QUALITY CONTROL MANUAL

THOMPSON VALLEY ERECTORS LTD.
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REGISTERED WELDING PROCEDURES

PROCEDURE NUMBER	BASE METAL	PROCESS	ELECTRODE CLASS	MINIMUM DIAMETER	MAXIMUM THICK.	CURRENT REQUIRED	SHIELDING GAS TYPE BACKING GAS TYPE
PWP # 1	P1-P1	SMAW	E6010 / E7018	2 7/8"	0.864"	DCEP	NONE
PWP # 2	P1-P1	SMAW	E6010 / E7018	2 7/8"	0.864"	DCEP	NONE
PWP # 3	P1-P1	SMAW	E6010	2 7/8"	0.864"	DCEP	NONE
PWP # 4	P1-P1	SMAW	E6010 / E7018	PLATE	2.00"	DCEP	NONE
PWP # 5	P1-P1	OFW	RG 60	2 7/8"	0.237"	N/A	OXY-ACET
PWP # 6	P1-P1	GMAW	ER 70S-6	2 7/8"	1.00"	DCEP	C02 @ 100 %
PWP # 7	P1-P1	SMAW	E6010 / E7018	1.0"	0.864"	DCEP	NONE **UPHAND**
PWP # 8	P1-P1	SMAW	E6010 / E7018	1.0"	0.864"	DCEP	NONE **1&2 DOWN**
PWP # 9	P1-P1	GTAW / SMAW	ER70S-2 / E7018		0.864"	DCEN / DCEP	ARGON @ 100%
PWP # 10	P8-P8	GTAW	ERXXX-L	1.0"	0.474"	DCEN	ARGON / ARGON
PWP # 11	P1-P1	SMAW	E6010 / E7010	2 7/8"	0.75"	DCEP	NONE
PWP # 12	P51-P51	GTAW	ER TI2	2 7/8"	0.268"	DCEN	ARGON / ARGON
PWP # 13	P23-P23	GTAW	ER 5356	1.0"	0.5"	AC	ARGON or Ar & He
MCABC1	P1-P1	SMAW	E6010 / E7018	1.0"	0.864"	DCEP	NONE **UPHAND**
MCABC1A	P1-P1	SMAW	E6010 / E7018	1.0"	0.864"	DCEP	NONE **1&2 DOWN**
BCP 100	P1-P1	SMAW	E6010 / E7018	2 7/8"	0.864"	DCEP	NONE
TVE SM-P1-P1	P1-P1	SMAW	E6010 / E7018	Unlimited	0.864"	DCEP	IMPACT TESTED
TVE SM-P1-P1-F4	P1-P1	SMAW	E7018	Unlimited	1.5"	DCEP	NONE
TVE SM-P1-P1-PWHT	P1-P1	SMAW	E7018	Unlimited	8.0"	DCEP	POST WELD HEAT TREATED
TVE SM-P1-P8	P1-P8	SMAW	E3XXXL-15,16,17	Unlimited	1.5"	DCEP	NONE
TVE SM-P1-P10H	P1-P10H	SMAW	E2209-15,16,17	Unlimited	1.5"	DCEP	NONE
TVE SM-P8-P8	P8-P8	SMAW	EXXXL-15,16,17	Unlimited	1.5"	DCEP	NONE
TVE SM-P8-P10H	P8-P10H	SMAW	E2209-15,16,17	Unlimited	0.75"	DCEP	NONE
TVE SM-P10H-P10H	P10H-P10H	SMAW	E2209-15,16,17	Unlimited	0.75"	DCEP	NONE
TVE SM-P1-OVL	P1	SMAW	E309L-15,16,17	Unlimited	Unlimited	DCEP	NONE
TVE GT-P1-P1	P1-P1	GTAW	ER70SX	Unlimited	0.436"	DCEN	ARGON
TVE GT-P1-P8	P1-P8	GTAW	ER309L	Unlimited	0.436"	DCEN	ARGON / ARGON
TVE GT-P1-P10H	P1-P10H	GTAW	ER2209	Unlimited	0.436"	DCEN	ARGON / ARGON
TVE GT-P8-P8	P8-P8	GTAW	ER3XX-X	Unlimited	0.436"	DCEN	ARGON / ARGON
TVE GT-P8-P10H	P8-P10H	GTAW	ER2209	Unlimited	0.436"	DCEN	ARGON / ARGON
TVE GT-P10H-P10H	P10H-P10H	GTAW	ER2209	Unlimited	0.436"	DCEN	ARGON / ARGON
TVE GT-P8-P8-FLUX	P8-P8	GTAW	ER316L FC*	Unlimited	0.25"	DCEN	ARGON
TVE GT-P4-P4	P4-P4	GTAW / SMAW	ER80S / E8018 B2	Unlimited	0.688"	DCEN / DCEP	ARGON
TVE GT-P5A-P5A	P5A-P5A	GTAW / SMAW	ER90S / E9018 B3	Unlimited	0.688"	DCEN / DCEP	ARGON
			EXHIBIT # 5				

* Only filler metal manufactured by "Filler Metal LLC" may be used.

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TVE FC-P1-P1	P1-P1	FCAW	E7XT-X	Unlimited	1.5"	DCEP	ARGON / CO2 75% / 25%
TVE FC-P1-P8	P1-P8	FCAW	E309LTX-X	Unlimited	1.5"	DCEP	ARGON / CO2 75% / 25%
TVE FC-P1-P10H	P1-P10H	FCAW	E2209 TX-X	Unlimited	1.5"	DCEP	ARGON / CO2 75% / 25%
TVE FC-P8-P8	P8-P8	FCAW	EXXLTX-X	Unlimited	1.5"	DCEP	ARGON / CO2 75% / 25%
TVE P8-P10H	P8-P10H	FCAW	E2209 TX-X	Unlimited	1.5"	DCEP	ARGON / CO2 75% / 25%
TVE FC-P10H-P10H	P10H-P10H	FCAW	E2209 TX-X	Unlimited	1.5"	DCEP	ARGON / CO2 75% / 25%
			EXHIBIT # 5			