



FIG. 1 (Prior Art)

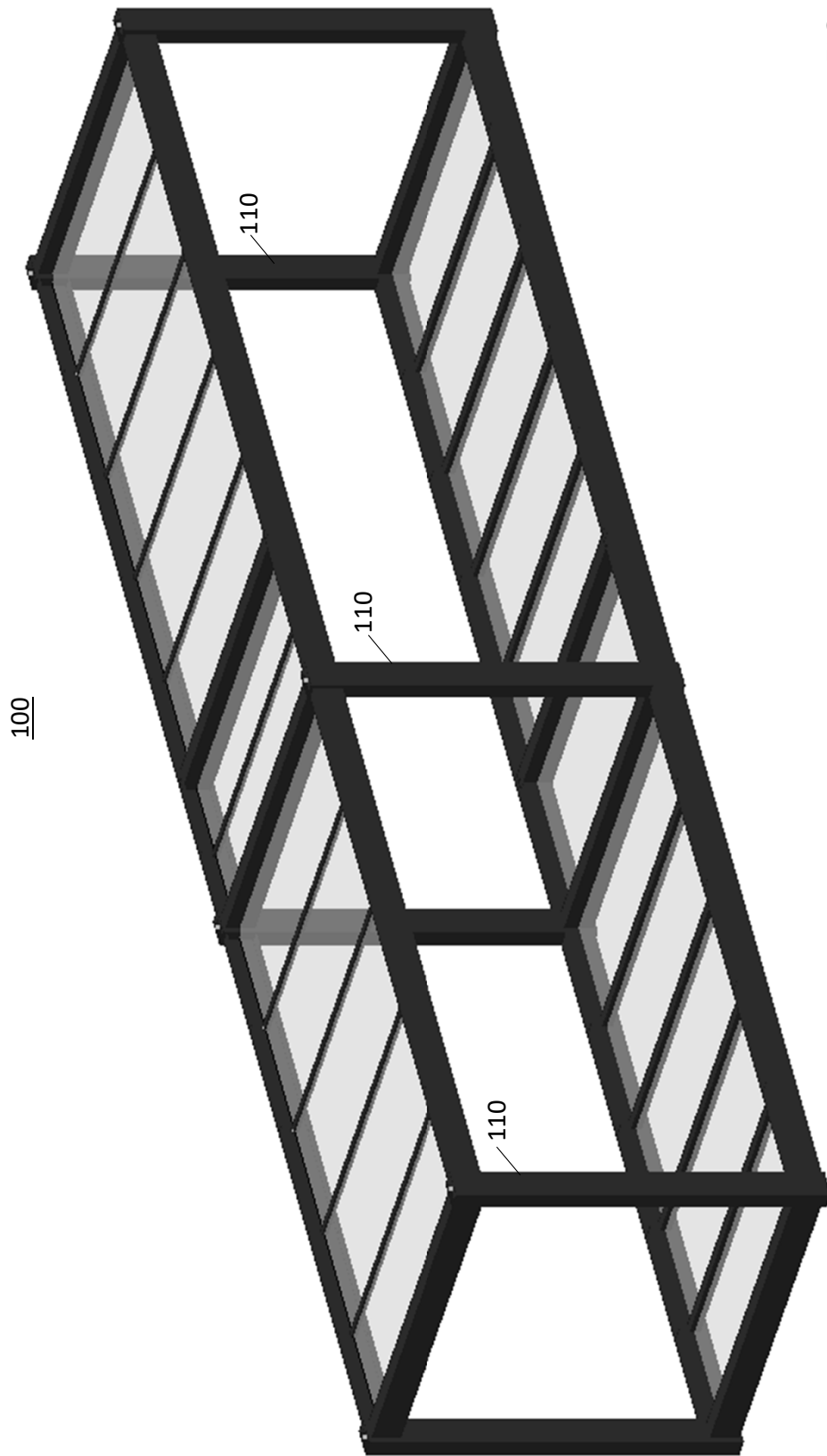


FIG. 2

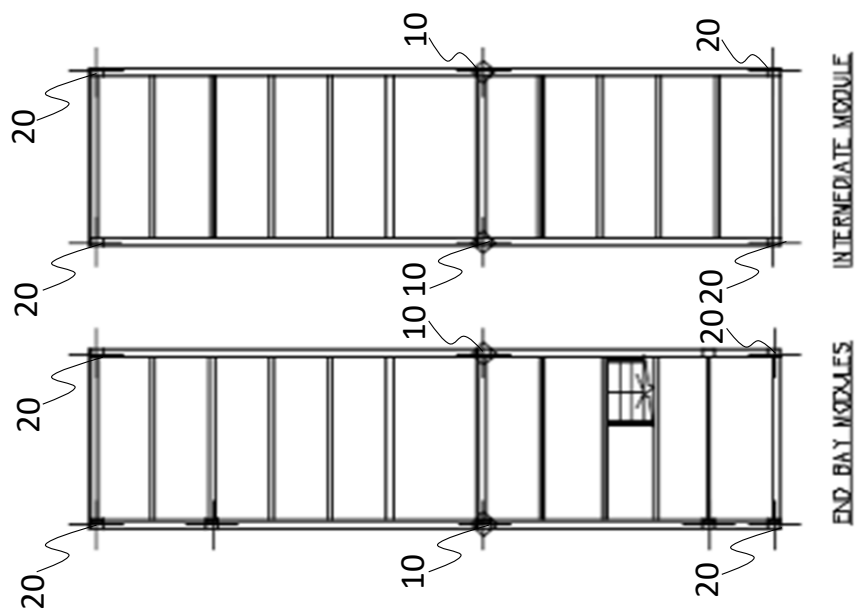
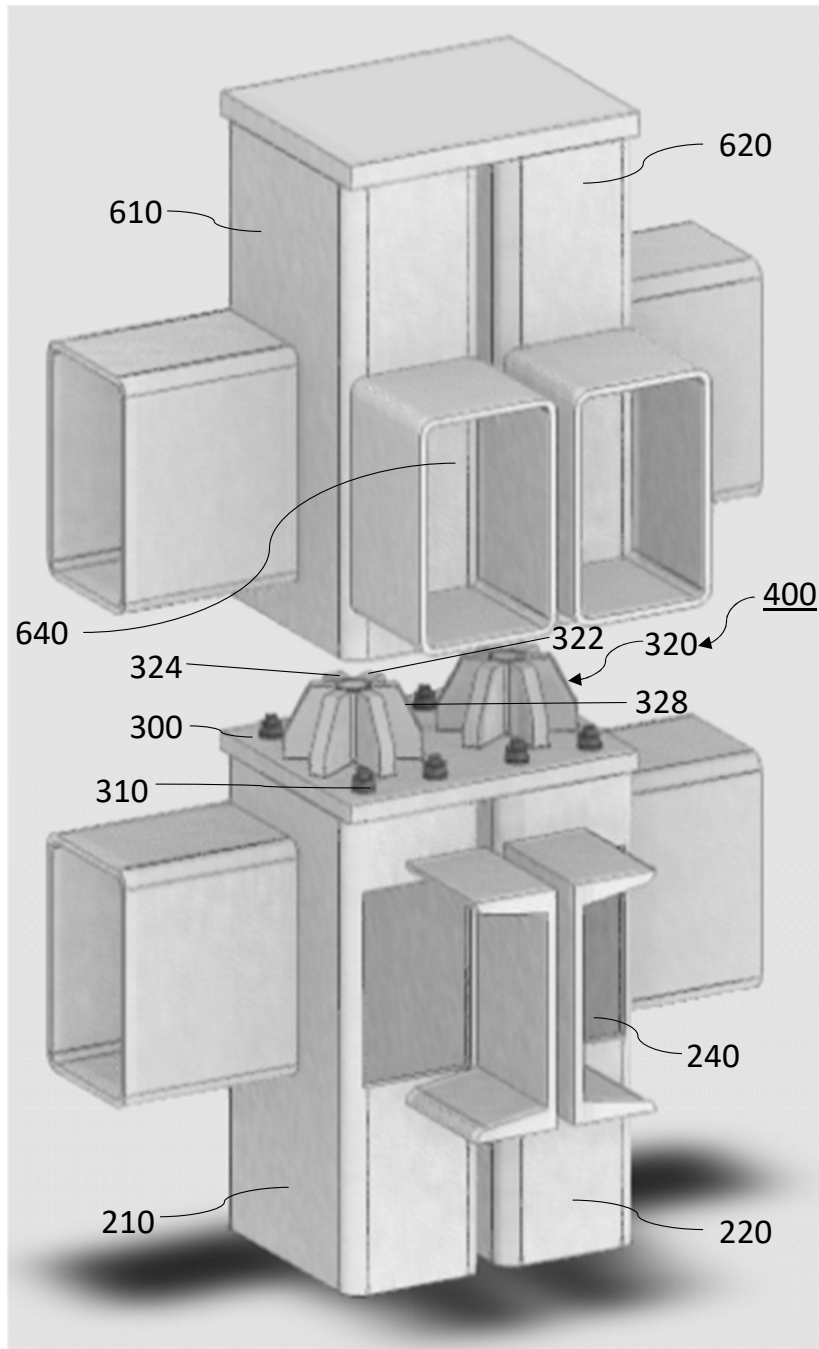
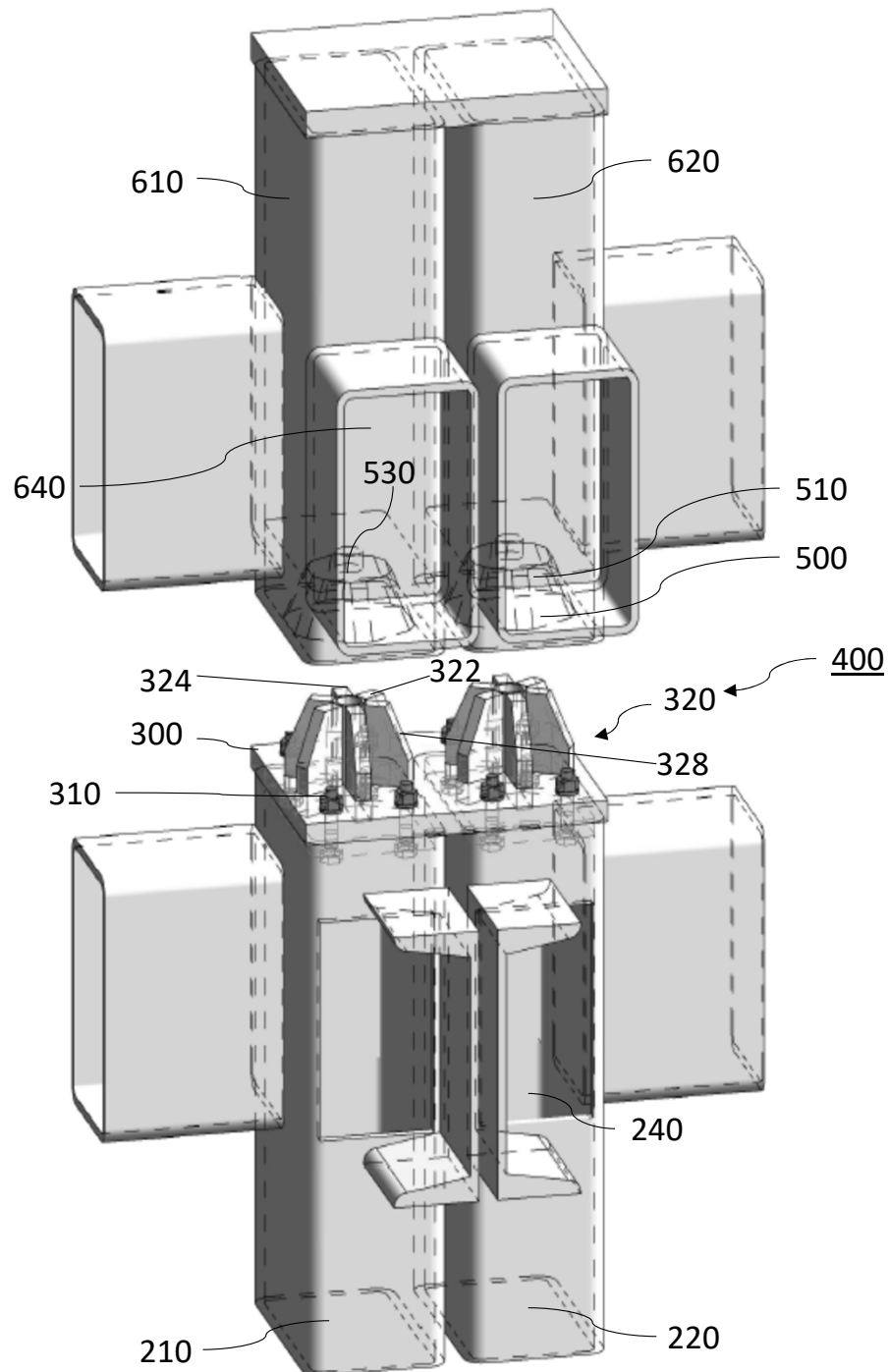
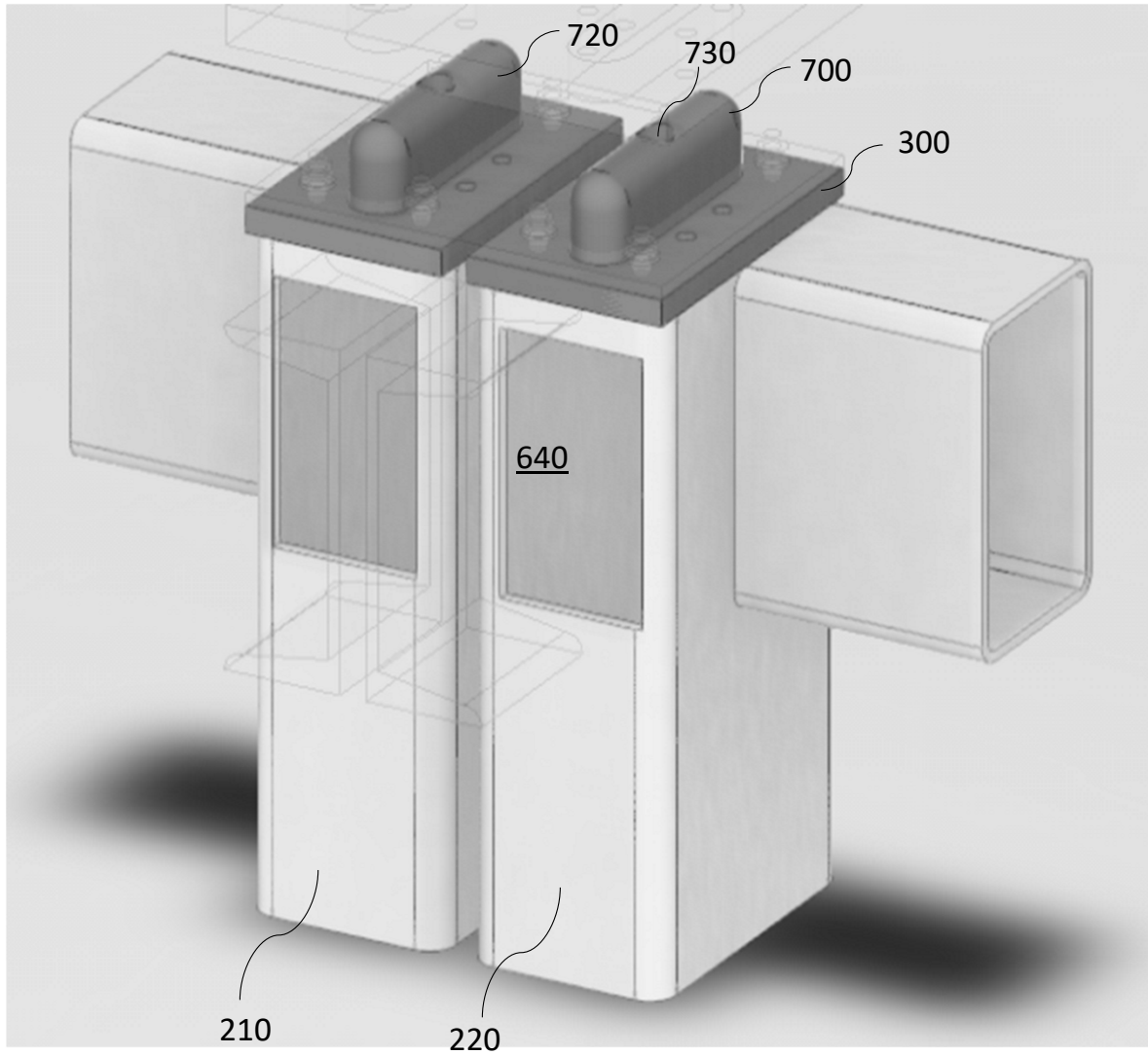
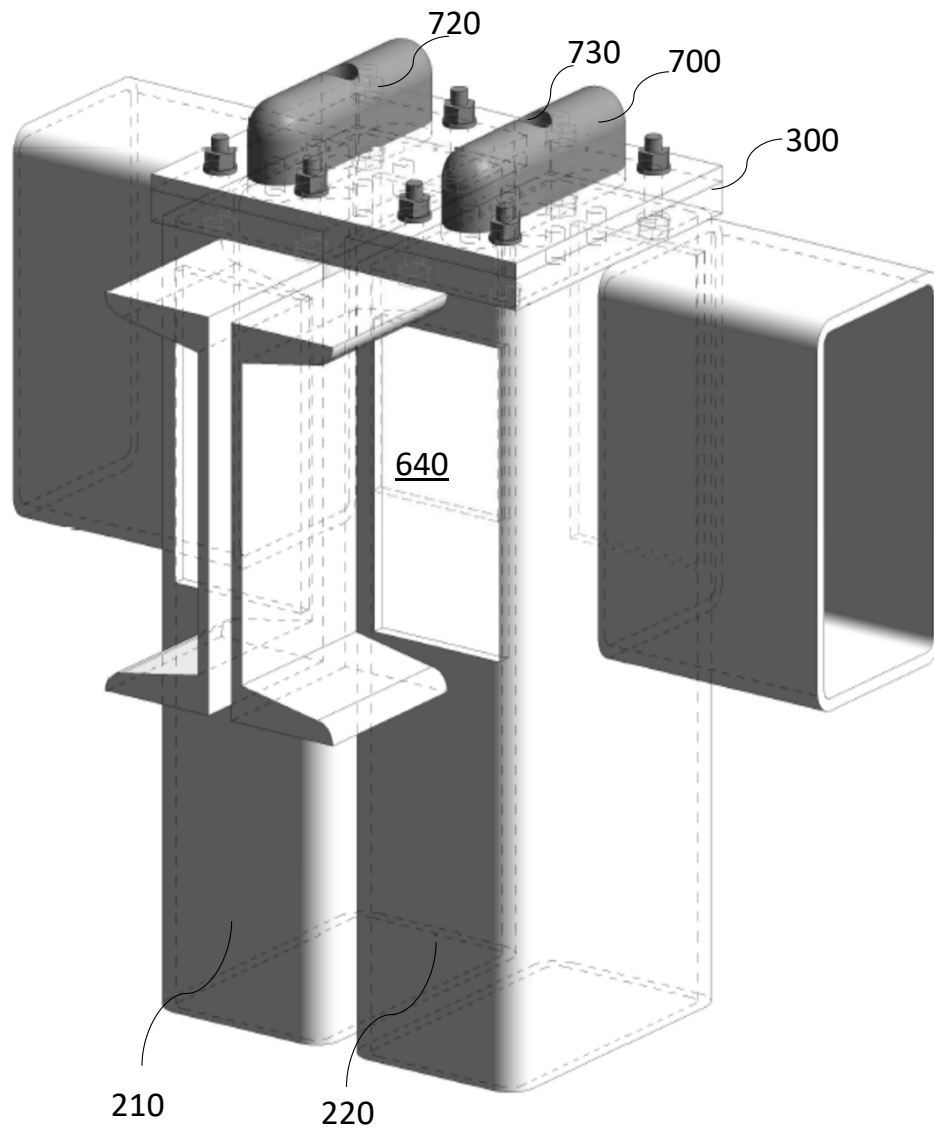


FIG. 3

**FIG. 4**

**FIG. 4(a)**

**FIG. 5**

**FIG. 5(a)**

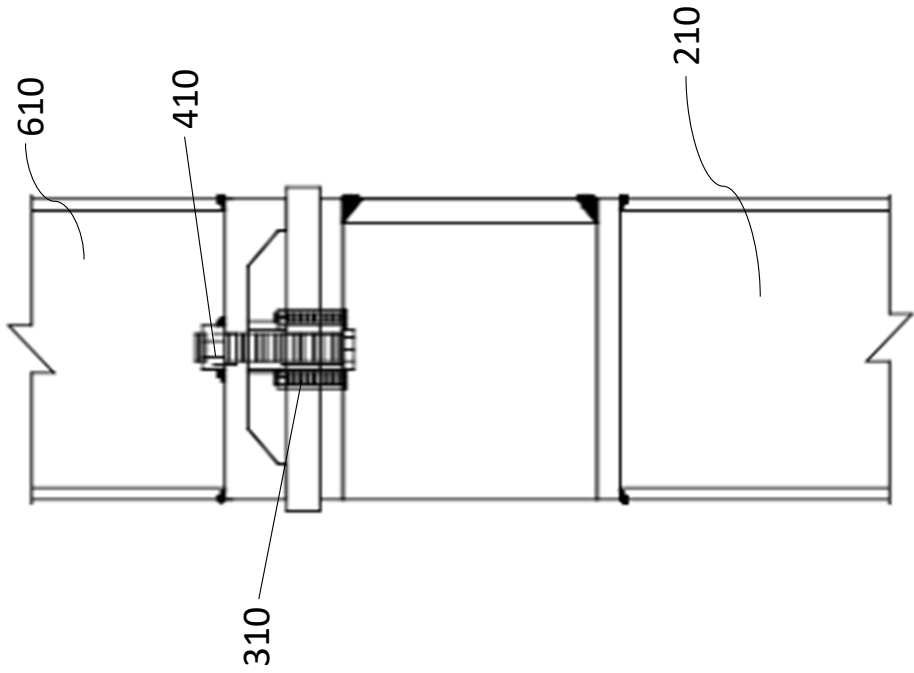


FIG. 6B

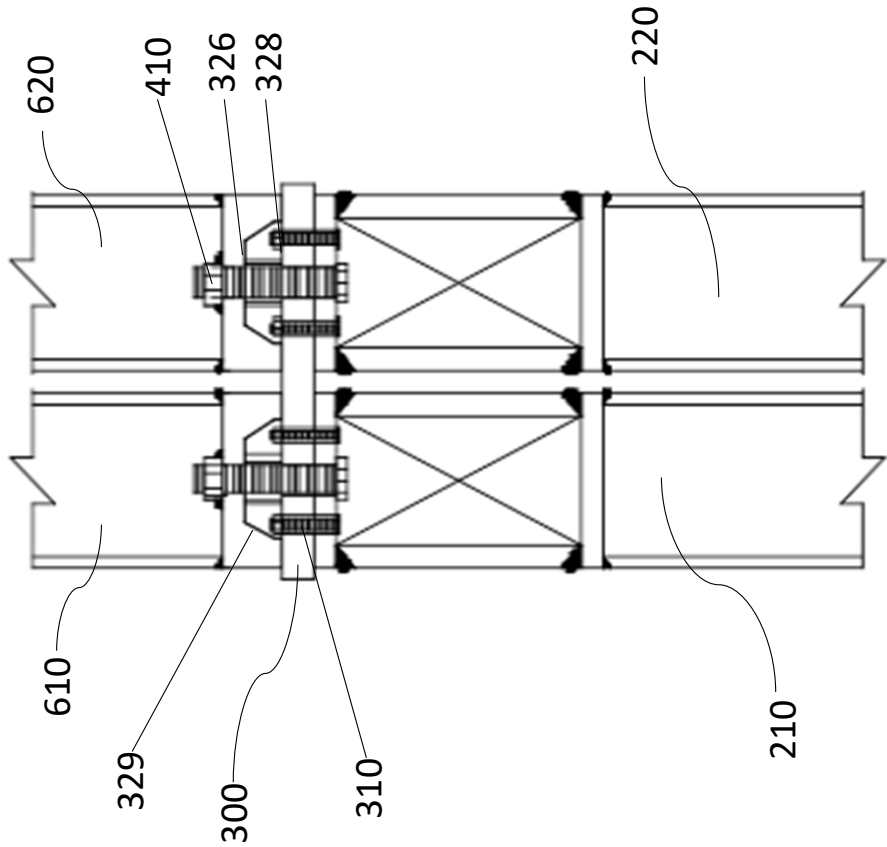
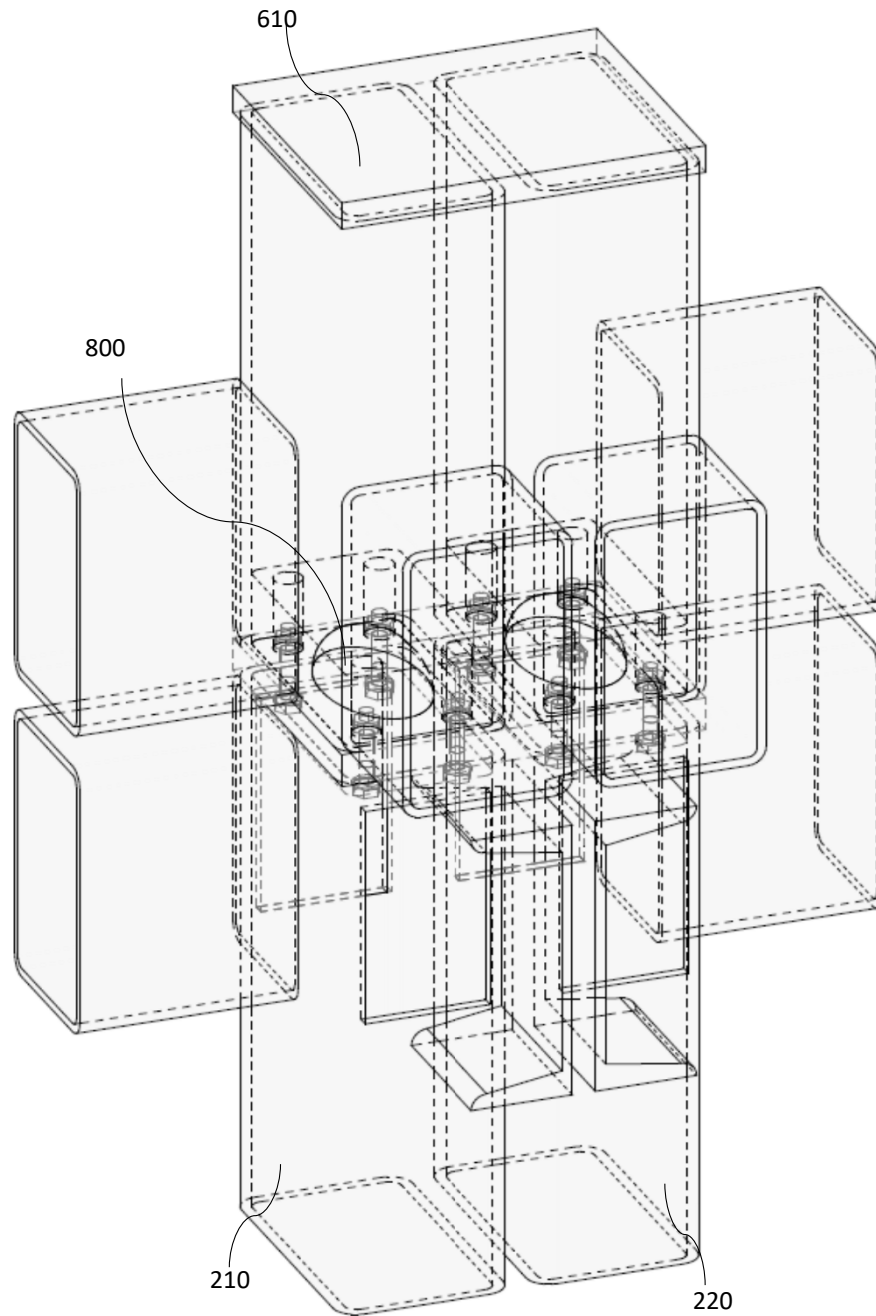


FIG. 6A

**FIG. 7**

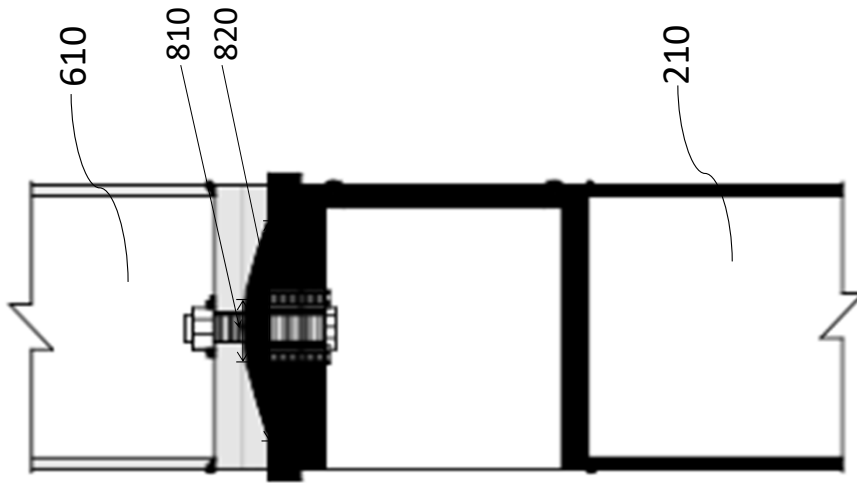


FIG. 8B

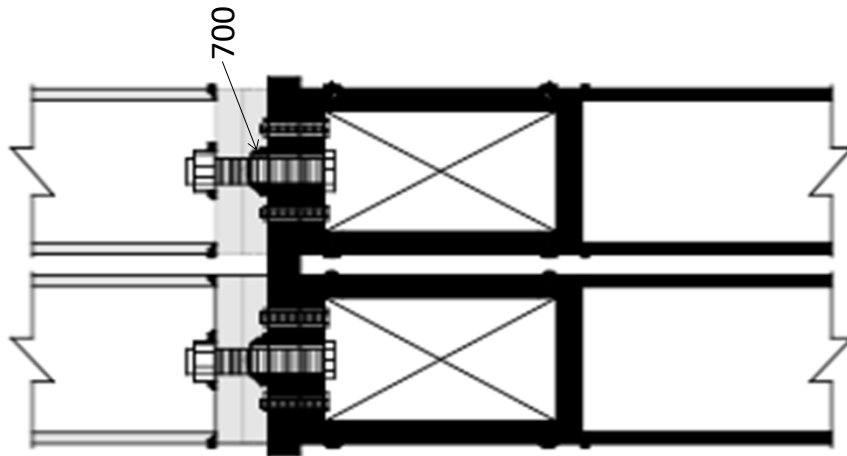


FIG. 8A

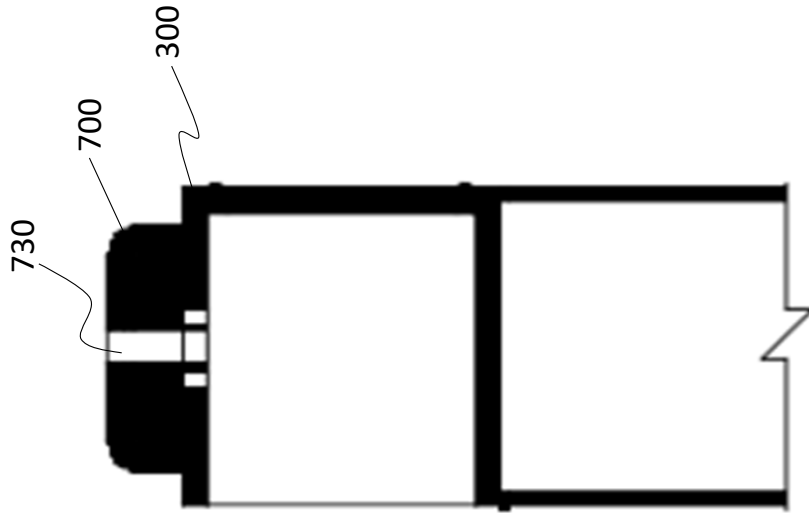


FIG. 8D

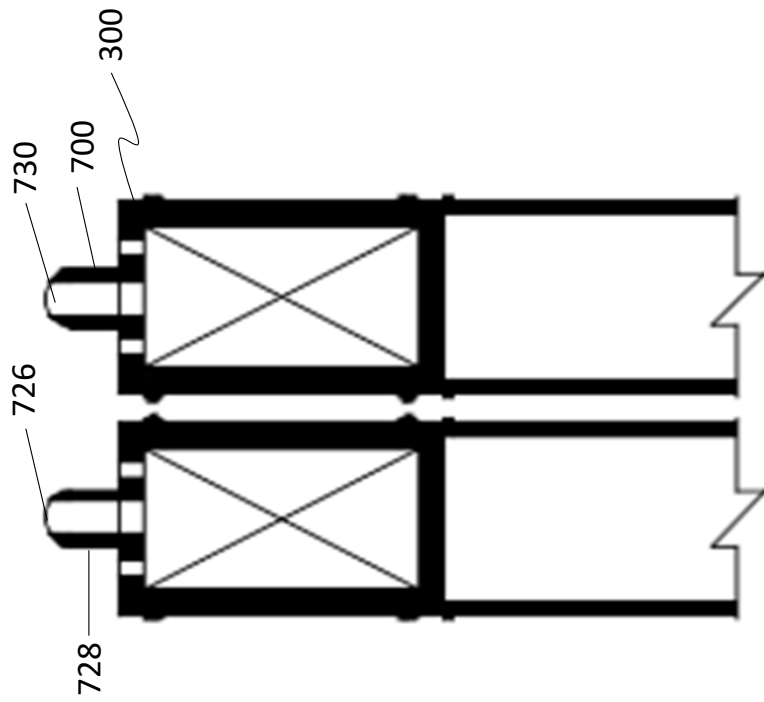


FIG. 8C

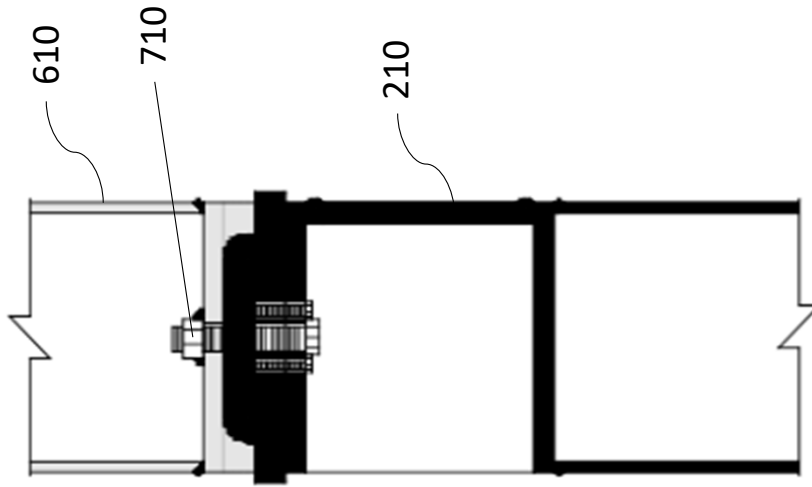


FIG. 8F

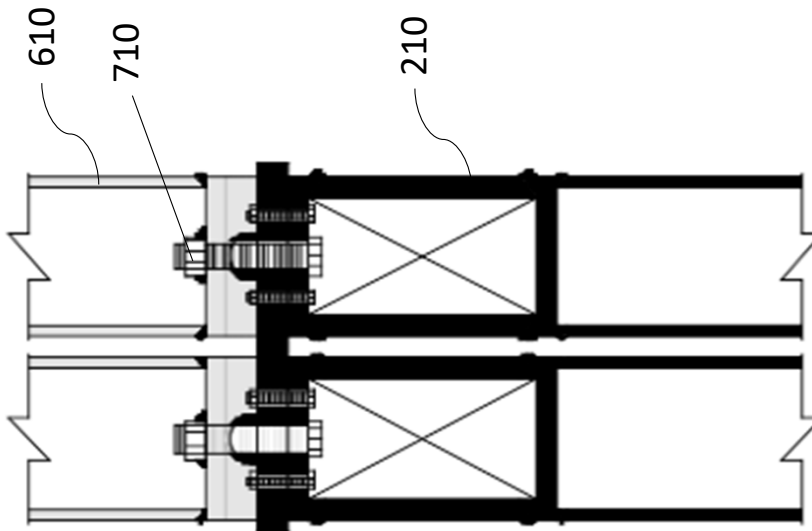


FIG. 8E

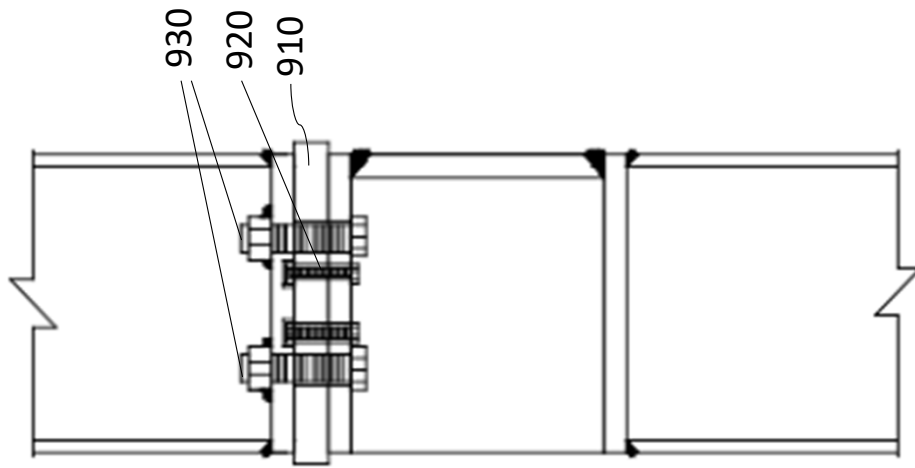


FIG. 9B

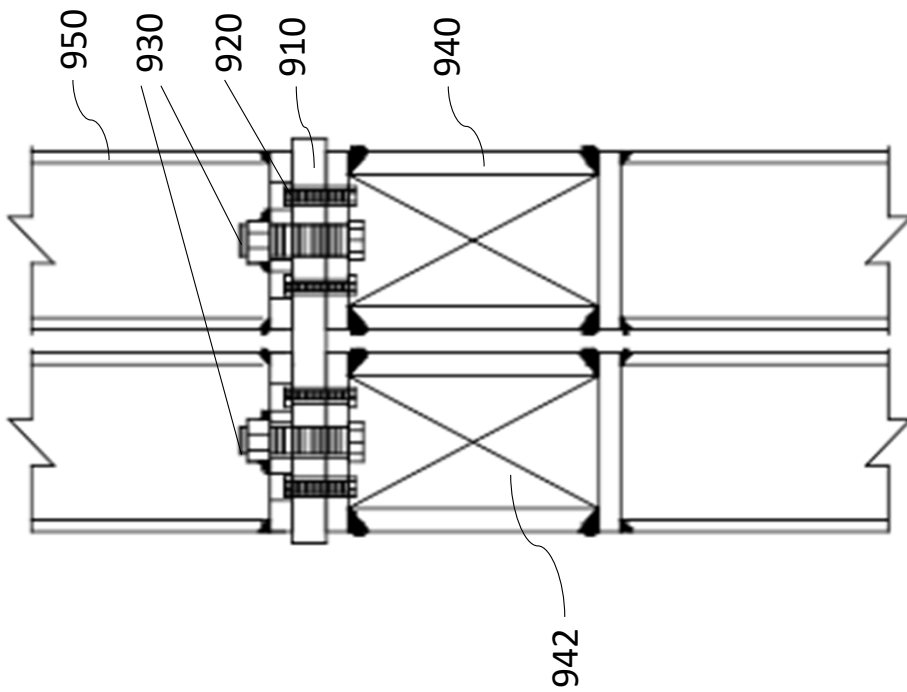


FIG. 9A

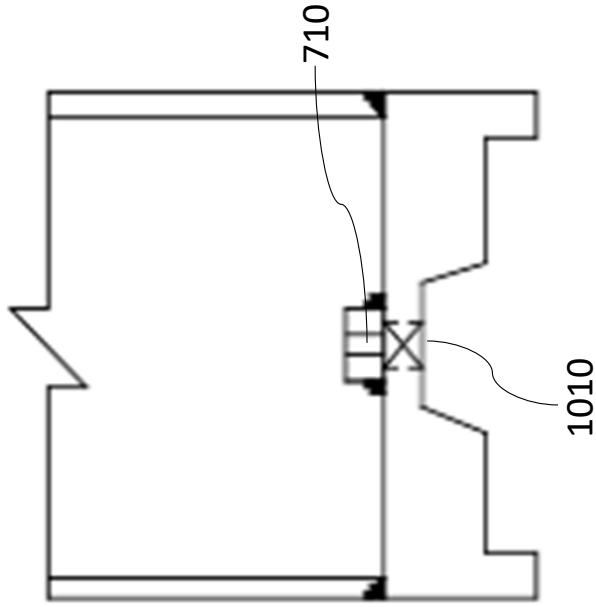


FIG. 10B

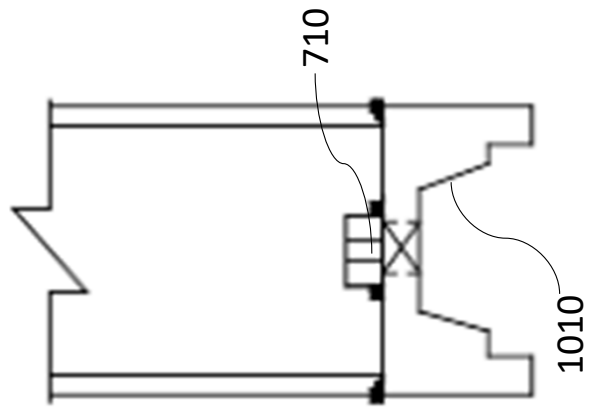


FIG. 10A

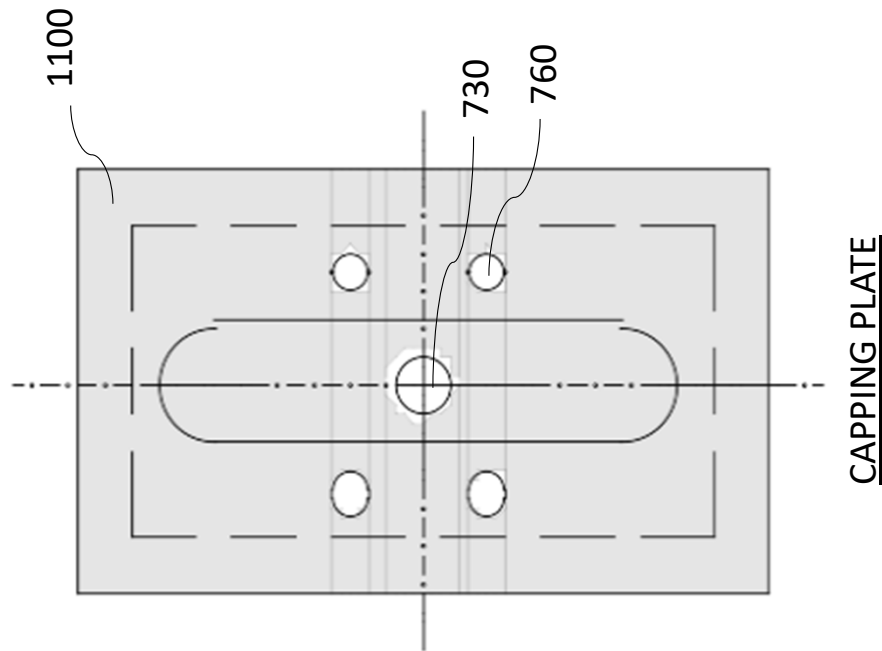


FIG. 11A

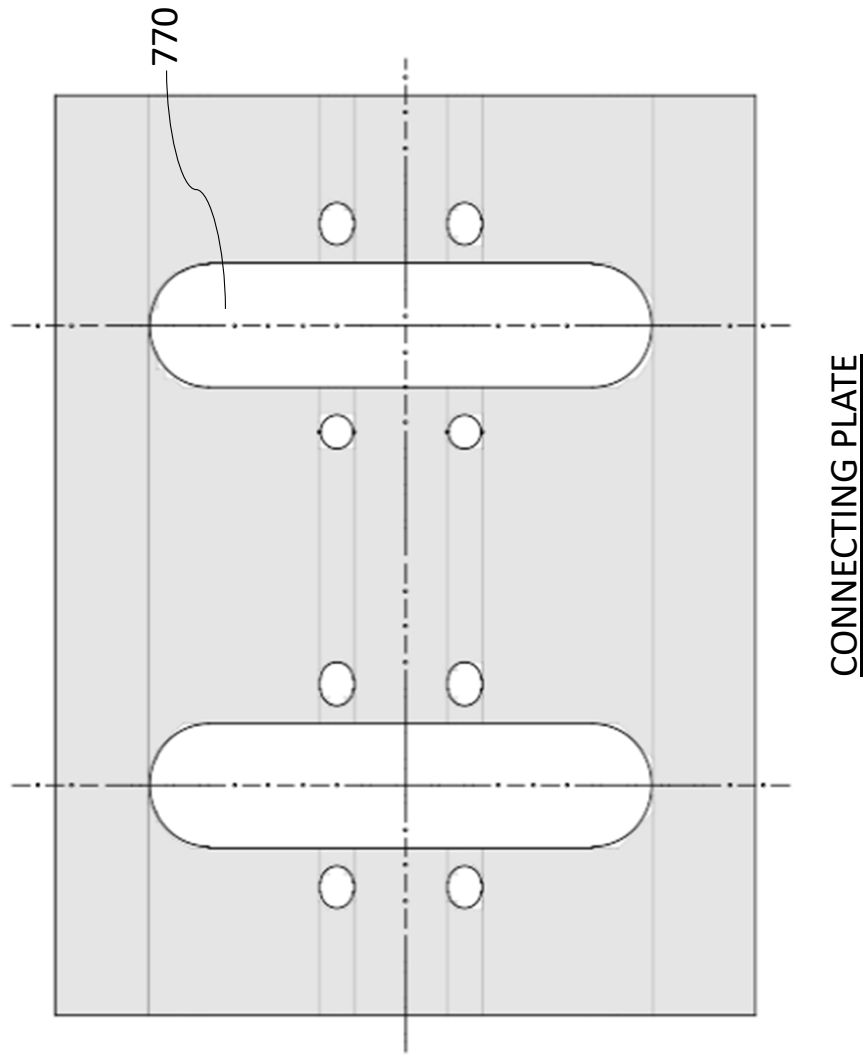
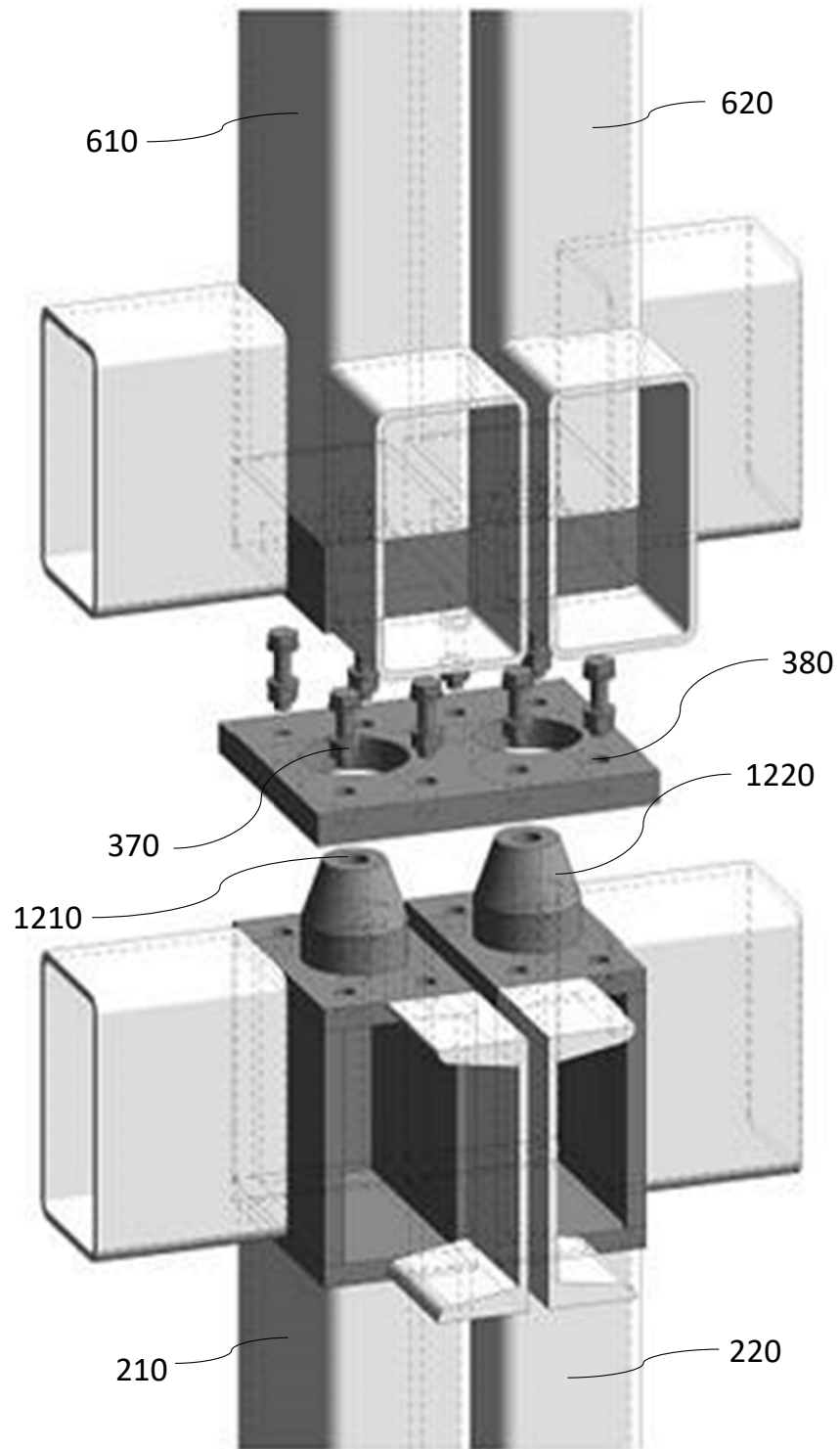
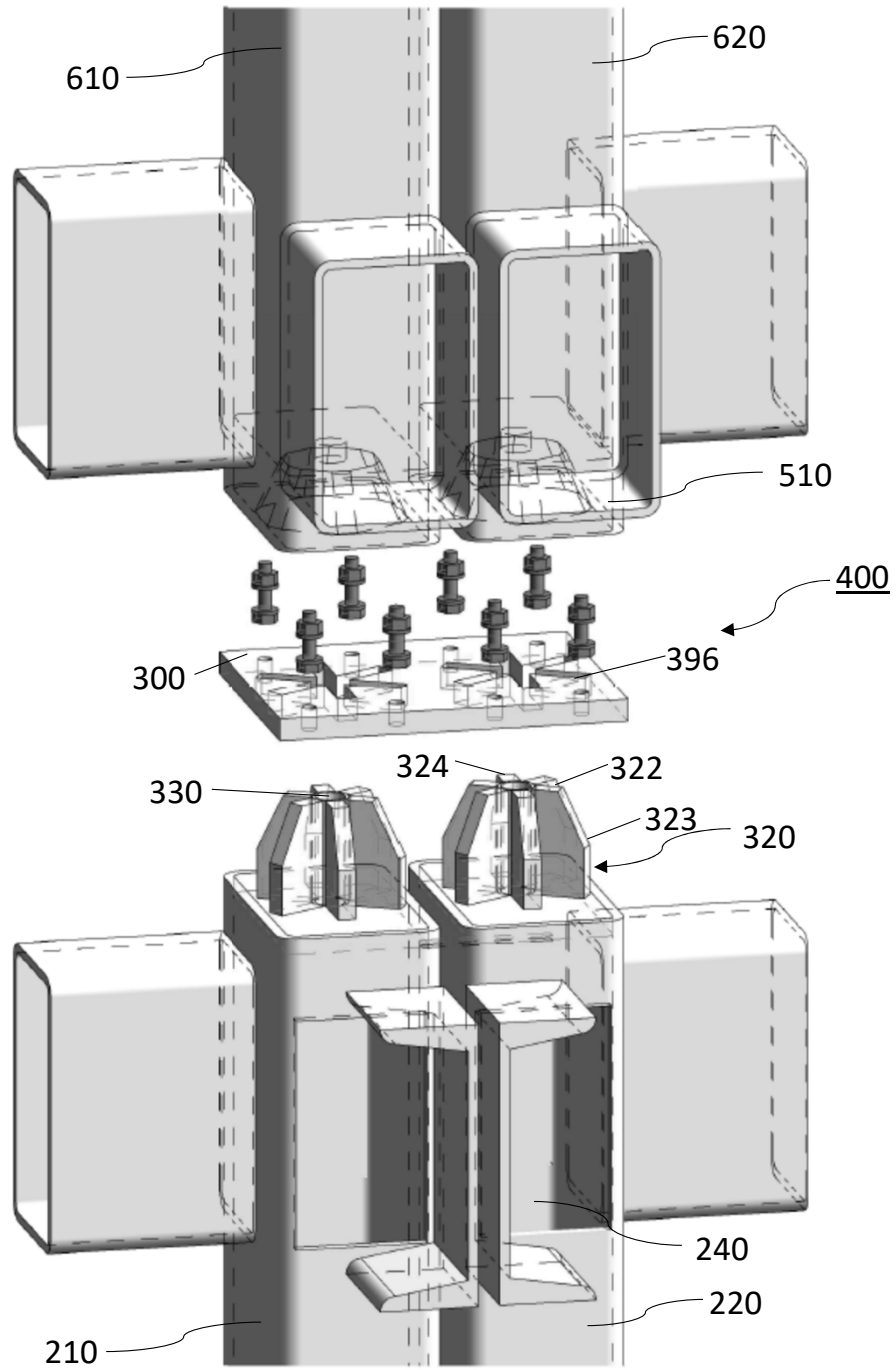


FIG. 11B

**FIG. 12**

**FIG. 13(a)**

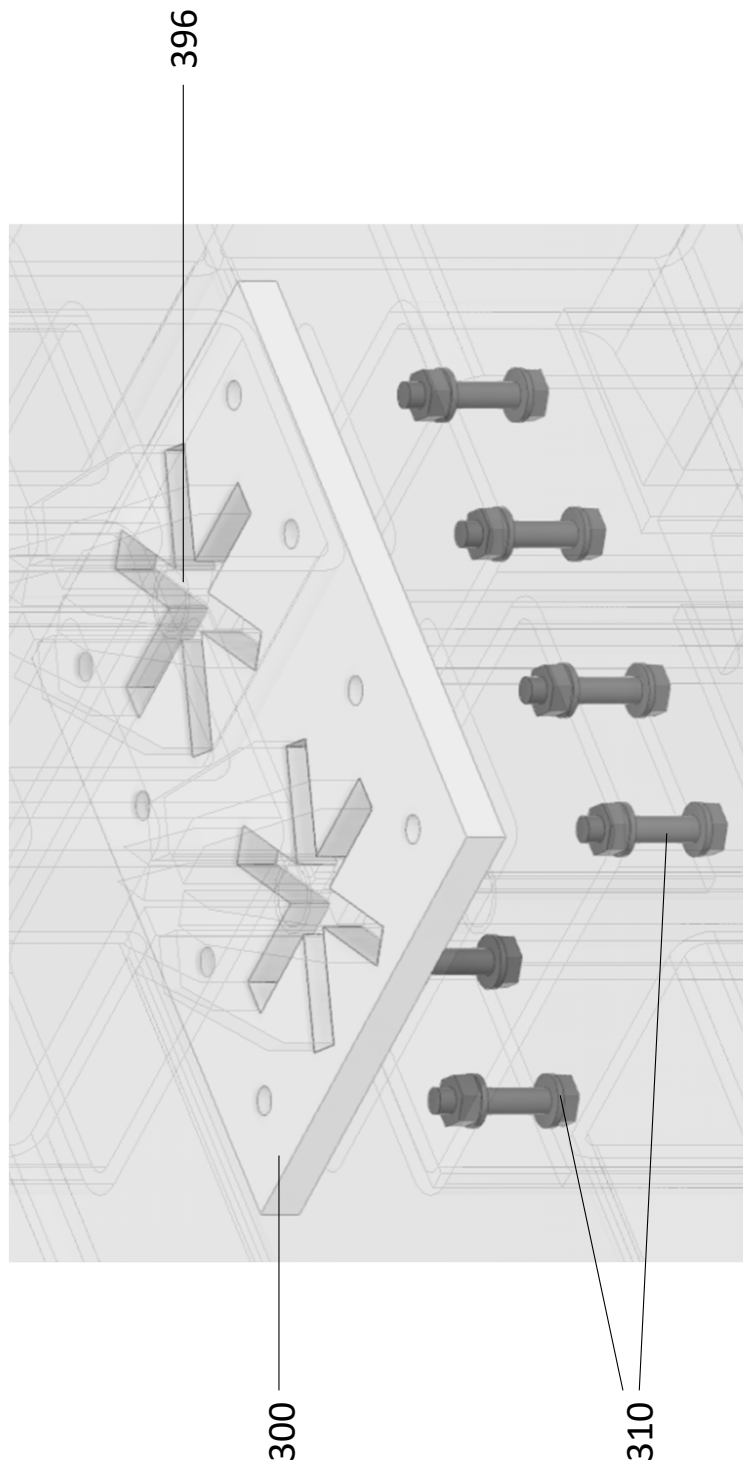
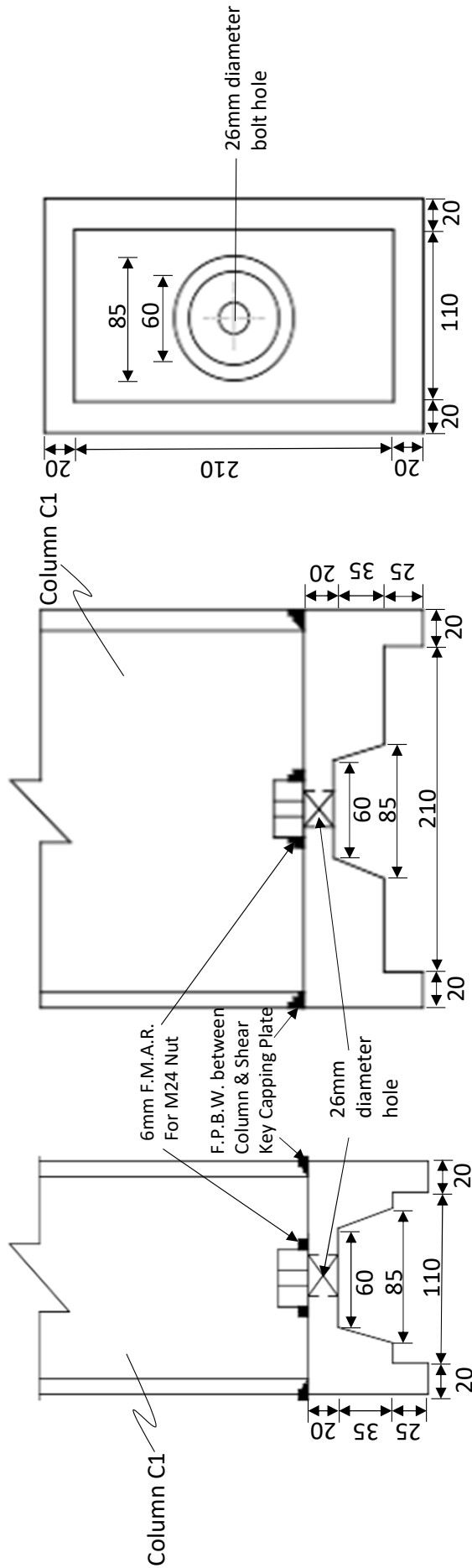


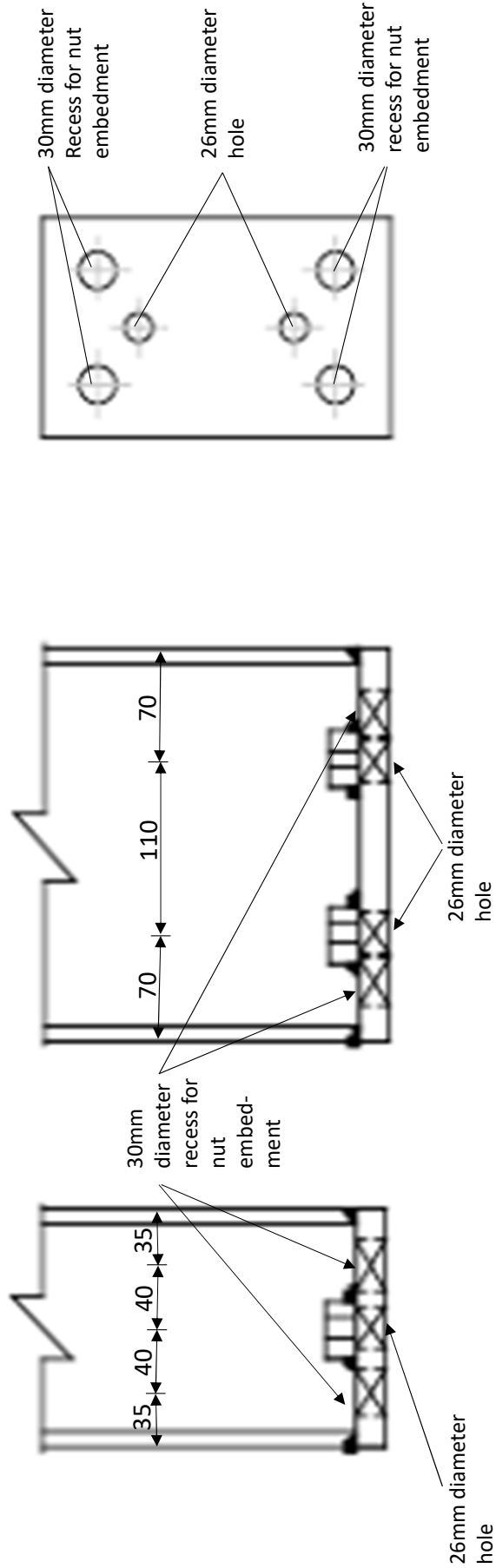
FIG. 13(b)



TOP VIEW OF CAPPING PLATE

TYPE 1 COLUMN SPLICE BASE

FIG. 14



TYPE 2 COLUMN SPLICE BASE

PLANE VIEW OF COLUMN END PLATE

FIG. 14(a)

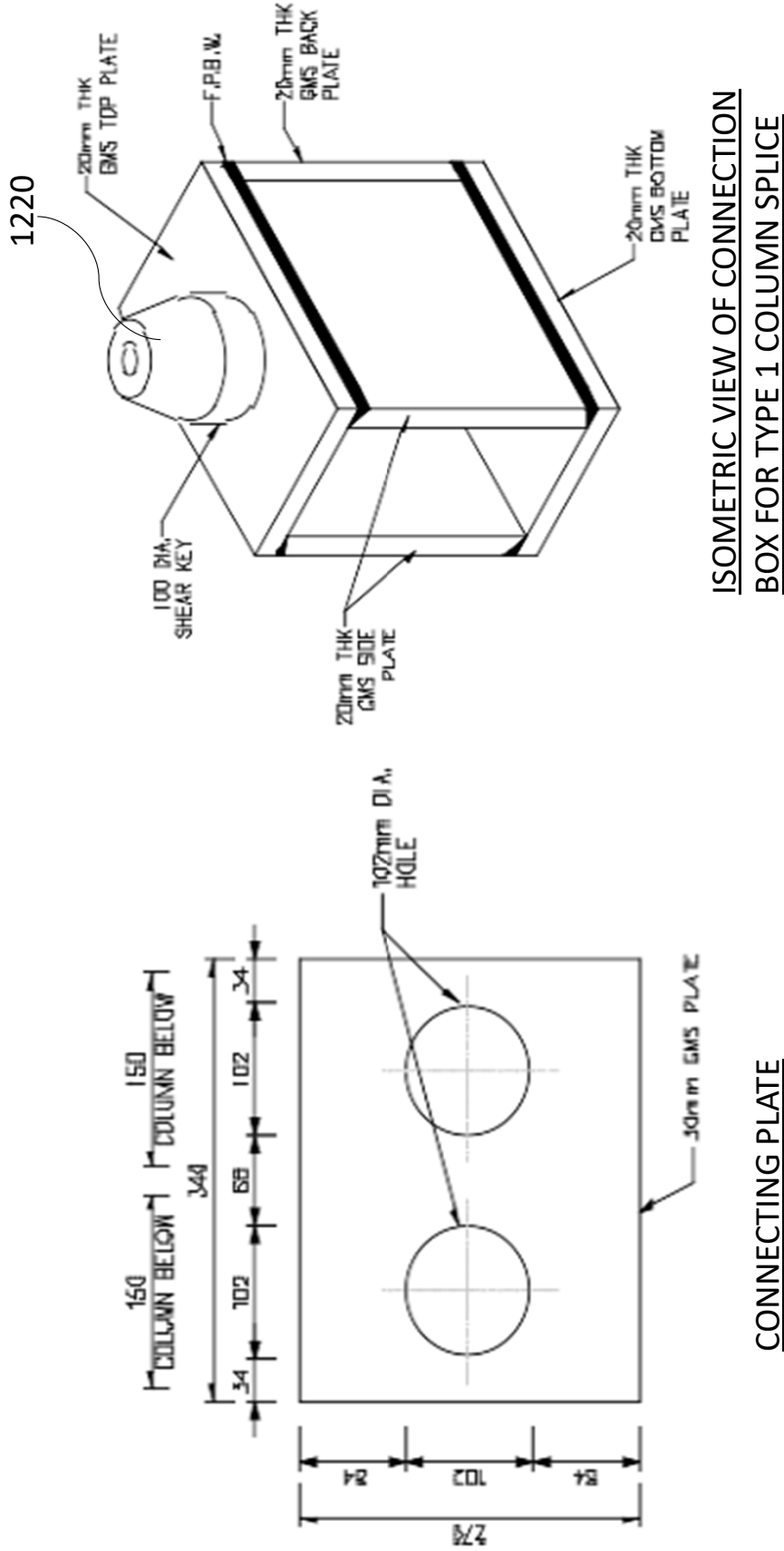
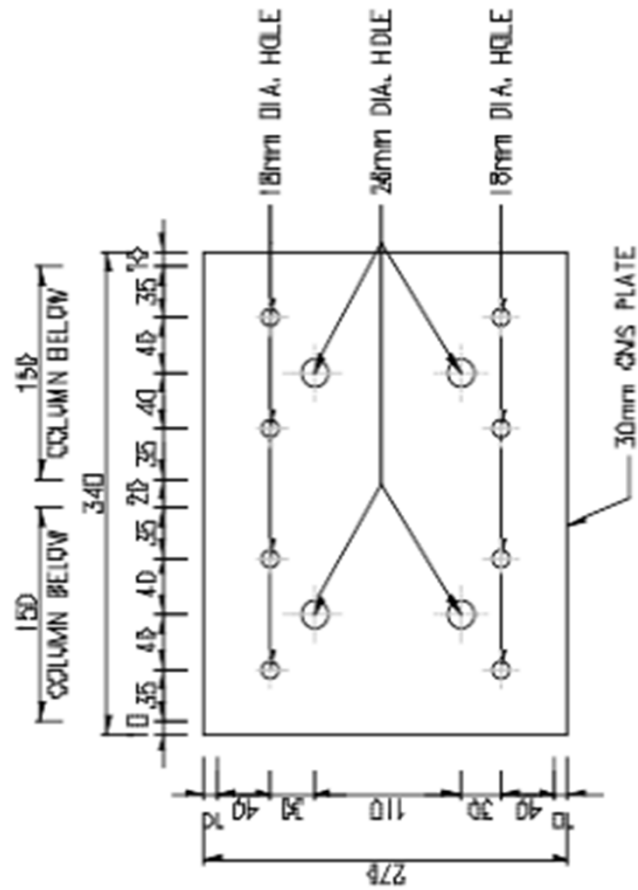
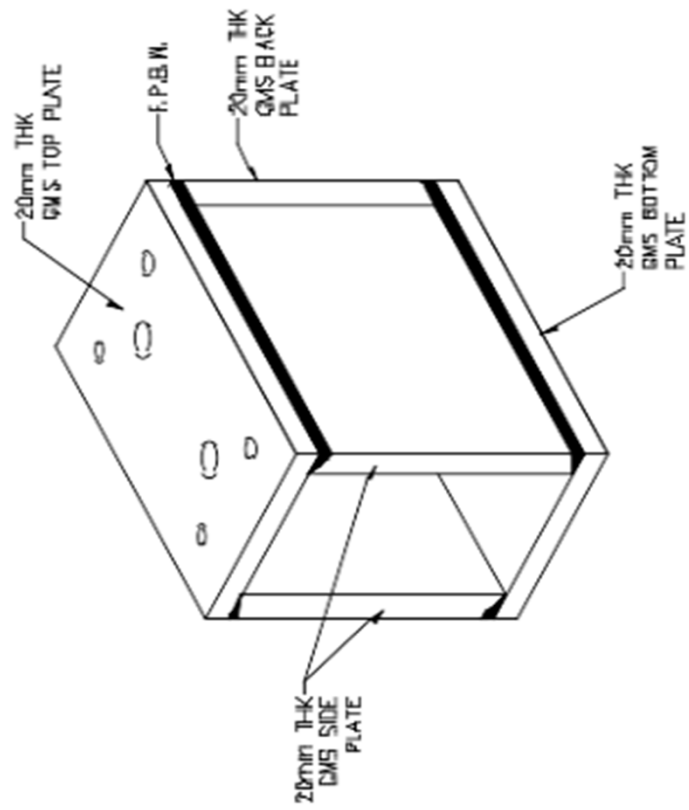


FIG. 14(b)



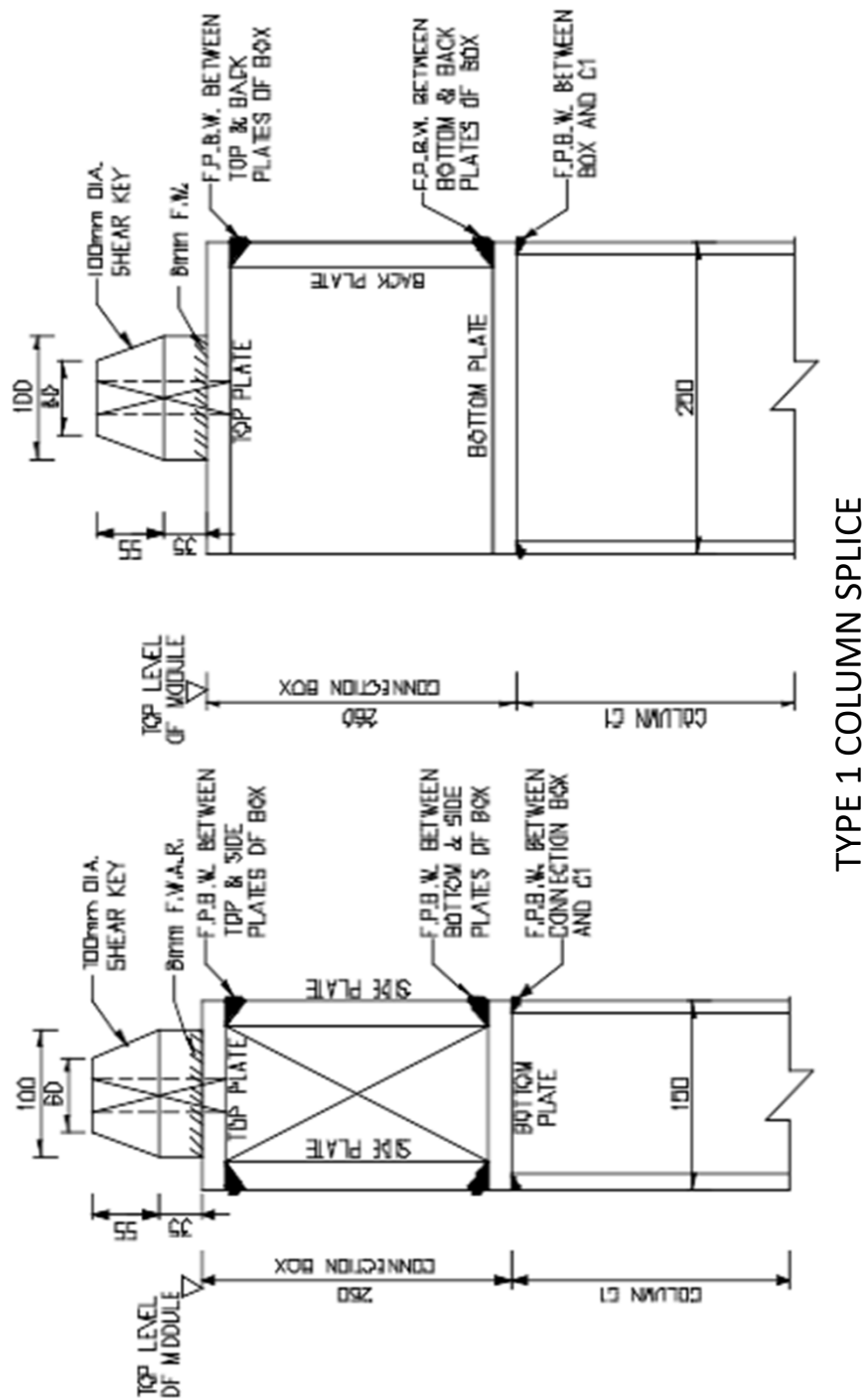
CONNECTING PLATE

FIG. 14(c)



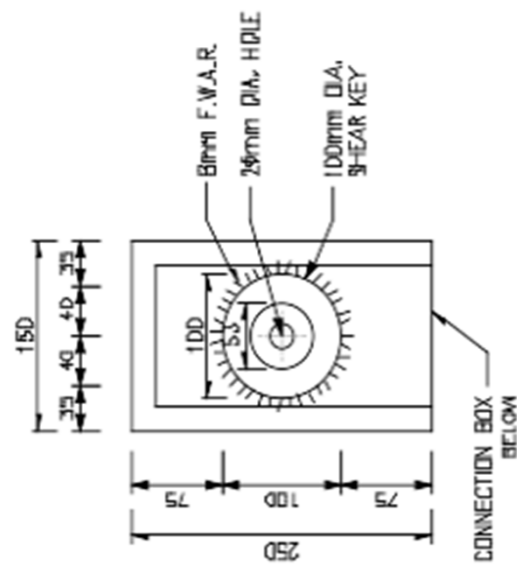
ISOMETRIC VIEW OF CONNECTION
BOX FOR TYPE 2 COLUMN SPLICE

FIG. 14(d)



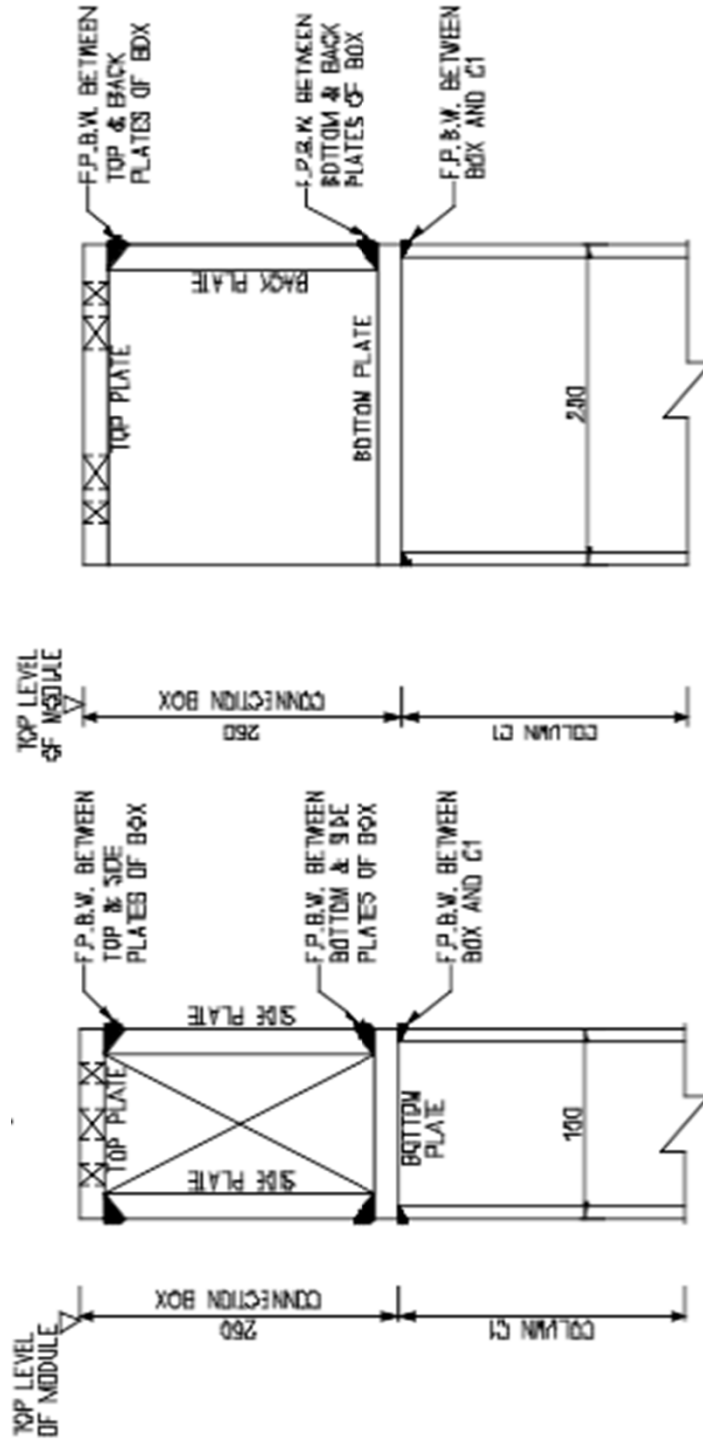
TYPE 1 COLUMN SPLICE

FIG. 14(e)



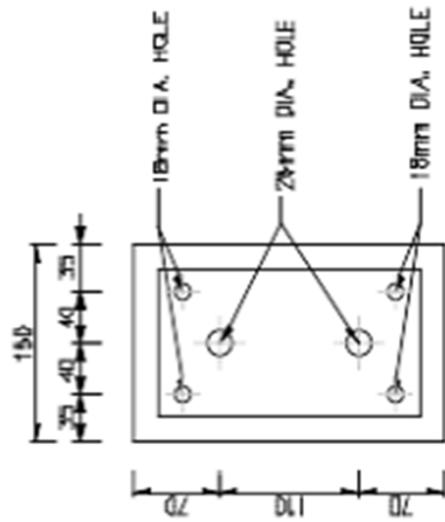
TOP VIEW OF CONNECTION BOX
TOP PLATE

FIG. 14(f)



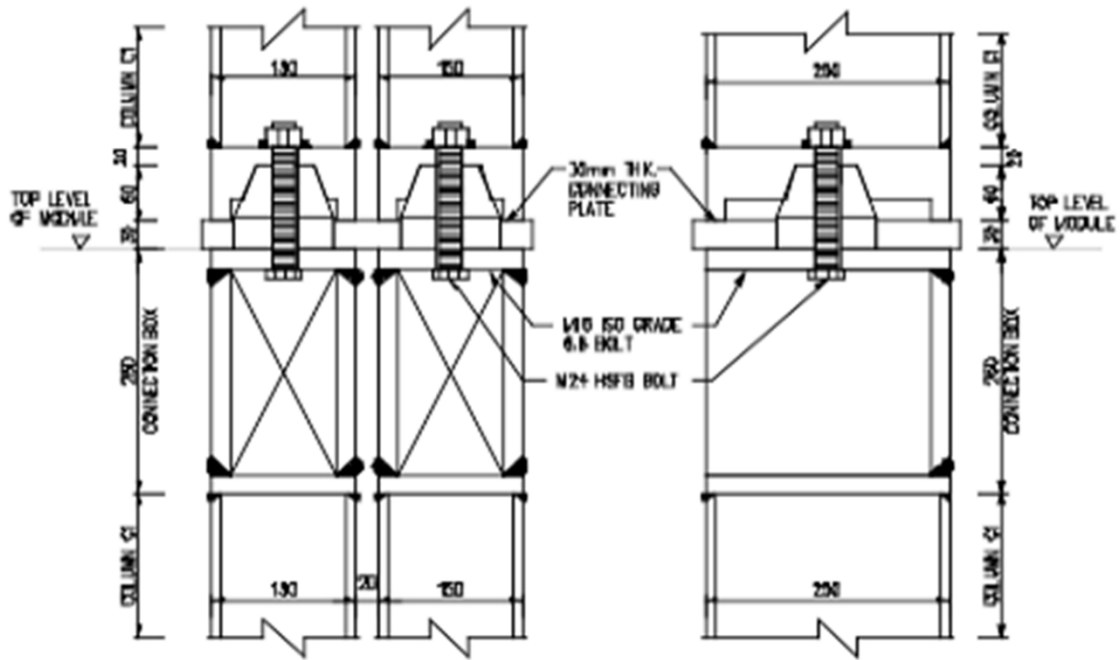
TYPE 2 COLUMN SPLICE

FIG. 14(g)

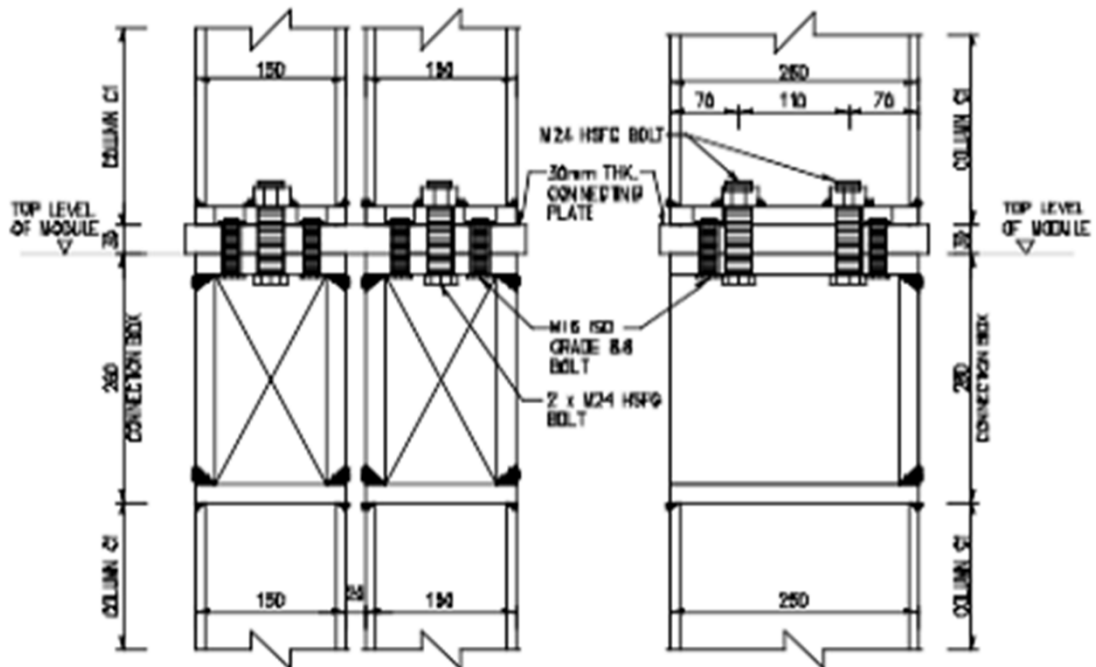


TOP VIEW OF CONNECTION BOX
TOP PLATE

FIG. 14(h)

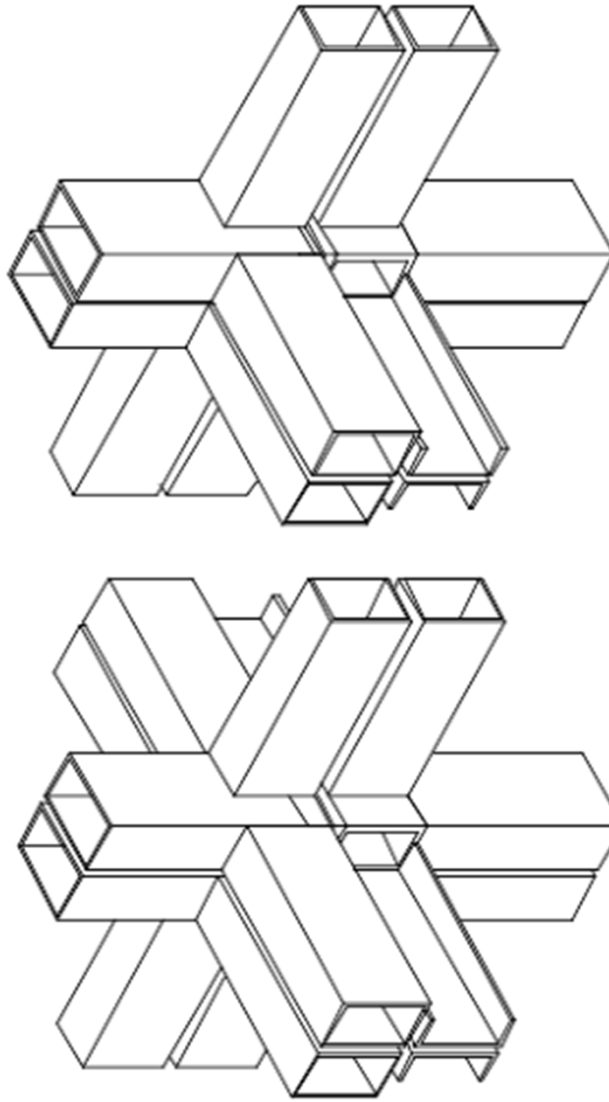


TYPE 1 COLUMN SPLICE



TYPE 2 COLUMN SPLICE

FIG. 15



ISOMETRIC VIEW OF
TYPE 1 COLUMN SPLICE JOINT

ISOMETRIC VIEW OF
TYPE 2 COLUMN SPLICE JOINT

FIG. 15(a)

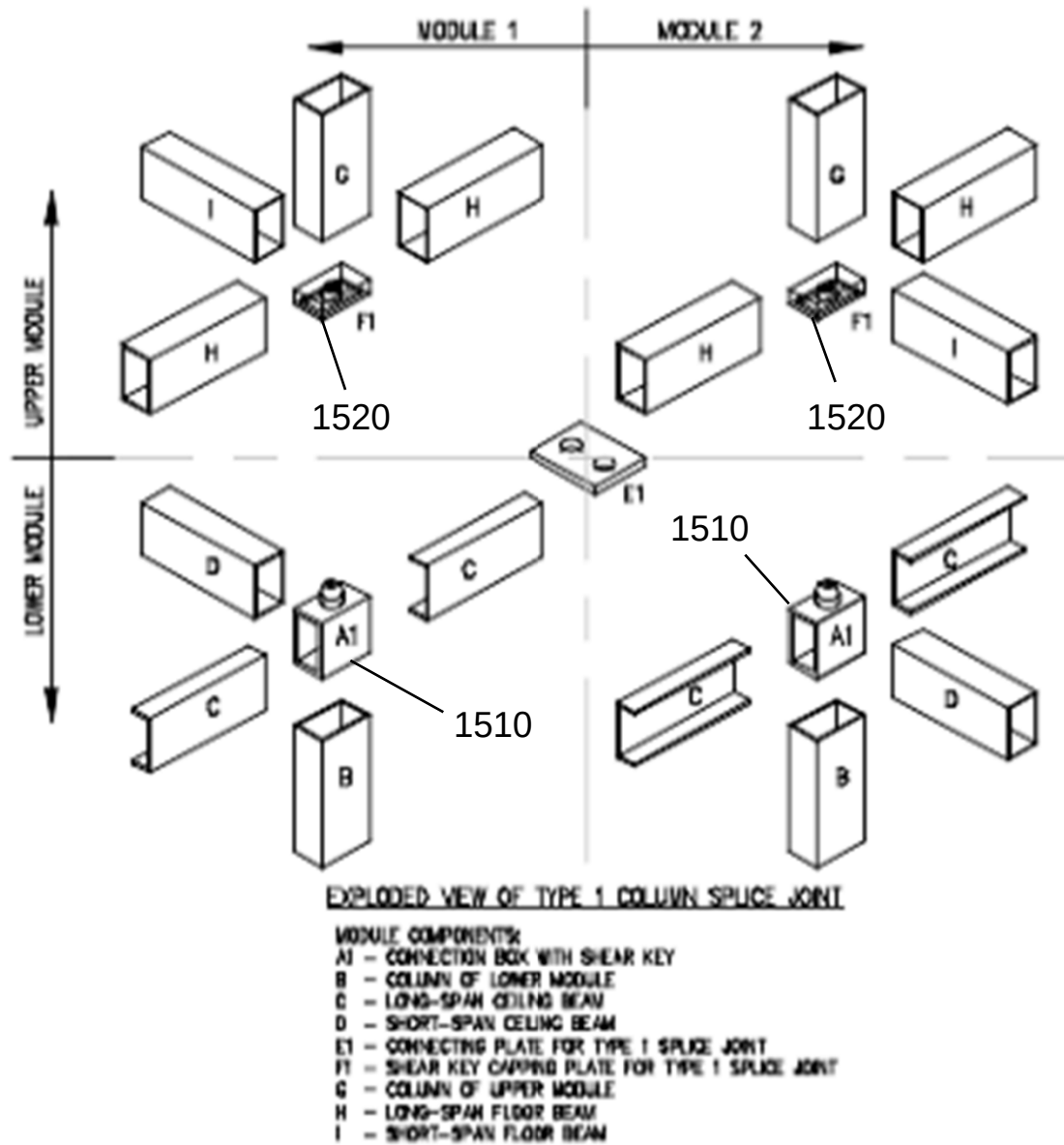


FIG. 15(b)

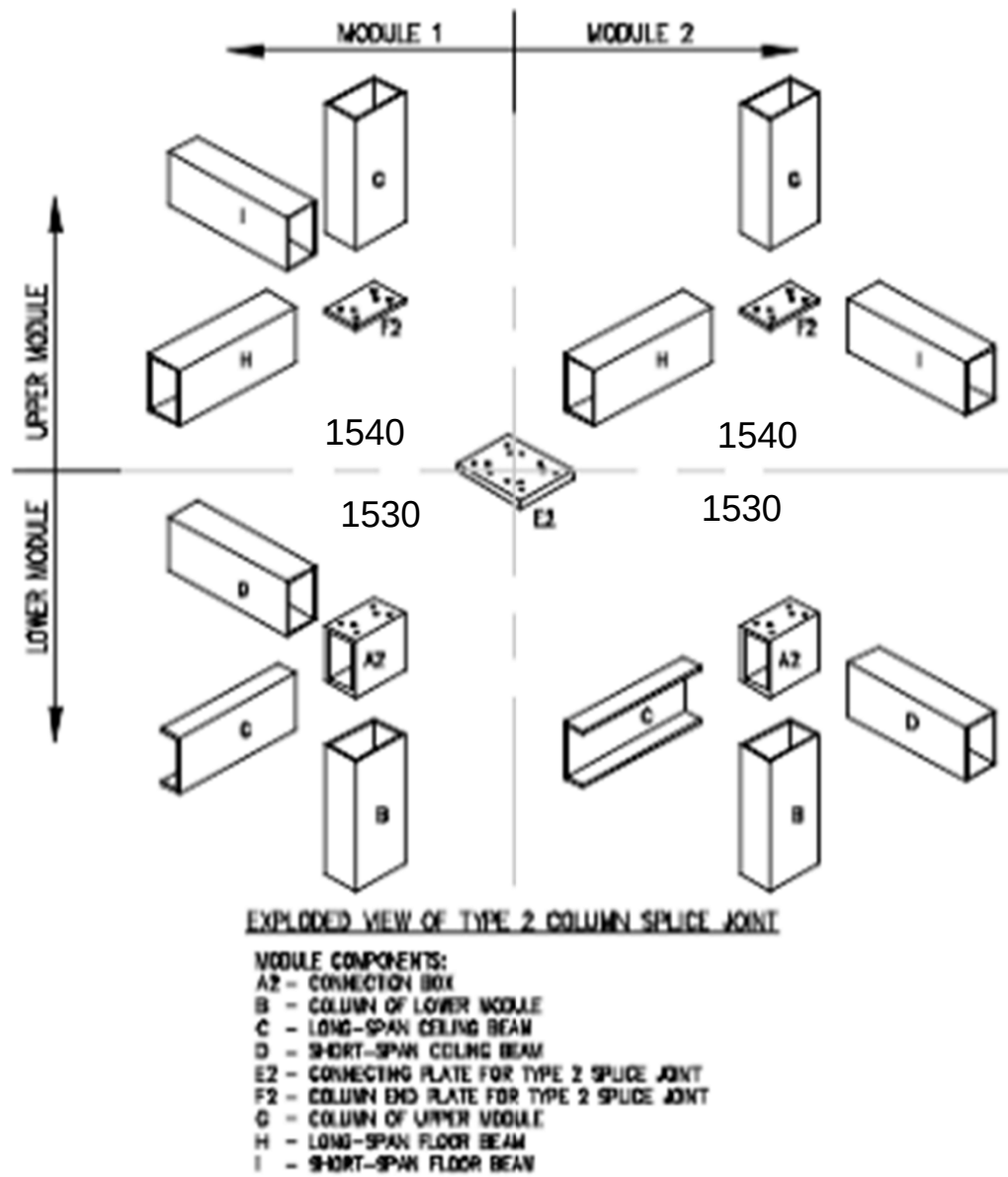
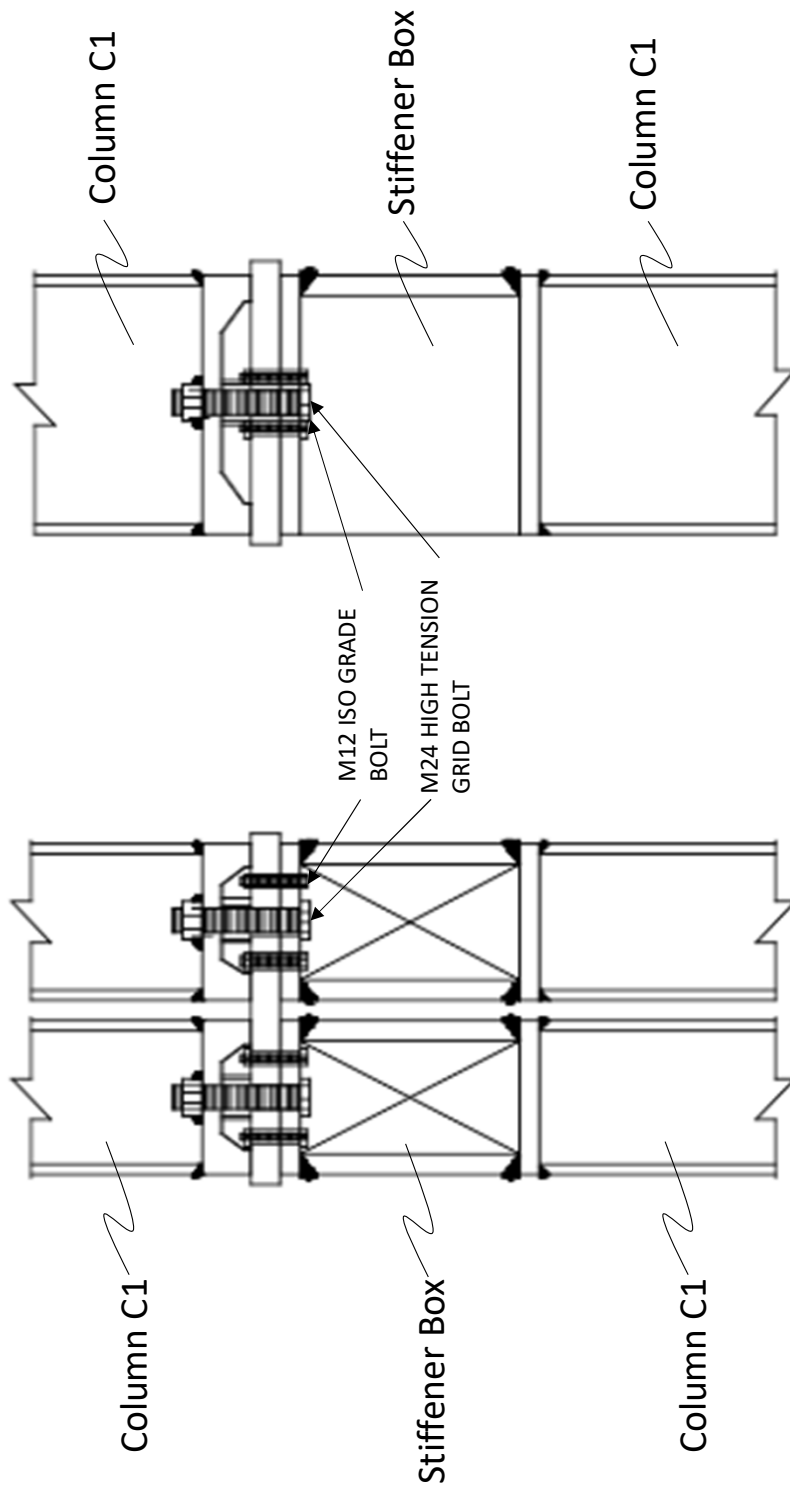
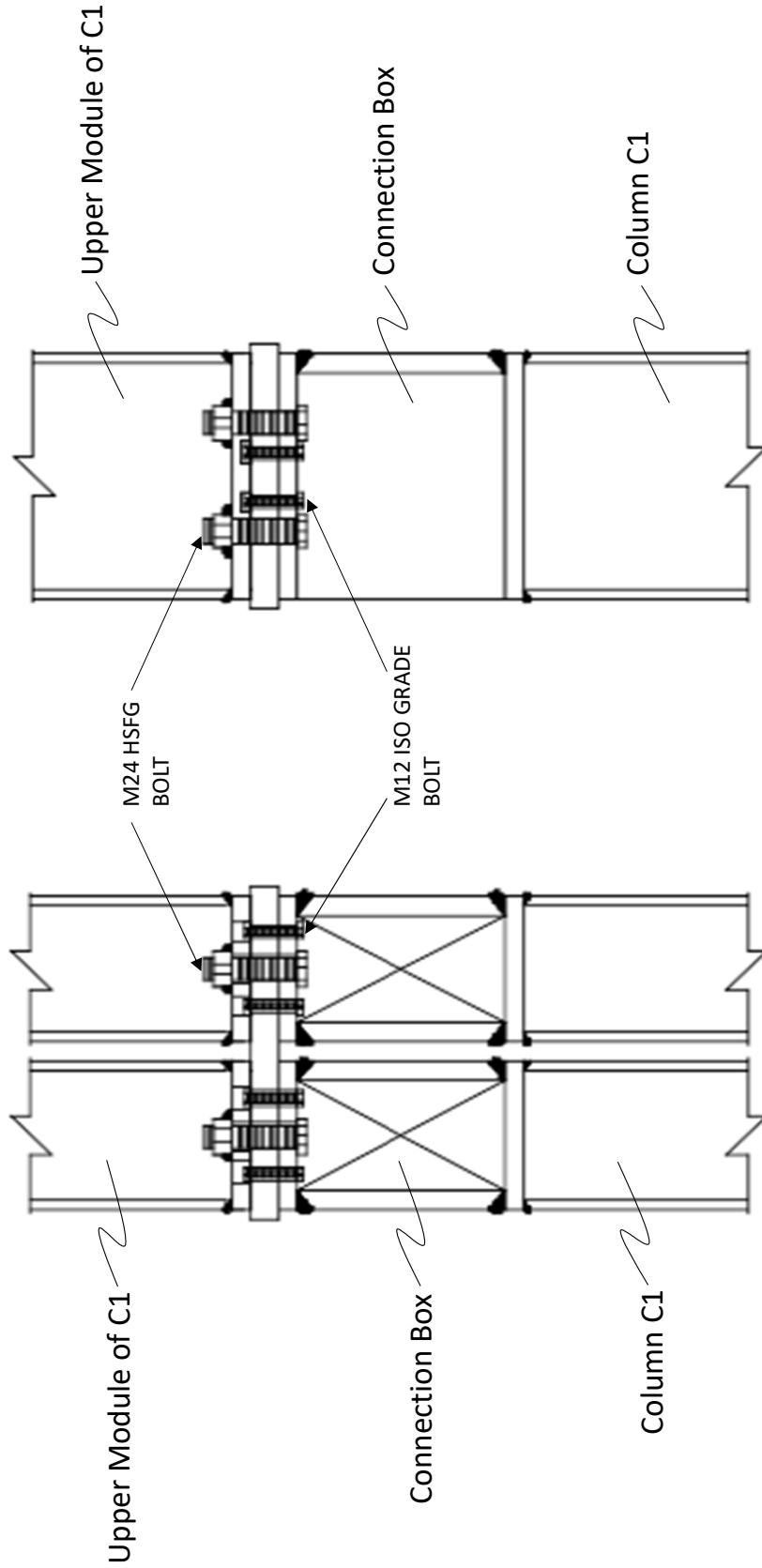


FIG. 15(c)



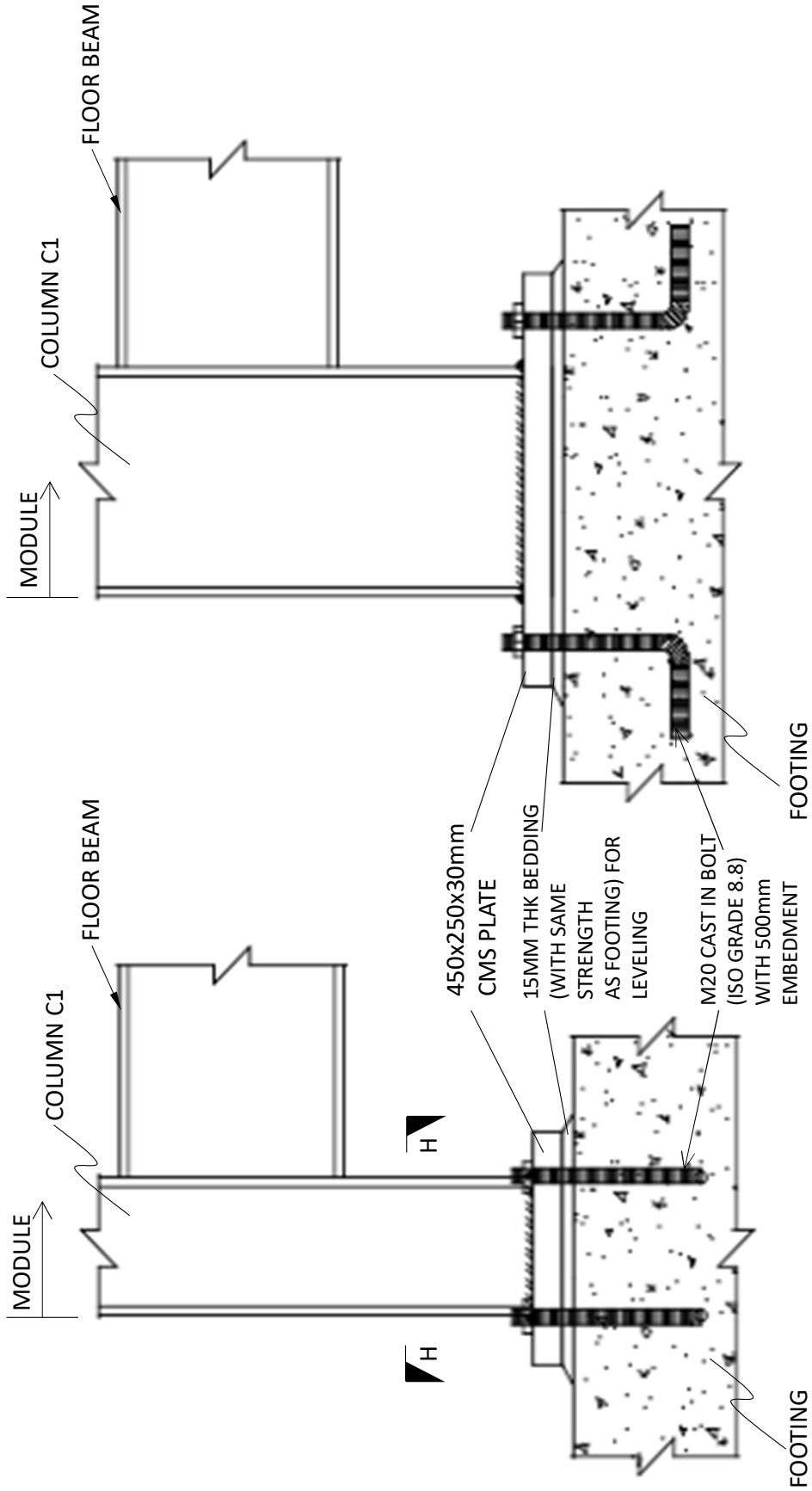
TYPE 1 COLUMN JOINT

FIG. 16



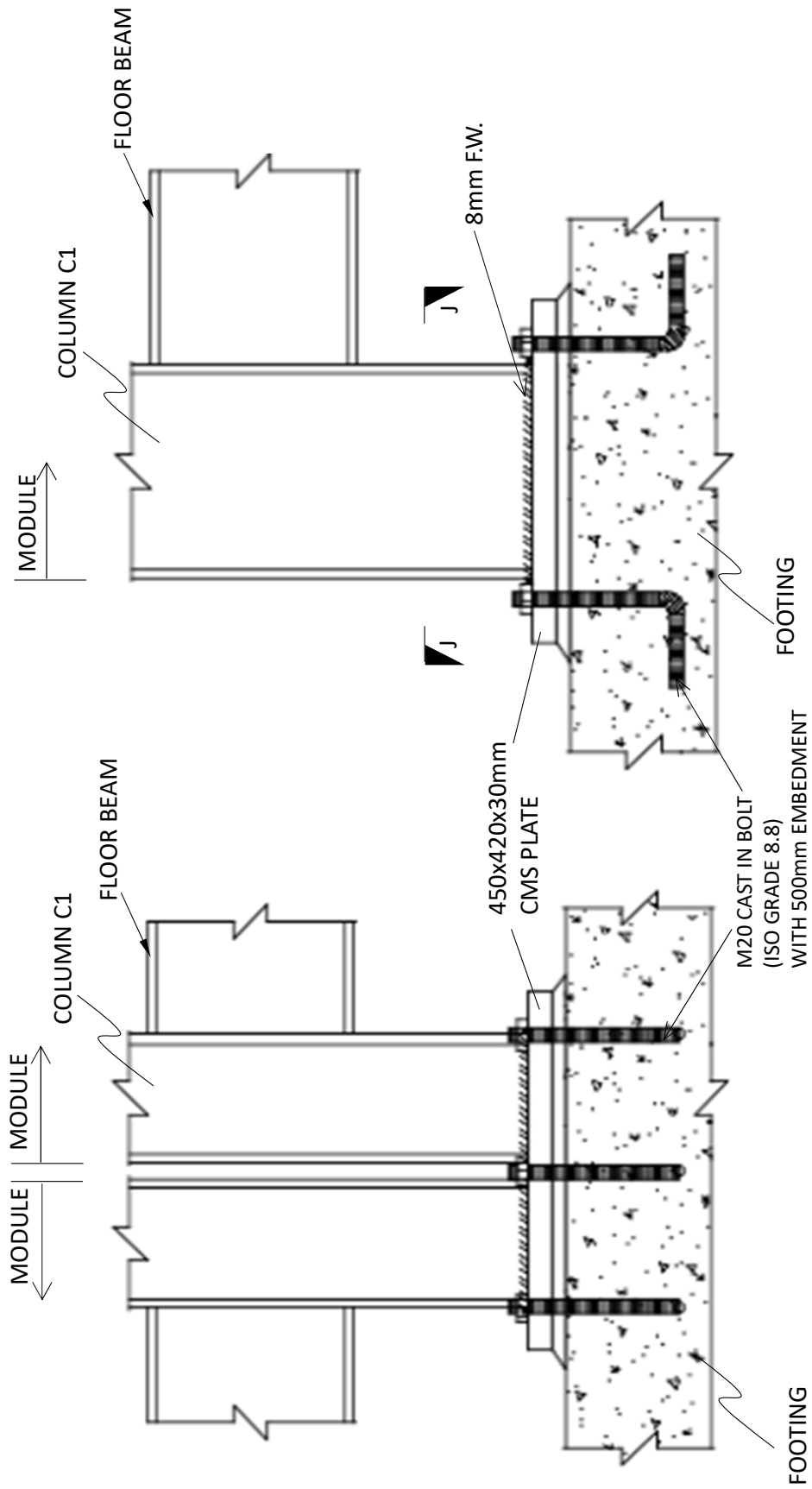
TYPE 2 COLUMN JOINT

FIG. 16(a)



BASE FIXING FOR EDGE COLUMN TO FOOTINGS

FIG. 16(b)



BASE FIXING FOR INTERIOR COLUMN TO FOOTINGS

FIG. 16(c)

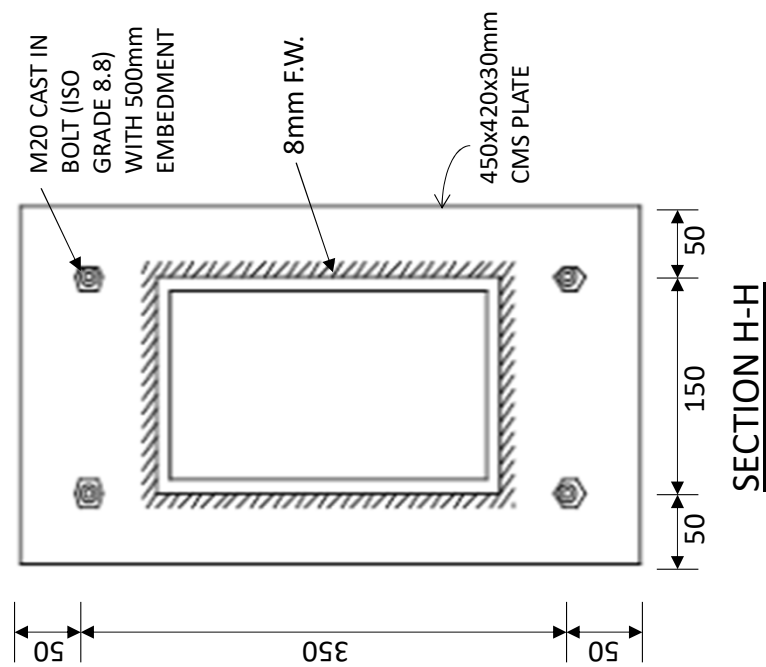
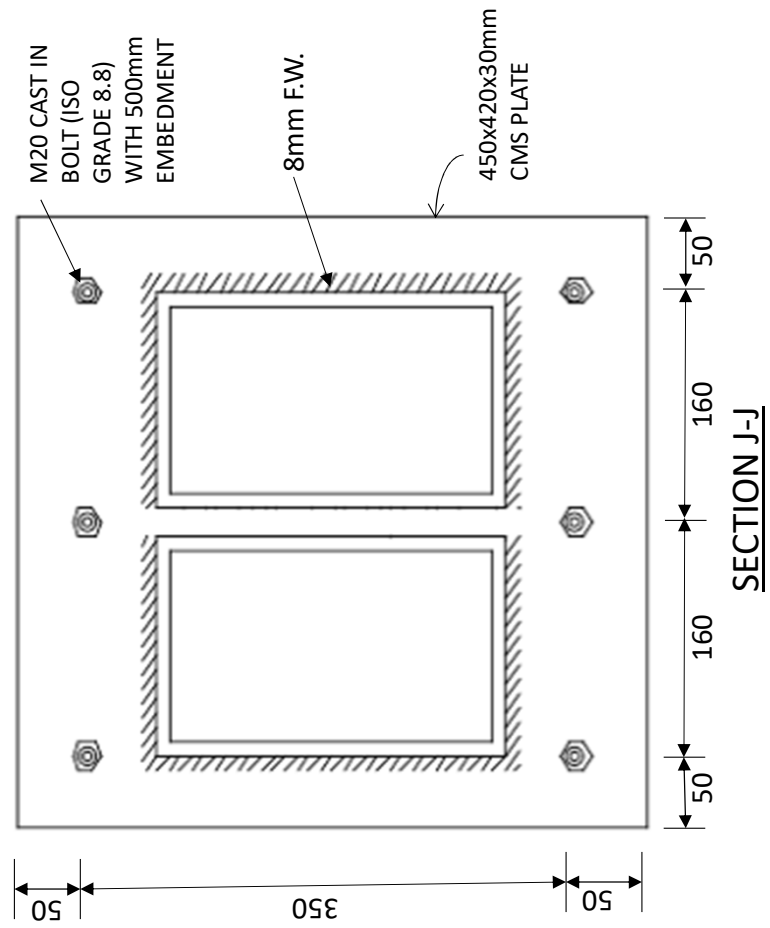


FIG. 16(d)

**FIG. 16(e)**