GENERAL NOTES

Preliminary drawings may be provided with a quote to indicate the location of vacuum equipment, piping, and hoses. Drawings may be used in direct coordination with Architects and Engineers' plans for city/AHJ/client approval. Accurate and complete site plans must be provided to ensure the quality of your vacuum area to coordinate issues such as vacuum parking space width/angle, traffic flow, and hose reach.

Drawings are preliminary until the final system order is signed by the client.

Changes made to a vacuum system without Vacutech's consultation voids all Vacutech responsibility as well as the system warranty.

INSTALLATION NOTES

Installation drawings are provided with each project. Most projects require 2 or more installers and a forklift. Buried pipe, footings and concrete equipment pad(s) should be completed before installing Vacutech systems. J-bolt template kits for footings for vacuum arches and stanchions are available for purchase from Vacutech. Refer to drawings for footing requirements. Changes to vacuum piping, vacuum equipment location, and vacuum equipment enclosure will effect the performance of your system. Changes made to a vacuum system without Vacutech's consultation voids all Vacutech responsibility and the

Vacutech System Install:

Vacutech offers installation as an option when bidding a project.

Please note that the scope of Vacutech's installation only includes work above ground. Vacutech will install vacuum arches/stanchions to concrete footings, install vacuum piping and set vacuum equipment in place.

Vacutech does not dig trenches, auger footings, dig/backfill/bury pipe or conduit, or provide any work below grade.

Vacutech does not pour footings, install J-bolts, install concrete trenches with covers, pour concrete pads, pour grout or do concrete work of any kind. Vacutech does not do core drilling through walls or patch any type of wall coring.

Vacutech does not do any type of roof penetration sealing. I.e. rubber boots, flat room mating, or any other type of material.

Vacutech does not wire lights, producers, disconnects, VFDs, starters or any other electrical component. Vacutech does not pull wire through conduits. These items must be done by a Licensed Electrician

WARRANTY NOTES

CHANGES MADE TO VACUUM SYSTEM WITHOUT VACUTECH CONSULTATION **VOIDS ALL VACUTECH RESPONSIBILITY AND SYSTEM WARRANTY**

Equipment warranty information: (if applicable)

When vacuum equipment is installed in an enclosure with 4 walls and a roof it must be ventilated. Enclosure door must be louvered and an exhaust fan with thermostat set at 85°t must be installed to turn over air every 15 min. Vacuum producer must be exhausted outside with metallic pipe no smaller than 6" with exhaust pipe opening protected from elements. Equipment pad must be flat and level.

Variable frequency drive (VFD) warranty information: (if applicable)

VFDs must be wired from main distribution panel in separate conduit (sized per code; based on producer H.P. and voltage) to each VFD and from each VFD to producer motor

A separate conduit, sized per code, must also be installed from VFD to vacuum pressure transducer installed on filter separator. If two (2) or more VFD's are installed in one (1) enclosure, a separate conduit must be installed for each VFD. Install separate conduit from enclosure to each producer motor, and each filter separator if there is more than one (1).

PIPE NOTES

Piping systems above ground

Piping system shall be schedule 40 (or sch 80) solid core PVC or ABS plastic pipe, with plastic D.W.V. (drain, waste and vent) fittings. Zinc, aluminum, or galvanized tubing, with directional flow zinc fittings of no less than 16 gauge, designed specifically for central vacuum systems are also acceptable.

Buried piping systems cast iron no-hub

In-ground piping systems that are subject to ground freeze/thaw conditions or excessive movement shall be cast iron with no-hub fittings and no-hub couplings (w/ stainless steel

Buried piping systems PVC sch 40 (or sch 80)

In-ground piping systems using PVC pipe shall be sch 40 (or sch 80) solid core, with PVC D.W.V.(drain, waste, and vent) fittings. Plastic pipe installed in-ground have a potential of possible cracking and wear. All plastic pipe systems in-ground must be below freeze line.

All interior surfaces shall be free of burrs and obstructions for a non-restrictive air flow.ABS and PVC piping shall be cut straight and removed of burrs. Piping shall be attached together using a primer, and a cement (clear PVC cement for PVC/ black abs cement for

Overhead piping systems shall be supported by means of approved pipe hangers, and shall be installed at a maximum of six feet O.C. when using abs or PVC pipe and ten feet when using zinc or aluminum tubing. All fittings supporting vacuum drop/hose assemblies shall be supported with within one foot on each side of fitting connection.

Piping systems shall be tested to hold 10 psi for a minimum of 24 hours.

When vacuum system is installed in potentially explosive environment, the following may be required as a minimum: Explosion proof motor Class I - Group D & Class II - Group E. F & G. Aluminum piping with zinc fittings. Primary and filtered separators and hose assemblies require special grounding. Verify all conditions.

PVC and ABS plastic pipe are not U.V. rated and will discolor and soften/cause bowing when exposed to direct sunlight. It is recommended that all exposed plastic pipe and fittings be primed and painted to help prevent this. It is recommended to use zinc, or aluminum tubing and zinc fittings be used when exposed to sun.

Plastic pipe exposed to elements:

PVC pipe will become brittle at 40° f and can crack/split when moving debris collides with it, it is recommended to use cast iron, zinc, or aluminum tubing for colder conditions.

ADDITIONAL NOTES

Instructions for wiring VFD to producer and Filter Separator are available for your electrician. After wiring is complete, call our customer service to complete programming.

Arch Systems: How Awnings are ordered (Cooloroo/Weblon)

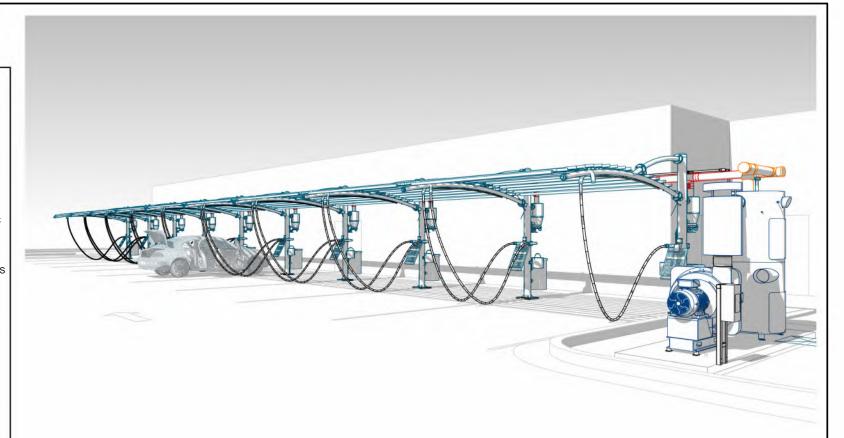
Step 1: Arches are to be completely installed on site.

Step 2: After installation. Vacutech will send an awning measurement form to be filled out with instructions on how and where to measure. The awning form must be filled out entirely, signed, dated, and faxed or emailed to Vacutech for production. Step 3: Awnings are shipped to site w/ instructions.

System longevity under continuous operation is extended by regular maintenance. Issues commonly result from failure to remove obstructions in the piping system, replace damaged or worn parts, or not regularly changing filter bags. Refer to Vacutech

Assign a person to central vacuum maintenance:

To ensure continued trouble free central vacuum system operation and to avoid downtime during periods of heavy use, assign an employee to follow a strict maintenance schedule. Refer to Vacutech recommended maintenance schedule.



VACUTECH

Elevation: 1,060' ASL AN NES COMPANY

	SHEET INDEX	
NO.	NAME	REV
V001	COVER SHEET	3
V002	GENERAL STRUCT. NOTES	3
V101	OVERALL SITE PLAN	3
V111	VACUUM SITE PLAN	3
V121	VACUUM SITE ISOMETRIC	3
V201	PIPE LAYOUT	3
V211	PIPE ISOMETRIC	3
V301	PARKING ELEVATION	3
V311	ARCH NUMBERING PLAN	3
V401	FOOTING LOCATION PLAN	3
V402	BASEPLATE TEMPLATE	3

	SHEET INDEX	
NO.	NAME	REV.
V411	FOOTING DETAIL	3
V421	POS FOOTING DETAIL	3
V501	POS DETAILS	3
V601	EQUIPMENT SITE PLAN	3
V611	EQUIP. SITE ISOMETRIC	3
V621	EQUIPMENT ELEVATION	3
V701	EQUIPMENT DETAILS	3
V702	ELECTRICAL DIAGRAM A	3
V703	ELECTRICAL DIAGRAM B	3
V711	ENCLOSURE DETAIL	3
V721	PIPE DETAILS	3

VACUTECH CLUB CAR WASH

AN **NCS** COMPANY

SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

18318 EVANS ST. OMAHA, NEBRASKA 68022

	#	Revision	Ву	Chk	Date
	1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24
		TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY			
		TEES, ALSO MADE THE POS ARCH 17' APART			
	2	PREPPED FOR ENGINEERING	JC	RY	5/29/25
	3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25
ı					
					- The second sec

COVER SHEET

Project Number	1521325
Date	8/15/24
Drawn By	FM
Checked By	TD

GENERAL STRUCTURAL NOTES

DESIGN CRITERIA:

BUILDING CODE: INTERNATIONAL BUILDING CODE, 2018 EDITION (2018 IBC)

ROOF D.L. = 1.1 PSF (TRELLIS AWNING) ROOF L.L. = 20 PSF GROUND S.L. = 25 PSF

BASIC WIND SPEED V = 105 MPH; ALLOWABLE WIND SPEED V ASD = 81.33 MPH RISK CATEGORY = I; EXPOSURE = C

SEISMIC:

IMPORTANCE FACTOR, le = 1.0

MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS S s = 0.075 S1 = 0.045 DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS S DS = 0.08 SD1 = 0.071

SITE CLASS = D; SEISMIC DESIGN CATEGORY = B

SEISMIC RESISTING SYSTEM = STEEL ORDINARY CANTILEVER COLUMN SYSTEM

SEISMIC BASE SHEAR = (W x C s)

SEISMIC RESPONSE COÈFFICIENT (C_s) = 0.06

RESPONSE MODIFICATION FACTOR (R) = 1.25

ANALYSIS METHOD: EQUIVALENT LATÉRAL-FORCE PROCEDURE

ENGINEERING DESIGN PROVIDED BY OTHERS SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF NEBRASKA.

FOUNDATION:

FOOTINGS SHALL BE CONSTRUCTED IN UNDISTURBED SOIL. SOIL SHALL MEET THE FOLLOWING REQUIREMENTS:

- DESIGN SOIL PRESSURES PER IBC TABLE 1806.2: SOIL CLASS 5
- DESIGN VERTICAL BEARING PRESSURE = 1500 PSF
- DESIGN LATERAL BEARING PRESSURE = 100 PSF/FT (X2 INCREASE PER IBC 1806.3.4

PRESUMPTIVE LOAD BEARING VALUES WERE UTILIZED FOR THE FOUNDATION DESIGN. A SITE-SPECIFIC GEOTECHNICAL EVALUATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. SML ENGINEERS ASSUMES NO LIABILITY WITH REGARD TO DIFFERENTIAL SETTLEMENT THAT COULD RESULT FROM FROST HEAVE OR THE PRESENCE OF EXPANSIVE OR COLLAPSIBLE SOILS. THIS STRUCTURE CAN TOLERATE SIGNIFICANT FOUNDATION MOVEMENT WITH A LITTLE EFFECT ON ITS INTEGRITY AND WITHOUT PRESENTING ANY UNDUE LIFE SAFETY

SPECIAL STRUCTURAL INSPECTION:

CONTACT THIRD PARTY SPECIAL INSPECTION AGENCY

PROVIDE SAFE ACCESS TO THE WORK FACILITIES BY THE SPECIAL STRUCTURAL INSPECTOR. NOTIFY ENGINEER OF CONSTRUCTION START DATE AND COORDINATE INSPECTIONS, PROVIDE THE ENGINEER 24 HOURS NOTICE OF SPECIAL INSPECTIONS. SPECIAL INSPECTIONS MAY BE CONDUCTED AS NOTED IN PARENTHESES BELOW. SEE IBC CHAPTER 17 FOR MORE SPECIFIC INFORMATION

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION PER IBC CHAPTER 17:

SPECIAL INSPECTION:

- 1. STEEL CONSTRUCTION PER IBC 1705.2 & IBC 1705.12.1
- a. FABRICATOR DOCUMENTATION
- b. HIGH STRENGTH BOLTING PERIODIC
- 2. CONCRETE CONSTRUCTION: TABLE 1705.3
- a. INSPECTION OF REINFORCEMENT AND VERIFICATION OF PLACEMENT.
- b. INSPECTION OF ANCHORS CAST IN CONCRETE.
- c. VERIFY USE OF REQUIRED DESIGN MIX.

CONCRETE:

ACI MANUAL OF CONCRETE PRACTICE, TYPE V CEMENT

MINIMUM 28 DAY STRENGTH AS FOLLOWS:

- CONCRETE SHALL BE 3,000 psi AT 28 DAYS. (EXPOSURE CATEGORY F0, S0, W0, AND C0)
- UNLESS ANY OF THE FOLLOWING CONDITIONS APPLY PER ACI 318 CONCRETÉ DURABILITY REQUIREMENTS.
- CONCRETE EXPOSED TO FREEZE/THAW CYCLES
- LIMITED EXPOSURE TO WATER CONCRETE STRENGTH = 4,000 PSI., AIR ENTRAINMENT= 6% & W/CM= 0.55 (EXPOSURE CATEGORY F1)
- FREQUENT EXPOSURE TO WATER MIN CONCRETE STRENGTH = 4,500 PSI, AIR ENTRAINMENT= 7.5% & W/CM= 0.45 (EXPOSURE 12 CATEGORY F2)
- LIMITED OR FREQUENT EXPOSURE TO WATER 2. 2.1.
- 4000 PSI W/OUT FREEZE/THAW EXPOSURE OR CHLORIDES. (EXPOSURE CATEGORY C1)
- 2.2. W/ CHLORIDES (SUCH AS BRACKISH OR SALTWATER) =5,000 PSI. (EXPOSURE CATEGORY C2)
- IF SULFATES PRESENT REFER TO ACI 318 CHAPTER 19 FOR MIN. CONCRETE REQUIREMENTS (EXPOSURE CATEGORY S1, S2 & 3.
- S3)
- ALL MIX DESIGNS SHALL BE ALKALI-SILICA REACTION (ASR) RESISTANT.
- WATER REDUCING ADMIXTURES SHALL CONFIRM TO ASTM C494
- FLY ASH: ASTM C-618 CLASS F. NOT TO EXCEED 15% OF THE CEMENTITIOUS MATERIALS BY WEIGHT.
- MECHANICALLY VIBRATE WHEN PLACED, EXCEPT SLABS ON GRADE. MAXIMUM SLUMP 5"
- NO ADDITIONAL ADMIXTURES WITHOUT APPROVAL.
- NO ADMIXTURES CONTAINING CHLORIDES

CONCRETE SHALL BE DEPOSITED AS CLOSE AS POSSIBLE TO ITS FINAL POSITION. CONCRETE WITHOUT TYPE F OR G WATER REDUCERS SHALL NOT BE ALLOWED TO DROP MORE THAN 5 FEET FROM A CHUTE OR "ELEPHANT TRUNK". CONCRETE WITH TYPE F OR G WATER REDUCERS SHALL NOT BE ALLOWED TO DROP MORE THAN 12 FEET FROM THE CHUTE OR "ELEPHANT TRUNK". IF CONCRETE MUST BE DROPPED MORE THAN ALLOWED ABOVE, HOPPERS, TREMIE AND CHUTES, "ELEPHANT TRUNKS" ETC. SHALL BE USED TO PREVENT SEGREGATION

CONCRETE PLACED INTO CAISSONS SHALL EMPLOY THE USE OF A TREMIE. CONCRETE SHALL NOT BE PLACED INTO CAISSONS WITH MORE THAN 2 FEET OF STANDING WATER AT THE BOTTOM OF THE CAISSON.

DRYPACK: NON-SHRINK NON-METALLIC GROUT.

MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 2 DAYS.

PLACE UNDER BEARING PLATES BEFORE INSTALLING FRAMING MEMBERS.

REINFORCING:

ASTM A615, GRADE 60 DEFORMED BARS. DETAIL PER LATEST A.C.I. CODE AND DETAILING MANUAL. PLACE REBAR PER C.R.S.I. STANDARDS.

** OWNER RESPONSIBILITIES**

**THE STRUCTURAL ENGINEERING DESIGN IS APPLICABLE FOR THE CONFIGURATION PRESENTED IN THESE DRAWINGS AND ONLY FOR THIS LOCATION. THE OWNER SHALL BEAR ALL RISK ASSOCIATED WITH ALTERNATE CONFIGURATIONS, LOADING AND/OR LOCATION.



Exp: 12/31/2026

AN NCS COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

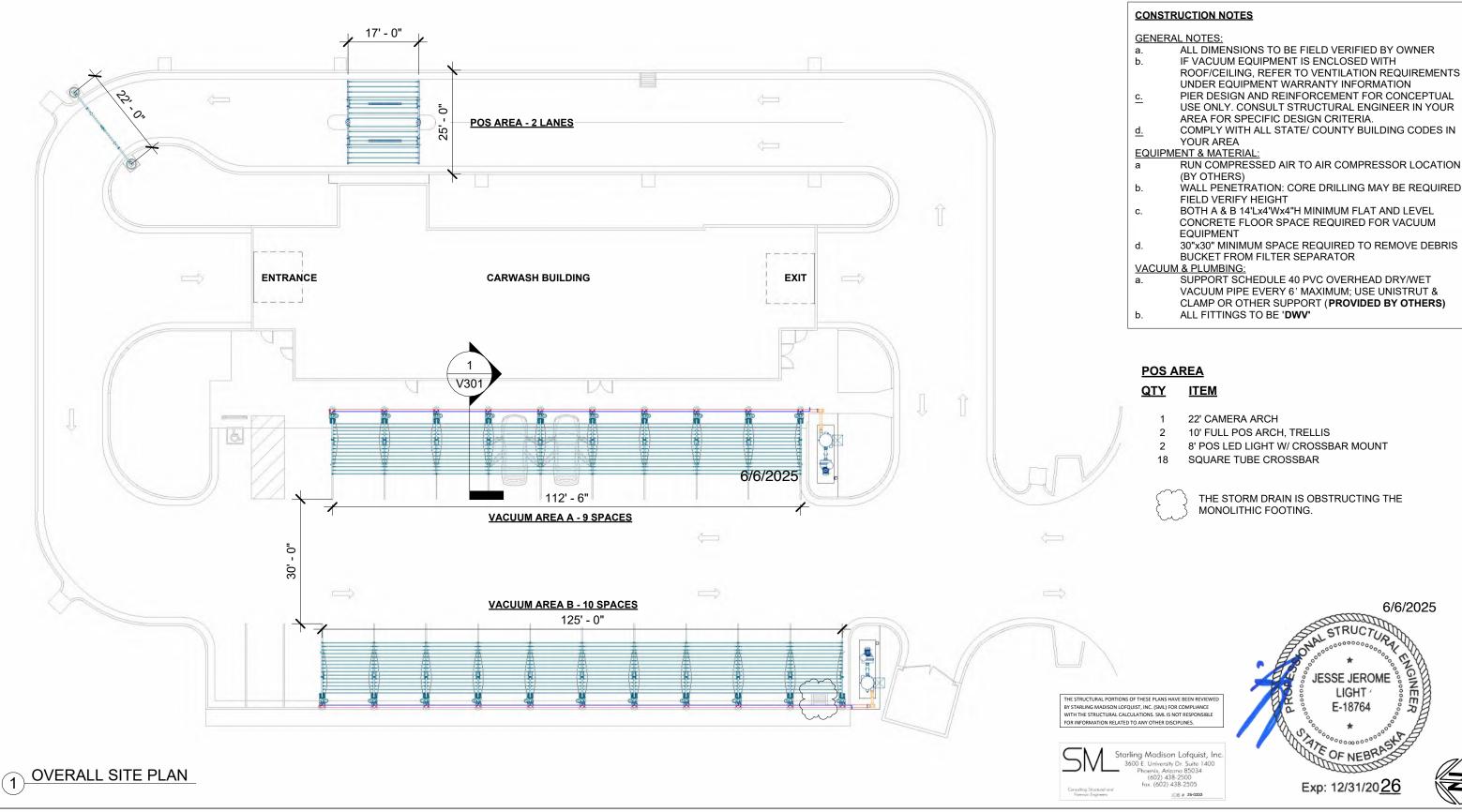
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY			
	TEES, ALSO MADE THE POS ARCH 17' APART			
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25

GENERAL STR	RUCT. NOTES
-------------	-------------

Project Number	1521325
Date	8/15/24
Drawn By	JC
Checked By	RY



CLUB CAR WASH

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

AN NES COMPANY

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date	
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	t
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	L
					H

OVERALL SITE PLAN

roject Number	1521325	
ate	8/15/24	
rawn By	FM	
hecked By	TD	

V101

6/6/2025

LIGHT E-18764

6/5/2025 9:22:08 AM

VACUUM EQUIPMENT A QTY <u>ITEM</u>

- 40HP T4 DIRECT DRIVE PRODUCER
- 8" T4 OUTDOOR EXHAUST MUFFLER
- 38x88 FILTER SEPARATOR
- 3" PRESSURE RELIEF VALVE
- 96"-140" ADJUSTABLE OVERHEAD PIPE SUPPORT

VACUUM EQUIPMENT B

<u>ITEM</u> <u>QTY</u>

- 50HP T4 DIRECT DRIVE PRODUCER
- 8" T4 OUTDOOR EXHAUST MUFFLER
- 38x88 FILTER SEPARATOR
- 3" PRESSURE RELIEF VALVE

12' - 6"

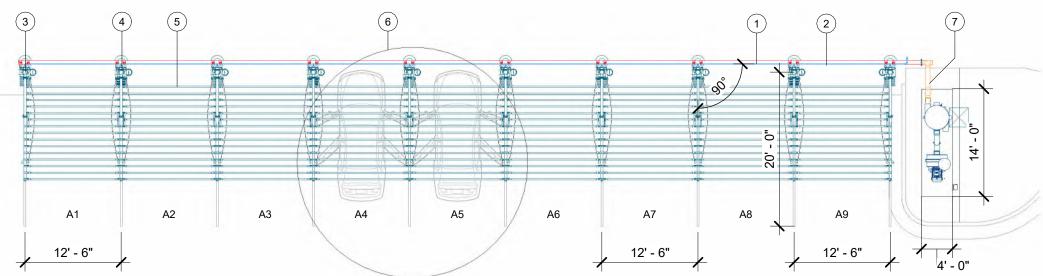
B7

B8

B9

96"-140" ADJUSTABLE OVERHEAD PIPE SUPPORT

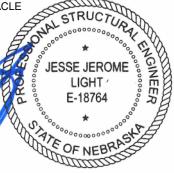
	SITE PLAN
ITEM	DESCRIPTION
1	1" RAPID AIR COMPRESSED AIR LINE
2	6" OVERHEAD ALUMINUM VACUUM TUBE
3	SINGLE USER PALM ARCH AT ENDS OF VACUUM SPACES
4	DUAL USER PALM ARCH BETWEEN VACUUM SPACES
5	SQUARE TUBE CROSSBAR
6	15' HOSE REACH
7	6" OVERHEAD SCH. 40 SOLID CORE PVC VACUUM PIPE



VACUUM AREA A

QTY ITEM

- SINGLE USER PALM ARCH TRELLIS
- **DUAL USER PALM ARCH TRELLIS**
- **CREVICE VACUUM TOOL & HOLDER**
- 1-1/2"x15' RAPIDLOCK HOSE
- AIR NOZZLE & HOSE
- AIR TOOL HANGER
- 13" MAT RACK W/ DOOR PROTECTION
- 30 GALLON WASTE RECEPTACLE
- TIGER EXPRESS TOWEL BIN
- 8' LED LIGHT
- SQUARE TUBE CROSSBAR



6/6/2025

VACUUM AREA B

QTY <u>ITEM</u>

Exp: 12/31/2026

- SINGLE USER PALM ARCH TRELLIS
- DUAL USER PALM ARCH TRELLIS
- **CREVICE VACUUM TOOL & HOLDER** 20
- 1-1/2"x15' RAPIDLOCK HOSE 20
- AIR NOZZLE & HOSE 11
- AIR TOOL HANGER
- 13" MAT RACK W/ DOOR PROTECTION
- 30 GALLON WASTE RECEPTACLE
- TIGER EXPRESS TOWEL BIN
- 8' LED LIGHT
- SQUARE TUBE CROSSBAR

1 SITE PLAN



12' - 6"

В1

AN NES COMPANY

В2

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

ВЗ

B4

CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

В5

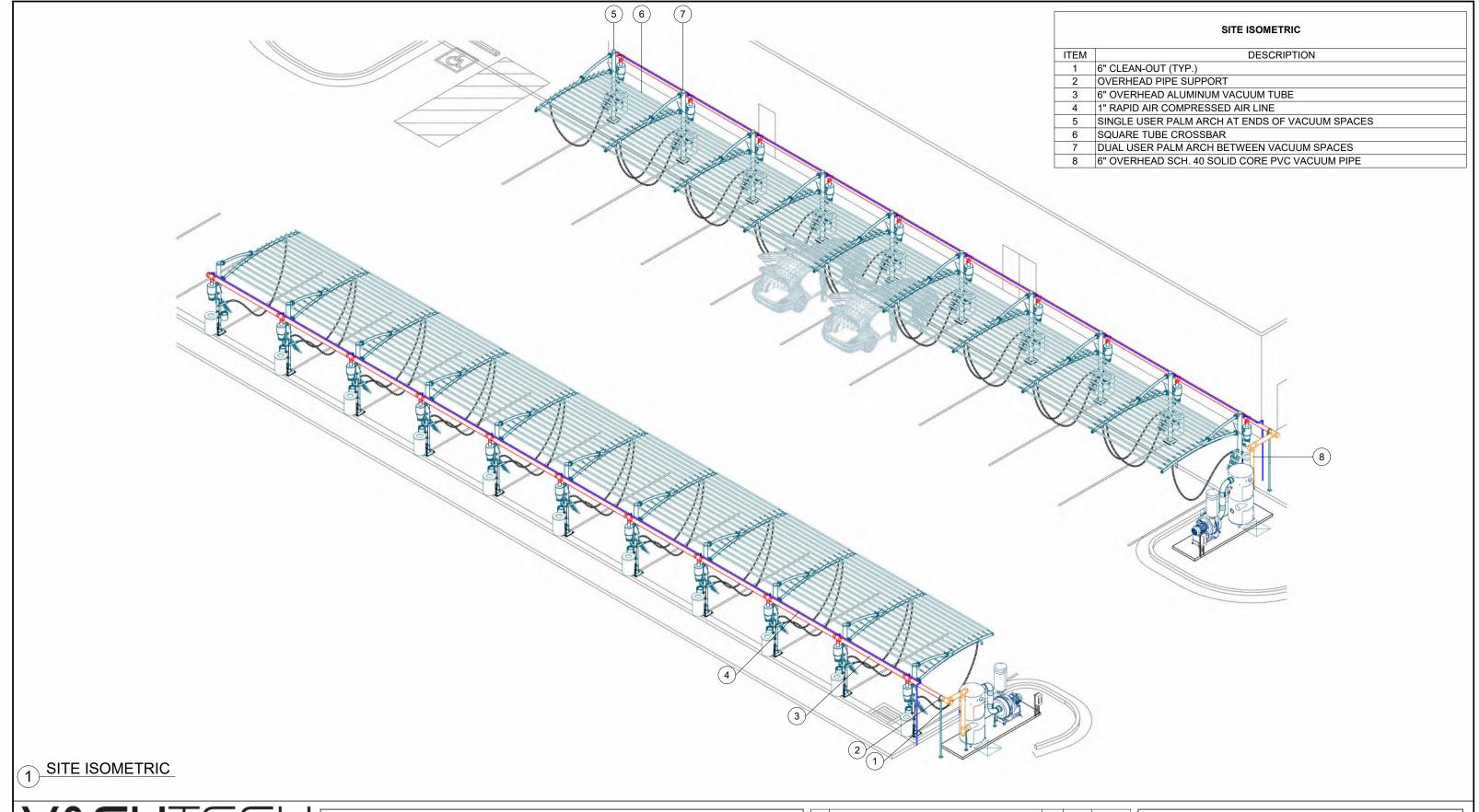
#	Revision	Ву	Chk	Date	
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	ı
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	ļ
					ŀ
					Γ
	1	REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART PREPPED FOR ENGINEERING	1 REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART 2 PREPPED FOR ENGINEERING JC	1 REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART 2 PREPPED FOR ENGINEERING JC RY	1 REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART 2 PREPPED FOR ENGINEERING JC RY 5/29/25

12' - 6"

B10

1 SITE PLAN	$V/\Delta CHHIM$
ISHEPLAN	VACUUM

Project Number	1521325
Date	8/15/24
Drawn By	FM
Checked By	TD



VACUTECH

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

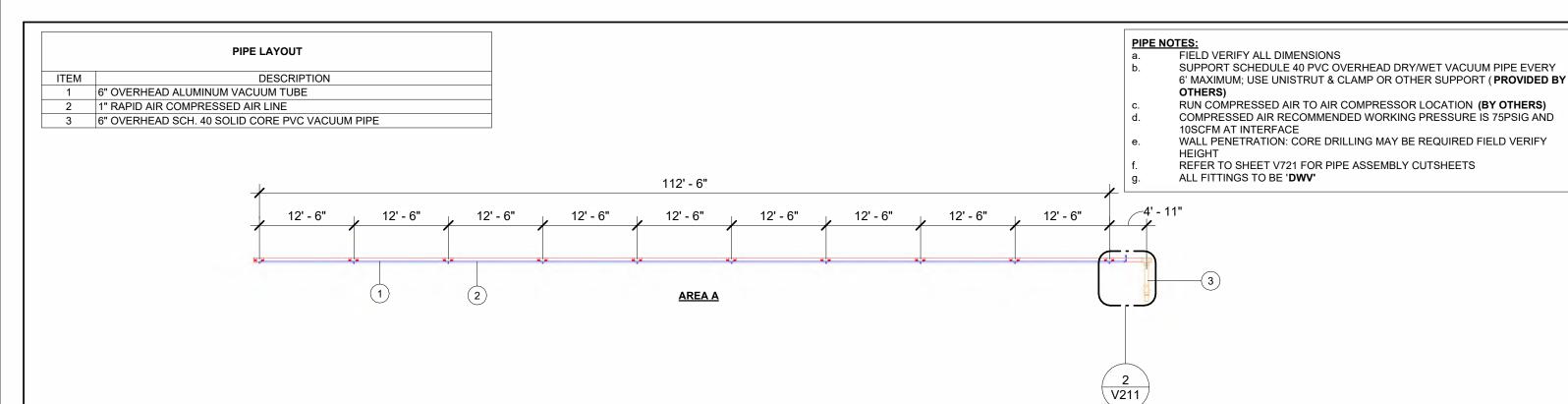
CLUB CAR WASH

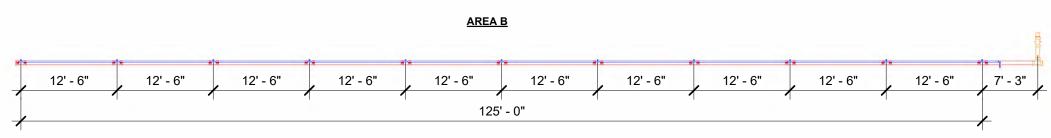
18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date	1_
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	Ľ
					10
					١.
					L
					(

VACUUM SITE ISOMETRIC

Project Number	1521325
Date	8/15/24
Drawn By	FM
Checked By	TD





VACUTECH

PIPE LAYOUT

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

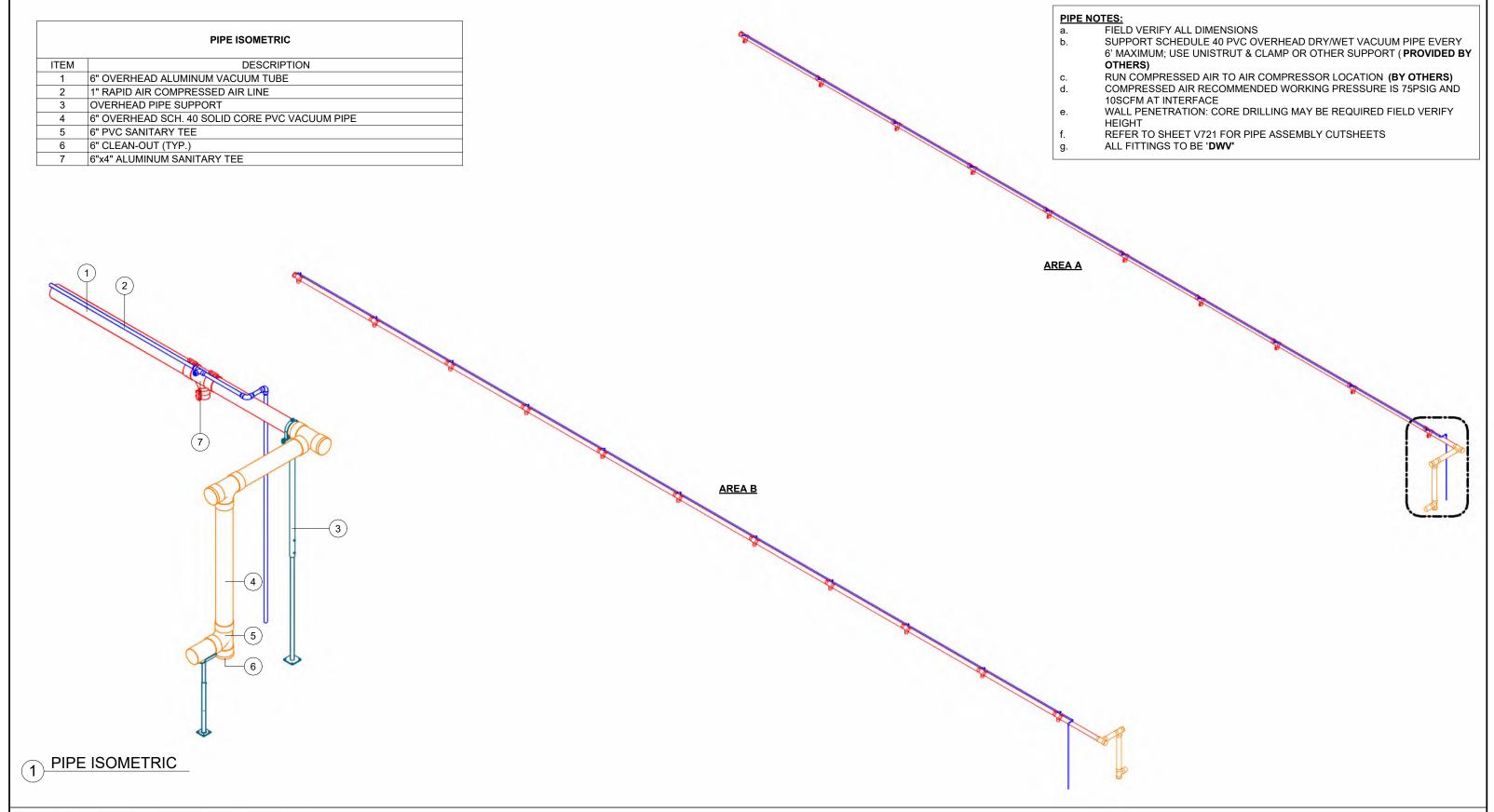
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

	Davislan	D	Ohle	Data	ſ
#	Revision	Ву	Chk	Date	
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	ŀ
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	I
					ŀ
					Ī
					- 1

PIPE LAY	TUC	
Project Number	1521325	
Date	8/15/24	V201
Drawn By	RY	VZUI
Checked By	TD	

6/5/2025 9:22:13 AM



VACUTECH

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

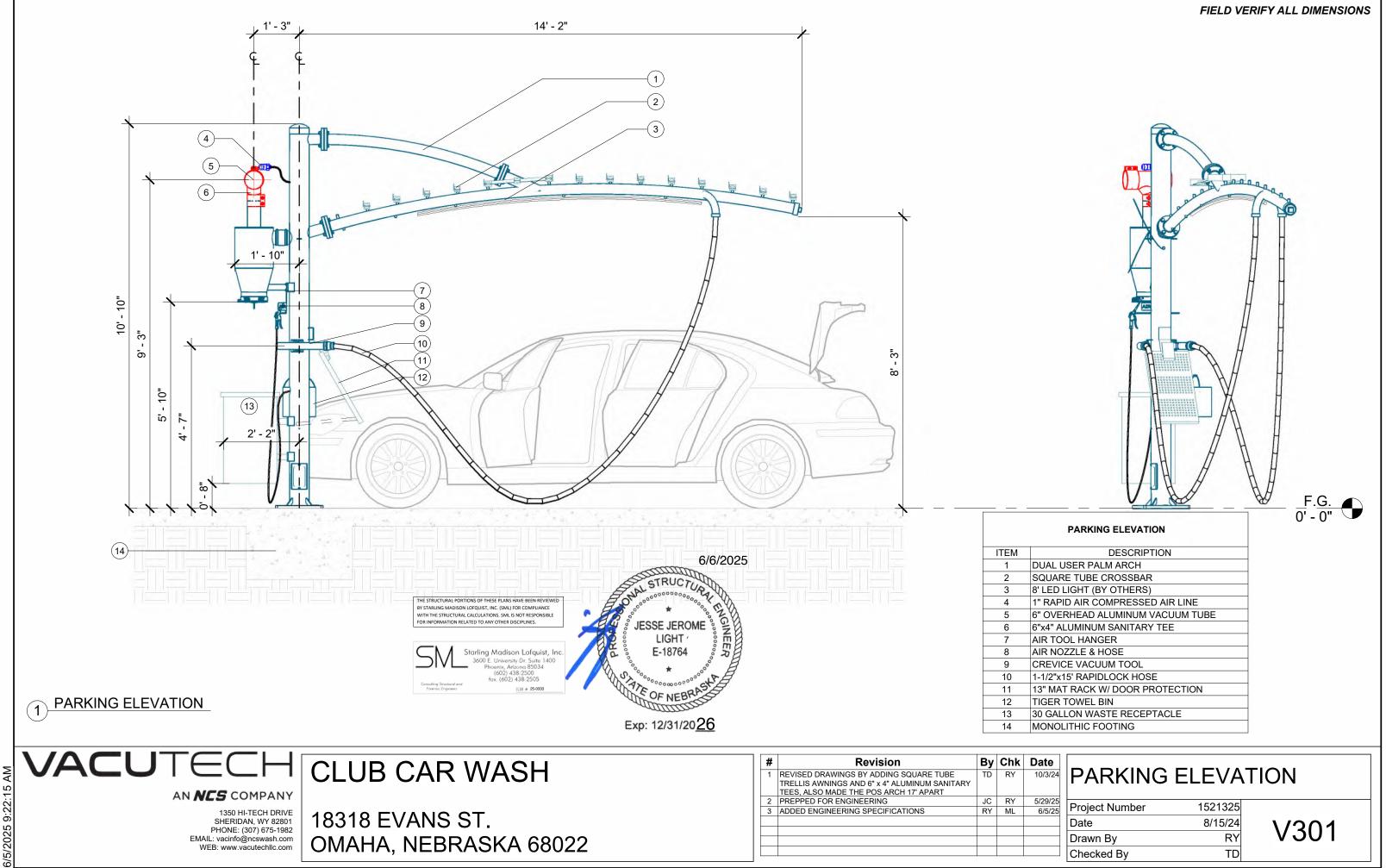
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

	#	Revision	Ву	Chk	Date	١.
	1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
		TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
		TEES, ALSO MADE THE POS ARCH 17' APART				
	2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	F
	3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	
						Ε
						[
1						

PIPE ISOMETRIC

oject Number	1521325
ate	8/15/24
awn By	RY
necked By	TD



AN NES COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

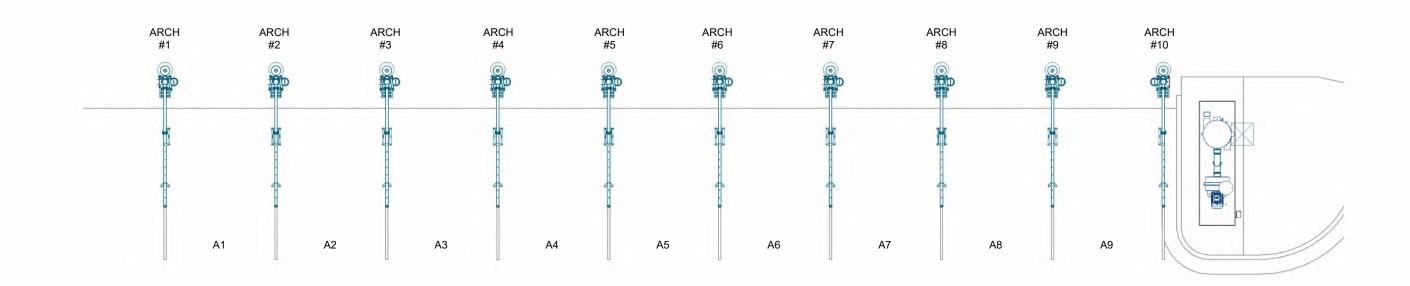
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY			
	TEES, ALSO MADE THE POS ARCH 17' APART			
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25

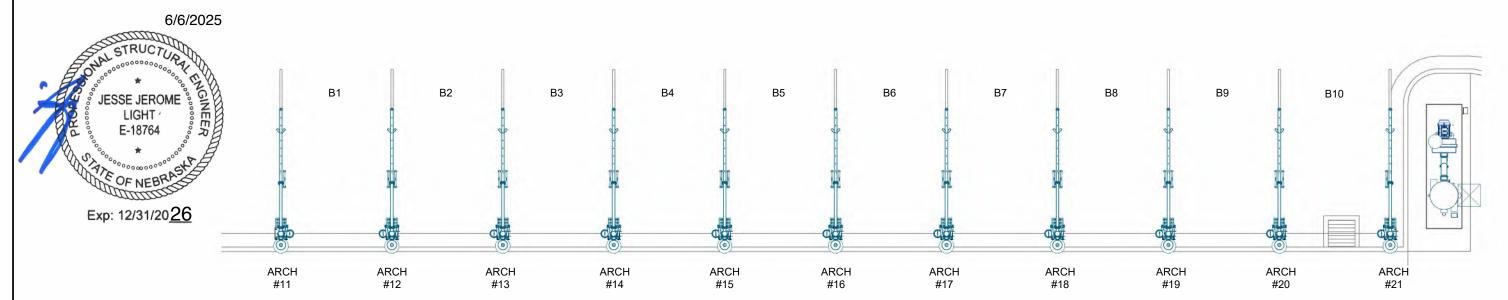
PARKING ELEVATION

Project Number	1521325
Date	8/15/24
Drawn By	RY
Checked By	TD



THE STRUCTURAL PORTIONS OF THESE PLANS HAVE BEEN REVIEWEI BY STARLING MADISON LOFQUIST, INC. (SML) FOR COMPLIANCE WITH THE STRUCTURAL CALCULATIONS. SML IS NOT RESPONSIBLE FOR INFORMATION RELATED TO ANY OTHER DISCIPLINES.

Starling Madison Lofquist, Inc. 3600 E. University Dr. Suite 1400 Phoenix, Arizona 85034 (602) 438.2500 fax. (602) 438.2505



1 ARCH NUMBERING PLAN

VACUTECH

CLUB CAR WASH

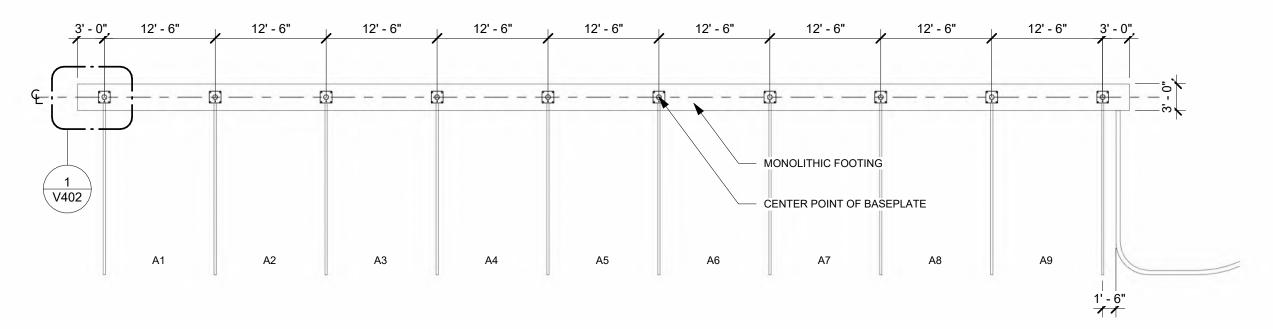
AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com 18318 EVANS ST. OMAHA, NEBRASKA 68022

Revision	D.	a. .	_
	БУ	Chk	Date
REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24
TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY			
TEES, ALSO MADE THE POS ARCH 17' APART			
PREPPED FOR ENGINEERING	JC	RY	5/29/25
ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART PREPPED FOR ENGINEERING JC	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART PREPPED FOR ENGINEERING JC RY

ARCH NUMBERING PLAN

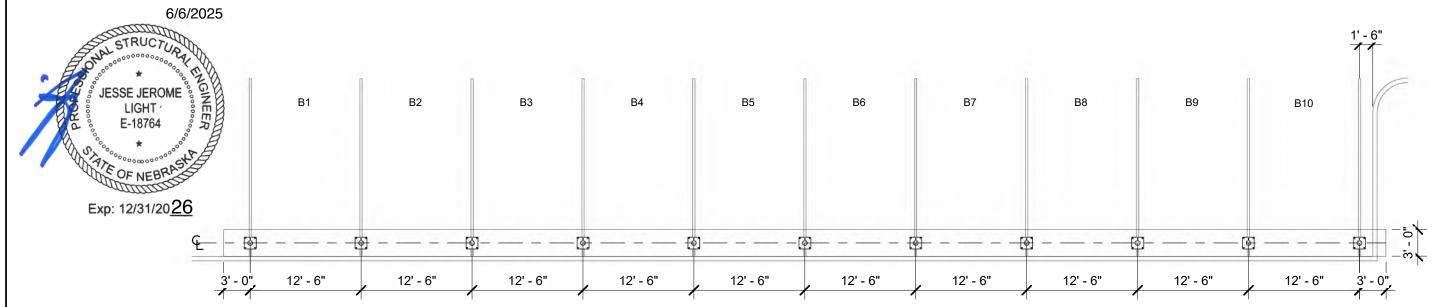
Project Number	1521325
Date	8/15/24
Orawn By	RY
Checked By	TD



THE STRUCTURAL PORTIONS OF THESE PLANS HAVE BEEN REVIEWED BY STARLING MADISON LOFQUIST, INC. (SML) FOR COMPLIANCE WITH THE STRUCTURAL CALCULATIONS. SML IS NOT RESPONSIBLE FOR INFORMATION RELATED TO ANY OTHER DISCIPLINES.

Starling Madison Lofquist, Int.

3600 E. University Dr. Suite 1400
Phoenis, Arizona 85034
(602) 438-2500
fox. (602) 438-2505
fox. (602) 438-2505



1 FOOTING LOCATION PLAN

VACUTECH

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

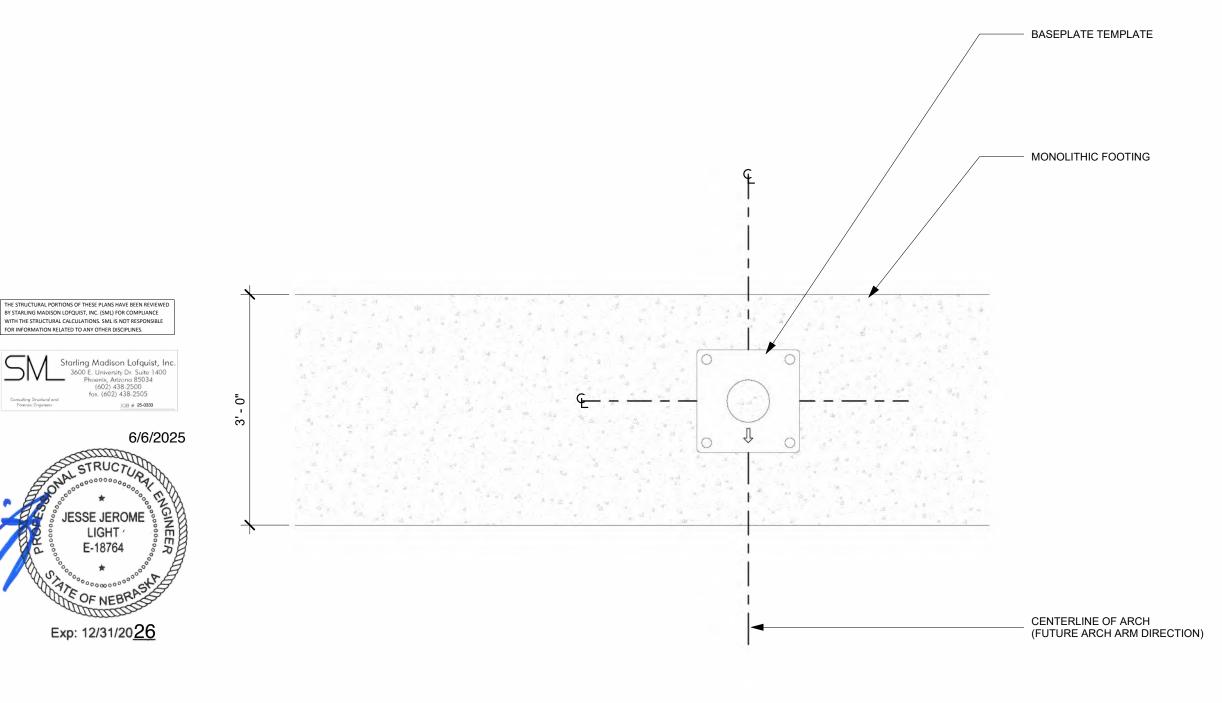
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Cnk	Date	
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	t
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	L
					H
					Γ
		•			

FOOTING LOCATION PLAN

Project Number	1521325
Date	8/15/24
Orawn By	RY
Checked By	TD



1 BASEPLATE TEMPLATE ORIENTATION

WITH THE STRUCTURAL CALCULATIONS. SML IS NOT RESPONSIBLE FOR INFORMATION RELATED TO ANY OTHER DISCIPLINES.

JESSE JEROME LIGHT E-18764

Exp: 12/31/20<u>26</u>

AN NES COMPANY

SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

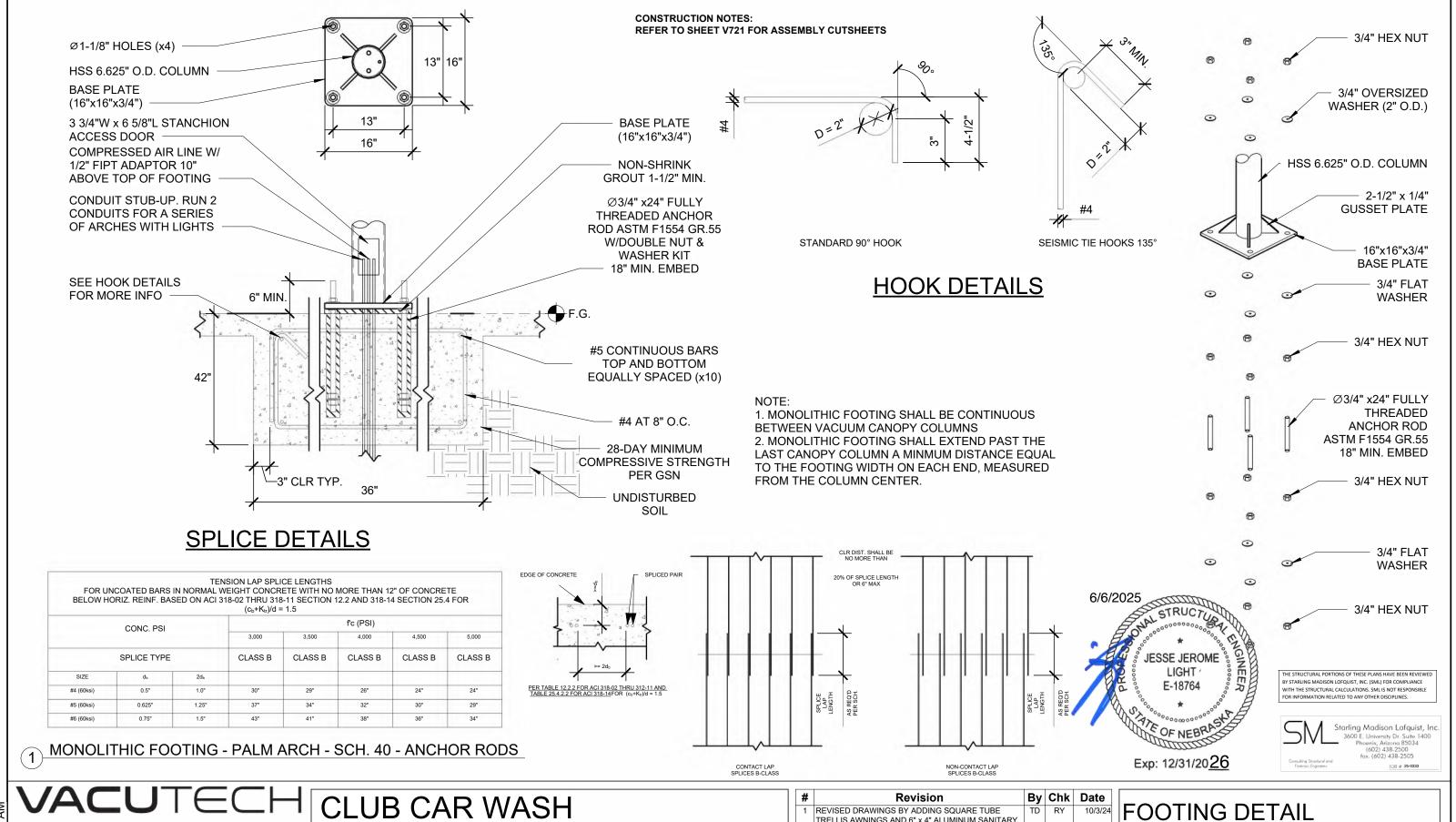
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

	#	Revision	Ву	Chk	Date	
	1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
		TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
П		TEES, ALSO MADE THE POS ARCH 17' APART				
	2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	h
	3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	Ľ
						H
						Η.
						ا
						Т

BASEPLATE TEMPLATE

roject Number	1521325
ate	8/15/24
rawn By	RY
hecked By	TD



5/2025 9:22:19 AM

AN NCS COMPANY

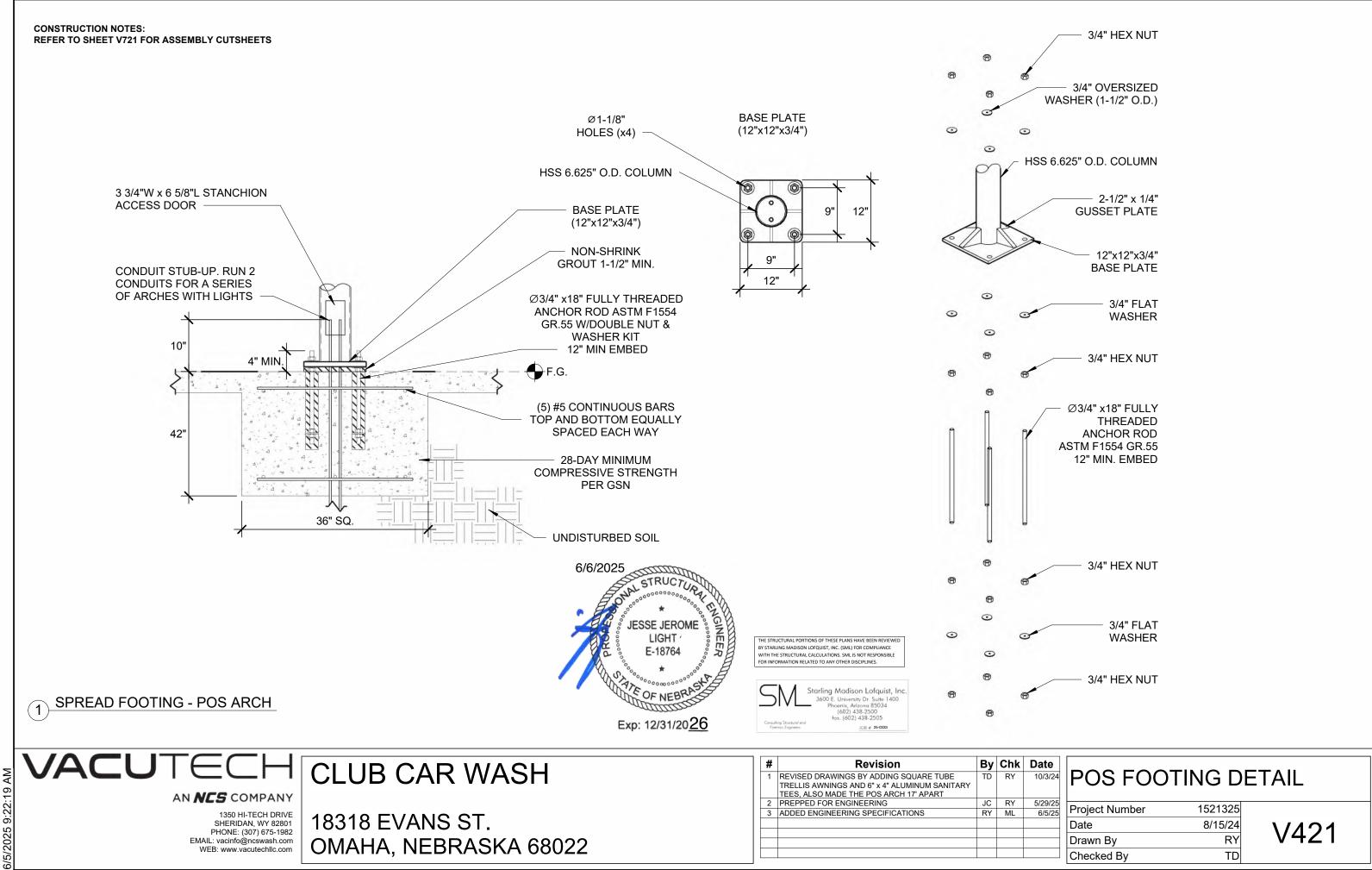
1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

18318 EVANS ST. OMAHA, NEBRASKA 68022

	η π	IVEAISIOII	Dy	Clik	Date	l — – – – –
	1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	IFOOT
		TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
		TEES, ALSO MADE THE POS ARCH 17' APART				
	2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	Dunia at Niveri
	3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	Project Numl
						Date
						Drawn By
						Checked By
- 1						TO CONOCIDY

FOOTING	DETAIL	
Project Number	1521325	
Date	8/15/24	V/411
Drawn By	RY	V 4 1 1

TD



AN NES COMPANY 1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982

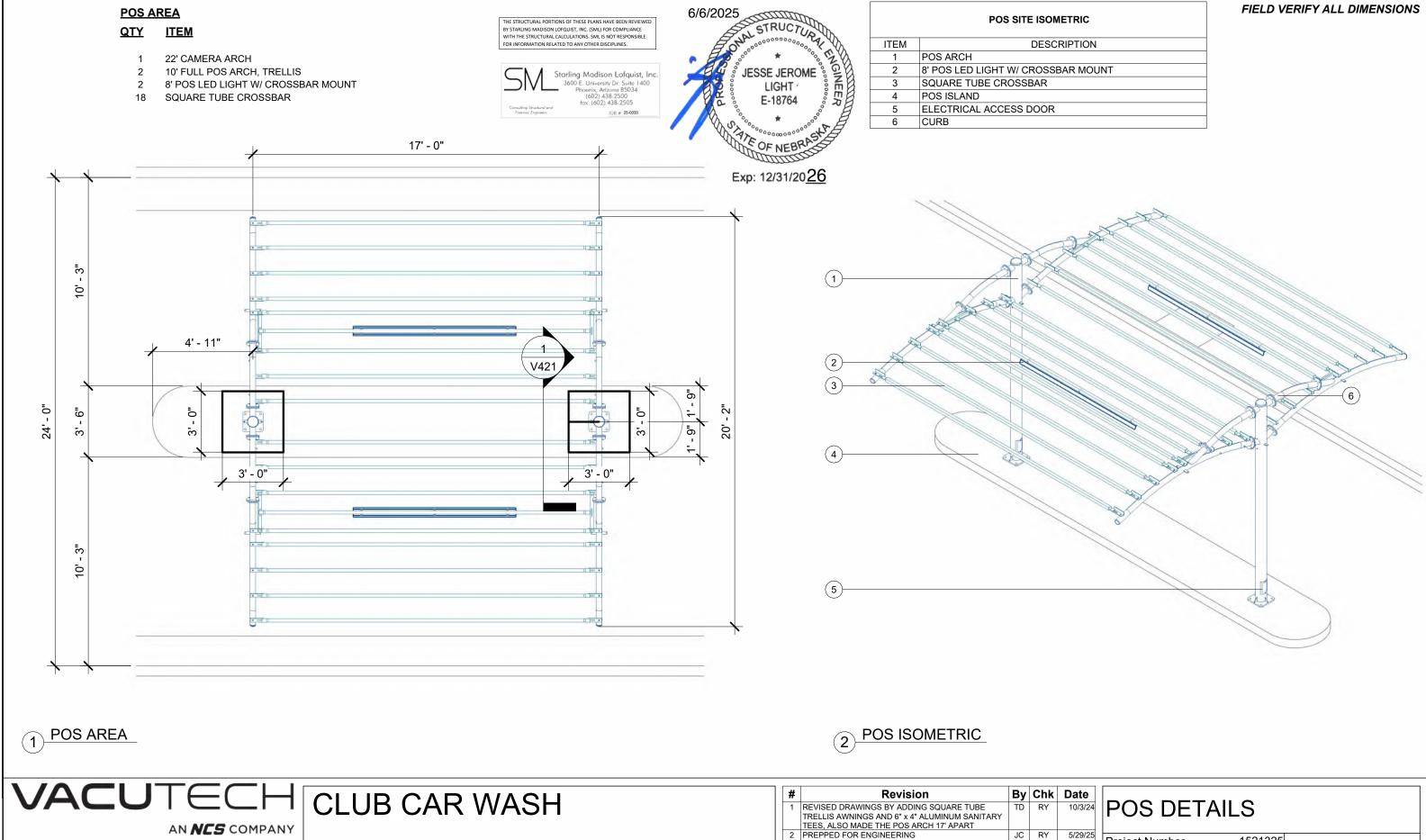
EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

18318 EVANS ST. OMAHA, NEBRASKA 68022

•	1101131011		OIII	Dute	
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	
					1
					H
					L
	1	1 REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART 2 PREPPED FOR ENGINEERING	1 REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART 2 PREPPED FOR ENGINEERING JC	1 REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART PREPPED FOR ENGINEERING JC RY	1 REVISED DRAWINGS BY ADDING SQUARE TUBE TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY TEES, ALSO MADE THE POS ARCH 17' APART 2 PREPPED FOR ENGINEERING JC RY 5/29/25

POS FOOTING DI	ETAIL
----------------	-------

Project Number	1521325
Date	8/15/24
Drawn By	RY
Checked By	TD



ADDED ENGINEERING SPECIFICATIONS

1521325

8/15/24

RY

TD

V501

Project Number

Date

Drawn By Checked By

RY ML

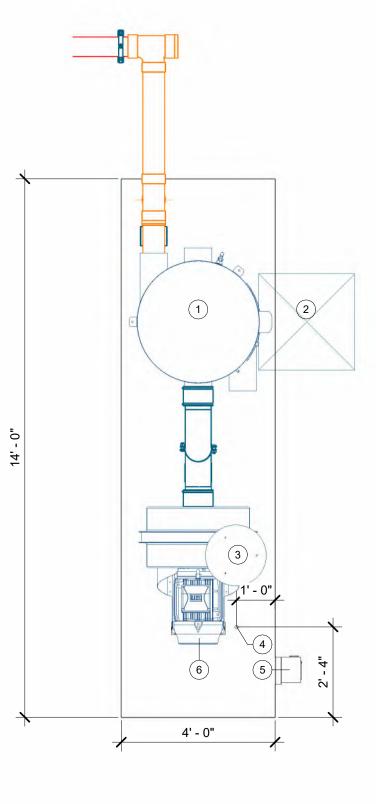
6/5/2025 9:22:20 AM

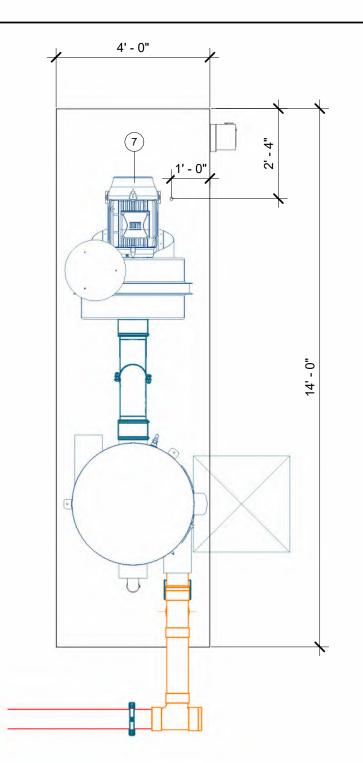
1350 HI-TECH DRIVE

SHERIDAN, WY 82801 PHONE: (307) 675-1982

EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com 18318 EVANS ST.

OMAHA, NEBRASKA 68022





- EQUIPMENT NOTES:
 AREA A & B 14'Lx4'Wx4"H MINIMUM FLAT AND LEVEL CONCRETE FLOOR SPACE REQUIRED FOR VACUUM
- WALL PENETRATION: CORE DRILLING MAY BE REQUIRED FIELD VERIFY HEIGHT NOTE: IF VACUUM EQUIPMENT IS ENCLOSED WITH ROOF/CEILING, REFER TO VENTILATION REQUIREMENTS UNDER EQUIPMENT WARRANTY INFORMATION
- EXHAUST PRODUCER TO OUTSIDE AIR OR ATMOSPHERE W/ 8 ALUMINUM TUBE OR METAL PIPE
- FIELD VERIFY ALL DIMENSIONS
 - SEE POWER EQUIPMENT DETAILS ON V701

	EQUIPMENT SITE PLAN
TEM	DESCRIPTION
1	38x88 FILTER SEPARATOR
2	30"x30" MINIMUM SPACE REQUIRED TO REMOVE DEBRIS BUCKET
3	8" T4 OUTDOOR EXHAUST MUFFLER
4	RECOMMENDED PRODUCER MOTOR CONDUIT STUB-UP LOCATION. SIZE PER N.E.C.
5	RECOMMENDED DISCONNECT LOCATION (WITHIN SIGHT OF PRODUCER), CLEARANCE REQUIRED IN FRONT
6	40HP T4 DIRECT DRIVE PRODUCER
7	50HP T4 DIRECT DRIVE PRODUCER

EQUIPMENT PLAN - B

1 EQUIPMENT PLAN - A

AN NES COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801
PHONE: (307) 675-1982
EMAIL: vacinfo@ncswash.com
WEB: www.vacutechllc.com

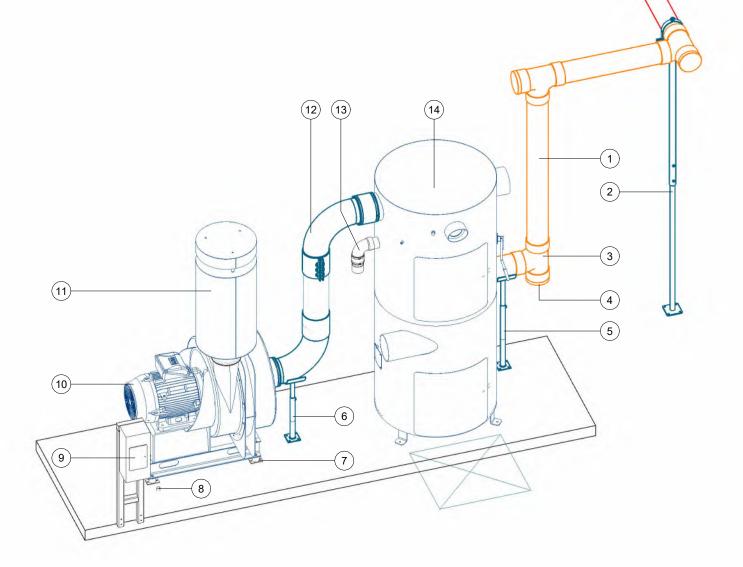
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

	#	Revision	Ву	Chk	Date	١.
	1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	Ш
		TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
		TEES, ALSO MADE THE POS ARCH 17' APART				
	2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	F
	3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	
						Iг
						Н
						[
1						

EQUIPMENT SITE PLAN

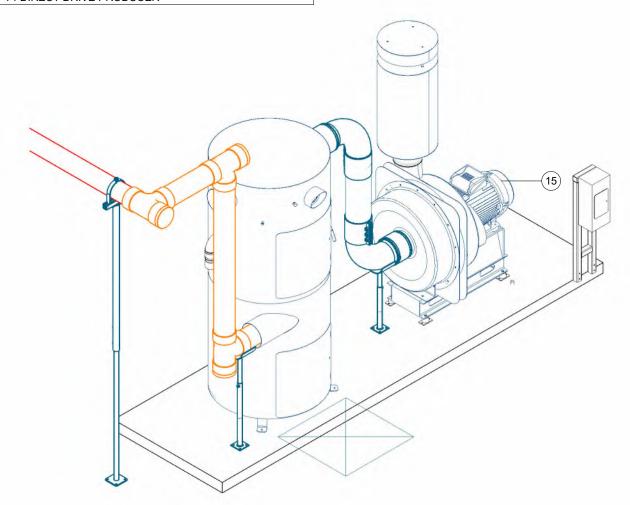
Project Number	1521325
Date	8/15/24
Drawn By	RY
Checked By	TD



	EQUIPMENT SITE ISOMETRIC
ITEM	DESCRIPTION
1	6" OVERHEAD SCH. 40 SOLID CORE PVC VACUUM PIPE
2	OVERHEAD PIPE SUPPORT
3	6" PVC SANITARY TEE
4	6" CLEAN-OUT (TYP.)
5	SEPARATOR PIPE SUPPORT
6	PRODUCER PIPE SUPPORT
7	PRODUCER VIBRATION ISOLATOR
8	RECOMMENDED PRODUCER MOTOR CONDUIT STUB-UP LOCATION, SIZE PER N.E.C.
9	RECOMMENDED DISCONNECT LOCATION (WITHIN SIGHT OF PRODUCER), CLEARANCE REQUIRED IN FRONT
10	40HP T4 DIRECT DRIVE PRODUCER
11	8" T4 OUTDOOR EXHAUST MUFFLER
12	8" SEPARATOR/PRODUCER HOOK-UP KIT (ALUMINUM)
13	3" PRESSURE RELIEF VALVE
14	38x88 FILTER SEPARATOR
15	50HP T4 DIRECT DRIVE PRODUCER

- EQUIPMENT NOTES:

 AREA A & B 14'Lx4'Wx4"H MINIMUM FLAT AND LEVEL CONCRETE FLOOR SPACE REQUIRED FOR VACUUM **EQUIPMENT**
- WALL PENETRATION: CORE DRILLING MAY BE REQUIRED FIELD VERIFY HEIGHT NOTE: IF VACUUM EQUIPMENT IS ENCLOSED WITH ROOF/CEILING, REFER TO VENTILATION REQUIREMENTS UNDER EQUIPMENT WARRANTY INFORMATION
- EXHAUST PRODUCER TO OUTSIDE AIR OR ATMOSPHERE W/ 8 ALUMINUM TUBE OR METAL PIPE
- FIELD VERIFY ALL DIMENSIONS
- SEE POWER EQUIPMENT DETAILS ON V701



EQUIPMENT ISOMETRIC - A

EQUIPMENT ISOMETRIC - B

AN NES COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801
PHONE: (307) 675-1982
EMAIL: vacinfo@ncswash.com
WEB: www.vacutechllc.com

CLUB CAR WASH

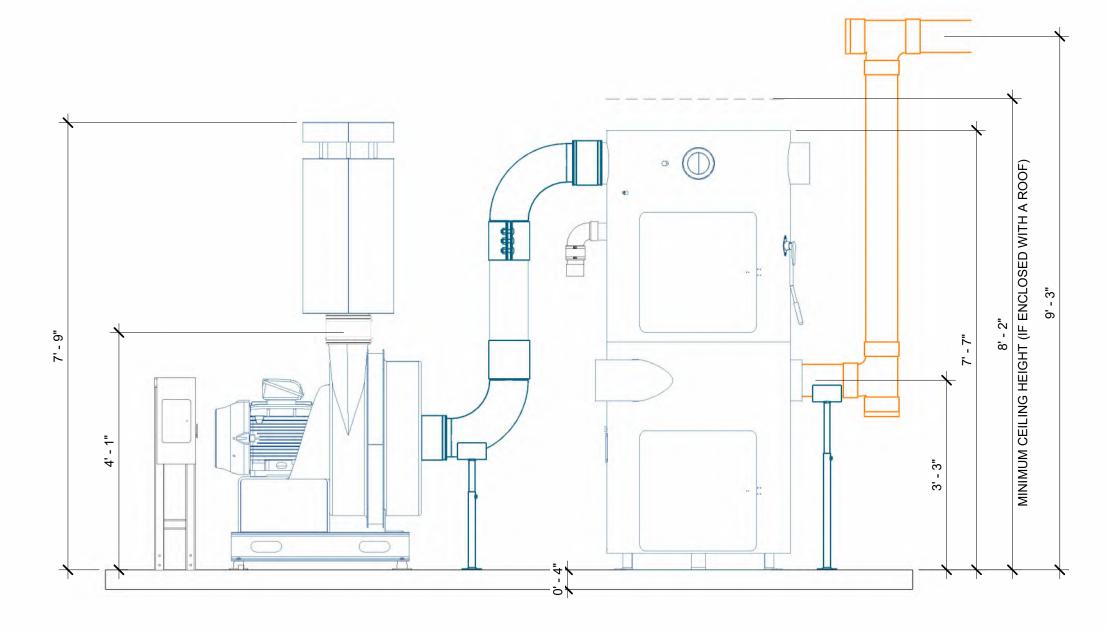
18318 EVANS ST. OMAHA, NEBRASKA 68022

	#	Revision	Ву	Chk	Date	
	1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
		TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
		TEES, ALSO MADE THE POS ARCH 17' APART				
	2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	T.
	3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	Ľ
						П
						Η.
						اا
ı						-

EQUIP. SITE ISOMETRIC

roject Number	1521325	
ate	8/15/24	
rawn By	RY	
hecked By	TD	

- EQUIPMENT NOTES:
 AREA A & B 14'Lx4'Wx4"H MINIMUM FLAT AND LEVEL CONCRETE FLOOR SPACE REQUIRED FOR VACUUM **EQUIPMENT**
- WALL PENETRATION: CORE DRILLING MAY BE REQUIRED FIELD VERIFY HEIGHT NOTE: IF VACUUM EQUIPMENT IS ENCLOSED WITH ROOF/CEILING, REFER TO VENTILATION REQUIREMENTS UNDER EQUIPMENT WARRANTY INFORMATION
- EXHAUST PRODUCER TO OUTSIDE AIR OR ATMOSPHERE W/ 8 ALUMINUM TUBE OR METAL PIPE
- FIELD VERIFY ALL DIMENSIONS
- SEE POWER EQUIPMENT DETAILS ON V701



EQUIPMENT ELEVATION

AN NES COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

CLUB CAR WASH

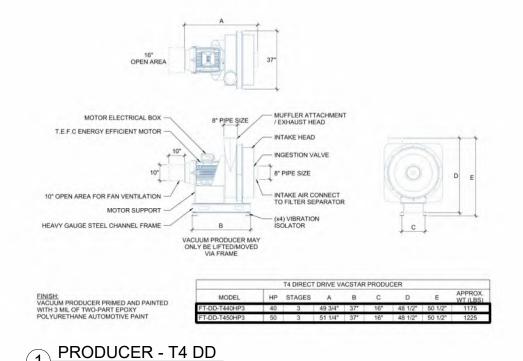
18318 EVANS ST. OMAHA, NEBRASKA 68022

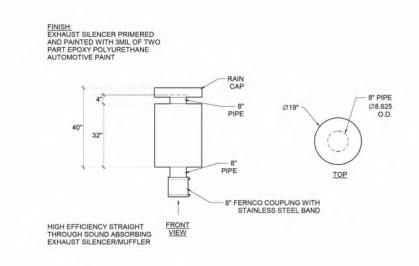
#	Revision	Ву	Chk	Date	l
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	IF(
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				∣┕╵
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	Desi
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	Pro
					Date
					Dra
					Che
	·	•			

EQUIPMENT ELEVATION

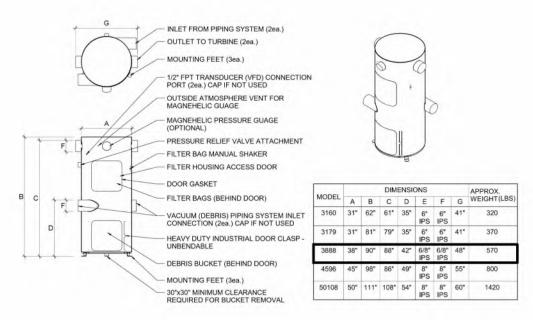
oject Number	1521325	
ite	8/15/24	1/621
awn By	RY	VOZI
ecked By	TD	

6/5/2025 9:22:23 AM





2 EXHAUST SILENCER - T4 OUTDOOR



3 SEPARATOR - FILTER

VACUTECH

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

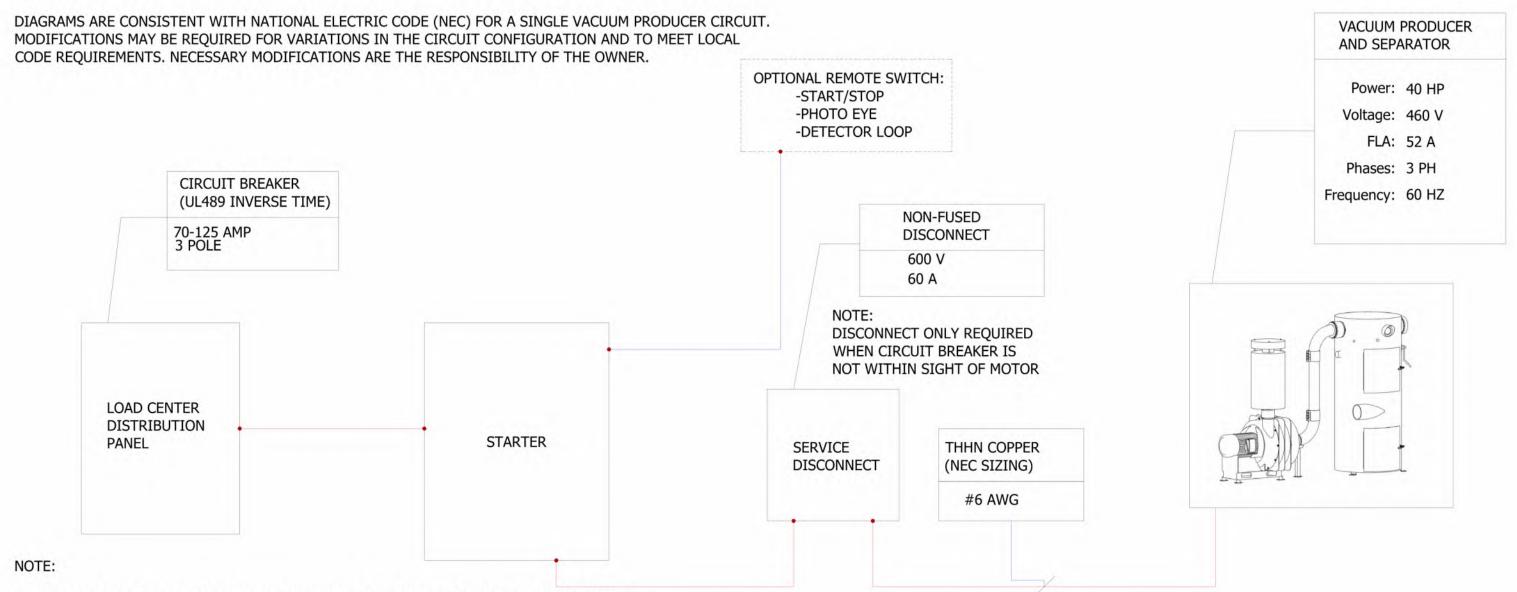
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date	
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	-
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	t
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	L
					ŀ
					ı

EQUIPMENT DETAILS					
Project Number	1521325				
Date	8/15/24	V701			
Drawn By	RY	V / U I			
Checked By	TD				





- 1. DIAGRAM DISPLAYS THE REQUIREMENTS FOR AN INDIVIDUAL VACUUM PRODUCER MOTOR.
- 2. ALL MOTOR (LOAD) AND POWER (LINE) WIRES MUST BE RUN IN SEPARATE CONDUITS.
- 3. ALWAYS FOLLOW ALL NATIONAL AND LOCAL ELECTRICAL CODES.

1 ELECTRICAL DIAGRAM - MAG - 40HP 460V

VACUTECH

HCLUB CAR WASH

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechilc.com

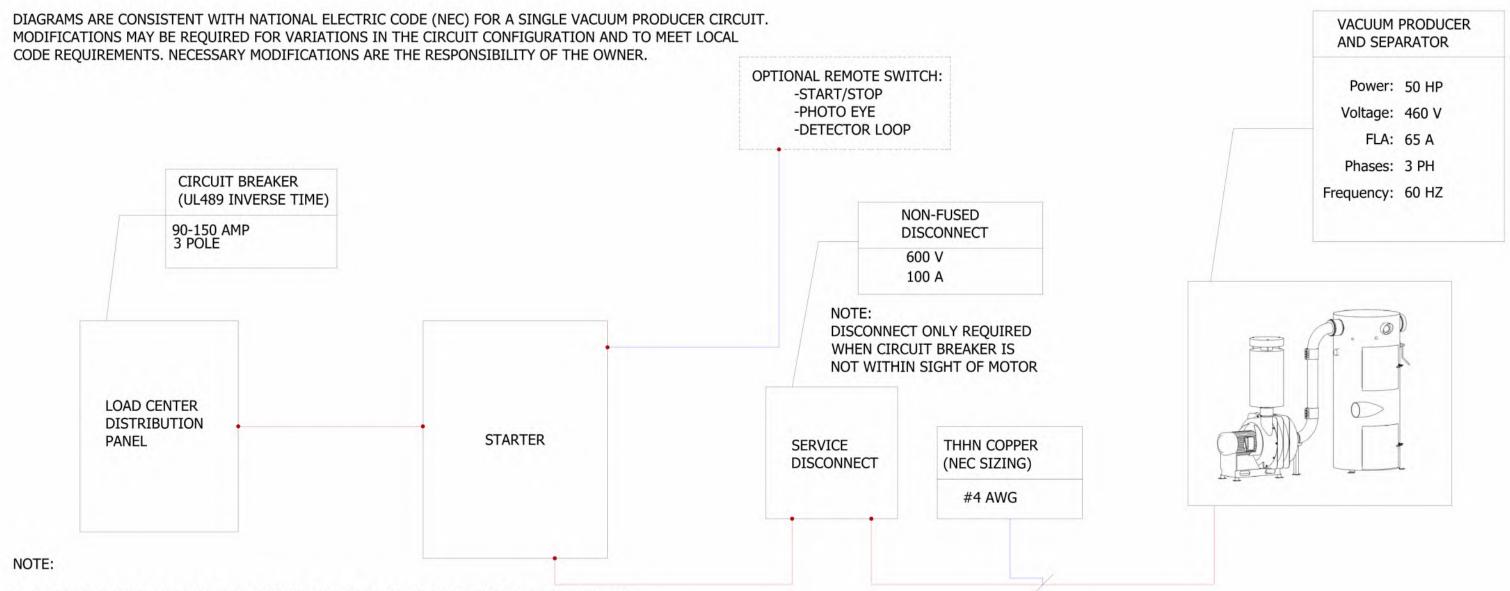
18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date	١.
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	١,
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	Ľ
					1
					Н
					L

ELECTRIC	CAL DIAGRAM A	
Project Number	1521325	

Project Number	1521325
Date	8/15/24
Drawn By	RY
Checked By	TD





- 1. DIAGRAM DISPLAYS THE REQUIREMENTS FOR AN INDIVIDUAL VACUUM PRODUCER MOTOR.
- 2. ALL MOTOR (LOAD) AND POWER (LINE) WIRES MUST BE RUN IN SEPARATE CONDUITS.
- 3. ALWAYS FOLLOW ALL NATIONAL AND LOCAL ELECTRICAL CODES.

ELECTRICAL DIAGRAM - MAG - 50HP 460V

VACUTECH

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechilc.com

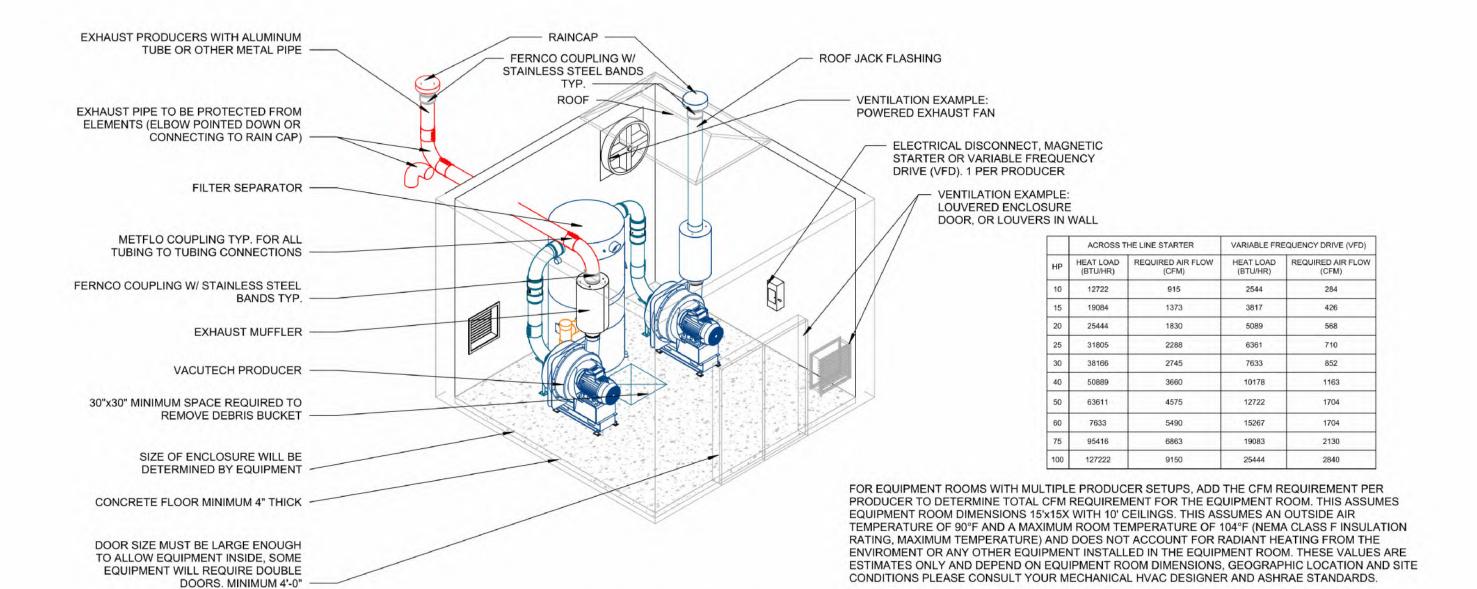
CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date	1_
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	IF
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				-
	TEES, ALSO MADE THE POS ARCH 17' APART				
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	<u></u>
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	Pi
					D
					D
					С

ELECTRICAL DIAGRAM B

oject Number	1521325
ate	8/15/24
awn By	RY
necked Bv	TD



VACUUM EQUIPMENT INSTALLED IN AN ENCLOSURE WITH 4 WALLS AND A ROOF MUST BE ADEQUATELY VENTILATED OR ROOM CONDITIONED IN ORDERED TO PROPERLY DISSIPATE THE HEAT GENERATED BY THE MECHANICAL AND ELECTRICAL EQUIPMENT. IMPROPER VENTILATION AND HEAT DISSIPATION CAN AND WILL RESULT IN DAMAGE TO THE MECHANICAL AND ELECTRICAL EQUIPMENT INCLUDING VFD'S, MOTOR STARTERS, ELECTRIC MOTORS AND VACUUM PRODUCERS. PLEASE REFERENCE THE HEAT GENERATION TABLE INCLUDED IN THIS DETAIL TO DETERMINE THE AMOUNT OF HEAT LOAD THAT THE PRODUCER(S) AND STARTING EQUIPMENT WILL GENERATE AND THE CORRESPONDING REQUIRED AIR FLOW OF EXHAUST AND AIR INTAKE TO DISSIPATE THE HEAT GENERATED BY THE VACUTECH EQUIPMENT. IF ADDITIONAL EQUIPMENT IS INSTALLED IN THE EQUIPMENT ROOM (AIR COMPRESSORS, ELECTRICAL PANELS, TUNNEL CONTROLS, ETC.) PLEASE CONSULT YOUR HVAC DESIGN ENGINEER FOR PROPER TEMPERATURE CONTROL DESIGN OF YOUR EQUIPMENT ROOM. OPERATING TEMPERATURES ABOVE 104°F (TYPICAL MAXIMUM ENVIROMENTAL TEMPERATURE FOR ELECTRICAL EQUIPMENT) WILL SHORTEN THE LIFE SPAN OF THE VACUUM EQUIPMENT AND MAY INVALIDATE THE VACUTECH LLC WARRANTY.

THE VACUUM PRODUCER MUST BE EXHAUSTED OUTSIDE WIHT METALLIC PIPE NO SMALLER THAN THE DIAMETER OF THE EXHAUST OUTLET OF THE PRODUCER. THE EXHAUST PIPE OPENING MUST BE PROTECTED FROM ELEMENTS. IF EXHAUST DISTANCE IS GREATER THAN 20 FEET USE ONE PIPE SIZE LARGER AFTER 10 FEET OF RUN (I.E. FOR A 20 FOOT RUN OF 8" EXHAUST, USE 8" FOR FIRST 10 FEET AND 10" FOR REMAININNING 10 FEET OF THE OVERALL 20 FOOT RUN).

1 ENCLOSURE - TYPICAL REQUIREMENTS

VACUTECH

AN **NES** COMPANY

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechilc.com

CLUB CAR WASH

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Kevision	Бу	CIIK	Date	-
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24	1
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY				1
	TEES, ALSO MADE THE POS ARCH 17' APART				-
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25	ŀ
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25	ļ
					1
					ł
					1
					Ī
					- 1

By Chk Data

Pavision

ENCLOSU	IRE DETAIL	
Project Number	1521325	_

Project Number 1521325

Date 8/15/24

Drawn By RY

Checked By TD

DIRECTION OF FLOW DIRECTION OF FLOW 0 0 RESTRICTS AIR FLOW

ALUMINUM SANITARY TEE & ALUMINUM TUBING CONNECTION



PIPE NOTES:

- FIELD VERIFY ALL DIMENSIONS
- SUPPORT SCHEDULE 40 PVC OVERHEAD DRY/WET VACUUM PIPE EVERY 6' MAXIMUM; USE UNISTRUT & CLAMP OR OTHER SUPPORT (PROVIDED BY
- RUN COMPRESSED AIR TO AIR COMPRESSOR LOCATION (BY OTHERS)
- COMPRESSED AIR RECOMMENDED WORKING PRESSURE IS 75PSIG AND 10SCFM AT INTERFACE
- WALL PENETRATION: CORE DRILLING MAY BE REQUIRED FIELD VERIFY
- REFER TO SHEET V721 FOR PIPE ASSEMBLY CUTSHEETS
- ALL FITTINGS TO BE 'DWV'

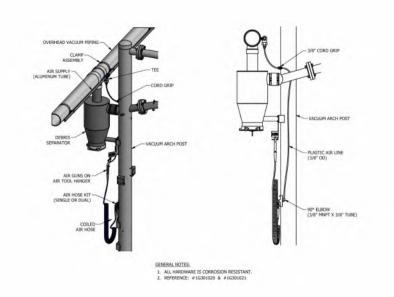
ELECTRICAL CONDUIT (SIZE PER N.E.C.)

FOOTING

ELECTRICAL CONDUIT (SIZE PER N.E.C.)

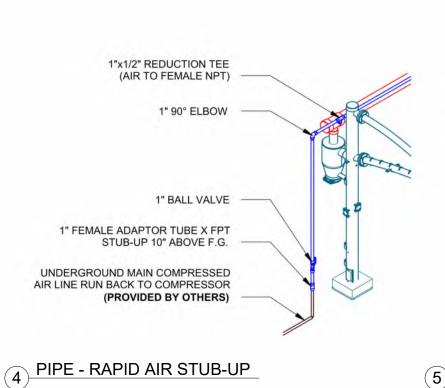
FOOTING

2 PIPE - 6x4 ALUMINUM TEE KIT



3 PIPE - RAPID AIR INSTALLATION

(1) PIPE - PIPE FLOW



TRENCH - CONDUIT STUB-UP

CLUB CAR WASH

1350 HI-TECH DRIVE SHERIDAN, WY 82801 PHONE: (307) 675-1982 EMAIL: vacinfo@ncswash.com WEB: www.vacutechllc.com

AN NES COMPANY

18318 EVANS ST. OMAHA, NEBRASKA 68022

#	Revision	Ву	Chk	Date
1	REVISED DRAWINGS BY ADDING SQUARE TUBE	TD	RY	10/3/24
	TRELLIS AWNINGS AND 6" x 4" ALUMINUM SANITARY			
	TEES, ALSO MADE THE POS ARCH 17' APART			
2	PREPPED FOR ENGINEERING	JC	RY	5/29/25
3	ADDED ENGINEERING SPECIFICATIONS	RY	ML	6/5/25

ELECTRICAL CONDUIT (SIZE PER N.E.C.)

FOOTING

PIPE DETAILS					
Project Number	1521325				
Date	8/15/24	1/721			
Drawn By	RY	V721			
Checked By	TD				

STUB UP TO 10" ABOVE TOP OF FOOTING FOR ELECTRICAL CONDUIT. RUN 2 CONDUITS FOR

A SERIES OF ARCHES WITH LIGHTS

