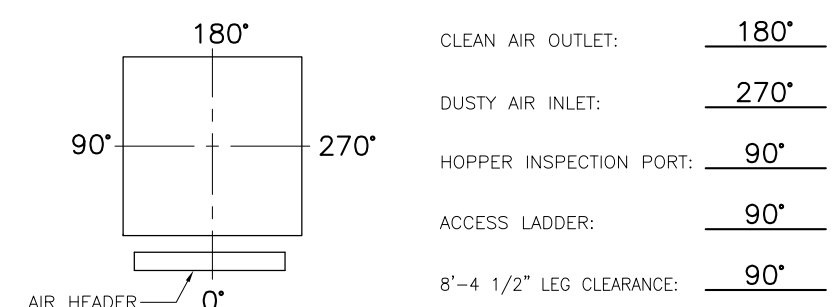
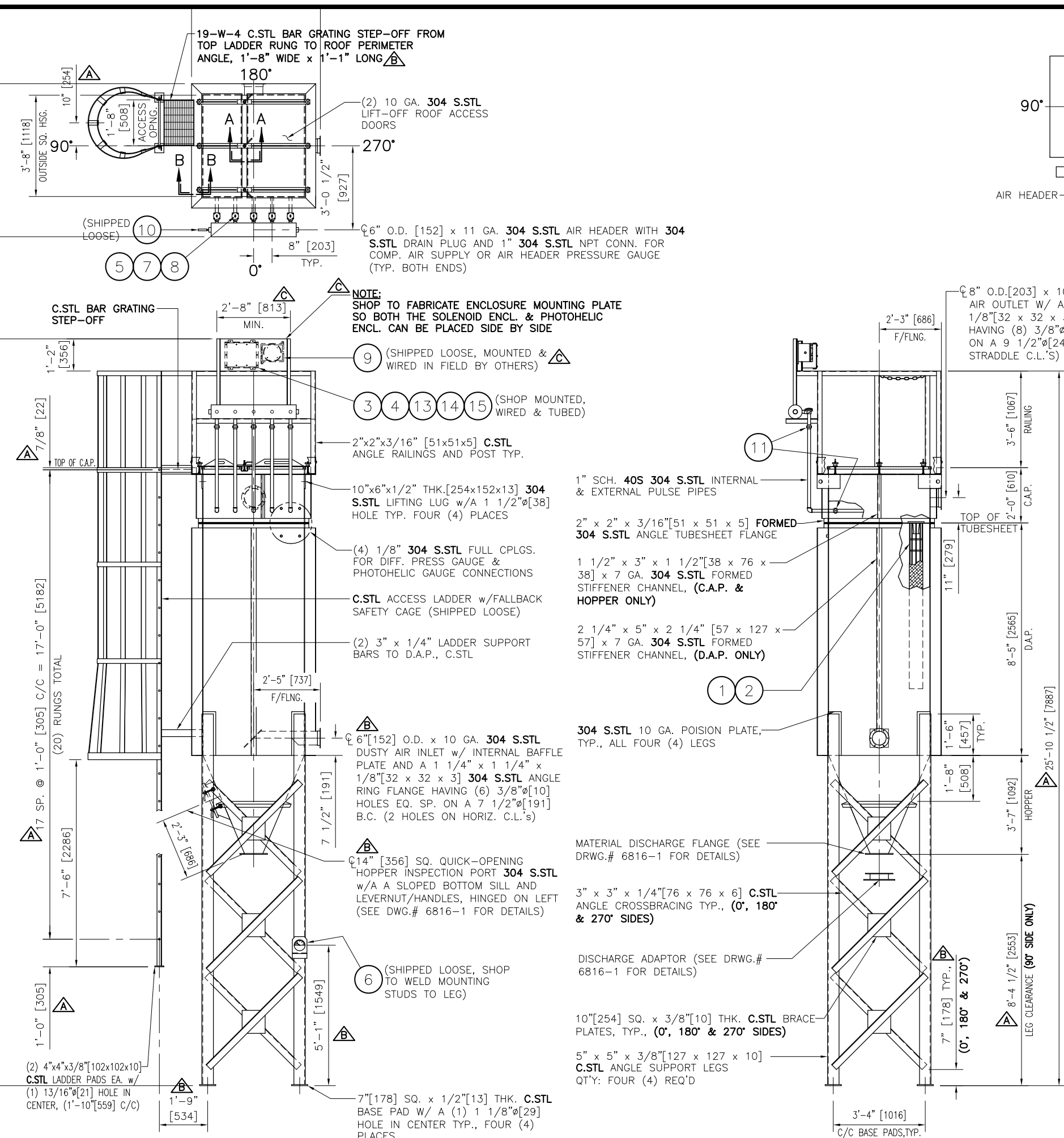
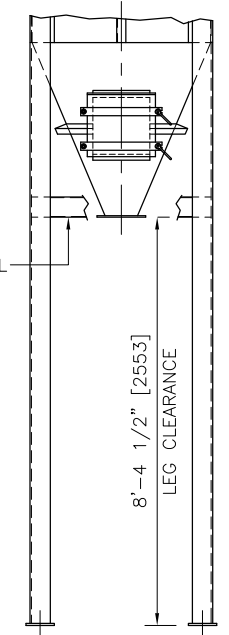




COMPONENT ORIENTATION



LEG BRACING-90° SIDE

UNIT(S) REQ'D: ONE (1)	
MODEL NO.	72-TNFD-025-SHI
SERIAL NO.	6816
TAG. NO.	---
P.O. NO.	4600065555

**CERTIFIED
FOR
CONSTRUCTION**

REV.: C DATE: 9-17-08
C.P.E. FILTERS INC.

C	A.W.	9-17-08	PHOTOHELIC SPEC'S REVISED
B	A.W.	9-5-08	REVISED PER CUSTOMER COMMENTS
A	A.W.	8-21-08	REVISED PER CUSTOMER COMMENTS
REV	BY	DATE	DESCRIPTION

OPERATING DATA

VOLUME: 1,000 SCFM (28.3 SCU/M/MIN.) AIR/CLOTH RATIO: 4.31/1 SCFM SQ.FT. (1.31 SM/MIN.)
VOLUME: 1,095 ACFM (31.0 ACU/M/MIN.) 4.72/1 ACFM/SQ.FT. (1.44 AM/MIN.)
DUST: CARDBOARD DUST CLOTH AREA: 232 FT²
DUST DENSITY: 20 PCF (256.8 G/CU.M.) (21.55 SQ.M.)
DUST LOADING: UNKNOWN
DESIGN TEMP: 275°F (135°C) OPERATING TEMP: 120°F (49°C)

EQUIPMENT DATA

DESIGN PRESS: ±42" W.G. (1,067 MM W.G.) OPER. PRESS: -20" W.G. (500 MM W.G.)
CLEAN AIR PLENUM: 12 GA. 304 S.STL (2B MILL FINISH)
DUSTY AIR PLENUM: 12 GA. 304 S.STL (2B MILL FINISH)
TUBESHEET: 10 GA. 304 S.STL (2B MILL FINISH)
HOPPER: 12 GA. 304 S.STL (2B MILL FINISH)
TUBESHEET FLANGE GASKET MATERIAL: PRESSTITE
DOOR & PORT GASKET MATERIAL: 3/8"x1" WHITE SILICONE SPONGE
DISCHARGE FLANGE GASKET MAT'L: PRESSTITE (SHIPPED LOOSE)

BILL OF MATERIALS

ITEM	QT'Y	PART NO.	DESCRIPTION	MAT'L
1	25	CA-072-TSS-FST	BAG CAGE W/ VENTURI	304 S.STL
2	25	8246-1230-6L	FILTER BAG, SINGED	16 OZ. POLYESTER NEMA 9
3	1	0996-4-12105	SOLENOID ENCLOSURE 12" x 10" x 5"	---
4	5	A0996-2504-24V DC	SOLENOID VALVE (1/8") 24V DC	---
5	5	A0996-2540	DIAPHRAGM VALVE (1")	ALUM
6	1	0996-2001	DIFFERENTIAL PRESS. GA. KIT	---
7	14	0996-1003B	TUBING FITTINGS	BRASS
8	AS REQ'D	0996-3001	TUBING	NYFL NEMA 9
9	1	3015MR-EXPL.	PHOTOHELIC GAUGE/SWITCH IN ENCL., 24V DC	---
10	1	632.34	AIR HEADER PRESSURE GAUGE	---
11	10	0996-PU-1.0 SS	PIPE UNION (1")	S.STL
12	---	---	ITEM #12 DELETED FROM SCOPE OF SUPPLY	---
13	1	MCC-5566T21	12 POINT TERMINAL STRIP	---
14	1 PKG.	MCC-69145K72	BLOCK SPADE ELECTRICAL TERMINAL	---
15	4	MCC-5566T26	TERMINAL BLOCK JUMPER	---

NOTES

1. MATERIAL OF FABRICATION TO BE 304 S.STL, 2B MILL FINISH UNLESS OTHERWISE NOTED.

2. EXTERIOR C.STL SURFACES TO BE SOLVENT WIPED PER SSPC-SP1, POWER TOOL CLEANED PER SSPC-SP3, AND COATED AS FOLLOWS:
LEGS & CROSSBRACING:
PRIMER: SHERWIN-WILLIAMS KEM KROMIK, UNIVERSAL METAL PRIMER (B50WZ) @ 2 MILS D.F.T. COLOR: OFF-WHITE
FINISH: SHERWIN-WILLIAMS MEDIUM OIL ALKYD INDUSTRIAL ENAMEL (B54 SERIES) @ 3 MILS D.F.T. COLOR: GALVANO, SW4027
LADDER & ROOF RAILINGS:
PRIME & PAINT PER ABOVE, COLOR: SAFETY YELLOW.
** DIAPHRAGM VALVES ARE NOT TO BE PAINTED.

3. SOLENOID VALVES ARE MOUNTED IN THE 12" x 10" x 5" NEMA 9 ENCLOSURE AND SHOP-WIRED TO TERMINAL STRIP ALSO MOUNTED IN THE SAME ENCLOSURE. SOLENOIDS ARE SHOP-TUBED TO THEIR RESPECTIVE RESPECTIVE DIAPHRAGM VALVES W/ 1/4" TUBING; (SEE B.O.M. FOR TUBING DESCRIPTION). SOLENOID VALVES AND PHOTOHELIC SWITCH/GAUGE ARE TO BE FIELD WIRED TO A CUSTOMER PLC BY OTHERS. SOLENOIDS ARE RATED FOR 24 VOLT DC SERVICE.

4. PHOTOHELIC SWITCH/GAUGE TO BE MOUNTED ON THE SAME PLATE THAT SUPPORTS THE SOLENOID VALVE ENCLOSURE.

5. ELECTRICAL ENCLOSURES TO BE NEMA 9 RATED FOR CLASS II, DIVISION 1, GROUP G AREA CLASSIFICATION.

6. ENGINEERING ADVISES THAT THE MATERIAL BEING COLLECTED IN THE C.P.E. FILTERS EQUIPMENT ON THIS ORDER IS POTENTIALLY EXPLOSIVE. PLEASE BE ADVISED THAT, WHILE THE EQUIPMENT ITSELF WILL NOT INITIATE AN EXPLOSION WITHIN THE DUST COLLECTION SYSTEM, CUSTOMER MUST TAKE NECESSARY PRECAUTIONS. C.P.E. FILTERS WILL NOT BE LIABLE FOR INJURY OR PROPERTY DAMAGE DUE TO AN EXPLOSION OR FIRE IN ITS EQUIPMENT.

7. 15 SCFM OF COMPRESSED AIR AT 90-100 PSIG IS REQUIRED FOR PULSE CLEANING. IT SHOULD BE CLEAN, DRY AND OIL FREE. A DEW POINT OF -20° F IS SUFFICIENT.

8. DUST COLLECTOR IS DESIGNED TO STORE APPROXIMATELY 18 CU. FT. (0.5 CU. M.) OF A 20 PCF (256.8 G/CU.M.) DENSITY DUST PRODUCT BELOW THE GAS INLET OF THE COLLECTOR (WATER LEVEL HEIGHT)

9. SUPPORT LEGS ARE DESIGNED IN ACCORDANCE WITH AISC CODE FOR SEISMIC ZONE 1 AND 2, WINDLOAD OF 90 MPH AND PYRAMID HOPPER 100 % FULL OF A 20 PCF DENSITY DUST.

10. UNIT TO SHIP IN ONE PIECE WITH STRUCTURAL SUPPORT LEGS SHOP WELDED TO COLLECTOR HOUSING. ACCESS LADDER TO SHIP LOOSE FOR FIELD INSTALLATION BY OTHERS.

11. APPROX. ASSEMBLED WEIGHT OF UNIT: 4,750 LBS. {2,155 kg}

12. ALL DIMENSIONS INSIDE OF BRACKETS [] ARE IN MILLIMETERS.

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SCALE 1/2" = 1'-0" INITIATED BY M.M.S. DRAWN BY A.W.
DATE 7-25-08 APPROVED BY L.S.

TITLE
NUISANCE FILTER 72-TNFD-025-SHI

CUSTOMER TATE & LYLE SINGAPORE PTE, LTD. DWG. NUMBER 6816 REV. C