FOR BEAMS 36" OR LESS

SLOPE:

SEE PLAN FOR STIFFENER SIZE

MAX. SPACING

1" MIN.

1" MIN.

2@3"

3" SPACING

USED ONLY AT BEARINGS

OUTSIDE STIFFENER TO BE USED ONLY AT BEARINGS

FASCIA BEAM

AT PIER AND INTERMEDIATE DIAPHRAGMS

INTERIOR BEAM

AT PIER AND INTERMEDIATE DIAPHRAGMS

FASCIA BEAM

AT ABUTMENT DIAPHRAGMS

SECTION C-C

SKews TO 30° MAX.

SECTION C-C

SKews 30° TO 60°

BOLTED DIAPHRAGMS

FOR STEEL BEAMS

DESIGNER NOTE

REMOVE PRIOR TO PLOTTING FINAL PLANS.

DESIGNER TO CHOOSE ONE OF THE FOLLOWING NOTES PER BRIDGE DESIGN MANUAL:

TIGHT FIT. USE BOLTED CONNECTIONS (SEE DETAIL B410) IN AREA "A" ON PLANS.

WELD BOTH SIDES AT ALL OTHER LOCATIONS.

OR

TIGHT FIT. WELD BOTH SIDES

SECTION A-A

3/4" x 7" CONNECTION STIFFENER

FOR INTERMEDIATE DIAPHRAGMS.

SEE PLAN FOR STIFFENER SIZES OVER BEARINGS.

DESIGNER NOTE

REMOVE PRIOR TO PLOTTING FINAL PLANS.

DESIGNER TO CHOOSE ONE OF THE FOLLOWING NOTES PER BRIDGE DESIGN MANUAL:

TIGHT FIT. WELD BOTH SIDES IN AREA "A" ON PLANS.

USE BOLTED CONNECTIONS (SEE DETAIL B410) AT ALL OTHER LOCATIONS.

OR

TIGHT FIT. WELD BOTH SIDES

SECTION B-B

1/8" SHEAR STUDS

1" 12" MAX. SPG.

SEE PLAN FOR STIFFENER SIZE

NOTES:

PROVIDE STRUCTURAL STEEL PER SPEC. 3309.

1. USE SAME SHEAR STUD HEIGHT AS USED ON THE BEAMS.

2. SEE FRAMING PLAN FOR SIZE OF DIAPHRAGM.

3. FOR PLATE GIRDERS, PROVIDE END DIAPHRAGMS AT LEAST 1/2 THE BEAM HEIGHT.

4. DIAPHRAGMS MAY BE PLACED LEVEL.

5. MILL TO BEAR FOR BEARING STIFFENERS.