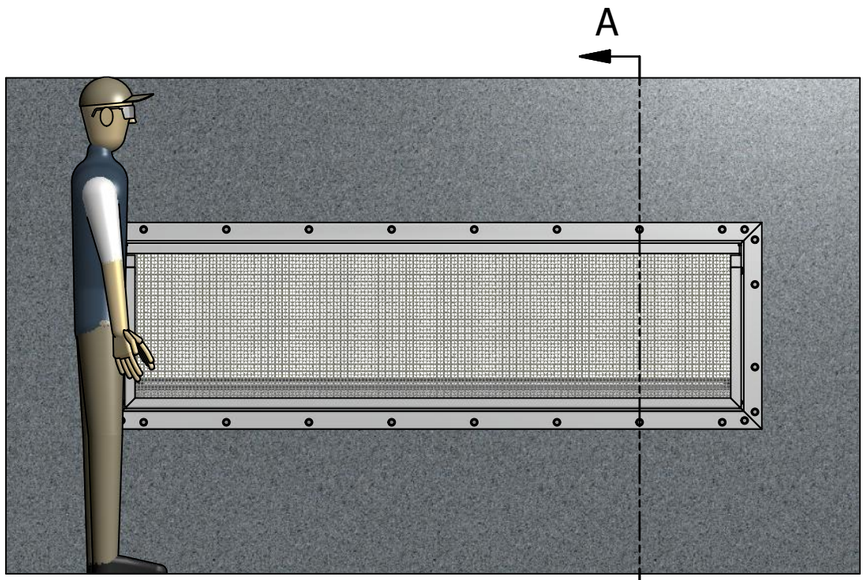
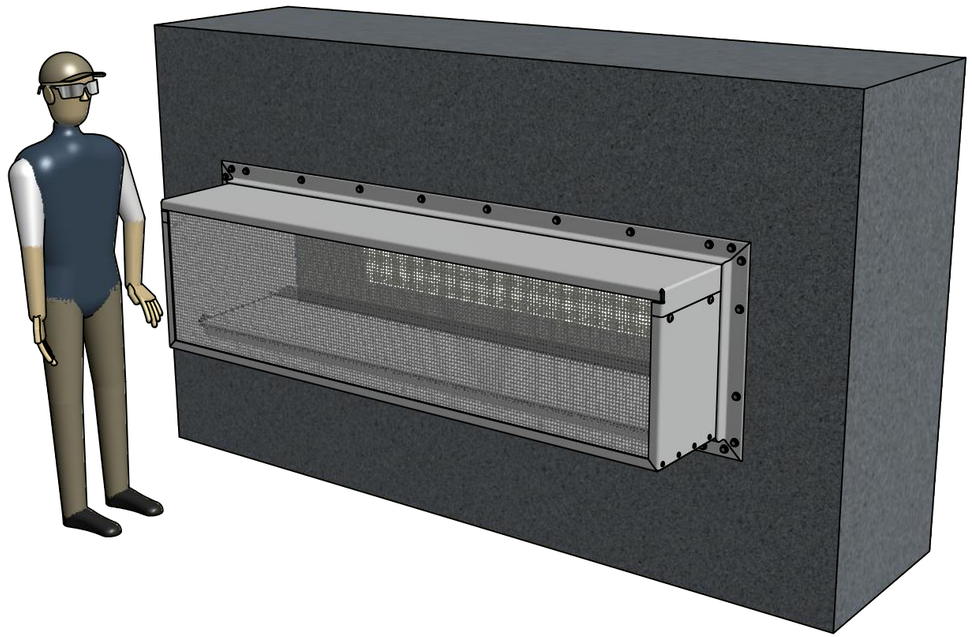


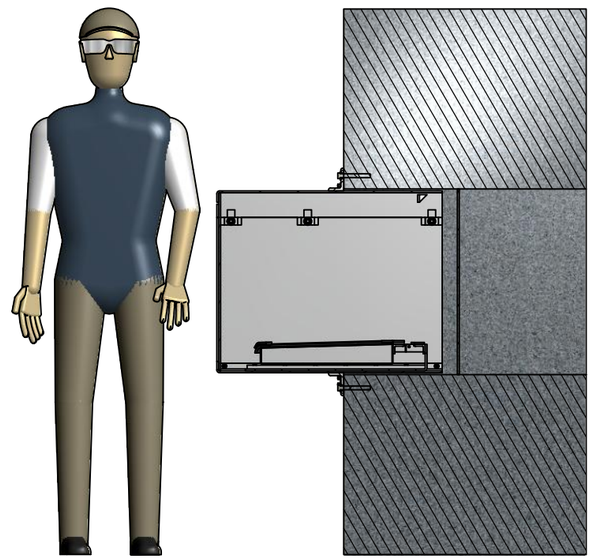
SIDE VIEW

STRUCTURAL SPECIFICATIONS:

1. FLOODGATE MATERIAL TO BE ALUMINUM AS FOLLOWS:
   BOX - ¼" SMOOTH ALUM PLATE - GRADE 5052 MIN. F_Y=30 KSI
   LID -⅛" SMOOTH ALUM PLATE - GRADE 5052 MIN. F_Y=30 KSI
   PAN -¼" SMOOTH ALUM PLATE - GRADE 5052 MIN. F_Y=30 KSI
   ANGLE - 2" x 3" x ⅜" GRADE 6061-T6 MIN. F_Y=40 KSI
   ALUM FLAT BARS, STRUCTURAL ANGLES, HINGES GRADE 6061-T6 MIN. F_Y=40 KSI
   ALUM FLAT SPACER - 1/2" x 2" GRADE 6061-T6 MIN. F_Y=40 KSI
2. HINGE BOLTS, PINS, AND MACHINE SCREWS TO BE STAINLESS STEEL - GRADE 304, MIN. F_Y=90 KSI.
3. ALUMINUM TO BE WELDED WITH ALUMINUM WIRE - PER 4043 AWS A5.10 3/64.
4. TIE-DOWNS WILL BE ½" SST HARDWARE. SPECIAL ATTENTION SHALL BE PAID TO PROPER SUPPORT OF ANGLES AND ANCHOR BOLTS INTO THE SUPPORTING ENCASEMENT.
5. ALL GASKET MATERIAL TO BE EPDM RUBBER.
6. ALL DIMENSIONS IN INCHES.



PERSEPCTIVE VIEW
SINGLE VSL UNIT

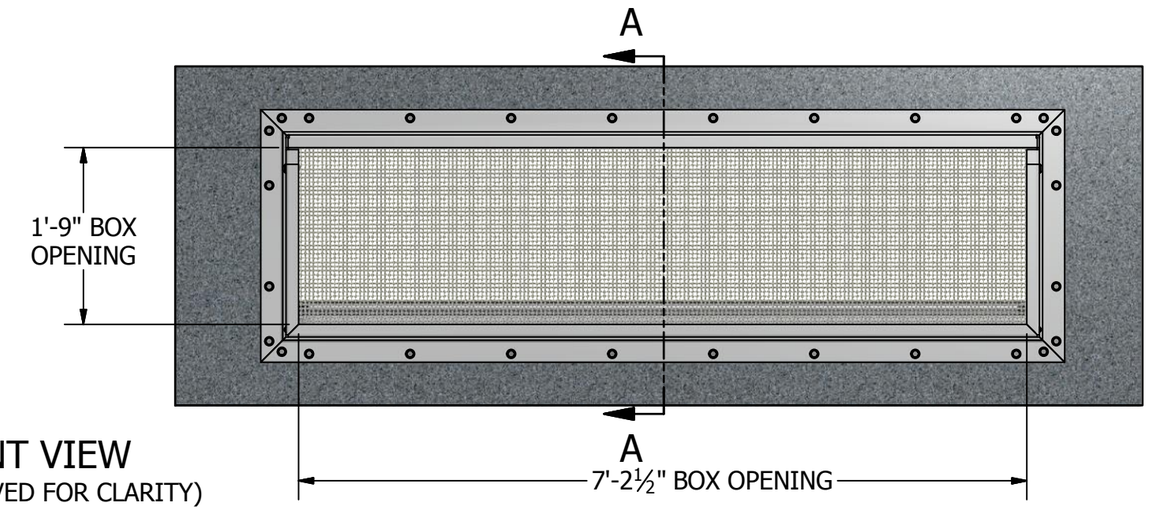


SECTION A-A

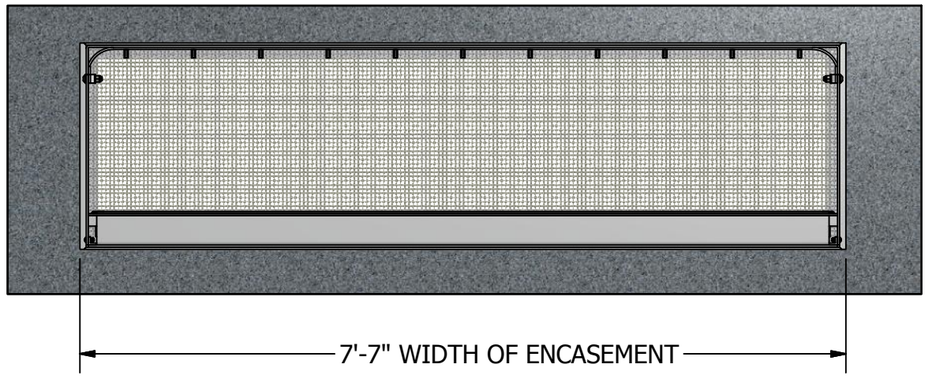
FloodBreak
REVOLUTIONARY FLOOD CONTROL

SAMPLE
Single Panel VSL UNIT
7'-5 1/2" x 2'-0" x 2'-5 3/4"

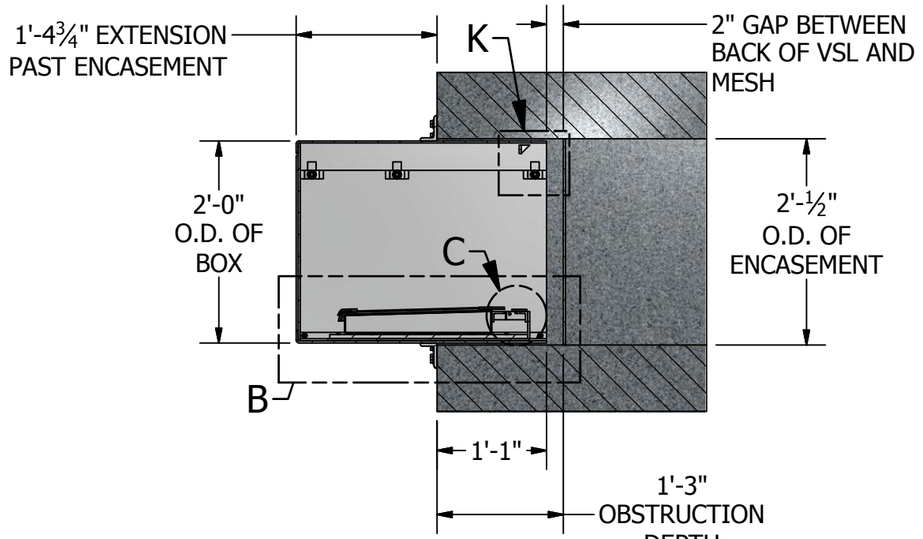
SCALE	VARIES
DRAWN	A. JOLLY
CHECKED	L. WATERS
DATE	9/19/2014
SHEET 1 OF 7	



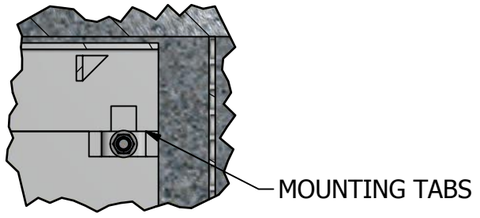
FRONT VIEW
(MESH REMOVED FOR CLARITY)



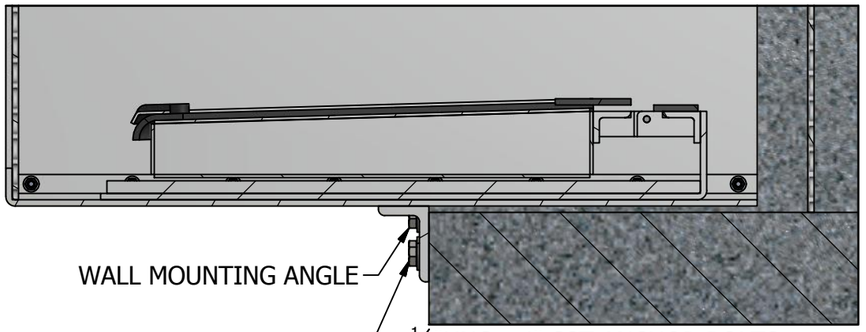
REAR VIEW
(MESH REMOVED FOR CLARITY)



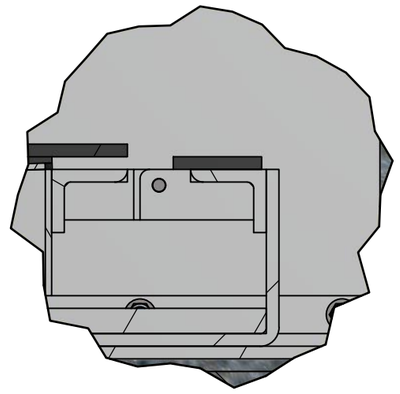
SECTION A-A



DETAIL K



DETAIL B
(CLOSE UP OF PANEL)

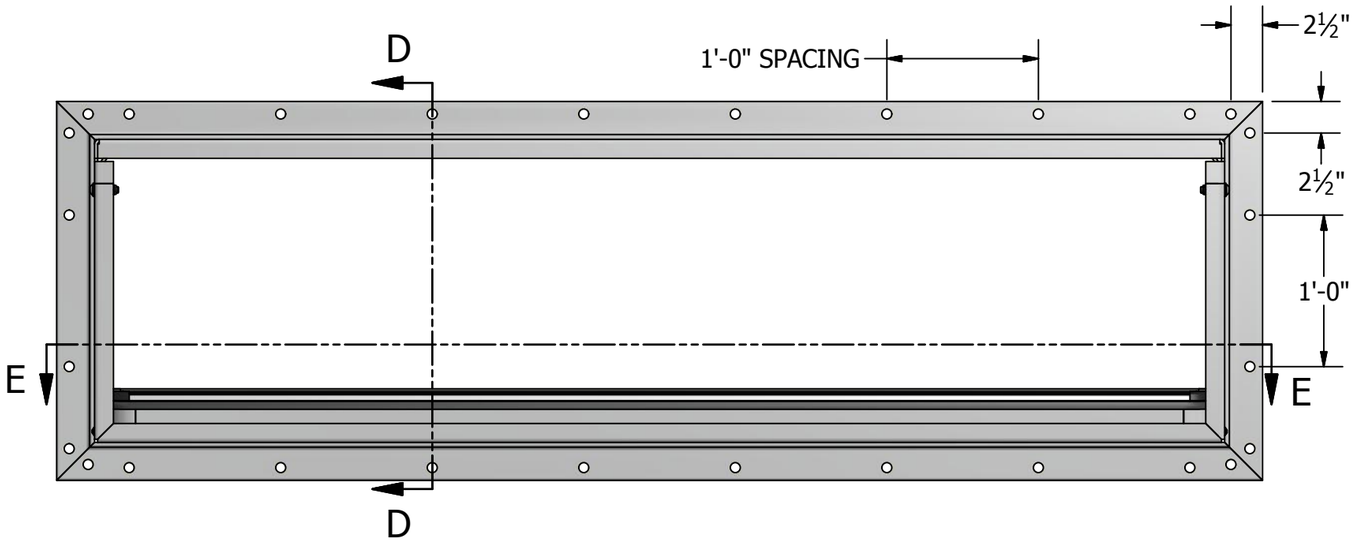


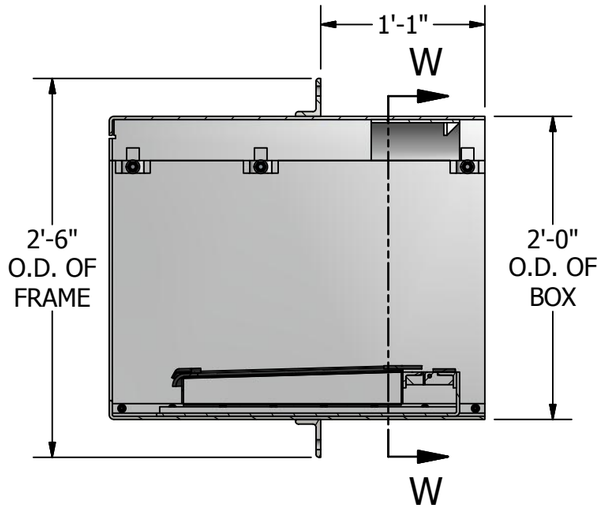
DETAIL C
(HINGE STYLE)

FloodBreak
REVOLUTIONARY FLOOD CONTROL

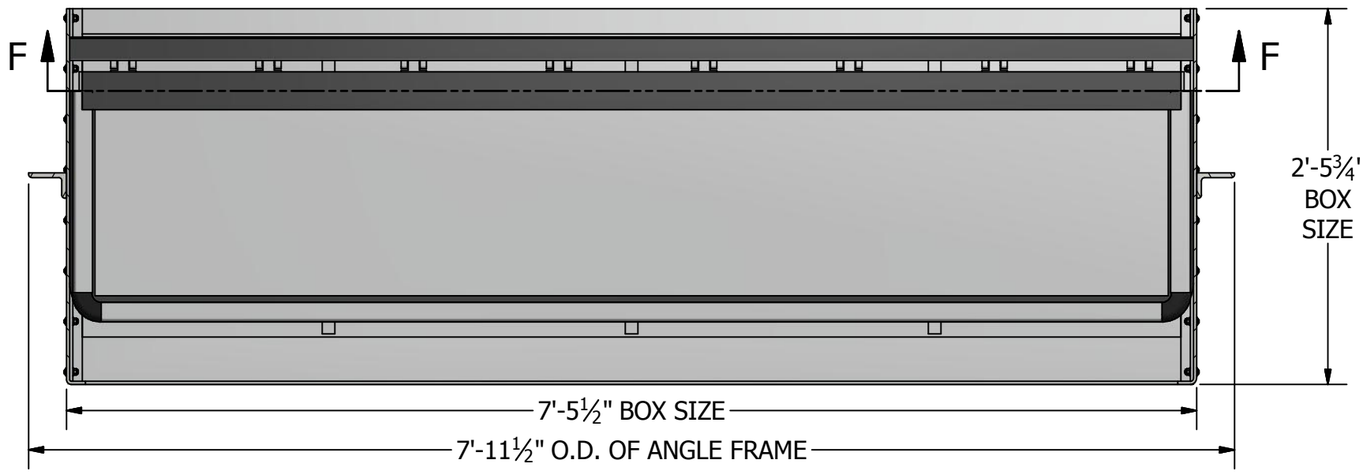
SAMPLE
Single Panel VSL UNIT
7'-5 1/2" x 2'-0" x 2'-5 3/4"

SCALE	VARIES
DRAWN	A. JOLLY
CHECKED	L. WATERS
DATE	9/19/2014
SHEET 2 OF 7	

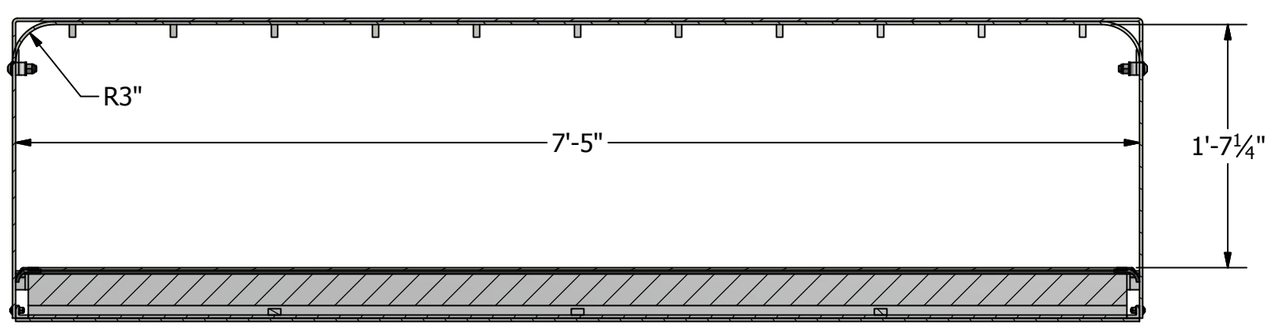




SECTION D-D



SECTION E-E



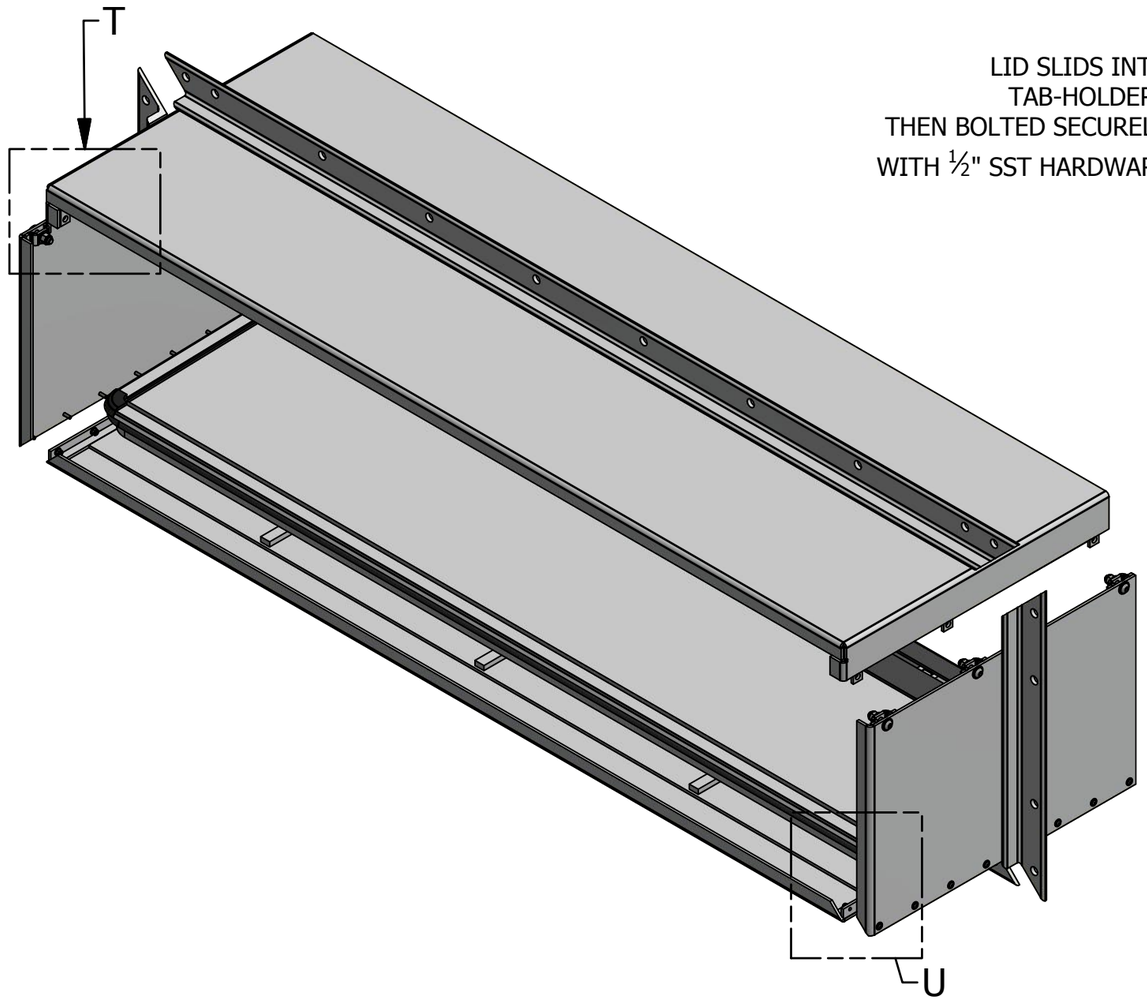
SECTION F-F

BOX AND FRAME DETAILS

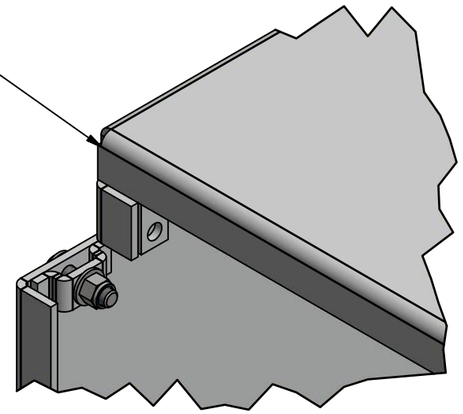
FloodBreak
REVOLUTIONARY FLOOD CONTROL

SAMPLE
Single Panel VSL UNIT
7'-5 1/2" x 2'-0" x 2'-5 3/4"

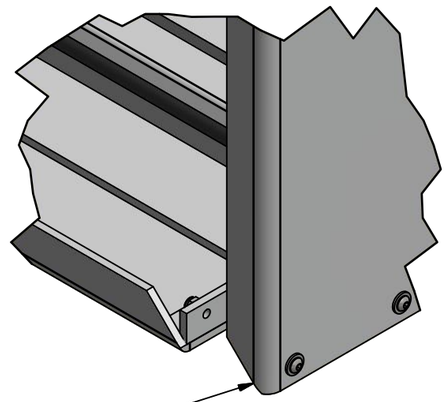
SCALE	VARIES
DRAWN	A. JOLLY
CHECKED	L. WATERS
DATE	9/19/2014
SHEET 3 OF 7	



LID SLIDS INTO
TAB-HOLDERS
THEN BOLTED SECURELY
WITH ½" SST HARDWARE



DETAIL T



SIDE PANELS BOLTED
TO LOWER PAN ANGLES
WITH ¼" SST HARDWARE

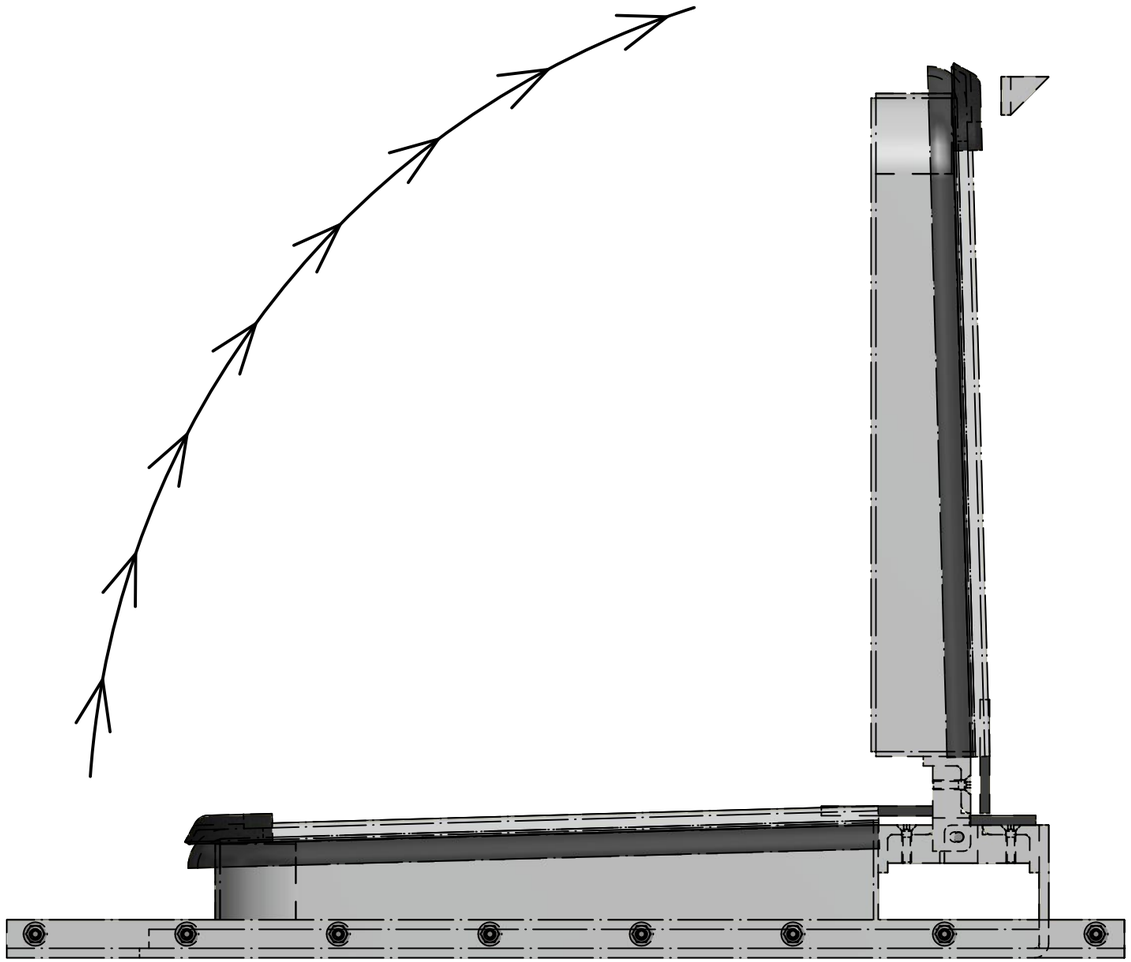
DETAIL U

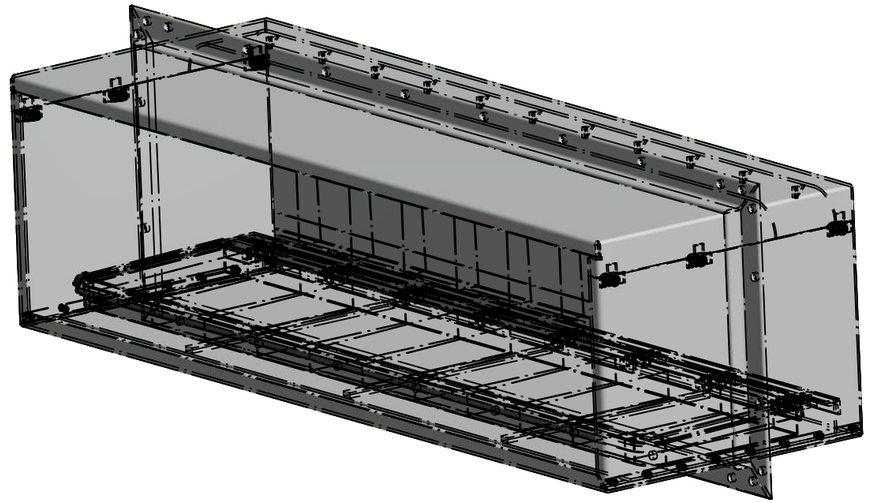
EXPLODED ISO VIEW OF BOX ASSEMBLY

FloodBreak
REVOLUTIONARY FLOOD CONTROL

SAMPLE
Single Panel VSL UNIT
7'-5 1/2" x 2'-0" x 2'-5 3/4"

SCALE	VARIES
DRAWN	A. JOLLY
CHECKED	L. WATERS
DATE	9/19/2014
SHEET 4 OF 7	





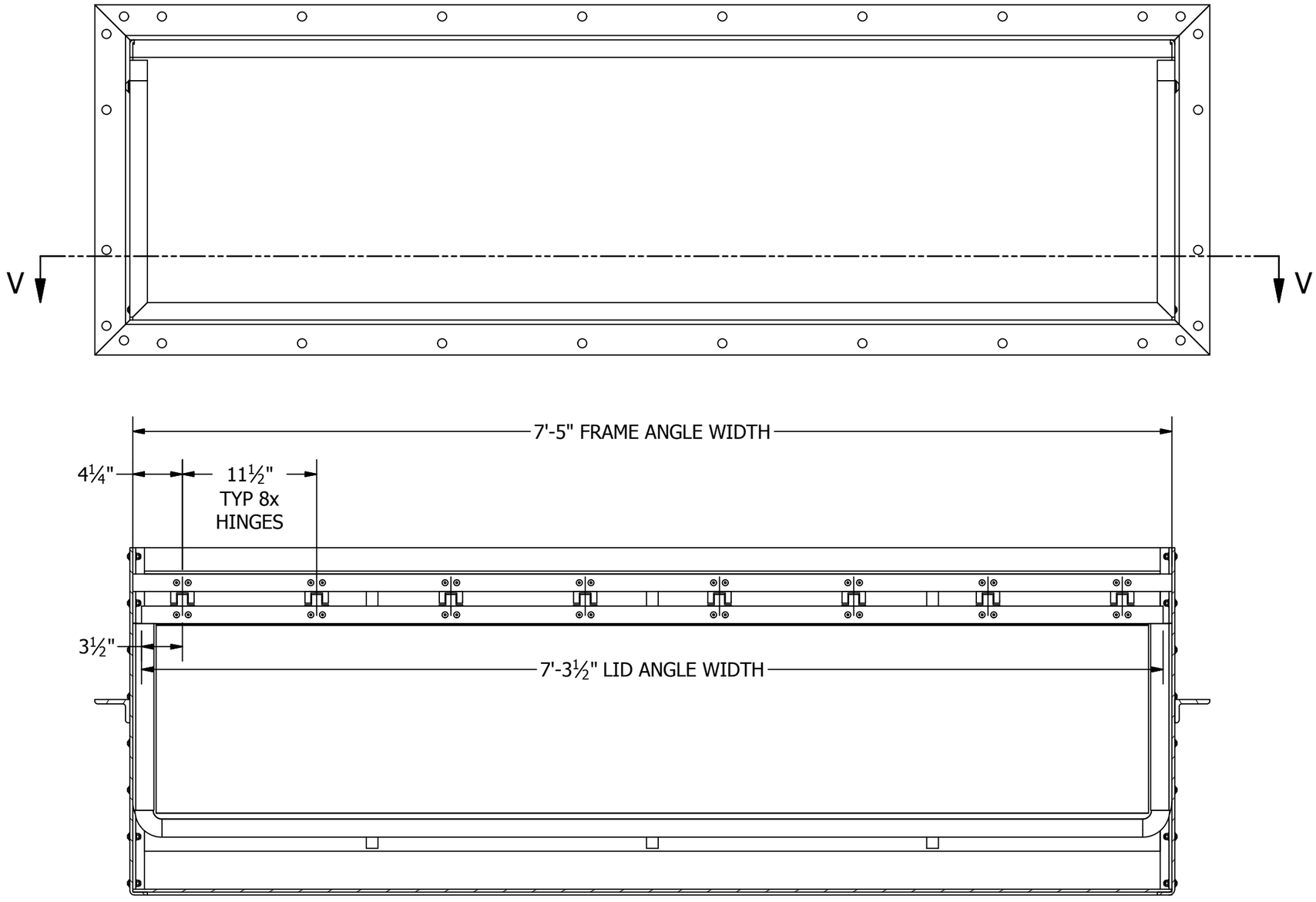
ISOMETRIC POSITIONAL REPRESENTATION OF
PANEL LID IN THE FLOW AND SEAL POSITIONS
(NOTE - LEFT LOUVER ASSY COMPONENTS REMOVED
FOR CLARITY PURPOSES)

SIDE VIEW OF LIFTING REPRESENTATION OF LOUVER PANELS

FloodBreak
REVOLUTIONARY FLOOD CONTROL

SAMPLE
Single Panel VSL UNIT
7'-5 1/2" x 2'-0" x 2'-5 3/4"

SCALE	VARIES
DRAWN	A. JOLLY
CHECKED	L. WATERS
DATE	9/19/2014
SHEET 5 OF 7	

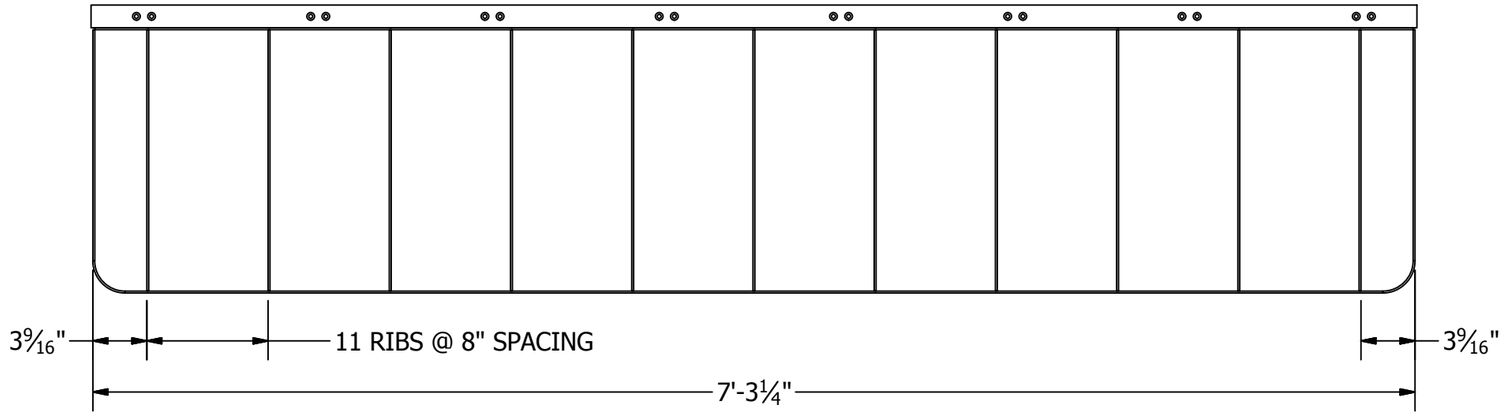


SECTION V-V
SCALE 1:10

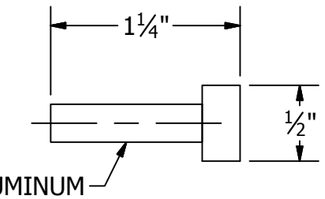
FloodBreak
REVOLUTIONARY FLOOD CONTROL

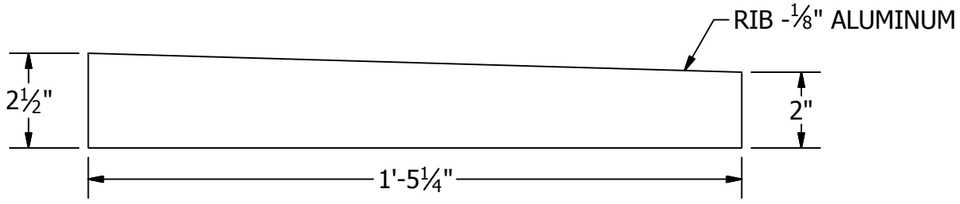
SAMPLE
Single Panel VSL UNIT
7'-5 1/2" x 2'-0" x 2'-5 3/4"

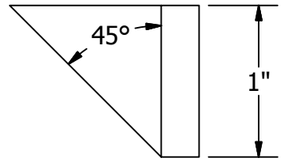
SCALE	VARIES
DRAWN	A. JOLLY
CHECKED	L. WATERS
DATE	9/19/2014
SHEET 6 OF 7	

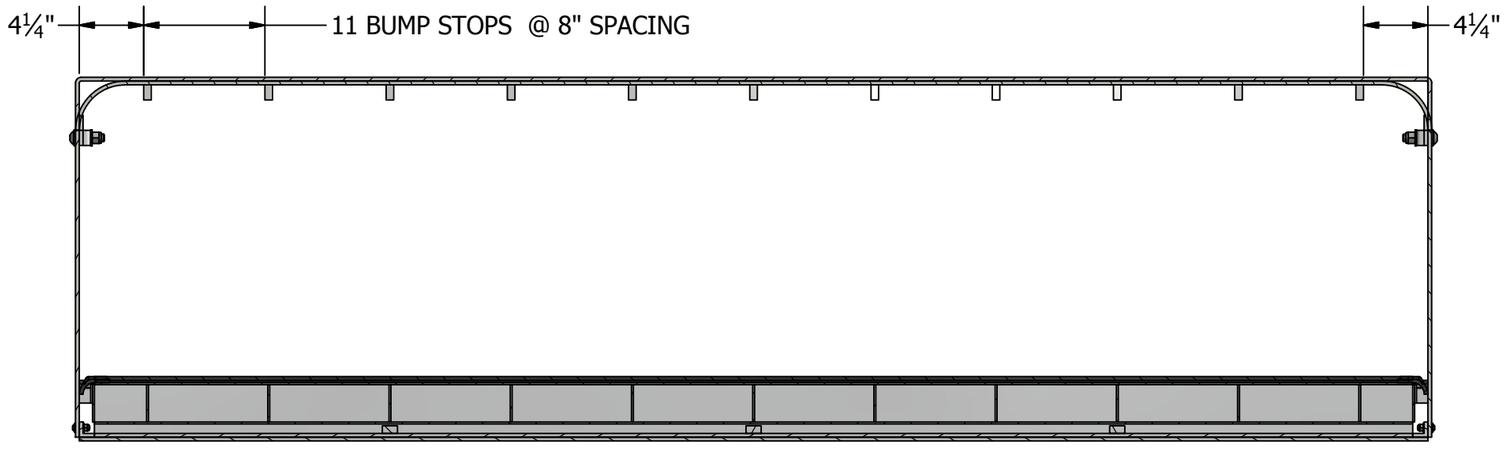


EXPOSDED VIEW OF LID PANEL RIBS









SECTION W-W

FloodBreak
REVOLUTIONARY FLOOD CONTROL

SAMPLE
Single Panel VSL UNIT
7'-5 1/2" x 2'-0" x 2'-5 3/4"

SCALE	VARIES
DRAWN	A. JOLLY
CHECKED	L. WATERS
DATE	9/19/2014
SHEET 7 OF 7	