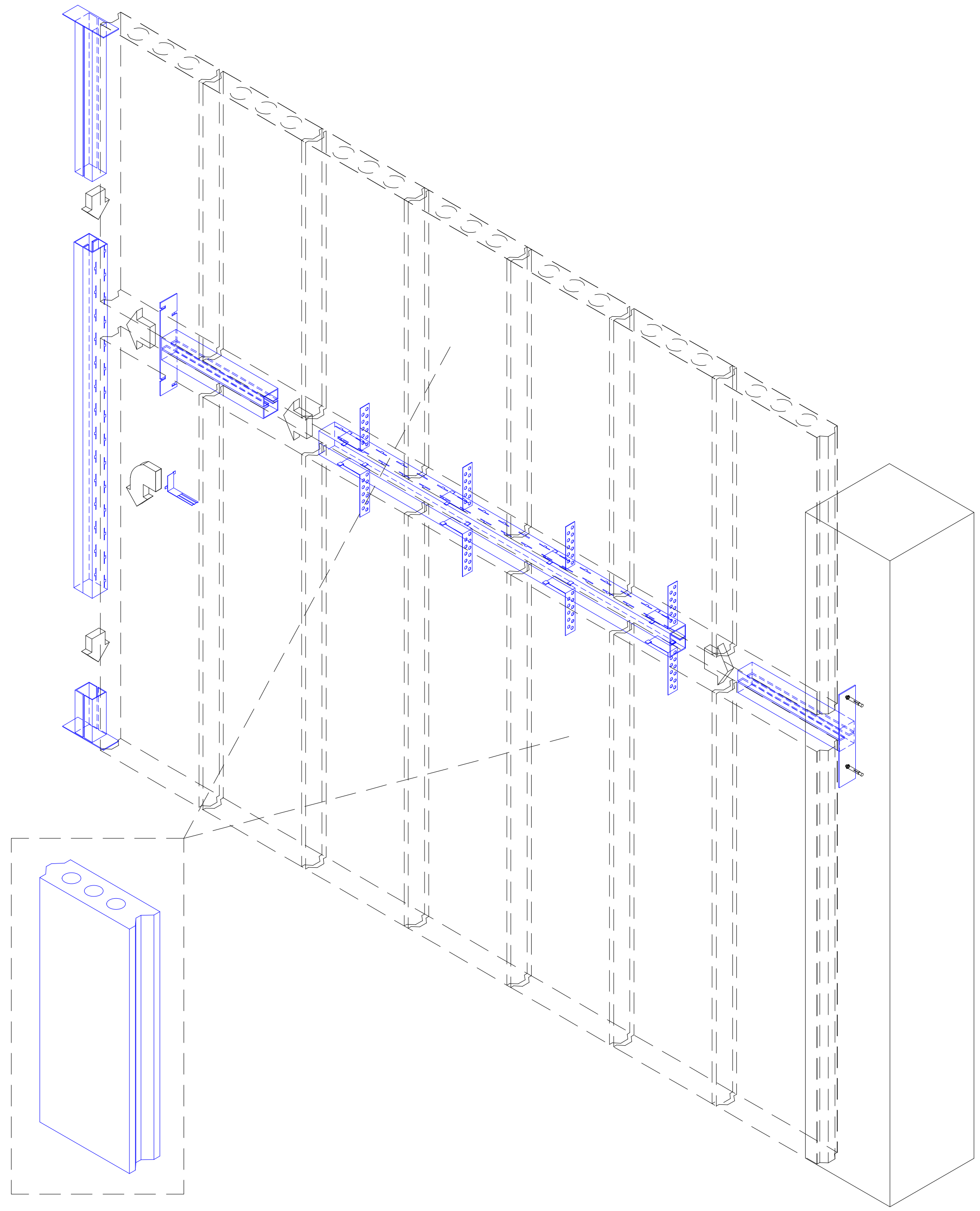
Dyntek StiFlex Stiffeners User Manual (Precast Panel)



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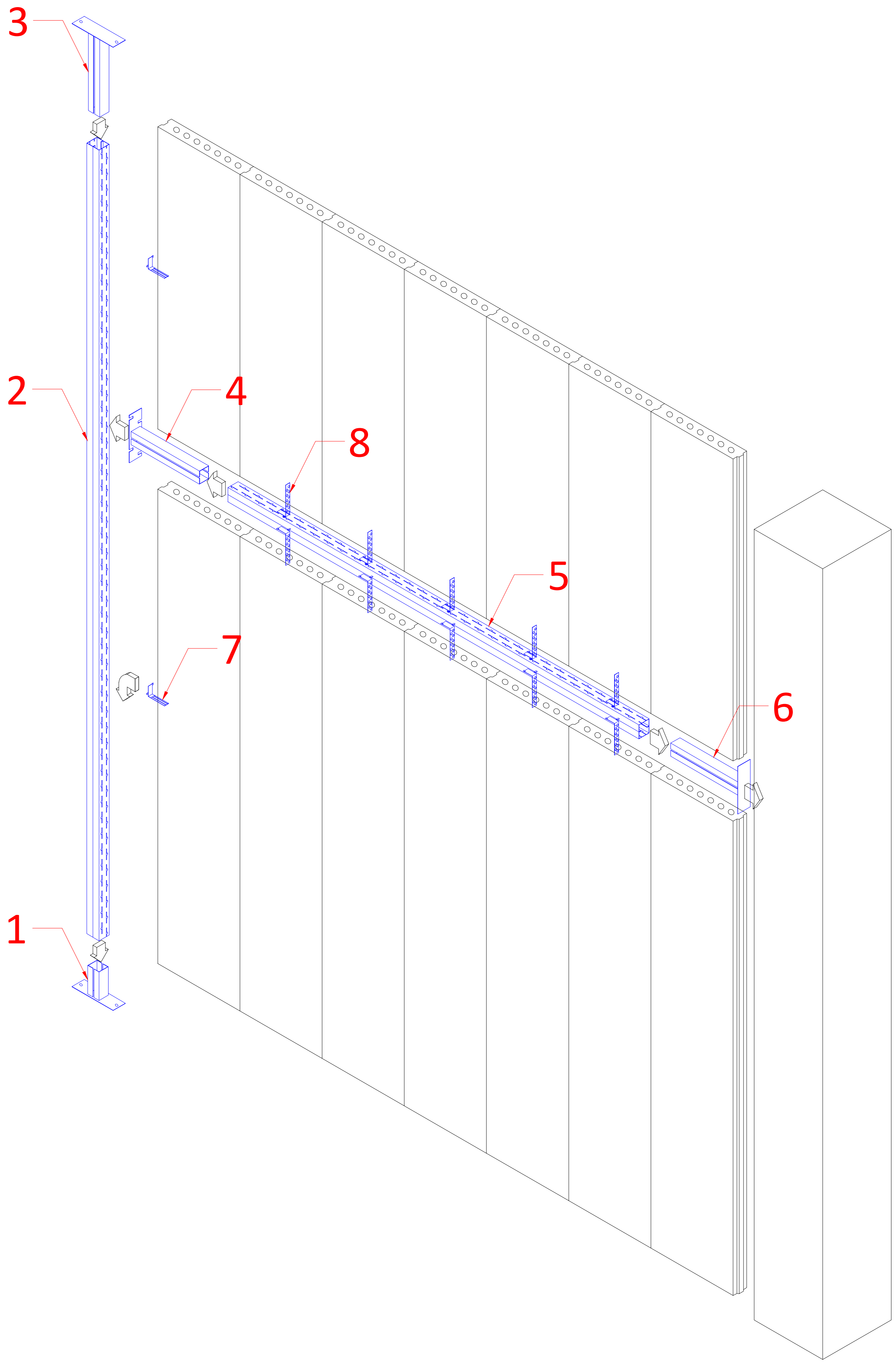

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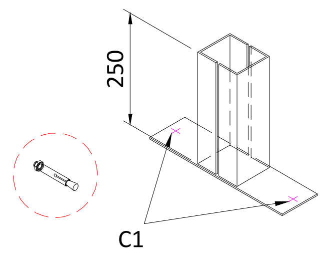
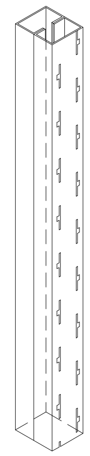


*EXTERNAL WALL = 500/700mm SLEEVE LENGTH (Subject to design)

DETAIL 1



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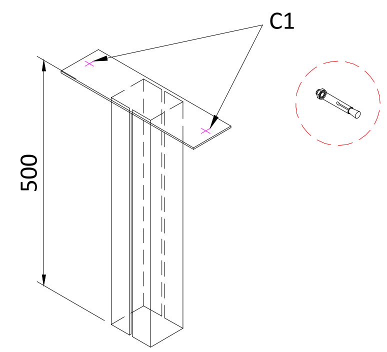

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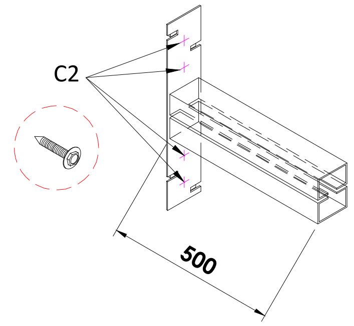

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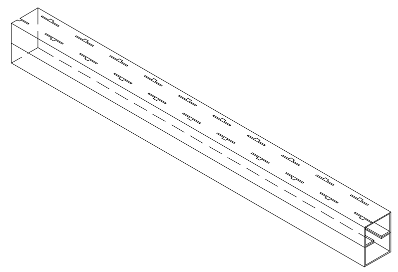

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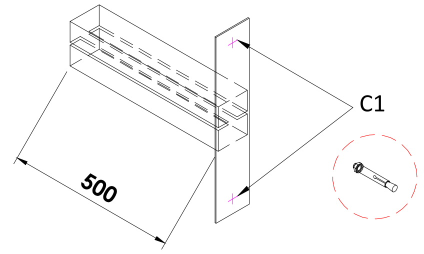

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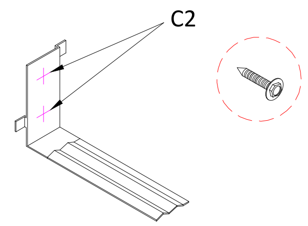

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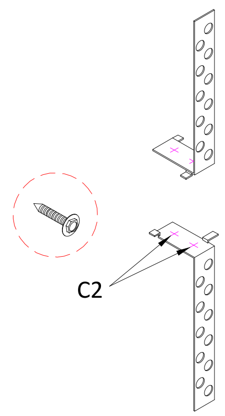

DETAIL 8

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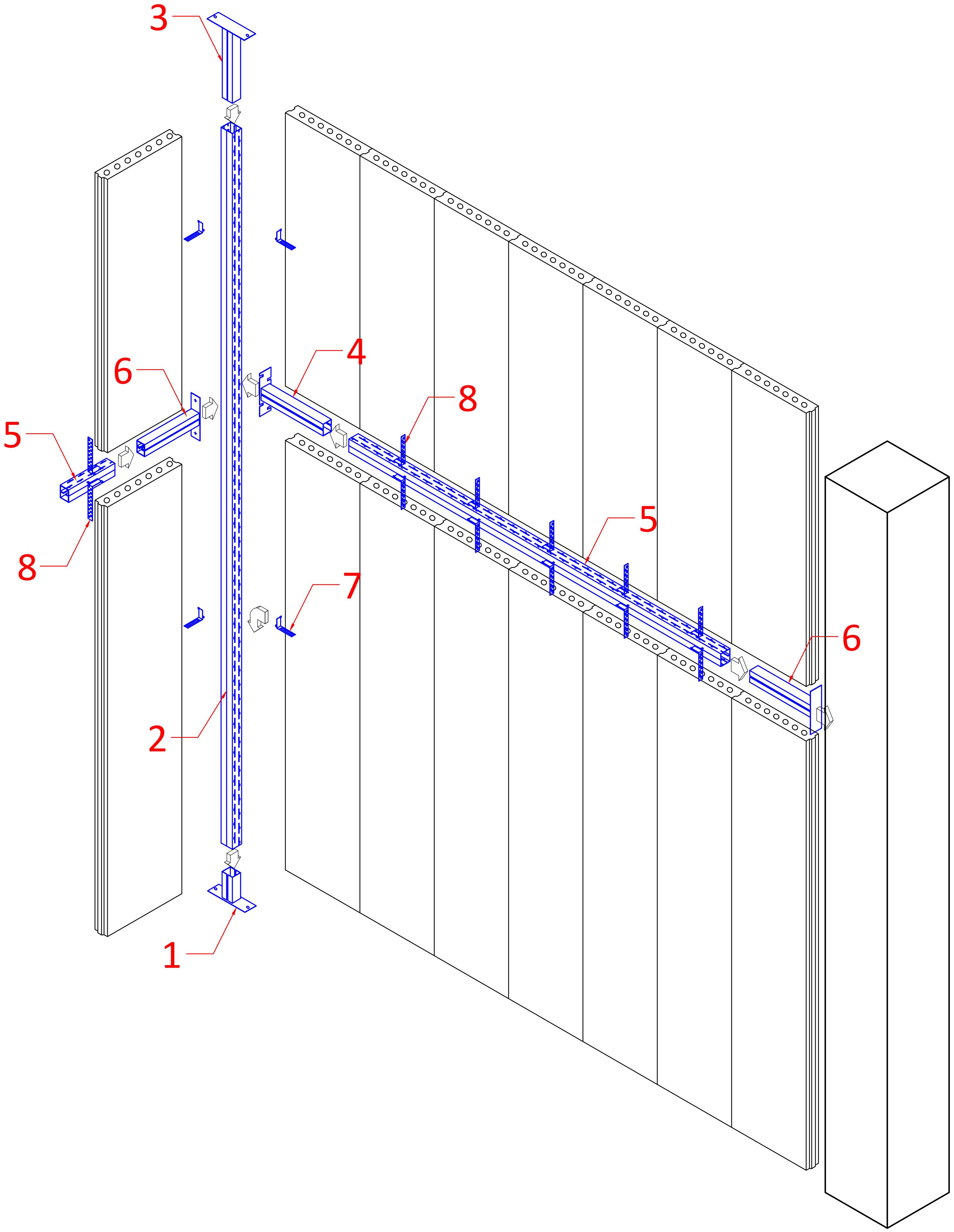
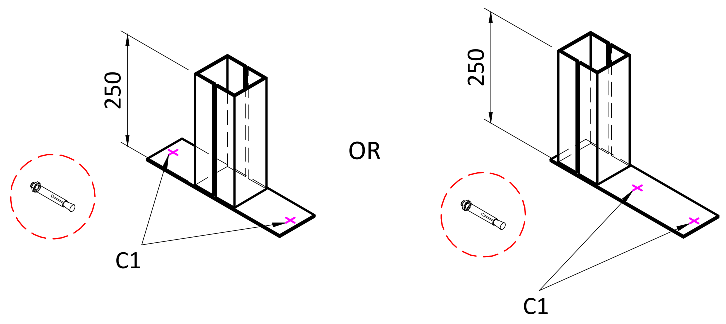
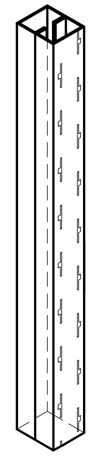
NOTE:
C1 = HSA M8 ANCHOR BOLTS OR EQUIVALENT
C2 = SELF-TAPPING SCREWS (12+24tpi) or equivalent





*EXTERNAL WALL = 500/700mm SLEEVE LENGTH (Subject to design)

DETAIL 1



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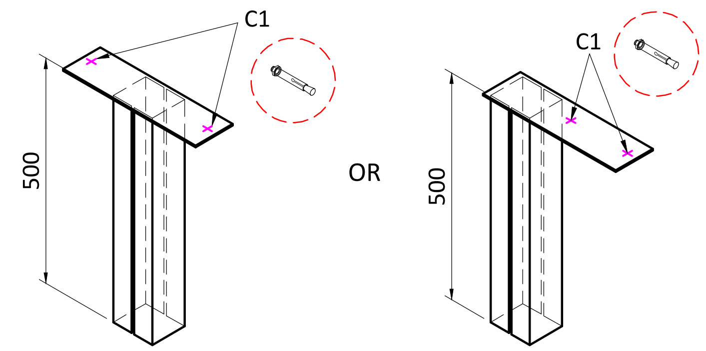

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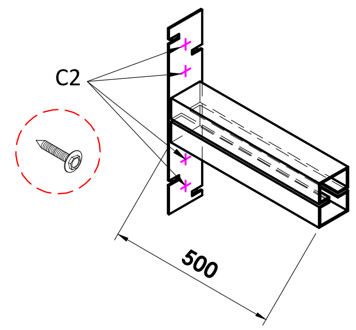

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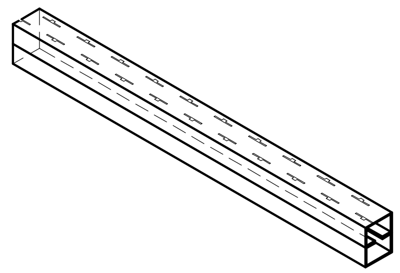

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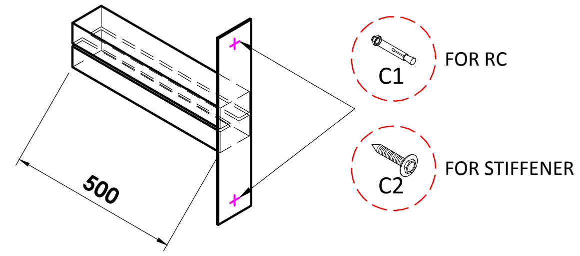

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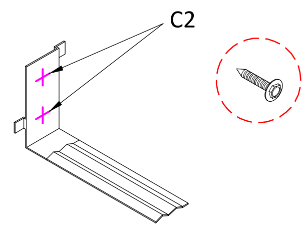

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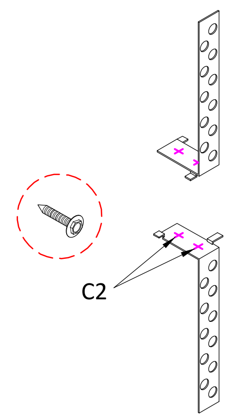
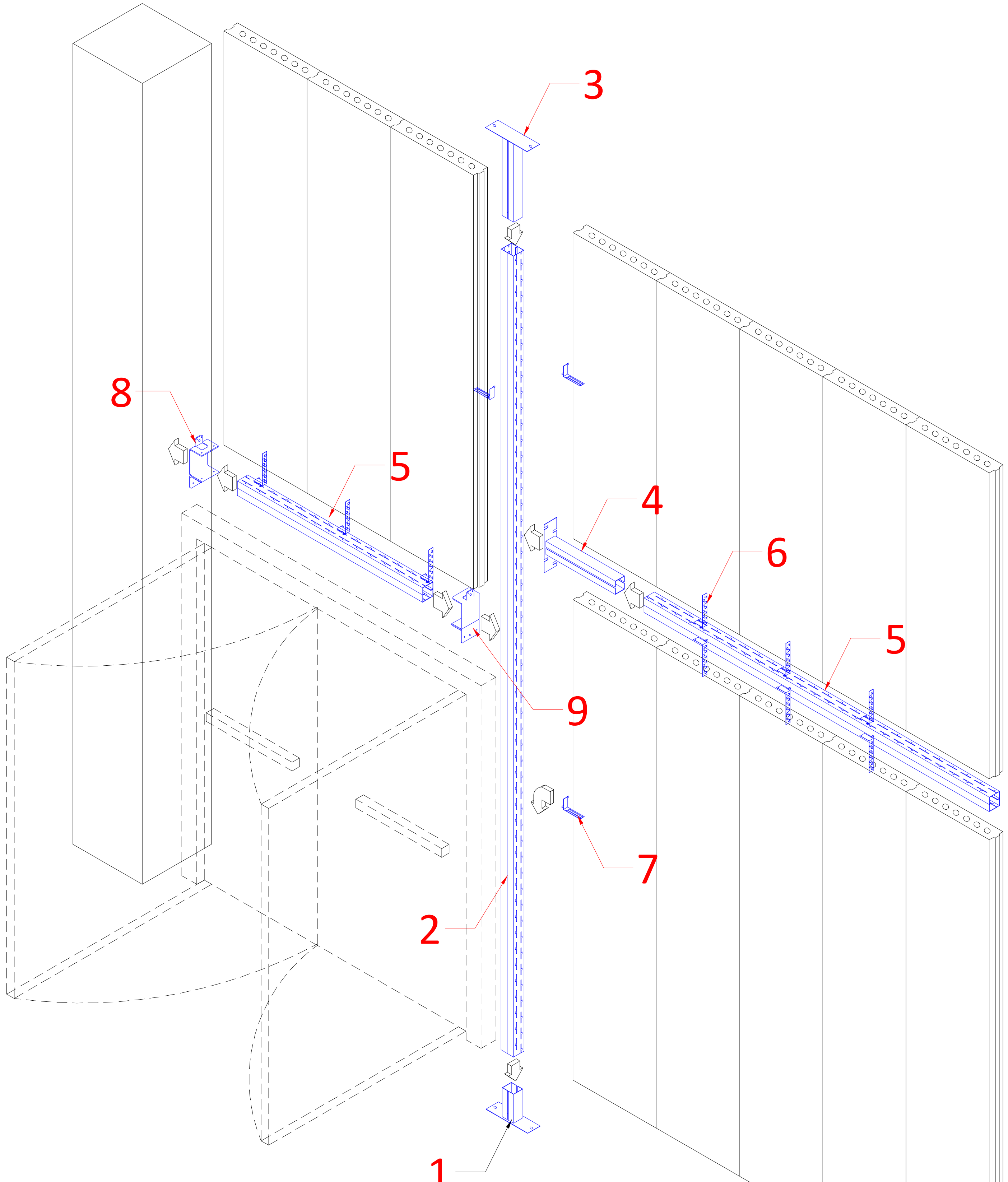
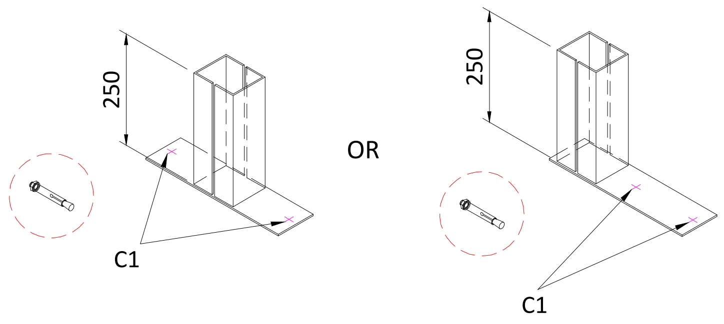


DETAIL 8

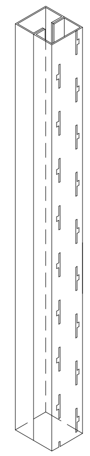
NOTE:
C1 = HSA M8 ANCHOR BOLTS OR EQUIVALENT
C2 = SELF-TAPPING SCREWS (12+24tpi) or equivalent





*EXTERNAL WALL = 500/700mm SLEEVE LENGTH (Subject to design)

DETAIL 1



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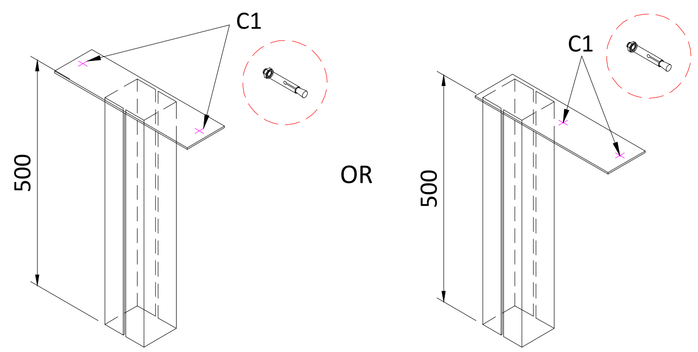

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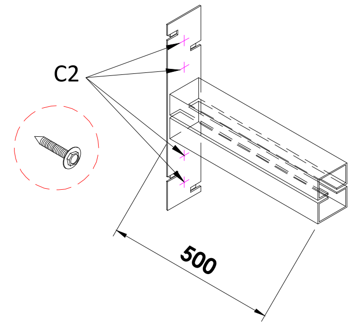

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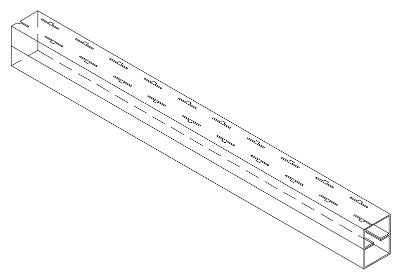

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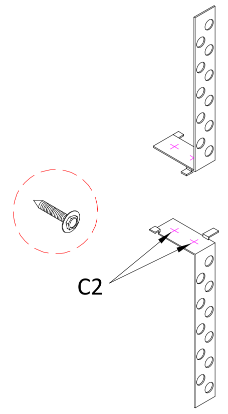

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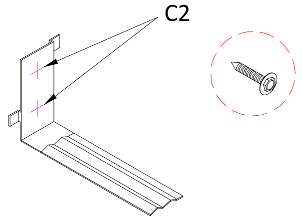

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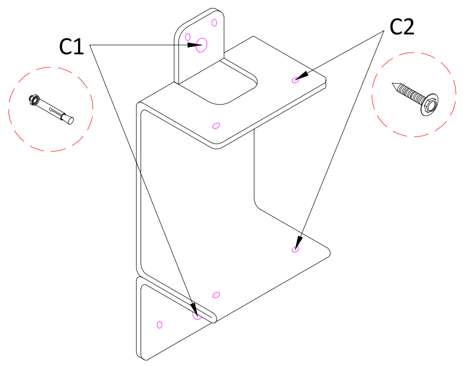

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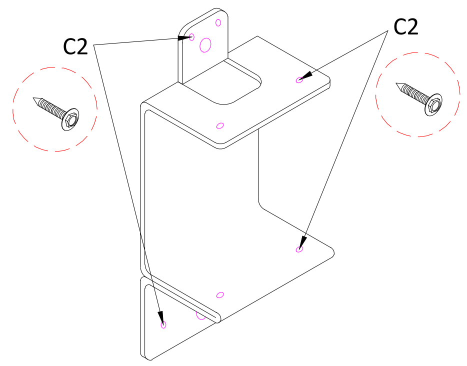
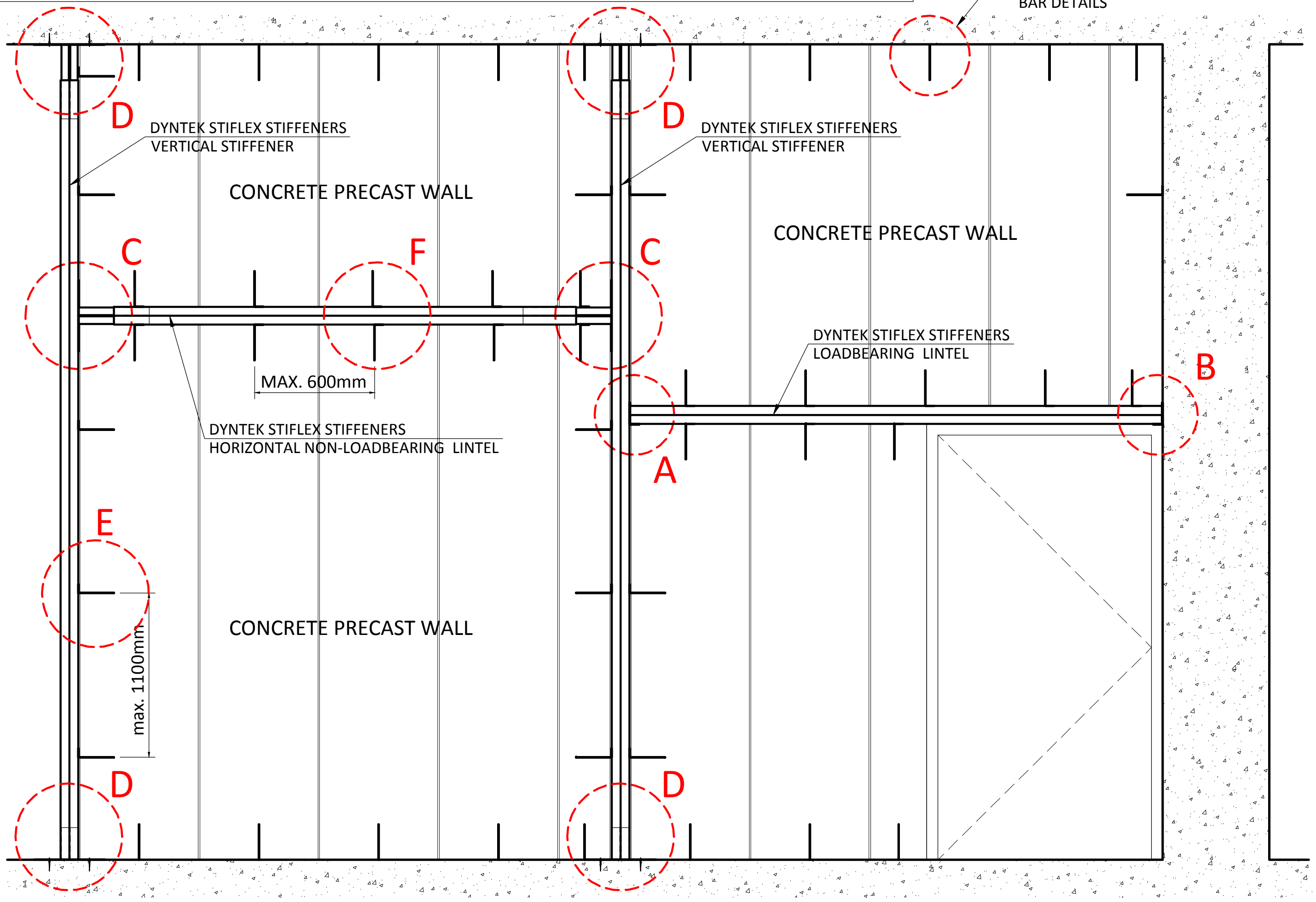
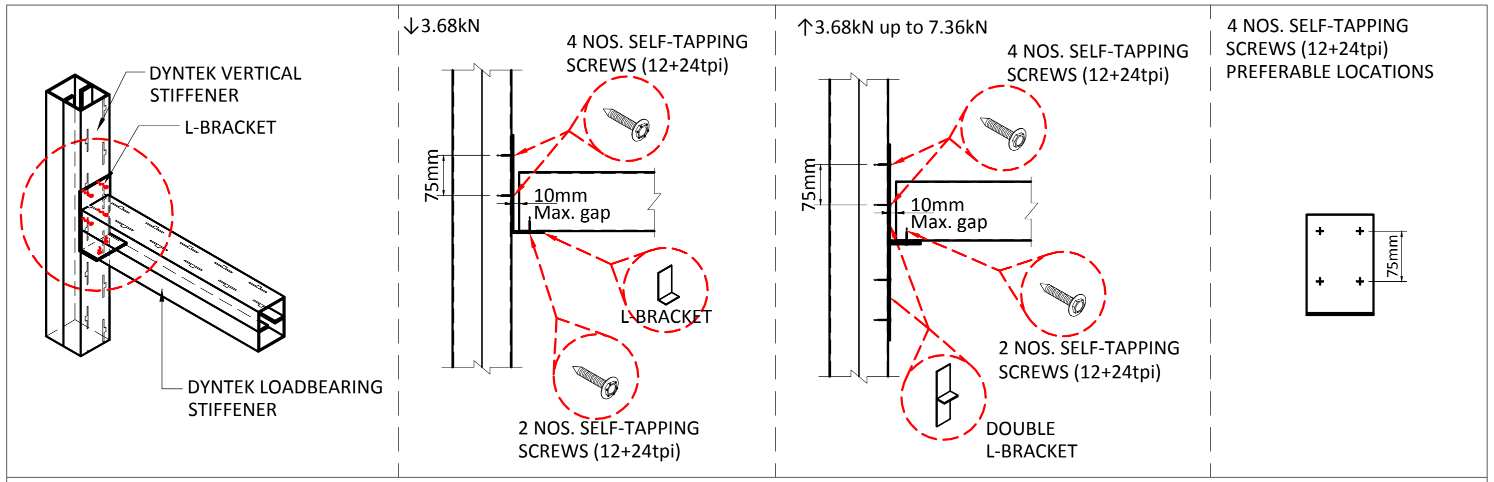


DETAIL 9

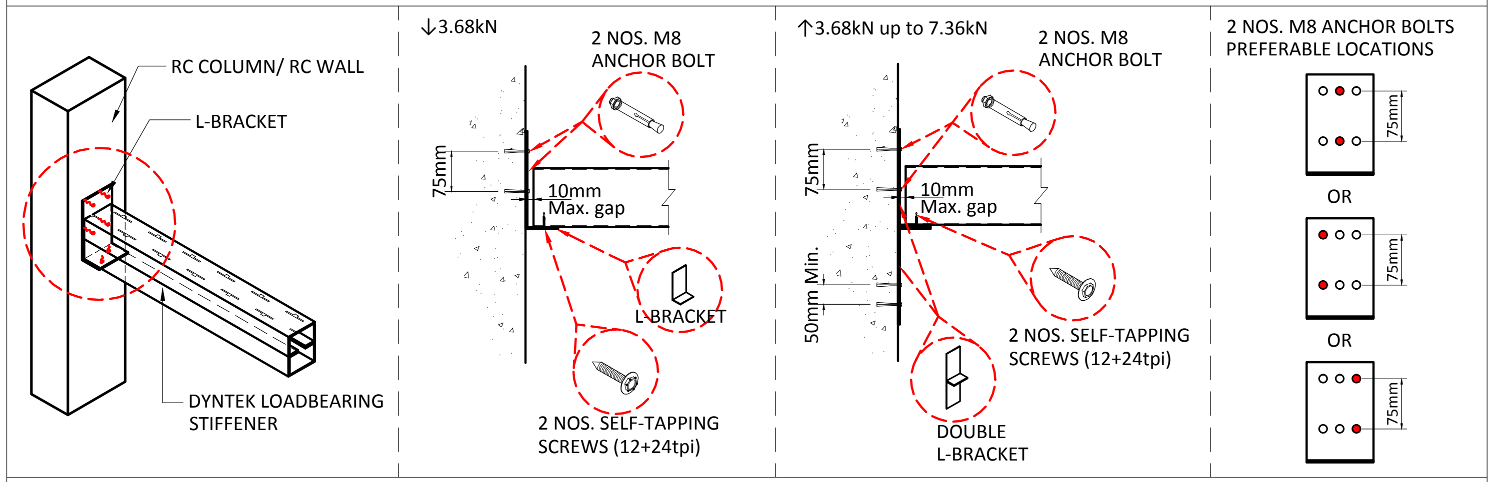
NOTE:
C1 = HSA M8 ANCHOR BOLTS OR EQUIVALENT
C2 = SELF-TAPPING SCREWS (12+24tpi) or equivalent

TYPICAL CONNECTION DETAILS - CONCRETE PANEL WALL

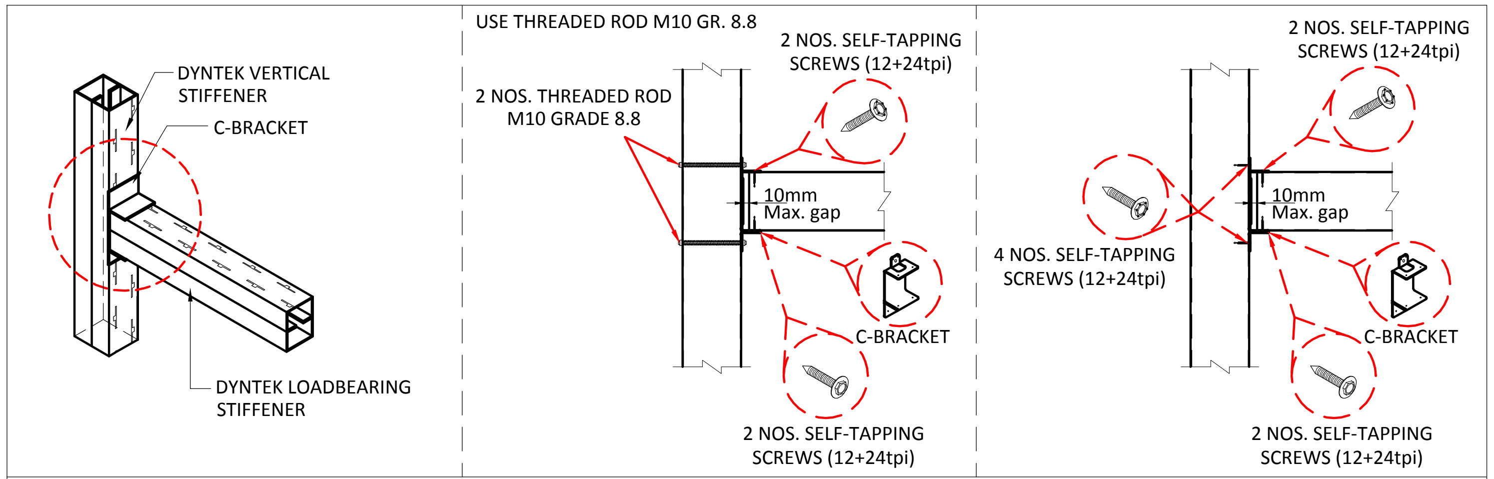




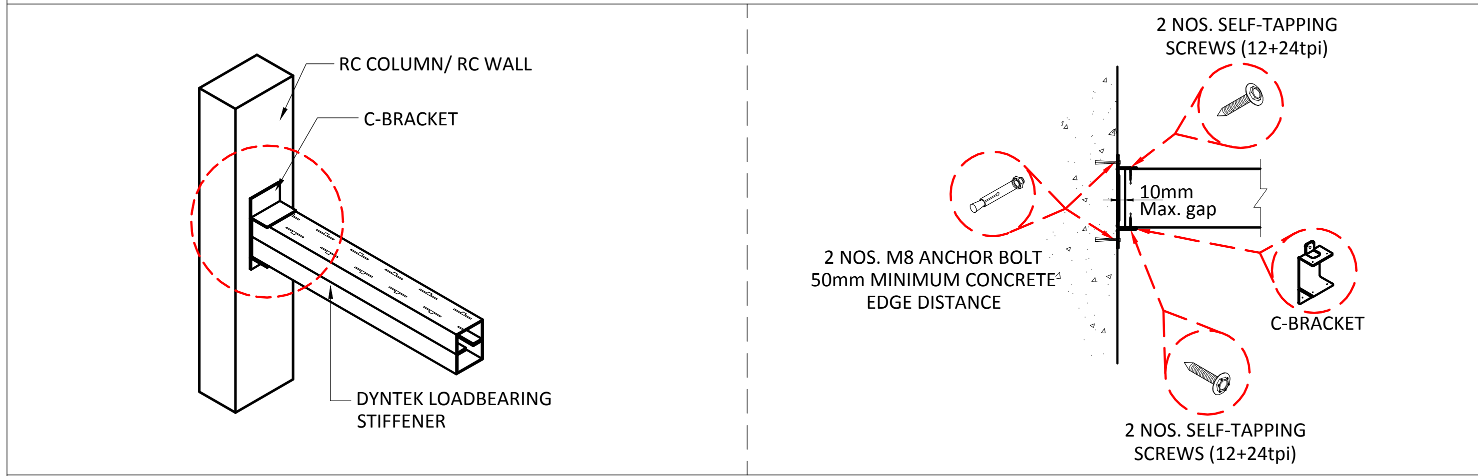
DETAIL A



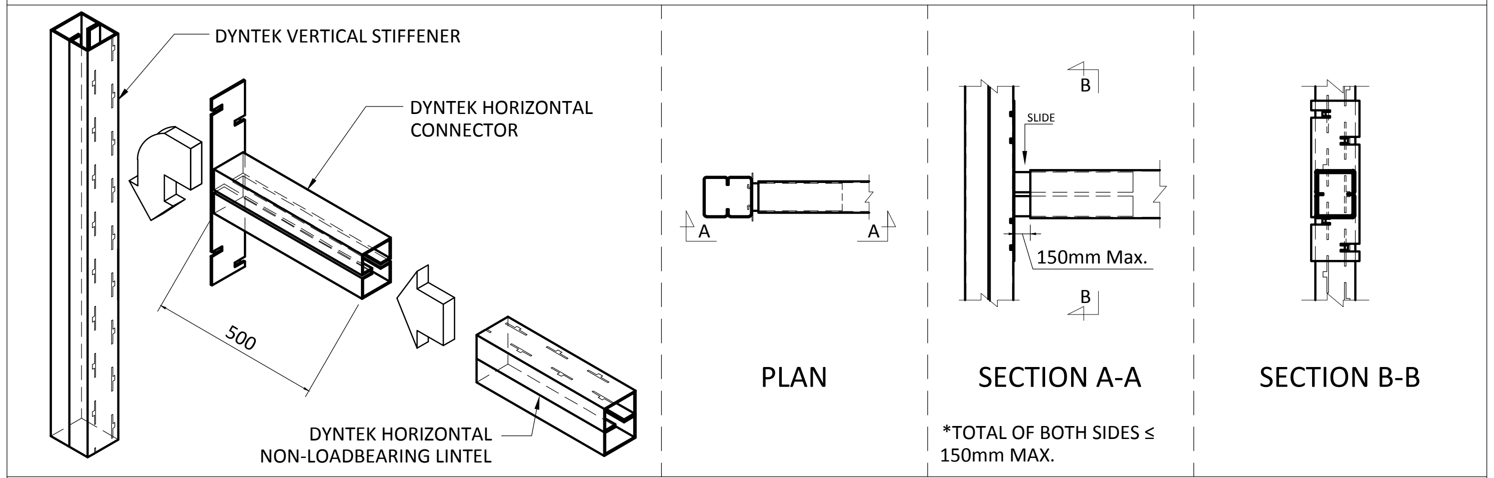
DETAIL B



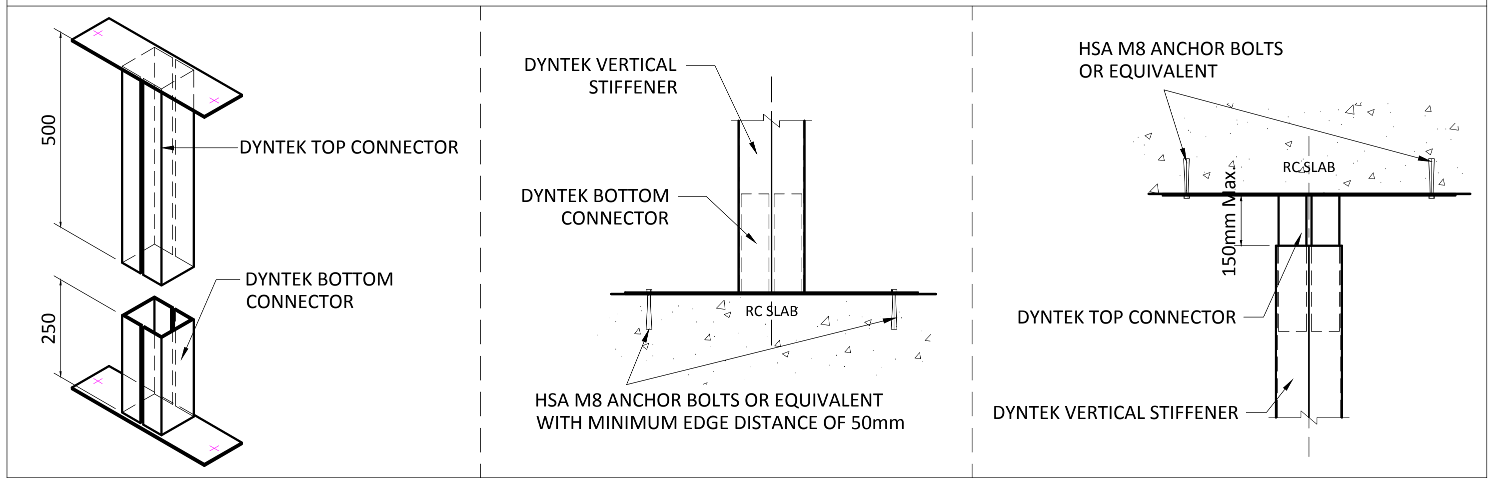
DETAIL A (USING C-BRACKET)



DETAIL B (USING C-BRACKET)

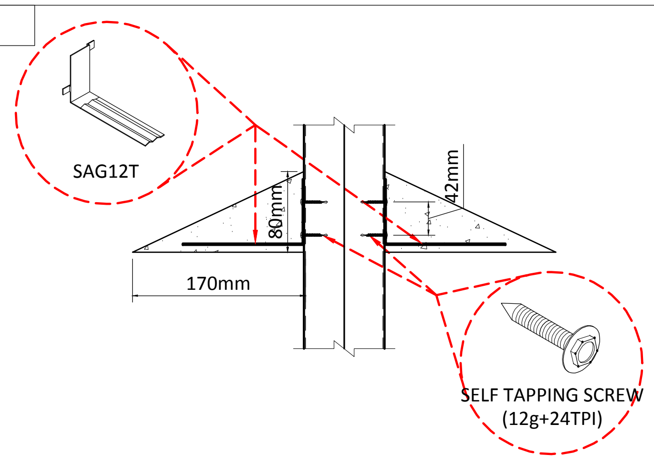


DETAIL C



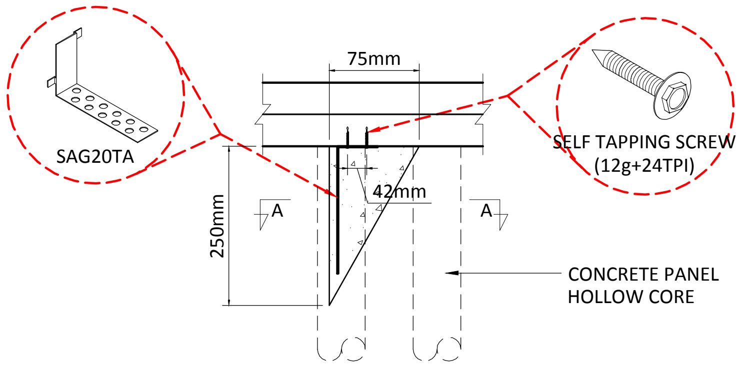
DETAIL D

WALL TIES ON VERTICAL STIFFENER

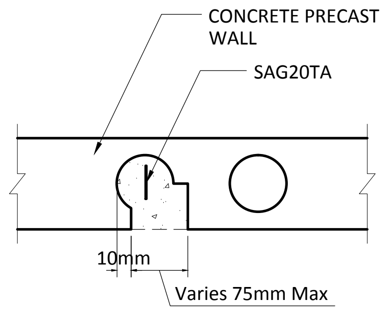


DETAIL E

WALL TIES ON HORIZONTAL STIFFENER



ELEVATION



SECTION A-A

DETAIL F

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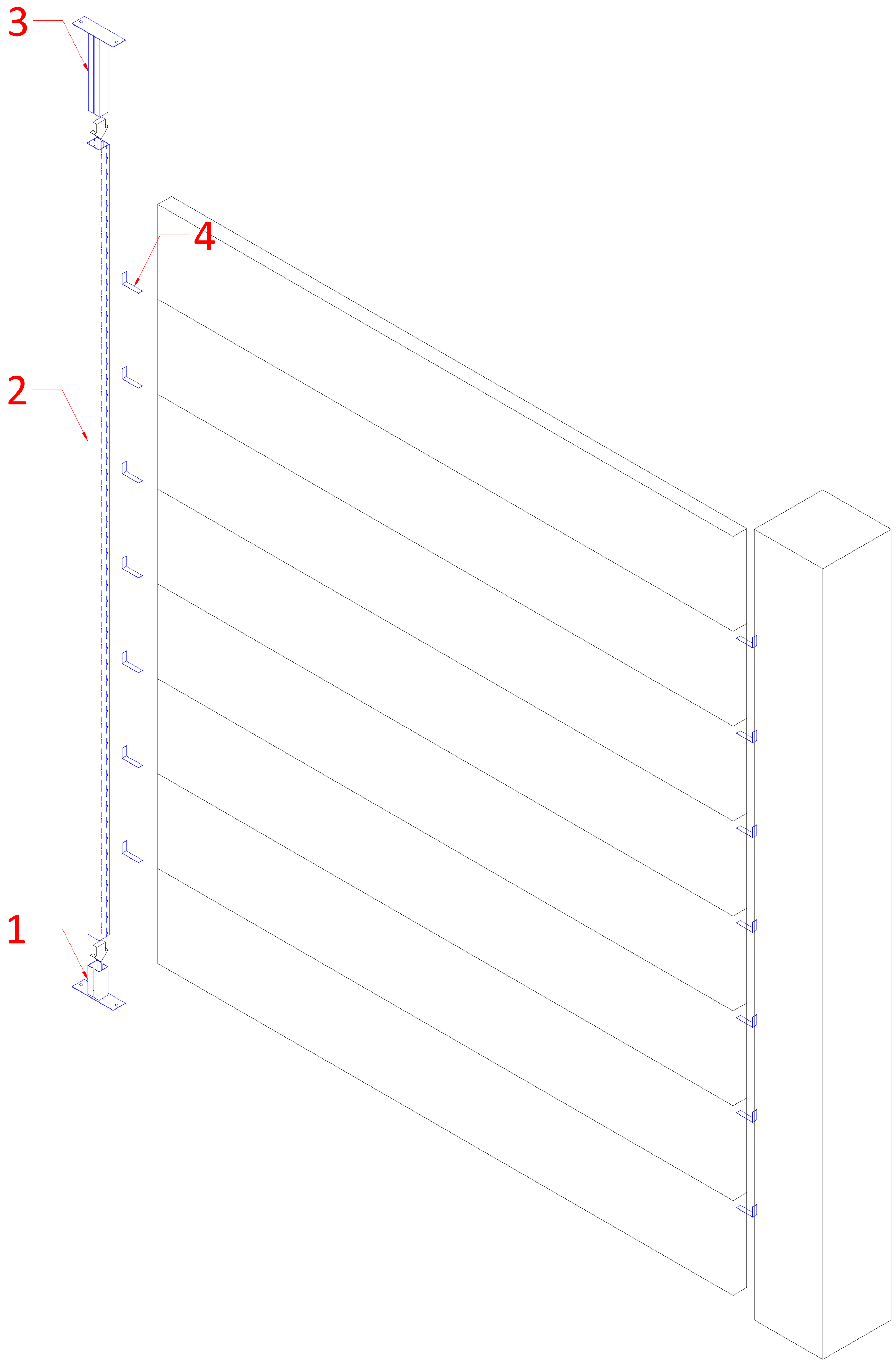
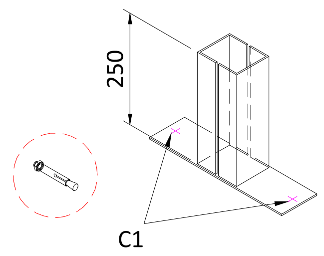
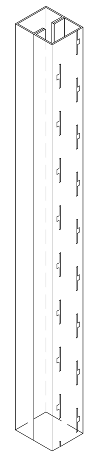


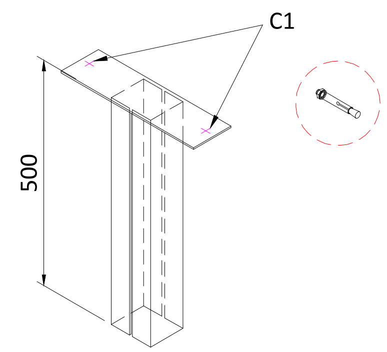


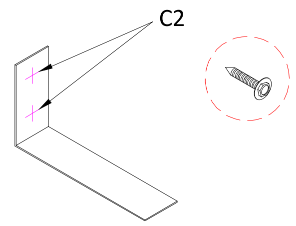
*EXTERNAL WALL = 500/700mm SLEEVE LENGTH (Subject to design)



DETAIL 1

DETAIL 2





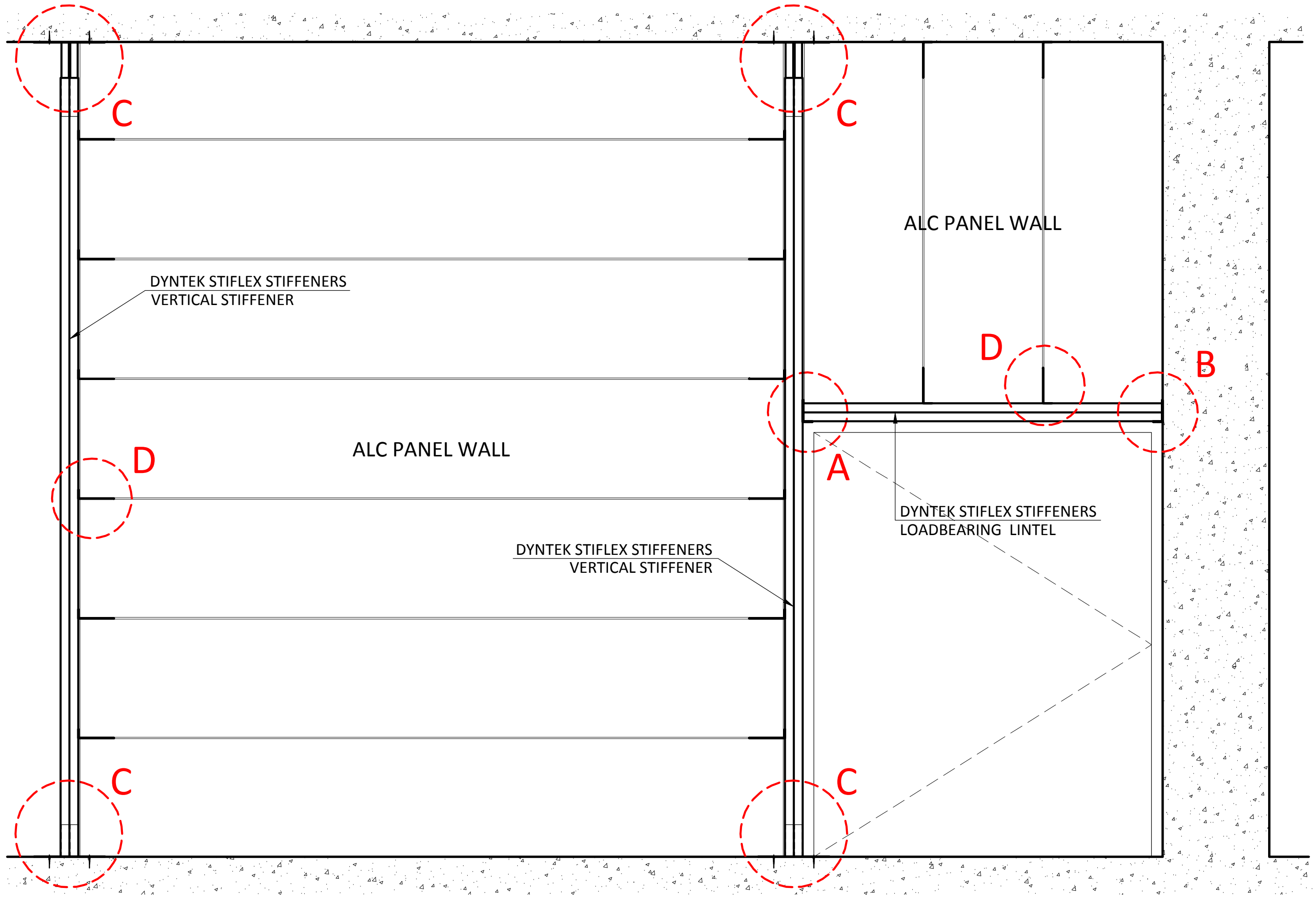
*PANEL'S BRACKET (PROVIDED BY ALC PANEL'S SUPPLIER)

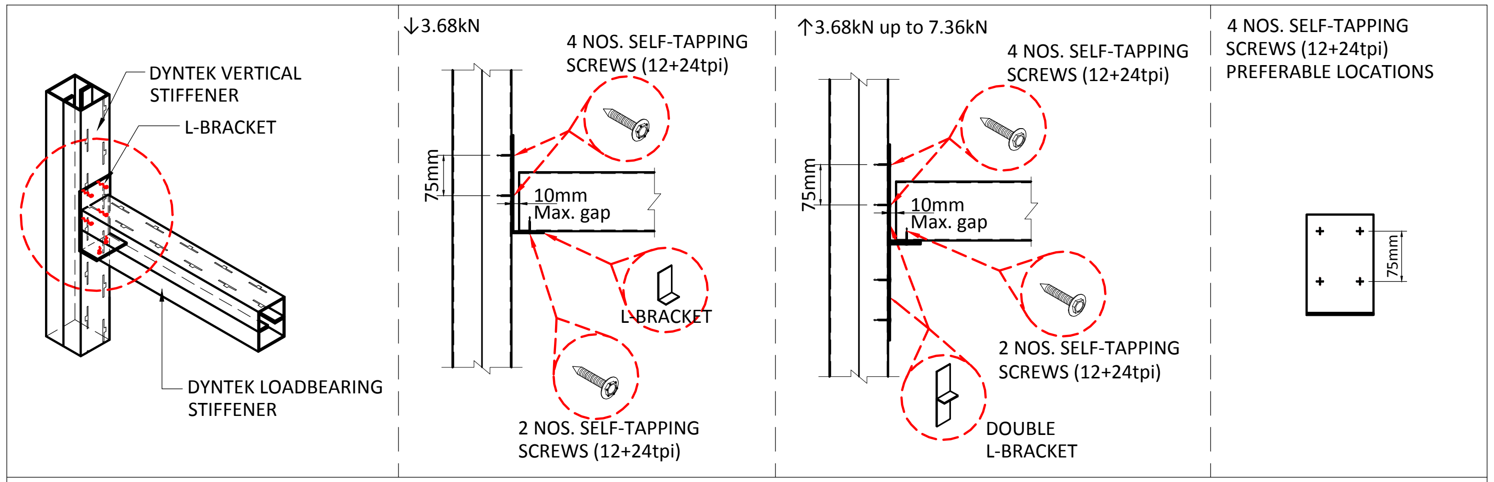
DETAIL 3

DETAIL 4

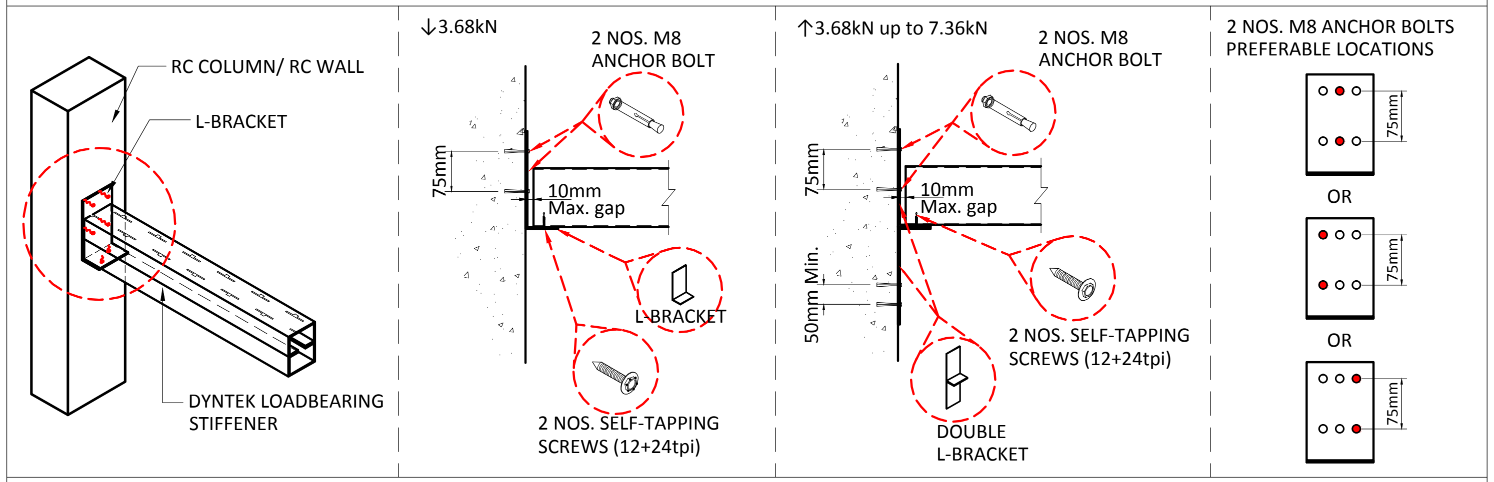
NOTE:
C1 = HSA M8 ANCHOR BOLTS OR EQUIVALENT
C2 = SELF-TAPPING SCREWS (10+24tpi)

TYPICAL CONNECTION DETAILS - ALC PANEL WALL (LAY HORIZONTALLY)

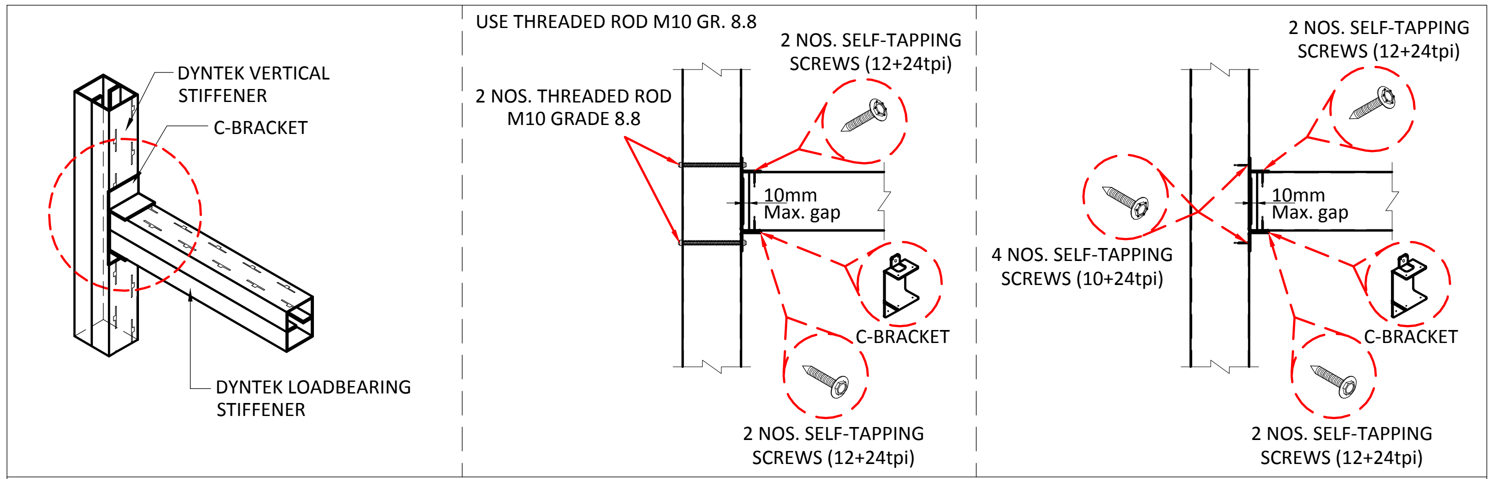




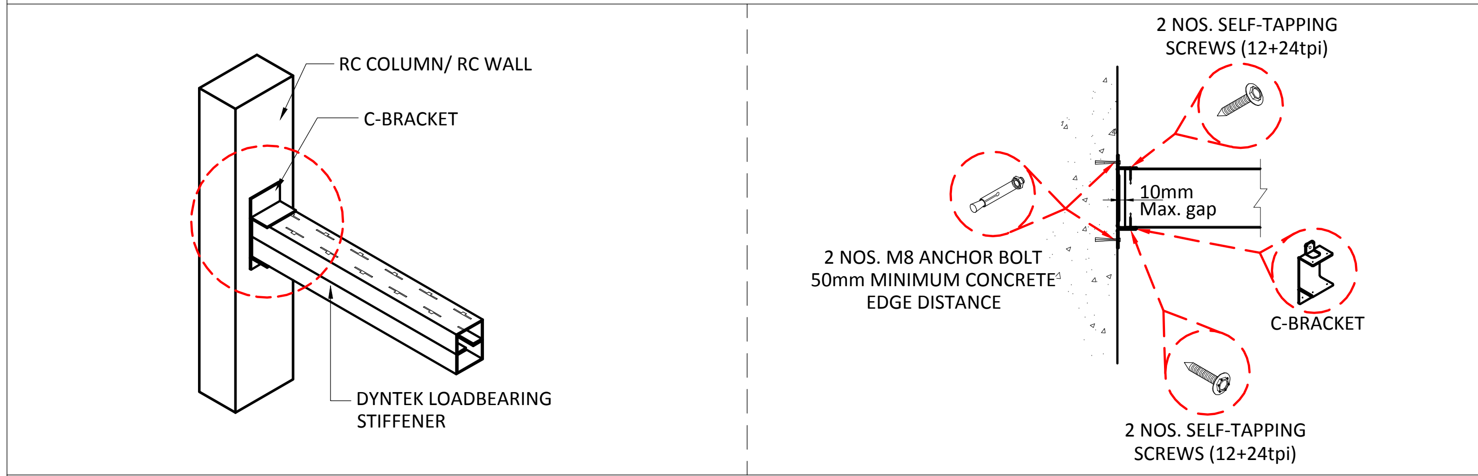
DETAIL A



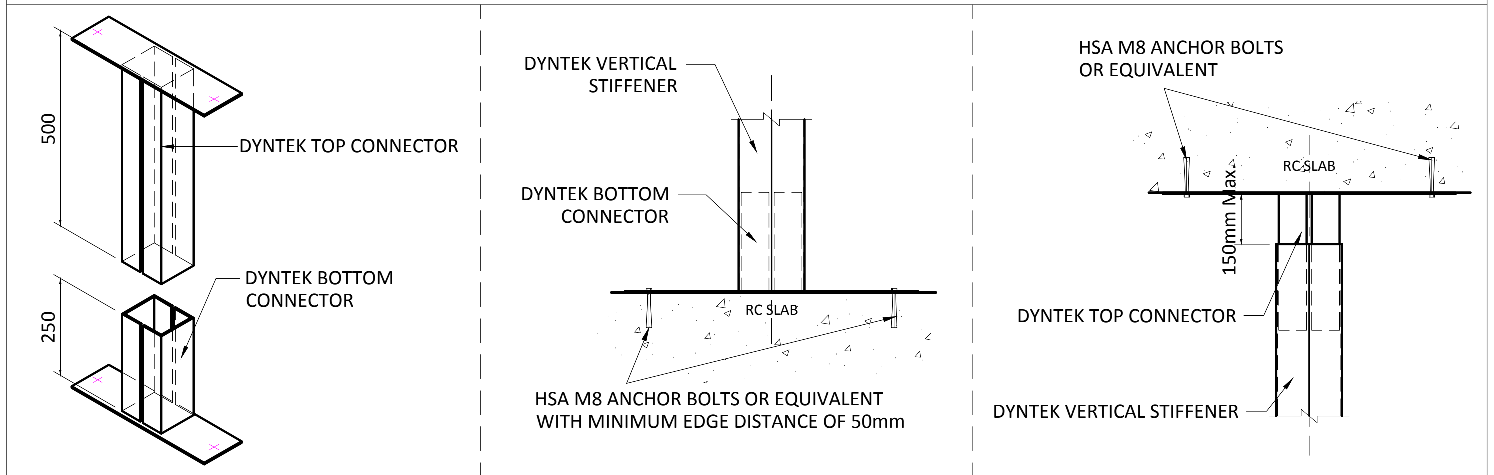
DETAIL B



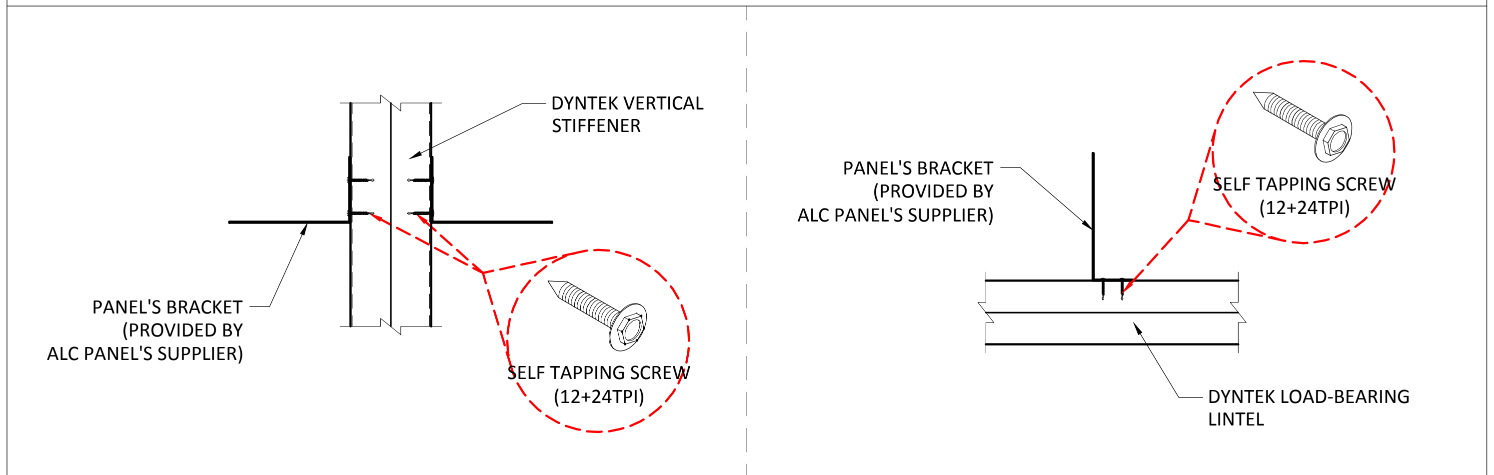
DETAIL A (USING C-BRACKET)



DETAIL B (USING C-BRACKET)

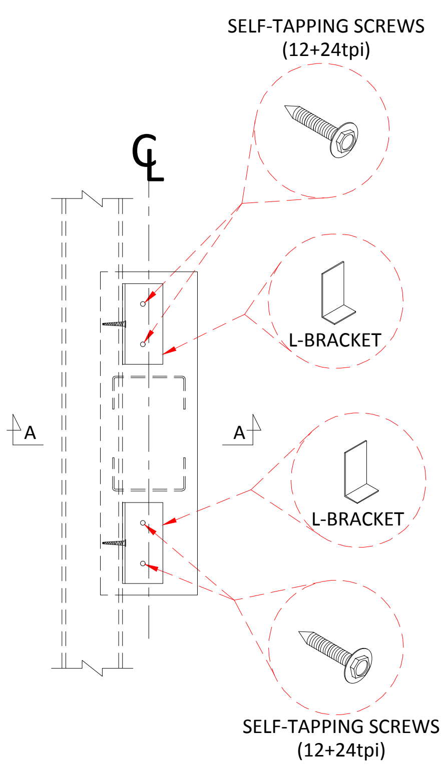


DETAIL C

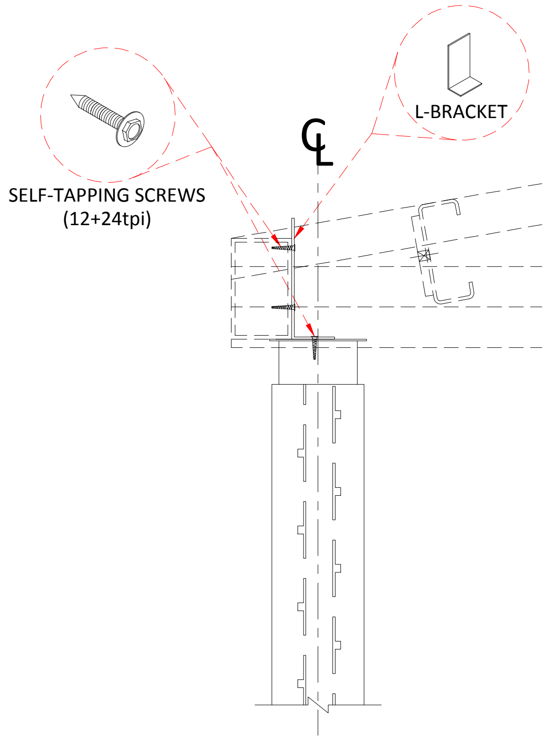


DETAIL D

SPECIAL CONNECTION DETAILS

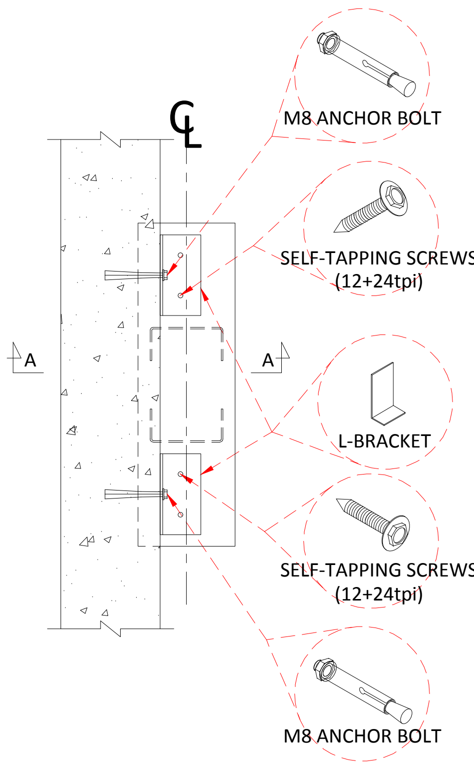


PLAN

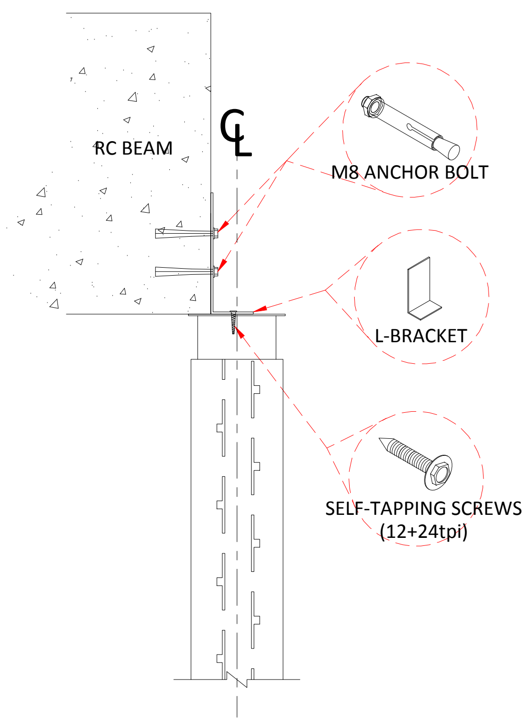


SECTION A-A

CASE 1: CONNECTOR OFFSET TO TRUSS



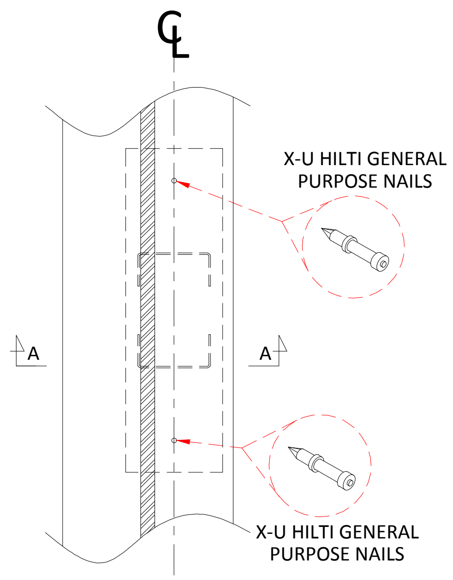
PLAN



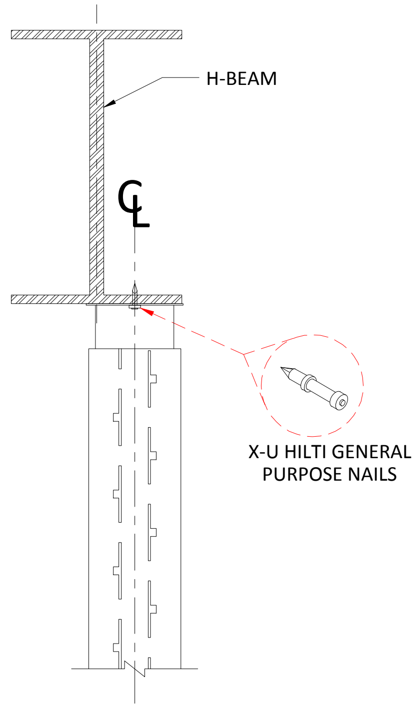
SECTION A-A

CASE 2: CONNECTOR OFFSET TO RC BEAM

SPECIAL CONNECTION DETAILS



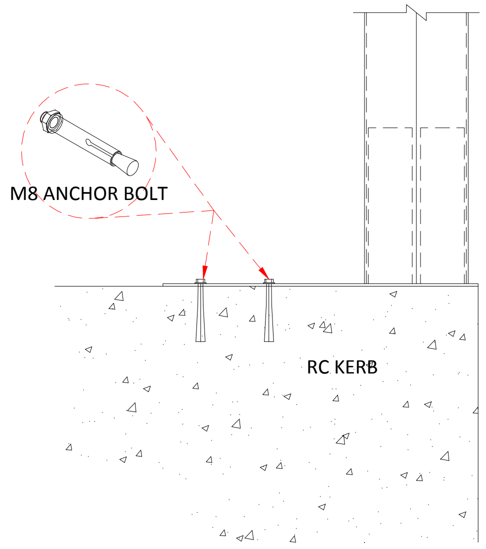
PLAN

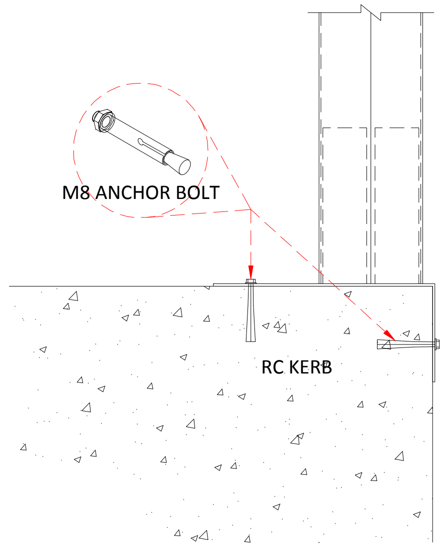


SECTION A-A

CASE 3: CONNECTOR OFFSET TO H-BEAM

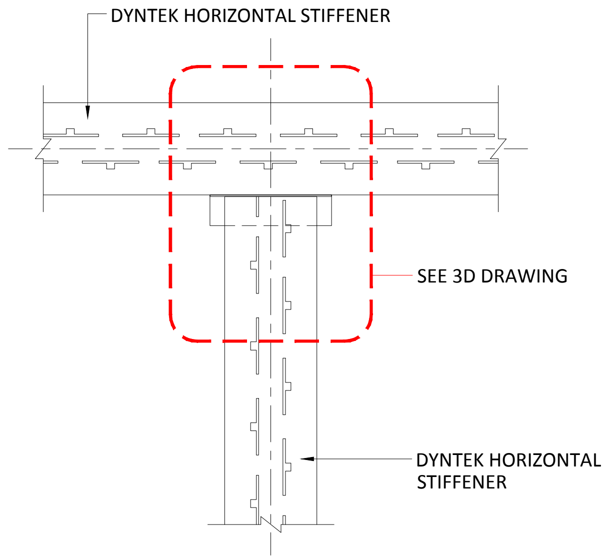
*ONE SIDE CONNECTOR



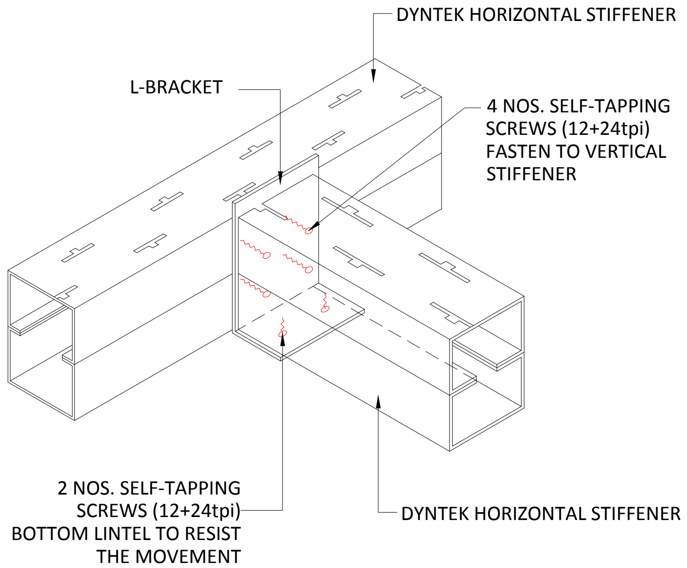


CASE 4: CONNECTOR ON EDGE OF KERB

SPECIAL CONNECTION DETAILS

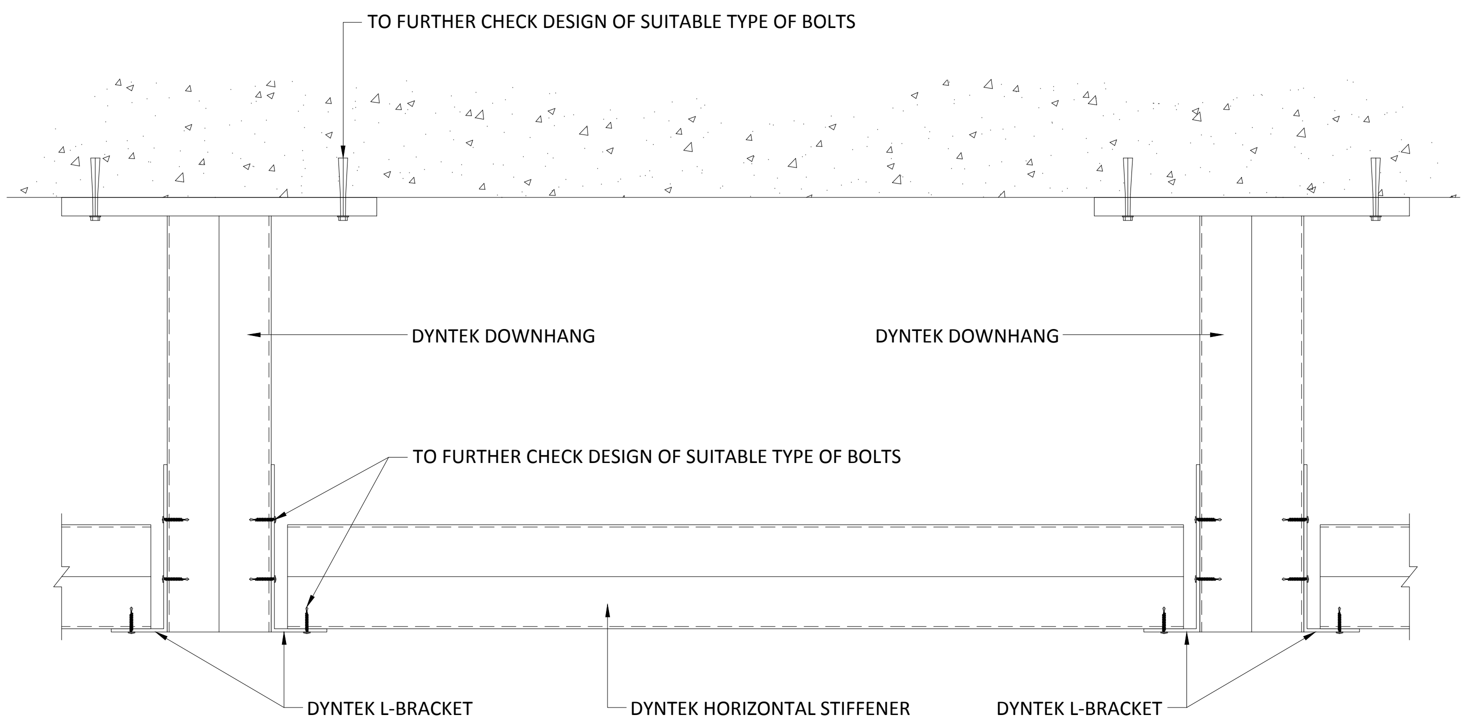


PLAN



3D

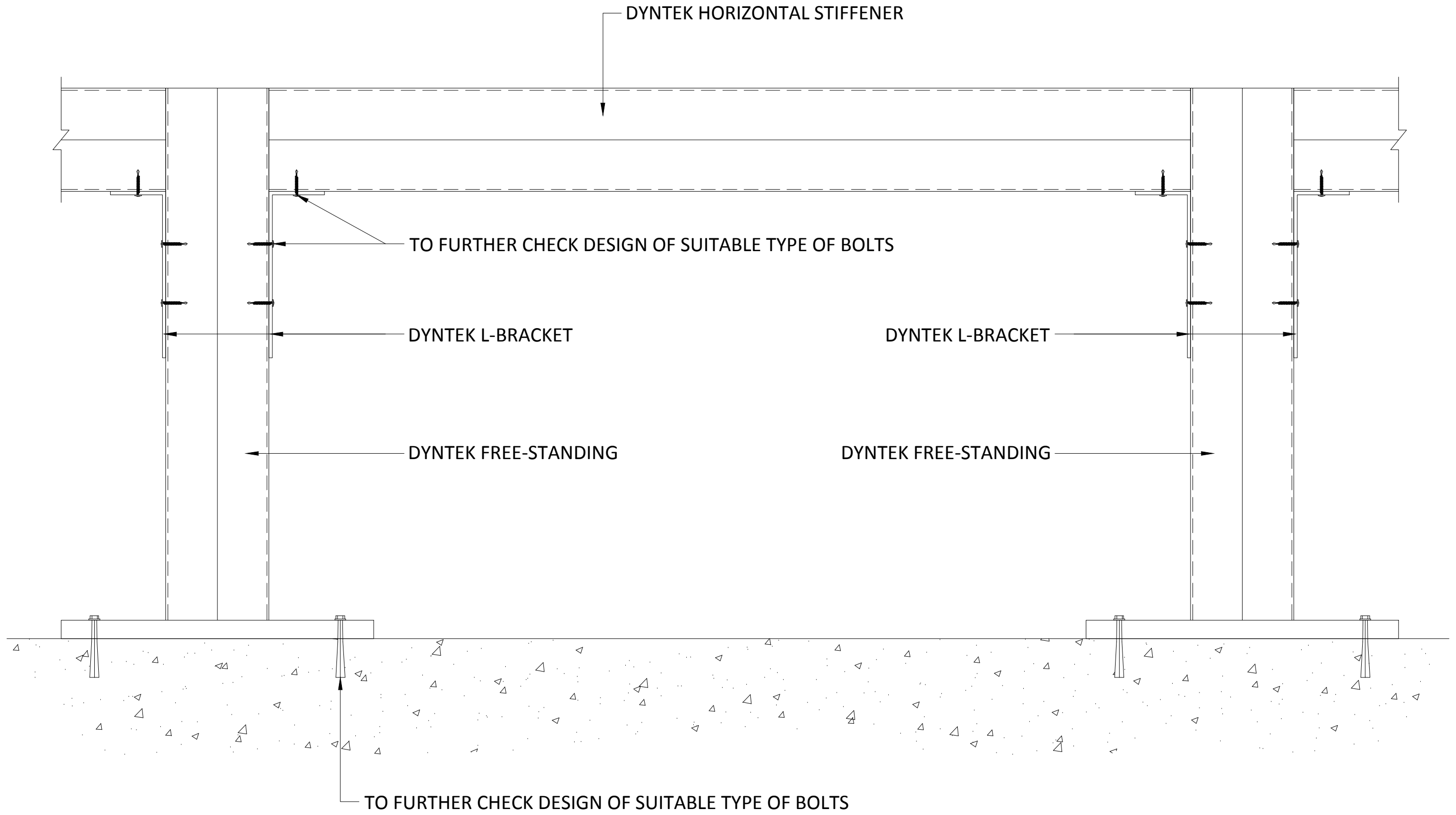
CASE 5: HORIZONTAL TO HORIZONTAL CONNECTION



*CHECK WITH ENGINEER FOR THE CONNECTION DETAILS

CASE 6: DOWNHANG CONNECTION

SPECIAL CONNECTION DETAILS

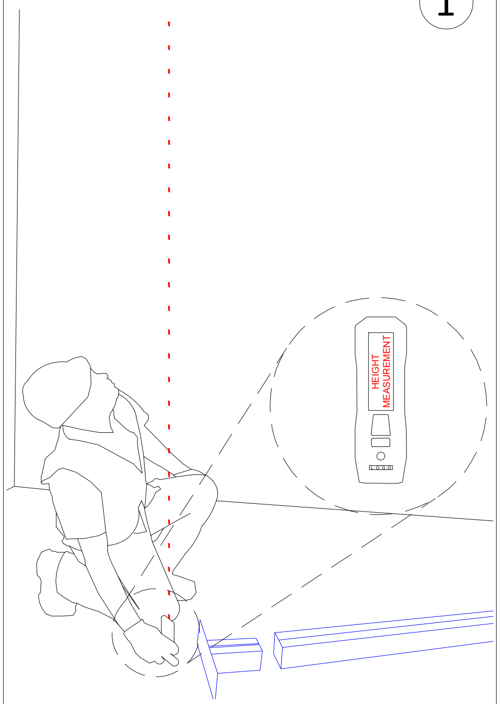


*CHECK WITH ENGINEER FOR THE CONNECTION DETAILS

CASE 7: FREE-STANDING CONNECTION

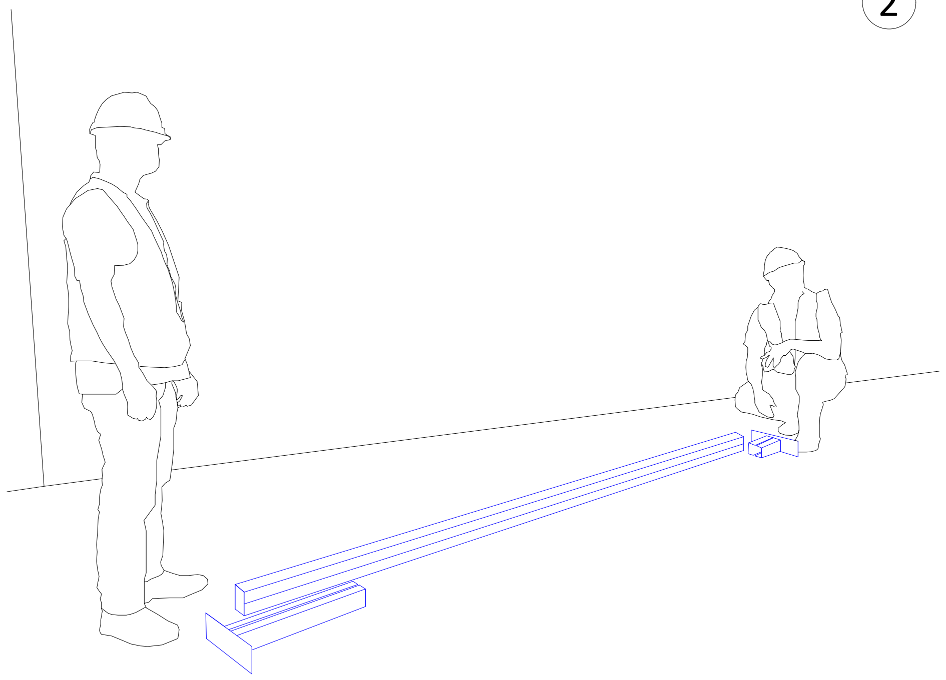
CORRECT ROCKWOOL REMOVAL

1



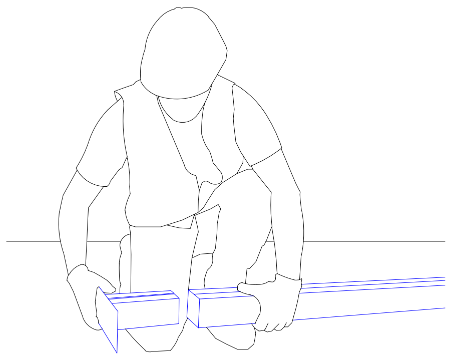
SITE WORKER TO MEASURE/ DETERMINE THE WALL HEIGHT FIRST FROM LASER METER/ MEASURING TAPE BEFORE INSTALLING STIFFENER.

2



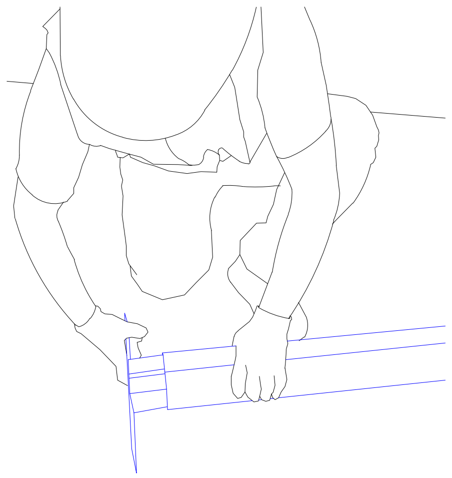
SITE WORKER TO LAYOUT MAIN STIFFENER MEMBER AND BOTH VERTICAL AND HORIZONTAL CONNECTORS.

3



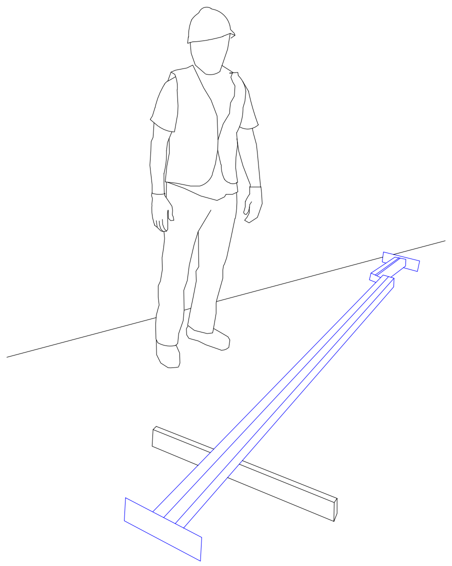
SITE WORKER TO FIX BOTTOM CONNECTOR FIRST INTO THE MAIN STIFFENER MEMBER (PART 1).

4



SITE WORKER TO FIX BOTTOM CONNECTOR FIRST INTO THE MAIN STIFFENER MEMBER (PART 2).

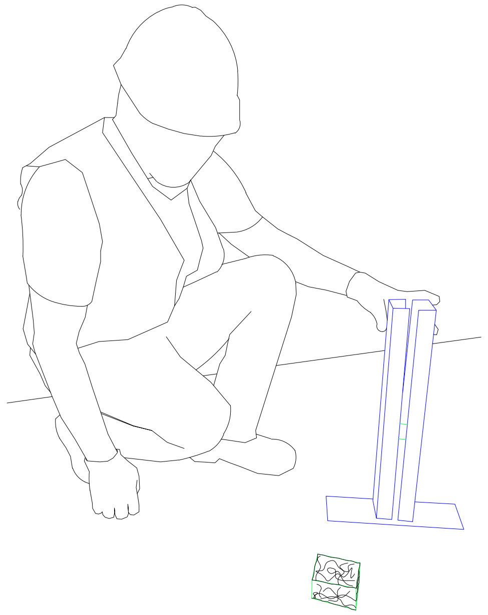
5



END OF FIXING BOTTOM CONNECTOR AND START OF FIXING TOP CONNECTOR.

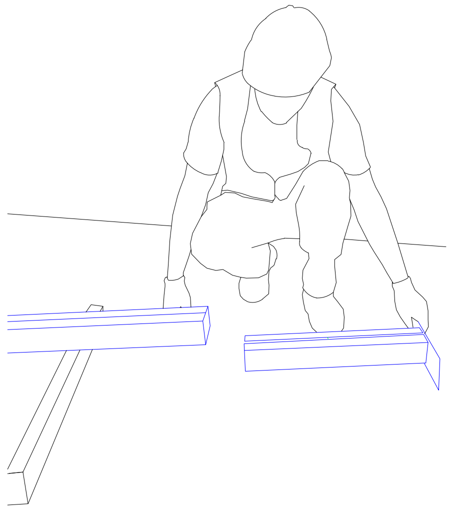
CORRECT ROCKWOOL REMOVAL

6



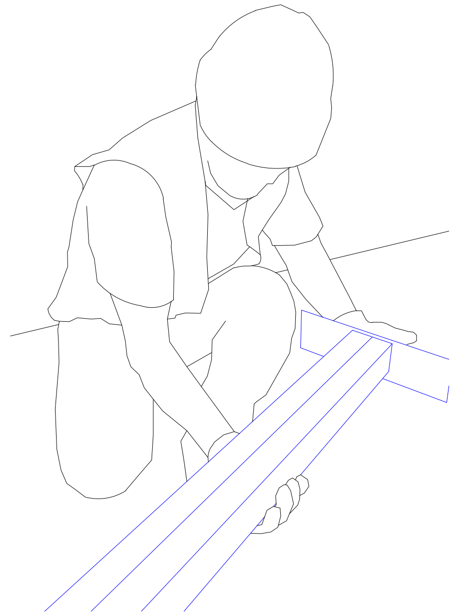
REMOVE EXCESS ROCKWOOL FROM TOP CONNECTOR BEFORE FIXING TOP CONNECTOR INTO MAIN STIFFENER MEMBER. DO NOT REMOVE ROCKWOOL FROM MAIN STIFFENER.

7



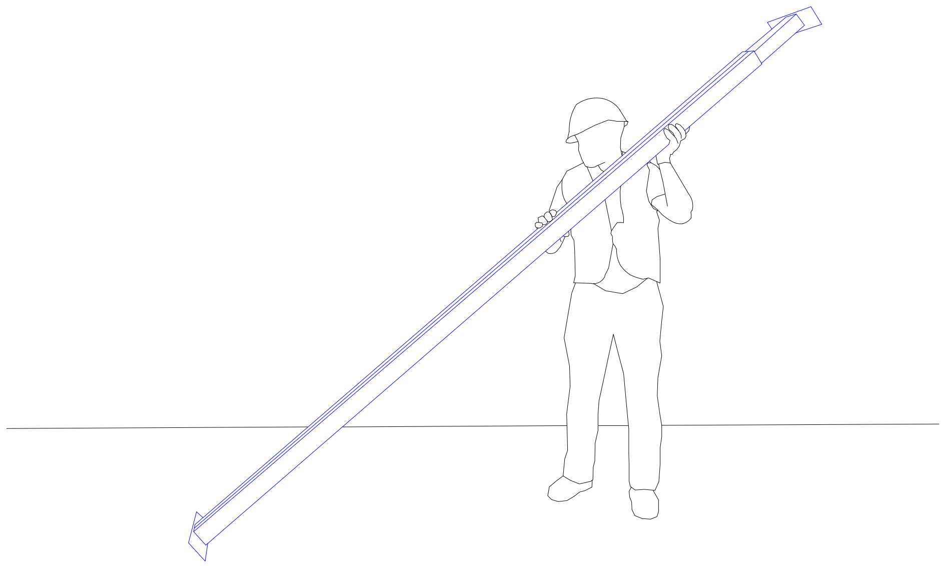
MOVING ONTO THE FIXING OF TOP CONNECTOR INTO THE MAIN STIFFENER MEMBER (PART 1).

8



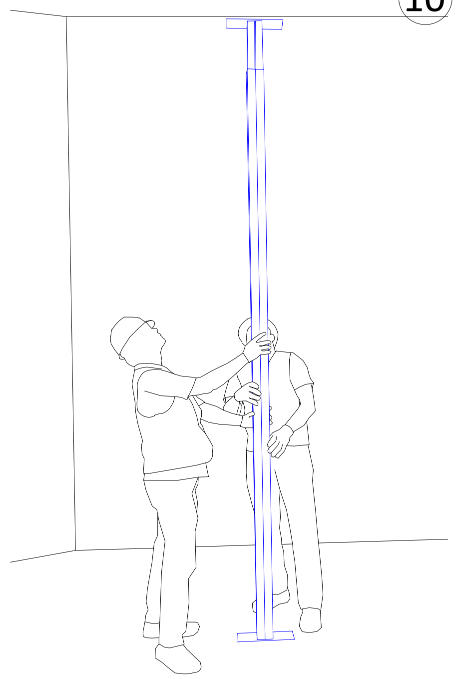
MOVING ONTO THE FIXING OF TOP CONNECTOR INTO THE MAIN STIFFENER MEMBER (PART 2).

9



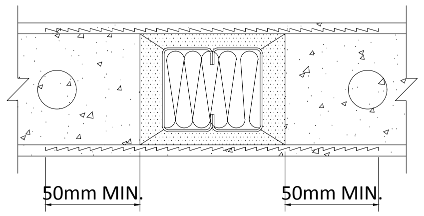
AFTER FIXING TOP CONNECTOR INTO THE MAIN STIFFENER BEAM, PUSH UP STIFFENER TO UPRIGHT POSITION.

10

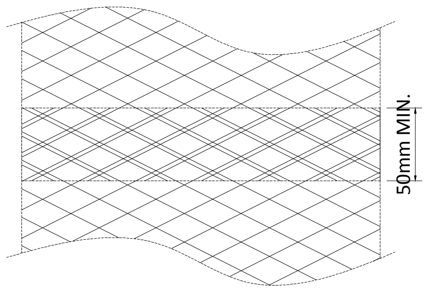


FASTENING ANCHOR BOLTS (TOP AND BOTTOM). COMPLETED.

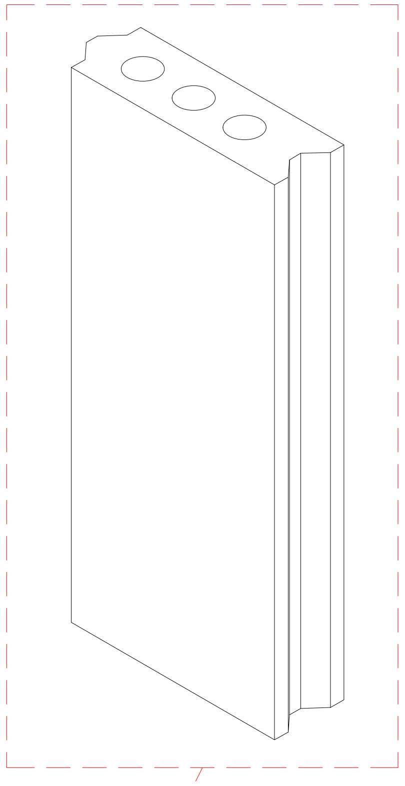
STIFLEX LATH FOR SKIM COATING

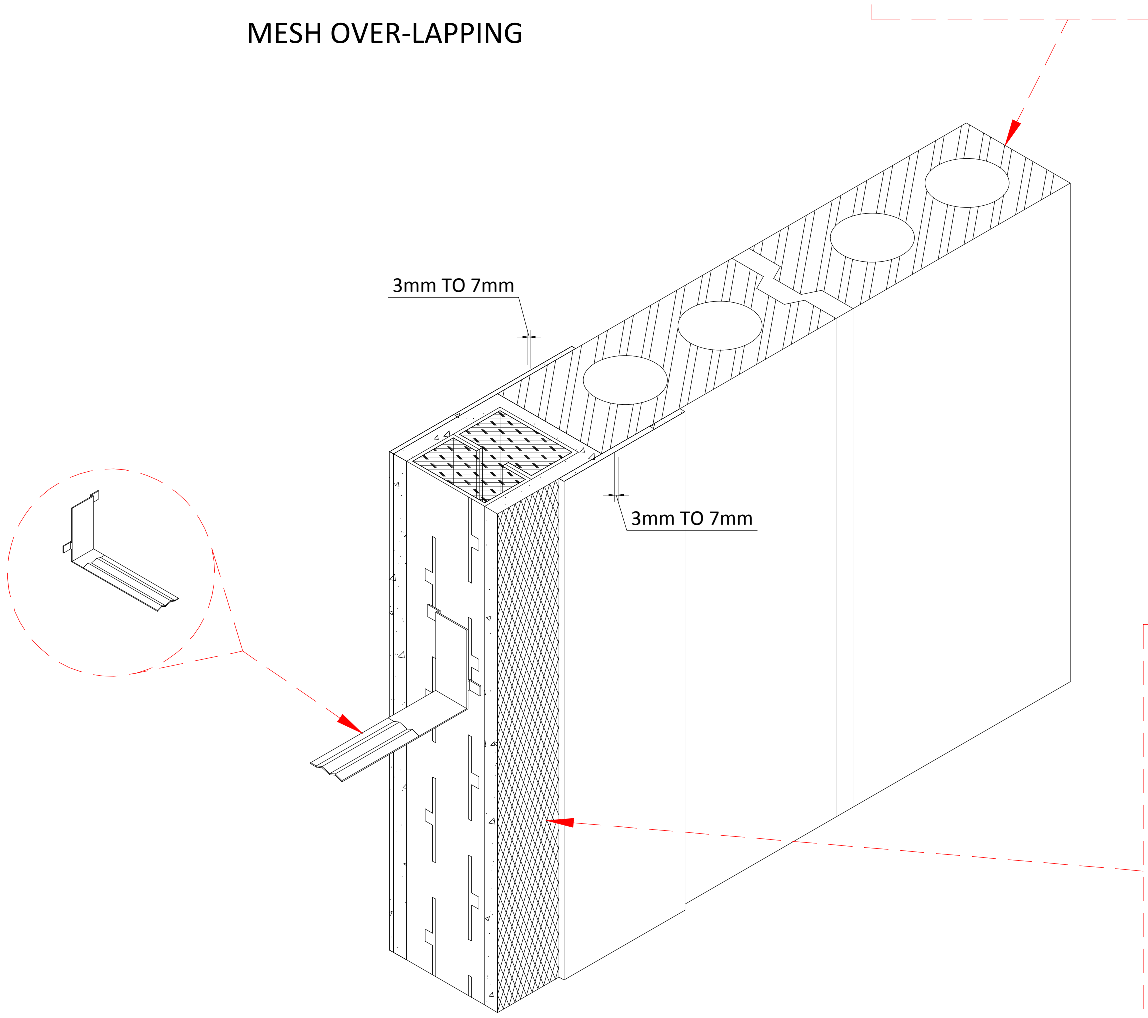


TYPICAL PLAN

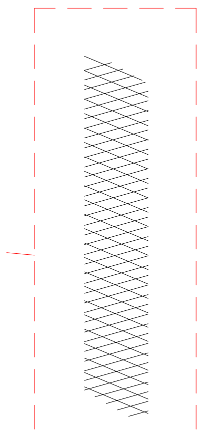


MESH OVER-LAPPING





ISOMETRIC VIEW



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