

Plate Type Fabrication Summary Required For Plates to be Government Plate Kind This Project **Furnished Plate** fabricated 15 15 15 20 20 20 20 30 50 0

US Army Corps of Engineers® PORTLAND DISTRICT

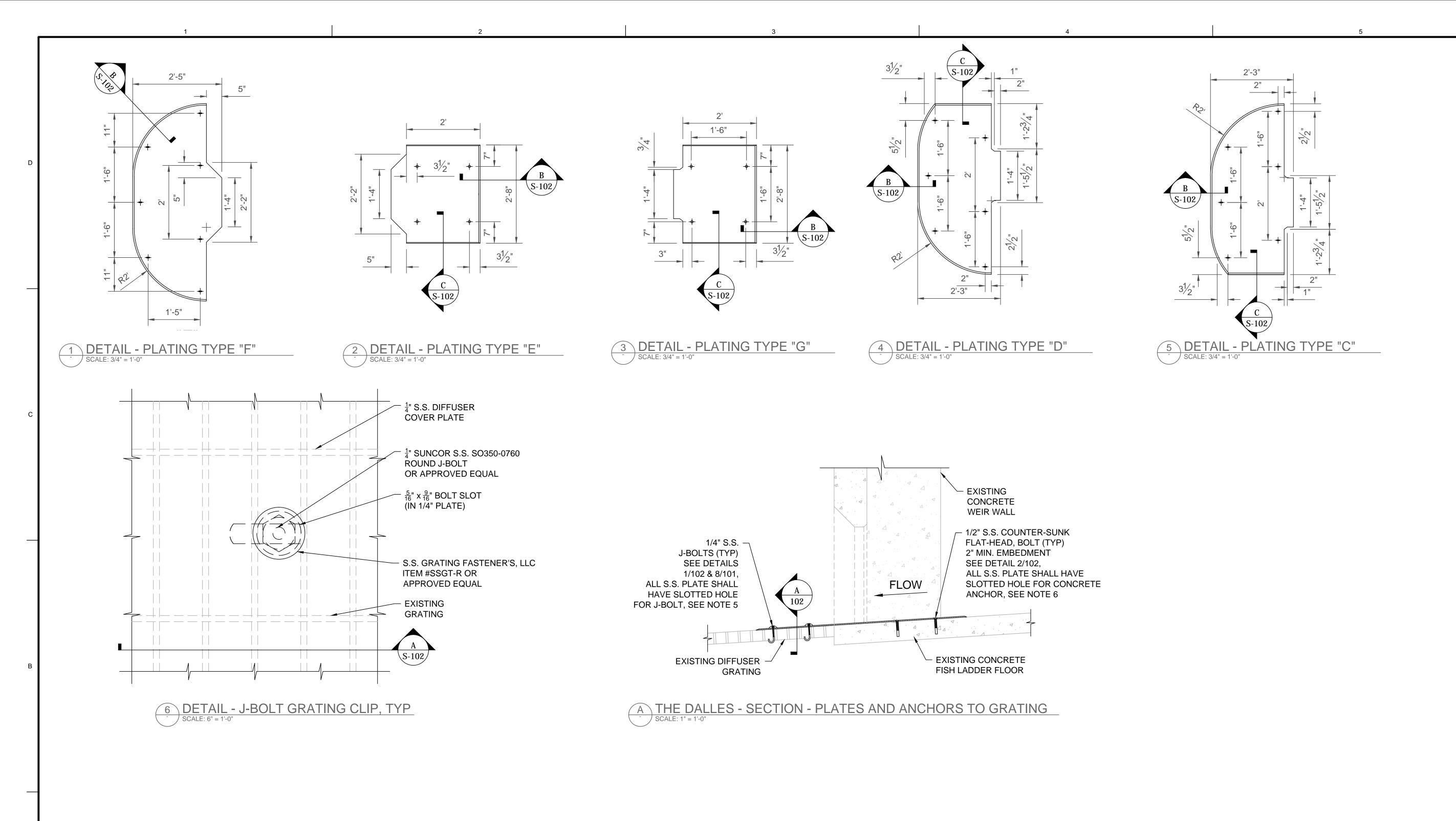
BONNEVILLE LOCK AND DAM FISHWAY ENTRANCE AMPREY PASSAGE MODIFICATION

SHEET IDENTIFICATION
S-001
SHEET 0 OF 0

NOTE:

GOVERNMENT FURNISHED PLATES WILL BE DELIVERED TO THE WORK AREA, REFER TO SPEC SECTION XXX FOR MORE DETAILS.

(GRATING AND PLATES NOT SHOWN FOR CLARITY)



NOTES:

1. DIFFUSER COMPONENTS AND APPURTENANCES ONLY PARTIALLY SHOWN FOR CLARIFY

2. GRIND ALL EXPOSED CORNERS AND SHARP EDGES SMOOTH. SEE METALS SPECIFICATION FOR MORE INFORMATION.

3. THE EXISTING DIFFUSER COVER PLATES SHALL BE REPLACED AND INSTALLED WITH NEW DIFFUSER PLATING AS SHOWN. REFER TO INFORMATIONAL DRAWINGS FOR MORE DETAIL

4. THE CONTRACTOR SHALL APPLY DEVOE BAR-RUST TM235 EPOXY OR APPROVED EQUAL TO ALL SURFACES AND UNDERSIDE OF STAINLESS PLATING WHERE NEW STAINLESS STEEL

DIFFUSER PLATING AND ASSOCIATED FASTENERS COME INTO DIRECT CONTACT WITH EXISTING METALS. EPOXY COATING SHALL APPLIED PER MANUFACTURE'S INSTRUCTIONS AND NOT ON

THE EXISTING GRATING SURFACE.

5. USE SO350-0760 SUNCOR STAINLESS ROUND J-BOLTS, NUTS, AND GRATING CLIPS SHALL ALL BE AISI 300 SERIES STAINLESS STEEL (ALL FASTENER'S AND RELATED HARDWARE) OR APPROVED EQUAL. ALL J-BOLTS SLOTS SHALL BE 5/16" x 9/16" WITH LONG-SIDE ORIENTED PARALLEL TO THE FLOW DIRECTION.

6. SECURE DIFFUSER COVER PLATES TO CONCRETE FISHWAY FLOOR WITH 1/2" ROUND AISI 304 S.S. COUNTER SUNK FLAT-HEAD, MAX SPACING: 18" AND HILTI HDI S.S. DROP IN ANCHOR OR

APPROVED EQUAL. ALL COUNTER SUNK FLAT-HEAD SLOTS SHALL BE 9/16"x11/16".

7. POSITION AND EDGE DISTANCE OF J-BOLTS MAY VARY TO ACCOMMODATE EXISTING DIFFUSER GRATING GEOMETRY. FIELD REAMING OF HOLES MAY BE REQUIRED.

8. ORIFICE PLATING TO BE CUT FROM FULL SIZE PLATE. NO SPLICING OF S.S. PLATE IS ALLOWED. DIMENSIONS SHOWN PROVIDE A 1/4" GAP BETWEEN THE PLATE AND THE DIMENSIONS

SHOWN ON THE EXISTING DRAWINGS. CONTRACTOR SHALL INFORM THE GOVERNMENT OF NECESSARY PLATE MODIFICATIONS AS FIELD FITTING MAY BE REQUIRED.

9. WHEN PLATES ARE IN CONTACT WITH CONCRETE, USE DETAIL 2/102 FOR CONNECTION.

10. ALL PLATING SHALL BE 1/4" THICK S.S., UNLESS OTHERWISE NOTED.

11. IT IS ACCEPTABLE TO SHIM FISH LADDER CONCRETE FLOOR TO HAVE A SMOOTH SURFACE TO INSTALL THE PLATES.

12. ALL ORIFICE PLATES SHALL BE INSTALLED WITH NO GAP UP TO A MAXIMUM OF 1/4" AT THE ORIFICE CENTERLINE. ALL THE CENTERLINE JOINTS AND GAP BETWEEN THE ORIFICE WALL AND

PLATE SHALL BE FILLED WITH SPLASH ZONE EPOXY OR APPROVED EQUAL.

13. MINIMUM EDGE DISTANCE OF 2 INCHES TO THE PLATE IS REQUIRED FOR ALL BOLT FASTENER'S UNLESS OTHERWISE NOTED.

14. THE EXPOSED HEAD OF J-BOLTS SHALL BE COVER WITH SPLASH ZONE EPOXY OR APPROVED EQUAL

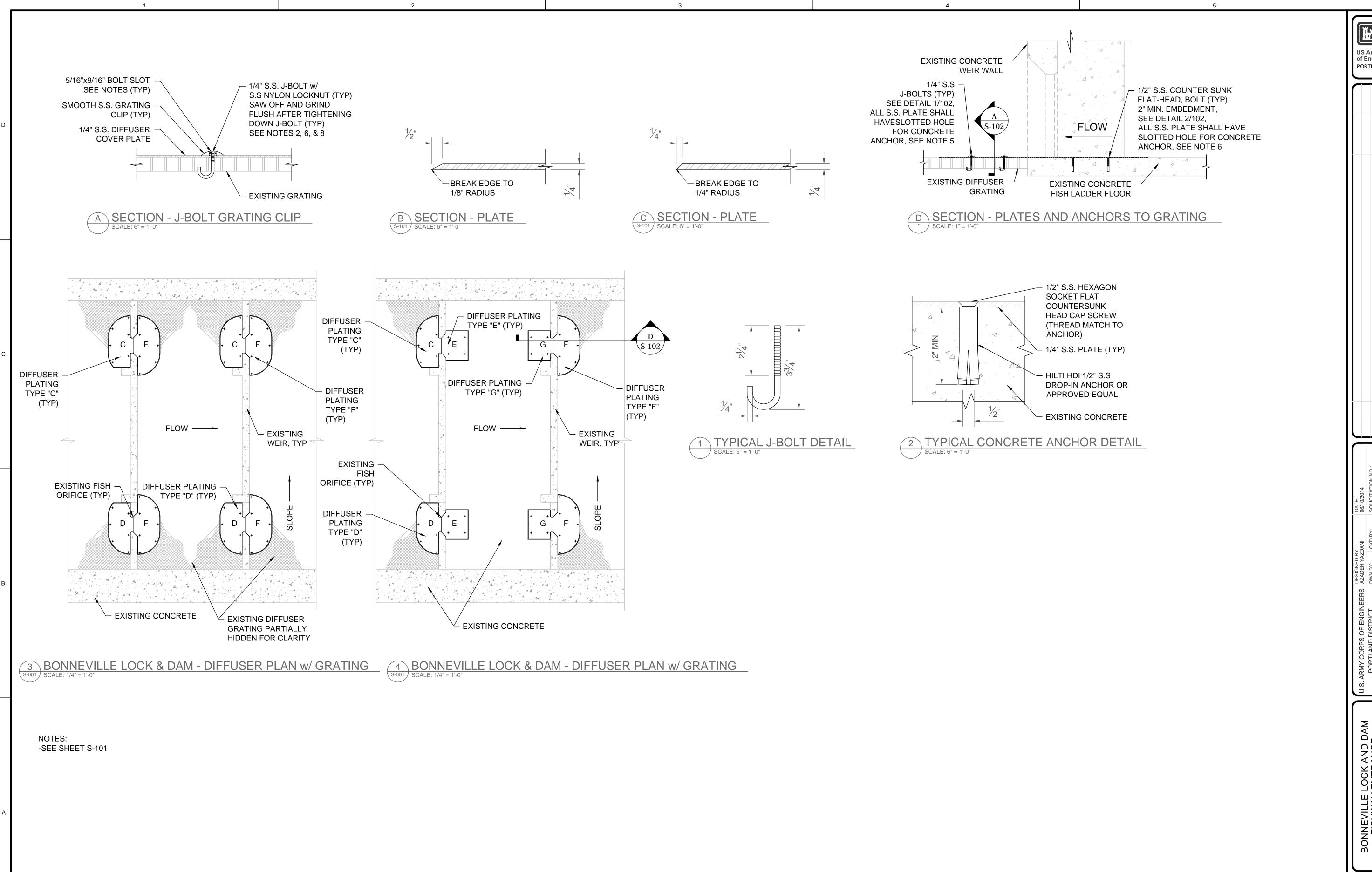
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BONNEVILLE LOCK AND DAM FISHWAY ENTRANCE MPREY PASSAGE MODIFICATION

SHEET IDENTIFICATION S-101

BORDER VERSION UPDAT



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SHEET IDENTIFICATION S-102