

CONNECTION POINT LIST

Customer: Merit foods
Site: Winnipeg Manitoba
Description: Waste Water FCE
Project No.: 18-877

Created By: TRR
Date Created: 10/14/2019

Revision: C
Revision By: DGM
Revision Date: 2/7/2020

FOR CONSTRUCTION

Qty	Tag No.	Service	Specification	Rate (Nominal)	Rate (Max)	Connection Size	Connection Type
EVAPORATOR SYSTEM:							
1	CP-01	MVR cooling water and desuper heat spray	soft water supply < 30 deg C	1 GPM	2 GPM	1/2"	NPT
1	CP-02	Condensate out	Condensate out, 65 deg C	2000 kg/h	4000 kg/h	1.5"	150# Flg
1	CP-03	Filtered feed supply	14 to 16 %TS nominal, 60 deg C	3000 kg/h	5000 kg/h	1"	150# Flg
1	CP-04	Water supply	Water for flushing, CIP etc. > 50 deg C	15 GPM	18 GPM	1"	150# Flg
1	CP-05	CIP chemical supply	NaOH and nitric acid 20%	600 kg/h	800 kg/h	1"	150 # Flg
1	CP-06	water vapor vent	Vapor to ambient, 100 deg C, 1.7 m3/kg	30 kg/h	300 kg/h	2.5"	150# Flg
1	CP-07	Sewer	Waste Water	0.2 GPM	70 GPM	1)	drain
1	CP-08	evap concentrate	48 % solid from evaporator	1000 kg/h	3000 kg/h	1.5"	150 # Flg
1	CP-09		Omit				
1	CP-10	Flush water drain	Flush water return	30 GPM	60 GPM	2"	150 # Flg
1	CP-11	Water supply	water for flush/cleaning, > 50 deg C	30 GPM	60 GPM	2"	150 # Flg
1	CP-12	Steam supply	min. 30 PSIG steam for evaporator	30 kg/h	500 kg/h start-up	2.5"	150# Flg
1	CP-13	Seal Water Supply	city water quality	2.5 GPM	4 GPM	1/2"	NPT
1	CP-14	Seal Water Return	Water	2.5 GPM	4 GPM	1/2"	NPT
1	CP15	Instrument Air	Instrument quality		10 SCFM @ 90 PSIG	1/2"	NPT

Notes:

- 1) **Client to design drains**
 2)