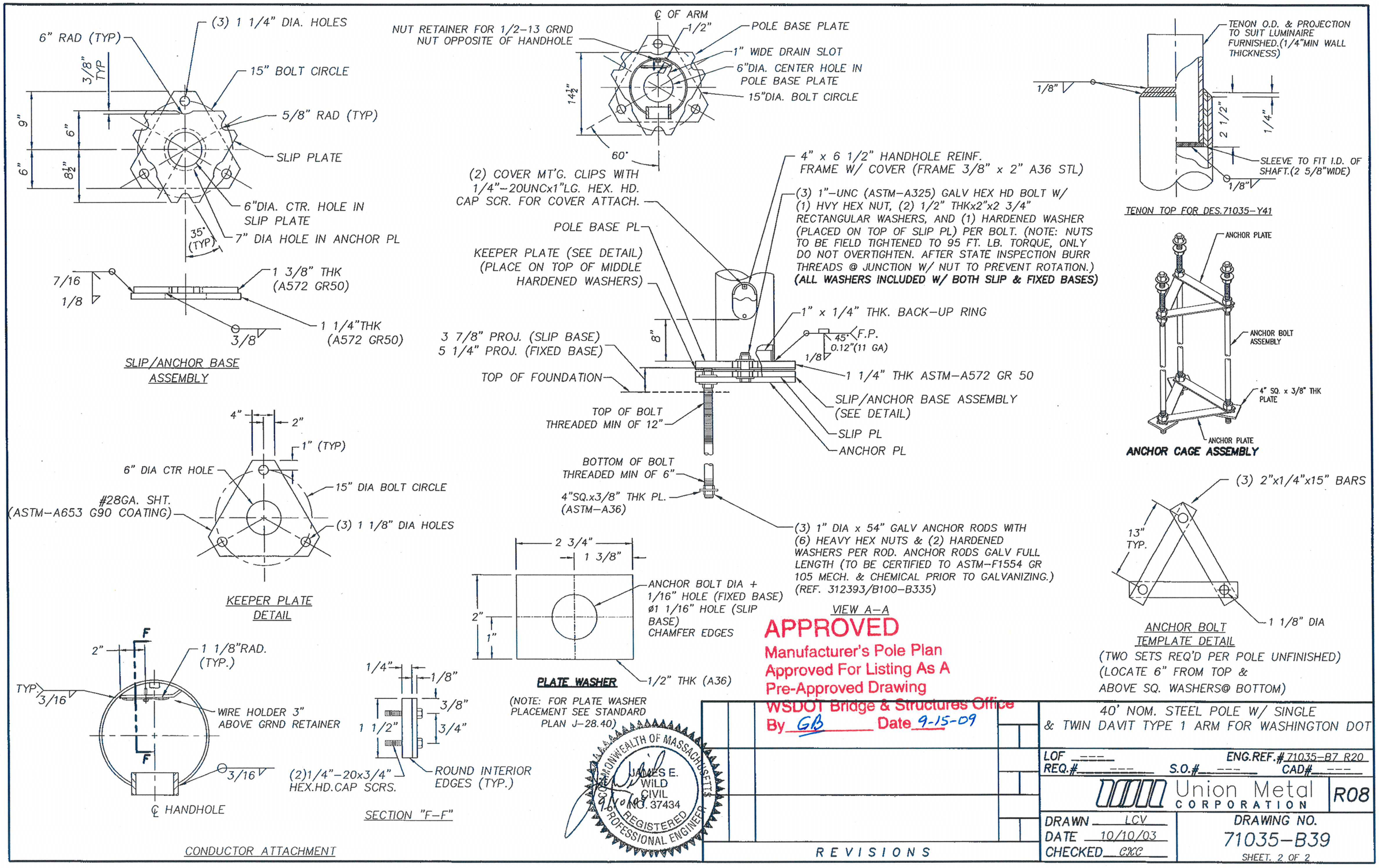
(3) 1 1/4" DIA. HOLES
6" RAD (TYP)
3/8" TYP
15" BOLT CIRCLE
5/8" RAD (TYP)
SLIP PLATE
9"
6"
6"
8 1/2"
6"DIA. CTR. HOLE IN SLIP PLATE
35° (TYP)
7" DIA HOLE IN ANCHOR PL
7/16
1/8
1 3/8" THK (A572 GR50)
1 1/4"THK (A572 GR50)
3/8
SLIP/ANCHOR BASE ASSEMBLY
4"
2"
1" (TYP)
6" DIA CTR HOLE
15" DIA BOLT CIRCLE
#28GA. SHT. (ASTM-A653 G90 COATING)
(3) 1 1/8" DIA HOLES
KEEPER PLATE DETAIL
F
2"
1 1/8"RAD. (TYP.)
TYP
3/16
WIRE HOLDER 3" ABOVE GRND RETAINER
F
3/16
℄ HANDHOLE
CONDUCTOR ATTACHMENT
1/4"
1/8"
3/8"
1 1/2"
3/4"
(2)1/4"-20x3/4" HEX.HD.CAP SCRS.
ROUND INTERIOR EDGES (TYP.)
SECTION "F-F"
℄ OF ARM
NUT RETAINER FOR 1/2-13 GRND NUT OPPOSITE OF HANDHOLE
1/2"
POLE BASE PLATE
1" WIDE DRAIN SLOT
6"DIA. CENTER HOLE IN POLE BASE PLATE
15"DIA. BOLT CIRCLE
14 1/2"
60°
(2) COVER MT'G. CLIPS WITH 1/4"-20UNCx1"LG. HEX. HD. CAP SCR. FOR COVER ATTACH.
4" x 6 1/2" HANDHOLE REINF. FRAME W/ COVER (FRAME 3/8" x 2" A36 STL)
(3) 1"-UNC (ASTM-A325) GALV HEX HD BOLT W/ (1) HVY HEX NUT, (2) 1/2" THKx2"x2 3/4" RECTANGULAR WASHERS, AND (1) HARDENED WASHER (PLACED ON TOP OF SLIP PL) PER BOLT. (NOTE: NUTS TO BE FIELD TIGHTENED TO 95 FT. LB. TORQUE, ONLY DO NOT OVERTIGHTEN. AFTER STATE INSPECTION BURR THREADS @ JUNCTION W/ NUT TO PREVENT ROTATION.)
(ALL WASHERS INCLUDED W/ BOTH SLIP & FIXED BASES)
POLE BASE PL
KEEPER PLATE (SEE DETAIL) (PLACE ON TOP OF MIDDLE HARDENED WASHERS)
1" x 1/4" THK. BACK-UP RING
8"
45° F.P.
0.12"(11 GA)
1/8
3 7/8" PROJ. (SLIP BASE)
5 1/4" PROJ. (FIXED BASE)
TOP OF FOUNDATION
1 1/4" THK ASTM-A572 GR 50
SLIP/ANCHOR BASE ASSEMBLY (SEE DETAIL)
TOP OF BOLT THREADED MIN OF 12"
SLIP PL
ANCHOR PL
BOTTOM OF BOLT THREADED MIN OF 6"
4"SQ.x3/8" THK PL. (ASTM-A36)
(3) 1" DIA x 54" GALV ANCHOR RODS WITH (6) HEAVY HEX NUTS & (2) HARDENED WASHERS PER ROD. ANCHOR RODS GALV FULL LENGTH (TO BE CERTIFIED TO ASTM-F1554 GR 105 MECH. & CHEMICAL PRIOR TO GALVANIZING.) (REF. 312393/B100-B335)
2 3/4"
1 3/8"
ANCHOR BOLT DIA + 1/16" HOLE (FIXED BASE) ø1 1/16" HOLE (SLIP BASE) CHAMFER EDGES
2"
1"
PLATE WASHER
1/2" THK (A36)
(NOTE: FOR PLATE WASHER PLACEMENT SEE STANDARD PLAN J-28.40)
VIEW A-A
TENON O.D. & PROJECTION TO SUIT LUMINAIRE FURNISHED.(1/4"MIN WALL THICKNESS)
1/8"
2 1/2"
1/4"
SLEEVE TO FIT I.D. OF SHAFT.(2 5/8"WIDE)
1/8"
TENON TOP FOR DES.71035-Y41
ANCHOR PLATE
ANCHOR BOLT ASSEMBLY
4" SQ. x 3/8" THK PLATE
ANCHOR PLATE
ANCHOR CAGE ASSEMBLY
(3) 2"x1/4"x15" BARS
13" TYP.
1 1/8" DIA
ANCHOR BOLT TEMPLATE DETAIL
(TWO SETS REQ'D PER POLE UNFINISHED)
(LOCATE 6" FROM TOP & ABOVE SQ. WASHERS@ BOTTOM)
APPROVED
Manufacturer's Pole Plan
Approved For Listing As A
Pre-Approved Drawing
WSDOT Bridge & Structures Office
By GB Date 9-15-09
COMMONWEALTH OF MASSACHUSETTS
JAMES E. WILD
CIVIL
NO. 37434
REGISTERED PROFESSIONAL ENGINEER
REVISIONS
40' NOM. STEEL POLE W/ SINGLE & TWIN DAVIT TYPE 1 ARM FOR WASHINGTON DOT
LOF ---
REQ.# ---
S.O.# ---
ENG.REF.# 71035-B7 R20
CAD# ---
Union Metal CORPORATION
R08
DRAWN LCV
DATE 10/10/03
CHECKED CXC
DRAWING NO.
71035-B39
SHEET 2 OF 2