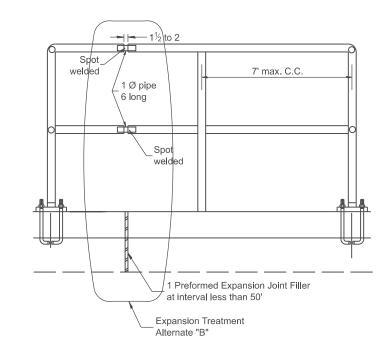
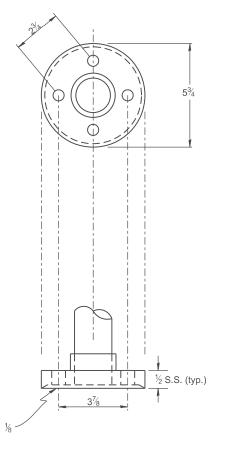
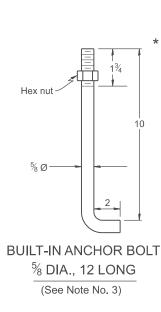


INSTALLATION AT MORTARED STONE WALL



PIPE HANDRAIL





CAST IRON OR STRUCTURAL STEEL FITTING

GENERAL NOTES

- 1. Article 509.04 of the Standard Specifications shall apply.
- Connection of railing to posts shall be made by continuous welding or with using standard pipe fitting.
- 3. An equivalent epoxy anchor stud can be used in place of anchor shown. Anchor bolt holes shall be 5 deep x \(^3\)4 \(\mathcal{O}\) to be pre-drilled with an electric hammer drill to a depth of 1 prior to use of a pnuematic drill for the remaining 4. A two component encapsulated epoxy such as "Parabond" or an equivalent shall be used. installation shall be according to Manufacturer's recommendations.
- 4. The pipe handrail shall be galvanized by the hot dip process.
- 5. It is Contractor's option to choose the expansion treatment "A" or "B". The spot welded area shall be painted to the satisfaction of the Engineer. This work shall be included in the contract unit price for Pipe Handrail.

All dimensions are in inches unless otherwise noted.

 USER NAME
 = Eric.Thomas
 DESIGNED
 REVISED

 DRAWN
 REVISED

 CHECKED
 REVISED

 PLOT DATE
 = 12/7/2022
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF PIPE HANDRAIL FOR MORTARED STONE WALL AND						F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MODULAR RETAINING WALL										
						DIS	STRICT 4 DETAIL NO. 510101	CONTRACT	NO.	
SCALE: NOT TO SCALE	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			

VITH CADD DRAWINGS: "MORTARED STONE WALL", AND/OR "MODULAR RETAININ RICT SPECIAL PROVISION. THE UNIT PRICE FOR PIPE HANDRAIL INCLUDES THE

SAP, EXPANSION DEVICES, ETC.

1. TO BE USED WITH CADD DRAWINGS
 2. INCLUDE DISTRICT SPECIAL PROVIS
 CAD EYDANSION DEVICES ETC.

OAD EYDANSION DEVICES ETC.

OAD EYDANSION DEVICES ETC.

MODEL: SHT PLAN
FILE NAME: C:Bentley\CONNECT1011\Or