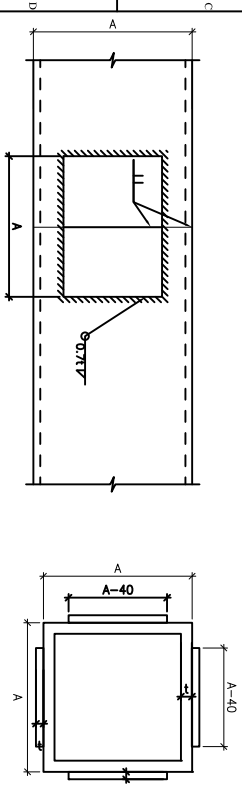


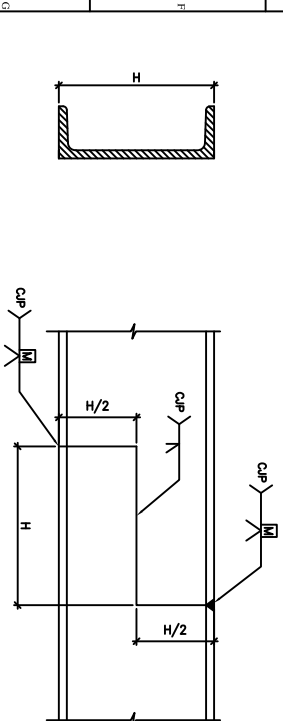
TYPE OF CONNECTION FOR BOX PROFILE ALTERNATIVE1



TYPE OF CONNECTION FOR BOX PROFILE ALTERNATIVE2

NOTES

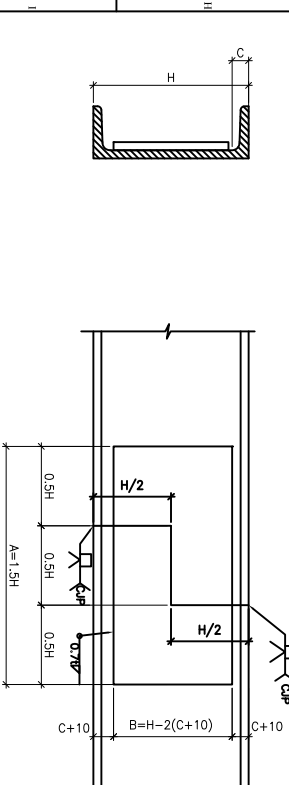
1-splice should not be used for diagonal members and roof strut as much as possible. in the case that there is no other way location of splice should not be placed at 1/4 length in the middle of the element



TYPE OF Connection for UNP & UPE & UPN

SECTION ALTERNATIVE1 □ / sec

SECTION ALTERNATIVE 1

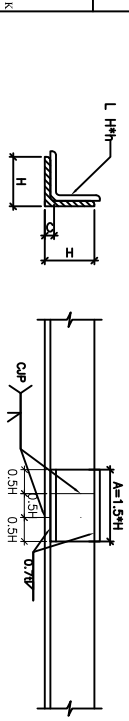


TYPE OF CONNECTION FOR UNP & UPE & UPN
SECTION ALTERNATIVE2

SECTION ALTERNATIVES

NOTES

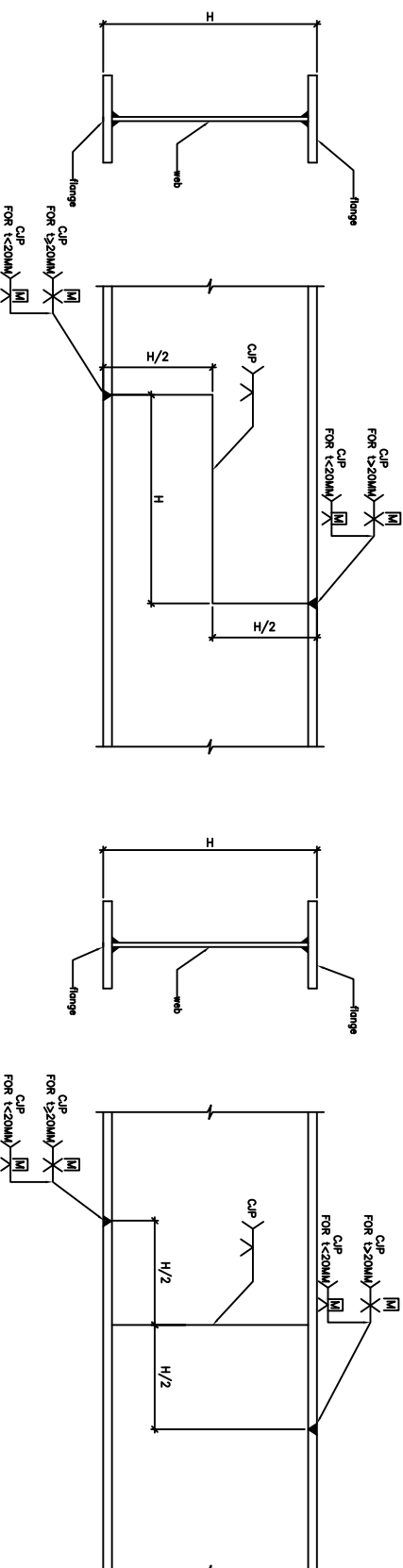
1-splice should not be used for diagonal members as much as possible, in the case that there is no other way location of splice should not be placed at $1/4$ length in the middle of the element



TYPE OF CONNECTION FOR ANGLE PROFILE SECTION

NOTES

1-splice should not be used for diagonal members as much as possible, in the case that there is no other way location of splice should not be placed at $1/4$ length in the middle of the element



TYPE OF CONNECTION FOR H & I & T
BUILT UP SECTION FOR BEAMS ALTERNATIVE1

NOTES

1-beam splice should be out of the critical zone as defined below

a-2H from the column edge

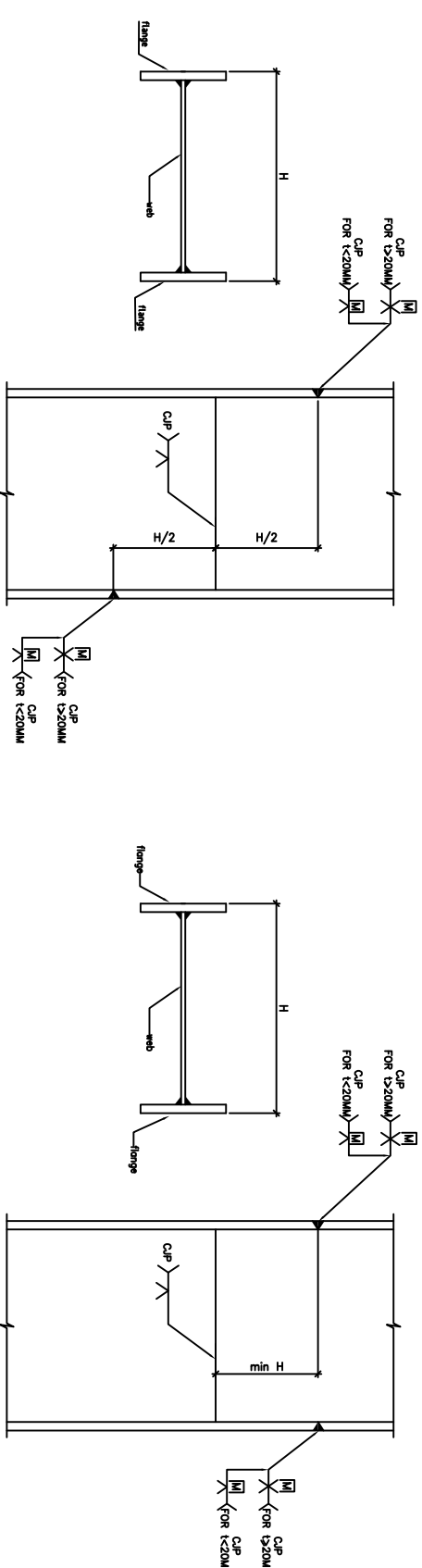
b-1/4 length in the middle of the the beam

2-splice should not be used for main beam and diagonals as much as possible

3-For build up section with flange thickness exceeding 50 mm, special consideration must be given to all aspect of welded splice detail:

o-Generously sized weld access holes (see Section 4.1.6) are required to provide increased relief from concentrated weld shrinkage strains, to avoid close juncture of welds in orthogonal directions, and to provide adequate clearance for the exercise of high quality workmanship in hole preparation, welding and for ease of inspection

b-Preheating for thermal cutting is required to minimize the formation of a hard surface layer



TYPE OF CONNECTION FOR H & I BUILT UP
SECTION FOR COLUMNS ALTERNATIVE1

SECTION FOR COLUMNS ALTERNATIVE1

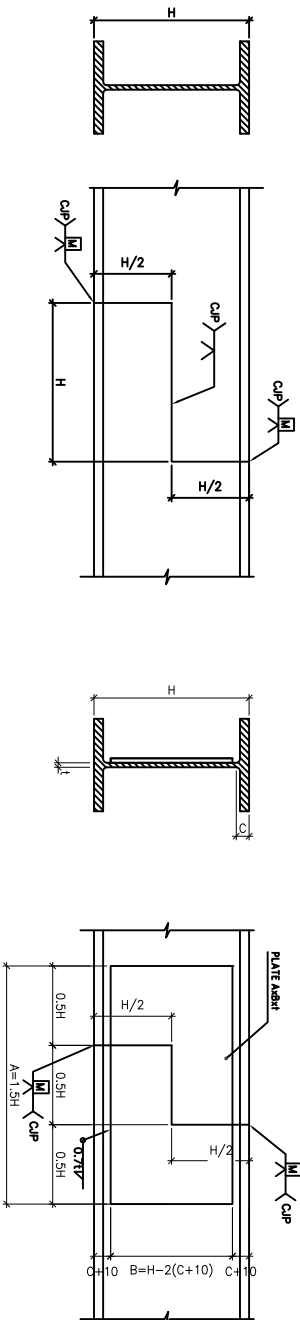
NOTES

1-column splice should be at least 600mm away from the flange of nearest beam

3-For build up section with flange thickness exceeding 40 mm, special consideration must be given to all aspect of welded splice detail:

b—Preheating for thermal cycling is required to minimize the formation of a hard surface layer

c-Grinding of copes and access holes to bright metal to remove the hard surface layer is required, along with inspection using magnetic particle to verify that transitions are free of notches or cracks.



**TYPE OF CONNECTION FOR HEA & IPE SECTION
FOR BEAM AND PURLINE ALTERNATIVE1**

FOR BEAM AND PURLINE ALTERNATIVE1

NOTES

1-beam splice should be out of the critical zone as defined below

0-2H from the column edge

b-1/4 length in the middle of the the beam

2-Plate thickness should be rounded up for HEA and IPE section

TYPE OF CONNECTION FOR H & I & T
BUILT UP SECTION FOR BEAMS ALTERNATIVE2

BUILT UP SECTION FOR BEAMS ALTERNATIVE2

[illegible]

NOTES

1-SHOP SPLICE IS NOT ALLOWED FOR ELEMENT WITH LENGTH UNDER 6M UNLESS IT IS APPROVED BY DESIGNER
2-WELD SPLICE SHOULD BE AS EXPRESSED IN THIS SHEET UNLESS OTHERWISE MENTIONED FOR SPECIAL ELEMENTS

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