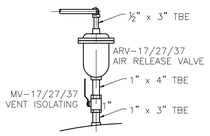
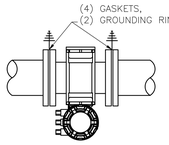
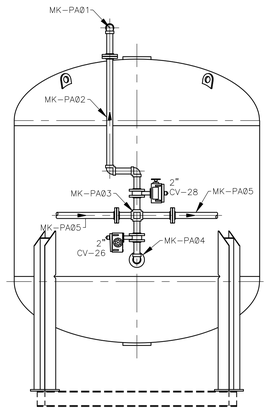
EXHIBIT G4



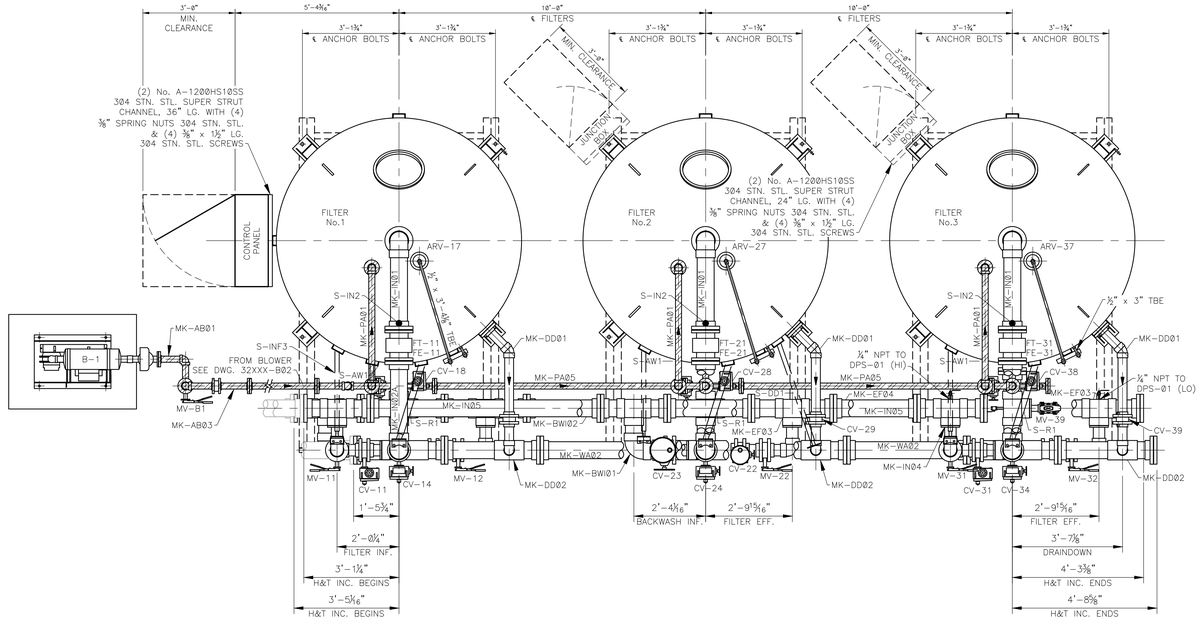
VENT PIPING DETAIL



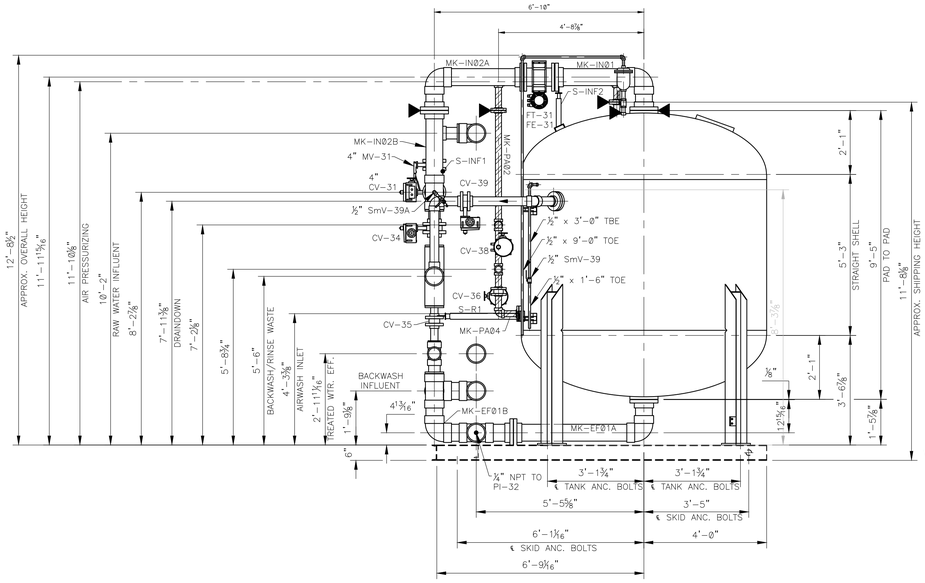
TYPICAL FLOW METER DETAIL
N.T.S



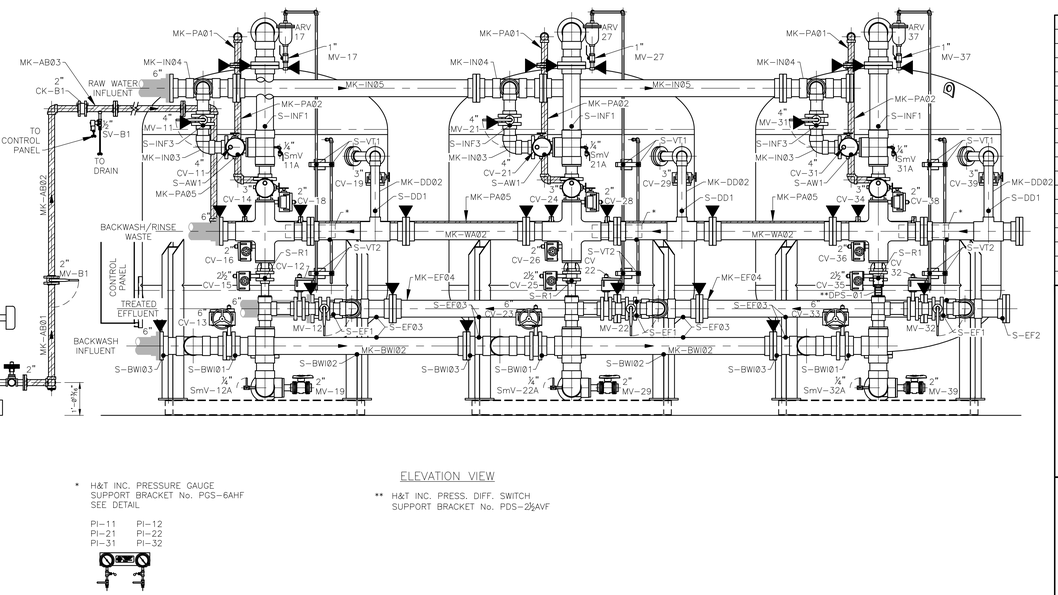
FILTER AIR PIPING DETAIL
FILTER #2 SHOWN
MK ARRANGEMENT SIMILAR FOR
OTHER FILTERS



PLAN VIEW



SIDE VIEW



ELEVATION VIEW

* H&T INC. PRESSURE GAUGE SUPPORT BRACKET No. PGS-6AHF SEE DETAIL

PI-11 PI-12
PI-21 PI-22
PI-31 PI-32

** H&T INC. PRESS. DIFF. SWITCH SUPPORT BRACKET No. PDS-2½AVF

HARDWARE SIZING CHART (STEEL PIPE)

CONNECTION SIZE	CONNECTION TYPE	STUD SIZE	*MIN. LENGTH
2"	FLANGE-FLANGE	⅝"	3½"
2"	FLANGE-PAD	⅝"	2¾"
2"	FLG-VALVE-FLG	⅜"	5"
2"	FLG-CK-FLG	⅜"	5"

* NOTE: FOR STUDS WITH INSTRUMENT SUPPORTS, ADD ¼" TO LENGTH.

HARDWARE SIZING CHART (PVC PIPE)

CONNECTION SIZE	CONNECTION TYPE	STUD SIZE	*MIN. LENGTH
6"	FLANGE-FLANGE	¾"	5"
6"	FLG-VALVE-FLG	¾"	7"
6"	FLG-METER-FLG	¾"	5"
6"	FLANGE-PAD	¾"	3½"
4"	FLANGE-FLANGE	⅝"	4½"
4"	FLG-VALVE-FLG	⅝"	6½"
3"	FLG-VALVE-FLG	⅝"	5¾"
3"	FLANGE-PAD	⅝"	3¼"
2½"	FLG-VALVE-FLG	⅝"	5¾"
2"	FLANGE-PAD	⅝"	3"
2"	FLG-VALVE-FLG	⅜"	5"

* NOTE: FOR STUDS WITH INSTRUMENT SUPPORTS, ADD ¼" TO LENGTH.

1. PROCESS WATER PIPING IS PVC SCH. 80 WITH SCH. 80 SOCKET WELD FITTINGS & 150 LB. SOCKET WELD FLANGES FOR ALL FACE PIPING.
2. PROCESS AIR PIPING IS SCH. 40 BLACK STEEL WITH 150 LB. THREADED STEEL FLANGES AND 125 LB. THREADED M.I. FITTINGS. SEE NOTE No. 4 FOR PAINT DETAILS.
3. VENT & SAMPLE PIPE IS SCH. 40 STEEL WITH 125 LB. THREADED M.I. FITTINGS.
4. EXTERIOR SURFACE OF PIPE SHALL BE CLEANED BY HAND, WIRE-BRUSHING, OR SOLVENT AND PAINTED WITH (1) PRIME COAT OF TNEMEC HI-BUILD EPOXOLINE II N69F PRIMER (3.0-5.0 MILS DFT). FINISH PAINT BY CONTRACTOR.
5. SHADED PIPING IS BY OTHERS.
6. ALL PIPING TO BE FURNISHED WITH REQ'D:
   BOLTS: ASTM A307 GRADE B PLATED CARBON STEEL.
   STUDS: ASTM A307 GRADE B PLATED CARBON STEEL.
   NUTS: ASTM A563 PLATED STEEL HEAVY DUTY HEX.
   WASHERS: PLATED STEEL FLAT (SAE).
   GASKETS: ⅛" THICK FULL FACE KOROSEAL OR EQUAL (FOR PVC PIPE)
   ⅜" THICK FULL FACE EPDM OR EQUAL (FOR STEEL PIPE)
7. BUTTERFLY VALVES DO NOT REQUIRE GASKETS.
8. INTERCONNECTING PIPE SUPPORTS FURNISHED BY OTHERS.
9. SEE DWG. SK-32XXX-C01 FOR VALVE & EQUIPMENT LISTING.
10. SEE DWG. SK-32XXX-C06 FOR PRESSURE GAUGE TUBING DETAILS.
11. SEE DWG. SK-32XXX-C07 FOR "DPS-01" TUBING DETAILS.
12. SEE DWG. SK-32XXX-A05 FOR PROCESS WATER MK- DETAILS.
13. SEE DWG. SK-32XXX-B02 FOR BLOWER PIPING DETAILS.
14. SEE DWG. SK-32XXX-B03 FOR PROCESS AIR MK- DETAILS.
15. SEE DWG. SK-32XXX-A06 FOR SKID DETAILS.

▼ INDICATES BREAK POINT FOR SHIPPING.

• INDICATES PIPE SUPPORT LOCATION.

SEE NOTE No. 1

SEE NOTE No. 2

SKID SHIPPING WEIGHT: 8,000 LBS.
SKID OPERATING WEIGHT: 50,200 LBS.

NO.	REVISIONS	DATE	CK'D

HUNGERFORD & TERRY, Inc.

MANUFACTURERS OF WATER TREATING EQUIPMENT

CLAYTON, NEW JERSEY

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<H&T CUSTOMER NAME>
<FOR: END USER NAME (IF ANY)>
<LOCATION (CITY, STATE)>
<PROJECT NAME/TITLE>
<CUSTOMER PROJECT NUMBER (IF ANY)>

96" O.D. GREENSANDPLUS FILTER
PIPING LAYOUT

DATE		SCALE	1/2" = 1'-0"
STARTED		FORM NO.	
FINISHED		CONT NO.	M-XXX
CHECKED			
APPROVED			

DRAWING NO.	REV.
32XXX-A04	0