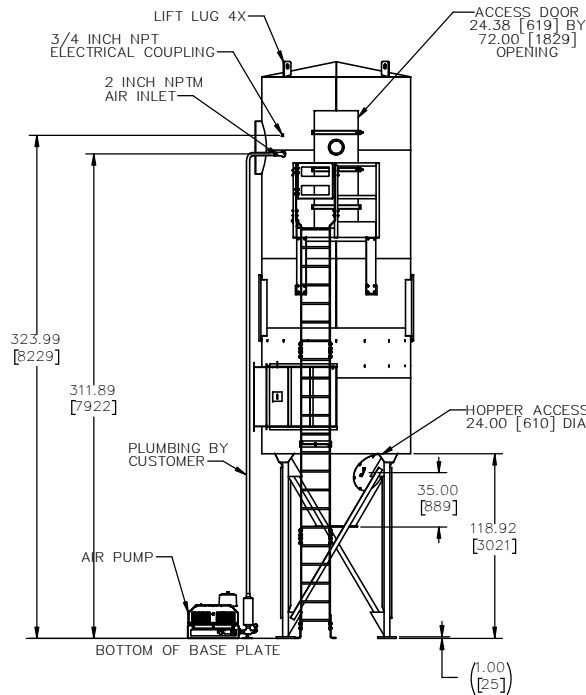
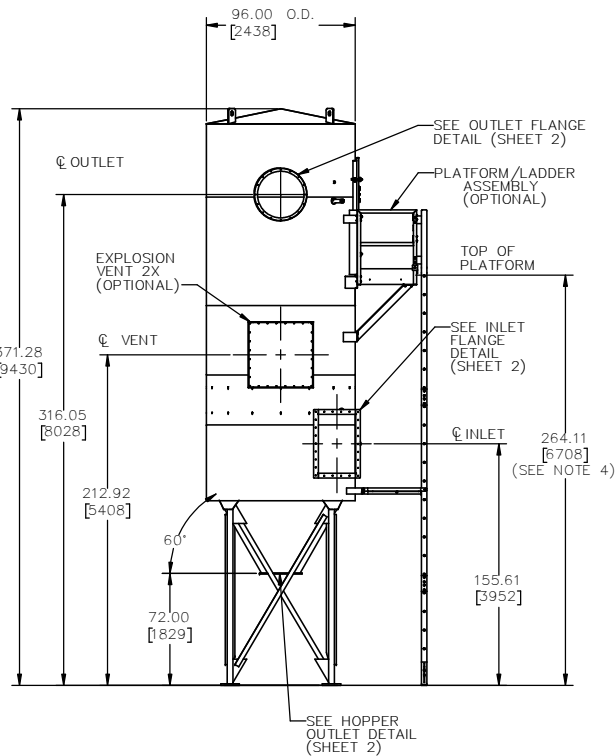
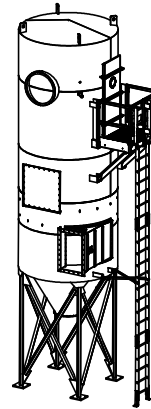
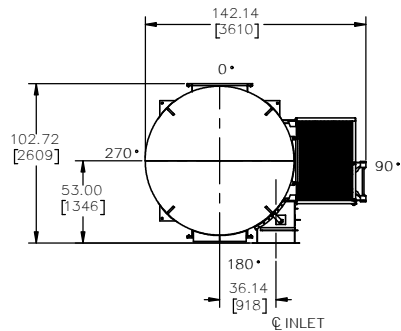


Friday, January 08, 2021 10:04:55 AM
AC8642501_A_SECT.AUT.DRW

THIS DOCUMENT CONTAINS INFORMATION THAT IS CONFIDENTIAL AND/OR PROPRIETARY TO DONALDSON COMPANY, INC. ALL RIGHTS TO DISCLOSE, COPY, REPRODUCE, MANUFACTURE FROM OR DISPOSE OF THIS DOCUMENT OR ITS CONTENTS ARE RESERVED UNLESS SPECIFIED IN WRITING BY DONALDSON.

REVISIONS		
REV	DESCRIPTION	DWN/DATE
1	UPDATED CLEANING BLOWER MOTOR SPECIFICATION	JKF 201904128 1/7/2021



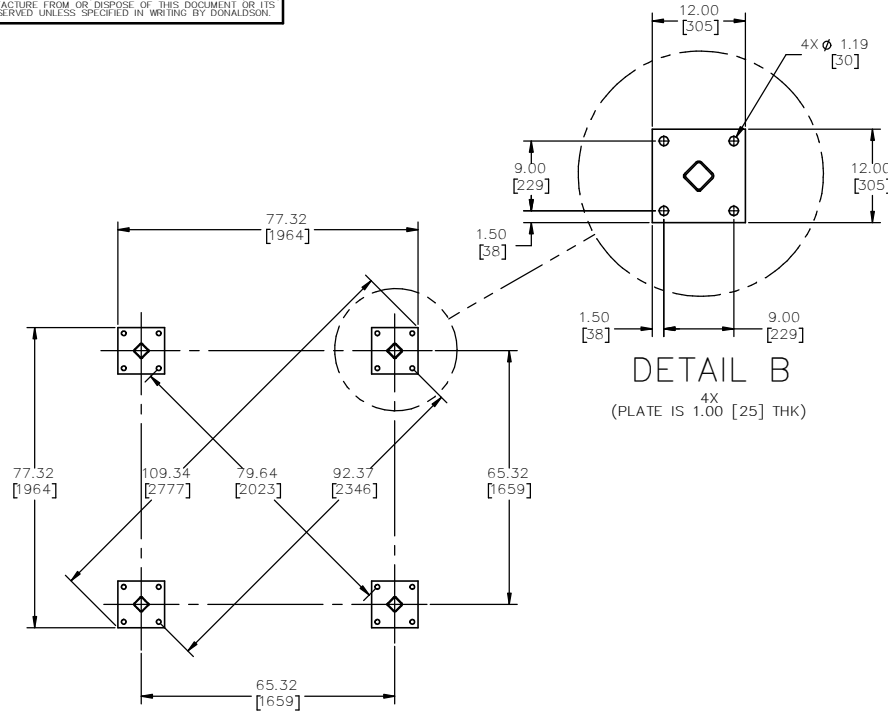
SPECIFICATIONS FOR MODEL 70RP WITH TANGENTIAL INLET	
NO. OF FILTERS	70
ACTUAL FILTER AREA	2583 SQ FEET [240 SQ METERS]
STANDARD FILTER MATERIAL	ULTRA-WEB SB
HOUSING RATING	-20" WG [-508mmwg]
P-RED	0.20 BAR
OPERATING TEMPERATURE	150°F [66°C] MAXIMUM
STANDARD FINISH	TORIT BLUE OR STORM WHITE EXTERIOR PRIMER INTERIOR
APPROXIMATE WEIGHT	8,670 LBS [3933 KG]
CLEANING BLOWER (AIR PUMP)	3 HP [2.24 kW], 48 SCFM [82 m ³ /h] @ 5 PSIG [34.5 kPa] AVG (7.5 PSIG [51.7 kPa MAX])
AIR DRIVE MANIFOLD	1/3 HP 208-230/460V, 3 PH, 60 HZ, TEFC, 56C FRAME MOTOR
SOLENOID VALVE	120 VAC 60 HZ NEMA 4, 7, 9
REMOTE MOUNTED TIMER	120 VAC 50-60 HZ (NEMA 4)
IBC 2018 SPECIFICATIONS	
RISK CATEGORY II	
BASIC WIND SPEED AND EXPOSURE	115 MPH [185 km/hr] (3 SEC GUST) EXPOSURE C
SEISMIC SPECTRAL ACCELERATION	S/S=1.5 & S/I=0.6, SITE CLASS D
GROUND SNOW LOAD	P _g 40 PSF [195 kg/m ²]
ROOF LIVE LOAD	L ₁ 20 PSF [98 kg/m ²]
COLLECTOR BASE AT GRADE	
EXPLOSION VENT (OPTIONAL)	
IEP KER EXPLOSION VENTS	
NOMINAL SIZE	35.5 X 36 [902 X 914]
RELIEF AREA	8.62 FT ² [0.8 m ²]
NOMINAL BURST PRESSURE	1.45 PSI @ 68°F [0.099 BAR]
MISCELLANEOUS INFORMATION	
10 GA CARBON STEEL HOUSING CONSTRUCTION; 10 GA CARBON STEEL ROOF	
1/4 CARBON STEEL TUBE SHEET	
INTERNAL CLEANING MECHANISM	
60 DEGREE HOPPER	
NOTES:	
1. DO NOT INSTALL OR OPERATE THIS EQUIPMENT UNTIL HAVING READ AND UNDERSTOOD THE INSTRUCTIONS AND WARNINGS AND INSTRUCTIONS IN THE INSTALLATION AND OPERATION MANUAL FOR A REPLACEMENT MANUAL CONTACT DONALDSON COMPANY INC. (808) 365-1331.	
2. NFPA 68 2018 EDITION EXPLOSION VENT DUCTING LONGER THAN ONE HYDRAULIC DIAMETER OR WITH BENDS, ELBOWS OR OBSTRUCTIONS ENTAILS SIGNIFICANT DERATING OF THE EXPLOSION VENT. ALL PROPOSALS INCLUDING EXPLOSION VENT DUCTS OTHER THAN SHORT, STRAIGHT OPEN DUCTS SHOULD ALSO BE REFERRED TO DCI ENGINEERING FOR VENT PERFORMANCE CALCULATION AND DERATING OR CUSTOM VENT SOLUTION. ANY EXPLOSION VENT DUCTING TO BE DESIGNED AND SUPPLIED BY OTHERS.	
3. DIMENSIONS ARE IN INCHES AND [MILLIMETERS]	
4. LADDER SAFETY SYSTEM OR PERSONAL FALL ARREST SYSTEM TO BE PROVIDED BY PROCESS OWNER OR BY OTHERS WHERE REQUIRED.	
5. COUNTER CLOCKWISE TANGENTIAL INLET SHOWN.	

THIS DOCUMENT IS NOT CERTIFIED FOR CONSTRUCTION PURPOSES AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

MATERIAL	RELEASE NO. 201904128 DATE 10/28/2020 EXP. DATE DWN J FOLINE DATE 10/30/2020 CHK S GRAHAM DATE 10/30/2020 APVD S GRAHAM DATE 10/30/2020	TITLE 70RP TANGENTIAL INLET NUMBER RP AG8662501 SCALE NONE SHEET 1 OF 3 C/C SW/CADD SECTIONAL SIZE OUTLINE SIZE DESIGN CONTROL A104 DWG LOCATION A101 COPYRIGHT © DONALDSON COMPANY, INC.	REVISION 1 VERSION A	 Donaldson Minneapolis, USA
DO NOT SCALE	TOLERANCES UNLESS OTHERWISE SPECIFIED 2 PL ± 3 PL ± ANGLES ±°	THRU ANGLE PROJECTION		

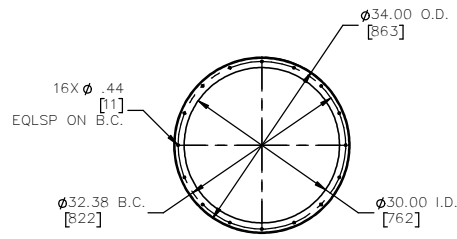
TORIT RP

THIS DOCUMENT CONTAINS INFORMATION THAT IS CONFIDENTIAL AND/OR PROPRIETARY TO DONALDSON COMPANY, INC. ALL RIGHTS TO DISCLOSE, COPY, REPRODUCE, MANUFACTURE FROM OR DISPOSE OF THIS DOCUMENT OR ITS CONTENTS ARE RESERVED UNLESS SPECIFIED IN WRITING BY DONALDSON.

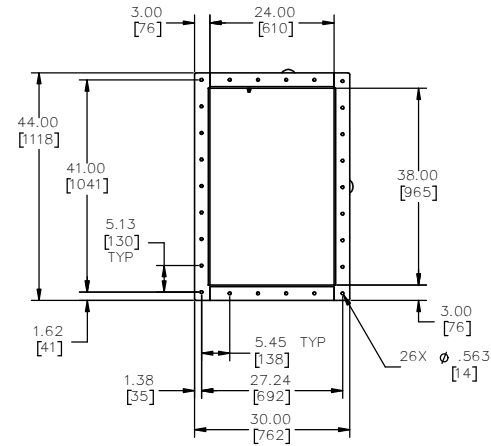


ANCHOR BOLT PLAN

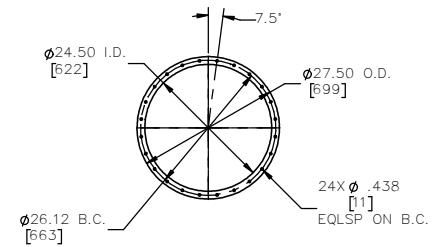
ANCHOR BOLTS BY OTHERS, FINAL SELECTION WILL DEPEND ON JOBSITE LOAD CONDITIONS, FOUNDATION DESIGN, LOCAL CODES, ETC. CONSULT PRODUCT IOM FOR GENERAL INSTALLATION INFORMATION.



OUTLET FLANGE DETAIL




INLET FLANGE DETAIL



HOPPER OUTLET DETAIL

THIS DOCUMENT IS NOT CERTIFIED FOR CONSTRUCTION PURPOSES AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

MATERIAL	RELEASE NO. 20190412R		TITLE 70RP TANGENTIAL INLET		 Donaldson. <small>Donaldson Co., Inc. Minneapolis, USA</small>
	DATE 10/29/2020		NUMBER		
REFERENCE	DWI J FOLINE		RP AG8662501		1 IAF
	DATE 10/30/2020		SCALE NONE		
PREVIOUS DRAWING NO.	CHK S GRAHAM		C/C SW/CADD		1
	DATE 10/30/2020		SECTIONAL SIZE OUTLINE SIZE		
DO NOT SCALE	TOLERANCES UNLESS OTHERWISE SPECIFIED		DESIGN CONTROL A101 DWG LOCATION A101		1
	2 PL ± 3 PL ± ANGLES ±		COPYRIGHT © DONALDSON COMPANY, INC.		
		THIRD ANGLE PROJECTION		VERSION A	

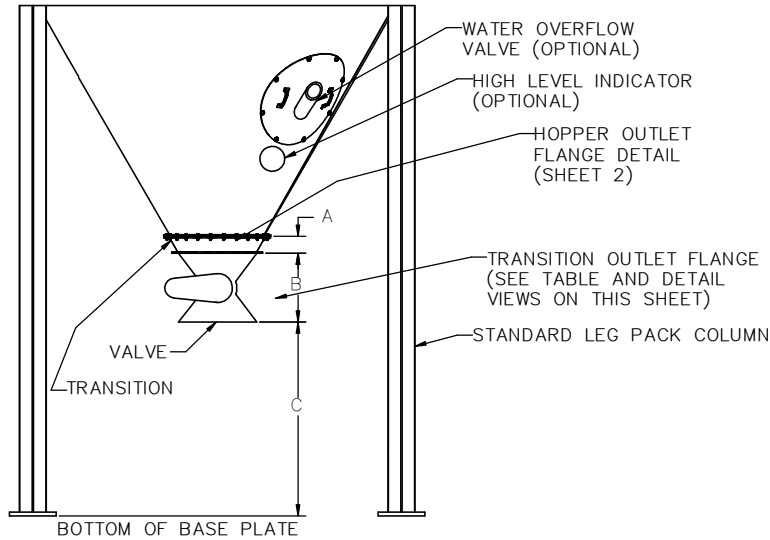
TORIT RP

Friday, January 08, 2021 10:04:55 AM

AG8662501_A_SECT.ADDRW

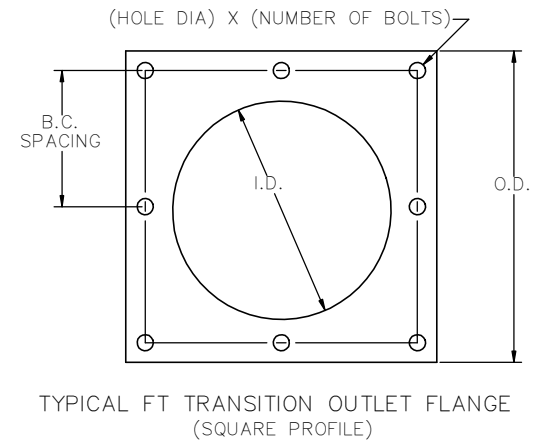
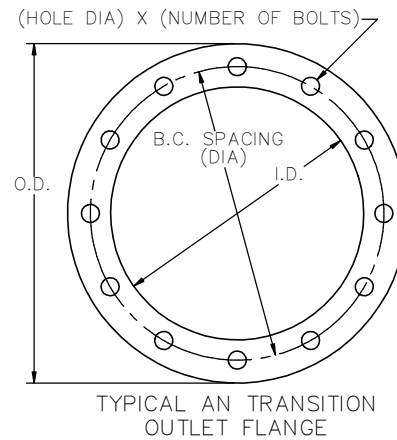
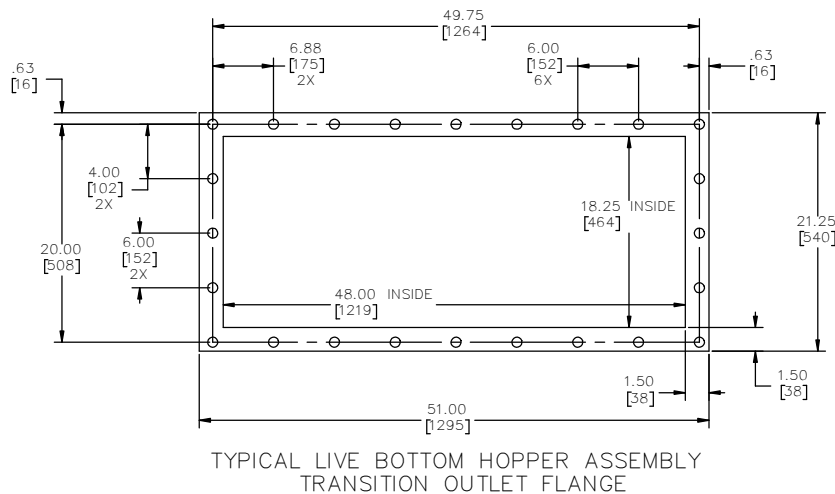
THIS DOCUMENT CONTAINS INFORMATION THAT IS CONFIDENTIAL AND/OR PROPRIETARY TO DONALDSON COMPANY, INC. ALL RIGHTS TO DISCLOSE, COPY, REPRODUCE, MANUFACTURE FROM OR DISPOSE OF THIS DOCUMENT OR ITS CONTENTS ARE RESERVED UNLESS SPECIFIED IN WRITING BY DONALDSON.

AN, FT, AND LIVE BOTTOM HOPPER ASSEMBLY ROTARY VALVE AND TRANSITION DIMENSIONS



VALVE	A	B	C	I.D.	O.D.	NUMBER OF BOLTS	HOLE DIA	B.C. SPACING
8AN	14.88 [378]	19.00 [483]	38.12 [968]	8.00 [203]	11.25 [286]	8	0.438 [11]	10.00 [254]
10AN	13.14 [334]	23.00 [584]	35.86 [911]	10.00 [254]	13.25 [337]	12	0.438 [11]	12.00 [305]
12AN	11.41 [290]	27.00 [686]	33.59 [853]	12.00 [305]	15.25 [387]	12	0.438 [11]	14.00 [356]
16AN	7.73 [196]	35.00 [889]	29.27 [743]	16.25 [413]	19.25 [489]	16	0.438 [11]	18.00 [441]
20AN	4.37 [111]	43.40 [1102]	24.23 [615]	20.38 [518]	23.39 [594]	24	0.438 [11]	22.00 [539]
24AN	N/A	49.50 [1257]	22.50 [572]	24.50 [622]	27.50 [699]	24	0.438 [11]	26.00 [639]
16FT 1,2	N/A 1,2	28.00 [711]	64.29 [1633]	16.00 [406]	22.00 [559]	16	0.563 [14]	5.00 [123]
24FT 1,2	N/A 1,2	42.00 [1067]	50.29 [1277]	24.00 [610]	30.00 [762]	24	0.688 [17]	5.50 [135]
48 LBH W/10" AN 2	26.81 [681] 2	39.10 [993]	26.38 [670]	48.00 X 18.00 [1219 X 457]	51.00 X 21.25 [1295 X 540]	24	0.5 [13]	SEE DETAIL
48 LBH W 12" AN 2	26.81 [681] 2	42.60 [1082]	22.88 [581]	48.00 X 18.00 [1219 X 457]	51.00 X 21.25 [1295 X 540]	24	0.5 [13]	SEE DETAIL
48 LBH W/10" FT 2	26.81 [681] 2	33.13 [842]	32.25 [822]	48.00 X 18.00 [1219 X 457]	51.00 X 21.25 [1295 X 540]	24	0.5 [13]	SEE DETAIL
48 LBH W/12" FT 2	26.81 [681] 2	36.75 [933]	28.73 [730]	48.00 X 18.00 [1219 X 457]	51.00 X 21.25 [1295 X 540]	24	0.5 [13]	SEE DETAIL
48 LBH W/10" MEYER HDX 2	26.81 [681] 2	31.12 [790]	34.36 [873]	48.00 X 18.00 [1219 X 457]	51.00 X 21.25 [1295 X 540]	24	0.5 [13]	SEE DETAIL
48 LBH W/12" MEYER HDX 2	26.81 [681] 2	34.00 [864]	31.48 [800]	48.00 X 18.00 [1219 X 457]	51.00 X 21.25 [1295 X 540]	24	0.5 [13]	SEE DETAIL

1. VALVE DOES NOT REQUIRE ADDITIONAL TRANSITION
2. FT VALVES AND LIVE BOTTOM HOPPER (LBH) ASSEMBLIES REQUIRE TRUNCATED HOPPER SIZE. SEE MODBILL FOR OPTIONS



THIS DOCUMENT IS NOT CERTIFIED FOR CONSTRUCTION PURPOSES AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

MATERIAL	RELEASE NO. 20190412R DATE 10/28/2020 EXP. DATE	TITLE 70RP TANGENTIAL INLET	 Donaldson Minneapolis, MN, USA
REFERENCE	DWN J FOLINE DATE 10/30/2020 CHK S GRAHAM	NUMBER RP AG8662501	
PREVIOUS DRAWING NO.	DATE 10/30/2020 APVD S GRAHAM	SCALE NONE C/C SW/CADD	
DO NOT SCALE TOLERANCES UNLESS OTHERWISE SPECIFIED	DATE 10/30/2020 THRU PRODUCTION	SECTIONAL SIZE OUTLINE SIZE DESIGN CONTROL A(10) DWD LOCATION A(10) COPYRIGHT © DONALDSON COMPANY, INC.	

TORIT RP