

26-3370 813399 Misty Cape Cove

MISTY CAPE COVE
NASHVILLE, TN

FABRICATION PACKAGE
HC KRAKEN KFPD0606 - 813399-010 WQU #1

MATERIAL LIST (INCLUDED WITH STRUCTURE DELIVERY UNLESS NOTED OTHERWISE)

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
26	10" KRAKEN FILTER		CONTECH	PRECASTER
9	10" DRAINDOWN FILTER		CONTECH	PRECASTER
5	QUARTER TURN ADAPTER COVER		CONTECH	PRECASTER
1	KFPD-6-6 INTERNALS KIT AND HARDWARE	HCKF-6-6	CONTECH	PRECASTER
1	SEALANT FOR JOINTS		CONTECH	CONTRACTOR
1	24"Ø x 4" FRAME AND COVER, EJ #41600389, OR EQUIV., CAST-IN TO TOP SLAB	325-000350	CONTECH	PRECASTER
1	30" x 48" DI HATCH, EJ #00823361A01, OR EQUIV. CAST-IN TO COLLAR	325-004565	CONTECH	PRECASTER

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. - 2' 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 CAST ACCESS HATCH AND ROUND FRAMES INTO TOP SLAB AND SHIP COVERS 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.

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MARK	DATE	REVISION DESCRIPTION	BY

CONTECH

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A QUIKRETE® COMPANY

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CONTECH
FABRICATION
DRAWING

HC KRAKEN KFPD0606 - 813399-010

MISTY CAPE COVE

NASHVILLE, TN

SITE DESIGNATION: WQU #1

PROJECT No.: 813399	SEQ. No.: 010	DATE: 7/13/26
DESIGNED: GG	DRAWN: DWB	
CHECKED: MJS	APPROVED: GG	
SHEET NO.: 1	OF 2	



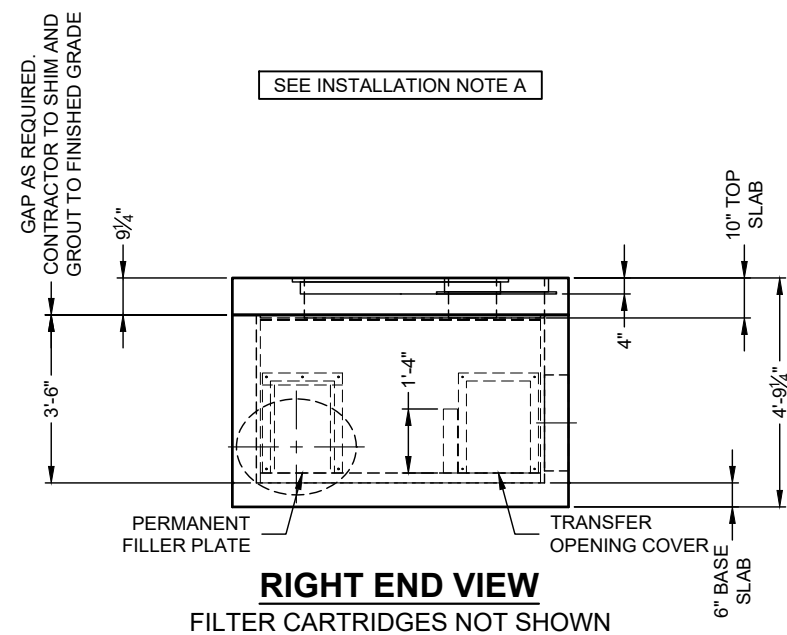
ICAST to fully pre-assemble internal materials prior to shipment



OUTSIDE BOTTOM ELEV. 554.20



SEE INSTALLATION NOTE A



*GROUNDWATER ELEVATION IS ASSUMED. EOR TO PROVIDE IF KNOWN

*BASE SECTION SHIPPED WITH
INTERNAL COMPONENTS AND
CARTRIDGES INSTALLED

ICAST
5888 / 757440
LAYOUT 6 / CLASS 1
KFPD-6-6
7.26 TS
0.00 TR

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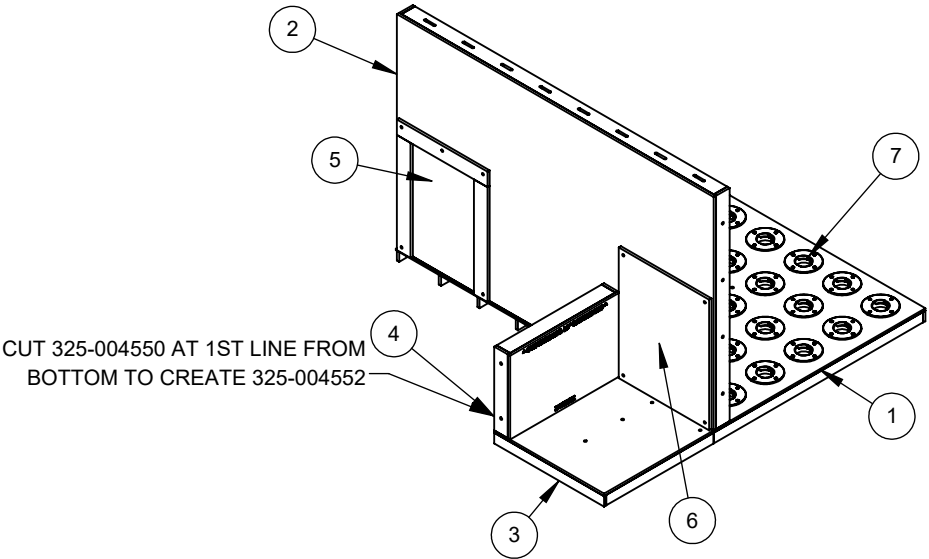
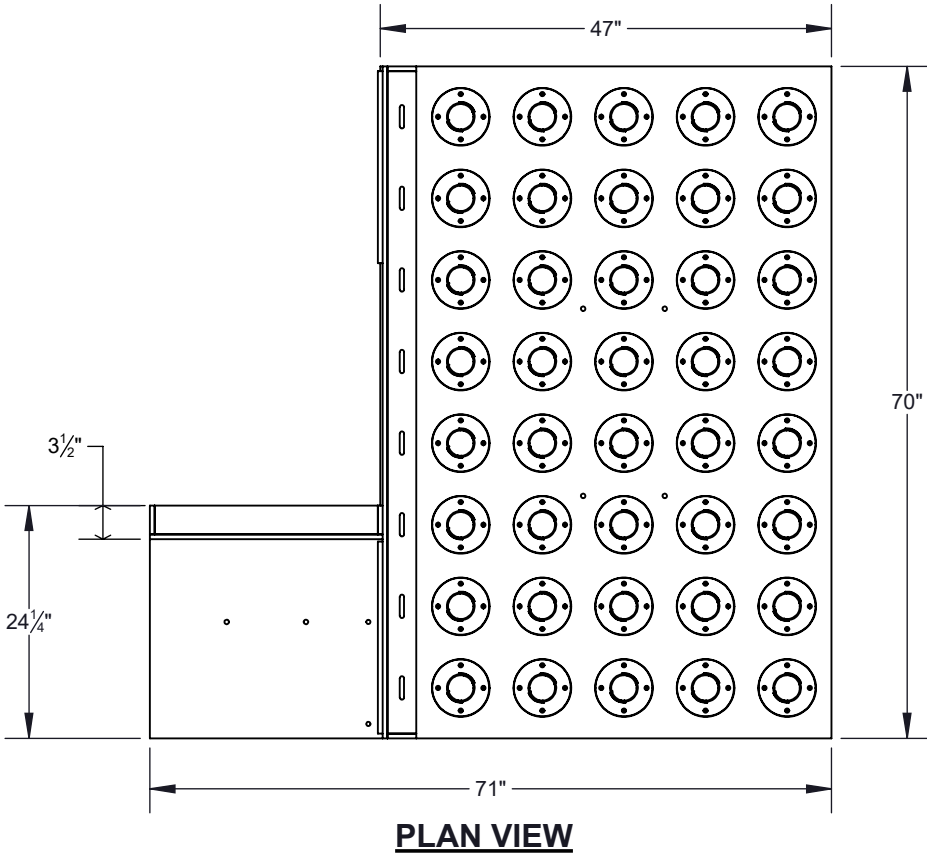
**CONTECH
FABRICATION
DRAWING**

HC KRAKEN KFPD0606 - 813399-010
MISTY CAPE COVE
NASHVILLE, TN
SITE DESIGNATION: WQU #1

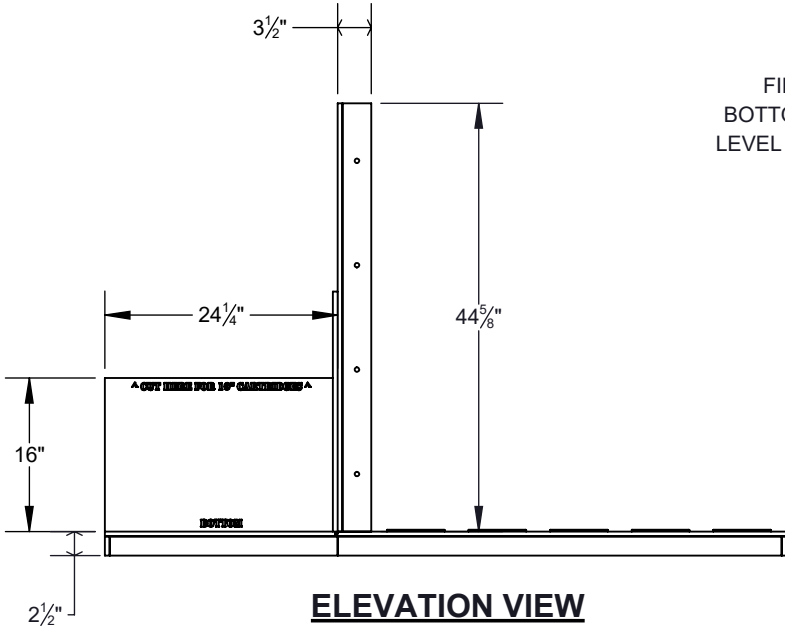
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813399	010	7/13/26
DESIGNED:	DRAWN:	
GG	DWB	
CHECKED:	APPROVED:	
MJS	GG	
SHEET NO.:		
2 OF 2		

26-3370 813399 Misty Cape Cove

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	325-004607	6FT 5-ROW END FLOOR (T-NUTS) - 70" X 47" X 2.5"	1
2	325-004573	6FT SEPARATOR WALL BOTTOM SECTION - 70" X 44.625" X 3.5"	1
3	325-004592	KFPD0606 INLET FLOOR - 24.25" X 24.25" X 2.5"	1
4	325-004552	KFPD0X06 WEIR WALL 10" CARTRIDGES - 16" X 24.25" X 3.5"	1
5	325-004576	6FT SEPARATOR WALL FILLER PLATE - 25" X 20" X 4"	1
6	325-004587	TRANSFER COVER - 25" X 20" X 0.5"	1
7	325-004364	QUARTER TURN ADAPTER	40
8	325-004556	HARDWARE KIT	1

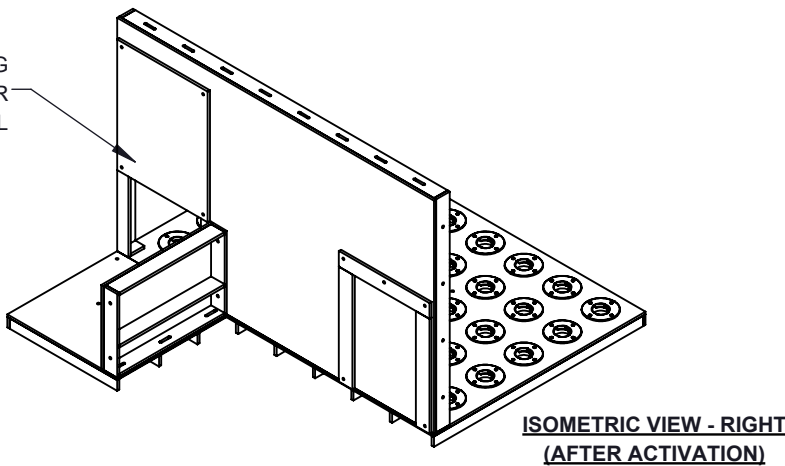


ISOMETRIC VIEW
(AS SHIPPED)

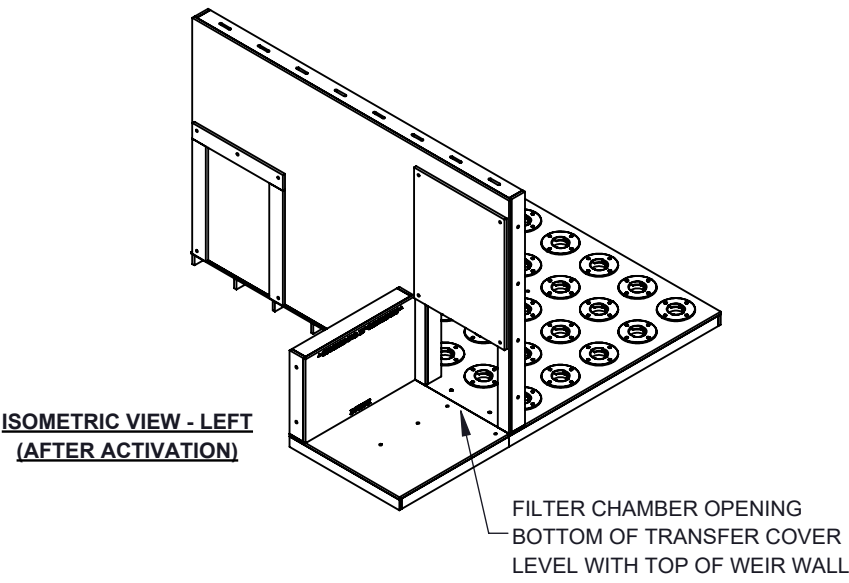


ELEVATION VIEW

FILTER CHAMBER OPENING
BOTTOM OF TRANSFER COVER
LEVEL WITH TOP OF WEIR WALL



ISOMETRIC VIEW - RIGHT
(AFTER ACTIVATION)



ISOMETRIC VIEW - LEFT
(AFTER ACTIVATION)

- NOTES:
- 1. APPROXIMATE TOTAL WEIGHT: 185 LBS (NOT INCLUDING CARTRIDGES)
 - 2. SEE INSTALLATION GUIDE FOR ADDITIONAL INFORMATION
 - 3. TRANSFER COVER REMOVED UPON ACTIVATION. SEE INSTALLATION GUIDE FOR DETAILS

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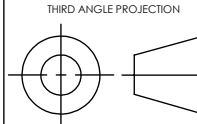
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REFERENCE DETAILS
KFPD0606 SHALLOW
10-INCH CARTRIDGES



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

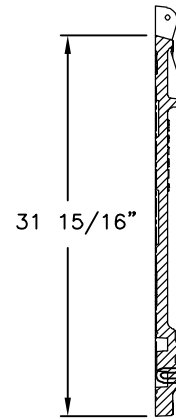
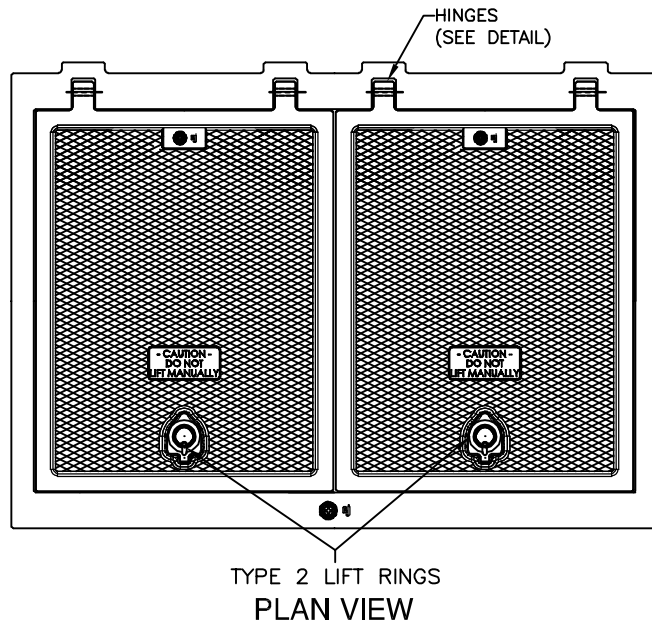
TOLERANCES:
FRACTIONAL ± 1/16
ANGLES ± 1 DEGREE
TWO PLACE DECIMAL ± 0.06
THREE PLACE DECIMAL ± 0.030

DRAWING NUMBER: KFPD0606 SHALLOW-10		
APPROVED BY: J. HARLOW	DRAWN BY: J. FORST	
APPROVED BY DATE: 2025.12.10	DRAWN BY DATE: 2025.12.05	REV: A
SCALE: N/A	SHEET 1 OF 1	

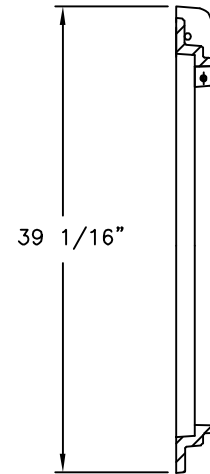
8233Z 8233A1 8090

Assembly

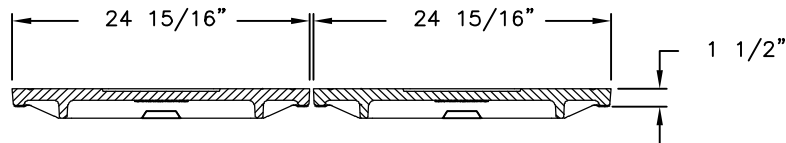
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Misty Cape Cove



COVER SECTION



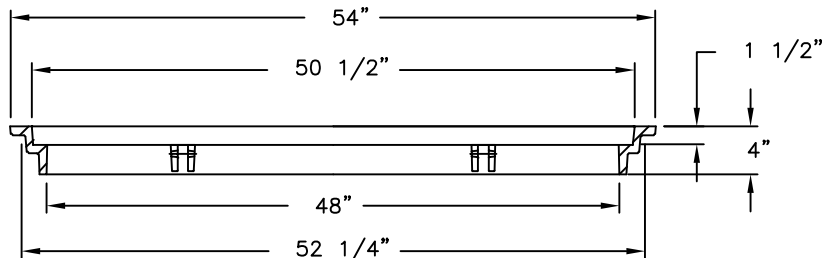
FRAME SECTION



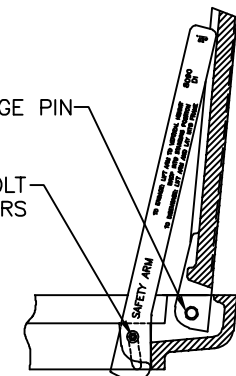
DBL COVER SECTION

- (2) 1/2" X 4 3/4" SS CON-HINGE PIN
- (4) 1/8" X 1" SS COTTER PIN

- (1) 3/8"-16" SS HX HD BOLT WITH NUT AND WASHERS



FRAME SECTION



HINGE & SAFETY
BAR DETAIL

Product Number

00823361A01

Design Features

- Materials
 - Accessory
 - Ductile Iron (70-50-05)
 - Hatch Frame
 - Gray Iron (CL35B)
 - Hatch Cover
 - Ductile Iron (70-50-05)
- Load Rating
 - Heavy Duty
- Open Area
 - n/a
- Coating
 - Undipped
- √ Designates Machined Surface

Certification

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

Major Components

00809064P01
00823312
00823361

Drawing Revision

11/25/2024 Designer: MAH
4/17/2025 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.

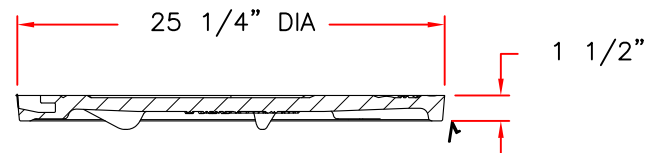
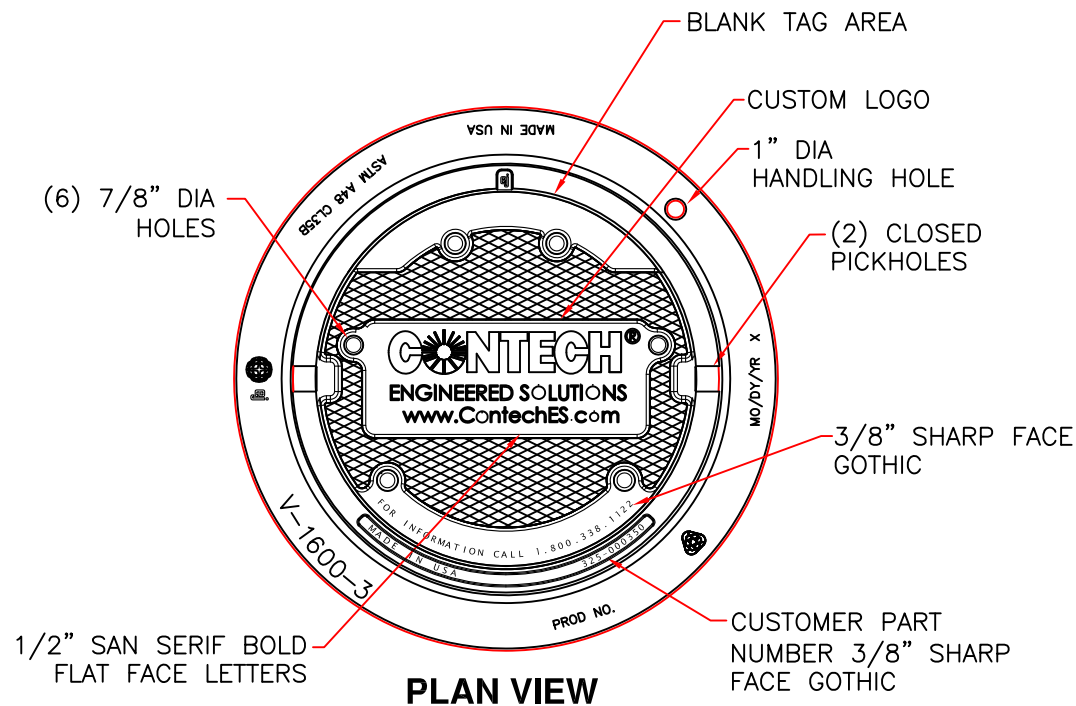
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Contact

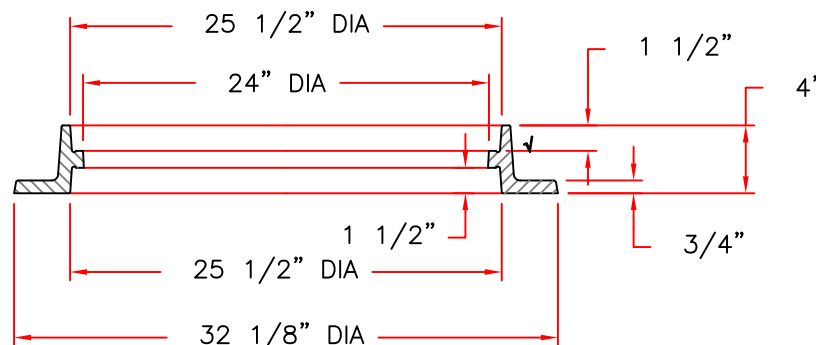
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V1600-3 V1610-3 Assembly



COVER SECTION



RING SECTION

Product Number

41600389

Design Features

- Materials
 - Frame
 - Gray Iron (CL35B)
 - Cover
 - 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

41600310
41600374

Drawing Revision

05/02/2008 Designer: DEW
6/20/2017 Revised By: DAE

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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