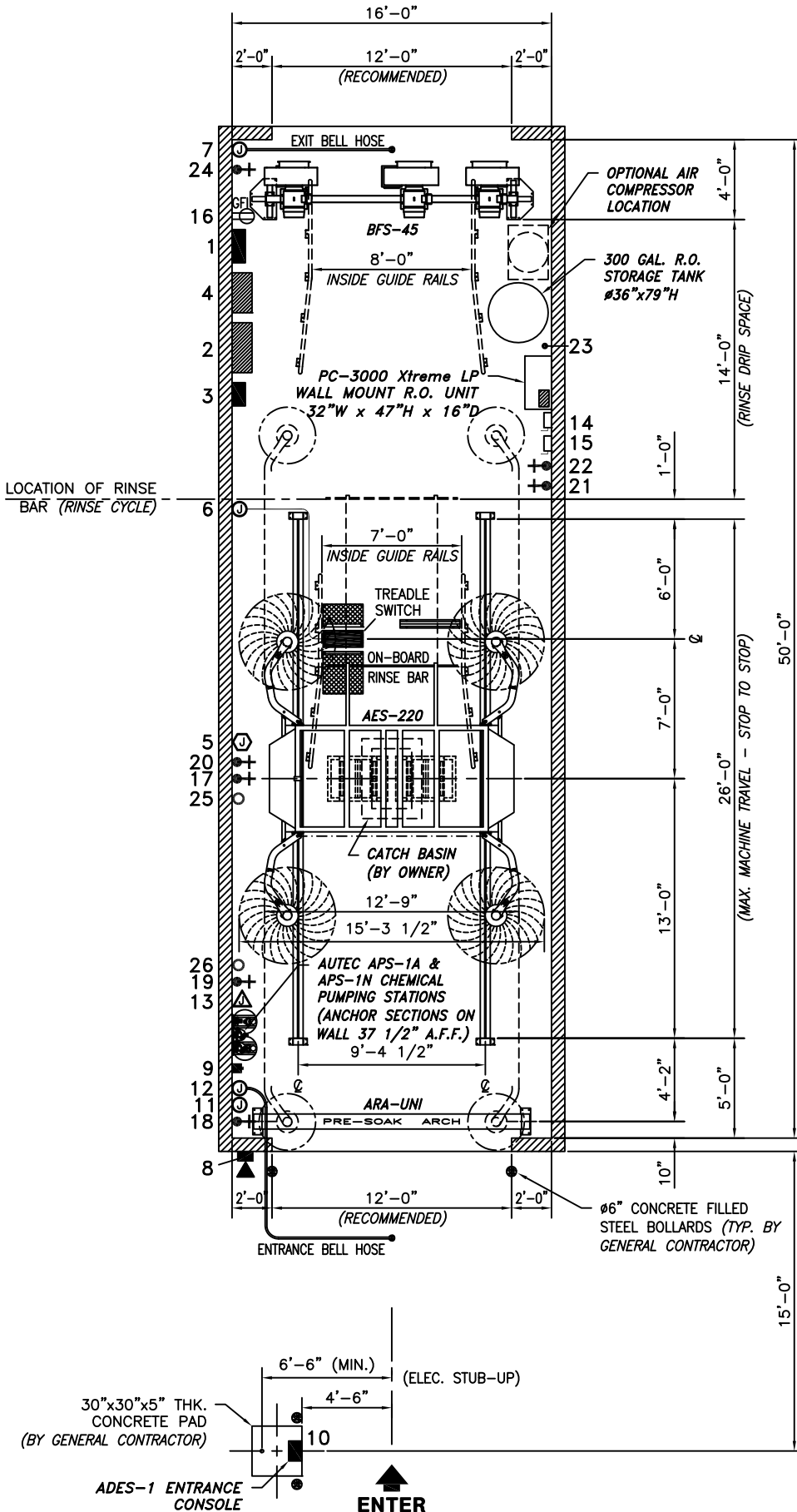


DEALERSHIP DRIVE-THRU LAYOUT

AES-220/ARA-UNI/(1) APS-1A & (1) APS-1N/BFS-45/ADES-1/PC-3000xtreme-LP/T-300



NOTE: (16'W X 50'L) MIN. RECOMMENDED BAY SIZE FOR OPTIONS SHOWN AND NEW CONSTRUCTION. CONSULT FACTORY FOR SMALLER EXISTING BAY INSTALLATION REQUIREMENTS AND OTHER OPTIONS AVAILABLE.

AIR COMPRESSOR REQUIRED (REMOTE LOCATION, SUPPLIED BY OWNER, INSTALLED BY PLUMBING CONTRACTOR)

NOTES:

- 1) EQUIPMENT OPTIONS OTHER THAN THOSE SHOWN ARE AVAILABLE.
- 2) WASTE WATER RECLAIM SYSTEMS AND LARGER RINSE WATER R.O. SYSTEMS MAY REQUIRE A LARGER WASH BAY AND/OR ADJOINING 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"

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DATE: 09/18/08	DWG. NO. 220-1-0001	REV. 1
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DEALERSHIP SPECIFICATIONS

AES-220/ARA-UNI/(1) APS-1A & (1) APS-1N/BFS-45/ADES-1/PC-3000xtreme-LP/T-300

ITEM NO.

ELECTRICAL SPECIFICATIONS

- Customer to furnish 208/230V, 3 phase disconnect (Main Distribution Panel in a NEMA 3R enclosure) 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. 6 wires, plus ground wire, in conduit to Main Starter Box - Item 3. Customer to run 3 no. 0000 wires, plus ground wire, in conduit to Blower Control Panel - Item 4.
- AUTEC to furnish 20 AMP, 115V 1 phase Main Control Panel (30" x 30" x 12" deep) - Item 2. Customer to mount panel 4'-6" above floor. Customer to run 7 no. 16 wires plus ground wire, in conduit, to Main Starter Box - Item 3.
- AUTEC to furnish 50 AMP, 208/230V 3 phase Main Starter Box (14" x 16" x 8" deep) - Item 3. Customer to mount box 8'-0" above floor.
- AUTEC to furnish 175 AMP, 208/230V 3 phase Blower Control Panel (24" x 24" x 12" deep), Item 4. Customer to mount Panel 4'-6" above floor. Customer to run 3 no. 6 wires plus ground wire, in conduit, from Item 4 to each of the three (3) Blower Motors. Customer to run 5 no. 16 wires in conduit from Item 4, to Main Control Panel - Item 2.
- Customer to furnish 16" x 12" x 8" deep junction box - Item 5, located 9'-0" above floor. Customer to run 16-24 cable (Grey), from Item 5 to Item 2. Customer to run 3 no. 6 wires plus 1 no. 8 ground wire & 16-3 cable (Yellow) in conduit from Item 5 to Item 3.
- Customer to furnish 2" x 4" x 2" deep junction box - Item 6. Customer to mount at 1'-6" above floor and run 2 no. 16 wires, in conduit, to Main Control Panel - Item 2 and sleeve wire from junction box - Item 6, to Treadle Switch in 1/2" rigid conduit. AUTEC to furnish Treadle Switch/Cable assembly.
- AUTEC to furnish 2" x 4" x 2" deep junction box with bell switch - Item 7. Customer to mount box at 1'-6" above floor and run 2 no. 16 wires, in conduit, from Item 7 to Main Control Panel - Item 2. (For Blower deactivation).
- Customer to furnish 3 no. 16 wires, plus ground wire, in conduit from AUTEC Exterior Light Package - Item 8 (verify light location with owner), to Main Control Panel - Item 2.
- Customer to run 6 no. 16 control wire in 1/2" conduit from Main Control Panel - Item 2 to Autec Remote Operators Control Station - Item 9.
- Customer to run one (1) Siemens 2 conductor communications cable (by AUTEC - NO SPLICES) and 4 no. 16 control wire in 3/4" conduit from Main Control Panel - Item 2 to Entrance Console - Item 10.
- Customer to furnish 2" x 4" x 2" deep junction box - Item 11, located 8'-4" above floor, and run 2 no. 16 wires plus ground in conduit to Main Control Panel - Item 2. Customer to run 2 no. 16 wires plus ground in waterproof flexible conduit from Item 11 to Pre-Soak Wash Arch water solenoid valve.
- AUTEC to furnish 2" x 4" x 2" deep junction box with bell switch - Item 12. Customer to mount box at 1'-6" above floor and run 2 no. 16 wires, in conduit, from Item 12 to Main Control Panel - Item 2. (For Pre-Soak Arch activation).
- Customer to furnish 6" x 6" x 6" deep junction box - Item 13, located 6'-6" above floor, and run 4 no. 16 wires, plus ground wire, in conduit to Main Control Panel - Item 2. AUTEC to furnish Soap & Pre-Soak chemical feed pumps with wall mounted pumping stations.
- Customer to furnish a disconnect switch - Item 14, located at 5'-0" above floor and run 2 no. 12 wires, plus ground wire, in conduit, from Item 14 to Disconnect Panel - Item 1 and run 2 no. 12 wires, plus ground wire, in conduit, from Item 14 to R.O. pump. (R.O. Pump Circuit - requires a 20A, 220V, 1PH Service).
- Customer to furnish a disconnect switch - Item 15, located at 5'-0" above floor and run 2 no. 12 wires, plus ground wire, in conduit, from Item 15 to Disconnect Panel - Item 1 and run 2 no. 12 wires, plus ground wire, in conduit, from Item 15 to R.O. Repressurization pump. (R.O. Repressurization Pump Circuit - requires a 20A, 220V, 1PH Service).
- Customer to furnish one (1) 115V, 1ph, GFI duplex weatherproof receptacle, Item 16, located at 4'-0" above floor.

ITEM NO.

WATER SPECIFICATIONS

- Customer to furnish 1 1/2" water supply line (40-65 psi) with a 1 1/4" metal female connection - Item 17, pointed down and mounted at 10'-0" above floor, locate connection at center of track and securely fastened to bay wall structure. AUTEC to furnish and connect flexible water line to AES-220 Washer.
- Customer to furnish 1" water supply line, with a 1" female connection - Item 18, mounted at 8'-4" above floor. Water line can be fed from Item 17. AUTEC to furnish and connect flexible water line from Item 18, to ARA-UNI Pre-Soak Arch.
- Customer to furnish 3/4" water supply line with one (1) 3/4" hose bibb - Item 19, mounted at 6'-6" above floor, for AUTEC (Soap & Pre-Soak) Chemical Mixing Station Hydrominders. Water line can be fed from Item 17.
- Customer to furnish 1" water supply line (PVC Sch. 80), from Item 22, with a 1" female connection - Item 20, mounted at 10'-0" above floor, locate connection beside Item 17, for R.O. water supply to On-Board Drive Thru Rinse Bar Function. AUTEC to furnish and connect flexible water line from Item 20 to AES-220 Washer.
- Customer to furnish 1" water supply line with a 1" female connection - Item 21, mounted at 4'-0" above floor, for R.O. System water supply.
- Customer to furnish 1" water supply line with a 1" female connection - Item 22, mounted at 4'-0" above floor, for R.O. System fresh water By-Pass / R.O. water Discharge to AES-220 Washer rinse function connection - Item 20.
- Customer to furnish 2" drain line - Item 23, stub-up at 4'-0" above floor, for 3/4" R.O. System waste water discharge hose. Drain line - Item 23 connects to Wash Bay main drain line to sewer treatment.
- Customer to furnish 1" water supply line with 1/2" hose bibb - Item 24, mounted at 1'-6" above floor, for Bay wash down use. Water line can be fed from Item 17.

ITEM NO.

AIR SPECIFICATIONS

- Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 25, mounted at 10'-0" above floor and supply a minimum of 100 psi, locate connection beside Item 17, for air supply to AES-220 Washer. AUTEC to furnish and connect flexible air line from Item 25 to AES-220 Washer.
- Customer to furnish air service (3/8" min. - Type "L" Copper or "Black" Iron) - Item 26, mounted at 6'-6" above floor and supply a minimum of 100 psi to Soap & Pre-Soak chemical feed pumps.

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.
- All electrical wiring to be "TFFN" for 18/16 AWG & "THWN" or equivalent for 14 AWG up.
- All dimensions called out in specifications are to the bottom of the item.
- Inside height clearance must be 10'-11" min. for AUTEC equipment. Inside height clearance for overhead doors and bay heaters must be verified with the manufacturer.
- Wash Bay Door height opening must be 10'-0" min.
- These specifications are for general information only.
- Certain items may be located elsewhere in order to meet site requirements.

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