

# RETAIL DRIVE-THRU LAYOUT

AES-425/AUW-1/OBRCK/ATWC-2/AFS-4/AST-1/(2) APS-1C/TSS-1S/CBA-1/BFS-45/ACT-99-S/  
WASH SELECT II/PC-3000HV-HP/T-750/ROCS/AUTEC MODEL 222A GLASS BUILDING

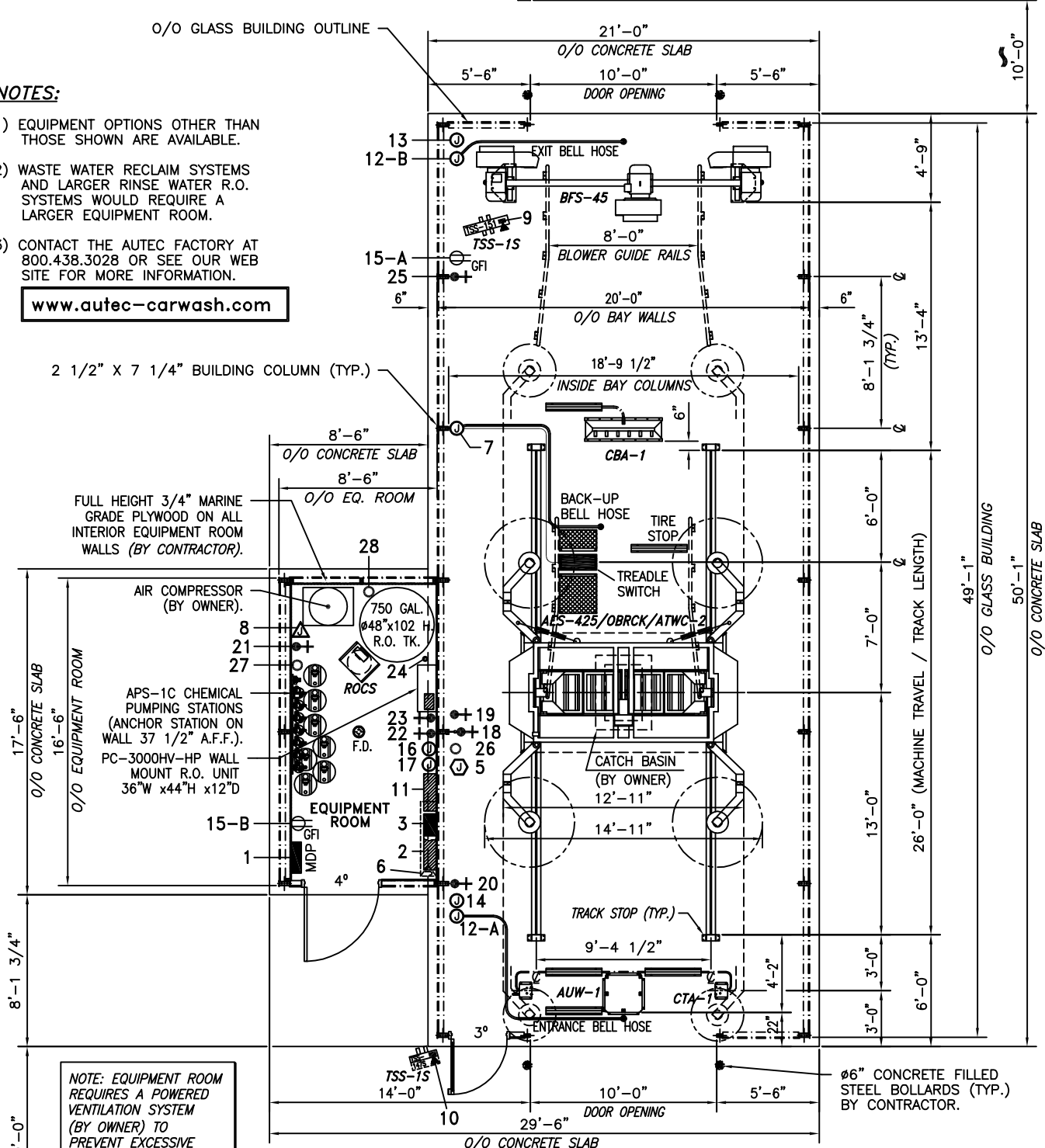
ACT-99-S DRYER COUNTDOWN TIMER & STAND

**NOTES:**

- 1) EQUIPMENT OPTIONS OTHER THAN THOSE SHOWN ARE AVAILABLE.
- 2) WASTE WATER RECLAIM SYSTEMS AND LARGER RINSE WATER R.O. SYSTEMS WOULD REQUIRE A LARGER EQUIPMENT ROOM.
- 3) CONTACT THE AUTEC FACTORY AT 800.438.3028 OR SEE OUR WEB SITE FOR MORE INFORMATION.

[www.autec-carwash.com](http://www.autec-carwash.com)

2 1/2" X 7 1/4" BUILDING COLUMN (TYP.)



NOTE: EQUIPMENT ROOM REQUIRES A POWERED VENTILATION SYSTEM (BY OWNER) TO PREVENT EXCESSIVE TEMPERATURES FROM DAMAGING ELECTRICAL EQUIPMENT.

30"x30"x5" THK. REINFORCED CONCRETE PAD (BY CONTRACTOR)

SCALE: 1/8" = 1'-0"

WASH SELECT II ENTRANCE CONSOLE  
ENTER



**RETAIL SPECIFICATIONS**

**AES-425/AUW-1/ATWC-2/AFS-4/(2) APS-1C/TSS-1S/CBA-1/BFS-45/ACT-99-S/WASH SELECT II/PC-3000HV-HP/ROCS**

**ITEM NO.****ELECTRICAL SPECIFICATIONS**

1. Customer to furnish 208/230V, 3 phase disconnect (Main Distribution Panel) mounted 5'-0" above floor. Customer to run 2 no. 12 wires, plus ground wire, in conduit to Main Control Panel - Item 2. Customer to run 3 no. 0000 wires, plus ground wire, in conduit to Blower Control Panel - Item 11. Customer to run 3 no. 6 wires, plus ground wire, in conduit to Main Starter Box - Item 3. Customer to run 3 no. 12 wires (115V 20A "GFI" circuit), in conduit, to Entrance Console - Item 4.
2. AUTEK to furnish 20 AMP, 208/230V 1 phase Main Control Panel (36" x 36" x 8" deep) -Item 2. Customer to mount panel 4'-6" above floor. Customer to run 8 no. 16 wires plus ground wire, in conduit, to Main Starter Box - Item 3.
3. AUTEK to furnish 75 AMP, 208/230V 3 phase Main Starter Box (14" x 16" x 8" deep) - Item 3. Customer to mount box 4'-6" above floor.
4. Customer to furnish 10 no. 16 wires, in conduit, from Main Control Panel - Item 2 to Entrance Console - Item 4. (Optional) Customer to run dedicated phone line (by owner) to Entrance Console - Item 4 for credit card reader or paging/remote reporting option.
5. Customer to furnish 16" x 12" x 8" deep junction box - Item 5, located 9'-0" above floor. Customer to run 16-4 cable (Black) and Siemens 2 conductor communications cable supplied by AUTEK (NO SPLICES ALLOWED), from AES-425 Washer to Item 2 (run cables in separate conduit between Items 5 & 2). Customer to run 3 no. 10 wires plus ground; 3 no. 6 wires plus 1 no. 8 ground wire & 16-3 cable (Yellow) in conduit from Item 5 to Item 3.
6. Customer to furnish 10" x 10" x 48" Trough (NEMA 3R) - Item 6, located 3'-0" above floor, directly under Items 2, 3 & 11. Customer to run all electrical connections from Items in Wash Bay to Items 2, 3 & 11 through Item 6.
7. Autek to furnish 2" x 4" x 2" deep junction box with bell switch - Item 7. Customer to mount at 1'-0" above floor and run 4 no. 16 wires, in conduit, to Item 2 and sleeve wire from junction box - Item 7, to Treadle Switch in 1/2" rigid metal conduit. AUTEK to furnish Treadle Switch/Cable assembly.
8. Customer to furnish 6" x 6" x 6" deep junction box - Item 9, located 6'-6" above floor, and run 9 no. 16 wires, plus ground wire, in conduit to Main Control Panel - Item 2. AUTEK to furnish chemical feed pumps on wall mounted pumping stations.
9. Customer to furnish 6 no. 16 wires, plus ground wire, in conduit from AUTEK Interior Light Package - Item 8, to Main Control Panel - Item 2.
10. Customer to furnish 3 no. 16 wires, plus ground wire, in conduit from AUTEK Exterior Light Package - Item 10, to Main Control Panel - Item 2.
11. AUTEK to furnish 175 AMP, 208/230V 3 phase Blower Control Panel (24" x 24" x 8" deep), Item 11. Customer to mount Panel 4'-6" above floor. Customer to run 3 no. 6 wires plus ground wire, in conduit, from Item 11 to each of the three (3) Blower Motors. Customer to run 5 no. 16 wires in conduit from Item 11, to Main Control Panel - Item 2.
12. Autek to furnish two (2) 2" x 4" x 2" deep junction boxes with bell switches - Items 12A & 12B. Customer to mount each at 1'-0" above floor and run 2 no. 16 wires, in conduit, from Item 12A to Item 2 and run 2 no. 16 wires, in conduit, from Item 12B to Item 2.
13. Customer to furnish 2" x 4" x 2" deep junction box - Item 13, located at 1'-0" above floor and run 3 no. 16 wires, in conduit, from Item 13 to Main Control Panel - Item 2. Customer to run 3 no. 16 wires, in waterproof flexible conduit, from Item 13 to Dryer Countdown Timer.
14. Customer to furnish 2" x 4" x 2" deep junction box - Item 14, located at 1'-0" above floor and run 2 no. 16 wires, in conduit, from Item 14 to Main Control Panel - Item 2, for AUTEK AUW-1 solenoid valve.
15. Customer to furnish two (2) 115V, 1ph, GFI duplex weatherproof receptacles, Items 15A & 15B, located at 1'-4" above floor.
16. Customer to furnish 2" x 4" x 2" deep junction box with a NEMA L6-20 receptacle - Item 16, located at 5'-0" above floor and run 2 no. 12 wires, plus ground wire, in conduit, from Item 16 to Main Distribution Panel - Item 1. (R.O. Pump Circuit - requires a 20A, 220V, 1PH Service)
17. Customer to furnish 2" x 4" x 2" deep junction box with a NEMA L6-20 receptacle - Item 17, located at 5'-0" above floor and run 2 no. 12 wires, plus ground wire, in conduit, from Item 17 to Main Distribution Panel - Item 1. (R.O. Repressurization Pump Circuit - requires a 20A, 220V, 1PH Service)

**ITEM NO.****WATER SPECIFICATIONS**

18. Customer to furnish 1 1/4" water supply line (40-65 psi) with a 1 1/4" metal female connection - Item 18, pointed down and mounted at 10'-0" above floor, locate connection near center of track and securely fastened to bay column structure. AUTEK to furnish a bolt on column bracket for connecting Item 18 to the building. AUTEK to furnish and connect flexible water line to AES-425 Washer.
19. Customer to furnish 1" water supply line (PVC Sch. 80), from Item 23, with a 1" female connection - Item 19, mounted at 10'-0" above floor, locate connection beside Item 18, for R.O. water supply to On-Board Rinse Function. AUTEK to furnish and connect flexible water line to AES-425 Washer.
20. Customer to furnish 1" water supply line with a 1" female connection - Item 20, mounted at 1'-0" above floor, for AUTEK AUW-1 Water Solenoid Valve. Water line can be fed from Item 18. AUTEK to furnish and connect flexible water line from Item 20 to AUW-1 Undercarriage Washer.
21. AUTEK to furnish 3/4" X 25 ft. flexible water supply line from ROCS Unit. Customer to supply one 3/4" hose bibb on a 3/4" pvc manifold - Item 21, mounted at 6'-6" above floor, for AUTEK Chemical Pumping Station Hydrominders. AUTEK to furnish a 1/2" x 10 ft. flexible R.O. water supply line from R.O. storage tank to ROCS Unit.
22. Customer to furnish 1" water supply line with a 1" female connection - Item 22, mounted at 4'-0" above floor, for R.O. System water supply. Water line can be fed from Item 18.
23. Customer to furnish 1" water supply line with a 1" female connection - Item 23, mounted at 4'-0" above floor, for R.O. System fresh water By-Pass / R.O. water Discharge to AES-425 Washer rinse function connection - Item 19. Water line can be fed from Item 18.
24. Customer to furnish 2" drain line - Item 24, stub-up at 4'-0" above floor, for 3/4" R.O. System waste water discharge hose. Drain line - Item 24 connects to Wash Bay main drain line to sewer treatment.
25. Customer to furnish 1" water supply line with 1/2" hose bibb - Item 24, mounted at 1'-0" above floor, for Bay wash down use. Water line can be fed from Item 18.

**ITEM NO.****AIR SPECIFICATIONS**

26. Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 26, mounted at 10'-0" above floor and supply a minimum of 100 psi, locate connection beside Item 18, for air supply to AES-425 Washer. AUTEK to furnish and connect flexible air line from Item 25 to AES-425 Washer.
27. Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 27, mounted at 6'-6" above floor and supply a minimum of 100 psi to chemical feed pumps.
28. Customer to furnish air service (1/4" min. - Type "L" Copper or "Black" Iron) - Item 28, mounted at 4'-0" above floor and supply a minimum of 100 psi to AUTEK ROCS Unit R.O. water pump.

**GENERAL NOTES:**

- Customer to furnish and install plumbing and electrical items that are required to conform to local and state codes. (Example: Backflow preventer valve in water line.)
- Customer to furnish and install a 1 1/2" model "MVR" Hersey Vertical Turbine Water Meter to monitor water use.
- All electrical & plumbing connections are the responsibility of the customer and are to be made by qualified personnel.
- Inside height clearance must be 10'-8" min. for AUTEK equipment. Inside height clearance for overhead doors and bay heaters must be verified with the manufacturer.
- Certain items may be located elsewhere in order to meet site requirements.
- All dimensions called out in specifications are to the bottom of the item.
- Wash Bay Door height opening must be 10'-0" min.
- These specifications are for general information only.

**AUTEK**  
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