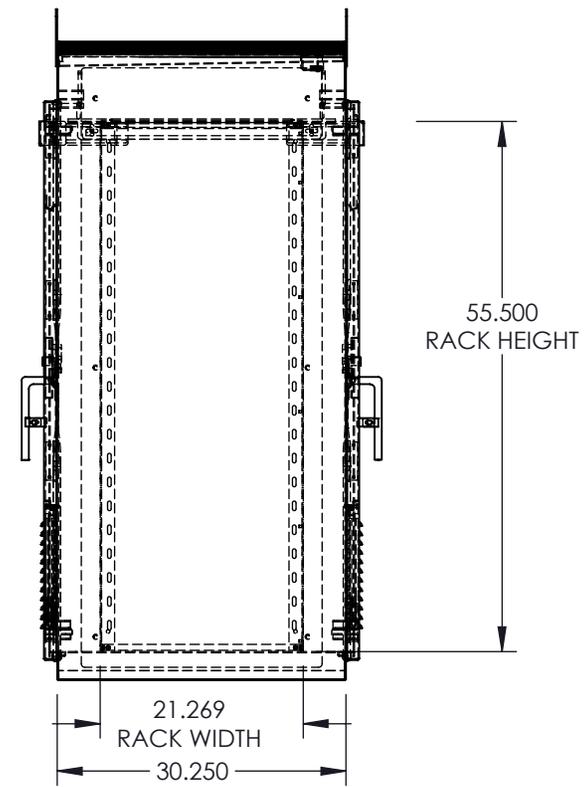
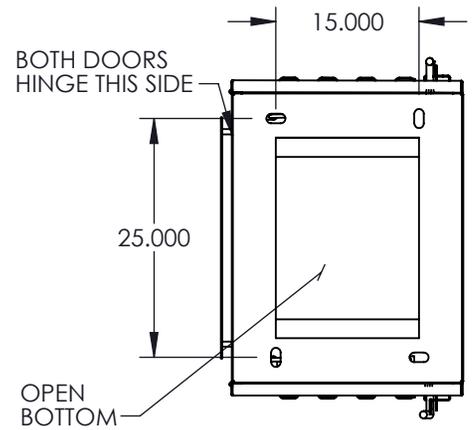


FRONT VIEW



RIGHT SIDE VIEW



BOTTOM MOUNTING PATTERN

NOTES:

1. CABINET IS CONSTRUCTED FROM .125" THICK 5052 H-32 ALUMINUM, MILL FINISH, TO NEMA 3R STANDARDS AND IS BASE MOUNTED.
2. FRONT DOOR IS HINGED ON THE LEFT (AS VIEWED FROM THE FRONT) REAR DOOR IS HINGED ON THE RIGHT (AS VIEWED FROM THE REAR).
3. BOTH DOORS HAVE LOUVERS WITH 12" X 16" METAL AIR FILTER AND LOUVERED FILTER COVER, THREE POINT LATCHING, (2) TWO POSITION DOOR STOPS (90 AND 120 DEGREES), A 3/4" DIA. STAINLESS STEEL PAD - LOCKABLE HANDLE WITH #2 MAIN DOOR LOCKS, DOCUMENT POUCH BRACKETS WITH ONE DOCUMENT POUCH, AND NEOPRENE GASKET ALL AROUND.
4. CABINET HAS FOUR 14 GA. STAINLESS STEEL HINGES PER DOOR, HINGES ARE CONCEALED TO PREVENT REMOVAL WHILE DOOR IS CLOSED.
5. CABINET HAS (1) 19" EIA RACK APPROX. 21.25"W X 21.21"D X 55.50" H WITH FRONT AND REAR DOOR SWITCH BRACKETS.
6. CABINET HAS FAN PLENUM PLATE FOR DUAL 4" FANS.
7. ALL HARDWARE IS STAINLESS STEEL.



Southern Manufacturing
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MATERIAL: 5052H-32 ALUMINUM .125"
 FINISH:

| | |
|------------|------------|
| NAME | DATE |
| LAB | 11/11/2009 |
| DRAWN By: | |
| CHECKED: | |
| MFG APPR: | |
| Cust APPR: | |

SOUTHERN MANUFACTURING CO.

P/N: 334-BM-SUBMITTAL
 334 CABINET ,BOTH DOORS HAVE LOUVERS NO SUNSHIELDS

Scale: 1:20 Sheet 1 of 1

Rev: 0
 SIZE **A**

PROPRIETARY AND CONFIDENTIAL

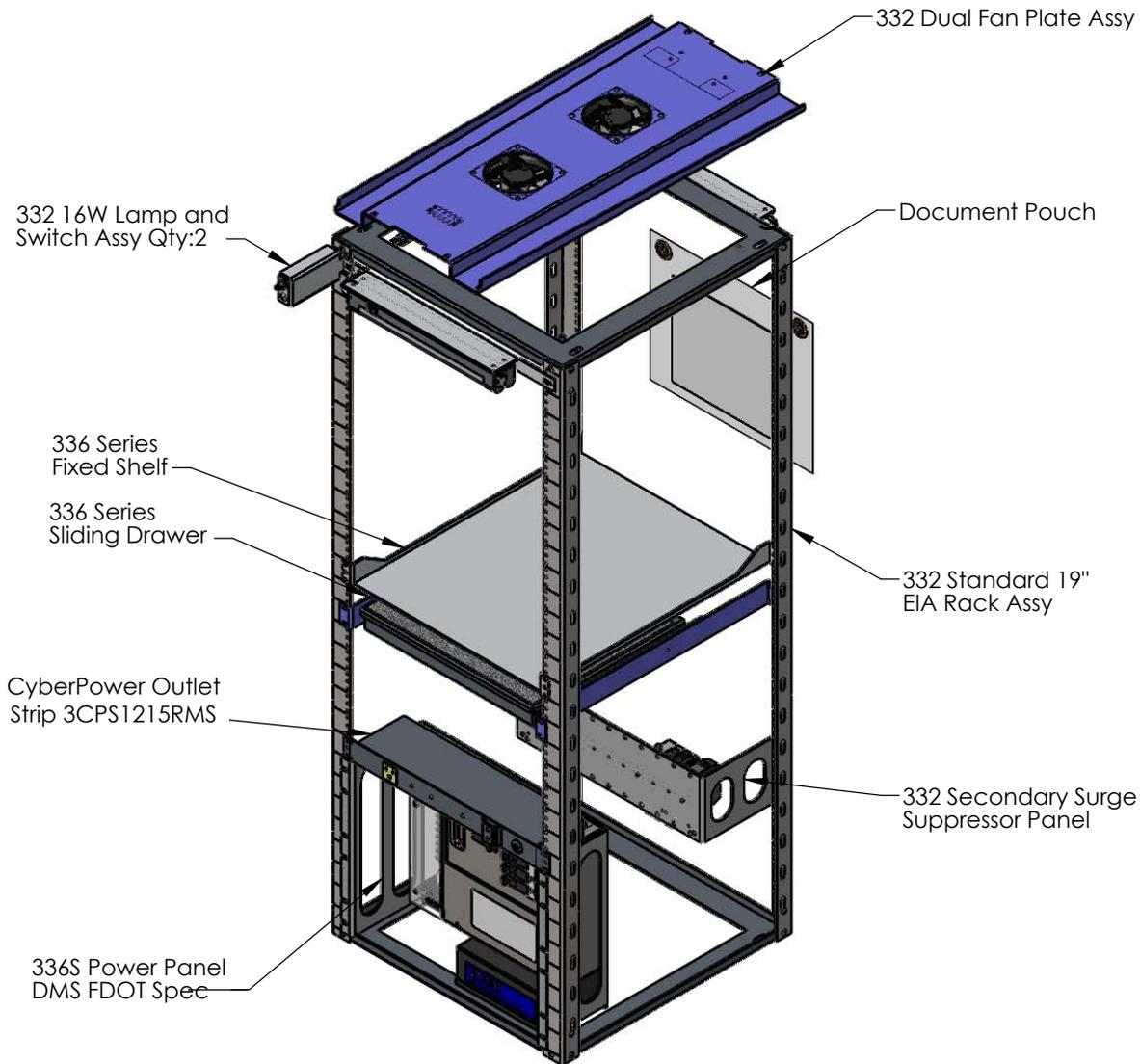
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**SOUTHERN MANUFACTURING
FDOT TYPE 334 ITS (DMS) CABINET SPECIFICATIONS
FOR DMS APPLICATIONS**

1. Southern's Type 334 (332), ITS Field Cabinet, is built to current FDOT Specification Section 785, and is FDOT certified, approval #78561712411011.
2. Cabinet (66.875"H. x 24.25"W. x 30.25"D.) is fabricated from .125" thk. aluminum, 5052-H32. Cabinet finish: unpainted, mill finish.
3. Cabinet constructed to NEMA 3R standards. Procedures, welders and welding operators conform to AWS requirements as contained in AWS B3.0 and C5.6 for aluminum. All exterior seams are continuously welded and are smooth. All exterior welds are made by the TIG welding process. All interior and exterior edges are free from burrs.
4. Cabinet is for base mounting with an open bottom (15" x 21"), and standard 332 anchor bolt hole pattern (15" x 25") is provide in the cabinet bottom, anchor bolts are not included.
5. Front door is hinged on left hand side (as viewed from front), and rear door is hinged on right hand side (as viewed from rear).
6. Front and rear doors, with Corbin style #2 lock for each door, each with two keys.
7. Padlockable 3/4" dia. stainless steel door handles, each door.
8. Three point door latching with stainless steel center cam, aluminum push rods & ball bearing nylon rollers for top and bottom strikers, each door.
9. (2) Two position door stop rods (90° & 120°) each door.
10. (4) 14 Ga. stainless steel hinges per door. Door hinge pins are spot welded. Door hinges are concealed mounted and are not removable without opening door.
11. Doors are designed for 100-pound-per-vertical-foot of door height load. Louvers are provided in front and rear doors, each with (1) washable, metal air filter (12" x16") and louvered metal filter cover. Filter secured by spring-loaded upper clamp.
12. Door openings are double flanged, all around. Doors are provided with permanently bonded, neoprene gaskets. A top gasket support angle is provided to support the top gasket on the door.
13. Screened vented top. Top is crowned to prevent standing water.
14. Fan plenum plate for dual 4" dia. fans and thermostat mounting bracket.
15. (1) 19" EIA rack frame, with yellow zinc plated 10 Ga. steel rack angles, tapped #10-32 holes on standard EIA spacing, rack frame approx. 21.25" W x 21.21" D x 55.50" H (31 R.U.)
16. Stainless steel cabinet hardware, Type 304.
17. Document brackets mounted on front and rear doors, with (1) 12" x 15" plastic document pouch (with brass eyelets) mounted on rear door.
18. (2) lamp/door switch brackets, attached to top most position in EAI rack frame, front & rear. Each lamp/door switch bracket is provided with accommodations for (2) door switches and (2) 8 watt fluorescent cabinet light fixtures.
19. (1) rack mounted adjustable shelf, full width, full depth, 1 R.U. high. Fabricated from .125" thk. aluminum, 5052-H32, mill finish.
20. (1) rack mounted storage drawer with telescoping drawer guides to allow full extension from the rack frame. Drawer has a hinged lid to allow access to storage space, lid has textured surface. Drawer dimensions, approx., 1.75" H. x 16" W. x 14" D. Drawer is fabricated from .090" thk. aluminum, 5052-H32, brushed finish. Drawer is designed to support 20 lbs.
21. (2) cabinet lift eyes, with 1" dia. lift hole, each lift eye designed to support 1000 lbs.
22. Manufacture's cabinet label is provided on inside of main front door, with Southern's name, APL certification number, along with month & year of manufacture. Engraved metallic plate, with cabinet serial number, is epoxied to the inside of the upper right-hand cabinet side wall.
23. Cabinet equipped with, and wired for:
 - a. (2) 4", 112 CFM, ball bearing, 120 Vac fans.
 - b. (1) fan thermostat.
 - c. (1) 1 A. fuse & fuse holder for fans.
 - d. (1) r/c noise suppressor networks, for fans.
 - e. (4) 8 watt, fluorescent cabinet lights (2-front mounted & 2-rear mounted), each fixture with clear shatter proof lens. Light fixtures are mounted to lamp/door switch bracket, with bracket attached to top most rack position.

**SOUTHERN MANUFACTURING
FDOT TYPE 334 ITS (DMS) CABINET SPECIFICATIONS
FOR DMS APPLICATIONS**

- f. (1) 5 A. fuse & fuse holder for lights.
 - g. (1) front & (1) rear, door switches for lights. Switches are located in the top position in the lamp/door switch bracket, with the bottom position left open (for optional door alarm switches).
 - h. (1) rack mounted power outlet strip w/ surge protection, CyberPower #CPS1215RMS, 15 A., 120 Vac, rack mounted, outlet strip/surge suppressor, 15 amp resettable breaker, on-off switch, 1800 joule suppression, 6 front 5-15R & 6 rear 5-15R outlets.
24. Cabinet equipped with (1) front rack mounted, recessed, power panel, equipped with and wired for:
- a. 19" wide recessed rack panel, approx. 14.00" high (8 R.U.). 6.625" deep, .125" thk aluminum.
 - b. 70 A., 120/240 Vac, 4W, split phase power.
 - c. (1) service entrance terminal block, Marathon #1204, 4P, #4 wire, 70 A.
 - d. (1) main power surge arrestor, Advanced Protection Technologies #TE01XCS104XA, 120/240 Vac, 100 kA rated.
 - e. (1) GE load center #TLM812SCU, 120/240 Vac, 125A., 8 space (16 half-height spaces), with neutral bar and cover
 - f. (1) 70 A., two pole, main breaker (back-fed), GE #THQL2170.
 - g. (1) 20 A., single pole, secondary breaker, for external UPS cabinet, GE #THQL1120.
 - h. (1) 15 A., single pole, secondary equipment breaker, GE #THQL1115.
 - i. (1) 15 A., single pole, secondary auxiliary breaker, GE #THQL1115.
 - j. (1) 50 A., two pole, DMS breaker, GE #THQL2140.
 - k. (1) 14-position copper ground bar, IlSCO #D167-14, located on rear of panel. Ground bar positions (taps) will accept #6 - #14 AWG wire. Ground bar equipped with (2) copper ground lugs, Panduit #CO70-14-QY, to accept #1 - #12 AWG wire.
 - l. (1) 6 position terminal block, Cinch #6-142.
 - m. (1) 120 Vac, 15 Amp, GFCI receptacle (auxiliary), Hubbell #GF15IL, mounted in handy box w/ metal cover plate.
 - n. (1) 120 Vac, 15 Amp, duplex equipment receptacle, Leviton #CR15IL, mounted in handy boxes w/ metal cover plates.
 - o. Silkscreened legend.
25. (1) rear rack mounted, recessed, DMS/ TVSS mounting panel for secondary surge arrestors, with:
- a. 19" wide recessed rack panel, 5.25" high (3 R.U.). 6.625" deep, .125" thk aluminum.
 - b. 16" DIN rail mounting track.
 - c. (1) DMS power termination terminal block, Marathon #1204, 4P, #4 wire, 70 A.
 - d. DMS power surge suppressor, Advanced Protection Technologies, 120/240 Vac, parallel connected, 50Ka surge rated.
 - e. room for additional DIN rail mounted, secondary surge suppressors
 - f. Silkscreened legend.



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NAME

DATE

SOUTHERN MANUFACTURING CO.

DRAWN By: AE 20 MAY 10

P/N: WE332-DMSFL-B-SS

CHECKED:

FDOT SPEC 785 - TYPE 334 DMS, BASE MOUNT CABINET, WITH SUNSHIELDS

Rev: 0

MATERIAL:

MFG APPR:

Scale:

Sheet 1 of 6

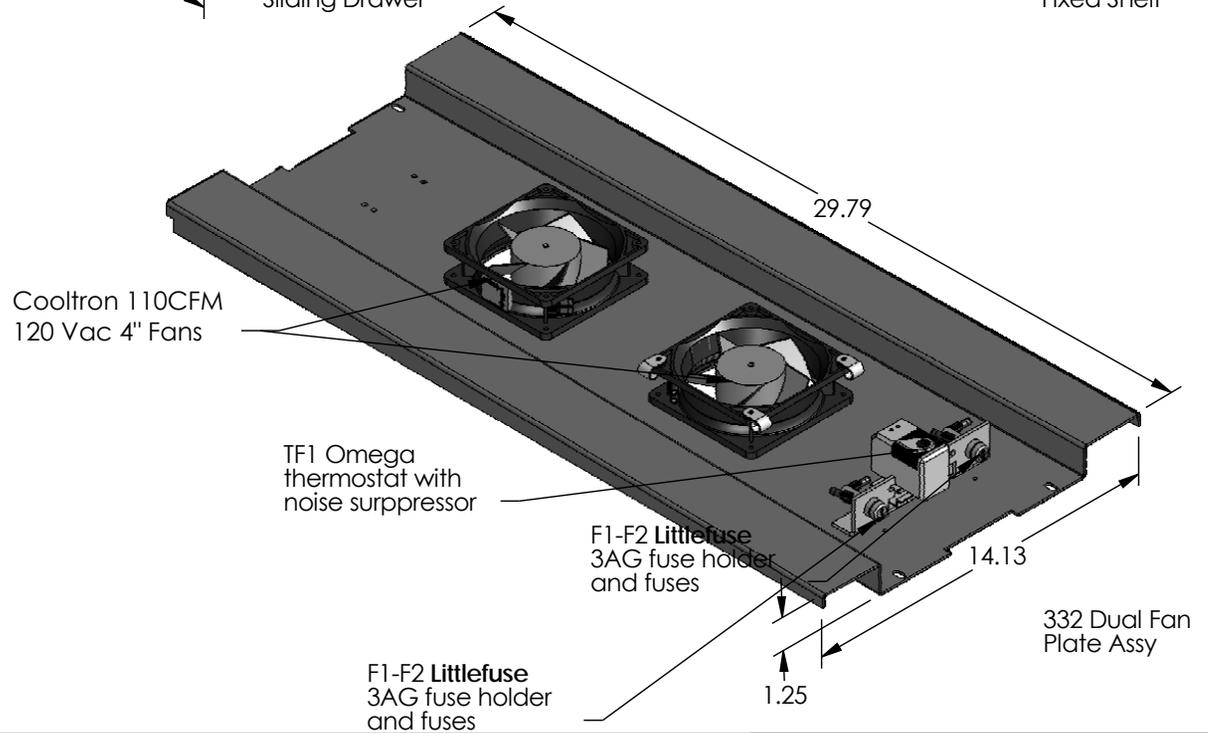
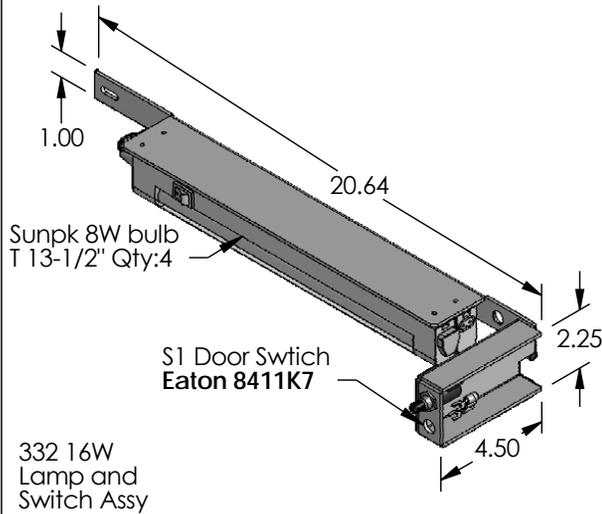
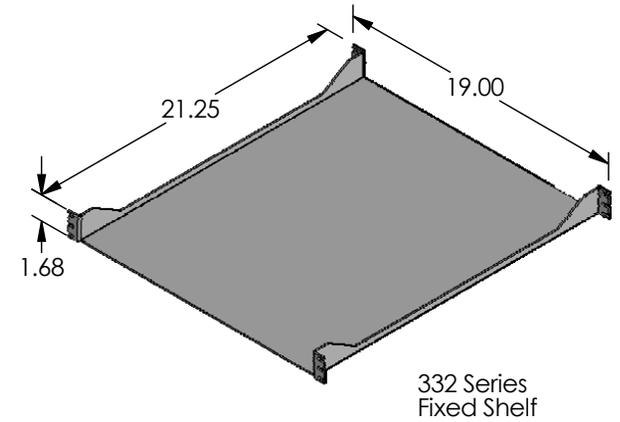
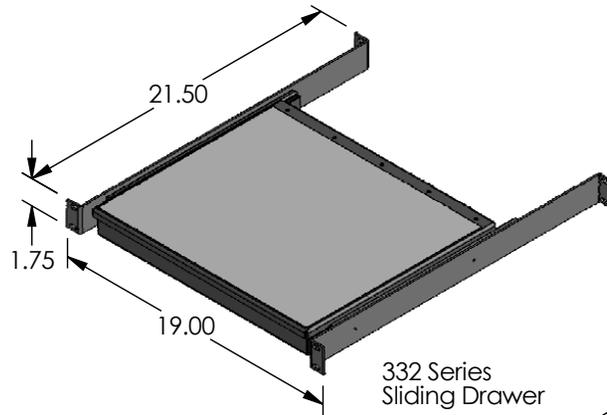
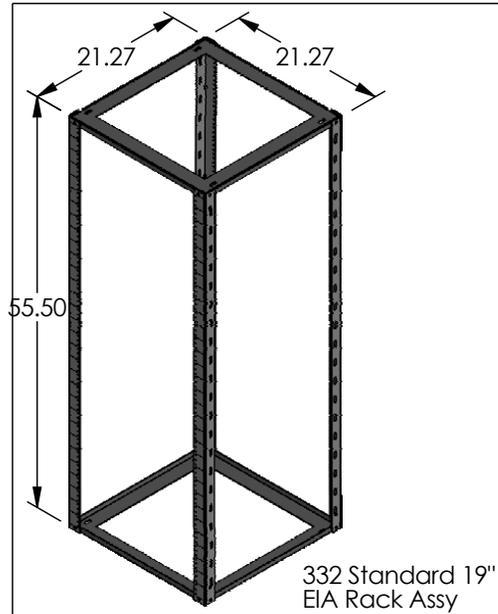
SIZE **A**

FINISH:

Cust APPR:

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SOUTHERN MANUFACTURING

| | NAME | DATE |
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| DRAWN By: | AE | 20 MAY 10 |
| CHECKED: | | |
| MFG APPR: | | |
| Cust APPR: | | |

| SOUTHERN MANUFACTURING CO. | | |
|-------------------------------------------------------------------|--------------|---------------|
| P/N: WE332-DMSFL-B-SS | | |
| FDOT SPEC 785 - TYPE 334 DMS, BASE MOUNT CABINET, WITH SUNSHIELDS | | |
| Scale: | Sheet 2 of 6 | Rev: 0 |
| | | SIZE A |

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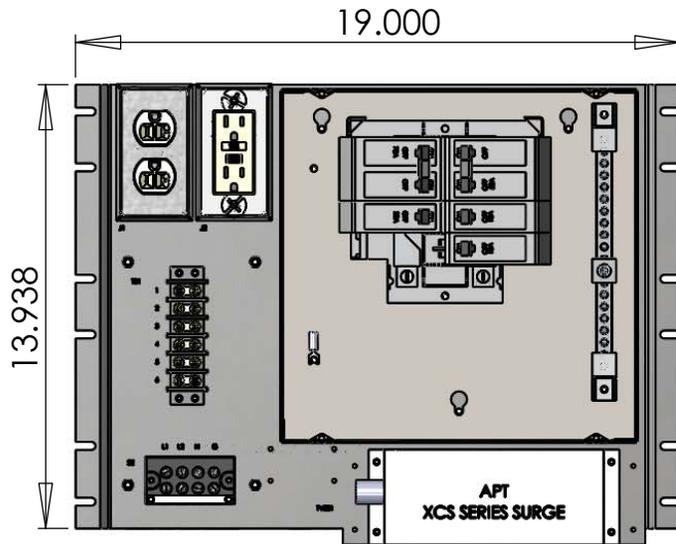
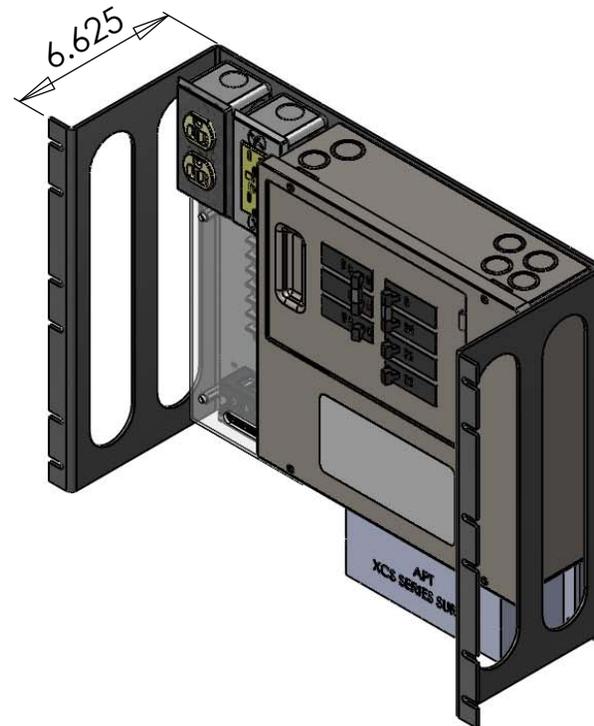
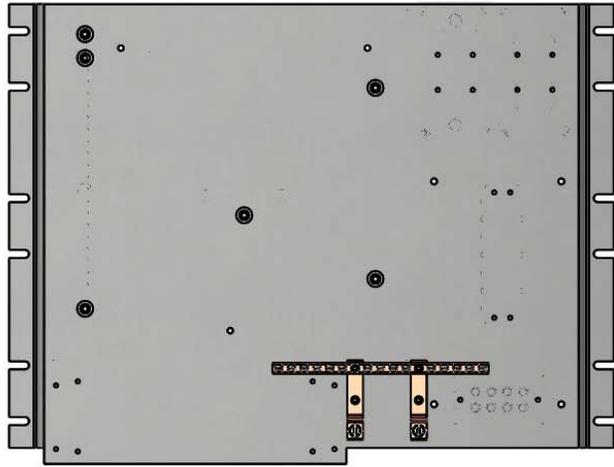
5

4

3

2

1



Shown with load center cover removed.
 Refer to label inside load center box and on C/B for proper tightening torque value.

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MATERIAL:
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| | NAME | DATE |
|------------|------|----------|
| DRAWN By: | AE | 9/9/2012 |
| CHECKED: | | |
| MFG APPR: | | |
| Cust APPR: | | |

SOUTHERN MANUFACTURING CO.

DMS Power panel,
 120/240V 70A

Rev: 0
 Rev Date:

Scale:

Sheet 4 of 6

SIZE **A**

