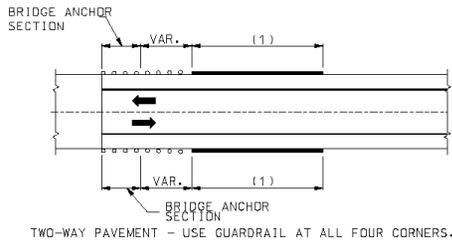
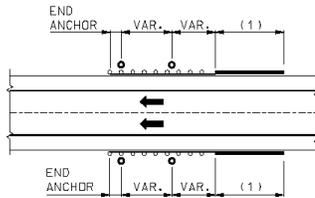


Route 40,  
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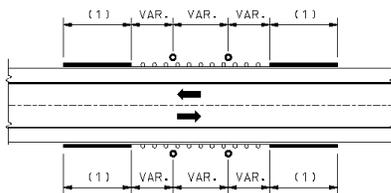
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



**AT BRIDGE ENDS**



**SHOULDER INSTALLATION WITH DIVIDED PAVEMENT**



**SHOULDER INSTALLATION WITH TWO-WAY PAVEMENT**

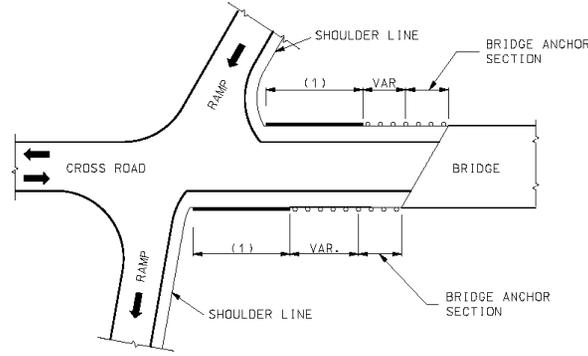
**AT OBSTACLES**

FOR MULTIPLE OBSTACLES - SPECIFY VAR. IN 12'-6" INCREMENTS.

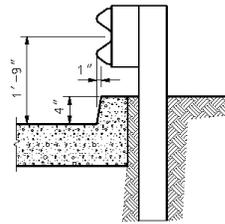
**GUARDRAIL LOCATIONS**

**LEGEND**

- GUARDRAIL
- o OBSTACLE

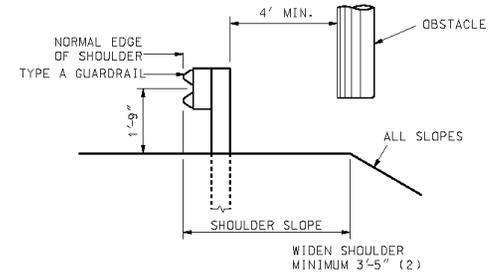


**BRIDGE ENDS  
GUARDRAIL LOCATION AT INTERCHANGE**



**GUARDRAIL AT CURBS (3)**

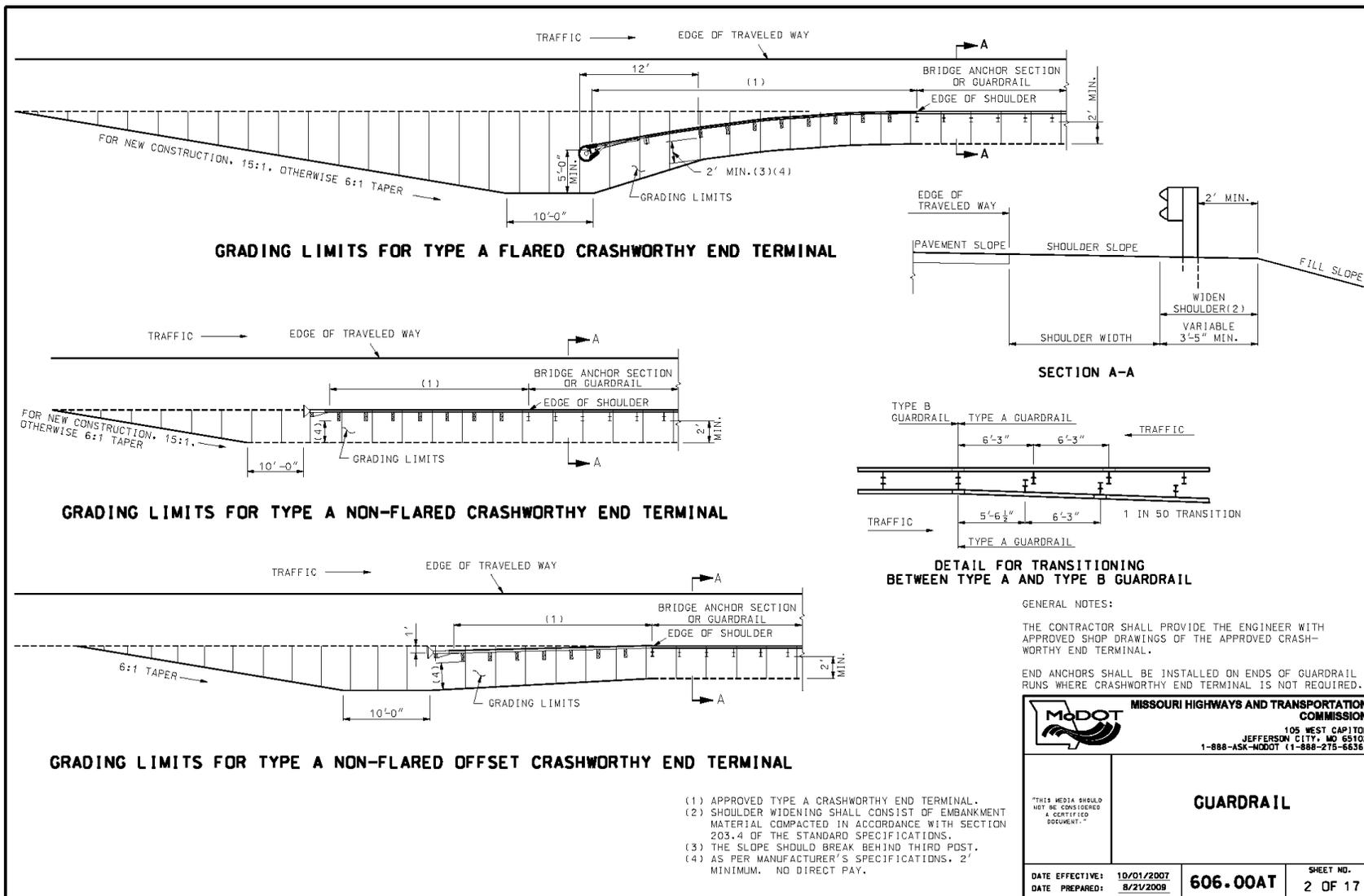
- (1) APPROVED TYPE A CRASHWORTHY END TERMINAL.
- (2) SHOULDER WIDENING SHALL CONSIST OF EMBANKMENT MATERIAL COMPACTED IN ACCORDANCE WITH SECTION 203.4 OF THE STANDARD SPECIFICATIONS.
- (3) WHEN GUARDRAIL IS CONSTRUCTED OVER CURBS, THE CURBS SHALL BE CONSTRUCTED AS SHOWN.



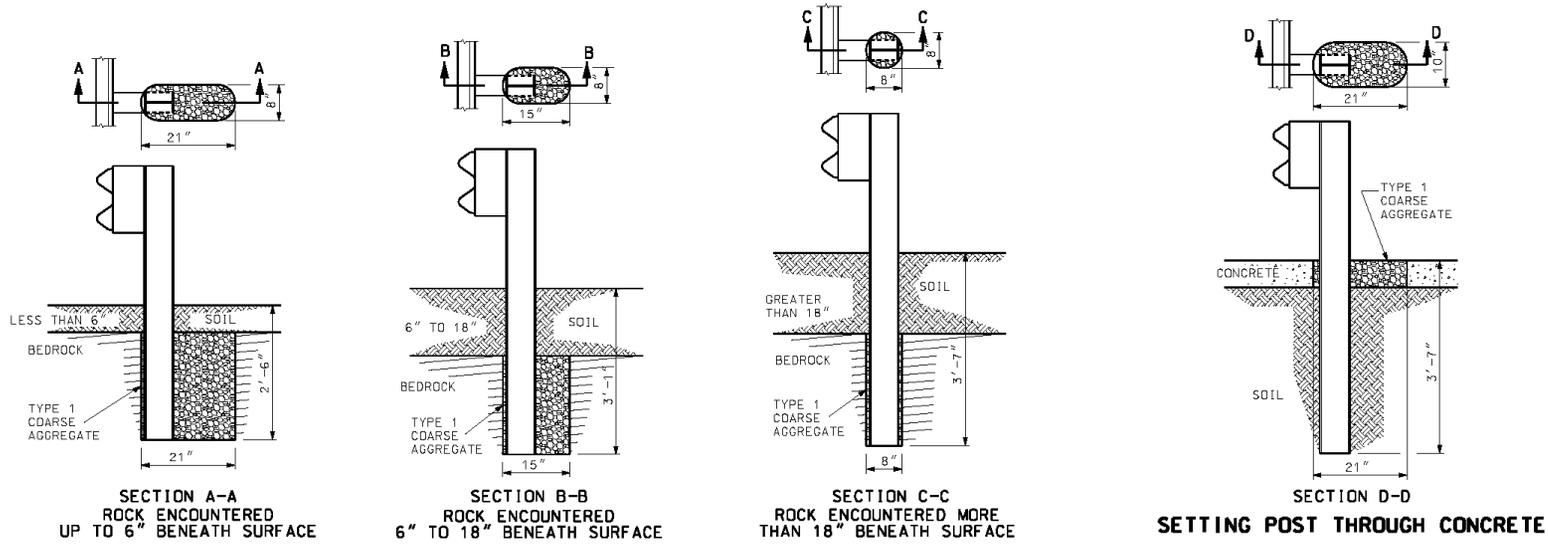
**LOCATION OTHER THAN € MEDIAN  
LATERAL PLACEMENT OF GUARDRAIL  
FOR SHOULDER INSTALLATION**

 <b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
<small>"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."</small>	<h2 style="margin: 0;">GUARDRAIL</h2>
DATE EFFECTIVE: 10/01/2007 DATE PREPARED: 8/21/2008	<b>606-00AT</b>
SHEET NO. <b>1 OF 17</b>	

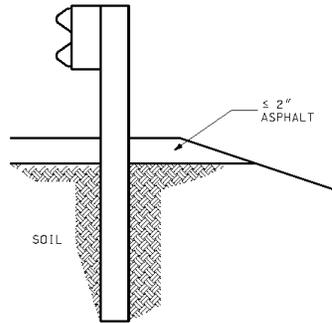
Route 40,  
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**SETTING POST IN SOLID ROCK**



**SETTING POST THROUGH ASPHALT**

**GENERAL NOTES:**

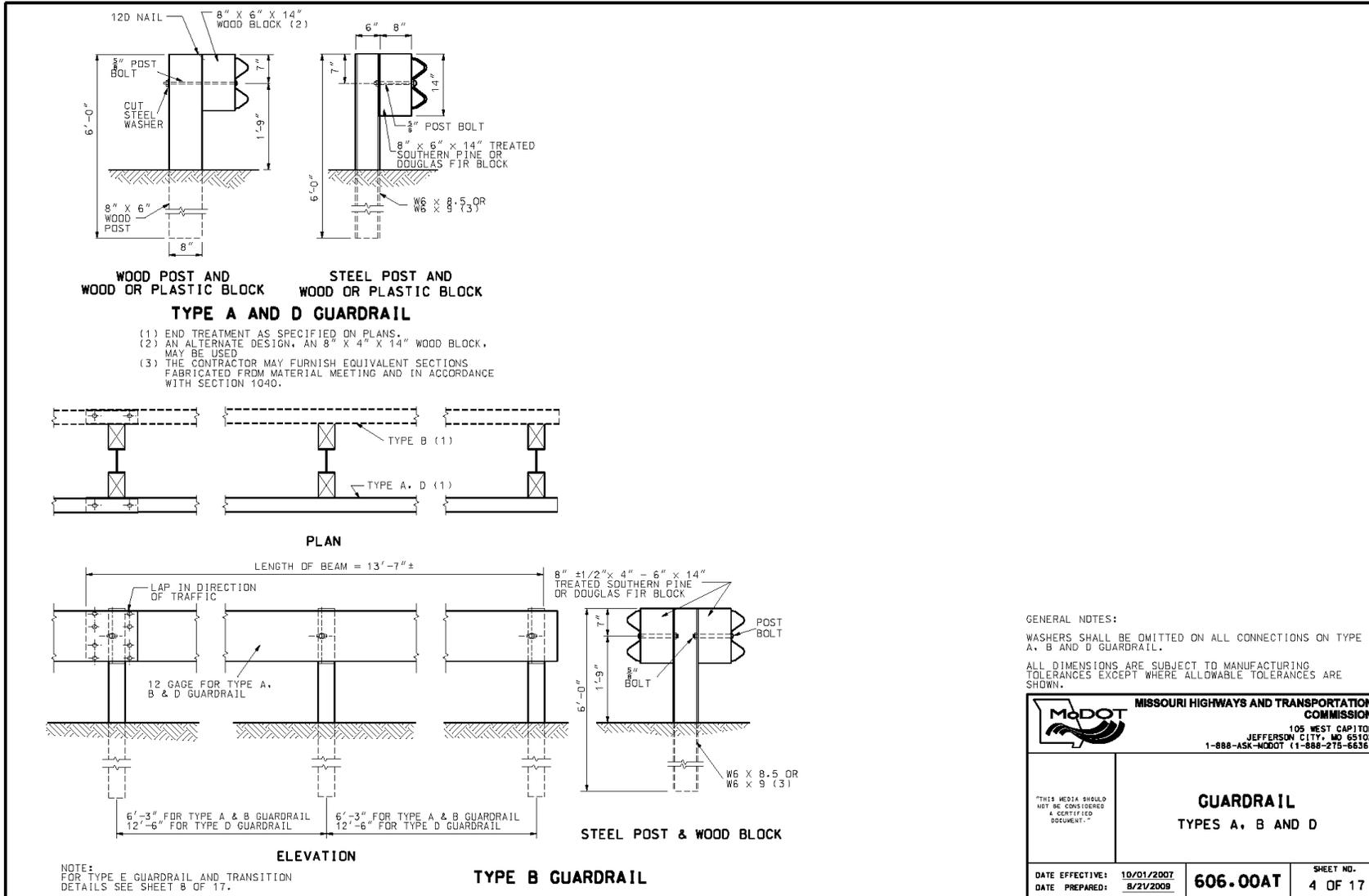
Holes in solid rock shall provide a diameter of not less than 4 inches greater than the maximum transverse dimension of the post section.

Post may be shorter where placed in 2 feet of solid rock. Steel posts may be flame or saw cut. Repair of cut shall be in accordance with Section 712 of the Standard Specifications.

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	<b>GUARDRAIL SETTING POST IN SOLID ROCK AND THROUGH CONCRETE OR ASPHALT</b>	
<small>THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.</small>	DATE EFFECTIVE: 10/01/2007 DATE PREPARED: 8/22/2008	<b>606.00AT</b> SHEET NO. 3 OF 17

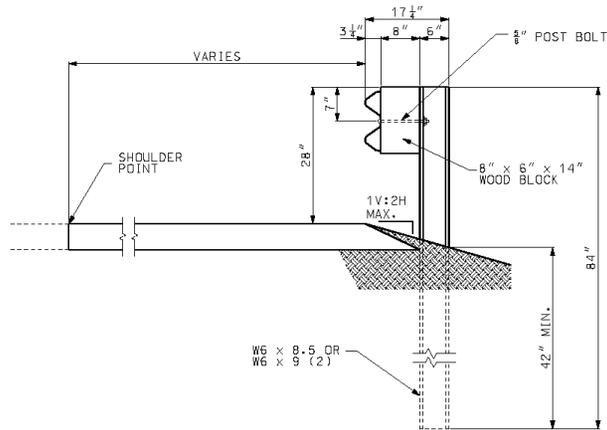
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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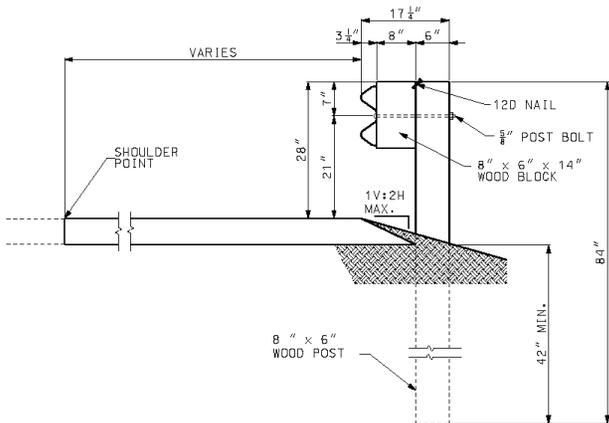


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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Guardrail Upgrades  
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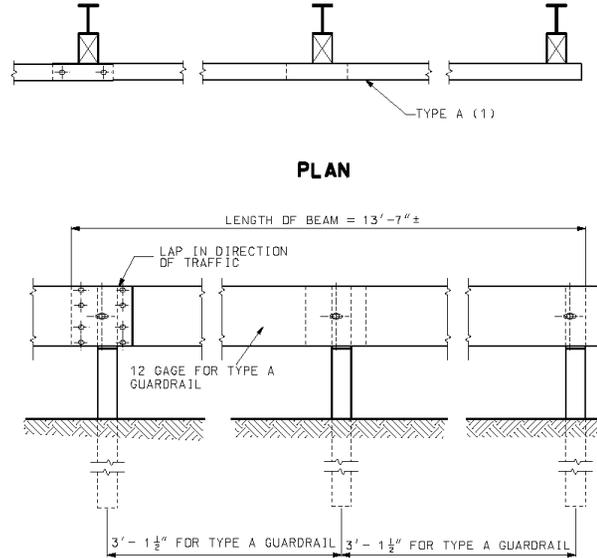


**STEEL POST AND WOOD BLOCK  
TYPICAL SECTION**



**WOOD POST AND BLOCK  
TYPICAL SECTION**

NOTE:  
(1) END TREATMENT AS SPECIFIED ON PLANS  
(2) POST EMBEDDED A MINIMUM OF 42" IN SOIL.



**PLAN**

**ELEVATION**

GENERAL NOTES:

WASHERS SHALL BE OMITTED ON ALL CONNECTIONS ON TYPE A GUARDRAIL.

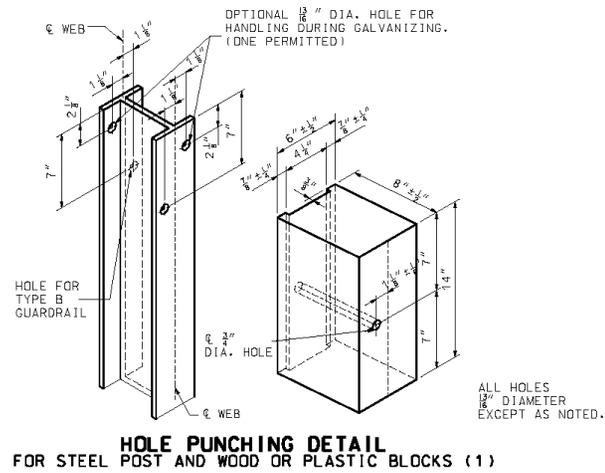
POST MAY BE WOOD OR STEEL WITH ONLY ONE MATERIAL ALLOWED WITHIN A SINGLE PROJECT, EXCEPT FOR END TREATMENTS.

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.

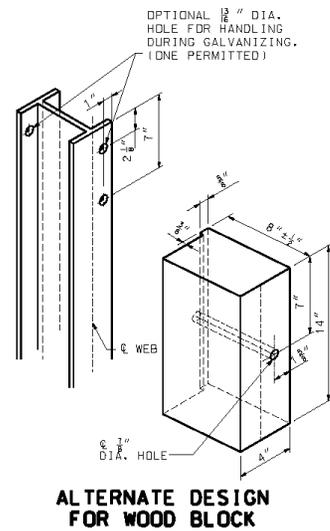
 <b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)		<b>GUARDRAIL</b> <b>7 FT. POST</b>	

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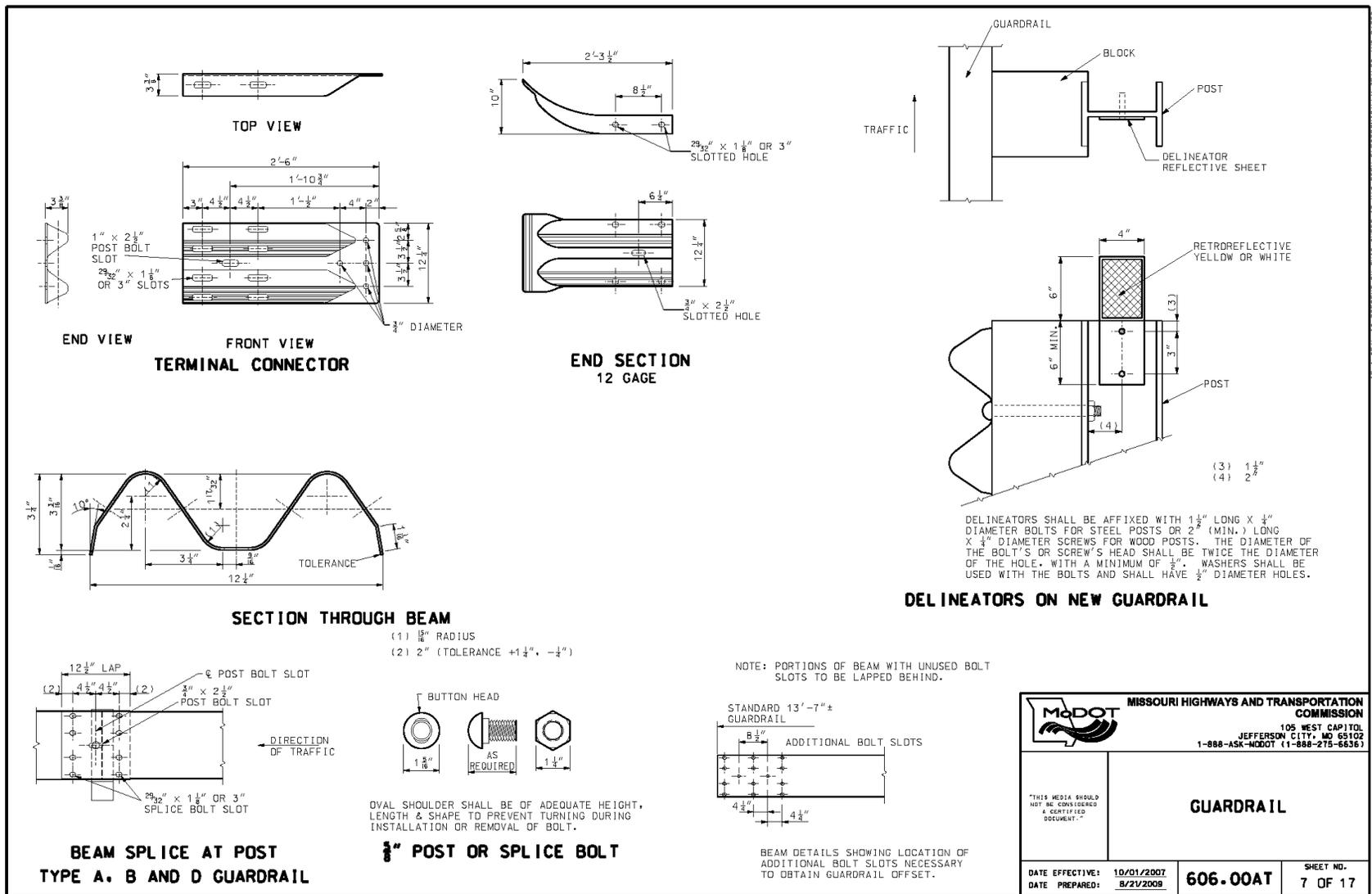
(1) THE OVERALL NOMINAL DIMENSIONS SHOWN SHALL BE MET, ALTHOUGH THE SHAPE OF THE PLASTIC BLOCKS MAY VARY FROM THE SHAPE SHOWN, EXCEPT THE  $\frac{7}{8}$ "  $\pm$   $\frac{1}{8}$ " FLANGE AND THE OVERALL WIDTH DIMENSIONS MAY BE WAIVED IF APPROVED BY PROJECT OPERATIONS.



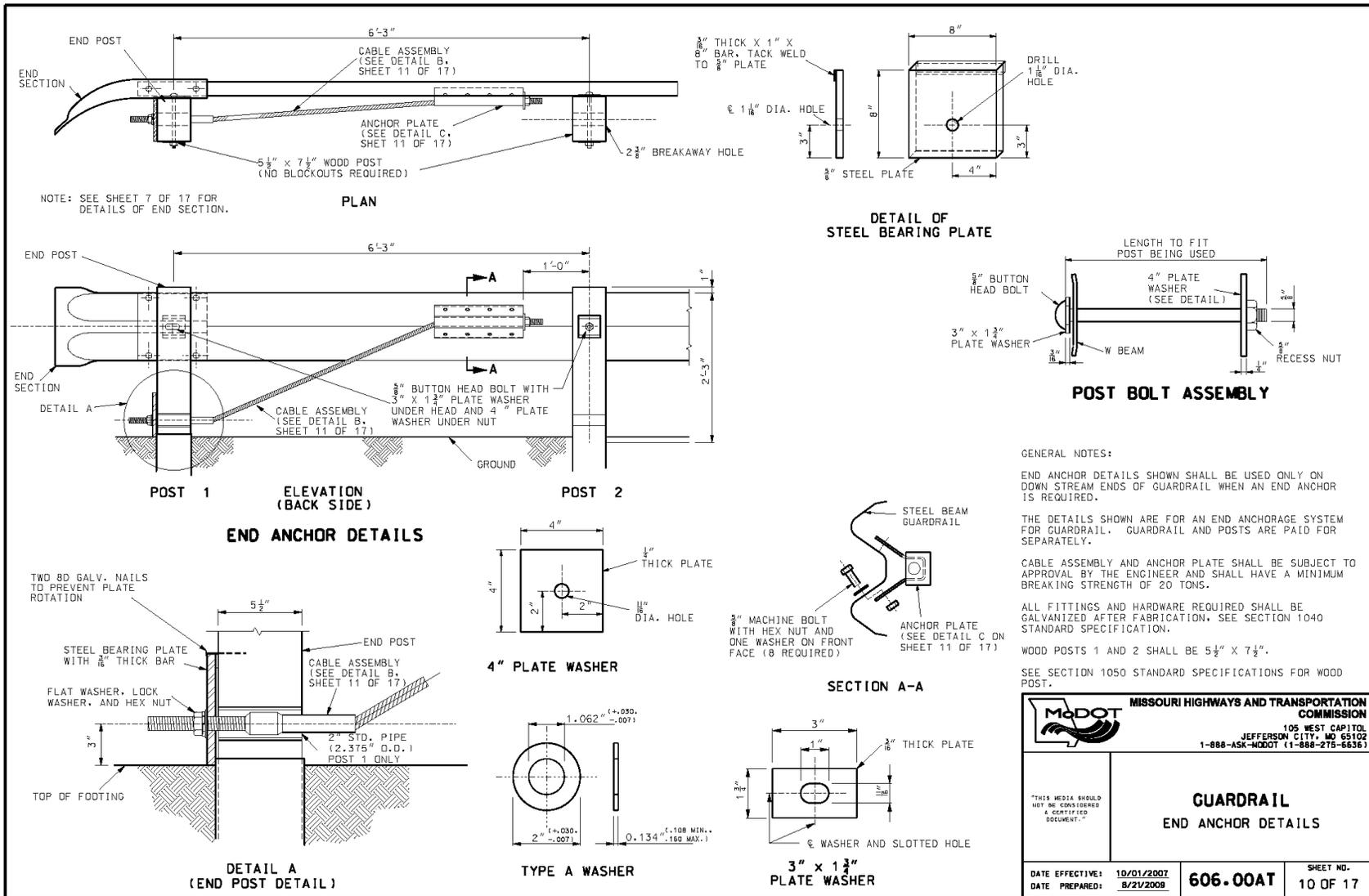
 <b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MDDOT (1-888-275-6636)	
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."	
<b>GUARDRAIL</b>	
DATE EFFECTIVE: 10/01/2007 DATE PREPARED: 8/21/2009	<b>606.00AT</b>
SHEET NO. <b>6 OF 17</b>	

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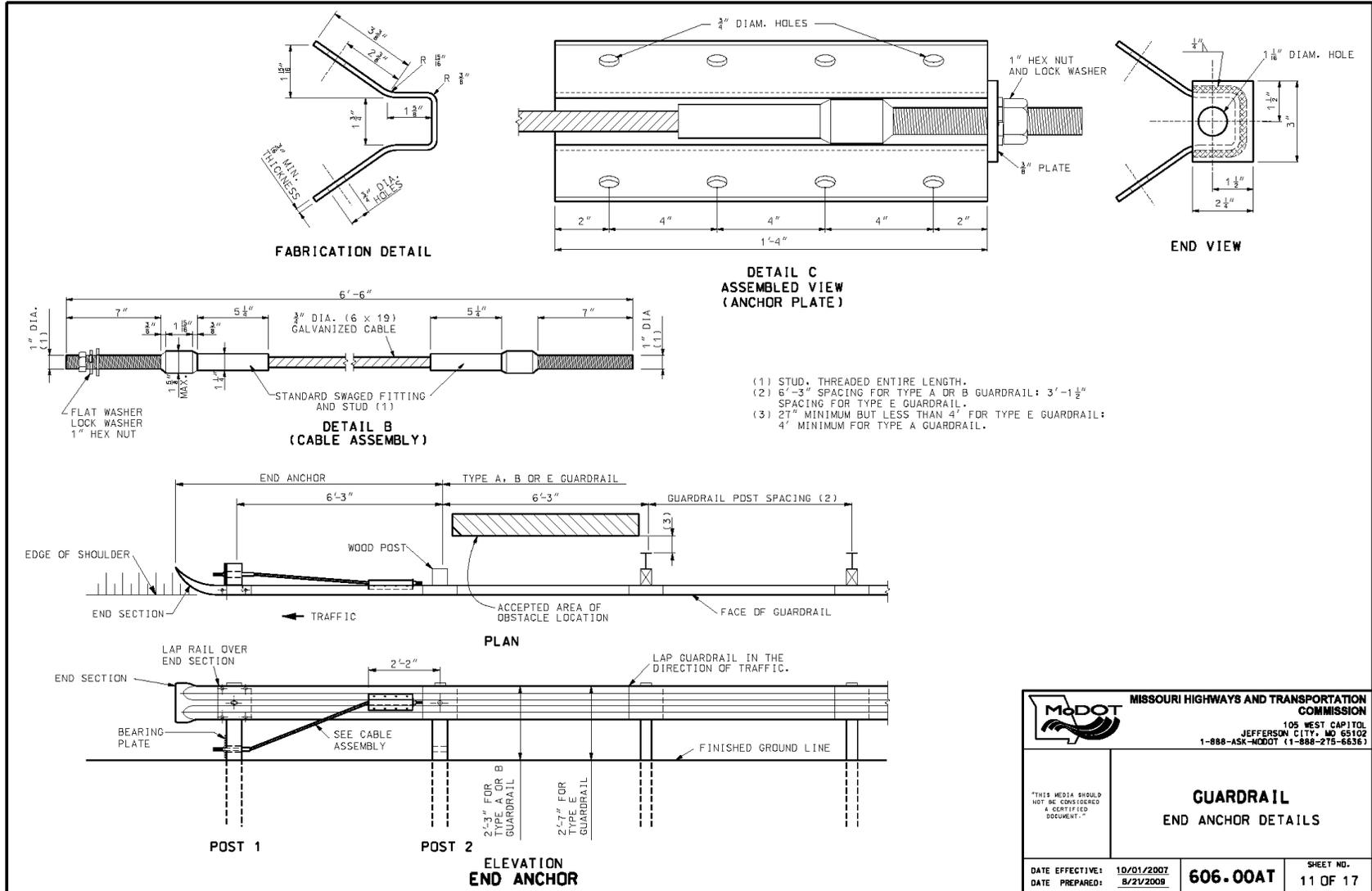
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<b>GUARDRAIL END ANCHOR DETAILS</b>	
<small>*THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.*</small>	<b>606-00AT</b>
DATE EFFECTIVE: 10/01/2007 DATE PREPARED: 8/21/2008	SHEET NO. 10 OF 17

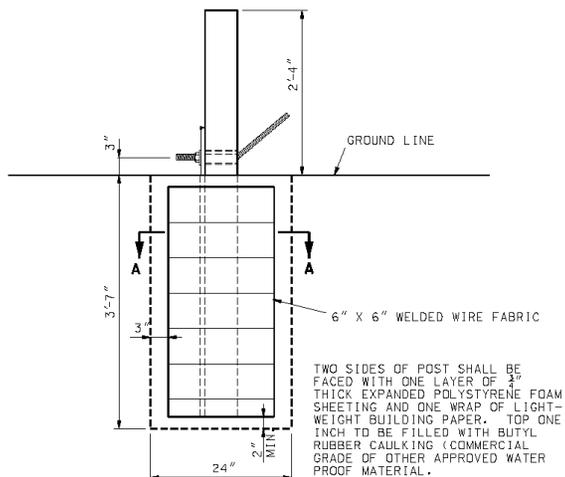
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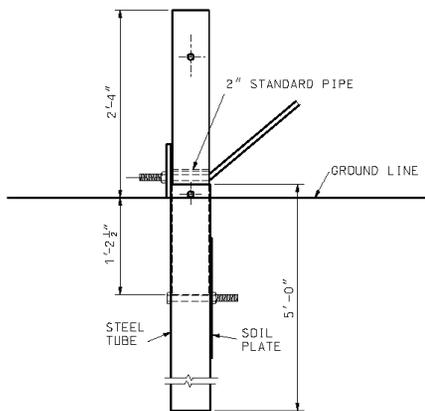
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRICALLY SEALED AND DATED.

 <b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
<b>GUARDRAIL</b> <b>END ANCHOR DETAILS</b>	
DATE EFFECTIVE: 10/01/2007 DATE PREPARED: 8/21/2009	<b>606-00AT</b>
SHEET NO. <b>11 OF 17</b>	

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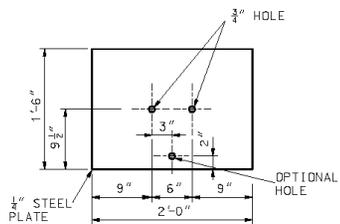
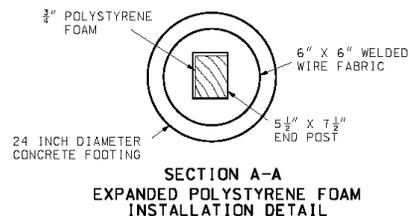


POST 1  
CONCRETE FOUNDATION FOR END ANCHORS

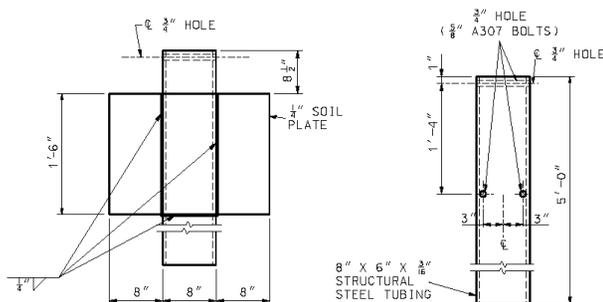


POST 1  
STEEL TUBE FOUNDATION FOR END ANCHORS

BOLTS AND NUTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO M232, OR THEY MAY BE MECHANICALLY GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

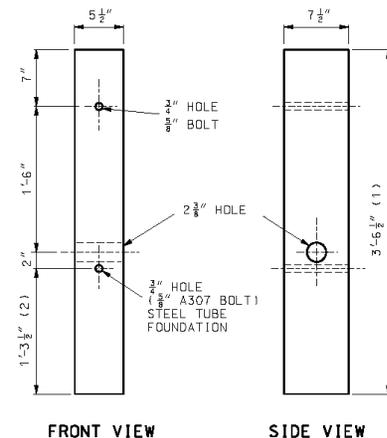


SOIL PLATE



SHOP WELDED  
SOIL PLATE CONNECTION

STEEL TUBE



WOOD BREAKAWAY POST  
SEE SECTION 1050

- (1) 5'-9 1/2" FOR CONCRETE FOUNDATION ALTERNATE.
- (2) 3'-6 1/2" FOR CONCRETE FOUNDATION ALTERNATE.

GENERAL NOTES:

THE CONTRACTOR HAS THE OPTION TO INSTALL WOOD POST 1 AND 2 IN STEEL TUBE OR CONCRETE FOUNDATION.

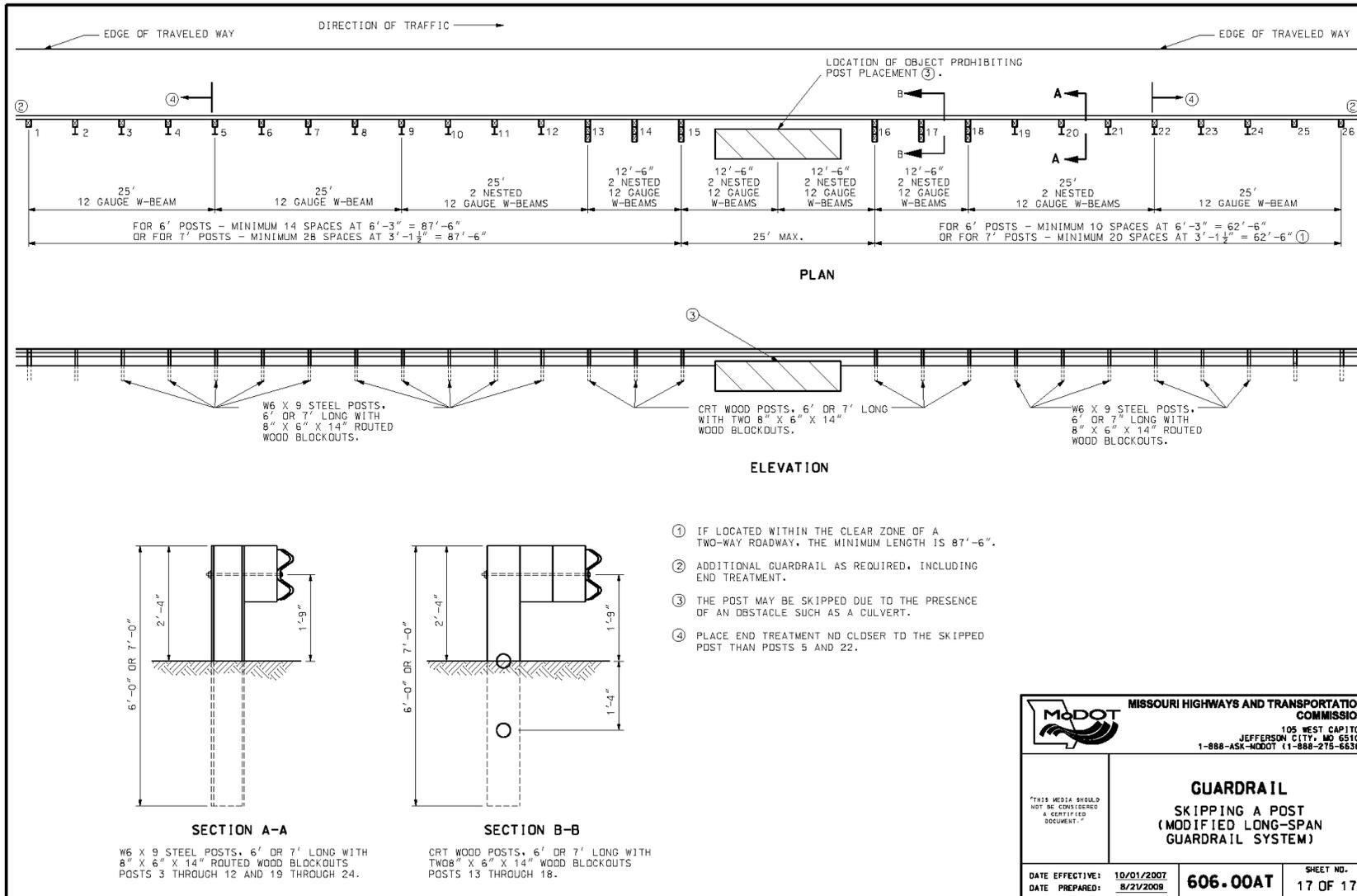
TRIMMING OF WOOD POST MAY BE NECESSARY FOR STEEL TUBE FOUNDATION.

STEEL TUBE FOUNDATIONS SHALL BE DRILLED AND BACK-FILLED WITH A SUITABLE MATERIAL WHEN THE SOIL PLATE IS BOLTED, AS SHOWN, TO THE STEEL TUBE. STEEL TUBE FOUNDATION MAY BE DRIVEN WHEN THE SOIL PLATE IS WELDED, AS SHOWN, TO THE STEEL TUBE.

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DATE EFFECTIVE:	10/01/2007	<b>606.00AT</b>	SHEET NO.
DATE PREPARED:	8/27/2008		12 OF 17

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