

TSSAA HEADQUARTERS
HERMITAGE, TN

FABRICATION PACKAGE
HC KRAKEN KFPD0612 - 830197-020 STR A1

MATERIAL LIST (INCLUDED WITH STRUCTURE DELIVERY UNLESS NOTED OTHERWISE)

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
51	30" KRAKEN FILTER		CONTECH	PRECASTER
17	30" DRAINDOWN FILTER		CONTECH	PRECASTER
28	QUARTER TURN ADAPTER COVER		CONTECH	PRECASTER
1	KFPD-6-12 INTERNALS KIT AND HARDWARE	HCKF-6-12	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		CONTECH	CONTRACTOR
3	30"Ø x 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR

GENERAL NOTES

1. DESIGN LOADING - AASHTO HS-20
2. DESIGN SPECIFICATION - ACI 318-14
3. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443
4. CONCRETE MINIMUM STRENGTH - 5,000 PSI AT 28 DAYS
5. EARTH COVER VARIES FROM 0' MIN. - 5' MAX.
6. GROUND WATER ELEVATION AT OUTLET PIPE INVERT
7. MANUFACTURING TOLERANCE = +/- 1/2-INCH
8. SOME HIDDEN LINES MAY BE OMITTED FOR CLARITY.

INSTALLATION NOTES

- A. PRECASTER TO SHIP FRAME AND COVER WITH STRUCTURE
- B. REFER TO CONTECH ASSEMBLY INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- C. PIPE OPENINGS SHALL BE STENCILED "INLET" OR "OUTLET" AS APPROPRIATE.
- D. PRECASTER TO INSTALL ALL CARTRIDGES PRIOR TO SHIPPING UNLESS NOTED OTHERWISE.
- E. APPLYING ALIGNMENT MARKS ON ALL PIECES OF MULTIPLE PIECE ASSEMBLIES IS ENCOURAGED.
- F. IF STRUCTURE IS DELIVERED IN MULTIPLE SECTIONS, EACH PIECE SHALL BE LABELED WITH THE CONTECH PROJECT NUMBER, SEQUENCE NUMBER AND SITE DESIGNATION.
- G. ACCESS STEPS, IF REQUIRED, SHALL BE INSTALLED IN ACCORDANCE WITH ASTM-478 AND AASHTO M-199.
- H. PRECASTER TO INSTALL TRANSFER COVER PLATE ON SEPARATION WALL.

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

MARK	DATE	REVISION DESCRIPTION	BY



ENGINEERED SOLUTIONS

A QUIKRETE® COMPANY

901 Elkridge Landing Road, Suite 350, Linthicum, MD 21090

443-457-1500 410-740-8490 410-740-8492 FAX

THE KRAKEN®

FOR PATENT INFORMATION, GO TO www.CotechES.com/IP

CONTECH
FABRICATION
DRAWING

HC KRAKEN KFPD0612 - 830197-020

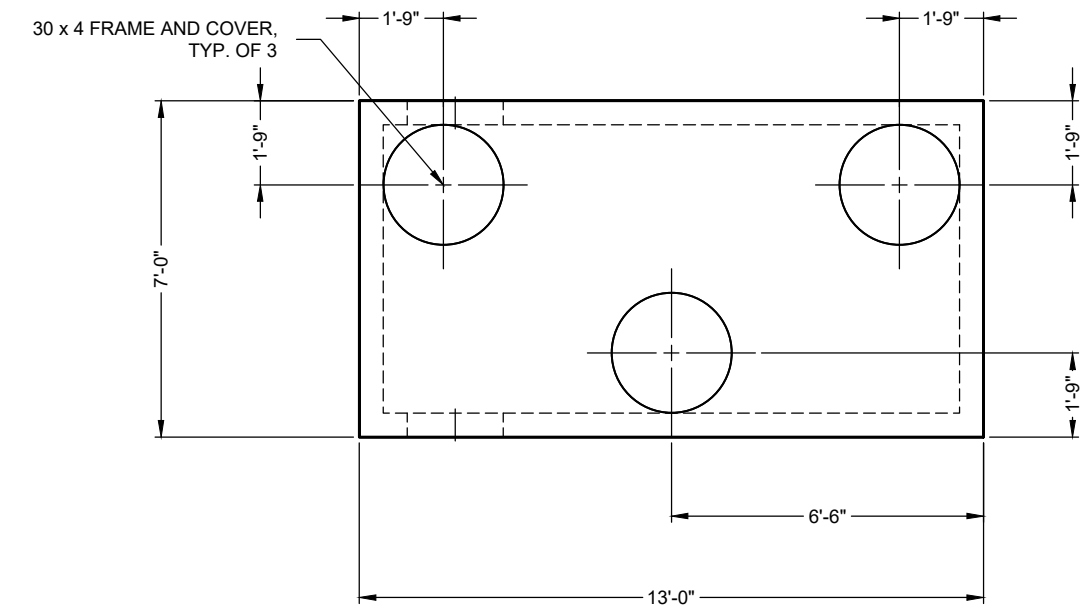
TSSAA HEADQUARTERS

HERMITAGE, TN

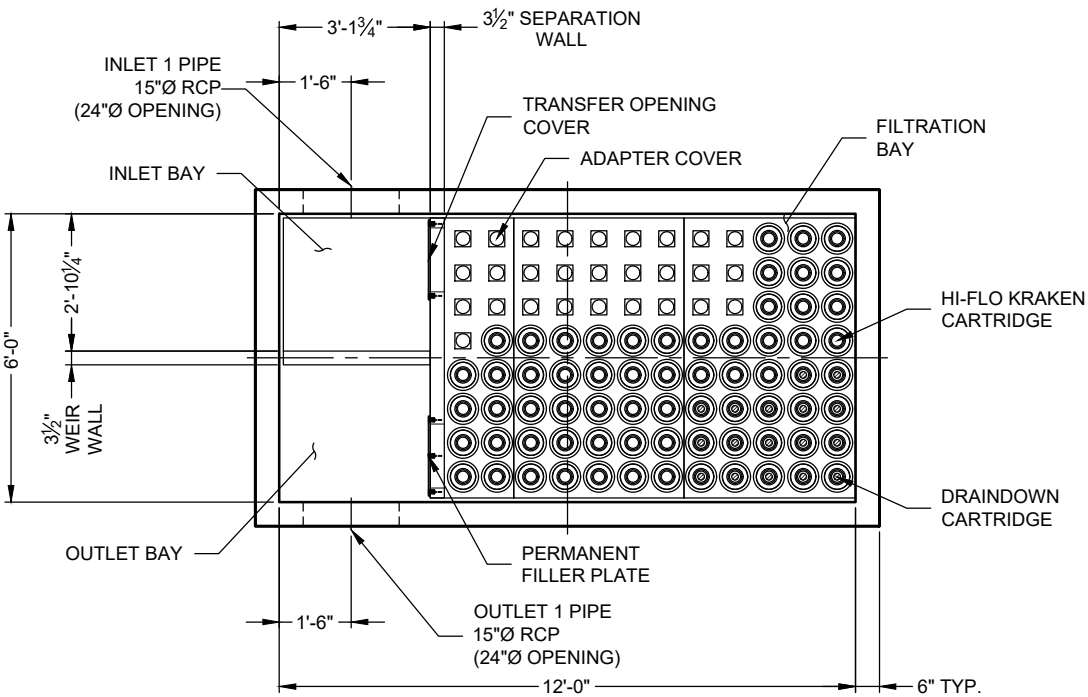
SITE DESIGNATION: STR A1

PROJECT No.: 830197	SEQ. No.: 020	DATE: 4/7/26
DESIGNED: MJS	DRAWN: DWB	
CHECKED: MJS	APPROVED: MJS	
SHEET NO.: 1	OF	2

26-2210 830197 TSSAA Headquarters



PLAN VIEW



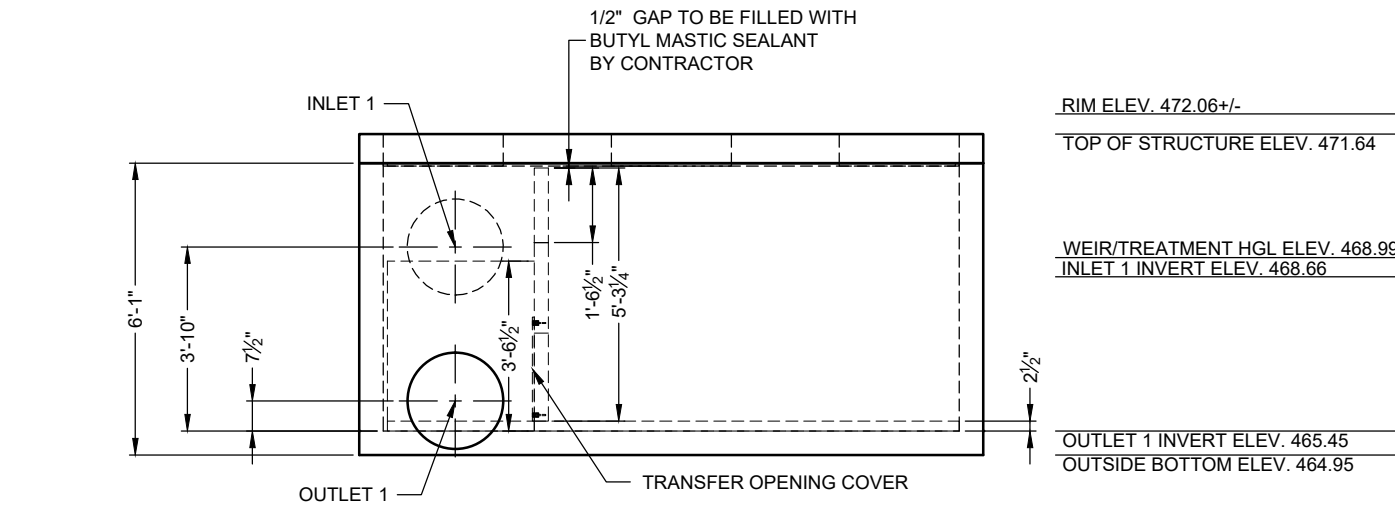
PLAN VIEW
TOP SLAB NOT SHOWN

SITE DESIGN DATA	
WATER QUALITY FLOW (CFS)	2.57
TOTAL CARTRIDGE FLOW RATE (CFS)	2.57
PEAK FLOW RATE (CFS)	10.20
RETURN PERIOD (YRS)	100
SURFACE LOADING	HS-20
GROUNDWATER ELEVATION*	465.45

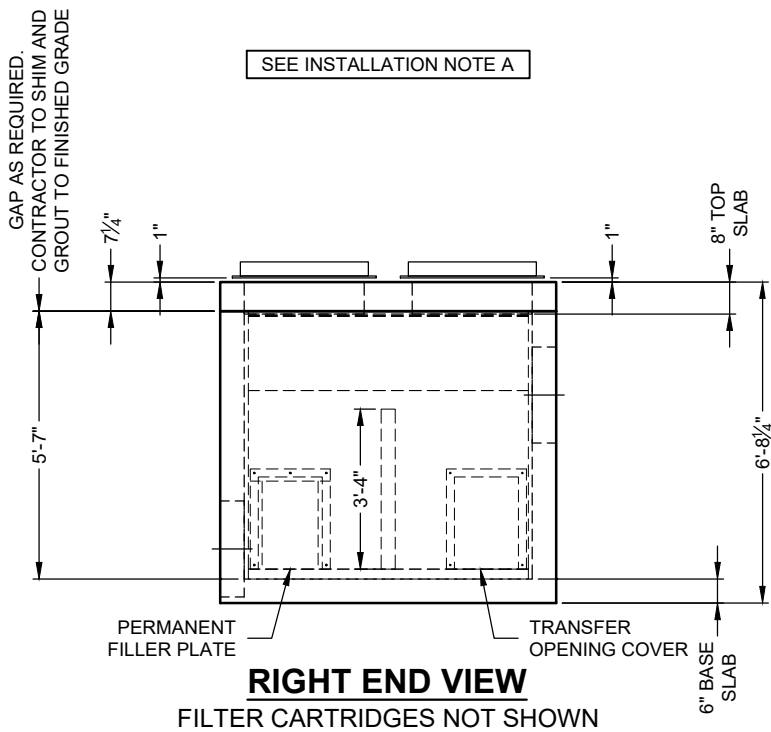
*GROUNDWATER ELEVATION IS ASSUMED. EOR TO PROVIDE IF KNOWN

STRUCTURE DETAILS	
NUMBER OF DELIVERED PIECES (DOES NOT INCLUDE RISERS TO GRADE)	2
MAXIMUM FOOTPRINT	7.00' x 13.00'
DELIVERED HEAVIEST PICK*	23950 LB.
TOP SLAB	7900 LB.
BASE SECTION	23025 LB.
INTERNAL COMPONENTS	350 LB.
CARTRIDGES (68)	600 LB.

*BASE SECTION SHIPPED WITH INTERNAL COMPONENTS AND CARTRIDGES INSTALLED



ELEVATION VIEW
FILTER CARTRIDGES NOT SHOWN



RIGHT END VIEW
FILTER CARTRIDGES NOT SHOWN

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

MARK	DATE	REVISION DESCRIPTION	BY

CONTECH

ENGINEERED SOLUTIONS

A QUIKRETE® COMPANY

901 Elkridge Landing Road, Suite 350, Linthicum, MD 21090

443-457-1500 410-740-8490 410-740-8492 FAX

THE KRAKEN®

FOR PATENT INFORMATION, GO TO www.ContechES.com/IP

CONTECH FABRICATION DRAWING

HC KRAKEN KFPD0612 - 830197-020

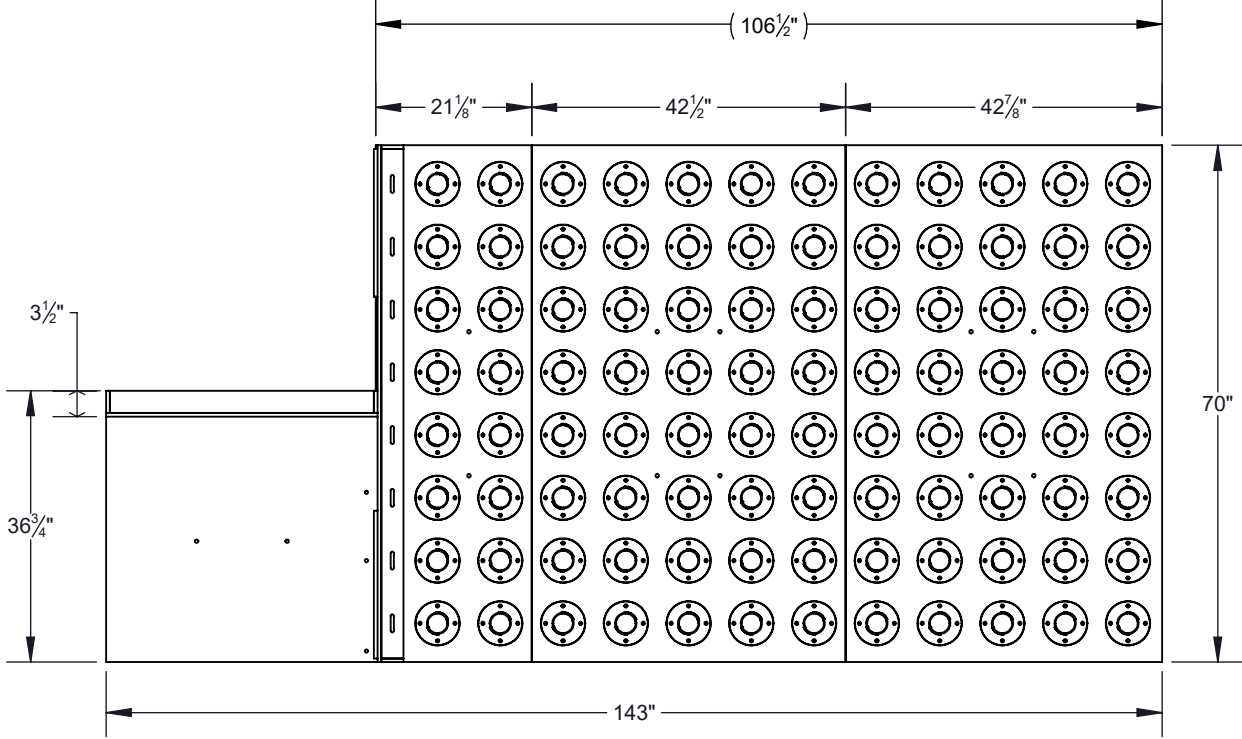
TSSAA HEADQUARTERS

HERMITAGE, TN

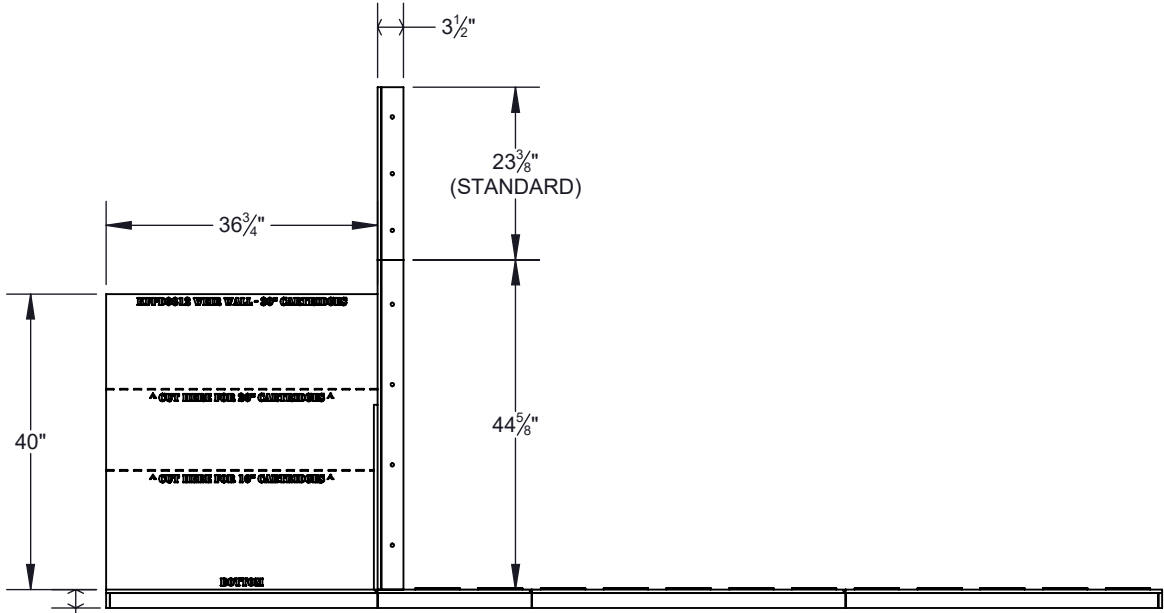
SITE DESIGNATION: STR A1

PROJECT No.: 830197	SEQ. No.: 020	DATE: 4/7/26
DESIGNED: MJS	DRAWN: DWB	
CHECKED: MJS	APPROVED: MJS	
SHEET NO.: 2	OF 2	

26-2210 830197 TSSAA Headquarters

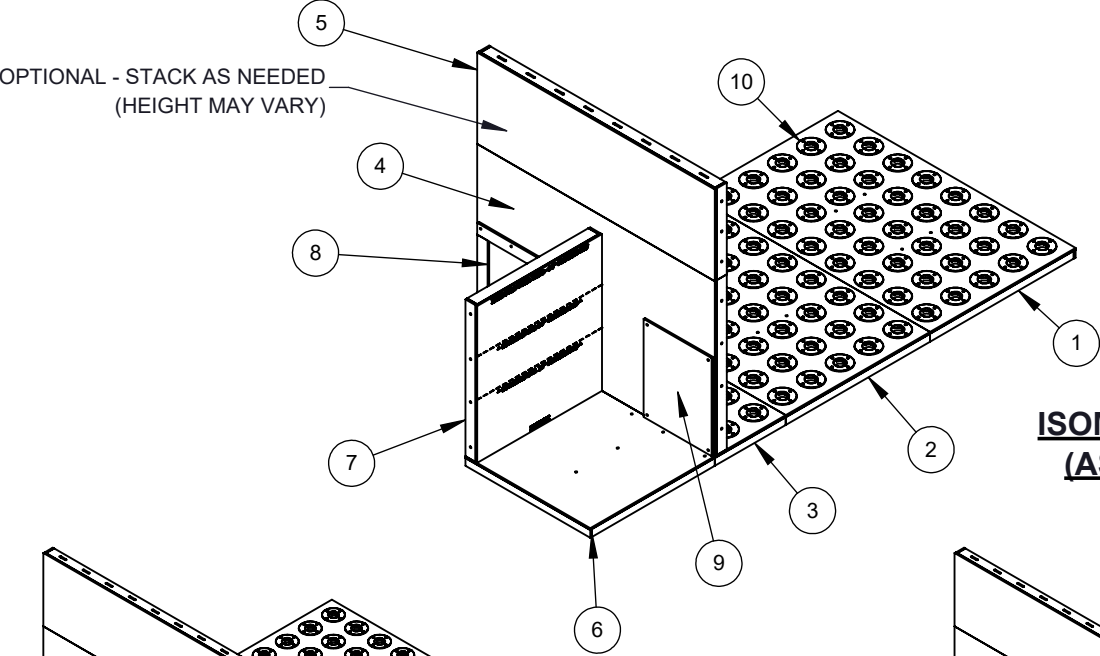


PLAN VIEW

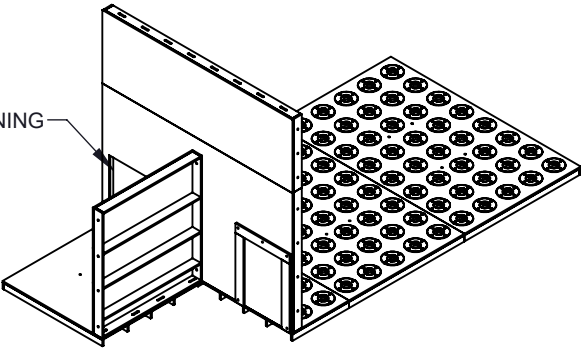


ELEVATION VIEW

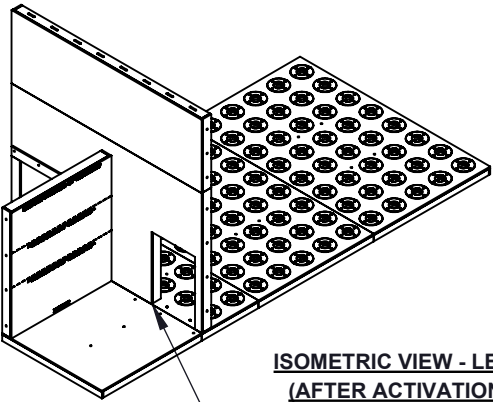
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	325-004394	6FT 5-ROW END FLOOR - 70" X 43.125" X 2.5"	1
2	325-004403	6FT 5-ROW INTERIOR FLOOR - 70" X 42.75" X 2.5"	1
3	325-004606	6FT 2-ROW FLOOR (T-NUTS) - 70" X 21.125" X 2.5"	1
4	325-004573	6FT SEPARATOR WALL BOTTOM SECTION - 70" X 44.625" X 3.5"	1
5	325-004400	6FT SEPARATOR WALL TOP SECTION - 70" X 23.375" X 3.5"	1
6	325-004594	KFPD0612 INLET FLOOR - 36.75" X 36.75" X 2.5"	1
7	325-004579	KFPD0612 WEIR WALL 30" CARTRIDGES - 36.75" X 40" X 3.5"	1
8	325-004576	6FT SEPARATOR WALL FILLER PLATE - 25" X 20" X 4"	1
9	325-004587	TRANSFER COVER - 25" X 20" X 0.5"	1
10	325-004364	QUARTER TURN ADAPTER	96
11	325-004407	HARDWARE KIT	1



ISOMETRIC VIEW
(AS SHIPPED)



ISOMETRIC VIEW - RIGHT
(AFTER ACTIVATION)



ISOMETRIC VIEW - LEFT
(AFTER ACTIVATION)

- NOTES:
1. APPROXIMATE TOTAL WEIGHT: 370 LBS (NOT INCLUDING CARTRIDGES)
 2. SEE INSTALLATION GUIDE FOR ADDITIONAL INFORMATION
 3. SEE PROJECT DETAILS FOR ADDITIONAL INFORMATION REGARDING SEPARATOR WALL TOP SECTION HEIGHTS
 4. TRANSFER COVER REMOVED UPON ACTIVATION. SEE INSTALLATION GUIDE FOR DETAILS

The design and information shown on this drawing is provided as a service to the project owner, engineer and contractor by Contech Engineered Solutions LLC, or one of its affiliated companies ("Contech"). Neither this drawing, nor any part thereof, may be used, reproduced or modified in any manner without the prior written consent of Contech. Failure to comply is done at the user's own risk and Contech expressly disclaims any liability or responsibility for such use.

If discrepancies between the supplied information upon which the drawing is based and actual field conditions are encountered as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech accepts no liability for designs based on missing, incomplete or inaccurate information supplied by others.

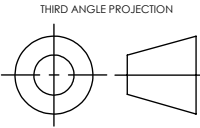
THE KRAKEN®

PAT. www.ContechES.com/IP

CONTECH
ENGINEERED SOLUTIONS LLC
www.ContechES.com

9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

REFERENCE DETAILS
KFPD0612 FULL HEIGHT
30-INCH CARTRIDGES

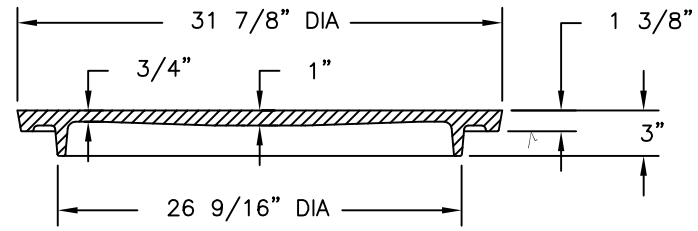
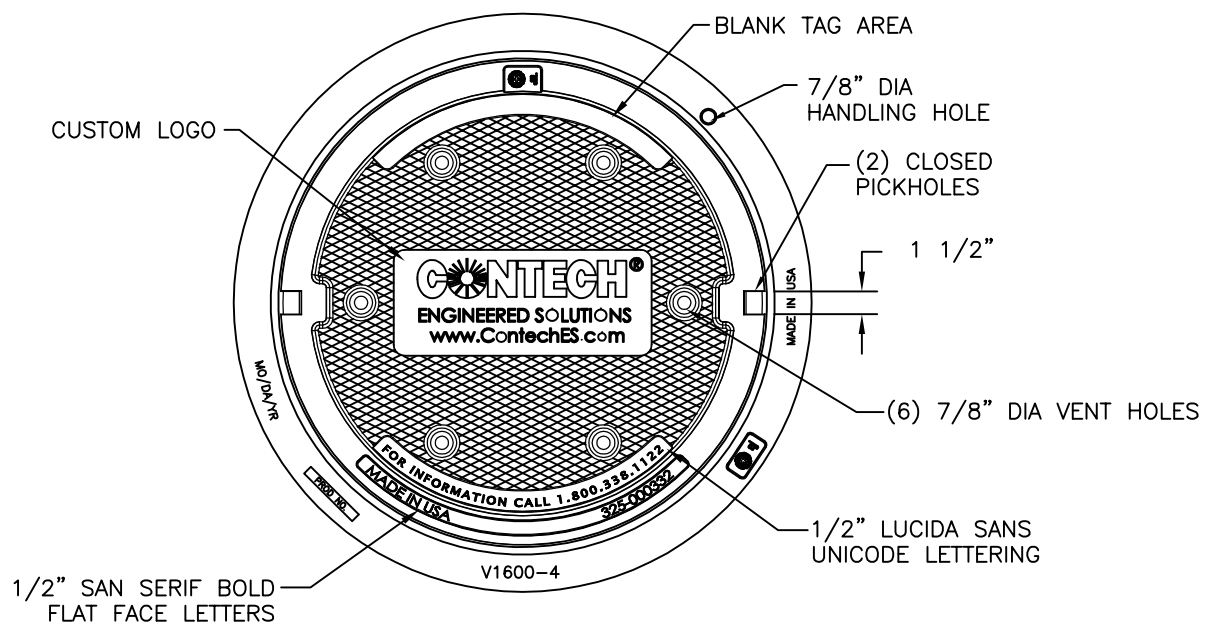


UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

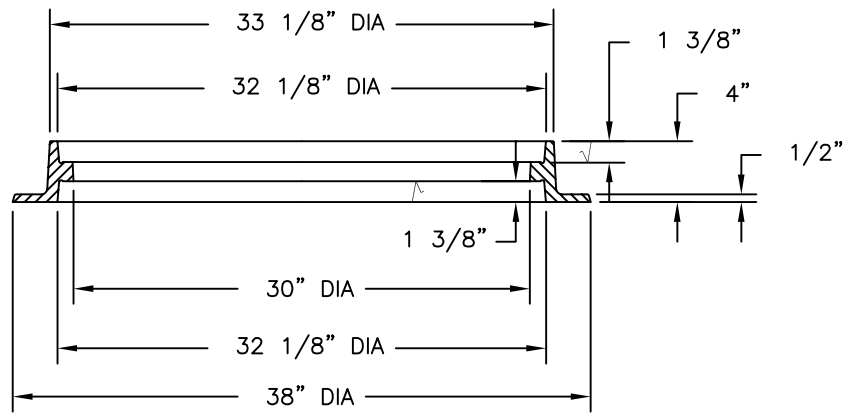
TOLERANCES:
FRACTIONAL ± 1/16
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

DRAWING NUMBER:		
KFPD0612 FULL-30		
APPROVED BY: J. HARLOW	DRAWN BY: J. FORST	
APPROVED BY DATE: 2025.12.10	DRAWN BY DATE: 2025.12.04	REV: A
SCALE: N/A	SHEET 1 OF 1	

26-2210 830197 TSSAA Headquarters
1810B4 V1600-4 Assembly



COVER SECTION



FRAME SECTION

Product Number
41600483

Design Features

- Materials
 - Cover
 - Gray Iron (CL35B)
 - Frame
 - Gray Iron (CL35B)
- Design Load
 - Heavy Duty
- Open Area
 - n/a
- Coating
 - Undipped
- ✓ Designates Machined Surface

Certification

- ASTM A48
- Country of Origin: USA

Major Components

00180783
41600410

Drawing Revision

05/09/2007 Designer: SMH
6/26/2017 Revised By: DAE

Disclaimer

Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

CONFIDENTIAL: This drawing is the property of EJ GROUP, Inc., and embodies confidential information, registered marks, patents, trade secret information, and/or know how that is the property of EJ GROUP, Inc. Copyright © 2012 EJ GROUP, Inc. All rights reserved.

Contact

800 626 4653
ejco.com