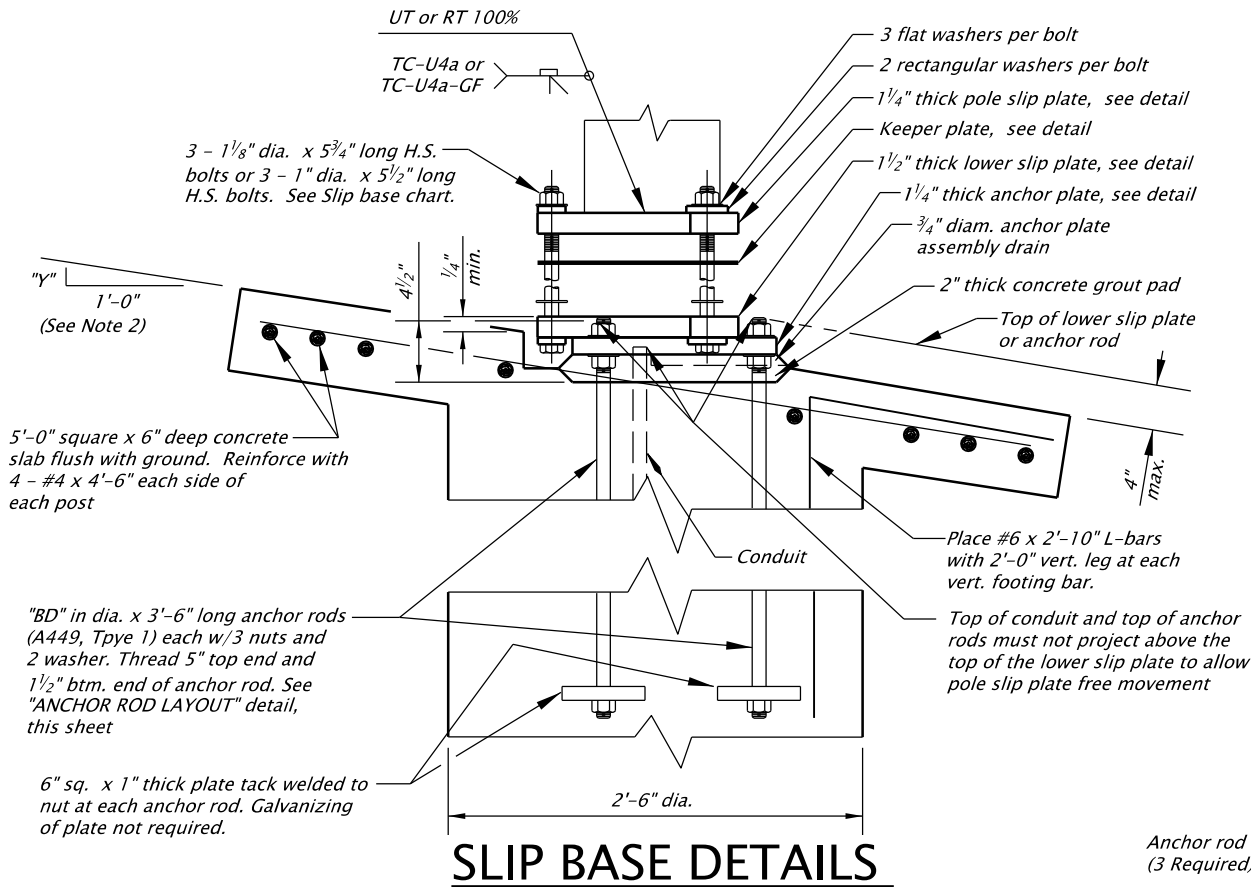




SLIP BASE CHART					
Bolt or Anchor rod "BD"	No. of Luminaire arms		Torque ft-lbs		Footing Depth
	1	2	"T ₁ "	"T ₂ "	
1"	"BL" ≤ 50'	"BL" ≤ 40'	700	90	8'-0"
1 1/8"	"BL" > 50'	"BL" > 40'	850	100	8'-6"

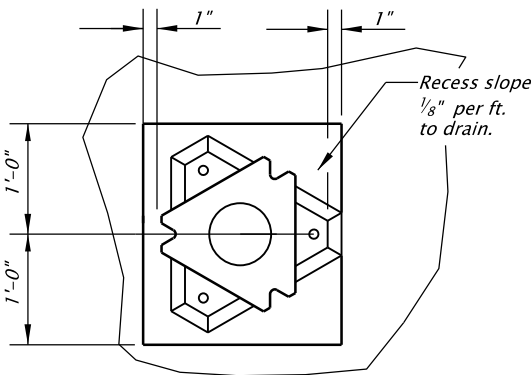
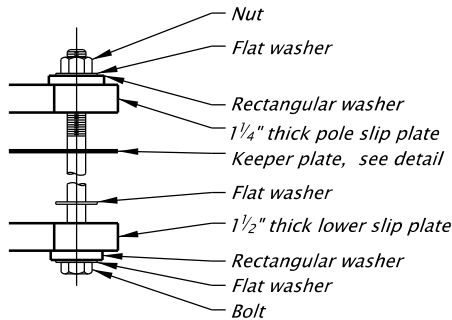
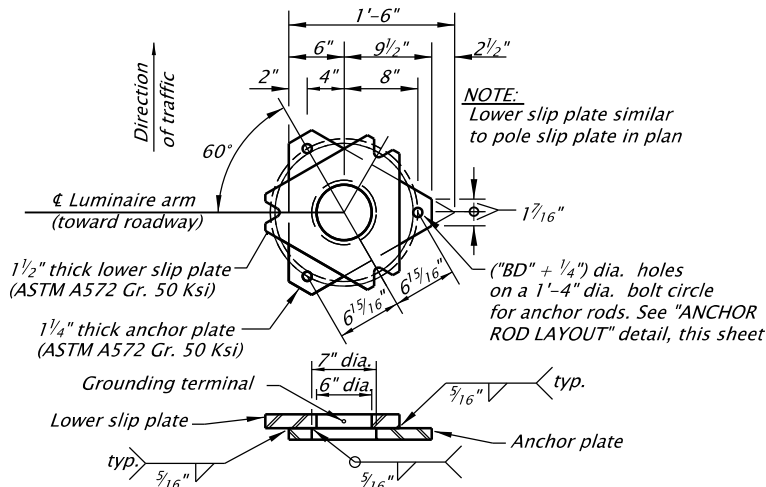
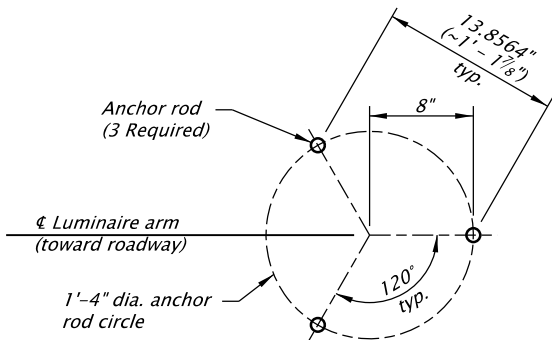
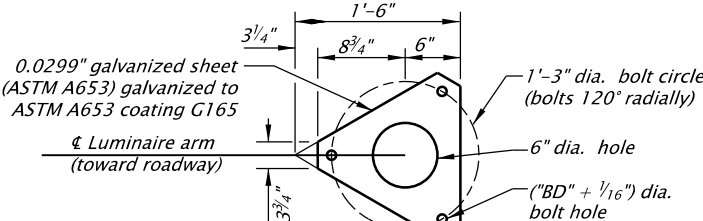
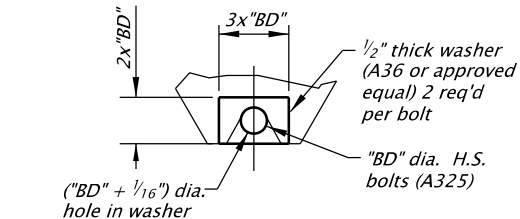
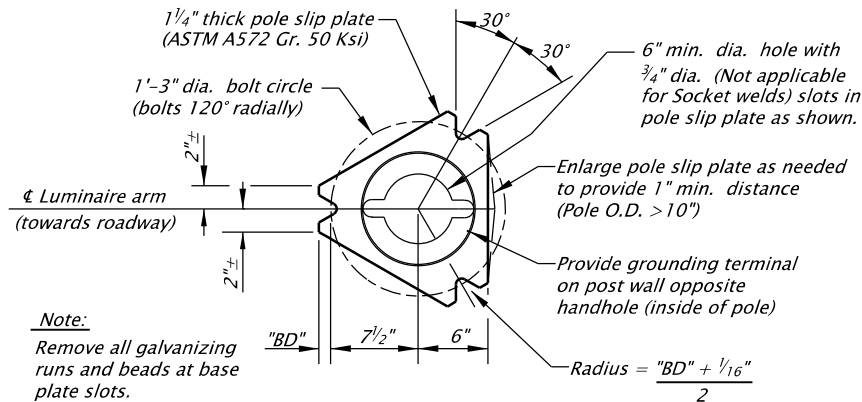
- Notes:**
- "BL" shall not exceed 55' for single luminaire arm poles. "BL" shall not exceed 45' for double luminaire arm poles. Top of rods must not project above top of lower slip plate.
 - The maximum slope rise "Y" is 2.50 inches per foot and a grade of 1V:4.80H.
 - The assumed cohesive soil minimum 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.

SLIP BASE BOLTING PROCEDURE (see 00962.46(j)(2)(b))

- Erect pole on an anchor assembly using 3 flat washers and 2 rectangular washers per bolt along with the keeper plate. Place 1 flat washer and the keeper plate between the pole base plate and the anchor plate.
- Adjust anchor rod leveling nuts as required to rake pole.
- Tighten high strength bolts to "T₁" ft-lbs torque.
- Loosen each bolt and retighten to "T₂" ft-lbs torque. **DO NOT OVERTIGHTEN!**
- Burr bolt threads at junction with nut using a center punch.

NOTE:

Tightening of slip base bolts shall not be done without an inspector present.



Accompanied by dwgs. TM629, TM631

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		
SLIP BASE LUMINAIRE SUPPORTS		
BASE PLATE & FOOTING DETAILS		
2024		
DATE	REVISION	DESCRIPTION
07-2021	UPDATED TO THE LRFD AND MOVED FIXED BASE DETAILS TO TM631	
01-2024	CONDUIT AND ANCHOR ROD SLIP PLATE CLEARANCE CLARIFIED	
07-2024	ADDED GROUT PAD DRAIN HOLE	
07-2025	ADDED ANCHOR ROD LAYOUT AND GALV. NOTE ON ANCHOR ROD PLATES	
CALC. BOOK NO.	7481	SDR DATE
		11-JUL-2025
		TM630