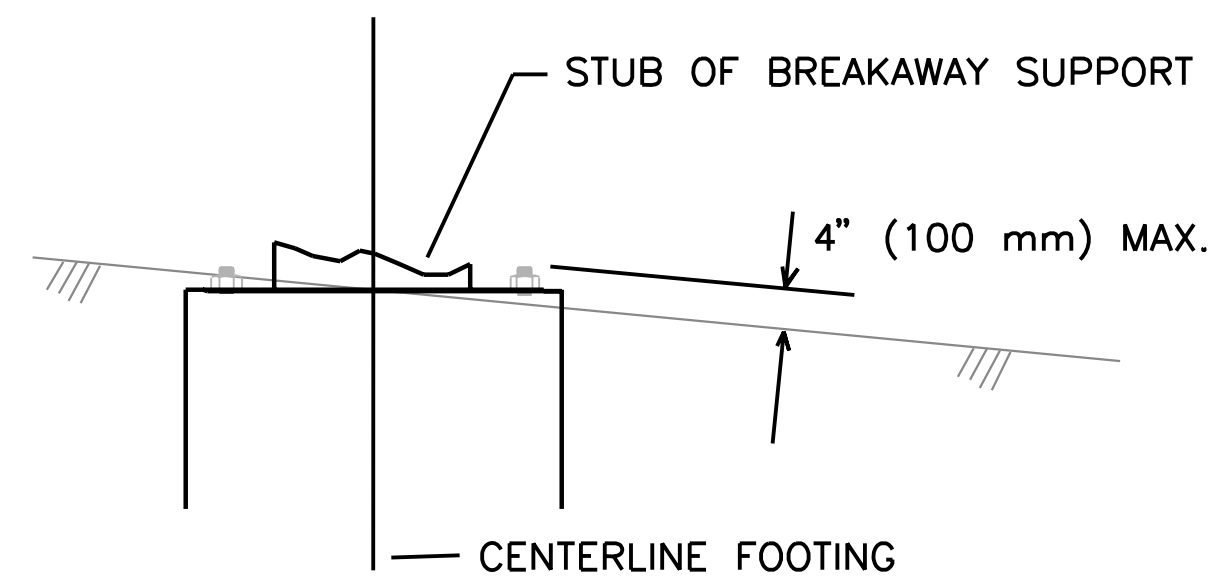


FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-6657-01	2002	651	1122

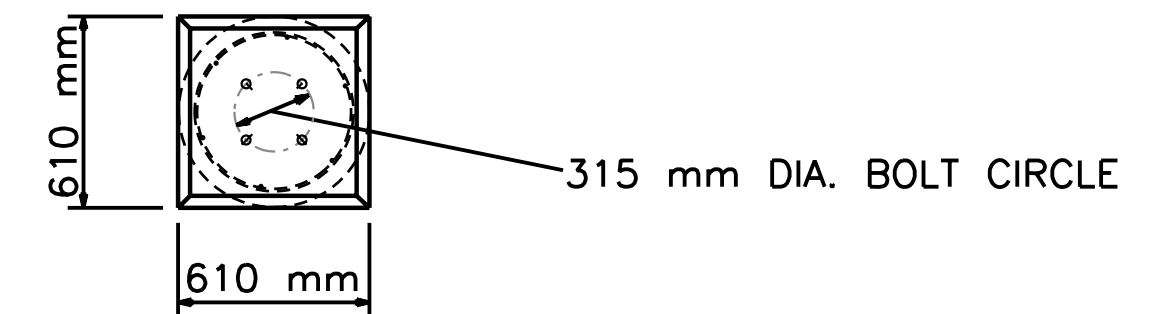
GROUNDING NOTE:  
LIGHT STANDARDS SHALL BE GROUNDED BY MEANS OF A NO.6 AWG STRANDED BARE COPPER GROUND WIRE BOLTED TO THE INSIDE OF THE LIGHT STANDARD SHAFT WITH A 13 mm GROUNDING NUT. GROUND WIRE SHALL BE CONNECTED TO THE COPPERCLAD GROUND ROD BY MEANS OF A GROUND ROD CLAMP.

THE 4" (100 mm) MAX. IS A REQUIREMENT OF THE BREAKAWAY CRITERIA IN THE 1985 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS



BREAKAWAY SUPPORT STUB CLEARANCE DIAGRAM

NOTE:  
THE FOUNDATION SHALL BE INSTALLED TO MEET THE BREAKAWAY SUPPORT STUB CLEARANCE OF 100 mm MAXIMUM, TO INCLUDE ANCHOR BOLTS.



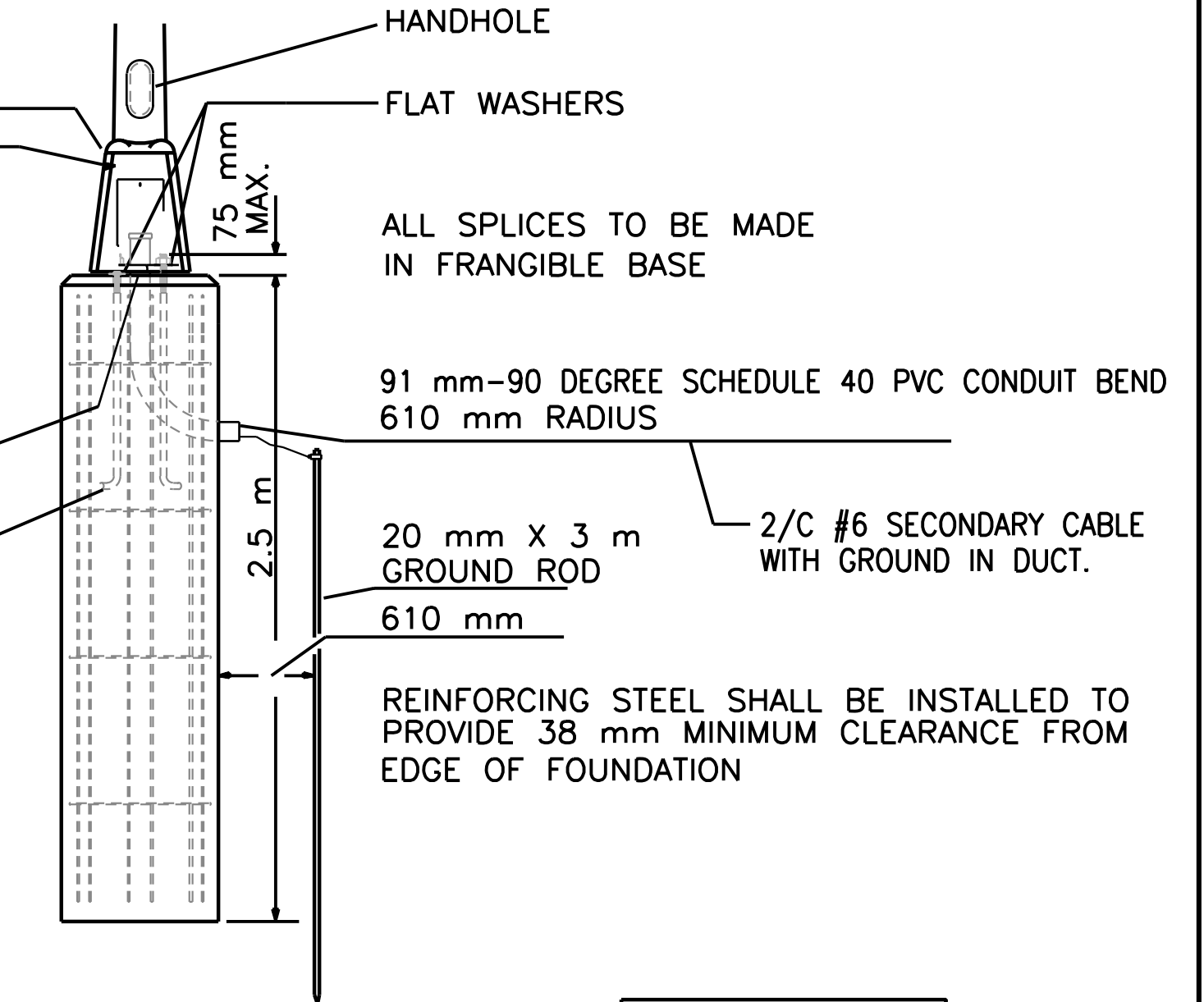
TOP VIEW FOUNDATION

RUBBER SEALANT IS REQUIRED FOR TOP OF FRANGIBLE BASE

FRANGIBLE BASE  
A MIN. OF 150 mm TO BE FORMED 610 mm X 610 mm AT TOP OF BASE

NOTE: CENTERLINE OF CONCRETE BASE SHALL BE INSTALLED AT GROUNDLINE.

4-25 mm X 1 m ANCHOR BOLTS



FOUNDATION DETAIL

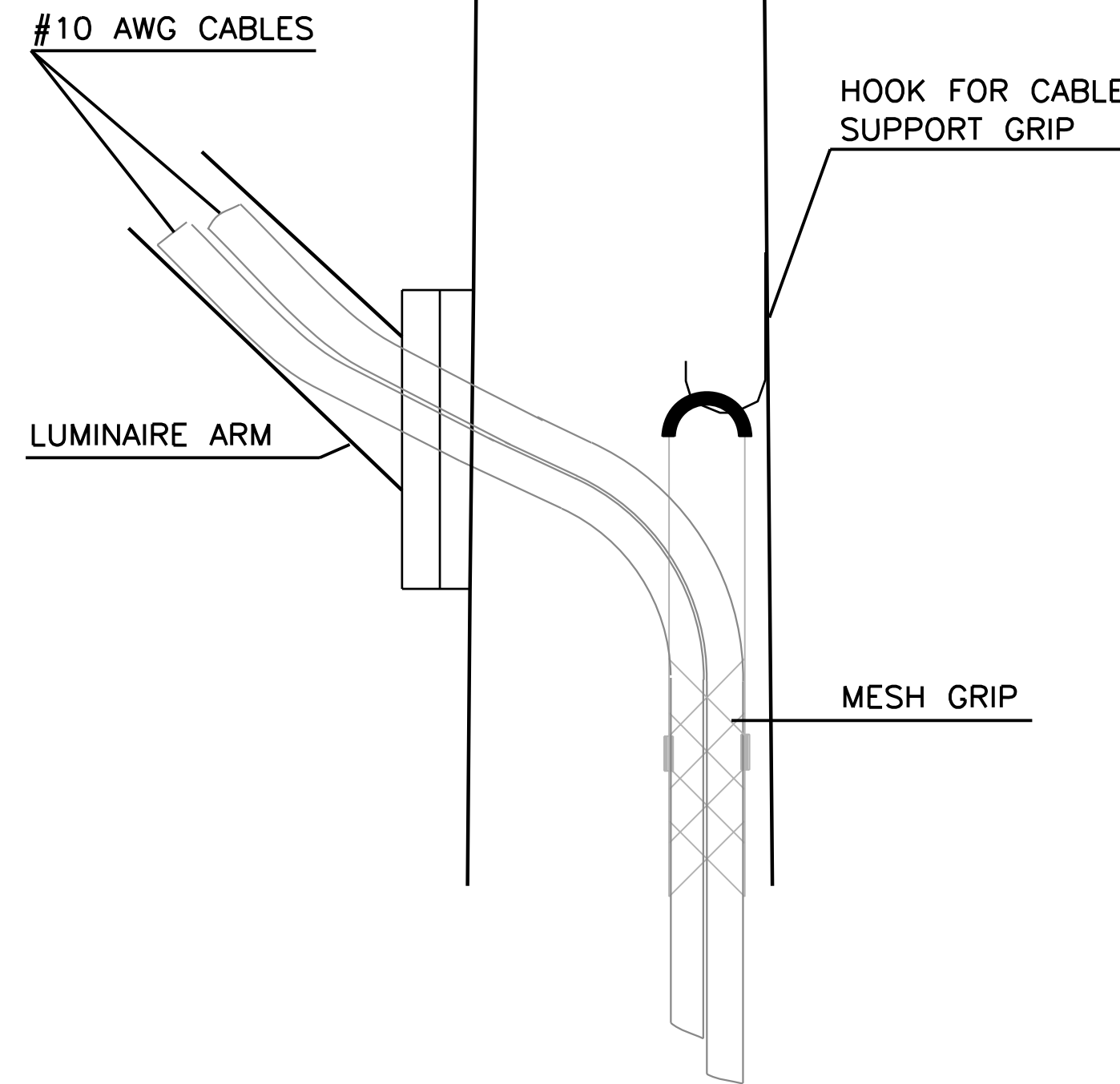
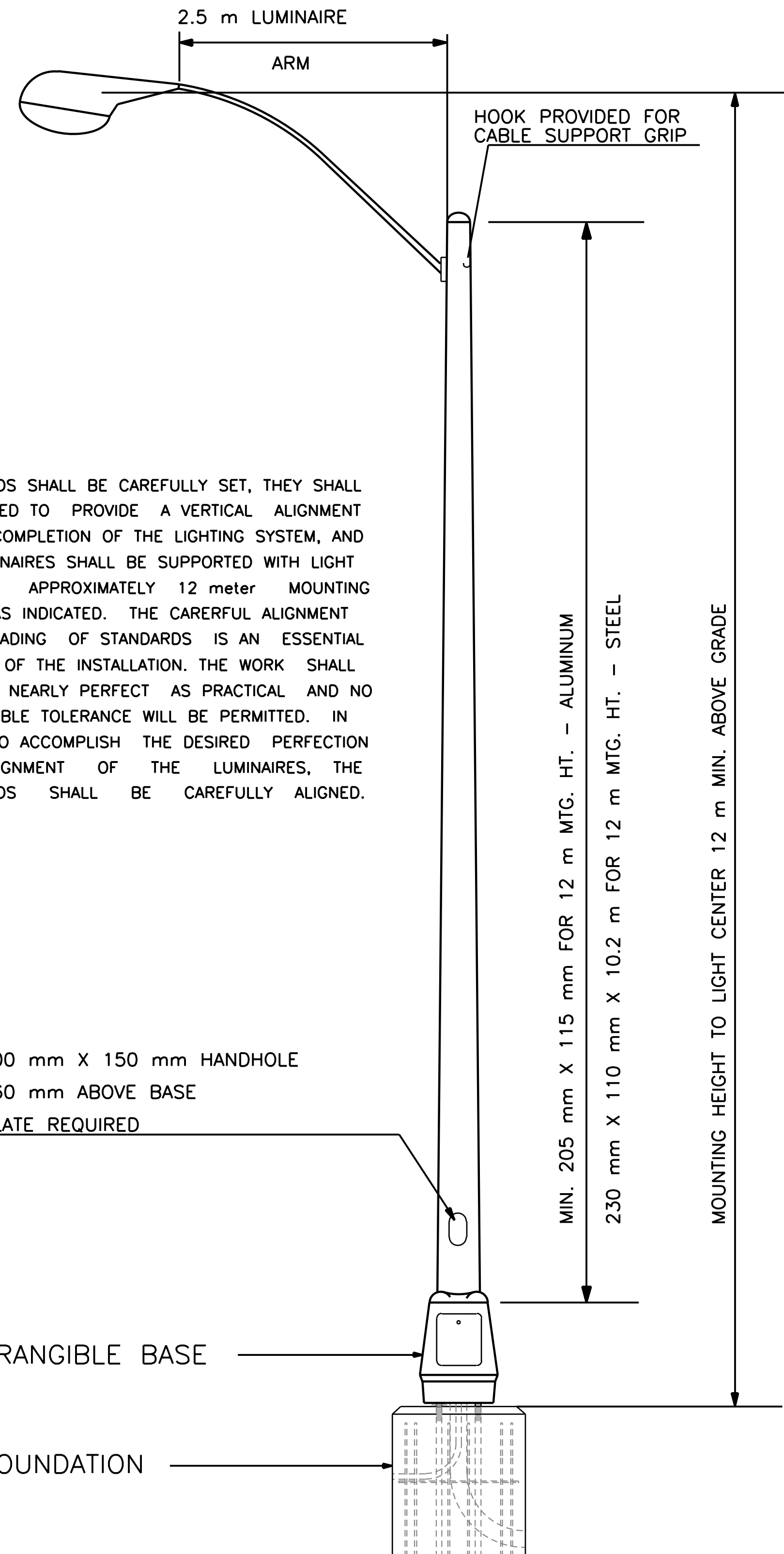
See Sheet No. 651/A.

NOTES:  
STANDARDS SHALL BE CAREFULLY SET, THEY SHALL BE RAKED TO PROVIDE A VERTICAL ALIGNMENT UPON COMPLETION OF THE LIGHTING SYSTEM, AND ALL LUMINAIRES SHALL BE SUPPORTED WITH LIGHT CENTERS APPROXIMATELY 12 meter MOUNTING HEIGHT AS INDICATED. THE CAREFUL ALIGNMENT AND GRADING OF STANDARDS IS AN ESSENTIAL FEATURE OF THE INSTALLATION. THE WORK SHALL BE AS NEARLY PERFECT AS PRACTICAL AND NO PERCEPTIBLE TOLERANCE WILL BE PERMITTED. IN ORDER TO ACCOMPLISH THE DESIRED PERFECTION OF ALIGNMENT OF THE LUMINAIRES, THE STANDARDS SHALL BE CAREFULLY ALIGNED.

100 mm X 150 mm HANDHOLE  
460 mm ABOVE BASE  
PLATE REQUIRED

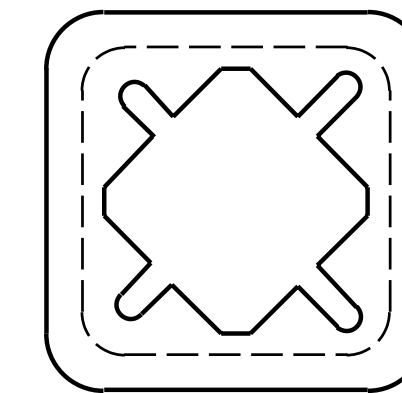
FRANGIBLE BASE

FOUNDATION

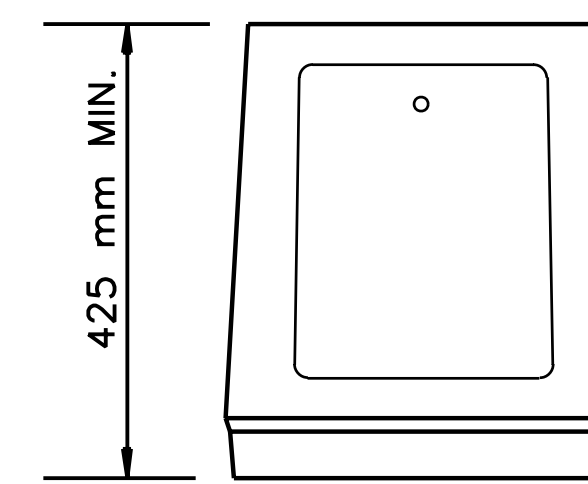


CABLE SUPPORT GRIP

NOTE:  
THE CABLE SUPPORT GRIP SHALL BE INSTALLED ON THE HOOK SUPPLIED WITHIN THE LIGHT POLE AS SHOWN ABOVE.



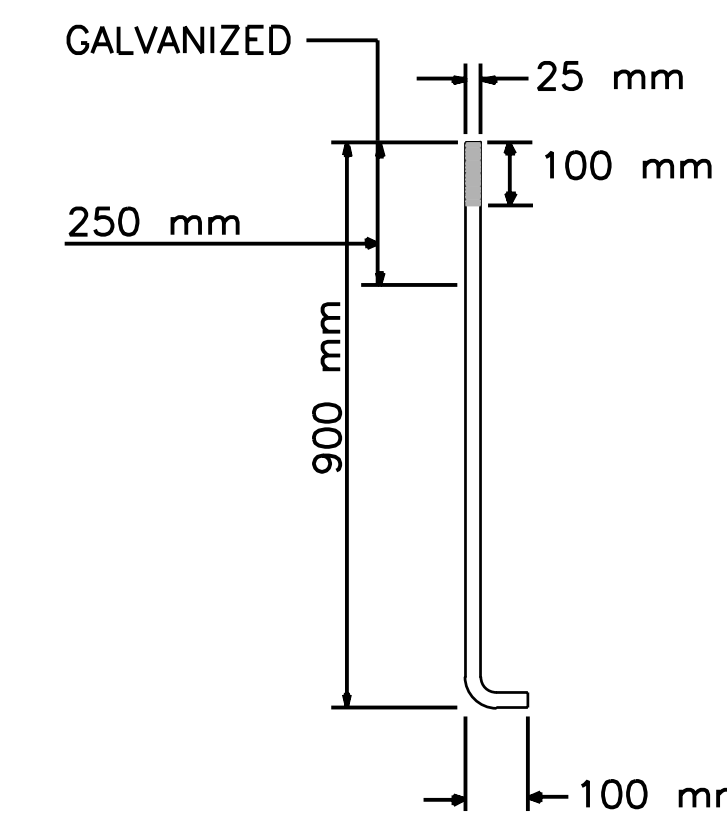
TOP AND BOTTOM VIEW



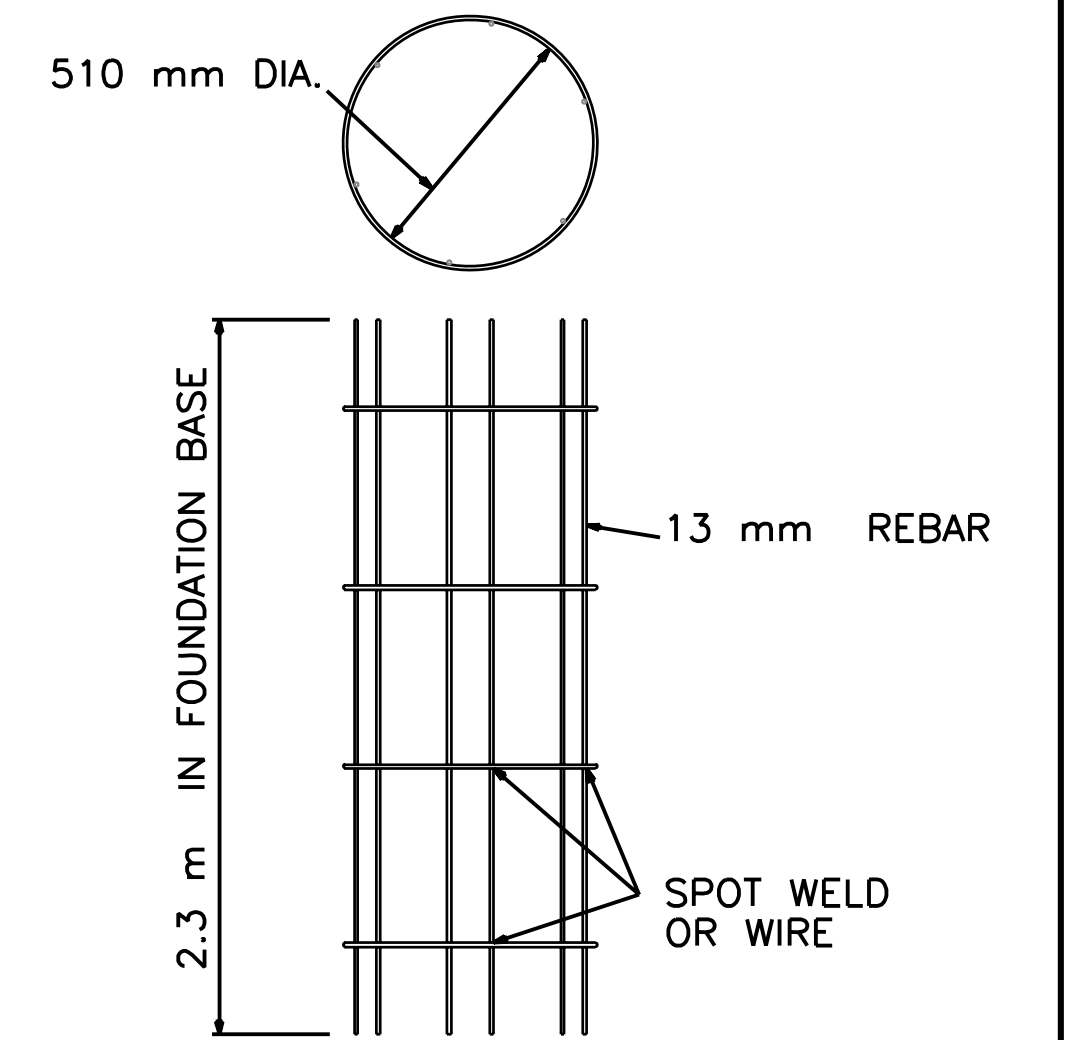
SIDE VIEW

FRANGIBLE BASE

NOTE:  
THE FRANGIBLE BASE MUST ACCOMMODATE 320 mm TOP AND BOTTOM BOLT CIRCLE.



ANCHOR BOLT DETAIL



REBAR DETAIL

DSMR: WAN OPER: WAN SCALE: 500  
14/1997/97362/As-Built/s/dgn/s/Vol\_3/Sh 651-WK4651.dgn Last Rev: 9-18-07 By: gdr

RECORD DRAWING

3																							
2																							
1																							
NO.	DATE	REVISION	BY	APP'D																			
KANSAS DEPARTMENT OF TRANSPORTATION																							
ROADWAY LIGHTING DETAILS																							
<table border="0"> <tr> <td>DESIGNED</td> <td>KG</td> <td>DATE</td> <td>8/16/94</td> <td>APP'D</td> <td>LINDA G. VOSS</td> </tr> <tr> <td>DESIGN CK.</td> <td></td> <td>DETAIL CK.</td> <td>KG</td> <td>QUANTITIES</td> <td>TRACED</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>QUAN. CK.</td> <td>TRACE CK.</td> </tr> </table>						DESIGNED	KG	DATE	8/16/94	APP'D	LINDA G. VOSS	DESIGN CK.		DETAIL CK.	KG	QUANTITIES	TRACED					QUAN. CK.	TRACE CK.
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