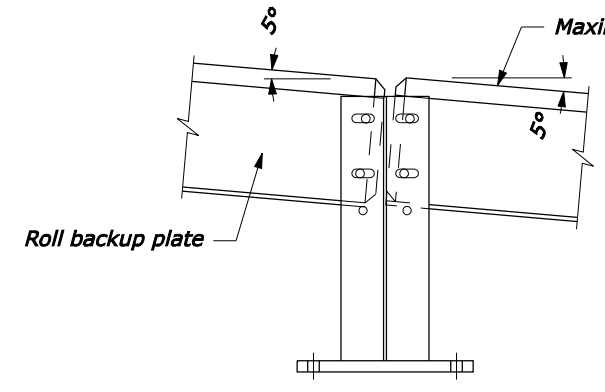


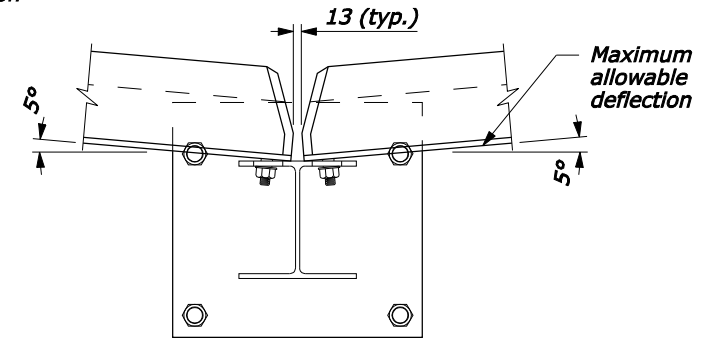
PLAN VIEW

NOTE:

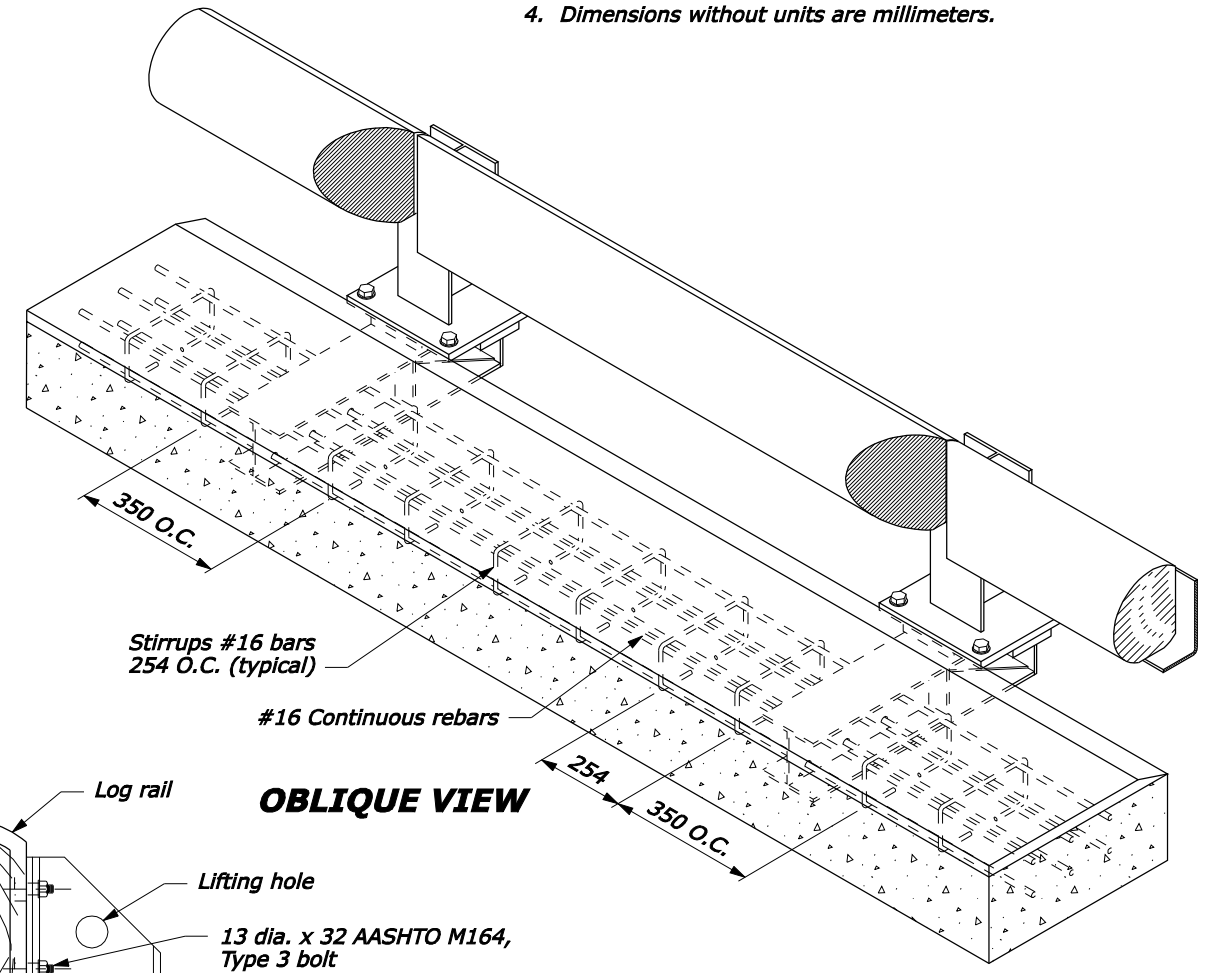
1. Steel is ASTM A242 or A588, Grade 50.
2. Concrete: minimum $f'c = 24$ MPa.
3. Furnish hardware in equivalent U.S. Customary sizes.
4. Dimensions without units are millimeters.



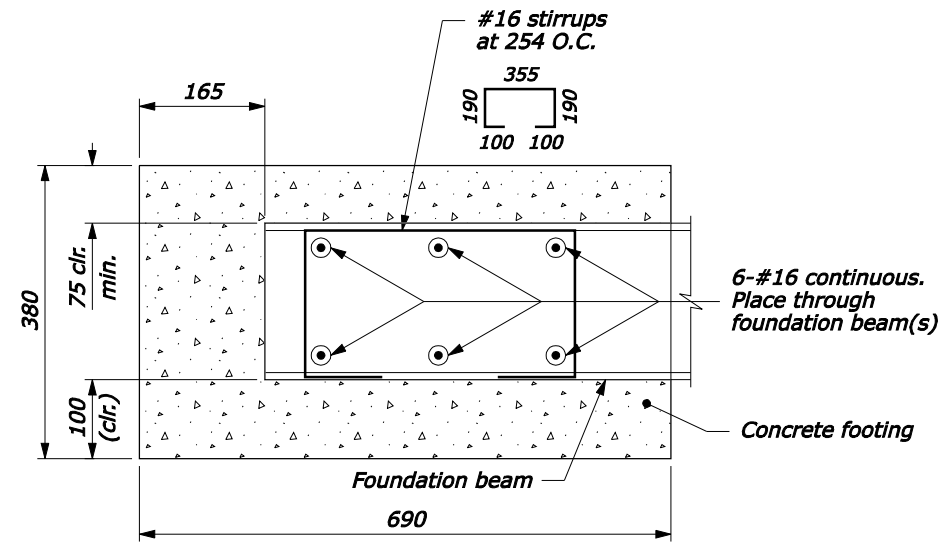
**ENDS OF RAILS AT POST:
MAXIMUM VERTICAL
DEFLECTION ALLOWABLE
ELEVATION**



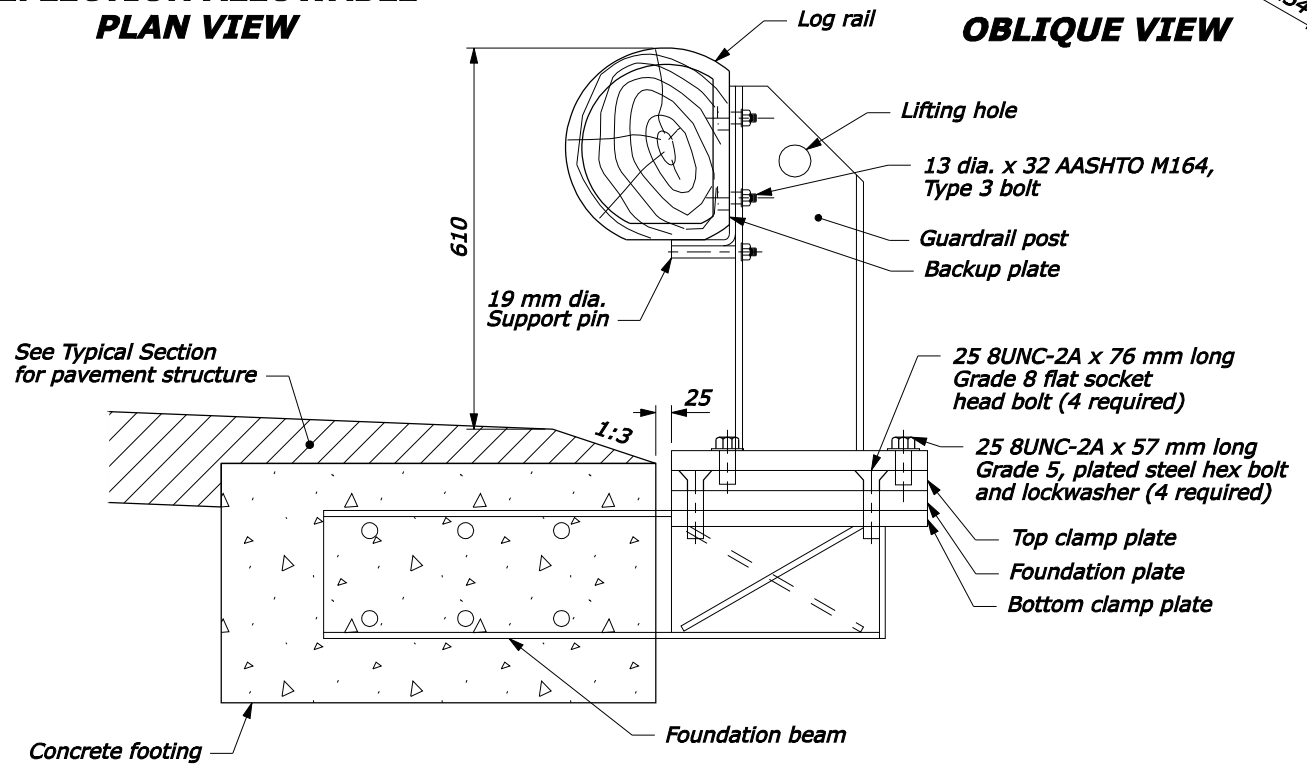
**MAXIMUM HORIZONTAL
DEFLECTION ALLOWABLE
PLAN VIEW**



OBLIQUE VIEW



**FOOTING DETAIL
TYPICAL SECTION**



TYPICAL SECTION

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
WESTERN FEDERAL LANDS HIGHWAY DIVISION

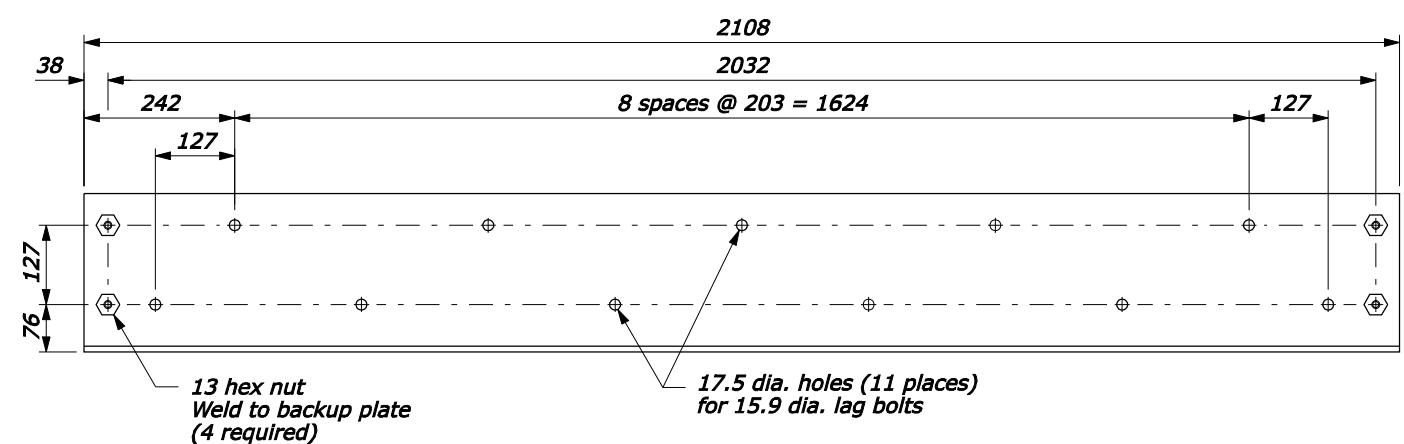
METRIC DETAIL
REMOVABLE
STEEL-BACKED LOG RAIL
Sheet 1 of 3

DETAIL APPROVED FOR USE 3/2009
REVISED:

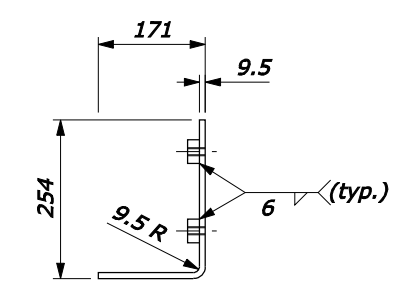
DETAIL
WM617-83

NO SCALE

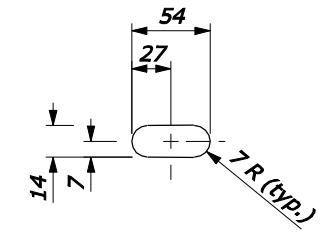
2211428-b-y 1:M 00000000
 fpp://196.145.188.2/scd_plan/wf/w61783.dgn [Metric]



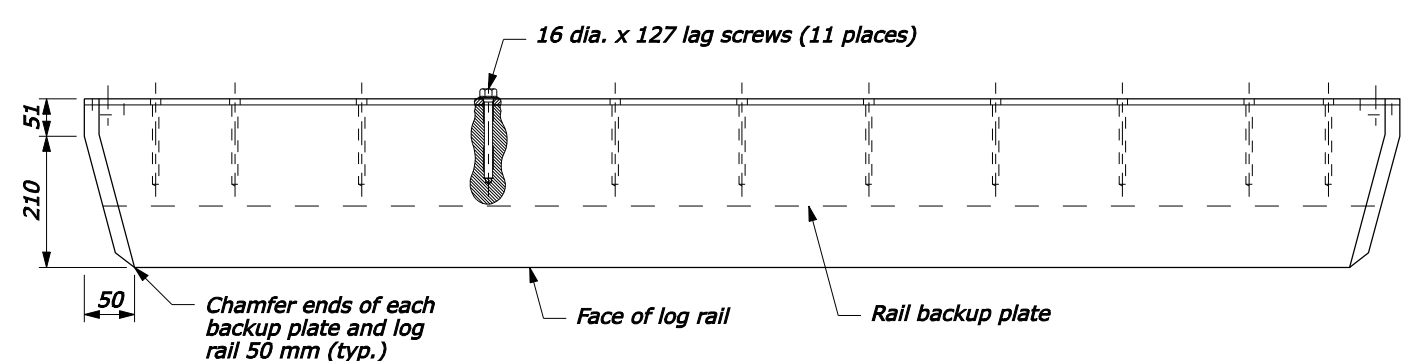
**RAIL BACKUP PLATE
ELEVATION VIEW**



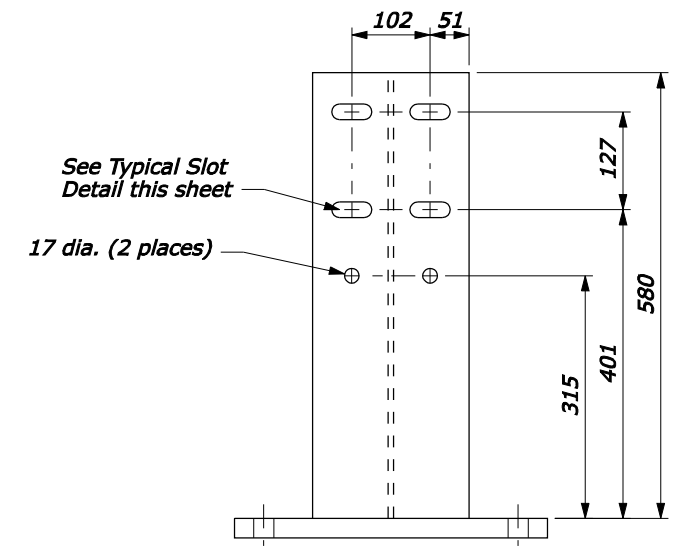
**RAIL BACKUP PLATE
SECTION VIEW**



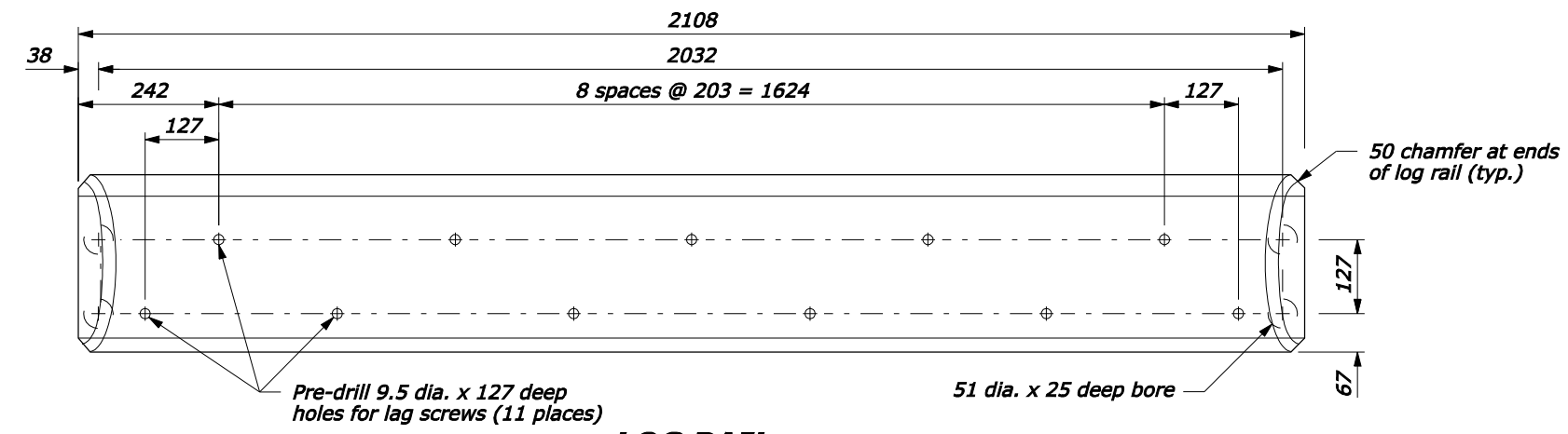
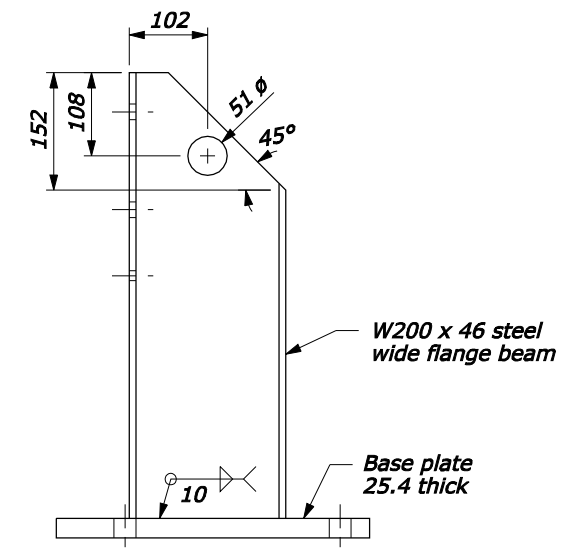
TYPICAL SLOT DETAIL



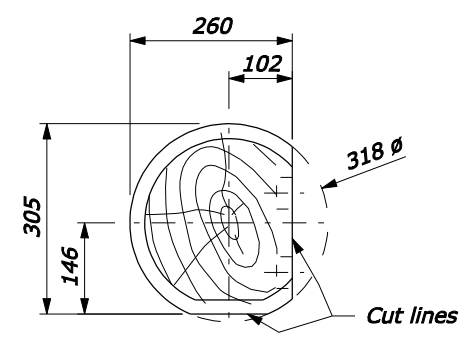
**LOG RAIL & RAIL BACKUP PLATE
PLAN VIEW**



GUARDRAIL POST



**LOG RAIL
ELEVATION VIEW**

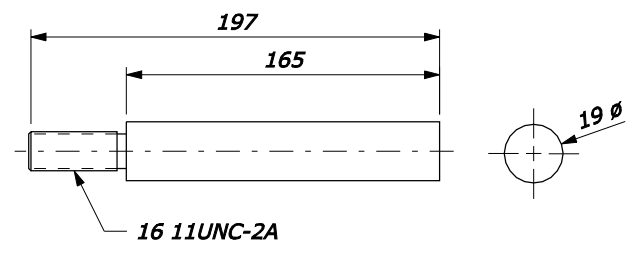


**LOG RAIL
SECTION VIEW**

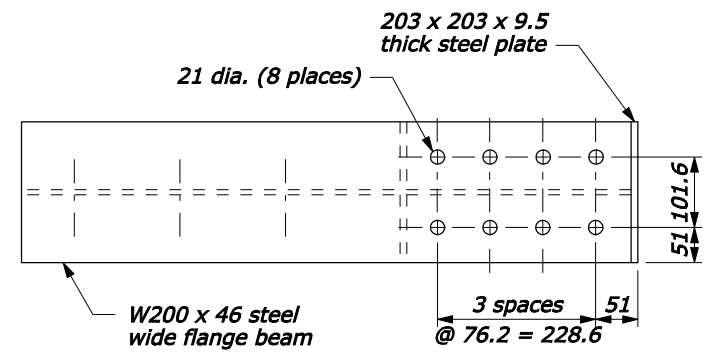
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
REMOVABLE STEEL-BACKED LOG RAIL	
Sheet 2 of 3	
DETAIL APPROVED FOR USE 3/2009	DETAIL
REVISED:	WM617-83

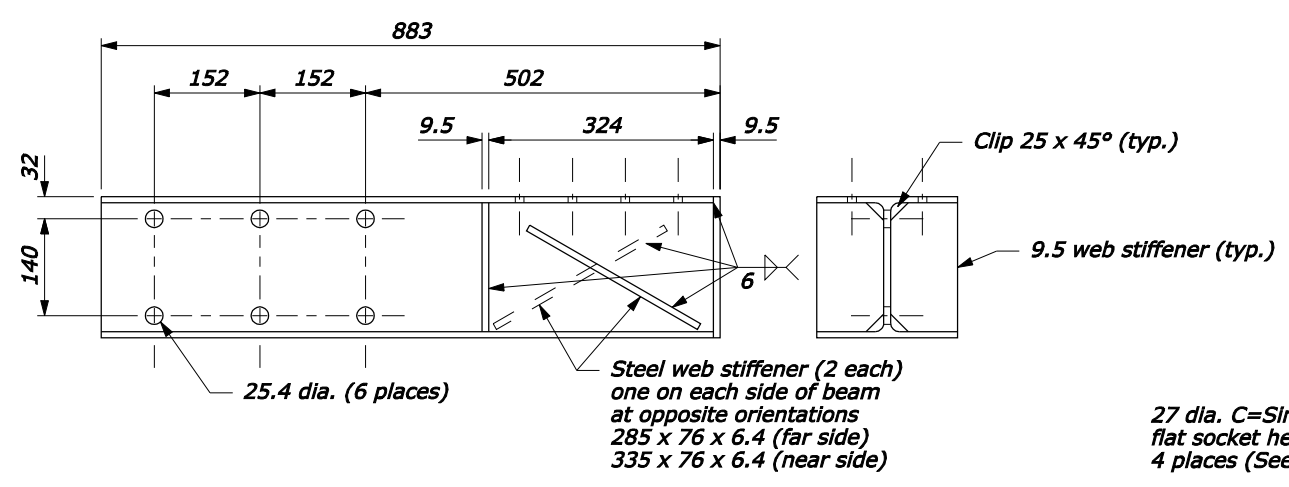
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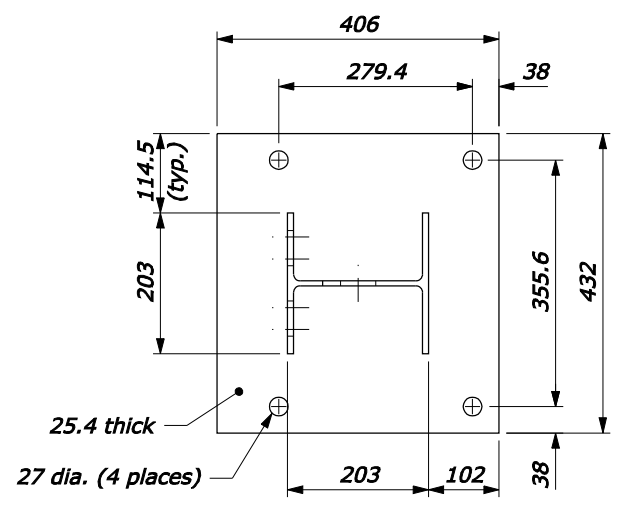
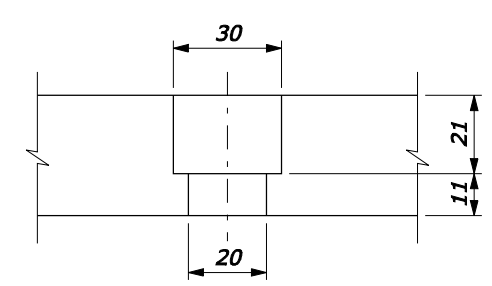
SUPPORT PIN



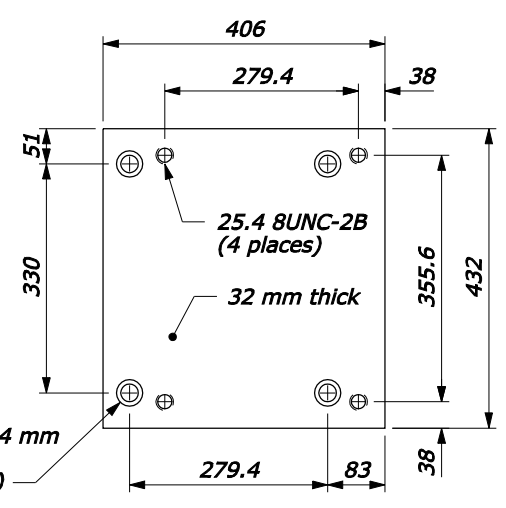
FOUNDATION BEAM



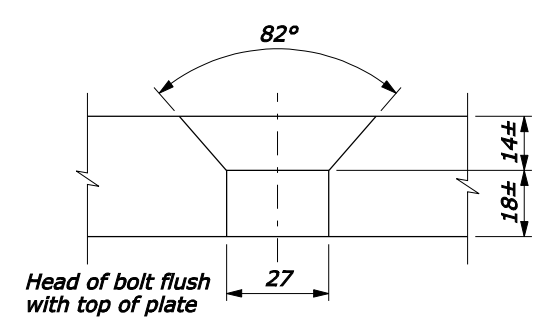
DETAIL A



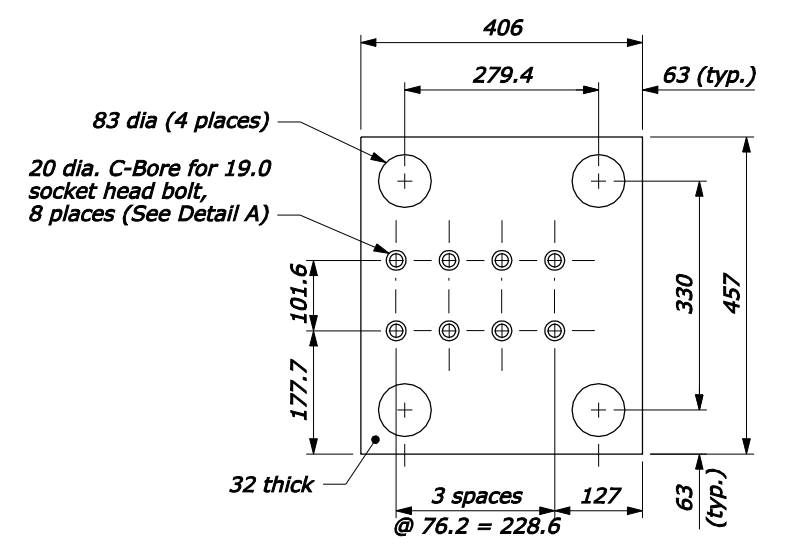
RAIL POST BASE PLATE



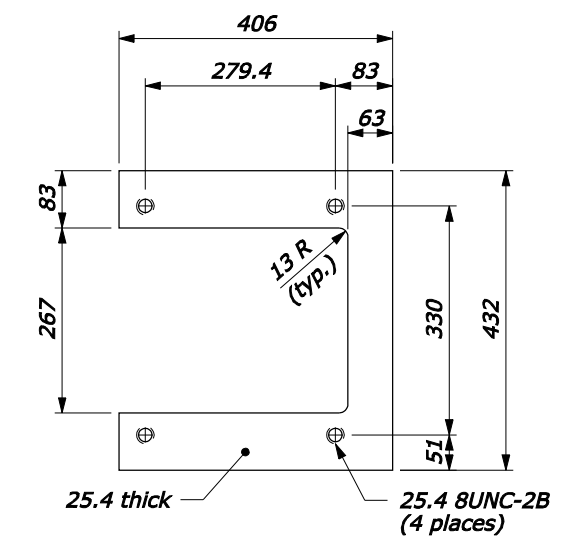
TOP CLAMP PLATE



DETAIL B



FOUNDATION PLATE



BOTTOM CLAMP PLATE

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL REMOVABLE STEEL-BACKED LOG RAIL Sheet 3 of 3	
DETAIL APPROVED FOR USE 3/2009	DETAIL WM617-83

2211428-b-y 1:M 00000000
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