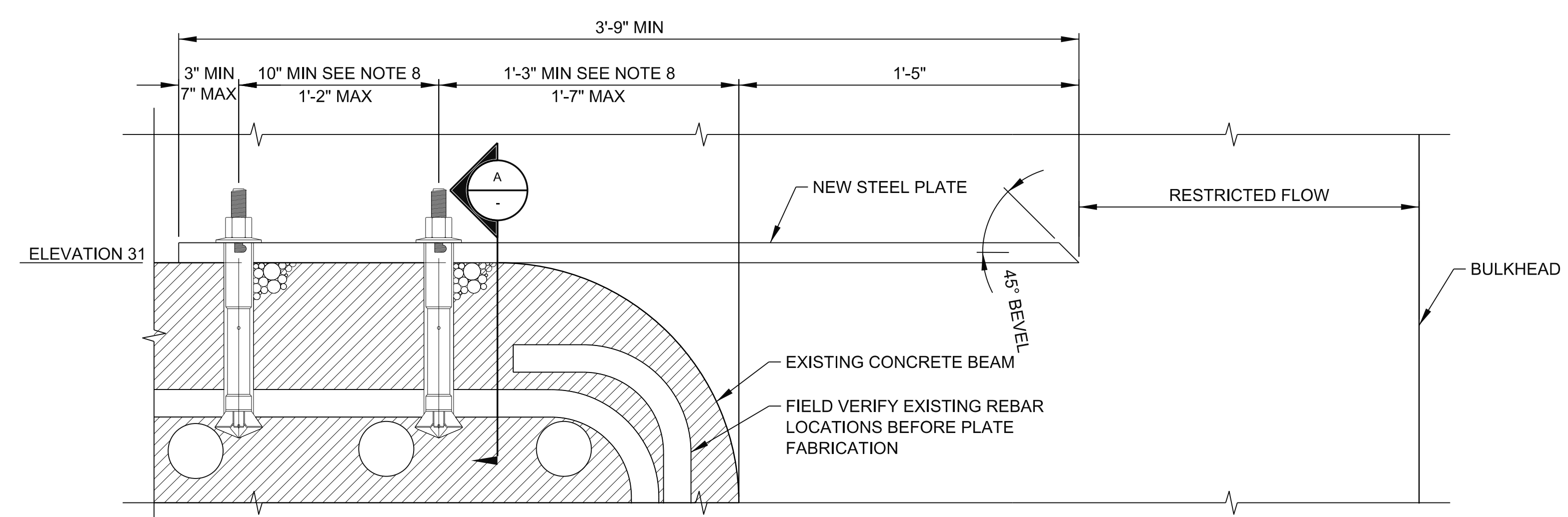
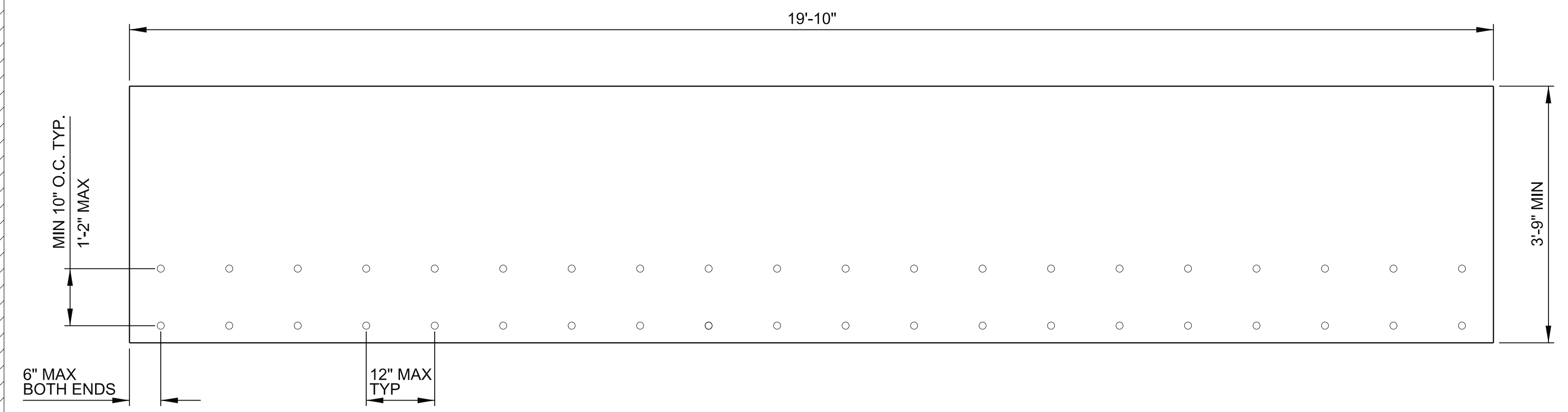


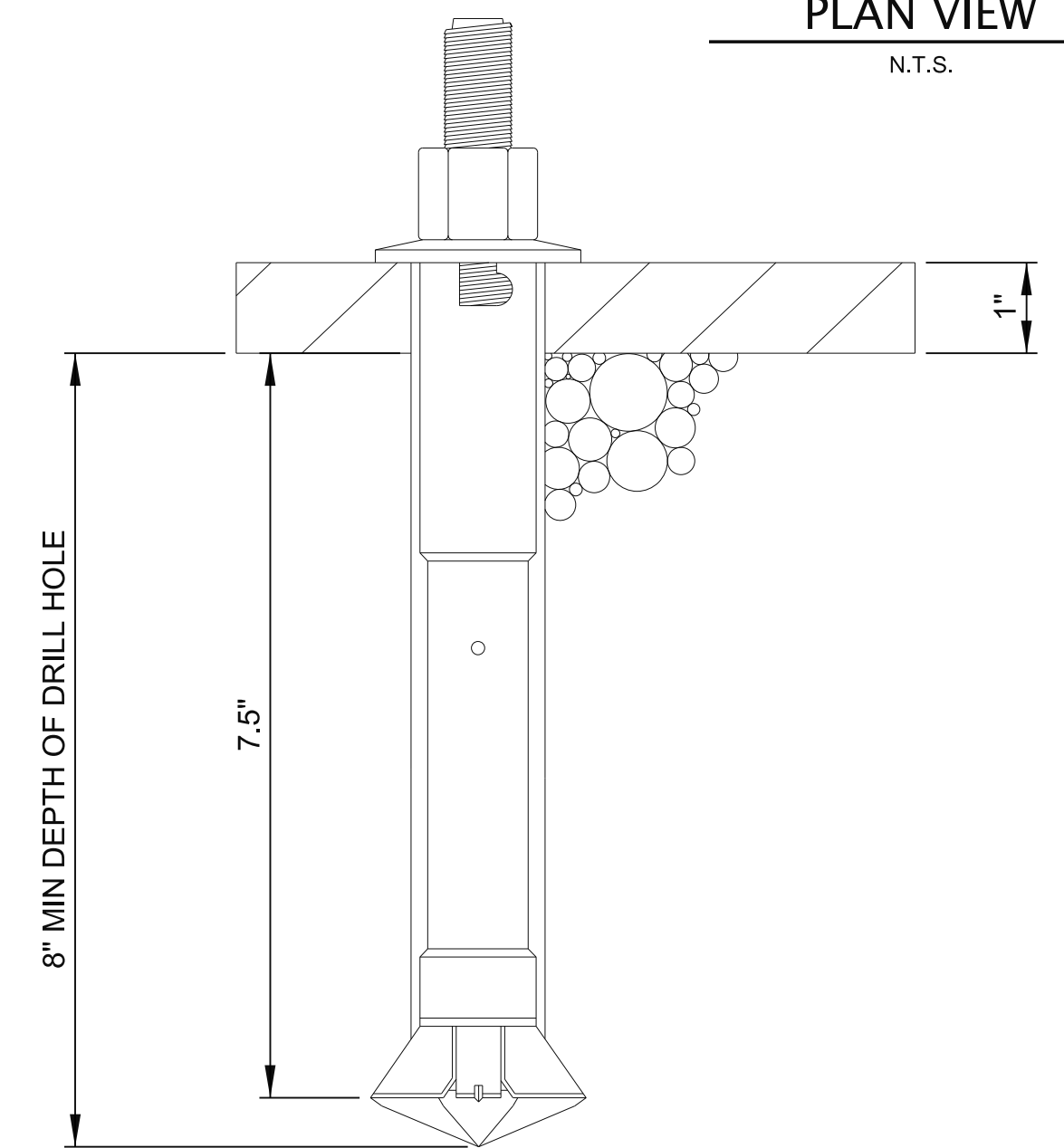
A SLOT, UNIT 15
N.T.S.



1
DETAIL
N.T.S.



PLAN VIEW
N.T.S.



A
SECTION
N.T.S.

- NOTES:**
1. FIELD VERIFY DIMENSIONS BEFORE PLATE FABRICATION
 2. ALL PLATES SHALL CONFORM TO ASTM A36, Fy 36 KSI.
 3. ALL ANCHOR BOLTS SHALL BE STAINLESS STEEL HILTI HDA-TR 30 M16x190/40 OR APPROVED EQUAL.
 4. ANCHOR BOLTS SHALL BE INSPECTED, TESTED, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 5. NOMINAL PLATE HOLE DIMENSIONS FOR EACH ANCHOR BOLT SHALL BE 1 1/4 INCH + 1/16 -0.0
 6. REFERENCE EXISTING REBAR ON DWG BDF-2-60/04 SEE INFORMATIONAL DRAWING (FIO)
 7. ANCHOR BOLTS MINIMUM EMBEDMENT DEPTH IS 7.5 INCHES.
 8. THE CONTRACTOR SHALL MAP EXISTING EMBEDDED REBAR LOCATIONS AT PLATE INSTALLATION AND SUBMIT A REPORT TO THE CONSTRUCTION OFFICE BEFORE FABRICATION AND INSTALLATION OF PLATE AND ANCHOR BOLTS.
 9. THE CONTRACTOR SHALL LOCATE THE EXISTING REBAR AND ADJUST PLATE HOLES AND ANCHOR BOLT LOCATIONS TO AVOID EXISTING REBAR BEFORE PLATE FABRICATION AND DRILLING FOR THE ANCHOR BOLTS.
 10. THE CONTRACTOR SHALL HAVE THE OPTION OF FABRICATING THE 19'-10" LONG PLATE IN SMALLER SECTIONS AND FIELD BUTT THE SECTIONS FOR A TOTAL DIMENSION AT 19'-10".
 11. THE CONTRACTOR SHALL DESIGN AND INSTALL PERMANENT LIFTING EYES FOR THE PLATE SECTIONS.
 12. THE CONTRACTOR SHALL USE ROTARY IMPACT HAMMER DRILLS FOR THE ANCHOR BOLTS.
 13. TOTAL PLATE WEIGHT IS APPROXIMATELY 3,037 LBS.

US Army Corps of Engineers
PORTLAND DISTRICT

DESIGNED BY: GREGORY	DATE:	SOLICITATION NO.:
CHECKED BY: GREGORY	DATE:	CONTRACT NO.:
SUBMITTED BY: GREGORY	DATE:	DRAWING NUMBER:
FILE NAME: plate and anchor design (2).dgn	DATE:	DRAWING NUMBER:
ANSI D	DATE:	DRAWING NUMBER:

BONNEVILLE LOCK AND DAM
SECOND POWERHOUSE
FISH GUIDANCE EFFICIENCY

TURBINE INTAKE
FLOW CONTROL PLATE

SHEET IDENTIFICATION
S-501
SHEET 0 OF 0

DESIGN FILE: \$PWDIRS\$
DRAWING PLOT SIZE: \$BORDERS\$
DATE AND TIME PLOTTED: \$\$\$DATE\$\$\$ \$TIME\$
BY USERNAME: \$USERS\$
SHEET NAME: \$\$SHEET\$\$