

## EQUIPMENT INSTALLATION NOTES

1. UNDER CONTRACT THE CARWASH INSTALLER IS DEFINED AS AN EXTENSION OF BELANGER INC AND AS SUCH WILL ACT ON THEIR BEHALF DURING SITE VISITS, PRE-CONSTRUCTION MEETINGS, CONSTRUCTION MEETINGS AND INSTALLATION OF THE EQUIPMENT.
2. ALL MATERIALS AND TOOLS USED IN THE INSTALLATION OF THE CARWASH AND ITS SUPPORT EQUIPMENT PER THE EQUIPMENT SCHEDULES IS TO BE PROVIDED BY THE CARWASH INSTALLER IN ACCORDANCE WITH LOCAL CODES AND OR CUSTOMERS ENGINEERING SPECIFICATION WHICH EVER ONE IS GREATER AND PROVIDES A HIGHER LEVEL OF ACCEPTABILITY.
3. THE CARWASH INSTALLER IS RESPONSIBLE FOR THE SURVEYING AND IDENTIFYING ALL EXISTING CONDITIONS FOR THE INTENDED INSTALLATION BEFORE BIDDING THE WORK AND BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES FOUND UPON DISCOVERY ARE TO BE COMMUNICATED TO BELANGER INC OR THE CONTRACTING PARTY BEFORE ANY WORK BEGINS.
4. WHILE THE SIZE AND LOCATION OF NEW WORK AND EQUIPMENT IN THE BUILDING HAS BEEN INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, THE CONTRACTOR SHALL ADJUST HIS WORK AS REQUIRED TO AVOID BEAMS, JOISTS, AND OTHER OBSTRUCTIONS NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL ADAPT HIS WORK TO MEET ALL ACTUAL CONDITIONS.
5. DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS ARE NOT INTENDED. THE CARWASH INSTALLER IS TO CLARIFY ANY SUCH DISCREPANCIES DUE TO DESIGN OR CODE WITH BELANGER INC. AND OR THE OWNER PRIOR TO COMMENCING WORK. CHANGES TO CONTRACT DOCUMENTS EFFECTING THE COSTS ASSOCIATED TO THE INSTALLATION WILL ONLY BE BINDING AND PAYABLE IF PREVIOUSLY APPROVED FOR, AND ACKNOWLEDGED WITH A SIGNED LETTER OF DEVIATION FROM BELANGER INC, OR THE OWNER.
6. IT SHALL BE THE RESPONSIBILITY OF THE CARWASH INSTALLER TO LOCATE ALL EXISTING STRUCTURAL OBSTACLES WHEATHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CARWASH INSTALLER SHALL BEAR THE EXPENSE OF REPAIR OR REPLACEMENT OF PROPERTY DAMAGES BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK BEING PROVIDED.
7. THE CARWASH INSTALLER IS TO PROVIDE THE NECESSARY PARTS TO MAKE THE FINAL PLUMBING CONNECTIONS BETWEEN THE PLUMBER SUPPLY LINES AND THE SUPPORT EQUIPMENT SUPPLIED IN CONJUNCTION WITH THIS PROJECT. AND FROM THE SUPPORT EQUIPMENT TO THE WASH EQUIPMENT MOUNTED IN THE WASH BAY. UNLESS OTHERWISE SPECIFIED BY CODE OR CUSTOMERS ENGINEER THE TYPICAL MEANS OF CONNECTION IS THROUGH THE USE OF PRESSURE RATED AND FLOW SIZED, RUBBER HOSE OR POLYETHYLENE TUBING. ANY DISCREPANCIES FOUND BETWEEN CODE AND DRAWING ARE TO BE COMMUNICATED TO BELANGER INC. BEFORE ANY WORK BEGINS. CHANGES TO CONTRACT DOCUMENTS EFFECTING THE COSTS ASSOCIATED TO THE INSTALLATION WILL ONLY BE BINDING AND PAYABLE IF PREVIOUSLY APPROVED FOR, AND ACKNOWLEDGED WITH A SIGNED LETTER OF DEVIATION FROM BELANGER INC OR THE OWNER.

## ELECTRICAL NOTES

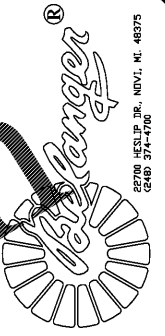
1. ALL ELECTRICAL MATERIALS USED IN THE INSTALLATION OF THE CARWASH AND ITS SUPPORT EQUIPMENT PER THE EQUIPMENT SCHEDULE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH LOCAL CODES OR CUSTOMERS ENGINEERING SPECIFICATION WHICH EVER ONE IS GREATER PROVIDES A HIGHER LEVEL OF ACCEPTABILITY.
2. ELECTRICAL CONTRACTOR FOR THE SURVEYING AND IDENTIFYING ALL EXISTING CONDITIONS FOR THE INTENDED INSTALLATION BEFORE BIDDING THE WORK AND BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES FOUND UPON DISCOVERY ARE TO BE COMMUNICATED TO BELANGER INC OR THE CONTRACTING PARTY BEFORE ANY WORK BEGINS.
3. ALL EXPOSED CONDUITS AND FITTINGS IN THE EQUIPMENT ROOM AND WASH BAY SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE SPECIFIED BY OWNERS ENGINEER OR LOCAL ELECTRICAL CODE. ALL ENCLOSURES TO BE NON-METALIC WITH A MINIMUM NEMA RATING OF 4X UNLESS OTHERWISE SPECIFIED BY OWNERS ENGINEER OR LOCAL ELECTRICAL CODE. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY OWNERS MATERIAL REQUIREMENT AS WELL AS FOLLOW ANY AND ALL LOCAL CODES WHEN PROVIDING THE BID FOR THE PROJECT.
4. ALL CONDUITS AND FITTINGS BELOW THE FLOOR OR IN POURED CONCRETE WALL SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE SPECIFIED BY OWNERS ENGINEER OR LOCAL ELECTRICAL CODE. CONDUITS BELOW FLOOR SHALL BE RUN AT LEAST 4" BELOW CONCRETE SLAB IN GRAVEL FILL. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY OWNERS MATERIAL REQUIREMENT AS WELL AS CONFORMS TO ANY AND ALL LOCAL CODES WHEN PROVIDING THE BID FOR THE PROJECT.
5. PANEL/JUNCTION BOX PENETRATIONS IN WET ENVIRONMENT TO BE ONLY FROM THE BOTTOM. SEAL CONDUIT PENETRATIONS WITH APPROPRIATE BOX CONNECTOR OR SEALING RING TO MAINTAIN NEMA-4X RATING.
6. EACH CONDUIT WITH CURRENT CARRYING CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC250.
7. SEAL ALL WALL PENETRATIONS CREATED FOR CONDUIT RUNS BETWEEN WASH BAY AND ANY ADJOINING ROOM.
8. CURRENT CARRYING CONDUCTORS TO BE SIZED IN ACCORDANCE WITH THE APPLICATION, VOLTAGE, AND CONNECTED LOAD PER THE NATIONAL ELECTRICAL CODE. COLOR CODE FOR CONDUCTORS SHALL BE AS FOLLOWS:  
 120VAC - RED  
 208V/230V SINGLE PHASE - BLACK  
 A PHASE - BLACK  
 B PHASE - RED  
 C PHASE - BLUE  
 NEUTRAL -WHITE  
 GROUND - GREEN
9. LOW VOLTAGE CONDUCTORS BE SIZED IN ACCORDANCE WITH THE APPLICATION, VOLTAGE, AND CURRENT PER THE NATIONAL ELECTRICAL CODE WITH A MINIMUM WIRE GAUGE OF 14 AWG.
10. COMMUNICATION WIRE/CABLE TO BE PER THE ATTACHED DRAWING AND OR MANUFACTURE SUPPLIED MANUAL.
11. POWER CABLES, WHEN ALLOWED BY CODE AND CUSTOMER, TO BE USED IN CONJUNCTION WITH A CABLE TRAY SHALL BE APPROPRIATE FOR THE APPLICATION, AND VOLTAGE, WITH A JACKET SUITABLE FOR USE IN A WET ENVIRONMENT THAT MAY ALSO HAVE CHEMICALS AND OILS TYPICAL OF A CARWASH ENVIRONMENT. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CONFIRM USE OF SUCH IN THIS APPLICATION PER LOCAL ELECTRICAL CODES. IT IS ALSO THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO SUBMIT ALTERNATIVE METHOD TO BELANGER INC AND OR OWNER SHOULD ONE BE REQUIRED PER CODE OR OWNERS ENGINEER.
12. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL SWITCHABLE DISCONNECTS FOR MOTOR LOADS EVEN THOUGH THEY ARE NOT CALLED OUT IN THE DRAWINGS BUT ARE REQUIRED BY CODE.
13. DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS ARE NOT INTENDED. THE ELECTRICAL CONTRACTOR IS TO CLARIFY ANY SUCH DISCREPANCIES DUE TO DESIGN OR CODE WITH BELANGER INC. AND OR OWNER PRIOR TO COMMENCING WORK. CHANGES TO CONTRACT DOCUMENTS AND THE COSTS ASSOCIATED WILL ONLY BE BINDING AND PAYABLE IF PREVIOUSLY APPROVED FOR, AND ACKNOWLEDGED WITH A SIGNED LETTER OF DEVIATION BY BELANGER INC OR THE OWNER.
14. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHEATHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ELECTRICAL CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGES BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK AFTER SO LOCATED.
15. CONDUITS SHALL BE RAN IN STRAIGHT LINES, PARALLEL AND/OR PERPENDICULAR TO THE BUILDING CONSTRUCTION. PIPING TO BE RAN AS HIGH AS POSSIBLE TO PRESERVE MINIMUM CLEARANCES AS THAT SHOULD CROSS OPEN AREAS.

## PLUMBING NOTES

1. ALL PLUMBING MATERIALS USED IN THE INSTALLATION OF THE CARWASH AND ITS SUPPORT EQUIPMENT PER THE EQUIPMENT AND PLUMBING SCHEDULES TO BE PROVIDED BY THE PLUMBING CONTRACTOR IN ACCORDANCE WITH LOCAL CODES AND OR CUSTOMERS ENGINEERING SPECIFICATION WHICH EVER ONE IS GREATER AND PROVIDES A HIGHER LEVEL OF ACCEPTABILITY.
2. PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE SURVEYING AND IDENTIFYING ALL EXISTING CONDITIONS FOR THE INTENDED INSTALLATION BEFORE BIDDING THE WORK AND BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES FOUND UPON DISCOVERY ARE TO BE COMMUNICATED TO BELANGER INC OR THE CONTRACTING PARTY BEFORE ANY WORK BEGINS.
3. WHILE THE SIZE AND LOCATION OF NEW WORK AND EQUIPMENT IN THE BUILDING HAS BEEN INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, THE CONTRACTOR SHALL ADJUST HIS WORK AS REQUIRED TO AVOID BEAMS, JOISTS, AND OTHER OBSTRUCTIONS NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL ADAPT HIS WORK TO MEET ALL ACTUAL CONDITIONS.
4. UNLESS OTHERWISE SPECIFIED ALL WATER PIPING FOR FRESH WATER DELIVERY TO WASH SUPPORT EQUIPMENT TO BE COPPER TYPE K WITH BRAZED OR SOLDERED JOINTS COMPLYING WITH ASTM B75, B88, B251, OR B447. ALL DROPS TO EQUIPMENT TO BE TERMINATED WITH AN EQUALLY SIZED BALL VALVE AND FOLLOWED BY A FEMALE PIPE THREAD FITTING SIZED EQUAL TO THE TUBING SUPPLYING IT.
5. UNLESS OTHERWISE SPECIFIED ALL WATER PIPING FOR RECLAIM WATER DELIVERY TO WASH SUPPORT EQUIPMENT TO BE SCHEDULE 80 POLYVINYL CHLORIDE (PVC) COMPLYING WITH ASTM D1785, D2241, OR D2672 AND RATED FOR THE CONNECTED OPERATING PRESSURE. ALL DROPS TO EQUIPMENT TO BE TERMINATED WITH AN EQUALLY SIZED BALL VALVE AND FOLLOWED BY A FEMALE PIPE THREAD FITTING SIZED EQUAL TO THE TUBING SUPPLYING IT.
6. UNLESS OTHERWISE SPECIFIED ALL SUCTION LINES FROM RECLAIM TANKS TO RECLAIM SYSTEM TO BE SCHEDULE 80 POLYVINYL CHLORIDE (PVC) COMPLYING WITH ASTM D1785, D2241, OR D2672. PLUMBING TO BE TERMINATED AT THE RECLAIM SYSTEM AND FLAP STYLE CHECK VALVE TO BE PROVIDED AND INSTALLED, IN TANK, FOR EACH OF THE SUCTION LINES.
7. UNLESS OTHERWISE SPECIFIED THE COMPRESSED AIR PIPING TO WASH SUPPORT EQUIPMENT TO BE DUCTILE IRON WITH 100LB ASTM A MALLEABLE FITTINGS. ALL DROPS TO EQUIPMENT TO BE TERMINATED WITH AN EQUALLY SIZED BALL VALVE AND FOLLOWED BY A FEMALE PIPE THREAD FITTING SIZED EQUAL TO THE TUBING SUPPLYING IT. THE FINAL CONNECTION TO THE COMPRESSOR WILL BE MADE WITH A PERMANENTLY FLEXIBLE TUBE RATED FOR AT LEAST 175PSI.
8. FLUSH TEST EQUIPMENT AND ALL TEST PIPING TO CONDUCT A LEAK TEST ON ALL PIPING INCLUDING RECLAIM SUCTION AND RETURN LINES. TEST IS TO INCLUDE PRESSURIZATION OF ALL LINES WITH COMPRESSED AIR TO 125PSI. PRESSURE IS TO MAINTAIN FOR NO LESS THAN 3 HOURS AND BE ACKNOWLEDGED IN WRITING WITH A SIGNATURE FROM EITHER A BELANGER INC REPRESENTATIVE OR CUSTOMER APPOINTED REPRESENTATIVE.
9. SEAL ALL WALL PENETRATIONS CREATED FOR PIPE RUNS BETWEEN WASH BAY AND ANY ADJOINING ROOM.
10. DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS ARE NOT INTENDED. THE PLUMBING CONTRACTOR IS TO CLARIFY ANY SUCH DISCREPANCIES DUE TO DESIGN OR CODE WITH BELANGER INC. AND OR OWNER PRIOR TO COMMENCING WORK. CHANGES TO CONTRACT DOCUMENTS AND THE COSTS ASSOCIATED WILL ONLY BE BINDING AND PAYABLE IF PREVIOUSLY APPROVED FOR, AND ACKNOWLEDGED WITH A SIGNED LETTER OF DEVIATION BY BELANGER INC OR THE OWNER.
11. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHEATHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE PLUMBING CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGES BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK AFTER SO LOCATED.
12. PIPING SHALL BE RAN IN STRAIGHT LINES, PARALLEL AND/OR PERPENDICULAR TO THE BUILDING CONSTRUCTION. PIPING TO BE RAN AS HIGH AS POSSIBLE TO PRESERVE MINIMUM CLEARANCES AS THAT SHOULD CROSS OPEN AREAS.

BELANGER, INC. STANDARD NOTE TO CONTRACTORS:  
 THIS SET OF DRAWINGS AND DOCUMENTS IS INTENDED AS A SET OF GUIDELINES FOR THE PROJECT. THEY MUST BE READ TO INCORPORATE ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES INCLUDING FEDERAL A.D.A. REQUIREMENTS. THIS SET ASSUMES THAT THERE ARE NO UNUSUAL SOIL CONDITIONS. THE FAILURE OF THIS CONDITION MAY REQUIRE SIGNIFICANT CHANGES TO THESE DOCUMENTS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONFORM TO ALL APPLICABLE CODES AND TO INFORM THE OWNERS/ARCHITECTS OF ANY QUESTIONS OR CLARIFICATIONS WHICH ARE DESIRED. CONTRACTORS ARE ASSUMED TO KNOW ALL OBSERVANCE CONDITIONS.

THIS DRAWING IS AND SHALL REMAIN THE PROPERTY OF BELANGER, INC. USE, REPRODUCTION OR ALTERATION OF THIS DRAWING WITHOUT THE EXPRESSED WRITTEN PERMISSION OF BELANGER, INC. IS PROHIBITED.



SAMS EXPRESS - WINSTON SALEM, NC

BELANGER TUNNEL SYSTEM

GENERAL NOTES

DRAWN: S. MCBRIDE DATE: 5/19/17  
 CHECKED: S. MCBRIDE DATE: 5/19/17  
 APPROVED: DATE: 5/19/17  
 SCALE: N/A  
 PAPER: 22"x34"

REV	DATE	ENGR	APPR	DESCRIPTION
				HARD COPY IS INTENDED TO BE 22"x34" WHEN PRINTED SCALE(S) ARE NOT ACCURATE FOR ANY OTHER SIZE

PROJECT #:  
 WINSTON SALEM

SHEET #:  
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Order Plans

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