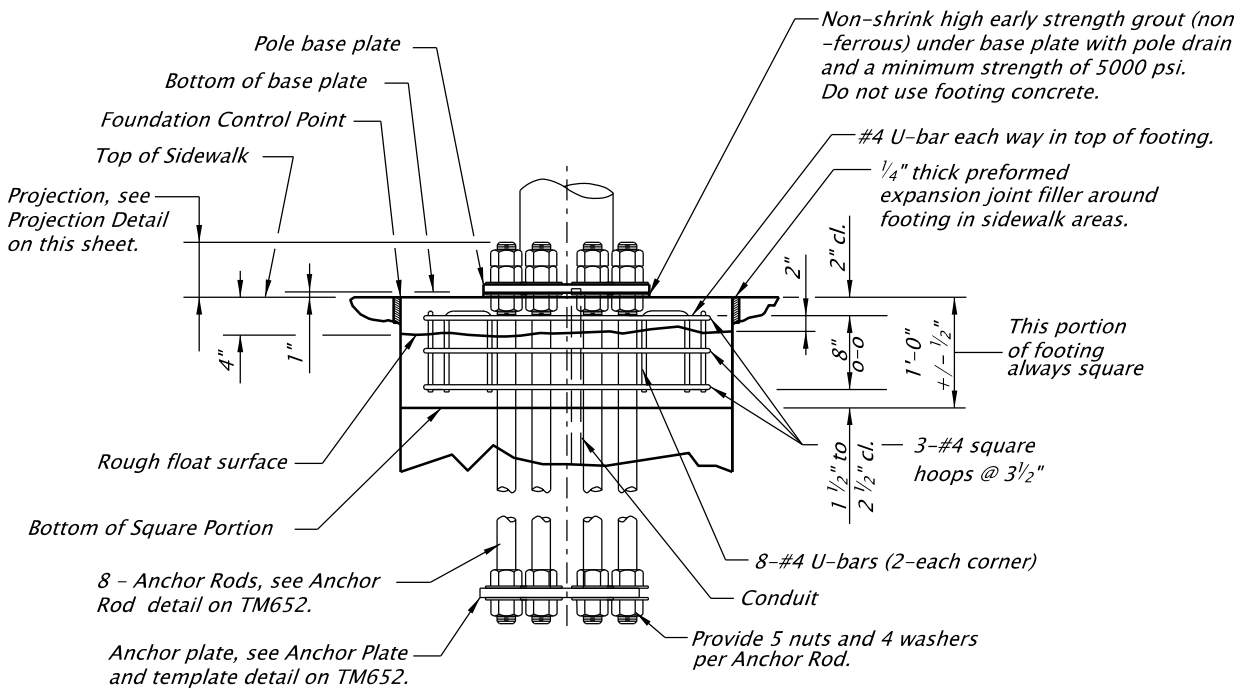
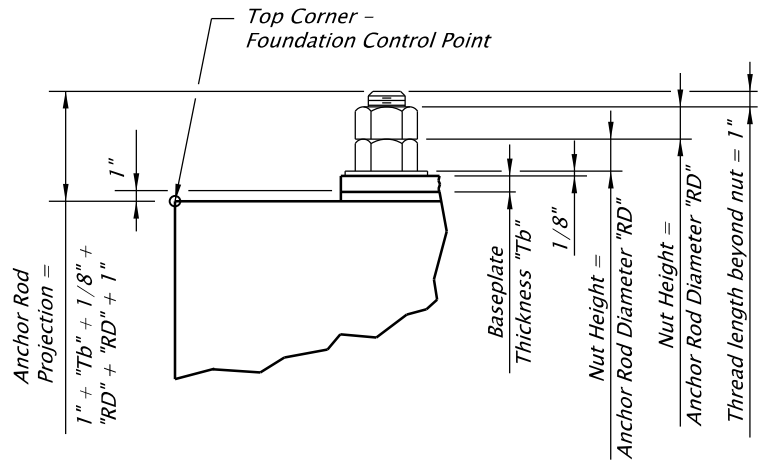
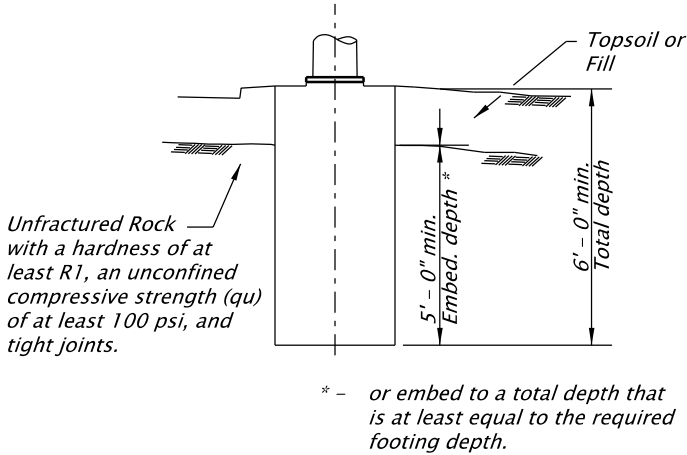


| Standard Foundations |                    |                    |                |                       |                 |
|----------------------|--------------------|--------------------|----------------|-----------------------|-----------------|
| Foundation Number    | Mastarm Pole Types | "FD" Diameter Min. | Vertical Rebar | Hoop Size and Spacing | Hoop Lap Length |
| 1                    | SM1                | 36"                | 8-#8           | #4 at 6"              | 18"             |
| 2                    | SM2, SM1L          | 36"                | 8-#8           | #4 at 6"              | 18"             |
| 3                    | SM3, SM2L          | 36"                | 8-#8           | #4 at 6"              | 18"             |
| 4                    | SM4, SM3L          | 42"                | 10-#8          | #5 at 6"              | 21"             |
| 5                    | SM5, SM4L          | 42"                | 10-#9          | #5 at 6"              | 21"             |
| 6                    | SM5L               | 42"                | 10-#9          | #5 at 6"              | 21"             |

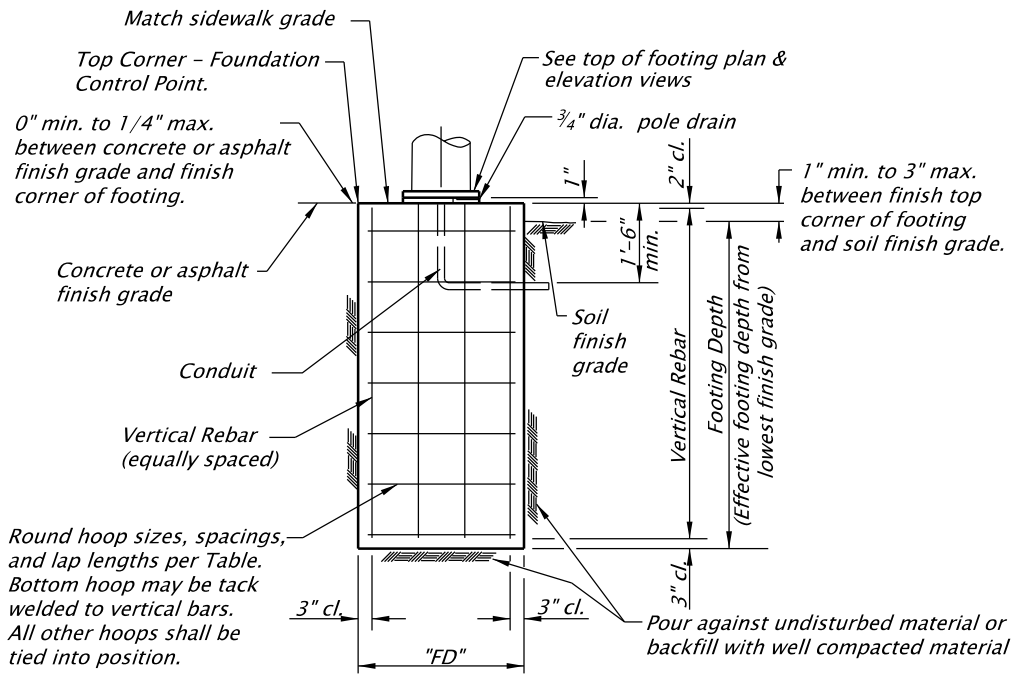


**ELEVATION - TOP OF FOOTING**  
No Scale

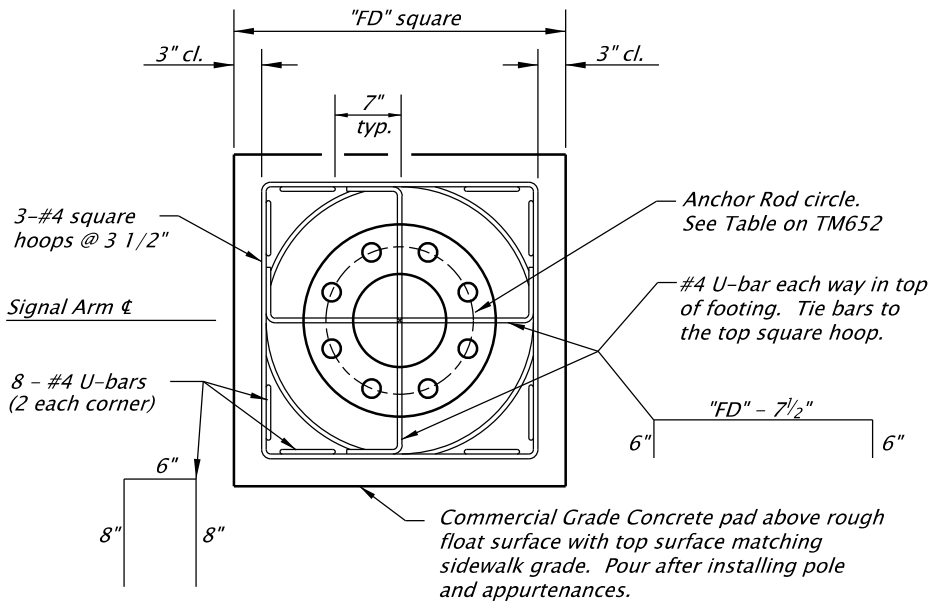
**ROCK INSTALLATION REQUIREMENTS**  
No Scale



**PROJECTION DETAIL**  
No Scale



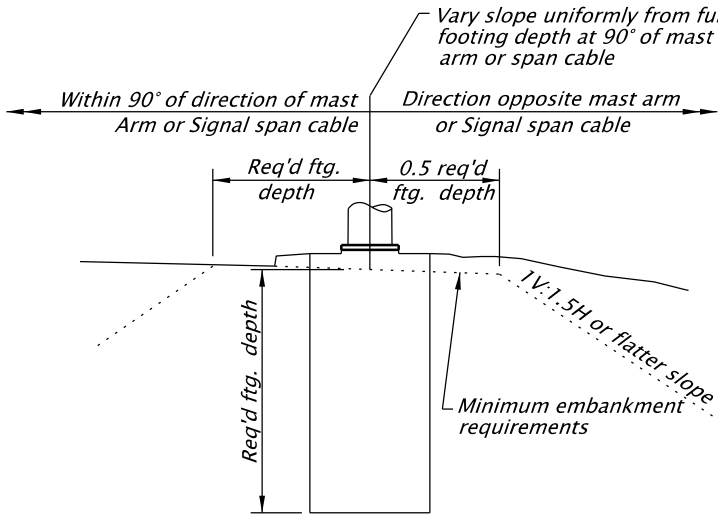
**TYPICAL FOOTING ELEVATION**  
No Scale



**PLAN - TOP OF FOOTING**  
No Scale

**NOTES:**

See TM651 for general notes.  
The pier torsional forces have been designed according to the ACI 318.



**MINIMUM EMBANKMENT REQUIREMENTS**  
No Scale

Accompanied by dwgs. TM650, TM651, TM652, TM654

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                                                              |                                    |          |             |
| TRAFFIC SIGNAL SUPPORTS FOUNDATION REQUIREMENTS                                       |                                    |          |             |
| 2024                                                                                  |                                    |          |             |
| DATE                                                                                  | REVISION DESCRIPTION               |          |             |
| 07-2020                                                                               | ADDED ACCOMPANIED BY DRAWING TM654 |          |             |
|                                                                                       |                                    |          |             |
|                                                                                       |                                    |          |             |
|                                                                                       |                                    |          |             |
| CALC. BOOK NO.                                                                        | 5323                               | SDR DATE | 10-JUL-2020 |
|                                                                                       |                                    |          | TM653       |