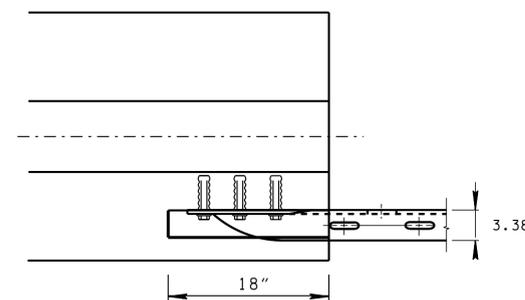
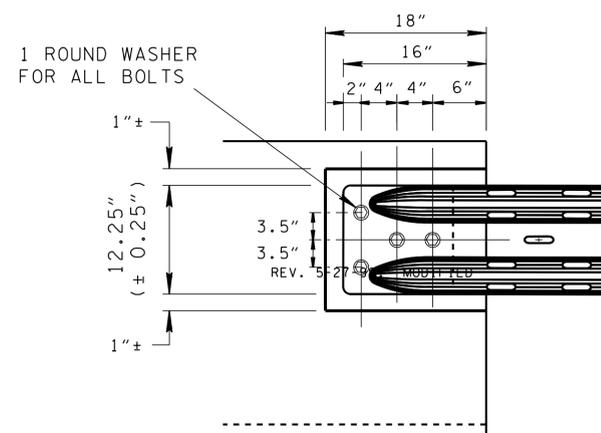


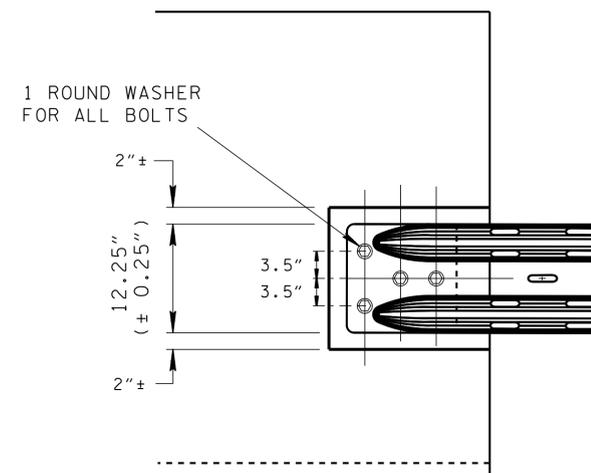
TOP VIEW



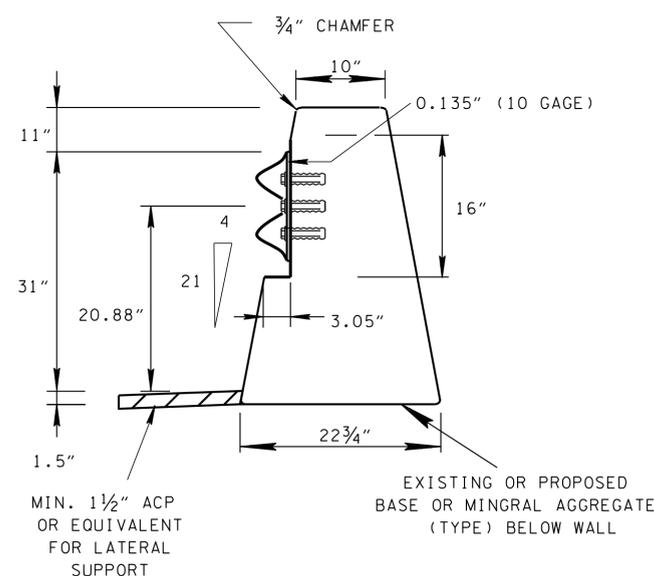
TOP VIEW



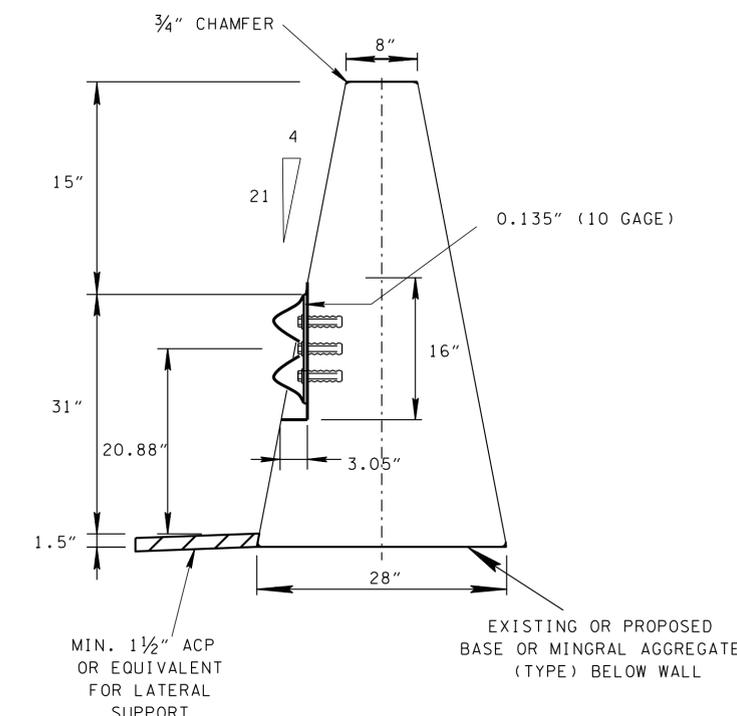
FRONT VIEW



FRONT VIEW



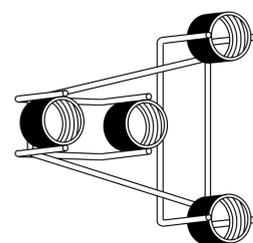
SIDE VIEW



SIDE VIEW

GUARDRAIL CONNECTION TO 32" SINGLE SLOPE CONCRETE BARRIER WALL

GUARDRAIL CONNECTION TO 51" SINGLE SLOPE CONCRETE BARRIER WALL



ANCHOR BLOCK INSERT ASSEMBLY

CAST IN PLACE THREADED STEEL INSERT WITH
 7/8" DIA. X 2" HEX HEAD GALVANIZED BOLTS (ASTM A307)
 HOT DIP ZINC COATING ASTM A153

GENERAL NOTES

- ① REQUIREMENTS FOR ANCHOR INSERT BOLTS SHALL BE 7/8" HEX HEAD INSTALLED IN 7/8" MASONRY ANCHOR. THE INSERTS ARE TO BE THREADED A MINIMUM OF 1 3/4 INCHES. THE CONTRACTOR SHALL FURNISH ANCHOR PULL-OUT DATA FROM AN INDEPENDENT TESTING LABORATORY USING CLASS "A" CONCRETE IN ACCORDANCE WITH STATE OF TENNESSEE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" THE ULTIMATE LOAD FOR 7/8" ANCHOR SHALL BE 19,000 POUNDS. BOLTS SHALL CONFORM TO ASTM A307.
- ② THE MASONRY ANCHORS SHALL BE SUB-SET IN THE CONCRETE AT A DEPTH OF BETWEEN 3/32" TO 1/4" AND TORQUED WITH THE END TERMINAL IN THE PLACE TO AN EQUIVALENT DIRECT PULL-OUT LOAD OF 12,000 POUNDS. SLIPPAGE SHALL NOT EXCEED 1/4".
- ③ THE CONTRACTOR WILL PERFORM ON-SITE TESTING OF EACH BOLT IN THE PRESENCE OF DOT PERSONNEL TO ENSURE THESE REQUIREMENTS. ANY INSTALLATION NOT MEETING WILL BE REJECTED.
- ④ BOLTS AND WASHERS TO BE GALVANIZED CONFORMING TO REQUIREMENTS OF ASTM A153.
- ⑤ SEE S-SSMB-1, AND S-SSMB-2 FOR ADDITIONAL DETAILS.

MINOR REVISION -- FHWA
 APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

GUARDRAIL
 ATTACHMENT TO
 SINGLE SLOPE
 CONCRETE
 BARRIER WALL