



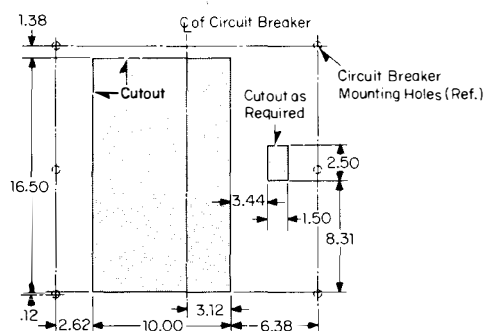
August, 1988
Supersedes 33-871 F WE A Dimension
Section, pages 1-16, dated September, 1975
Mailed to: E, D, C/33-700B

Manually or Electrically Operated 3-Pole
30,000 to 85,000 Amp Interrupting Capacity

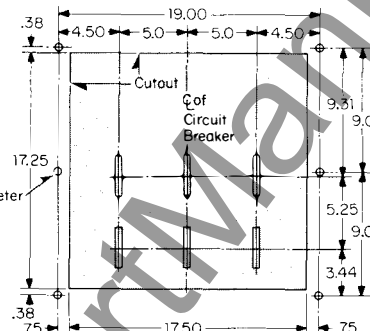
DS De-ion® Low Voltage Power Circuit Breakers

Standard Fixed Breakers (Dimensions in Inches Approximate)

Type DS-206/416/420

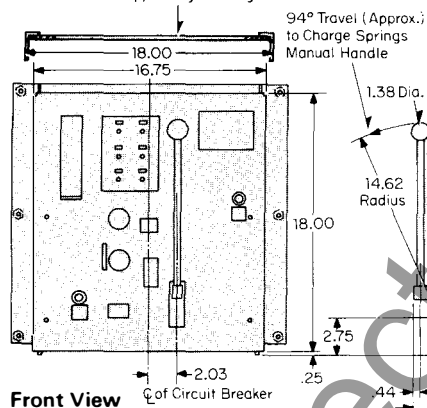


Recommended Cutout in Dead Front Door or Cover (Front View)

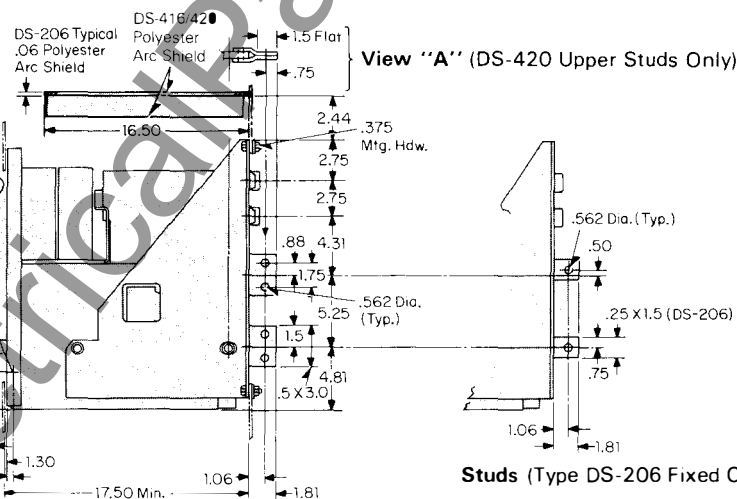


Stud Locations, Cutouts and Drilling for Mounting 3 Pole Circuit Breaker (Front View)

Note:
Arc Shield Not Supplied by Westinghouse

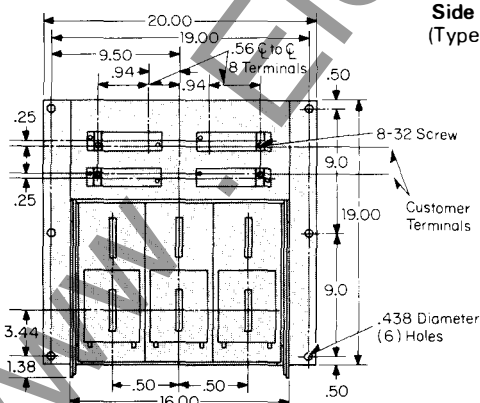


Front View



Side View (Type DS-416/420 Fixed Circuit Breaker)

Studs (Type DS-206 Fixed Circuit Breaker)

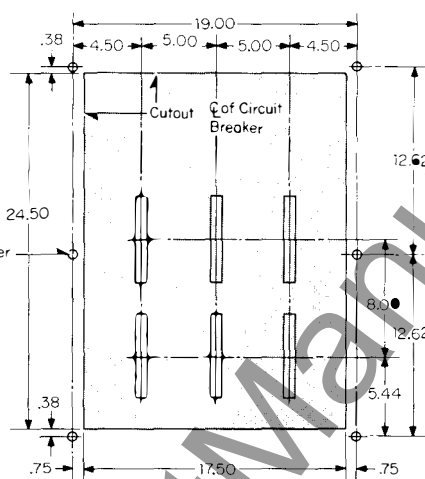


Rear View

WARNING:

Ventilation and Insulation Must Meet 568F541

Type DS-632



Stud Locations, Cutouts and Drilling for Mounting 3 Pole Circuit Breaker (Front View)



Rear View

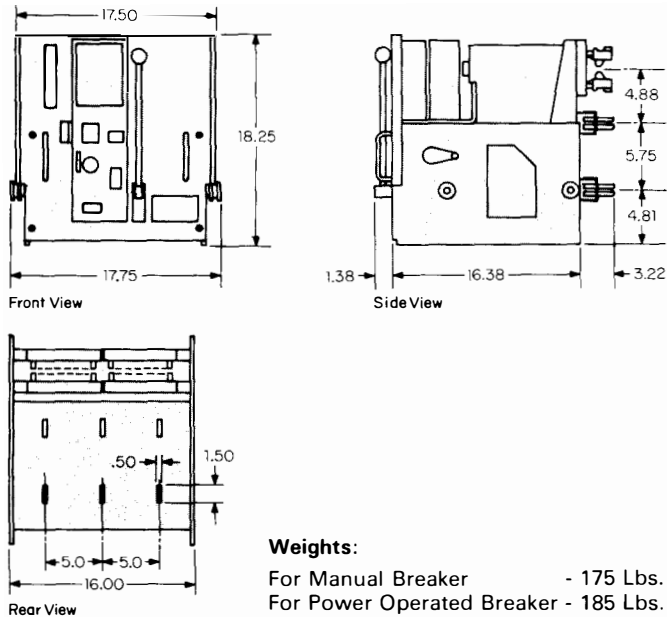
Ventilation and Insulation Must Meet 568F541



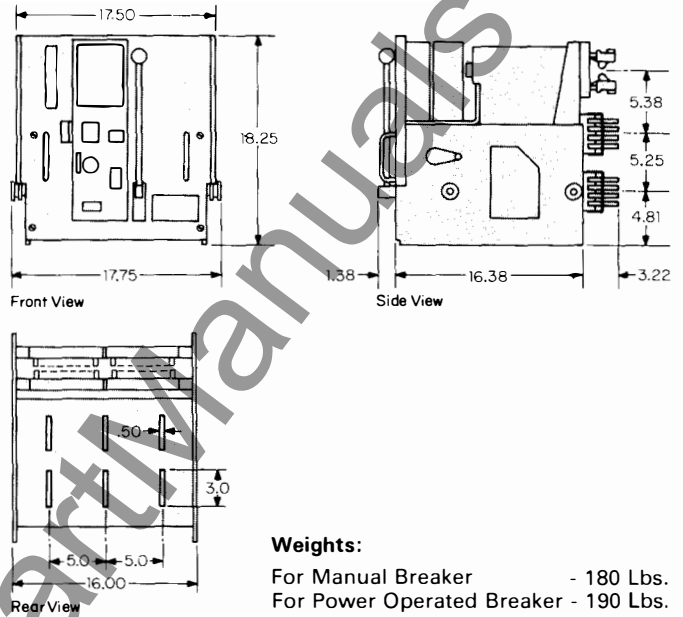
Drawing 568F355

Standard Drawout Breakers (Dimensions in Inches Approximate)

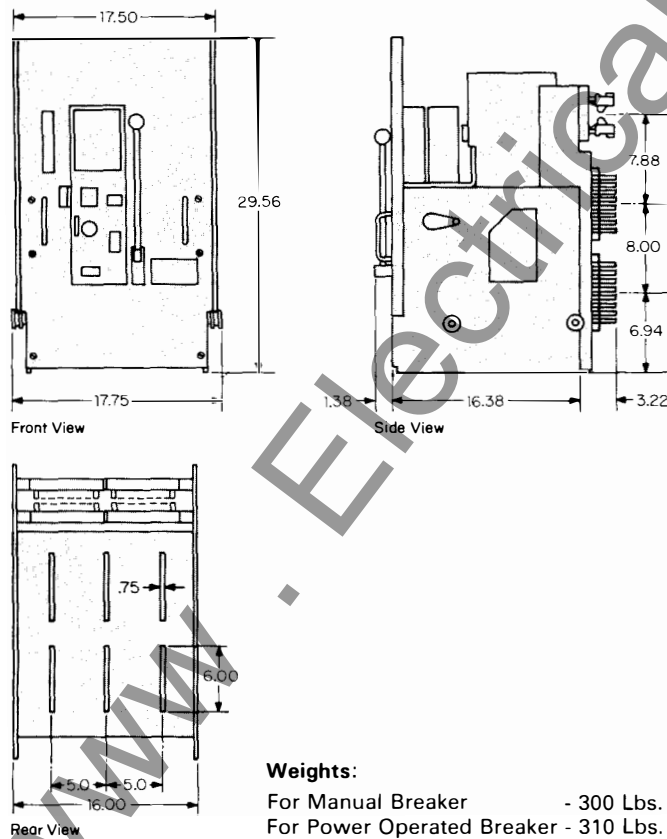
Type DS-206



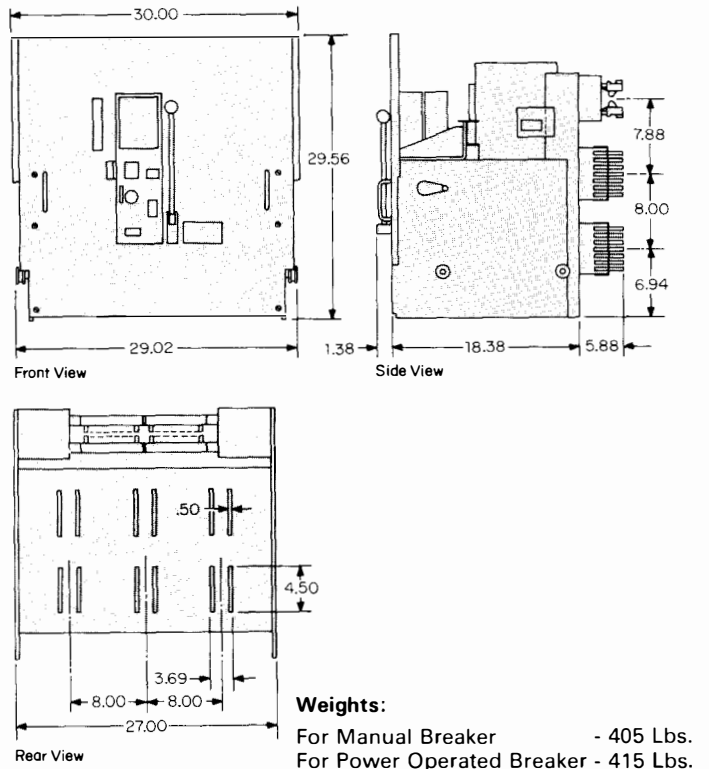
Type DS-416/420



Type DS-632



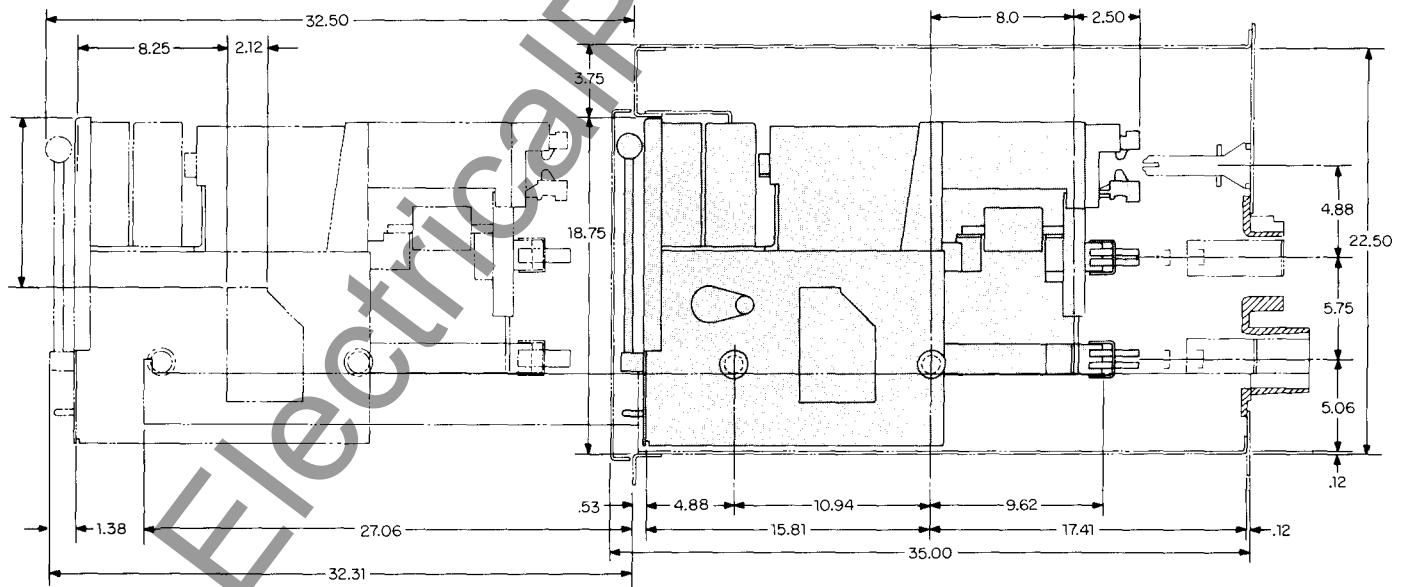
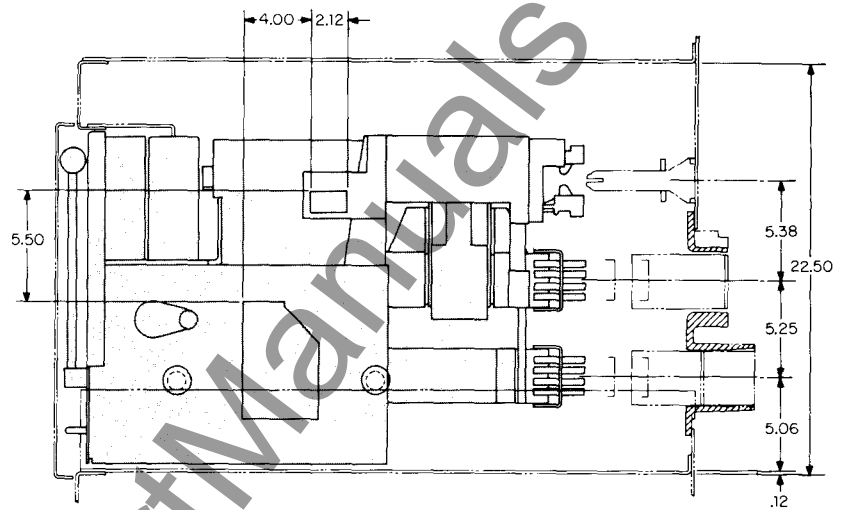
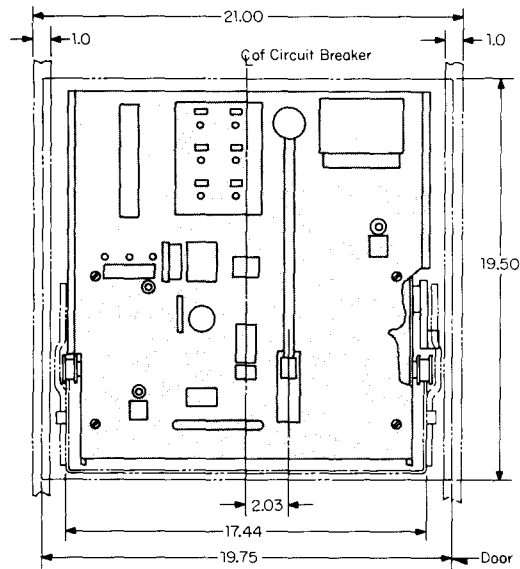
Type DS-840





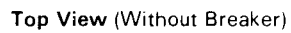
Standard Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DSL-206/416





Type DS-206



Rear View

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 151D757 for Reference).
- 3) Riser stabs are not included.

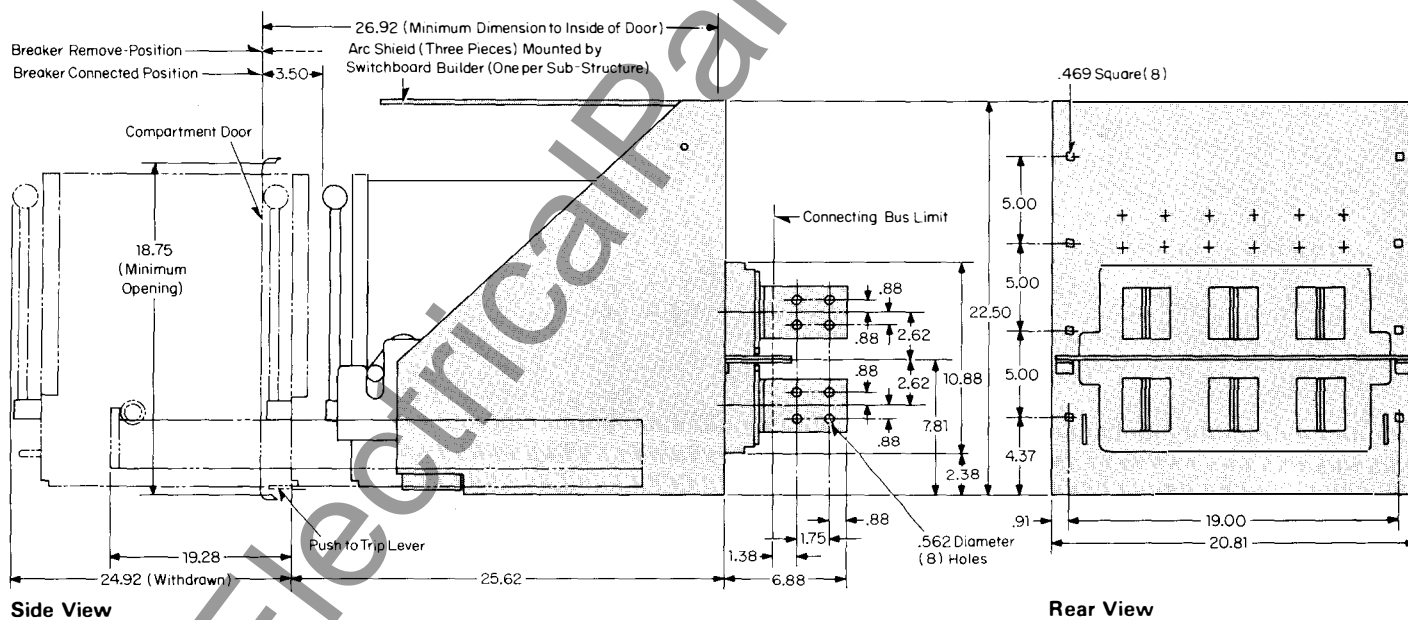
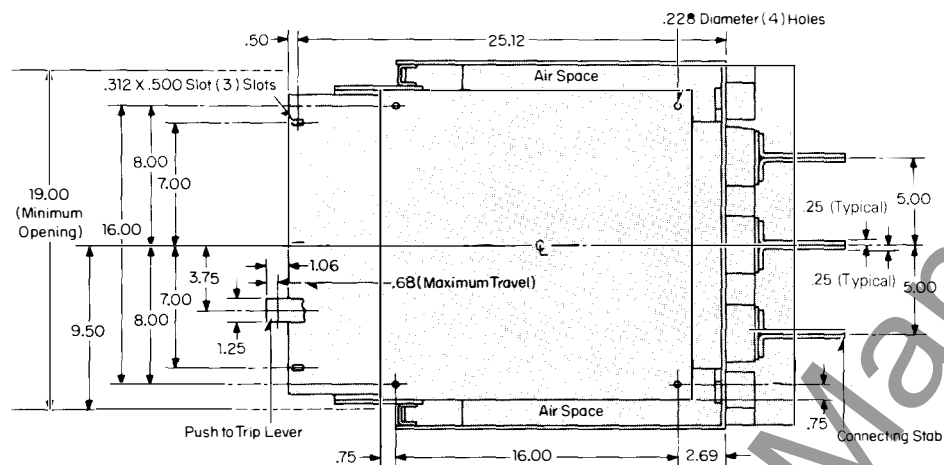


33-871

Page 7

Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DS-206S/416/416S/420



Rear View

WARNING:

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 151D757 for Reference).
- 3) Riser stabs are not included.



Type DS-632



WARNING:

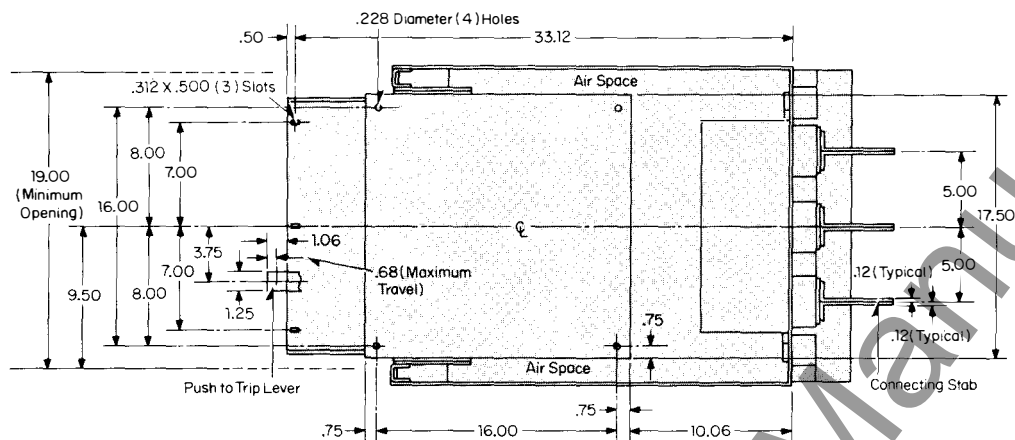
- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 151D757 for Reference).



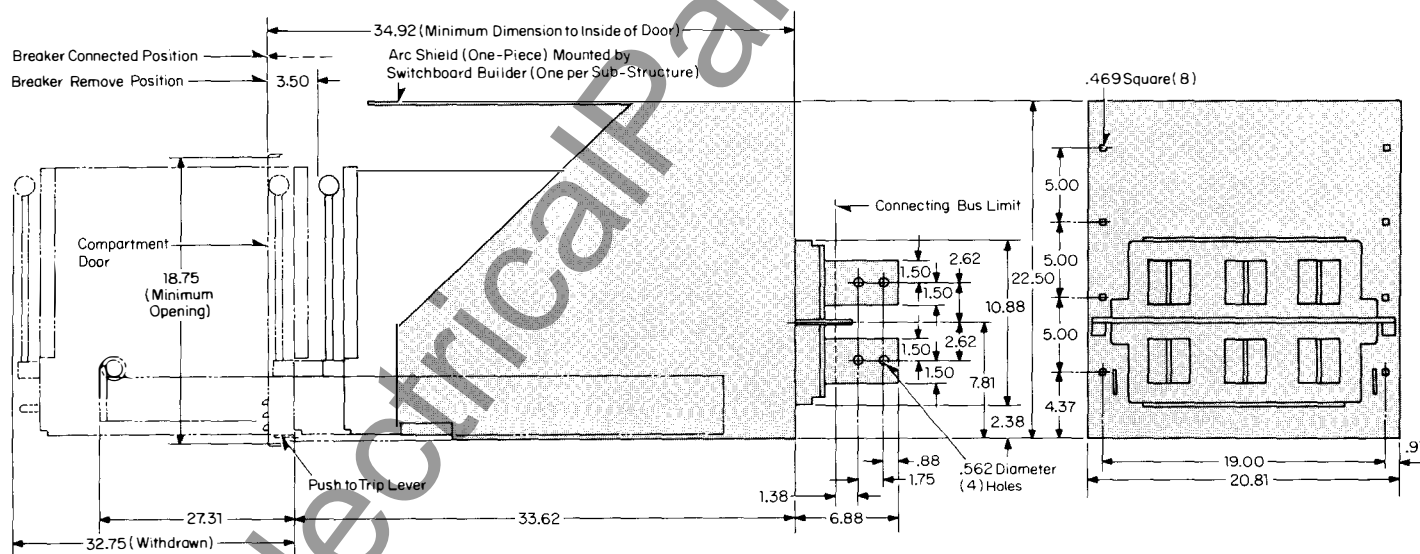
Side View

Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DSL-206



Top View (Without Breaker)



Side View

Rear View

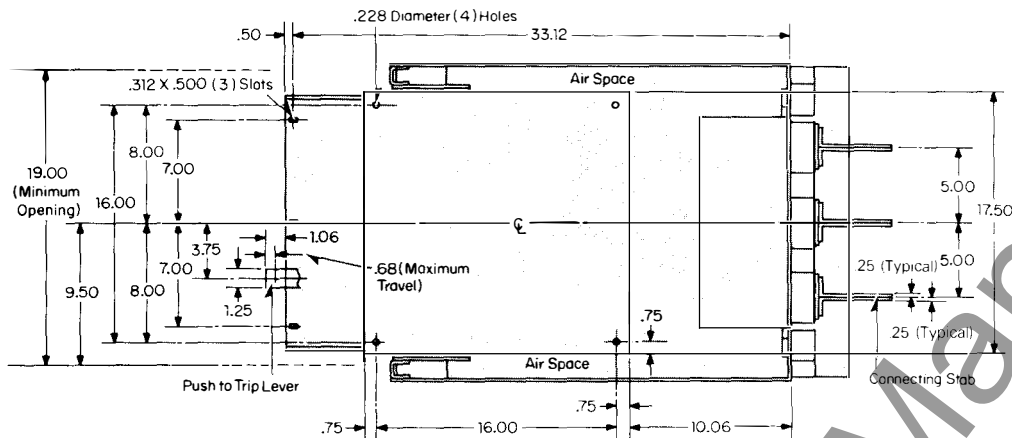
WARNING:

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 151D757 for Reference).
- 3) Riser stabs are not included.

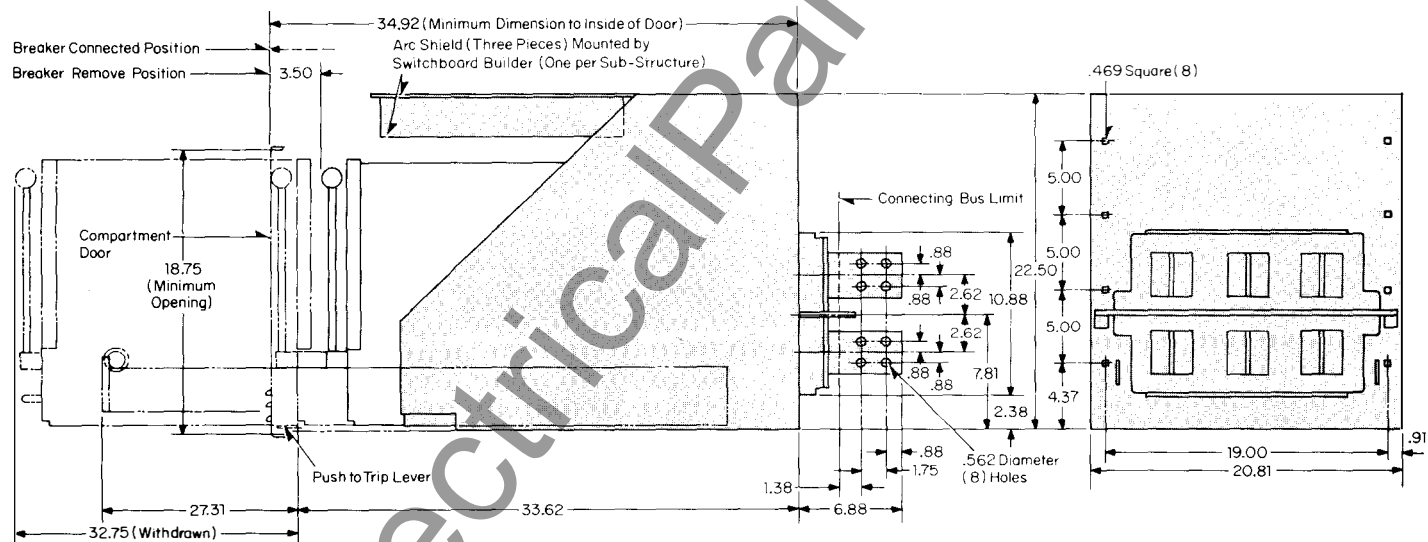


Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DSL-416



Top View (Without Breaker)

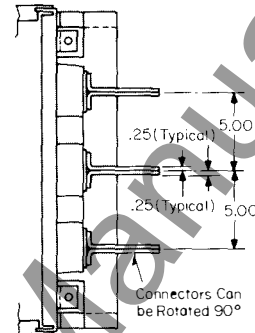
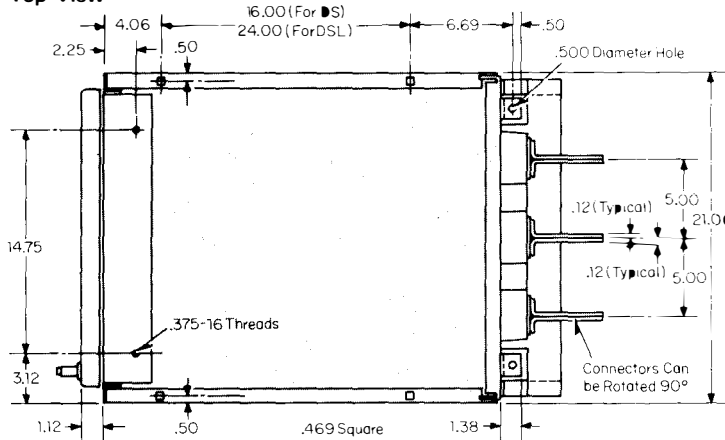
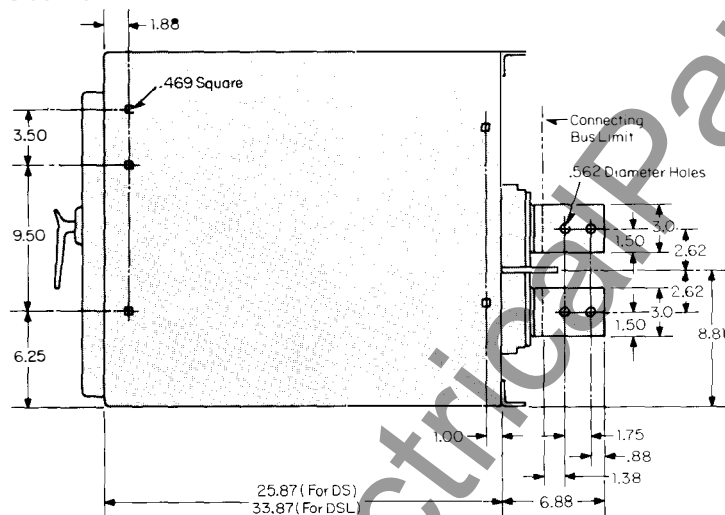
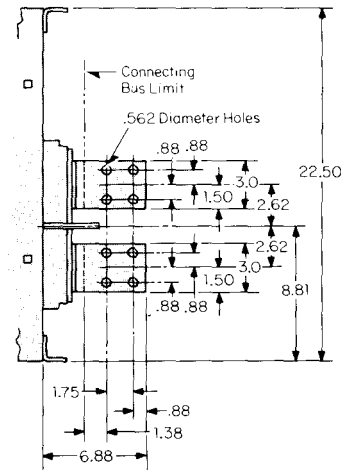
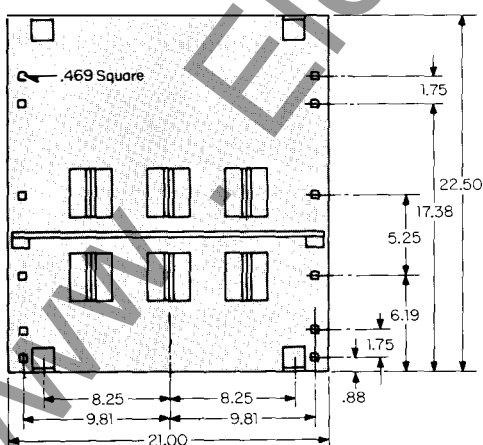


Side View

Rear View

WARNING:

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 151D757 for Reference).
- 3) Riser stabs are not included.

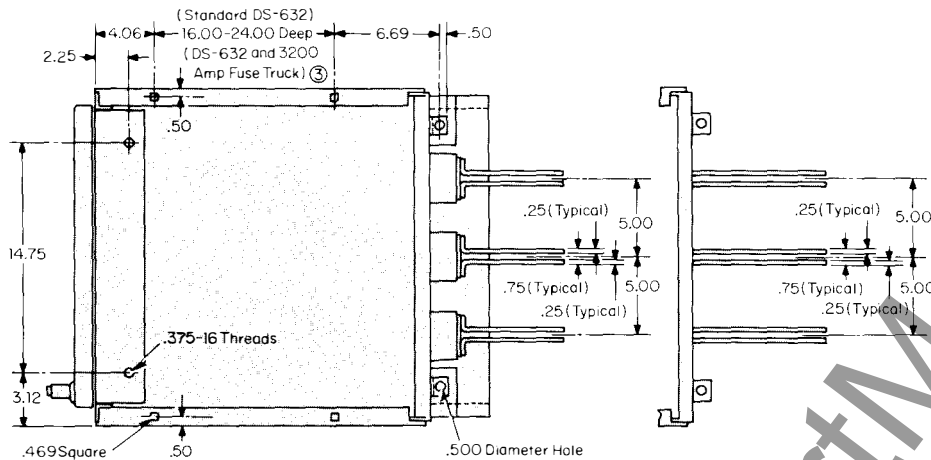
**Standard Individual or Stack-up Unit for 3 Position Drawout Breakers** (Dimensions in Inches Approximate)**Type DS-206/206S/416/416S/420 and DSL-206/416****Top View****Side View****Type DS-206 and
DSL-206 Connections****Type 206S/416/416S/420
DSL-416 Connections****Rear View****WARNING:**

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 151D757 for Reference).
- 3) Riser stabs are not included.



Type DS-632 with 3200 Amp Fuse Truck

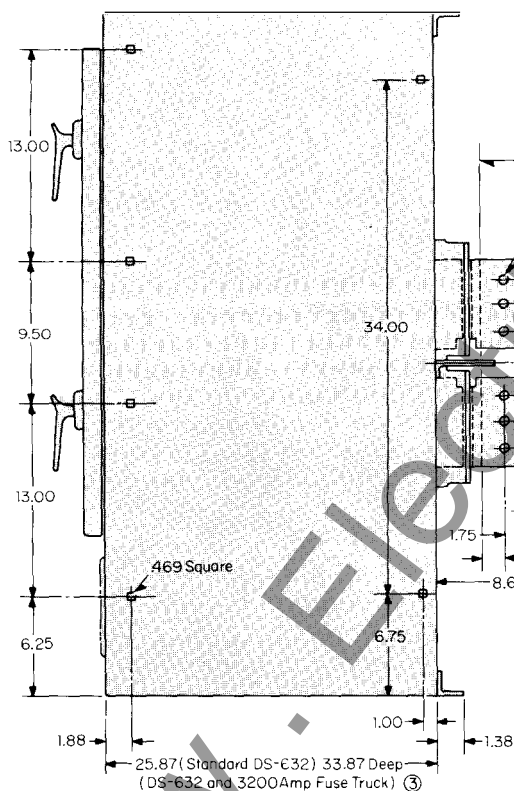
Top View



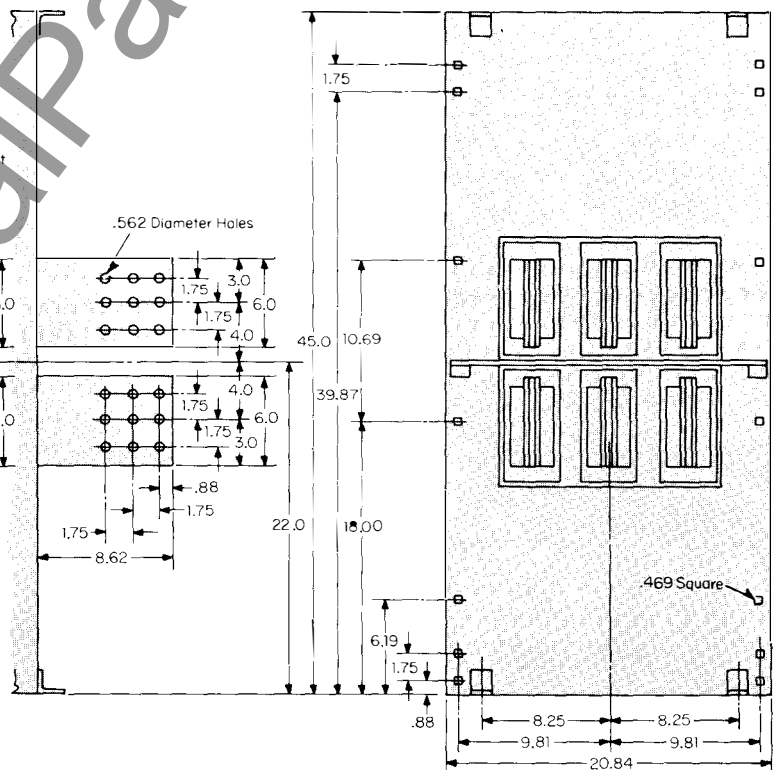
WARNING:

- 1) Insulation and Ventilation Must Meet 568F541 and 568F544 for Fuse Truck.
- 2) Insulation Supplied With Standard and Deep DS-632 Boxes Must be Mounted on Compartment or Roof above Breaker. (See 151D757) No Insulation Required for Fuse Truck.
- 3) Deep Boxes used in Line-up With DSL Breakers.

Side View



Rear View



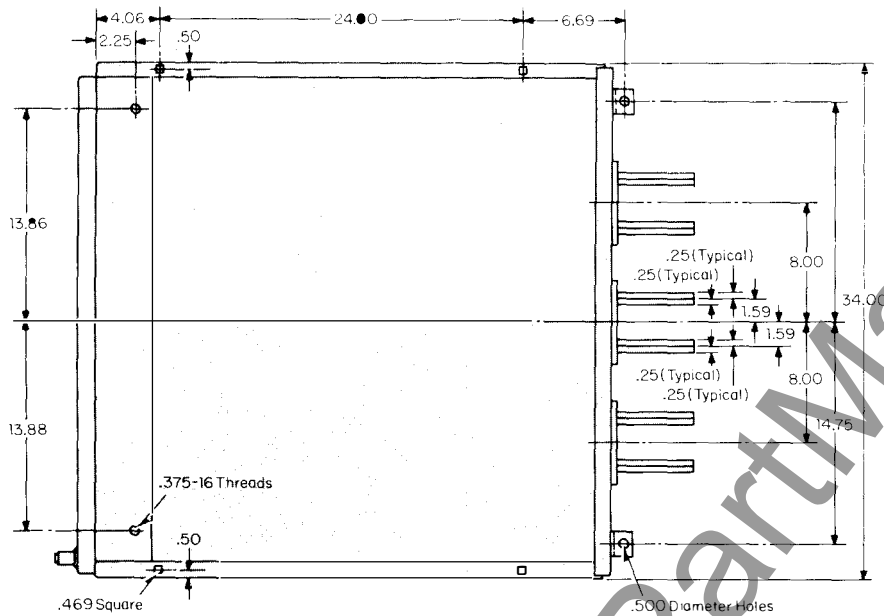
Breaker Box (Rear)

Fuse Truck (Rear)

Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

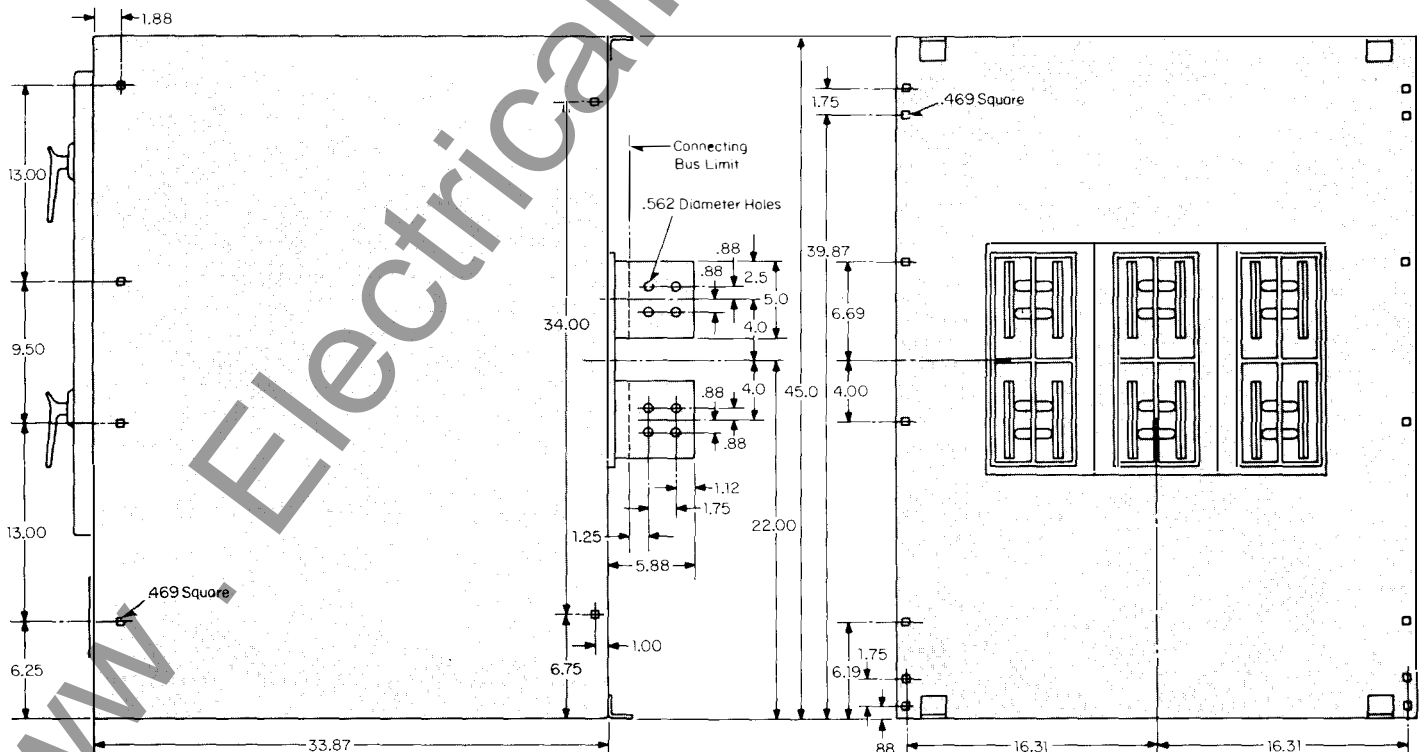
Type DS-840 with 4000 Amp Fuse Truck

Top View

**WARNING:**

- 1) Insulation and Ventilation Must Meet 568F541 and 568F544 for Fuse Truck.
- 2) Insulation Supplied With DS-840 Box Must be Mounted on Compartment above Breaker. (See 151D757).
No Insulation Required for Fuse Truck.

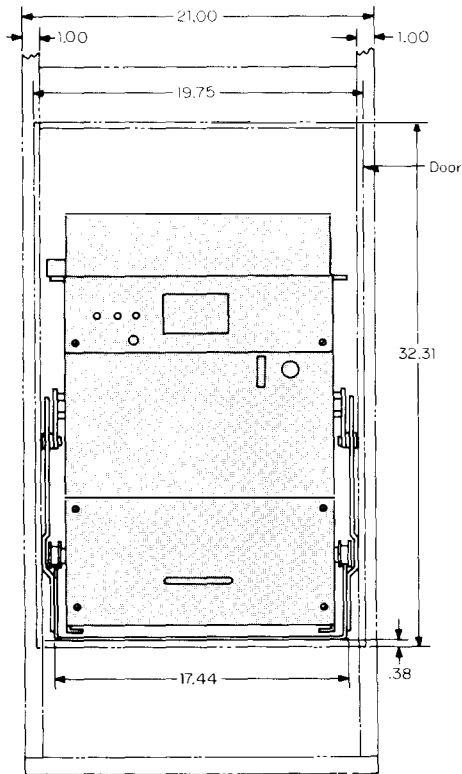
Side View



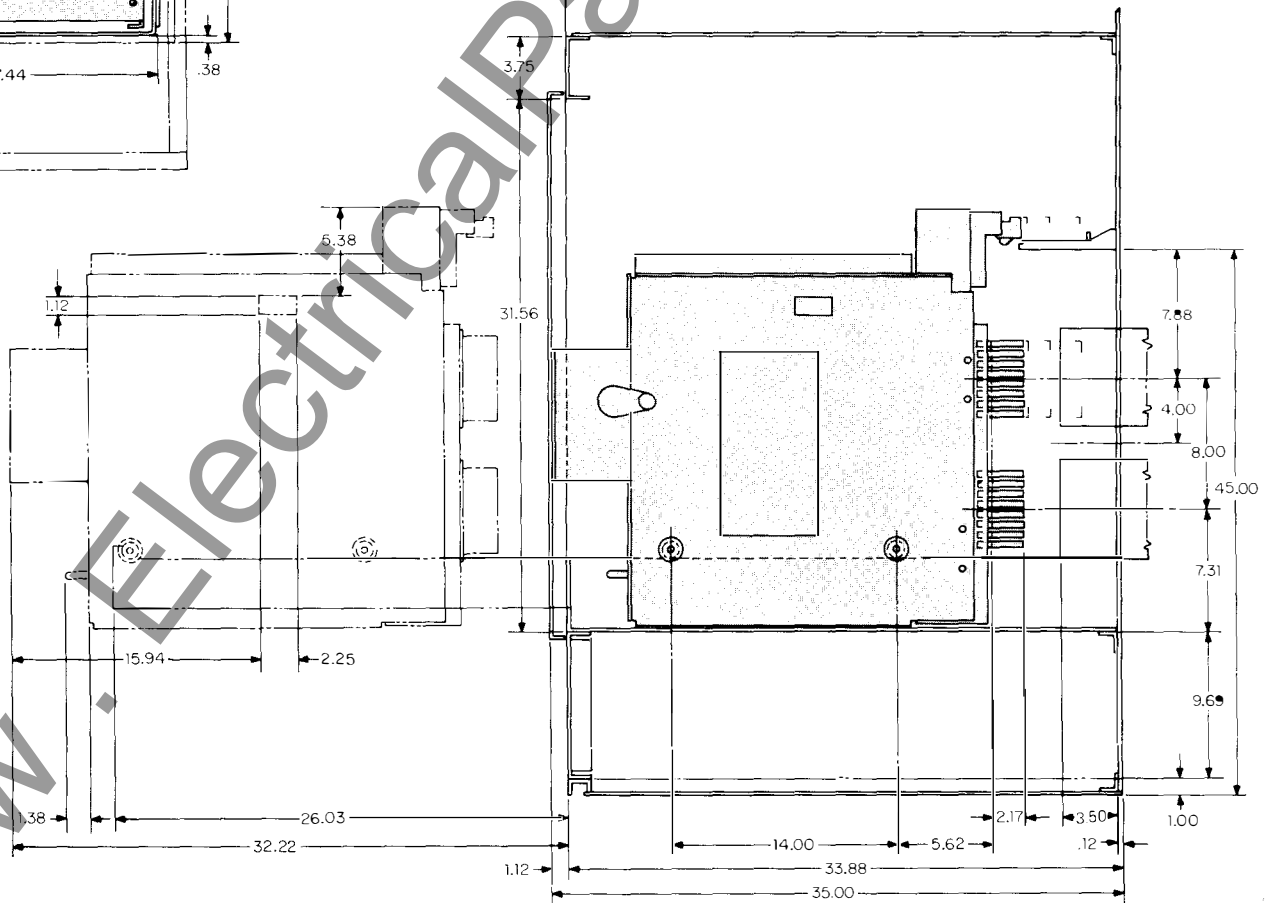


Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DS-3200 Fuse Truck



Front View



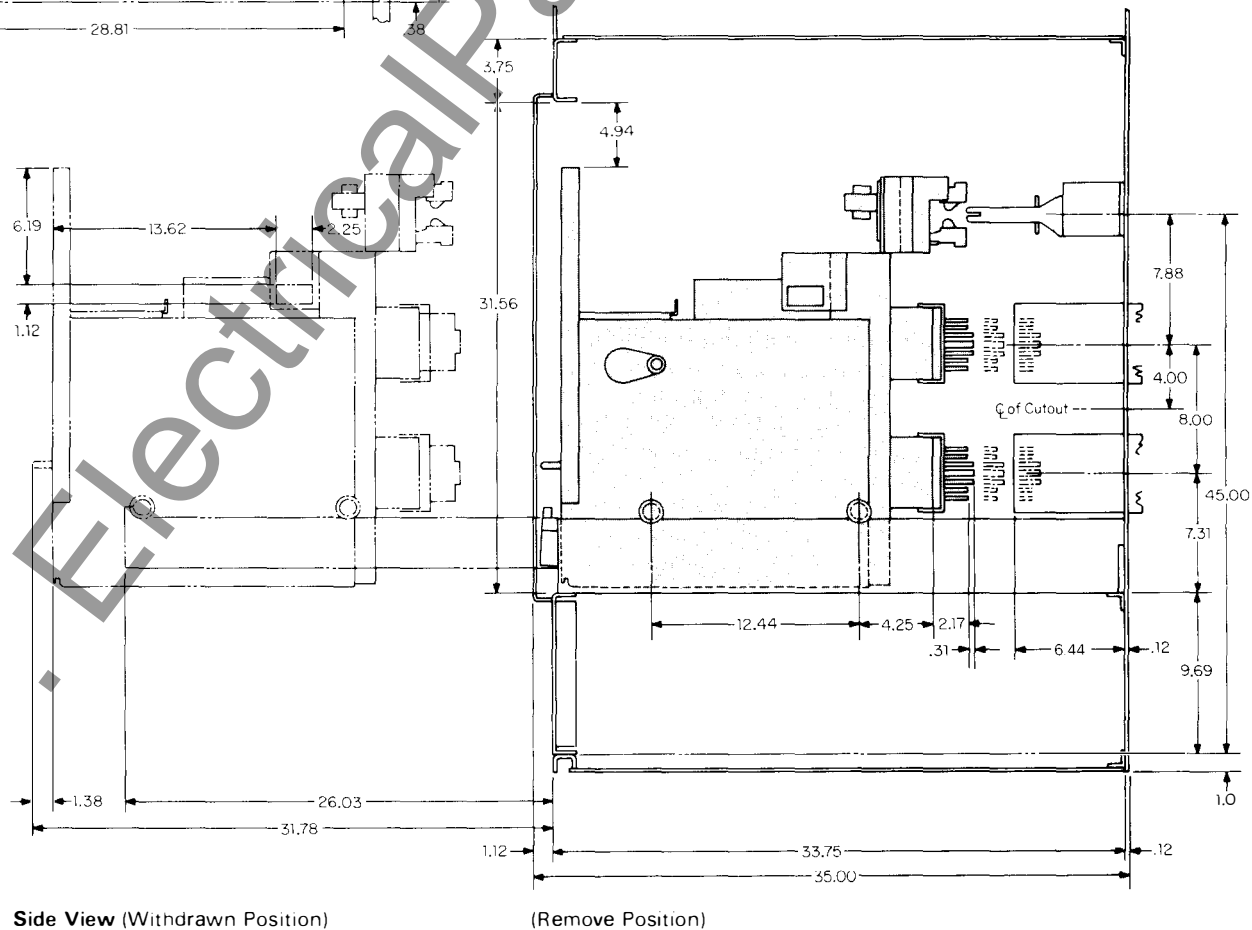
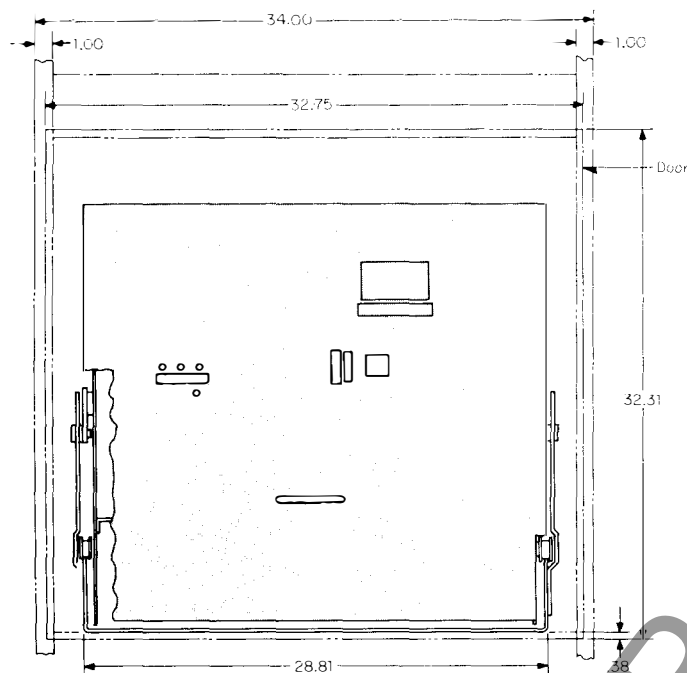
Side View (Withdrawn Position)

(Remove Position)



Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DS-4000 Fuse Truck







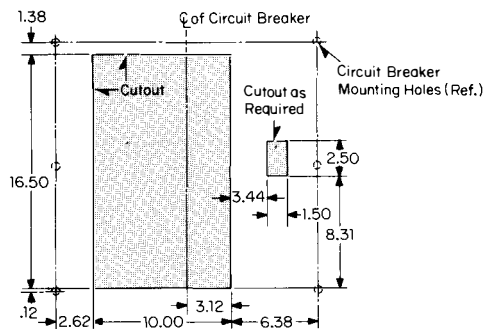
September, 1975
New Information
E, D, C/1954/DS

Manually or Electrically Operated 3-Pole
22,000 to 85,000 Amp Interrupting Capacity

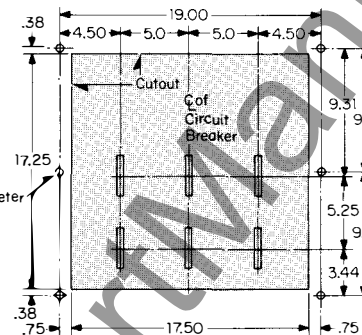
DS De-ion® Low Voltage Power Circuit Breakers

Standard Fixed Breakers (Dimensions in Inches Approximate)

Type DS-206/416/420

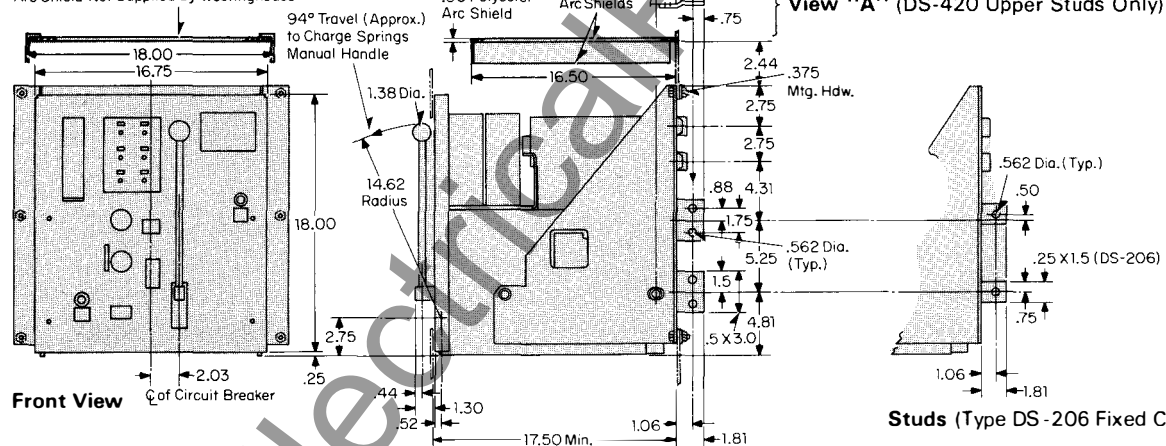


Recommended Cutout in Dead Front Door or Cover (Front View)



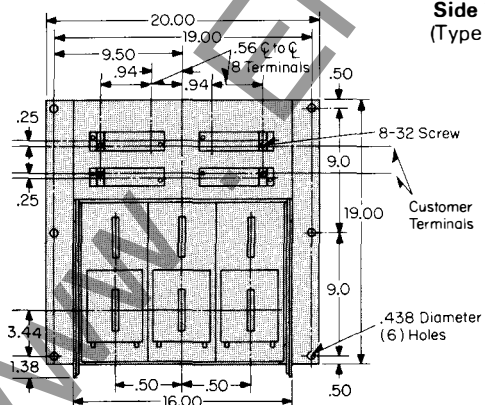
Stud Locations, Cutouts and Drilling for Mounting 3 Pole Circuit Breaker (Front View)

Note:
Arc Shield Not Supplied by Westinghouse



Front View

Side View (Type DS-416/420 Fixed Circuit Breaker)

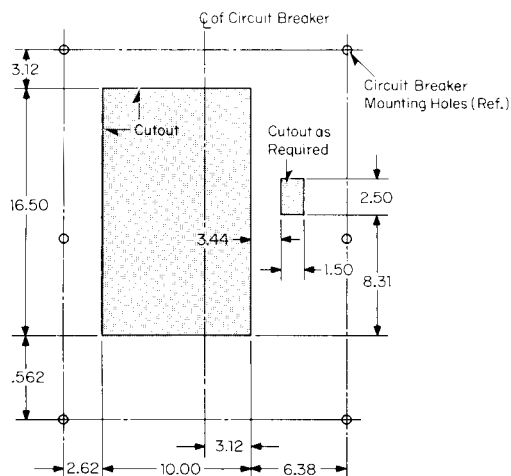


Rear View

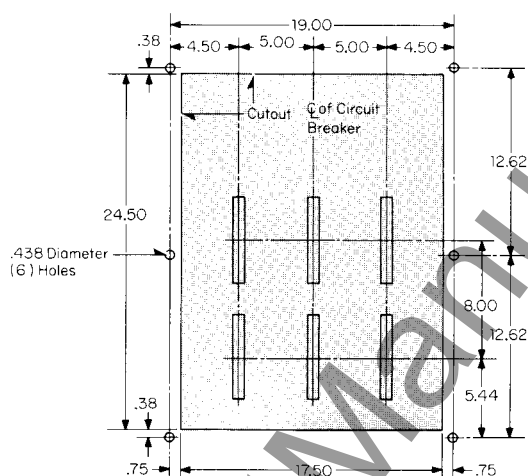
WARNING:

Ventilation and Insulation Must Meet 568F541

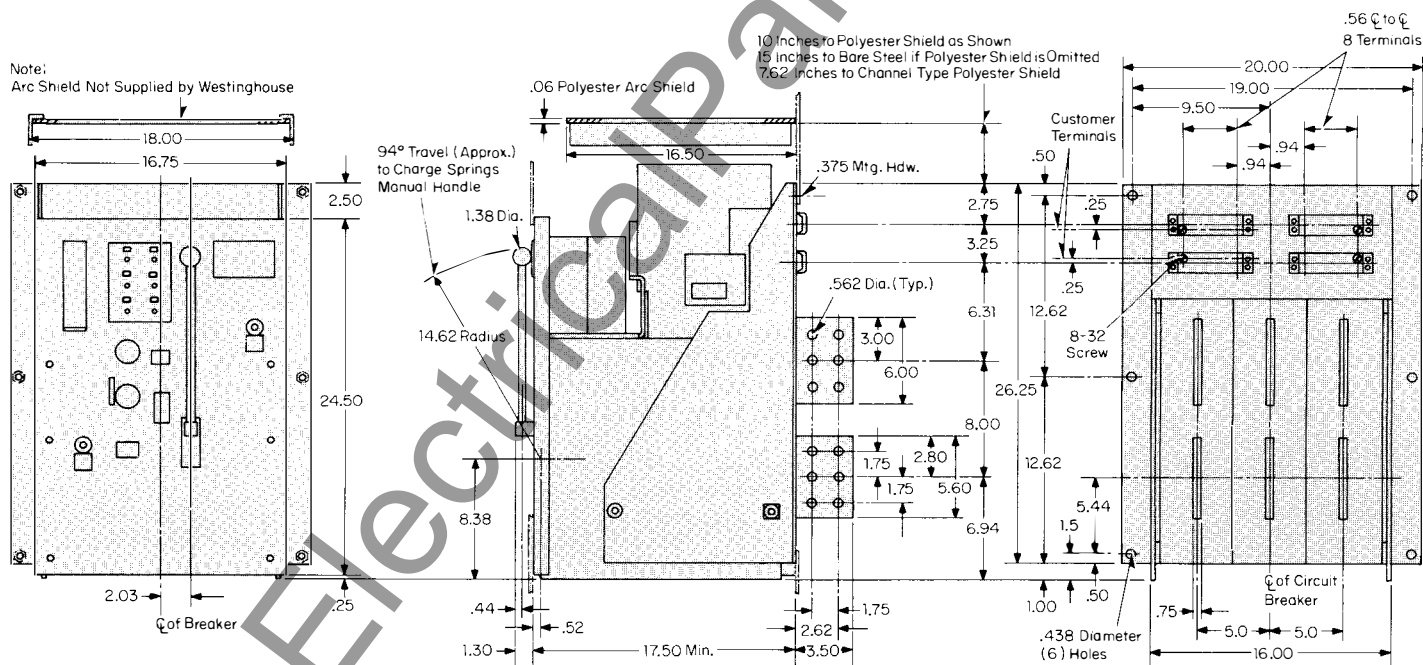
Type DS-632



Recommended Cutout in Dead Front Door or Cover (Front View)



Stud Locations, Cutouts and Drilling for Mounting 3 Pole Circuit Breaker (Front View)



Front View

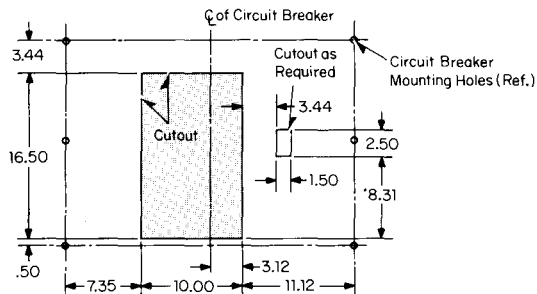
Side View

Rear View

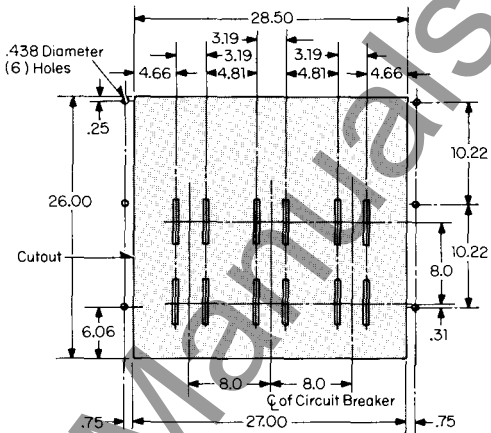
Ventilation and Insulation Must Meet 568F541

Standard Fixed Breakers *Continued* (Dimensions in Inches Approximate)

Type DS-840

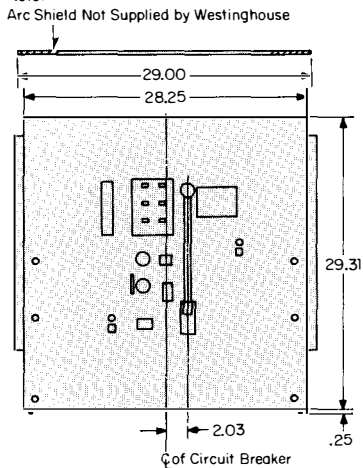


**Recommended Cutout in Dead
Front Door or Cover (Front View)**

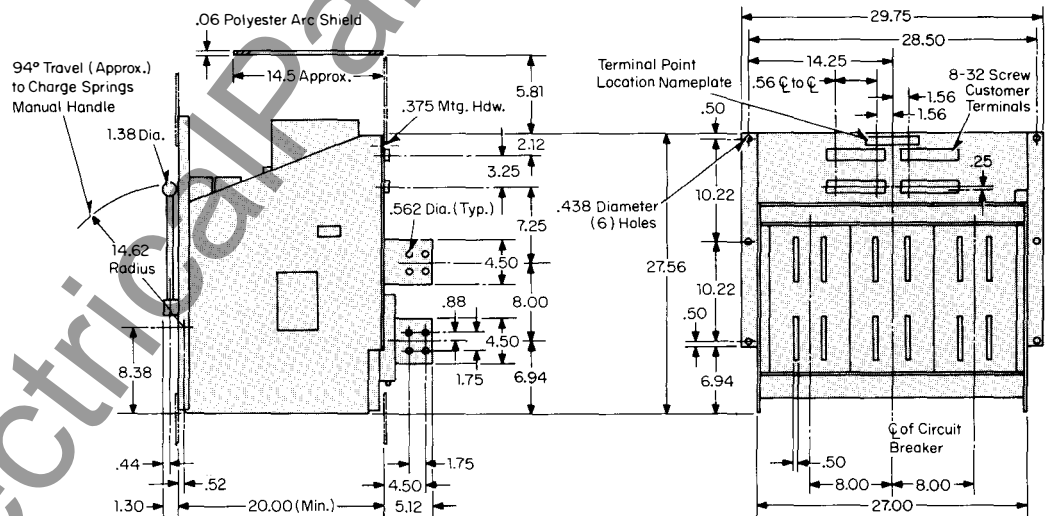


Stud Locations, Cutouts and Drilling for Mounting 3 Pole Circuit Breaker (Front View)

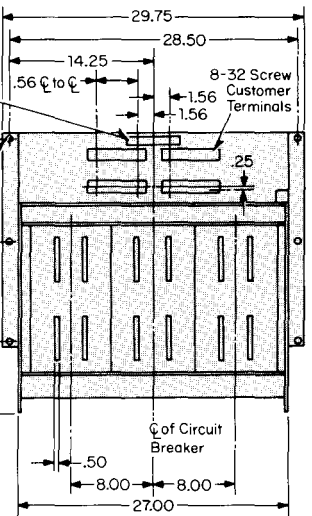
Note:
Arc Shield Not Supplied by Westinghouse



Front View



Side View



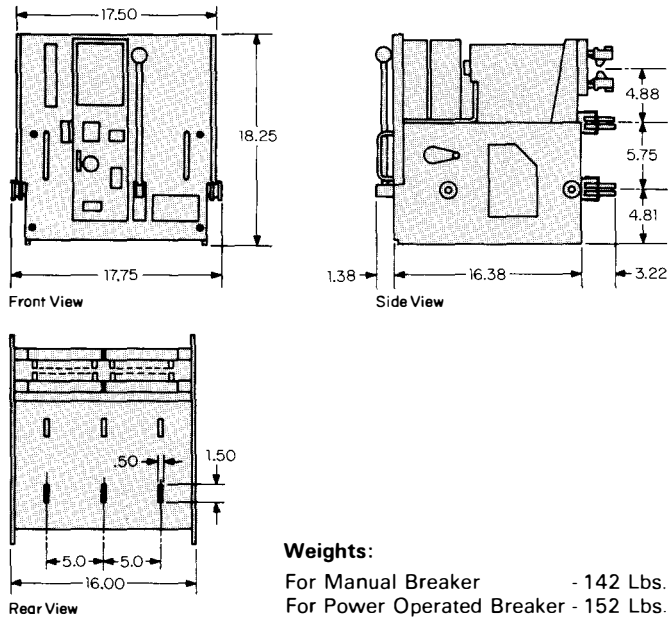
Rear View

WARNING:

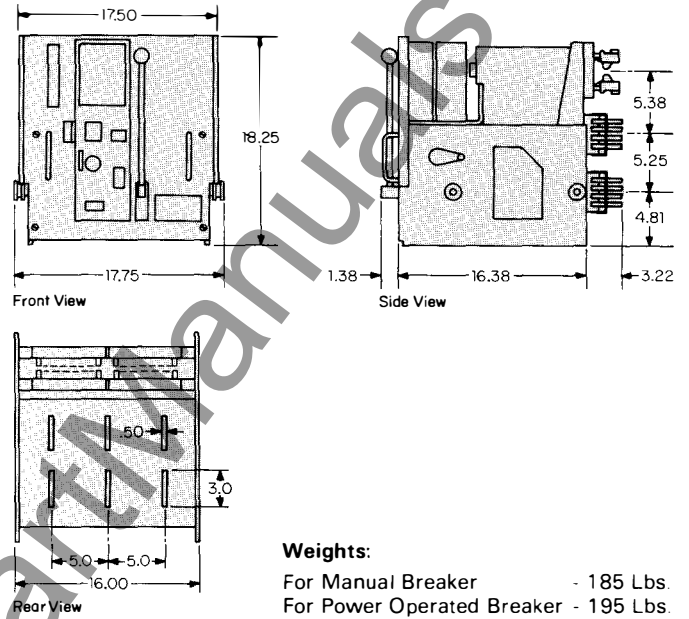
Ventilation and Insulation Must Meet 568F541

Standard Drawout Breakers (Dimensions in Inches Approximate)

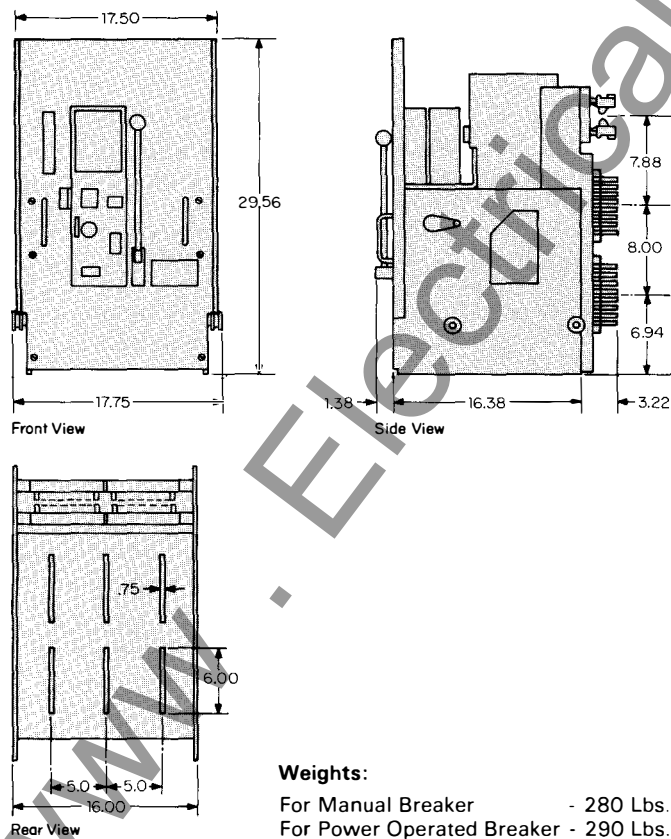
Type DS-206



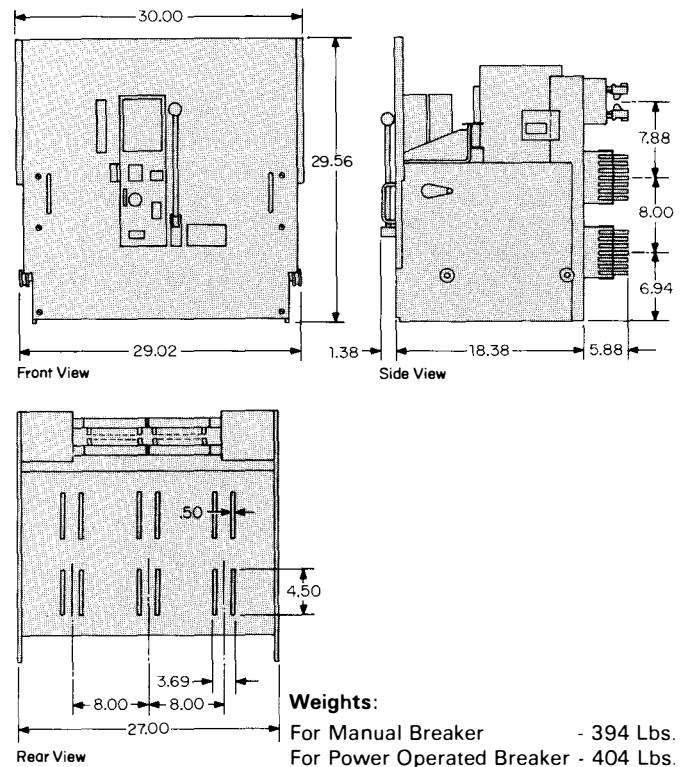
Type DS-416/420



Type DS-632



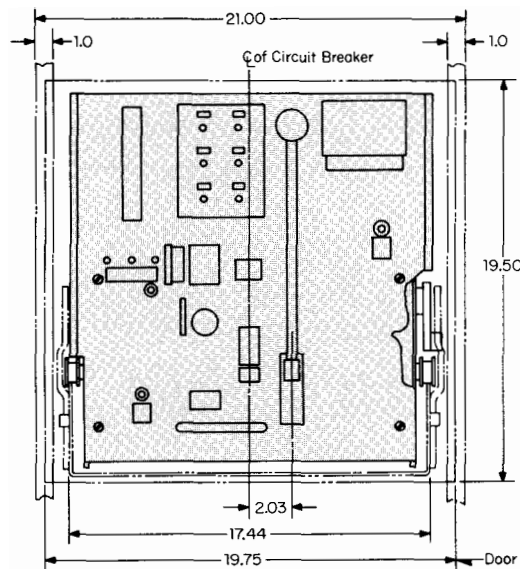
Type DS-840



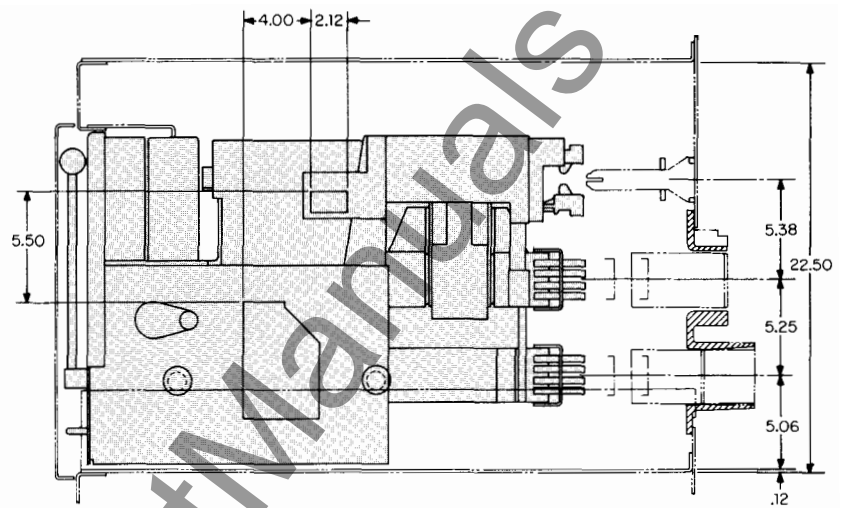


Standard Drawout Breakers Continued (Dimensions in Inches Approximate)

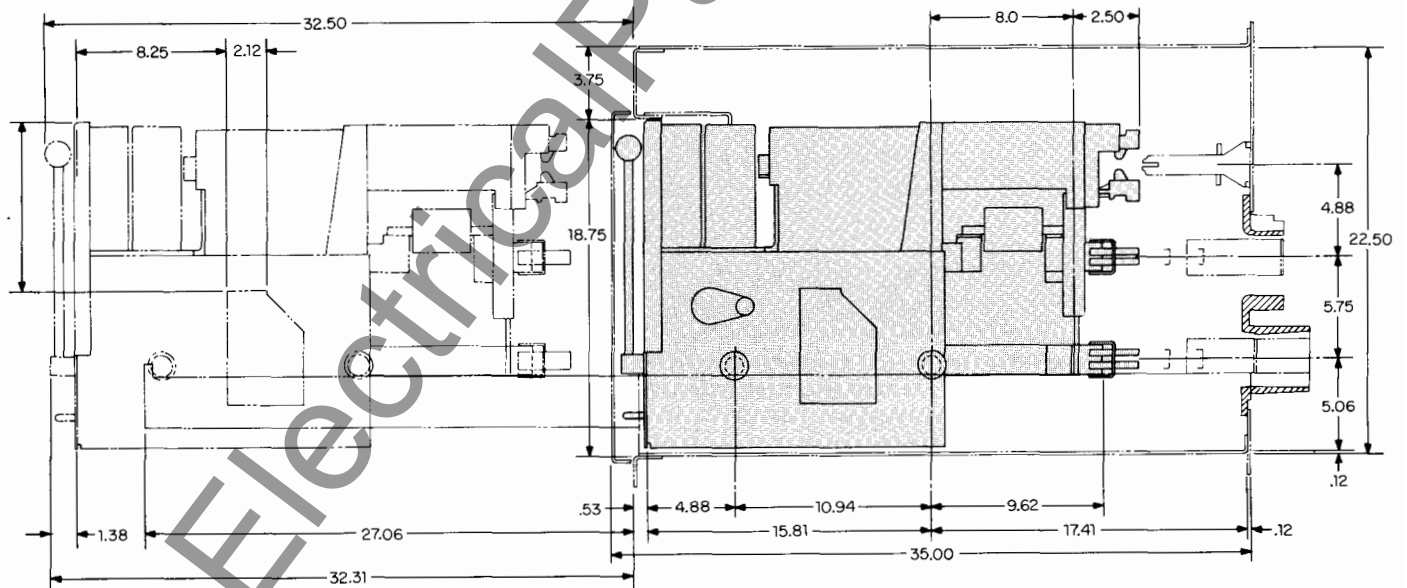
Type DSL-206 / 416



Front View



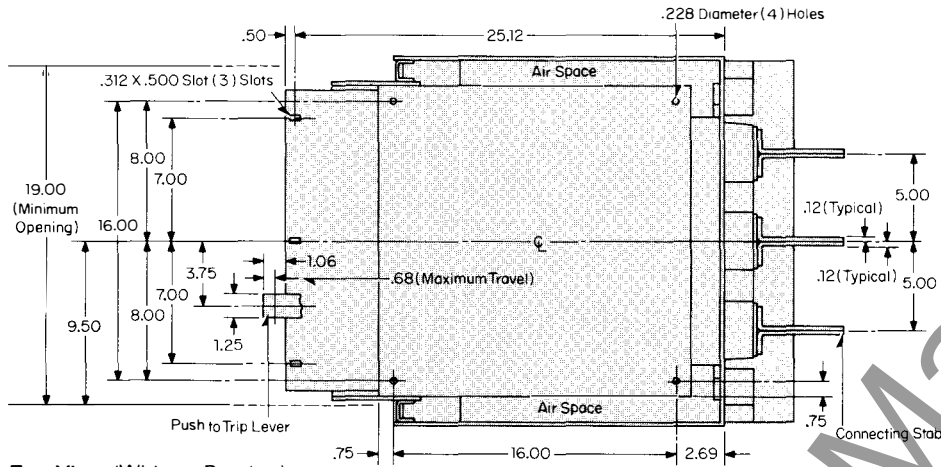
Type DSL-416
Side View



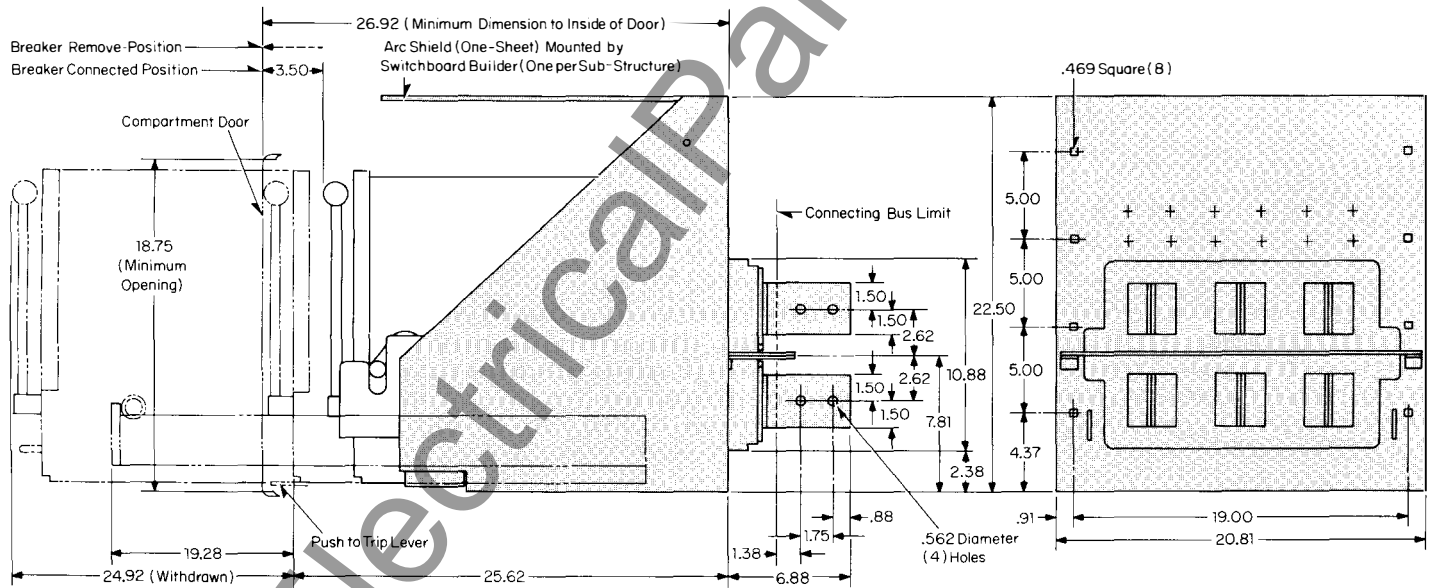
Type DSL-206
Side View

Standard Individual Substructures for 3 Position Drawout Breakers (Dimensions in Inches Approximate)

Type DS-206



Top View (Without Breaker)

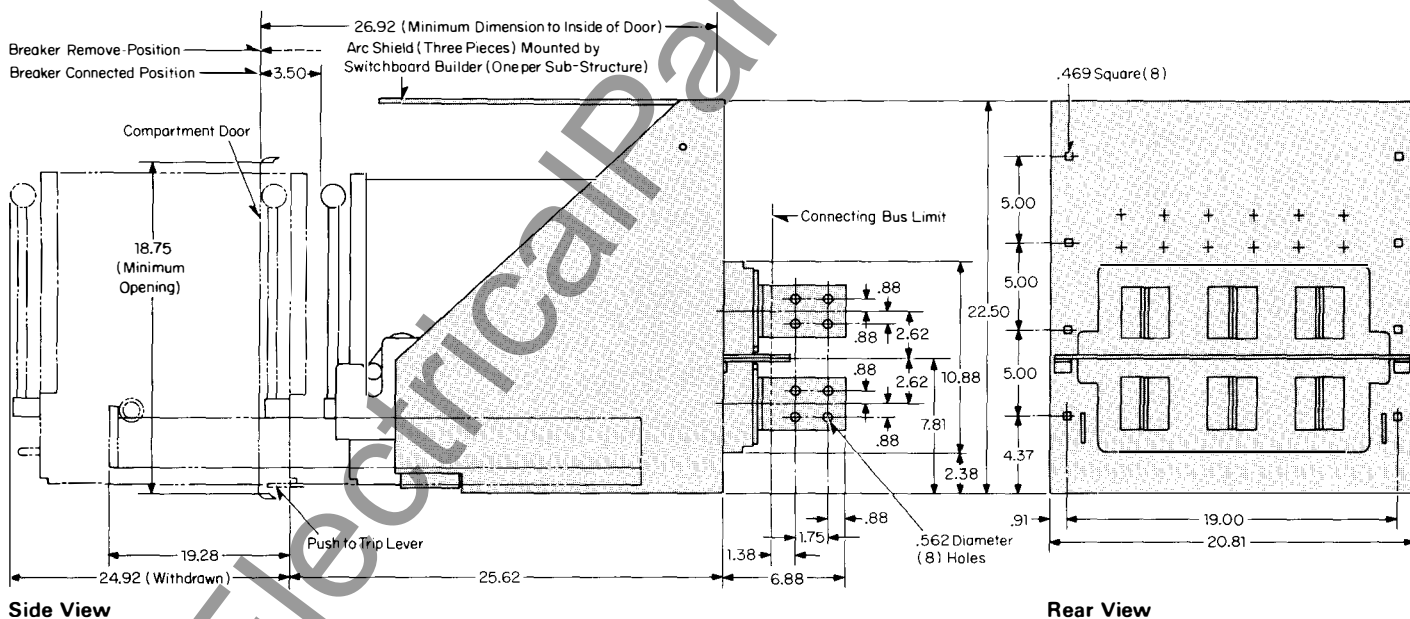


Side View

Rear View

WARNING:

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 586F542 for Reference)

[illegible]

- 1) Insulation and Ventilation Must Comply With 586F541
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 568F542 for Reference)

Type DS-632



- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 586F542 for Reference).





Technical drawing of a mechanical assembly, likely a door latch or handle mechanism, showing a side view with dimensions and labels.

Dimensions:

- Overall width: 33.12
- Overall height: 19.00 (Minimum Opening)
- Top edge offset: .50
- Top edge hole diameter: .228 Diameter (4) Holes
- Top edge slot width: .312 x .500 (3) Slots
- Top edge slot depth: 8.00
- Top edge slot offset: 7.00
- Top edge slot offset: 3.75
- Top edge slot offset: 1.06
- Top edge slot offset: .68 (Maximum Travel)
- Top edge slot offset: 1.25
- Top edge slot offset: 7.00
- Top edge slot offset: 8.00
- Top edge slot offset: 9.50
- Top edge slot offset: 16.00
- Top edge slot offset: 17.50
- Top edge slot offset: 5.00
- Top edge slot offset: 5.00
- Top edge slot offset: .12 (Typical)
- Top edge slot offset: .12 (Typical)
- Top edge slot offset: .75
- Top edge slot offset: .75
- Top edge slot offset: 10.06
- Top edge slot offset: 16.00
- Top edge slot offset: .75

Labels:

- Air Space
- Push to Trip Lever
- Connecting Stab

Technical drawing of a switchboard showing front and side views with dimensions and labels.

Labels:

- Breaker Connected Position
- Breaker Remove Position
- 34.92 (Minimum Dimension to Inside of Door)
- Arc Shield (One-Piece) Mounted by Switchboard Builder (One per Sub-Structure)
- Compartment Door
- 18.75 (Minimum Opening)
- Push to Trip Lever
- Connecting Bus Limit
- .562 Diameter (4) Holes
- .469 Square (8)

Dimensions:

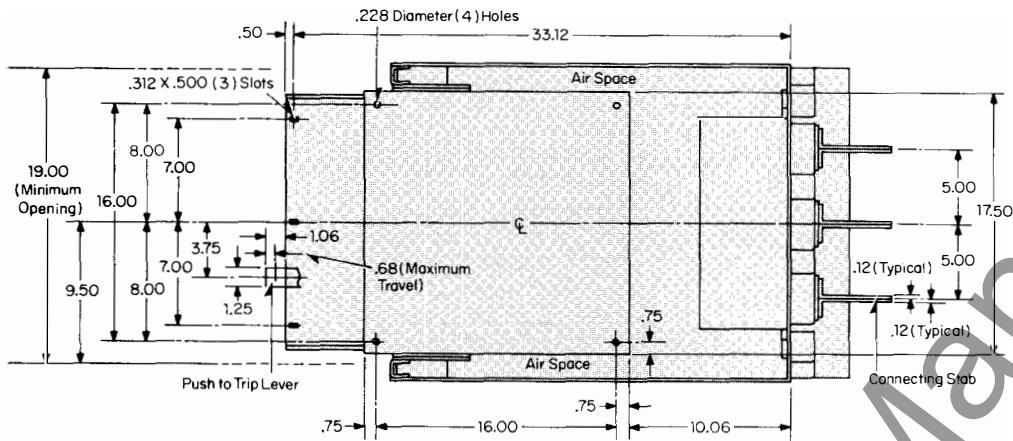
- 3.50
- 27.31
- 32.75 (Withdrawn)
- 33.62
- 1.38
- 6.88
- 1.50
- 2.62
- 1.50
- 10.88
- 7.81
- 2.38
- 22.50
- 5.00
- 5.00
- 5.00
- 4.37
- 19.00
- 20.81
- .9

Rear View

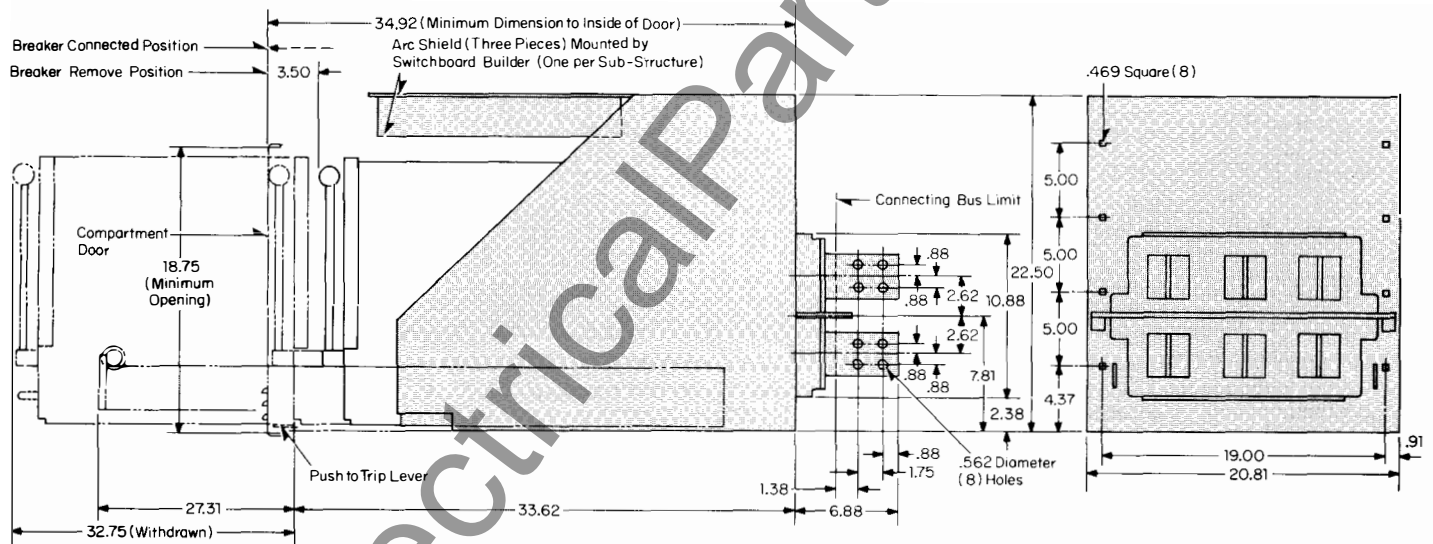
- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 586F542 for Reference).

Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DSL-416



Top View (Without Breaker)



Side View

Rear View

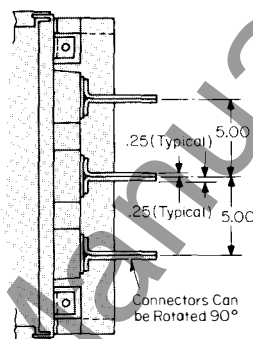
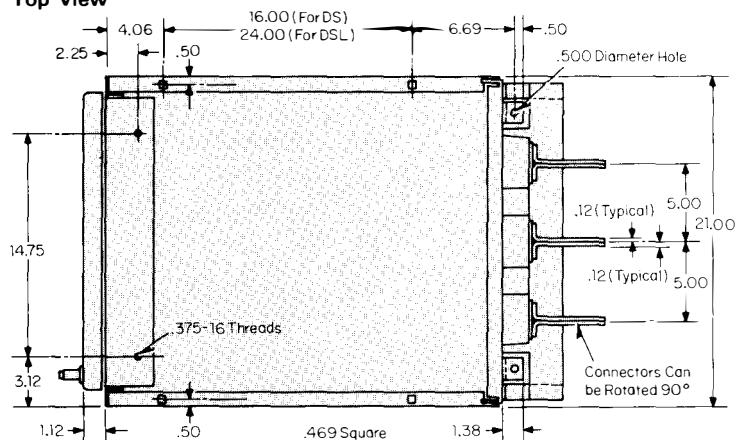
WARNING:

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above The Breaker. (See Drawing Number 568F542 for Reference)

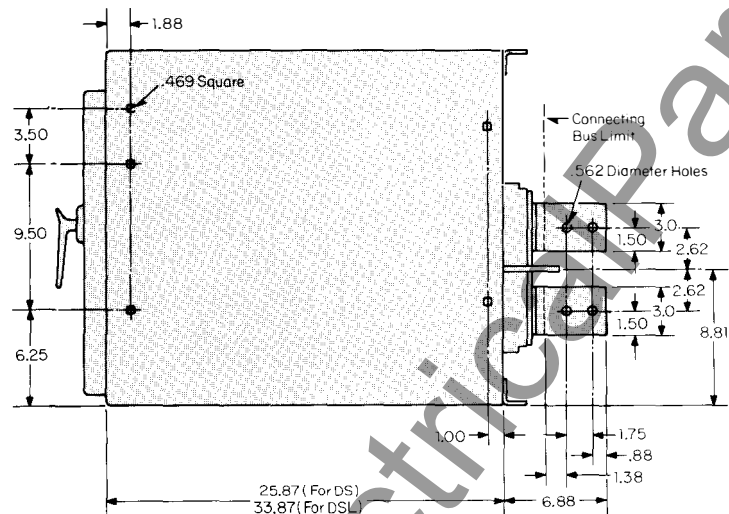


Type DS-206/416/420 and DSL-206/416

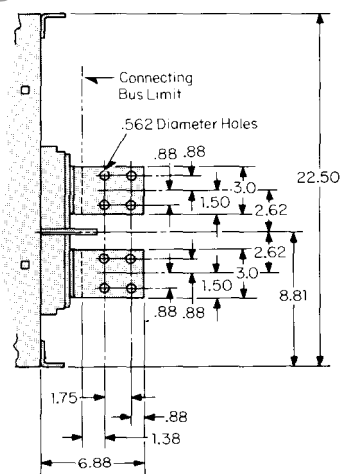
Top View



Side View

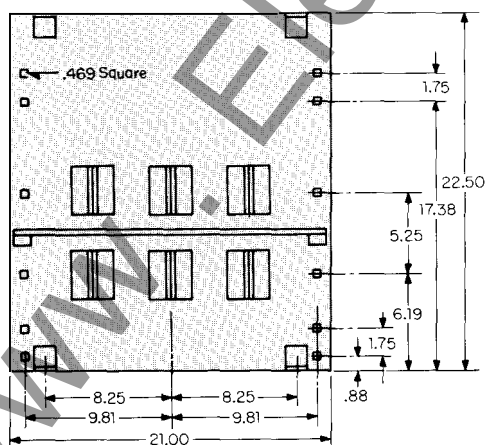


Type DS-206 and DSL-206 Connections



Type 416/420 and DSL-416 Connections

Rear View



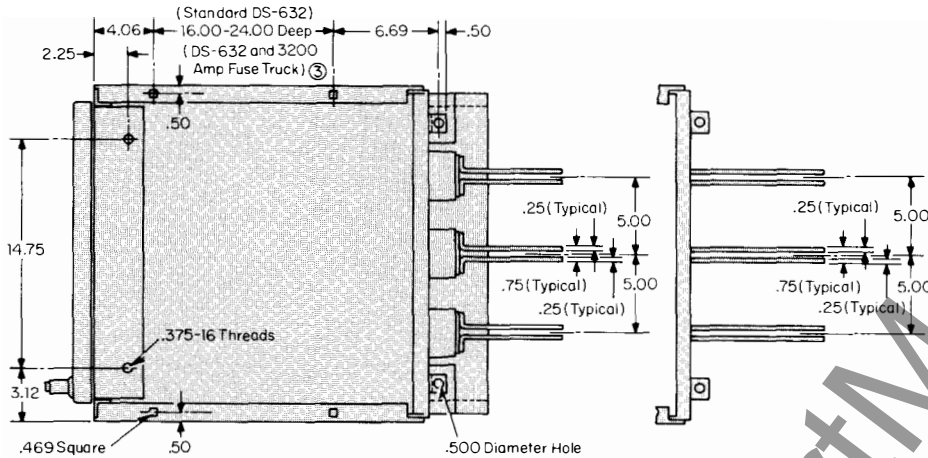
WARNING:

- 1) Insulation and Ventilation Must Comply With 586F541.
- 2) Insulation Supplied With Substructure Must be Mounted above the Breaker. (See Drawing Number 588F542 for Reference).

Standard Individual or Stack-up Unit for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DS-632 with 3200 Amp Fuse Truck

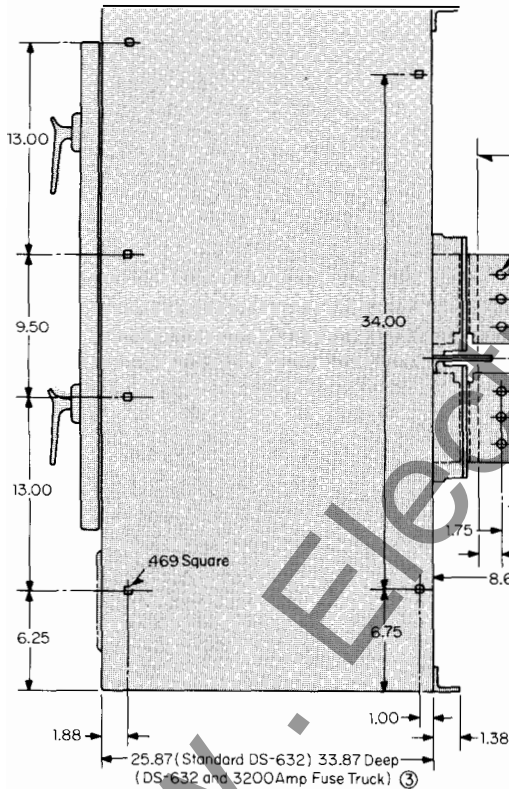
Top View



WARNING:

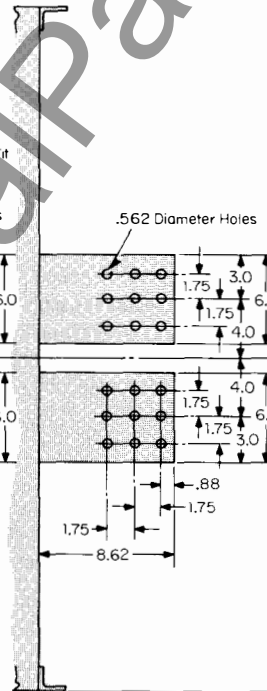
- 1) Insulation and Ventilation Must Meet 568F541 and 568F541 for Fuse Truck.
- 2) Insulation Supplied With Standard and Deep DS-632 Boxes Must be Mounted on Compartment or Roof above Breaker. (See 568F542) No Insulation Required for Fuse Truck.
- 3) Deep Boxes used in Line-up With DSL Breakers.

Side View



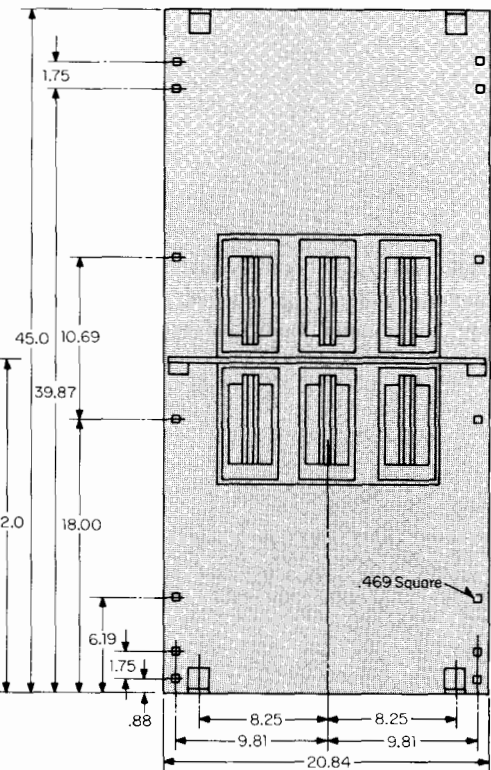
Breaker Box (Rear)

Fuse Truck (Rear)



Fuse Truck (Rear)

Rear View

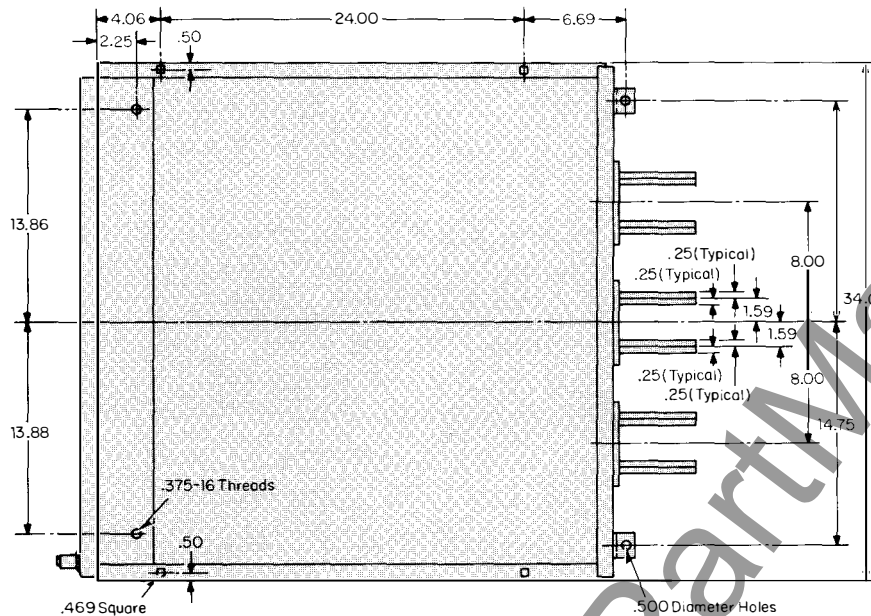




Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DS-840 with 4000 Amp Fuse Truck

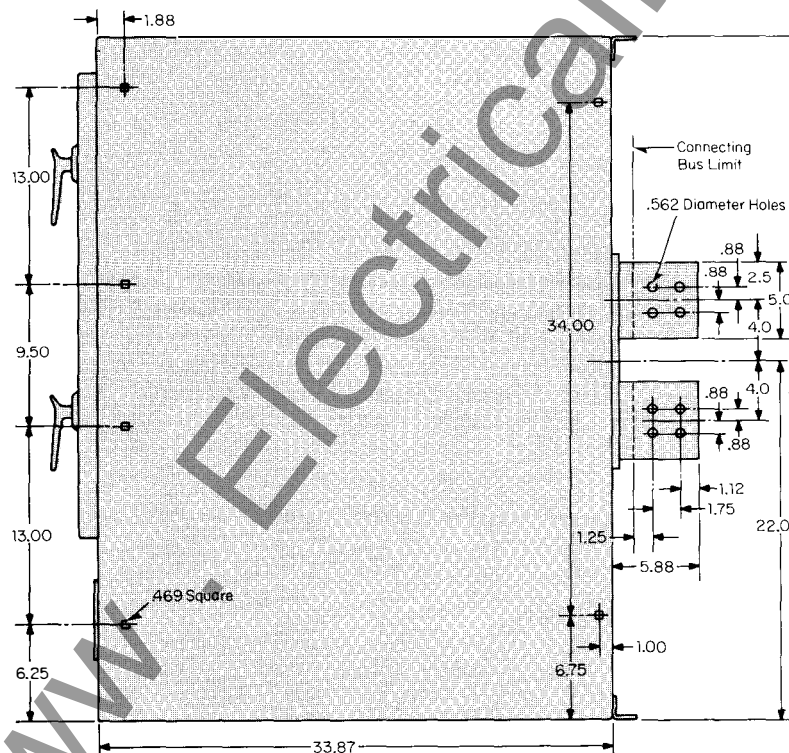
Top View



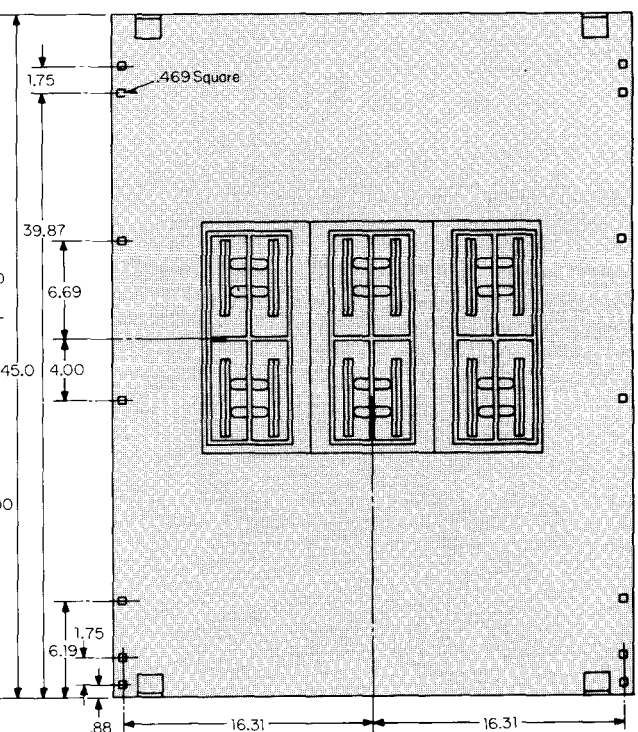
WARNING:

- 1) Insulation and Ventilation Must Meet 568F541 and 568F544 for Fuse Truck.
 - 2) Insulation Supplied With DS-840 Box Must be Mounted on Compartment above Breaker. (See 568F542)
- No Insulation Required for Fuse Truck.

Side View

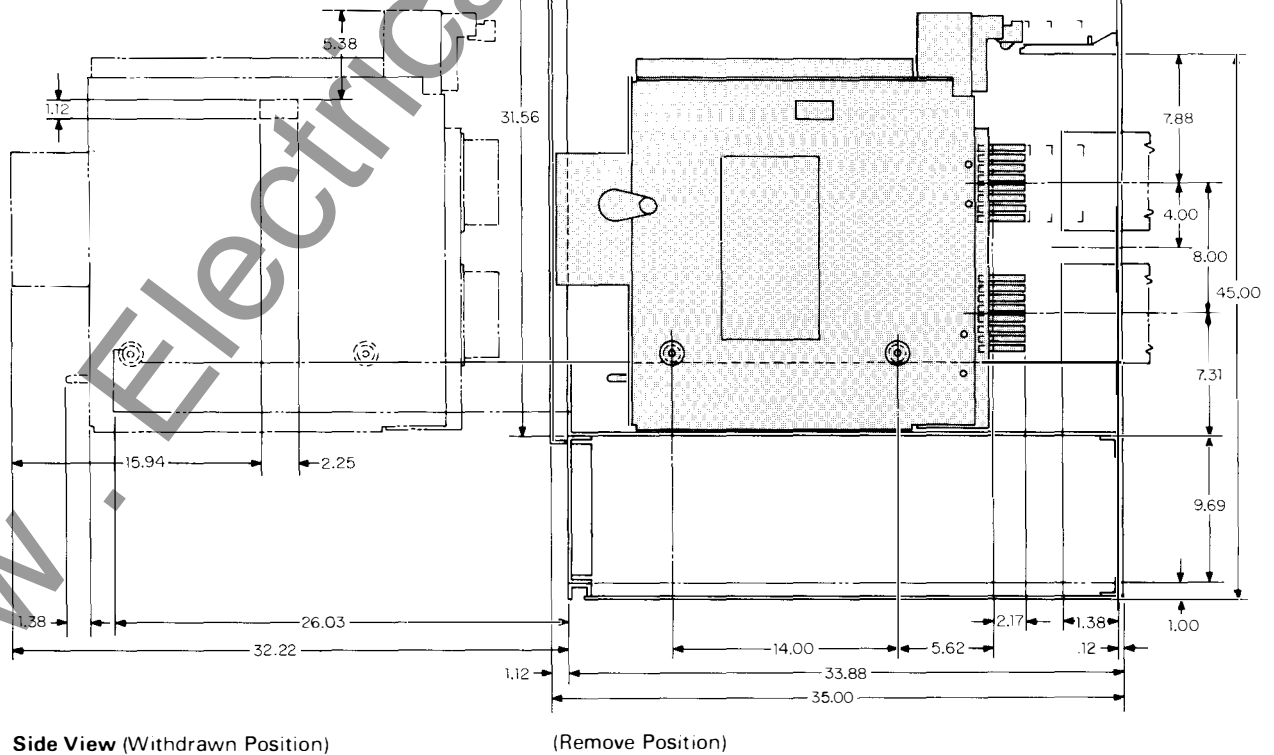
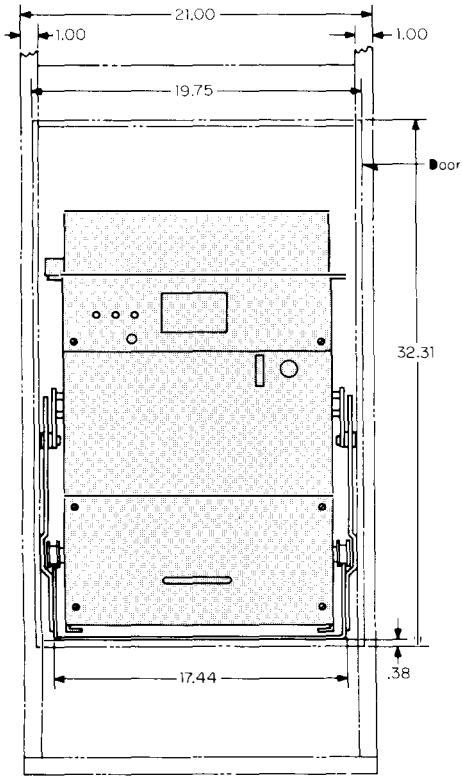


Rear View



Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

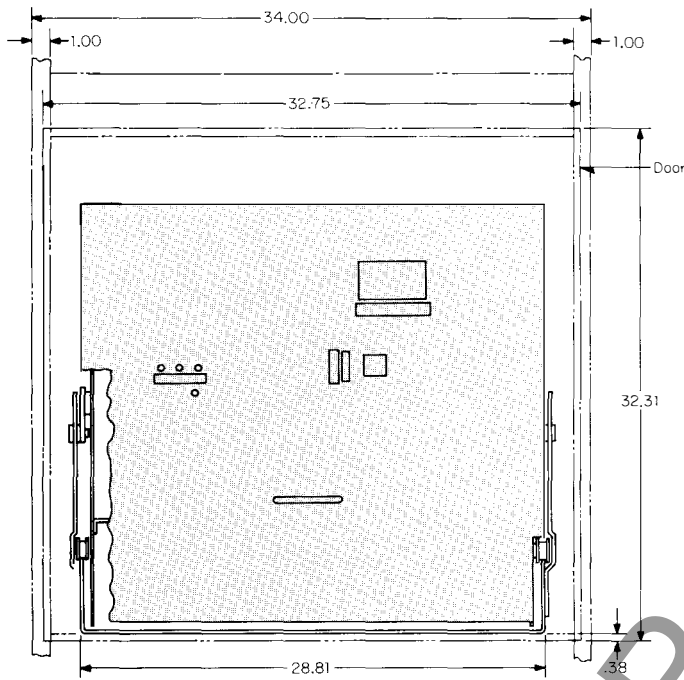
Type DS-3200 Fuse Truck



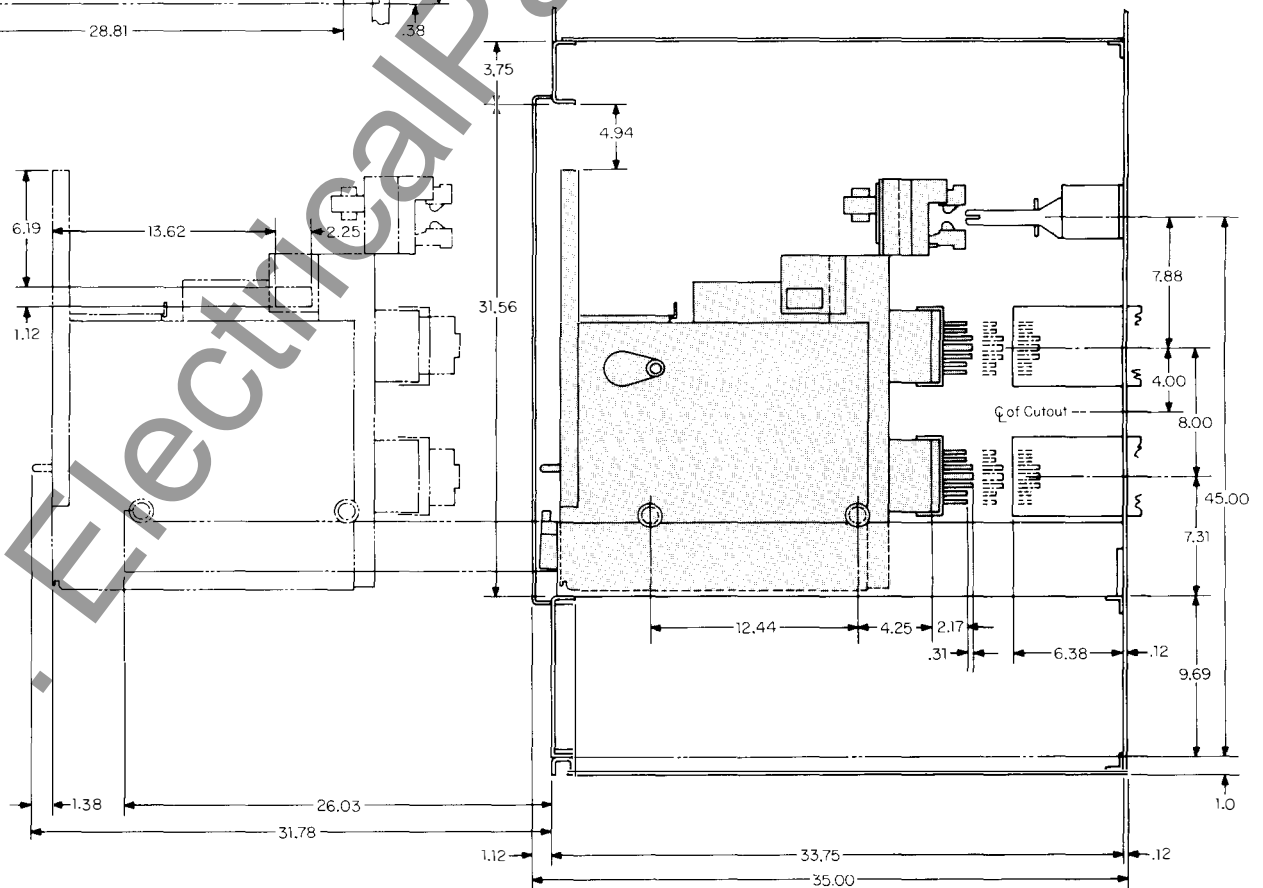


Standard Individual Substructures for 3 Position Drawout Breakers *Continued* (Dimensions in Inches Approximate)

Type DS-4000 Fuse Truck



Front View



Side View (Withdrawn Position)

(Remove Position)

