

BONNEVILLE LOCK AND DAM ADULT FISH FACILITY IMPROVEMENTS

VALVE NO. 15 WEIR BOX

SUBMITTAL 01/28/13

STRUCTURAL STEEL:

Plate, bar and rolled shapes ASTM A36 Fy = 36 ksi

Wide flange and other shapes ASTM A992, grade 50

BOLTS:

Bolts ASTM A-307

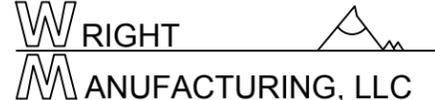
DRILLED CONCRETE ANCHORS:

Epoxy anchors HILTI-HIT RE-500 Adhesive ICC ESR-1682

WELDING

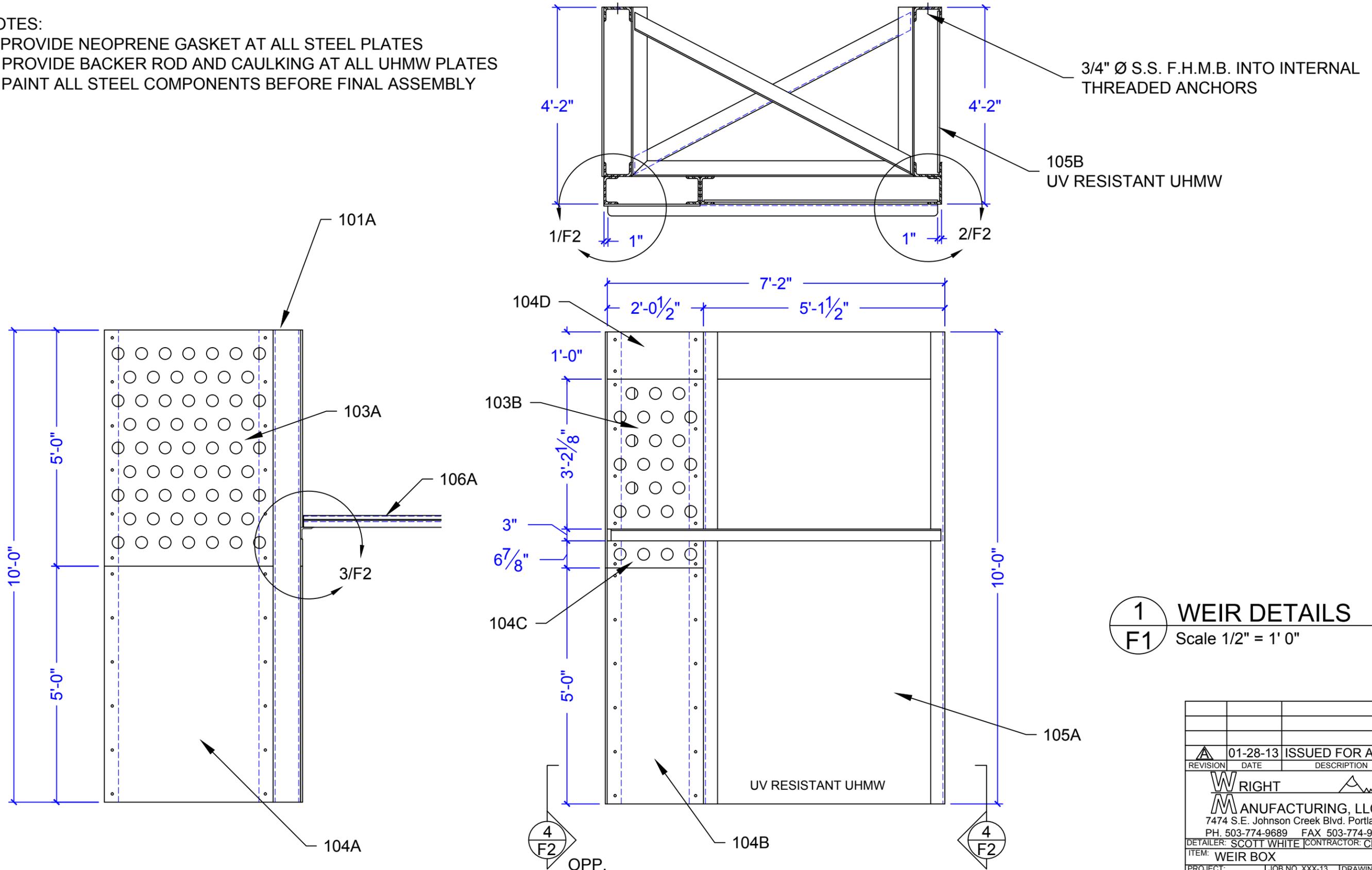
Welding shall conform to AWS D1.1 "structural welding code - steel"

Use E70XX 70 ksi electrodes


WRIGHT
MANUFACTURING, LLC
7474 S.E. Johnson Creek Blvd.
Portland, OR 97206
PH. 503-774-9689 FAX 503-774-9691

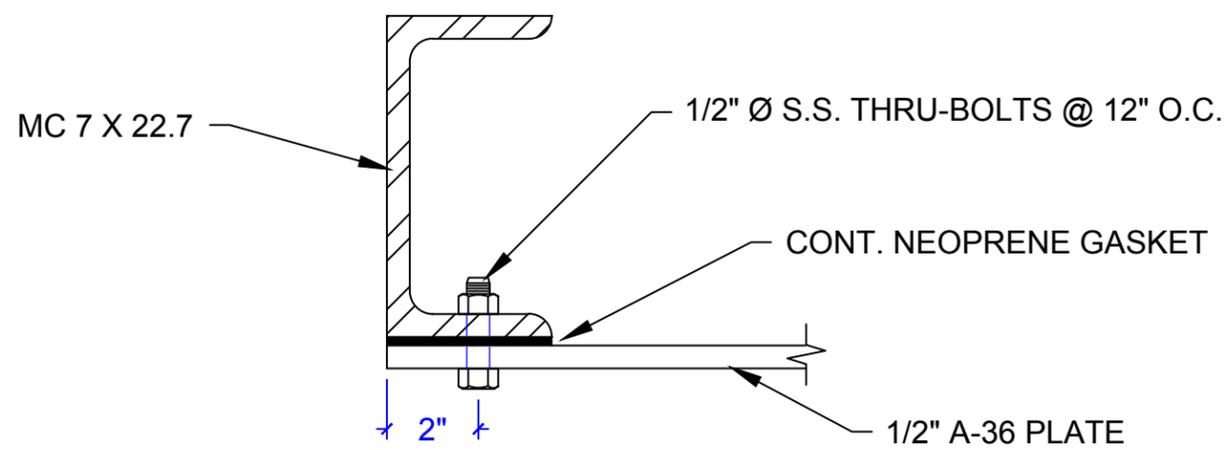
NOTES:

- 1) PROVIDE NEOPRENE GASKET AT ALL STEEL PLATES
- 2) PROVIDE BACKER ROD AND CAULKING AT ALL UHMW PLATES
- 3) PAINT ALL STEEL COMPONENTS BEFORE FINAL ASSEMBLY

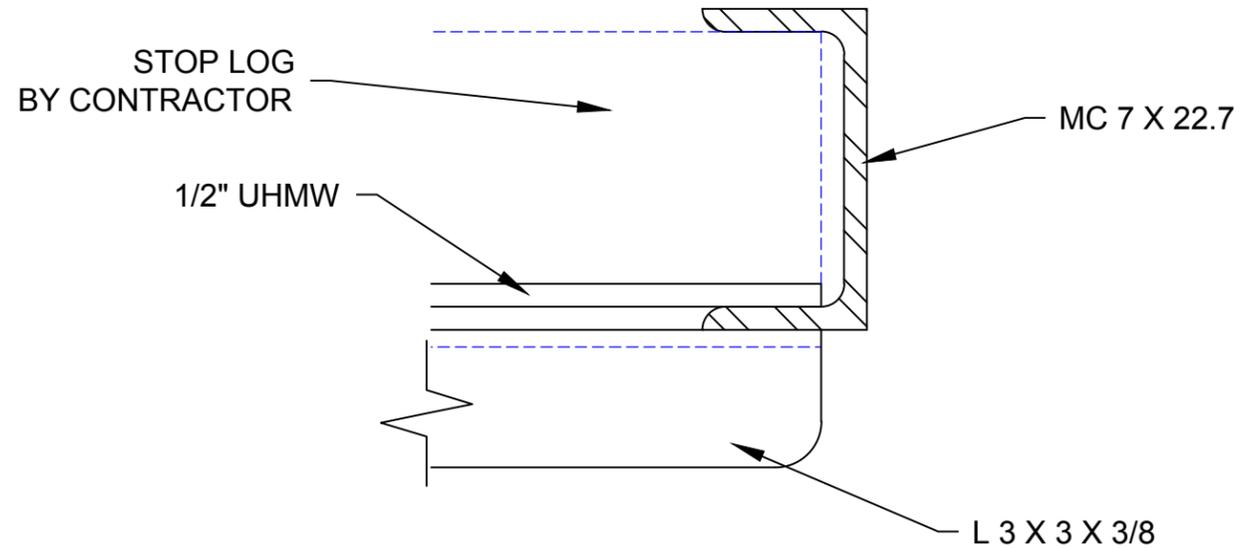


1 WEIR DETAILS
 F1 Scale 1/2" = 1' 0"

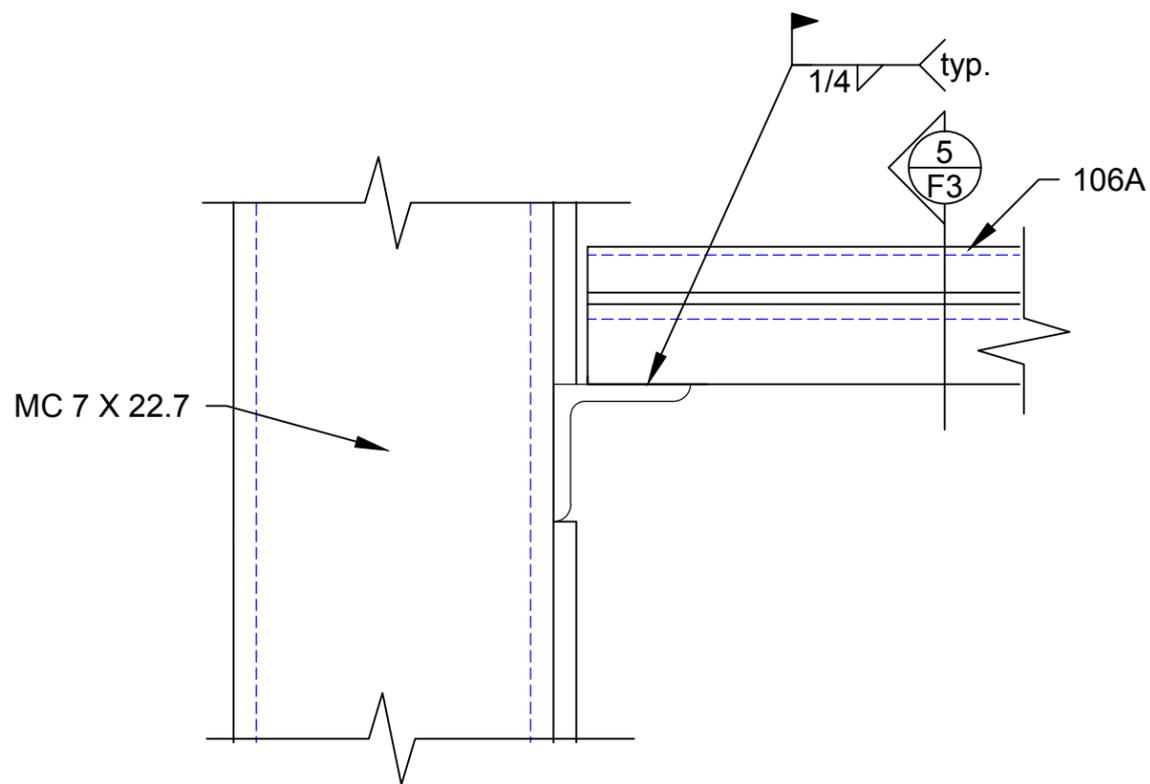
| | | |
|--|---------------------------------------|------------------------------|
| REVISION | DATE | DESCRIPTION |
| | | |
| | 01-28-13 | ISSUED FOR APPROVAL |
| | | |
| WRIGHT MANUFACTURING, LLC 7474 S.E. Johnson Creek Blvd. Portland, OR 97206 PH. 503-774-9689 FAX 503-774-9691 DETAILER: SCOTT WHITE CONTRACTOR: CLOUD | | |
| ITEM: | WEIR BOX | REF. M-005 |
| PROJECT: | BONNEVILLE DAM ADULT FISH FACILITY | DRAWING NO. F1 REV. NO. 0 |



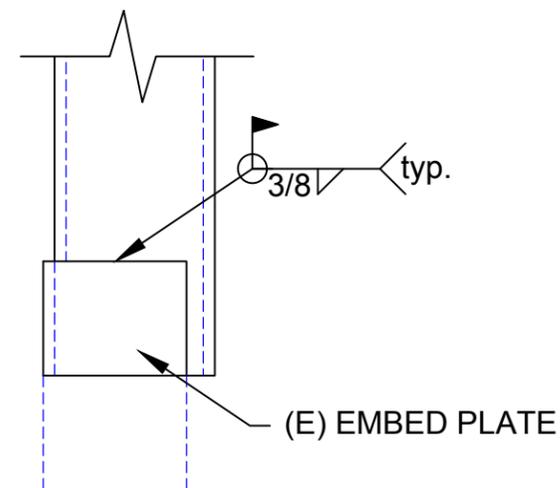
1 WEIR DETAILS
F2 Scale 1-1/2" = 1' 0"



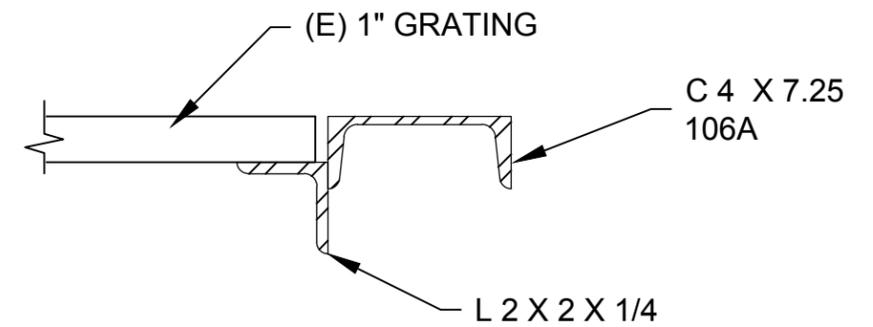
2 WEIR DETAILS
F2 Scale 1-1/2" = 1' 0"



3 WEIR DETAILS
F2 Scale 1-1/2" = 1' 0"

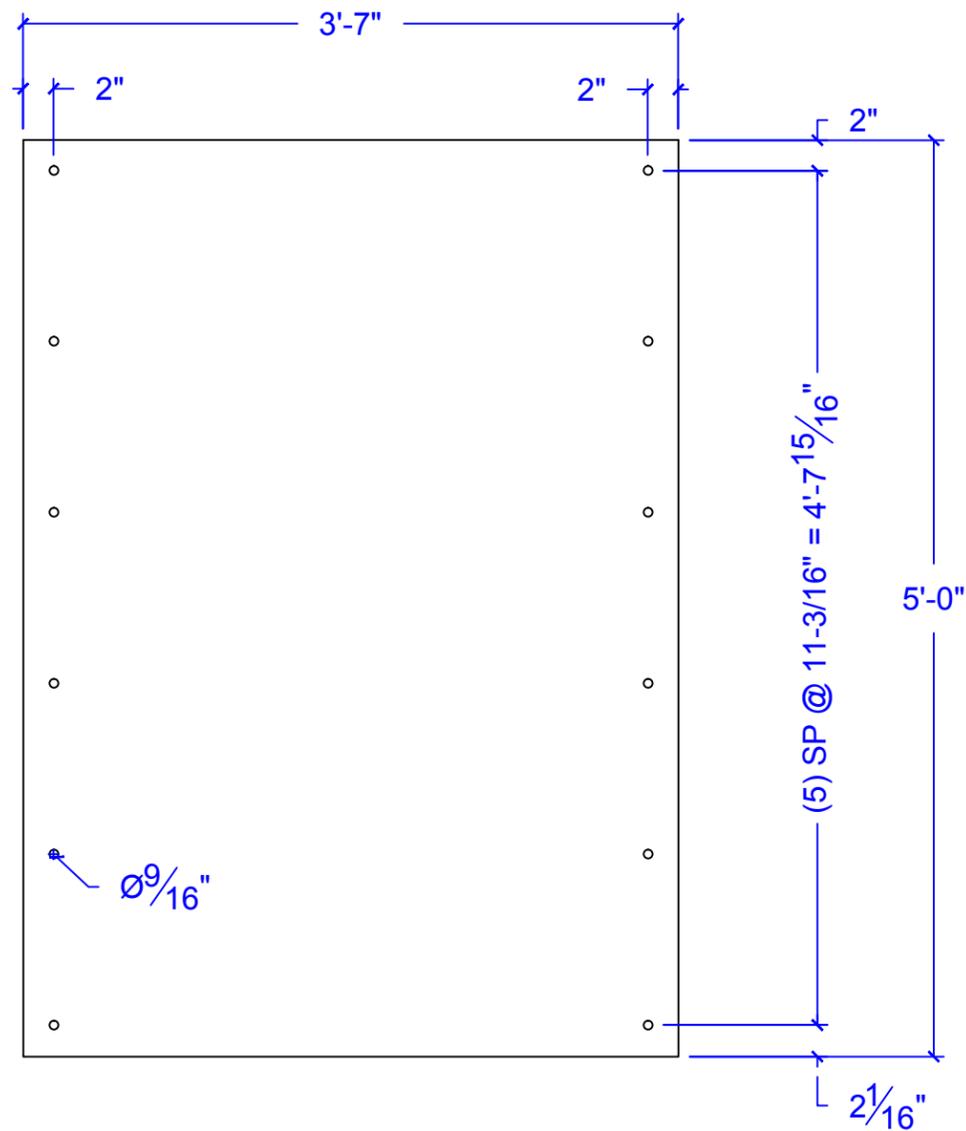


4 WEIR DETAILS
F2 Scale 1-1/2" = 1' 0"



5 WEIR DETAILS
F2 Scale 1-1/2" = 1' 0"

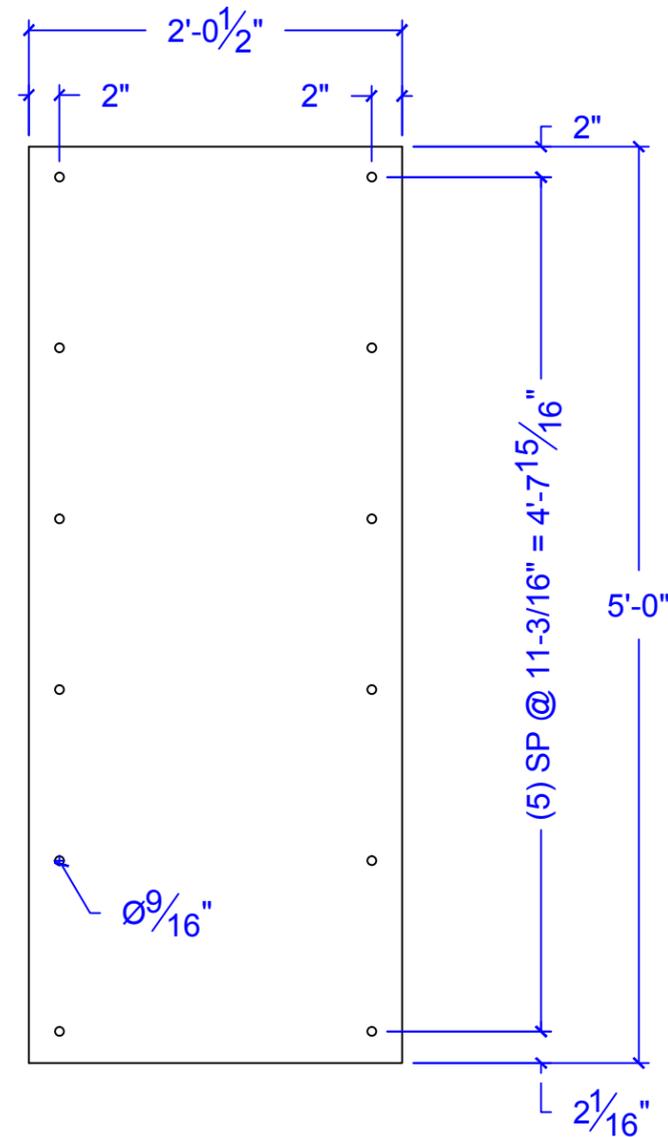
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| ITEM: WEIR BOX | | REF. M-005 |
| PROJECT: BONNEVILLE DAM ADULT FISH FACILITY | JOB NO. XXX-13 DRAWING NO. F2 | REV NO. 0 |



ONE REQ'D. 104A

Scale 1" = 1' 0"

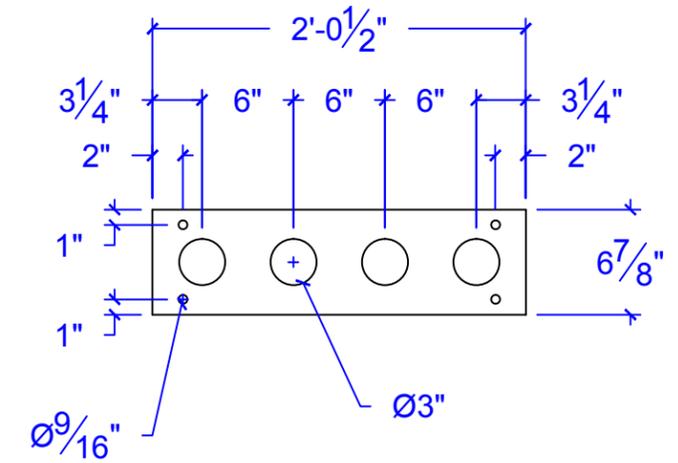
1/2" A-36 PLATE



ONE REQ'D. 104B

Scale 1" = 1' 0"

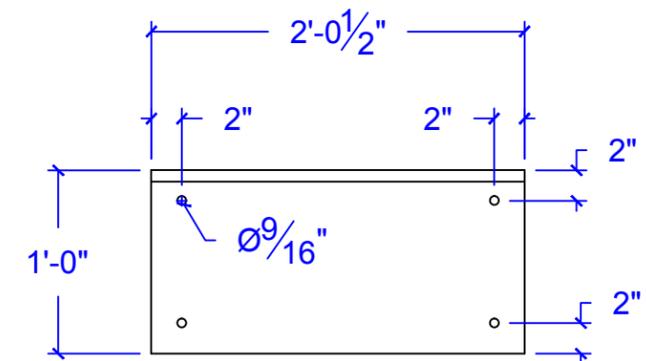
1/2" A-36 PLATE



ONE REQ'D. 104C

Scale 1" = 1' 0"

1/2" A-36 PLATE



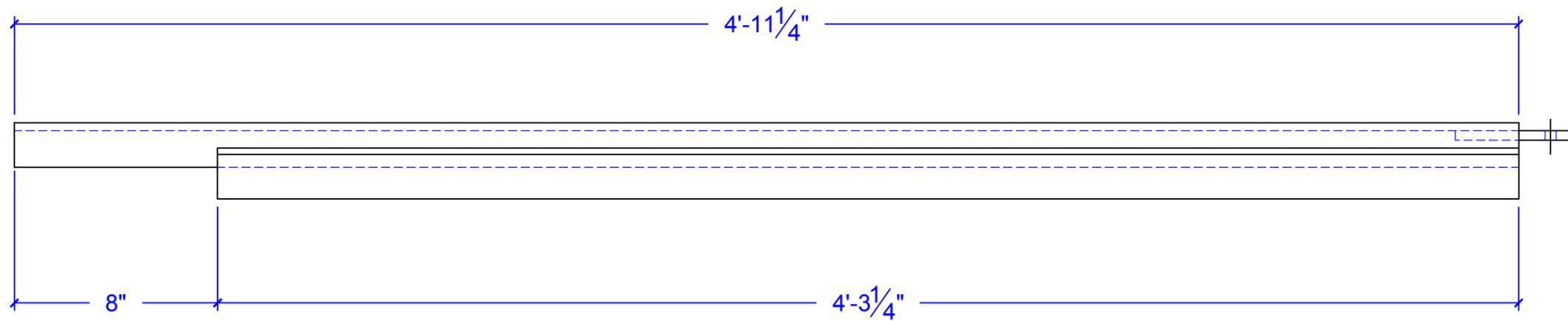
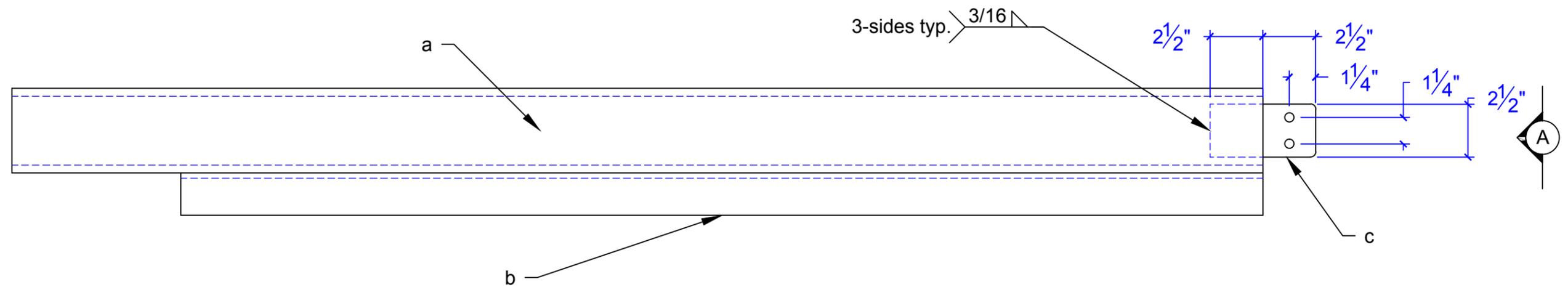
ONE REQ'D. 104D

Scale 1" = 1' 0"

1/2" A-36 PLATE

- BOLTS:**
 (32) 1/2-13 S.S. BOLTS X 2"
 (32) 1/2-13 HEX NUTS
 (64) 1/2" FLAT WASHERS

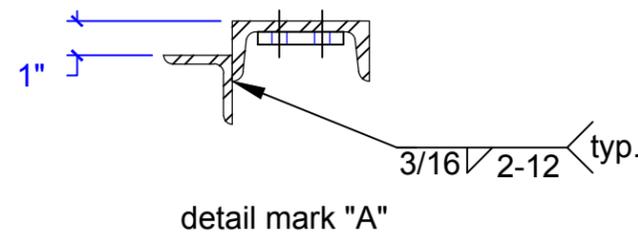
| | | |
|--|---------------------------------------|---------------------|
| HOLES | | WELDS E70XX |
| FINISH: | BARE (paint by others) | |
| MATERIAL: | 1/2" A-36 PLATE | |
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| ITEM: | WEIR PLATES | REF. M-002 |
| PROJECT: | BONNEVILLE DAM ADULT FISH FACILITY | DRAWING NO. 104 |



ONE REQ'D. 106A

Scale 2-1/4" = 1' 0"

| BILL OF MATERIAL | | | | | |
|------------------|------|------------------|------|--------|-------------|
| Mark | Qty. | Description | Feet | Inches | Remarks |
| 106A | | | | | |
| a | 1 | C 4 x 7.25 | 4 | 11-1/4 | |
| b | 1 | L 2 x 2 x 1/4 | 4 | 3-1/4 | |
| c | 1 | PL 3/8 x 2-1/2 | 0 | 5 | 7/16" holes |
| f-bolt | 4 | 3/8" Ø S.S. bolt | 0 | 1-1/2 | w/n&w |



| | | | |
|--|------------------------|---------------------|-------|
| HOLES | | WELDS | E70XX |
| FINISH: | BARE | | |
| MATERIAL: | 1/2" UV RESISTANT UHMW | | |
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| DETAILER: SCOTT WHITE | | CONTRACTOR: CLOUD | |
| ITEM: | WEIR PLATES | REF. | M-002 |
| PROJECT: | BONNEVILLE DAM | DRAWING NO. | 106 |
| | ADULT FISH FACILITY | | 0 |