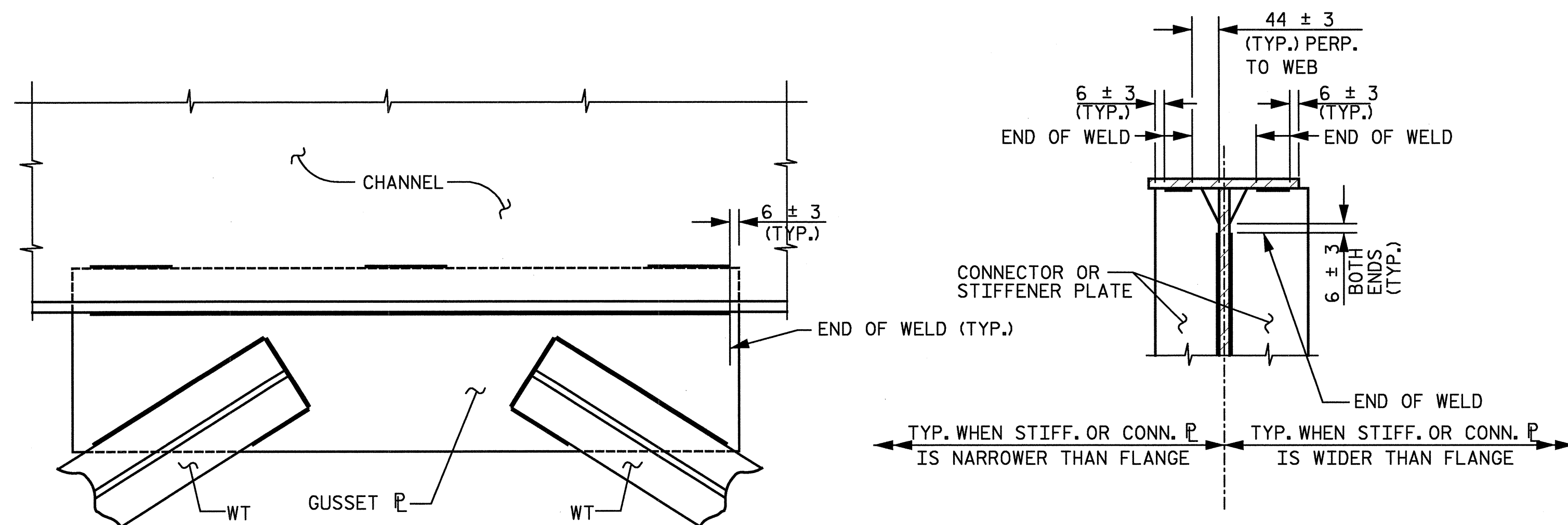


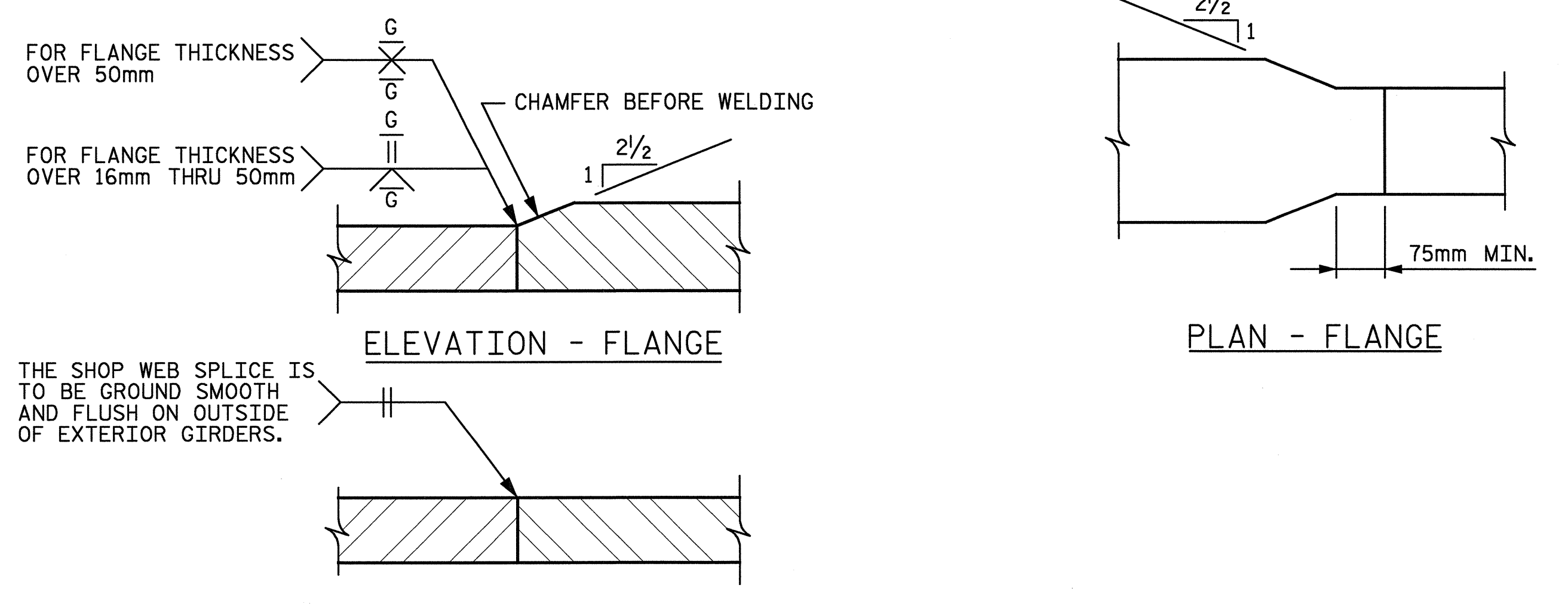
02/17/2005 05:31:19 PM n:\proj\3109-100\station\struct\final\3109-100_str_steel_detail_2.dgn david.lowe@rw



TYPICAL GUSSET PLATE CONNECTION
(GUSSET PLATE CONNECTED TO TOP CHORD SHOWN,
GUSSET PLATE CONNECTED TO BOT. CHORD SIMILAR.)

**TYPICAL STIFFENER OR
CONNECTOR PLATE CONNECTIONS**

WELD TERMINATION DETAILS



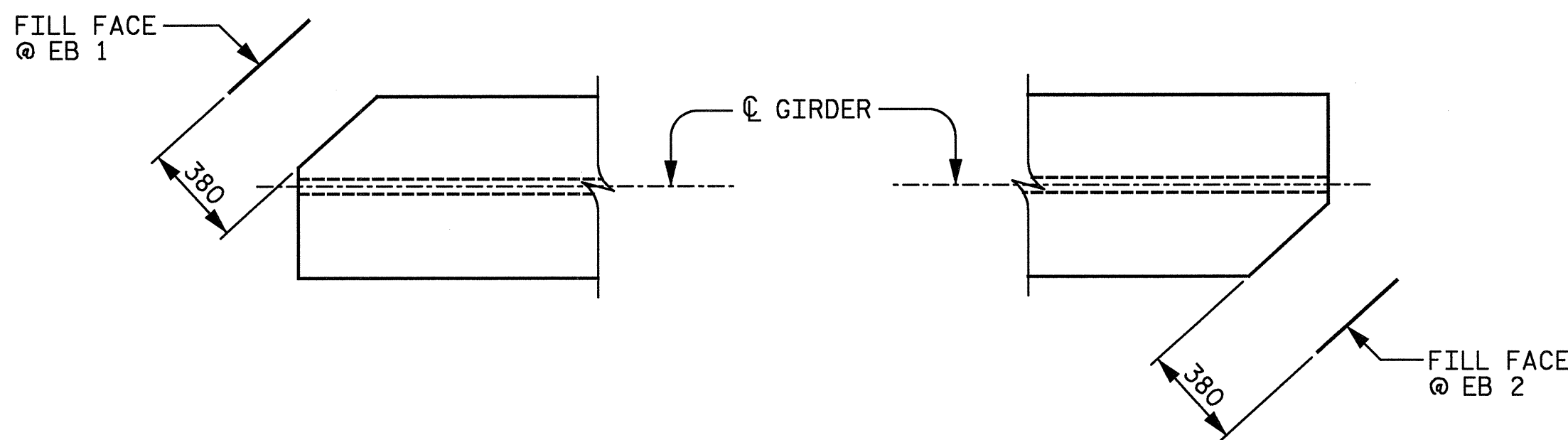
ELEVATION - FLANGE

PLAN - FLANGE

FOR FLANGE THICKNESS OVER 50mm
FOR FLANGE THICKNESS OVER 16mm THRU 50mm

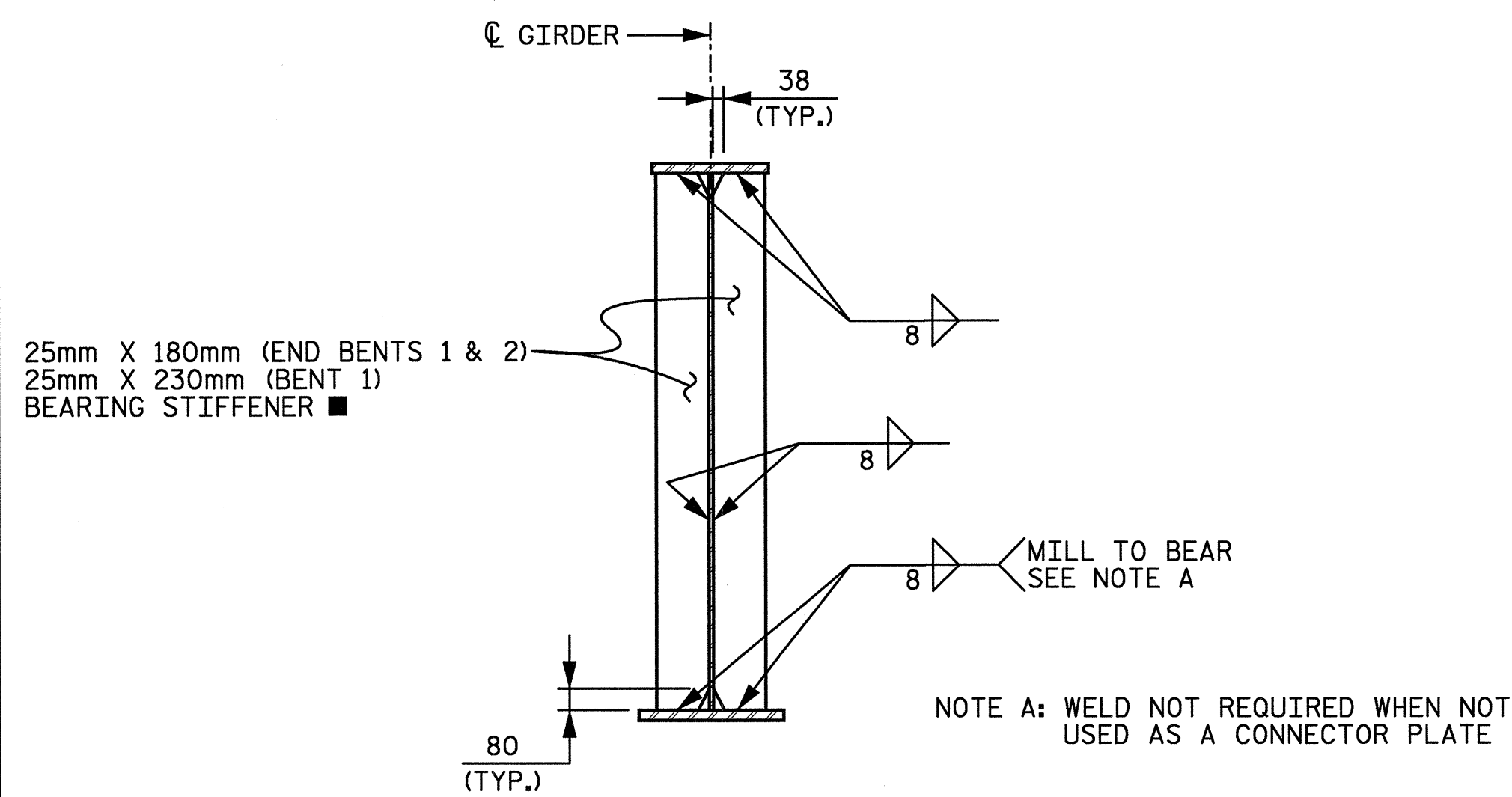
**PLAN - WEB
(UNIFORM THICKNESS)**

SHOP SPLICE DETAILS



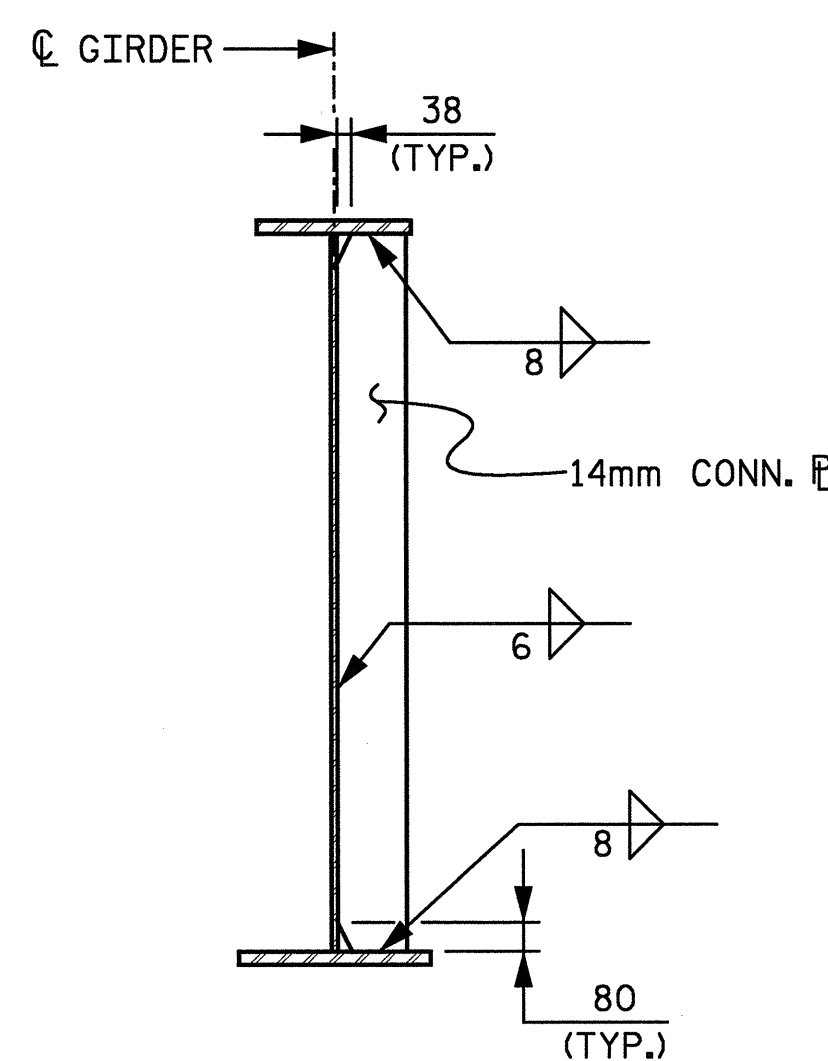
AT END BENT 1 AT END BENT 2
TOP AND BOT. FLANGE CLIP DETAILS

MINIMUM FILLET WELD SIZE	
BASE METAL THICKNESS OF THICKER PART JOINED (T)	MINIMUM SIZE OF FILLET WELD
≤ 19mm	6mm
> 19mm	8mm



BEARING STIFFENER

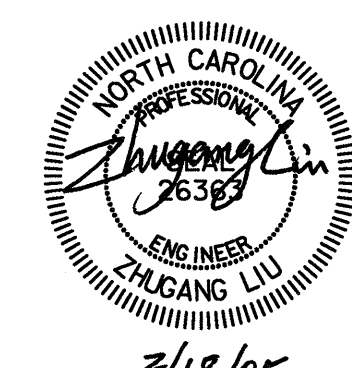
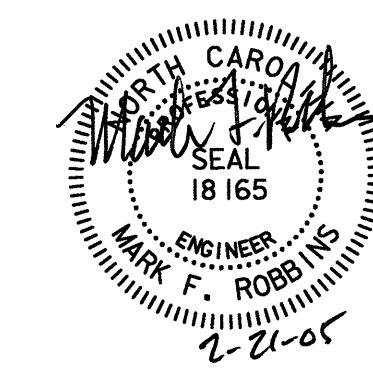
■ INCREASE BEARING STIFFENER WIDTH AS REQUIRED WHEN USED AS A CROSSFRAME CONNECTOR PLATE. INCREASE BEARING STIFFENER THICKNESS AS REQUIRED TO MAINTAIN WIDTH TO THICKNESS RATIO NO LARGER THAN 9.5.



CONNECTOR PLATE DETAIL

PROJECT No. R-2552C
JOHNSTON COUNTY
STATION: POT 148+08.446 -L2-
POT 23+96.446 -Y4-

SHEET 2 OF 2



RALPH WHITEHEAD ASSOCIATES, INC.
CONSULTING ENGINEERS
P.O. BOX 35624 CHARLOTTE, N.C. 28235
DRAWN BY: WBS, LGH DATE: 8-04 DWG. NO.:
CHECKED BY: TVR DATE: 9-04 D-1749.12

REVISIONS	NO.	DATE	BY
	1		
	2		

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STRUCTURAL STEEL DETAILS
-LEFT LANE-

SHEET NO. 5-323
TOTAL SHEETS 431