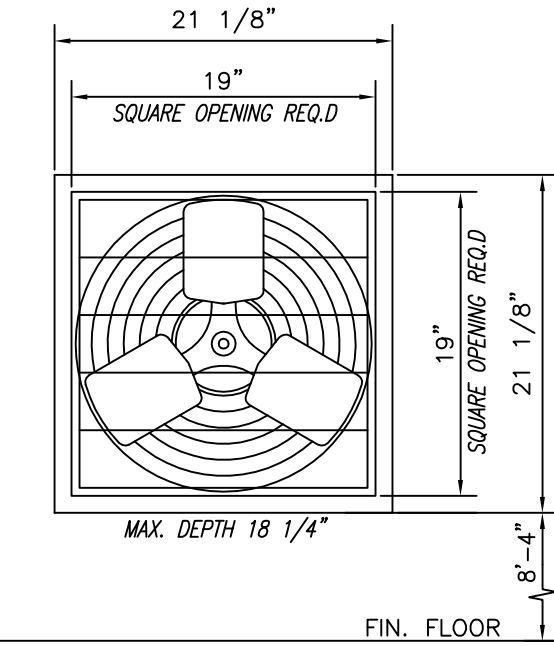


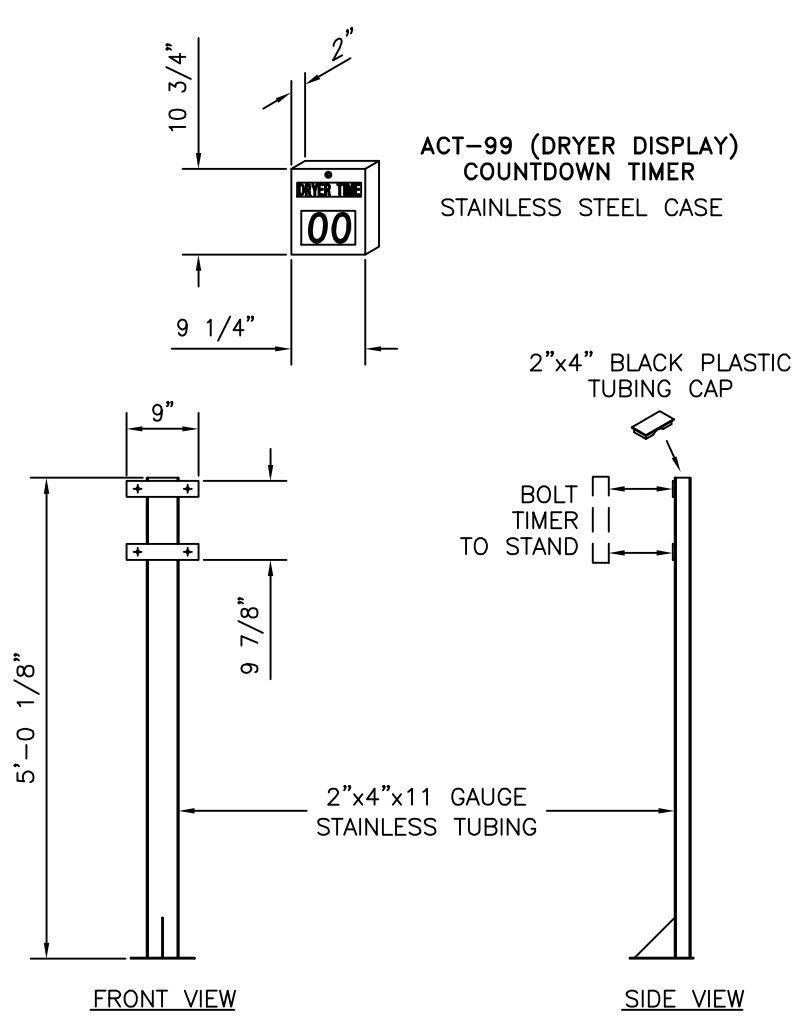
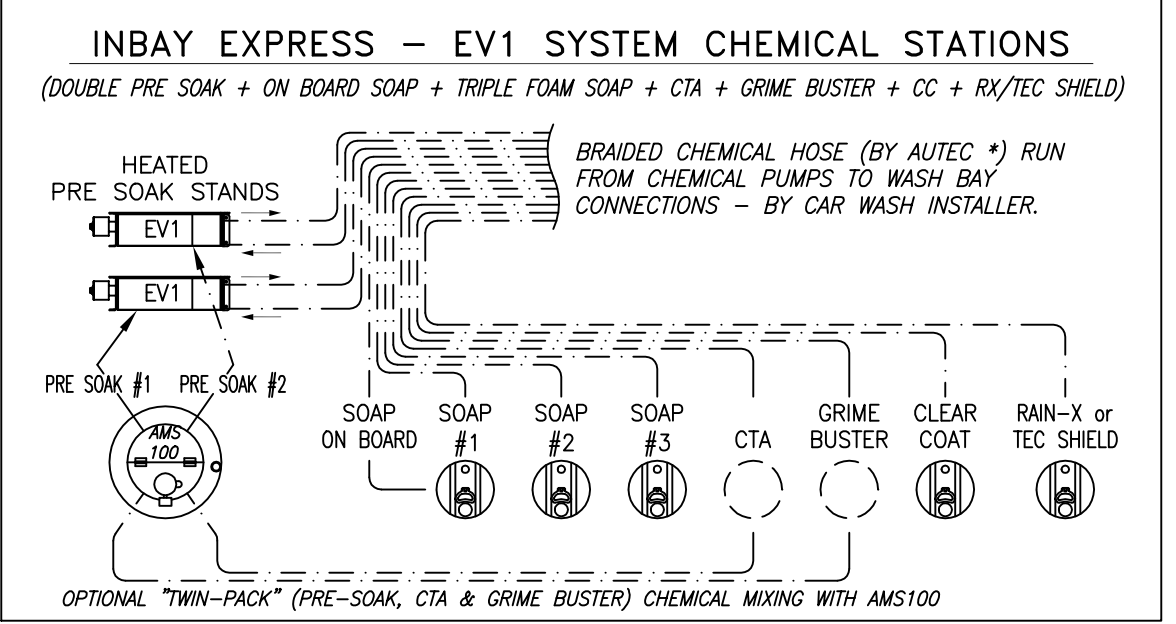
AMBIENT ROOM TEMPERATURE AT AUTEC MAIN CONTROL PANEL LOCATION NOT TO EXCEED 120° F (48.8° C) TO PREVENT MALFUNCTION OR PERMANENT DAMAGE TO PLC

GRAINGER #1HLA5 DAYTON EXHAUST FAN WITH AUTOMATIC FAN SHUTTER (REQUIRES LINEVOLTAGE THERMOSTAT)

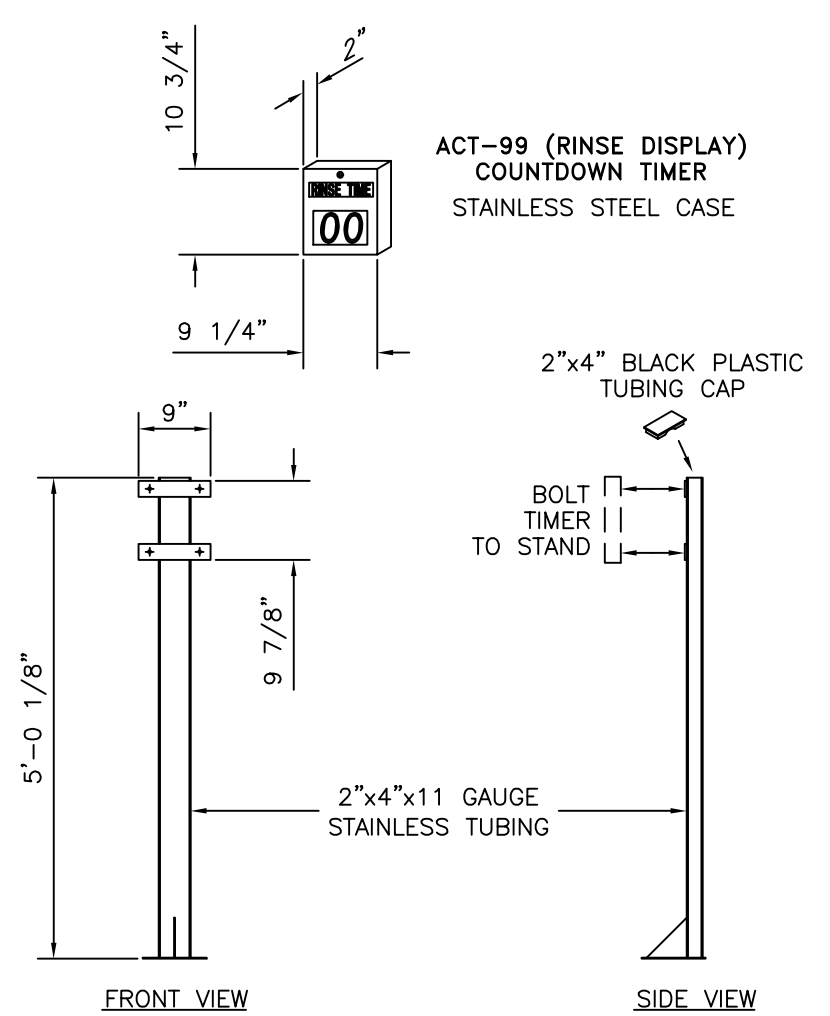


ITEM 54 EQ. ROOM EXHAUST FAN DETAILS SCALE: NONE

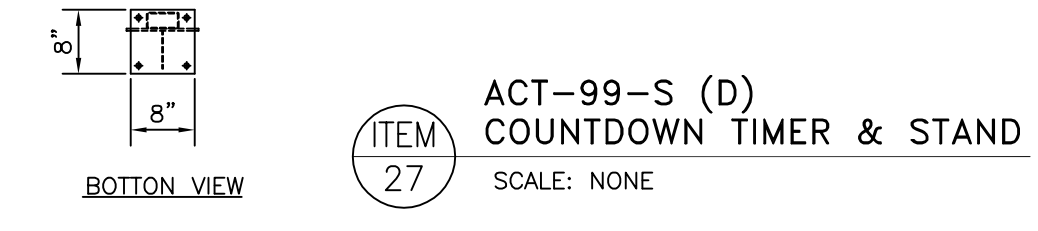
* NOTE: STANDARD LENGTHS OF SINGLE LINE #3/8" & #1/2" I.D. BRAIDED CHEMICAL HOSE SUPPLIED BY AUTECH FOR CHEMICAL DELIVERY FROM CHEMICAL PUMPS AT MIXING STATIONS TO WASH BAY CONNECTIONS ARE 50 FT. CONTACT AUTECH TO ORDER ADDITIONAL HOSE IF REQUIRED.



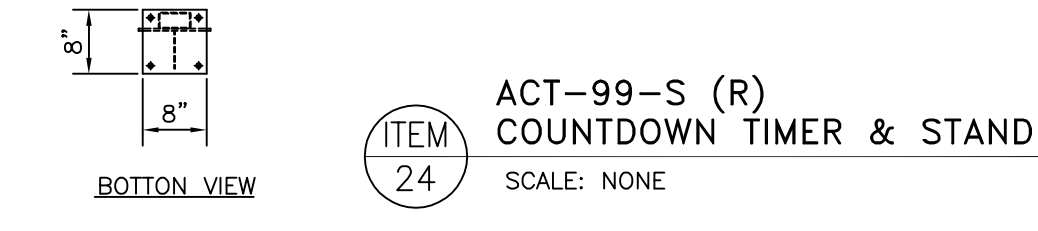
ACT-99 (DRYER DISPLAY) COUNTDOWN TIMER STAINLESS STEEL CASE



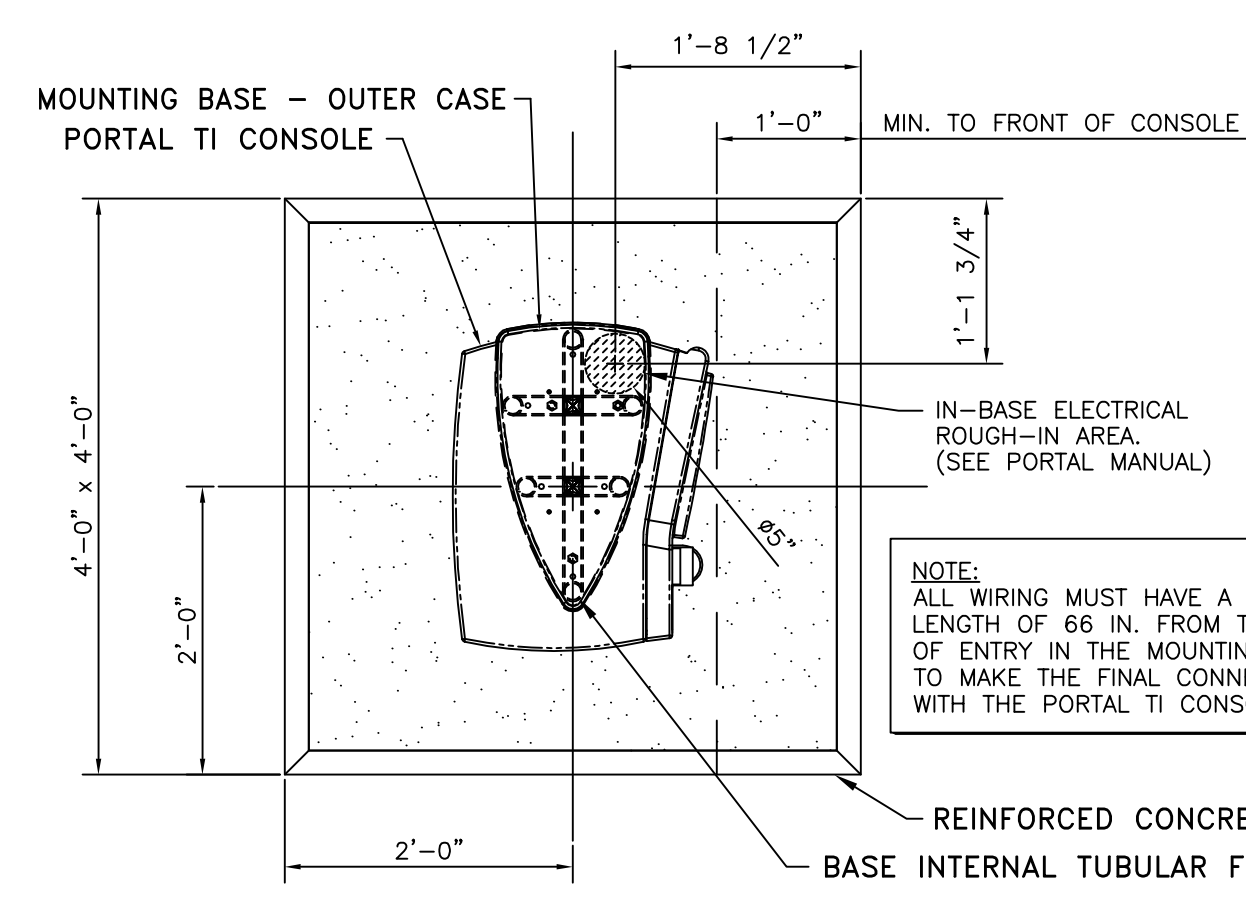
ACT-99 (RINSE DISPLAY) COUNTDOWN TIMER STAINLESS STEEL CASE



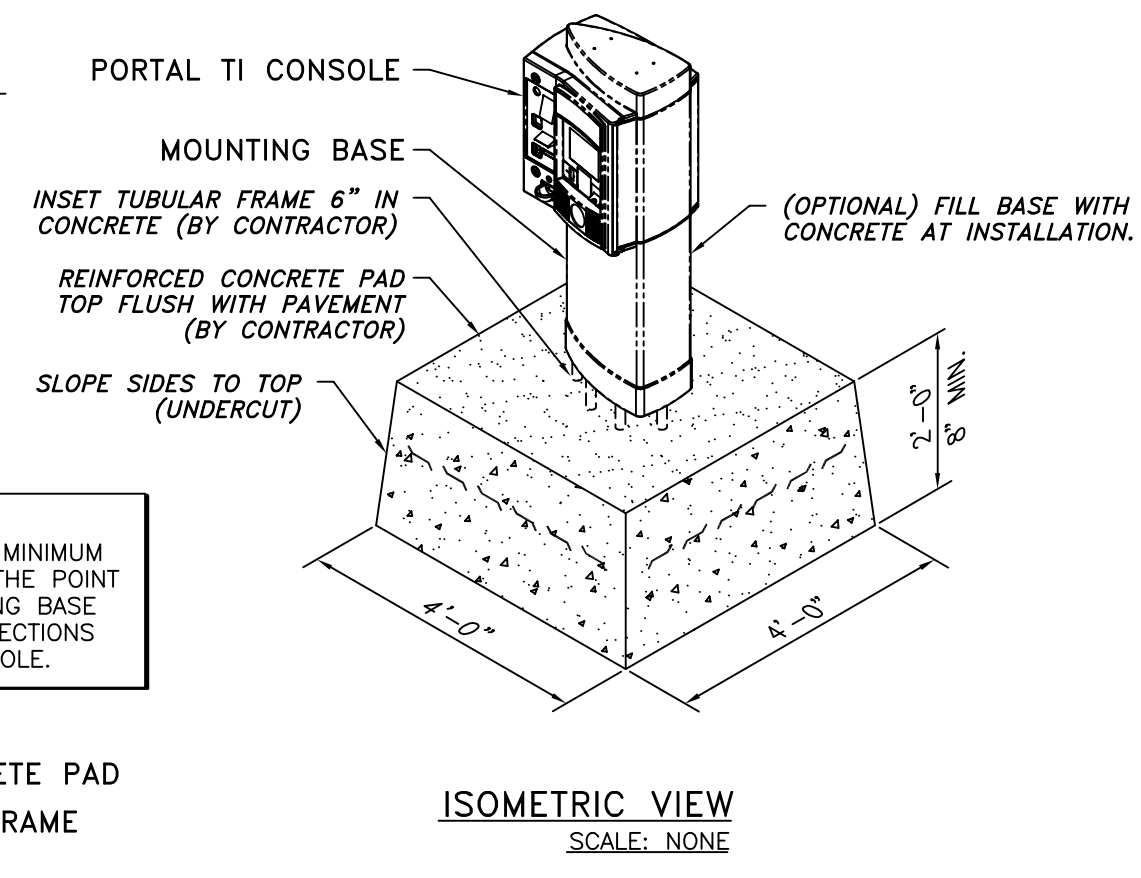
ITEM 27 ACT-99-S (D) COUNTDOWN TIMER & STAND SCALE: NONE



ITEM 24 ACT-99-S (R) COUNTDOWN TIMER & STAND SCALE: NONE



ITEM 39 PORTAL TI ENTRY SYSTEM SCALE: NONE



ISOMETRIC VIEW SCALE: NONE

GENERAL NOTES:

- ALL ELECTRICAL, PLUMBING & COMPRESSED AIR LINES AND CONNECTIONS ARE THE RESPONSIBILITY OF THE OWNER/GENERAL CONTRACTOR AND ARE TO BE MADE BY QUALIFIED LICENSED PERSONNEL TO MEET STATE AND LOCAL CODES. NEITHER AUTECH OR THEIR REPRESENTATIVES SUPPLY OR INSTALL THESE ITEMS.
- ALL MOUNTING HEIGHT DIMENSIONS STATED ON DRAWINGS ARE TO THE BOTTOM OF ITEM. (A.F.F.) = ABOVE FINISHED FLOOR.
- GLASS CAR WASH BUILDING BY AUTECH - FOUNDATION / SLAB BY OTHERS.

NOTE: ALL REQUIRED ELECTRICAL AND PLUMBING ITEMS ARE TO CONFORM TO STATE AND LOCAL CODES.

NOTE: THE INFORMATION ON THIS DRAWING IS PRESENTED AS A GUIDE AND REFERENCE ONLY AND IS SPECIFICALLY NOT FOR CONSTRUCTION.

ITEM	PART No.	DESCRIPTION	QUAN.	ITEM	PART No.	DESCRIPTION	QUAN.
57	CV/VAC-001	FRAGRAMATICS ECONOMY VAC - SUPER VACUUM WITH COMPUTER CONTROLLED TIMER	2	28	PCW-4500HV-HP	PUR-CLEAN SPOT FREE RINSE SYSTEM - WALL MOUNT (4500 GPD) WITH 2 CU. FT. CARBON FILTER WITH AUTO BACKFLUSH & (SFHV-HP) 3 HP REPRESSURIZATION PUMP; AUTOMATIC MEMBRANE BACKFLUSH; 27 GPM @ 80-100 PSI OUTPUT. (SUPPLIED BY DEALER - INSTALLED BY OTHERS)	1
56	TSS-940-PED42	48"x 6"x 5.5" NEON LETTER STICKS - w/MOUNTING PEDESTAL (BY OWNER)	10	27	ACT-99-S	COUNTDOWN TIMER w/STAND - STAINLESS STEEL CASE - DRYER TIME DISPLAY	1
55	NLCB-SX	NEON LIGHT CONTROL PANEL/SIEMENS EXPANDED PLC, OPERATES 16 FUNCTIONS AND 2 WASH PACKAGES. ENABLES LIGHTS TO REMAIN ON & FLASH AS FUNCTION OCCURS (INCLUDES FLASHERS)	1	26	BFS-45	AUTECH 45 HP TOUCHFREE BLOWER. (3) 15 HP STAINLESS STEEL ENCLOSED OVERHEAD FANS. INCLUDES MOTOR STARTER AND GUIDE RAILS. 175 AMP SERVICE REQUIRED.	1
54	1HLA5	GRAINGER DAYTON 18" DIA. EXHAUST FAN (1/4 HP, 115V, 4.5 AMP MOTOR) 19" SQUARE OPENING REQUIRED - INCLUDES AUTOMATIC SHUTTER. (BY OWNER)	1	25	BFS-30	AUTECH 30HP TOUCHFREE BLOWER. (2) 15 HP STAINLESS STEEL ENCLOSED OVERHEAD FANS. INCLUDES MOTOR STARTER AND GUIDE RAILS. 125 AMP SERVICE REQUIRED.	1
53	222A-2586-EQ	AUTECH EXTERIOR EQUIPMENT ROOM - 24'-9" x 8'-6" w/POWDER COATED ALUMINUM FRAME (COLOR SPECIFIED BY OWNER); 5/8" THK. INSULATED CLEAR POLYCARBONATE SIDEWALL CONSTRUCTION & 3' MAN DOOR TO WASH BAY.	1	23	ARA-UNI	UNIVERSAL STAINLESS STEEL RINSE/PRE-SOAK ARCH w/ 17 NOZZLES - ADJUSTS FROM 8 TO 15 FT. WIDE, INCLUDES CHEMICAL INJECTION PORT (CHEMICAL PUMPING STATIONS NOT INCLUDED)	3
52	DOOR-3-69	EXTERIOR PASSAGEWAY DOOR - 3-0 x 6-9	1	22	CBA-1-SS	BUG BUSTER (STAINLESS STEEL) - APPLIES GRIME BUSTER PRE-SOAK TO FRONT OF VEHICLE TO ENHANCE REMOVAL OF BUGS AND TAR. INCLUDES CHEMICAL STATION.	1
51	222A-RRP	AUTECH RETRACTABLE ROOF PANELS	2	21	ARA-UNI-3X	UNIVERSAL STAINLESS STEEL TRIPLE FOAM ARCH, ADJUSTS FROM 8 TO 15 FT. WIDE, INCLUDES FOAMING CHAMBERS & NOZZLE TUBES (CHEMICAL PUMPING STATIONS NOT INCLUDED)	1
50	222A-6520	AUTECH CAR WASH BUILDING - 65' X 20' X 11'-6" H. w/POWDER COATED ALUMINUM FRAME (COLOR SPECIFIED BY OWNER); 5/8" THK. FULL HEIGHT INSULATED FIXED GLASS SIDEWALL CONSTRUCTION	1	20	ARA-HPS	STAINLESS STEEL HEATED PRE-SOAK ARCH w/ 17 NOZZLES - ADJUSTS FROM 8 TO 15 FT. WIDE, INCLUDES RECIRCULATION VALVES AND FOAMING CHAMBER (HEATED CHEMICAL PUMPING STATION NOT INCLUDED)	2
49	OMHL	LITHONIA BAY FIXTURE (MODEL #TXR-400M-PA22C) - 400W METAL HALIDE	12	19	APS-HPA	HEATED CHEMICAL PUMPING STATION (USED FOR HEATED PRESOAK ARCH APPLICATION)	1
48	DX-30-100-SS	RE-VERBER-RAY 100,000 BTU GAS FIRED RADIANT HEATER, 31'-3" LENGTH (BY DEALER)	1	18	ALC-1	A LA CARTE CONTROL BOX FOR PREMIUM ENTRY SYSTEM FUNCTION SELECTION	1
47	TSS-A153S	30" LONG x 48" HIGH 7 SECTION LIGHTED CABINET w/STROBES MOUNTED ON A 30" PEDESTAL EACH SECTION LIGHTS WITH CORRESPONDING WASH FUNCTION (DRIVE FORWARD; STOP; BACK UP; TURN OFF WIPERS; CLEAR COAT PROTECTANT; SPOT FREE RINSE; EXIT)	1	17	AMS-100	AUTECH CHEMICAL MIXING STATION 28" X 52" INCLUDES 100 GAL POLY TANK & 1/3HP HEATED CHEMICAL MIXING STATION WITH COMPUTER TIMER. (PUMP NOT INCLUDED)	1
46	TSS-148S	EXTERIOR 3 LIGHT CABINET w/SUNSHIELD (STOP, WIPERS ON, PLEASE WAIT/PAY)	1	16	DPS-CR	DUAL PUMPING STATION CREDITS (REMOVES CHEMICAL MIXING STATION FROM ONE SET OF PUMPS)	1
45	91919	FREEZE PROTECTION THERMOSTAT FOR DOOR OPERATION	1	15	APS-1C	AUTECH CHEMICAL PUMPING STATION - WALL MOUNT WITH CLEAR PVC MIXING CANISTER, INCLUDES SINGLE AIR PUMP FOR CHEMICAL DELIVERY (3-SOAP, CLEAR COAT, TEC SHIELD)	5
44	AUP-ADP	AUTECH UTILITY POST FOR AUTOMATIC DOOR CONTROL PANEL - STAINLESS STEEL	2	14	RPM-1	22-FUNCTION REMOTE PAGING MONITOR (REQUIRES DEDICATED ANALOG PHONE LINE - BY OWNER)	1
43	MGH111	AIRLIFT MAGNA GLIDE HORIZONTAL DOOR OPERATORS, 8 FT./REQUIRES 40-80 PSI AIR SERVICE	2	13	ABSK-1	BELL HOSE SWITCH ASSEMBLY FOR PRE & POST WASH FUNCTIONS	1
42	10-2X10ECH0	AIRLIFT ALASKA 10'-2" W. x 10' H. EXTREME POLYCARBONATE DOORS w/ STRAPEZE COUNTER BALANCE SYSTEM, (1) 5/8" CLEAR VIEW SECTION, STAINLESS STEEL FACE	2	12	APE-1	PHOTO-EYE SWITCH SETS FOR PRE & POST WASH FUNCTIONS (TRANSMIT AND RECEIVE) w/POWER CORDS	2
41	VIDEO KIT	8 VIDEO SURVEILLANCE CAMERAS WITH COMPUTER CONTROL, MONITOR AND POWER SUPPLY (BY DEALER).	1	11	TFA-R	TREADLE FREE ACTIVATION UPGRADE - REAR OF VEHICLE (ENTRANCE END) HOE POSITION	1
40	VRV5-6	CHAMPION AIR COMPRESSOR (5HP-3PH) 60 GAL. VERTICAL TANK (19.1 CFM @ 125 PSI)	1	10	GRC-N	GUIDE RAIL COVERS. PRE INSTALLED 10 FT. TIRE PROTECTOR UPGRADE FOR GUIDE RAIL SETS	2
39	PORTAL TI-EV	UNITEC ENTRY SYSTEM w/STAND-ACCEPTS RANDOM CODES, COINS, BILLS, CREDIT CARDS, WASH CARDS, COUPONS & FLEET CODES. GIVES CHANGE. INCLUDES VOICE MESSAGING OPTION, PROXIMITY SENSOR. INCLUDES POS UNIT. (BY DEALER)	1	9	CD-1	CUSTOM DECAL FOR MACHINE HEADER PANELS	1
38		PRECAST CONCRETE CATCH BASIN w/ FRAME & GRATE; 2' W x 3' L x 4' DEEP (BY OWNER)	1	8	CD-A	CUSTOM DECAL ARTWORK	1
37		1500 GAL. CAP. PRECAST CONCRETE 3-SECTION RECLAIM TANK (BY OWNER)	2	7	AST-1	SAFE TAG FRONT LICENSE PLATE PROTECTOR - (2) TWO STAGE SIDE BRUSH CYLINDERS	1
36	PW-200-5	PUR-WATER RECLAIM SYSTEM - 60 GPM @ 40 PSI w/ ODOR CONTROL (BY DEALER)	1	6	ATB-1	TREADLE BUZZER	1
35	AWWS-EXTEND	AUTECH WINDOW WASHING SYSTEM CONTROL PANEL FOR BUILDINGS OVER 49 FT. LONG INCLUDES ADDITIONAL OUTPUTS FOR CONTROLLING WATER VALVES ON LONGER RUNS.	1	5	RSC-2	REAR SUPER CLEAN UPGRADE (REAR ARM INCLINED TO FIT VEHICLE CONTOUR, REQUIRES PPU-1 OPTION)	1
34	AWWS-1	AUTECH WINDOW WASHING SYSTEM - 4 RINSE MANIFOLDS IN 16' SECTIONS THAT COVER A TOTAL OF 32 LINEAR FEET. DESIGNED FOR GLASS BUILDINGS.	2	4	PFU-1	SOFT TOUCH POLYFLEX UPGRADE ON NEW MACHINE VS. SOFT CLOTH	1
33	F&W 2714	3 HP HIGH VOLUME, HIGH PRESSURE (27 GPM @ 80-100 PSI) PUMP w/CONTROL (FOR RO REJECT WATER DELIVERY TO 1ST RINSE ARCH) (SUPPLIED BY DEALER)	1	3	ACTA-OB	AUTECH CHEMICAL TIRE APPLICATOR w/PUMP - CHEMICAL APPLIED ON BOARD MACHINE	1
32	ROCS	AUTECH R/O CHEMICAL SUPPLY SYSTEM - INCLUDES A 14 GAL. BLADDER TANK w/STAND, 1/2" DUAL FLO JET PUMPS AND ALL REGULATORS, VALVES, HOSES & FITTINGS TO CONNECT TO THE R/O SYSTEM STORAGE TANK.	1	2	AUW-1-SS	AUTECH UNDERCARRIAGE WASH - STAINLESS STEEL	1
31		1/2 HP S.S. SUMP PUMP PACKAGE FOR R.O. SUPPLY FROM UNDERGROUND TANK (BY DEALER)	1	1	EV-1-300	AUTECH EVOLUTION SOFT TOUCH/TOUCHLESS COMBINATION VEHICLE WASHER - ALL STAINLESS STEEL WITH COMPLETE MITTER RETRACT (FORE AND AFT), WATER BASED HYDRAULICS, TANK HEATER, STAINLESS STEEL GUIDE RAILS, TREADLE RAMPS & TIRE STOPS. ON-BOARD RINSE CAPABILITY, SOAP PUMPING STATION, OFFERS SEVEN WASH PACKAGES AND CUSTOM WASH SETUP CAPABILITIES. HEATED PRE-SOAK TANK WITH DELIVERY PUMP. EQUIPPED w/ QUICK RELEASE DOOR PANELS, GREASELESS BEARINGS, NOSE SCRUBBER AND REAR JOG FEATURES. GANTRY JOG SWITCH IN CONTROL PANEL. INCLUDES EXTERIOR TWO LIGHT PACKAGE. TOUCHLESS PORTION OF MACHINE INCLUDES A 20 HP PUMPING STATION THAT PUMPS UP TO 35 GPM OF WATER THROUGH 48 OSCILLATING NOZZLES, EIGHT ADDITIONAL ON-BOARD TURBO NOZZLES ARE INCLUDED FOR SPRAYING TIRES, WHEELS & ROCKER PANELS. (INCLUDES 300 GAL. WATER TANK TO FEED PUMPING STATION, BAY BOOM & RINSE ARCH).	1
30	T-130	130 GAL. CAPACITY POLYETHYLENE STORAGE TANK - #23" x 76" HIGH (BY DEALER)	1				
29	NW-060040278	1700 GAL. CAP. POLY. TANK FOR R.O. STORAGE - 55" x 143" x 66" DEEP (BY OWNER)	1				

EQUIPMENT LIST

NO.	DATE	DESCRIPTION	BY	CHKD.
REVISIONS				
DRAWN BY: CMR				
ENGINEER:				
CHECKED:				
DATE: 03-02-2009		DRAWING NO. EV1-0144		
SCALE: AS SHOWN		SHEET 1 OF 12		

A PROPOSED PLAN OF:
STAPLETON EASTRIDGE CAR WASH, LLC
DENVER, COLORADO
PRESENTED BY:
AUTECH
Car Wash Systems - Copyright 2009
EQUIPMENT LIST AND DETAILS

GENERAL NOTES:

1. DRAIN PIPES TO BE 4" SLOPE 1/4" PER FOOT TOWARD SEWER CONNECTION.
2. ALL DIMENSION MUST BE HELD TO +/- 1/8" OR SERIOUS INSTALLATION AND OPERATION PROBLEMS MAY RESULT.
3. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL UNDERGROUND CONDUIT STUB-UP FOR LOCATION OF CONDUITS REQUIRED IN SLAB.
4. CONSIDER PROPERTY ELEVATION IN RELATION TO STREET & DEPTH REQUIRED FOR CAR WASH DRAIN LINE FROM SUMP PIT TO MAIN SEWER CONNECTION.
5. NO CURBS OR OTHER PROTRUSIONS (EXCEPT CONDUIT STUBS) CAN BE PRESENT. THESE AREAS RESERVED FOR SIGN POST MOUNTING. (SEE EQUIPMENT DWGS.)
6. ALL MATERIAL & LABOR ON THIS SHEET ARE TO BE SUPPLIED BY GENERAL CONTRACTOR, EXCEPT AS NOTED.
7. BASE PLATE KWIK BOLTS TO BE SET BY PRE-ENGINEERED BUILDING INSTALLATION CONTRACTOR WHEN COLUMNS ARE INSTALLED.
8. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND A MINIMUM CEMENT CONTENT OF 5 SACKS PER CUBIC YARD.
9. COORDINATE PLUMBING, ELECTRICAL, WASH EQUIPMENT AND OTHER WORK IN THE FOUNDATION AS REQUIRED.
10. THE FOUNDATION SHALL BE DESIGNED BY OTHERS AS REQUIRED TO WITHSTAND THE LOADS IMPOSED BY THE NEW ENCLOSURE SHOWN ON THE DRAWINGS..
11. CONSULT CCSI INTERNATIONAL INC, CONSTRUCTION MANUAL AND SITE SPECIFIC TECHNICAL DOCUMENTATION FOR MORE INSTALLATION DETAILS.

***NOTE:**

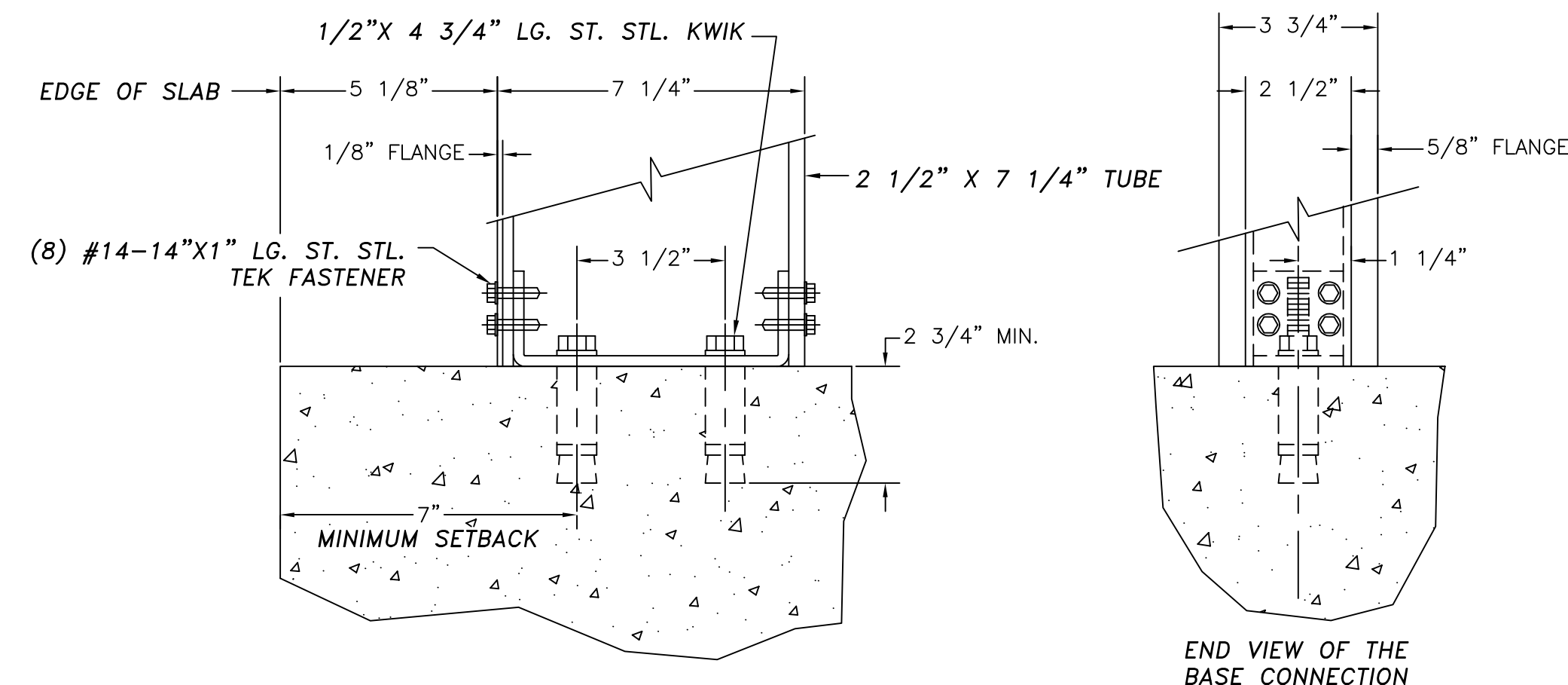
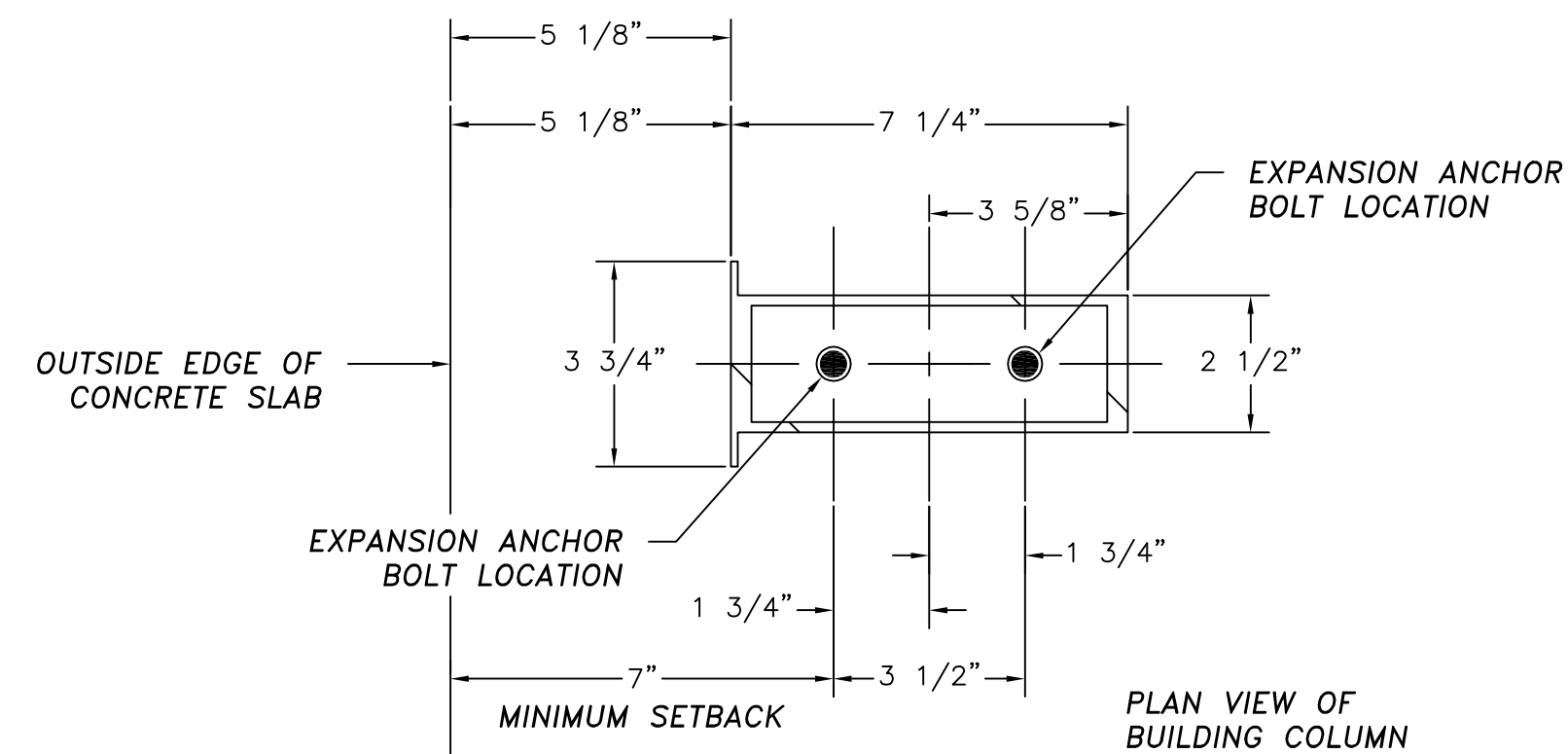
G.C. TO VERIFY ALL ELECTRICAL STUB-UPS, AND PLUMBING PIPE LOCATIONS WITH EQUIPMENT MANUFACTURER. REFER TO EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION. VERIFY ALL ROUGH INS WITH CAR WASH EQUIPMENT SUPPLIER. SEE SHEET A-3 FOR STUB UP RESTRICTIONS.

CONCRETE FOUNDATION (BY OTHERS) IS TO BE STRUCTURALLY ADEQUATE TO RESIST THE FOLLOWING LOADING PER COLUMN:

SERVICE LOAD BASE REACTIONS (TYP. AT BASE OF COLUMNS)

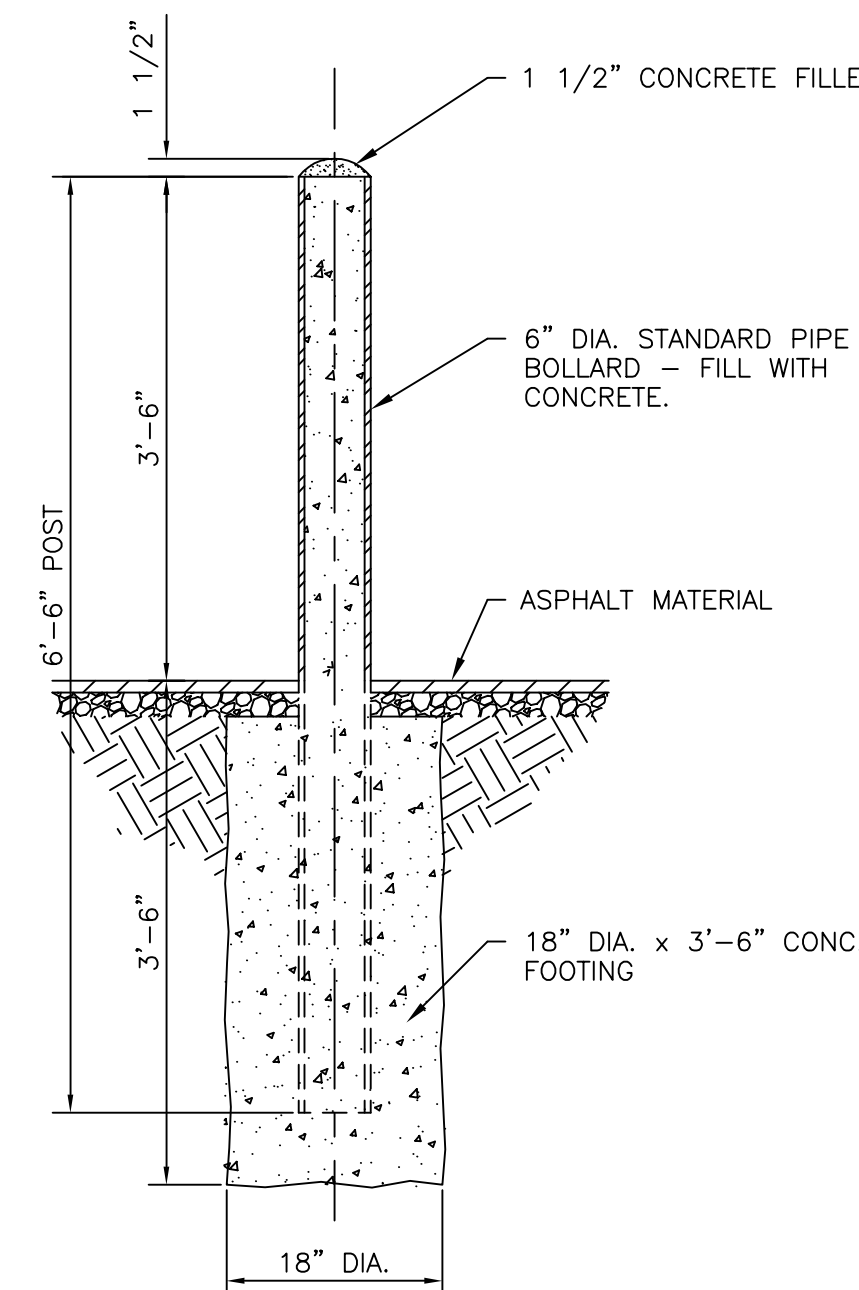
SEE DRAWINGS AND DOCUMENTATION FROM BUILDING MANUFACTURER FOR SITE SPECIFIC LOAD REQUIREMENTS FOR DESIGNING FOUNDATION/SLAB TO MEET ALL STATE AND LOCAL CODE REQUIREMENTS (BY OTHERS).

MONOLITHIC FOOTER AND SLAB IN 4,000 PSI CONCRETE MIN.



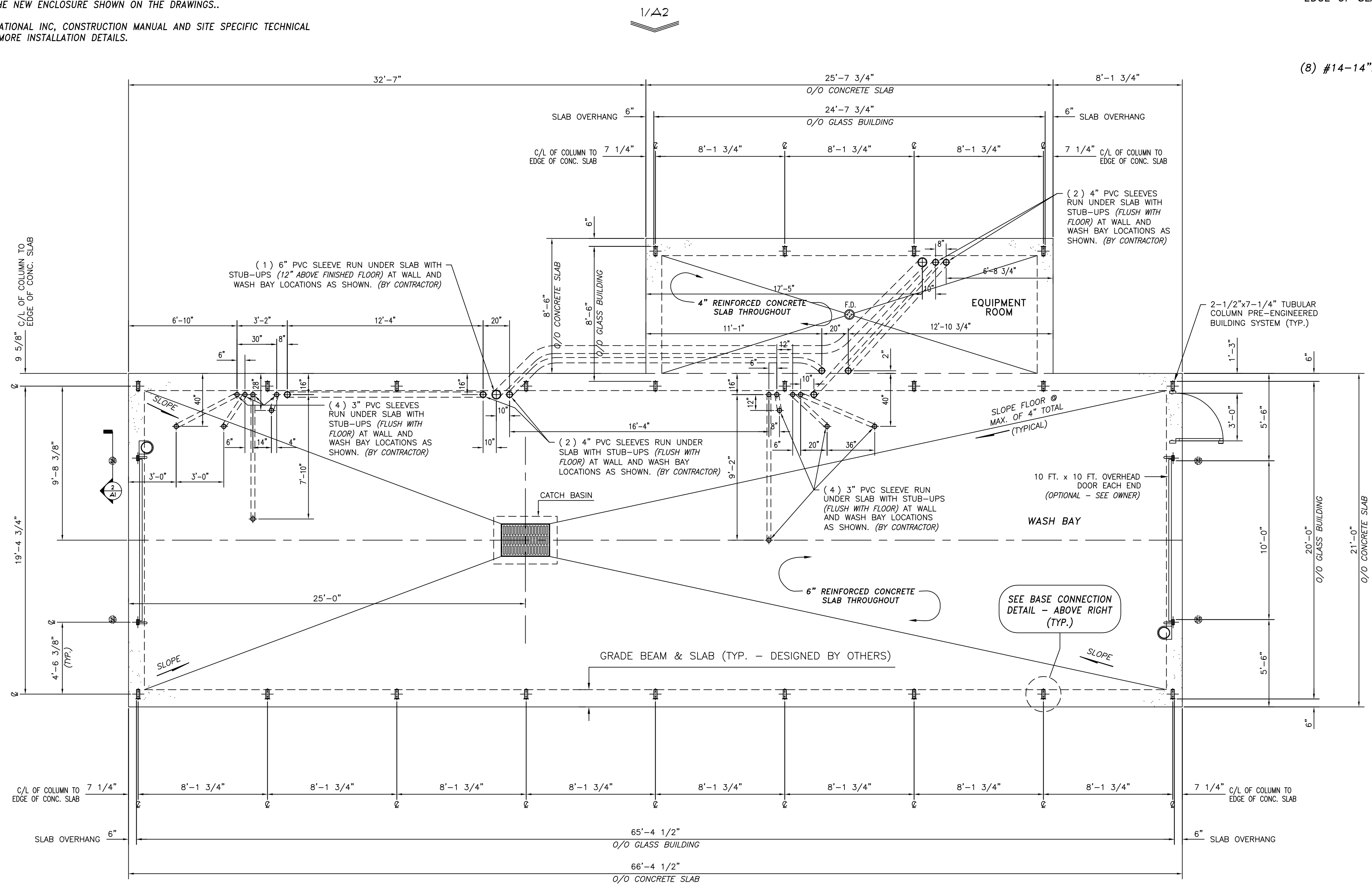
BASE CONNECTION DETAIL

SCALE: NONE



PIPE BOLLARD DETAIL

SCALE: 3/4" = 1'-0"

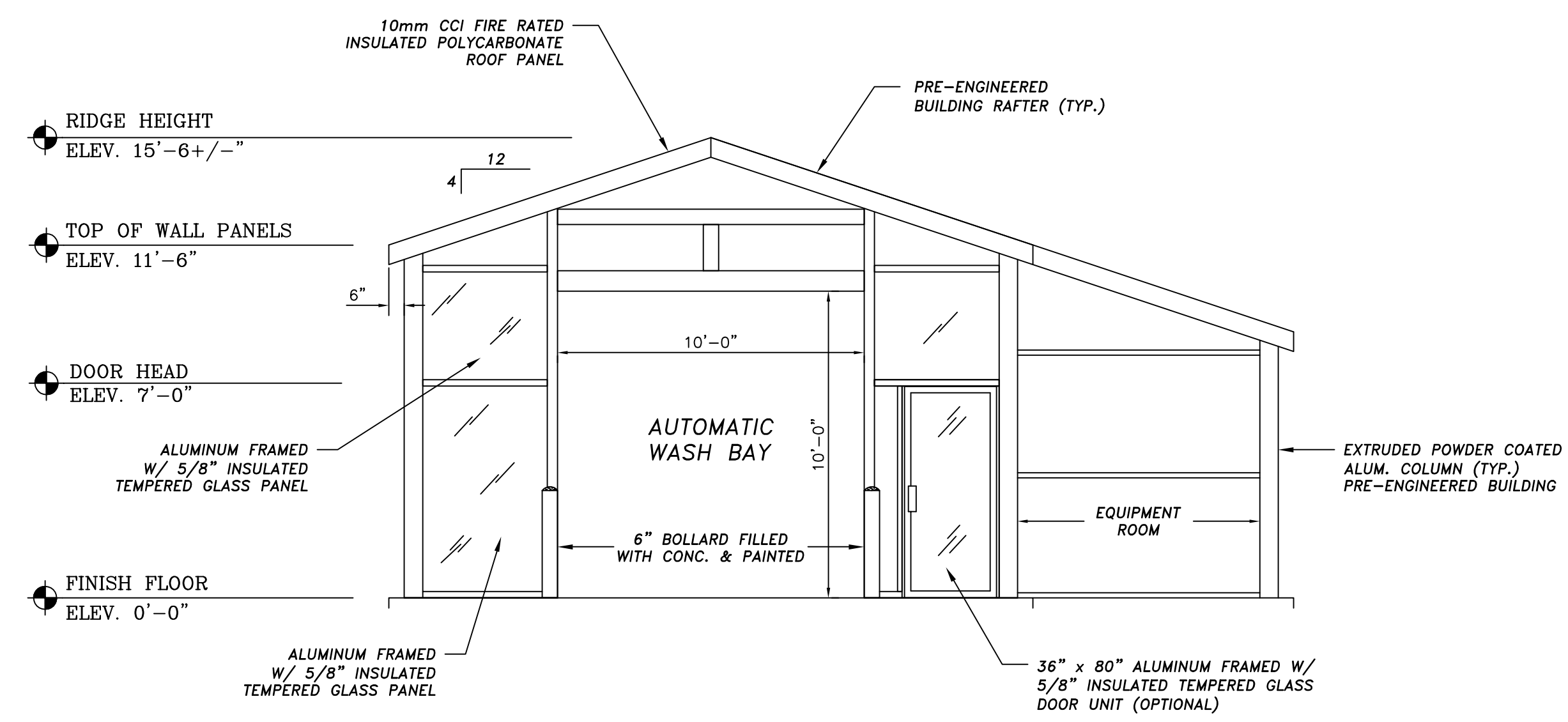


SLAB / FOUNDATION PLAN

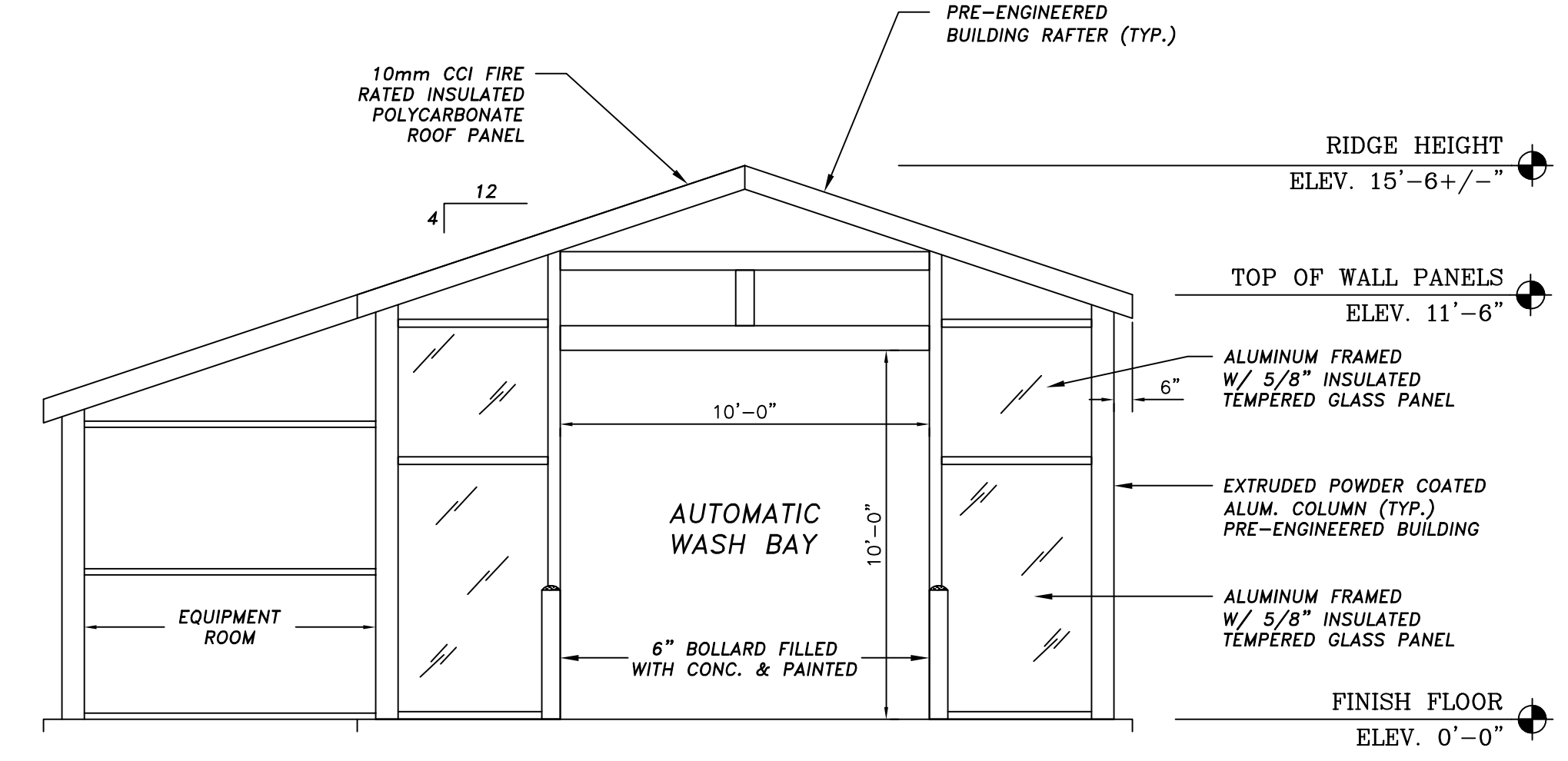
SCALE: 1/4" = 1'-0"

- NOTE -
THE INFORMATION ON THIS DRAWING IS PRESENTED AS A GUIDE AND REFERENCE ONLY AND IS SPECIFICALLY NOT FOR CONSTRUCTION.

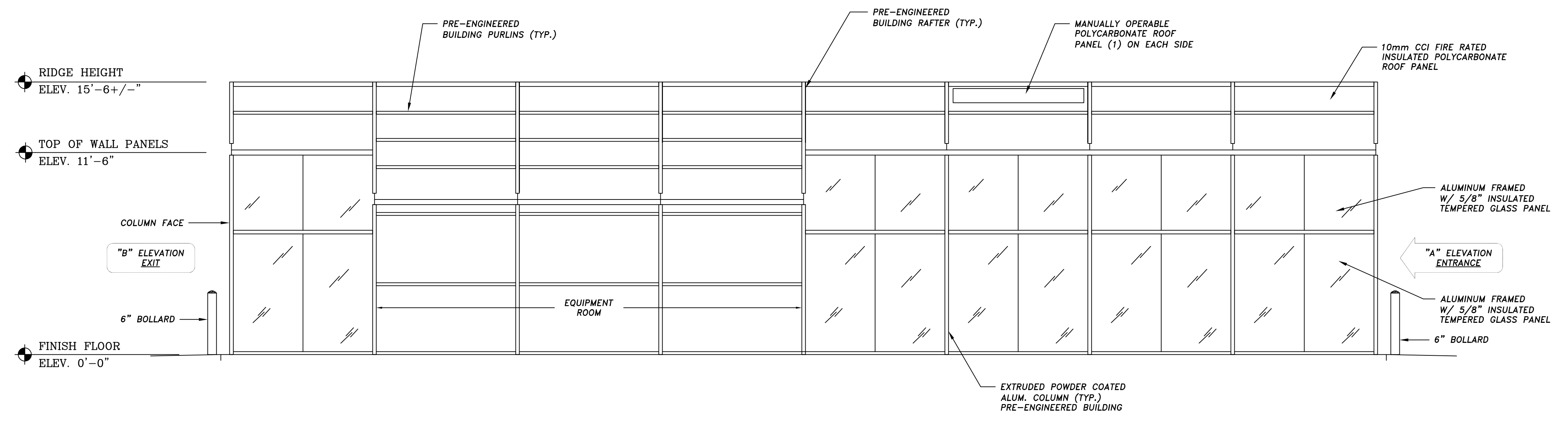
A PROPOSED PLAN OF:				STAPLETON EASTBRIDGE CAR WASH, LLC DENVER, COLORADO			
PRESENTED BY:				AUTEG Car Wash System - Copyright 2009			
NO.				DATE			
DESCRIPTION				BY			
REVISIONS				CHKD.			
DRAWN BY:		ENGINEER:		DATE:		DRAWING NO.:	
CMR				03-02-2009		A-1	
CHECKED:				SCALE:		SHEET 10 OF 12	
				AS SHOWN		0	



END "B" ELEVATION
 2
 A2
 1/4" = 1'-0"




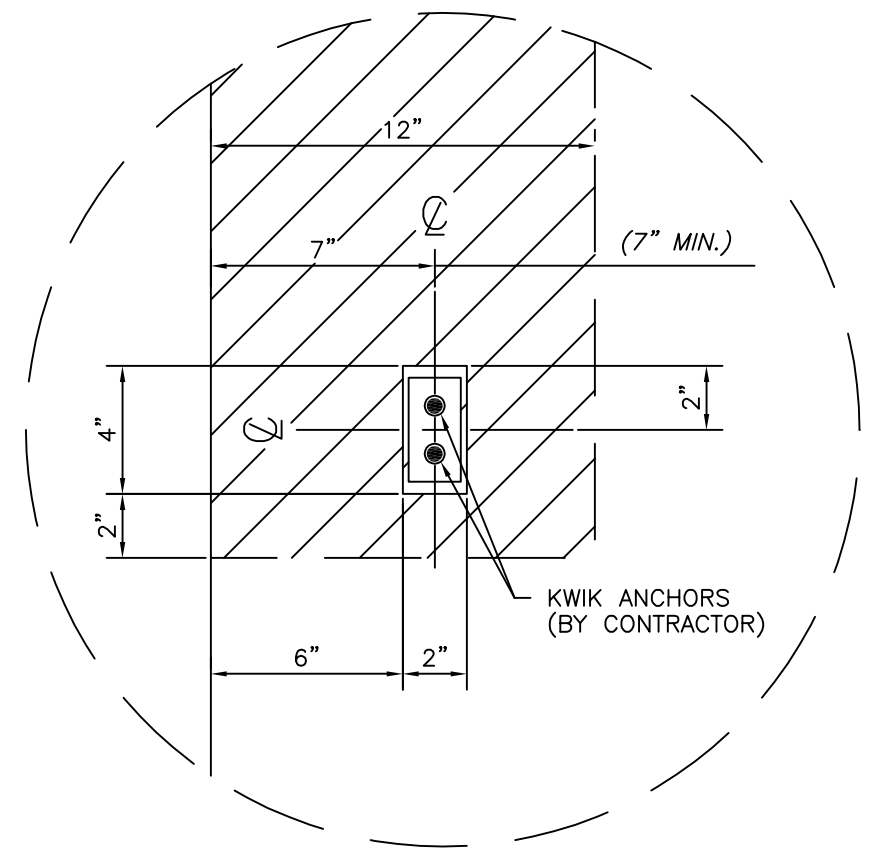
END "A" ELEVATION
 3
 A2
 1/4" = 1'-0"



SIDE ELEVATION
 1
 A2
 1/4" = 1'-0"

— NOTE —
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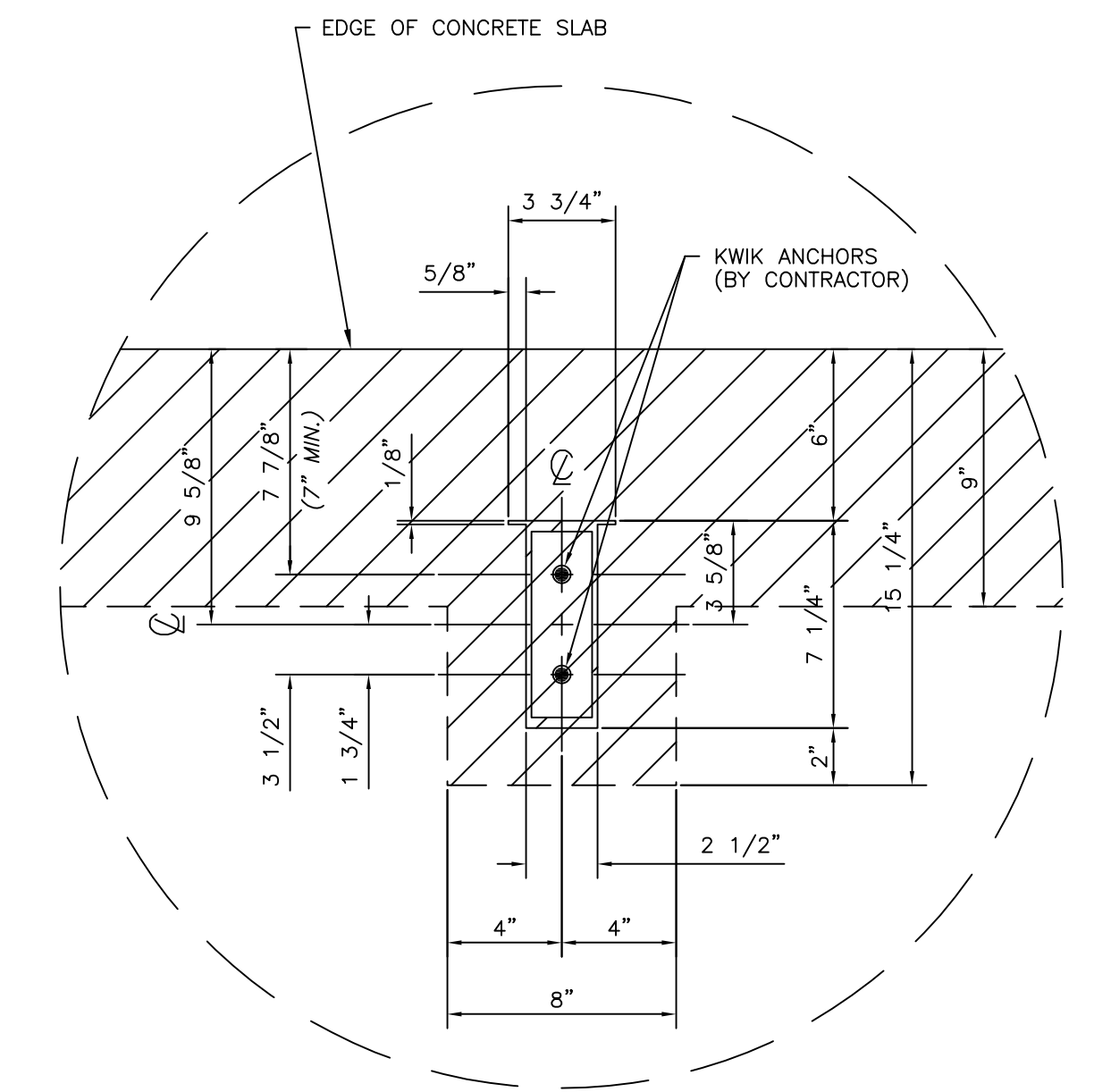
A PROPOSED PLAN OF:				STAPLETON EASTBRIDGE CAR WASH, LLC DENVER, COLORADO	
PRESENTED BY:				 Car Wash Systems - Copyright 2009	
GLASS CAR WASH BUILDING ELEVATIONS					
NO.	DATE	DESCRIPTION	BY	CHKD.	
REVISIONS					
DRAWN BY: CMR		ENGINEER:		DATE: 03-02-2009	DRAWING NO. A-2
CHECKED:				SCALE: AS SHOWN	REV. 0
					SHEET 11 OF 12



TYPICAL COLUMN AT DOORWAY

2
A3

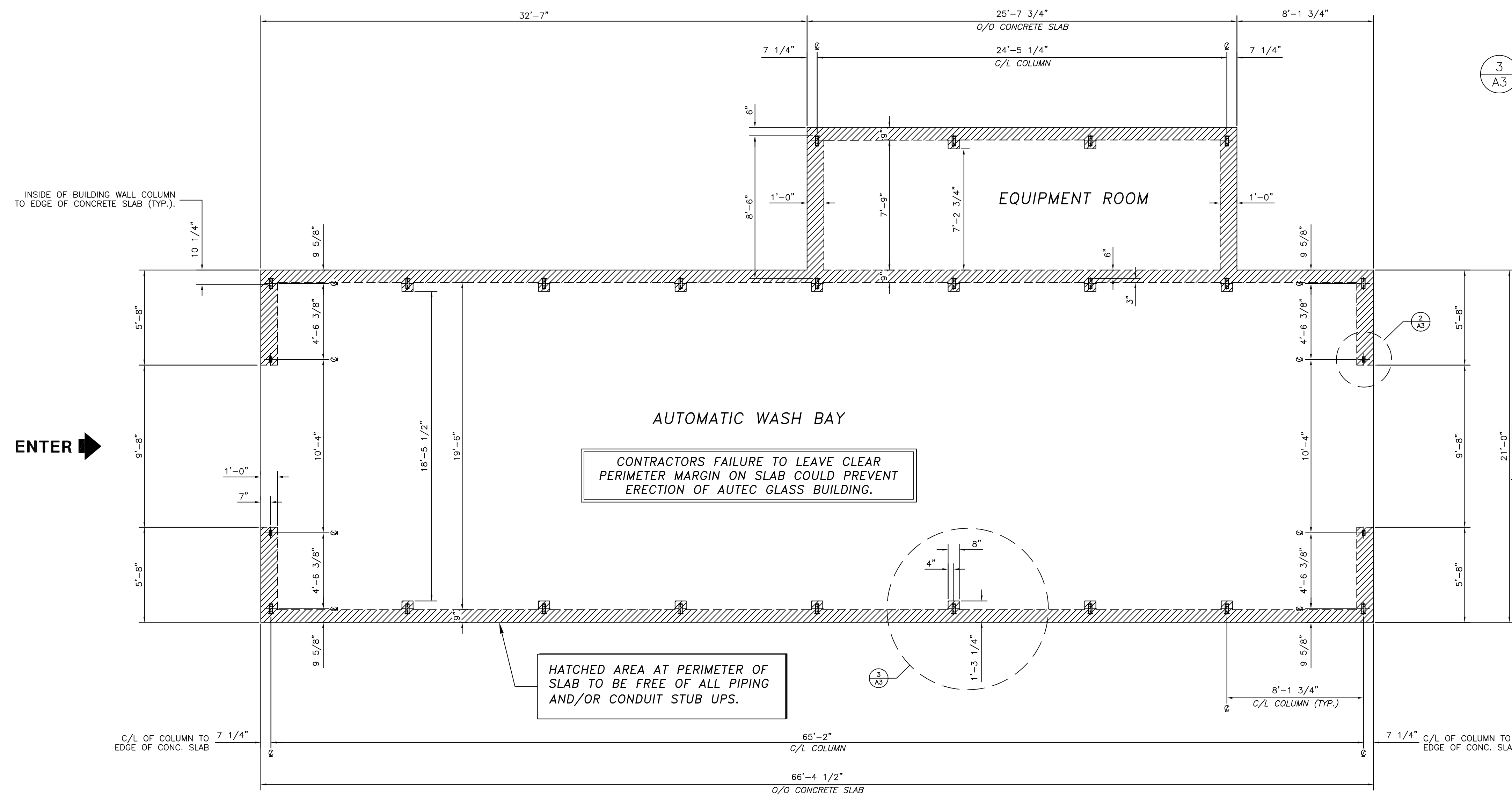
SCALE: NONE



TYPICAL BUILDING COLUMN

3
A3

SCALE: NONE



ENTER →

CONTRACTORS FAILURE TO LEAVE CLEAR PERIMETER MARGIN ON SLAB COULD PREVENT ERECTION OF AUTECH GLASS BUILDING.

HATCHED AREA AT PERIMETER OF SLAB TO BE FREE OF ALL PIPING AND/OR CONDUIT STUB UPS.

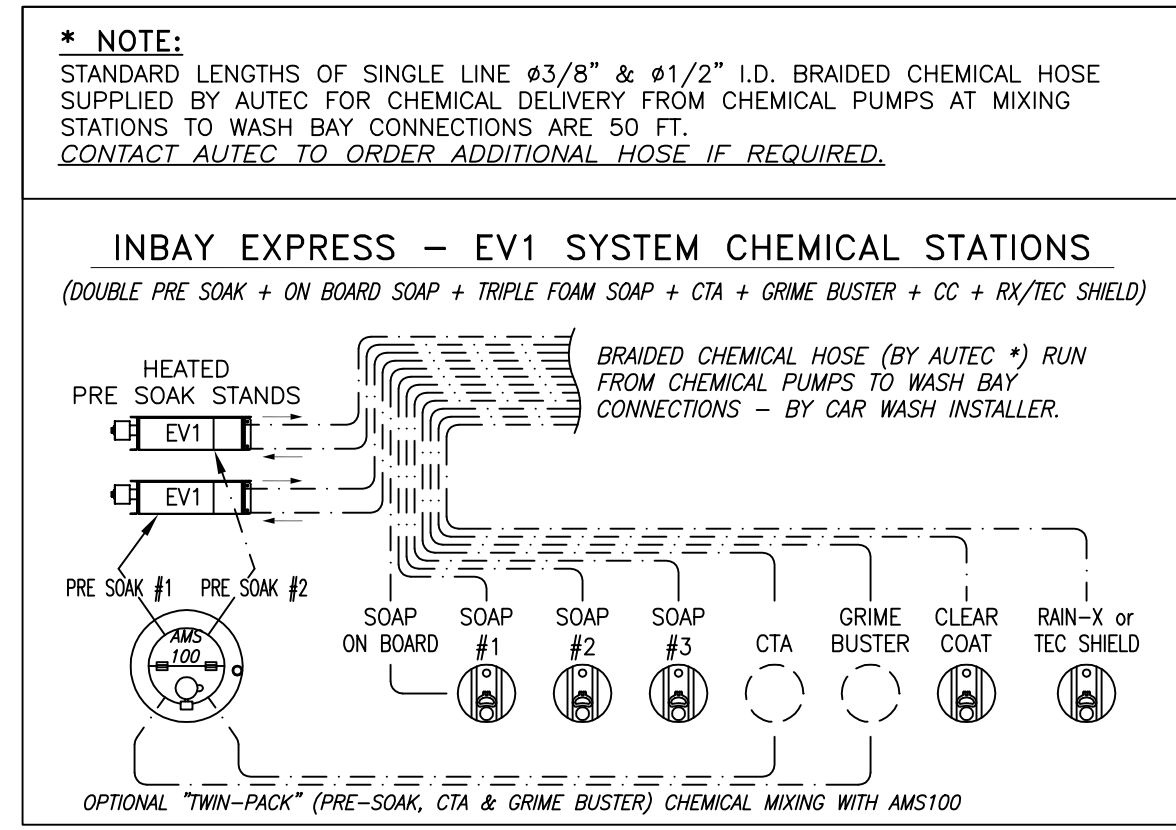
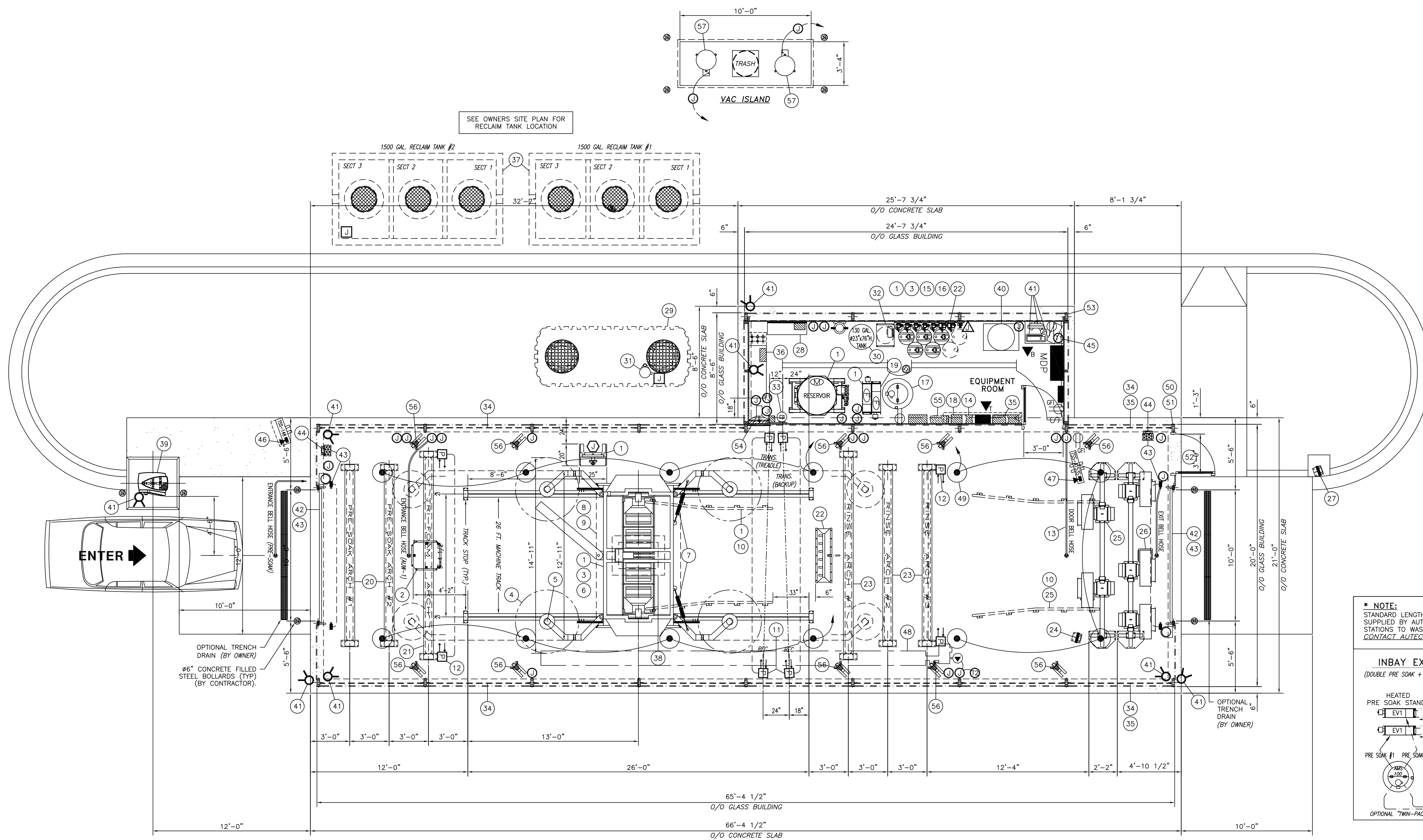
STUB-UP RESTRICTION LAYOUT

1
A3

SCALE: 1/4" = 1'-0"

— NOTE —
THE INFORMATION ON THIS DRAWING IS PRESENTED AS A GUIDE AND REFERENCE ONLY AND IS SPECIFICALLY NOT FOR CONSTRUCTION.

A PROPOSED PLAN OF:				STAPLETON EASTBRIDGE CAR WASH, LLC DENVER, COLORADO	
PRESENTED BY:				 Car Wash Systems - Copyright 2009	
REVISIONS				GLASS CAR WASH BUILDING STUB-UP RESTRICTIONS LAYOUT	
NO.	DATE	DESCRIPTION	BY	CHKD.	REV.
DRAWN BY: CMR			ENGINEER:		DRAWING NO. A-3
CHECKED:			DATE: 03-02-2009		REV. 0
SCALE: AS SHOWN				SHEET 12 OF 12	



EQUIPMENT LAYOUT PLAN
SCALE: 1/4" = 1'-0"

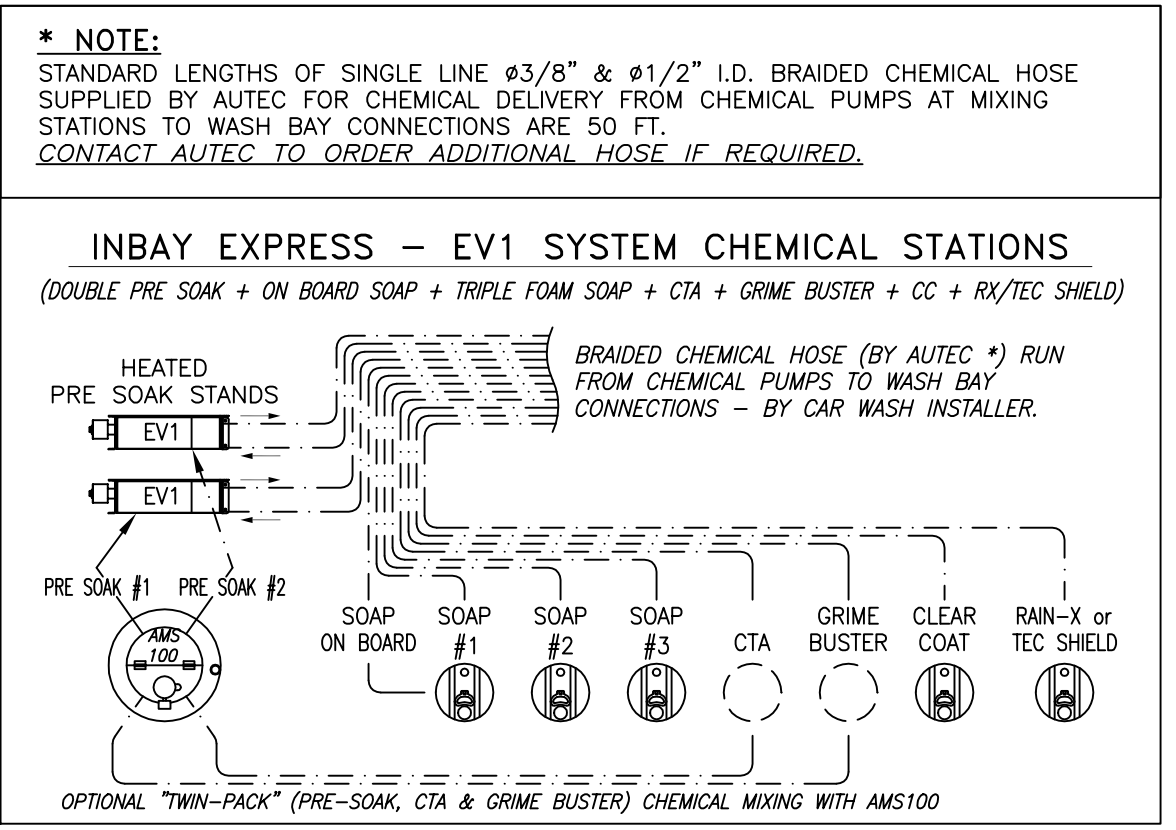
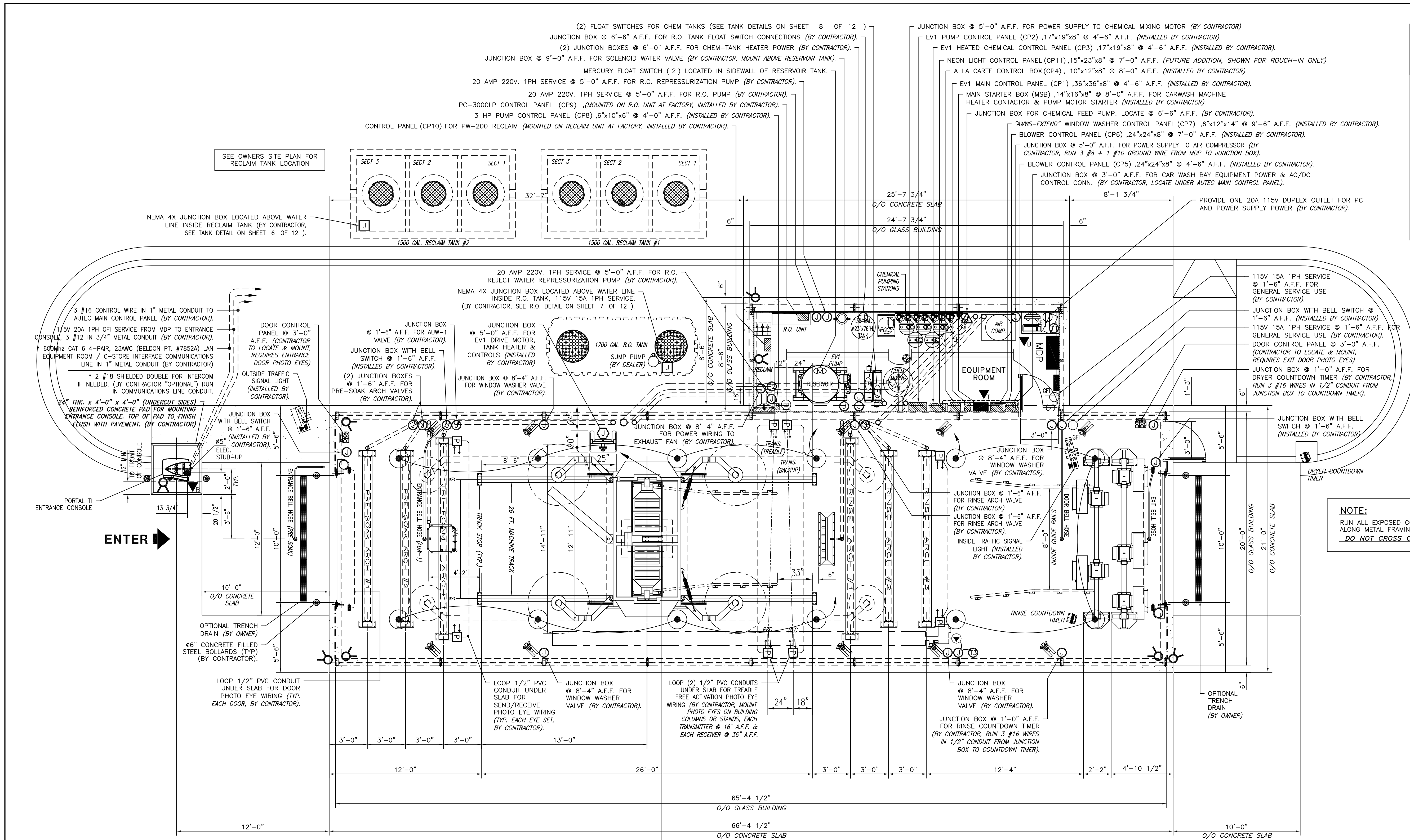
GENERAL NOTES:

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- ALL MOUNTING HEIGHT DIMENSIONS STATED ON DRAWINGS ARE TO THE BOTTOM OF ITEM. (A.F.F.) = ABOVE FINISHED FLOOR.
- GLASS CAR WASH BUILDING BY AUTEC - FOUNDATION / SLAB BY OTHERS.

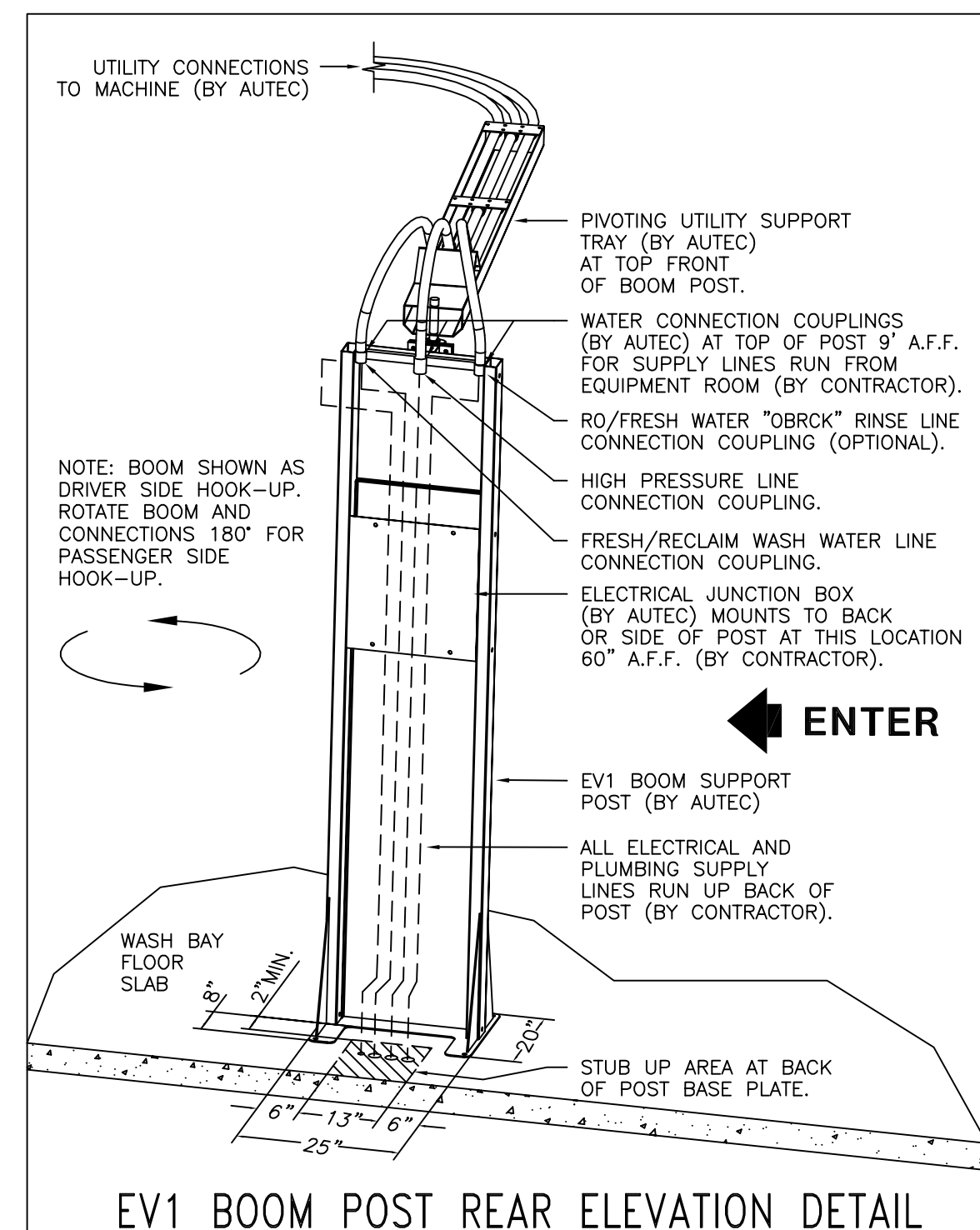
NOTE:
ALL REQUIRED ELECTRICAL AND PLUMBING ITEMS ARE TO CONFORM TO STATE AND LOCAL CODES.

NOTE
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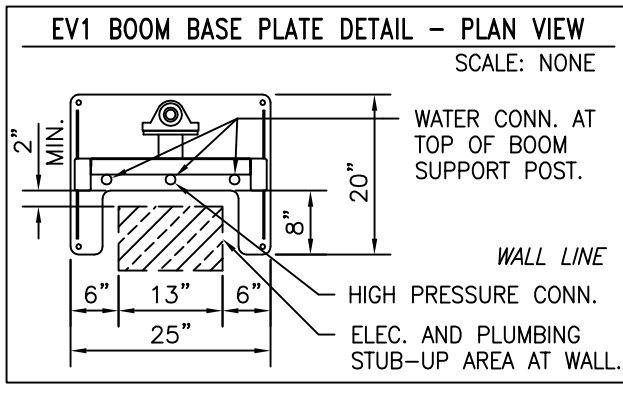
A PROPOSED PLAN OF: STAPLETON EASTBRIDGE CAR WASH, LLC DENVER, COLORADO				
PRESENTED BY: AUTEC Car Wash Systems - Copyright 2009				
EQUIPMENT LAYOUT PLAN				
NO.	DATE	DESCRIPTION	BY	CHKD.
REVISIONS				
DRAWN BY: CMR		ENGINEER:		DATE: 03-02-2009
CHECKED:				DRAWING NO.: EV1-0144
				SCALE: AS SHOWN
				REV. 0
				SHEET 2 OF 12



NOTE:
RUN ALL EXPOSED CONDUIT IN CAR WASH BUILDING ALONG METAL FRAMING.
DO NOT CROSS CLEAR GLAZING PANELS I



- GENERAL NOTES:**
- ALL WIRING TO BE IN CONDUIT (BY ELEC. CONTRACTOR). WIRE TO TREADLE SWITCH TO BE IN RIGID CONDUIT (BY ELEC. CONTRACTOR).
 - ALL JUNCTION BOXES TO BE WATERPROOF TYPE - SEE SCHEDULE ON SHEET 4 OF 12 FOR SIZES.
 - 50 AMP 208/230V 3PH DISCONNECT REQUIRED ONLY IF MDP IS LOCATED IN SEPARATE AREA OR IF MDP IS MORE THAN 50'-0" AWAY FROM "AUTEC" MAIN STARTER BOX. (VERIFY WITH LOCAL CODES)
 - ALL WIRING TO BE "TFN" FOR 18/16 AWG & "THWN" OR EQUIVALENT FOR 14 AWG UP.
 - ALL ELECTRICAL, PLUMBING & COMPRESSED AIR LINES AND CONNECTIONS ARE THE RESPONSIBILITY OF THE OWNER/GENERAL CONTRACTOR AND ARE TO BE MADE BY QUALIFIED LICENSED PERSONNEL TO MEET STATE AND LOCAL CODES. NEITHER AUTEC OR THEIR REPRESENTATIVES SUPPLY OR INSTALL THESE ITEMS.
 - ALL MOUNTING HEIGHT DIMENSIONS STATED ON DRAWINGS ARE TO THE BOTTOM OF ITEM. (A.F.F.) = ABOVE FINISHED FLOOR.
 - DOOR HEIGHT OPENING MUST BE 10'-0" MIN.
 - INSIDE HEIGHT CLEARANCE FOR CAR WASH EQUIPMENT MUST BE 10'-11" MIN.
 - GLASS CAR WASH BUILDING BY AUTEC - FOUNDATION / SLAB BY OTHERS.



NOTE:
ITEMS MARKED AS SUPPLIED AND/OR INSTALLED "BY CONTRACTOR" ARE ULTIMATELY THE OWNER/GENERAL CONTRACTOR'S RESPONSIBILITY. THE CAR WASH EQUIPMENT SUPPLIED BY AUTEC OR THEIR DEALER/DISTRIBUTOR WILL BE SET UP BY THE CAR WASH INSTALLER WHEN ALL SUPPORTING UTILITIES ARE COMPLETE OR AS REQUIRED DURING THE BUILDING CONSTRUCTION PROCESS.

SEE SHEETS 4 & 5 OF 12 (POWER & EQ. 2 & 3) FOR SYMBOL SCHEDULE, LOADS AND WIRING DETAILS.

— NOTE —
THE INFORMATION ON THIS DRAWING IS PRESENTED AS A GUIDE AND REFERENCE ONLY AND IS SPECIFICALLY NOT FOR CONSTRUCTION.

NOTE:
ALL REQUIRED ELECTRICAL AND PLUMBING ITEMS ARE TO CONFORM TO STATE AND LOCAL CODES.

A PROPOSED PLAN OF: STAPLETON EASTBRIDGE CAR WASH, LLC DENVER, COLORADO				
PRESENTED BY: AUTEC Car Wash Systems - Copyright 2009				
POWER AND EQUIPMENT				
1				
NO.	DATE	DESCRIPTION	BY	CHKD.
REVISIONS				
DRAWN BY:	CMR	ENGINEER:		
CHECKED:				
DATE:	03-02-2009	DRAWING NO.:	EV1-0144	REV.:
SCALE:	AS SHOWN			0
				SHEET 3 OF 12

ELECTRICAL LOAD TABLE

ITEM	QUANTITY	HP	SUGGESTED BREAKER SIZE *		PHASE	REMARKS
			208/230V	460V		
CARWASH MOTOR	1	10	50 AMP	25 AMP	3 PH	
EV1 PUMP SYSTEM	1	20	80 AMP	40 AMP	3 PH	
DBL. CHEM. STAND	2	1	100 AMP	50 AMP	3 PH	(INCLUDES 2 TANK HEATERS)
BLOWER MOTORS	3	15	175 AMP	80 AMP	3 PH	
BLOWER MOTORS	2	15	125 AMP	60 AMP	3 PH	
RECLAIM MOTOR	1	5	30 AMP	15 AMP	3 PH	
R. O. PUMP	1	1.5	20 AMP		1 PH	
R. O. REPRESSURIZATION	1	3	20 AMP		1 PH	
REJECT REPRESSURIZATION	1	3	20 AMP		1 PH	
AIR COMPRESSOR	1	5	20 AMP	10 AMP	3 PH	

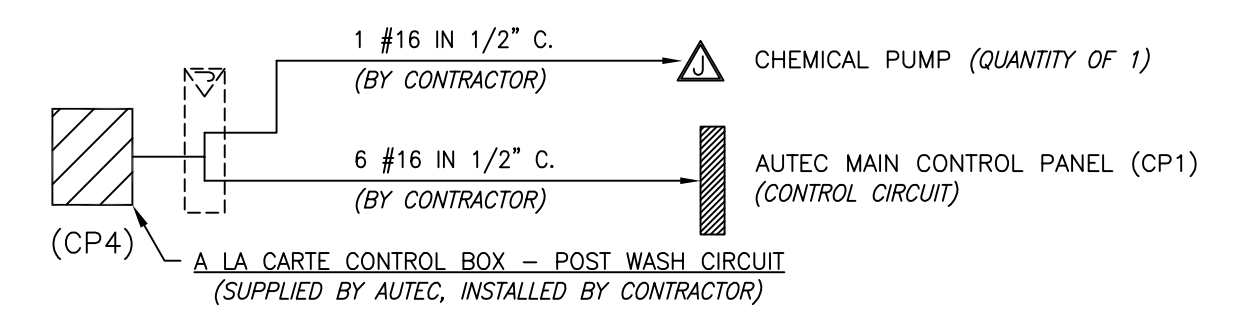
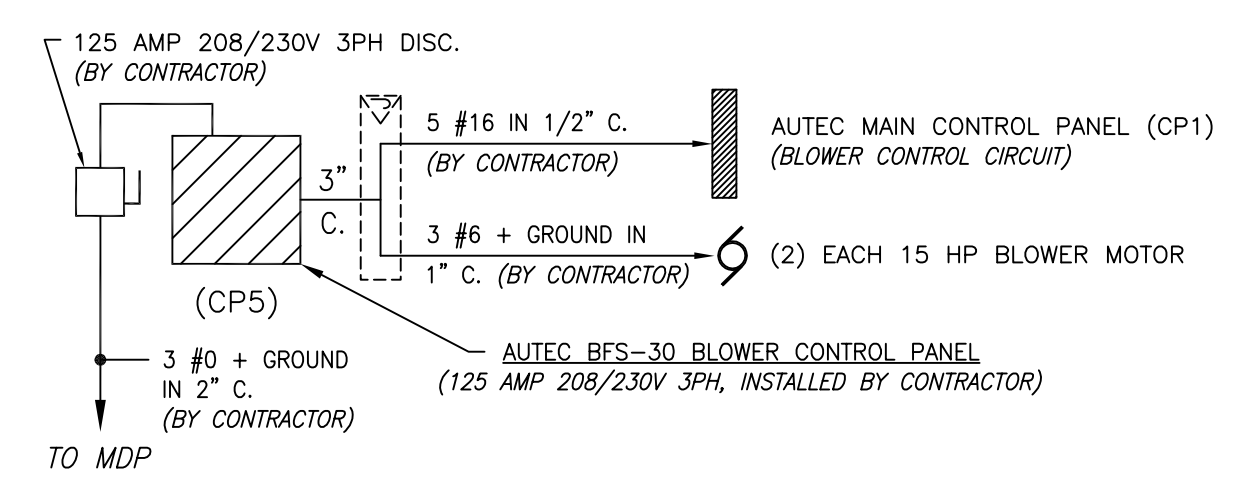
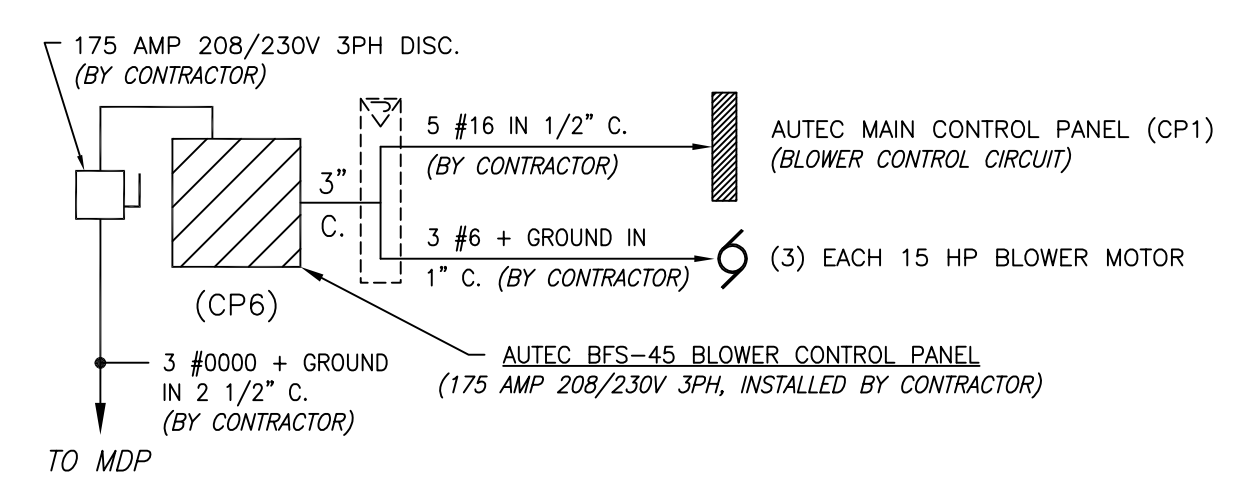
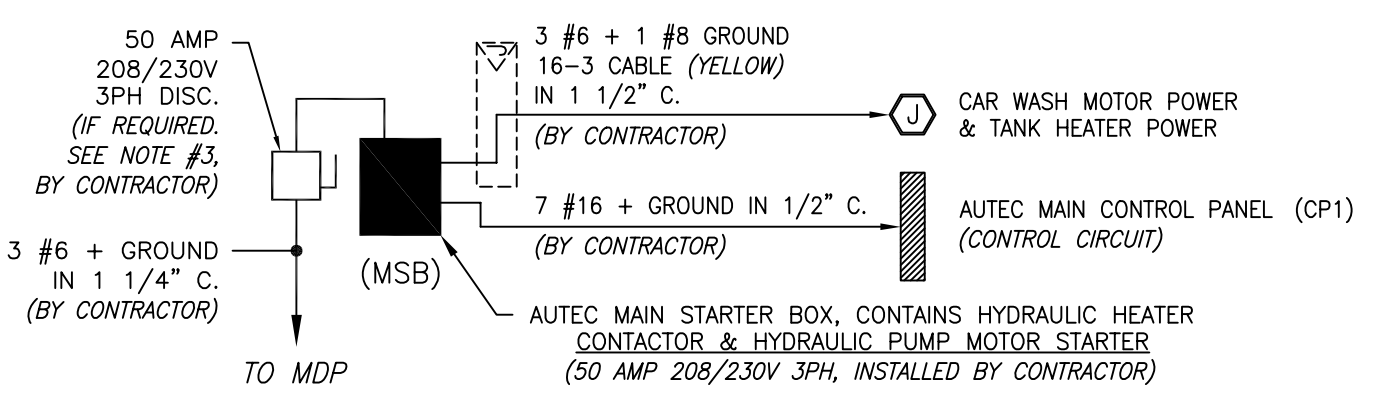
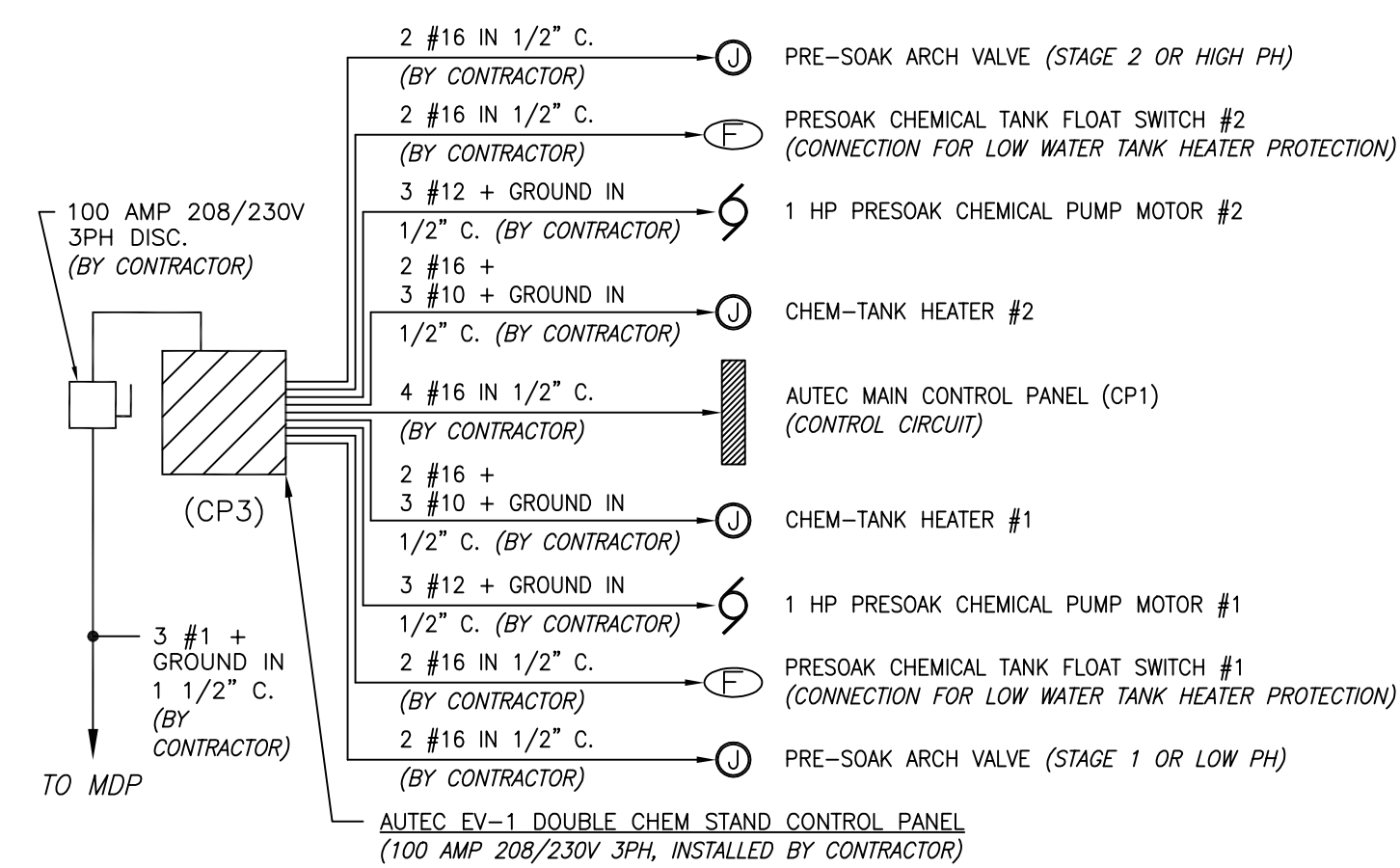
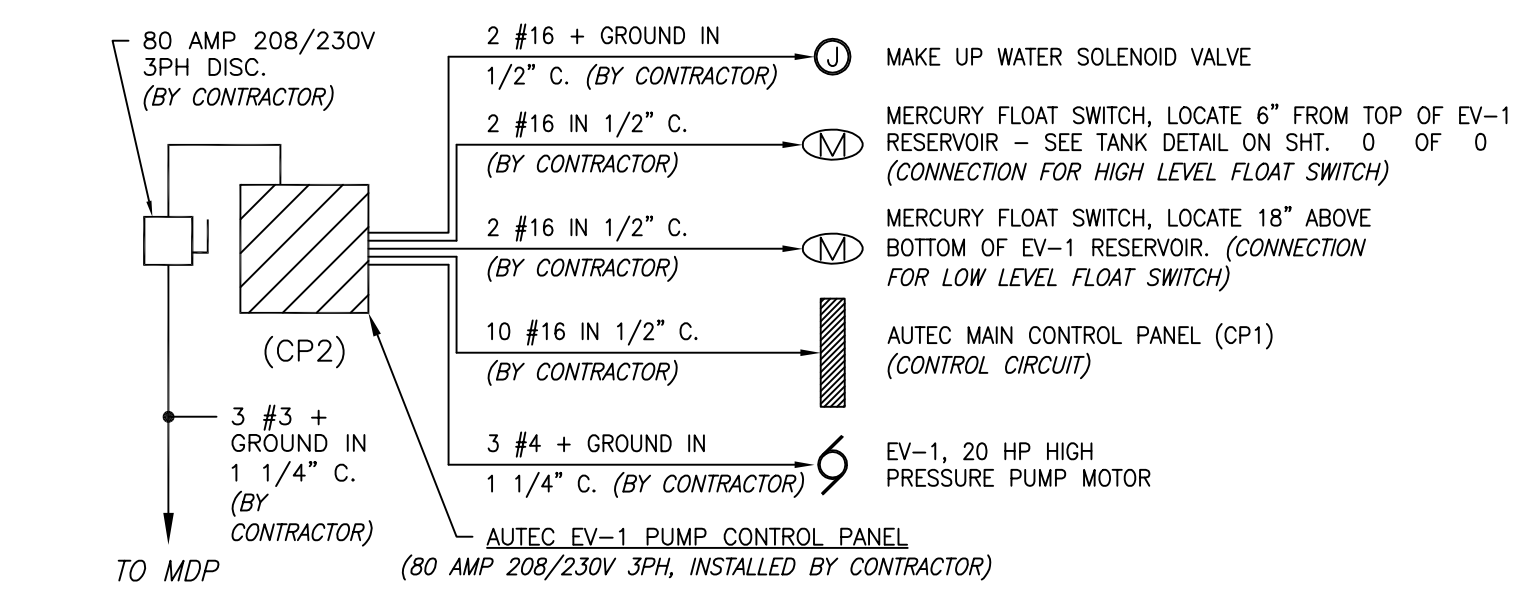
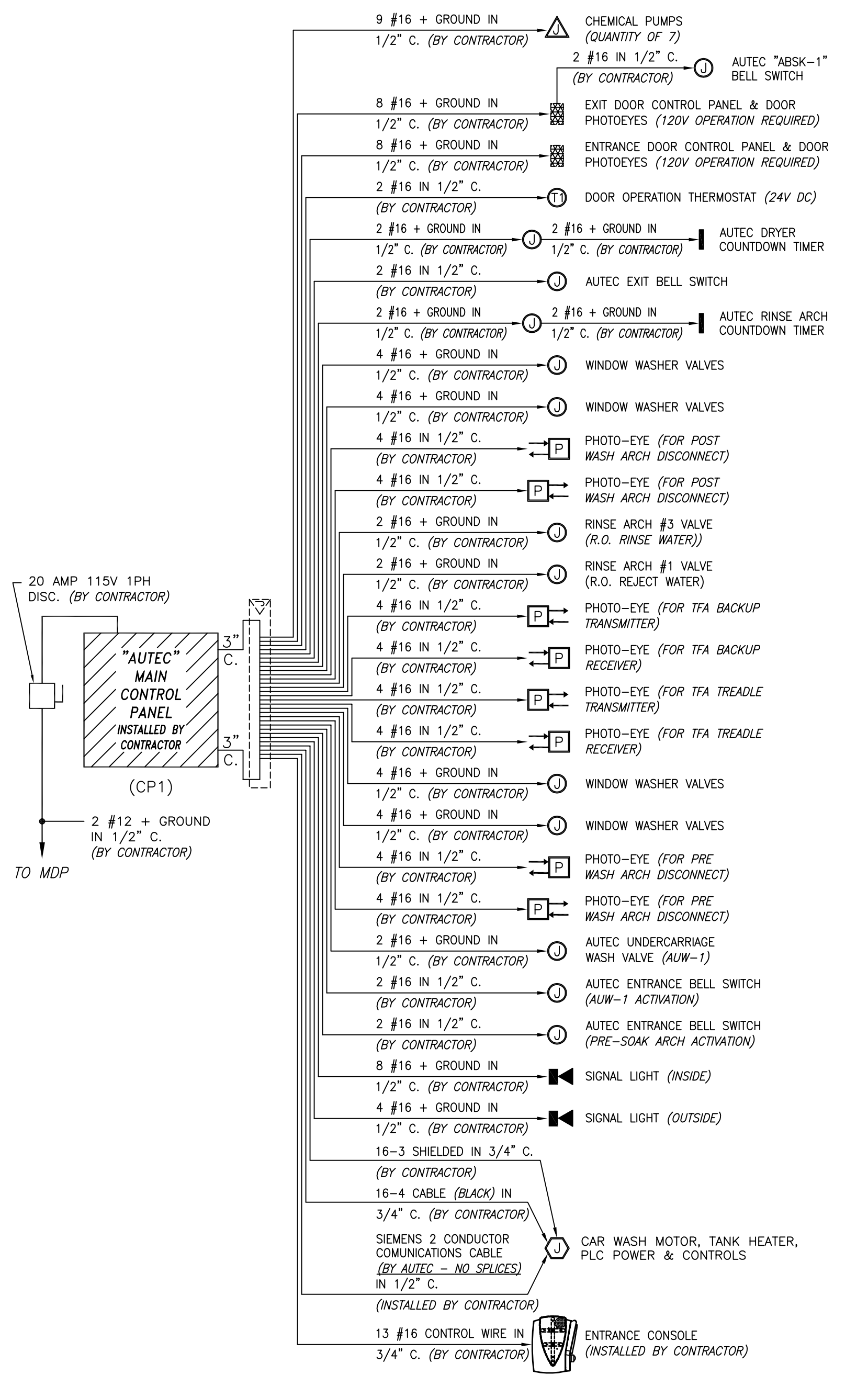
ITEM	QUANTITY	VOLTS/AMPS	PHASE	REMARKS
ENTRANCE CONSOLE	1	115V 20 AMP	1 PH	(GFI CIRCUIT REQUIRED)
SERVICE OUTLET	2	115V 15 AMP	1 PH	(GFI CIRCUIT REQUIRED)
MAIN CONTROL PANEL	1	115V 20 AMP	1 PH	
RECLAIM CONTROL	1	115V 20 AMP	1 PH	
1/2 HP S/S SUMP PUMP	1	115V 15 AMP	1 PH	(VERIFY WITH DEALER)
EXHAUST FAN	1	115V 15 AMP	1 PH	
VIDEO / PC	1	115V 20 AMP	1 PH	
1/3 HP MIXING MOTOR	1	115V 15 AMP	1 PH	(PRE-SOAK CHEM TANK)
BAY LIGHTS (4) 400W	1	115V 20 AMP	1 PH	
BAY LIGHTS (4) 400W	1	115V 20 AMP	1 PH	
BAY LIGHTS (4) 400W	1	115V 20 AMP	1 PH	
EQUIPMENT ROOM LIGHTS	1	115V 20 AMP	1 PH	
NLCB-SX LIGHT PANEL	1	115V 60 AMP	1 PH	(FUTURE ADDITION)
CAR VACUUM	1	115V 25 AMP	1 PH	(VERIFY WITH DEALER)
CAR VACUUM	1	115V 25 AMP	1 PH	(VERIFY WITH DEALER)

* THESE ARE SUGGESTED BREAKER SIZES BASED ON TYPICALLY USED EQUIPMENT. VERIFY EQUIPMENT LOAD REQUIREMENTS WITH ACTUAL EQUIPMENT USED. SIZE ELECTRICAL SERVICE ACCORDINGLY.

NOTE: SEE OWNER FOR AREA LIGHTING & ALL OTHER EQUIPMENT LOADS REQUIRED AT SITE

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	REMARKS	SUPPLIED BY	INSTALLED BY	NO. REQ'D.
⊕	JUNCTION BOX	2" X 4" X 2"	ELEC. CONTRACTOR	ELEC. CONTRACTOR	27
⊕	JUNCTION BOX	6" X 6" X 6"	ELEC. CONTRACTOR	ELEC. CONTRACTOR	1
⊕	JUNCTION BOX	16" X 14" X 8"	AUTEC	ELEC. CONTRACTOR	1
⊕	JUNCTION BOX	2" X 4" X 2" NEMA 4X (WATERPROOF)	ELEC. CONTRACTOR	ELEC. CONTRACTOR	2
⊕	JUNCTION BOX	10" X 10" X 72" TROUGH (NEMA 3R)	ELEC. CONTRACTOR	ELEC. CONTRACTOR	1
⊕	DUPLEX RECEPTACLE	2"x4"x2" JUNCTION BOX	ELEC. CONTRACTOR	ELEC. CONTRACTOR	2
⊕	DUPLEX RECEPTACLE	2"x4"x2" J. BOX w/WEATHERPROOF COVER	ELEC. CONTRACTOR	ELEC. CONTRACTOR	2
⊕	TELEPHONE OUTLET	(1-DEDICATED LINE TO CAR WASH EQUIP.)	OWNER	ELEC. CONTRACTOR	1
⊕	BROADBAND OUTLET	(1-HIGH SPEED DSL/CABLE LINE TO CAR WASH EQUIP.)	OWNER	ELEC. CONTRACTOR	1
⊕	SINGLE POLE SWITCH	.	ELEC. CONTRACTOR	ELEC. CONTRACTOR	1
⊕	FLUORESCENT STRIP	8 FT.	ELEC. CONTRACTOR	ELEC. CONTRACTOR	2
⊕	#TXR-400M-PAZ2C BAY LIGHT	LITHONIA / 400W METAL HALIDE	OWNER	ELEC. CONTRACTOR	12
⊕	NEON LIGHT STICK	115 V. - 1PH (FUTURE ADDITION)	.	ELEC. CONTRACTOR	10
⊕	SIGNAL LIGHT	115 V. - 1PH	AUTEC	ELEC. CONTRACTOR	2
⊕	VIDEO CAMERA	(SEE MANUFACTURER FOR INSTALLATION INFO)	DEALER	ELEC. CONTRACTOR	8
⊕	THERMOSTAT	FOR AUTOMATIC DOOR OPERATION	AUTEC	ELEC. CONTRACTOR	1
⊕	THERMOSTAT	FOR EQUIPMENT ROOM VENT OPERATION	OTHERS	ELEC. CONTRACTOR	1
⊕	THERMOSTAT	FOR WASH BAY HEAT OPERATION	DEALER	ELEC. CONTRACTOR	1
⊕	HEATER BURNER/CONTROL	.	DEALER	ELEC. CONTRACTOR	1
⊕	MERCURY FLOAT SWITCH	(SEE TANK DETAIL FOR MOUNTING)	AUTEC	ELEC. CONTRACTOR	2
⊕	FLOAT SWITCH	(FOR HEATER PROTECTION IN CHEM STAND TANK)	AUTEC	ELEC. CONTRACTOR	2
⊕	PHOTOEYES (SEND & RECEIVE SETS)	(FOR "TFA-1" TREADLE FREE ACTIVATION)	AUTEC	ELEC. CONTRACTOR	2
⊕	PHOTOEYES (SEND & RECEIVE SETS)	(FOR RINSE ARCH OPERATION)	AUTEC	ELEC. CONTRACTOR	2
⊕	PHOTOEYES (SEND & RECEIVE SETS)	(FOR WASH BAY DOOR OPERATION)	DEALER	ELEC. CONTRACTOR	2
⊕	AUTOMATIC DOOR CONTROL PNL.	.	DEALER	ELEC. CONTRACTOR	2
⊕	COUNTDOWN TIMER	RINSE ARCH & BLOWER TIMER	AUTEC	ELEC. CONTRACTOR	2
⊕	MAIN STARTER BOX (MSB)	CONTACT AUTEC FOR DELIVERY SCHEDULE	AUTEC	ELEC. CONTRACTOR	1
⊕	CONTROL PANEL (CP1,2,3,4,5,6,7)	CONTACT AUTEC FOR DELIVERY SCHEDULE	AUTEC	ELEC. CONTRACTOR	7
⊕	CONTROL PANEL (CP8,9,10)	CONTACT DEALER FOR DELIVERY SCHEDULE	DEALER	ELEC. CONTRACTOR	3
⊕	CONTROL PANEL (CP11)	(FUTURE ADDITION - ROUGH-IN ONLY)	AUTEC	ELEC. CONTRACTOR	1
⊕	MDP	MAIN DISTRIBUTION PANEL	ELEC. CONTRACTOR	ELEC. CONTRACTOR	1



GENERAL NOTES:

- ALL WIRING TO BE IN CONDUIT (BY ELEC. CONTRACTOR). WIRE TO TREADLE SWITCH TO BE IN RIGID CONDUIT (BY ELEC. CONTRACTOR).
- ALL JUNCTION BOXES TO BE WATERPROOF TYPE - SEE SCHEDULE FOR SIZES.
- 50 AMP 208/230V 3PH DISCONNECT REQUIRED ONLY IF MDP IS LOCATED IN SEPARATE AREA OR IF MDP IS MORE THAN 50'-0" AWAY FROM "AUTEC" MAIN STARTER BOX. (VERIFY WITH LOCAL CODES)
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CIRCUIT DIAGRAMS

(CONTRACTOR TO SUPPLY ALL WIRING RUNS IN CONDUIT TO AND FROM CONTROL PANELS)

A PROPOSED PLAN OF:
STAPLETON EASTRIDGE CAR WASH, LLC
DENVER, COLORADO

PRESENTED BY:
AUTEC
Car Wash Systems - Copyright 2009

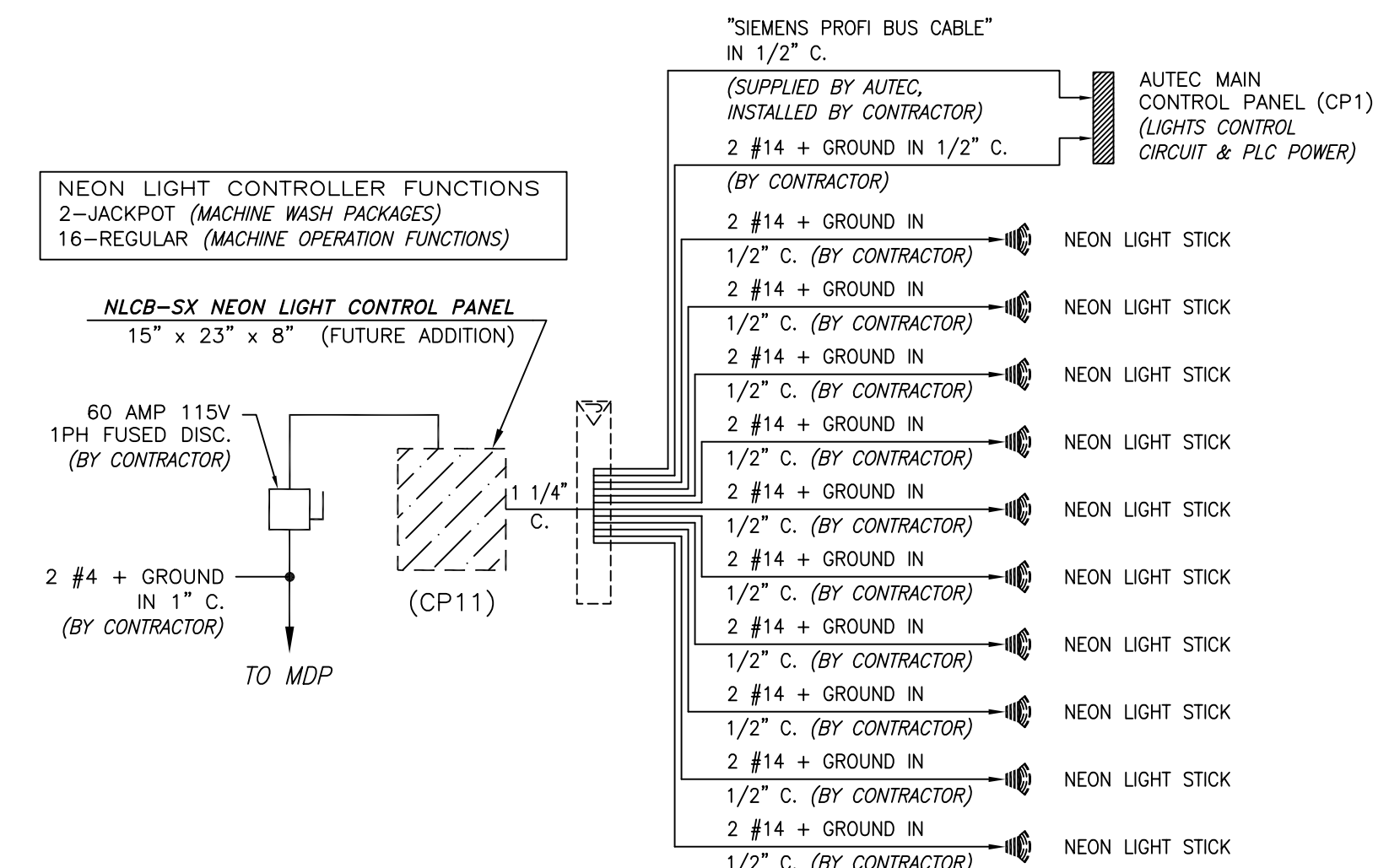
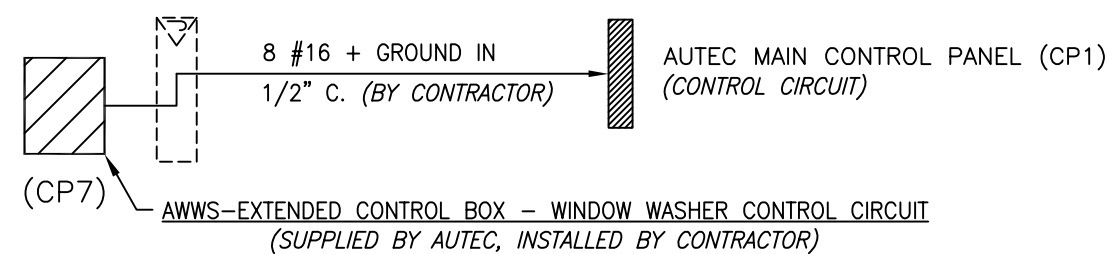
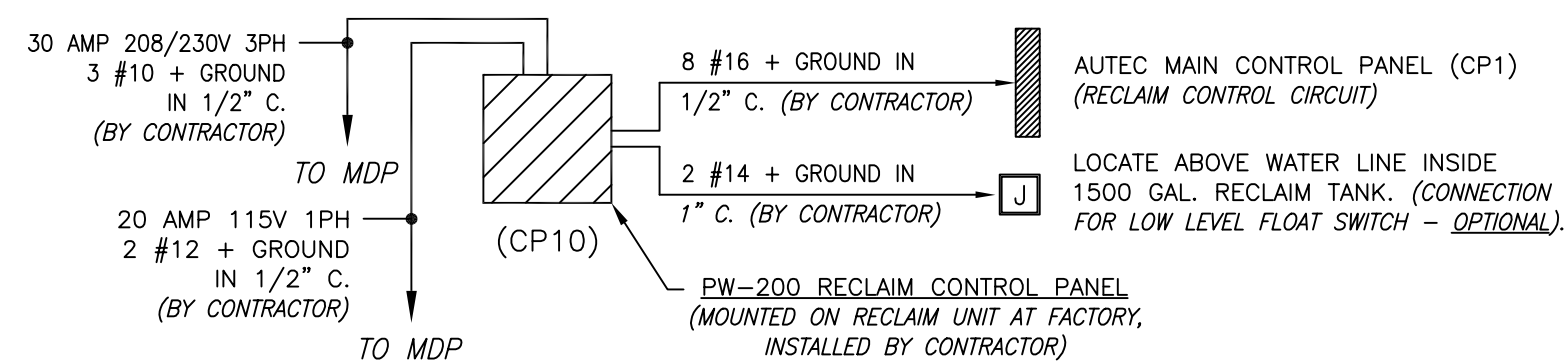
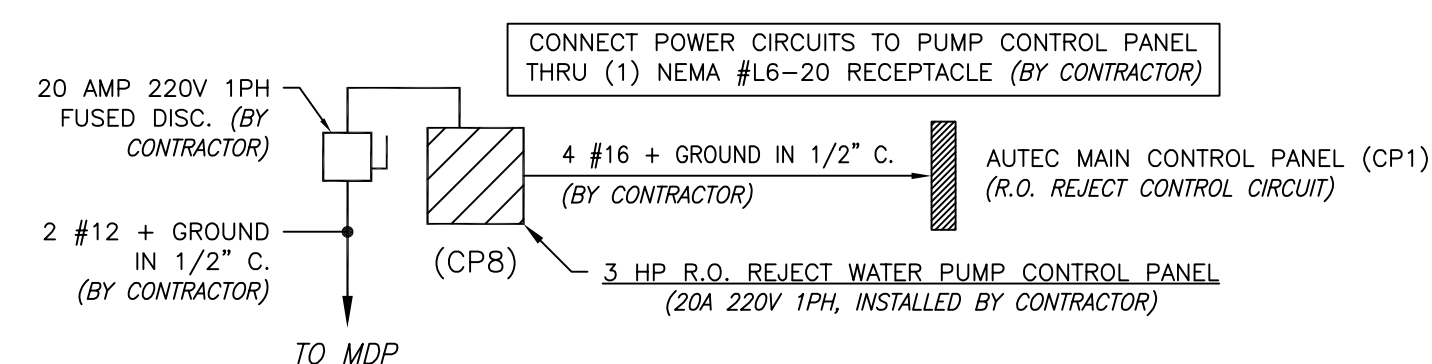
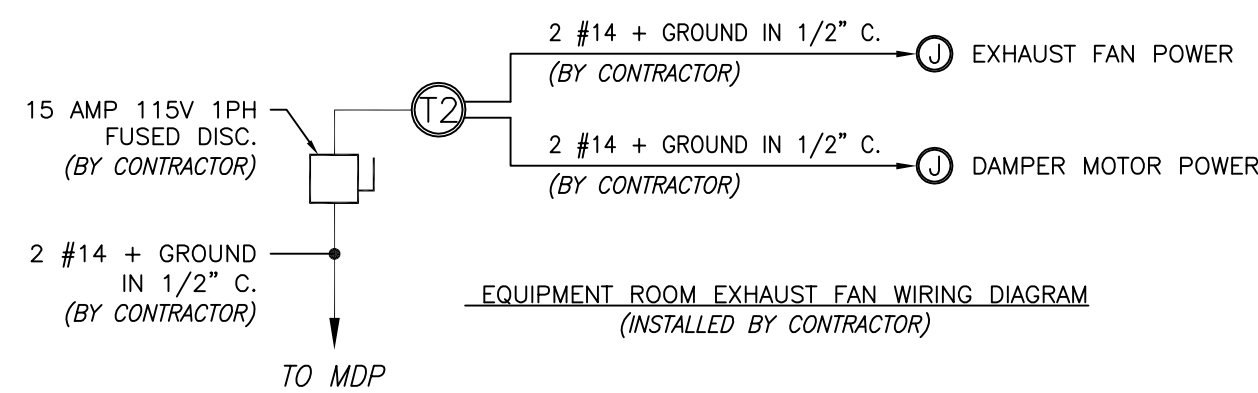
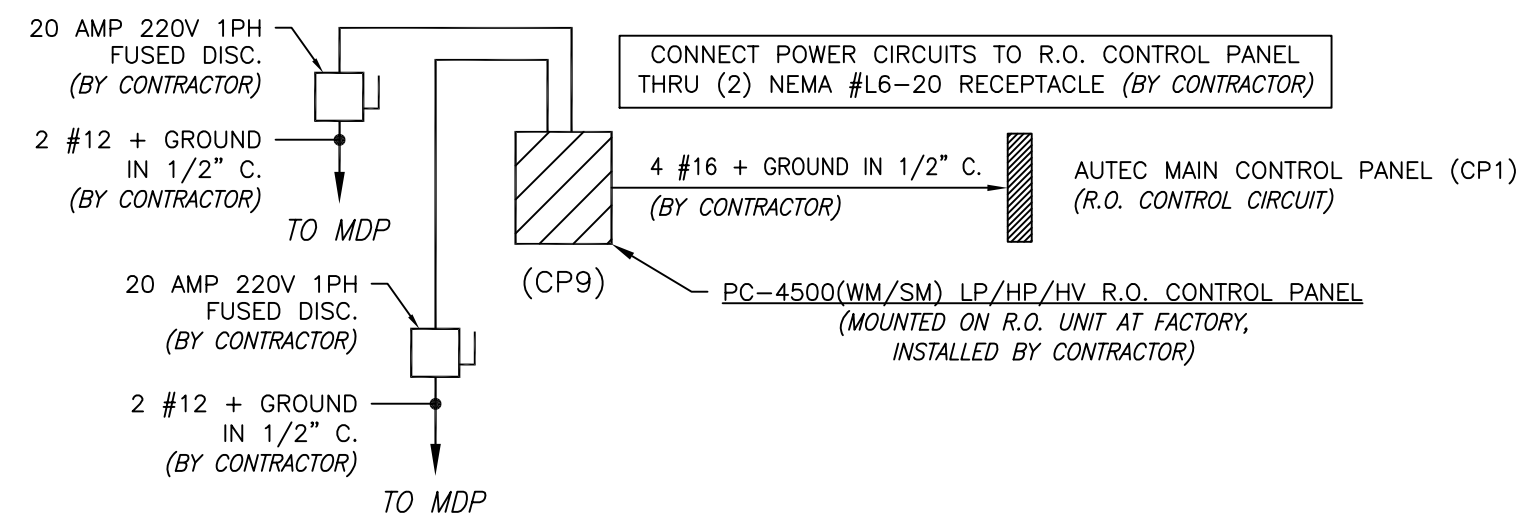
POWER AND EQUIPMENT

2

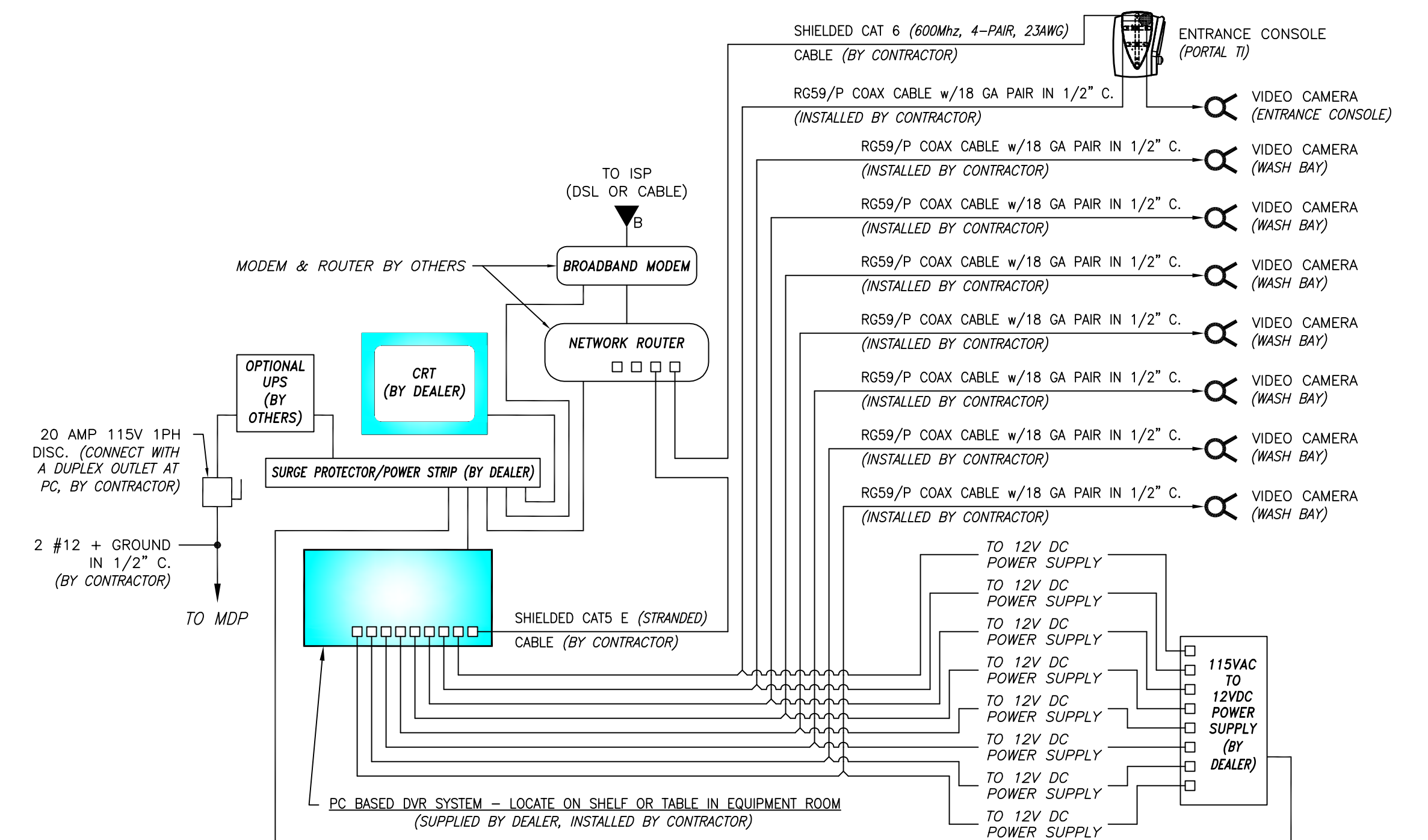
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REVISIONS				
DRAWN BY:	CMR	ENGINEER:		
CHECKED:				

DATE: 03-02-2009
SCALE: AS SHOWN

DRAWING NO. REV.
EV1-0144 0
SHEET 4 OF 12



NLCB-SX NEON LIGHT CONTROL PANEL - SHOWN FOR ROUGH-IN ONLY!
- OPTIONAL FUTURE ADDITION -



GENERAL NOTES:

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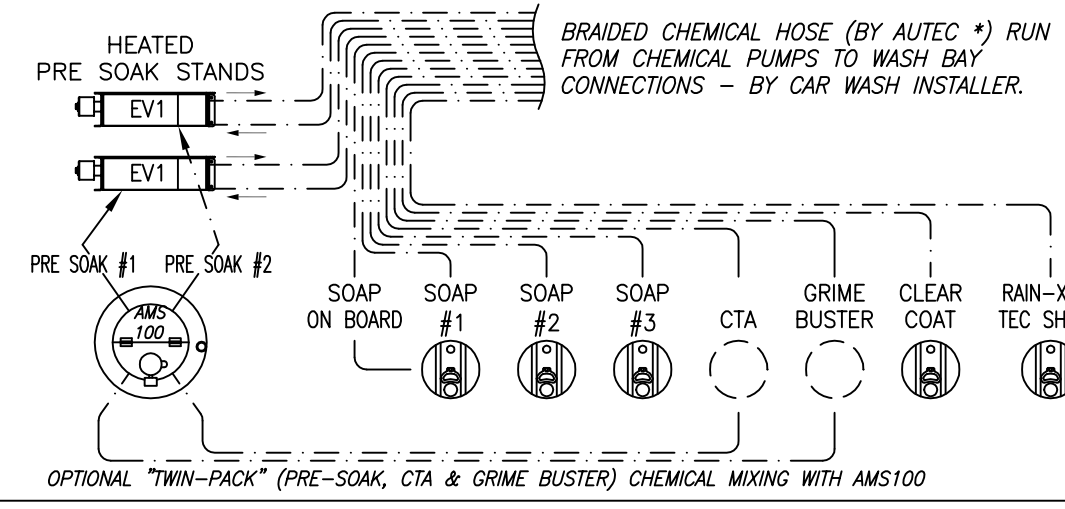
CIRCUIT DIAGRAMS

(CONTRACTOR TO SUPPLY ALL WIRING RUNS IN CONDUIT TO AND FROM CONTROL PANELS)

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PRESENTED BY:				AUTEC Car Wash Systems - Copyright 2009	
POWER AND EQUIPMENT				3	
NO.	DATE	DESCRIPTION	BY	CHKD.	
REVISIONS					
DRAWN BY: CMR		ENGINEER:		DATE: 03-02-2009	DRAWING NO. EV1-0144
CHECKED:				SCALE: AS SHOWN	REV. 0
				SHEET 5 OF 12	

*** NOTE:**
STANDARD LENGTHS OF SINGLE LINE #3/8" & #1/2" I.D. BRAIDED CHEMICAL HOSE SUPPLIED BY AUTECH FOR CHEMICAL DELIVERY FROM CHEMICAL PUMPS AT MIXING STATIONS TO WASH BAY CONNECTIONS ARE 50 FT.
CONTACT AUTECH TO ORDER ADDITIONAL HOSE IF REQUIRED.

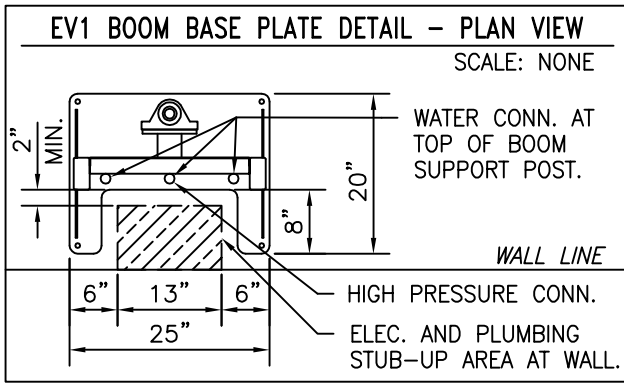
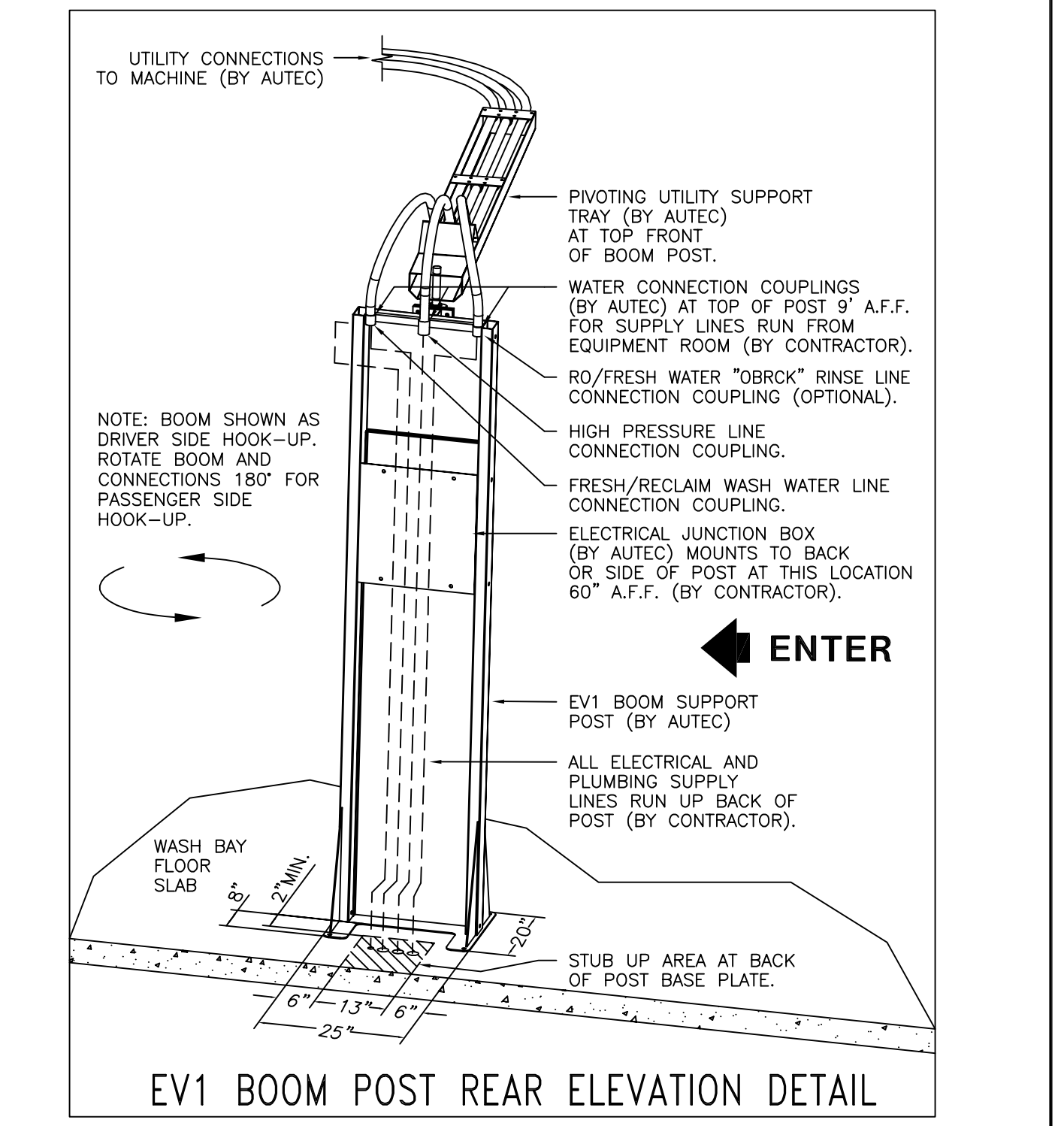
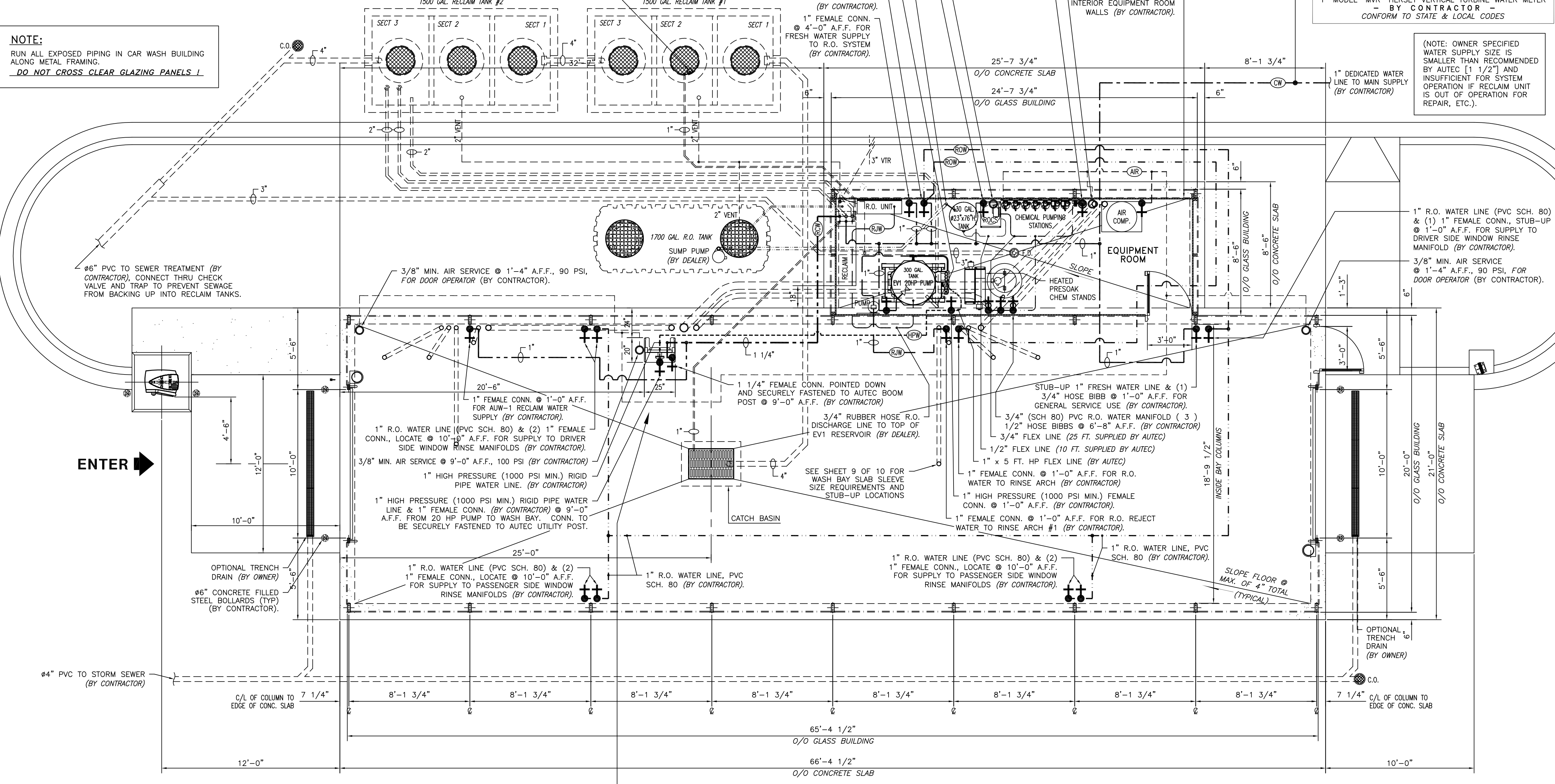
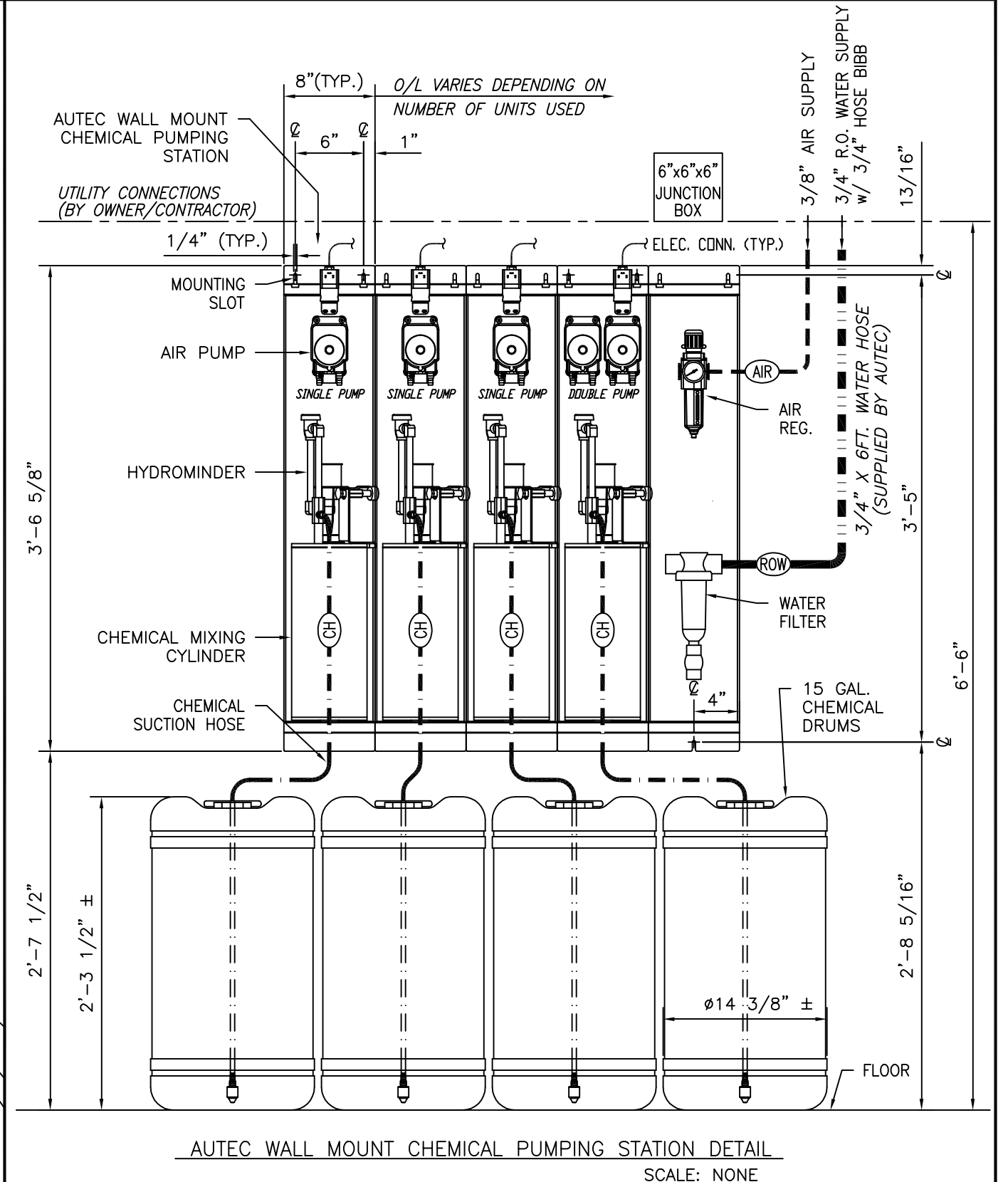
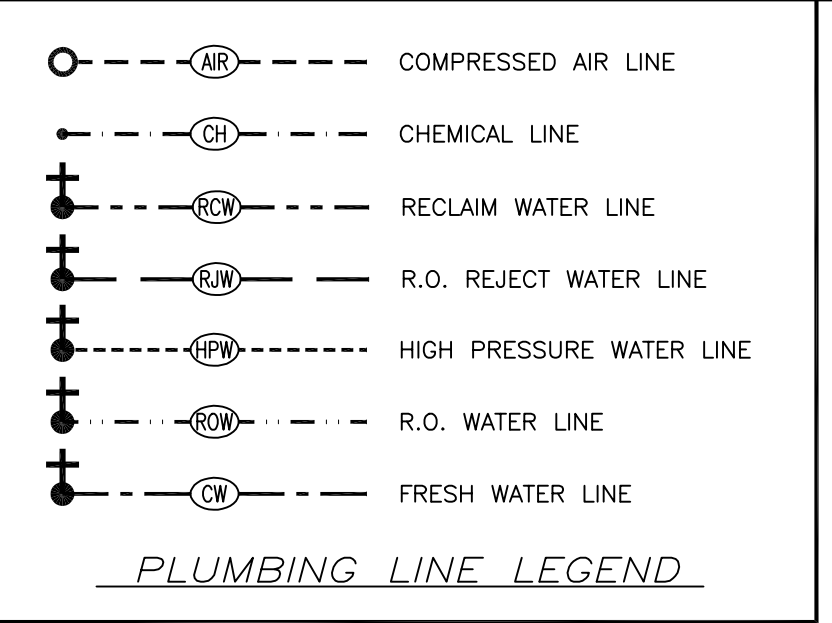
INBAY EXPRESS - EV1 SYSTEM CHEMICAL STATIONS
(DOUBLE PRE SOAK + ON BOARD SOAP + TRIPLE FOAM SOAP + CTA + GRIME BUSTER + CC + RX/TEC SHIELD)



NOTE:
RUN ALL EXPOSED PIPING IN CAR WASH BUILDING ALONG METAL FRAMING.
DO NOT CROSS CLEAR GLAZING PANELS.

NOTE:
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SEE SHEET 7 OF 12 (PLUMBING 2) FOR R.O. REJECT WATER TANK DETAILS.



PLUMBING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

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- ALL MOUNTING HEIGHT DIMENSIONS STATED ON DRAWINGS ARE TO THE BOTTOM OF ITEM. (A.F.F.) = ABOVE FINISHED FLOOR.
- ALL UNDERGROUND PIPING USED ON RECLAIM SYSTEM TO BE PVC (SCH. 80).
- ALL COMPRESSED AIR PIPING TO BE TYPE "L" COPPER OR "BLACK" IRON (SCH. 40).
- DOOR HEIGHT OPENING MUST BE 10'-0" MIN.
- INSIDE HEIGHT CLEARANCE FOR CAR WASH EQUIPMENT MUST BE 10'-11" MIN.
- GLASS CAR WASH BUILDING BY AUTECH - FOUNDATION / SLAB BY OTHERS.

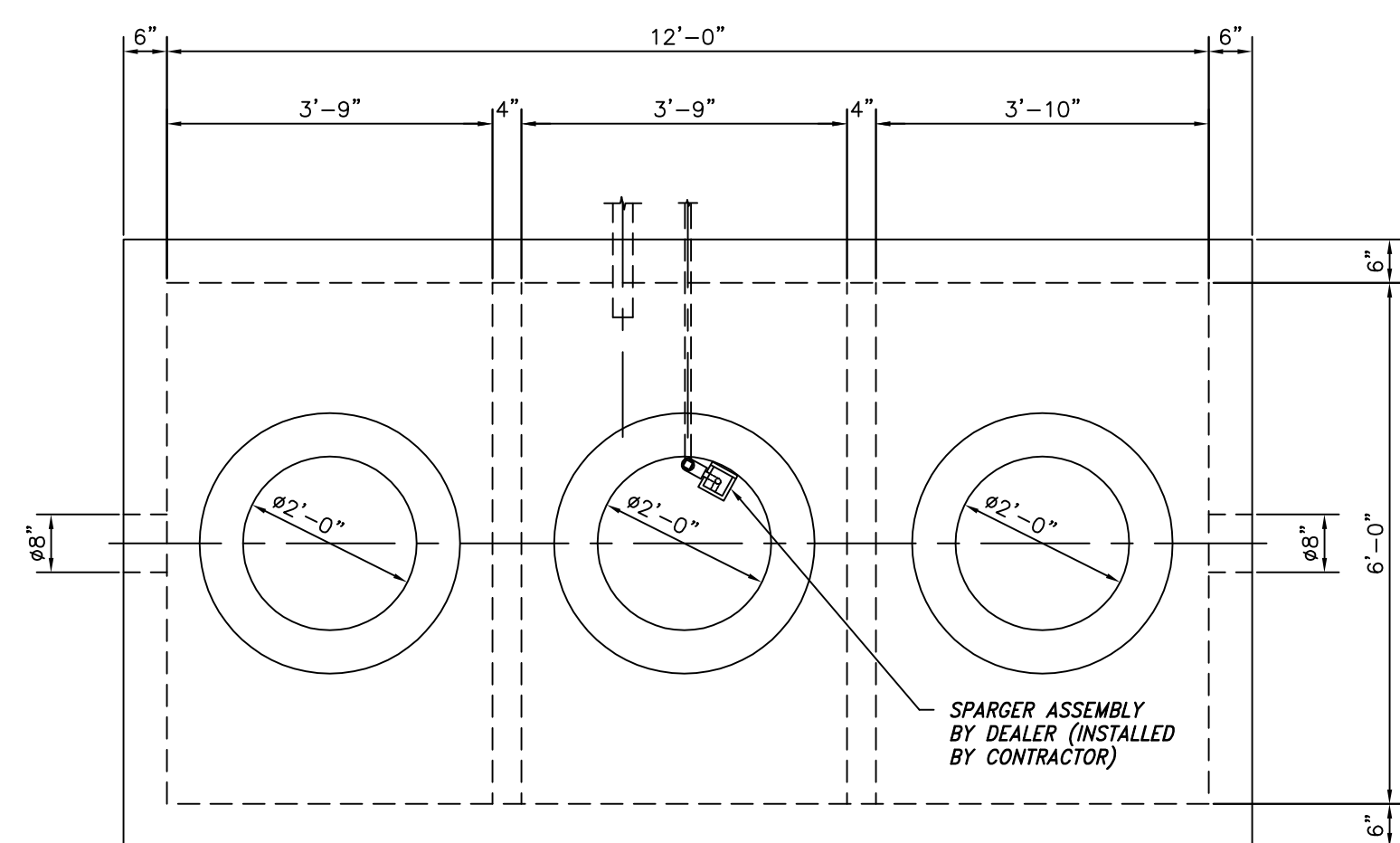
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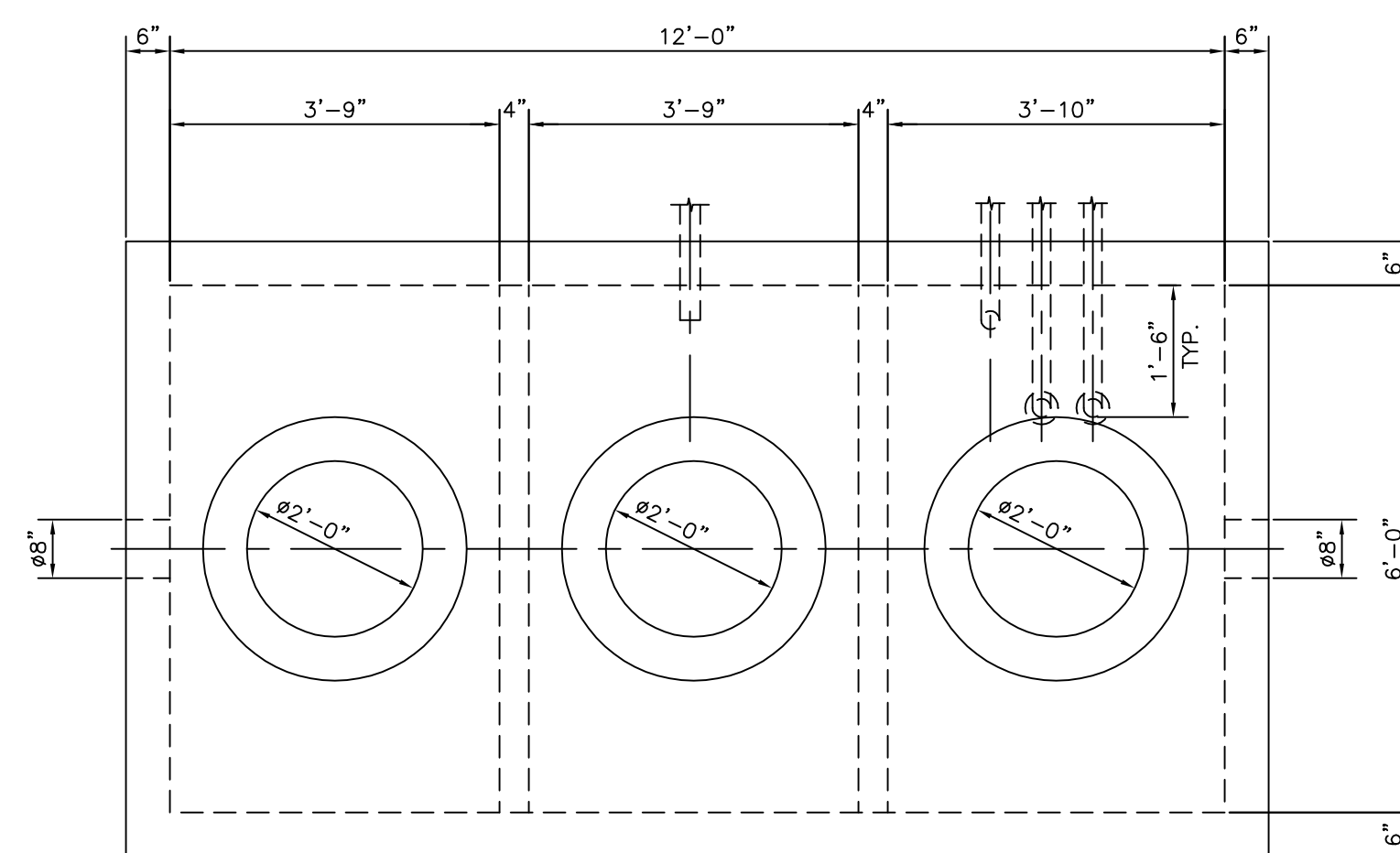
SEE SHEET 7 OF 12 (PLUMBING 2) FOR RECLAIM SYSTEM AND RECLAIM TANK DETAILS.

SEE SHEET 8 OF 12 (PLUMBING 3) FOR EV1 AND R.O. SYSTEM DETAILS.

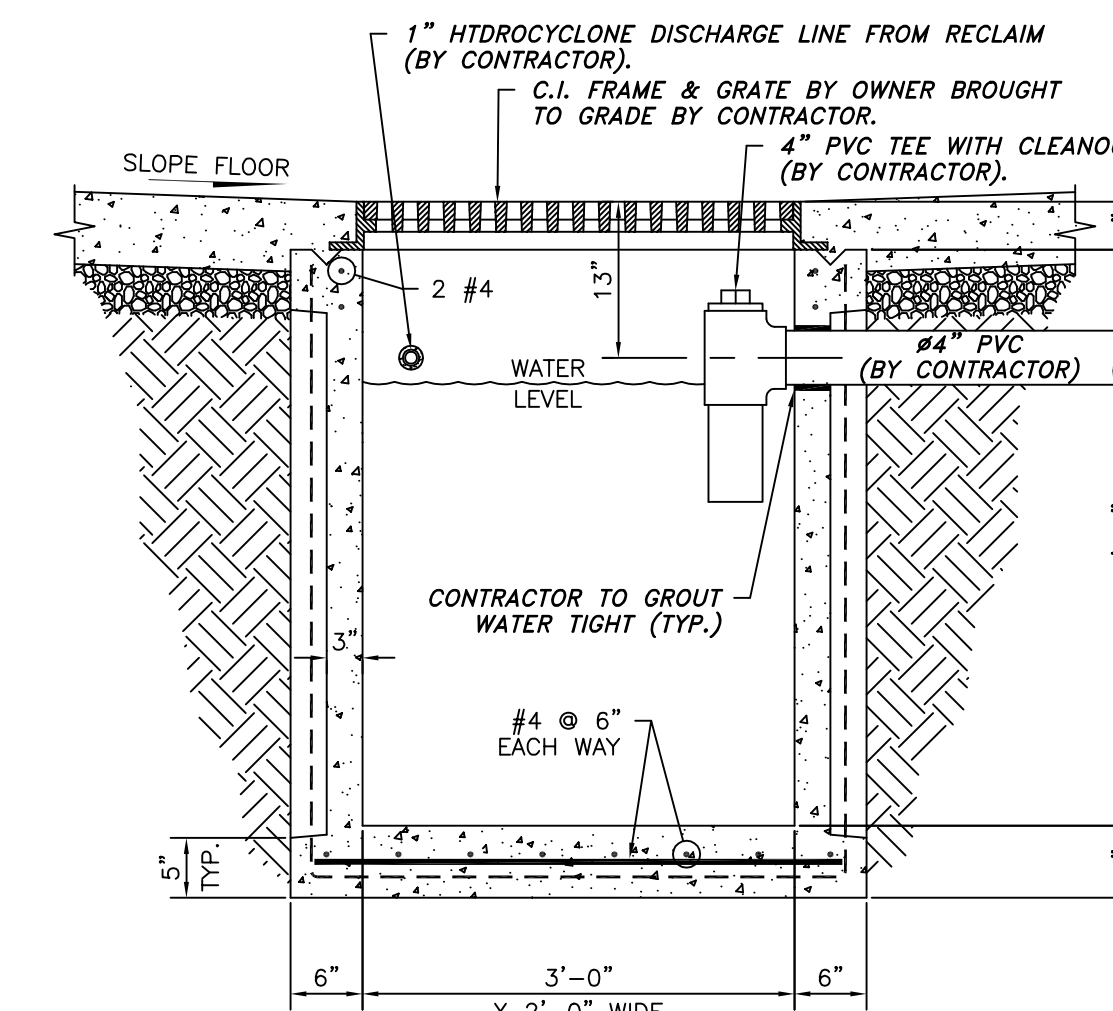
A PROPOSED PLAN OF: STAPLETON EASTRIDGE CAR WASH, LLC DENVER, COLORADO			
PRESENTED BY: AUTECH Car Wash Systems - Copyright 2009			
PLUMBING			
1			
NO.	DATE	DESCRIPTION	BY
REVISIONS			
DRAWN BY:	CMR	ENGINEER:	
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DRAWING NO.	EV1-0144	REV.	0
		SHEET 6 OF 12	



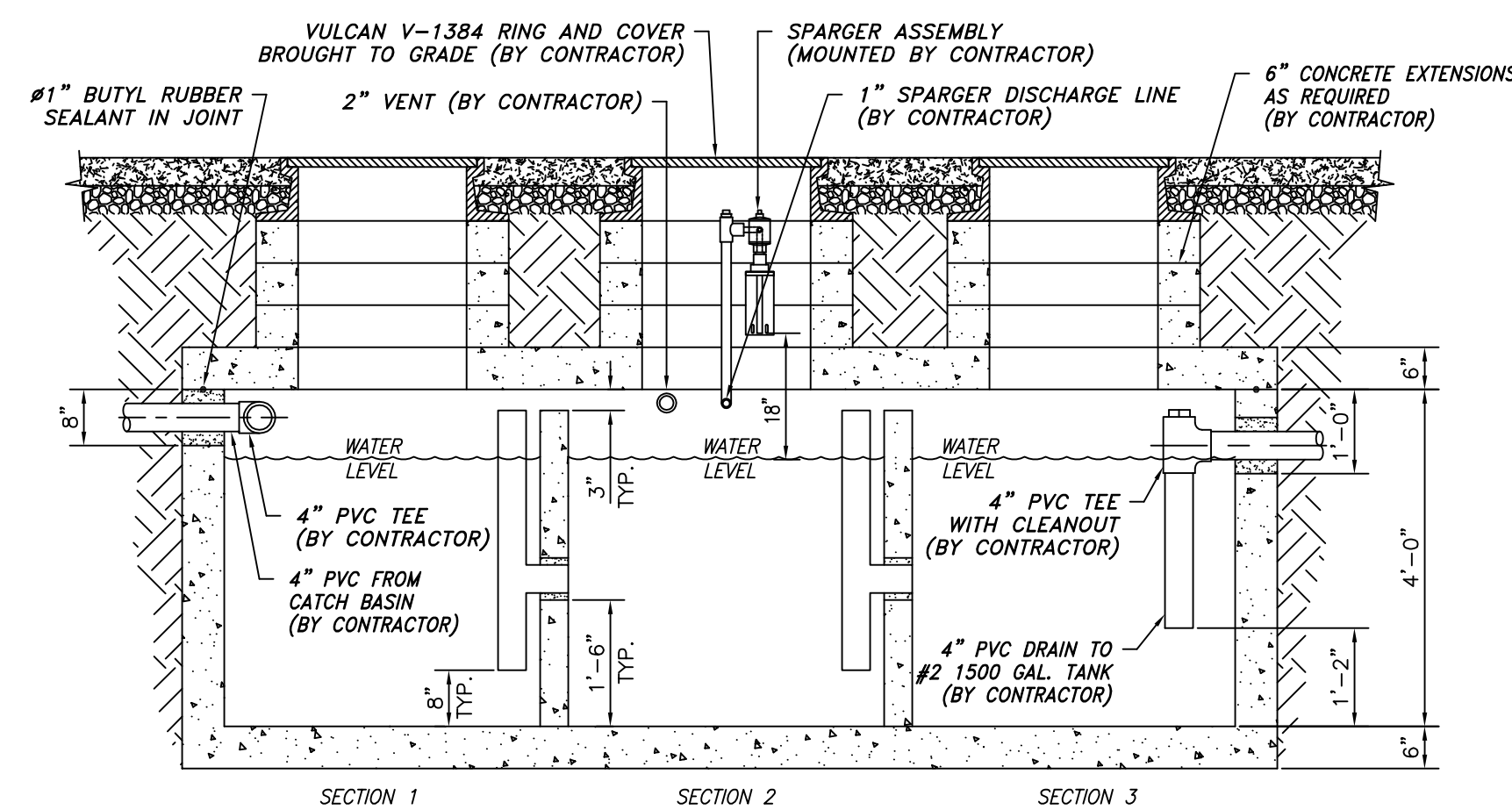
CONCRETE: 4000 PSI at 28 DAYS
REINFORCING: H-20 BRIDGE LOADING



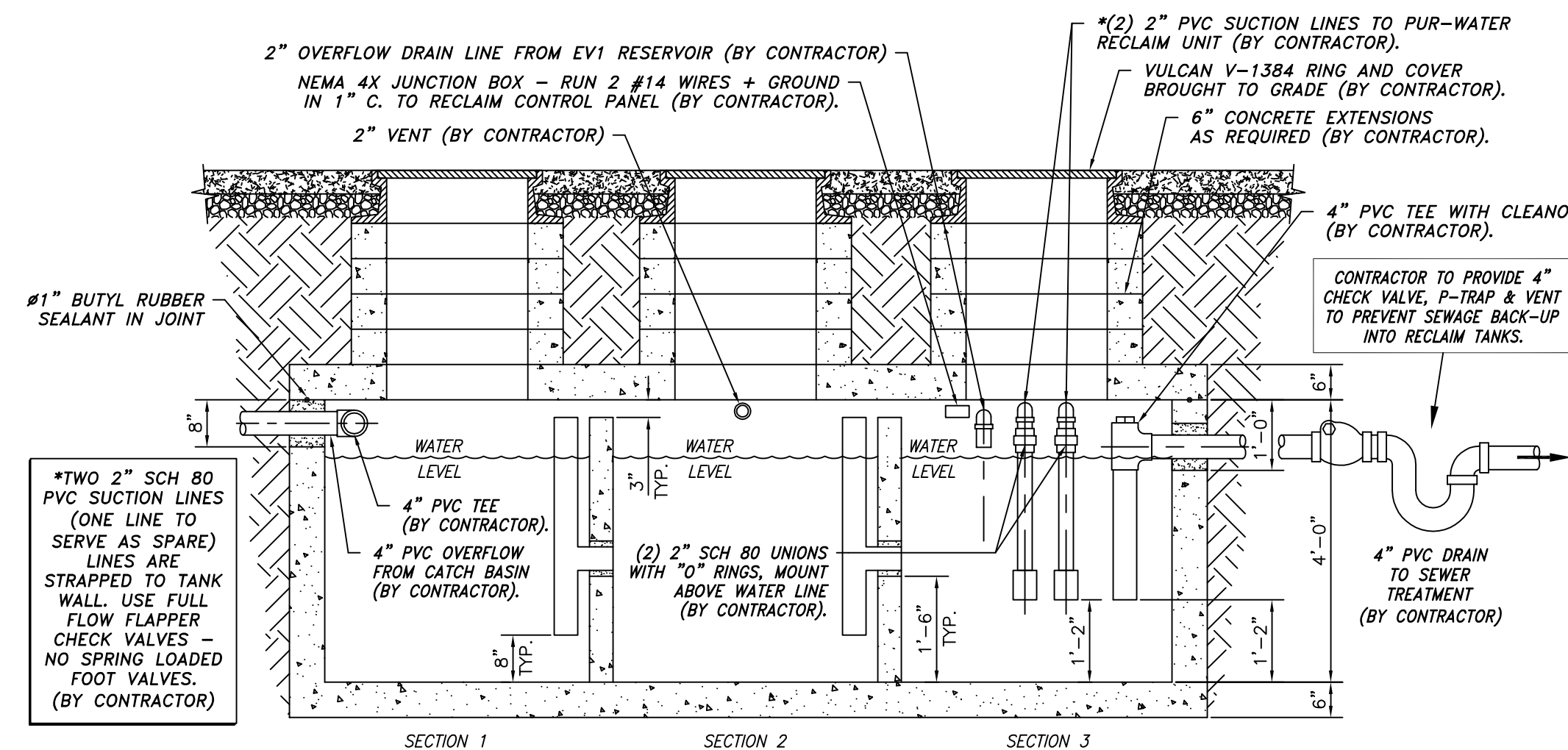
CONCRETE: 4000 PSI at 28 DAYS
REINFORCING: H-20 BRIDGE LOADING



CATCH BASIN DETAIL
SCALE: 3/4" = 1'-0"

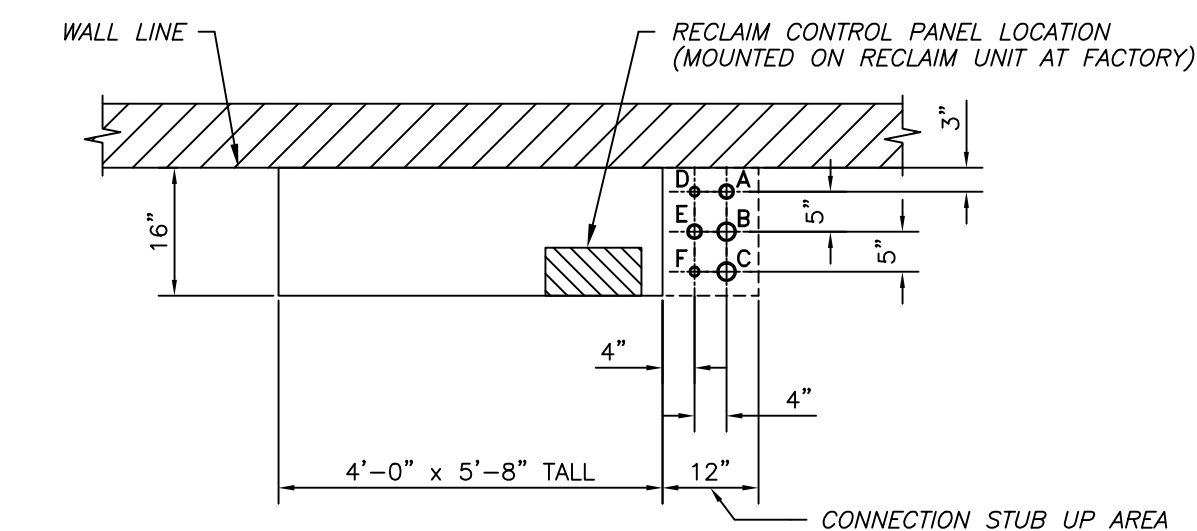


1500 GAL. RECLAIM TANK #1 - OIL/GREASE SEPARATOR DETAIL
SCALE: 1/2" = 1'-0"



1500 GAL. RECLAIM TANK - OIL/GREASE SEPARATOR DETAIL
SCALE: 1/2" = 1'-0"

- A - 1 1/2" REDUCED TO 1 1/4" FILTERED WATER OUTLET LINE TO CAR WASH SUPPLY (BY CONTRACTOR)
- B - 2" HYDROCYCLONE PUMP SUCTION LINE (BY CONTRACTOR) FROM No. 2, 1500 GAL. UNDERGROUND TANK
- C - 2" HYDROCYCLONE PUMP SUCTION LINE ("SPARE" / BY CONTRACTOR) FROM No. 2, 1500 GAL. UNDERGROUND TANK
- D - 1" HYDROCYCLONE DISCHARGE LINE (BY CONTRACTOR) - TO WASH BAY CATCH BASIN
- E - 1" DOMESTIC WATER LINE FROM CAR WASH FRESH WATER SUPPLY TO PRIME SYSTEM - BYPASS NOT AVAILABLE (BY CONTRACTOR)
- F - 1" SPARGER DISCHARGE LINE (BY CONTRACTOR) - TO No. 1, 1500 GAL. UNDERGROUND TANK



NOTES:

- 1) CONTRACTOR TO STUB UP LINES *A; B; C; D; *E; & F - 10" TO 12" (A.F.F.) ABOVE FINISHED FLOOR (*SEE NOTE 3)
- 2) ALL UNDERGROUND PIPING USED ON RECLAIM SYSTEM TO BE PVC, SCH. 80
- 3) *DISCHARGE LINE "A" AND INPUT LINE "E" AT RECLAIM, CAN BE RUN ABOVE THE FLOOR SLAB DEPENDING ON EQUIPMENT ROOM AND FRESH WATER SUPPLY LOCATIONS

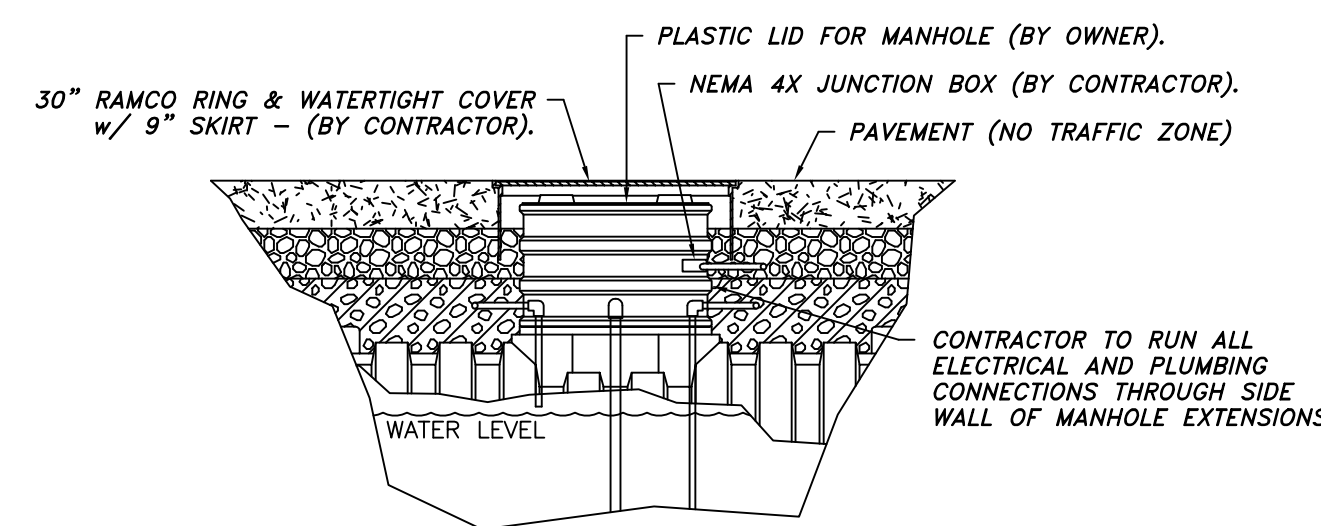
PW-200 RECLAIM SYSTEM
PLUMBING ROUGH IN PLAN VIEW
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

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7. GLASS CAR WASH BUILDING BY AUTEC - FOUNDATION / SLAB BY OTHERS.

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- NOTE -
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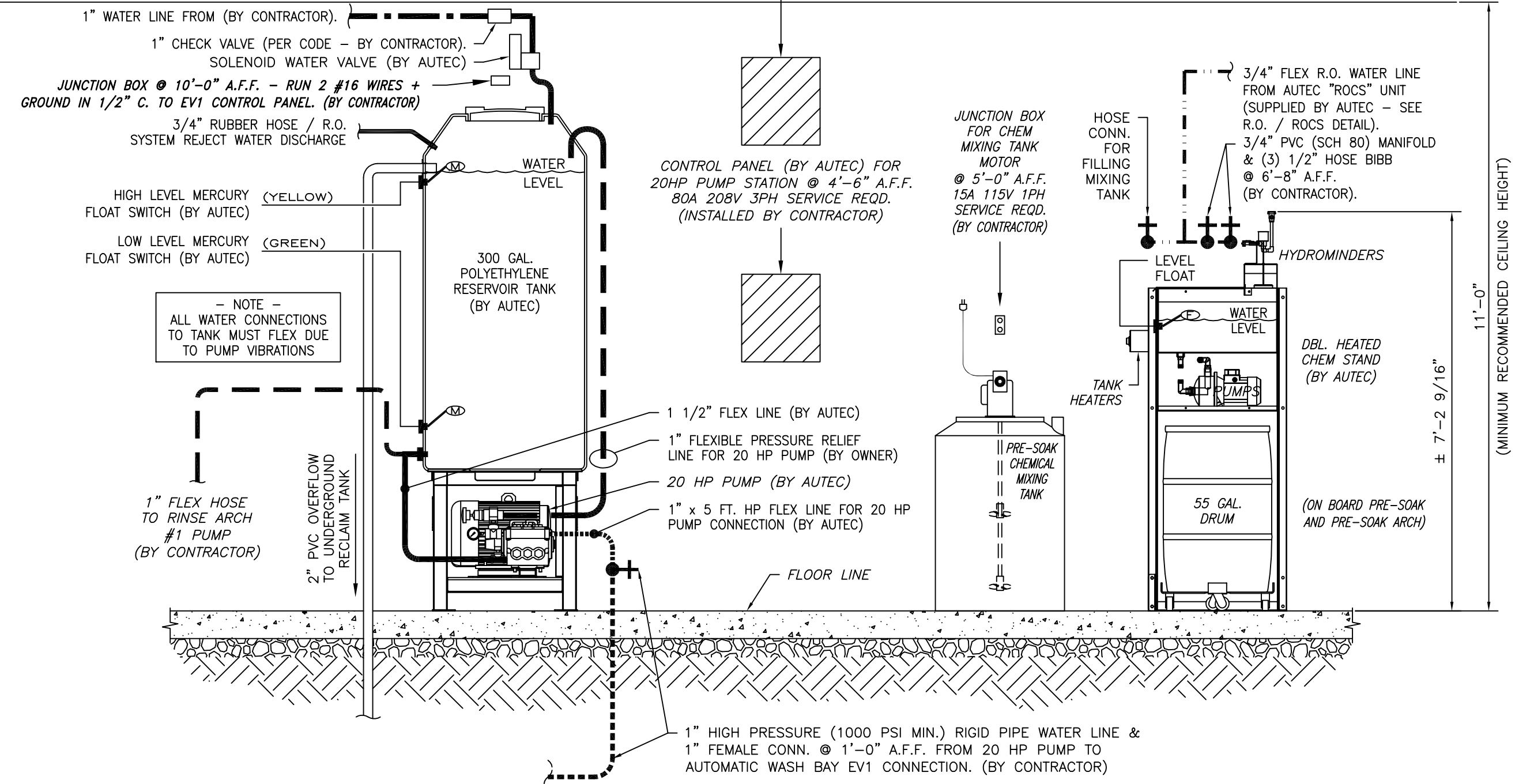


POLYETHYLENE R.O. TANK LID DETAIL
SCALE: NONE

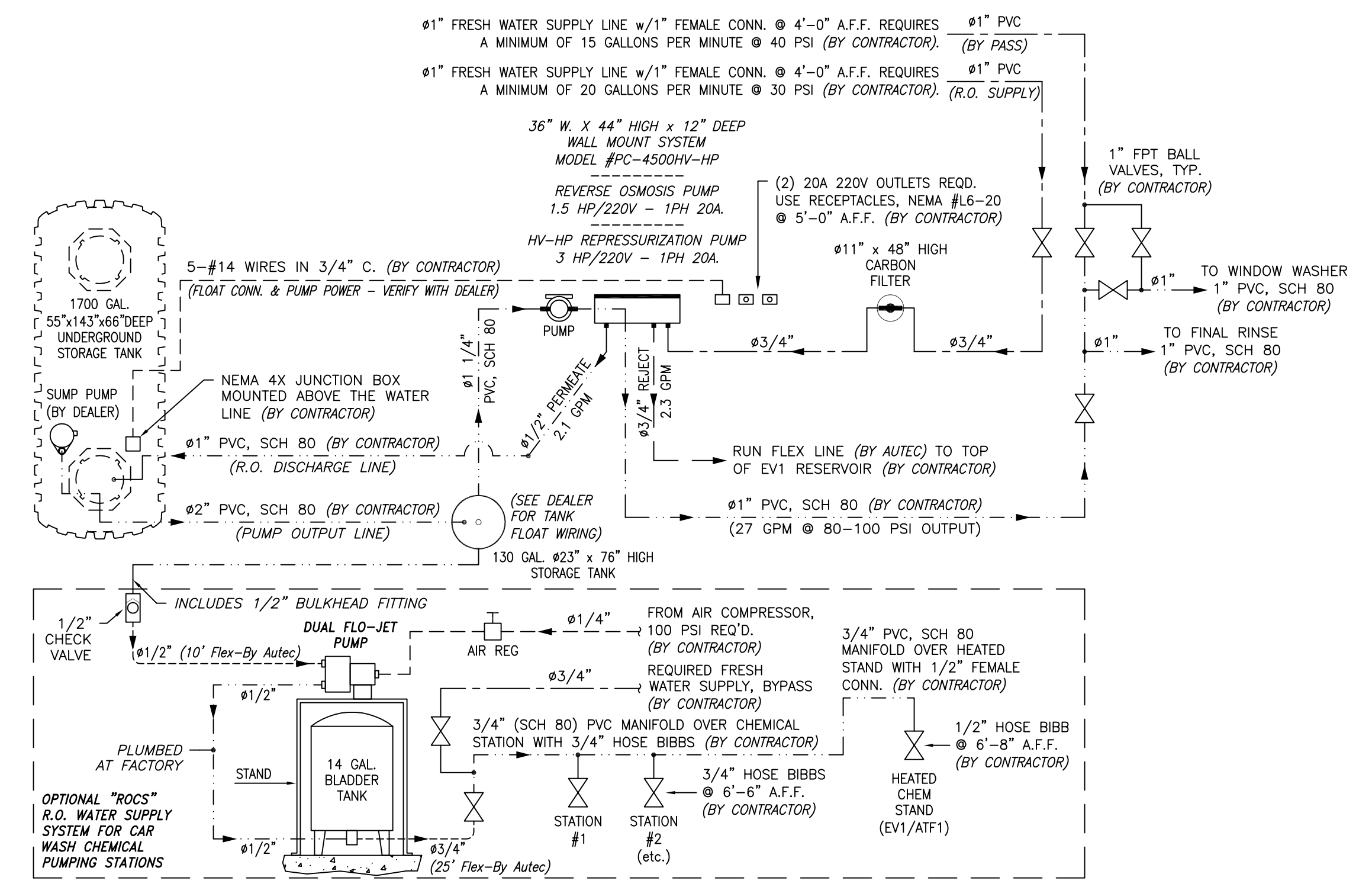
A PROPOSED PLAN OF: STAPLETON EASTRIDGE CAR WASH, LLC DENVER, COLORADO			
PRESENTED BY: AUTEC Car Wash Systems - Copyright 2009			
PLUMBING			
2			
NO.	DATE	DESCRIPTION	BY
REVISIONS			
DRAWN BY:	CMR	ENGINEER:	
CHECKED:			
DATE: 03-02-2009		DRAWING NO. EV1-0144	
SCALE: AS SHOWN		REV. 0	
		SHEET 7 OF 12	

NOTE:
CONTRACTOR TO SUPPLY ALL ELECTRICAL & PLUMBING LINES AND CONNECTIONS TO AND FROM AUTEC SUPPLIED EQUIPMENT.

CONTROL PANEL (BY AUTEC) FOR
(2) CHEM STAND PUMPS &
HEATERS @ 9'-0" A.F.F.
100A 208V 3PH SERVICE REQ'D.
(INSTALLED BY CONTRACTOR)



TYPICAL EV-1 REPRESSURIZATION SYSTEM DETAIL
SCALE: NONE



PC-4500HV-HP SPOT FREE RINSE SYSTEM DETAIL
SCALE: NONE

GENERAL NOTES:

1. ALL ELECTRICAL, PLUMBING & COMPRESSED AIR LINES AND CONNECTIONS ARE THE RESPONSIBILITY OF THE OWNER/GENERAL CONTRACTOR AND ARE TO BE MADE BY QUALIFIED LICENSED PERSONNEL TO MEET STATE AND LOCAL CODES. NEITHER AUTEC OR THEIR REPRESENTATIVES SUPPLY OR INSTALL THESE ITEMS.
2. ALL MOUNTING HEIGHT DIMENSIONS STATED ON DRAWINGS ARE TO THE BOTTOM OF ITEM. (A.F.F.) = ABOVE FINISHED FLOOR.
3. ALL UNDERGROUND PIPING USED ON RECLAIM SYSTEM TO BE PVC (SCH. 80).
4. ALL COMPRESSED AIR PIPING TO BE TYPE "L" COPPER OR "BLACK" IRON (SCH. 40).
5. DOOR HEIGHT OPENING MUST BE 10'-0" MIN.
6. INSIDE HEIGHT CLEARANCE FOR CAR WASH EQUIPMENT MUST BE 10'-11" MIN.
7. GLASS CAR WASH BUILDING BY AUTEC - FOUNDATION / SLAB BY OTHERS.

NOTE:
ALL REQUIRED ELECTRICAL AND PLUMBING ITEMS ARE TO CONFORM TO STATE AND LOCAL CODES.

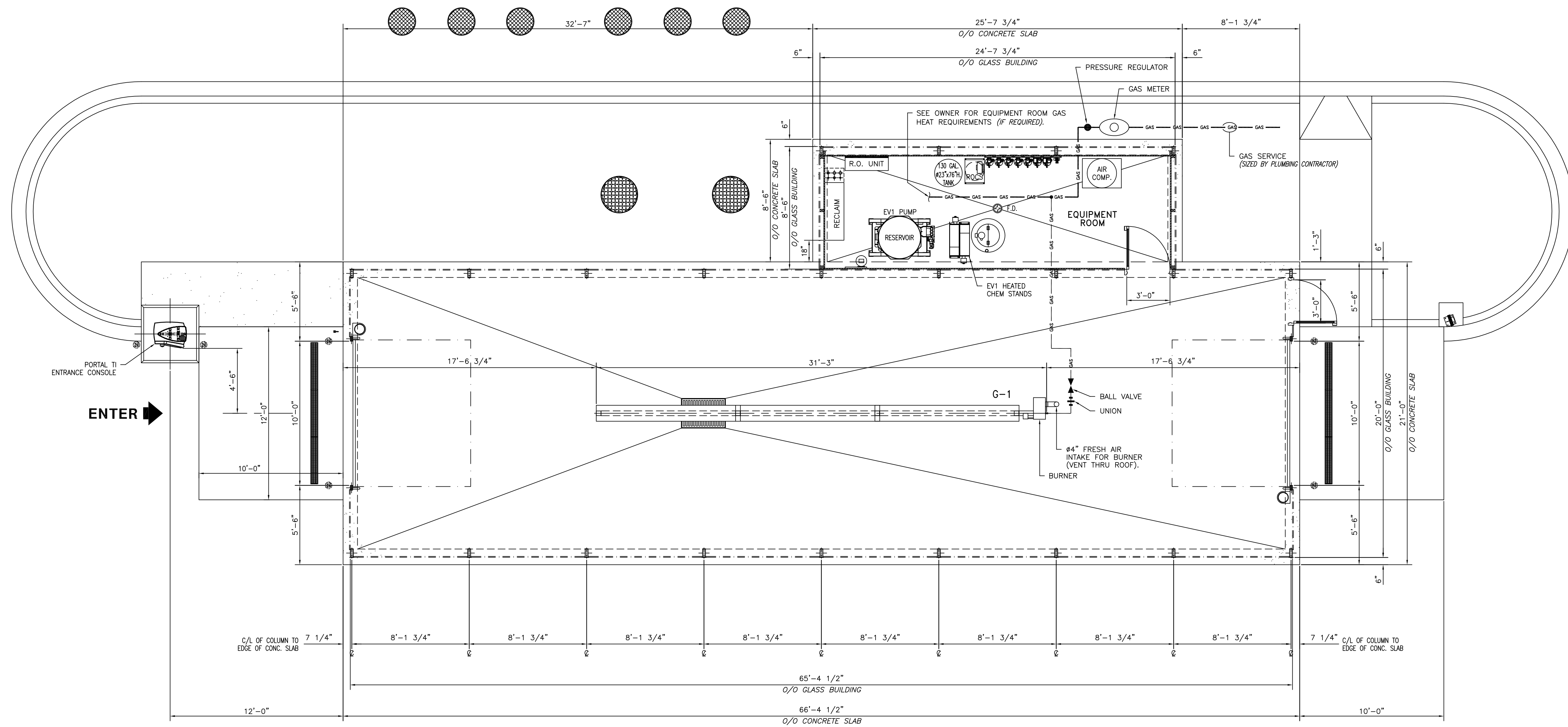
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PLUMBING			
3			
NO.	DATE	DESCRIPTION	BY
REVISIONS			
DRAWN BY:	CMR	ENGINEER:	
CHECKED:			
DATE:	03-02-2009	DRAWING NO.:	EV1-0144
SCALE:	AS SHOWN		REV. 0
			SHEET 8 OF 12

NATURAL GAS APPLIANCE SCHEDULE				
MARK	FIXTURE	MANUF.	GAS SUPPLY	VENT STACK SIZE
G-1	BAY HEATER	RE-VERBER-RAY	100,000 BTUH INPUT	1/2" 4" ROUND

MECHANICAL NOTES:

1. GAS PIPING TO BE "BLACK" IRON. PROVIDE HANGERS FOR GAS PIPING @ 48" O.C. MAX.
2. PROVIDE CONDENSATE DROP @ LOW POINT IN GAS LINE.
3. COMBUSTION AIR FOR GAS APPLIANCE (BAY HEATER) TO BE PROVIDED WITH ONE #4" AIR INLET THROUGH ROOF, LOCATED ABOVE BURNER IN CARWASH BAY.
4. MINIMUM DISTANCE BETWEEN AIR INTAKE AND GAS VENTS IS 10'.
5. MINIMUM HEIGHT OF VENT CAP FOR GAS APPLIANCE TO BE 36" ABOVE ROOF.
6. VENT STACKS TO BE TYPE "B" METAL.



GENERAL NOTES:

1. ALL ELECTRICAL, PLUMBING & COMPRESSED AIR LINES AND CONNECTIONS ARE THE RESPONSIBILITY OF THE OWNER/GENERAL CONTRACTOR AND ARE TO BE MADE BY QUALIFIED LICENSED PERSONNEL TO MEET STATE AND LOCAL CODES. NEITHER AUTEC OR THEIR REPRESENTATIVES SUPPLY OR INSTALL THESE ITEMS.
2. ALL MOUNTING HEIGHT DIMENSIONS STATED ON DRAWINGS ARE TO THE BOTTOM OF ITEM. (A.F.F.) = ABOVE FINISHED FLOOR.
3. ALL GAS PIPING TO BE "BLACK" IRON (SCH. 40).
4. DOOR HEIGHT OPENING MUST BE 10'-0" MIN.
5. INSIDE HEIGHT CLEARANCE FOR CAR WASH EQUIPMENT MUST BE 10'-11" MIN.
6. GLASS CAR WASH BUILDING BY AUTEC - FOUNDATION / SLAB BY OTHERS.

NOTE:
ALL REQUIRED ELECTRICAL AND PLUMBING ITEMS ARE TO CONFORM TO STATE AND LOCAL CODES.

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MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

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				MECHANICAL	
NO.	DATE	DESCRIPTION	BY	CHKD.	
REVISIONS					
DRAWN BY: CMR		ENGINEER:		DATE: 03-02-2009	DRAWING NO. EV1-0144
CHECKED:				SCALE: AS SHOWN	REV. 0
				SHEET 9 OF 12	