

26-3277 877389 7-Eleven No.1056726

7-ELEVEN - # 1056726 - SHELBY AVE
NASHVILLE, TN

FABRICATION PACKAGE

HC KRAKEN KFPD0612 - 877389-10 STR. A1

MATERIAL LIST (INCLUDED WITH STRUCTURE DELIVERY UNLESS NOTED OTHERWISE)

COUNT	DESCRIPTION	PART NUMBER	PROVIDED BY	INSTALLED BY
41	30" KRAKEN FILTER		CONTECH	PRECASTER
14	30" DRAINDOWN FILTER		CONTECH	PRECASTER
41	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.

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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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DRAWING

HC KRAKEN KFPD0612 - 877389-10

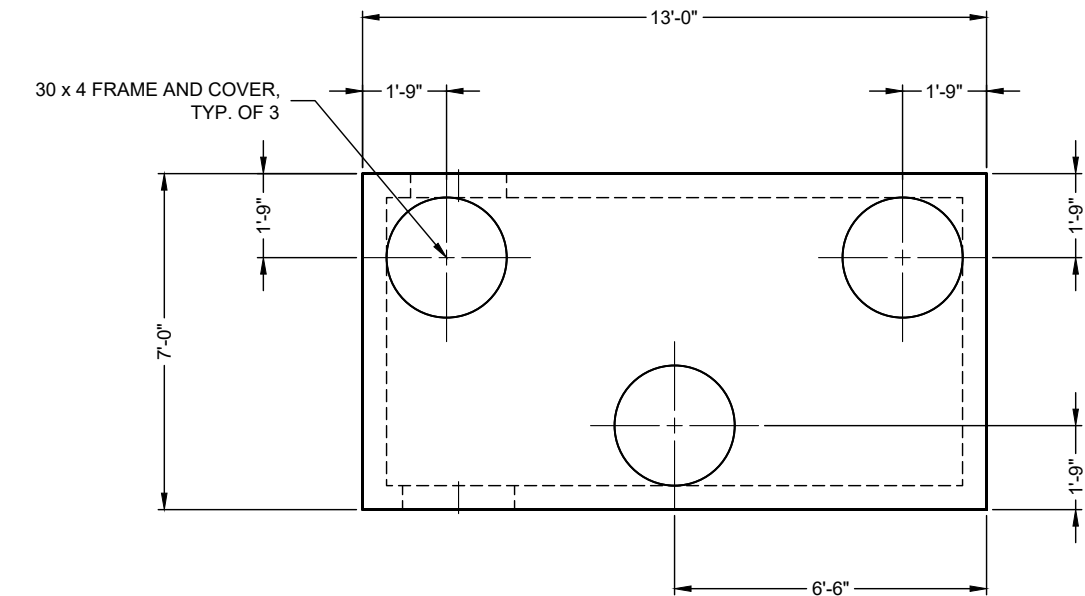
7-ELEVEN - # 1056726 - SHELBY AVE

NASHVILLE, TN

SITE DESIGNATION: STR. A1

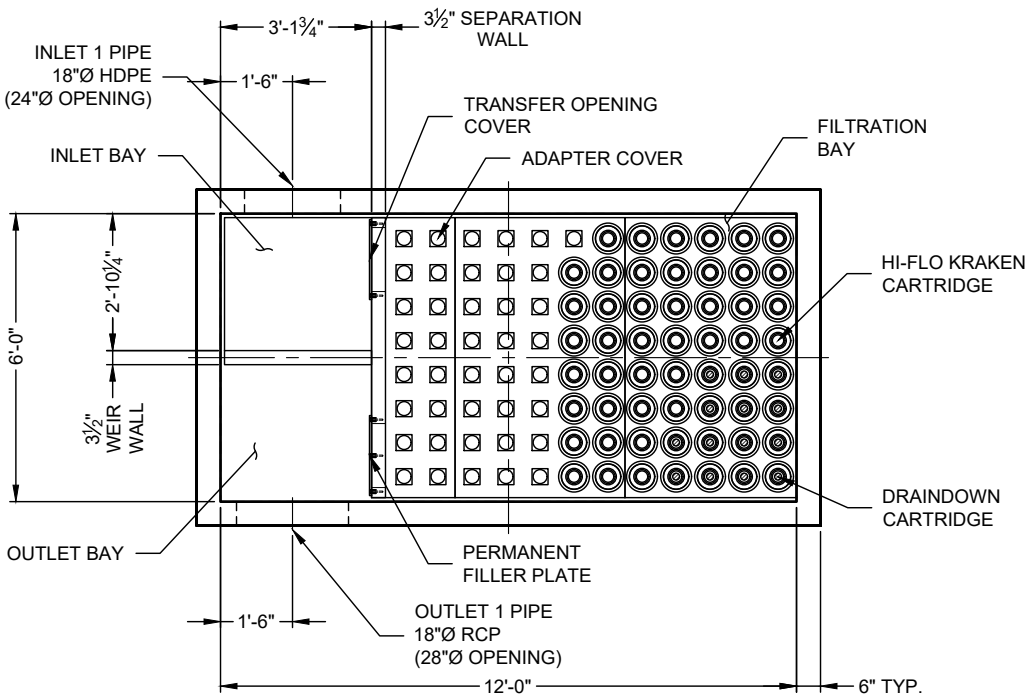
PROJECT No.: 877389	SEQ. No.: 10	DATE: 7/16/2026
DESIGNED: GG	DRAWN: MLC	
CHECKED: MAK	APPROVED: GG	
SHEET NO.: 1 OF 2		

26-3277 877389 7-Eleven No.1056726



PLAN VIEW

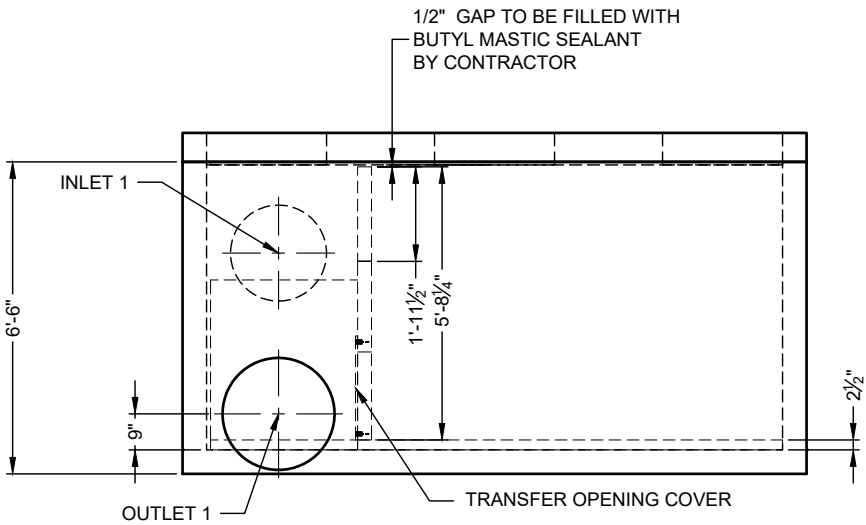
10-KFPD0612
ICAST to fully pre-assemble internal
materials prior to shipment



PLAN VIEW
TOP SLAB NOT SHOWN

PRECASTER NOT SUPPLYING GRADE
RINGS

SEE INSTALLATION NOTE A

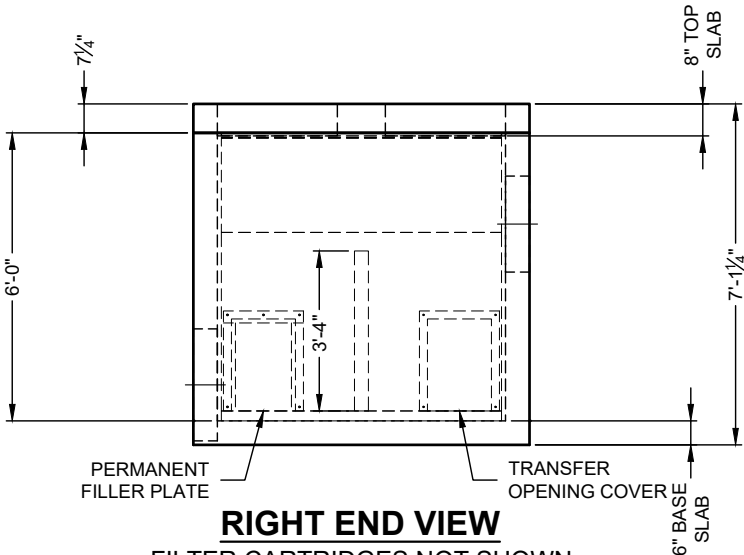


ELEVATION VIEW
FILTER CARTRIDGES NOT SHOWN

RIM ELEV. 427.30+/-
TOP OF STRUCTURE ELEV. 426.80

WEIR/TREATMENT HGL ELEV. 423.74
INLET 1 INVERT ELEV. 423.55

OUTLET 1 INVERT ELEV. 420.20
OUTSIDE BOTTOM ELEV. 419.70



RIGHT END VIEW
FILTER CARTRIDGES NOT SHOWN

SITE DESIGN DATA	
WATER QUALITY FLOW (CFS)	2.09
TOTAL CARTRIDGE FLOW RATE (CFS)	2.08
PEAK FLOW RATE (CFS)	6.00
RETURN PERIOD (YRS)	10
SURFACE LOADING	HS-20
GROUNDWATER ELEVATION*	420.20

*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*	24950 LB.
TOP SLAB	7900 LB.
BASE SECTION	24150 LB.
INTERNAL COMPONENTS	350 LB.
CARTRIDGES (55)	475 LB.

*BASE SECTION SHIPPED WITH INTERNAL COMPONENTS AND CARTRIDGES INSTALLED

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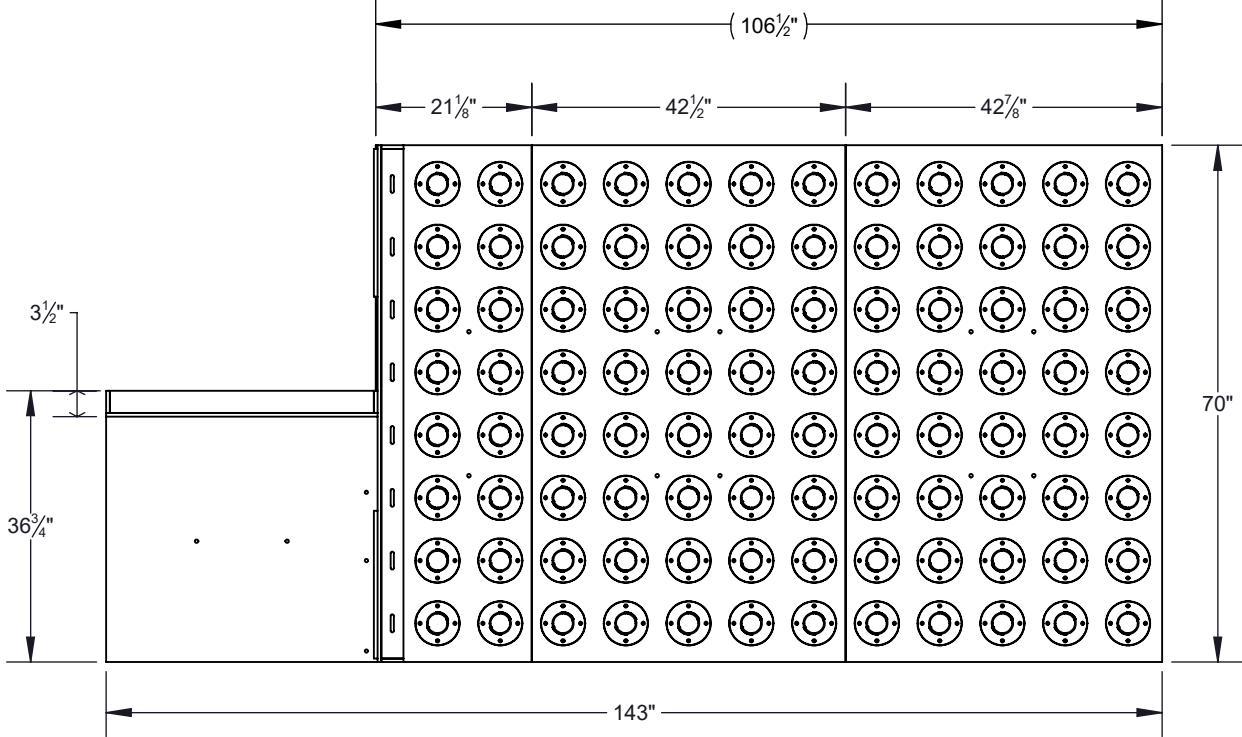
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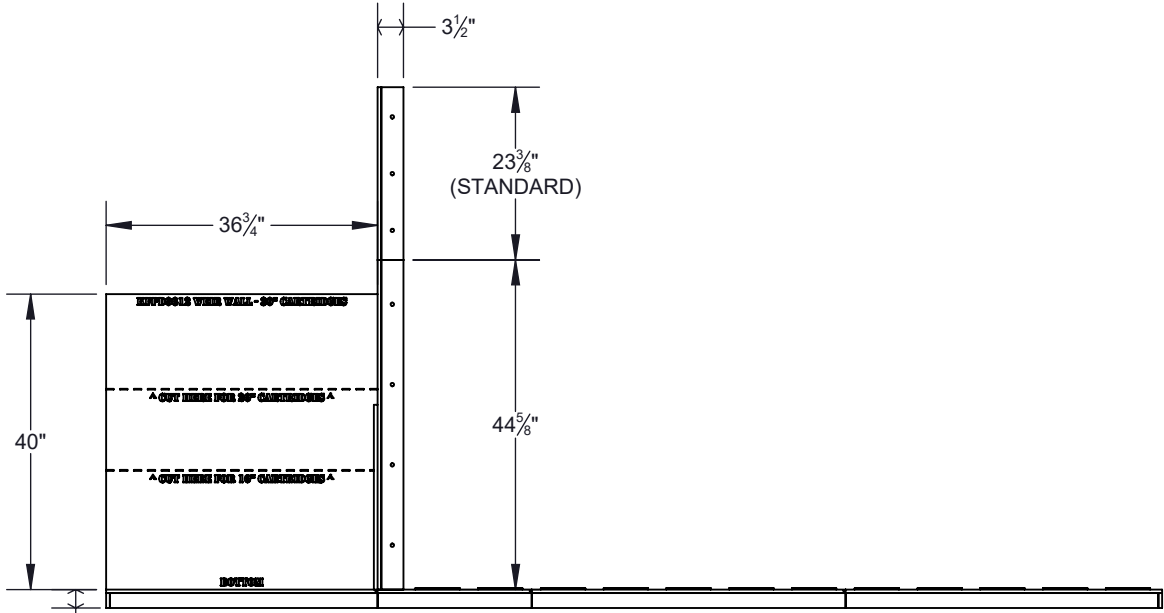
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CHECKED: MAK	APPROVED: GG	
SHEET NO.: 2	OF 2	

ICAST
5888 / 757440
LAYOUT 6 / CLASS 600
KFPD-6-12
15.50 TS
0.00 TR

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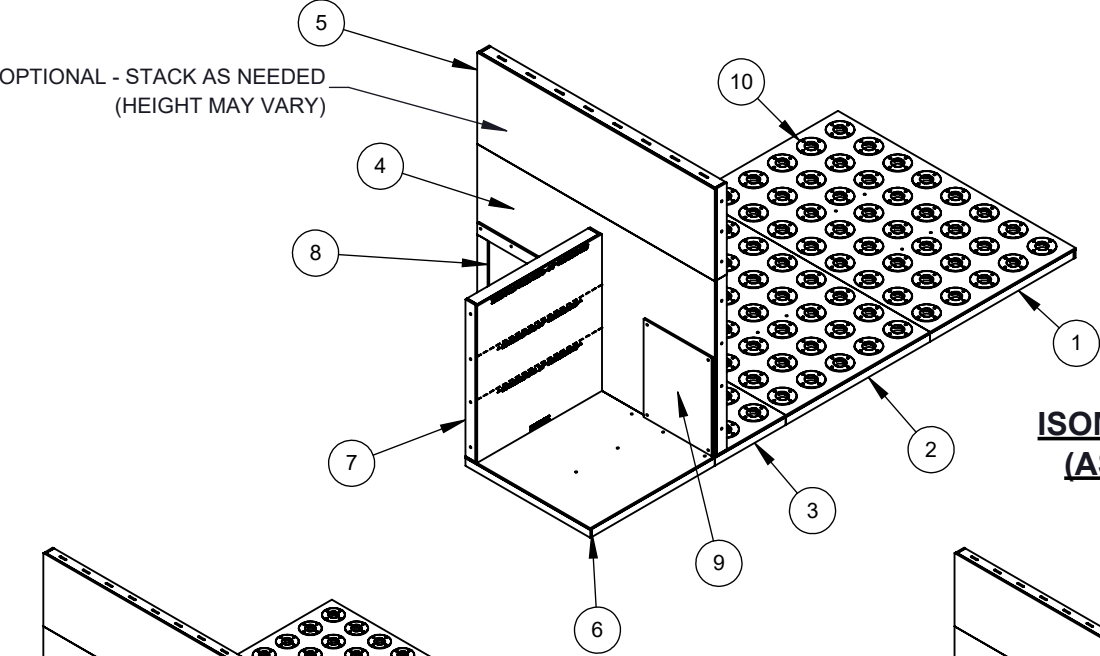


PLAN VIEW

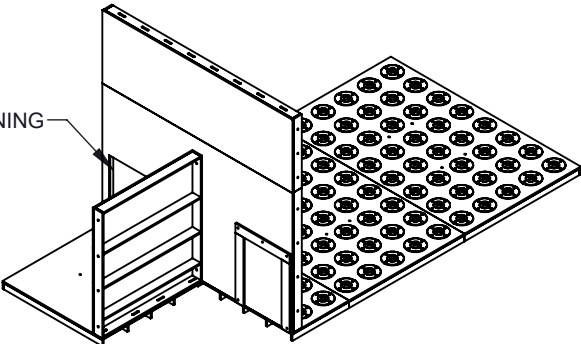


ELEVATION VIEW

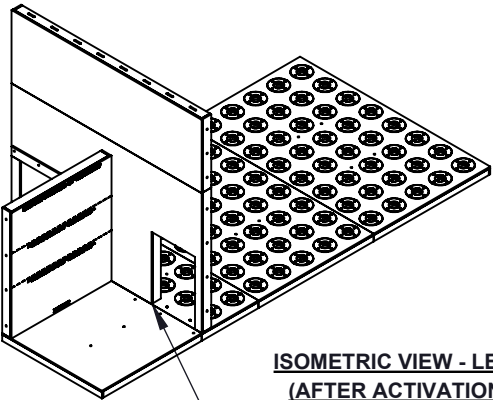
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	325-004394	6FT 5-ROW END FLOOR - 70" X 43.125" X 2.5"	1
2	325-004403	6FT 5-ROW INTERIOR FLOOR - 70" X 42.75" X 2.5"	1
3	325-004606	6FT 2-ROW FLOOR (T-NUTS) - 70" X 21.125" X 2.5"	1
4	325-004573	6FT SEPARATOR WALL BOTTOM SECTION - 70" X 44.625" X 3.5"	1
5	325-004400	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

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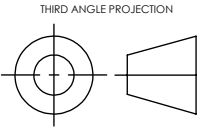
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REFERENCE DETAILS
KFPD0612 FULL HEIGHT
30-INCH CARTRIDGES



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	



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