



FIG. 1 (Prior Art)

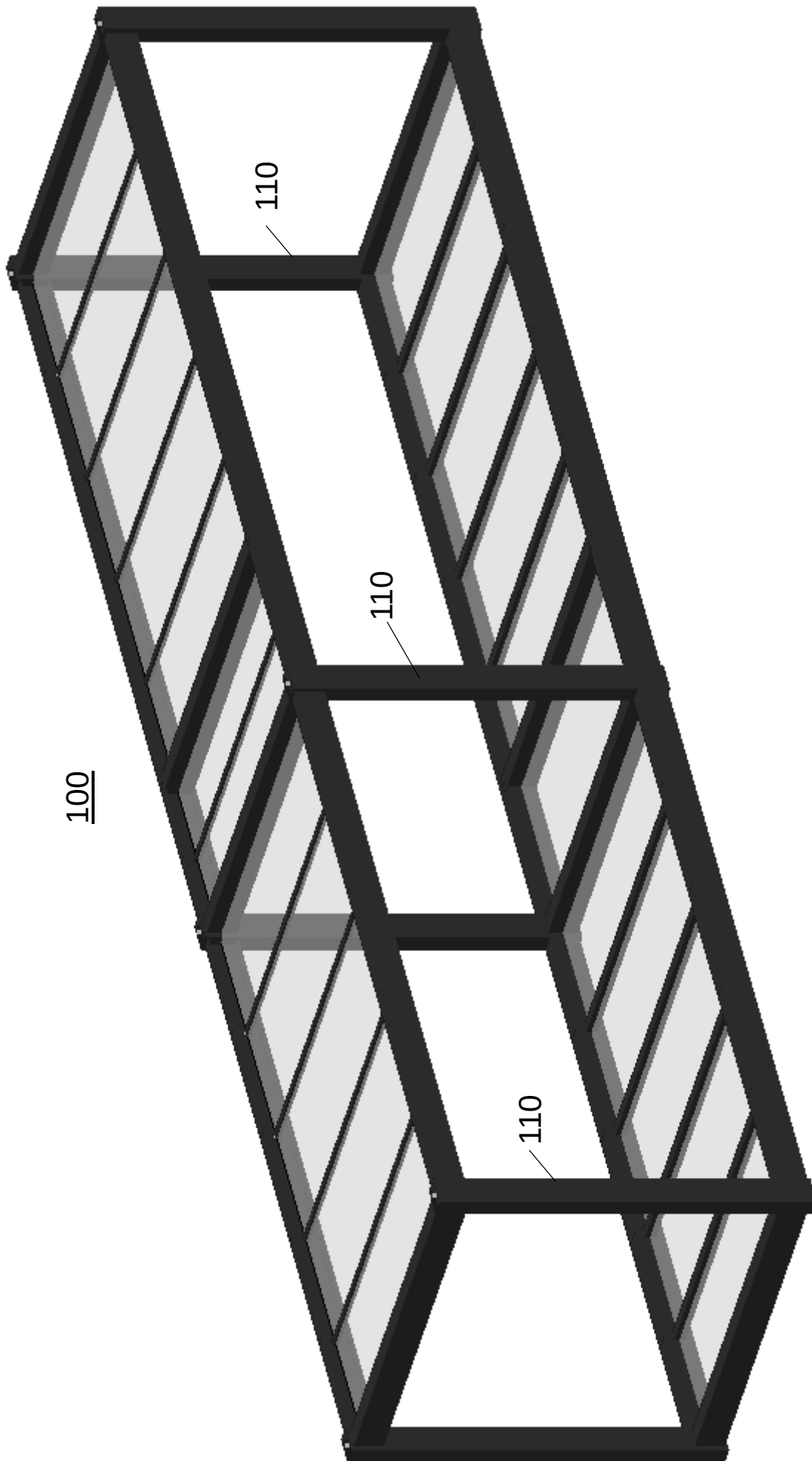


FIG. 2

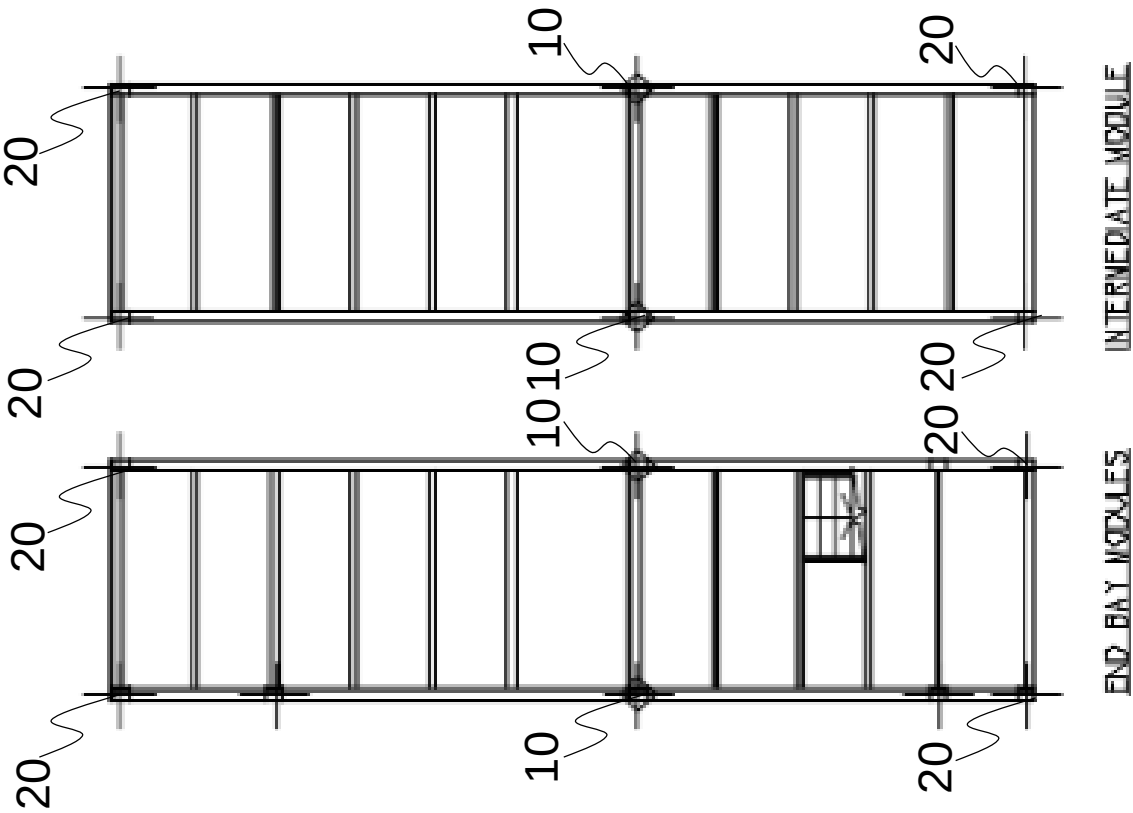
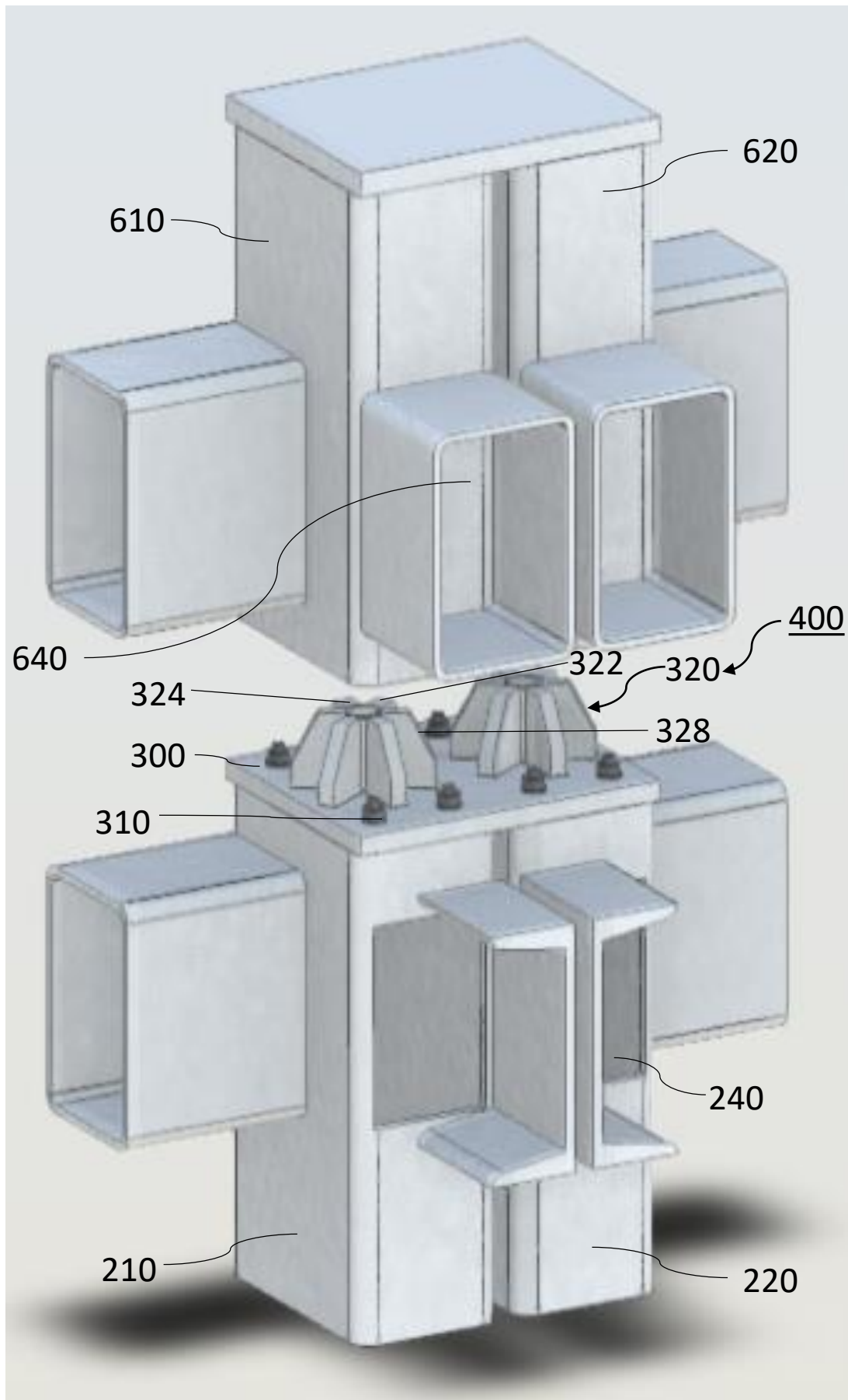


FIG. 3

**FIG. 4**

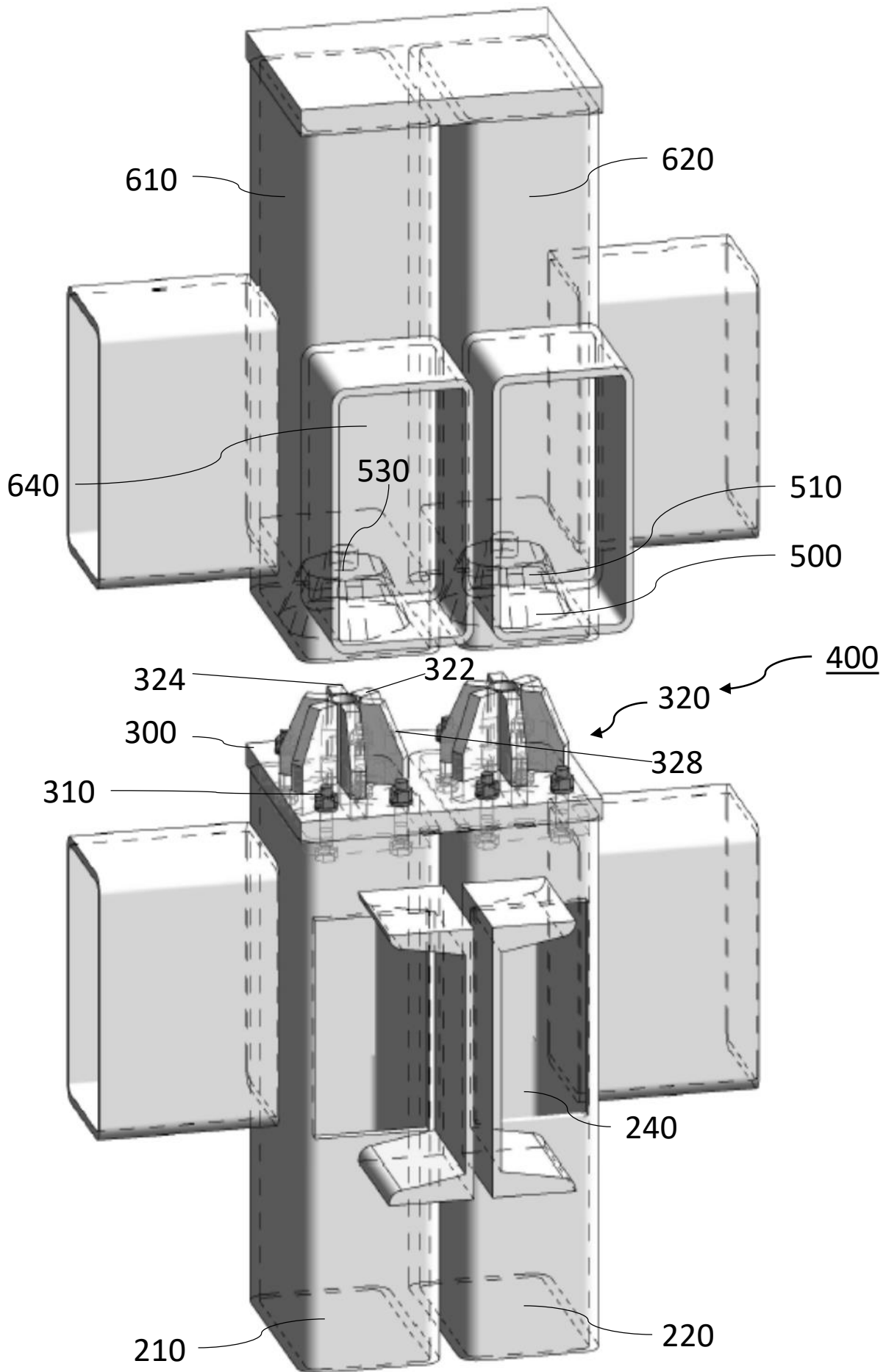
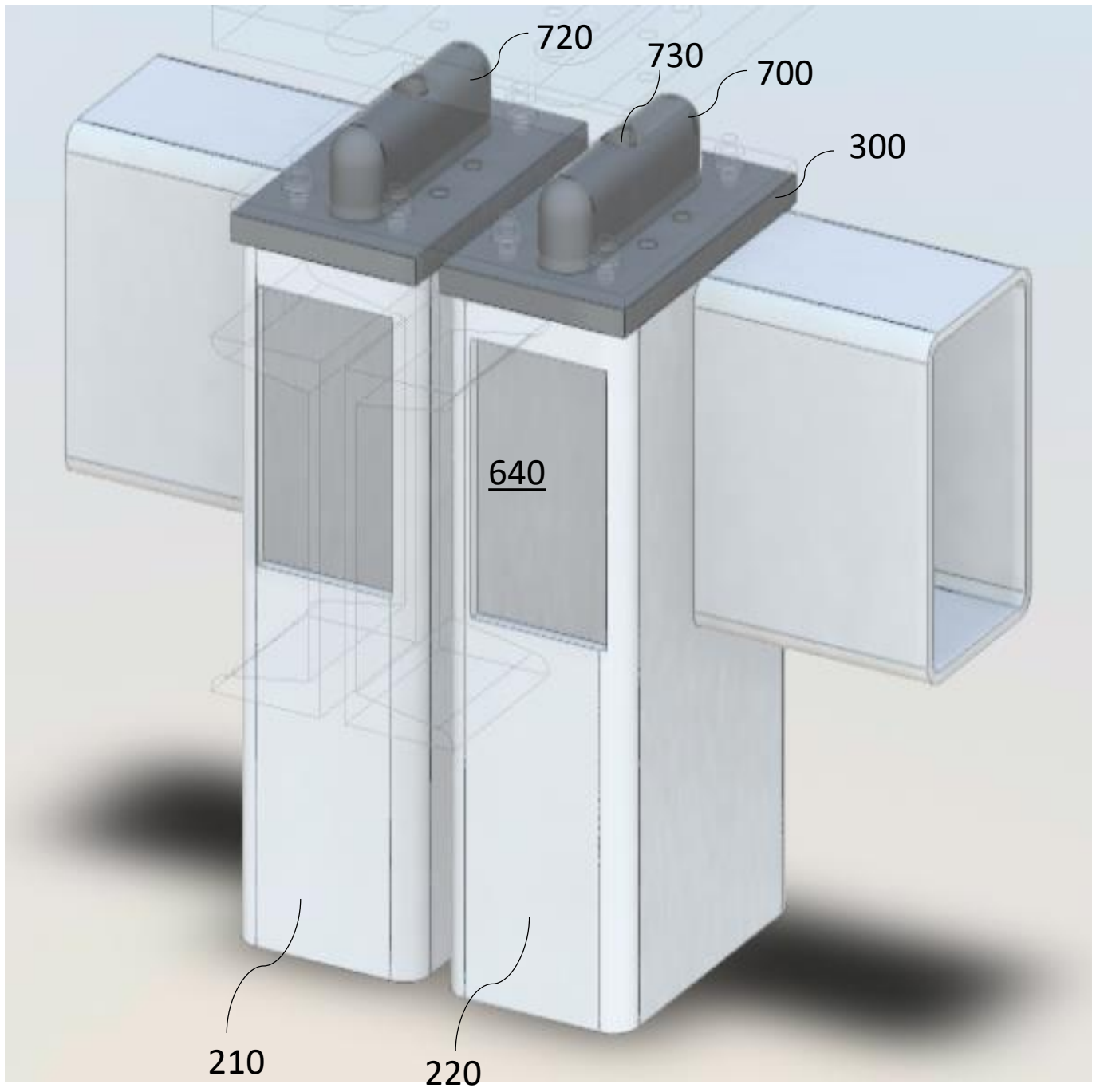
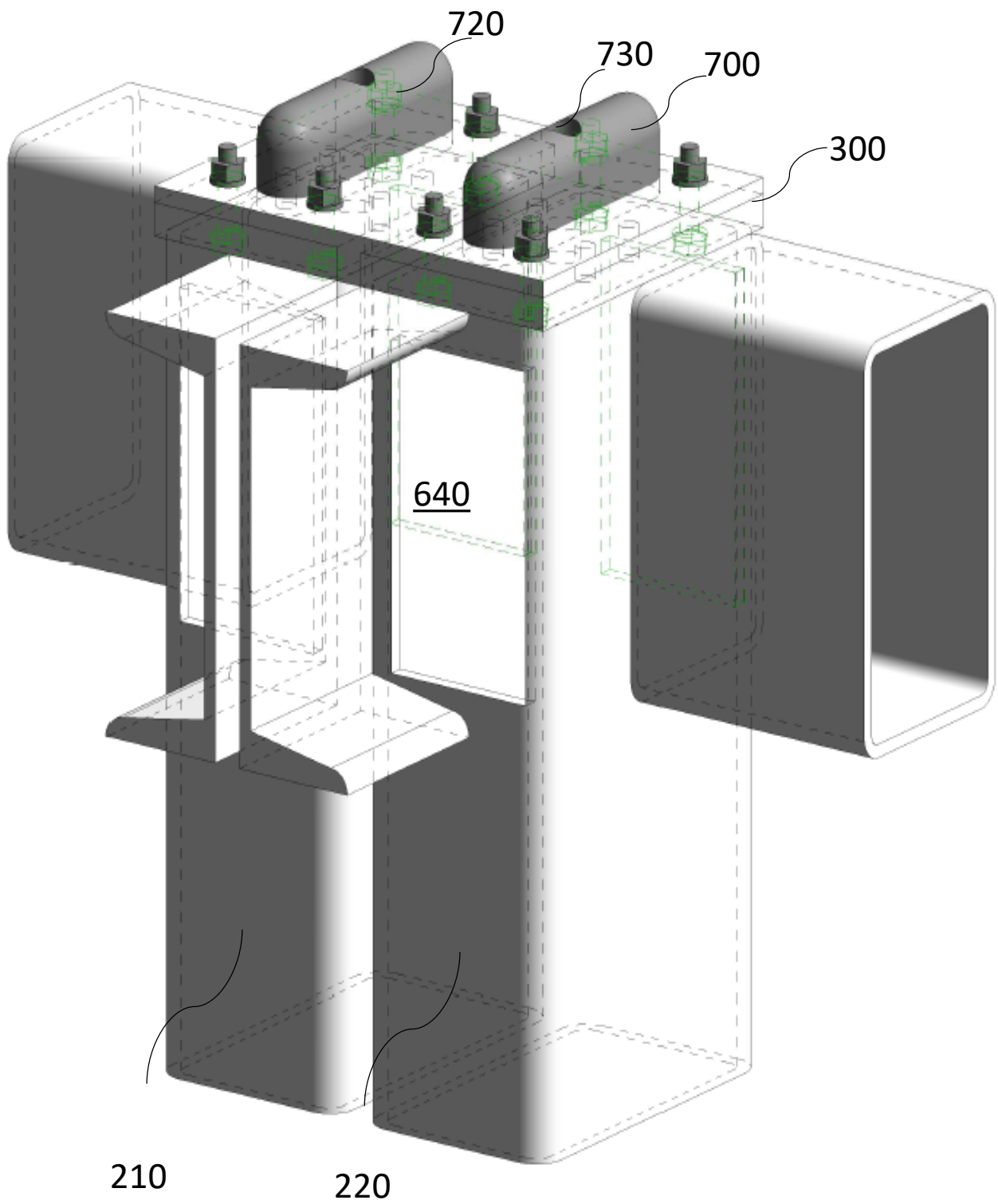
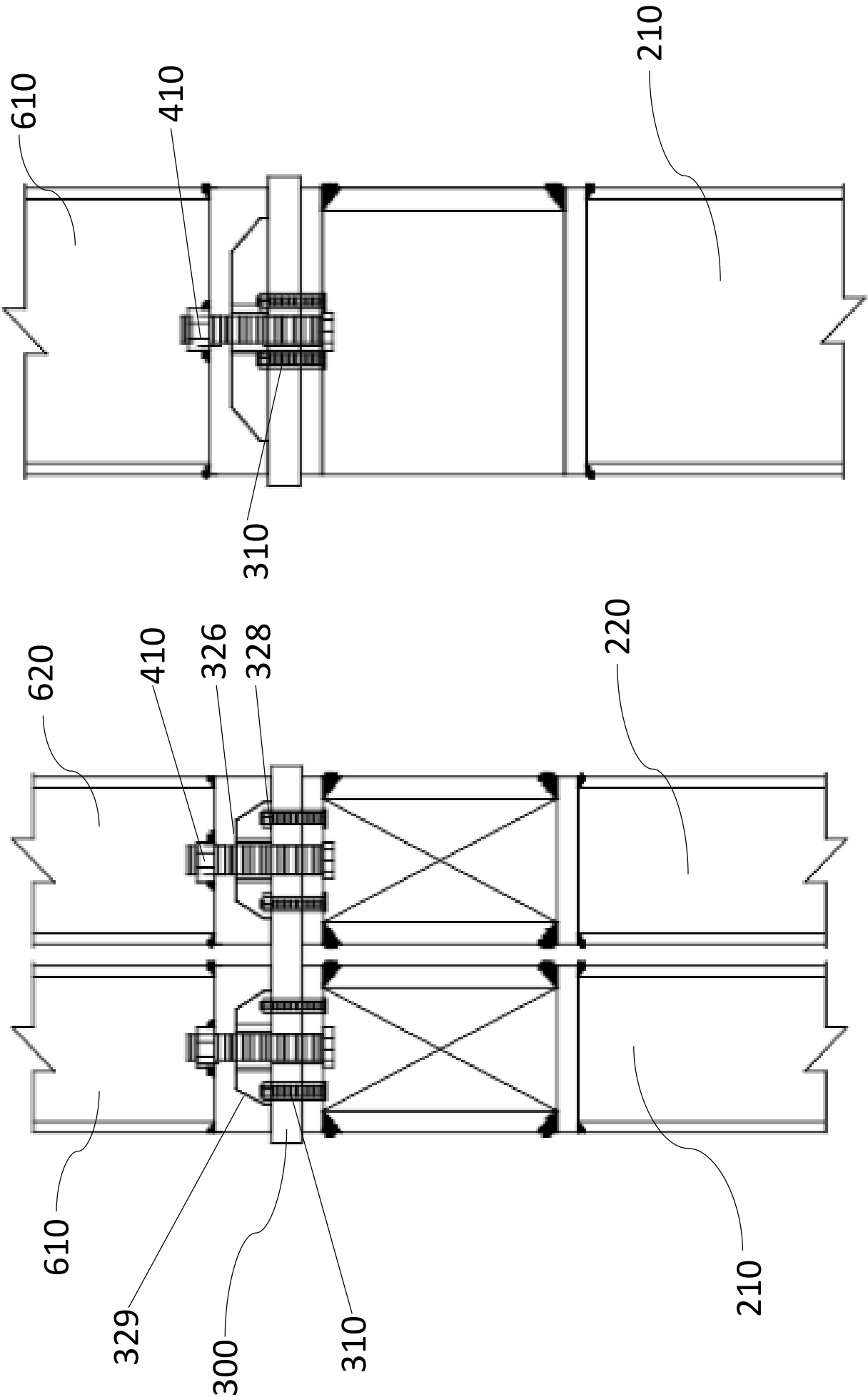


FIG. 4 (Cont'd)

**FIG. 5**

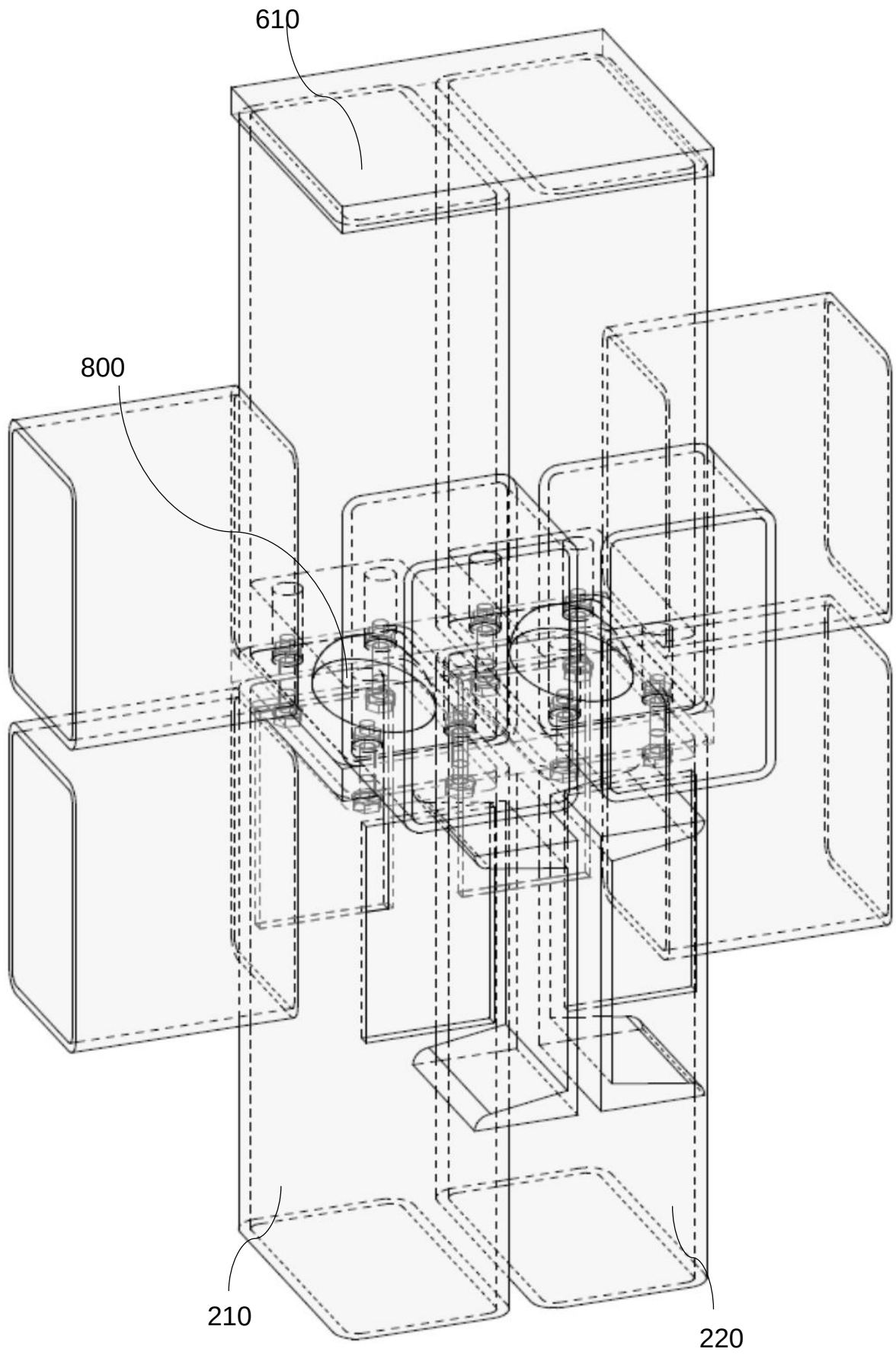
**FIG. 5 (Cont'd)**

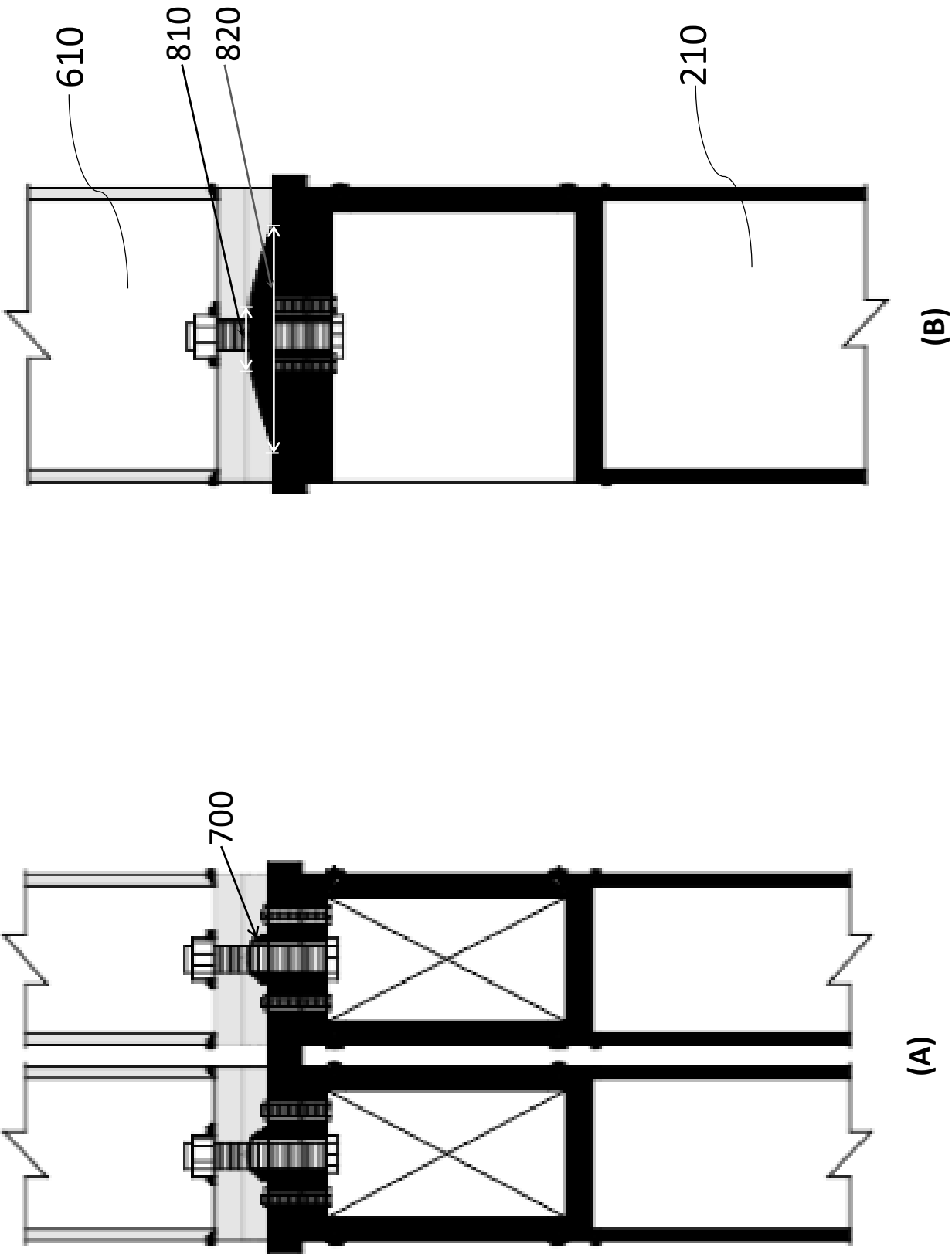


(A)

(B)

FIG. 6

**FIG. 7**



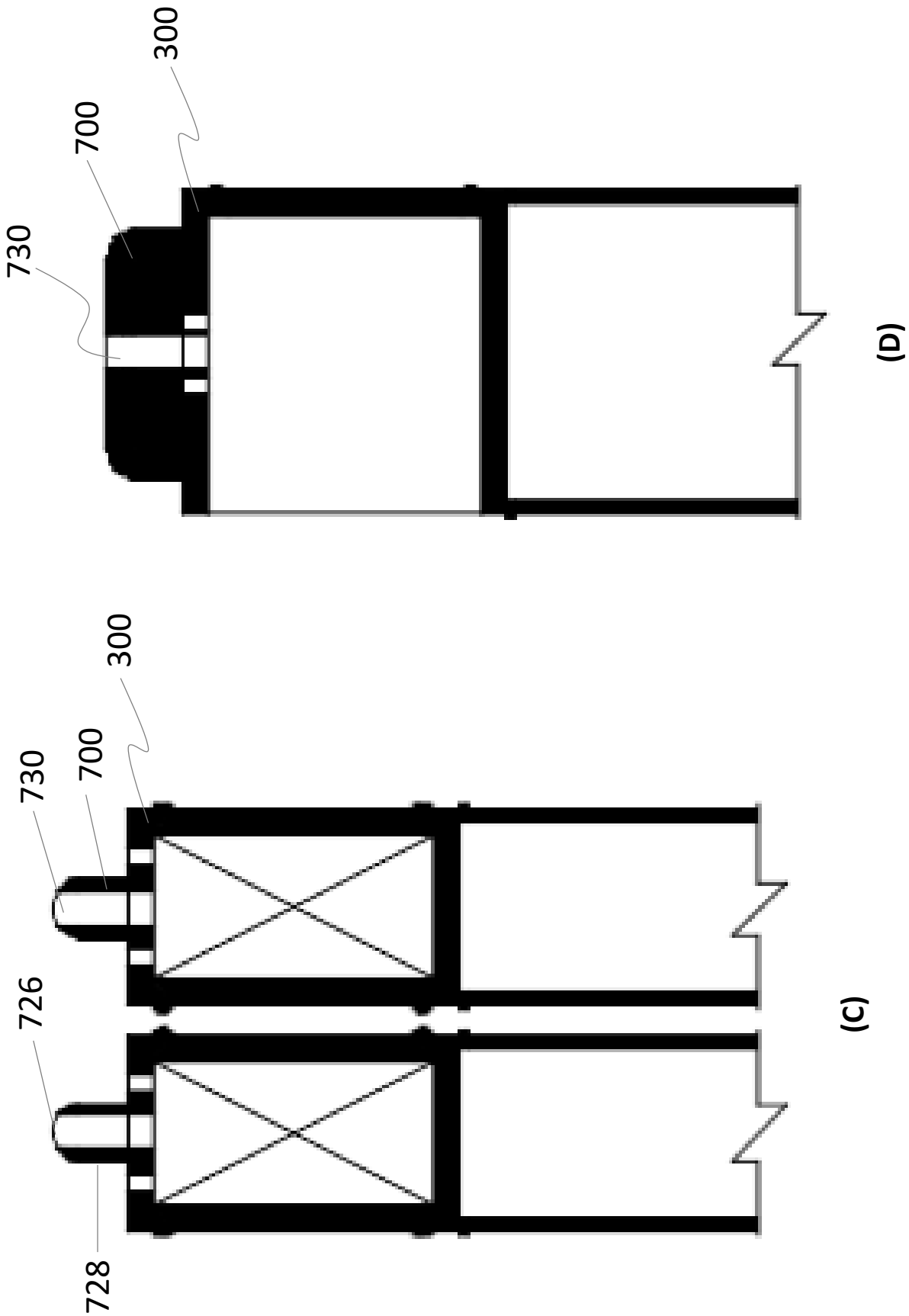


FIG. 8 (cont'd)

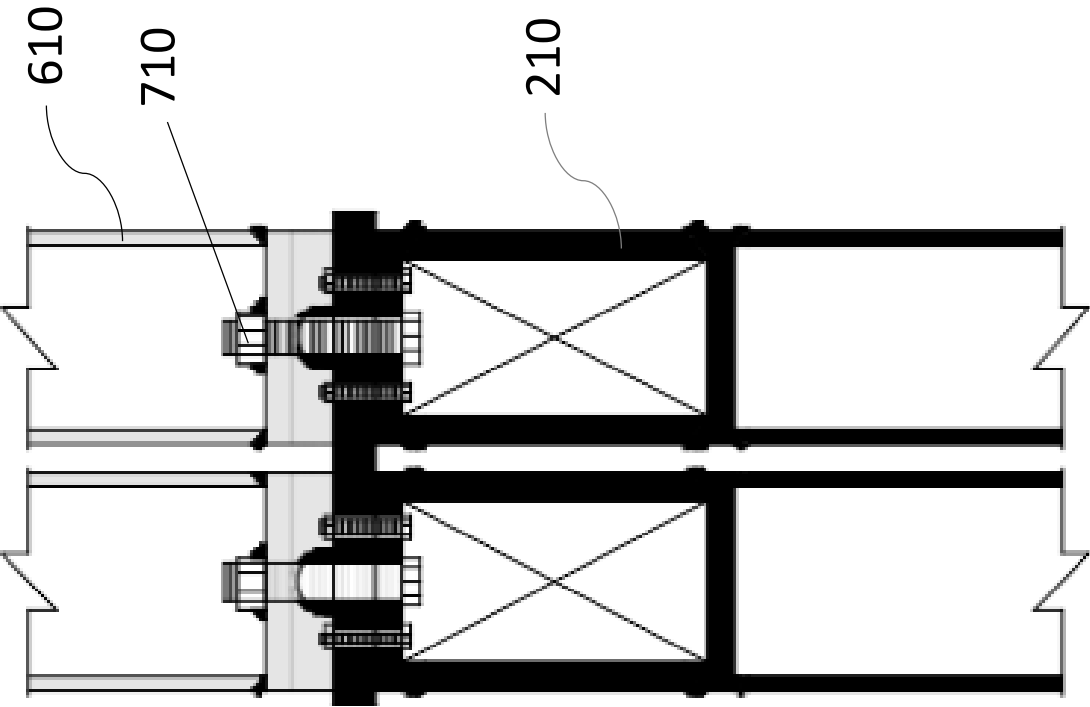
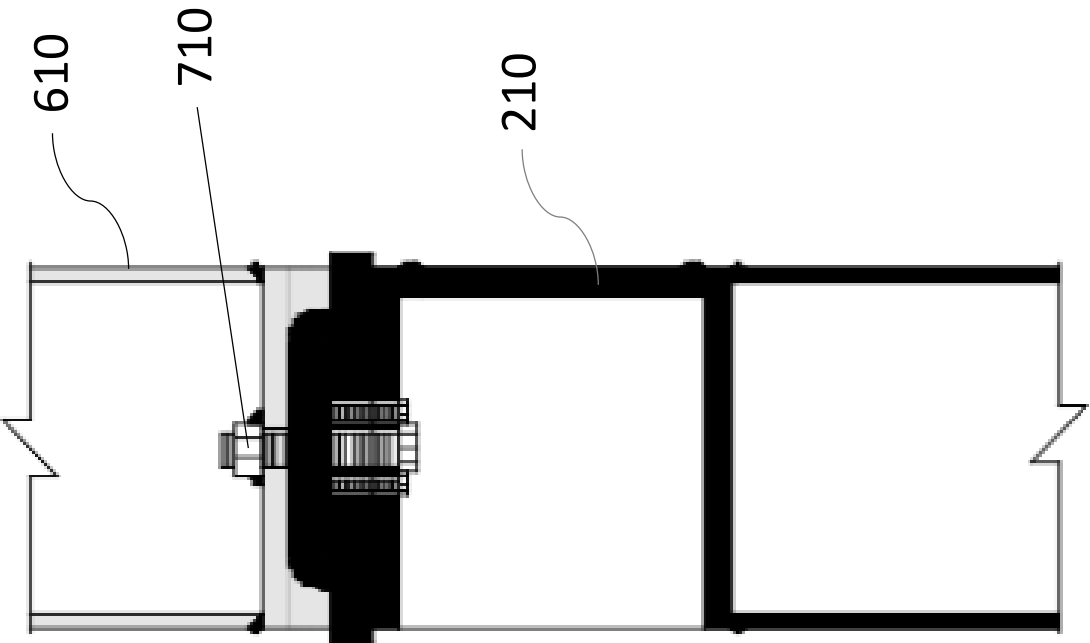
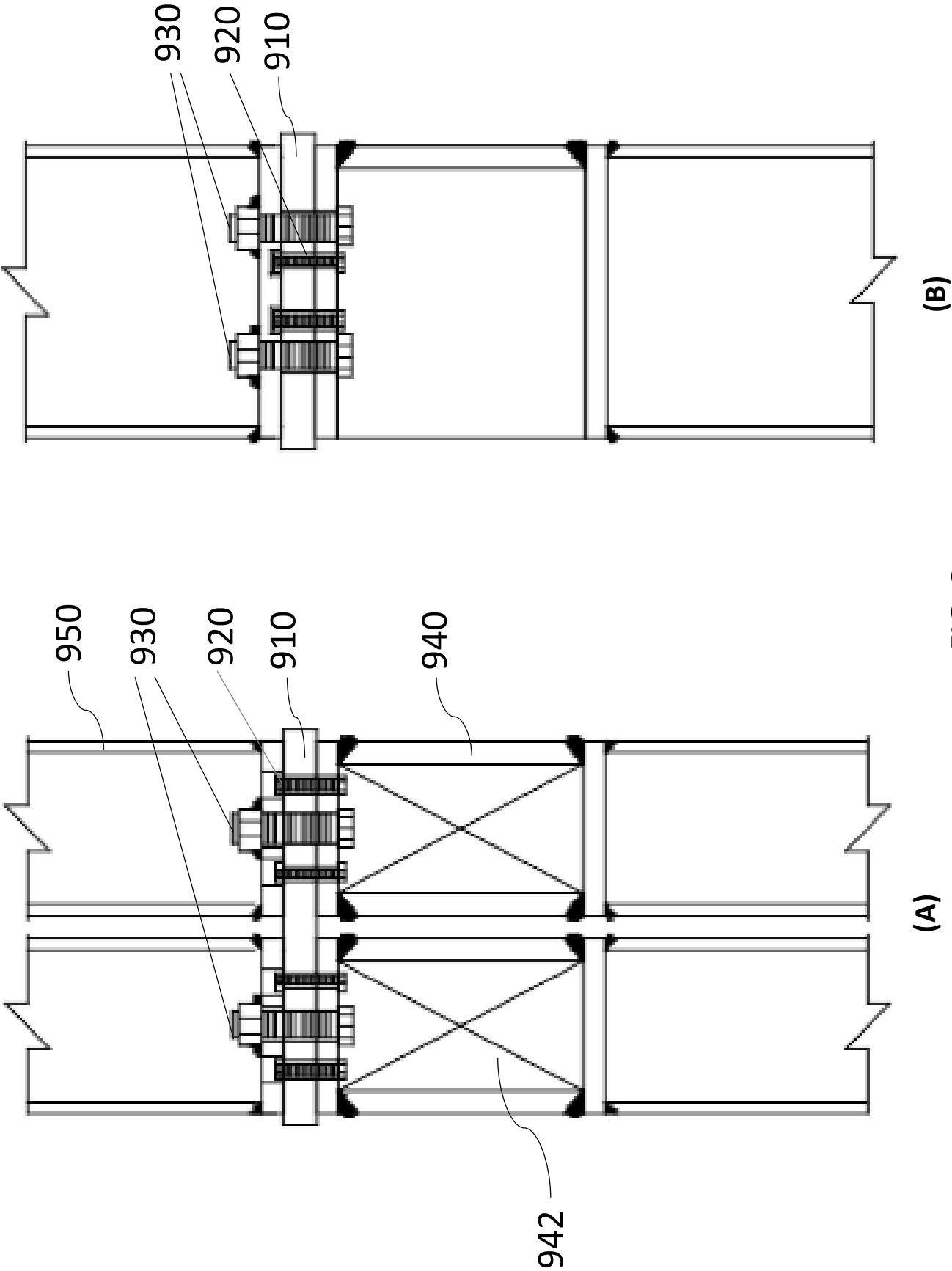
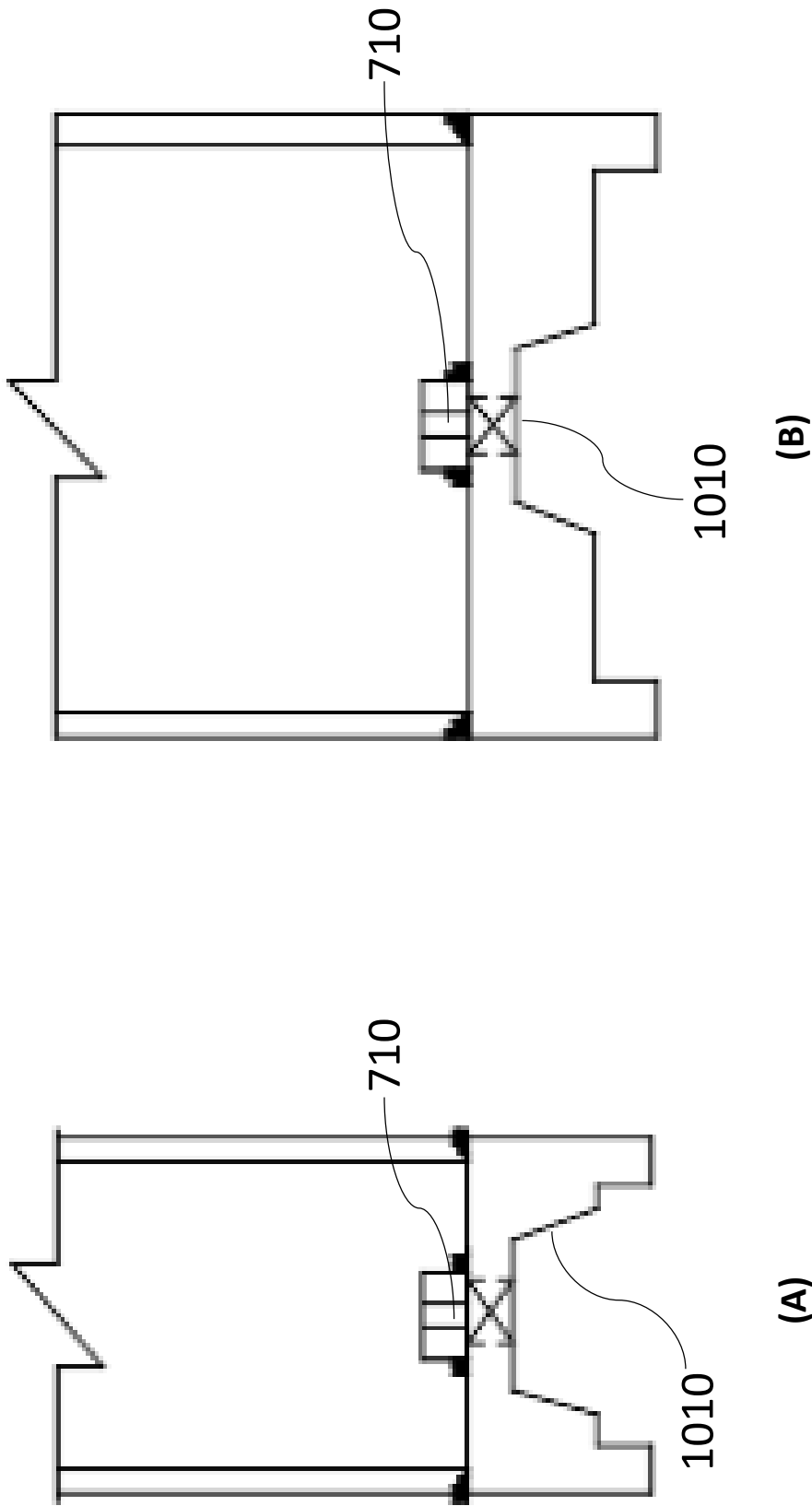


FIG. 8 (cont'd)





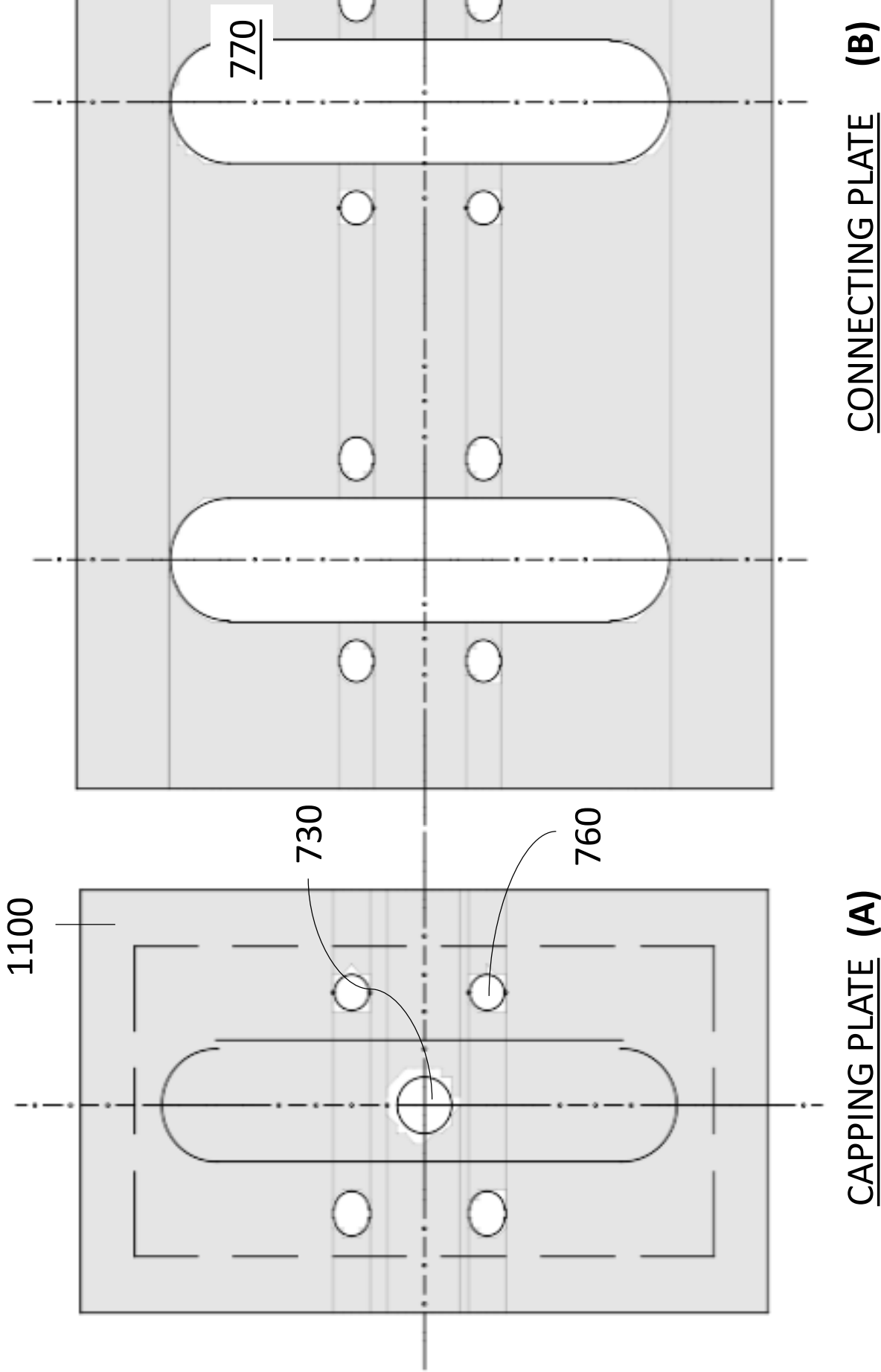
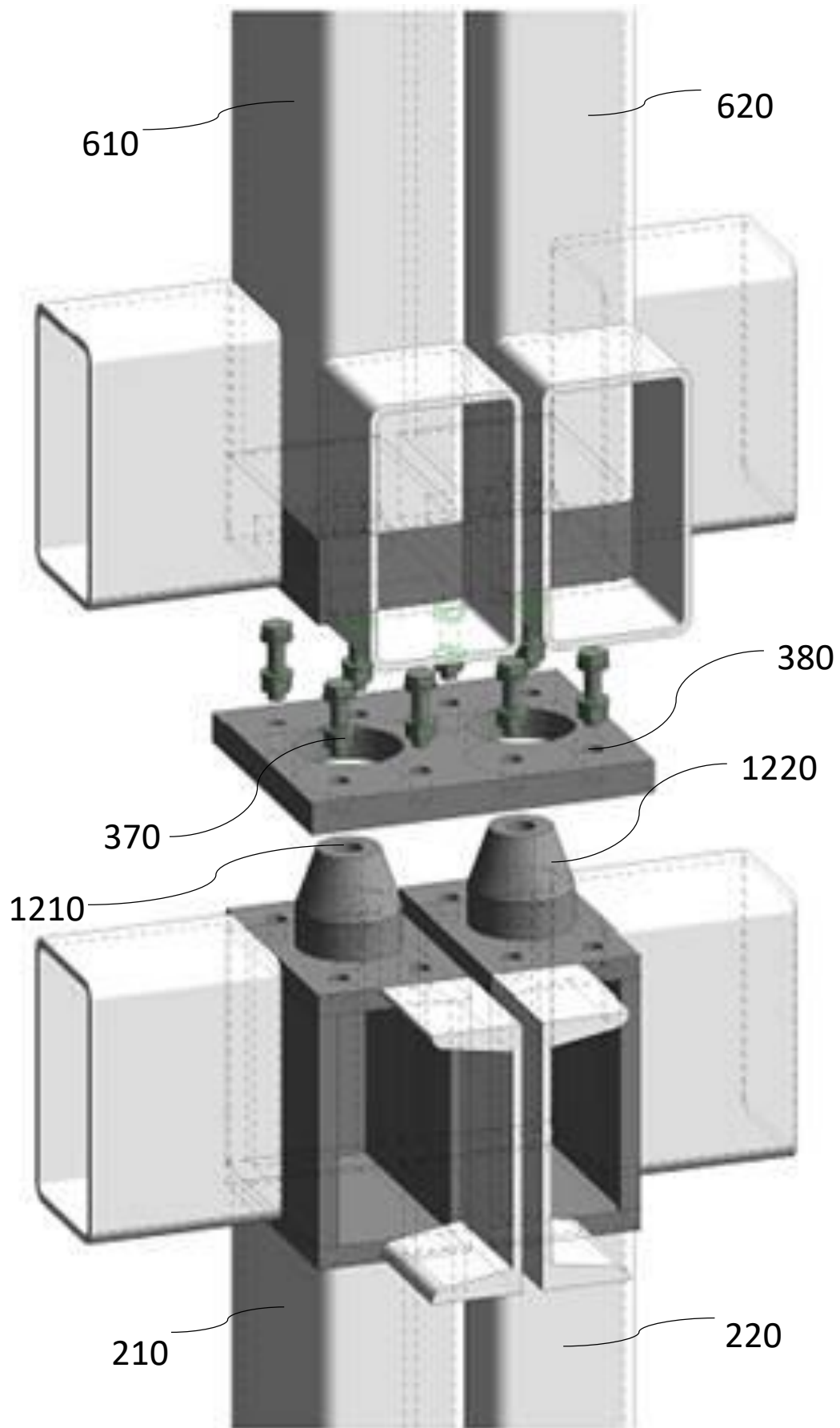


FIG. 11

**FIG. 12**

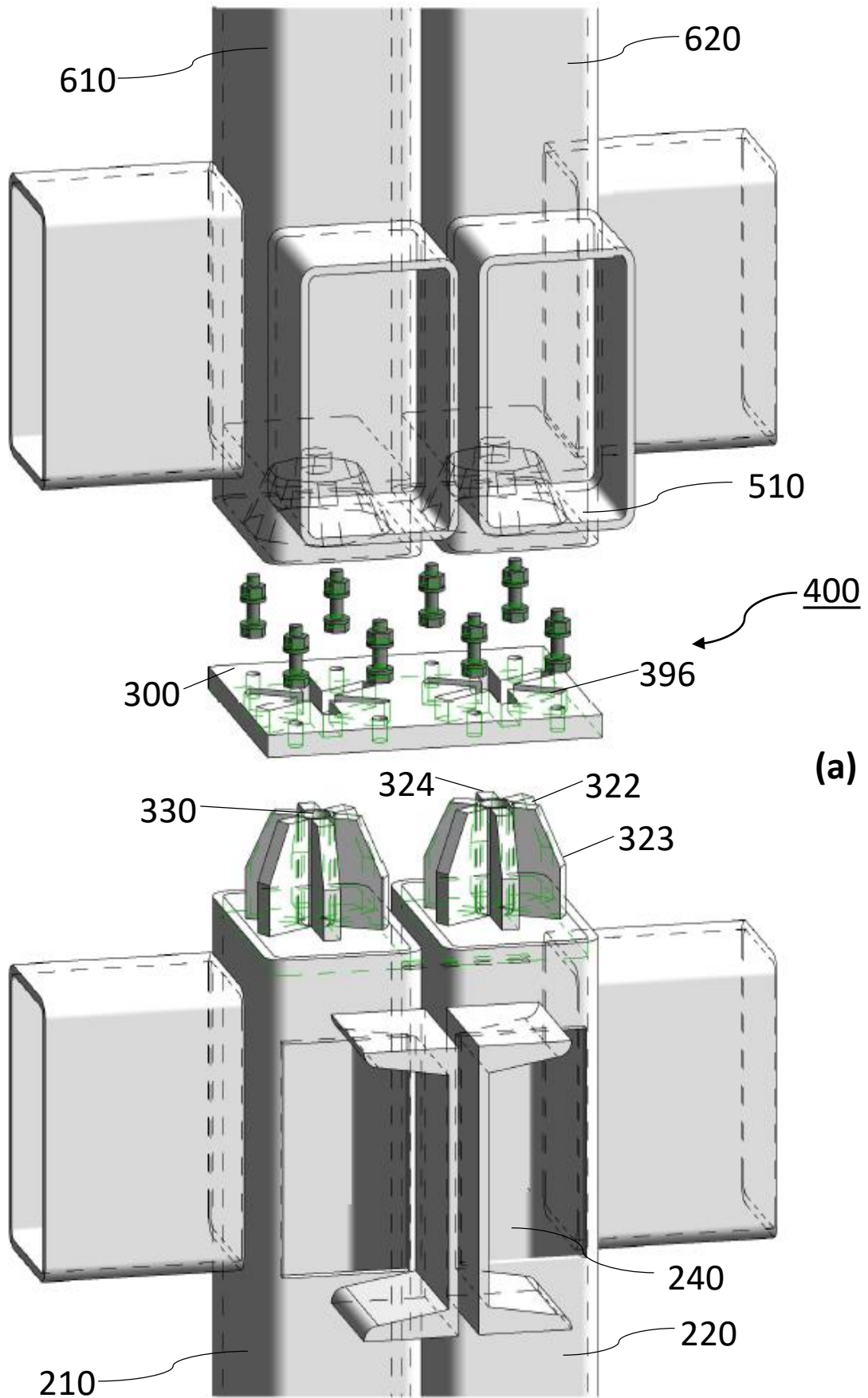
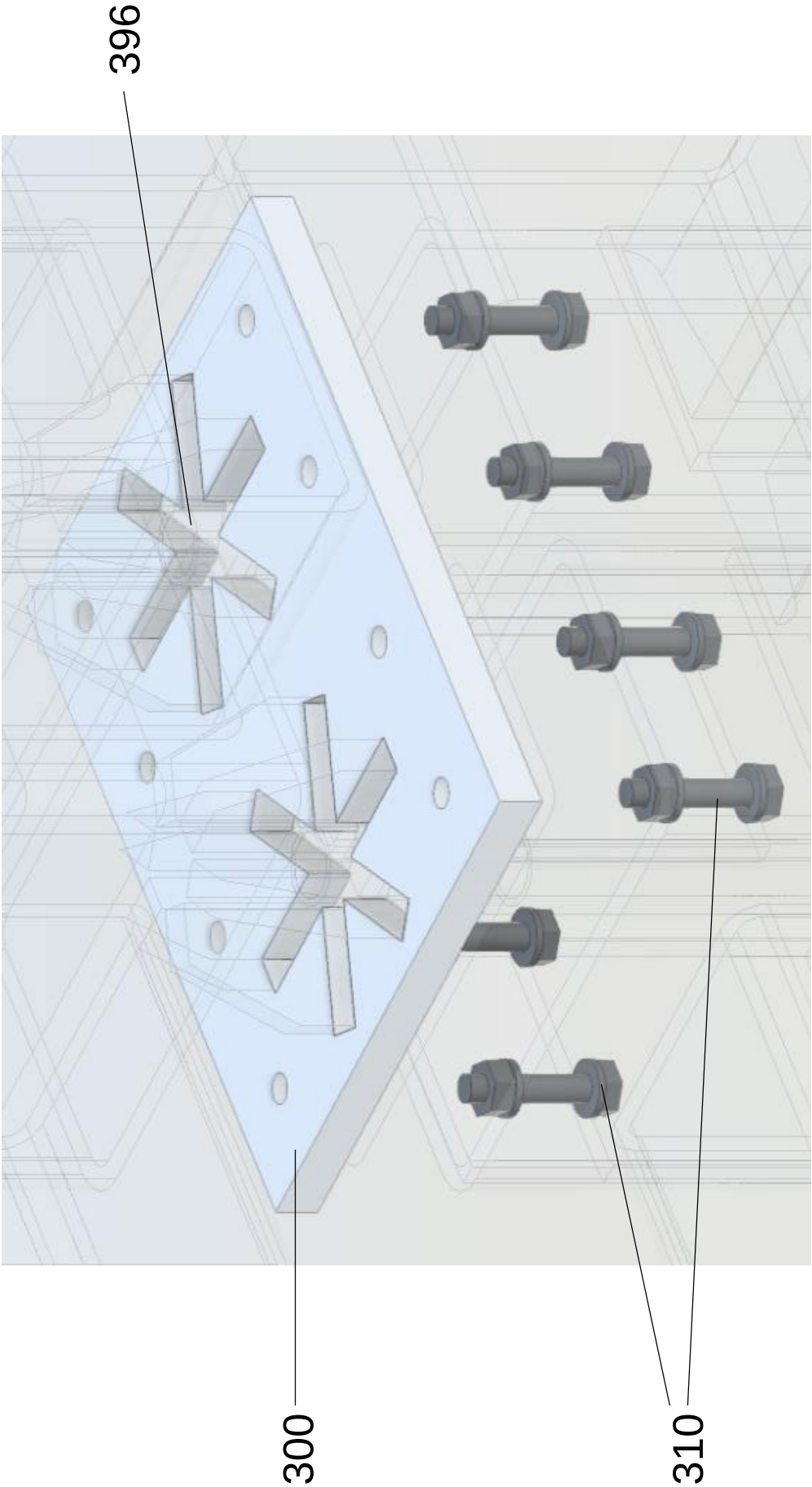
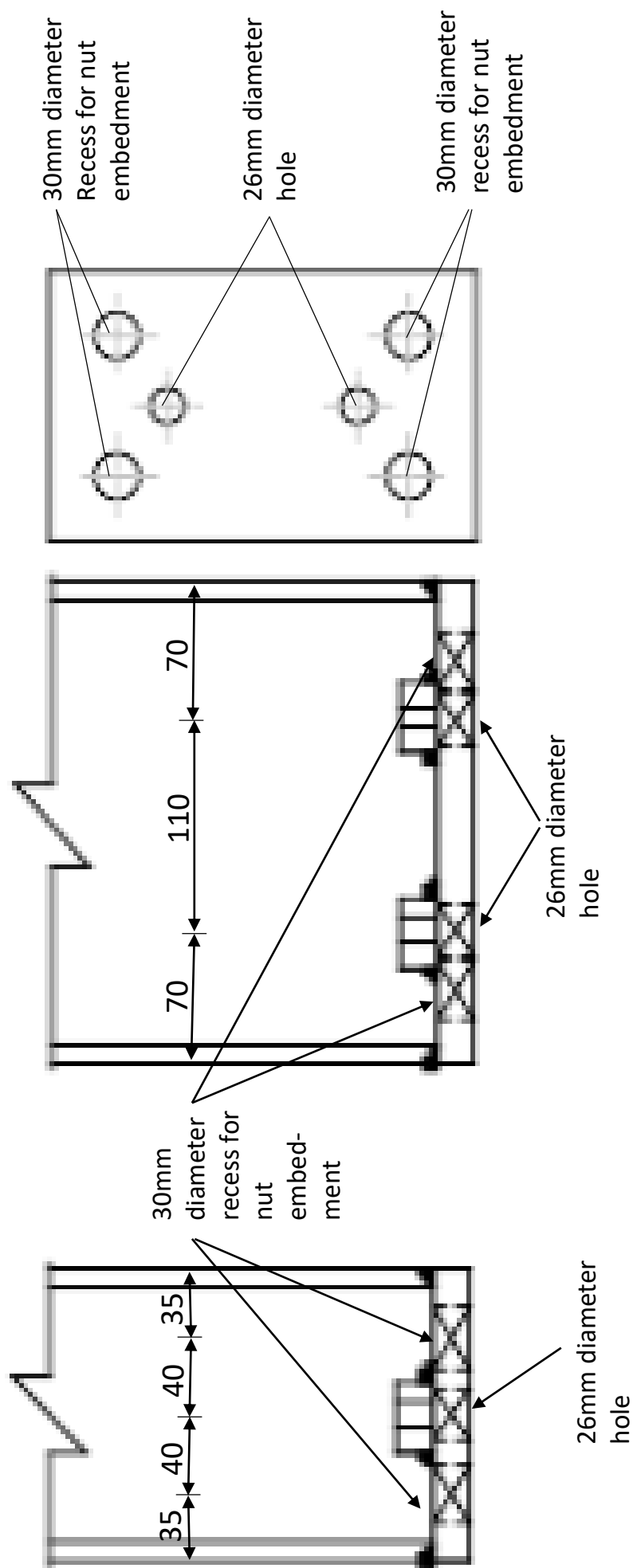


FIG. 13



(b)

FIG. 13



TYPE 2 COLUMN SPLICE BASE PLANE VIEW OF COLUMN END PLATE

FIG. 14 (cont'd)

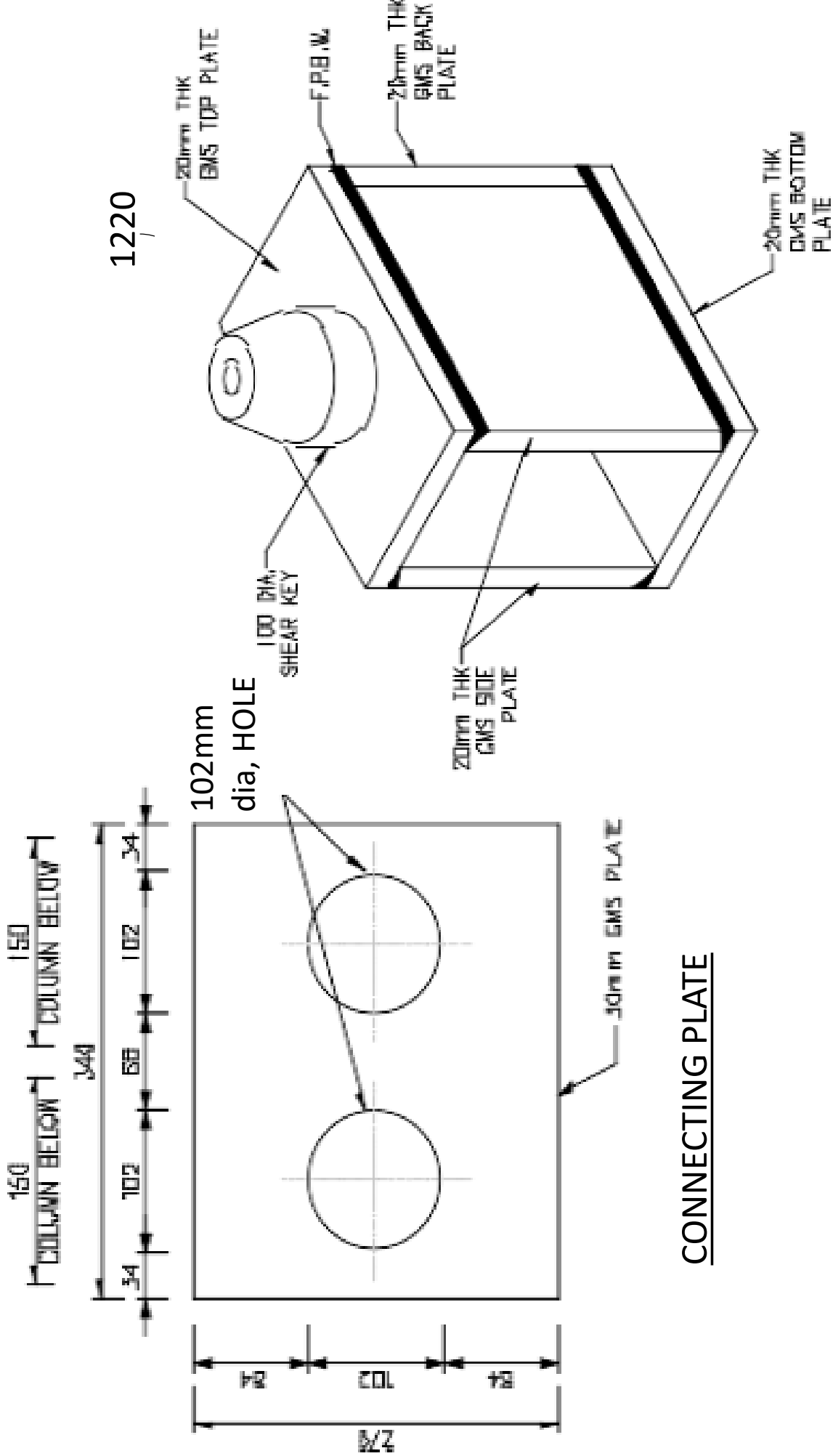
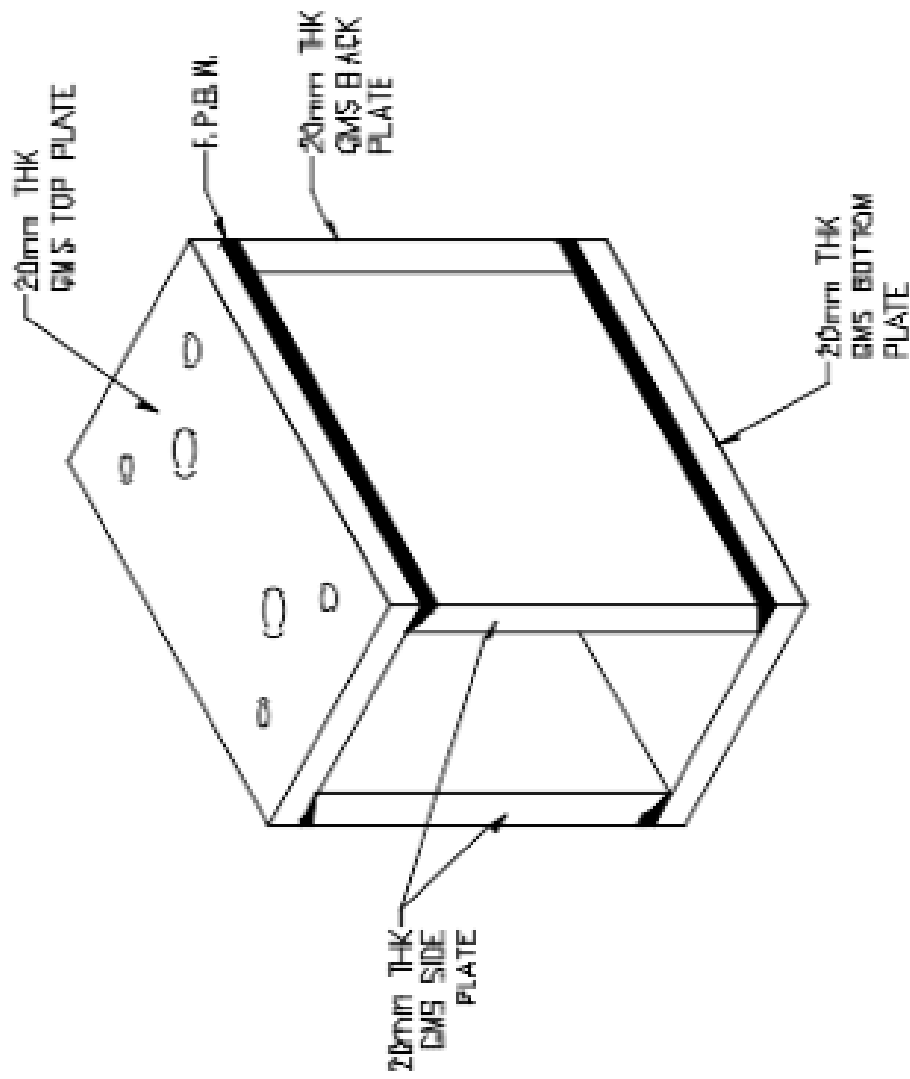


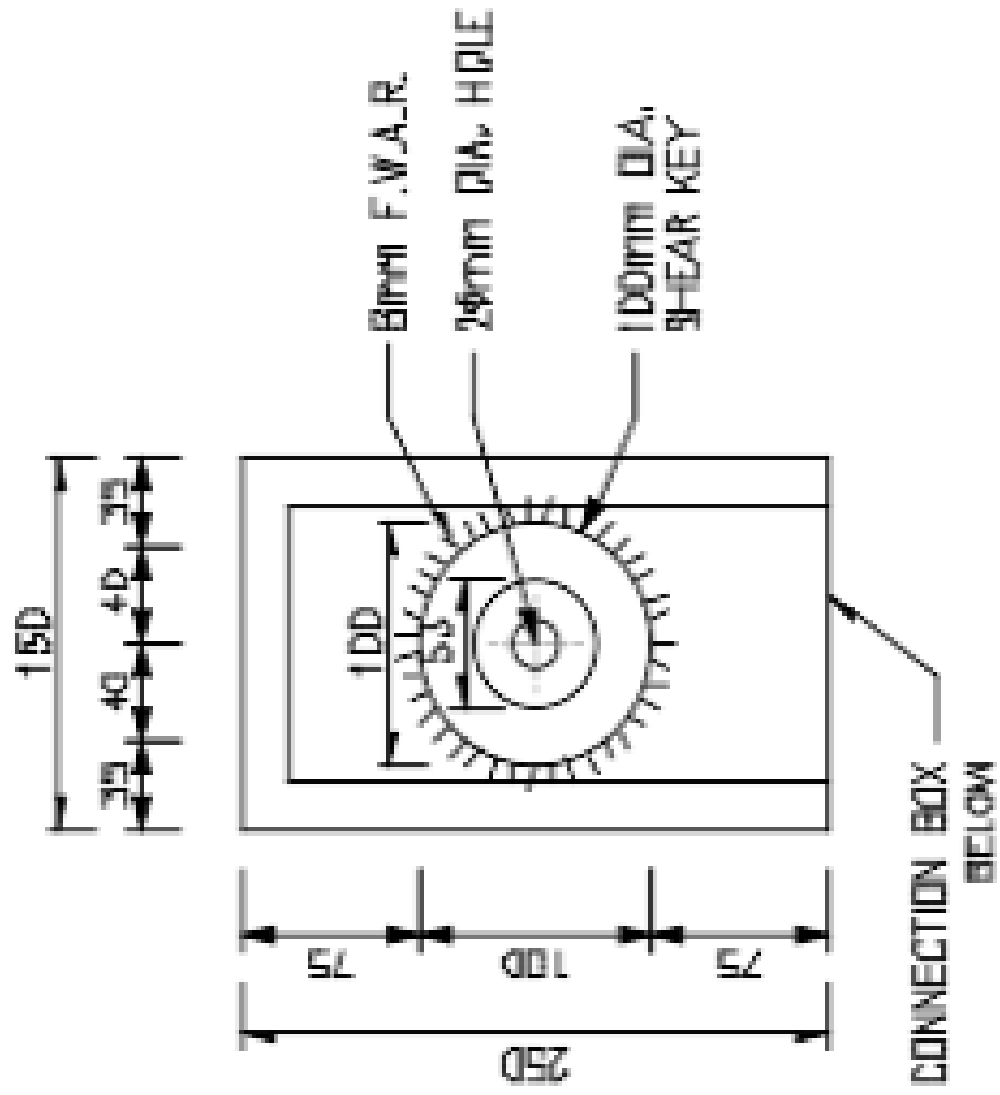
FIG. 14 (cont'd)

ISOMETRIC VIEW OF CONNECTION
BOX FOR TYPE 1 COLUMN SPLICE



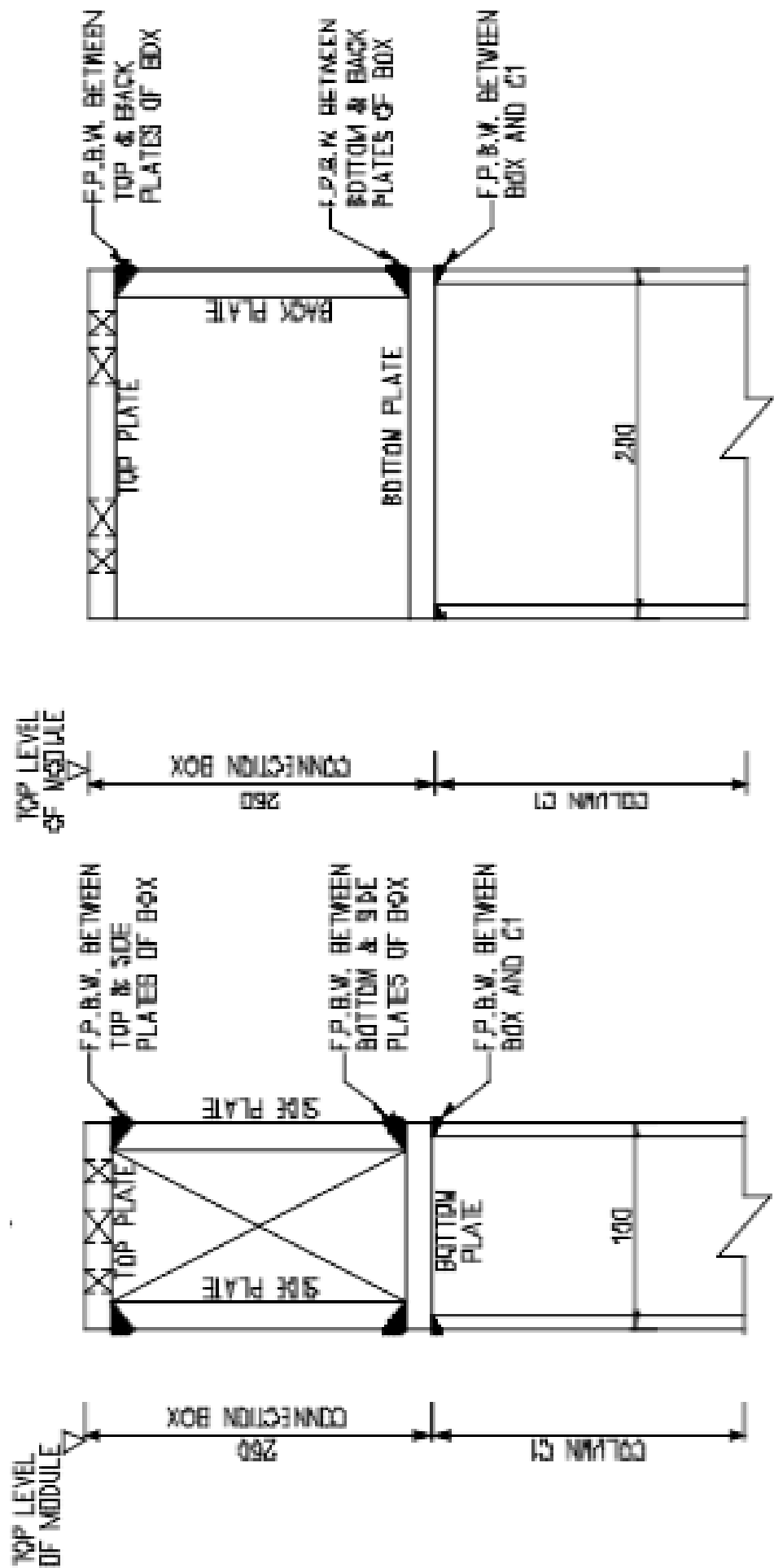
ISOMETRIC VIEW OF CONNECTION
BOX FOR TYPE 2 COLUMN SPLICE

FIG. 14 (cont'd)



TOP VIEW OF
CONNECTION
BOX
TOP PLATE

FIG. 14 (cont'd)



TYPE 2 COLUMN SPLICE

FIG. 14 (cont'd)

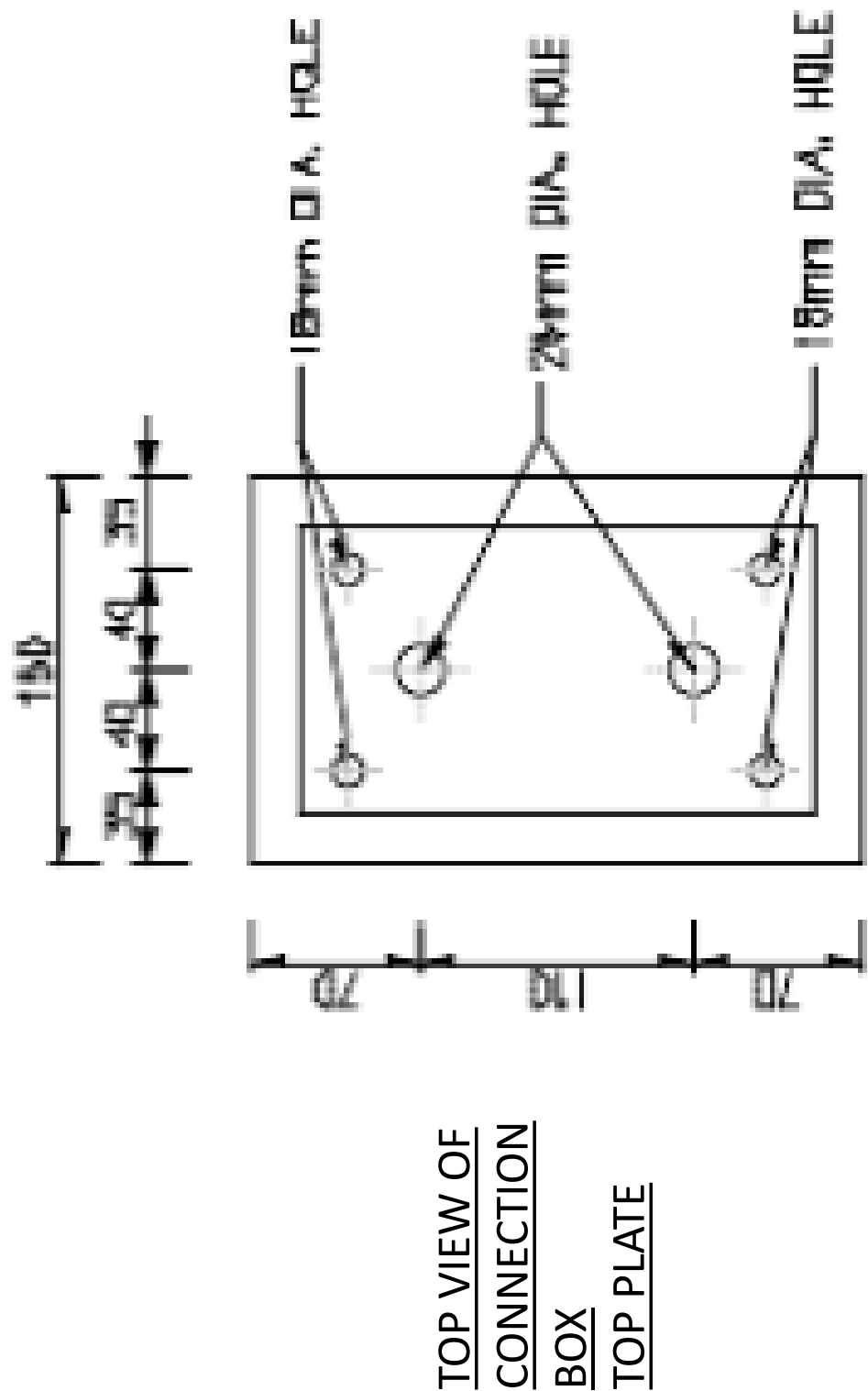
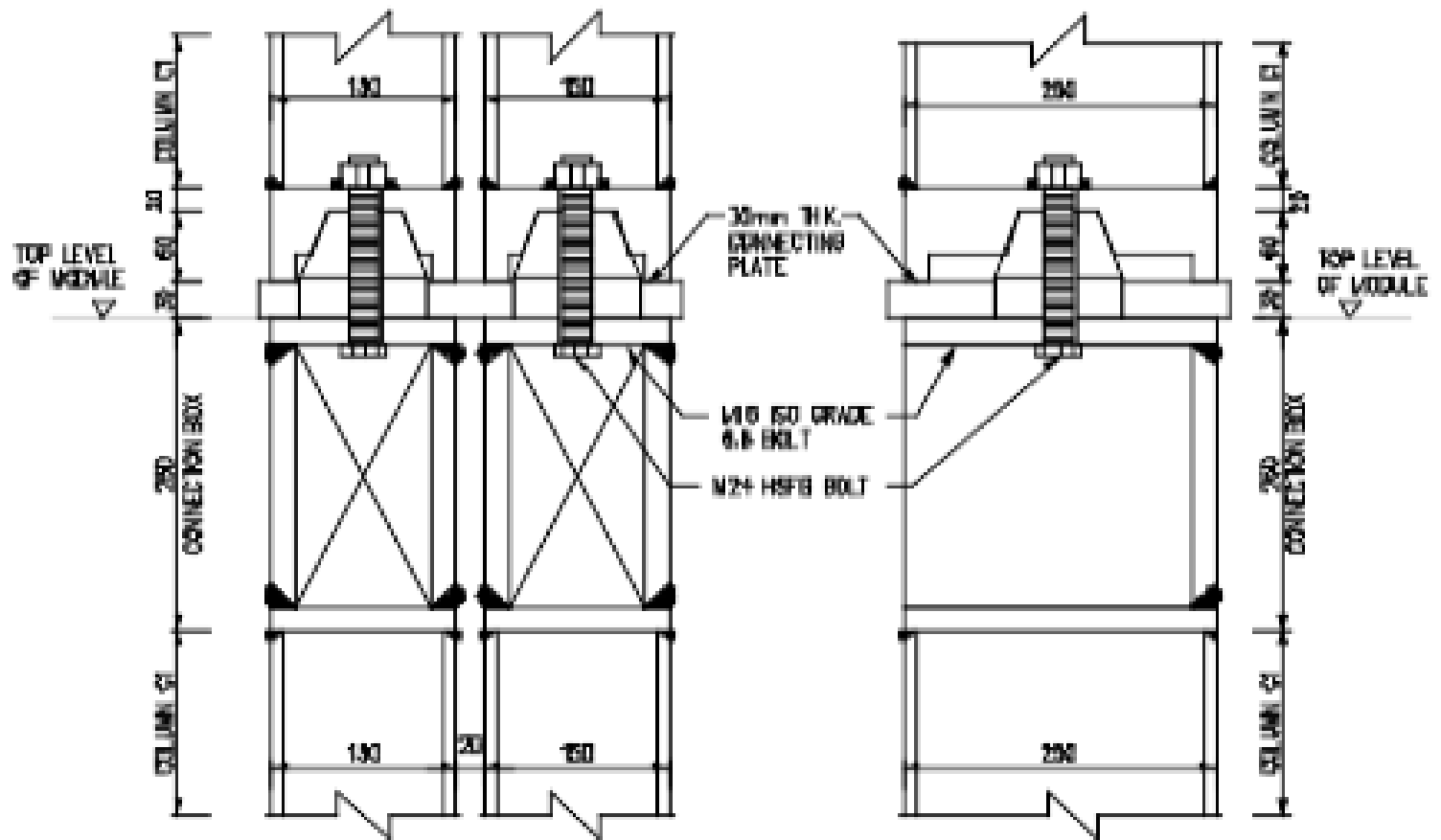
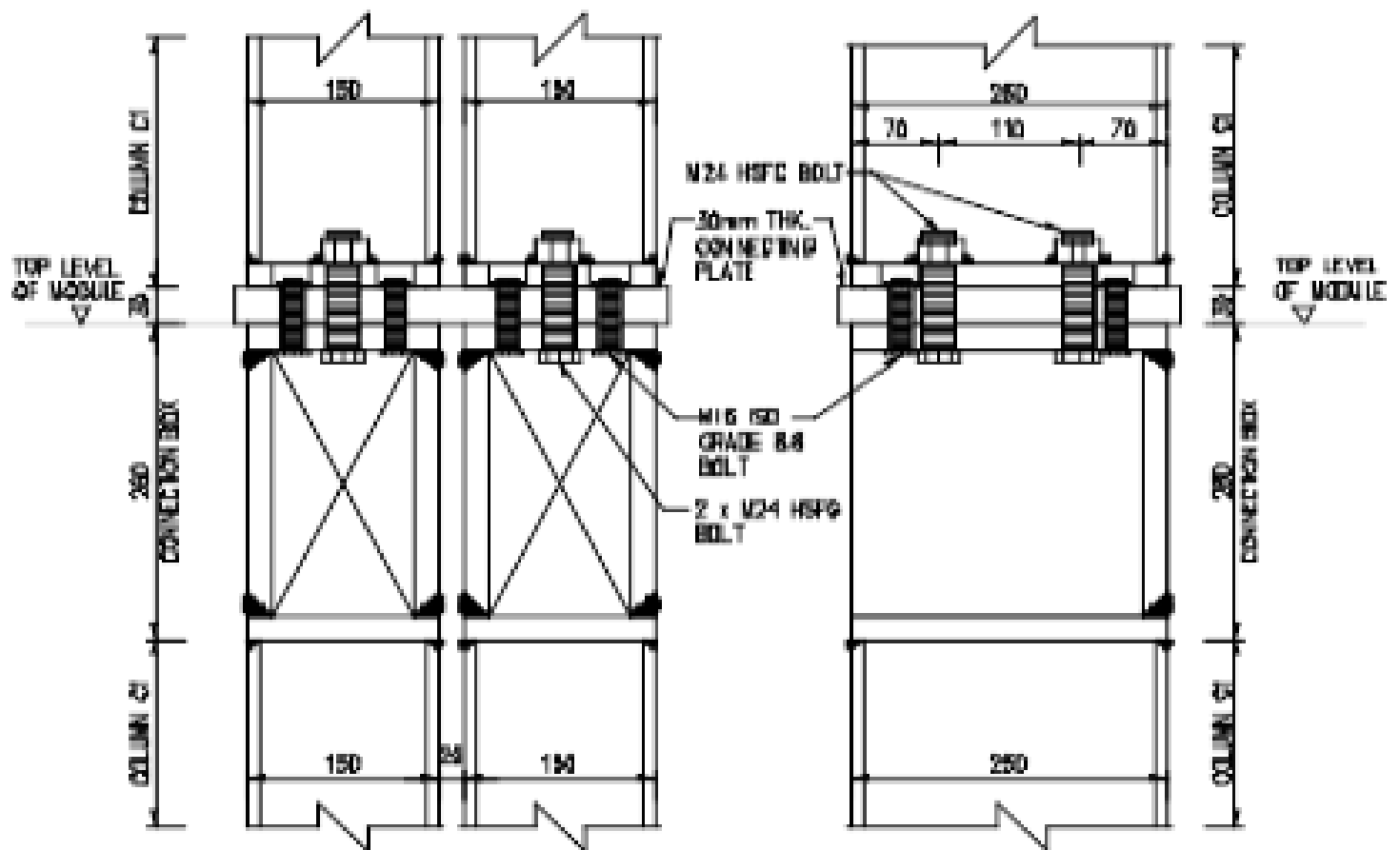


FIG. 14 (cont'd)

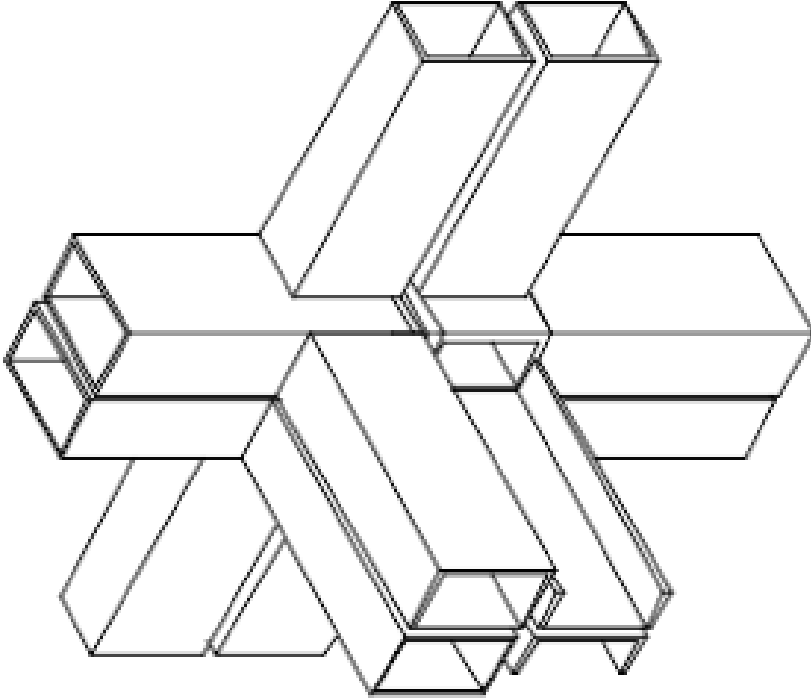


TYPE 1 COLUMN SPLICE

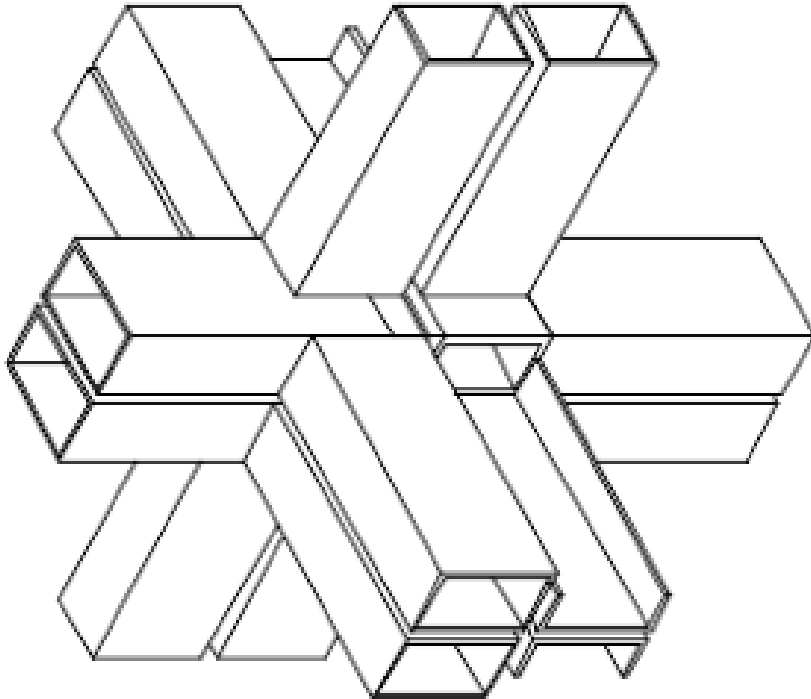


TYPE 2 COLUMN SPLICE

FIG. 15

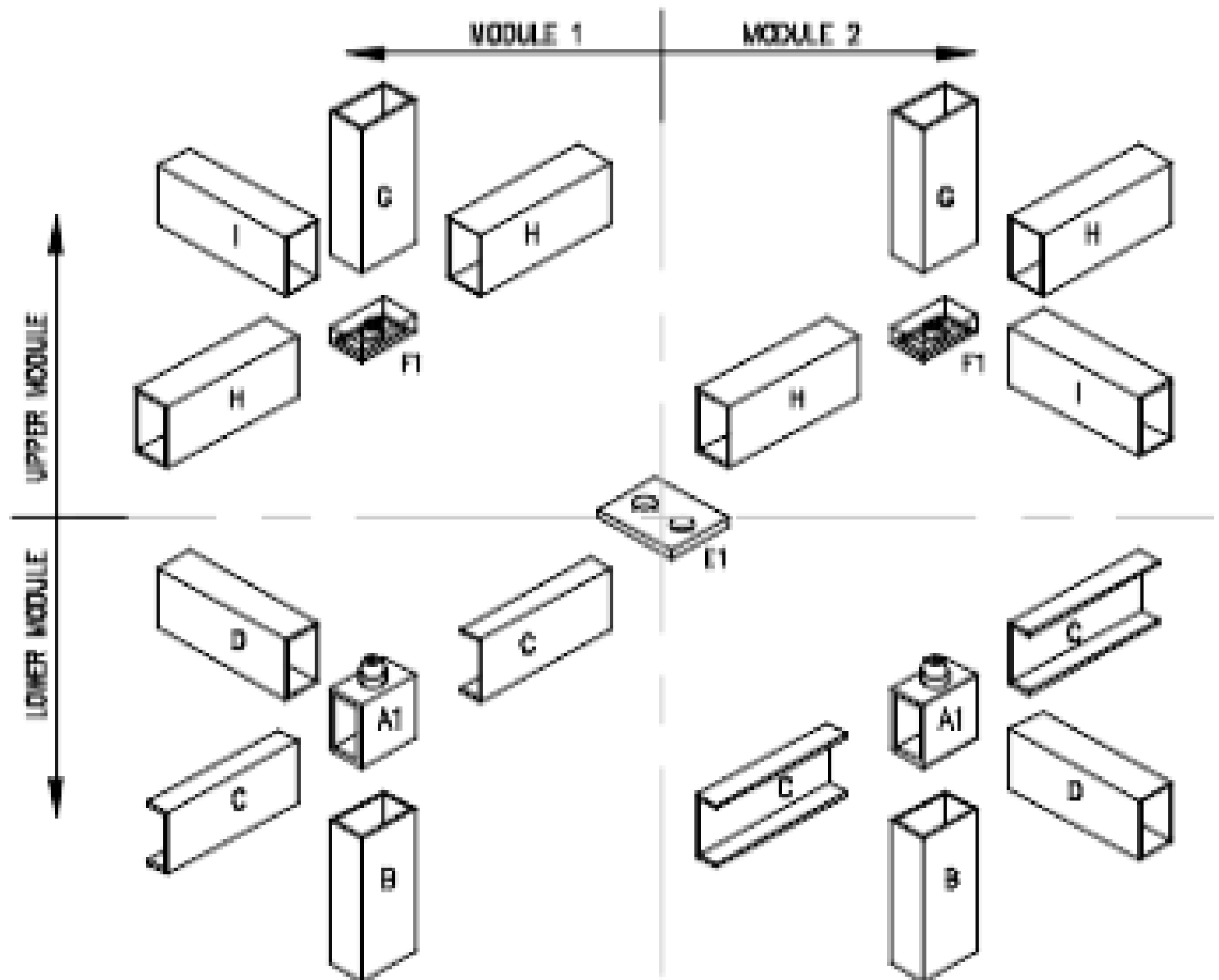


ISOMETRIC VIEW OF
TYPE 2 COLUMN SPLICE JOINT



ISOMETRIC VIEW OF
TYPE 1 COLUMN SPLICE JOINT

FIG. 15 (Cont'd)

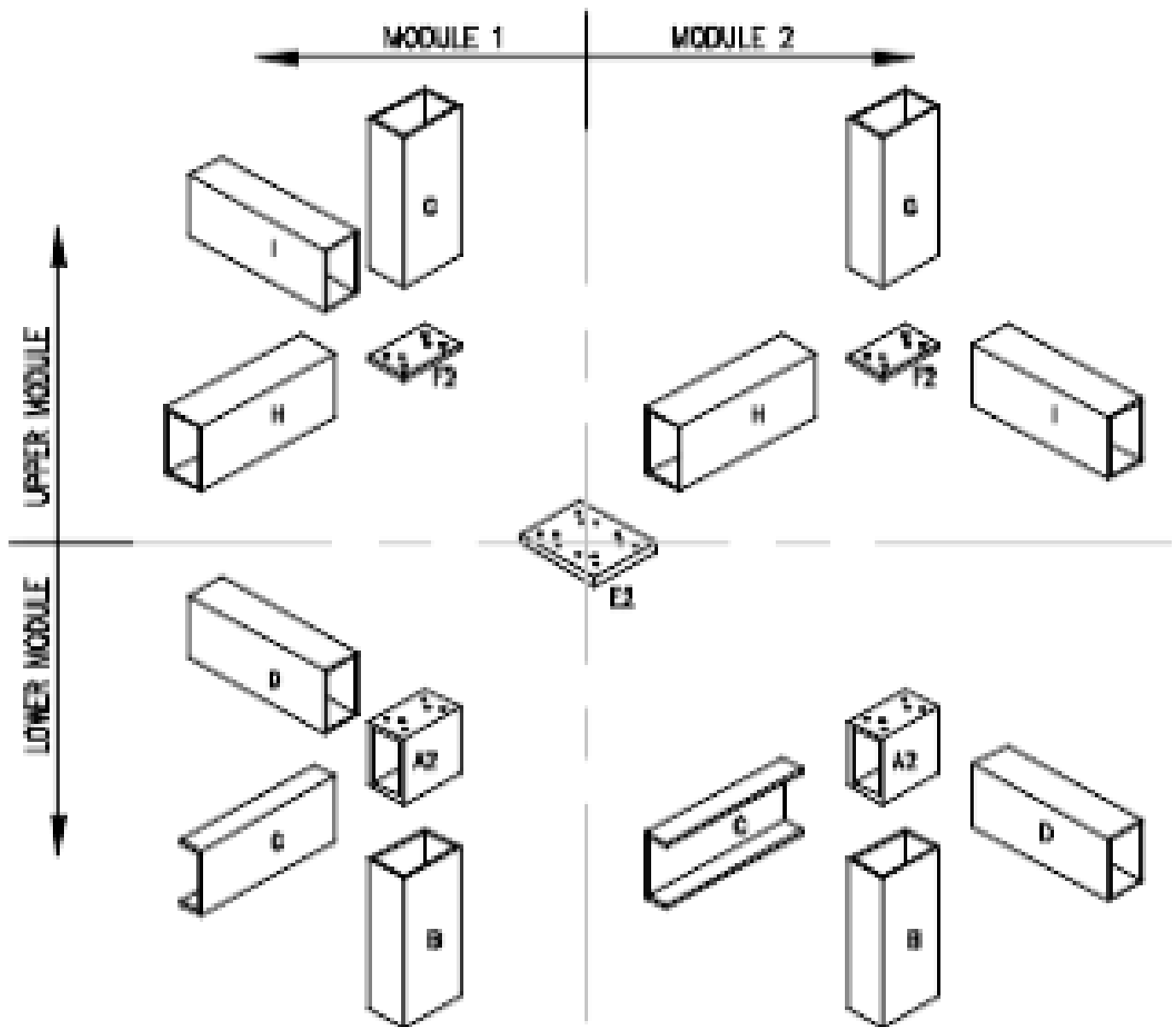


EXPLODED VIEW OF TYPE 1 COLUMN SPLICE JOINT

MODULE COMPONENTS:

- A1** – CONNECTION BOX WITH SHEAR KEY
- B** – COLUMN OF LOWER MODULE
- C** – LONG-SPAN CEILING BEAM
- D** – SHORT-SPAN CEILING BEAM
- E1** – CONNECTING PLATE FOR TYPE 1 SPLICE JOINT
- F1** – SHEAR KEY CAPPING PLATE FOR TYPE 1 SPLICE JOINT
- G** – COLUMN OF UPPER MODULE
- H** – LONG-SPAN FLOOR BEAM
- I** – SHORT-SPAN FLOOR BEAM

FIG. 15 (Cont'd)

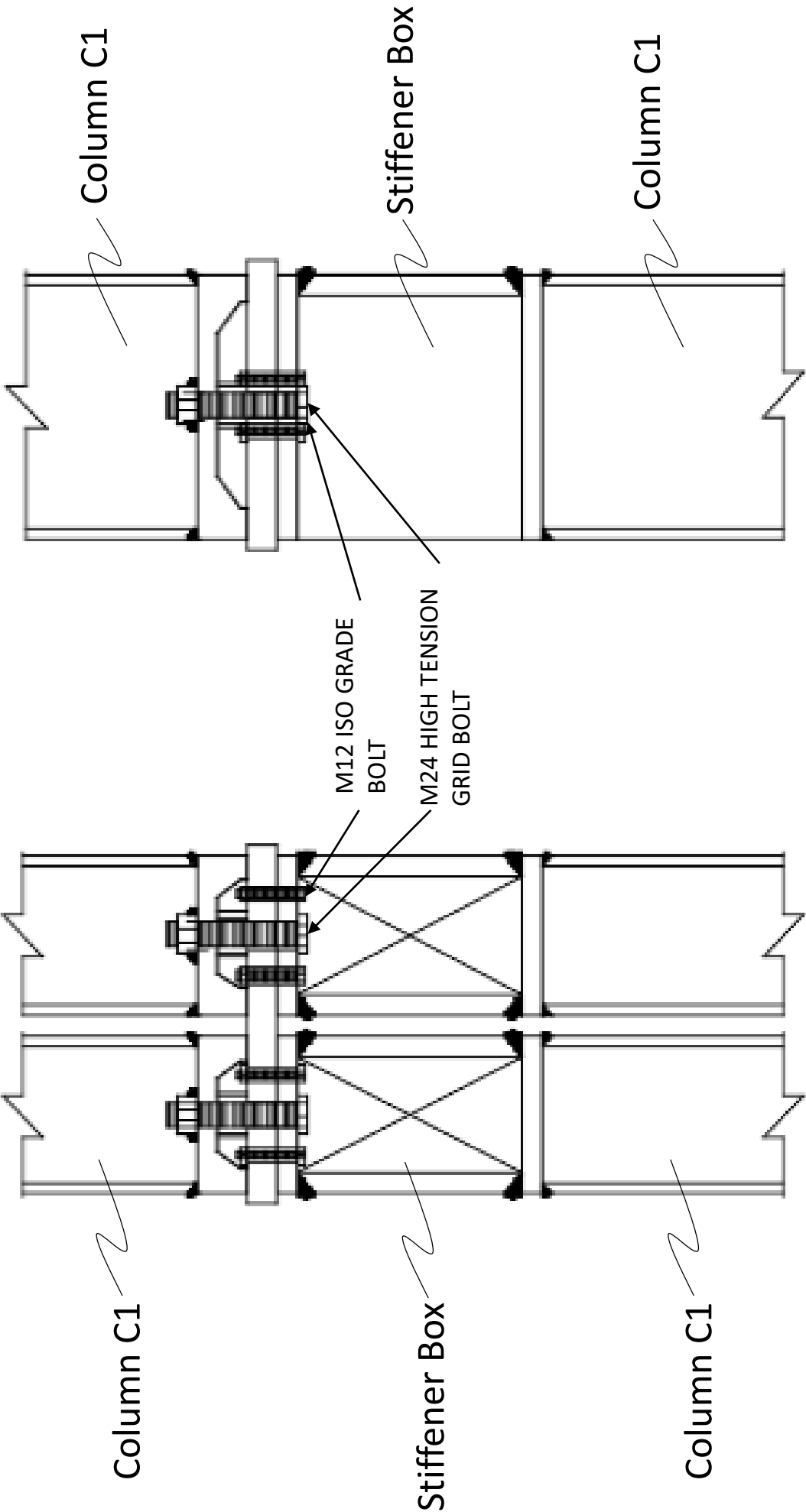


EXPLODED VIEW OF TYPE 2 COLUMN SPLICE JOINT

MODULE COMPONENTS:

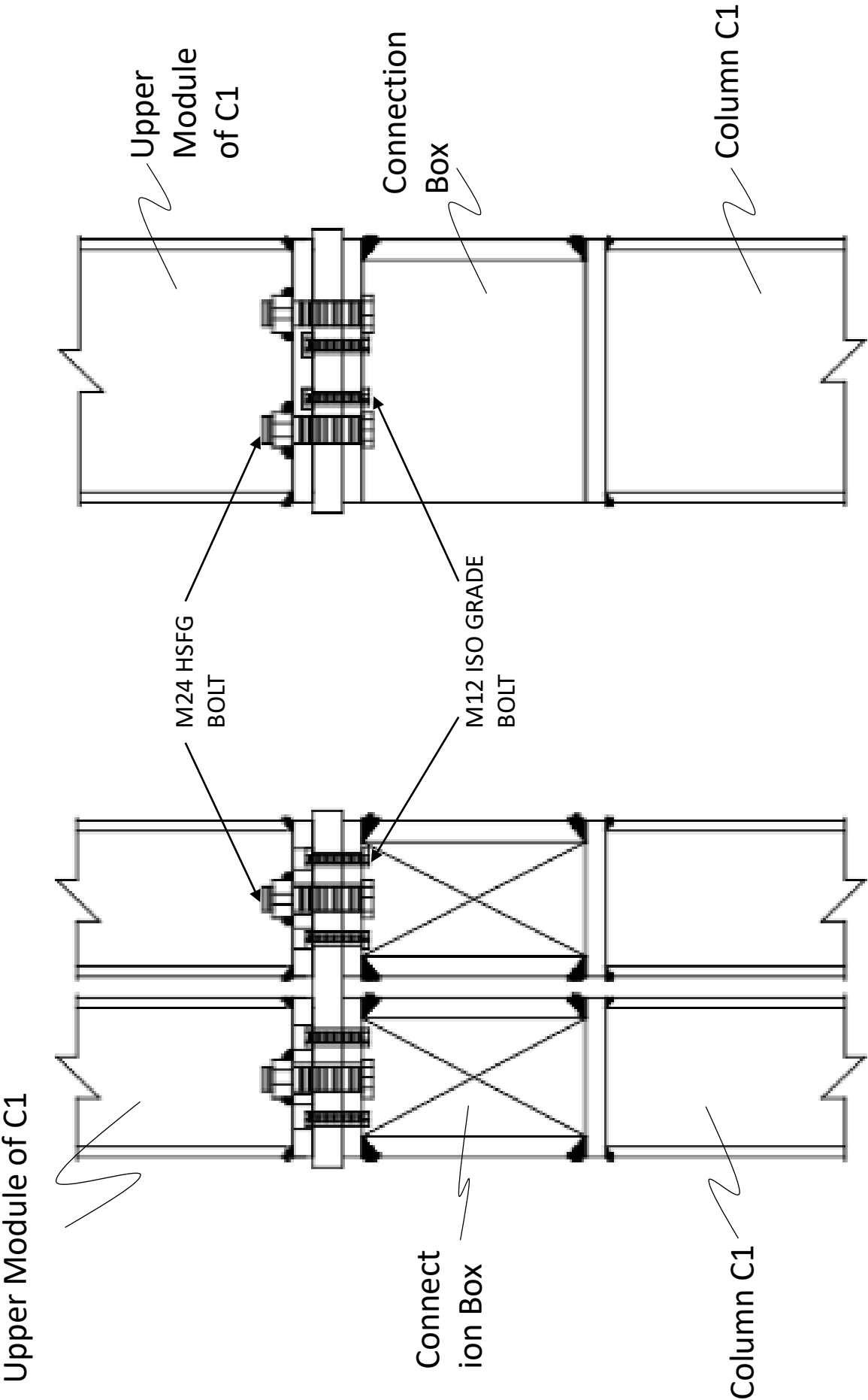
- A2 - CONNECTION BOX
- B - COLUMN OF LOWER MODULE
- C - LONG-SPAN CEILING BEAM
- D - SHORT-SPAN CEILING BEAM
- E2 - CONNECTING PLATE FOR TYPE 2 SPLICE JOINT
- F2 - COLUMN END PLATE FOR TYPE 2 SPLICE JOINT
- G - COLUMN OF UPPER MODULE
- H - LONG-SPAN FLOOR BEAM
- I - SHORT-SPAN FLOOR BEAM

FIG. 15 (Cont'd)



TYPE 1 COLUMN JOINT

FIG. 16



TYPE 2 COLUMN JOINT

FIG. 16 (cont'd)

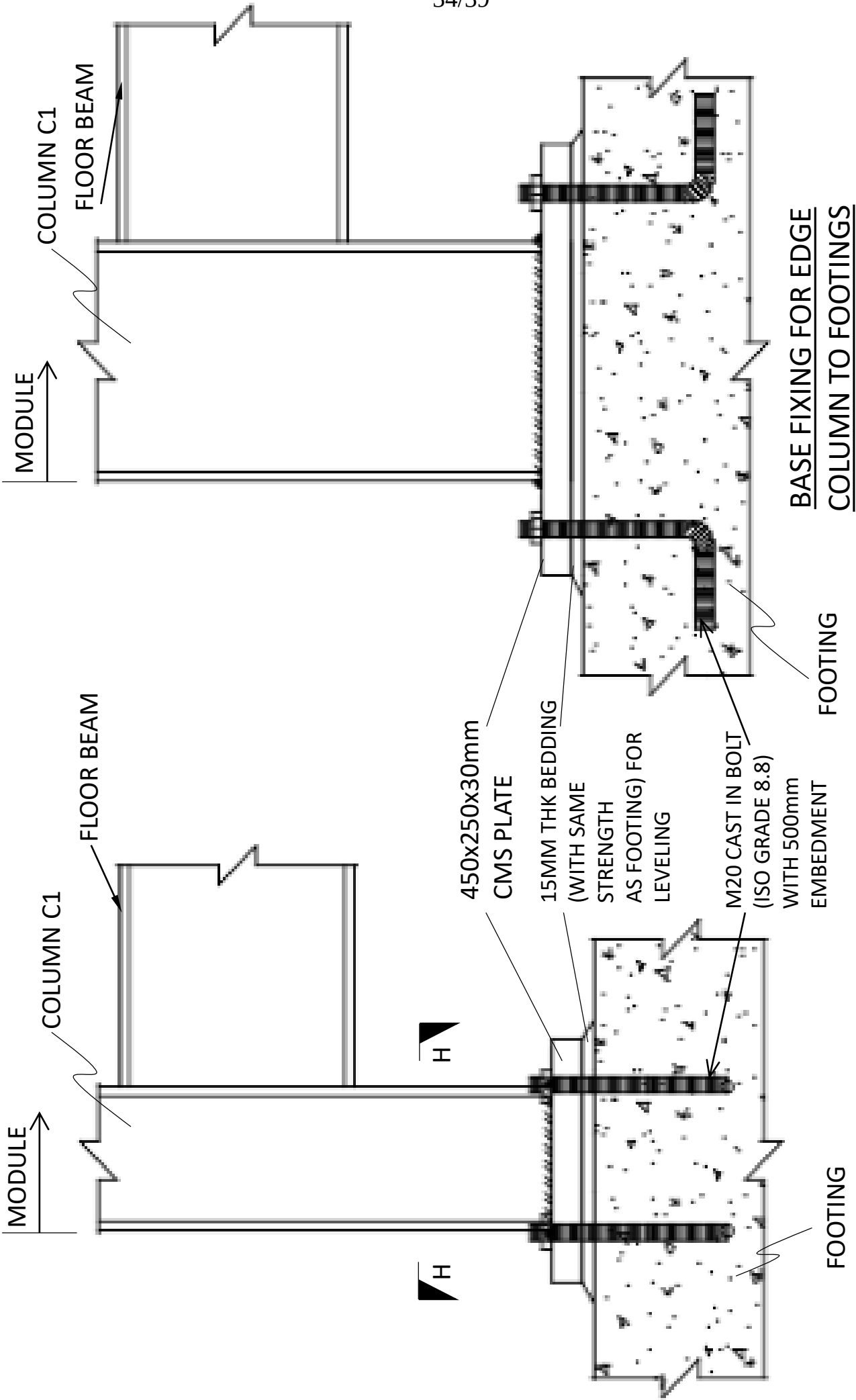


FIG. 16 (cont'd)

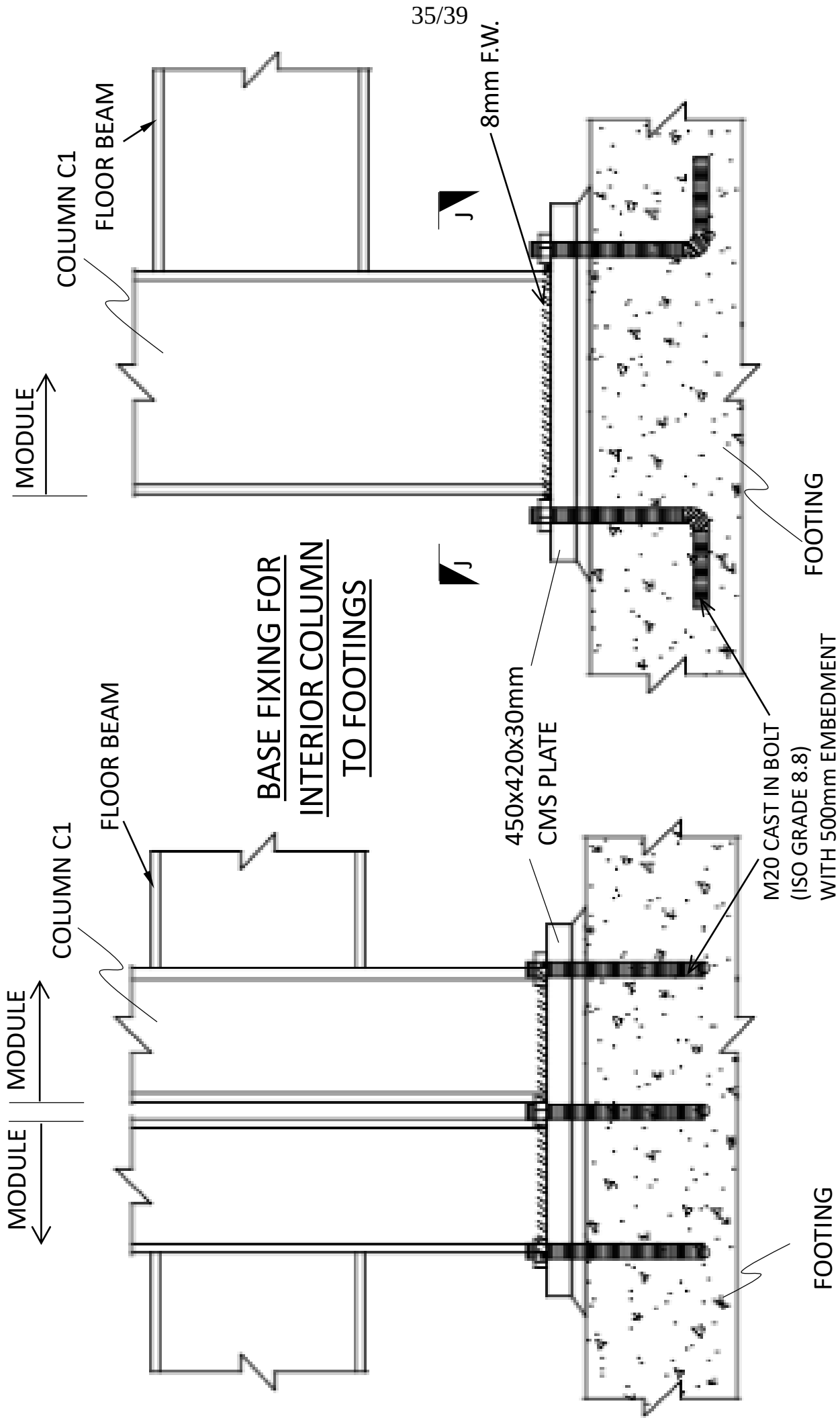


FIG. 16 (cont'd)

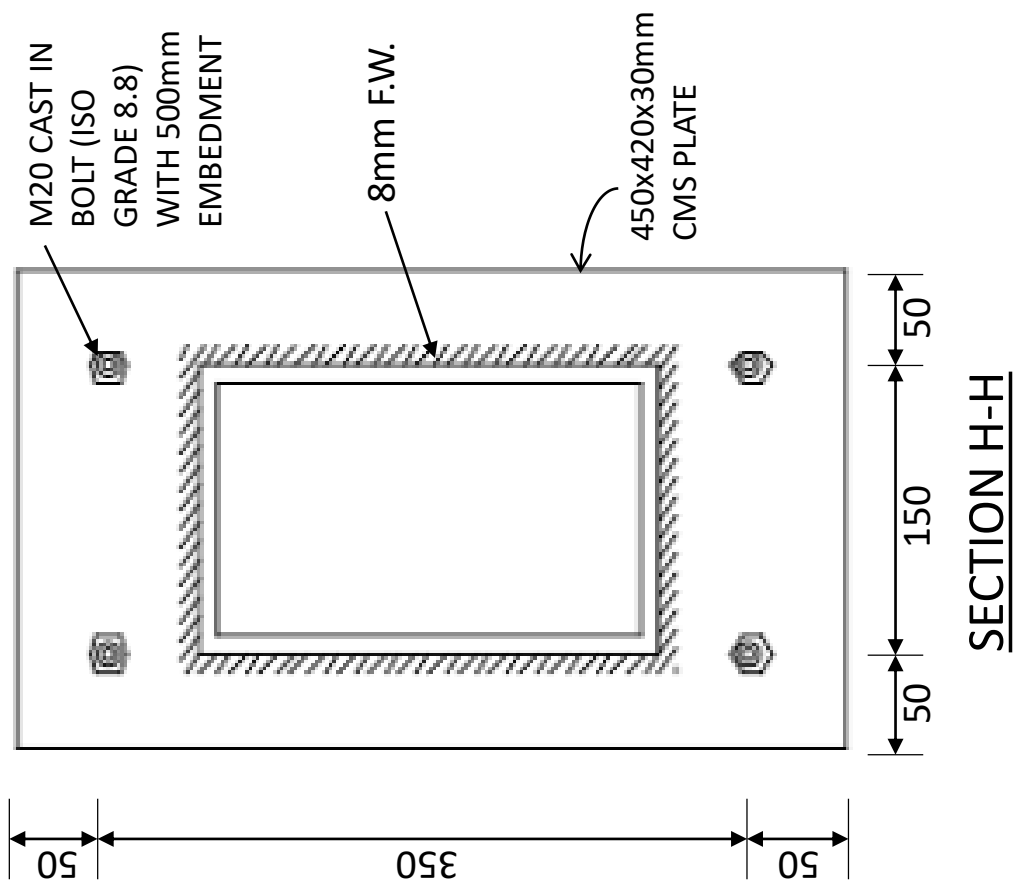


FIG. 16 (cont'd)

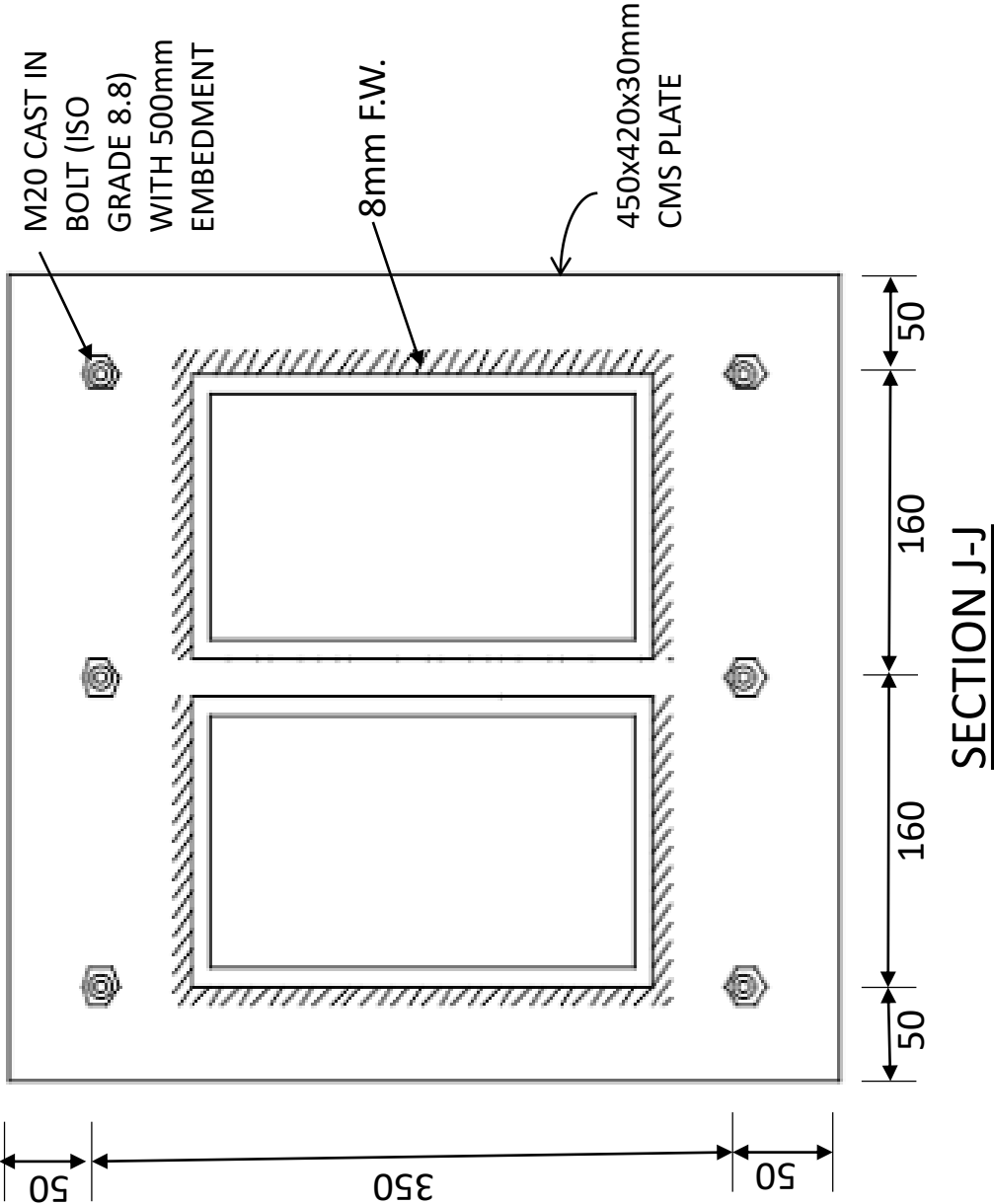


FIG. 16 (cont'd)

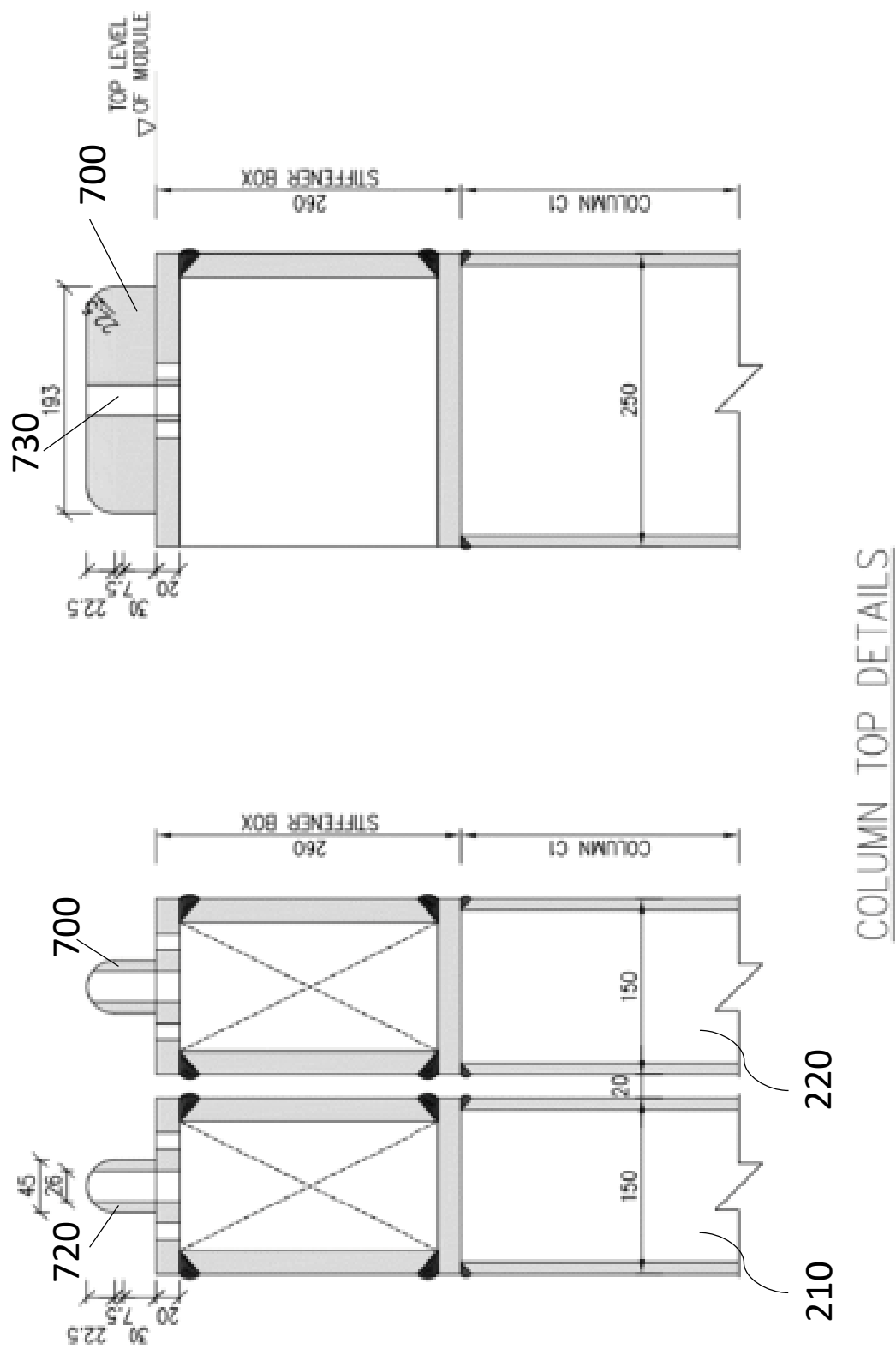
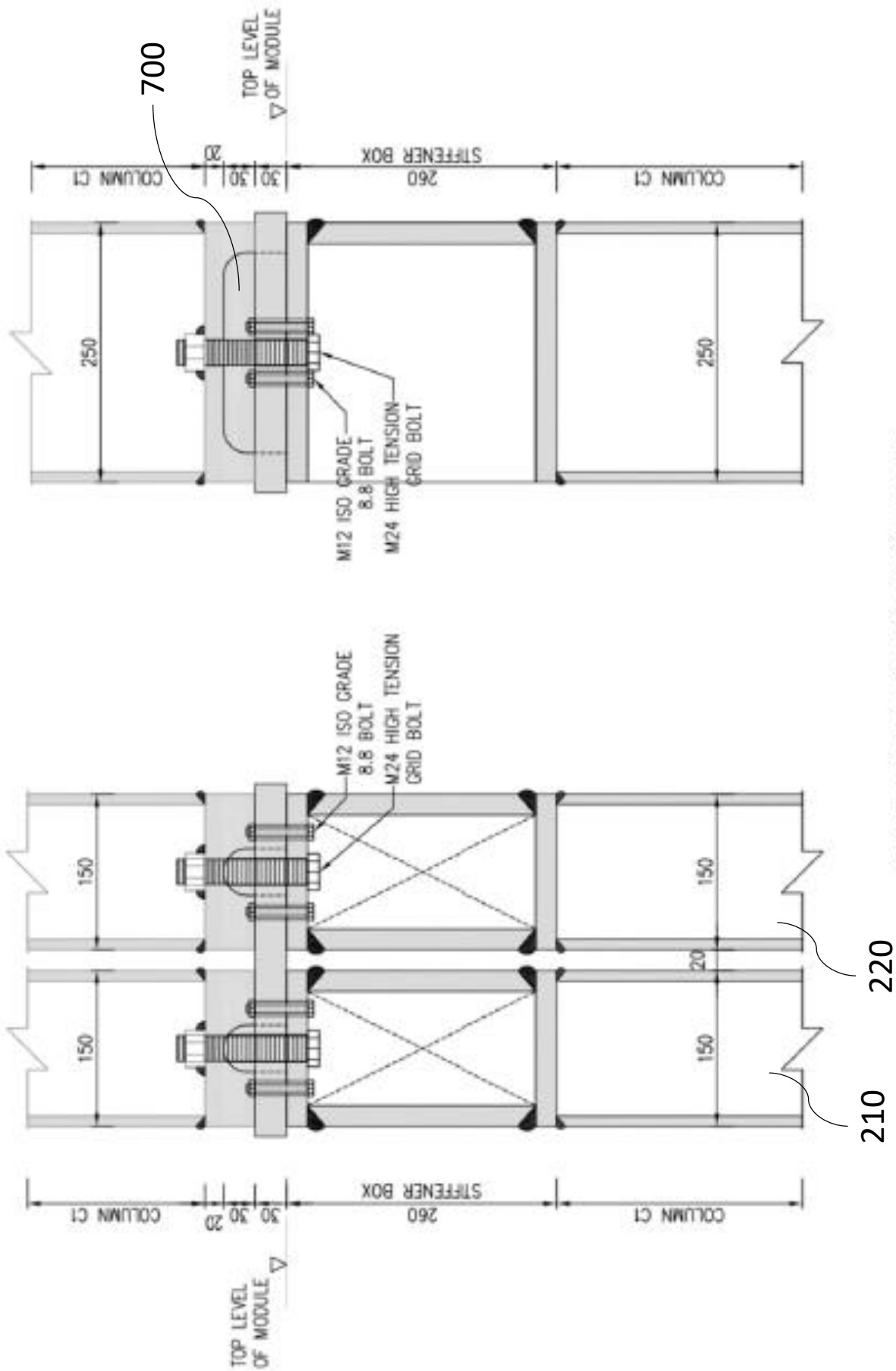


FIG. 17



JOINT DETAILS OF COLUMNS

FIG. 17 (cont'd)