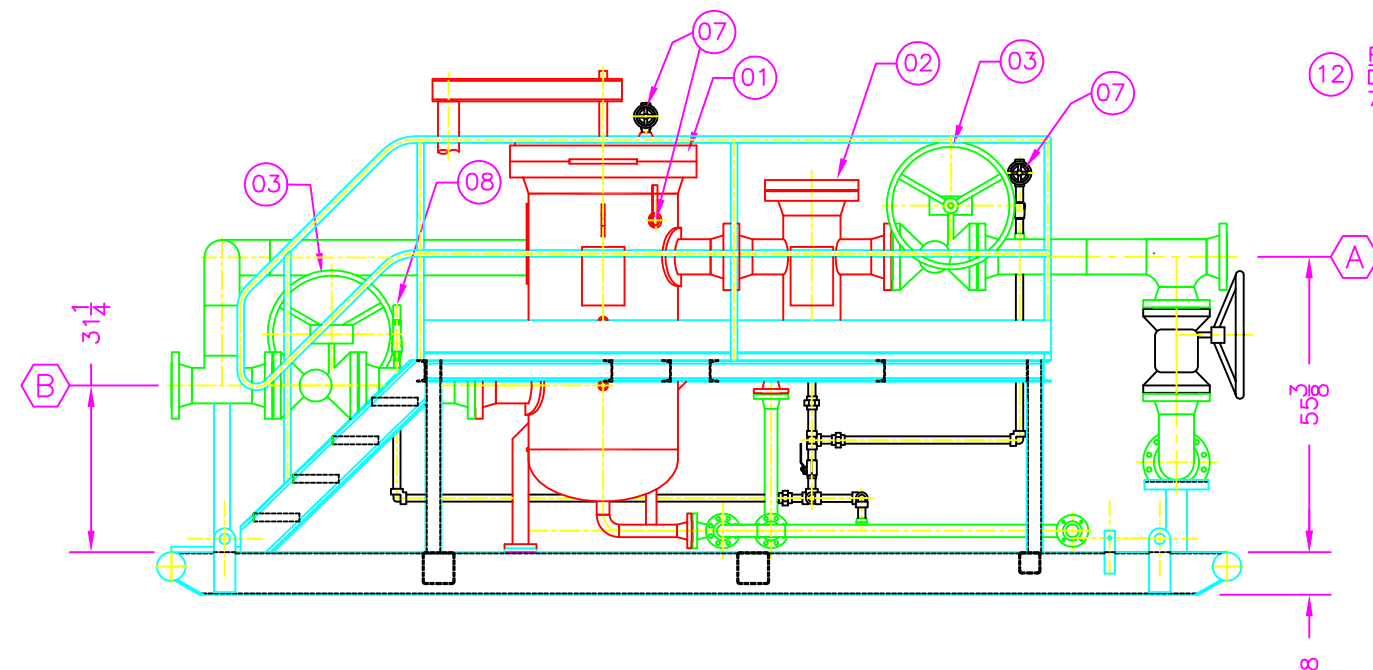
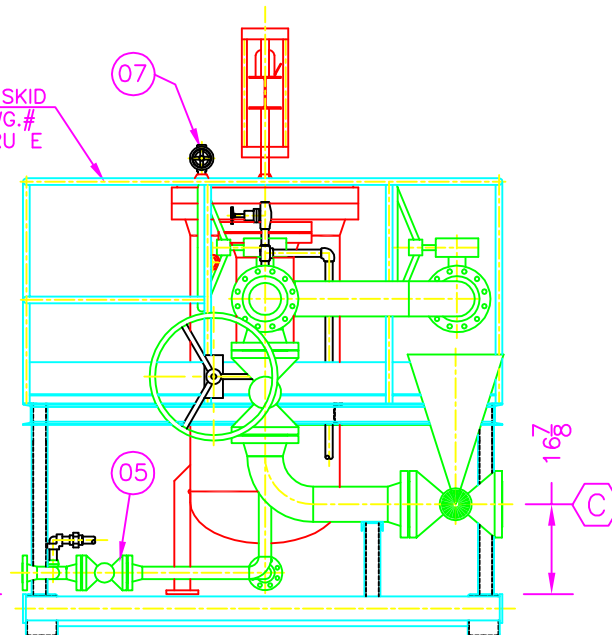


NOZZLE ORIENTATION



12 PLATFORM AND SKID DETAILS SEE DWG.# 710A-003A THRU E



**GENERAL NOTES**

- ALL DIMENSIONS ARE IN INCHES, AND MAY VARY +/- 3/8".
- REFER TO NPE DRAWING 710A-001 FOR P&ID.
- REFER TO NPE DRAWINGS 710A-003A THRU D FOR STRUCTURAL DETAILS
- REFER TO NPE DRAWINGS 710A-004A THRU H FOR PIPING DETAILS
- PIPING CONFIGURATION WITHIN NPE SCOPE OF SUPPLY MAY DIFFER SLIGHTLY AT NPE DISCRETION FROM THAT SHOWN IN THIS DRAWING
- APPROXIMATE TOTAL DRY SHIPPING WEIGHT: 13,000 lbs. (5,897 kg)

YMN-B051-V-001-A

**BILL OF MATERIAL**

ITEM	QTY.	DESCRIPTION	MFR'R
01	1	FILTER HOUSING, 6" 300# RF INLET/OUTLET PECO M/N: 57-66-229-28-701-6F REQUIRES 66 FILTER POSTS BY NPE FILTER ELEMENTS SUPPLIED BY NEXEN 2,815 lbs. DRY WEIGHT	MICRON/E&D
02	1	BASKET STRAINER, 6" 300# RF INLET/OUTLET 10" XH BODY, 602 lbs. DRY WEIGHT	E&D PIPE
03	4	6" 300# RF FP BALL VALVE, GEAR OPERATED TRUNNION STYLE, CS BODY, SS BALL & STEM MODEL NUMBER: 370CT-24TFF23	WKM
04	1	6" 300# RF FP GLOBE VALVE CS BODY, 316SS TRIM, M/N 23FCB4-2 ALTERNATIVE: LCC BODY M/N 23FLCC4-S	NEWCO
05	2	2" 300# RF FP BALL VALVE, LEVER OPERATED TRUNNION STYLE, CS BODY, SS BALL & STEM MODEL NUMBER: 370D4-24YFF23	WKM
06	2	1" 3000# (2220# FOR PTFE SEAT) FNPT RP BALL VALVE 316SS BODY & TRIM M/N: 6104-21221	KF
07	3	1" 800# FP GATE VALVE, 316SS BODY & TRIM MODEL NUMBER: B3604LUT-F316	CRANE
08	1	3/4" MNPT X 1" FNPT PRES. RELIEF VALVE 316SS BODY & TRIM M/N: 95130MA	CROSBY
09	1	DIFFERENTIAL PRESSURE TRANSMITTER 0-25 psig DIFF., 4-20 mA OUTPUT 0-750 INCHES WATER MODEL NUMBER 1151DP5S52M7B1C6	ROSEMOUNT
10	2	DIFFERENTIAL PRESSURE INDICATOR 1/2" PORTS, 0-25 psi, DUAL SCALE M/N 201-PG-I-C-2.5L	ORANGE RESEARCH
11	4	MULTIPORT BLOCK & BLEED VALVE 3/4" INLET W/ THREE 1/2" OUTLET PORTS M/N: MS1VIS-46-CB / H71VIS-44Q-CB	ANDERSON GREENWOOD
12	1	STRUCTURAL STEEL SKID, 8"x6"x1/4" HSS MAIN MEMBERS C/W FABRICATED PLATFORM 3/16" X 1-1/4" SERRATED GRATING 1-1/4" STD PIPE HANDRAIL TOTAL APPROXIMATE DRY WEIGHT: 4,270 lbs.	NPE

REV	DATE	DESCRIPTION	BY	CHK	APR
3	07/07/04	AS BUILT	PZ	AS	AS
2	04/01/04	ISSUED FOR CONSTRUCTION	PZ	AS	AS
1	12/23/03	DELETED PDIT ON STRAINER	PZ	AS	AS
	03/03/04	NPE INTERNAL REALIGNMENT			
0	12/01/03	ISSUED FOR CONSTRUCTION	PZ	AS	AS

**PROJECT REFERENCE**

CUSTOMER	
CUSTOMER REF.	CONTRACT NO. 4600000710
CONSULTANT	MACDONALD ENGINEERING
END USER	
PROJECT REF.	20KBWPD WATER FILTRATION SKIDS
LOCATION	
TAG NO.	A9 THRU A11
NPE JOB NO.	SLS236280

**NOZZLE SCHEDULE**

TAG	SIZE	DESCRIPTION	RATING	MAT'L	ORIENTATION
A	6"	INLET	300# RF	SA-105	270
B	6"	OUTLET	300# RF	SA-105	90°
C	6"	BY-PASS	300# RF	SA-105	0°
D	2"	DRAIN	150# RF	SA-105	180°

**National Process Equipment PUMPS & COMPRESSORS**

Vancouver - Calgary - Edmonton - Saskatoon - Winnipeg - Toronto - Montreal - Halifax			
BRANCH	EDMONTON, PHONE: (780)452-4490, FAX: (780)452-9140	CONTACT	AMAR SIHRA
TITLE 20KBWPD WATER FILTRATION SKID GENERAL ARRANGEMENT DRAWING			
SCALE	DRAWN BY	DATE DRAWN	CHECKED BY
N.T.S.	JB	01/22/03	AS
PROJECT NUMBER	DRAWING NUMBER	REVISION	
SLS236280	710A-002	3	