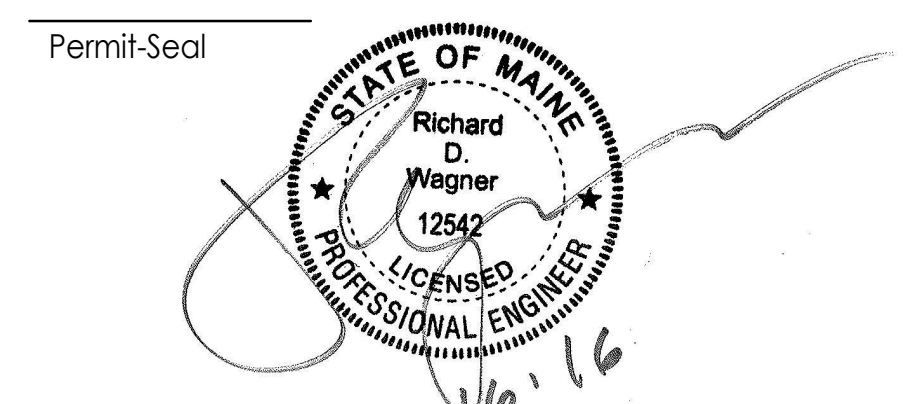


CONTROL VALVE SCHEDULE										
UNIT ID	SERVICE	VALVE TYPE	VALVE FLOW (GPM)	MINIMUM Cv	MAX CONTROL PRESSURE (PSI)	VALVE FLUID TYPE	FAIL SAFE POSITION	OPENING CHARACTERISTICS	NOTES	
TCV-MP912-10	RHC-001 (HC)	TWO-WAY	8.4	3.81	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-09	RHC-002 (HC)	TWO-WAY	8.4	3.81	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-17	RHC-003 (HC)	TWO-WAY	8.5	3.85	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-16	RHC-004 (HC)	TWO-WAY	8.6	3.90	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-07	RHC-005 (HC)	TWO-WAY	0.5	0.23	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-12	RHC-006 (HC)	TWO-WAY	1.6	0.72	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-08	RHC-007 (HC)	TWO-WAY	0.7	0.32	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-06	RHC-008 (HC)	TWO-WAY	0.9	0.41	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-04	RHC-009 (HC)	TWO-WAY	0.5	0.23	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-14	RHC-010 (HC)	TWO-WAY	1.0	0.45	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-18	RHC-011 (HC)	TWO-WAY	6.2	2.81	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-20	RHC-012 (HC)	TWO-WAY	2.2	1.00	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-19	RHC-013 (HC)	TWO-WAY	1.0	0.45	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-18	RHC-014 (HC)	TWO-WAY	1.5	0.68	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-19	RHC-015 (HC)	TWO-WAY	2.1	0.95	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-15	RHC-016 (HC)	TWO-WAY	0.5	0.23	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-24	RHC-017 (HC)	TWO-WAY	0.4	0.18	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-10	RHC-018 (HC)	TWO-WAY	0.5	0.23	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-23	RHC-019 (HC)	TWO-WAY	5.3	2.40	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-17	RHC-020 (HC)	TWO-WAY	1.4	0.63	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-09	RHC-021 (HC)	TWO-WAY	4.2	1.90	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-11	RHC-022 (HC)	TWO-WAY	2.8	1.27	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-16	RHC-023 (HC)	TWO-WAY	8.6	3.90	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-15	RHC-024 (HC)	TWO-WAY	4.7	2.13	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-14	RHC-025 (HC)	TWO-WAY	2.2	1.00	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-11	RHC-026 (HC)	TWO-WAY	0.8	0.36	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-06	RHC-027 (HC)	TWO-WAY	0.2	0.09	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-04	RHC-028 (HC)	TWO-WAY	0.2	0.09	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-05	RHC-029 (HC)	TWO-WAY	0.2	0.09	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-07	RHC-030 (HC)	TWO-WAY	0.2	0.09	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-08	RHC-031 (HC)	TWO-WAY	0.3	0.14	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-21	RHC-032 (HC)	TWO-WAY	0.4	0.18	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-22	RHC-033 (HC)	TWO-WAY	0.4	0.18	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-20	RHC-034 (HC)	TWO-WAY	8.4	3.81	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-13	RHC-035 (HC)	TWO-WAY	9.4	4.26	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-03	CUH-01 (HC)	TWO-WAY	2.0	0.91	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-05	CUH-02 (HC)	TWO-WAY	2.0	0.91	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-01	UH-01 (HC)	TWO-WAY	5.0	2.26	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-02	UH-02 (HC)	TWO-WAY	5.0	2.26	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-12	UH-03 (HC)	TWO-WAY	5.0	2.26	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP911-13	UH-04 (HC)	TWO-WAY	5.0	2.26	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-XXX-XX	FCU-01	TWO-WAY	4.3	1.95	5	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		
TCV-XXX-XX	FCU-01	TWO-WAY	1.5	0.68	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP900-01	CH-1	TWO-WAY	444	N/A	N/A	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		1
TCV-MP900-02	CH-2	TWO-WAY	444	N/A	N/A	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		1
FCV-MP901-01	CHILLED GLYCOL BYPASS	TWO-WAY	200	90.60	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
FCV-MP910-01	HOT GLYCOL BYPASS	TWO-WAY	40	18.12	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
HCV-DP921-01	AHU-1 (H)	TWO-WAY	N/A	N/A	N/A	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		2
TCV-MP901-03	AHU-1 (CC)	TWO-WAY	197	89.24	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
HCV-DP921-02	AHU-2 (H)	TWO-WAY	N/A	N/A	N/A	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		2
TCV-MP901-01	AHU-2 (CC)	TWO-WAY	154	69.76	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
HCV-DP921-03	AHU-3 (H)	TWO-WAY	N/A	N/A	N/A	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		2
TCV-MP901-02	AHU-3 (CC)	TWO-WAY	93	42.13	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
HCV-DP921-04	AHU-4 (H)	TWO-WAY	N/A	N/A	N/A	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		2
TCV-MP901-04	AHU-4 (CC)	TWO-WAY	44	19.93	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP910-01	HTX-1	TWO-WAY	160	N/A	N/A	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		1
TCV-MP910-02	HTX-2	TWO-WAY	160	N/A	N/A	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		
TCV-MP901-05	FCU-01	TWO-WAY	5	2.26	5	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		
TCV-MP912-21	AHU-2 (PHC)	TWO-WAY	34	15.4	5	30% PROPYLENE GLYCOL	OPEN	EQUAL PERCENTAGE		
TCV-MP912-22	ELUATE TANK	TWO-WAY	5	2.26	5	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		
TCV-MP901-06	ELUATE TANK	TWO-WAY	5	2.26	5	30% PROPYLENE GLYCOL	CLOSED	EQUAL PERCENTAGE		

- NOTES:
- CONTROL VALVE SHALL BE USED FOR OPEN/CLOSE OPERATION ONLY.
 - HUMIDIFIER CONTROL VALVE BY HUMIDIFIER MANUFACTURER. STEAM PRESSURE TO COIL 25 PSIG CLEAN STEAM.

1	ADDENDUM #1	09/16/2016
0	INTERIOR FIT OUT - ISSUED FOR CONSTRUCTION	08/19/2016
Revision		
PACKAGE D - PROCESS		
PACKAGE C - INTERIOR FIT-OUT		
PACKAGE B - SUPERSTRUCTURE & SHELL		
PACKAGE A - FOUNDATIONS & BELOW SLAB		
Issued		



Client/Project
IMMUCELL

Lot 11 - Second Tee Business Park
1039 Riverside Street
Portland, Maine 04103

Title
MECHANICAL PIPING SCHEDULES

Project No. 191504176 Scale 12" = 1'-0"

Revision 1 Drawing No.

MP-801-C