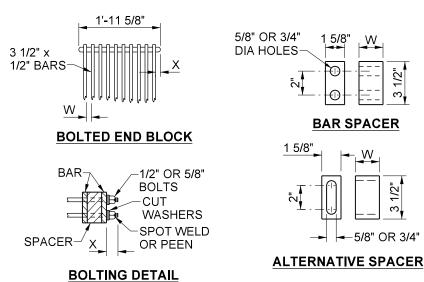


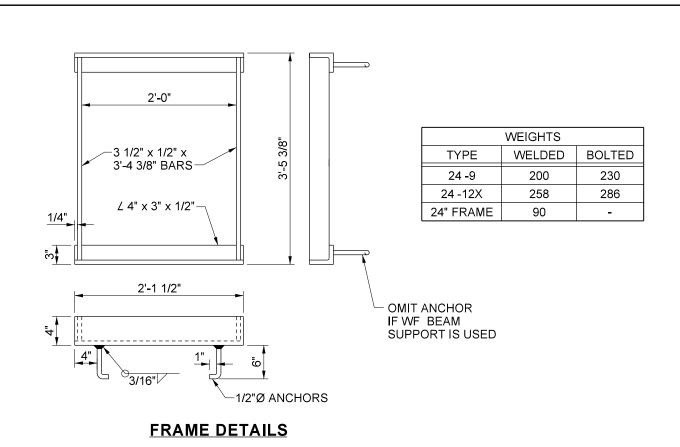
GRATE DETAILS

(SEE TABLE BELOW)



ALTERNATIVE BOLTED GRATE

TYPE	NO. BARS	" W "	" X "	GRATE OPEN AREA	USAGE
24 - 9	9	2"	1 9/16"	5.21 SqFt	USE IN LOCATIONS OFF THE ROADBED
24 -12X	12	1 1/2"	1 5/16"	4.91 SqFt	USE WITHIN THE ROADBED



NOTES:

- 1. GRATE TYPE NUMBER REFERS TO WIDTH OF GRATE IN INCHES AND NUMBER OF BARS RESPECTIVELY.
- 2. CONTRACTOR HAS THE OPTION OF USING WELDED OR BOLTED GRATES.
- 3. ROUNDED TOP OF BARS OPTIONAL ON ALL GRATES.
- 4. GRATE SHALL BE PLACED SO THAT BARS ARE PARALLEL TO DIRECTION OF PRINCIPAL SURFACE FLOW.
- 5. GRATE AND FRAME SHALL BE HOT-DIP GALVANIZED.

NOT TO SCALE PREPARED UNDER THE SUPERVISION OF:

