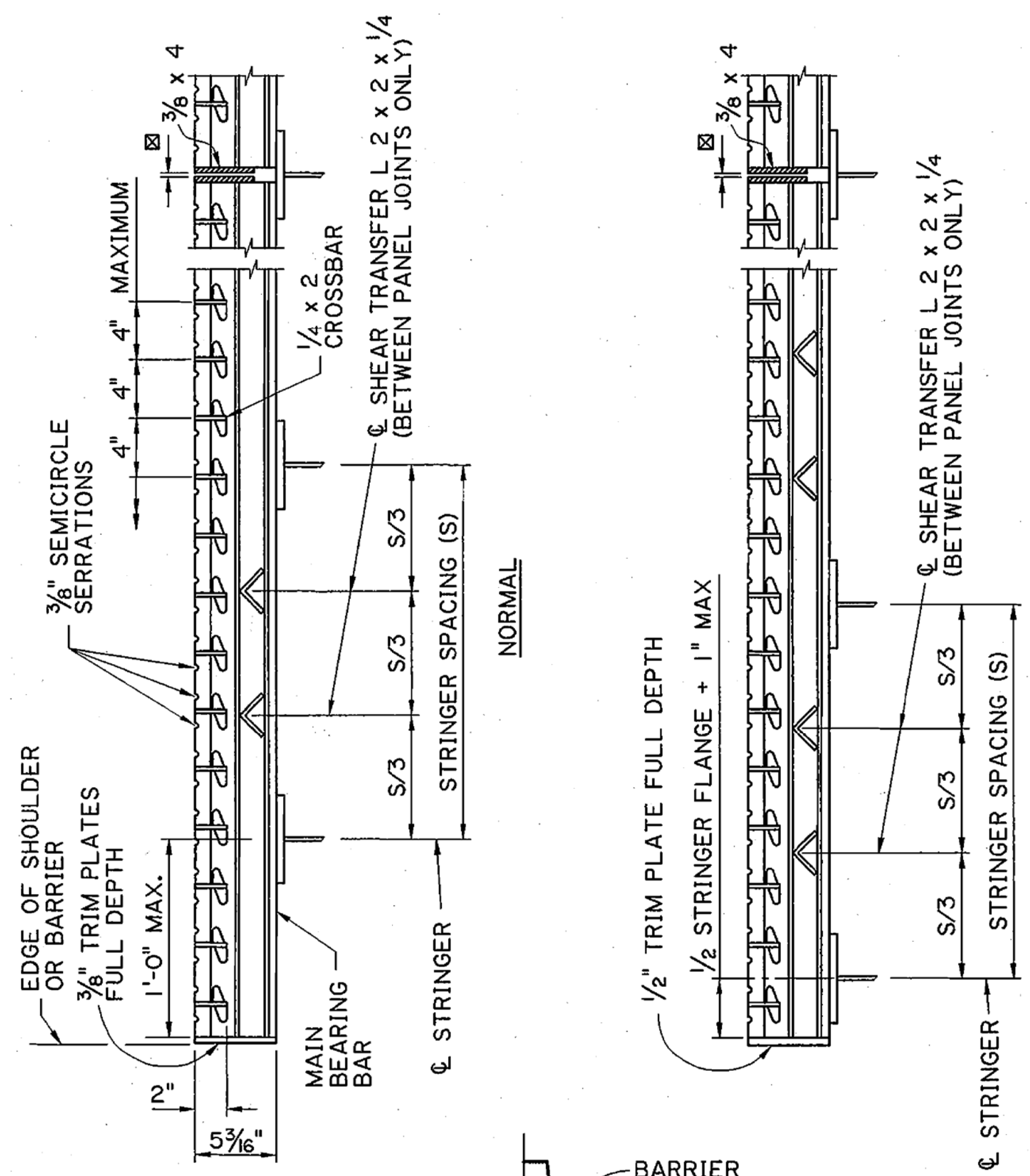
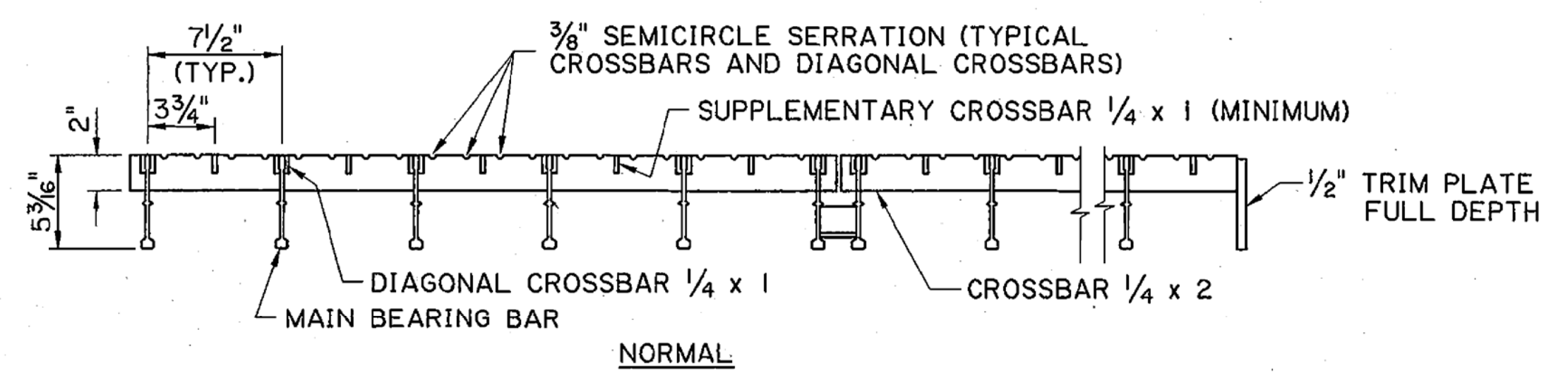


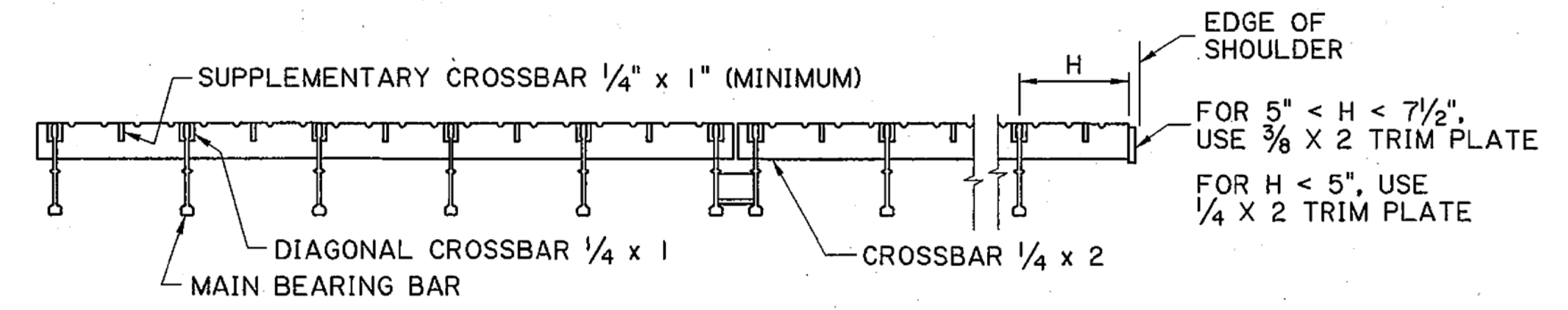
TYPICAL GRID FLOORING PLAN



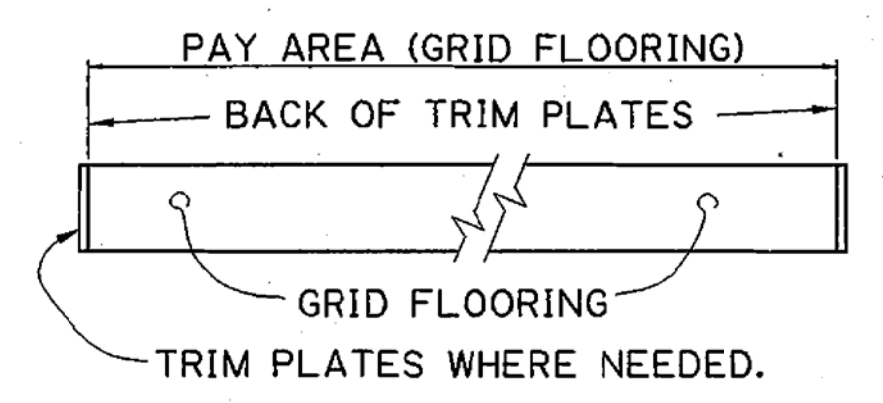
SECTION B-B



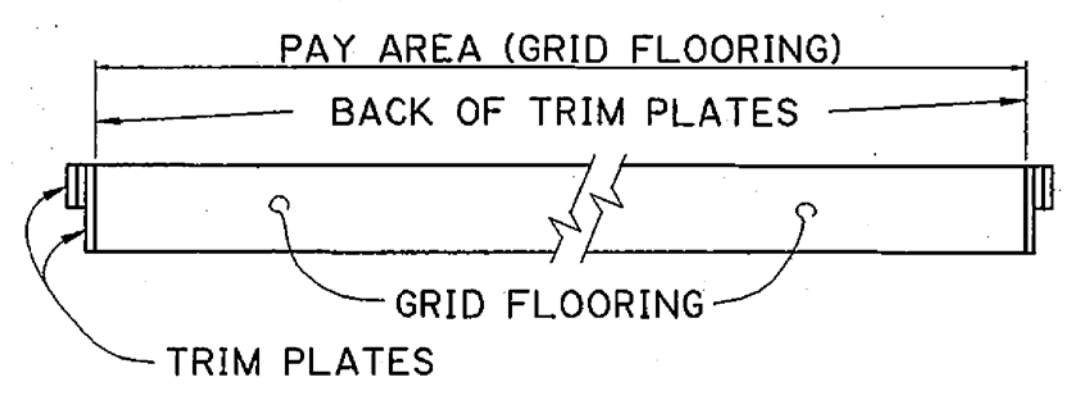
NORMAL



PARALLEL
SECTION A-A

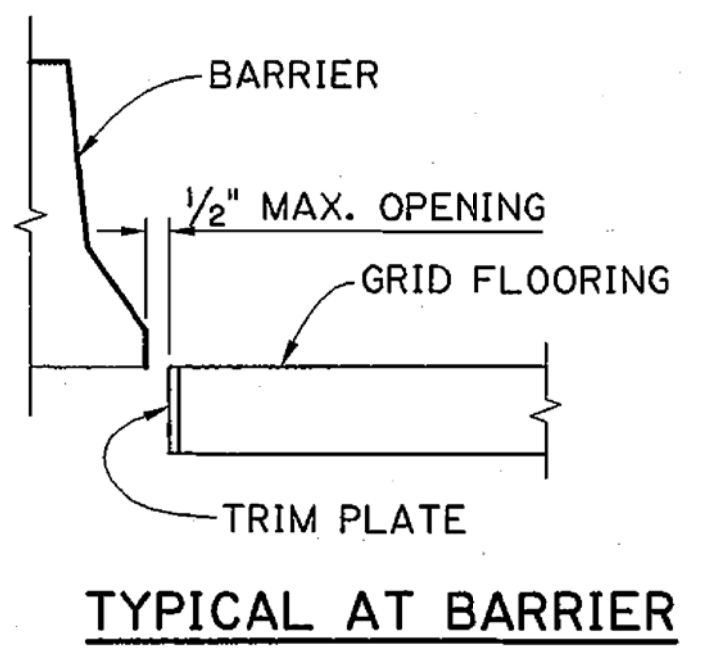


TRANSVERSE DIRECTION
(NORMAL TO ROADWAY)

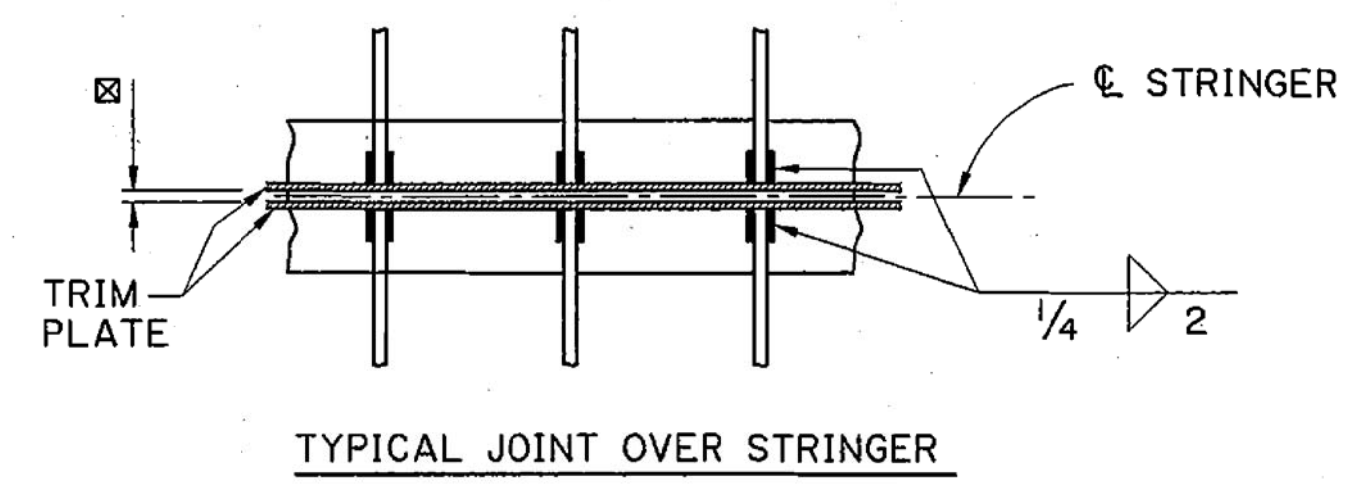


LONGITUDINAL DIRECTION
(ALONG ROADWAY)

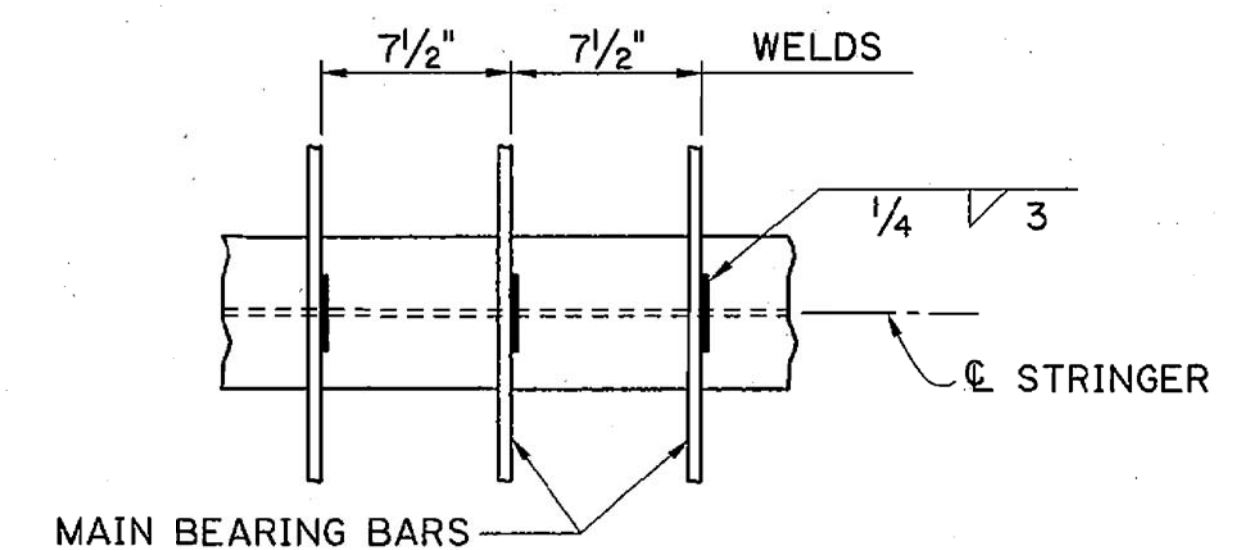
METHOD OF MEASUREMENT



TYPICAL AT BARRIER

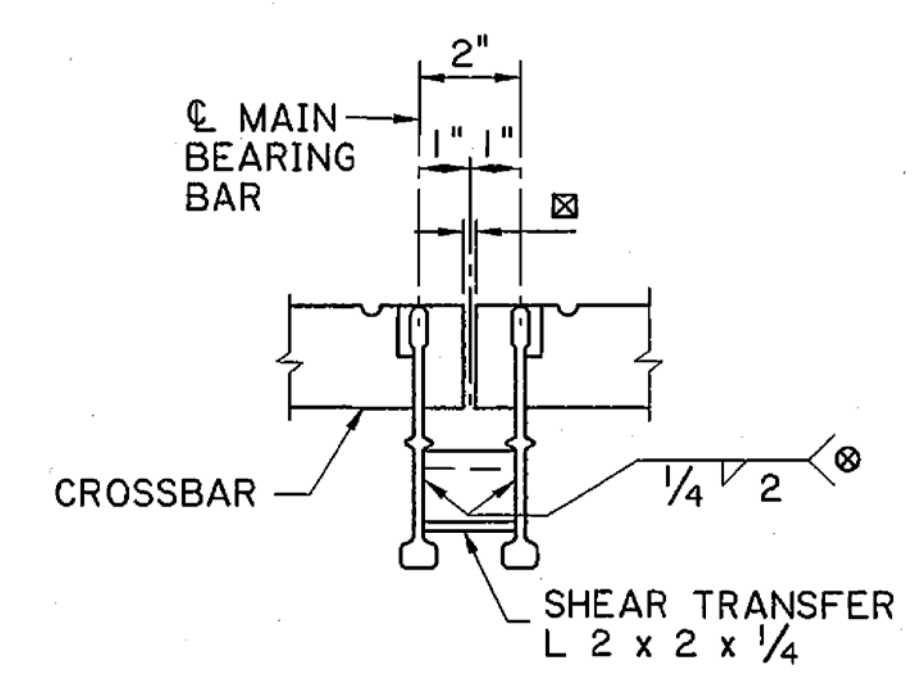


TYPICAL JOINT OVER STRINGER



TYPICAL CONTINUOUS OVER STRINGER

FIELD WELDING DIAGRAM



TYPICAL JOINT BETWEEN ADJACENT PANELS

- ⊠ 0" TO 1/4" MAXIMUM CROSS BAR GAP (NO WELD)
- ⊞ SHOP WELD TO EXTERIOR BAR ON ONE SIDE. THEN FIELD WELD TO OTHER SIDE AFTER INSTALLATION. (TYP. ALONG BOTH LEGS OF ANGLE)

GENERAL NOTES:

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002 AND INTERIM SPECIFICATIONS.

CONSTRUCTION SPECIFICATIONS: LATEST APPROVED LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT SPECIFICATIONS AS AMENDED BY SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS.

LIVE LOAD: AASHTO HS-20 AND HST-18.

DESIGN SPAN: THE DESIGN SPAN IS EQUAL TO STRINGER SPACING MINUS ONE-HALF STRINGER FLANGE WIDTH.

STRUCTURAL STEEL: TYPE STEEL SHALL BE AS SPECIFIED.

DESIGN WEIGHT: STRUCTURES USING THESE GRID FLOORINGS SHALL BE DESIGNED FOR A FLOORING WEIGHT OF 20 POUNDS PER SQUARE FOOT.

ACTUAL WEIGHT: GRID FLOORING MANUFACTURED UNDER THIS STANDARD SHALL NOT WEIGH LESS THAN 15.5 POUNDS PER SQUARE FOOT.

MOVABLE SPANS: WHEN GRID FLOORING IS TO BE USED ON A MOVABLE SPAN, THE FABRICATOR SHALL BE REQUIRED TO SUBMIT TO THE BRIDGE DESIGN ENGINEER THE ACTUAL WEIGHT PER SQUARE FOOT OF THE GRID FLOORING, BOTH WITH AND WITHOUT ATTACHMENTS.

PROTECTIVE COATING: GRID FLOORING SHALL BE PAINTED OR GALVANIZED AS CALLED FOR IN THE SPECIFICATIONS.

TRIM PLATES: TRIM PLATES SHALL BE SAME MATERIAL AND GRADE AS THE GRID FLOORING. USE 1/4" FILLET WELDS FOR TRIM PLATES TO GRID FLOORING CONNECTION. TRIM PLATES TO BE INCLUDED IN THE COST OF STEEL GRID FLOORING.

MAIN BEARING BAR DESIGN DATA

| FLOORING TYPE | I | II | III |
|--|-------|-------|------|
| WEIGHT OF MAIN BAR (MINIMUM LBS/FT) | 4.65 | 5.50 | 5.50 |
| MOMENT OF INERTIA (MINIMUM IN ⁴) | 3.5 | 4.6 | 4.6 |
| SECTION MODULUS (MINIMUM IN ³) | 1.25 | 1.55 | 1.55 |
| STEEL TYPE | A588 | A36 | A588 |
| MAXIMUM STRINGER SPACING * | 4'-3" | 5'-5" | |

* ASSUME CONTINUOUS SPANS AND 6" WIDE STRINGER FLANGE



DETAILS ARE NTS

SHEET NUMBER

ST. TAMMANY

FEDERAL PROJECT H012945

STATE PROJECT H-012945

DESIGNED BY K. YAP

CHECKED BY P. GELPI

DATE 06-06-02

REVISION DESCRIPTION

NO. DATE BY

STATE OF LOUISIANA

OPEN STEEL GRID FLOORING (REGULAR)

SPECIAL DETAIL GF-01

BRIDGE AND STRUCTURAL DESIGN