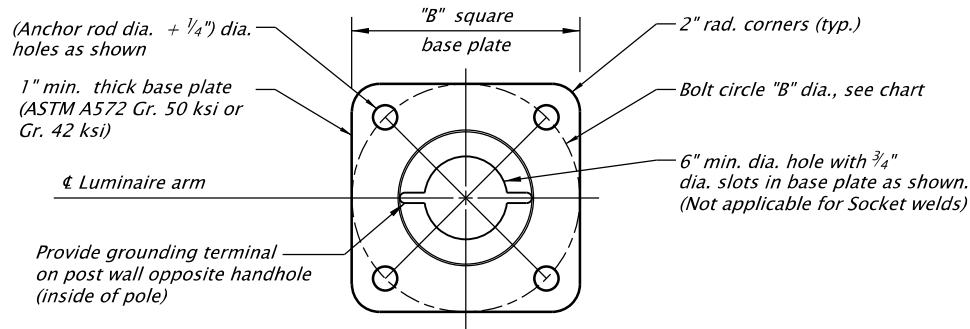
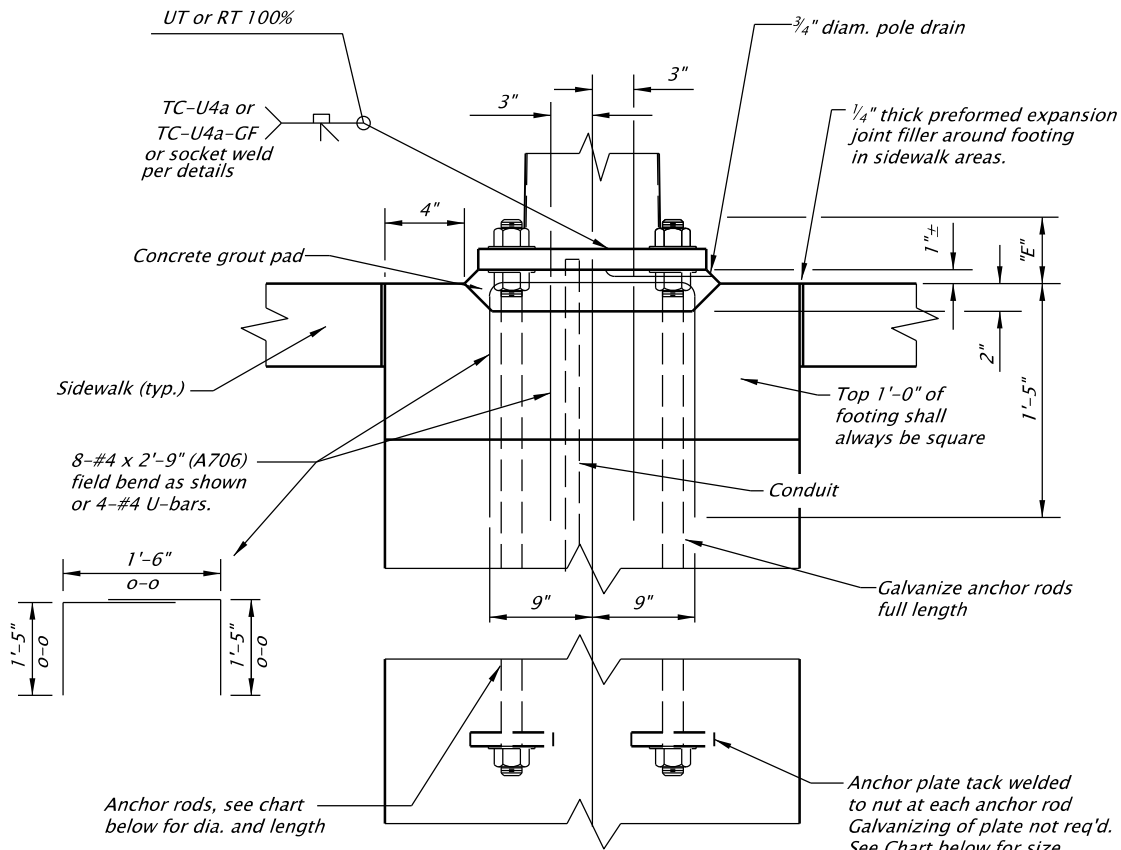




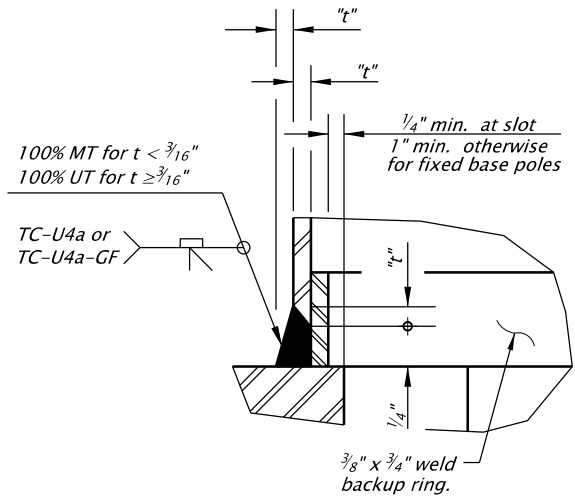
PLAN - BASE PLATE - FIXED BASE POLE

No Scale



FIXED BASE DETAILS

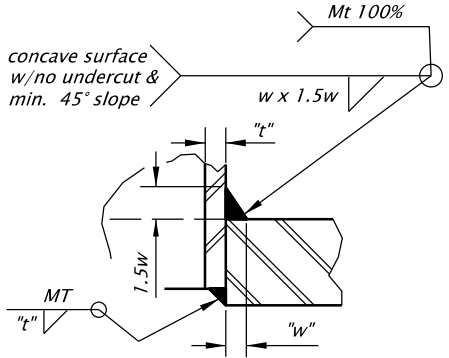
No Scale



TC-U4a

Size of fillet weld "w" as req'd by calculations, but not less than $1.414 "t"$ or $1.414 "t" \times F_y \text{ shaft when } F_y \text{ base plate}$

base plate $F_y < \text{shaft } F_y$



SOCKET

BASE PLATE WELDS

No Scale

FIXED BASE CHART (Single Luminaire Arm)									
Pole & Arm Dimensions		4 Anchor rods req'd per pole, each with 3 nuts, 2 washers & 1 anchor plate						Footing	
"BL"	"LA"	Anchor rod Diameter	"B"	Length	Thread Top	Proj. "E" max.	Anchor plate size	Width (Dia.)	Depth
30' or less	20' or less	1" F1554 Gr. 36	14"	3'-6"	6"	4 1/4"	4" sq. x 5/8"	2'-6"	6'-6"
> 30' thru 40'	20' or less	1 1/4" F1554 Gr. 36	15"	3'-6"	6"	4 3/4"	4" sq. x 5/8"	2'-6"	7'-6"
> 40' thru 50'	20' or less	1 1/2" F1554 Gr. 36	17 1/2"	3'-6"	6"	5 1/4"	4" sq. x 5/8"	3'-0"	8'-6"
> 50' thru 60'	20' or less	1 1/2" F1554 Gr. 36	17 1/2"	3'-6"	6"	5 1/4"	4" sq. x 5/8"	3'-0"	9'-0"

- Notes:
- The maximum slope is 1V:3H.
 - The assumed cohesive soil minimum undrained shear strength, c , is 600 psf. The assumed non-cohesive soil friction angle is 25 degrees, the bulk weight is 100 pcf, and fully saturated.
 - Engineer of Record shall confirm site specific conditions satisfy the assumed soil parameters and satisfy the slope requirements. If conditions are not satisfied, Engineer of Record must adjust the shaft design as needed.

FIXED DOUBLE ARM POLES NOTE:
Foundation and anchor rod requirements for fixed double arm poles to be determined by contractor.

Accompanied by dwgs. TM629, TM630

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
FIXED BASE LUMINAIRE SUPPORTS			
BASE PLATE & FOOTING DETAILS			
2024			
DATE	REVISION DESCRIPTION		
07-2021	ADDED TM631 FIXED BASE LRFD DRAWING		
CALC. BOOK NO.	7481	SDR DATE	09-JUL-2021
			TM631

Effective Date: June 1, 2026 – November 30, 2026