

RETAIL DRIVE-THRU LAYOUT

ATF-1/AUW-1/AFS-ATF/(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

O/O GLASS BUILDING OUTLINE

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

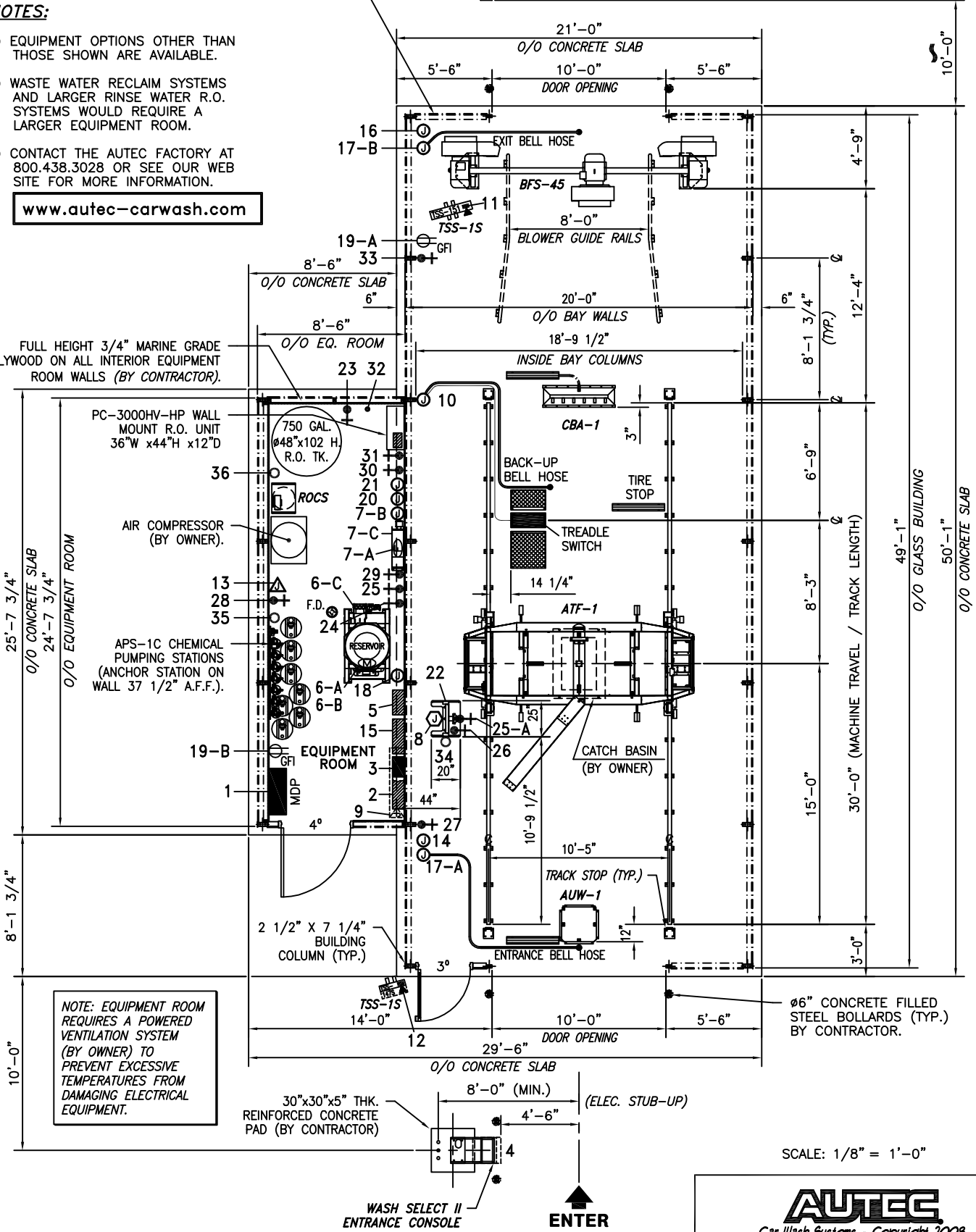
FULL HEIGHT 3/4" MARINE GRADE PLYWOOD ON ALL INTERIOR EQUIPMENT ROOM WALLS (BY CONTRACTOR).

PC-3000HV-HP WALL MOUNT R.O. UNIT 36"W x44"H x12"D

AIR COMPRESSOR (BY OWNER).

APS-1C CHEMICAL PUMPING STATIONS (ANCHOR STATION ON WALL 37 1/2" A.F.F.).

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



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



RETAIL SPECIFICATIONS

PAGE 2 OF 2

ATF-1/AUW-1/AFS-ATF/(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. 000 wires, plus ground wire, in conduit to ATF1 control Panel - Item 5. Customer to run 3 no. 0000 wires, plus ground wire, in conduit to Blower Control Panel - Item 15. Customer to run 3 no. 10 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 7 no. 16 wires plus ground wire, in conduit, from Item 2 to Main Starter Box - Item 3.
3. AUTEK to furnish 30 AMP, 208/230V 3 phase Main Starter Box (14" x 16" x 8" deep) - Item 3. Customer to mount panel 8'-0" 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. AUTEK to furnish 150 AMP, 208/230V 3 phase ATF1 Control Panel (17" x 19" x 8" deep) - Item 5. Customer to mount panel 4'-6" above floor. Customer to run 10 no. 16 wires plus ground wire, in conduit, from Item 5 to Main Control Panel - Item 2.
6. Customer to run 2 no. 16 wires in conduit from Mercury Float Switch - Item 6A (located 6" from top of ATF1 Reservoir) to Item 5. Customer to run 2 no. 16 wires in conduit from Mercury Float Switch - Item 6B (located 18" from bottom of ATF1 Reservoir) to Item 5. Customer to run 3 no. 3 wires, plus ground wire, in conduit from 25 hp High Pressure Pump Motor - Item 6C (located under ATF1 Reservoir) to Item 5.
7. Customer to run 2 no. 16 wires in conduit from Heated Chem Tank Float Switch - Item 7A to Item 5. Customer to furnish 2" x 4" x 2" junction box - Item 7B and run 2 no. 16 wires & 3 no. 10 wires, plus ground wire, in conduit from junction box, Item 7B (Tank Heater power & controls) to Item 5. Customer to run 3 no. 12 wires, plus ground wire, in conduit from Pre-Soak Chemical Pump Motor - Item 7C to Item 5.
8. AUTEK to furnish 16" x 14" x 8" deep junction box - Item 8. Customer to locate box 5'-0" above floor on side of ATF1 Boom Post. Customer to run 16-4 cable (Black) and Siemens 2 conductor communications cable supplied by AUTEK (NO SPLICES ALLOWED), from ATF1 Washer to Item 2 (run cables in separate conduits between Items 8 & 2). Customer to run 3 no. 10 wires plus ground wire & 16-3 cable (Yellow) in conduit from Item 8 to Item 3. Customer to run 16-3 shielded cable, in conduit, from Item 8 to Main control Panel, Item 2.
9. Customer to furnish 10" x 10" x 48" Trough (NEMA 3R) - Item 9, located 3'-0" above floor, directly under Items 2, 3 & 15. Customer to run all electrical connections from Items in Wash Bay to Items 2, 3 & 15 through Item 9.
10. Autek to furnish 2" x 4" x 2" deep junction box with bell switch - Item 10. 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 10, to Treadle Switch in 1/2" rigid conduit. AUTEK to furnish Treadle Switch/Cable assembly.
11. Customer to furnish 6 no. 16 wires, plus ground wire, in conduit from Interior Light Package - Item 11, to Main Control Panel - Item 2.
12. Customer to furnish 3 no. 16 wires, plus ground wire, in conduit from Exterior Light Package - Item 12, to Main Control Panel - Item 2.
13. Customer to furnish 6" x 6" x 6" deep junction box - Item 13, 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.
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. AUTEK to furnish 175 AMP, 208/230V 3 phase Blower Control Panel (24" x 24" x 8" deep), Item 15. Customer to mount Panel 4'-6" above floor. Customer to run 3 no. 6 wires plus ground wire, in conduit, from Item 15 to each of the three (3) Blower Motors. Customer to run 5 no. 16 wires in conduit from Item 15, to Main Control Panel - Item 2.
16. Customer to furnish 2" x 4" x 2" deep junction box - Item 16, located at 1'-0" above floor and run 3 no. 16 wires, in conduit, from Item 16 to Main Control Panel - Item 2. Customer to run 3 no. 16 wires, in waterproof flexible conduit, from Item 16 to Dryer Countdown Timer.
17. Autek to furnish two (2) 2" x 4" x 2" deep junction boxes with bell switches - Items 17A & 17B. Customer to mount each at 1'-0" above floor and run 2 no. 16 wires, in conduit, from Item 17A to Main Control Panel - Item 2 and run 2 no. 16 wires, in conduit, from Item 17B to Main Control Panel - Item 2.
18. Customer to furnish one (1) 2" x 4" x 2" deep junction box - Item 18. Customer to mount box 9'-0" above floor and run 2 no. 16 wires, in conduit, from Item 18 to ATF1 Control Panel - Item 5. (for power to ATF1 Reservoir water supply solenoid valve).
19. Customer to furnish two (2) 115V, 1ph, GFI duplex weatherproof receptacles, Items 19A & 19B, located at 1'-4" above floor.
20. Customer to furnish 2" x 4" x 2" deep junction box with a NEMA L6-20 receptacle - Item 20, located at 5'-0" above floor and run 2 no. 12 wires, plus ground wire, in conduit, from Item 20 to Main Distribution Panel - Item 1. (R.O. Pump Circuit - requires a 20A, 220V, 1PH Service)
21. Customer to furnish 2" x 4" x 2" deep junction box with a NEMA L6-20 receptacle - Item 21, located at 5'-0" above floor and run 2 no. 12 wires, plus ground wire, in conduit, from Item 21 to Main Distribution Panel - Item 1. (R.O. Repressurization Pump Circuit - requires a 20A, 220V, 1PH Service)

ITEM NO.**WATER SPECIFICATIONS**

22. AUTEK to furnish ATF1 Boom Post - Item 22, for water, air and electrical connections to ATF1 Washer. Customers utility stub-ups must be located behind or beside AUTEK's Boom Post base plate (20" deep x 25" long - see layout for location). Incorrect placement of stub-ups could prevent installation of ATF1 system.
23. Customer to furnish a 1 1/2" fresh water supply - Item 23 (40-65 psi). Water line to feed all Car Wash fresh water connections.
24. Customer to furnish 1 1/4" fresh water supply line with a 1 1/4" female connection - Item 24, mounted at 8'-0" above floor, locate connection on wall over AUTEK ATF1 25 HP Pump/Reservoir Assembly (connect to AUTEK supplied 1 1/4" solenoid valve). Customer to furnish and connect 1" flexible water line from solenoid valve to top of Reservoir.
25. Customer to furnish one (1) 1 1/4" high pressure (750 psi) female connection, Item 25, located 1'-0" above floor and furnish a rigid metal 1 1/4" (high pressure - 750 psi) water supply line from Item 25 to the 1 1/4" female connection - Item 25A, mounted at top (9'-0" above floor) of Autek's ATF1 Boom Post. AUTEK to furnish and connect a high pressure flexible water line from Item 25A to ATF1 Washer.
26. Customer to furnish 1" R.O. water supply line (PVC Sch. 80), from Item 31, to the 1" female connection - Item 26, mounted at top (9'-0" above floor) of AUTEK's ATF1 Boom Post, for R.O. water supply to On-Board Rinse Function. AUTEK to furnish and connect flexible water line from Item 26 to ATF1 Washer.
27. Customer to furnish 1" fresh water supply line with a 1" female connection - Item 27, mounted at 1'-0" above floor, for AUTEK AUW-1 Water Solenoid Valve. AUTEK to furnish and connect flexible water line from Item 27 to AUW-1 Undercarriage Washer.
28. Customer to furnish a 3/4" PVC manifold with one 3/4" hose bibb - Item 28, mounted at 6'-6" above floor, for AUTEK Chemical Pumping Station Hydrominders - AUTEK to furnish 25' of 3/4" flexible hose for the R.O. water supply line from the ROCS unit to Items 28 and 29.
29. Customer to furnish a 3/4" PVC manifold with one (1) 1/2" hose bibb - Item 29, mounted at 6'-8" above floor, for ATF1 Heated Chemical Stand water tank.
30. Customer to furnish 1" fresh water supply line with a 1" female connection - Item 30, mounted at 4'-0" above floor, for R.O. System fresh water supply.
31. Customer to furnish 1" fresh water supply line with a 1" female connection - Item 31, mounted at 4'-0" above floor, for R.O. System fresh water By-Pass / R.O. water Discharge to ATF1 Washer rinse function connection - Item 26.
32. Customer to furnish 2" drain line - Item 32, stub-up at 4'-0" above floor, for 3/4" R.O. System waste water discharge hose. Drain line - Item 32 connects to Wash Bay main drain line to sewer treatment.
33. Customer to furnish 1" fresh water supply line with 1/2" hose bibb - Item 33, mounted at 1'-0" above floor, for Bay wash down use.

ITEM NO.**AIR SPECIFICATIONS**

34. Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 34, mounted at 9'-0" above floor and supply a minimum of 100 psi. Customer to locate connection on AUTEK Boom Post, for air supply to ATF1 Washer. AUTEK to furnish and connect flexible air line from Item 34 to ATF1 Washer.
35. Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 35, mounted at 6'-6" above floor and supply a minimum of 100 psi to chemical feed pumps.
36. Customer to furnish air service (1/4" min. - Type "L" Copper or "Black" Iron) - Item 36, mounted at 4'-0" above floor and supply a minimum of 100 psi to ROCS pump.

GENERAL NOTES:

- Customer to furnish and install plumbing and electrical items that are required to conform to local and state codes. (Typ: 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 11'-0" 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
Car Wash Systems - Copyright 2008

DATE: 03-19-08 DWG. NO. ATF1-0007-B REV. 1