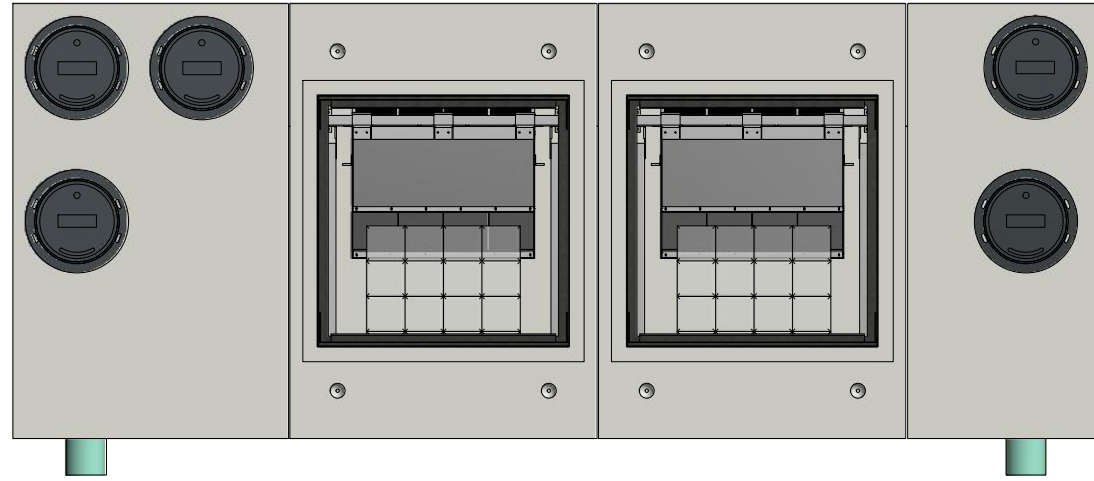
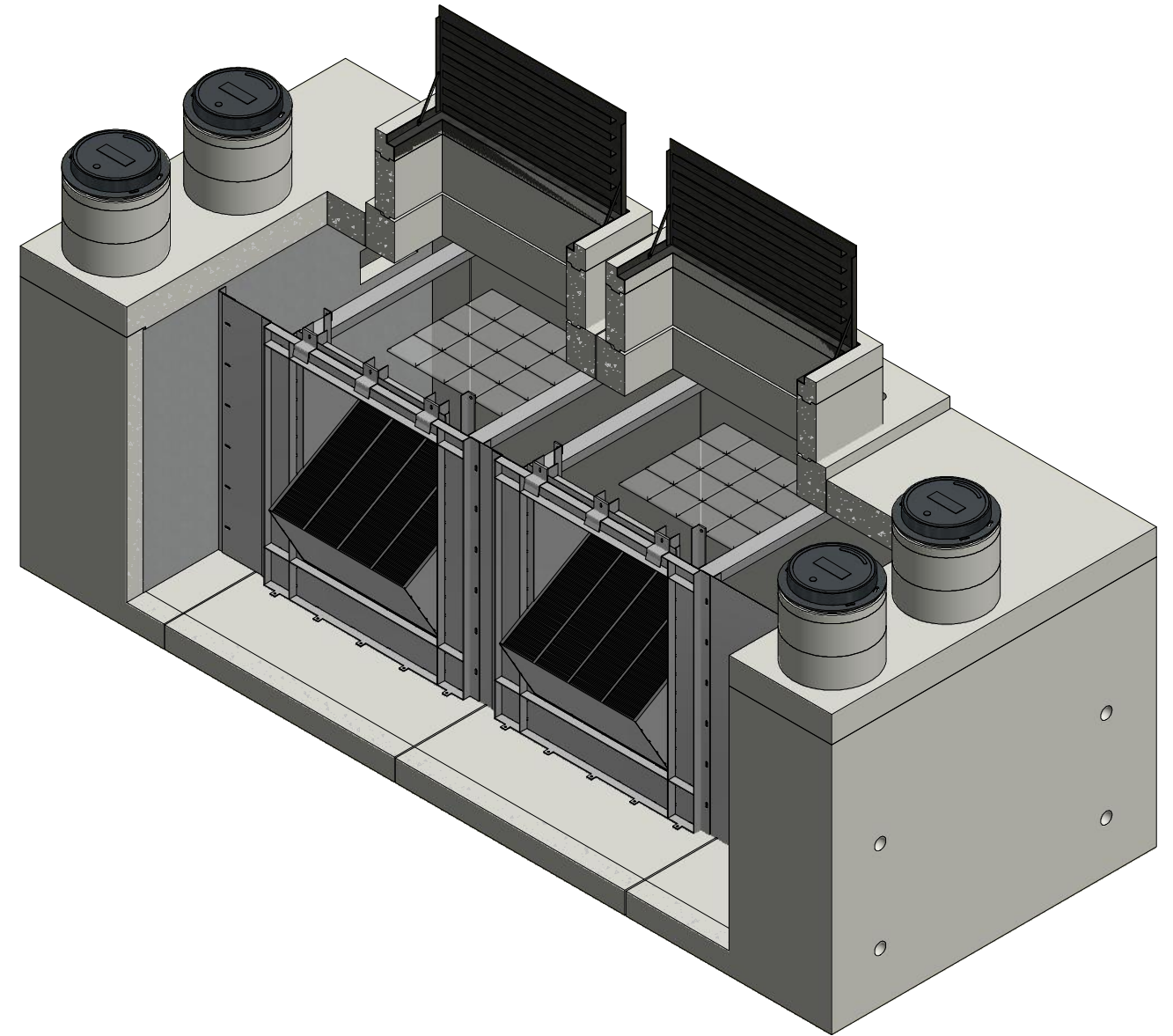


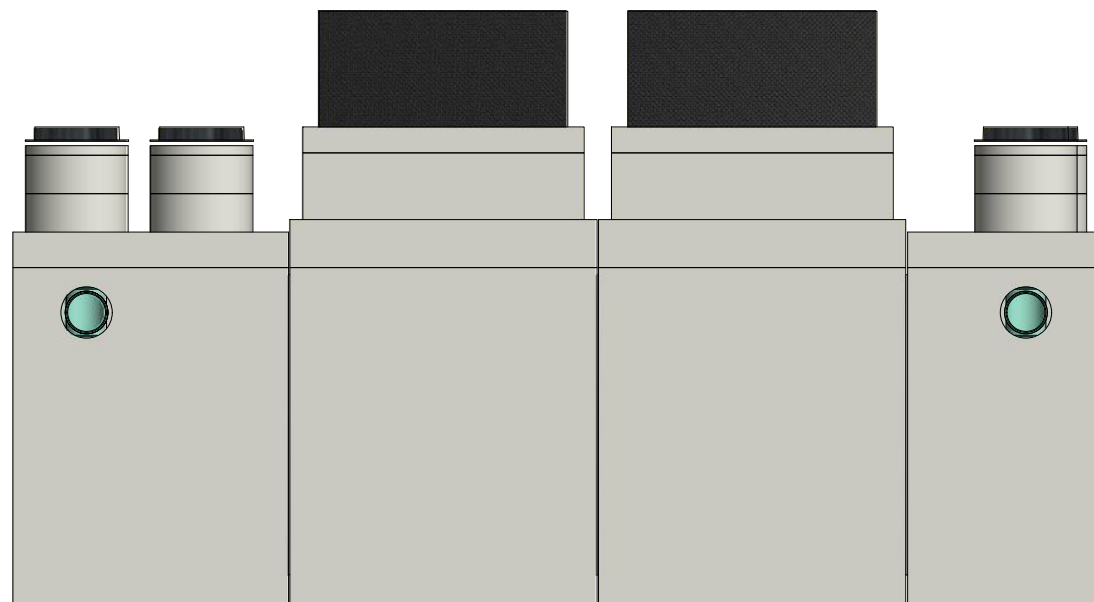
STORMVAULT COALESCING PLATE SEPARATOR (SVCPS) MODEL : SVCPS-3/8-250



PLAN VIEW
NOT TO SCALE



ISOMETRIC VIEW w/ SECTION
NOT TO SCALE



PROFILE VIEW
NOT TO SCALE

SVCPS-0.375-265.idw

DISCLAIMERS, INCLUDING BUT NOT LIMITED TO:

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- 4.) Foundation, subgrade, and backfill to be designed by others.

JENSEN **STORMWATER SYSTEMS**

521 DUNN CIRCLE, SPARKS, NV 89431
www.jensenwaterresources.com
(855) 468-5600

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DESCRIPTION:		SVCPS-3/8-250		REV:
		TITLE SHEET		SHEET:
PART NUMBER:	SVCPS-0.375-265	DRAWN BY:	T. Handke	1 of 2
CREATED:		MODIFIED:	6/9/2020	

STORMVAULT COALESCING PLATE SEPARATOR (SVCPS)

MODEL: SVCPS-3/8-250

SYSTEM AND TREATMENT FLOW DESIGN:

WATER QUALITY TREATMENT FLOW (WQTF)	250.0-GPM (0.56-CFS)
TARGET EFFLUENT CONCENTRATION	15-MG/L
TARGET MINIMUM OIL DROPLET SIZE TO BE REMOVED	130.0-µm (MICRONS)
SPACING BETWEEN COALESCING PLATES	3/8"
NUMBER OF 14" WIDE x 28.8" LONG ALUMINUM PLATES	880
NUMBER OF COALESCING PLATE STACKS	8
NUMBER OF COALESCING PLATES PER STACK	110

LAMELLA PLATE DESIGN ASSUMPTIONS:

MEAN PARTICLE SIZE	130-µm
INFLUENT CONCENTRATION	15-MG/L
SPECIFIC GRAVITY	0.85
TEMPERATURE OF OPERATION	60°F
OIL DROPLET DISTRIBUTION	LOG-NORMAL DISTRIBUTION WITH S.D. 2.0

1. THE STORMVAULT COALESCING PLATE SEPARATOR SYSTEM (LAMELLA) IS MANUFACTURED USING HIGH GRADE ALUMINUM.
2. FOR WATER QUALITY DISCHARGE TO STORM SYSTEM UNIT REQUIRING DIVERSION/BYPASS/VAULT/MANHOLE, SEE JENSEN DIVERTER STRUCTURE.

GENERAL NOTES:

1. SOME INTERNAL COMPONENTS NOT SHOWN FOR CLARITY.
2. EACH VAULT SECTION HAS AN ACCESS LID UNLESS SHOWN OTHERWISE.
3. ALL INTERNAL COMPONENTS INSTALLED BY JENSEN UNLESS OTHERWISE SPECIFIED.
4. FOR UNITS REQUIRING WATER QUALITY DIVERSION/BYPASS SYSTEM, SEE JENSEN DIVERTER STRUCTURE.
5. PANEL DETAILS AND PANEL WIRING DRAWINGS AVAILABLE TO SUPPORT OPTIONAL LEVEL ALARM SENSOR SYSTEM INSTALLATION.

CONSTRUCTION NOTES:

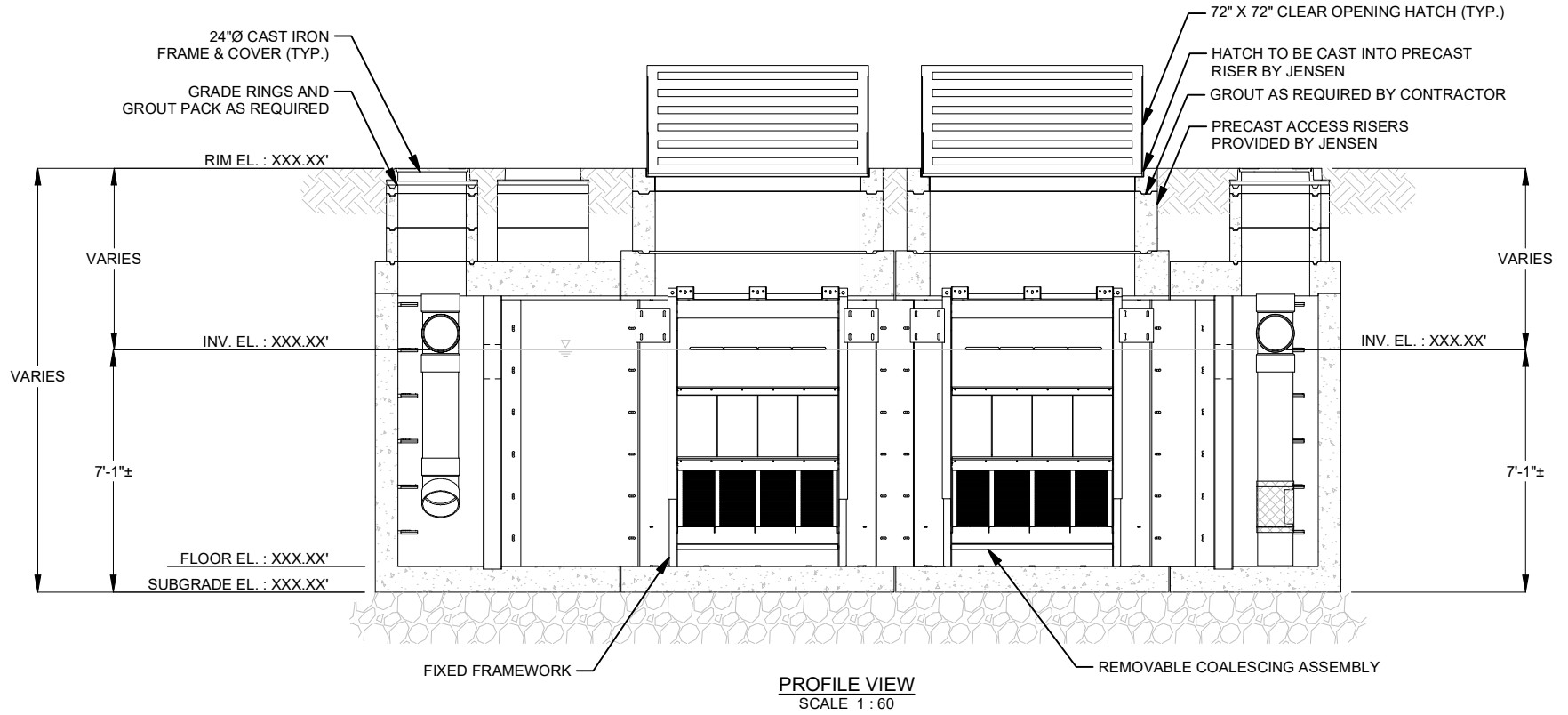
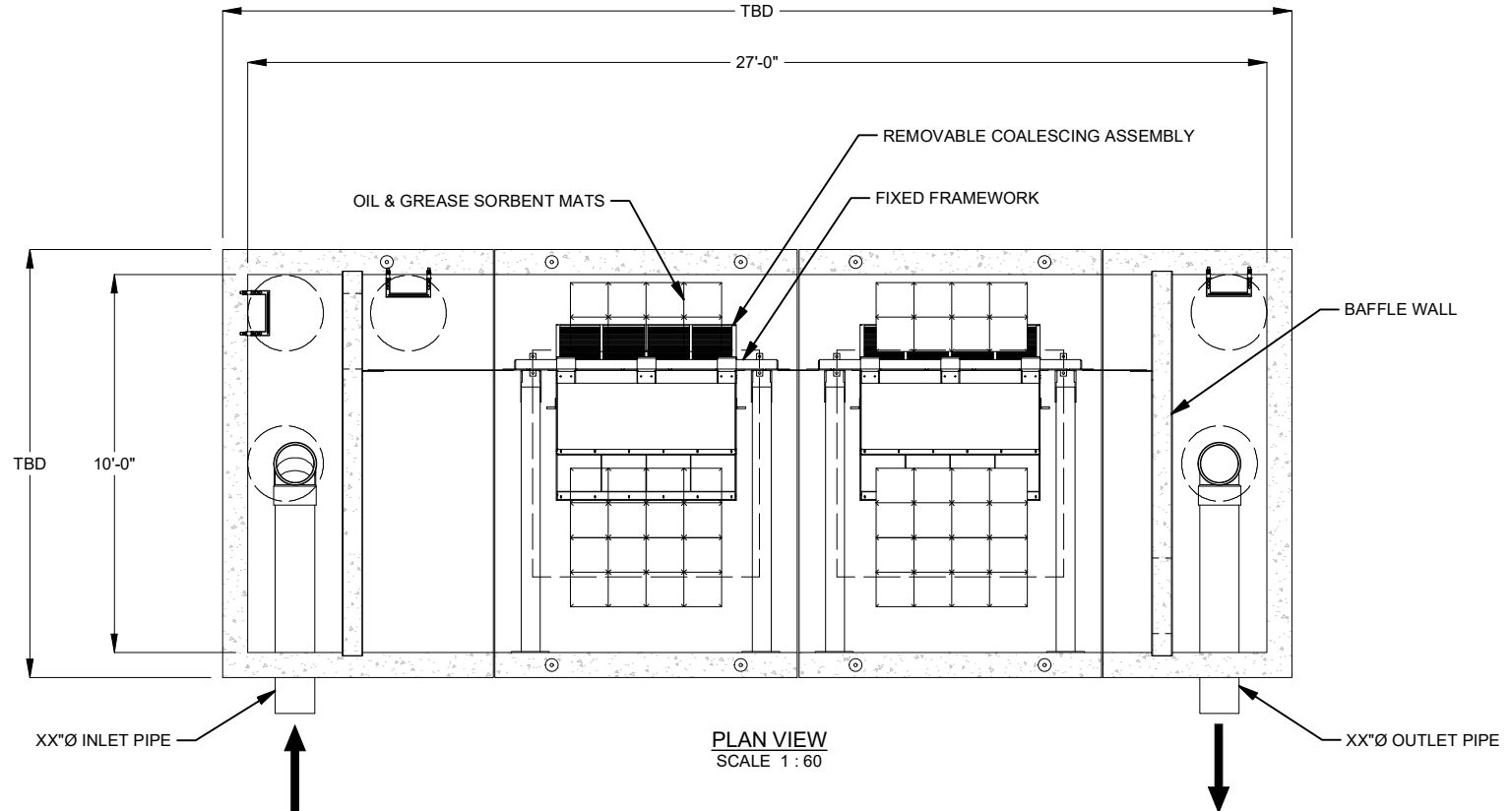
1. ALL DIMENSIONS ARE IN FRACTIONAL INCHES.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS OF ALL PRECAST PIECES IN FIELD.
3. VERIFY CONDITION OF REMOVABLE ALUMINUM FRAME AND LAMELLA PLATES BEFORE INSTALLATION.
4. VERIFY SUBBASE/SUBGRADE ELEVATION BEFORE PLACING PRECAST COMPONENTS OR BACKFILLING.
5. APPLY BUTYL MASTIC AND/OR GROUT TO SEAL JOINTS OF STRUCTURE.
6. APPLY LOAD TO MASTIC SEAL IN JOINTS OF VAULT TO COMPRESS SEALANT IF NECESSARY. UNIT MUST BE WATER TIGHT, HOLDING WATER UP TO FLOWLINE INVERT (MINIMUM).
7. CONTRACTOR TO GROUT SEAL INLET AND DISCHARGE PIPES TO VAULT/MANHOLE WALL IF NO BOOT CONNECTION SPECIFIED.
8. BLOCK AND/OR GROUT PACK BENEATH FRAMES AND COVERS TO MATCH FINISHED GRADE.
9. TOP & BOTTOM SLABS AND WALL THICKNESS SHALL BE DESIGNED FOR SPECIFIC PROJECT INSTALLATION DEPTHS.

MATERIALS:

1. PRECAST VAULT MATERIALS AND MANUFACTURING METHODS SHALL CONFORM TO ALL APPLICABLE ASTM AND AASHTO SPECIFICATIONS.

MATERIAL LIST - PROVIDED WITH UNIT:

QTY	COMPONENT DESCRIPTION	MATERIAL PROVIDER	RESPONSIBLE INSTALLER
1	XX" Ø INLET AND OUTLET PIPING ASSEMBLY	JENSEN	CONTRACTOR
2	REMOVABLE COALESCING ASSEMBLY	JENSEN	CONTRACTOR
2	FIXED FRAMEWORK	JENSEN	JENSEN
6	OIL & GREASE SORBENT MATS OR PADS	JENSEN	CONTRACTOR
5	24"Ø CAST IRON FRAME & COVER	JENSEN	CONTRACTOR
2	72" x 72" ACCESS HATCH	JENSEN	CONTRACTOR
AS RQD.	24"Ø GRADE RINGS	JENSEN	CONTRACTOR
AS RQD.	72" x 72" ACCESS RISER	JENSEN	CONTRACTOR



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DESCRIPTION:		SVCPS-3/8-250		REV:
PLAN & PROFILE				SHEET:
PART NUMBER:	SVCPS-0.375-265	DRAWN BY:	T. Handke	2 OF 2
CREATED:		MODIFIED:	6/9/2020	

SVCPS-0.375-265.idw