

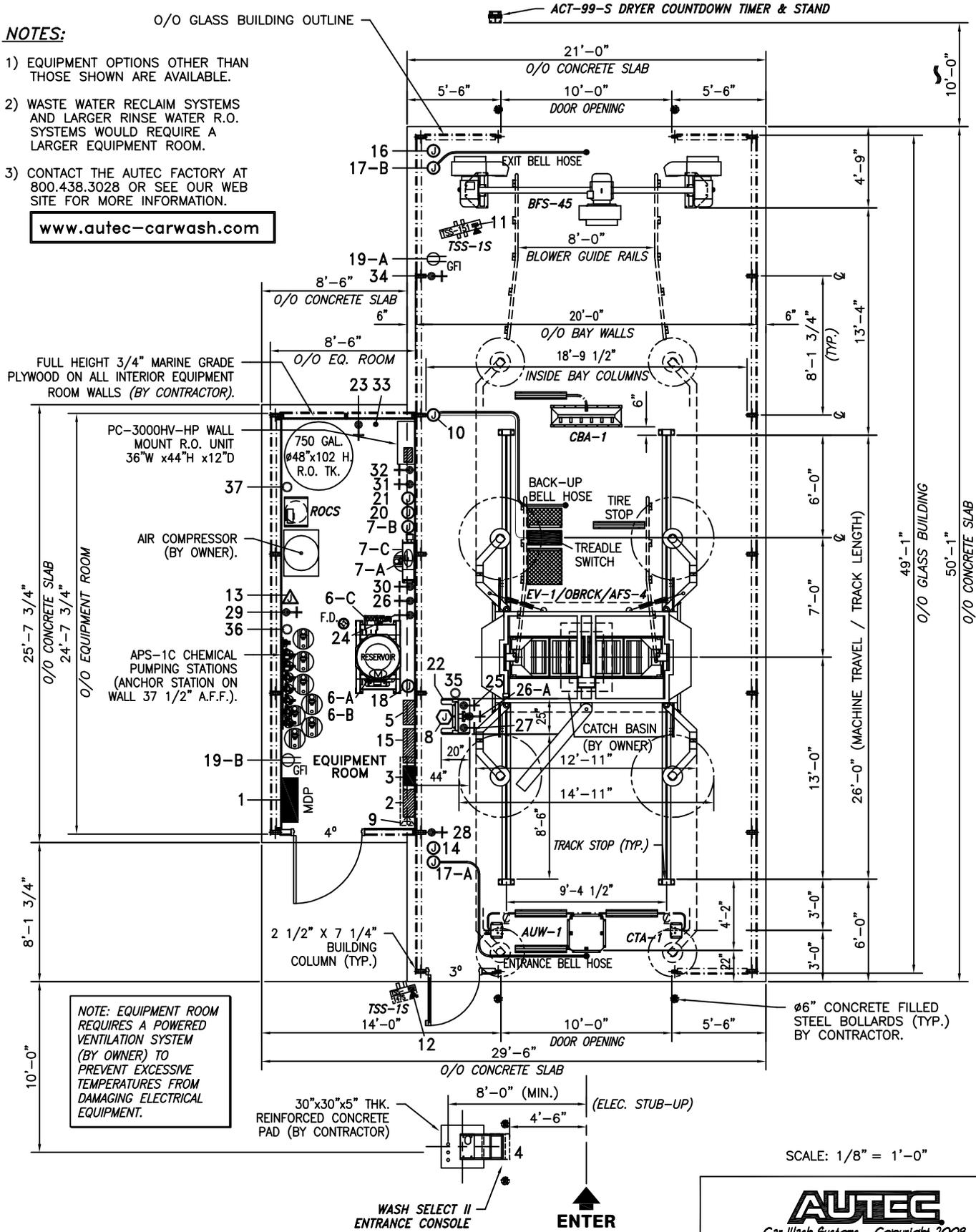
RETAIL DRIVE-THRU LAYOUT

EV1/OBRCK/ACTA-1/AUW-1/AFS-4/AST-1/(2) APS-1C/TSS-1S/CBA-1/BFS-45/ACT-99-S/
WASH SELECT II-EV/PC-3000HV-HP/T-750/ROCS/AUTEC MODEL 222A GLASS BUILDING

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



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

AUTEC
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DATE: 03-19-08	DWG. NO. EV1-0005-A	REV. 1
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RETAIL SPECIFICATIONS

EV1/OBRCK/ACTA-1/AUW-1/AFS-4/(2)APS-1C/ALP-2/ALP-4/CBA-1/BFS-45/ACT-99-S/WASHSELECT II-EV/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. 0 wires, plus ground wire, in conduit to EV1 control Panel - Item 5. 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. AUTECH 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. AUTECH to furnish 50 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 12 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. AUTECH to furnish 120 AMP, 208/230V 3 phase EV1 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 EV1 Reservoir) to Item 5. Customer to run 2 no. 16 wires in conduit from Mercury Float Switch - Item 6B (located 18" from bottom of EV1 Reservoir) to Item 5. Customer to run 3 no. 4 wires, plus ground wire, in conduit from 20 hp High Pressure Pump Motor - Item 6C (located under EV1 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. AUTECH to furnish 16" x 14" x 8" deep junction box - Item 8. Customer to locate box 5'-0" above floor on back of EV1 Boom Post. Customer to run 16-4 cable (Black) and Siemens 2 conductor communications cable supplied by AUTECH (NO SPLICES ALLOWED), from EV1 Washer to Item 2 (run cables in separate conduits between Items 8 & 2). Customer to run 3 no. 6 wires plus 1 no. 8 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. Autech 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. AUTECH 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. AUTECH to furnish chemical feed pumps with wall mounted on 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 AUTECH AUW-1 solenoid valve.
15. AUTECH 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. Autech 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 EV1 Control Panel - Item 5. (for power to EV1 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. AUTECH to furnish EV1 Boom Post - Item 22, for water, air and electrical connections to EV1 Washer. Customers utility stub-ups must be located behind or beside AUTECH's Boom Post base plate (20" deep x 25" long - see layout for location). Incorrect placement of stub-ups could prevent installation of EV1 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 AUTECH EV1 20 HP Pump/Reservoir Assembly (connect to AUTECH 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 a 1 1/4" fresh water supply line to the 1 1/4" female connection - Item 25, mounted at top (9'-0" above floor) of AUTECH's EV1 Boom Post. AUTECH to furnish and connect flexible water line from Item 25 to EV1 Washer.
26. Customer to furnish one (1) 1" high pressure (1000 psi) female connection, Item 26, located 1'-0" above floor and furnish a rigid metal 1" (high pressure - 1000 psi) water supply line from Item 26 to the 1" female connection - Item 26A, mounted at top (9'-0" above floor) of Autech's EV1 Boom Post. AUTECH to furnish and connect a high pressure flexible water line from Item 26A to EV1 Washer.
27. Customer to furnish 1" R.O. water supply line (PVC Sch. 80), from Item 32, to the 1" female connection - Item 27, mounted at top (9'-0" above floor) of AUTECH's EV1 Boom Post, for R.O. water supply to On-Board Rinse Function. AUTECH to furnish and connect flexible water line from Item 27 to EV1 Washer.
28. Customer to furnish 1" fresh water supply line with a 1" female connection - Item 28, mounted at 1'-0" above floor, for AUTECH AUW-1 Water Solenoid Valve. AUTECH to furnish and connect flexible water line from Item 28 to AUW-1 Undercarriage Washer.
29. Customer to furnish a 3/4" PVC manifold with one 3/4" hose bibb - Item 29, mounted at 6'-6" above floor, for AUTECH Chemical Pumping Station Hydrominders - AUTECH to furnish 25 ft. of 3/4" flexible hose for the R.O. water supply line from the ROCS unit to Items 29 & 30, and a 1/2" x 10 ft. flexible R.O. water supply line from the R.O. storage tank to the ROCS unit.
30. Customer to furnish a 3/4" PVC manifold with one (1) 1/2" hose bibb - Item 30, mounted at 6'-8" above floor, for EV1 Heated Chemical Stand water tank.
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 supply.
32. Customer to furnish 1" fresh water supply line with a 1" female connection - Item 32, mounted at 4'-0" above floor, for R.O. System fresh water By-Pass / R.O. water Discharge to EV1 Washer rinse function connection - Item 27.
33. Customer to furnish 2" drain line - Item 33, stub-up at 4'-0" above floor, for 3/4" R.O. System waste water discharge hose. Drain line - Item 33 connects to Wash Bay main drain line to sewer treatment.
34. Customer to furnish 1" fresh water supply line with 1/2" hose bibb - Item 34, mounted at 1'-0" above floor, for Bay wash down use.

ITEM NO.**AIR SPECIFICATIONS**

35. Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 35, mounted at 9'-0" above floor and supply a minimum of 100 psi, locate connection on AUTECH Boom Post, for air supply to EV1 Washer. AUTECH to furnish and connect flexible air line from Item 35 to EV-1 Washer.
36. Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 36, mounted at 6'-6" above floor and supply a minimum of 100 psi to chemical feed pumps.
37. Customer to furnish air service (1/4" min. - Type "L" Copper or "Black" Iron) - Item 37, mounted at 4'-0" above floor and supply a minimum of 100 psi to AUTECH 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. (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 10'-8" min. for AUTECH 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.

