

WAWA #7018 SMYRNA
SMYRNA, TN

FABRICATION PACKAGE
HC KRAKEN KFPD0608 - 833109-010
STR. A5

MATERIAL LIST (INCLUDED WITH STRUCTURE DELIVERY UNLESS NOTED OTHERWISE)

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
33	30" KRAKEN FILTER		CONTECH	PRECASTER
12	30" DRAINDOWN FILTER		CONTECH	PRECASTER
11	QUARTER TURN ADAPTER COVER		CONTECH	PRECASTER
1	KFPD-6-8 INTERNALS KIT AND HARDWARE	HCKF-6-8	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		CONTECH	CONTRACTOR
2	30"Ø x 4" FRAME AND COVER, EJ #41600483, OR EQUIV.	325-000332	CONTECH	CONTRACTOR
1	24" x 24" FRAME AND GRATE, EJ #45624050A01, OR EQUIV.	325-000363	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. DESIGN EARTH COVER 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.

USERS:DAVID\DAVID.BLANCKENSHIP\CONEDRIVE - THE QUIKRETE COMPANIES\DYNAMICS\865 - CONTECH - PROJECTS 1033109\PRODUCTS\10-KRAKEN FILTER PEAK DIVERISION VAULT 6-8\DRAWINGS\833109-010-KFPD0608-CONFAB-365.DWG 7/6/2026 3:56 PM

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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®

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CONTECH

FABRICATION

DRAWING

HC KRAKEN KFPD0608 - 833109-010

WAWA #7018 SMYRNA

SMYRNA, TN

SITE DESIGNATION: STR. A5

PROJECT No.:
833109

SEQ. No.:
010

DATE:
7/6/26

DESIGNED:
GKG

DRAWN:
DWB

CHECKED:
GKG/MJS

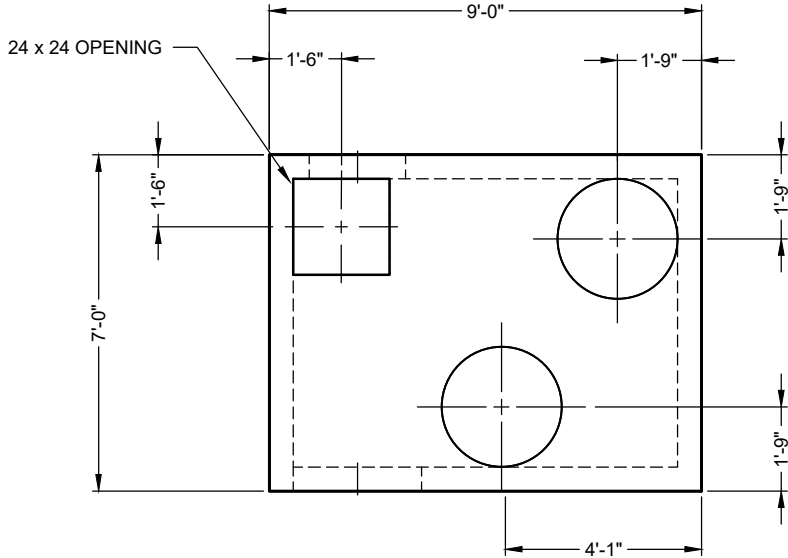
APPROVED:
GKG

SHEET NO.:
1

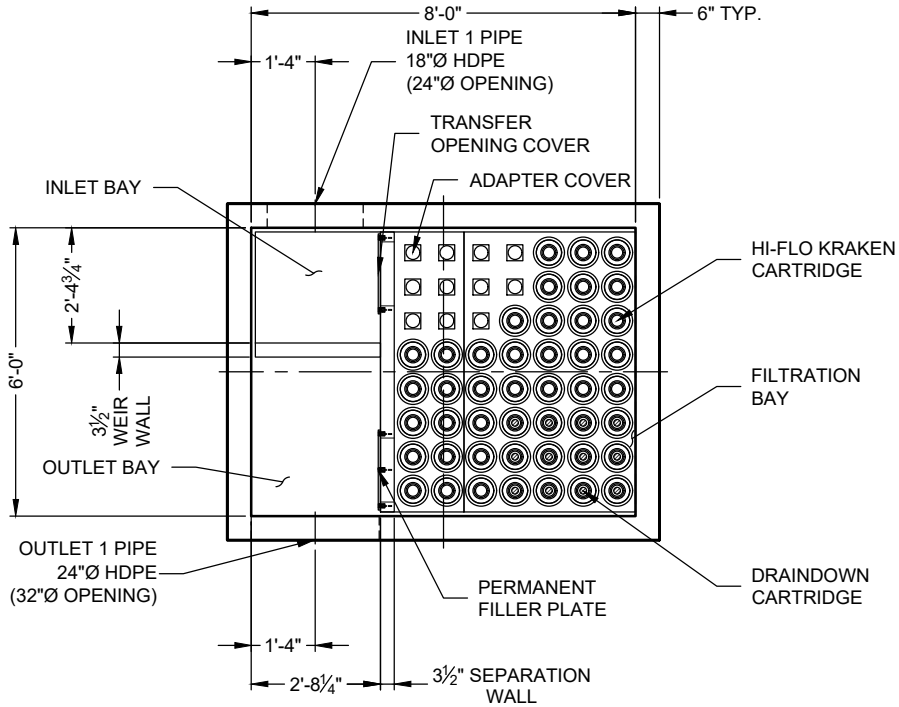
OF
2

26-3104 833109 WaWa No. 7018

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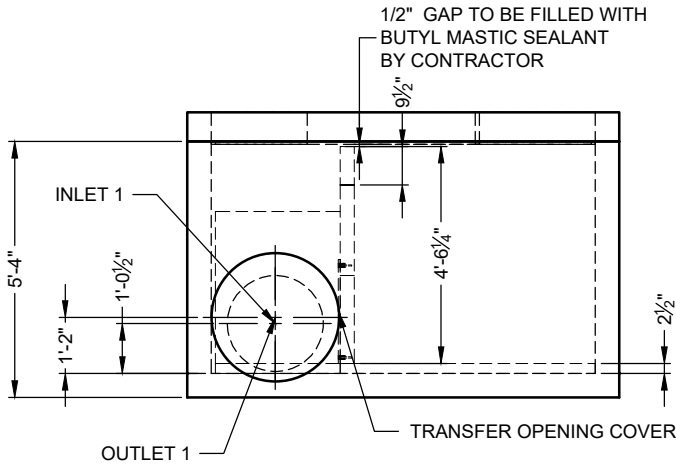


PLAN VIEW



PLAN VIEW
TOP SLAB NOT SHOWN

PRECASTER NOT SUPPLYING GRADE RINGS

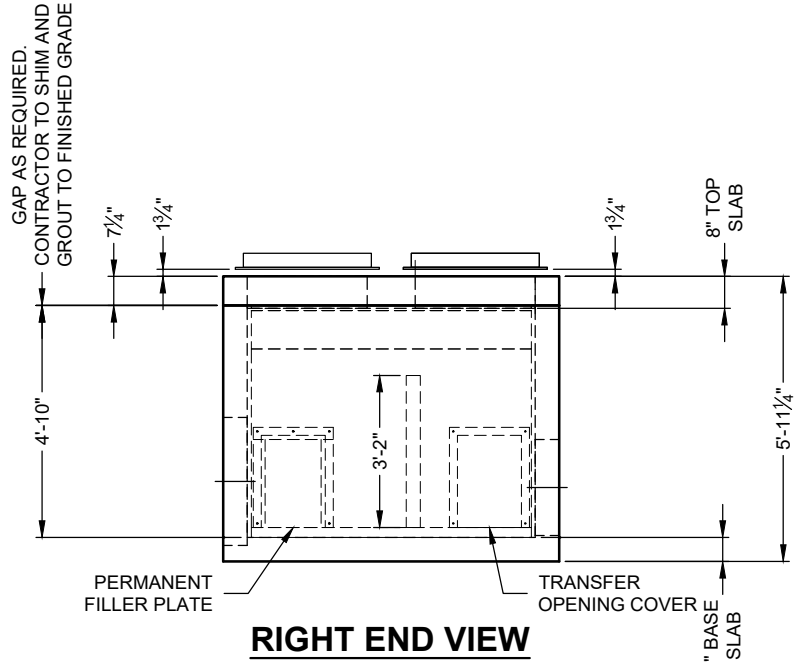


ELEVATION VIEW
FILTER CARTRIDGES NOT SHOWN

RIM ELEV. 603.28+/-
TOP OF STRUCTURE ELEV. 602.80

WEIR/TREATMENT HGL ELEV. 600.74

INLET 1 INVERT ELEV. 597.65
OUTLET 1 INVERT ELEV. 597.57
OUTSIDE BOTTOM ELEV. 596.86



RIGHT END VIEW
FILTER CARTRIDGES NOT SHOWN

SITE DESIGN DATA	
WATER QUALITY FLOW (CFS)	1.68
TOTAL CARTRIDGE FLOW RATE (CFS)	1.70
PEAK FLOW RATE (CFS)	EOR TO CONFIRM
RETURN PERIOD (YRS)	EOR TO CONFIRM
SURFACE LOADING	HS-20
GROUNDWATER ELEVATION*	597.57

*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 9.00'
DELIVERED HEAVIEST PICK*	16100 LB.
TOP SLAB	5100 LB.
BASE SECTION	15450 LB.
INTERNAL COMPONENTS	275 LB.
CARTRIDGES (45)	400

*BASE SECTION SHIPPED WITH INTERNAL COMPONENTS AND CARTRIDGES INSTALLED

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CONTECH FABRICATION DRAWING

HC KRAKEN KFPD0608 - 833109-010

WAWA #7018 SMYRNA

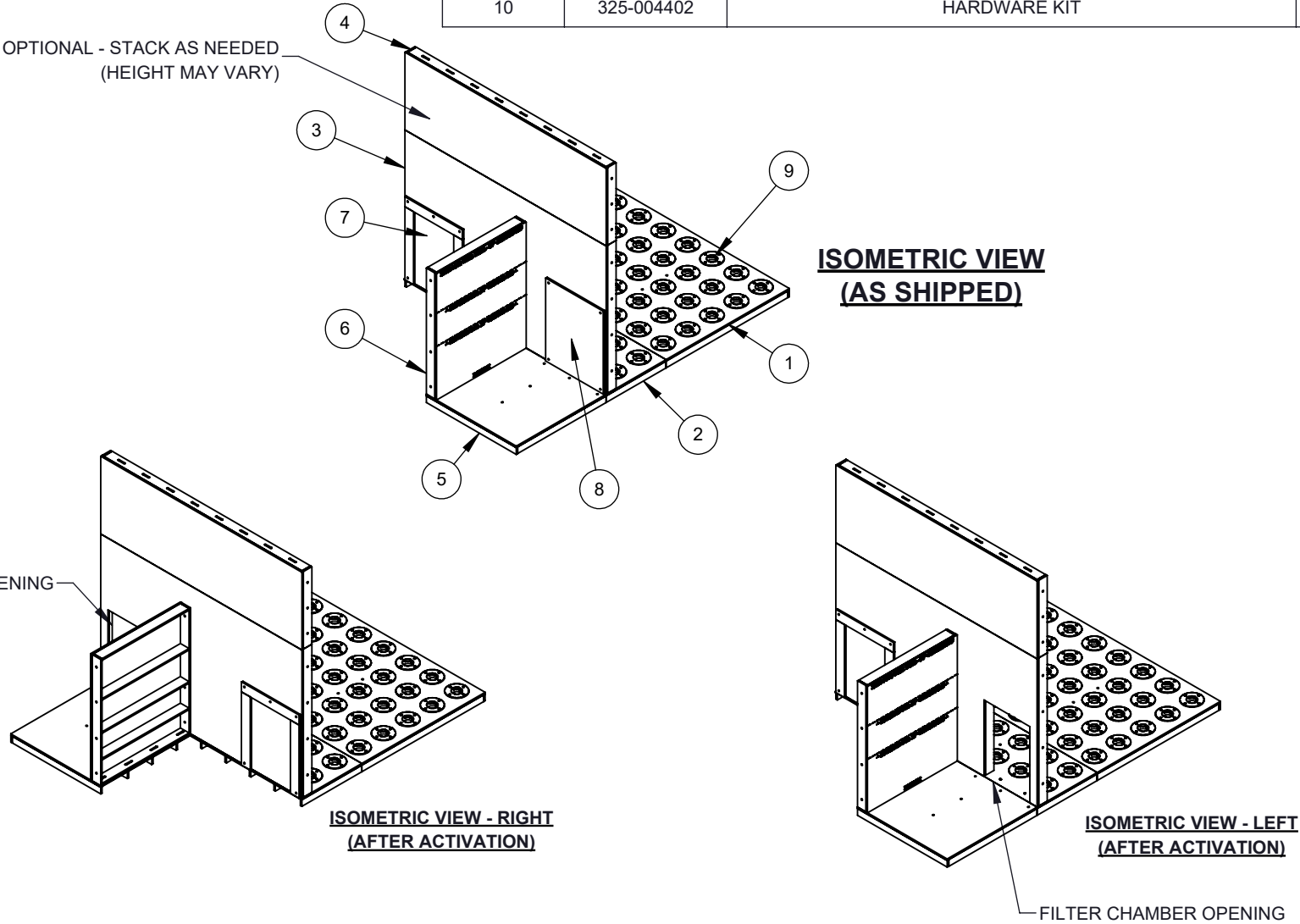
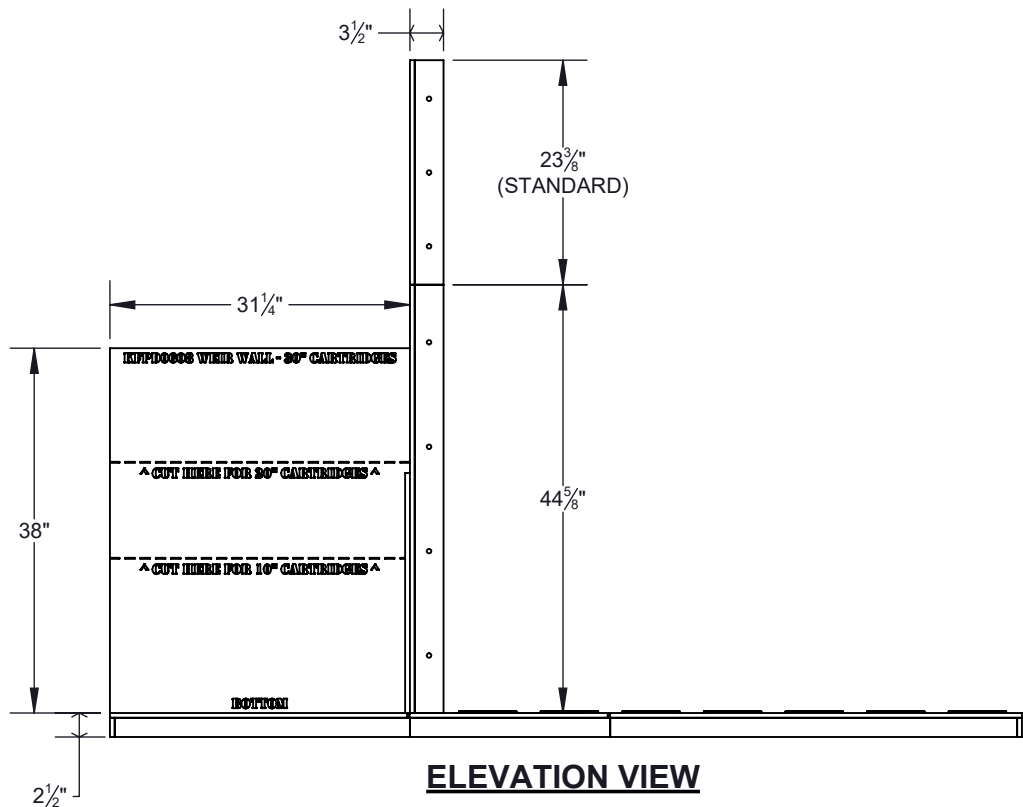
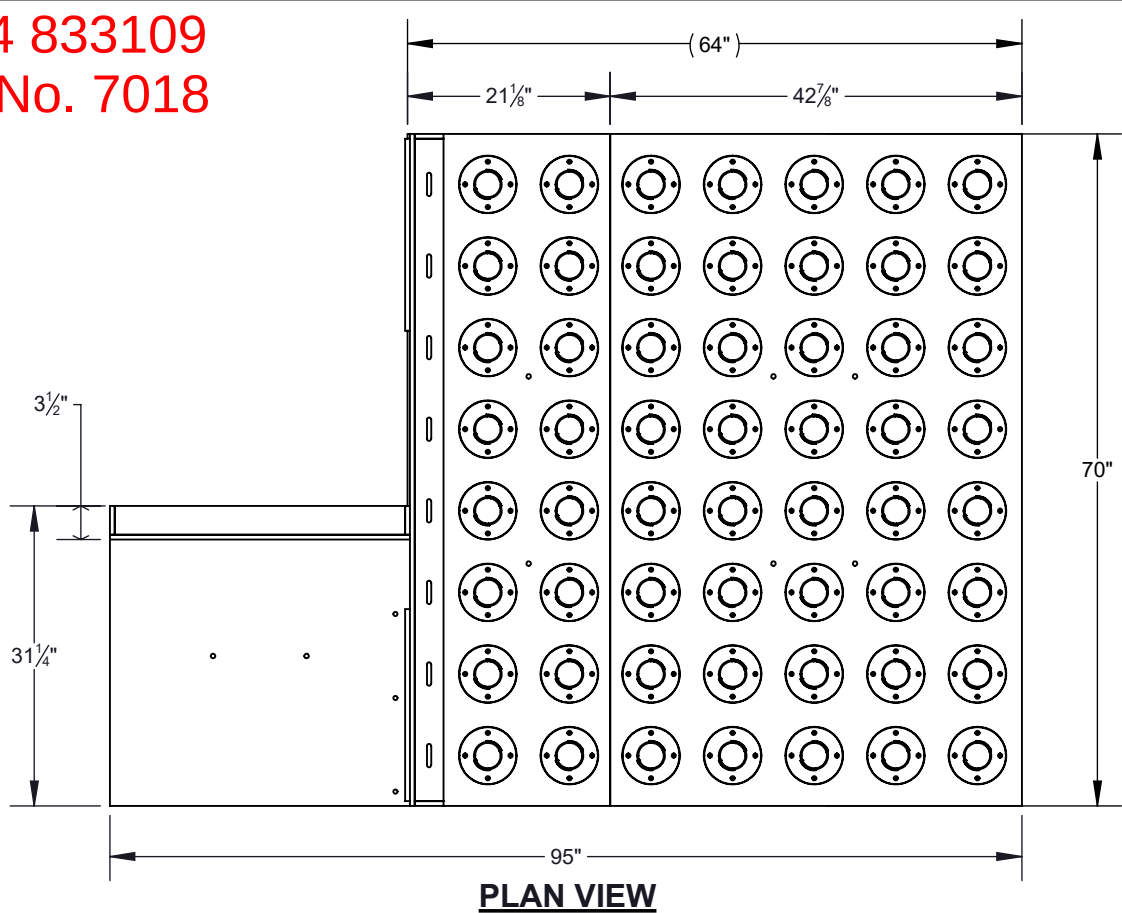
SMYRNA, TN

SITE DESIGNATION: STR. A5

PROJECT No.: 833109	SEQ. No.: 010	DATE: 7/6/26
DESIGNED: GKG	DRAWN: DWB	
CHECKED: GKG/MJS	APPROVED: GKG	
SHEET NO.: 2	OF 2	

ICAST
5888 / 757440
LAYOUT 6 / CLASS 600
KFPD-6-8
9.93 TS
0.00 TR

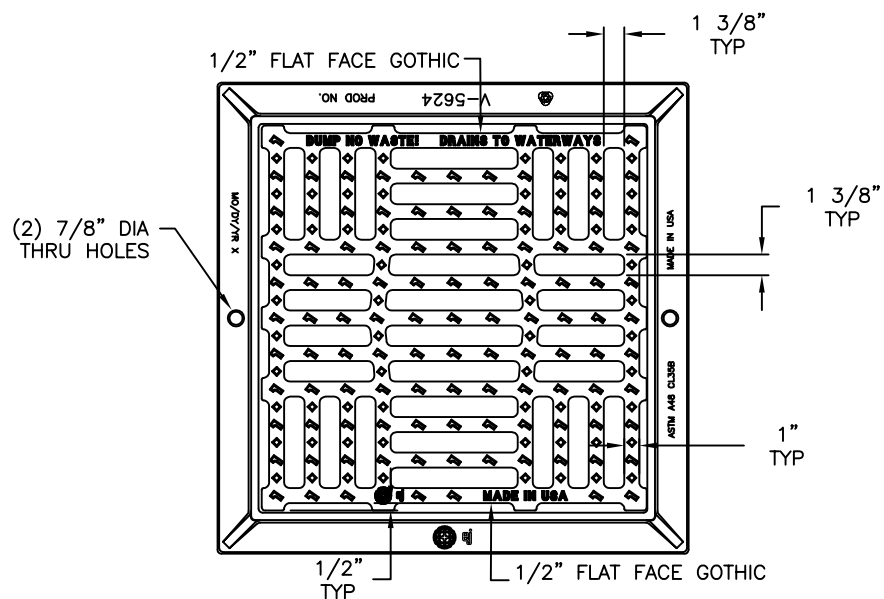
26-3104 833109
WaWa No. 7018



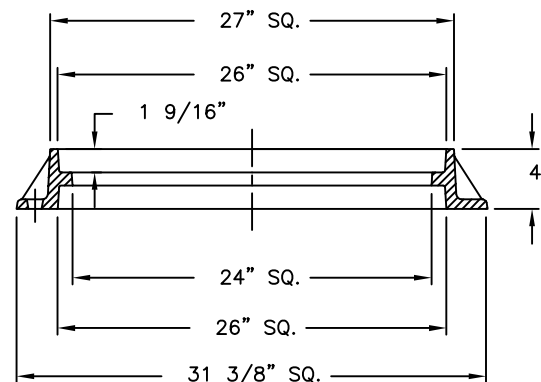
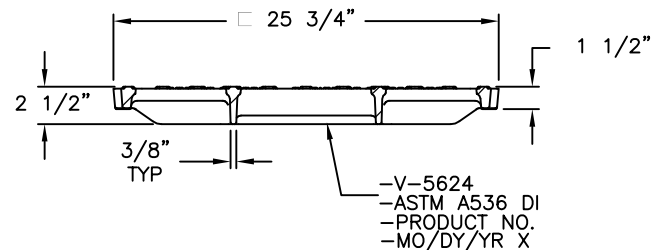
- NOTES:
1. APPROXIMATE TOTAL WEIGHT: 275 LBS (NOT INCLUDING CARTRIDGES)
 2. SEE INSTALLATION GUIDE FOR ADDITIONAL INFORMATION
 3. SEE PROJECT DETAILS FOR ADDITIONAL INFORMATION REGARDING SEPARATOR WALL TOP SECTION HEIGHTS
 4. TRANSFER COVER REMOVED UPON ACTIVATION. SEE INSTALLATION GUIDE FOR DETAILS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	325-004394	6FT 5-ROW END FLOOR - 70" X 43.125" X 2.5"	1
2	325-004606	6FT 2-ROW FLOOR (T-NUTS) - 70" X 21.125" X 2.5"	1
3	325-004573	6FT SEPARATOR WALL BOTTOM SECTION - 70" X 44.625" X 3.5"	1
4	325-004400	6FT SEPARATOR WALL TOP SECTION - 70" X 23.375" X 3.5"	1
5	325-004593	KFPD0608 INLET FLOOR - 31.25" X 31.25" X 2.5"	1
6	325-004578	KFPD0608 WEIR WALL 30" CARTRIDGES - 38" X 31.25" X 3.5"	1
7	325-004576	6FT SEPARATOR WALL FILLER PLATE - 25" X 20" X 4"	1
8	325-004587	TRANSFER COVER - 25" X 20" X 0.5"	1
9	325-004364	QUARTER TURN ADAPTER	56
10	325-004402	HARDWARE KIT	1

V5624 Assembly



PLAN VIEW



SECTION VIEW

Product Number

45624050A01

Design Features

- Materials
 - Frame
 - Gray Iron (CL35B)
 - Grate
 - Ductile Iron (70-50-05)

88 lbs

- Design Load
 - Heavy Duty
- Open Area
 - 318 SQ.IN.
- Coating
 - Undipped
- √ Designates Machined Surface

Certification

-
- ASTM A536
- ASTM A48
- Country of Origin: USA

Major Components

45624010

45624050

Drawing Revision

09/01/2017 Designer: MAH

9/5/2017 Revised By: MAH

Disclaimer

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

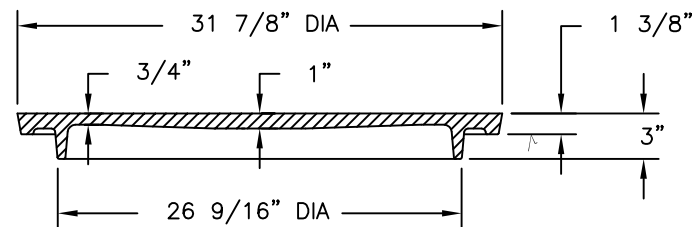
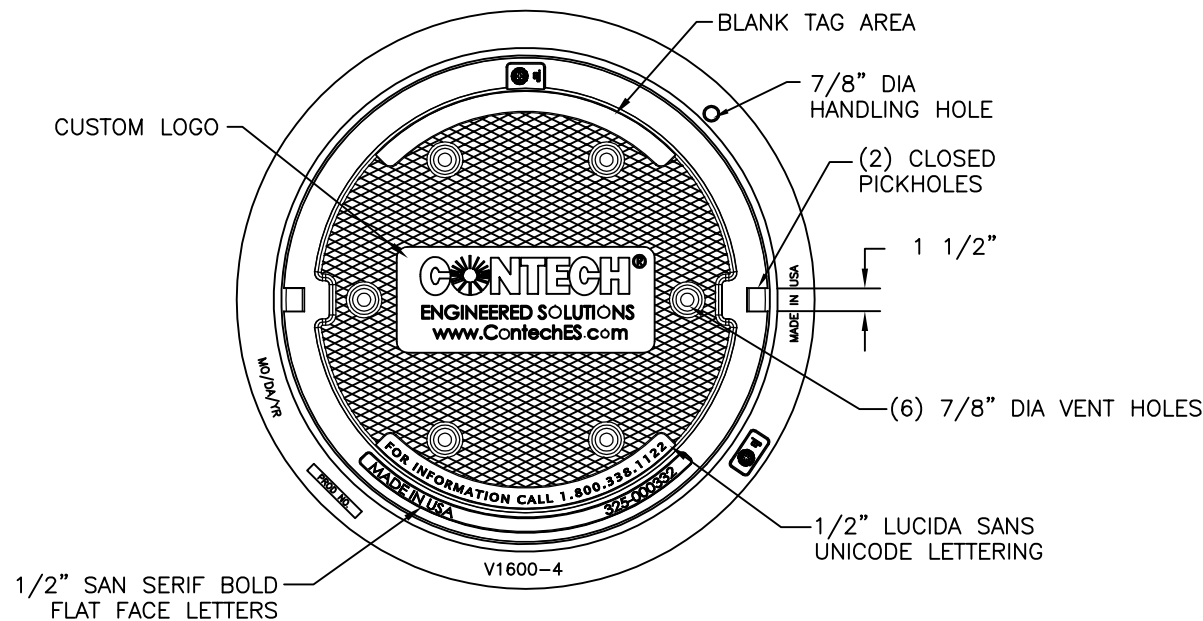
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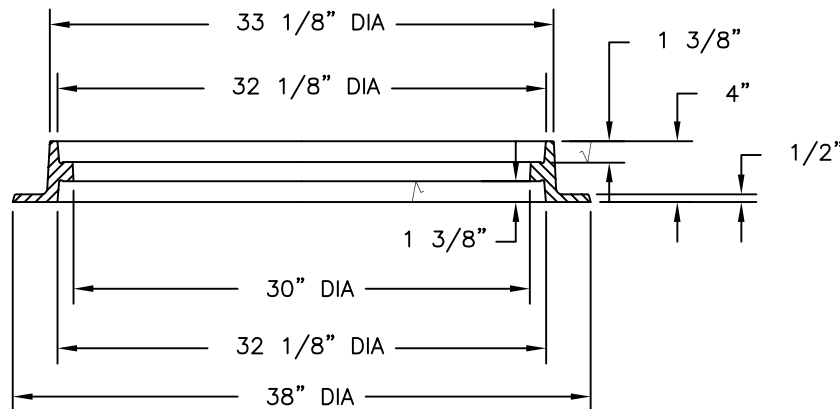
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1810B4 V1600-4 Assembly



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

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Contact

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HIGH CAPACITY (HC) KRAKEN POST-INSTALLTION CHECKLIST

 Project Name/Number /

Post-Installation Check Point(s)		Comments
False Floor sections securely anchored-in with 3/8" wedge anchors (all floor 15/32" pre-drilled holes are filled)	☐	
Separator Wall (bottom section) securely bolted into the false floor with long hex head bolts	☐	
Separator Wall (Transfer Window) is aligned with the inlet bay floor section	☐	
Floor bolts installed and sealed (w/sika) within the Transfer Bay Opening	☐	
If required, Separator Wall (top section) securely anchored to bottom wall section	☐	
Separator Wall trimmed down to required height, approximately 1-2" below structure height	☐	
If Wall Stiffener was removed during trimming, secure new stiffener section atop the separator wall to accommodate butyl mastic	☐	
Separator Walls securely anchored to structure walls with 3/8" wedge anchors	☐	
Weir Wall securely bolted to inlet bay floor and separator wall	☐	
Weir Wall Stiffeners are facing the outlet bay	☐	
Weir Wall securely anchored to structure wall with 3/8" wedge anchors	☐	
Backer Road & Sika installed in gaps between structure and separator/weir walls	☐	
Floor Clips installed in false floor, as needed	☐	
Grout or Sika applied along gaps about the perimeter of the false floor	☐	
Transfer Cover installed with four (4) hex head bolts	☐	
Transfer Cover & Opening scuffed, sika primed, and sika applied about the perimeter	☐	
Plug Covers (PVC disks) installed over all unutilized cartridge couplers	☐	
Kraken Cartridges installed and locked-in. Correct filter height and count as per Fabrication Drawing	☐	
Kraken Cartridge Handles all facing in same (perpendicular) direction	☐	
Drain Down Cartridges properly labeled, correct count and floor location	☐	
Inlet & Outlet Openings stenciled correctly	☐	
Transfer Cover correct stencil applied (Online/Offline)	☐	
HC Kraken & Contech exterior stenciling applied as per Contech stenciling standards	☐	

Signature

Date