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Screen Wash Pump MP03 discharge	1	PV	WT			10	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00A
Inlet to pump discharge PI 03	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Inlet to automatic vent	1	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00A
Inlet to automatic vent	1	PV	WT			2	AR		flange		150	70	90	56.5			No	Super duplex material	00A
Inlet to Strainer ML09	1	PV	WT			16	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00B
Outlet to Strainer ML09	1	PV	WT			16	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00B
Strainer ML09 bypass	1	PV	WT			16	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00B
To PDIS 006	1	PV	WT			1	globe		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
To PDIS 006	1	PV	WT			1	globe		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Strainer waste discharge	1	PV	WT			8	ball	Mtr	flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 008	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 009A	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 009B	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 009C	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Inlet to PCV 011A	1	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A

JUOTC STUDY FINE MESH OPTION
Diablo Canyon
Valve List

25762-110-M6X-YA-00006
Rev. 00B

Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Remarks	Rev
Y-strainer Screen ML001 blow off	1	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011B	1	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML002 blow off	1	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011C	1	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML003 blow off	1	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011D	1	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML004 blow off	1	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011E	1	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML005 blow off	1	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011F	1	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML006 blow off	1	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Root connection to PI 011A	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011B	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011C	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011D	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011E	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011F	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A

JUOTC STUDY FINE MESH OPTION
Diablo Canyon
Valve List

25762-110-M6X-YA-00006
Rev. 00B

Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Remarks	Rev
Root connection to PI 012F	1	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Screen Wash Pump MP03 discharge	2	PV	WT			10	Wafer check		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Screen Wash Pump MP03 discharge	2	PV	WT			10	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00A
Inlet to pump discharge PI 03	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Inlet to automatic vent	2	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00A
Inlet to automatic vent	2	PV	WT			2	AR		flange		150	70	90	56.5			No	Super duplex material	00A
Inlet to Strainer ML09	2	PV	WT			16	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00B
Outlet to Strainer ML09	2	PV	WT			16	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00B
Strainer ML09 bypass	2	PV	WT			16	Butterfly		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Ductile iron, rubber lined, general service, lug type,	00B
To PDIS 006	2	PV	WT			1	globe		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
To PDIS 006	2	PV	WT			1	globe		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Strainer waste discharge	2	PV	WT			8	ball	Mtr	flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 008	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 009A	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 009B	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PS 009C	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A

JUOTC STUDY FINE MESH OPTION
Diablo Canyon
Valve List

25762-110-M6X-YA-00006
Rev. 00B

Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Remarks	Rev
Inlet to PCV 011A	2	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML001 blow off	2	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011B	2	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML002 blow off	2	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011C	2	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML003 blow off	2	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011D	2	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML004 blow off	2	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011E	2	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML005 blow off	2	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Inlet to PCV 011F	2	PV	WT			6	butterfly		flange		150	70	90	56.5			No	Ductile iron, rubber lined, general service, lug type,	00A
Y-strainer Screen ML006 blow off	2	PV	WT			2	ball		flange		150	70	90	56.5			No	Super duplex material	00B
Root connection to PI 011A	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011B	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011C	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011D	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A
Root connection to PI 011E	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A

JUOTC STUDY FINE MESH OPTION
 Diablo Canyon
 Valve List

25762-110-M6X-YA-00006
 Rev. 00B

Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Remarks	Rev	
Root connection to PI 011F	2	PV	WT			1	gate		flange		150	70	90	56.5		25762-11--M6K-WT-00001	No	Super duplex material	00A	

JUOTC - DIABLO CANYON

Preliminary Mechanical Valve List Wet Mechanical Draft (Seawater) - 44 Cell Option

25762-110-M6X-YA-00007

00A	6-10-14	Issue for Estimate	DSM	POPE	POPE
Rev	Date	Reason for Revision	Originator	Checked	Approved

JUOTC WET MECHANICAL DRAFT CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00007
Rev. 00A

System Codes

Commodity Code

AD	Condensate	PV	Valve
PF	Fire Protection	HV	valve with motor or pneumatic operator used for on /off operation
PI	Plant Air		
TL	Circ. Wtr Chem Inj		
WB	Service water		
WL	Circulating Water		
WO	Sea Water		
WR	Raw Water (Grey water)		

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplied by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 44 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00007
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
44	CT RISER ISOLATION VALVES (1 RISER / CELL)	1	HV	WL		A	36	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
44	CT RISER ISOLATION VALVES (1 RISER / CELL)	2	HV	WL		A	36	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001A	1	HV	WL		A	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001B	1	HV	WL		B	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	130		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001C	1	HV	WL		C	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001D	1	HV	WL		D	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001A	1	HV	WL		A	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001B	1	HV	WL		B	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001C	1	HV	WL		C	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001D	1	HV	WL		D	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	PIT011A	1	PV	WL			1	GATE				100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011B	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011C	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011D	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 44 Cell Option
 DCPD
 Valve List

25762-110-M6X-YA-00007
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	OUTLET FROM WL-MP-001B AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001B AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012A	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012B	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012C	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012D	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A DISCHARGE	1	HV	WL		A	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B DISCHARGE	1	PV	WL		B	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C DISCHARGE	1	PV	WL		C	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A MIN FLOW	1	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002A	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002A AUTO VENT ISOLATION	1	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 44 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00007
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (*F)	Service Press (psig)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	OUTLET TO WL-MP-002A AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B MIN FLOW	1	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002B	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT ISOLATION	1	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C MIN FLOW	1	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002C	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT ISOLATION	1	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	UPSTREAM OF LV009 ON MAKEUP LINE	1	PV	WI			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	LV009 ON THE MAKEUP LINE	1	PV	WL			24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF LV009 ON THE MAKEUP LINE	1	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	BYPASS FOR LV009 ON THE MAKEUP LINE	1	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	ISOLATION VALVE FOR BLOWDOWN TO CT WL-ME-001A/B	1	PV	WI			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 44 Cell Option
 DCPD
 Valve List

25762-110-M6X-YA-00007
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Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	UPSTREAM OF HV017 ON BLOWDOWN LINE	1	PV	WI			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	HV017 ON THE BLOWDOWN LINE	1	PV	WL			36	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF HV017 ON THE BLOWDOWN LINE	1	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	BYPASS FOR HV017 ON THE BLOWDOWN LINE	1	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	INLET ISOLATION WL-MP-001A	2	HV	WL		A	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001B	2	HV	WL		B	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001C	2	HV	WL		C	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001D	2	HV	WL		D	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001A	2	HV	WL		A	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001B	2	HV	WL		B	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001C	2	HV	WL		C	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001D	2	HV	WL		D	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	PIT011A	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011B	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011C	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 44 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00007
 Rev. 00A

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1	PIT011D	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001B AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001B AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012A	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012B	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012C	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012D	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A DISCHARGE	2	HV	WL		A	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B DISCHARGE	2	PV	WL		B	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C DISCHARGE	2	PV	WL		C	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A MIN FLOW	2	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A

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 Seawater 44 Cell Option
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25762-110-M6X-YA-00007
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1	SALT WATER MAKEUP PUMP WL-MP-002A CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002A	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002A AUTO VENT ISOLATION	2	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002A AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B MIN FLOW	2	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002B	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT ISOLATION	2	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C MIN FLOW	2	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002C	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT ISOLATION	2	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	UPSTREAM OF LV009 ON MAKEUP LINE	2	PV	WI			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	LV009 ON THE MAKEUP LINE	2	PV	WL			24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF LV009 ON THE MAKEUP LINE	2	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 44 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00007
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	BYPASS FOR LV009 ON THE MAKEUP LINE	2	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	ISOLATION VALVE FOR BLOWDOWN TO CT WL-ME-001A/B	2	PV	WI			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	UPSTREAM OF HV017 ON BLOWDOWN LINE	2	PV	WI			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	HV017 ON THE BLOWDOWN LINE	2	PV	WL			36	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF HV017 ON THE BLOWDOWN LINE	2	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	BYPASS FOR HV017 ON THE BLOWDOWN LINE	2	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	SALT WATER COOLING PUMP WO-MP-001A DISCHARGE	1	HV	WO		A	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	58		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B DISCHARGE	1	PV	WO		B	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001A MIN FLOW	1	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001A CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO PI013A	1	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT ISOLATION	1	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT	1	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER COOLING PUMP WO-MP-001B MIN FLOW	1	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 44 Cell Option
 DCPD
 Valve List

25762-110-M6X-YA-00007
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (*F)	Service Press (psig)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	INLET TO PI013B	1	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT ISOLATION	1	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT	1	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER COOLING PUMP WO-MP-001A DISCHARGE	2	HV	WO		A	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B DISCHARGE	2	HV	WO		B	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B MIN FLOW	2	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001A CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO PI013A	2	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT ISOLATION	2	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT	2	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER COOLING PUMP WO-MP-001B MIN FLOW	2	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO PI013B	2	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT ISOLATION	2	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT	2	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A

JUOTC - DIABLO CANYON
Preliminary Mechanical Valve List
Wet Mechanical Draft (Seawater) - 34 Cell Option
25762-110-M6X-YA-00008

00A	6-10-14	Issue for Estimate	DSM	For PLO	J.D.
Rev	Date	Reason for Revision	Originator	Checked	Approved

JUOTC WET MECHANICAL DRAFT CT OPTION
DCPP
Valve List

25762-110-M6X-YA-00008
Rev. 00A

System Codes

Commodity Code

AD	Condensate	PV	Valve
PF	Fire Protection	HV	valve with motor or pneumatic operator used for on /off operation
PI	Plant Air		
TL	Circ. Wtr Chem Inj		
WB	Service water		
WL	Circulating Water		
WO	Sea Water		
WR	Raw Water (Grey water)		

Note:

- 1 Valves furnished with vendor packages are not included in this list. Some valves supplied by the cooling tower supplier have been included in the equipment list to help define the scope of supply by

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCCP
 Valve List

25762-110-M6K-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (*F)	Service Press (psig)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
34	CT RISER ISOLATION VALVES (1 RISER / CELL)	1	HV	WL		A	36	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
34	CT RISER ISOLATION VALVES (1 RISER / CELL)	2	HV	WL		A	36	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001A	1	HV	WL		A	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001B	1	HV	WL		B	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	130		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001C	1	HV	WL		C	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001D	1	HV	WL		D	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001A	1	HV	WL		A	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001B	1	HV	WL		B	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001C	1	HV	WL		C	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001D	1	HV	WL		D	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	PIT011A	1	PV	WL			1	GATE				100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011B	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011C	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011D	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCPD
 Valve List

25762-110-M6X-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (*F)	Service Press (psig)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	OUTLET FROM WL-MP-001B AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001B AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	1	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012A	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012B	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI 001C	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012D	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A DISCHARGE	1	HV	WL		A	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B DISCHARGE	1	PV	WL		B	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C DISCHARGE	1	PV	WL		C	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A MIN FLOW	1	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002A	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002A AUTO VENT ISOLATION	1	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (*F)	Service Press (psig)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	OUTLET TO WL-MP-002A AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B MIN FLOW	1	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002B	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT ISOLATION	1	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C MIN FLOW	1	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002C	1	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT ISOLATION	1	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT	1	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	UPSTREAM OF LV009 ON MAKEUP LINE	1	PV	WI			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	LV009 ON THE MAKEUP LINE	1	PV	WL			24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF LV009 ON THE MAKEUP LINE	1	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	BYPASS FOR LV009 ON THE MAKEUP LINE	1	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	ISOLATION VALVE FOR BLOWDOWN TO CT WL-ME-001A/B	1	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCPD
 Valve List

25762-110-M6X-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (*F)	Service Press (psig)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	UPSTREAM OF HV017 ON BLOWDOWN LINE	1	PV	WI			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	HV017 ON THE BLOWDOWN LINE	1	PV	WL			36	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF HV017 ON THE BLOWDOWN LINE	1	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	BYPASS FOR HV017 ON THE BLOWDOWN LINE	1	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	INLET ISOLATION WL-MP-001A	2	HV	WL		A	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001B	2	HV	WL		B	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001C	2	HV	WL		C	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	INLET ISOLATION WL-MP-001D	2	HV	WL		D	120	BUTTERFLY	MOTOR	FLANGE		50	130	30	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001A	2	HV	WL		A	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001B	2	HV	WL		B	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001C	2	HV	WL		C	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	OUTLET ISOLATION WL-MP-001D	2	HV	WL		D	108	BUTTERFLY	MOTOR	FLANGE		85	130	75	125		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, EPOXY COATED OR RUBBER LINED	00A
1	PIT011A	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011B	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	PIT011C	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	PIT011D	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001A AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001B AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001B AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001C AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	2	PV	WL			2	BALL	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	OUTLET FROM WL-MP-001D AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012A	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012B	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012C	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	ROOT CONNECTION TO PI012D	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	DUPLEX STAINLESS STEEL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A DISCHARGE	2	HV	WL		A	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B DISCHARGE	2	PV	WL		B	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C DISCHARGE	2	PV	WL		C	24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002A MIN FLOW	2	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCPD
 Valve List

25762-110-M6X-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (pslg)	Design Temp (*F)	Service Press (pslg)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	SALT WATER MAKEUP PUMP WL-MP-002A CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002A	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002A AUTO VENT ISOLATION	2	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002A AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B MIN FLOW	2	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002B CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002B	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT ISOLATION	2	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002B AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C MIN FLOW	2	PV	WL		C	8	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER MAKEUP PUMP WL-MP-002C CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO WL-MP-002C	2	PV	WL			1	GATE		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT ISOLATION	2	PV	WL			2	BALL		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WL-MP-002C AUTO VENT	2	PV	WL			2	AR		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	UPSTREAM OF LV009 ON MAKEUP LINE	2	PV	WI			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	LV009 ON THE MAKEUP LINE	2	PV	WL			24	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF LV009 ON THE MAKEUP LINE	2	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (in)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (*F)	Service Press (psig)	Service Temp (*F)	Rating	P&ID	Heat Trace (Yes/No)	Bid	Remarks	Rev
1	BYPASS FOR LV009 ON THE MAKEUP LINE	2	PV	WL			24	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	ISOLATION VALVE FOR BLOWDOWN TO CT WL-ME-001A/B	2	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	UPSTREAM OF HV017 ON BLOWDOWN LINE	2	PV	WI			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	HV017 ON THE BLOWDOWN LINE	2	PV	WL			36	BUTTERFLY	MOTOR	FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	DOWNSTREAM OF HV017 ON THE BLOWDOWN LINE	2	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	BYPASS FOR HV017 ON THE BLOWDOWN LINE	2	PV	WL			36	BUTTERFLY		FLANGE		100	150	75	100		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, SEATS EPDM AND 316 SS, 316 SS TRIM	00A
1	SALT WATER COOLING PUMP WO-MP-001A DISCHARGE	1	HV	WO		A	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B DISCHARGE	1	PV	WO		B	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001A MIN FLOW	1	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001A CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO PI013A	1	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT ISOLATION	1	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT	1	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER COOLING PUMP WO-MP-001B MIN FLOW	1	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B CHECK	1	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A

JUOTC STUDY - Wet Mechanical Draft CT Option
 Seawater 34 Cell Option
 DCPP
 Valve List

25762-110-M6X-YA-00008
 Rev. 00A

Qty	Line Description	Unit	Comm	System	Valve Seq. No.	Suffix	Dia (In)	Valve Type	Act. Type	End Prep.	Valve Material Class	Design Press (psig)	Design Temp (°F)	Service Press (psig)	Service Temp (°F)	Rating	P&ID	Heat Trace (Yes/No)	Bld	Remarks	Rev
1	INLET TO PI013B	1	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT ISOLATION	1	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT	1	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER COOLING PUMP WO-MP-001A DISCHARGE	2	HV	WO		A	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B DISCHARGE	2	HV	WO		B	24	BUTTERFLY	MOTOR	FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001A MIN FLOW	2	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001A CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO PI013A	2	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT ISOLATION	2	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001A AUTO VENT	2	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	SALT WATER COOLING PUMP WO-MP-001B MIN FLOW	2	PV	WO		B	8	BUTTERFLY		FLANGE		100	70	75	56		25762-110-M6K-WL-00007	NO	VALVE QUOTE	DUCTILE IRON, RUBBER LINED, GENERAL SERVICE, LUG TYPE	00A
1	SALT WATER COOLING PUMP WO-MP-001B CHECK	2	PV	WL			24	CHECK		FLANGE		100	150	75	100		25762-110-M6K-WL-00007	NO	VALVE QUOTE	WAFER TYPE CHECK VALVE	00A
1	INLET TO PI013B	2	PV	WO			1	GATE		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT ISOLATION	2	PV	WO			2	BALL		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A
1	OUTLET TO WO-MP-001B AUTO VENT	2	PV	WO			2	AR		FLANGE		100	70	75	56		25762-110-M6K-WL-00008	NO	ESTIMATING	SUPER DUPLEX MATERIAL	00A

