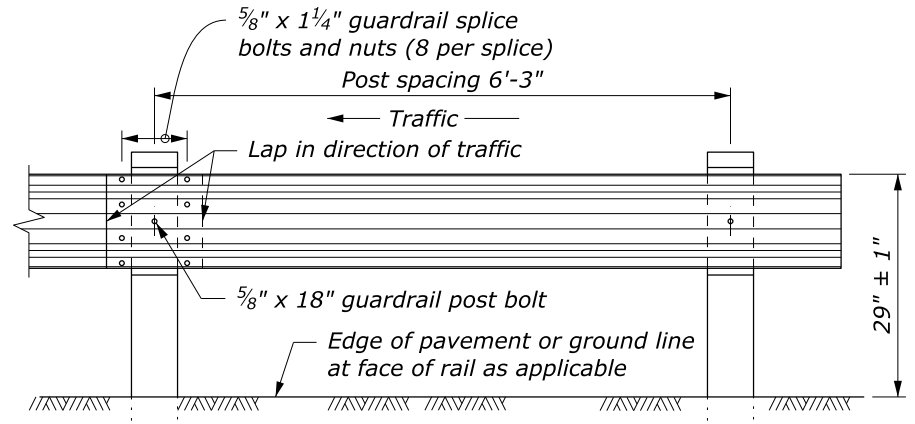
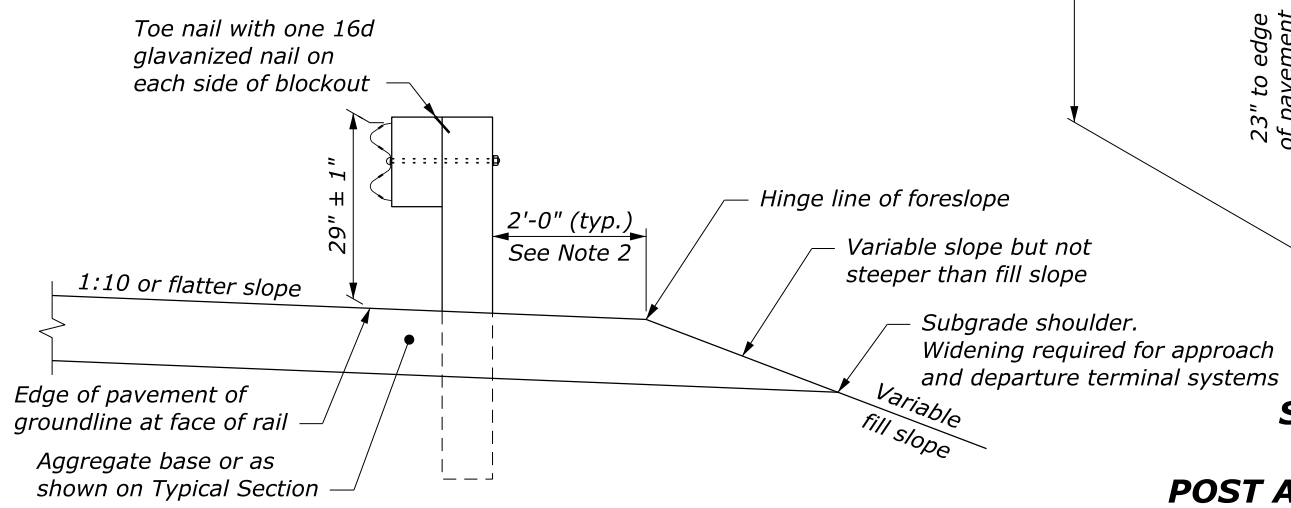


3/4" x 2 1/2" post bolt slot at 6'-3" spacing, center to center  
 29/32" x 1 1/8" splice bolt slot. 8 required, each end of rail  
**RAIL ELEVATION**

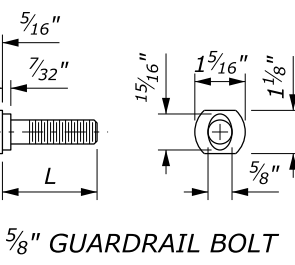
**W BEAM RAIL**



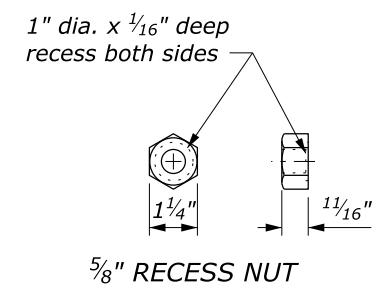
**POST SPACING STANDARD POST SECTION**



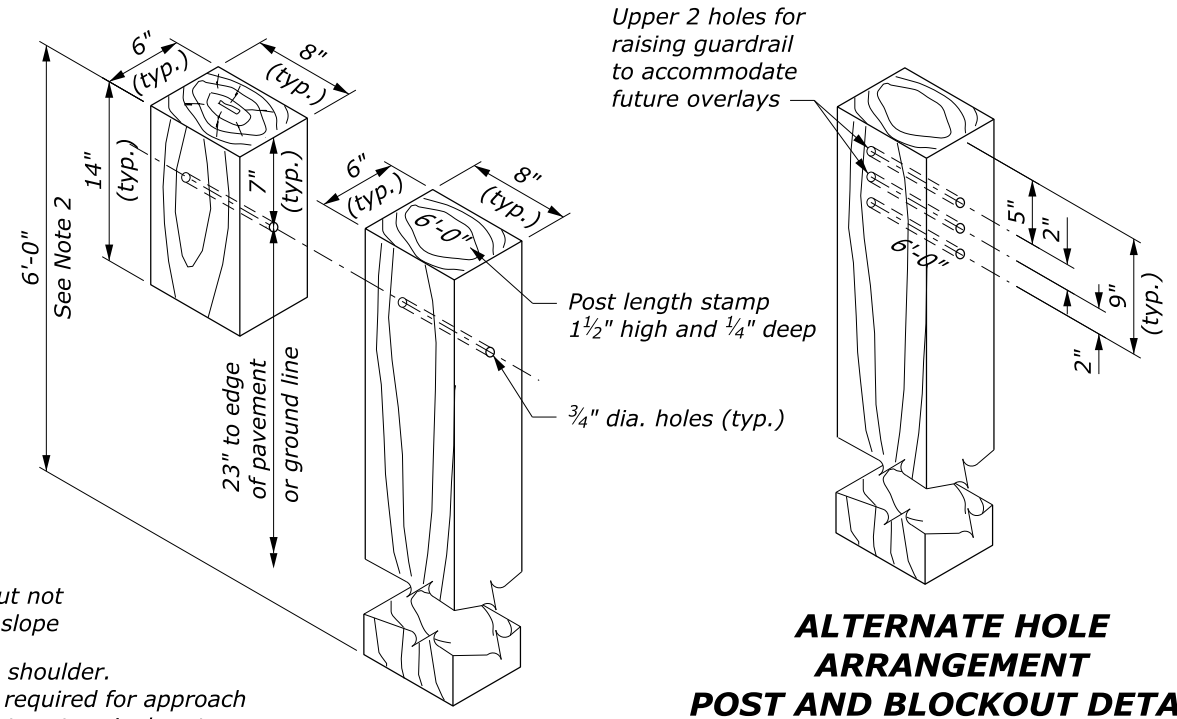
**TYPICAL GUARDRAIL CROSS SECTION**



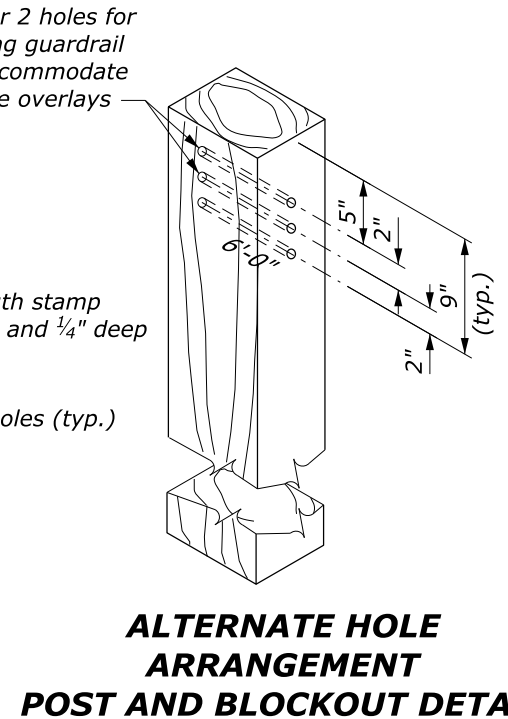
L	Thread Length
1 1/4"	1 1/8" minimum
2"	1 3/4" minimum
10"	4" minimum
18"	4" minimum
25"	4" minimum



**GUARDRAIL BOLT AND RECESS NUT**

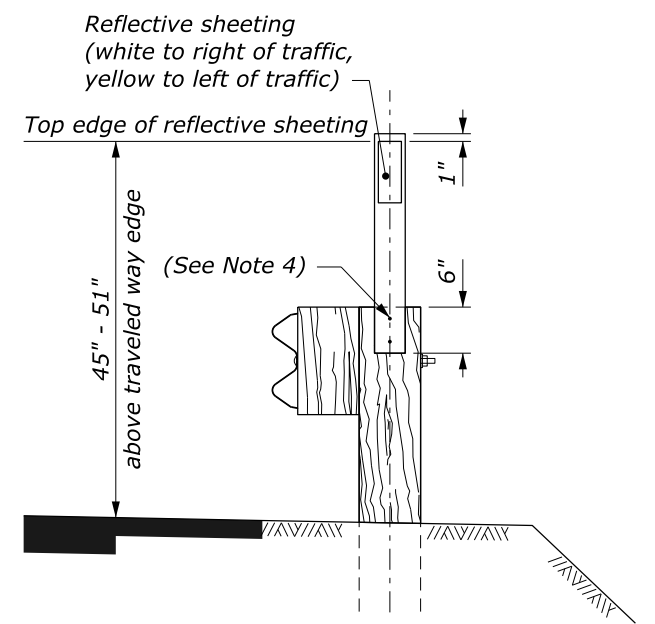


**STANDARD HOLE ARRANGEMENT POST AND BLOCKOUT DETAIL**



**ALTERNATE HOLE ARRANGEMENT POST AND BLOCKOUT DETAIL**

- NOTE:**
- When encountering impenetrable material, see Standard 617-13.
  - See Special Contract Requirements when 7 foot or longer posts are specified.
  - See Special Contract Requirements when the alternate hole arrangement is specified.
  - Install delineator every fourth post. Fasten delineator to post using two 2" x 3/8" lag screws with washers, along centerline of post; or fasten as specified by the manufacturer. Alternate delineator types may be used if approved.
  - Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.

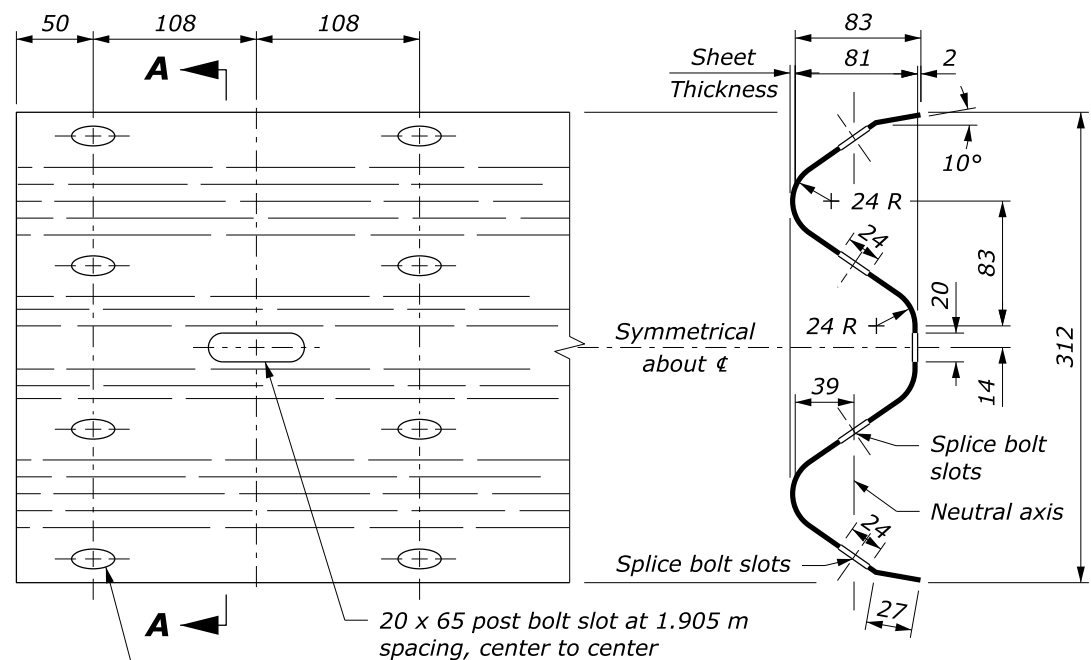


**FLEXIBLE GUIDE POST GUARDRAIL MOUNT**

NO SCALE

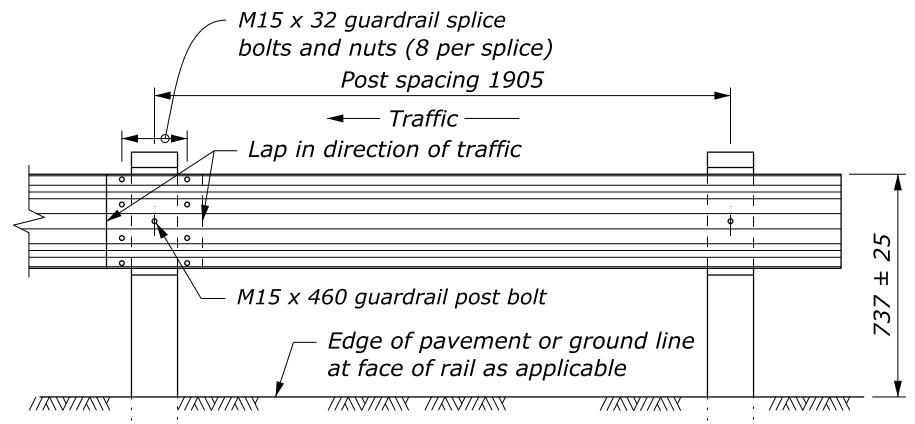
U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD 617-10
<b>G4 W-BEAM GUARDRAIL WOOD POSTS</b>	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

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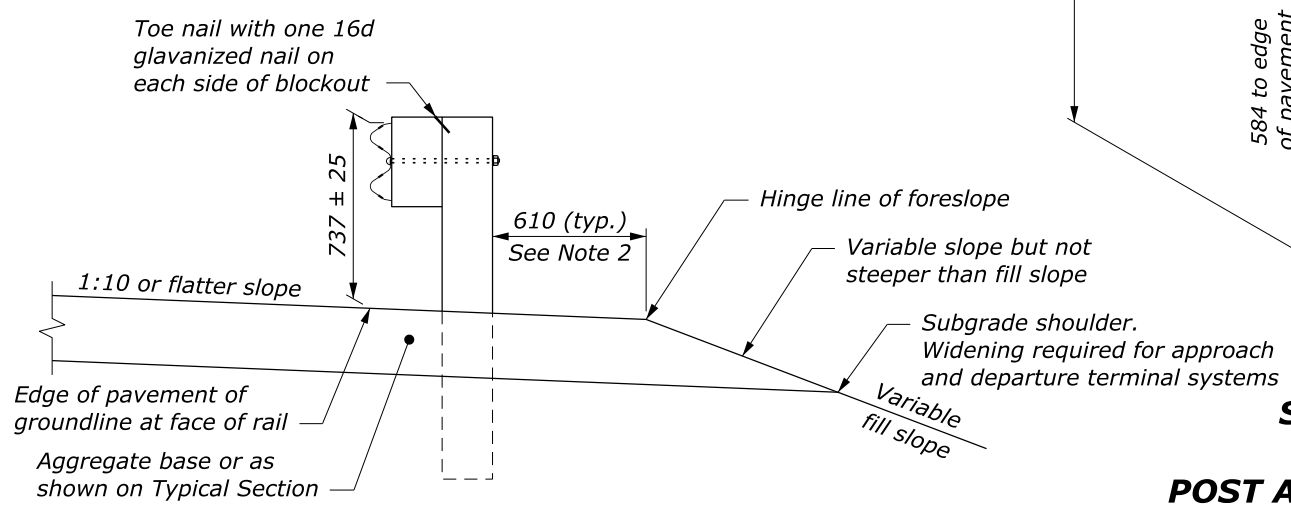


SECTION A-A  
RAIL ELEVATION

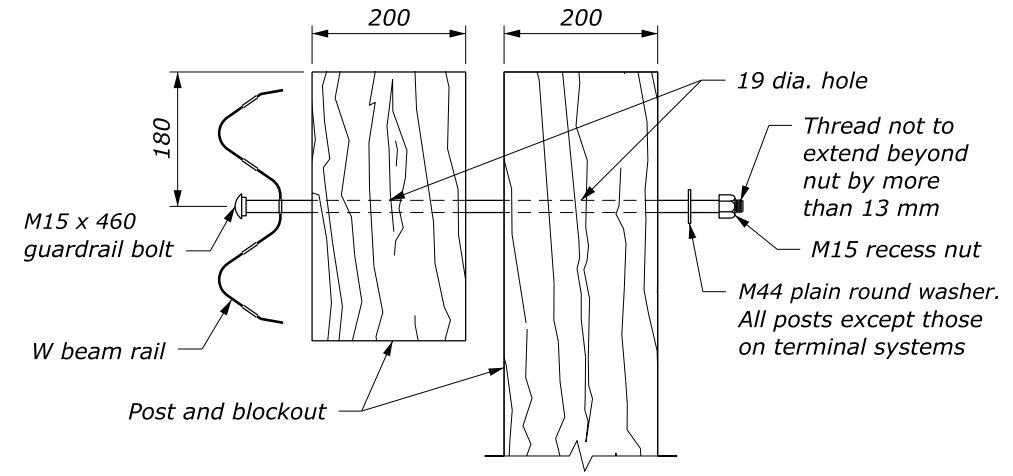
**W BEAM RAIL**



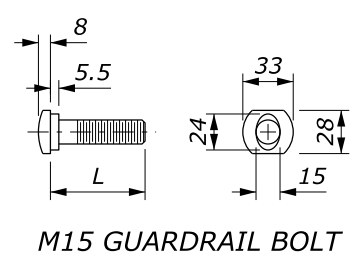
**POST SPACING  
STANDARD POST SECTION**



**TYPICAL GUARDRAIL CROSS SECTION**

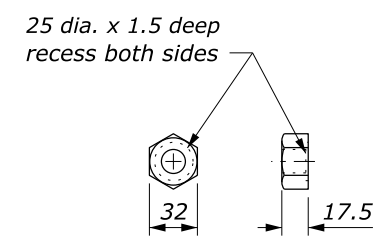


**POST BOLT ASSEMBLY**



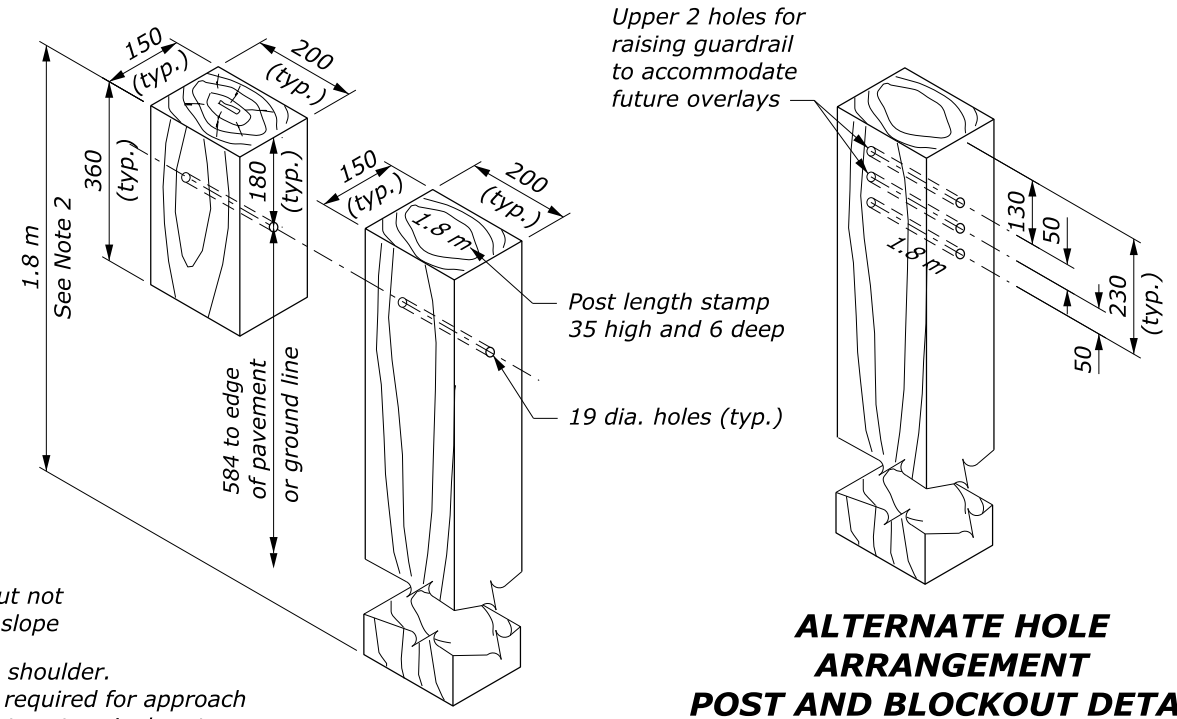
**M15 GUARDRAIL BOLT**

L	Thread Length
32	30 minimum
50	45 minimum
255	100 minimum
460	100 minimum
640	100 minimum



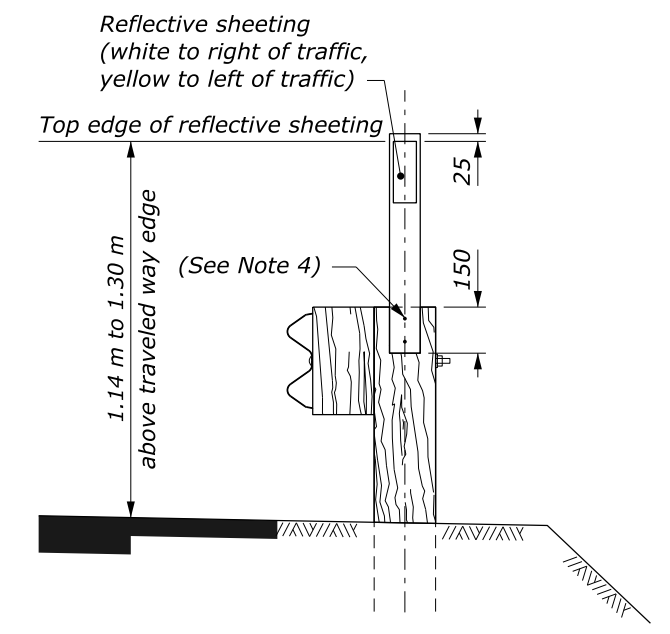
**M15 RECESS NUT**

**GUARDRAIL BOLT AND RECESS NUT**



**STANDARD HOLE  
ARRANGEMENT  
POST AND BLOCKOUT DETAIL**

**ALTERNATE HOLE  
ARRANGEMENT  
POST AND BLOCKOUT DETAIL**



**FLEXIBLE GUIDE POST  
GUARDRAIL MOUNT**

**NOTE:**

1. When encountering impenetrable material, see Standard M617-13.
2. See Special Contract Requirements when 2 m or longer posts are specified.
3. See Special Contract Requirements when the alternate hole arrangement is specified.
4. Install delineator every fourth post. Fasten delineator to post using two 50 mm x 10 mm lag screws with washers, along centerline of post; or fasten as specified by the manufacturer. Alternate delineator types may be used if approved.
5. Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.
6. Furnish hardware in the metric sizes shown. Equivalent US Customary sizes may be used when metric sizes are unavailable.

This drawing contains **Metric** units of measure. Dimensions without units are millimeters.

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD M617-10
<b>G4 W-BEAM GUARDRAIL WOOD POSTS</b>	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

NO SCALE

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