

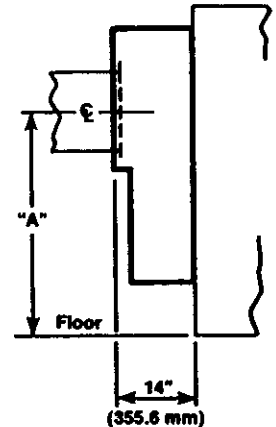
BASIC CUBICLE ARRANGEMENTS (FRONT ELEVATIONS) AND WEIGHTS

Type R — Indoor Equipment^①

Transition Sections

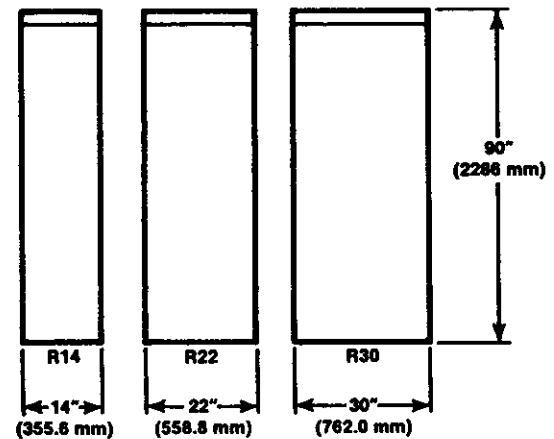
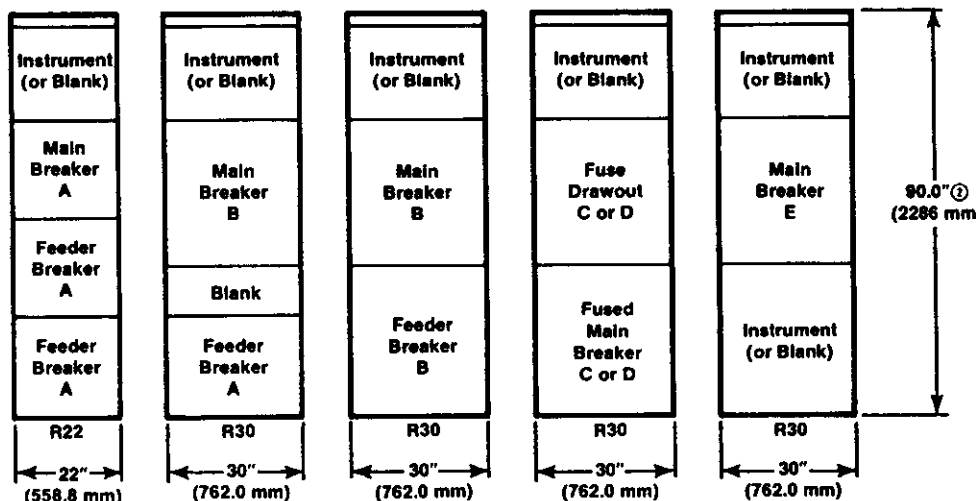
1. Transition to liquid filled transformer with side wall throat enclosed bushings.
2. Side entry bus duct.

	"A"	Weight
Indoor	55 (1397 mm)	500 (227.0)
Outdoor	61 (1549.4 mm)	550 (249.0)

Auxiliary Sections^{② ③}

1. Metering section for substation not containing main breaker.
2. Incoming bus duct or cable entrance for substation not containing main breaker.

	Weights		
	R14	R22	R30
Indoor	600 (272.0)	1000 (454.0)	1200 (544.0)
Outdoor ^④	1600 (726.0)	2000 (907.0)	2400 (1088.0)

Main Breaker Sections and Combinations^{② ③}

	Weight†	
	R22	R30
Indoor	1400 (635.0)	1900 (862.0)
Outdoor ^④	2400 (1088.0)	3100 (1406.0)

† Weights shown do not include weight of circuit breaker removable elements.

① Maximum shipping group is five (5) vertical sections in addition to transition section.

② All vertical sections are 90" high. Add 11" for mounted lifting structure shipped mounted 101.0" (2565 mm) overall height (2591 mm).

③ All units are 60" (1524 mm) deep.

④ For outdoor lineup, add 1200 lbs. (544 kg) to the weight of individual sections for end walls to hoist.

Breaker Key:

- A. Any of the following:
RL-800; RLX-800; RLF-800; RL-1600; RLX-1600; RLF-1600;
RL-2000; RLF-2000.
- B. RL-3200
- C. RLF-3200 in one cell/RFC-3200 fuse drawout in other cell

D. RLF-4000 in one cell/RFC-4000 fuse drawout in other cell

E. RL-4000

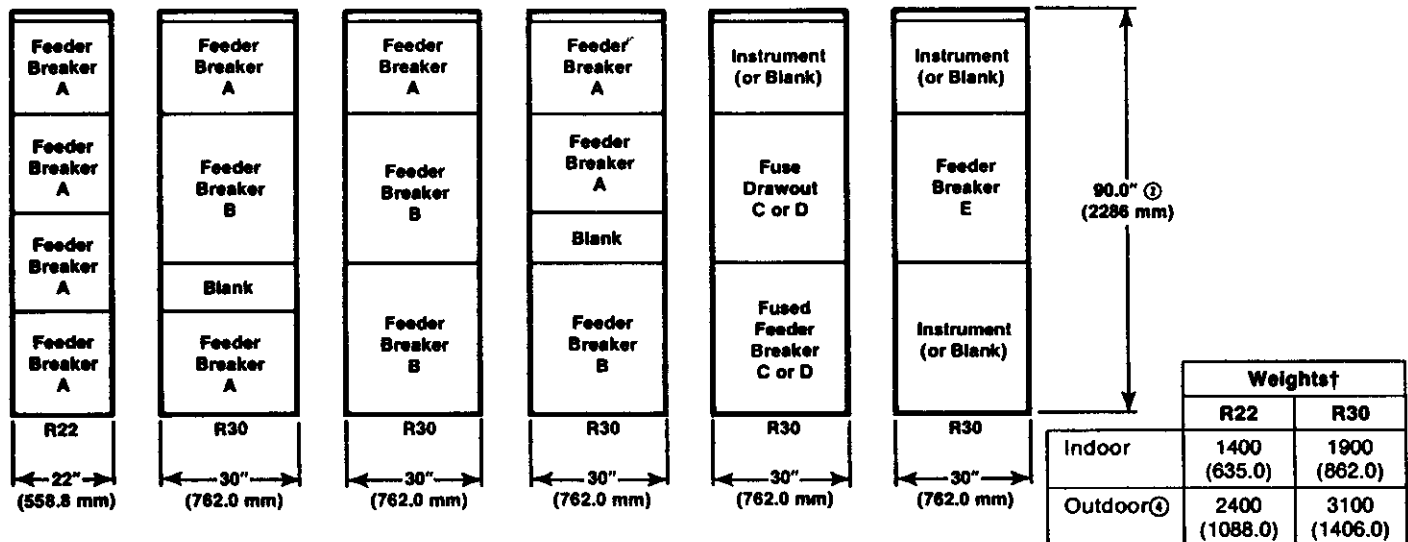
Instrument or blank cells can be substituted for any breaker cell shown.

NOTE: All weights are approximate in pounds and (kg) based on aluminum bus.

Dimensions

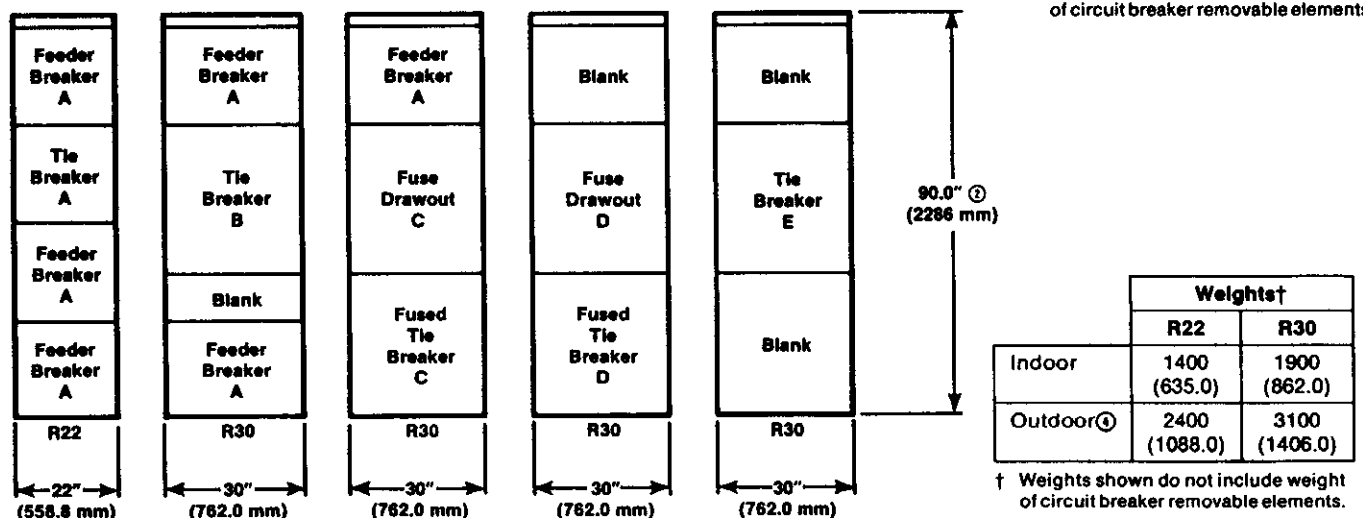
BASIC CUBICLE ARRANGEMENTS (FRONT ELEVATIONS) AND WEIGHTS

Feeder Breaker Sections and Combinations ② ③



† Weights shown do not include weight of circuit breaker removable elements.

Tie Breaker Sections and Combinations ② ③ ⑤



† Weights shown do not include weight of circuit breaker removable elements.

① Maximum shipping group is five (5) vertical sections in addition to transition section.

② All vertical sections are 90" high. Add 11" for top mounted lifting structure shipped mounted, 101" overall height (2565 mm).

③ All units 60" (1524 mm) deep. 8" (203 mm) or 12" (305 mm) rear extensions optionally available for indoor units.

④ For outdoor lineup, add 12.00 lbs. (544 kg) to total weight of individual vertical sections for end walls and hoist.

⑤ Feeder breakers physically above tie breaker must be electrically on opposite side of tie breaker from the feeder breakers which are physically below the tie breaker.

Breaker Key:

A. Any of the following:

RL-800; RLX-800; RLF-800; RL-1600; RLX-1600; RLF-1600;
RL-2000; RLF-2000.

B. RL-3200

C. RLF-3200 in one cell/RFC-3200 fuse drawout in other cell

D. RLF-4000 in one cell/RFC-4000 fuse drawout in other cell

E. RL-4000

Instrument or blank cells can be substituted for any breaker cell shown.

Table 1. Breaker Element Weights

	Element Type	RL-800	RLX-800	RL-1600	RLX-1600	RL-2000	RL-3200	RL-4000
Operation	Manual	140 (63.5)	170 (77.1)	175 (79.4)	200 (90.7)	210 (95.3)	290 (131.5)	350 (158.8)
	Electrical	150 (68.0)	180 (81.6)	185 (83.9)	210 (95.3)	220 (99.8)	300 (136.1)	360 (163.3)
Additional Weight for Shipping		45 (20.4)	45 (20.4)	45 (20.4)	45 (20.4)	45 (20.4)	50 (22.7)	50 (22.7)

Table 2. Fused Element Weights

	Element Type	RLF-800	RLF-1600	RLF-2000	RLF-3200①	RFC-3200①	RLF-4000①	RFC-4000②
Operation	Manual	195 (83.9)	310 (140.6)	325 (147.4)	290 (131.5)	390③ (176.9)	350 (158.8)	450③ (204.1)
	Electrical	205 (93.0)	320 (145.2)	335 (152.0)	300 (136.1)		360 (163.3)	
Additional Weight for Shipping		45 (20.4)	45 (20.4)	45 (20.4)	50 (22.7)	50 (22.7)	50 (22.7)	50 (22.7)

① For use with RLF-3200 breaker.

② For use with RLF-4000 breaker.

③ Fuses mounted on separate drawout carriage and located in separate compartment.

④ For total weight, add weight of breaker element and separate fuse carriage.

NOTE: All weights are approximate in pounds and (kg).

Dimensions

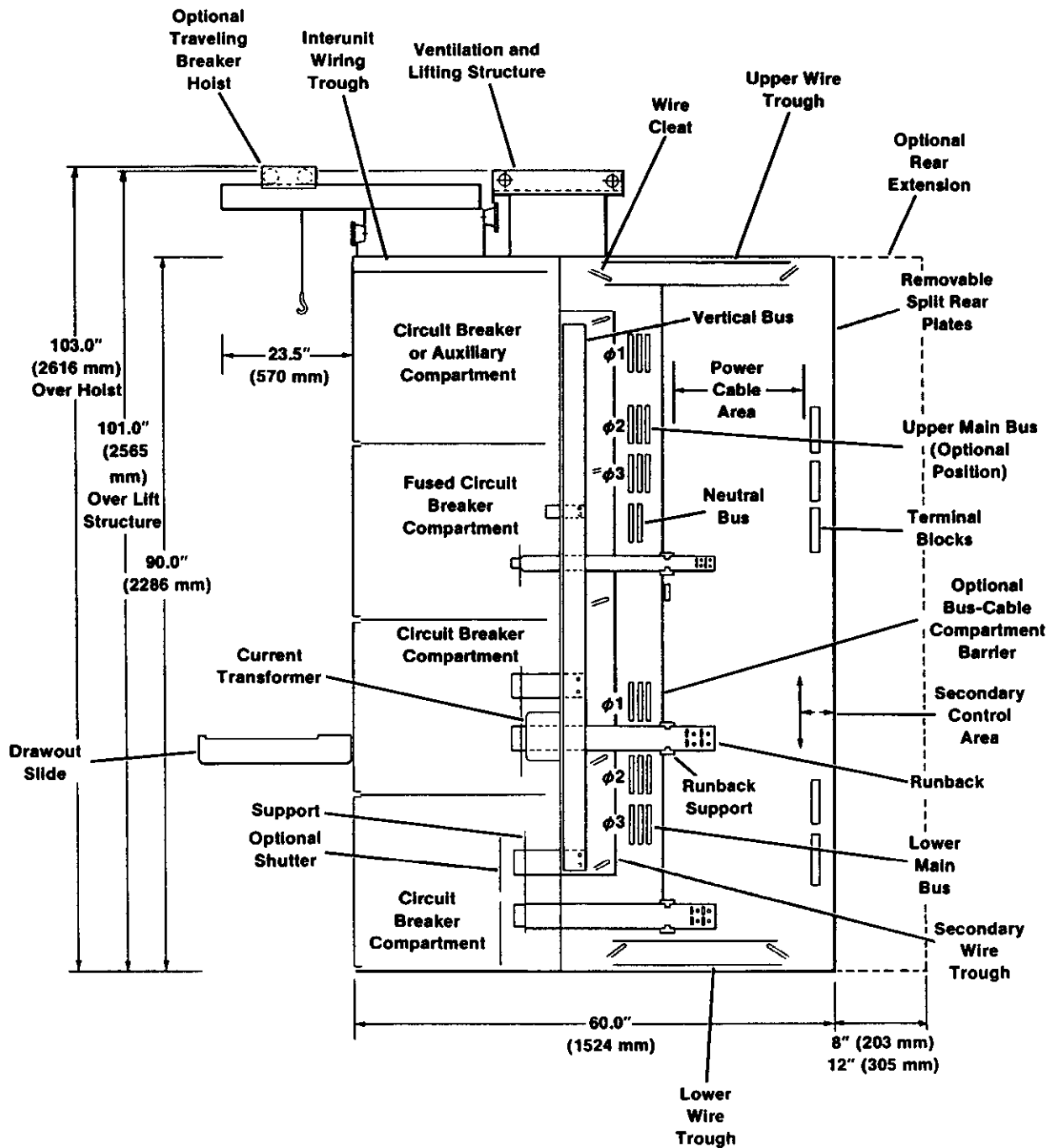
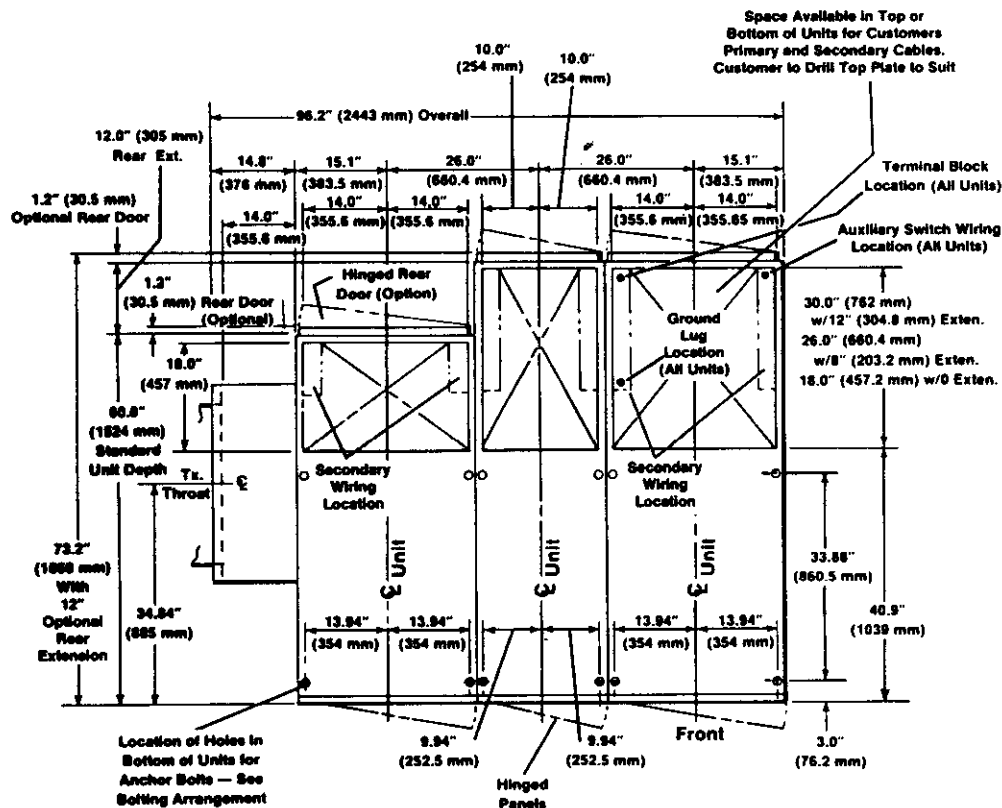


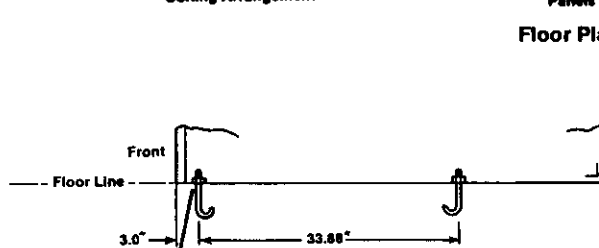
Figure 1. Typical Side View "R22" Unit

Switchgear Division

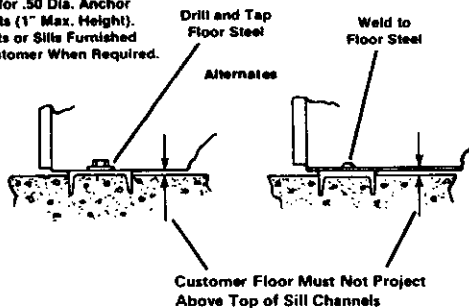
Dimensions



Floor Plan View



.62 Dia. Holes in Compartment Floor for Welding to Sills or for .50 Dia. Anchor Bolts (1" Max. Height). Bolts or Sills Furnished by Customer When Required.

Side View
Indoor Anchor Bolting Arrangement

Note: Shipping Groups to Be A Maximum of Five Vertical Sections.

Side View w/Hoist and Anchor Bolting

Figure 2. Dimensions, Floor Plan and Side View Type "R" Indoor Switchgear.

Dimensions

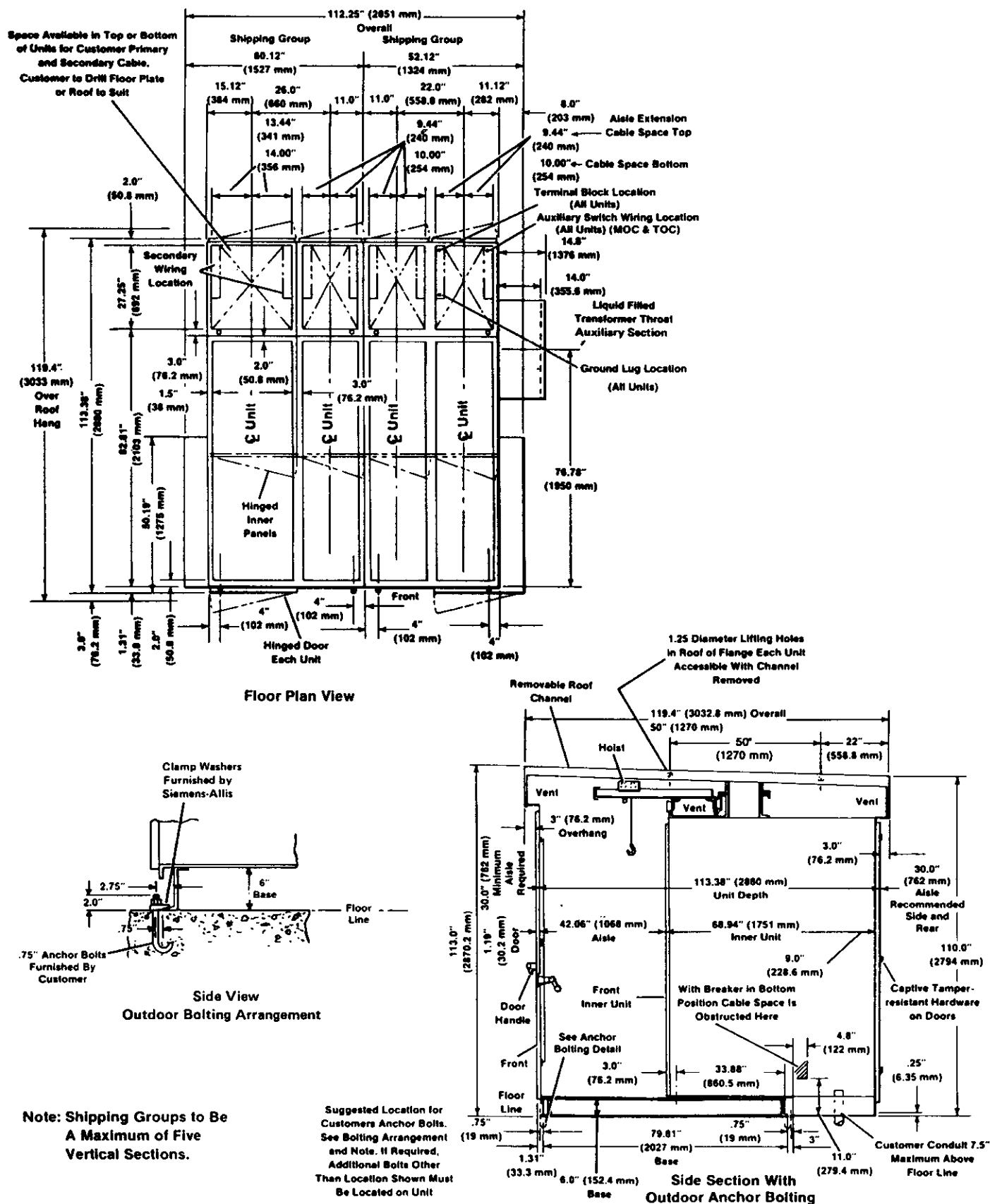


Figure 3. Dimensions, Floor Plan and Side View Type "SR" Outdoor Switchgear.