

MISTY CAPE COVE
NASHVILLE, TN

FABRICATION PACKAGE
HC KRAKEN KFPD0608 - 813399-015
WQU #2

MATERIAL LIST (INCLUDED WITH STRUCTURE DELIVERY UNLESS NOTED OTHERWISE)

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
14	30" KRAKEN FILTER		CONTECH	PRECASTER
5	30" DRAINDOWN FILTER		CONTECH	PRECASTER
37	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
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. 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.

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MARK	DATE	REVISION DESCRIPTION	BY



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CONTECH
FABRICATION
DRAWING

HC KRAKEN KFPD0608 - 813399-015

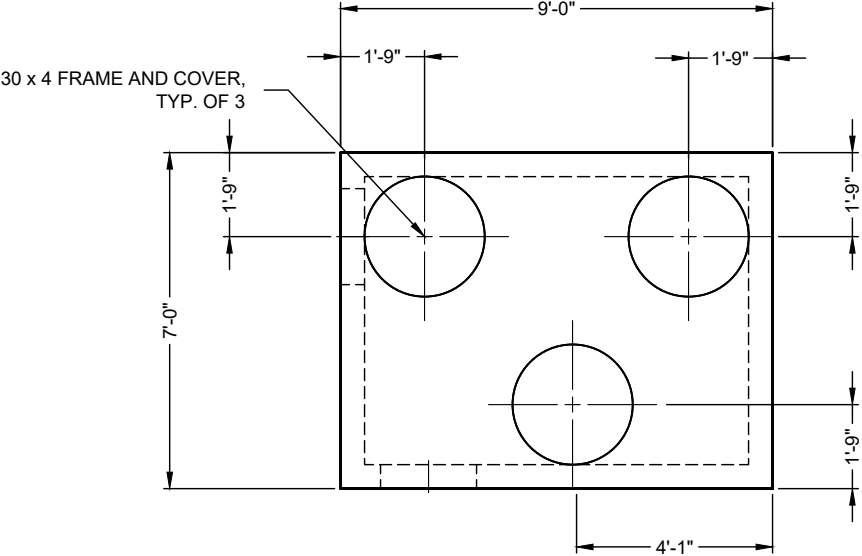
MISTY CAPE COVE

NASHVILLE, TN

SITE DESIGNATION: WQU #2

PROJECT No.: 813399	SEQ. No.: 015	DATE: 7/14/26
DESIGNED: GKG	DRAWN: DWB	
CHECKED: MJS	APPROVED: GKG	
SHEET NO.: 1	OF 2	

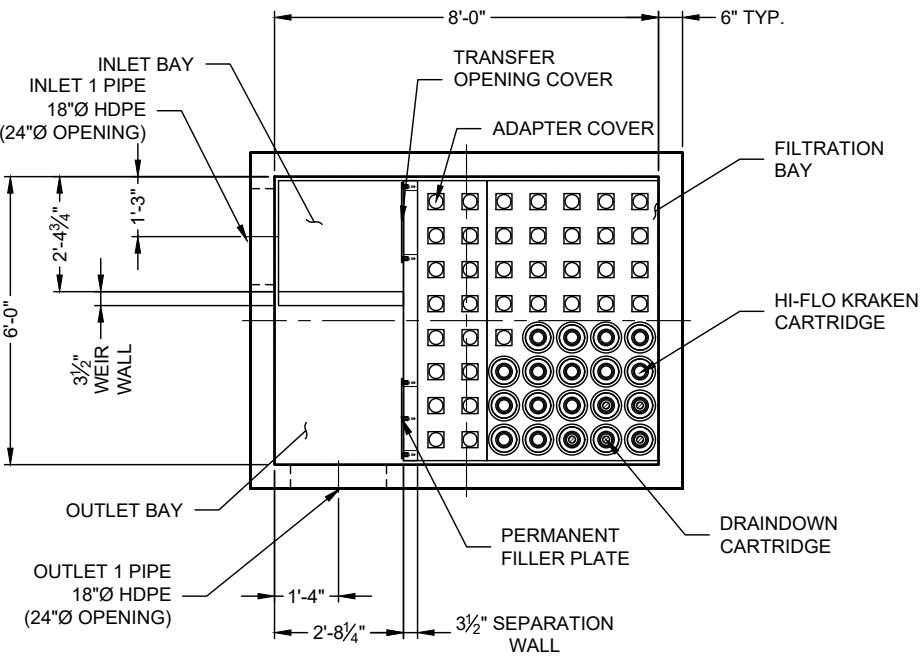
26-3370 813399 Misty Cape Cove



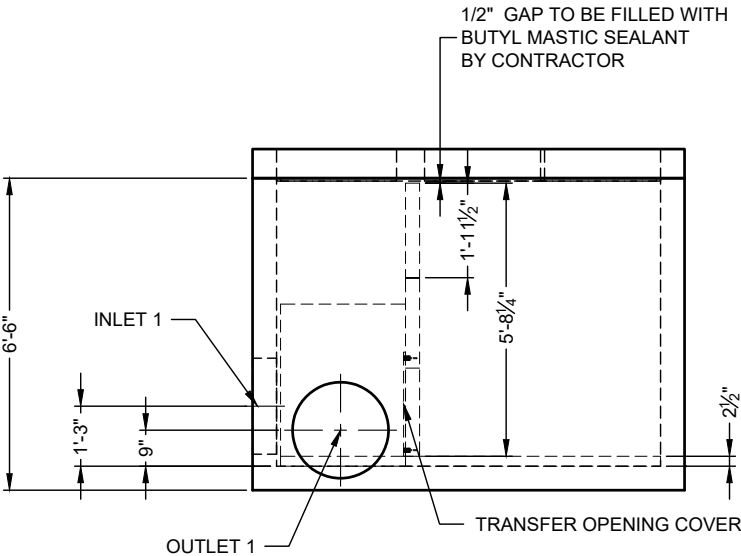
PLAN VIEW

WQU2

ICAST to fully pre-assemble internal materials prior to shipment

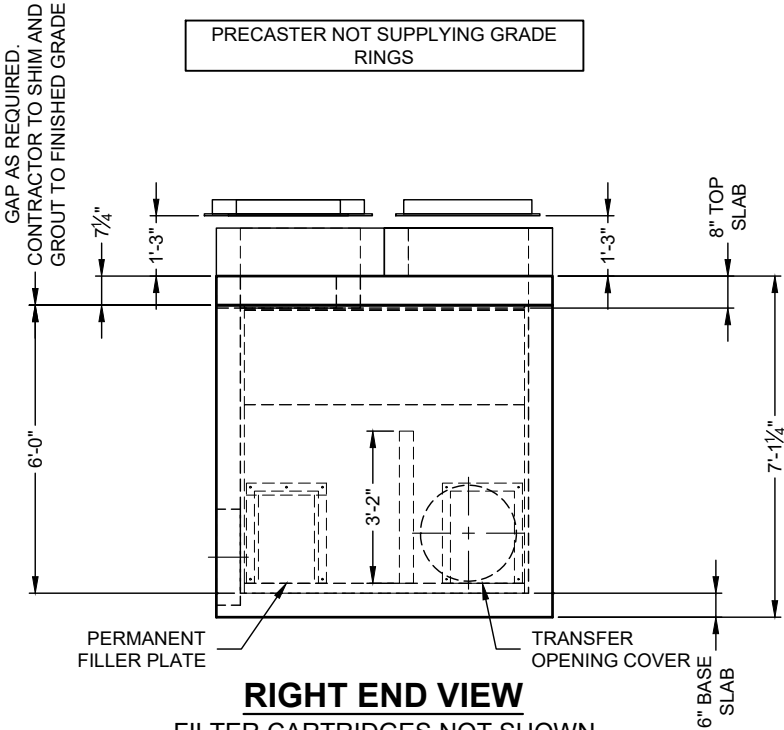


PLAN VIEW
TOP SLAB NOT SHOWN



ELEVATION VIEW
FILTER CARTRIDGES NOT SHOWN

RIM ELEV. 569.12+/-
TOP OF STRUCTURE ELEV. 567.53
WEIR/TREATMENT HGL ELEV. 564.30
INLET 1 INVERT ELEV. 561.43
OUTLET 1 INVERT ELEV. 560.93
OUTSIDE BOTTOM ELEV. 560.43



RIGHT END VIEW
FILTER CARTRIDGES NOT SHOWN

SITE DESIGN DATA	
WATER QUALITY FLOW (CFS)	0.70
TOTAL CARTRIDGE FLOW RATE (CFS)	0.72
PEAK FLOW RATE (CFS)	12.04
RETURN PERIOD (YRS)	100
SURFACE LOADING	HS-20
GROUNDWATER ELEVATION*	560.93

*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*	18800 LB.
TOP SLAB	5000 LB.
BASE SECTION	18350 LB.
INTERNAL COMPONENTS	275 LB.
CARTRIDGES (19)	175

*BASE SECTION SHIPPED WITH INTERNAL COMPONENTS AND CARTRIDGES INSTALLED

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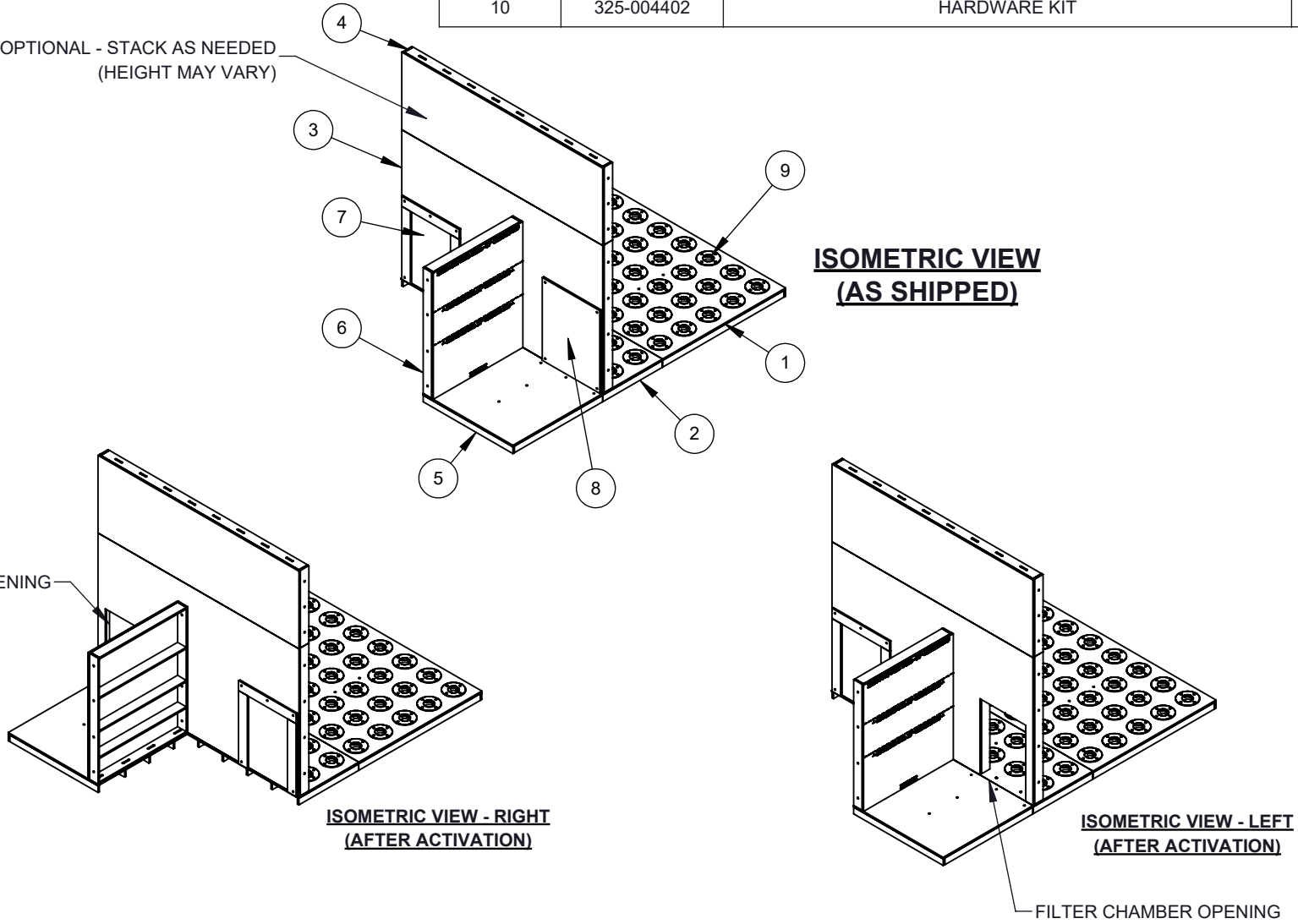
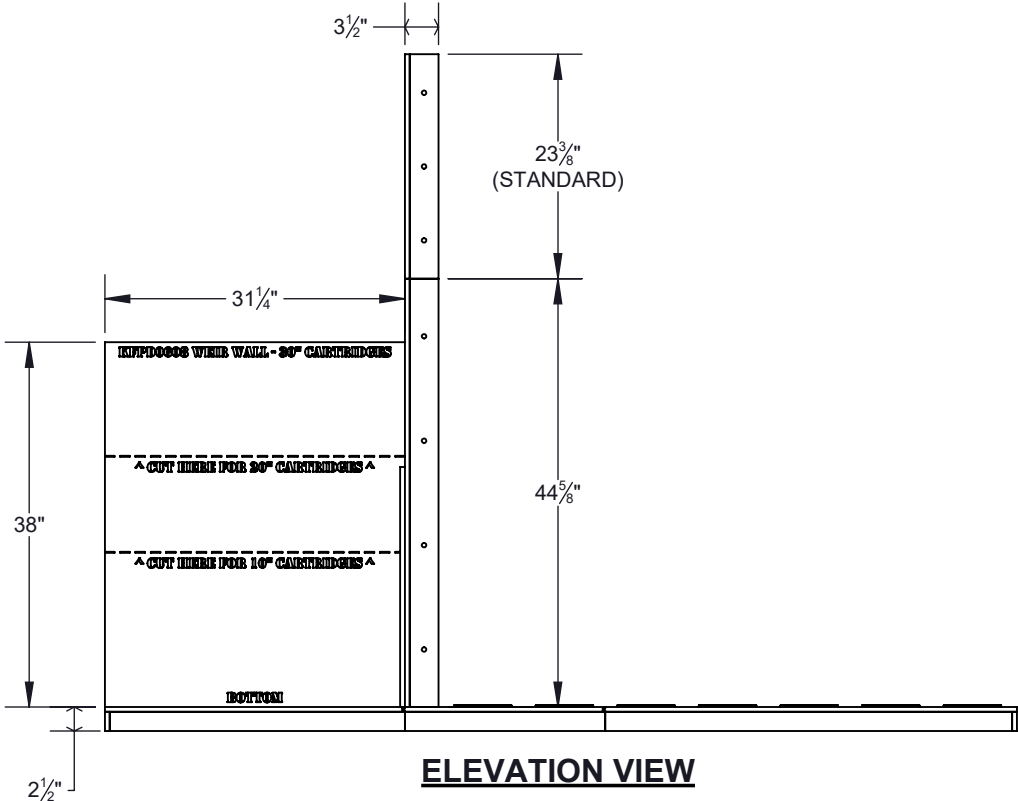
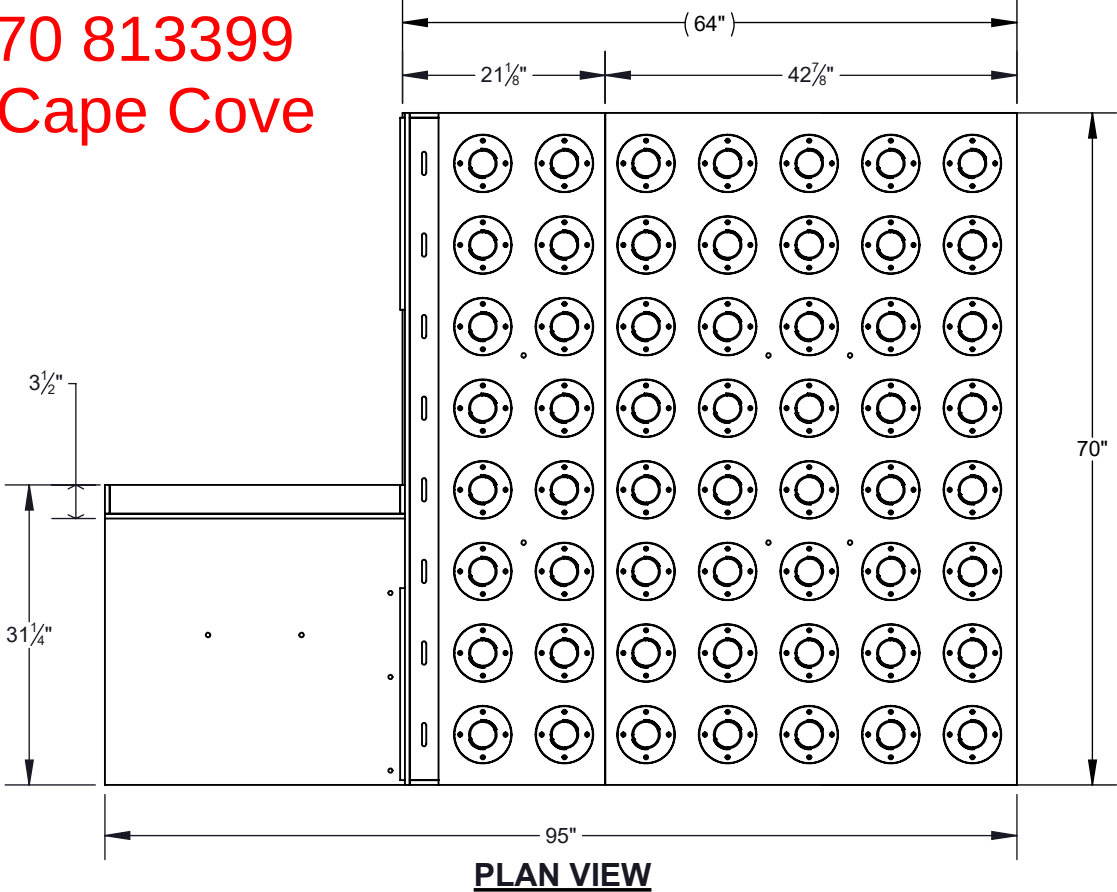
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DRAWING

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MISTY CAPE COVE
NASHVILLE, TN
SITE DESIGNATION: WQU #2

PROJECT No.: 813399	SEQ. No.: 015	DATE: 7/14/26
DESIGNED: GKG	DRAWN: DWB	
CHECKED: MJS	APPROVED: GKG	
SHEET NO.: 2	OF 2	

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

26-3370 813399
Misty Cape Cove



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

- 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

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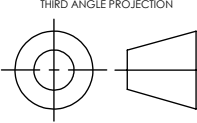
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REFERENCE DETAILS
KFPD0608 FULL HEIGHT
30-INCH CARTRIDGES



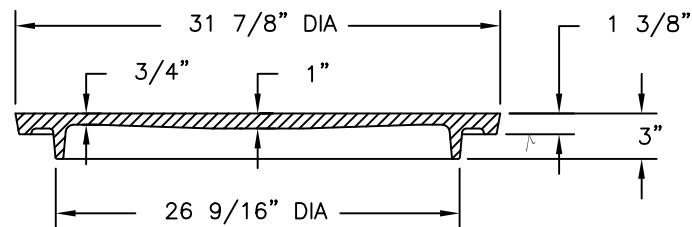
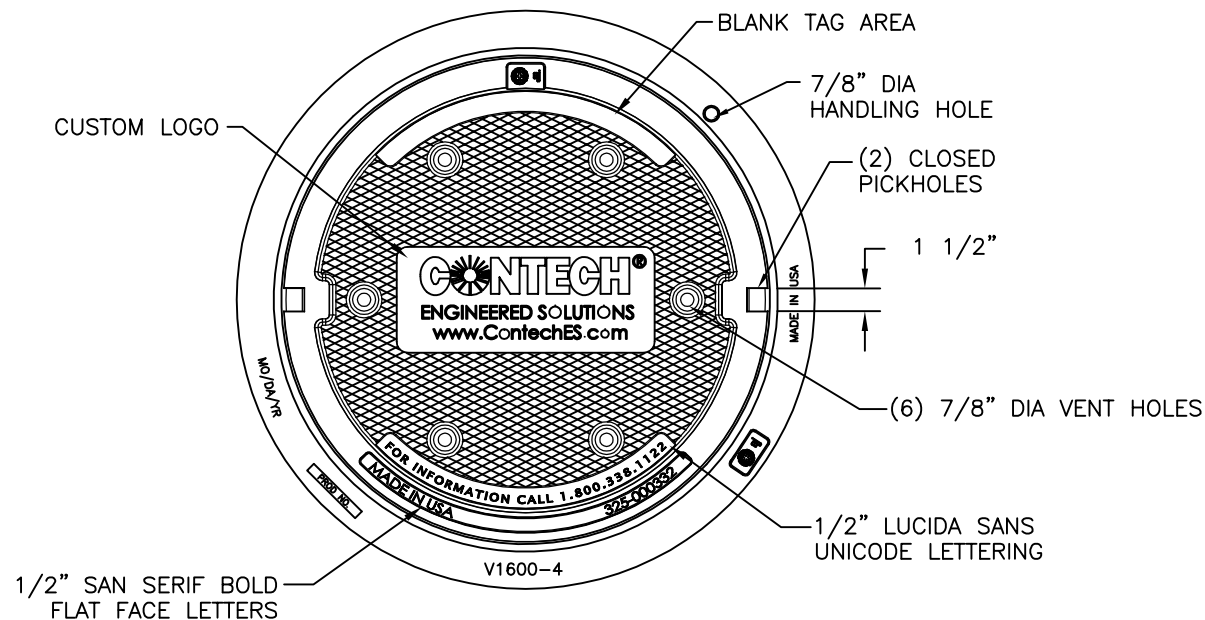
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

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

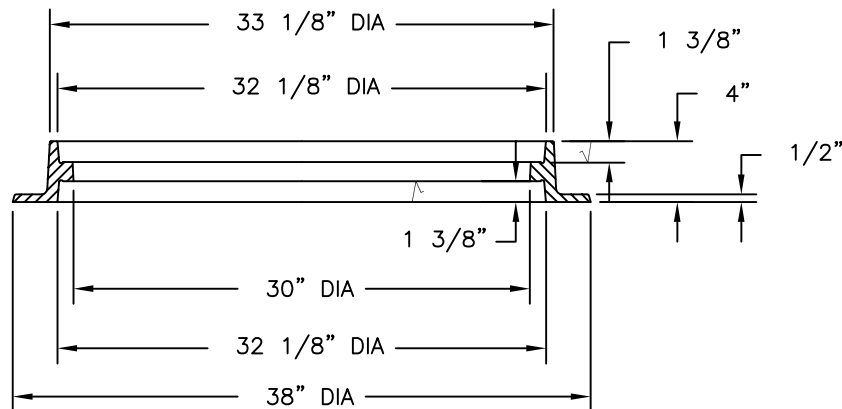
DRAWING NUMBER: KFPD0608 FULL-30			
APPROVED BY: J. HARLOW	DRAWN BY: J. FORST		
APPROVED BY DATE: 2025.12.10	DRAWN BY DATE: 2025.12.04	REV:	A
SCALE: N/A	SHEET 1 OF 1		

26-3370 813399 Misty Cape Cove

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.

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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