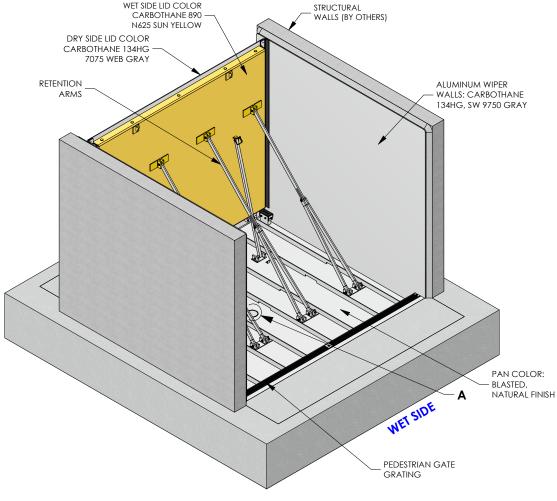
STRUCTURAL SPECIFICATIONS:

- 1. FLOODGATE MATERIAL TO BE ALUMINUM AS FOLLOWS:
- SMOOTH ALUM SHEET/PLATE GRADE 5052 MIN Fy=25.8 KSI AND GRADE 6061 MIN Fy=35 KSI
- AL FLAT BARS, ANGLES, CHANNELS AND HINGES GRADE 6061 MIN Fy=35 KSI
- 2. HINGE AND RETENTION PINS TO BE STAINLESS STEEL GRADE 304 Fy=50 KSI
- 3. BOLTS, FASTENERS AND ANCHORS TO BE STAINLESS STEEL GRADE 304 MIN Fy=30 KSI
- 4. ANCHOR BOLTS TO BE STAINLESS STEEL GRADE 304 SET IN HILTI 200 INJECTABLE, TWO-COMPONENT, HYBRID ADHESIVE APPLIED PER HILTI SPECS
- 5. ALUMINUM TO BE WELDED WITH ALUMINUM WIRE PER 4043 AWS A5.10
- 6. GROUT TO BE COMMERCIAL-GRADE NON-SHRINKING GROUT
- 7. ALL CONCRETE FOUNDATION POURS AND THEIR TIE-DOWNS TO EXISTING FOUNDATIONS SHOWN IN THESE DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY, DESIGN OF THE CONCRETE FOUNDATION SLABS IS BY OTHERS, DESIGN AND SUPERVISION OF INSTALLATION OF RETENTION ARMS, ANCHOR BOLTS, AND GATE ANCHORS ARE BY FLOODBREAK, ALL CONCRETE TO BE 4000 PSI MINIMUM 28-DAY STRENGTH. REINFORCED IN EACH DIRECTION WITH ASTM A615 MIN Fy=60 KSI.
 - SPECIAL ATTENTION SHALL BE TO PROPER SUPPORT OF RETENTION ARM ANCHOR BOLTS INTO THE SUPPORTING CONCRETE.
- 8. FLOODBREAK RECOMMENDS ALL ENCASING CONCRETE FILL TO BE MINIMUM 3500 PSI TO MEET HS-20/25 LOADING REQUIREMENTS. FINAL MIX DESIGN AND ANY REINFORCEMENT REQUIREMENTS SPECIFIED AND INSTALLED BY OTHERS.
- 9. ALL GASKET MATERIAL TO BE EPDM RUBBER.

10. WEIGHTS:

- LID WEIGHT: 367.9 LBS
- PAN WEIGHT: 493.8 LBS
- TOTAL WEIGHT: 1396.1 LBS
- 11. SLOPE: NONE
- 12. FEDERAL, STATE AND OTHER LOCAL BUILDING CODES/REGULATIONS INCLUDING BUT NOT LIMITED TO ACCESSIBILITY CODES AND REGULATIONS MAY APPLY. COMPLIANCE TO ANY AND ALL CODES, REGULATIONS AND GUIDELINES ARE BY OTHERS.





TYPICAL PEDESTRIAN GATE NOTE: LAYOUT, SIZE, AND DETAIL ARE GATE-SPECIFIC

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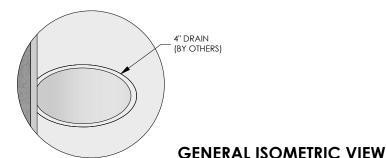
Flood Break REVOLUTIONARY FLOOD CONTROL

Example Drawing 7'-8" L x 6'-3" H

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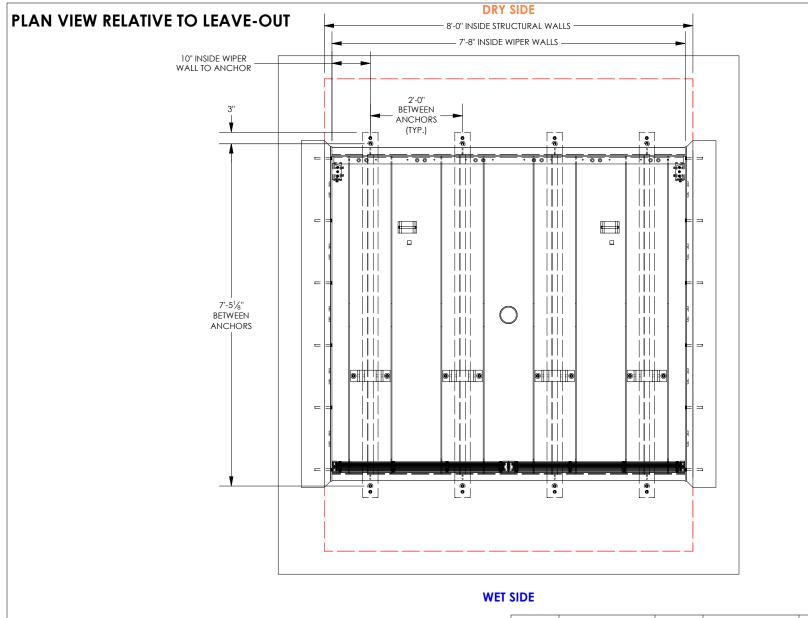
1 OF 15

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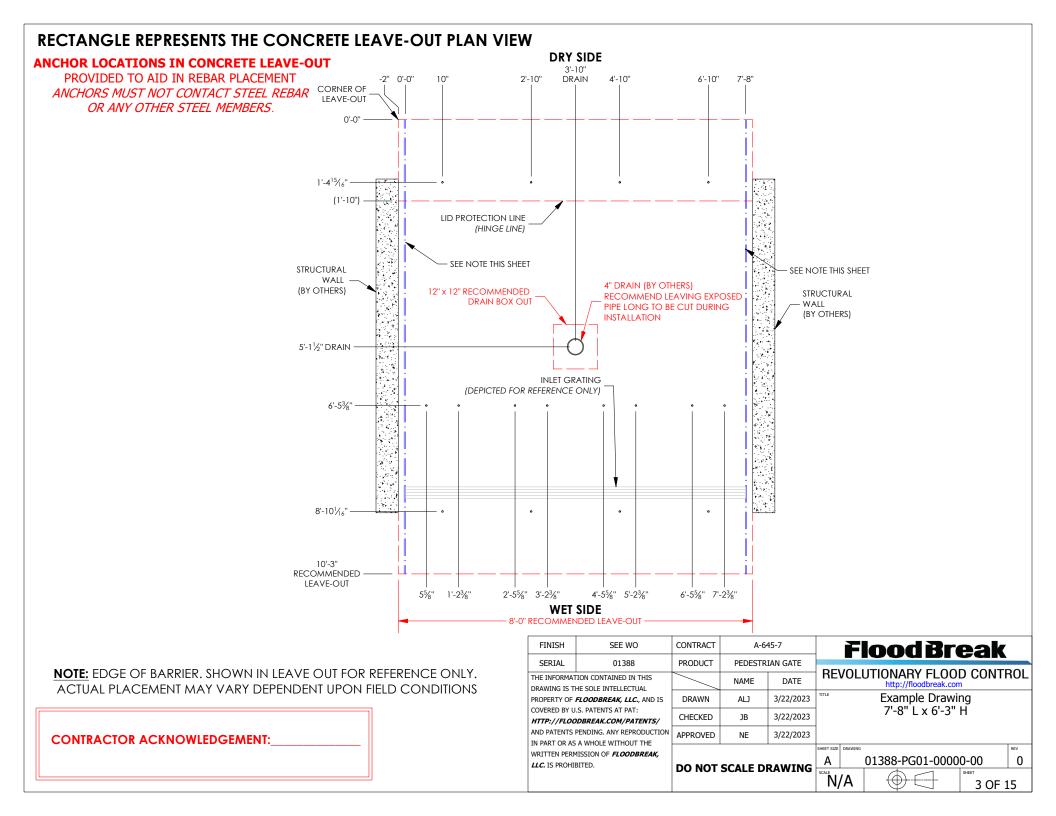
DETAIL A

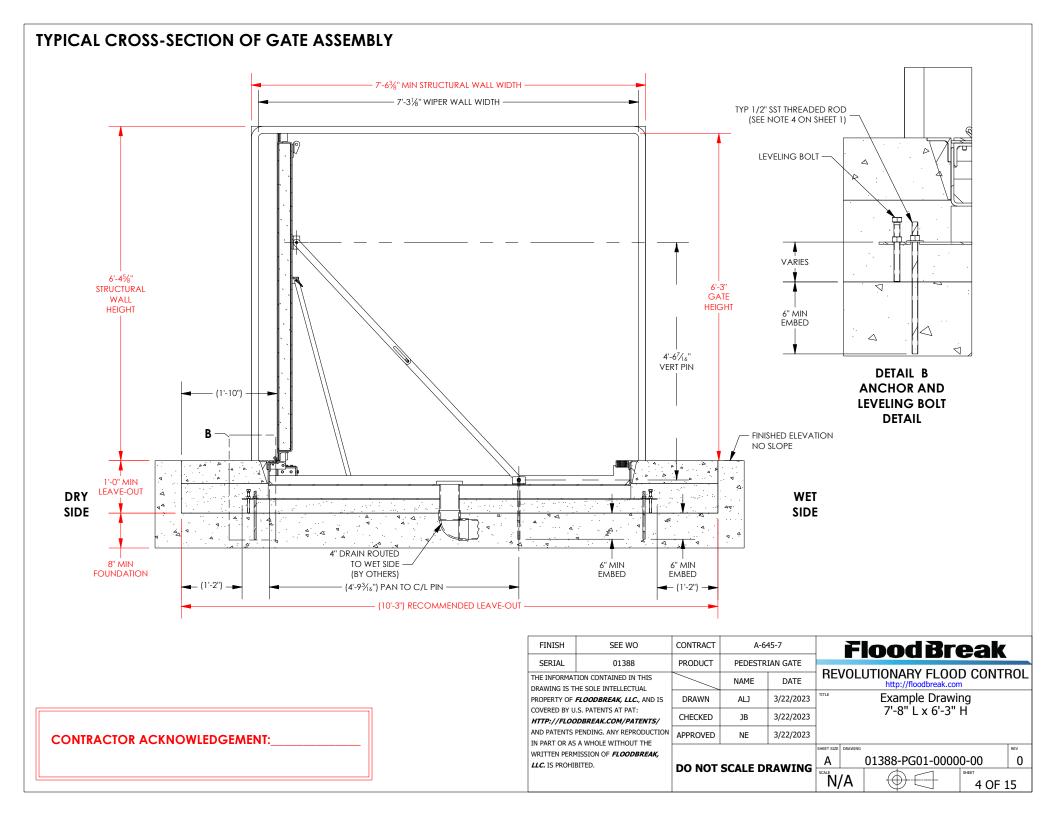
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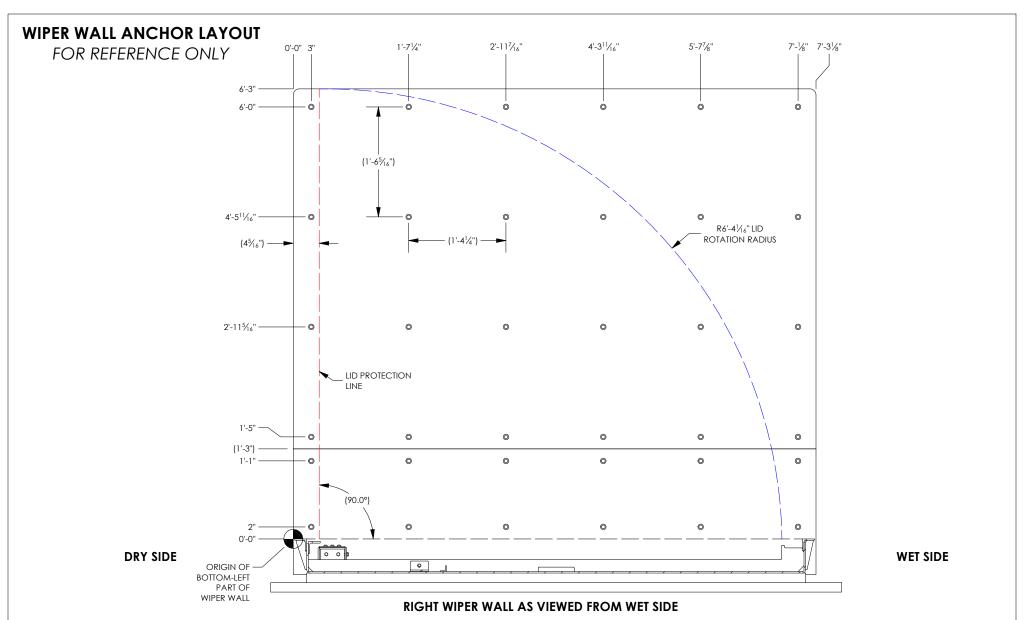


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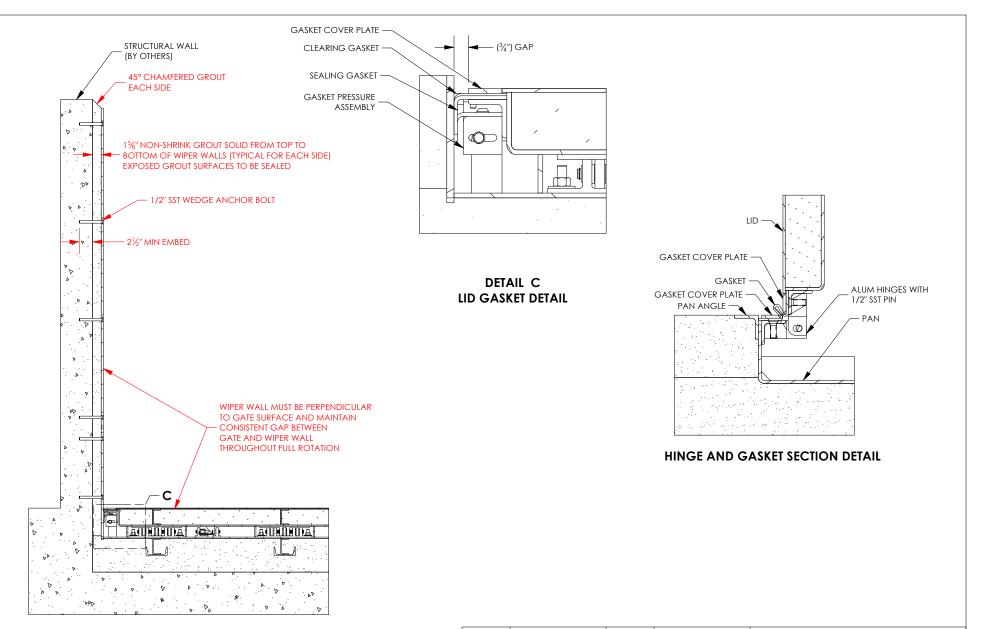


WIPER WALL ANCHOR LOCATIONS IN STRUCTURAL WALL

PROVIDED TO AID IN REBAR PLACEMENT ANCHORS MUST NOT CONTACT STEEL REBAR OR ANY OTHER STEEL MEMBERS.

CONTRACTOR ACKNOWLEDGEMENT:

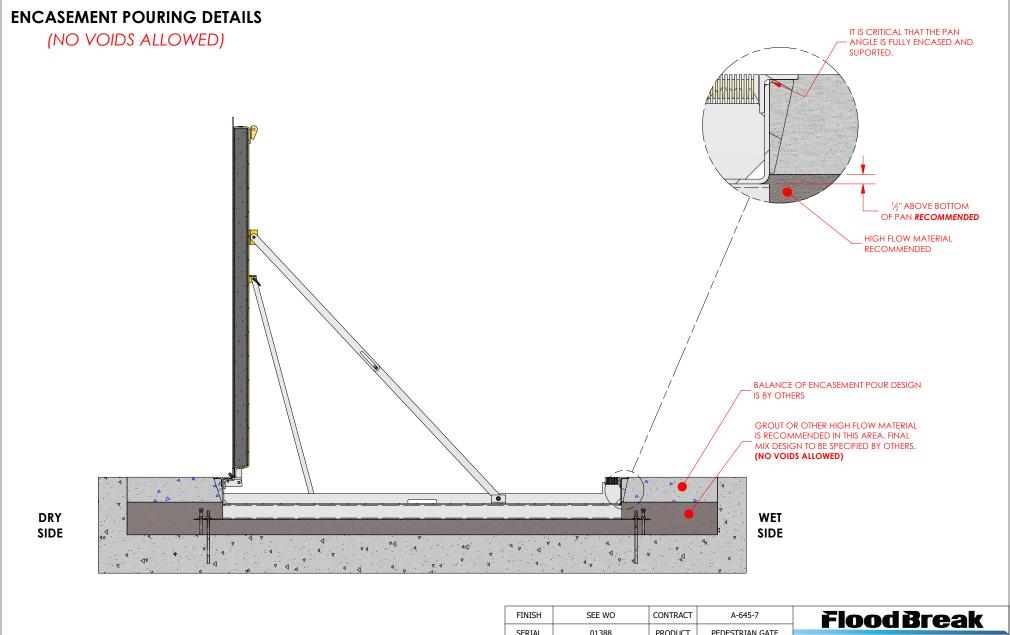
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LONGITUDINAL SECTION IN CLOSED POSITION
(VIEW FROM WET SIDE - CROPPED FOR CLARITY)

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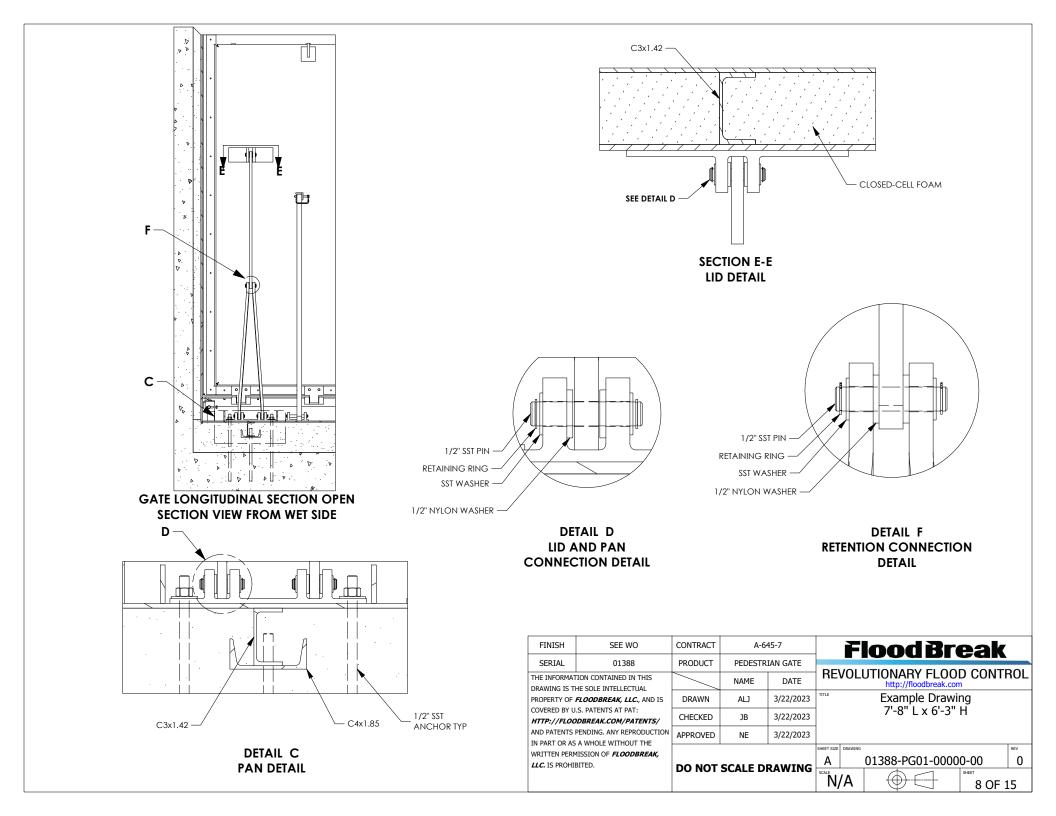
REVOLUTIONARY FLOOD CONTROL http://floodbreak.com

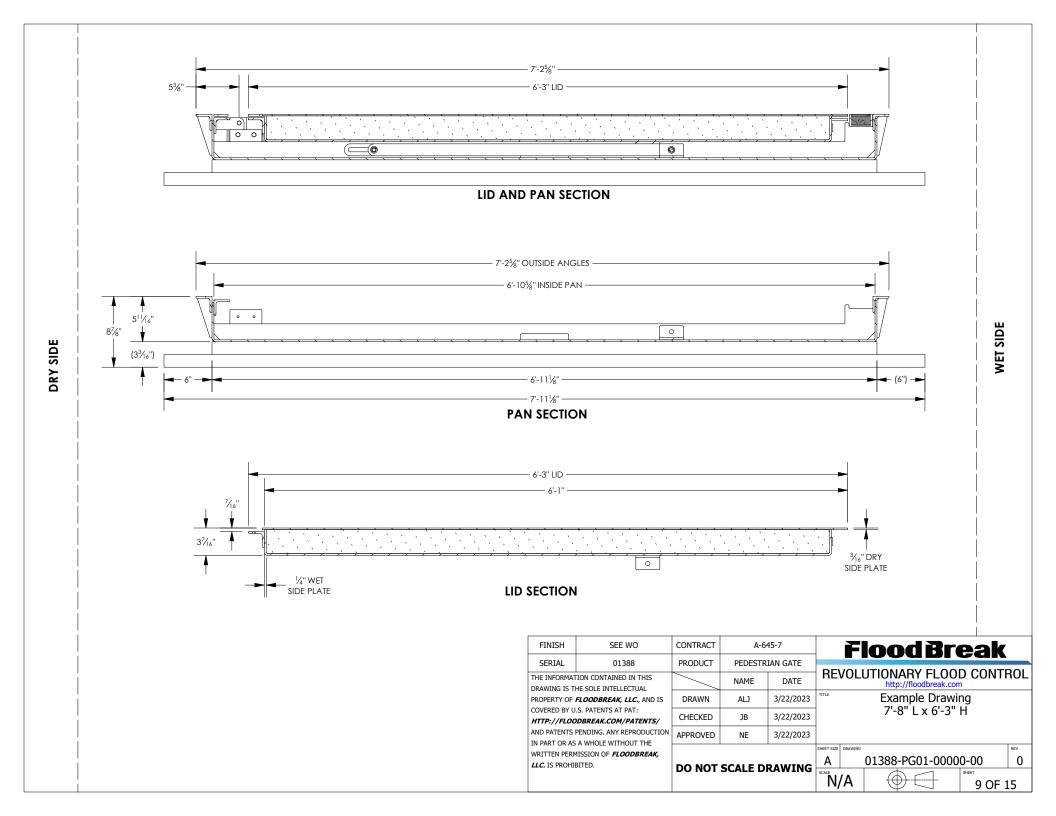
Example Drawing 7'-8" L x 6'-3" H

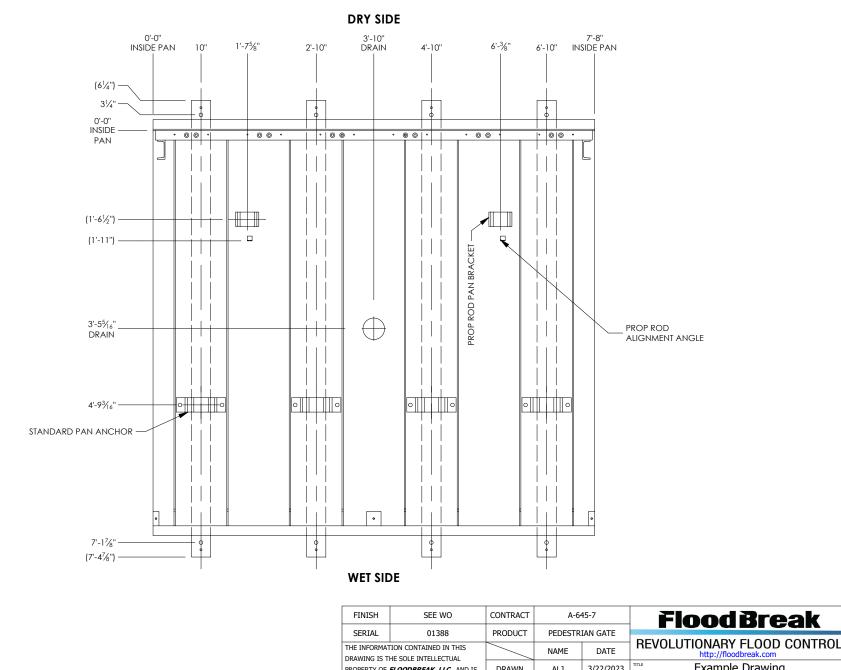
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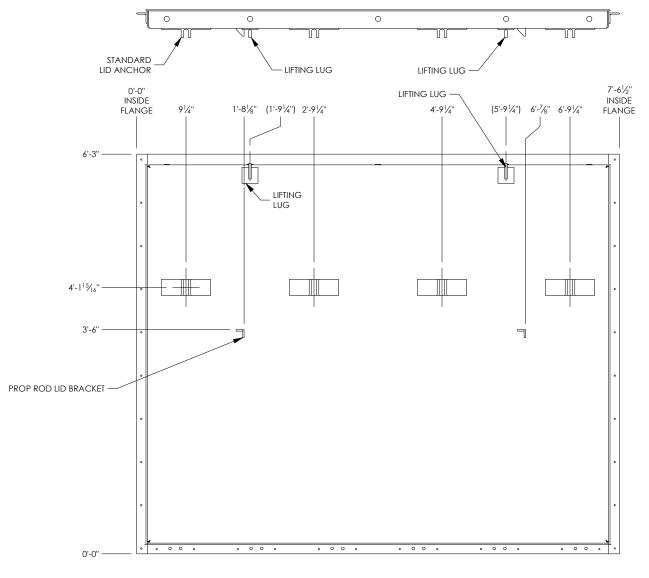






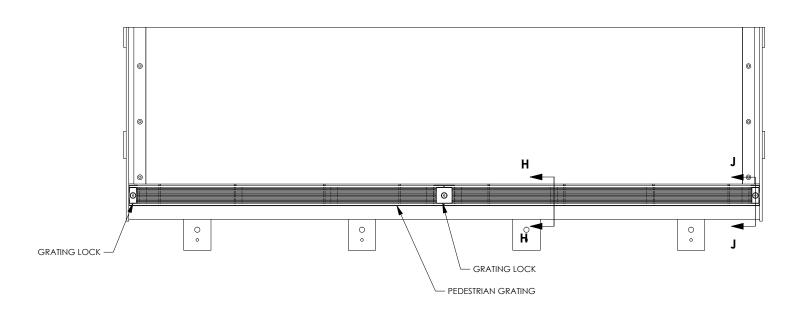
ASSEMBLED PAN AND ANCHOR LAYOUT

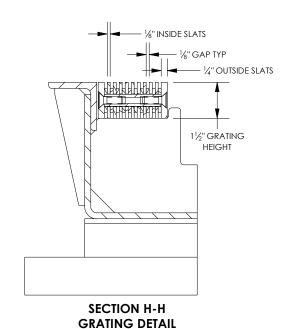
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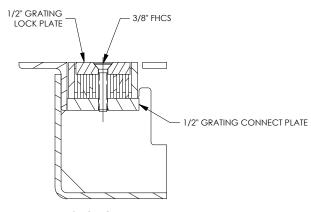
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ASSEMBLED LID AND ANCHOR LAYOUT



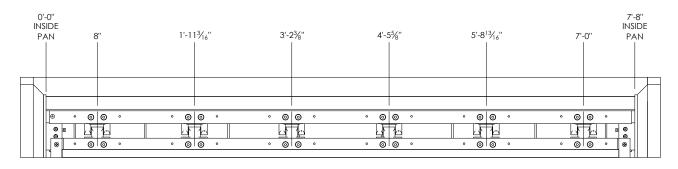


TYPICAL GRATING AND GRATING LOCK DETAILS

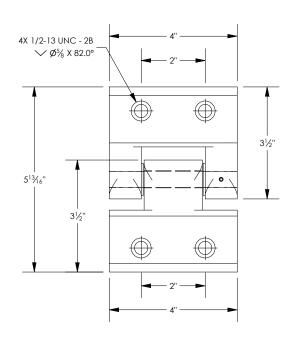


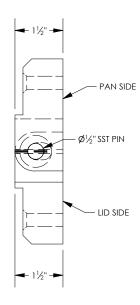
SECTION J-J GRATING LOCK DETAIL

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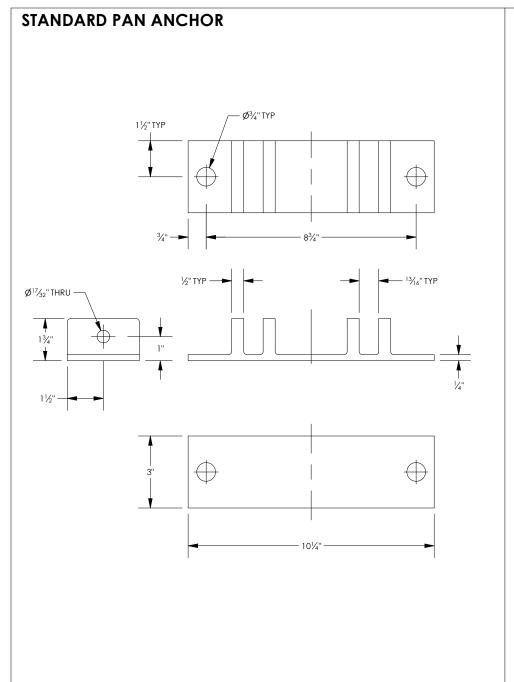
HINGE LAYOUT



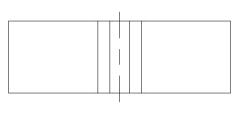


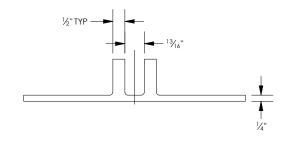
TYPICAL HINGE ASSY (6061 T6 ALUMINUM)

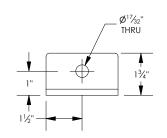
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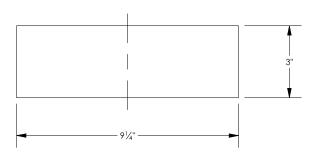


STANDARD LID ANCHOR









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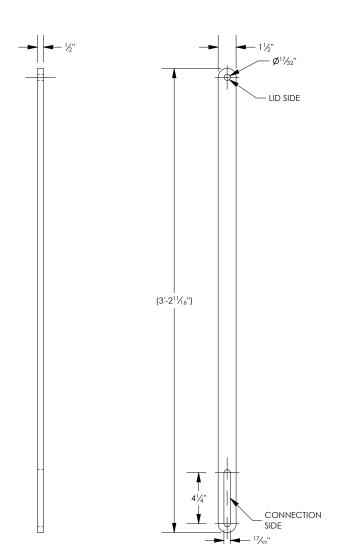
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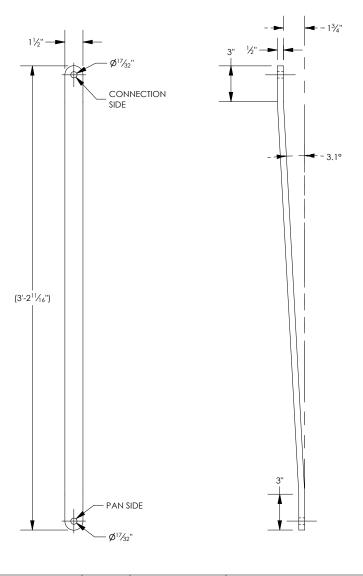
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Flood Break

RETENTION ARM-UPPER



RETENTION ARM-LOWER



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DO NOT SCALE DRAWING

Flood Break

REVOLUTIONARY FLOOD CONTROL http://floodbreak.com

Example Drawing 7'-8" L x 6'-3" H