

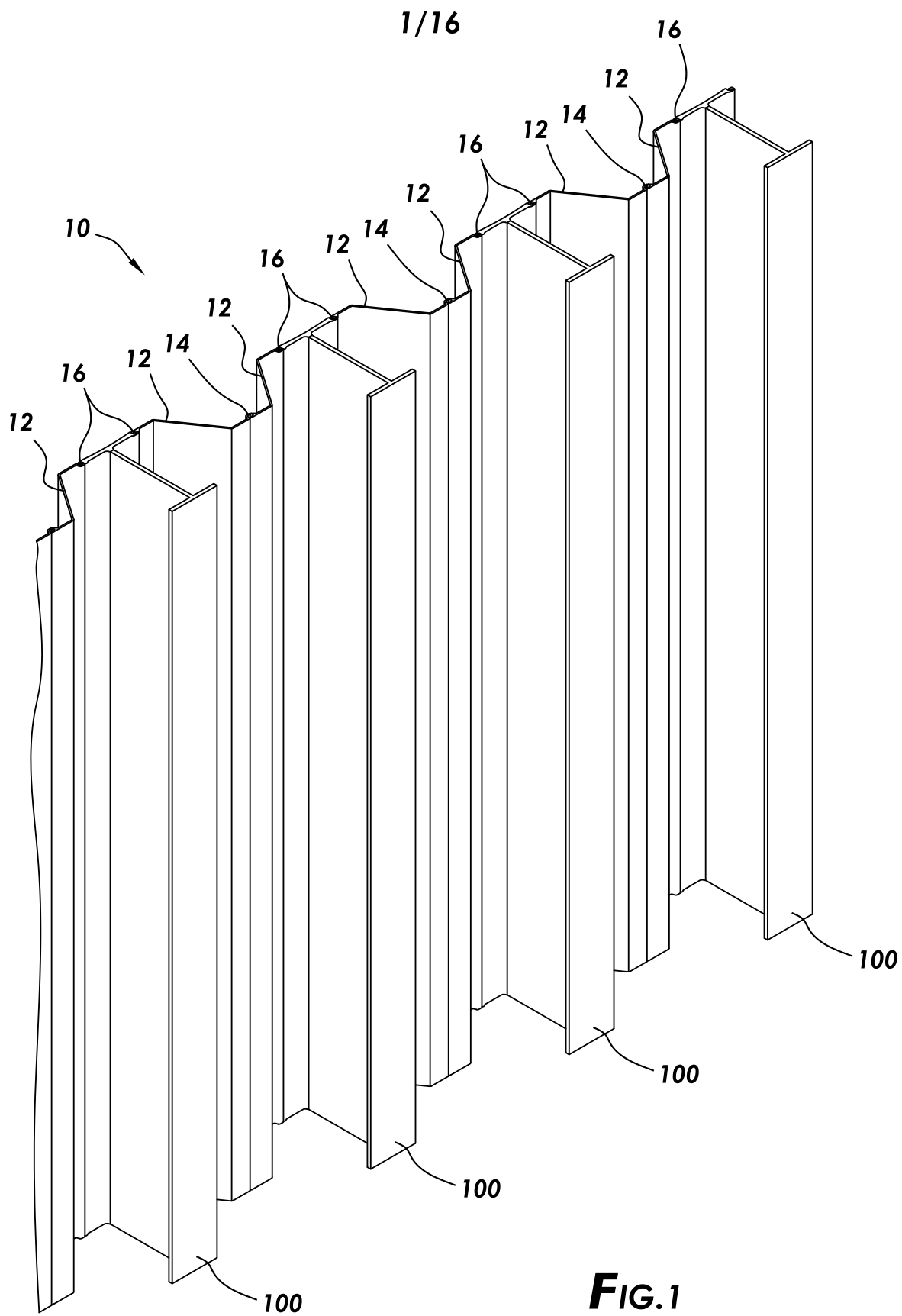


FIG.1

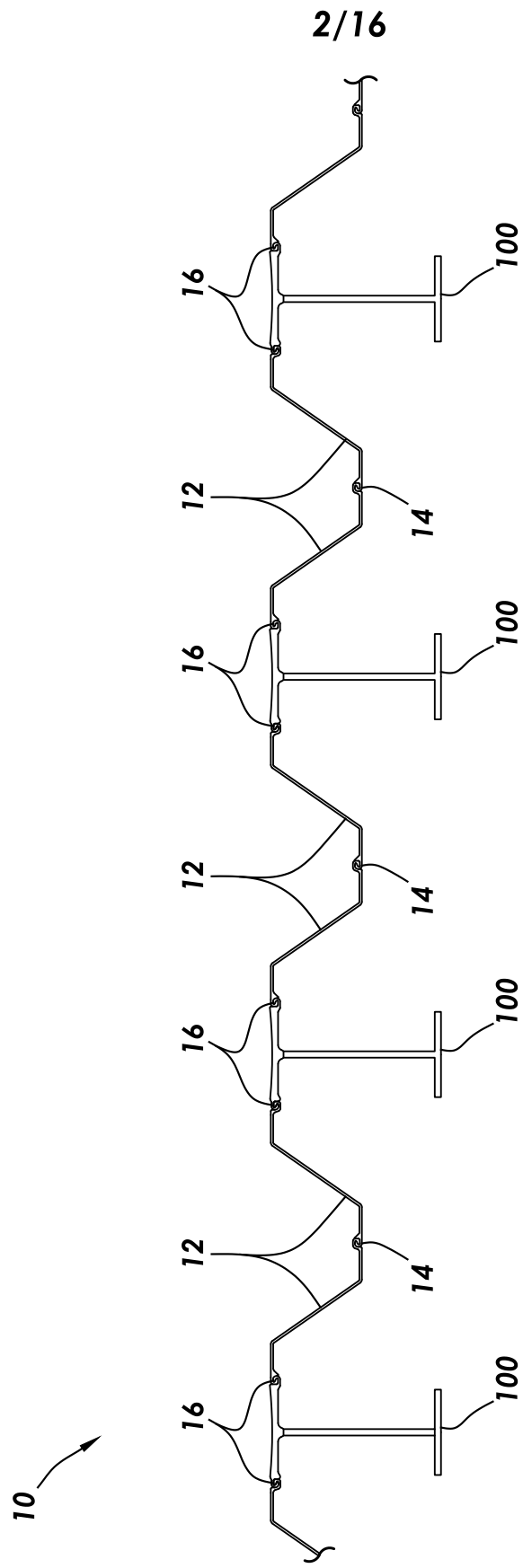


FIG.2



FIG. 3

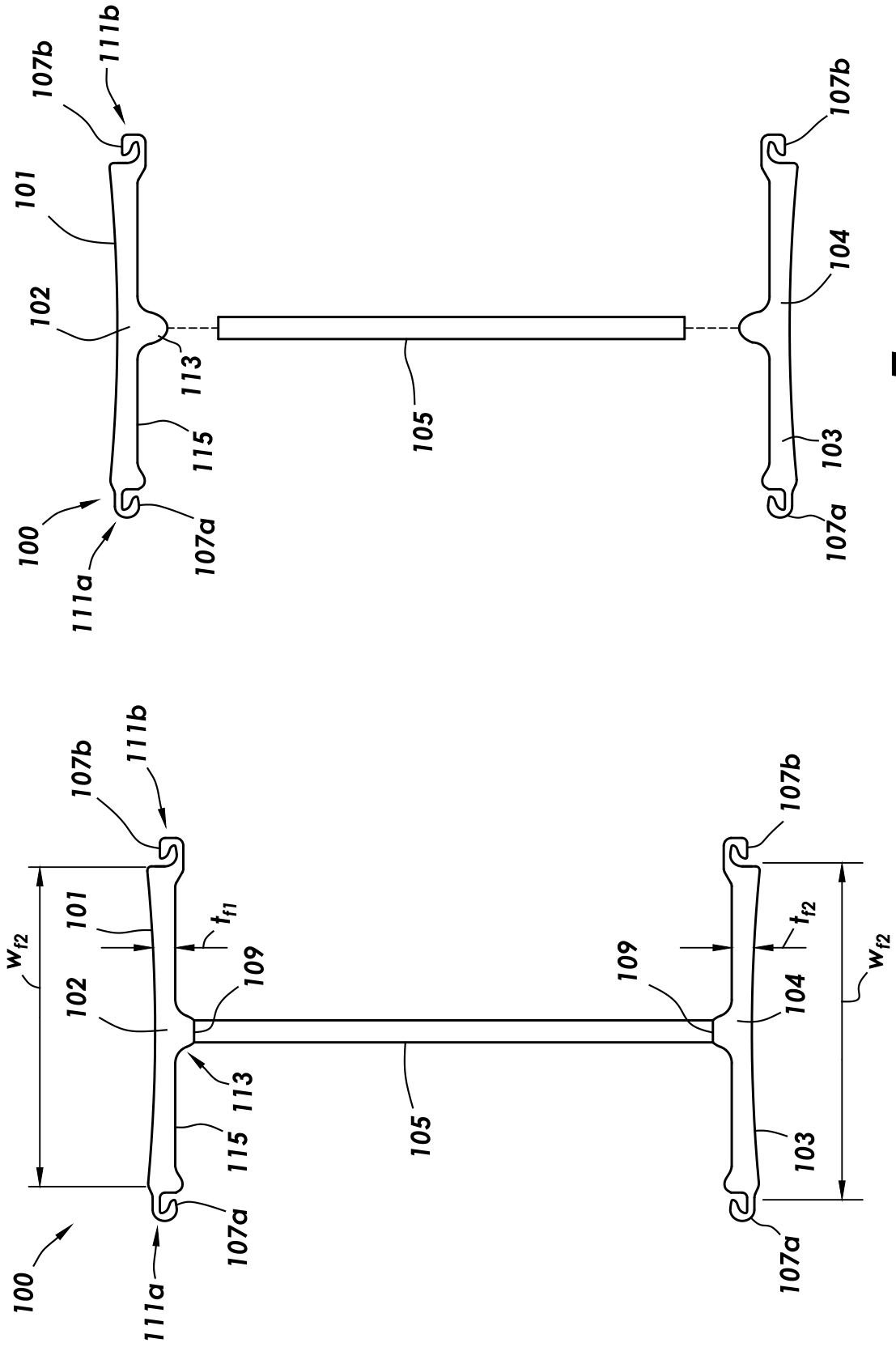
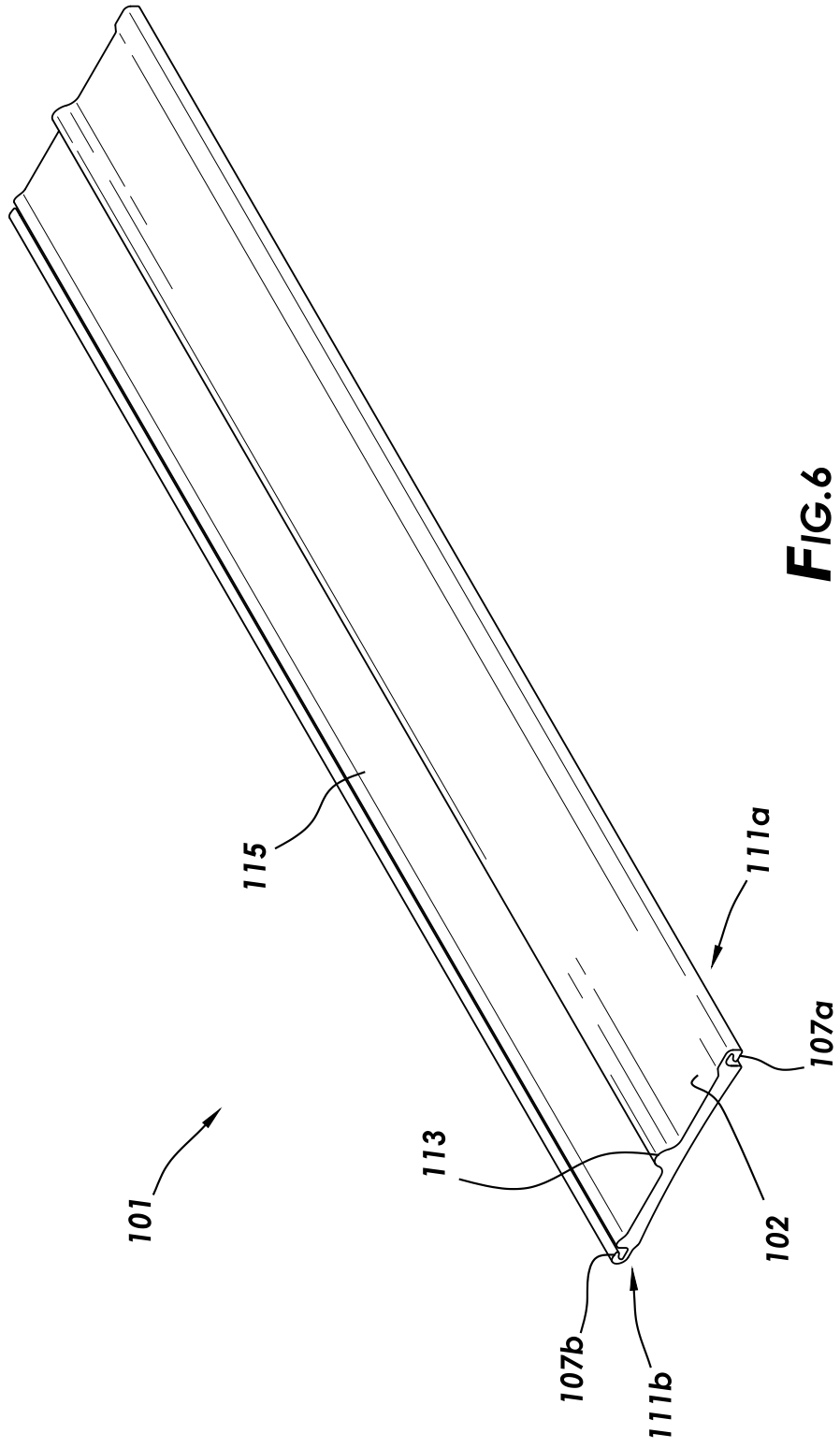


FIG. 5

FIG. 4



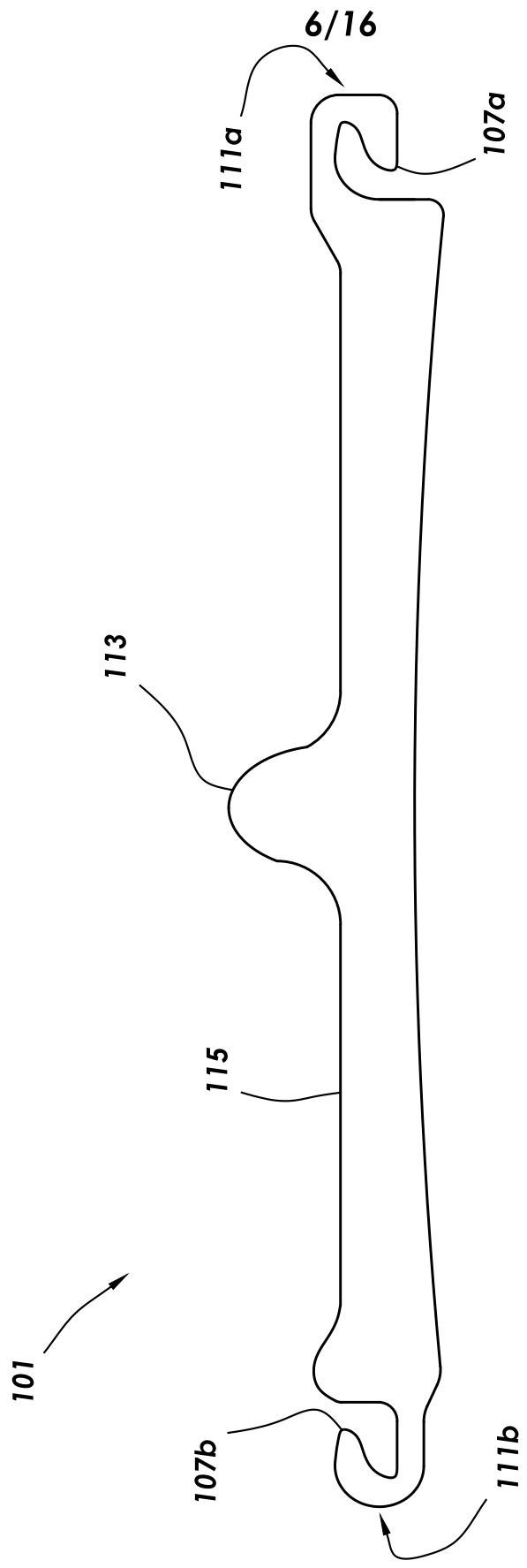
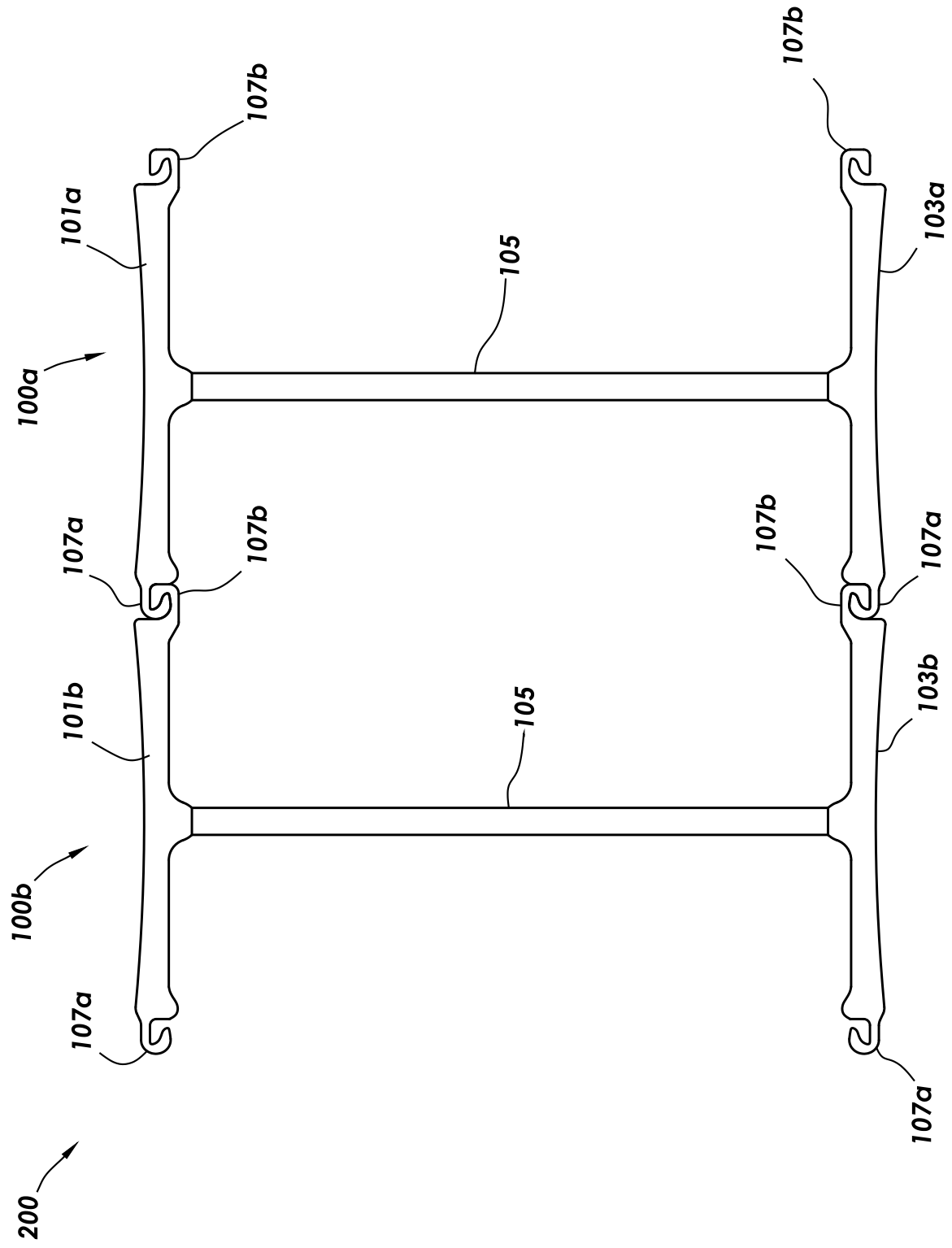


FIG.7



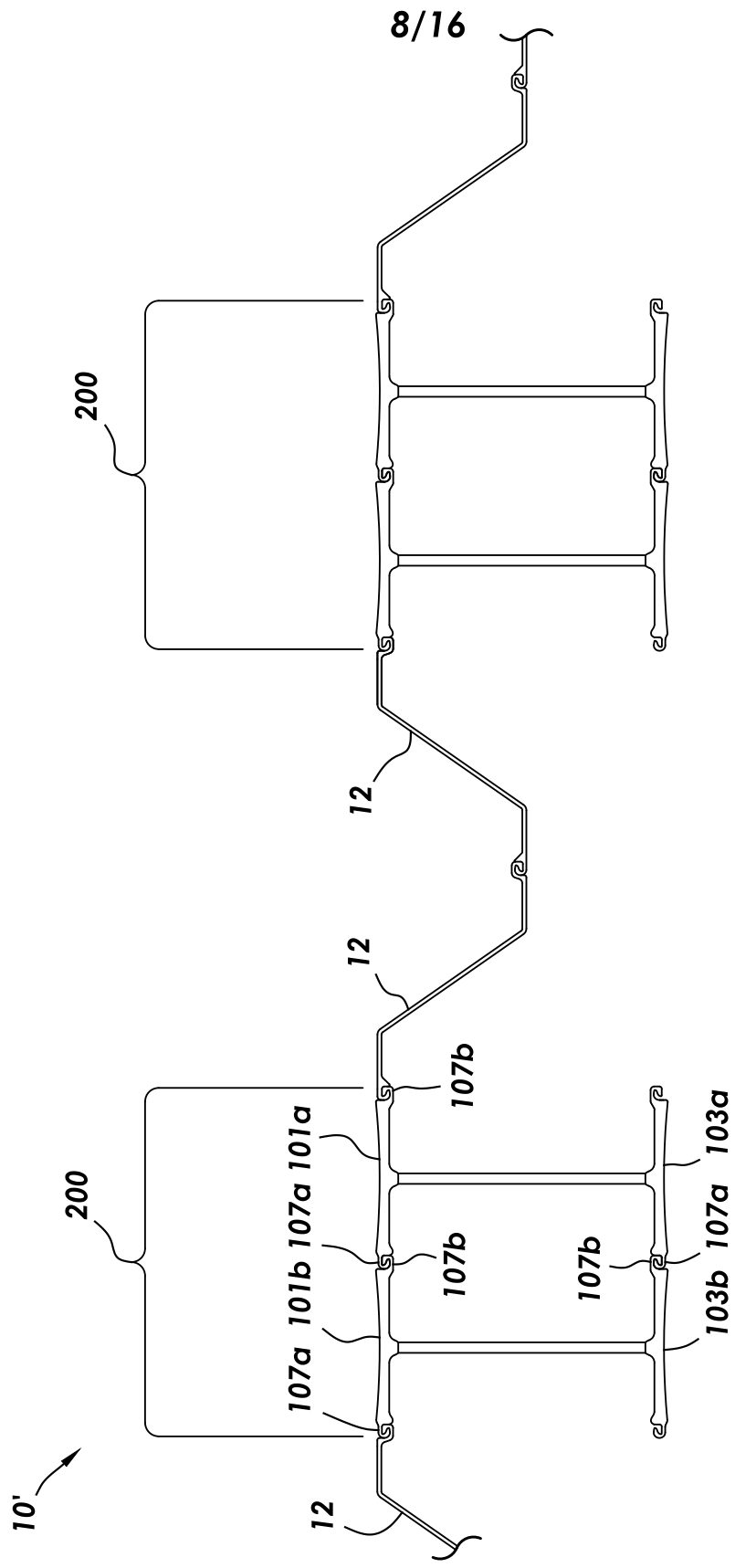
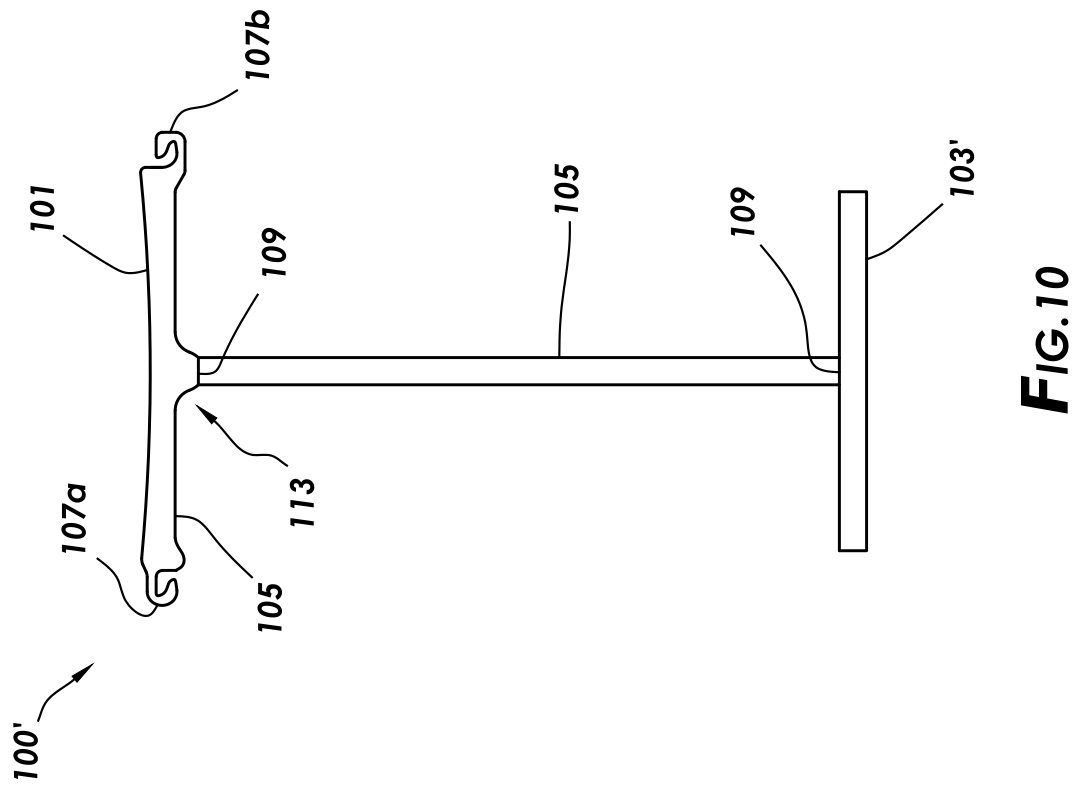
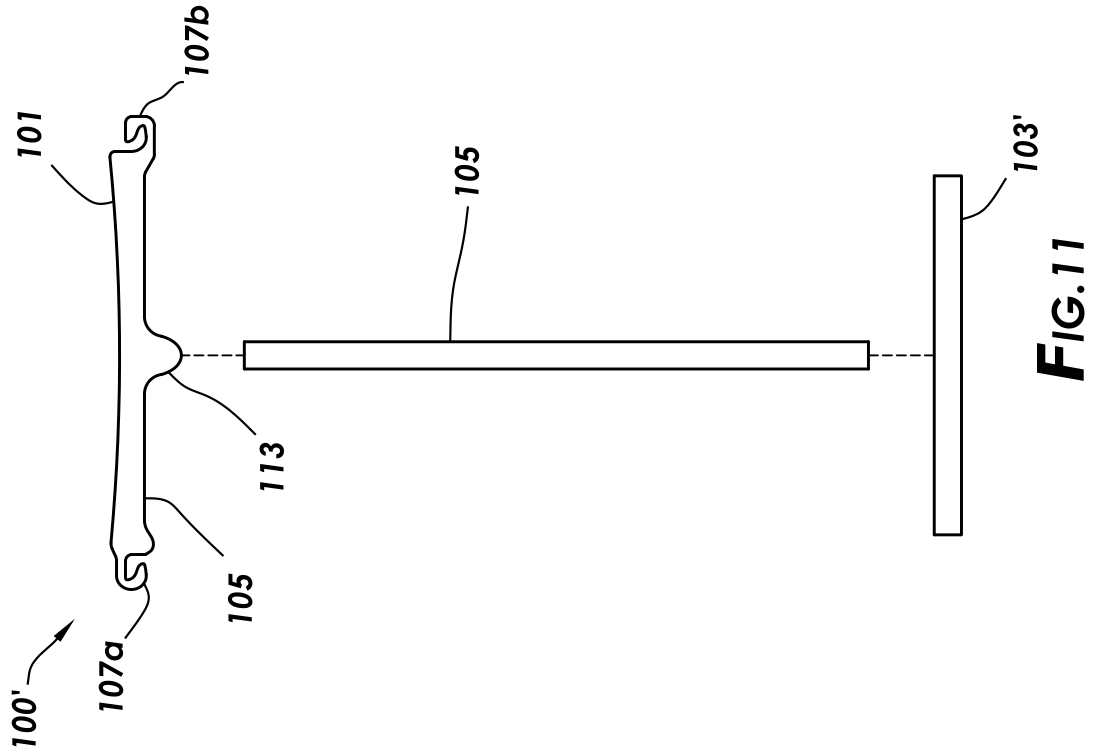
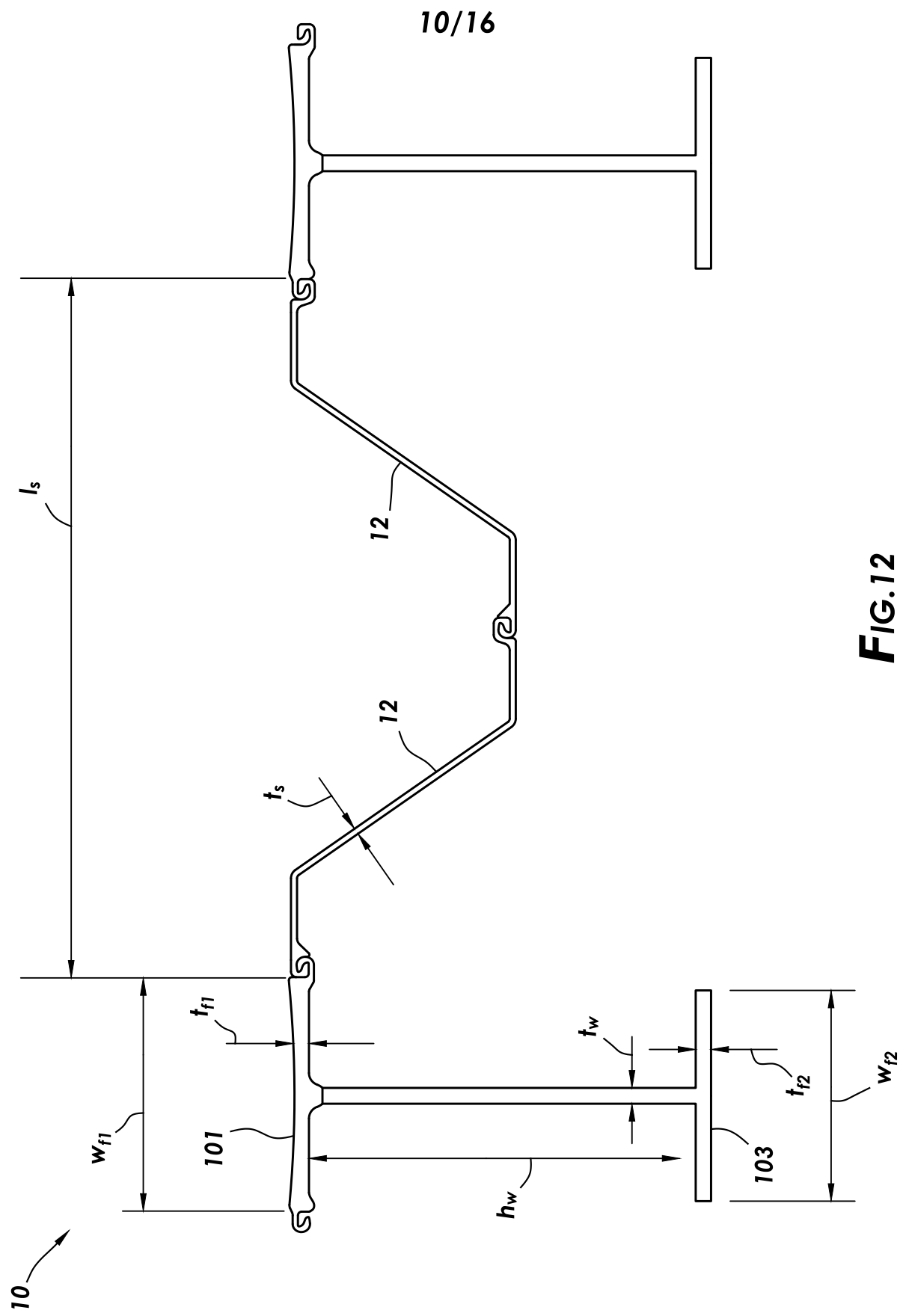


FIG.9





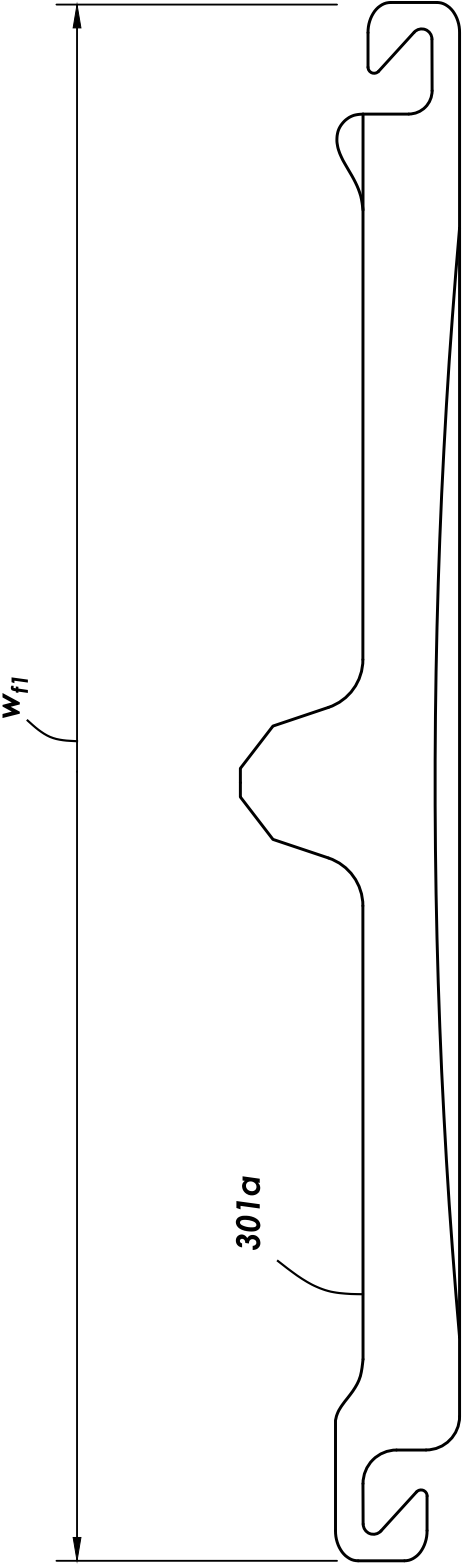


FIG.13A

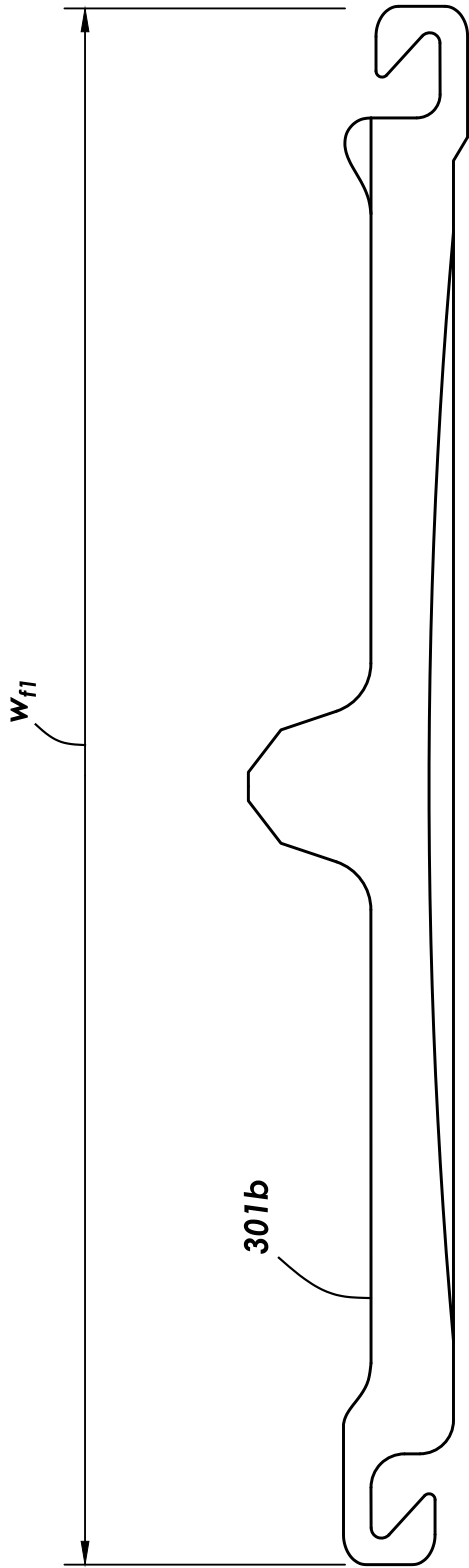


FIG.13B

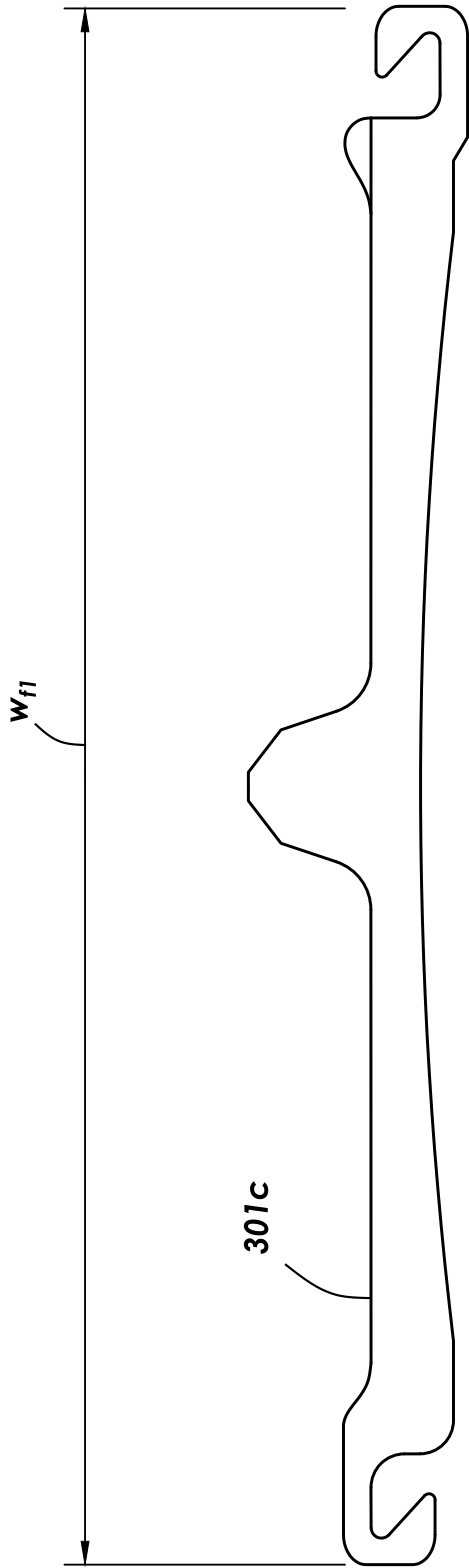
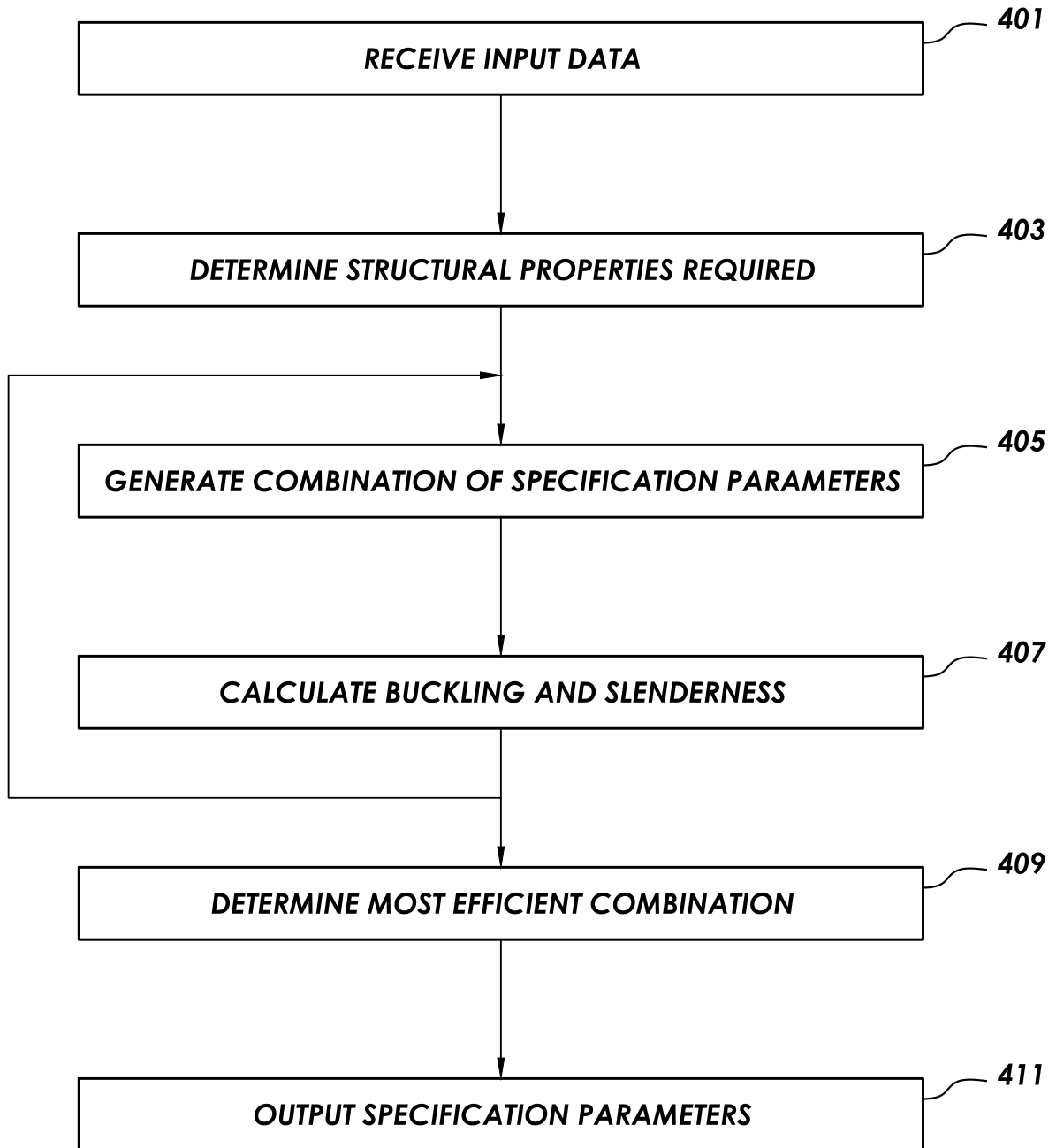


FIG.13C

Wall Type	Single	▼	I _{nom} , S _{nom} Range			
ZZ Section	Any	▼	I _{nom}		S _{nom}	
I _{nom}	5900		Min	Max	Min	Max
S _{nom}	70		Single	850	5900	70
Maximum King Pile Depth	45	▼	Double	1690	10300	130
HZZ SYSTEM TABLE						
Configuration	Cross Sec. Area (A)		Per Unit of Wall		60 ksi	
	cm ² /m	in ² /ft	Moment Of Inertia (I _y)	Elastic Modulus (S _x)	Plastic Modulus (S _x)	Allow Bend. Moment [No S.F.] (M _{max})
	cm ⁴ /m	in ⁴ /ft	cm ⁴ /m	cm ³ /m	cm ³ /m	kN-m/m
	in ⁴ /ft	in ⁴ /ft	in ⁴ /ft	in ³ /ft	in ³ /ft	kip-ft/ft
45_HZZT35/38-700	448.2	807457	807457	13968	16523	5778
	21.2	5913	5913	259.8	307.3	1299
			Mass: Beam/Sheet Ratio		Coating Area	
			HZZ/ZZ 60% (m)	HZZ/ZZ 80% (m)	HZZ/ZZ 100% (m)	Waterside Surface (A')
			kg/m ²	kg/m ²	kg/m ²	m ² /m
			lbs/ft ²	lbs/ft ²	lbs/ft ²	ft ² /ft
			298.8	325.1	351.4	2.67
			61.2	66.6	72.0	8.74
						5.97
						19.57

FIG.14

400

**FIG.15**

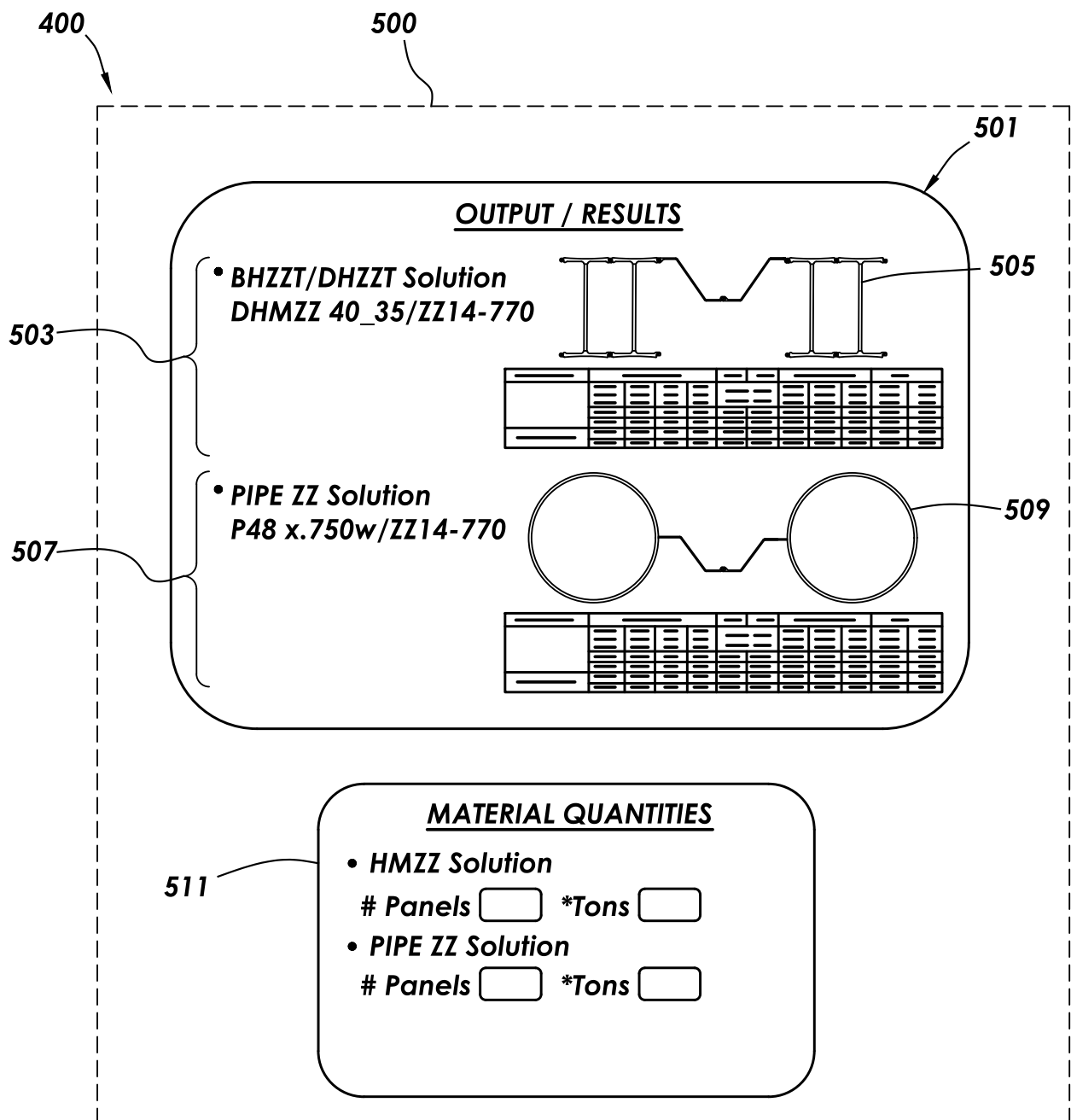


FIG.16