



FIG. 1 (Prior Art)

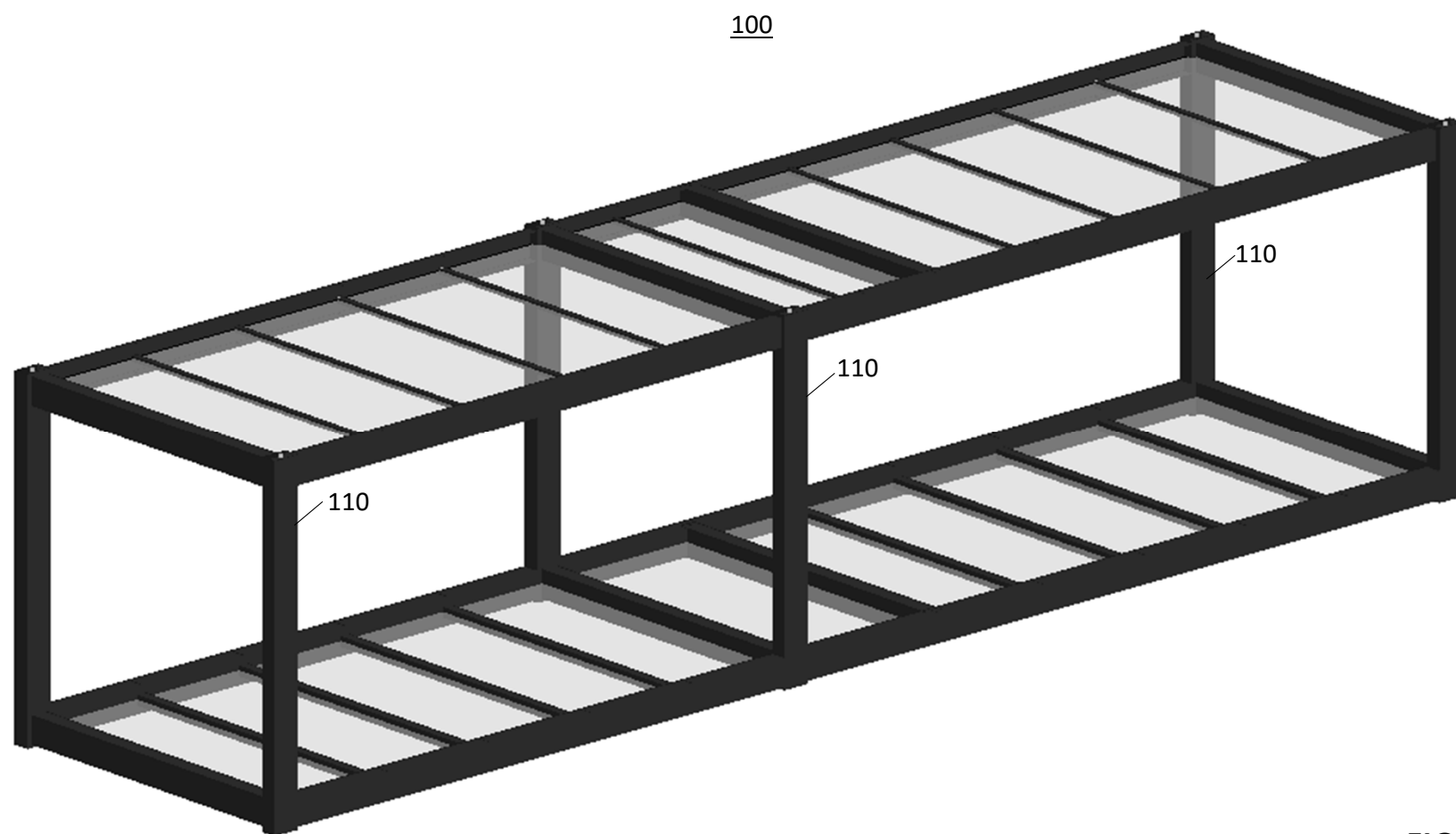


FIG. 2

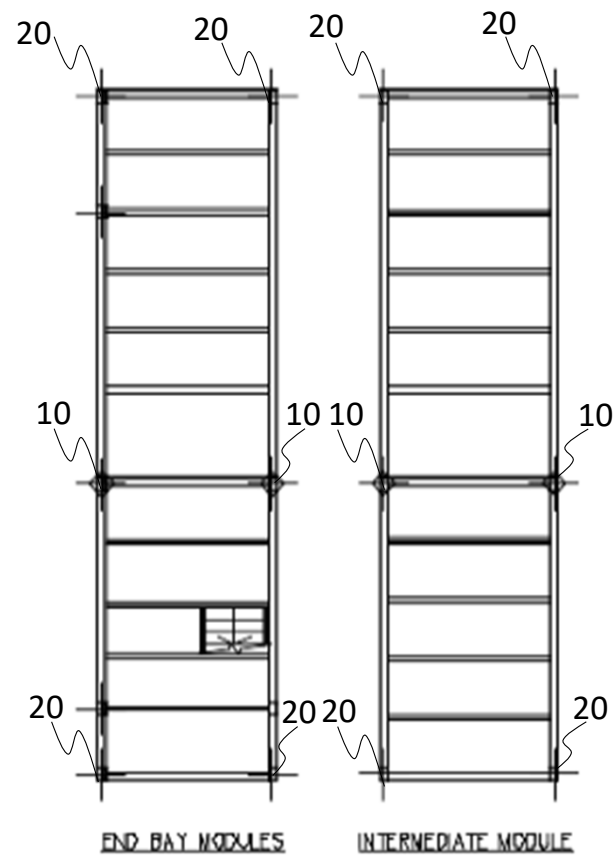


FIG. 3

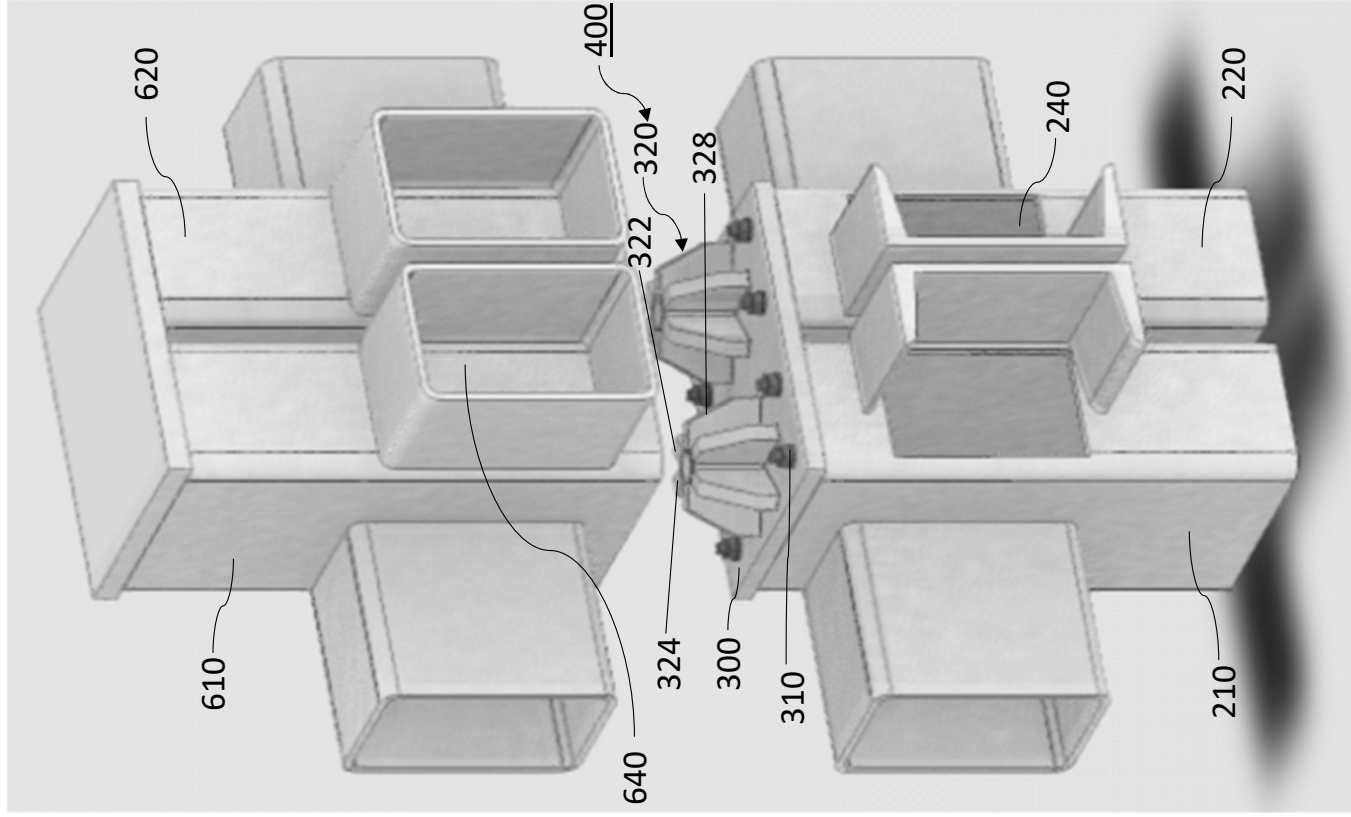


FIG. 4

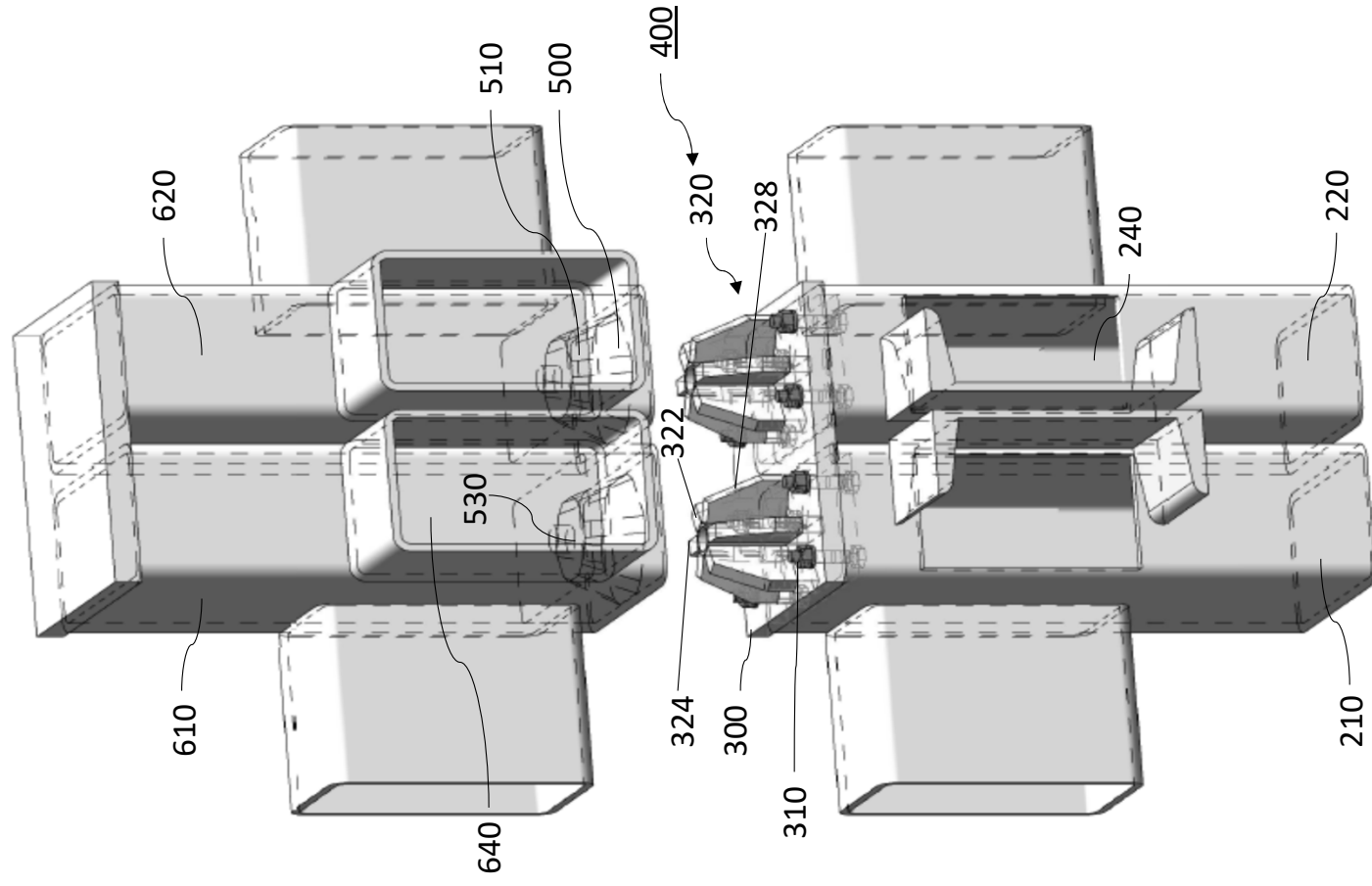


FIG. 4(a)

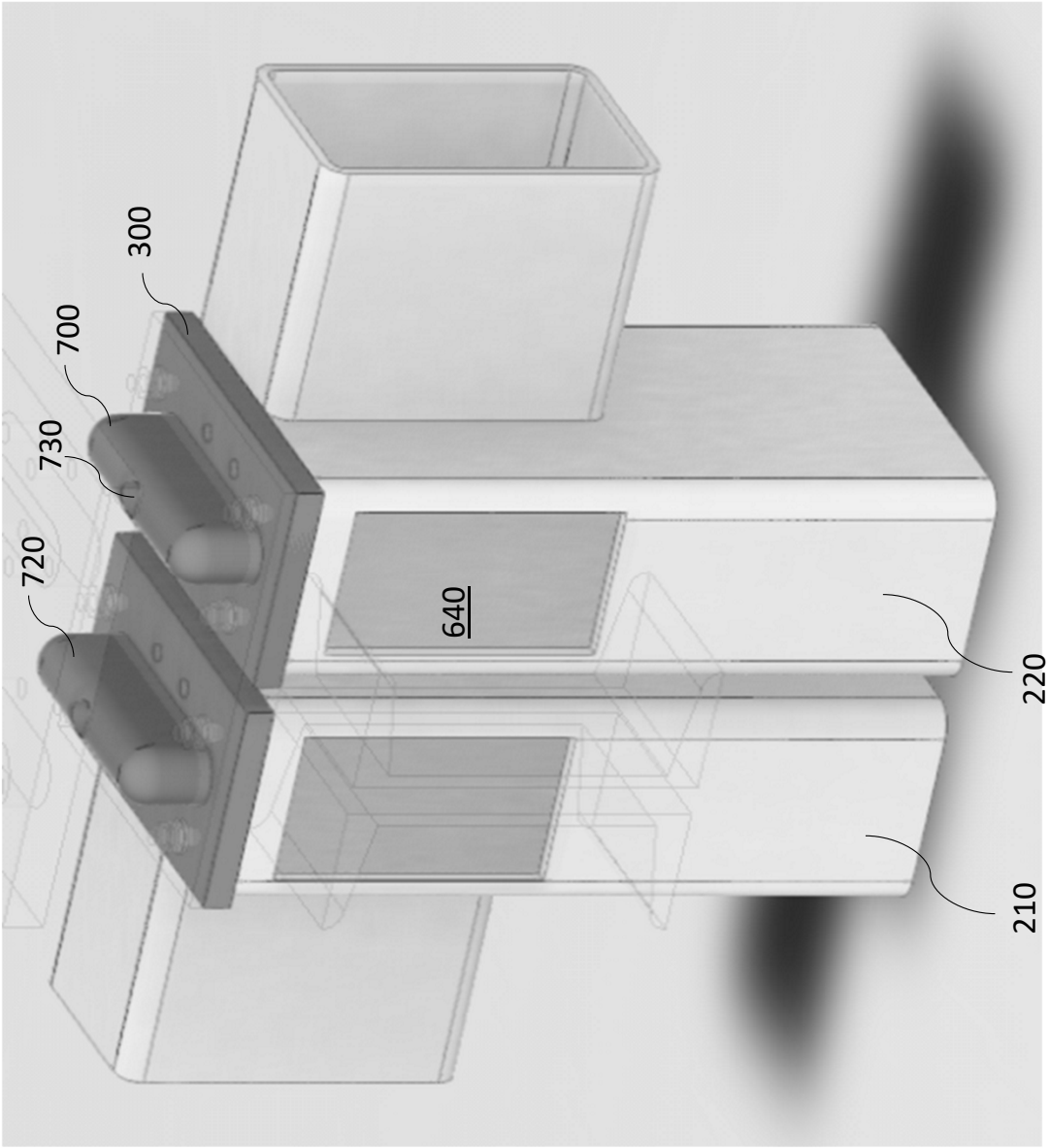


FIG. 5

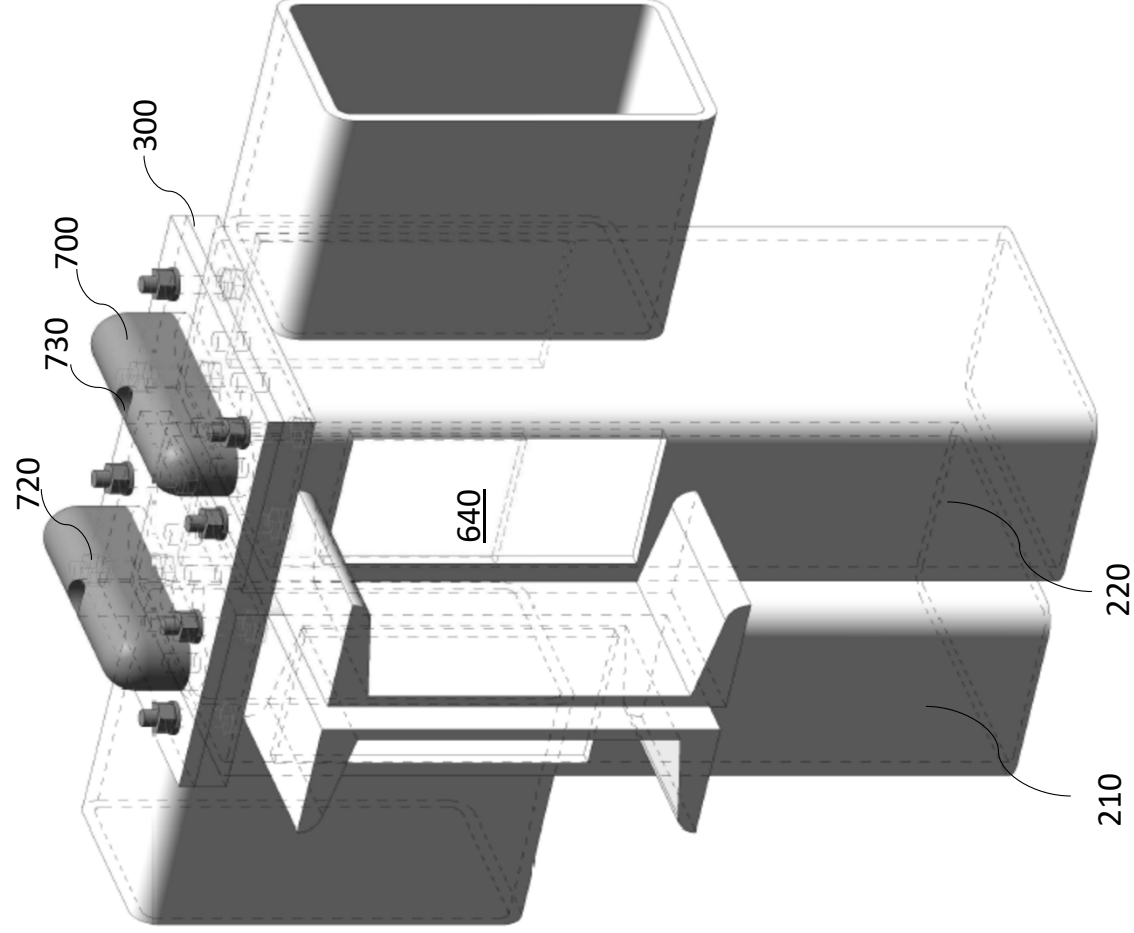


FIG. 5(a)

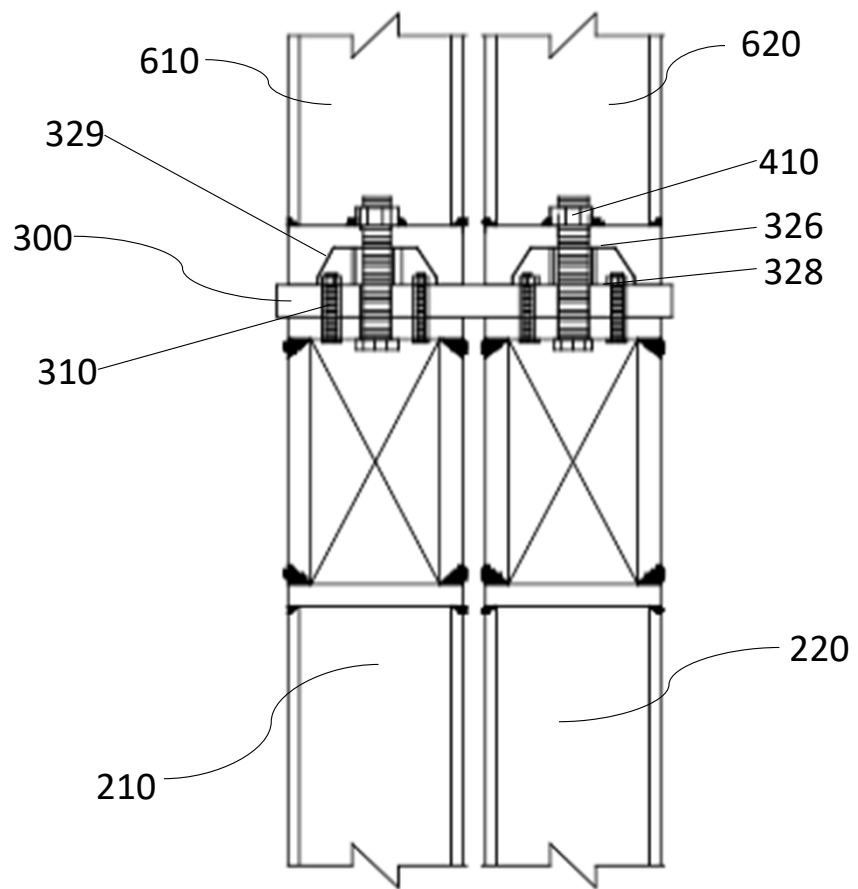


FIG. 6A

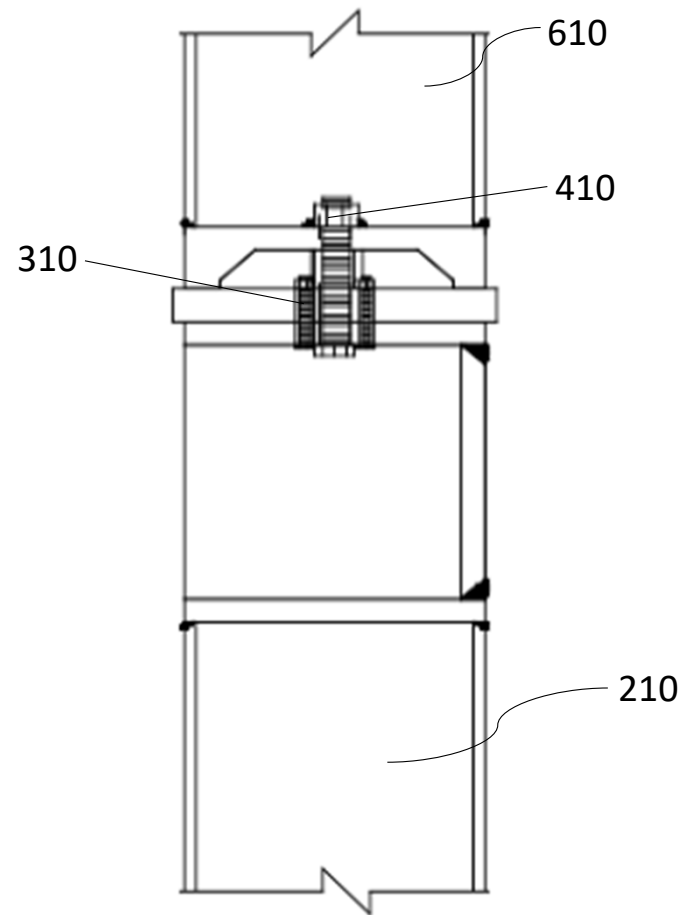


FIG. 6B

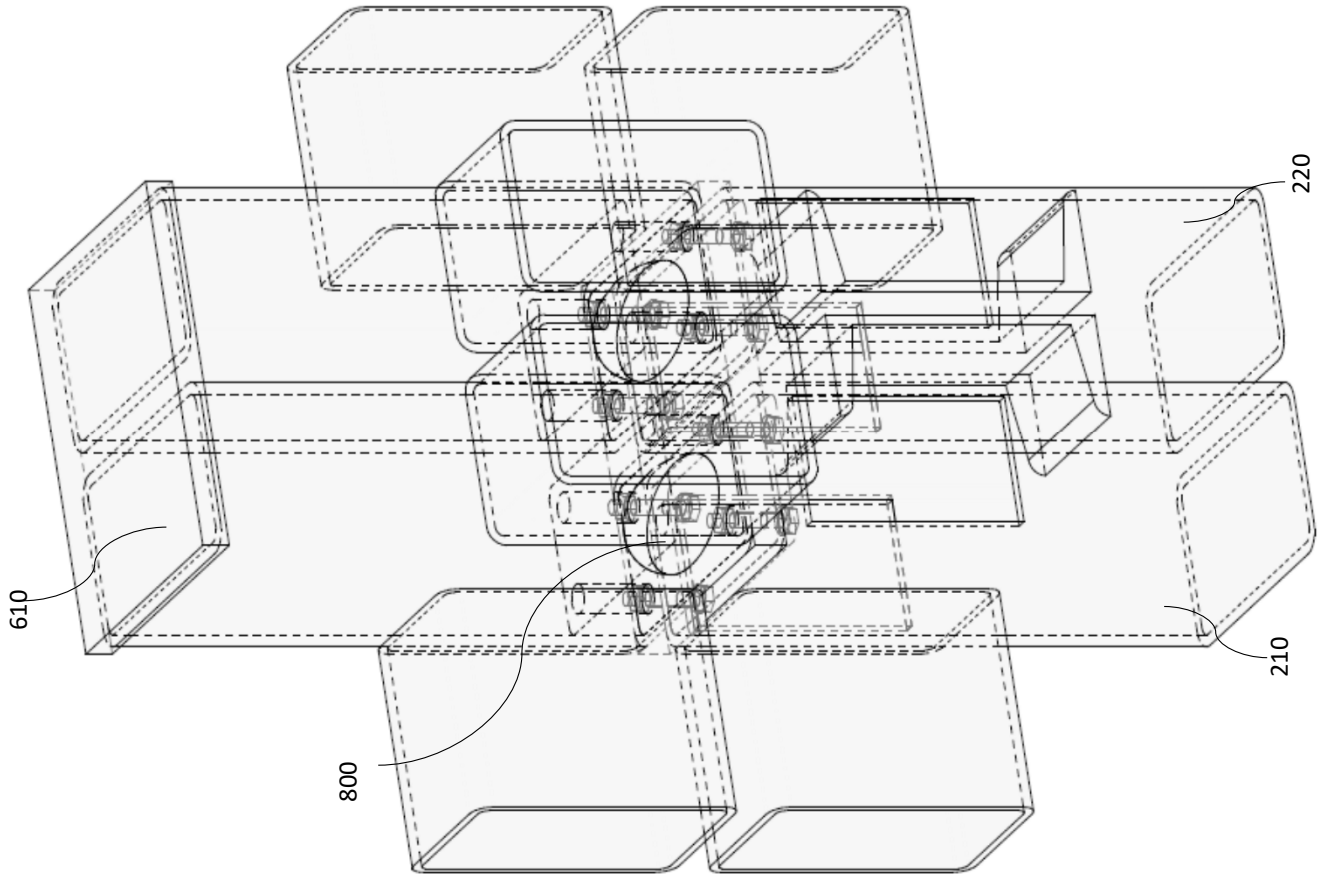


FIG. 7

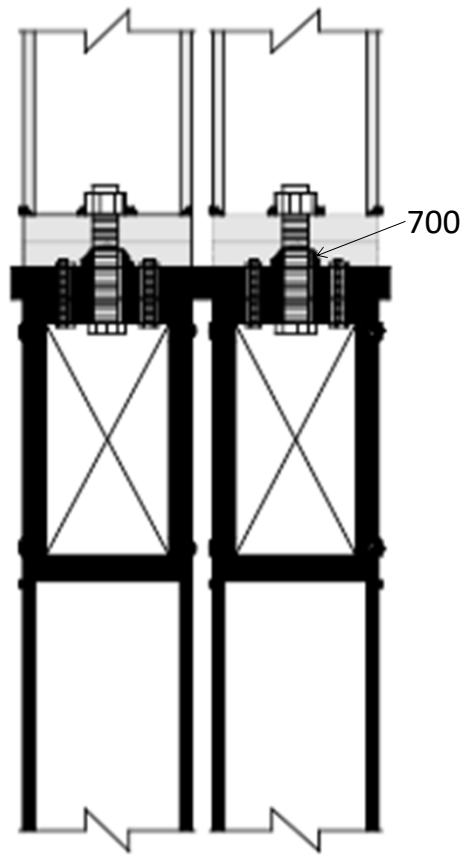


FIG. 8A

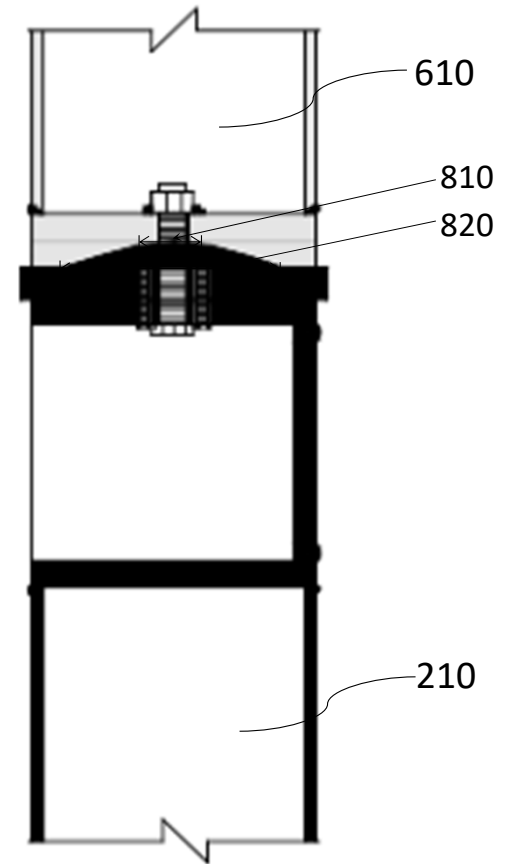


FIG. 8B

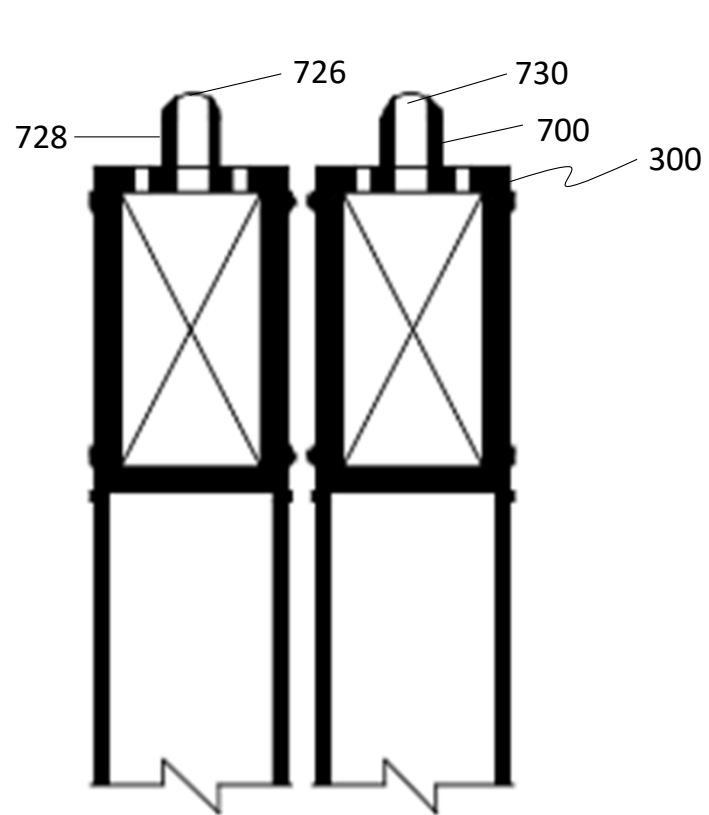


FIG. 8C

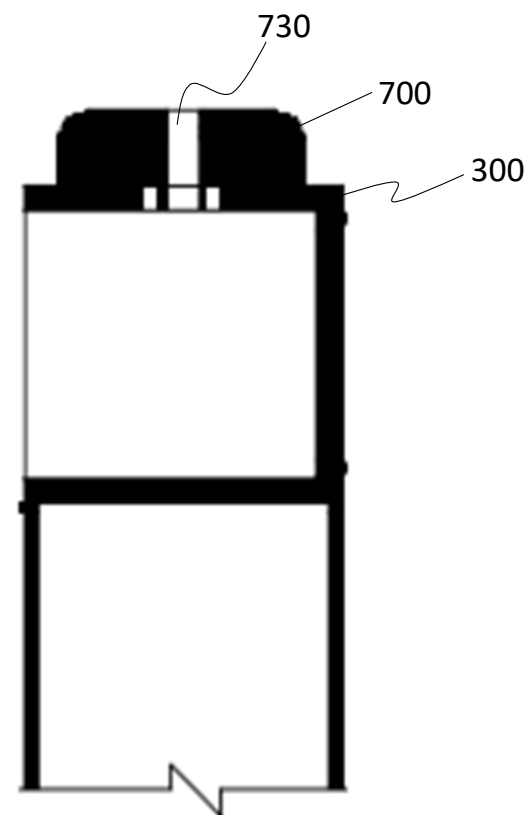


FIG. 8D

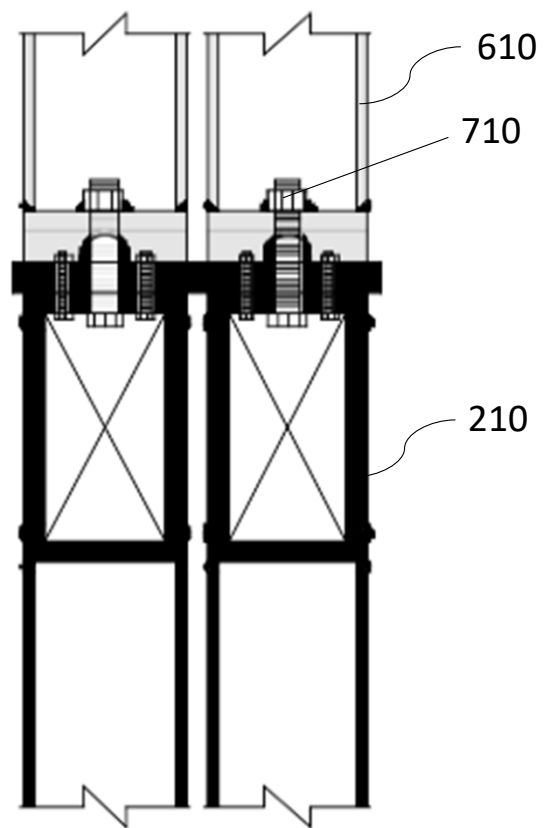


FIG. 8E

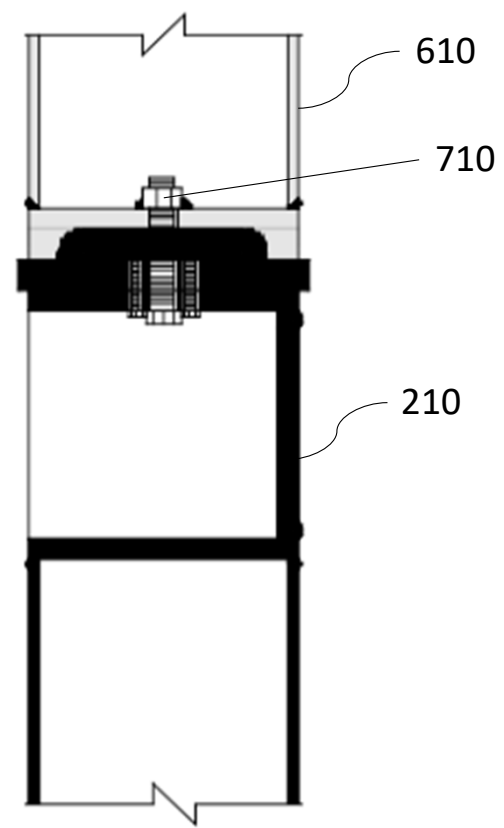


FIG. 8F

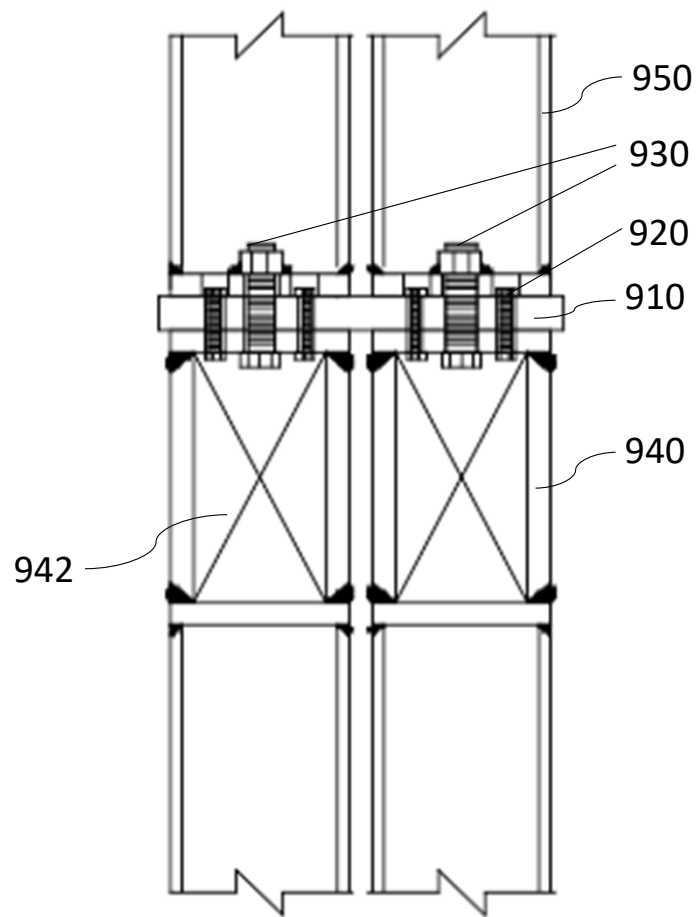


FIG. 9A

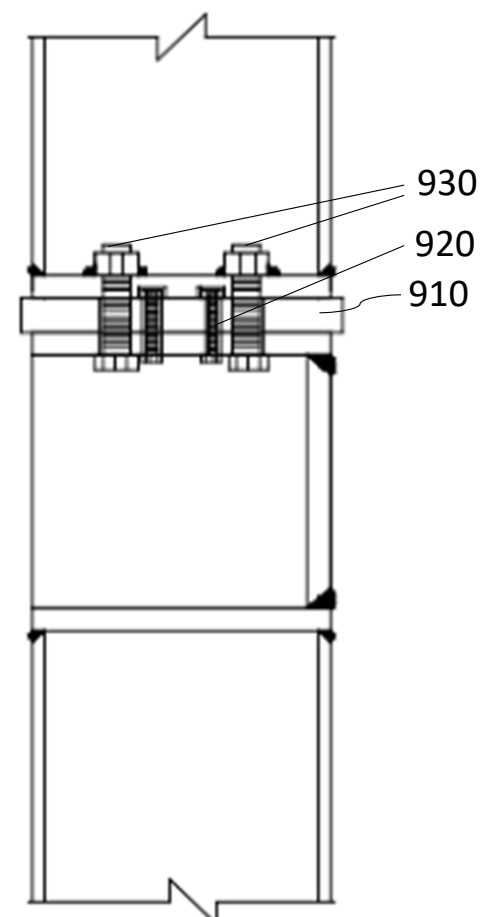


FIG. 9B

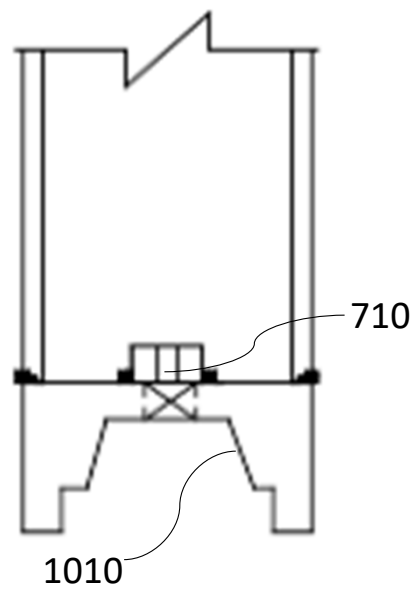


FIG. 10A

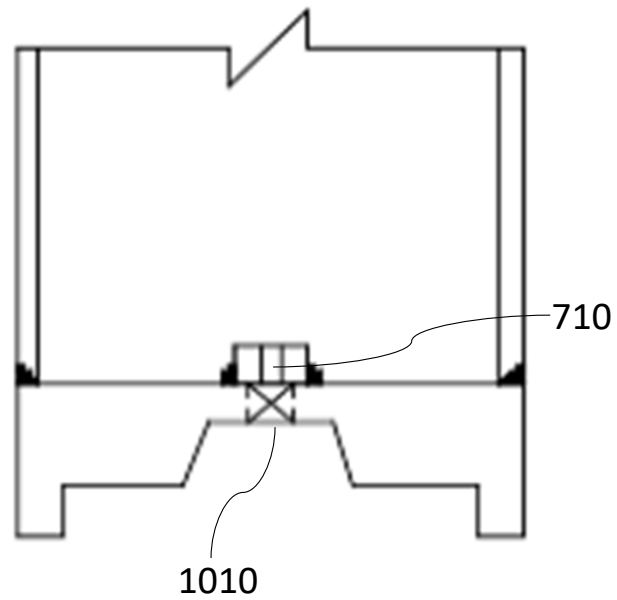
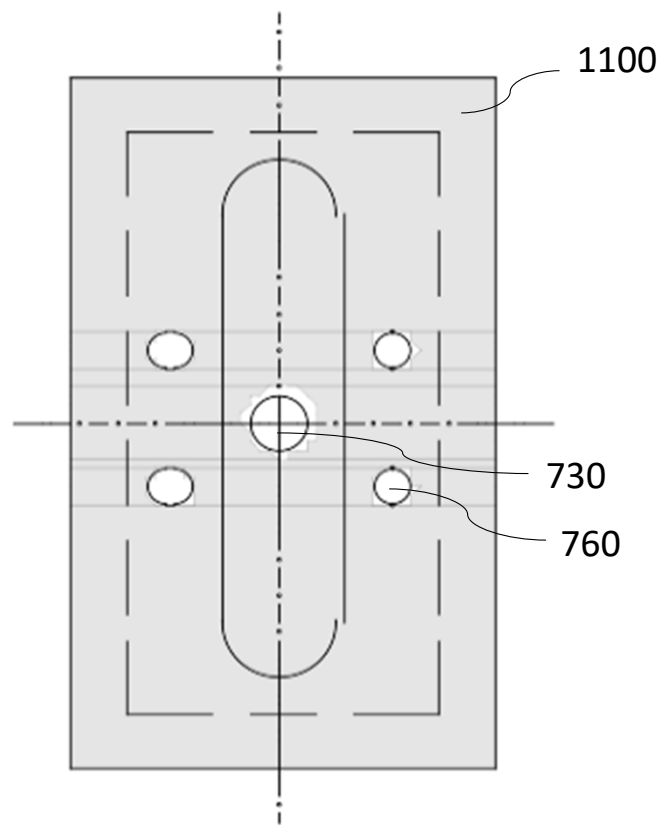
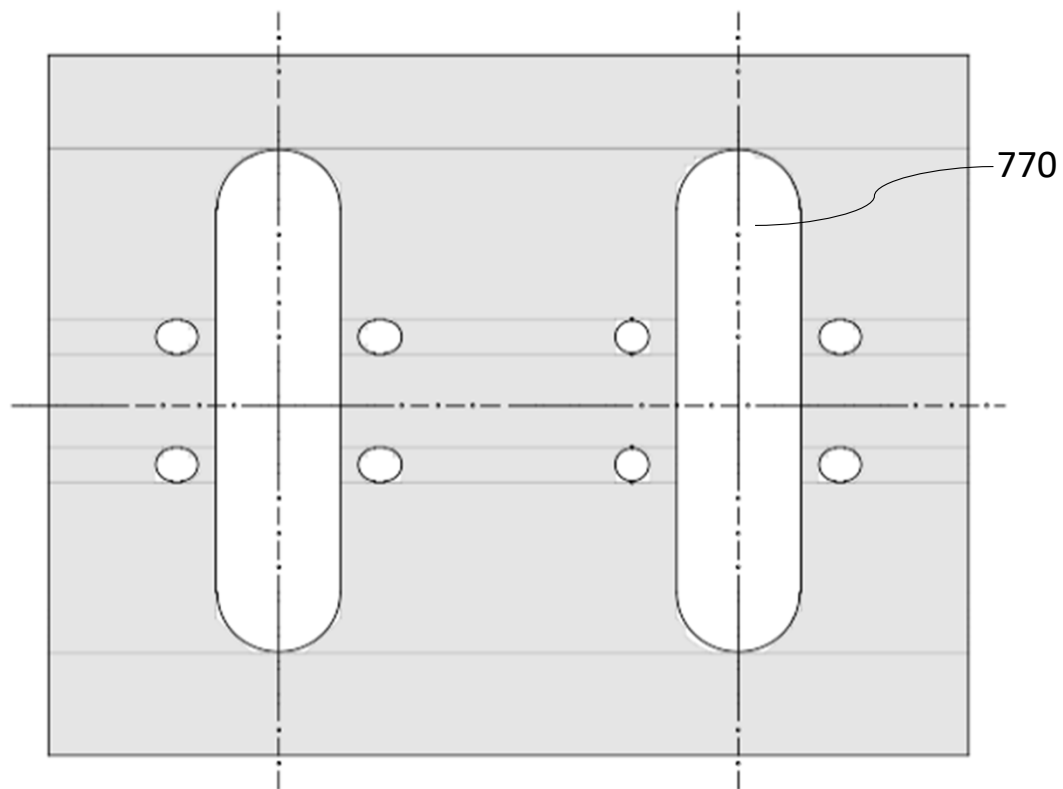


FIG. 10B



CAPPING PLATE

FIG. 11A



CONNECTING PLATE

FIG. 11B

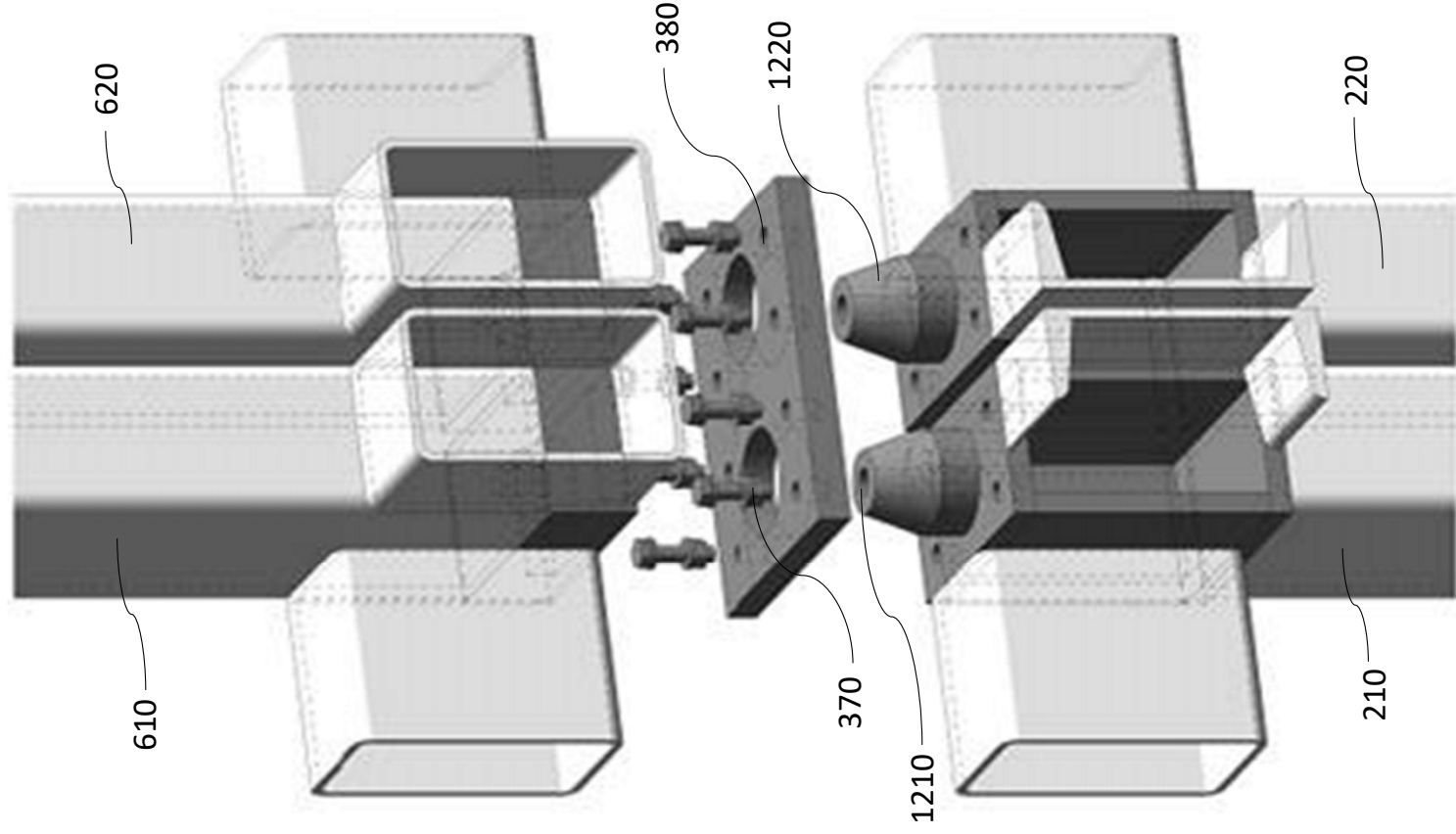


FIG. 12

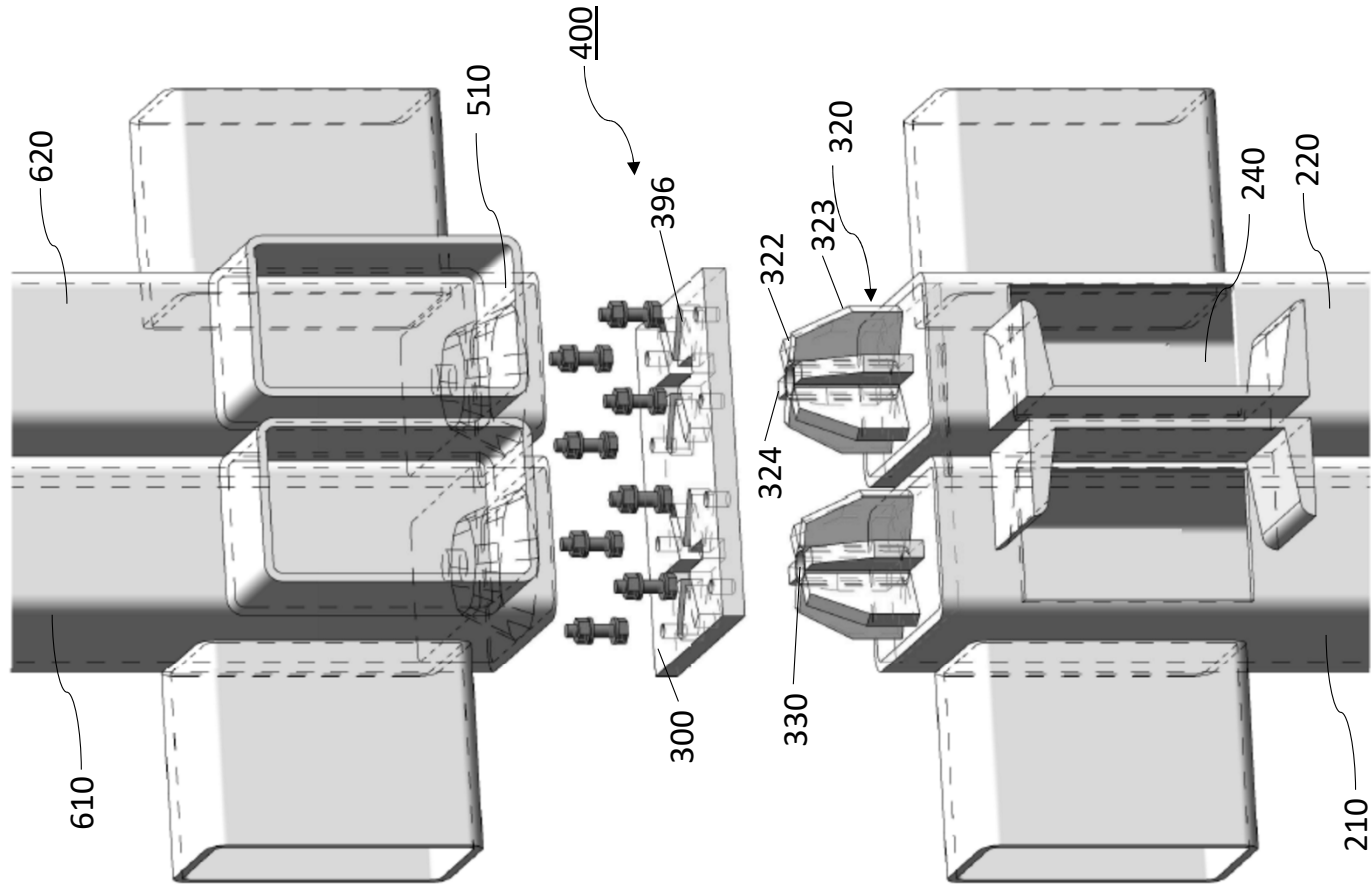


FIG. 13(a)

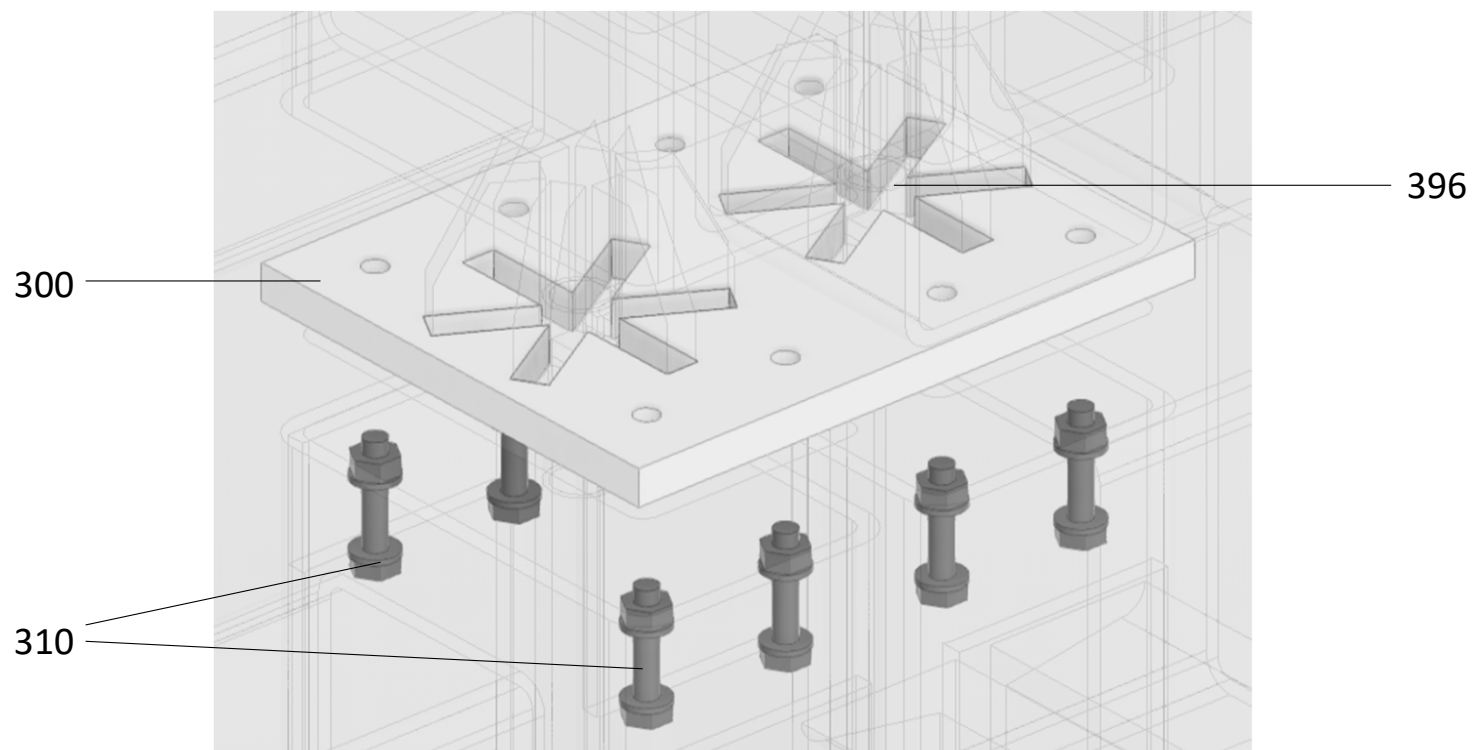
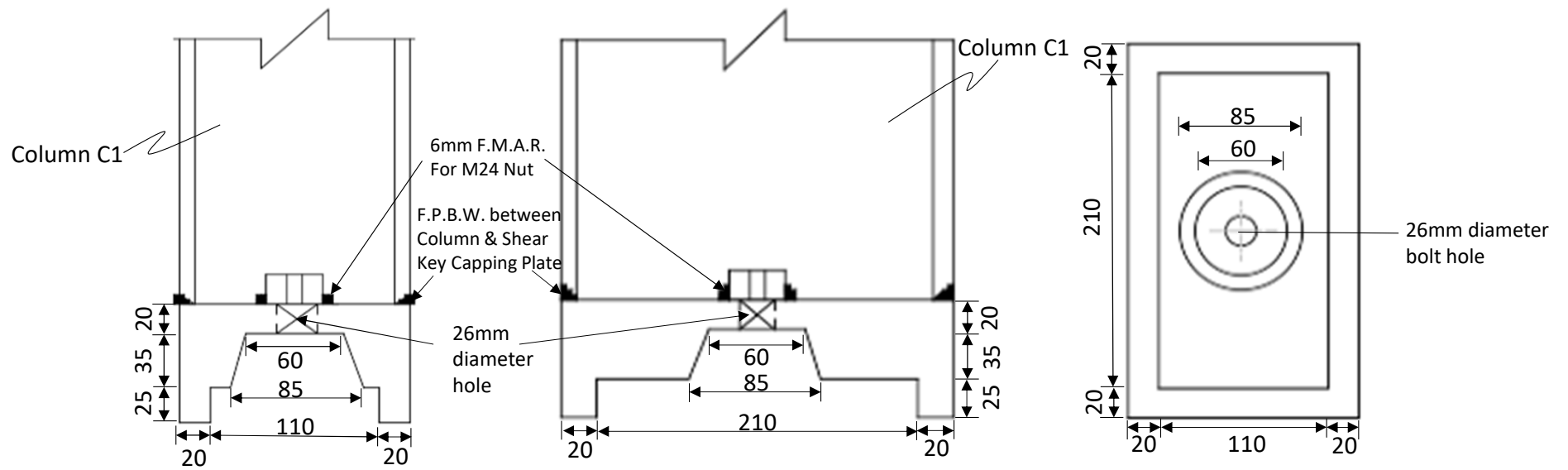


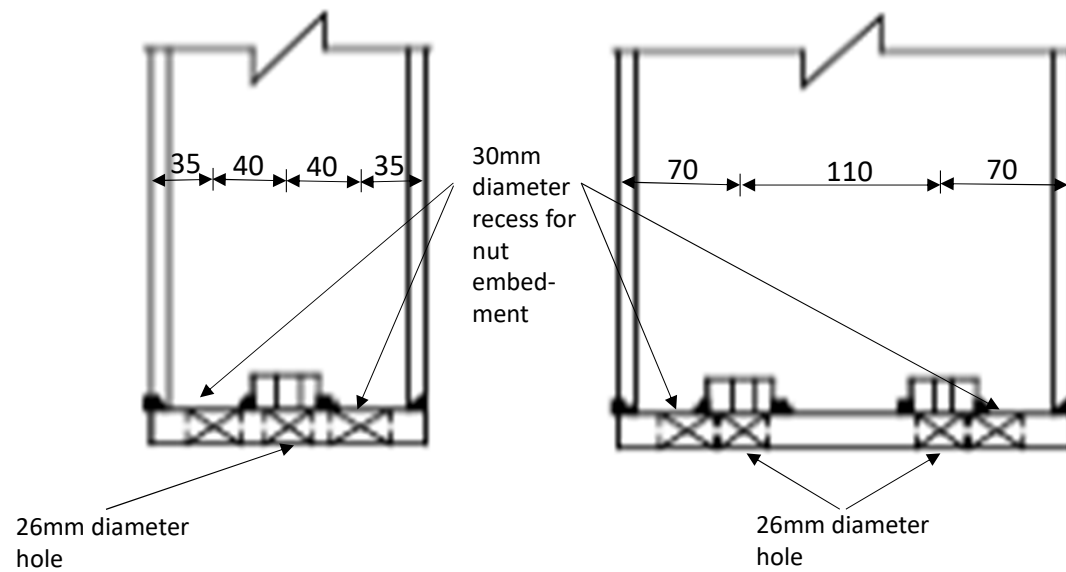
FIG. 13(b)



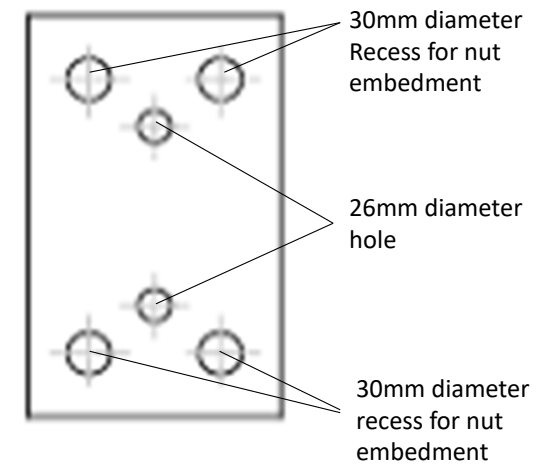
TYPE 1 COLUMN SPLICE BASE

TOP VIEW OF CAPPING PLATE

FIG. 14

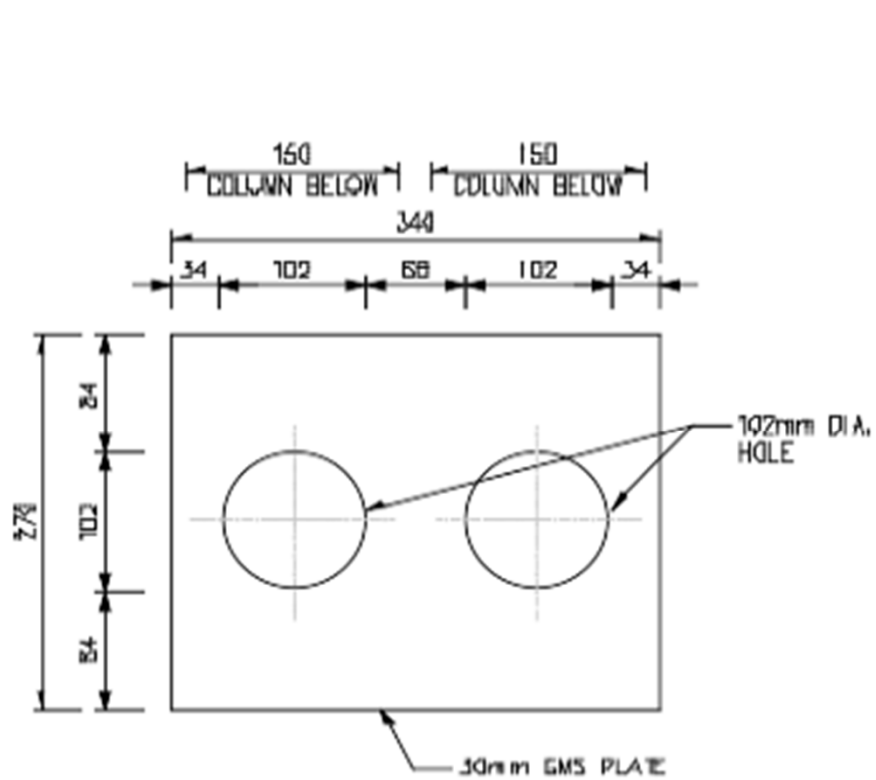


TYPE 2 COLUMN SPLICE BASE

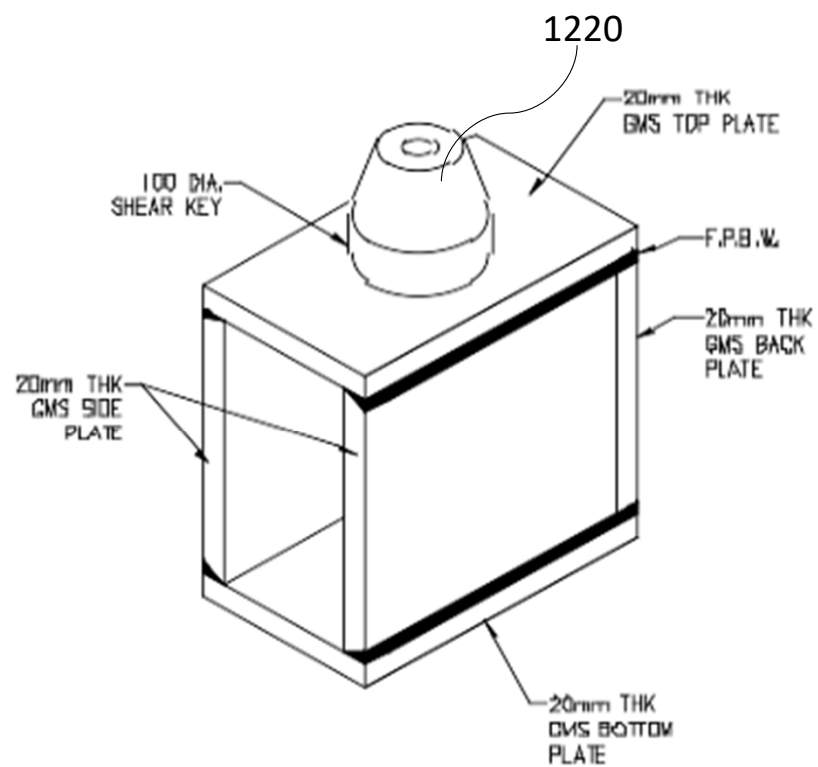


PLANE VIEW OF COLUMN END PLATE

FIG. 14(a)

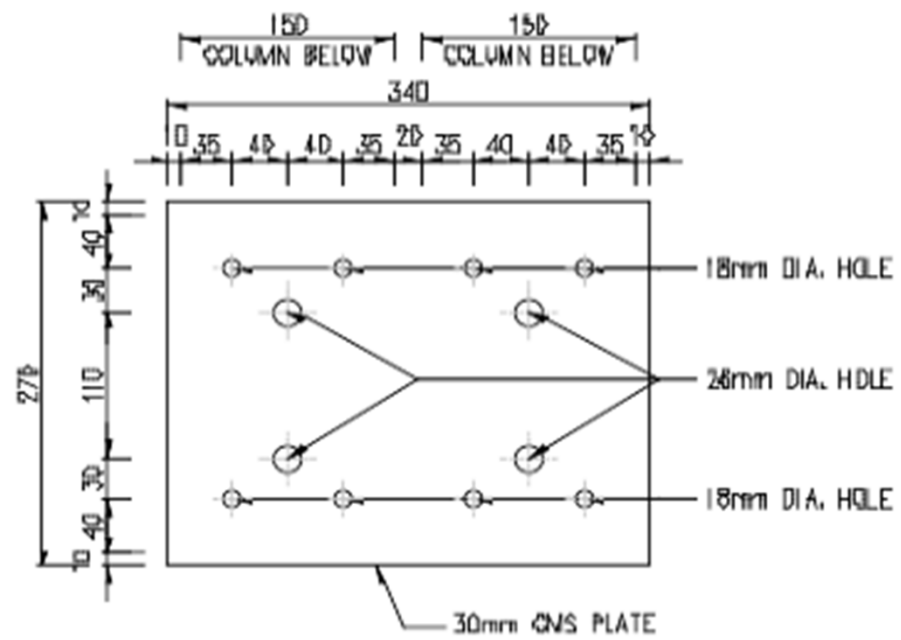


CONNECTING PLATE



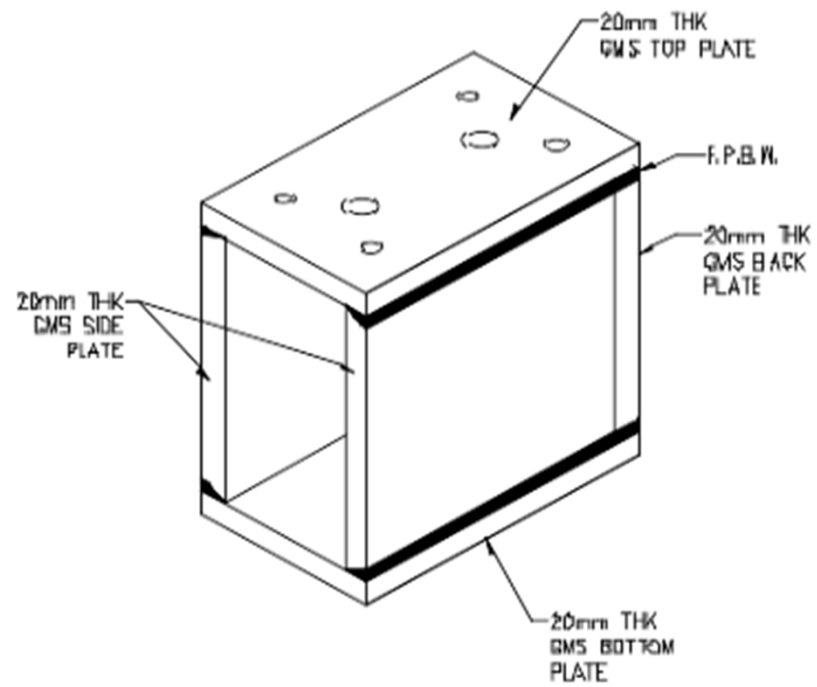
ISOMETRIC VIEW OF CONNECTION
BOX FOR TYPE 1 COLUMN SPLICE

FIG. 14(b)



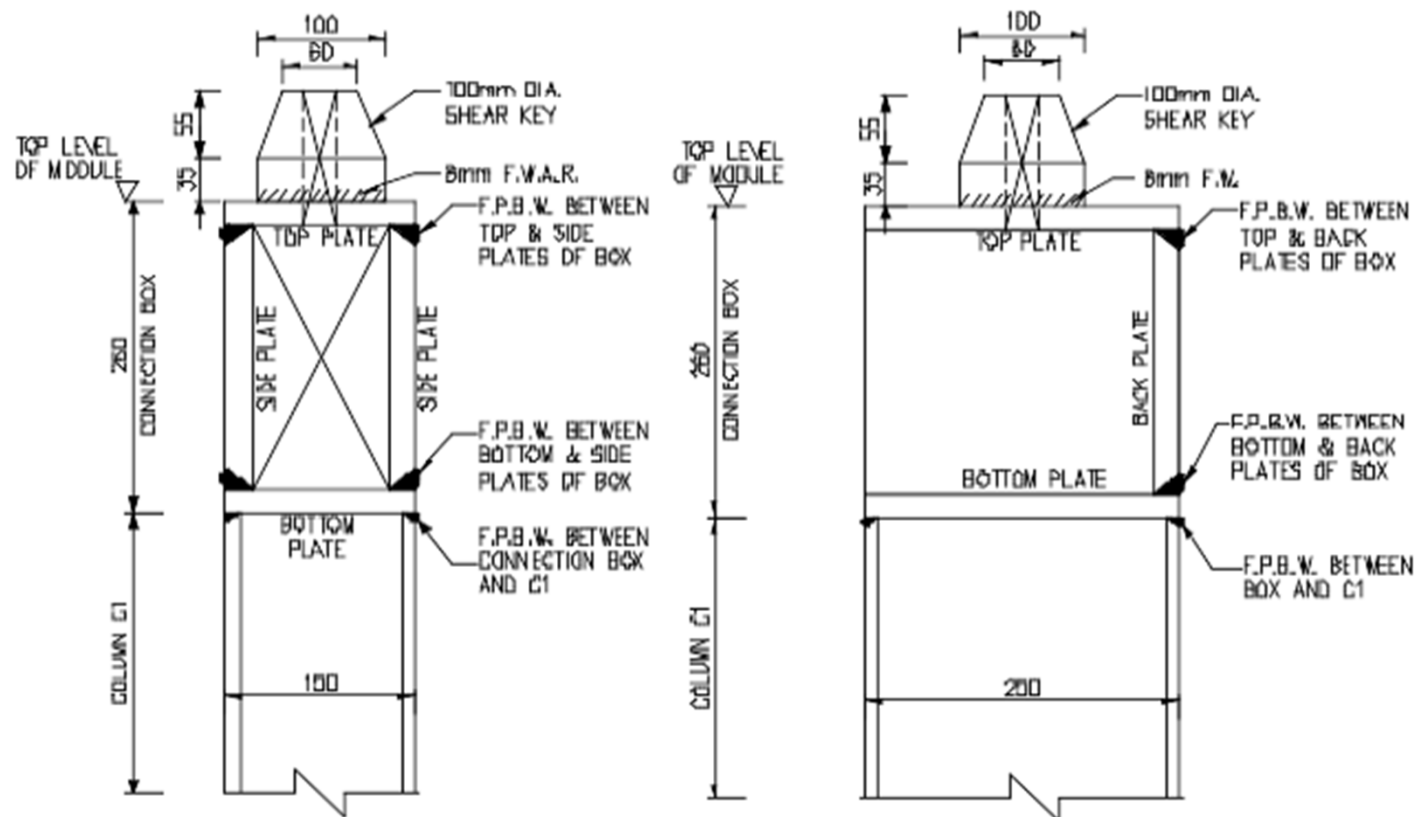
CONNECTING PLATE

FIG. 14(c)



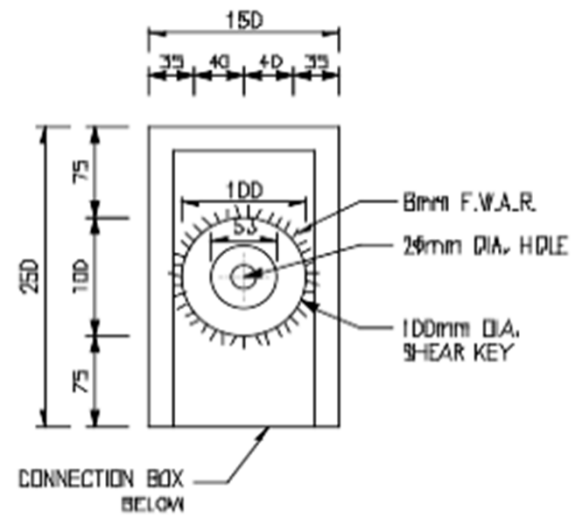
ISOMETRIC VIEW OF CONNECTION
BOX FOR TYPE 2 COLUMN SPLICE

FIG. 14(d)



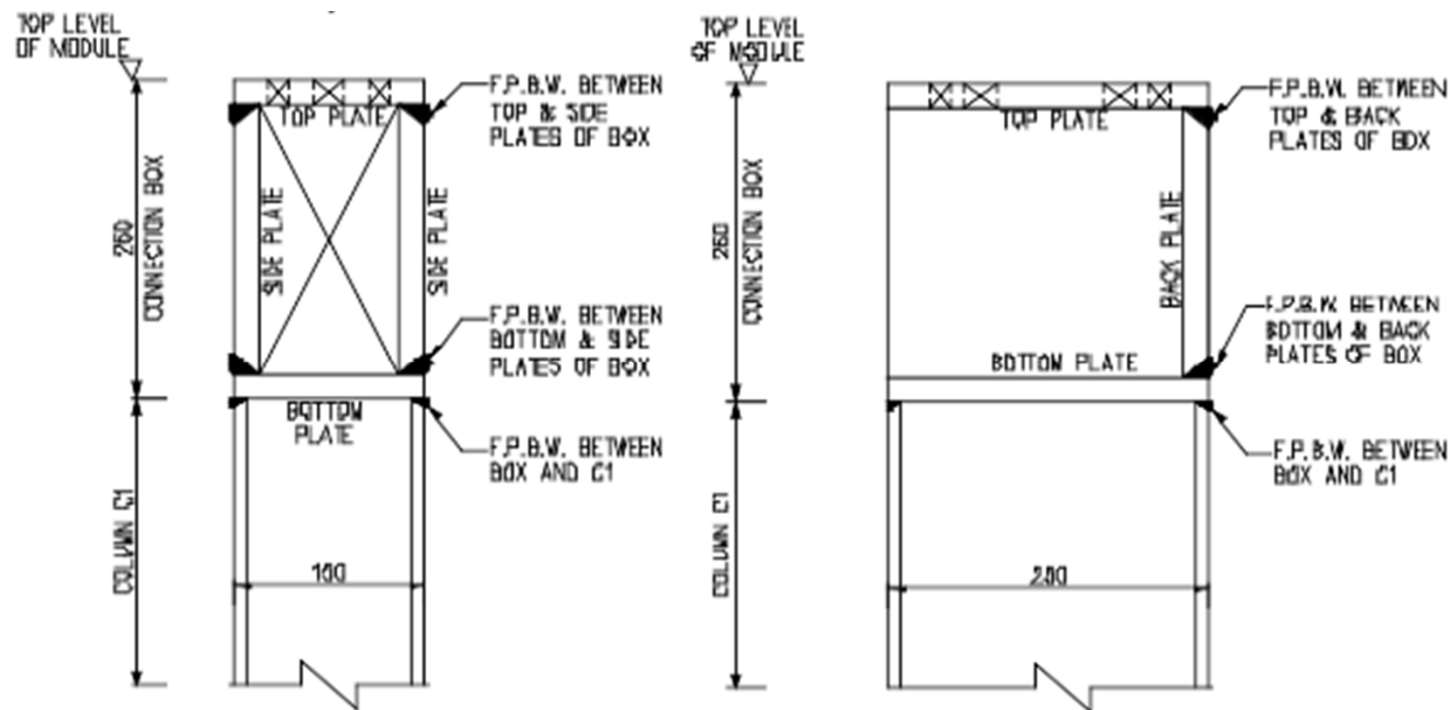
TYPE 1 COLUMN SPLICE

FIG. 14(e)



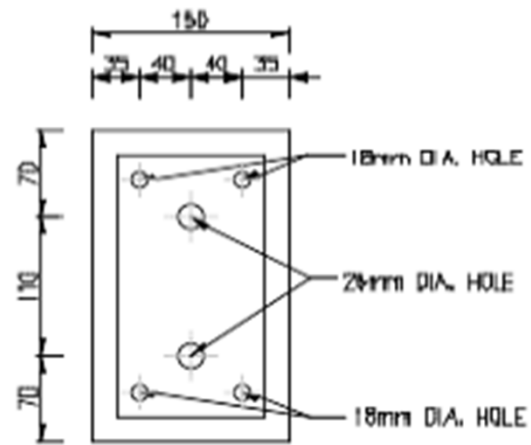
TOP VIEW OF CONNECTION BOX
TOP PLATE

FIG. 14(f)



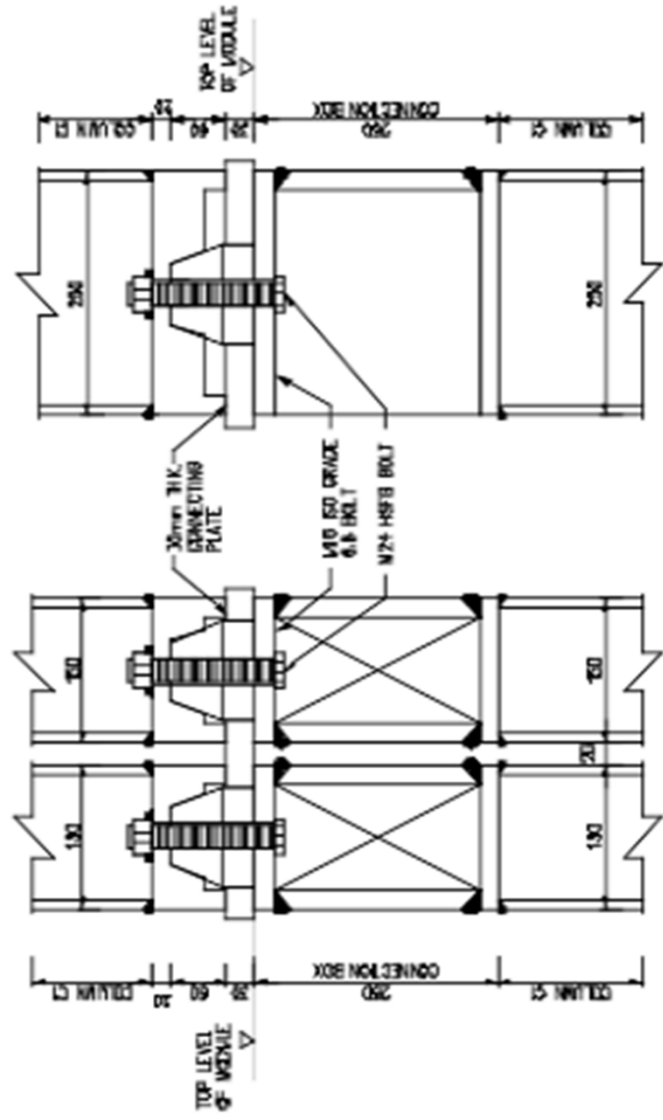
TYPE 2 COLUMN SPLICE

FIG. 14(g)

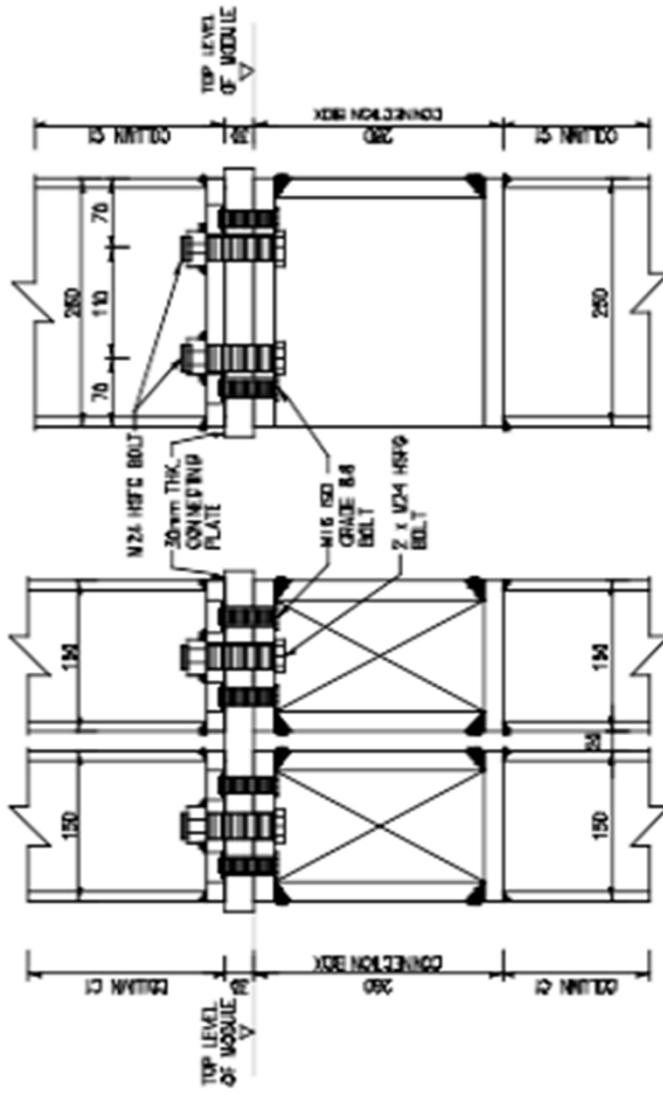


TOP VIEW OF CONNECTION BOX
TOP PLATE

FIG. 14(h)

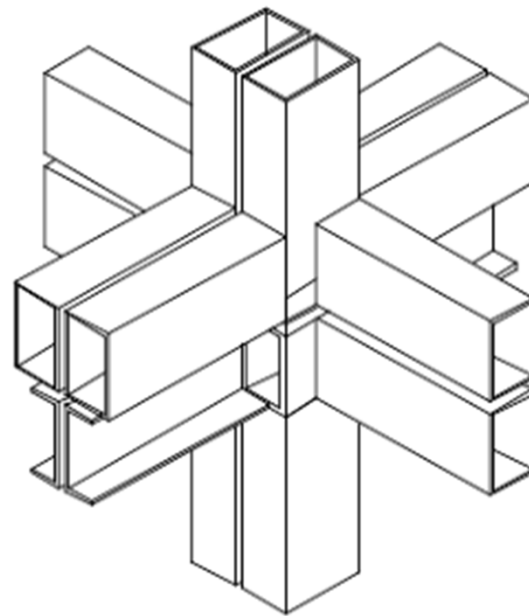


TYPE 1 COLUMN SPLICE

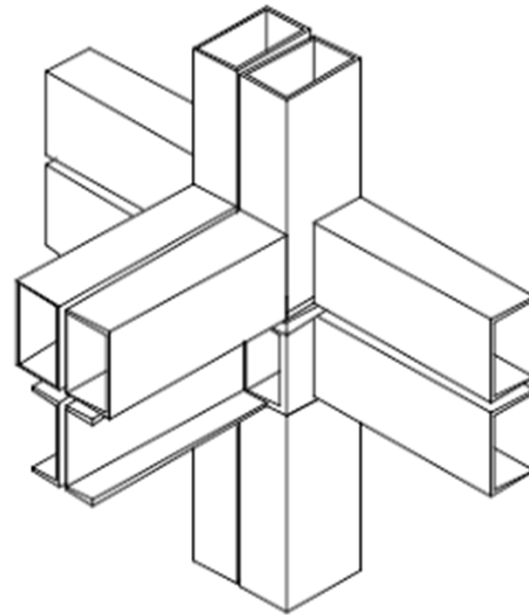


TYPE 2 COLUMN SPLICE

FIG. 15



ISOMETRIC VIEW OF
TYPE 1 COLUMN SPLICE JOINT



ISOMETRIC VIEW OF
TYPE 2 COLUMN SPLICE JOINT

FIG. 15(a)

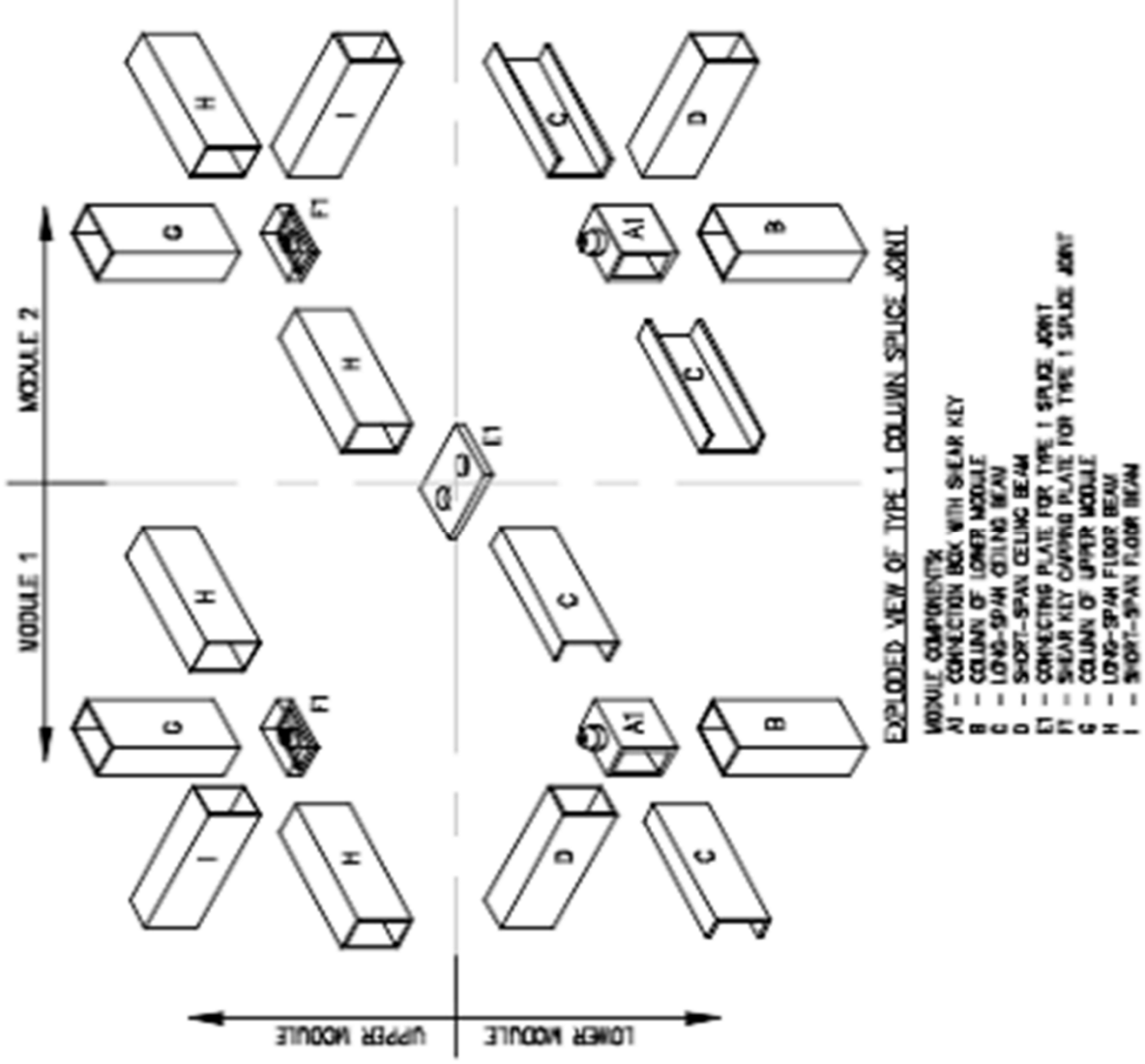


FIG. 15(b)

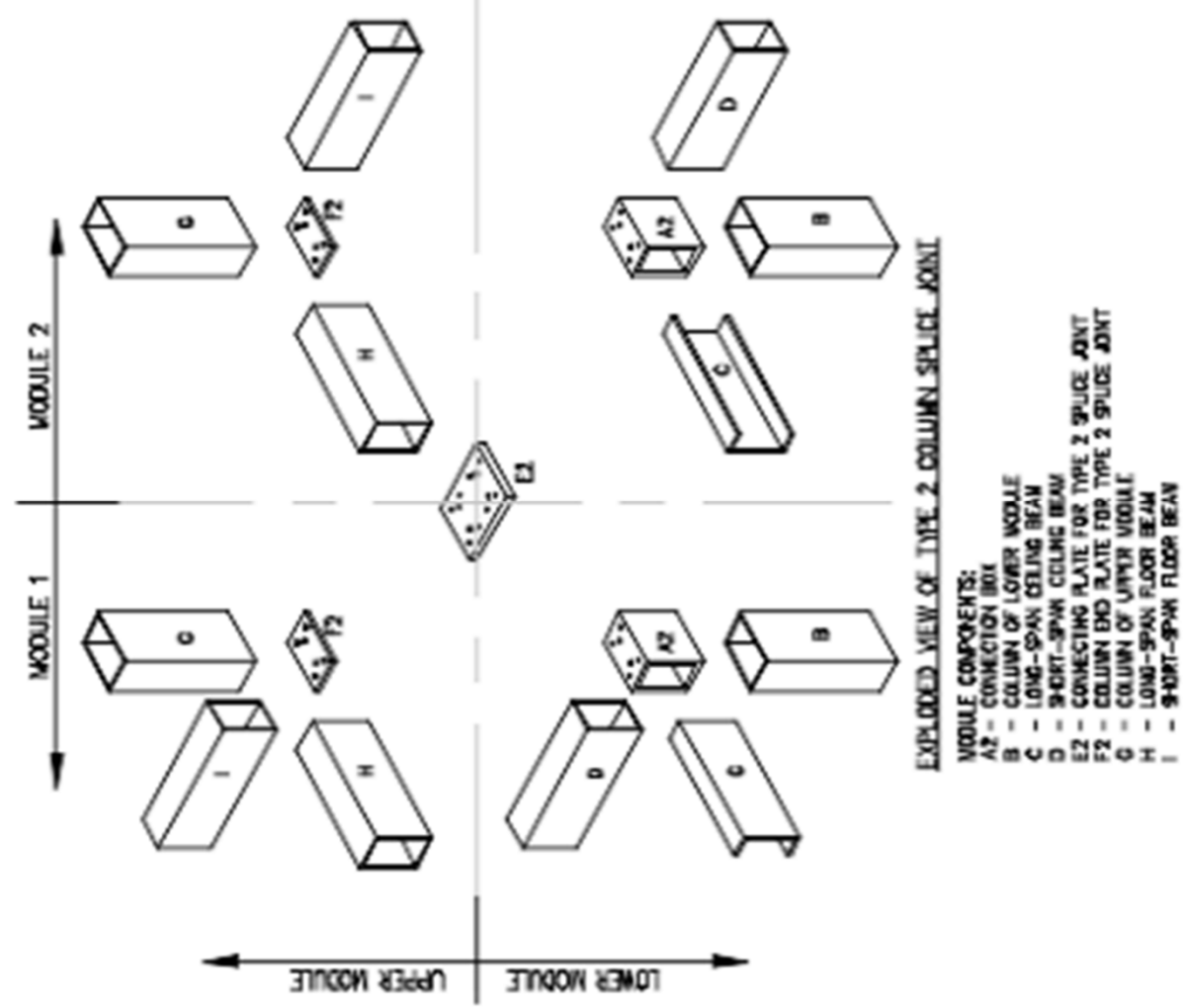
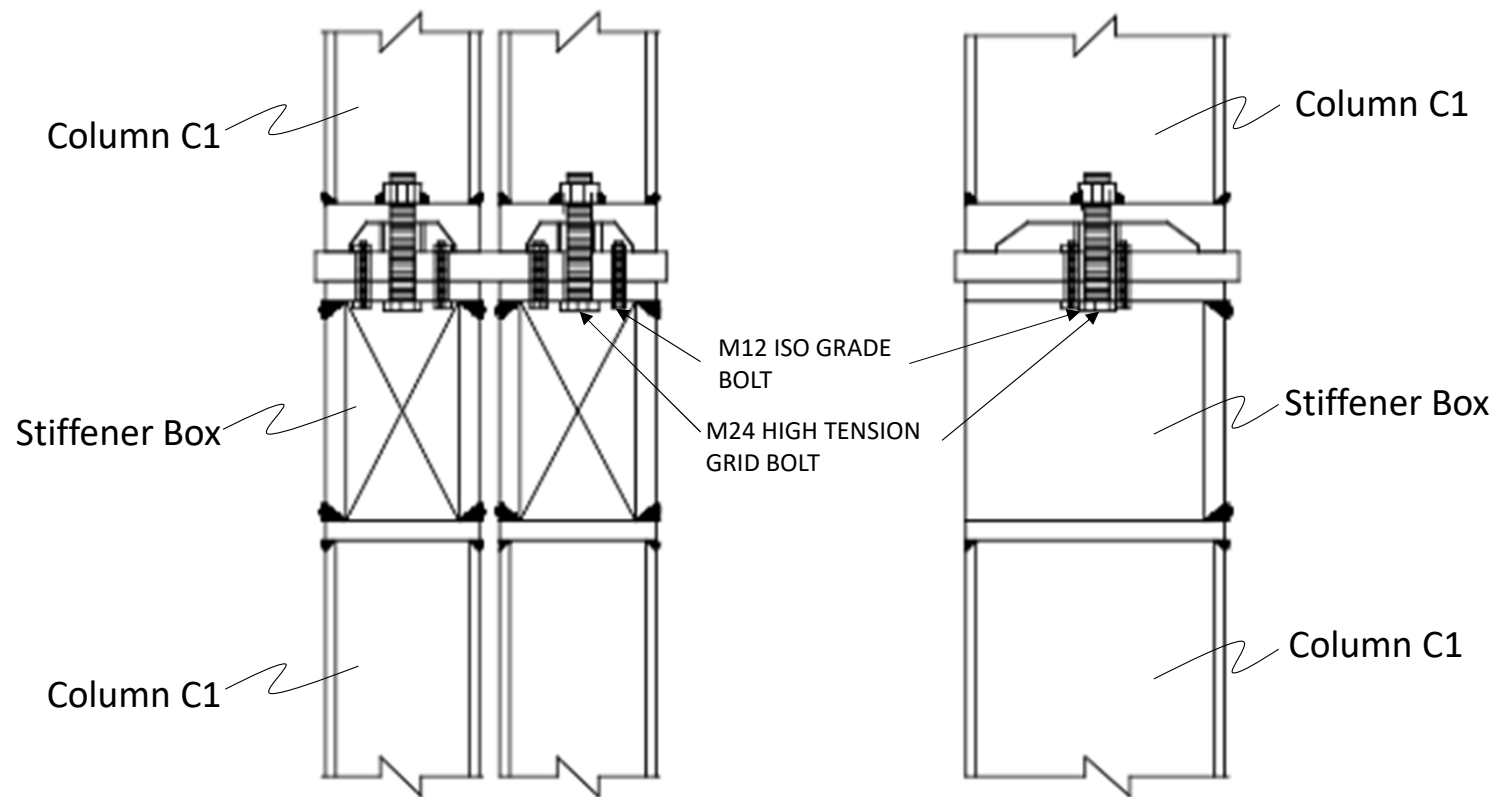
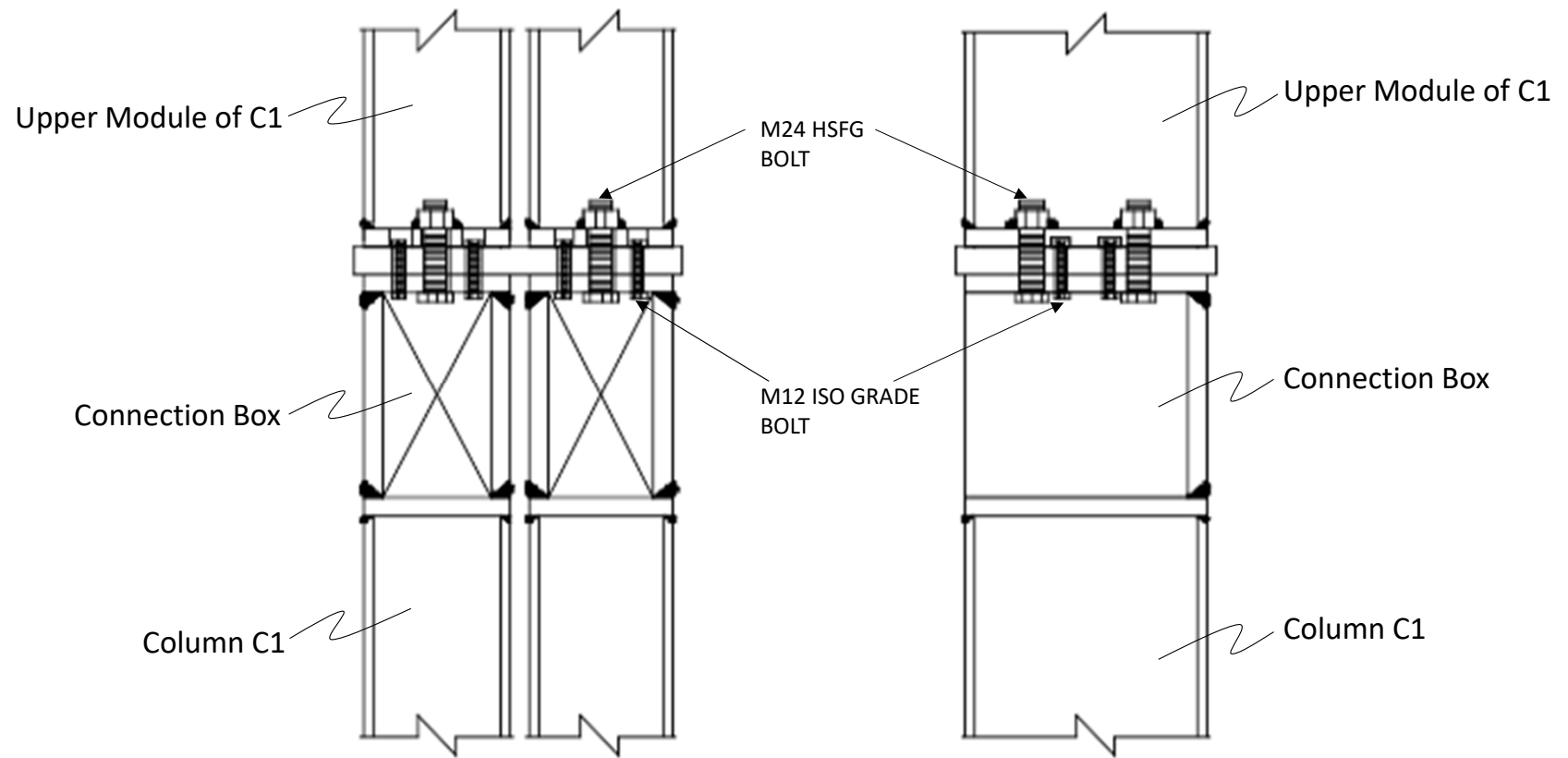


FIG. 15(c)



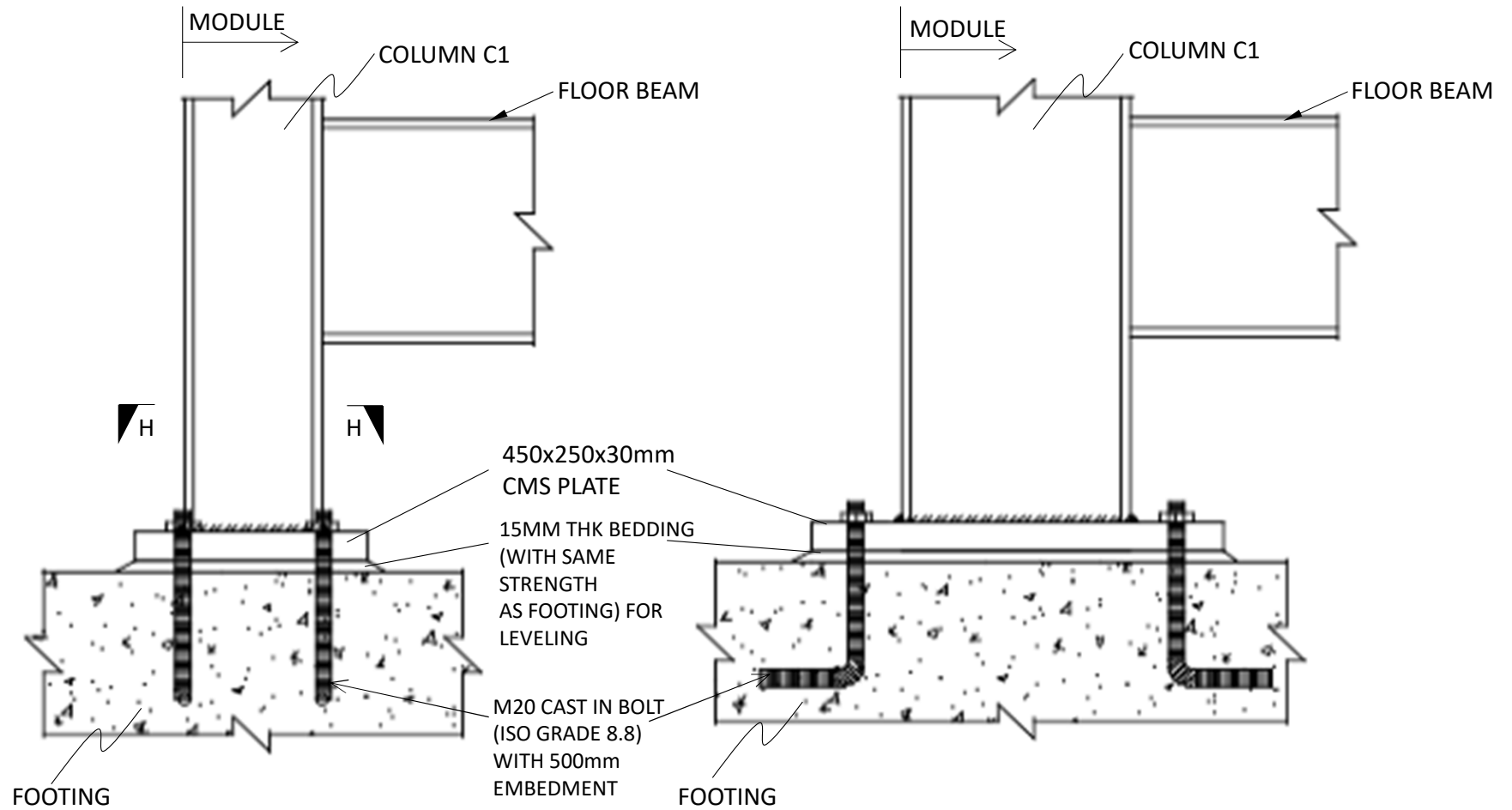
TYPE 1 COLUMN JOINT

FIG. 16



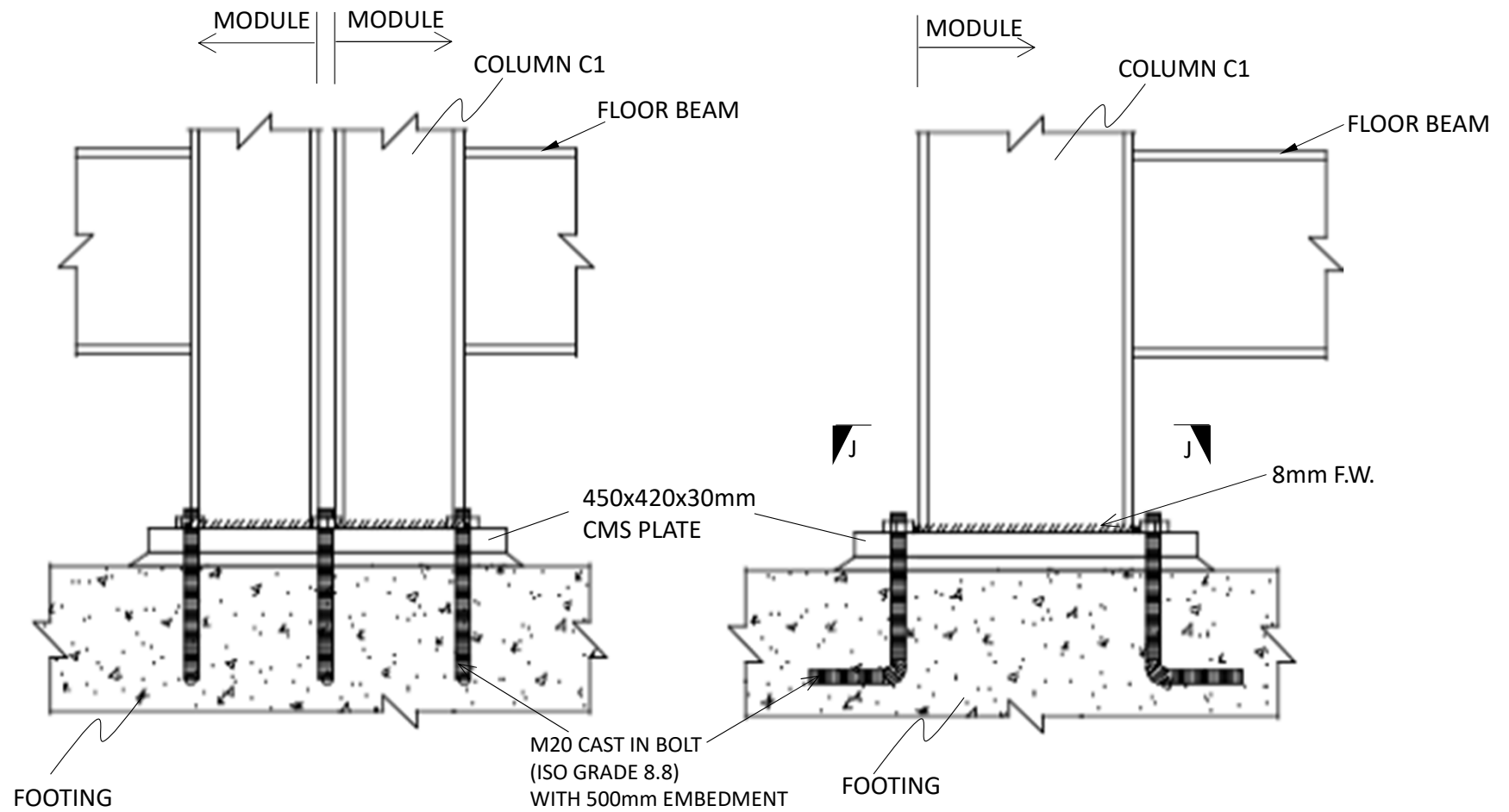
TYPE 2 COLUMN JOINT

FIG. 16(a)



BASE FIXING FOR EDGE COLUMN TO FOOTINGS

FIG. 16(b)



BASE FIXING FOR INTERIOR COLUMN TO FOOTINGS

FIG. 16(c)

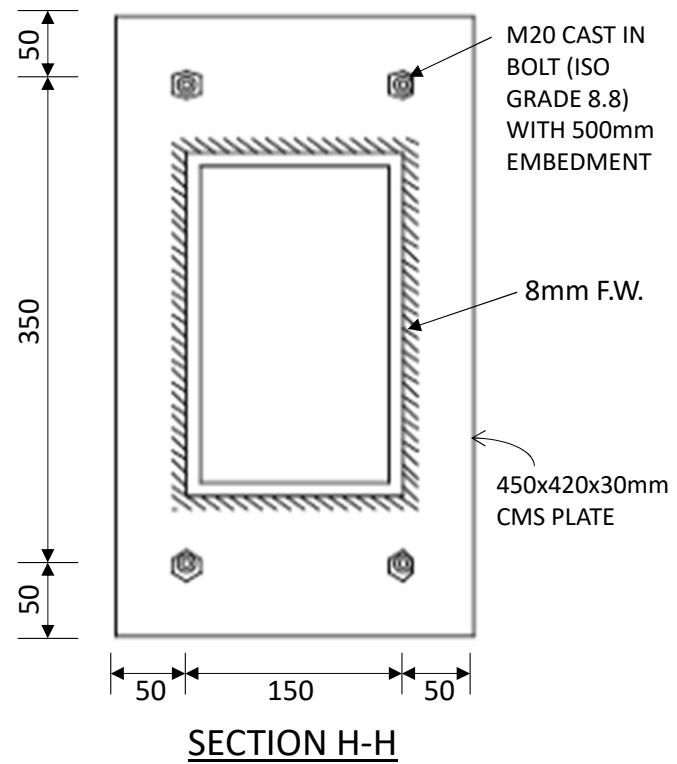


FIG. 16(d)

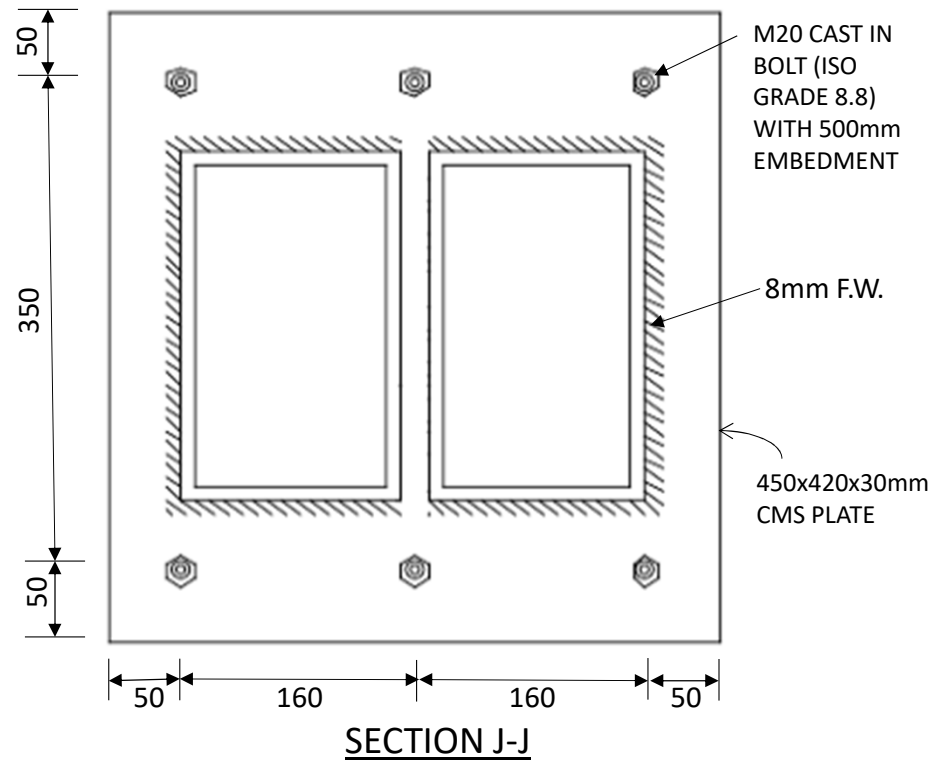


FIG. 16(e)

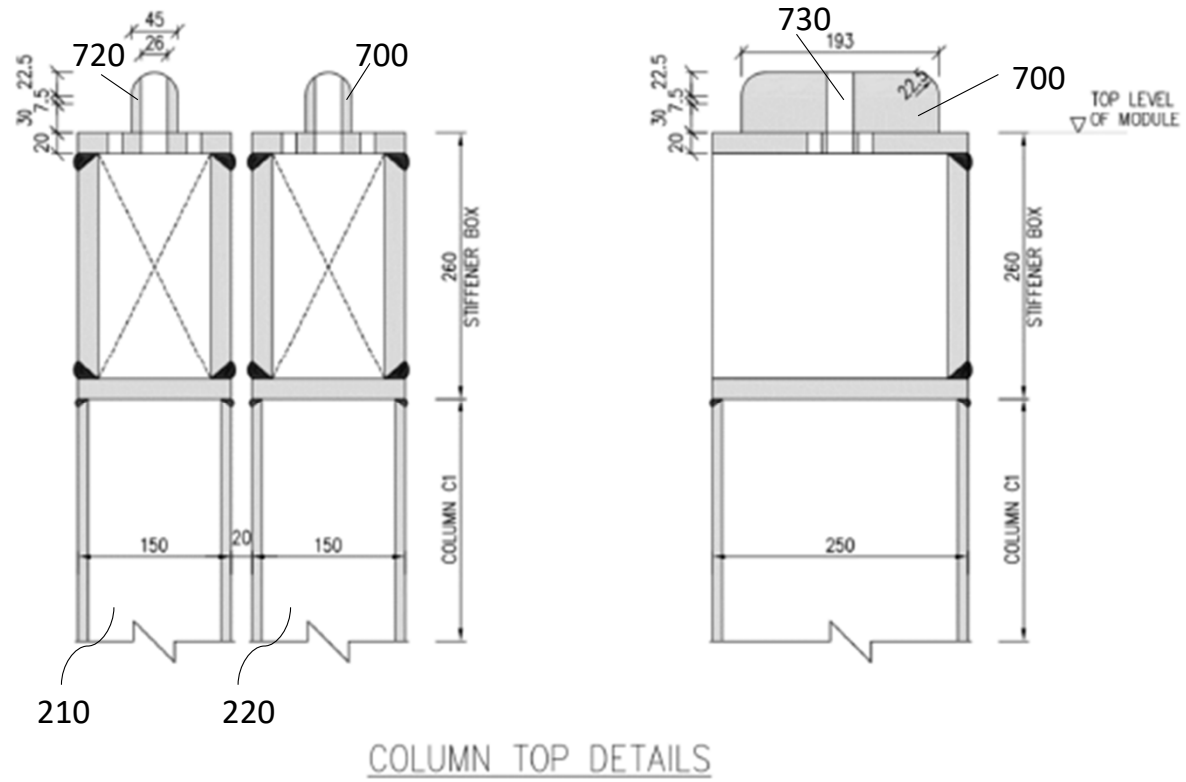
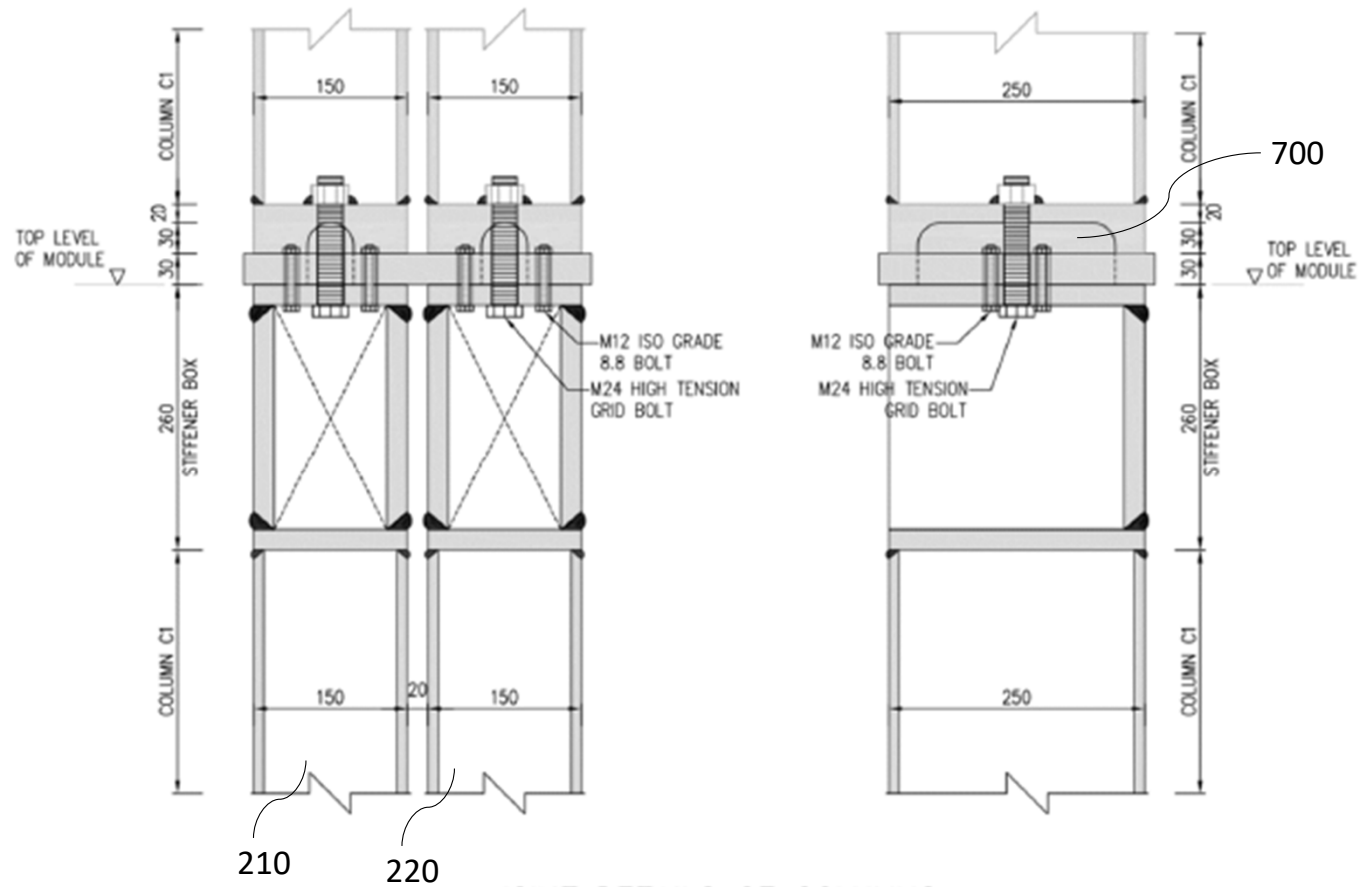


FIG. 17



JOINT DETAILS OF COLUMNS

FIG. 17(a)