

Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

#### T-1A - Introduction to the Project Team

Wheels Mechanical Contracting & Supplier, Inc.'s (WM) project team will consist of the following personnel for project #DGS C-210-0004 Phase 1 Revised Rebid (New DNA Facility Pennsylvania State Police – Greensburg, PA):

1. Michael Hartman - Senior Project Manager

- Mr. Hartman oversees all project managers within WM. He brings over 35 years of construction knowledge and experience to the project. All aspects of construction projects have been managed by Mr. Hartman including: General Construction, HVAC Construction, Plumbing Construction, and Electrical Construction. This well-rounded background enables him to see the project from many different perspectives.

#### 2. Albert Chlystek - Project Manager

- Mr. Chlystek oversees most projects within WM. He brings over 25 years of plumbing construction knowledge and experience to the project, not only as a project manager, but also as a licensed Master Plumber. Mr. Chlystek has previously been foreman as well on projects identical to this project. His responsibilities will start from schedule development, continue through the day to day operations of the project, including attending the project meetings, and will commence with final project closeout. In addition, Mr. Chlystek has worked on several previous Department of General Services projects, including currently completing a science lab project for Indiana University of Pennsylvania in Indiana, PA.

#### 3. Donald Goulder – Plumbing Supervisor / Foreman

- Mr. Goulder is a top supervisor/foreman within WM. He brings over 30 years of plumbing construction knowledge and experience to the project. He is also a licensed Master Plumber. Mr. Goulder has been foreman on previous projects similar in nature to this particular project, regarding new construction and renovations to Science & Lab Facilities. He will be the day to day onsite foreman for WM. In addition, Mr. Goulder completed the New Pennsylvania State Police Headquarters in Greensburg, PA. This experience with the Management Team as well as the Pennsylvania State Police will also aid him in the construction of this new DNA Facility.

- 4. William Yeckley Jr. Quick Response Fire Protection Project Manager (Subcontractor)
  - In addition to being one of the owners, Mr. Yeckley Jr. is a key project manager, designer, and estimator with Quick Response Fire Protection. He brings over 35 years of experience in the fire protection industry. In addition, he is also a member of the National Fire Sprinkler Association (NFSA). Mr. Yeckley Jr. has been involved in Laboratory settings for various entities such as industrial, educational, nursing, technical, and many universities and high schools with science and education labs. He will be the project manager for our fire protection subcontract on this project. Along with Wheels Mechanical Contracting, Mr. Yeckley Jr. also is currently completing the new Kopchick Hall (Science Building) for Indiana University of Pennsylvania in Indiana, PA. The experiences WM has had working with Quick Response Fire Protection, as well as Quick Response Fire Protection's experience with the Department of General Services will also aid him in the construction of this new DNA Facility.

We have performed work on several Department of General Services projects over the past 20 years, including:

- 1. Weyandt/Walsh Hall Replacement at Indiana University of PA (Kopchick Hall)
- 2. New Pennsylvania State Police Headquarters Greensburg, PA
- 3. Butler State Police Headquarters
- 4. Greensburg Readiness Center
- 5. Southwestern Veterans' Center
- 6. PENNDOT Maintenance Facility North Bethlehem Township
- 7. District 12-0 Office Sanitary Line Replacement

The brief synopsis of this project includes the following plumbing work:

- 1. Underground plumbing work within the 5-foot building perimeter. This work includes Storm, Sanitary, Lab Waste, Domestic Water, and Fire Protection Service. The underground Sanitary system and the underground Lab Waste system will each include a municipal testing port with a cleanout to grade, so that the system discharges can be properly monitored.
- 2. Aboveground plumbing work within the 5-foot building perimeter. This work includes Storm, Sanitary, Lab Waste, Domestic Water, Tempered Water, Lab Water, Purified Water (reverse osmosis), Natural Gas, and Fire Protection. This will include connections to Lab Sinks, Cup Sinks, Fume Hoods, Emergency Showers & Eyewashes, Deionized Water Units, a Sterilizing Unit, and Humidifiers.
- 3. Specialty Equipment is also required due to the laboratory setting. The equipment includes Tankless Water Heaters, Water Softeners, Carbon Filters, Reverse Osmosis System, Ultra-Violet Purification System, and Interceptors.

- 4. All plumbing related insulation work within the 5-foot building perimeter.
- 5. All sprinkler related work within the 5-foot building perimeter. This work would be performed by Quick Response Fire Protection, Inc. The new DNA Laboratory will have full coverage via a wet and dry sprinkler system. This Laboratory will also be served by a fire pump.

In general, the work will include, but not be limited to: restrooms, evidence storage rooms, mechanical rooms, penthouse, laboratories, break rooms, and offices.

- 1. The penthouse area will house most of our specialty type equipment as listed above. The water heaters serving this Laboratory are broken up into three categories, due to the sensitivity of the Laboratory and the facility in general:
  - Restrooms and Support Systems
  - Laboratories
  - Emergency Equipment
- 2. The laboratories will require connections to specialized equipment as listed above.
  - The laboratory waste piping serving these fixtures is PVDF acid waste piping. This piping is allowed to be used in plenum areas as well.
  - The water serving these fixtures has been treated by the water softeners and the carbon filters, except for the Sterilizer Unit, which requires high purity water.
  - The Sterilizer Unit requires high purity water serving it, as well as the humidifiers.

We have significant experience with Laboratory type projects, as well as, with entities such as the Pennsylvania State Police. Some of the laboratory casework connections and some of the laboratories we have performed work in, including providing fire protection and suppression systems under our contract, are:

- 1. Allegheny County Health Department Clack Campus
  - This project was to construct a BSL-3 Lab. In addition to the equipment and systems required for this DNA Laboratory project, this lab had significant safeguards designed to protect the personnel, the surrounding environment, and the community. There were no windows on the facility, the ventilation system required rooms to be under a negative pressure in which the air was treated before being released into the atmosphere, and a double wall acid waste system with leak detection was required. This also required high purity water, but for almost every lab sink.
- 2. University of Pittsburgh Chevron Tower 13<sup>th</sup> Floor
  - This project was to perform a full interior renovation to create an openplan research laboratory with shared laboratory support spaces, an environmental room, student recitation space, faculty and staff offices, and lobby upgrades to one floor of the Chevron Science Center. In addition to

the equipment and systems required for this DNA Laboratory Project, this lab had significant medical gas requirements for random workstation outlets as well as the fume hoods, laboratory sinks, cup sinks, and emergency equipment.

- 3. Indiana University of Pennsylvania Weyandt/Walsh Hall Replacement
  - This project is ongoing, and we are approximately 90% complete with our contract. This project was to replace Weyandt Hall and Walsh Hall with a new Science Building containing classrooms, offices, teaching and research labs, vivarium, planetarium, and various other support spaces. In addition to the equipment and systems required for this DNA Laboratory Project, this Science Building has significant lab systems including lab air, lab vacuum, lab nitrogen, lab argon, lab helium, lab hydrogen, lab oxygen, lab acetylene, reverse osmosis piping, and plenum rated lab waste. Overhead service panels, fume hoods, safety eyewashes/showers, laboratory sinks, cup sinks, vacuum pumps, lab air compressors, and various other lab equipment was utilized for this project.
- 4. Various High School Biology, Chemistry, and Physics Labs
  - WM has worked in many local high schools providing acid waste systems, connections to fume hoods laboratory sinks, cup sinks, emergency equipment, and manifold systems serving various science labs. The acid waste system has varied from polypropylene to PVDF, depending on the plenum area requirements. In addition, we typically install neutralizing tanks to neutralize the discharges prior to entering the sanitary systems. Some of the School District Labs we have worked in are: West Jefferson Hills, Baldwin Whitehall, Gateway, City of Pittsburgh, Penn Hills, East Allegheny, and North Hills.

Our fire protection subcontractor (Quick Response Fire Protection) also has significant experience in Laboratory type environments. In addition to being our subcontractor for the Indiana University of Pennsylvania Weyandt/Walsh Hall Replacement project (Kopchick Hall), they have also worked with us in other school district laboratories. In addition to work with us, they have also worked in the following lab environments:

- University of Pittsburgh (Johnstown)
- Conemaugh Health System

It is extremely common that it is required to ascertain temporary avenues of utility continuance and/or maintaining walkways and driveways for public use over the duration of a renovation project that we are involved in.

Unfortunately, some projects require a small footprint to be utilized, in which laydown area is limited or non-existent. In these instances, we work with our vendors to "stage" the products that will be required, in which we will limit the arrival of materials to those that will be installed in a short timeframe. This usually doesn't require payment for stored materials, but sometimes for larger items or items in a volatile market, we would utilize payment for stored material, provided the job parameters allow for it.

Over 95% of our work is performed under the multiple contracts format. We are extremely experienced working with other prime contractors to achieve the goal of a successful project. As the schedule is the backbone of the project, we work closely with the lead contractor in charge of developing the schedule, so that a smooth flow of activities can be achieved. We provide tasks, durations, predecessor activities and successor activities, to assist in the schedule development process.

In addition to closely working with other prime contractors in the development of the schedule, we also work closely with them in the development of the coordination drawings. The proper development of the coordination drawings allows for a smoother installation, with less interferences for all prime contractors. In addition, potential issues are recognized earlier, which results in a resolution before an issue could cause a delay in the work installation.

Due to our extensive experience in different laboratory settings in health department buildings, high schools, and universities, we are accustomed to coordinating with lab casework manufacturers and installers. This coordination helps to prevent potential issues at the final installation and trim out phases. By working closely with these entities, we are able to identify a potential discrepancy in the rough-in drawings vs. final intended products. This particularly is beneficial at ADA sinks, ADA fume hoods, and emergency equipment.

Regarding emergency equipment (emergency showers and eyewash stations), although we have previous experience in this life safety equipment, our current project at Kopchick Hall includes significant emergency equipment, in which a dedicated tempered water loop has been utilized. This proposed Greensburg DNA Lab also utilizes a dedicated tempered water loop. We are required to setting proper temperatures for this life safety equipment, and coordination is required to prevent any potential incorrect locations. In addition to all jobsite specific and Department of Labor and Industry requirements, OSHA also requires stringent dimensions to be held.

Occasionally the projects we perform on require us to perform certain work outside of "normal business hours". This is usually for transitions of utility services for existing buildings. In addition, with our Port Authority work, we also understand owner's schedules, which sometimes require off peak hours over a weekend.

We build a project team with our suppliers and subcontractors to provide a professional project delivery in which we take pride in our accomplishments. To this effect, we usually subcontract insulation and fire protection services. We have found our subcontractors in these areas to be specialists in their trade, which we find provides a comfort level with the owners and authorities having jurisdiction on our previous projects.

Please see the attached resumes for Mr. Chlystek and Mr. Goulder, as they will be the key members of the Project Team for Wheels Mechanical.

In addition, please see the attached organizational chart.

### **Albert Chlystek**

1500 North Randolph Dr. ■ Jefferson Hills, PA 15025 ■ (412) 719-9255 ■ al@wheelsmechanical.com

#### Estimator - Project Manager - Plumbing Supervisor

- Master Plumber Allegheny County Health Department Plumbing License Number 3168
- Local 27 Building Trade Journeyman Plumber
- **Estimator** Accurately assesses contract documents to prepare pricing estimates, job cost accounting and tracking. Attended "Estimation, Inc. Computerized Estimation Course" (2000).
- Project Manager Oversee the construction project from its infancy to its closeout. This includes items such as
  developing project schedules, contract cost breakdown for billing, negotiating purchase orders and subcontracts,
  attending project meetings, solving potential problems, maintain job records, assist the project staff as needed, and
  perform closeout procedures.
- Plumbing Supervisor Lead craftsman on numerous utility projects including the installation, maintenance, and repair of storm, sanitary, acid waste, domestic water, natural gas, compressed air, fixtures, plumbing specialties, and water heating equipment. Experienced in residential and commercial plumbing.
- Safety Supervisor on numerous projects, including conducting and providing materials for "Tool Box Talks" Safety Meetings.
- Over \$85,000,000.00 of work experience in the Plumbing, Electrical, and Mechanical Construction Industry

#### **Work Experience**

Wheels Mechanical Contracting Elrama, PA 15038

February 2002 – Current

Pleasant Hills Construction Company Pittsburgh, PA 15236 October 1995 - February 2002

#### **Project Type / Owner Listing**

Department of General Services - State Police Barracks, PENNDOT Maintenance Facilities, Veterans Centers

Pittsburgh Public Schools - High Schools, Middle Schools, Elementary Schools

University of Pittsburgh - Science Labs and Library

Community College of Allegheny County - Physical Education Building and Art Building

Municipality Building Work - Penn Hills and Ross Township

Elementary, Middle, and High Schools – West Jefferson Hills, Allegheny Valley, Carmichaels, Fox Chapel, West Allegheny, Ringgold, McKeesport, West Greene, Connellsville, Propel, Montour, Charleroi, Penn Hills, Wilkinsburg, East Allegheny, Chartiers Valley, Peters Township, Butler Area, North Hills, Baldwin/Whitehall, Gateway, Ambridge, Norwin, Somerset, South Allegheny, Somerset, Forest Hills, Mt. Pleasant, Hopewell, New Kensington/Arnold.

Housing Authorities - Allegheny County, City of Pittsburgh, McKeesport, Fayette, Armstrong, Greene County

Port Authority of Allegheny County - East Liberty, Ross, Manchester, Collier, West Mifflin, Harmar

Kane Hospital - Scott Twp. and Glen Hazel

Allegheny County - North Park and Clack Laboratory

#### DONALD J. GOULDER

501 Nantucket Drive, Pittsburgh, PA 15236 (412) 719-9257

- Master Plumber Allegheny County Health Department Plumbing License Number 1748
- Local 27 Building Trade Journeyman Plumber
- Plumbing Supervisor Lead craftsman on numerous utility projects including the installation, maintenance and repair of water mains, sewer mains, residential and commercial plumbing, fire hydrants and fire suppression systems. Experience in underground and above ground piping and rough-ins for new construction. Experience also includes cast iron, ductile pipe, installation of copper, gas piping, and Science Labs including medical gas, fume hoods, manifolds, etc. Supervision and training of apprentices.
- Safety Supervisor Conduct safety meetings and provide materials for "Tool Box" safety meetings.

#### **WORK EXPERIENCE:**

June, 2002 – Present Wheels Mechanical Contracting & Supplier, Inc.

Elrama, PA 15038

November, 1993 – Pleasant Hills Construction Company, Inc.

June, 2002 Pittsburgh, PA 15236

#### PROJECTS/FIELD SUPERVISOR/SAFETY SUPERVISOR:

Greensburg Police Headquarters - \$882,760 – 2020

Propel Braddock Hills HS – Science Room Buildout - \$105,300 – 2020

Propel Montour HS – Science Room Buildout - \$114,300 – 2020

Pittsburgh Public Schools – Schiller Restrooms - \$175,000 – 2019

Pittsburgh Public Schools – Pool Filtration Repairs - \$394,300 – 2019

Pittsburgh Public Schools – Linden Restrooms - \$144,700 – 2019

Port Authority of Allegheny Cty - Wash Rack Replacement - \$191,100 - 2019

Thomas Jefferson High School - \$3,810,620 - 2016 - 2019

Carmichaels Elementary - \$567,380 - 2016

Carmichaels High School - \$1,443,307 - 2015

White Oak Community Center - \$52,200 - 2015

University of Pittsburgh Chevron - \$663,888 - 2015

Propel School – Northside - \$284,500 – 2015

Andrew Carnegie Apartments - \$392,642 - 2014

Port Authority - Tower Demo - \$365,000 - 2014

Ringgold High School - \$169,934 - 2014

Weiss Meats Storage Building - \$487,408 – 2014

Connellsville Jr. High West - \$136,746 - 2013

Propel School - \$113,163 - 2013

Schiller School - \$153,000 - 2013

West Greene Elementary School - \$618,655 - 2013

Numerous other projects

## Michael Hartman Senior Project Manager

Albert Chlystek Project Manager

Donald Goulder Project Foreman



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T-1B – Qualifications, Experience, and Past Performance

## APPENDIX F

# PRIME CONTRACTOR QUALIFICATION STATEMENT

#### APPENDIX F

## PRIME CONTRACTOR QUALIFICATION STATEMENT

#### **COVER SHEET**

DGS Project Name New DNA Facility Pennsylvania State Police - Greensburg, PA
DGS Project Number C-0210-0004 Phase 1 Revised Rebid
Check One:
X Corporation,
Partnership,
Individual,
Joint Venture,
Other
Name of Firm Wheels Mechanical Contracting & Supplier, Inc.
Address_1473 Route 837, P.O. Box 600, Elrama, PA 15038-0600
Principal Office 1473 Route 837, P.O. Box 600, Elrama, PA 15038-0600
Owner or Authorized Representative, Noreen F. Hartman, President

#### **SECTION 1 – INFORMATION ON FIRM**

1	Ba	ckground Information
	a)	How many years has the firm been in business? 21 Years
	b)	How many years has the firm been doing business in proposed contract field? 21 Years
		Under what former names has the firm conducted business?
		N/A
	c)	Provide an <u>Attachment 1</u> to this Qualifications Statement identifying all jurisdictions in which the firm is licensed or otherwise qualified to do business. List and provide copies of any business or trade licenses, certificates or registrations (to the extent that they apply to the Contract Work) held by the firm.
	d)	If the firm is a corporation, provide the following information:  Date of incorporation February 2002  State of incorporation Pennsylvania  President's name Noreen F. Hartman  Vice President's name(s)  Secretary's name Noreen F. Hartman  Treasurer's name
	e)	If the firm is a partnership, provide the following information:  Date of formationN/A  Type of partnership  Names of partners
	f)	If the firm is individually owned, provide the following information:  Date of formationN/A  Name of owner
	g)	If the form of the firm is other than those listed above, describe it and name the principals:  N/A

#### **SECTION 2 - EXPERIENCE AND PERFORMANCE**

#### 2.1 General

a) Provide the annual construction volume in dollars completed by the firm in the past three years:

Year 2022 \$ 8,801,807 Year 2021 \$ 3,957,952 Year 2020 \$ 3,441,809

- b) Identify the percentage of work on similar projects the firm typically performs with its own work force 85
- c) List the categories of work that the firm normally performs with its own forces on similar projects. Plumbing, Site Plumbing, and Electrical

#### 2.2 Project Experience and References

Submit as Attachment 2 to this Qualifications Statement:

- a) Suggested number of Sheets/Pages:
  - 3 sheets/(6 pages)

Three (3) detailed project descriptions for relevant projects that are similar in size and scope to the Contract Work. The project descriptions shall include, at a minimum, the following information presented in the order listed below:

- i. Name of project, type of project and location
- ii. Description of the project and relevance of work to the Contract Work
- iii. Contact information for an owner representative familiar with the firm's work performed on this project. Include name, address, telephone number(s) and email address.
- iv. The original bid/proposal price and the final contract price. If the project is ongoing, project the final price and relation to proposal price. Contract value for which the firm was/is responsible.
- v. The original date for project completion and the actual completion date. If the project is ongoing, project the completion date and relation to original schedule.
- vi. As available, performance ratings of the work evaluated by owner or owner's representative.

#### 2.3 Contractor Safety Record

Submit as <u>Attachment 3</u> to this Qualifications Statement the information specified herein and verify this information by providing copies of OSHA 300/200 Forms or appropriate documentation from insurance carriers, as applicable. The firm may submit written explanations to comment on or clarify its safety record.

a) Provide the firm's Workers Compensation Experience Modification Rating for the past three years, beginning with the most recent year available:

Year 1:	2022	0.829
Year 2:	2021	0.818

		Year 3: <u>2020</u> <u>0.940</u>
	b)	Provide the firm's Total Lost Workday Incidence Rate (LWDIR) for the past three years, beginning with the most recent year available:
		Year 1:
		Year 2: See attached
		Year 3:
		*LWDIR Rate = Number of Lost Time Injuries & Illnesses $\times$ 200,000 ÷ Total Hours Worked
	c)	Provide the firm's Recordable Incidence Rate (RIR) for the past three years:
		Year 1:
		Year 2: N/A
		Year 3:
		*RIR Rate = Number of Injuries x 200,000 ÷ Total Hours Worked
	d)	Provide in an <u>Attachment 4</u> to this Qualifications Statement a list of any health or safety citations issued by federal or state agencies for serious or willful violations issued in the past 3 years. Include a separate statement for any such violations and include the citation number, a brief description of the violation and the amount of penalty, if any, for each violation and current status of violation. N/A
		SECTION 3 - REQUIRED DISCLOSURES
quest Quali detail	tion is ficatio s cor	s answered in the affirmative, the firm shall submit in an <u>Attachment 5</u> to this ns Statement, for each affirmative answer, a written explanation which shall provide accrning the matter in question, including applicable dates, locations, names of
3.1		
	Yes_	No <u>_X</u>
3.2	penalty, if any, for each violation and current status of violation. N/A	
	Yes_	No <u>_X</u> _
3.3	respo	onsible, or otherwise declared ineligible to submit bids or proposals for work by any
	Yes_	No <u>_X</u>
3.4		he firm defaulted, been terminated for cause or otherwise failed to complete any ct that it was awarded?
	Yes_	No <u>X</u>
3.5		he firm been assessed or required to pay liquidated damages in connection with work rmed on any project?

	Yes No <u>X</u>
3.6	Has the firm had any business or professional license, registration, certificate or certification suspended or revoked?
	Yes No _X
3.7	Have any liens been filed against the firm as a result of its failure to pay subcontractors, suppliers, or workers?
	Yes No _X_
3.8	Has the firm been denied bonding or insurance coverage or been discontinued by a surety or insurance company?
	Yes No <u>X</u>
3.9	Has the firm been found in violation of any laws, including but not limited to contracting or antitrust laws, tax or licensing laws, labor or employment laws or environmental laws by a final decision of a court or government agency?
	Yes No <u>X</u>
	*Note: information regarding health and safety violations is addressed in a previous section
3.10	Has the firm or its owners, officers, directors or managers been the subject of any criminal indictment or criminal investigation concerning any aspect of the firm's business?
	Yes No _X
3.11	Has the firm been the subject to any bankruptcy proceeding?
	Yes No _X

#### **SECTION 4 - REQUIRED REPRESENTATIONS**

In submitting this Qualifications Statement, along with the representations and authorizations listed on the Proposal Signature page and in the RFP, the firm also makes the following representations, which it understands are required as a condition of performing the Contract Work and receiving payment for same.

- 4.1 The firm will possess all applicable professional, business and trade licenses required for performing the Contract Work.
- 4.2 The firm satisfies all bonding and insurance requirements as stipulated in the solicitation for the Contract Work.
- 4.3 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with the Commonwealth's requirements for workers' compensation insurance according to all applicable laws, and unemployment insurance according to all applicable laws.
- 4.4 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with all requirements of the Commonwealth's prevailing wage law and Public Works Employment Verification Act.
- 4.5 If awarded the Contract Work, the firm represents that it will not exceed its current bonding limitations when the Contract Work is combined with the total aggregate amount of all unfinished work for which the Contractor is responsible.

- 4.6 The firm represents that it has no conflicts of interests with the Commonwealth of Pennsylvania and, if awarded the Contract Work, any potential conflicts of interest that may arise in the future will be disclosed immediately to the Department of General Services.
- 4.7 The firm represents the price offered in connection with its proposal for the Contract Work was arrived at independently without consultation, communication or agreement with any other Proposer or competitor.
- 4.8 The firm will ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.



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T-1B – Qualifications, Experience, and Past Performance

**Attachment 1** 

Please find attached your Home Improvement Contractor's Certificate suitable for framing along with a wallet card copy.

If you have any questions or have changes to the information you provided on your registration form, contact the Pennsylvania Office of Attorney General at 717-772-2425 or HIC@attorneygeneral.gov. For further information on the home improvement law visit www.attorneygeneral.gov.

osh Shapiro, Pennsylvania Attorney General

COMMONWEALTH OF PENNSYLVANIA

OFFICE OF ATTORNEY GENERAL

THIS IS TO CERTIFY THAT

THIS IS TO CERTIFY THAT

1473 ROUTE 837

ELRAMA PA 15038-0600

ELRAMA PA 15038-0600

2/15/2024

PA000239

VALE 1878

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MICHAEL A HARTMAN PO BOX 600 ELRAMA PA 15038-0600 This form acknowledges receipt of your \$50.00 application fee, required under Pennsylvania's Home Improvement Consumer Protection Act. Please keep this form for your records.



WHEELS MECHANICAL CONTRACTING & SUPPLIER, INC. 1473 ROUTE 837 ELRAMA PA 15038-0600

HAS REGISTERED IN PENNSYLVANIA AS A HOME IMPROVEMENT CONTRACTOR

2/15/2024 VALID UNTIL PA000239
REGISTRATION NUMBER

Moreen 7. Hartman

SIGNATURE OF REGISTRATION CERTIFICATE HOLDER

JOSH SHAPIRO, PENNSYI VANIA ATTORNEY GENERAL



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**Attachment 2** 



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#### Relevant Project #1

## University of Pittsburgh Chevron Science Building 13<sup>th</sup> Floor Laboratory Renovations

- i. Chevron Science Center 219 Parkman Avenue Pittsburgh, PA 15260
- ii. This project was to perform a full interior renovation to create an open-plan research laboratory with shared laboratory support spaces, an environmental room, student recitation space, faculty and staff offices, and lobby upgrades to the thirteenth floor of the Chevron Science Building. This laboratory had the following systems: storm, sanitary, acid waste, domestic water, purified water, natural gas, medical gas, medical gas manifolds, workstations, lab sinks, cup sinks, fume hoods, and emergency equipment.

This project also required insulation and fire protection subcontractors.

This was a plumbing contract.

iii. David Klimchock 3400 Forbes Ave. Pittsburgh, PA 15260 412-383-4831 dk1@pitt.edu

iv. Bid Price \$ 592,600.00 Final Price \$ 712.632.89

The increased cost was due to owner's request to relocate existing to remain utilities, owner's request for rough-ins anticipated for future fixtures, owner's request for additional sprinkler heads, and extended general conditions, due to a later completion date, through no fault of Wheels Mechanical. The main reason for the extended date was due to the general contractor's laboratory casework manufacturer closing down their business.

v. Original Completion Date December 2014 Actual Completion Date August 2015

vi. Not available



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#### **Relevant Project #2**

#### Indiana University of Pennsylvania Weyandt / Walsh Hall Replacement

- New Kopchick Hall 965 Oakland Avenue Indiana, PA 15705
- ii. This project is to construct a new science lab building to replace Weyandt and Walsh Halls. The building will contain classrooms, offices, teaching labs, research labs, vivarium, planetarium, and various other support spaces. This science building will include laboratories containing lab air, lab vacuum, nitrogen, argon, helium, hydrogen, oxygen, acetylene, reverse osmosis, and lab waste systems. The equipment includes overhead service panels, fume hoods, emergency eyewashes, emergency showers, lab sinks, cup sinks, vacuum pumps, lab air compressors, and various other lab equipment.

This project also required insulation and fire protection subcontractors.

This was a plumbing contract.

iii. Mr. Mitchell Peffer 1011 South Drive Indiana, PA 15705 724-422-9594 Mitchell.Peffer@iup.edu

iv. Bid Price \$ 6,879,000.00

Final Price \$ 6,912,586.39 (current projected)

The increased cost was due to owner's request to add an additional eyewash, snorkel vacuum piping, and connections to additional equipment.

v. Original Completion Date March 2024 Actual Completion Date July 2024 (current projected)

vi. Not available



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#### **Relevant Project #3**

## Allegheny County Health Department Clack Campus BSL-3 Laboratory

- ACHD Clack BSL-3 Laboratory 3901 Penn Ave. Pittsburgh, PA 15224
- ii. This project was to construct a new BSL-3 Lab for the Allegheny County Health Department. This laboratory had significant safeguards designed to protect personnel, the surrounding environment, and the community, due to the nature of the testing and experiments that would be performed here. This laboratory had the following systems: storm, sanitary, double wall acid waste with leak detection, domestic water, purified water, natural gas, medical gas, workstations, lab sinks, cup sinks, fume hoods, and emergency equipment.

This project also required insulation and fire protection subcontractors.

This was a plumbing contract.

iii. Thomas Ruffing
3901 Penn Ave., Building #5
Pittsburgh, PA 15224
412-578-8397
truffing@achd.net

iv. Bid Price \$ 464,700.00 Final Price \$ 894,803.88

The increased cost was due to owner's request to repair site sanitary piping and site gas piping beyond the contract limits, owner's request for a double wall acid waste system with leak detection and kill tank, owner's request to provide a new water meter vault, and owner's request to install a new fire protection service line.

v. Original Completion Date September 2007 Actual Completion Date October 2007

vi. Not available



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

T-1B – Qualifications, Experience, and Past Performance

Attachment 3



#### PA EXPERIENCE RATING MODIFICATION

File Number:

3083275

County:

Washington County

**Data History:** 

0.829

Mailing Address:

1473 Route 837, P.O. Box 600

Location:

1

Elrama PA 15038

Issue Date:

12/02/2021

**Effective Term:** 

03/01/2022 - 03/01/2023

**Employer Name:** 

Wheels Mechanical Contracting & Supplier, Inc

Class Code:

0663

Data History	Effective Date
0.829	03/01/2022
0.818	03/01/2021
0.940	03/01/2020
0.952	03/01/2019

#### OSHA's Form 300 (Rev. 01/2004)

### Log of Work-Related Injuries and Illnesses

You must record information about every work-related death and about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer,

days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health

care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR Part 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an Injury and Illness Incident Report (OSHA Form 301) or equivalent form for each injury or illness recorded on this

**Attention:** This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.



U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

Wheels Mechanical Contracting

Establishment name & Supplier, Inc.

			DΛ	

form. If	ou're not sure whether a case	is recordable, call your i	local OSHA office f	or help.						City	III			ato		
Iden	tify the person		Describe t	he case			sify the c									
(A) (B) Case Employee's name		(C) Job title	(D)  Date of injury	(E)	(F) Describe injury or illness, parts of body affected,		on the mos	E box for eac t serious ou		Enter the number of days the injured or ill worker was:		f Check the "Injury" column o choose one type of illness:				
no.		(e.g., Welder) or onset (e.g., Loading dock north end) and object/substance that directly injured		or made person ill (e.g., Second degree burns on			Remain	ed at Work	Away	On job	(M)	sorder	tory	Su -	seol g	
					right forearm from acetylene torch)	Death	Days away from work	Job transfer or restriction		from work	transfer or restriction	Injury	Skin di	Respira	Poisoni	Meanu All oth illnesse
					N/A	(G)	(H)	(1)	(J)	(K)	(L)	(1)	(2)			5) (6)
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the instru	porting burden for this collection of actions, search and gather the data n ad to the collection of information un	eeded, and complete and re	view the collection of	information. Persons are not require				, 3-1,	,,			Inju	osip ui	condi	Poiso	earing loss All other illnesses
about the	id to the collection of information un se estimates or any other aspects of t Room N-3644, 200 Constitution Ave	this data collection, contact:	US Department of La	bor, OSHA Office of Statistical						Page of	2	(1)	중 (2)	(3)	(4) (5	= 5) (6)

#### OSHA's Form 300A (Rev. 01/2004)



## Summary of Work-Related Injuries and Illnesses

Form approved OMP no. 1919 0176

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0."

Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Number of C	ases		
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0_	0	0
(G)	(H)	(1)	(J)
Number of L	Days		
Total number of da from work		otal number of days of job ransfer or restriction	
(K)		(L)	
Injury and II	lness Types		
Total number of	•		
) Injuries		(4) Poisonings	
		(5) Hearing loss	
) Skin disorders		(6) All other illnesse	es
Respiratory condit	ions		

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 58 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistical Analysis, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment information
Your establishment name Wheels Mechanical Contracting & Supplier, Inc.
Street 1473 Route 837, P.O. Box 600
City <u>Elrama</u> State <u>PA</u> ZIP <u>15038-0</u> 600
Industry description (e.g., Manufacture of motor truck trailers)
Plumbing Construction
Standard Industrial Classification (SIC), if known (e.g., 3715)
OR
North American Industrial Classification (NAICS), if known (e.g., 336212)
<b>Employment information</b> (If you don't have these figures, see the Worksheet on the back of this page to estimate.)
Annual average number of employees
Total hours worked by all employees last year
Sign here
Knowingly falsifying this document may result in a fine.
I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.  Notes of Markov President  Company carecuse  (412) 405-9760
Phone

#### OSHA's Form 300 (Rev. 01/2004)

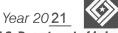
### Log of Work-Related Injuries and Illnesses

You must record information about every work-related death and about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer,

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**Attention:** This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.



U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

Wheels Mechanical Contracting

Establishment name & Supplier, Inc.

City	Elrama	State	PA	

form. If y	rou're not sure whether a case	is recordable, call your	local OSHA office fo	or help.						City	II ama		ડાય	E 17	,	
Identify the person		Describe t	he case			sify the c										
(A) Case	(B) Employee's name	(C) Job title	(D)  Date of injury	(E) Where the event occurred	(F) Describe injury or illness, parts of body affected,	based	CHECK ONLY ONE box for each case based on the most serious outcome for that case:			days th	he number of e injured or er was:			"Injury" type o		
no.		(e.g., Welder)	or onset of illness	(e.g., Loading dock north end)	and object/substance that directly injured or made person ill (e.g., Second degree burns on right forearm from acetylene torch)		Remained at Work		Away	On job	(M)	disorder	irion	ing loss	ther	
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			/		N/A	(G)	(H)	(1)	(J)	(K) day:	(L) days	(1)		(3) (4		(6)
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			month/day			_ 0				days	days					
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about the	d to the collection of information us se estimates or any other aspects of	this data collection, contact:	US Department of Lal	bor, OSHA Office of Statistical						Page of	2	(1)	S	3) (4	ĭ	
Analysis,	Room N-3644, 200 Constitution Ave	enue, NW, Washington, DC	20210. Do not send the	e completed forms to this office.								(.)	(-)	-/ (	(0)	(5)

#### OSHA's Form 300A (Rev. 01/2004)



## **Summary of Work-Related Injuries and Illnesses**

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write \*0.\*

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Number of C	ases		
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0_	0	0
(G)	(H)	(1)	(J)
Number of E	)ays		
Total number of da from work	, ,	otal number of days of job ansfer or restriction	
(K)	<del>-</del>	(L)	
Injury and II	Iness Types		
Total number of			
) Injuries	T	(4) Poisonings	
		(5) Hearing loss	
) Skin disorders		(6) All other illnesse	es
Respiratory condit	ions		

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rour est	ablishment name Wheels Mechanical Contracting & Supplier,
Street	1473 Route 837, P.O. Box 600
City	EIrama State _PA ZIP _15038-06
Industry	description (e.g., Manufacture of motor truck trailers)
	Plumbing Construction
Standard	Industrial Classification (SIC), if known (e.g., 3715)
OR	
North A	merican Industrial Classification (NAICS), if known (e.g., 336212)
01411 /1	
Emplo	<b>Dyment information</b> (If you don't have these figures, see the
Workshee	t on the back of this page to estimate.)
Annual a	verage number of employees
Total ho	urs worked by all employees last year
Sign h	ere
Knowi	ngly falsifying this document may result in a fine.
	that I have examined this document and that to the best of m
knowled	dge the entries are true, accurate, and complete.
Company	reen 7 Hartman President
( 412)	405-9760-

#### OSHA's Form 300 (Rev. 01/2004)

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Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

Wheels Mechanical Contracting Establishment name & Supplier, Inc.

City Elrama State PA

Ideni	tify the person		Describe t	he case		Classify the case										
(A) (B) (C) Case Employee's name Job title		(D) (E)  Date of injury Where the event occurred	(F) Describe injury or illness, parts of body affected,	CHECK ONLY ONE box for each case based on the most serious outcome for that case:			Enter the number of days the injured or ill worker was:		Check the "Injury" column or choose one type of illness:							
no.		(e.g., Welder)	or onset of illness	(e.g., Loading dock north end)	and object/substance that directly injured or made person ill (e.g., Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remaine Job transfer or restriction	Other recordable cases	Away from work	On job transfer or restriction	Injury (M)	Skin disorder	Respiratory	Poissoning	Plearing toss All other illnesses
					N/A	(G)	(H)	(1)	(J)	(K) days	(L)	(1)	(2)	(3)	(4) (5	5) (6)
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the instru	porting burden for this collection of actions, search and gather the data no	eeded, and complete and re	eview the collection of	information. Persons are not require	Be sure to transfer	these totals t	o the Summary	page (Form 30	OA) before you po	ost it.		Injury	n disorder	condition	Poisoning	earing loss All other
about the	d to the collection of information un se estimates or any other aspects of t Room N-3644, 200 Constitution Ave	his data collection, contact:	US Department of La	bor, OSHA Office of Statistical						Page of	2	(1)	(2)	(3)		五 5) (6)

#### OSHA's Form 300A (Rev. 01/2004)



U.S. Department of Labor

Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

## Summary of Work-Related Injuries and Illnesses

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(G)	(H)	<u>O</u> (I)	(J)
Number of D	ays		
Total number of da from work		Total number of days of job transfer or restriction	
(K)		(L)	
Injury and II	Iness Types		
Total number of			
Injuries		(4) Poisonings	
		(5) Hearing loss	
Skin disorders		(6) All other illnesse	s
Respiratory conditi	ons		

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Estab	olishment information	
Your esta	tablishment name Wheels Mechanical Co	ontracting & Supplier, Inc.
Street	1473 Route 837, P.O. Box 600	
City	State	PA ZIP <u>15038-0</u> 600
Industry	description (e.g., Manufacture of motor truck train	·
	Plumbing Construction	
Standard	d Industrial Classification (SIC), if known (e.g	., 3715)
OR		
North A	American Industrial Classification (NAICS), if	f known (e.g., 336212)
	et on the back of this page to estimate.)  average number of employees	
Total hou	ours worked by all employees last year	
Sign h	here	
Knowin	ngly falsifying this document may re	sult in a fine.
,	that I have examined this document and dge the entries are true, accurate, and co	
Mor Company o	reen 7 Hartman	President
( 412) Phone	405-9760	1-24-202 }



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

T-1B – Qualifications, Experience, and Past Performance

**Attachment 4** 



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

February 24, 2023

To Whom It May Concern:

This is to certify that Wheels Mechanical Contracting & Supplier, Inc. has not received any Safety or Health Violations issued by any Federal or State Agencies in the past three (3) years.

Sincerely,

Moreen 7 Hartman
Noreen F. Hartman

President



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

# T-1B – Qualifications, Experience, and Past Performance Attachment 5

N/A



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

T-1C – Designated Critical Work: Qualifications, Experience, and Past Performance

## APPENDIX G

## DESIGNATED CRITICAL WORK QUALIFICATIONS STATEMENT

## APPENDIX G DESIGNATED CRITICAL WORK QUALIFICATIONS STATEMENT

#### **COVER SHEET**

DGS Project Name_New DNA Facility Pennsylvania State Police - Greensburg, PA (Rebid)
DGS Project NumberC-0210-0004 Phase 1 Revised Rebid
DESIGNATED CRITICAL WORK: For proper evaluation, the Proposer MUST submit at least one "Designated Critical Work Qualification Statement" for each Work item listed in T-1C for the respective contract. NOTE: The selected Proposer shall enter subcontracts with each listed subcontractor in T-1C.
Check One Work item for which this Qualification Statement is being submitted:
General Construction (.1 contract) Laboratory Casework Exterior Metal Wall Cladding
Air Vapor Barrier Installation
HVAC Construction (.2 contract)  Testing, Adjusting and Balancing (including fume hood & biological safety cabinet certifications)
Plumbing Construction (.3 contract)  X Fire Protection Systems
Electrical Construction (.4 contract) Fire AlarmSecurity/Access Control SystemsIT InfrastructureWhole Building Emergency GeneratorAudio Visual
Name of FirmQuick Response Fire Protection Systems, Inc.
Address 235 Bridge Street, P. O. Box 684, Hastings, PA 16646
Principal Office 235 Bridge Street, Hastings, PA 16646
Owner or Authorized Representative William D. Yeckley Jr Vice President

# SECTION 1 - FIRM INFORMATION

.1	Bad	ckground Information
	a)	How many years has the firm been in business?27
	b)	How many years has the firm been doing business in proposed contract field?
		Under what former names has the firm conducted business?  N/A
	c)	Identify all jurisdictions in which the firm is licensed or otherwise qualified to do business.  Pennsylvania
	d)	If the firm is a corporation, provide the following information:  Date of incorporation March 20, 1995
		State of incorporation Pennsylvania
		President's name_ Regis J. Thomas Sr.
		Vice President's name(s) William D. Yeckley Jr.
		Secretary's name William D. Yeckley Jr.
		Treasurer's nameWilliam D. Yeckley Jr.
	e)	If the firm is a partnership, provide the following information:  Date of formation
		Type of partnershipN/A
		Names of partners
	f)	If the firm is individually owned, provide the following information:
		Date of formation N/A
		Name of owner
	g)	If the form of the firm is other than those listed above, describe it and name the principals:
		N/A

### **SECTION 2 - EXPERIENCE AND PERFORMANCE**

#### 2.1 General

a) Provide the annual construction volume in dollars completed by the firm in the past three years:

Year 2022 \$ 2,280,858.00 Year 2021 \$ 3,101,122.00 Year 2020 \$ 1,192,467.00

- b) Identify the percentage of work on similar projects the firm typically performs with its own work force \_\_100\_
- List the categories of work that the firm normally performs with its own forces on similar projects.
   Fire Sprinkler Design & Installation

#### 2.2 Project Experience and References

Submit as Attachment 1 to this Qualifications Statement:

- a) Suggested number of Sheets/Pages:
  - 3 sheets/(6 pages)

Three (3) detailed project descriptions for relevant projects similar in size and scope to the Contract Work. The project descriptions shall include, at a minimum, the following information presented in the order listed below:

- vii. Name of project, type of project and location
- viii. Description of the project and relevance of work to the Contract Work
- ix. Contact information for an owner representative familiar with the firm's work performed on this project. Include name, address, telephone number(s) and email address.
- x. The original bid/proposal price and the final contract price. If the project is ongoing, project the final price and relation to proposal price. Contract value for which the firm was/is responsible.
- xi. The original date for project completion and the actual completion date. If the project is ongoing, project the completion date and relation to original schedule.
- xii. As available, performance ratings of the work evaluated by owner or owner's representative.

#### 2.3 Contractor Safety Record

Submit as <u>Attachment 2</u> to this Qualifications Statement the information specified herein and verify this information by providing copies of OSHA 300/200 Forms or appropriate documentation from insurance carriers, as applicable. The firm may submit written explanations to comment on or clarify its safety record.

a) Provide the firm's Workers Compensation Experience Modification Rating for the past three years, beginning with the most recent year available:

Year 1: 2022 .856 Year 2: 2021 1.077

		Year 3:	2020	1.068	
	b)			t Workday Incidence Rate (LWDIR) for the past the ost recent year available:	ree
		Year 1:	2022	0	
		Year 2:	2021	0	
		Year 3:	2020	0	
		*LWDIR Hours V		er of Lost Time Injuries & Illnesses x 200,000	÷ Total
	c)	Provide the	firm's Recordat	le Incidence Rate (RIR) for the past three years:	
		Year 1:	2022	0	
		Year 2:	2021	0	
		Year 3:	2020	0	
		*RIR R	ate = Number o	f Injuries x 200,000 ÷ Total Hours Worked	
	d)	safety citation issued in the include the	ons issued by fe e past 3 years. citation number	B to this Qualifications Statement a list of any healt deral or state agencies for serious or willful violation linclude a separate statement for any such violation a brief description of the violation and the amount ation and current status of violation.	ons ons and
The	firm s			REQUIRED DISCLOSURES  uestions with regard to the past three (3) years	s. If anv
ques Qual detai	tion is ificatio Is cor	s answered ons Statemen ocerning the	in the affirmat it, for each affir matter in que	ve, the firm shall submit in an Attachment 5 mative answer, a written explanation which shall estion, including applicable dates, locations, natus of any such matter.	to this provide
3.1			y debarred or s agency or priva	uspended from doing business with any federal, st e entity?	ate or
	Yes_	No <u>X</u>			
3.2			been debarred on tagency or pri	or suspended from doing business with any federa vate entity?	ıl, state
	Yes_	No <u>X</u>			
3.3				n been otherwise prohibited from doing business wagency or private entity?	vith any
	Yes	No <u>X</u>			
3.4	respo	onsible, or oth	nerwise declare	fication (not including short listing), declared non- dineligible to submit bids or proposals for work by agency or private entity?	
	Yes	No <u>X</u>			
3.5		the firm defau ct that it was		inated for cause or otherwise failed to complete ar	ny

2020

1.068

	Yes No <u>X</u>
3.6	Has the firm been assessed or required to pay liquidated damages in connection with work performed on any project?
	Yes No <u>X</u>
3.7	Has the firm had any business or professional license, registration, certificate or certification suspended or revoked?
	Yes No <u>X</u>
3.8	Have any liens been filed against the firm as a result of its failure to pay subcontractors, suppliers, or workers?
	Yes No <u>X</u>
3.9	Has the firm been denied bonding or insurance coverage or been discontinued by a surety or insurance company?
	Yes No <u>X</u>
3.10	Has the firm been found in violation of any laws, including but not limited to contracting or antitrust laws, tax or licensing laws, labor or employment laws or environmental laws by a final decision of a court or government agency?
	Yes No <u>X</u>
	*Note: information regarding health and safety violations is addressed in a previous section
3.11	Has the firm or its owners, officers, directors or managers been the subject of any criminal indictment or criminal investigation concerning any aspect of the firm's business?
	Yes No <u>X</u>
3.12	Has the firm been the subject to any bankruptcy proceeding?
	Yes No _X_

### **SECTION 4 - REQUIRED REPRESENTATIONS**

In submitting this Qualifications Statement, along with the other representations and authorizations listed in the RFP, the firm also makes the following representations, which it understands are required as a condition of performing the Contract Work and receiving payment for same.

- 4.1 The firm will possess all applicable professional, business and trade licenses required for performing the Contract Work.
- 4.2 The firm satisfies all bonding and insurance requirements as stipulated in the solicitation for the Contract Work.
- 4.3 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with the Commonwealth's requirements for workers' compensation insurance according to all applicable laws, and unemployment insurance according to all applicable laws.

- 4.4 The firm and all subcontractors it employs in execution of the Contract Work shall be in full compliance with all requirements of the Commonwealth's prevailing wage law and Public Works Employment Verification Act.
- 4.5 If awarded the Contract Work, the firm represents that it will not exceed its current bonding limitations when the Contract Work is combined with the total aggregate amount of all unfinished work for which the Contractor is responsible.
- 4.6 The firm represents that it has no conflicts of interests with the Commonwealth of Pennsylvania and, if awarded the Contract Work, any potential conflicts of interest that may arise in the future will be disclosed immediately to the Department of General Services.
- 4.7 The firm represents the price offered in connection with its proposal for the Contract Work was arrived at independently without consultation, communication or agreement with any other Proposer or competitor.
- 4.8 The firm will ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

# Project No. DGS 210-4 Construction of New DNA Facility Pennsylvania State Police

Greensburg, Westmoreland County Pa.

Attachment #1
3 Similar Projects
Employee Qualifications.

**Quick Response Fire Protection Systems, Inc.** 

235 Bridge Street, P.O. Box 684

Hastings, PA 16646

(814) 247-8050

quickresponse@verizon.net

PROJECTS COMPLETED BY QUICK RESPONSE FIRE PROTECTION SYSTEMS, INC. SIMILARY IN SCOPE OF WORK TO PA STATE POLICE DNA LAB GREENSBURG PA.

Project No. DGS 210-4

Name of Project: UPJ Engineering Science Building and John Murtha Center

Description: Design and Install a Wet Pipe Sprinkler System to the Eng. & Science Building.

Design: FM Global Insurance Carrier Requirements were Followed as the Guideline for

Design.

Contact: Jackie Krawczyk was the original design professional for CJL Engineers. After

the initial design she then worked as a facilities manager for UPJ.

Contact Information: Jackie Krawczyk

**CJL Engineers** 

232 Horner Street, Johnstown, Pa 15902

(814) 536-1651

Original Bid: \$190,000.00 Final Price \$197,891.80

Start / Finish 11/16/2018 Start 02/27/2017 Finish

Original Start/Finish 11/2018 Start 12/31/2016 Extended Finish due to G.C. Schedule.

PROJECTS COMPLETED BY QUICK RESPONSE FIRE PROTECTION SYSTEMS, INC. SIMILARY IN SCOPE OF WORK TO PA STATE POLICE DNA LAB GREENSBURG PA.

Name of Project: Lifepoint Conemaugh OCC

Description: Design and Install a Wet Pipe Sprinkler System to the New Medical Office

**Building for Lifepoint Conemaugh** 

Design: FM Global Insurance Carrier Requirements were Followed as the Guideline for

Design.

Contact: Brent Burmeister Project Manager

Contact Information: Brent Burmeister

**Massaro Corporation** 

120 Delta Drive, Pittsburg, Pa 15238

(412) 292-6077

Original Bid: \$461, 029.00 Final Price \$521,682.26

Start / Finish 07/18/2016 Start 12/31/2018 Finish

Original Start/Finish 07/2016 Start 12/31/2018 Finish

# PROJECTS COMPLETED BY QUICK RESPONSE FIRE PROTECTION SYSTEMS, INC. SIMILARY IN SCOPE OF WORK TO PA STATE POLICE DNA LAB GREENSBURG PA.

Name of Project: IUP Weyandt / Walsh Hall

Description: Design and Install a Wet Pipe Sprinkler System to the new Building

Design: Per local codes and NFPA 13

Contact: Al Chlystek Project Manager

Contact Information: Wheels Mechanical Contractor and Supplier Inc.

Al Chlystek

(412) 405-9760

Original Bid: \$679,800.00

Start / Finish July 10, 2020 Start In Progress 80% Complete Finish

Original Start/Finish July 10/2020 Start Projected Finish 07/2023

# Project No. DGS 210-4 Construction of New DNA Facility Pennsylvania State Police

Greensburg, Westmoreland County Pa.

# Attachment #1

**Quick Response Fire Protection Systems, Inc.** 

235 Bridge Street, P.O. Box 684 Hastings, PA 16646 (814) 247-8050

quickresponse@verizon.net

**Contact Peron:** 

William D. Yeckley Jr.

**Position:** 

**Vice President** 

Cell:

(814) 241-5597

Project Manager, Designer, foreman and Sprinkler Fitter Qualifications.

William D. Yeckley Jr. will be the fire sprinkler project manager.

William D. Yeckley Jr. entered the sprinkler fitter apprenticeship with Local Union 669 thru Penn State University in 1988. He served a five-year apprentice ship and became a foreman for Grinnell Fire Protection Systems, Inc.

William worked on projects ranging from commercial, industrial, educational, nursing, technical, institutional and residential for Grinnell Fire Protection until 1994.

Quick Response Fire Protection Systems, Inc. was established in 1995 by William D. Yeckley Jr. and Regis J. Thomas Sr., Regis J. Thomas Sr. has since retired but still maintains an ownership interest in the company.

William took on the role of project manager, designer and estimator. He worked on many projects for defense contractors located in Johnstown, Pa along with many industrial, educational, nursing, technical, institutional, residential facilities including many universities and high schools with science and educational labs.

Bruce Strittmatter will be the sprinkler designer. Bruce started CAD design in 1987 for L. Robert Kimball and Associates in Ebensburg, Pa in the site utility division. Bruce started for Quick Response in 1998. He has been utilizing 3D CAD systems since 1998. He is very detailed in his design and completes interference checking very well. BIM has become a beneficial factor in the building industry over the last few years. Bruce has completed many BIM projects and is becoming very efficient in that task. He is a dedicated employee who is completes the design within the document scope of work and works tirelessly to get the job done.

Regis J. Thomas will be the jobsite foreman. Regis J. Thomas Jr has been in sprinkler work since 1998. He has worked on many projects. He holds a sprinkler fitter journeyman card with L.U. 669. He has been foreman on many projects with Quick Response and is dedicated to getting the job completed on time and within budget. Regis is very well rounded and has worked on a variety of projects including defense contractor projects, schools, universities, industrial and commercial projects.

Josie Zellum will be a sprinkler fitter on the project. If Regis cannot be at the jobstie Josie will be able to fill in or take over the project for him. Josie has been a journeyman sprinkler fitter with Sprinklerfitter LU669 for 15 years. Josie has work on a variety of projects including defense contractor projects, schools, universities, industrial and commercial projects.

Being a member of the National Fire Sprinkler Association (NFSA) for 28 years has been a valuable benefit for Quick Response Fire Protection Systems, Inc. They are a valuable tool for questions concerning design and installation of fire sprinkler systems. Many of the employees of the NFSA are members of the NFPA committees.

Quick Response Fire Protection employee Cory Kirsch won the Apprenticeship Sprinkler fitter Contest for Pa in 2018 taking first place. He recently completed his apprenticeship in January 2020 and will be a great foreman from the start.

# Project No. DGS 210-4 Construction of New DNA Facility Pennsylvania State Police

Greensburg, Westmoreland County Pa.

Attachment #2

**OSHA 300 A Forms** 

No Injuries encountered

**OSHA 300A Summary Provided** 

**Quick Response Fire Protection Systems, Inc.** 

235 Bridge Street, P.O. Box 684

Hastings, PA 16646

(814) 247-8050

guickresponse@verizon.net

# OSHA's Form 300A (Rev. 01/2004) Summary of Work-Related Injuries and Illnesses



U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases			
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
(G)	(H)	(1)	(J)
Number of Days			
Total number of days away from work		Total number of days of job transfer or restriction	
0 -		0	
(K)		(L)	
Injury and Iliness 1	Types		
Total number of			
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder (3) Respiratory	0	(5) Hearing Loss	0
Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Public reporting burden for this collection of information is estimated to average 58 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington. DC 20210. Do not send the completed forms to this office.

Your	establishm	nent name	e Qu	uick Resp	onse Fi	re Protection Syste	ems, Inc.				
Stree	et 235 Brid	ige Stree	∍t								
City	Hasting	S				State		PA		Zip	16646
Indus		otion (e.g.				truck trailers)					
Stan					f known	(e.g., SIC 3715)					
OR North		7 Industria			(NAICS)	, if known (e.g., 33	6212)				
		3									
mployr	nent info	rmatio									
. ,	nent inio	ninau()	11								
Annı Total	ual average I hours wor	number	of emp			10 11 325					
Annı Total year	ual average I hours wor	number	of emp		-	10 11,325					
Annı Total	ual average I hours wor	number	of emp		_						
Annu Total year sign her	ual average I hours wor	number ked by all	of emp	oyees last	-						
Annu Total year sign her	ual average I hours wor	number ked by all	of emp	oyees last	-	11,325					
Annu Total year <b>Sign her</b> Know	ual average I hours wor 'e wingly fals	number ked by all	of emplo	oyees lasi	ay resul	11,325	my knowler	dge the entries	are true, ac	curate, an	nd
Annu Total year  sign her Know	ual average I hours wor  Te wingly fals tify that I haplete.	e number ked by all ifying thi	of emplo	ument m	ay resul	11,325  It in a fine.  that to the best of				ice Presid	ient
Annu Total year  sign her Know	ual average I hours wor  Te wingly fals tify that I haplete.	e number ked by all ifying thi	of emplo	ument m	ay resul	11,325					ient

# OSHA's Form 300A (Rev. 01/2004) Summary of Work-Related Injuries and Illnesses



U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no 1218-0176

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Number of Cases			
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
(G)	(H)	(1)	(J)
Number of Days			
Total number of days away from work		Total number of days of job transfer or restriction	
0	_	0	
(K)		(L)	
Injury and Illness 1	Гуреѕ		
Total number of (M)			
(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder (3) Respiratory	0	(5) Hearing Loss	0
Condition	0	(6) All Other Illnesses	0

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Your establishment name Qu	ick Response Fire Prot	ection Systems,	Inc.		
Street 235 Bridge Street					
City Hastings	State		PA	Zip1	6646
Industry description (e.g., Manu Construction Fire Spri		ailers)			
Standard Industrial Classificatio	n (SIC), if known (e.g.,	SIC 3715)			
1 7 1					
R North American Industrial Class		wn (e.g., 336212	?)		
2 3 8	2 2 0				
Annual average number of emp	loyees1	0			
Total hours worked by all emplo year					
Total hours worked by all emplo year	yees last 22,	267			
Total hours worked by all emplo year	yees last 22,	267			
Total hours worked by all emplo year	yees last 22,	fine.	nowledge the entries	are true, accurate, and	
Total hours worked by all employear  gn here  Knowingly falsifying this docu	yees last  22,  ment may result in a second that to  Pliam D. C.	267 fine. the best of my ki		are true, accurate, and Vice President	t
Total hours worked by all employear  gn here  Knowingly falsifying this docu  I certify that I have examined thi complete.  William D. Yeckley Jr.	yees last  22,  ment may result in a second that to  Pliam D. C.	267 fine. the best of my ki		Vice Presiden	t

# OSHA's Form 300A (Rev. 01/2004)

# **Summary of Work-Related Injuries and Illnesses**



U.S. Department of Labor Occupational Safety and Health Administration

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Number of Cases			
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
(G)	(H)	(1)	(J)
Number of Days			
Total number of days away from work		Total number of days of job transfer or restriction	
0		0	
(K)		(L)	
Injury and Iliness 1	Гуреѕ		
Total number of			
(1) Injury	0	(4) Poisoning	0
<ul><li>(2) Skin Disorder</li><li>(3) Respiratory</li></ul>	0	(5) Hearing Loss	0
Condition	0	(6) All Other Illnesses	0

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Your establishment	name Quick Resp	oonse Fire Protection Syste	ms, inc.	
Street 235 Bridge S	street			
City Hastings		State	PA	Zip 16646
	(e.g., Manufacture o	f motor truck trailers) ntractor	La la la	
Standard Industrial (	Classification (SIC), i	if known (e.g., SIC 3715)		
		(NAICS), if known (e.g., 330		
			6212)	
23	8 2	2 0		
Annual average nun Total hours worked year		14 t 16,957		
Total hours worked		t		
Total hours worked year	oy all employees last	16,957		
Total hours worked year	oy all employees last	16,957		
Total hours worked year  ign here  Knowingly falsifyin	g this document m	16,957	my knowledge the entries :	are true, accurate, and
Total hours worked year  gn here  Knowingly falsifyin  I certify that I have e complete.	g this document m	t 16,957  hay result in a fine.		Vice President
Total hours worked year ign here Knowingly falsifyin I certify that I have e complete.	g this document m	t 16,957 nay result in a fine.		

# Project No. DGS 210-4 Construction of New DNA Facility Pennsylvania State Police

Greensburg, Westmoreland County Pa.

Attachment #3

**NO Health or Safety Violations** 

**Quick Response Fire Protection Systems, Inc.** 

235 Bridge Street, P.O. Box 684

Hastings, PA 16646

(814) 247-8050

quickresponse@verizon.net

PROJECT No. DGS 210-4 Construction of New DNA Facility, Pennsylvania State Police.

February 23,2022

Quick Response Fire Protection Systems, Inc. did <u>NOT</u> have any health or safety violations issues by federal or state agencies in the last 3 years.

William D. Yeckley Jr.

Vice President.



## WHEELS MECHANICAL CONTRACTING & SUPPLIER, INC.

Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

# T-2A - Project Management Team

Wheels Mechanical Contracting & Supplier, Inc.'s (WM) project team will consist of the following personnel for project #DGS C-210-0004 Phase 1 Revised Rebid (New DNA Facility Pennsylvania State Police – Greensburg, PA):

## 1. Michael Hartman – Senior Project Manager

Mr. Hartman oversees all project managers within WM. He brings over 35 years of construction knowledge and experience to the project. All aspects of construction projects have been managed by Mr. Hartman including: General Construction, HVAC Construction, Plumbing Construction, and Electrical Construction. This well-rounded background enables him to see things from many different perspectives.

### 2. Albert Chlystek – Project Manager

- Mr. Chlystek oversees most projects within WM. He brings 25 years of plumbing construction knowledge and experience to the project, not only as a project manager, but also as a licensed Master Plumber. Mr. Chlystek has previously been foreman as well on projects identical to this project. His responsibilities will start from schedule development, continue through the day to day operations of the project, including attending the project meetings, and will commence with final project closeout. In addition, Mr. Chlystek has worked on several previous Department of General Services projects, including currently completing a project for the Pennsylvania State Police in Greensburg, PA.

# 3. Donald Goulder – Plumbing Supervisor / Foreman

- Mr. Goulder is a top supervisor/foreman within WM. He brings over 30 years of plumbing construction knowledge and experience to the project. He is also a licensed Master Plumber. Mr. Goulder has been foreman on previous projects similar in nature to this particular project, regarding new construction and renovations to Science & Lab Facilities. He will be the day to day onsite foreman for WM. In addition, Mr. Goulder will complete the New Pennsylvania State Police Headquarters in Greensburg, PA., prior to this project commencing. This experience with the Management Team as well as the Pennsylvania State Police will also aid him in the construction of this new DNA Facility.

- 4. William Yeckley Jr. Quick Response Fire Protection Project Manager (Subcontractor)
  - In addition to being one of the owners, Mr. Yeckley Jr. is a key project manager, designer, and estimator with Quick Response Fire Protection. He brings over 35 years of experience in the fire protection industry. In addition, he is also a member of the National Fire Sprinkler Association (NFSA). Mr. Yeckley Jr. has been involved in Laboratory settings for various entities such as industrial, educational, nursing, technical, and many universities and high schools with science and education labs. He will be the project manager for our fire protection subcontract on this project. Along with Wheels Mechanical Contracting, Mr. Yeckley Jr. also is currently completing the new Kopchick Hall (Science Building) for Indiana University of Pennsylvania in Indiana, PA. The experiences WM has had working with Quick Response Fire Protection, as well as Quick Response Fire Protection's experience with the Department of General Services will also aid him in the construction of this new DNA Facility.

We have performed work on several Department of General Services projects over the past 20 years, including:

- 1. Weyandt/Walsh Hall Replacement at Indiana University of PA (Kopchick Hall)
- 2. New Pennsylvania State Police Headquarters Greensburg, PA.
- 3. Butler State Police Headquarters
- 4. Greensburg Readiness Center
- 5. Southwestern Veterans' Center
- 6. PENNDOT Maintenance Facility North Bethlehem Township
- 7. District 12-0 Office Sanitary Line Replacement

# **Albert Chlystek**

#### al@wheelsmechanical.com

## Estimator - Project Manager - Plumbing Supervisor

- Master Plumber Allegheny County Health Department Plumbing License Number 3168
- Local 27 Building Trade Journeyman Plumber
- **Estimator** Accurately assesses contract documents to prepare pricing estimates, job cost accounting and tracking. Attended "Estimation, Inc. Computerized Estimation Course" (2000).
- Project Manager Oversee the construction project from it's infancy to it's closeout. This includes items such as developing project schedules, contract cost breakdown for billing, negotiating purchase orders and subcontracts, attending project meetings, solving potential problems, maintain job records, assist the project staff as needed, and perform closeout procedures.
- Plumbing Supervisor Lead craftsman on numerous utility projects including the installation, maintenance, and repair of storm, sanitary, acid waste, domestic water, natural gas, compressed air, fixtures, plumbing specialties, and water heating equipment. Experienced in residential and commercial plumbing.
- Safety Supervisor on numerous projects, including conducting and providing materials for "Tool Box Talks" Safety Meetings.
- Over \$85,000,000.00 of work experience in the Plumbing, Electrical, and Mechanical Construction Industry

### Work Experience

Wheels Mechanical Contracting Elrama, PA 15038

February 2002 - Current

Pleasant Hills Construction Company Pittsburgh, PA 15236 October 1995 - February 2002

# **Project Type / Owner Listing**

Department of General Services - State Police Barracks, PENNDOT Maintenance Facilities, Veterans Centers

Pittsburgh Public Schools - High Schools, Middle Schools, Elementary Schools

University of Pittsburgh - Science Labs and Library

Community College of Allegheny County - Physical Education Building and Art Building

Municipality Building Work - Penn Hills and Ross Township

Elementary, Middle, and High Schools – West Jefferson Hills, Allegheny Valley, Carmichaels, Fox Chapel, West Allegheny, Ringgold, McKeesport, West Greene, Connellsville, Propel, Montour, Charleroi, Penn Hills, Wilkinsburg, East Allegheny, Chartiers Valley, Peters Township, Butler Area, North Hills, Baldwin/Whitehall, Gateway, Ambridge, Norwin, Somerset, South Allegheny, Somerset, Forest Hills, Mt. Pleasant, Hopewell, New Kensington/Arnold.

Housing Authorities - Allegheny County, City of Pittsburgh, McKeesport, Fayette, Armstrong, Greene County

Port Authority of Allegheny County - East Liberty, Ross, Manchester, Collier, West Mifflin, Harmar

Kane Hospital - Scott Twp. and Glen Hazel

Allegheny County - North Park and Clack Laboratory

William D. Yeckley Jr. will be the fire sprinkler project manager.

William D. Yeckley Jr. entered the sprinkler fitter apprenticeship with Local Union 669 thru Penn State University in 1988. He served a five-year apprentice ship and became a foreman for Grinnell Fire Protection Systems, Inc.

William worked on projects ranging from commercial, industrial, educational, nursing, technical, institutional and residential for Grinnell Fire Protection until 1994.

Quick Response Fire Protection Systems, Inc. was established in 1995 by William D. Yeckley Jr. and Regis J. Thomas Sr., Regis J. Thomas Sr. has since retired but still maintains an ownership interest in the company.

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Quick Response Fire Protection employee Cory Kirsch won the Apprenticeship Sprinkler fitter Contest for Pa in 2018 taking first place. He recently completed his apprenticeship in January 2020 and will be a great foreman from the start.

# Michael Hartman Senior Project Manager

Albert Chlystek Project Manager

Donald Goulder Project Foreman

# WHEELS MECHANICAL CONTRACTING & SUPPLIER, INC.



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600

Phone: 412-405-9760 - Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

### T-2B - Work Plan and Schedule

Wheels Mechanical Contracting & Supplier, Inc. (WM) is very familiar with Critical Path Method Schedules for this type and other types of projects. Almost every project we work on uses this CPM or Gantt Chart Method.

The following format outlines the activities, durations, predecessor, and successor items required for this project:

Activity	Duration	Predecessor	Successor
Area A LL UG Storm	3 days	Walls to Grade	UG Sanitary
Area A LL UG Sanitary	8 days	UG Storm	UG Lab Waste
Area A LL UG Lab Waste	2 days	UG Sanitary	FD's & CO's
Area A LL FD's & CO's	2 days	UG Lab Waste	UG Water
Area A LL UG Water	2 days	FD's & CO's	Pour Floor
Area A LL San/Cond. AG	12 days	Wall Layout	Lab Waste AG
Area A LL Lab Waste AG	2 days	Sanitary/Cond. AG	Water AG
Area A LL Water AG	12 days	Lab Waste AG	Tempered Water AG
Area A LL Temp. Water AG	5 days	Water AG	Gas AG
Area A LL Gas AG	7 days	Tempered Water AG	Insulation
Area A LL Insulation	6 days	Gas AG	Drywall
Area A LL FP Rough-In	20 days	Wall Layout	Ceiling Grid
Area A LL Fixtures & Trim	2 days	Finishes	Area Turned Over
Area A LL FP Trim	10 days	Ceiling Grid	Ceiling Tile
Area A UL FD's & CO's	2 days	Slab Decking	Pour Floor
Area A UL Roof Drains	2 days	Roof Decking	Storm AG
Area A UL Storm AG	8 days	<b>Roof Drains</b>	Wall Layout
Area A UL San/Cond. AG	10 days	Wall Layout	Lab Waste AG
Area A UL Lab Waste AG	15 days	Sanitary/Cond. AG	Water AG
Area A UL Water AG	8 days	Lab Waste AG	Tempered Water AG
Area A UL Temp. Water AG	10 days	Water AG	Lab Water AG
Area A UL Lab Water AG	20 days	Tempered Water AG	Insulation
Area A UL Insulation	10 days	Gas AG	Drywall
Area A UL FP Rough-In	20 days	Wall Layout	Ceiling Grid
Area A UL Fixtures & Trim	10 days	Finishes/Casework	Partitions
Area A UL FP Trim	10 days	Ceiling Grid	Ceiling Tile

Activity	Duration	Predecessor	Successor
Area B LL UG Storm	3 days	Walls to Grade	UG Sanitary
Area B LL UG Sanitary	10 days	UG Storm	UG Lab Waste
Area B LL UG Lab Waste	3 days	UG Sanitary	FD's & CO's
Area B LL FD's & CO's	3 days	UG Lab Waste	UG Water
Area B LL UG Water	2 days	FD's & CO's	Pour Floor
Area B LL Storm AG	3 days	Pour Floor	Wall Layout
Area B LL Carriers	3 days	Wall Layout	San/Cond. AG
Area B LL San/Cond. AG	10 days	Carriers	Lab Waste AG
Area B LL Lab Waste AG	3 days	San/Cond. AG	Water AG
Area B LL Water AG	12 days	Lab Waste AG	Tempered Water AG
Area B LL Temp. Water AG	3 days	Water AG	Gas AG
Area B LL Gas AG	2 days	Tempered Water AG	Insulation
Area B LL Insulation	7 days	Gas AG	Drywall
Area B LL FP Rough-In	20 days	Wall Layout	Ceiling Grid
Area B LL Fixtures & Trim	10 days	Finishes/Casework	Partitions
Area B LL FP Trim	10 days	Ceiling Grid	Ceiling Tile
Area B UL FD's & CO's	4 days	Slab Decking	Pour Floor
Area B UL Roof Drains	2 days	Roof Decking	Storm AG
Area B UL Storm AG	8 days	Roof Drains	Wall Layout
Area B UL Carriers	2 days	Wall Layout	San/Cond. AG
Area B UL San/Cond. AG	12 days	Carriers	Lab Waste AG
Area B UL Lab Waste AG	15 days	San/Cond. AG	Water AG
Area B UL Water AG	15 days	Lab Waste AG	Tempered Water AG
Area B UL Temp. Water AG	· · · · · · · · · · · · · · · · · · ·	Water AG	Lab Water AG
Area B UL Lab Water AG	5 days	Tempered Water AG	
Area B UL Gas AG	10 days	Lab Water AG	Insulation
Area B UL Insulation	8 days	Gas AG	Drywall
Area B UL FP Rough-In	20 days	Wall Layout	Ceiling Grid
Area B UL Fixtures & Trim		Finishes/Casework	Partitions
Area B UL FP Trim	14 days		
Penthouse FD's & CO's	10 days	Ceiling Grid	Ceiling Tile
	4 days	Slab Decking	Pour Floor
Penthouse Water Heaters	5 days	Pour Floor	Lab Water Equipment
Penthouse Lab Water Equip.	•	Water Heaters	San/Cond. AG
Penthouse San/Cond. AG	5 days	Lab Water Equip.	Lab Waste AG
Penthouse Lab Waste AG	1 day	San/Cond. AG	Water AG
Penthouse Water AG	8 days	Lab Waste AG	Tempered Water AG
Penthouse Temp. Water AG	4 days	Water AG	Lab Water AG
Penthouse Lab Water AG	10 days	Tempered Water AG	
Penthouse Gas AG	7 days	Lab Water AG	Insulation
Penthouse Insulation	5 days	Gas AG	Drywall
Penthouse FP Rough-In	10 days	Wall Layout	Ceiling Grid
Penthouse Fixtures & Trim	3 days	Finishes/Casework	Partitions
Penthouse FP Trim	5 days	Ceiling Grid	Ceiling Tile

It is understood that these activities still need to be integrated into a combined project schedule with other prime contractor activities. Our activities listed above are not to be neither stacked nor concurrent, except for the fire protection activities, which can be concurrent with our other aboveground plumbing rough-ins.

The sequencing will be thoroughly reviewed once presented so that we can properly critique the schedule produced by the general contractor and identify the critical path activities.

It is critical that the general contractor and the plumbing contractor coordinate particular sections of this project as indicated below:

- 1. Underground Plumbing as it related to footers and walls to grade for proper sleeve placement.
- 2. Aboveground Plumbing as it related to lab casework and equipment supplied by the general contractor. This will prevent any potential conflicts with rough-in locations, required clearances for the code officials, and proper dimensions for OSHA regarding safety equipment.
- 3. Plumbing Equipment in the penthouse during development and construction of the penthouse. Layout coordination among all trades will be necessary.

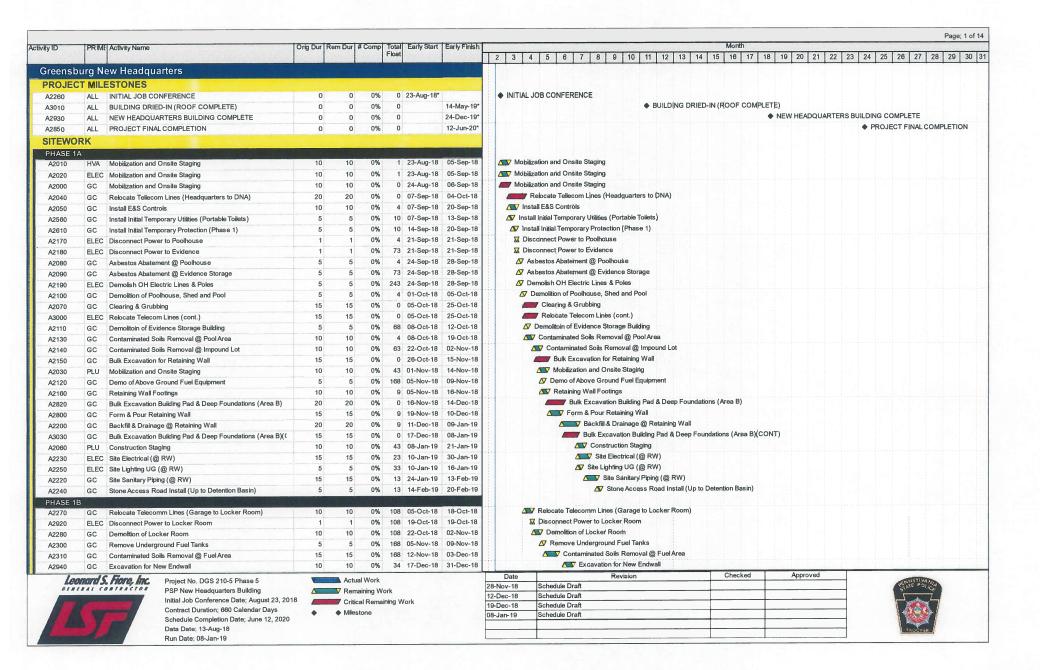
Of particular note is the expedient submission, approval, and release of the penthouse equipment due to the lead time nature of the equipment. This must be reflected as completed within the first 90 days of the project. Another critical submission, approval, and release is for the PVDF acid waste system. Current market conditions have added a long leadtime on this product.

Challenges of underground coordination with walls and footers and aboveground coordination of the lab casework and equipment will be mitigated through proper coordination documents and meetings. This approach will be beneficial for the entire project.

Our onsite foreman will be responsible for the day to day coordination of plumbing activities including subcontractors, site operations, logistics, jobsite controls, and best practices. This will be achieved through close coordination with other prime contractors.

Fortunately we have our own in-house BIM/CADD coordinator to facilitate a smooth process through the coordination drawing process. This process will hopefully provide for a conflict free faster installation of all trades' systems.

Please see the attached examples of schedule activities provided by WM on other projects, including schedule consultants placing them into the scheduling software for our review.



yID	PRIME	Activity Name	Orig Dur R	em Duri	# Comp	Total	Early Start	Early Finish		Month
,, ,,	T. T. T. T.	Probably Pearles	10,000	om Bail		Float	many state	Lutiy	121	3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   3
A3020	GC	Cont. Building Pad Excavation (Area A & Area C)	10	10	0%	30	17-Dec-18	31-Dec-18	1-	Sont. Building Pad Excavation (Area A & Area C)
A2810	GC	Construct New Endwall	15	15	0%		13-Feb-19	05-Mar-19		Construct New Endwall
A2840	GC	Excavation for Storm Detention Basin	20	20	0%		06-Mar-19	02-Apr-19		Scavation for Storm Detention Basin
	GC	Construct Storm Detention Basin	20	20	0%		03-Apr-19	30-Apr-19		✓ Construct Storm Detention Basin
A2290			10	10	0%		01-May-19	14-May-19		Backfill Storm Detention Basin
A2340	GC	Backfill Storm Detention Basin						05-Jun-19		Site Storm Piping & Structures (Retaining Wall to End Wall)
A2210	GC	Site Storm Piping & Structures (Retaining Wall to End Wall)	15	15	0%		15-May-19			
A2330	GC	Complete Access Road to Laydown Area	1	1	0%		15-May-19	15-May-19		☑ Complete Access Road to Laydown Area
A2320	GC	Site Storm Piping & Structures (Fuel Area to Basin)	15	15	0%	39	06-Jun-19	26-Jun-19		✓ Site Storm Piping & Structures (Fuel Area to Basin)
PHASE 1 A2350	GC	Install Temporary Visitor Parking Area	1	1	0%	4	16-May-19	16-May-19		☑ Install Temporary Visitor Parking Area
A2370	GC	Site Gas Piping to New Bldg	15	15	0%		22-May-19	12-Jun-19		✓ Site Gas Piping to New Bldg
A2380	GC	Site Water Piping to New Bidg	15	15	0%		22-May-19	12-Jun-19		Site Water Piping to New Bldg
A2390	ELEC		15	15	0%		22-May-19	12-Jun-19		ANY Site Electric to New Building
	ELEC		15	15	0%		22-May-19	12-Jun-19		∆ Ste Telecomm to New Building
A2400	ALL	SITE UTILITIES TO NEW HEADQUARTERS COMPLETE	0	0	0%	1	ZZ-IVICIY- 10	12-Jun-19		SITE UTILITIES TO NEW HEADQUARTERS COMPLETE
A2950	ELEC		5	5	0%		13-Jun-19	19-Jun-19		✓ SITE OF ILLIES TO RELY FILE OF OWN FEET E
A2870	FLEC		5	5	0%		20-Jun-19	26-Jun-19		✓ Generator Rough-ini
A2860		Install Emergency Generator	5	5	0%		27-Jun-19	03-Jul-19		Install Storm Plping Across Westmoreland to Storm Basin A
A8040	GC	Install Storm Piping Across Westmoreland to Storm Basin A		10	0%		05-Jul-19	18-Jul-19		Install New Storm Tank A
A8030	GC	Install New Storm Tank A	10	10	0%	39	05-Jul-19	18-34-19		(Install New Storm Lank A
HASE 1 A2960	GC	Site Storm Piping & Inlets (Adjacent to Garage)	20	20	0%	1	13-Jun-19	11-Jul-19		Site Storm Piping & Inlets (Adjacent to Garage)
A2420	GC	Site Storm Piping & Inlets (Adjacent to Garage)(cont.)	10	10	0%		12-Jul-19	25-Jul-19		
A2430	GC	Site Gas Piping (Adjacent to Garage)	20	20	0%		26-Jul-19	22-Aug-19		Site Gas Ploing (Adjacent to Garage)
			20	20	0%		26-Jul-19	22-Aug-19		Site Water Piping (Adjacent to Garage)
A2440	GC	Site Water Piping (Adjacent to Garage)	20	20	0%		26-Jul-19	22-Aug-19		Site Sanitary Piping (Adjacent to Garage)
A2450	GC	Site Sanitary Piping (Adjacent to Garage)	5	5	0%		23-Aug-19	29-Aug-19		New Sanitary Connect to Garage & Precurement
A2460	GC	New Sanitary_Connect to Garage & Precurement	5	-	0,70					New Gas Connect to Garage & Precurement
A2470	GC	New Gas_Connect to Garage & Precurement		5	0%		23-Aug-19	29-Aug-19		
A2480	GC	New Water_Connect to Garage & Precurement	5	5	0%	1	23-Aug-19	29-Aug-19		
PHASE 1 A2490	GC	Remove Existing Asphalt Paving	8	8	0%	1	30-Aug-19	10-Sep-19		
A2500	GC	Stone Subbase Installation	12	12	0%		11-Sep-19	26-Sep-19		✓ Stone Subbase Installation
A2500 A2520	ELEC		12	12	0%		11-Sep-19	26-Sep-19		/ Install Site Lighting (UG)
A2510	GC	Install Concrete Curb	14	14	0%		27-Sep-19	16-Oct-19		▲ ▼ Install Concrete Curb
	GC		15	15	0%		17-Oct-19	06-Nov-19		△ Base Course Asphalt Paving
A2530	-	Base Course Asphalt Paving	10	10	0%		07-Nov-19	20-Nov-19		△▼ Finish Course Asphalt Paving
A2540	GC	Finish Course Asphalt Paving	5	5	0%		21-Nov-19			△▼ Line Striping
A2550	GC	Line Striping		0	0%	0	21-NOV-19	22-Nov-19*		◆ END OF PAVING SEASON (asphalt plants shut down)
A2970	ALL	END OF PAVING SEASON (asphalt plants shut down)	0			-		20-Jan-20		Owner Move into New Headquarters Building
A2590	GC	Owner Move into New Headquarters Building	20	20	0%		24-Dec-19			Owner worder into New Treadquarters Building  Textend New Telephone Service to Existing Bldg
A2700		Extend New Telephone Service to Existing Bldg	10	10	0%	108	24-Dec-19	06-Jan-20		Extend New Telephone Service to Existing Blog
HASE 2 A2980		Establish New Permanent Power to Garage Bldg.	10	10	0%	0	07-Jan-20	20-Jan-20		Establish New Permanent Power to Garage Bldg.
A2880		Demolish Existing Generator	3	3	0%		21-Jan-20	23-Jan-20		
			9	9	0%		21-Jan-20	31-Jan-20		
A2890	ELEC	Disconnect Underground Garage Conduits	9	1	0%		21-Jan-20 21-Jan-20	21-Jan-20		
A2900	LLLO	Disconnect Barrocks Bldg Electrical Service	17	17	0%		03-Feb-20	25-Feb-20		Demolition of Existing Police Barrocks
A2570	GC	Demolition of Existing Police Barrocks			0%			25-Feb-20 24-Mar-20		Demoillion of Existing Police Barracks (cont.)
A2990	GC	Demolition of Existing Police Barracks (cont.)	20	20	0,0		26-Feb-20			Demolition of Existing Crime Unit Trailers
A2580	GC	Demolition of Existing Crime Unit Trailers	10	10	0%	42	25-Mar-20	07-Apr-20		Demonition of existing Crime Unit Ifaliers
HASE 2		Landa Navy Charge Tarks D	10	10	0%	0	11-Mar-20	24-Mar-20		Install New Storm Tanks B
A2600	GC	Install New Storm Tanks B								■ Install New Storin Talins B  Orinect Storm Tank B to Storm System
12620	GC	Connect Storm Tank B to Storm System	5	5	0%		25-Mar-20	31-Mar-20		Site Lighting (UG)
A2770	ELEC		10	10	0%		25-Mar-20	07-Apr-20		Stone Subbase Installation at New Round-
A2630	GC	Stone Subbase Installation at New Round-about	5	5	0%	0	08-Apr-20	14-Apr-20		
A2780	FLEC	Site Lighting - Poles	10	10	0%	30	08-Apr-20	21-Apr-20		✓ Site Lighting - Poles

y ID	PRIME	Activity Name	Orig Dur	Rem Dur	# Comp		Early Start	Early Finish	Month
						Float			2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
A2640	GC	Site Concrete Walks	10	10	0%		15-Apr-20	-	Site Concrete Walks
12660	GC	Base Course Ashalt Paving	10	10	0%		29-Apr-20	12-May-20	Base Course Ashalt Paving
2650	GC	Concrete Stairs & Handrail	10	10	0%		06-May-20	19-May-20	Concrete Stairs & Handrail
2670	GC	Finish Course Asphalt Paving	5	5	0%		13-May-20	19-May-20	✓ Finish Course Asphalt Paving
2680	GC	Site Landscaping	10	10	0%		20-May-20	02-Jun-20	Site Landscaping
2690	GC	Site Amenities	2	2	0%		03-Jun-20	04-Jun-20	
2910		Install New Flag Pole Lights	2	2	0%		03-Jun-20	04-Jun-20	Site Punchlist
2790	GC	Site Punchlist	5	5	0%	U	05-Jun-20	11-Jun-20	→ One Fulctions
		ARTERS BUILDING							
JILDING		TURE							
ROUND AREA B	FLOOR								
A1020	GC	Exterior Footings	10	10	0%	0	09-Jan-19	22-Jan-19	Exterior Footings
A1030	GC	Deep Foundations (Retaining Walls)	15	15	0%		23-Jan-19	12-Feb-19	Deep Foundations (Retaining Walls)
A1110	GC	Interior Footings	10	10	0%		23-Jan-19	05-Feb-19	Interior Footings
A1120	GC	CMU Bearing Walls (incl. door jambs)	16	16	0%		06-Feb-19		CMU Bearing Walls (incl. door jambs)
A1040	GC	Subgrade Prep	3	3	0%		13-Feb-19	15-Feb-19	✓ Subgrade Prep
A1070	PLU	Storm (UG) Rough-in	1	1	0%	16	18-Feb-19	18-Feb-19	☑ Storm (UG) Rough-in
A2360		UG Branch Counduit Rough-ins	5	5	0%		18-Feb-19		✓ UG Branch Counduit Rough-ins
A2410	ELEC		5	5	0%		18-Feb-19	22-Feb-19	✓ UG Freeder Conduit Rough-ins
A1080	PLU	Sanitary (UG) Rough-in	5	5	0%		19-Feb-19	25-Feb-19	Sanitary (UG) Rough-in
A1090	PLU	Gas (UG) Rough-in	2	2	0%		26-Feb-19	27-Feb-19	☑ Gas (UG) Rough-in
A1270	PLU	Floor Drains & Clean-outs	2	2	0%		26-Feb-19	27-Feb-19	☑ Floor Drains & Clean-outs
A1130	GC	Set Steel Joist & Decking	10	10	0%		28-Feb-19	13-Mar-19	
A1050	PLU	Water (UG) Rough-in	2	2	0%	16	28-Feb-19	01-Mar-19	☑ Water (UG) Rough-in
A3160	GC	Stone Subbase Prep	5	5	0%		04-Mar-19	08-Mar-19	☑ Stone Subbase Prep
			10	10	0%		14-Mar-19		✓ Pipe & Duct Bang-its
A1140 A1250	HVA GC	Pipe & Duct Bang-its Pour Slab-on-Grade	10	10	0%		14-Mar-19	27-Mar-19	Nov Stab-on-Grade
A1570		Fire Alarm System Branch Conduit	7	7	0%		14-Mar-19	22-Mar-19	✓ Fire Alarm System Branch Conduit
A3590		Security System Conduit	10	10	0%		14-Mar-19	27-Mar-19	Security System Conduit
A3640		Cable Tray Installation	6	6	0%		14-Mar-19		☑ Cable Tray Installation
A1150		OH Feeder Conduit	5	5	0%		28-Mar-19	03-Apr-19	OH Feeder Conduit
A1260		OH Lighting Fixture Branch	10	10	0%		04-Apr-19	17-Apr-19	△▼ OH Lighting Fixture Branch
A1450		Overhead Branch Power Conduit	20	20	0%		04-Apr-19	01-May-19	Overhead Branch Power Conduit
A1510		Lighting Fixture Rough-in	13	13	0%		02-May-19	20-May-19	Lighting Fixture Rough-in
A1530		Lighting Device Rough-in Ceiling	5	5	0%		02-May-19	08-May-19	✓ Lighting Device Rough-in Ceiling
A2710		HVAC Equipment Rough-n	3	3	0%		02-May-19	06-May-19	Ø HVAC Equipment Rough-n
A1520	PLU	Oil Seperator	2	2	0%	0	06-Jun-19	07-Jun-19	<b>☑</b> Oil Seperator
A3840	ALL	AREAB, GROUND FLOOR - STRUCTURE COMPLETE	0	0	0%	0	10-Jun-19	10-Jun-19	■ AREAB, GROUND FLOOR - \$TRUCTURE COMPLETE
REA C	NE VE	The second of th	شيجيت			-dorman	Stock Contract		그는 사람들이 얼마나 아니는 그는 사람들이 되었다. 그는 그는 그는 그는 그는 그를 모르는 것이 없는 것이 없는 것이 없는 것이 없다.
A3680	GC	Bulk Excavation/Fill for Building Pad	10	10	0%	9	10-Jan-19	23-Jan-19	△▼ Bulk Excavation/Fill for Building Pad
A3580	GC	Exterior Footings (incl. anhorbolts)	5	5	0%	0	13-Feb-19	19-Feb-19	Exterior Footings (incl. anhorboits)
A3600	GC	Interior Footings (incl. anchorbolts)	5	5	0%	0	20-Feb-19	26-Feb-19	
A3650	GC	Elevator Pit	10	10	0%		20-Feb-19	05-Mar-19	△■✓ Elevator Pit
44130	GC	Set Structural Steel Columns	5	5	0%		27-Feb-19	05-Mar-19	☑ Set Structural Steel Columns
A3710	GC	CMU Bearing Walls (incl. door jambs)	7	7	0%		28-Feb-19	08-Mar-19	△▼ CMU Bearing Walls (incl. door [ambs]
A3610	GC	Subgrade Prep	2	2	0%		06-Mar-19	07-Mar-19	☑ Subgrade Prep
A3800	ELEC	Wiring Device Rough-in	5	5	0%	-	07-Mar-19	13-Mar-19	
A3620	PLU	Storm (UG) Rough-in	1	1	0%		08-Mar-19	08-Mar-19	⊠ Storm (UG) Rough-in
A3660	ELEC	UG Branch Counduit Rough-ins	2	2	0%		08-Mar-19	11-Mar-19	☑ UG Branch Counduit Rough-ins
<b>43670</b>	ELEC	UG Feeder Conduit Rough-ins	1	1	0%		08-Mar-19	08-Mar-19	☑ UG Feeder Conduit Rough-ins
A3630	PLU	Sanitary (UG) Rough-in	2	2	0%		11-Mar-19	12-Mar-19	☑ Sanitary (UG) Rough-in
A4140	GC	CMU Elevator Shaft (to Roof)	10	10	0%	67	11-Mar-19	22-Mar-19	CMU Elevator Shaft (to Roof)

tivity ID	PRIME	Activity Name	Orig Dur F	Rem Dur	# Comp	Total	Early Start	Early Finish	Month
						Float			2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
A3690	PLU	Floor Drains & Clean-outs	1	1	0%	42	13-Mar-19	13-Mar-19	☑ Floor Drains & Clean-outs
A3700	GC	Stone Subbase Prep	2	2	0%	41	13-Mar-19	14-Mar-19	☑ Stone Subbase Prep
A3730	GC	Set Steel Joist & Deck	5	5	0%	30	14-Mar-19	20-Mar-19	
A3810	ELEC	Fire Alarm System Rough-in	5	5	0%	68	14-Mar-19	20-Mar-19	
A3740		Pipe & Duct Bang-its	5	5	0%	64	21-Mar-19	27-Mar-19	
A3820		Fire Alarm System Branch Conduit	5	5	0%	63	21-Mar-19	27-Mar-19	
A3720		Pour Slab-on-Grade	3	3	0%	32	28-Mar-19	01-Apr-19	Pour Slab-on-Grade
A3830		Fire Alarm System Wiring	1	1	0%	63	28-Mar-19	A STATE OF THE PARTY OF THE PAR	☑ Fire Alarmt System Witing
A3750		OH Feeder Counduit	1	1	0%		02-Apr-19	02-Apr-19	☑ OH Feeder Counduit
A3760		OH Lighting Fixture Branch	3	3	0%		03-Apr-19		OH Lighting Fixture Branch
A3770		Overhead Branch Power Conduit	5	5	0%		03-Apr-19	09-Apr-19	Overhead Branch Power Conduit
A3770		Lighting Fixture Rough-in	3	3	0%		10-Apr-19	12-Apr-19	☑ Lighting Fixture Rough-in
A3790		Lighting Device Rough-in Ceiling	1	1	0%		10-Apr-19	10-Apr-19	☑ Lighting Device Raugh-in Ceiling
		AREAC, GROUND FLOOR - STRUCTURE COMPLETE	0	0	0%		15-Apr-19	15-Apr-19	☑ AREAC, GROUND FLOOR - STRUCTURE COMPLETE
A3850	ALL	AREAC, GROUND FLOOR - STRUCTURE COMPLETE	U U	U	0 76	32	10-Apr-18	10-Арі-18	
AREA A	GC	Bulk Excavation/Fill for Building Pad	15	15	0%	Q	24-Jan-19	13-Feb-19	✓ Sulk Excavation/Fill for Building Pad
			10	10	0%		27-Feb-19	12-Mar-19	Exterior Footings
A3860		Exterior Footings	8	8	0%		13-Mar-19	America Constitution and the	■ Interior Footings
A3880		Interior Footings	5	5	0%		25-Mar-19		☑ Subgrade Prep
A3890		Subgrade Prep	17	17	0%		25-Mar-19	16-Apr-19	CMU Bearing Walls (incl. door jambs)
A3990		CMU Bearing Walls (incl. door jambs)							
A3900		Storm (UG) Rough-in	1	1	0%		01-Apr-19	01-Apr-19	
A3940		UG Branch Counduit Rough-ins	5	5	0%		01-Apr-19	05-Apr-19	☑ UG Branch Counduit Rough-ins
A3950	ELEC	UG Feeder Conduit Rough-ins	3	3	0%		01-Apr-19	03-Apr-19	☑ UG Feeder Conduit Rough-ins
A3910	PLU	Sanitary (UG) Rough-in	5	5	0%		02-Apr-19	08-Apr-19	☑ Sanitary (UG) Rough-in
A3970	PLU	Floor Drains & Clean-outs	1	1	0%		09-Apr-19	09-Apr-19	□ Floor Drains & Clean-outs
A3960	PLU	Water (UG) Rough-in	1	1	0%		09-Apr-19	09-Apr-19	☑ Water (UG) Rough-in
A3980	GC	Stone Subbase Prep	5	5	0%		10-Apr-19	16-Apr-19	✓ Stone Subbase Prep
A4010	GC	Set Steel Joist & Deck	10	10	0%	11	17-Apr-19	30-Apr-19	Set Steel Joist & Deck
A4020	HVA	Pipe & Duct Bang-its	10	10	0%	30	01-May-19	14-May-19	Pipe & Duct Bang-Its
A4000	GC	Pour Slab-on-Grade	5	5	0%	11	01-May-19	07-May-19	
A4100	ELEC	Fire Alarm System Branch Conduit	7	7	0%	384	01-May-19	09-May-19	△ Fire Alarm System Branch Conduit
A4110	ELEC	Security System Conduit	10	10	0%	381	01-May-19	14-May-19	✓ Security System Conduit
A4120		Cable Tray Installation	6	6	0%	385	01-May-19	08-May-19	△▼ Cable Tray Installation
A4030		OH Feeder Counduit	3	3	0%	12	08-May-19	10-May-19	☑ OH Feeder Counduit
A4040		OH Lighting Fixture Branch	10	10	0%		13-May-19		OH Lighting Fixture Branch
A4050		Overhead Branch Power Conduit	20	20	0%		13-May-19		Overhead Branch Power Conduit
A5410		AREAA, GROUND FLOOR - STRUCTURE COMPLETE	0	0	0%		15-May-19		☑ AREA A, GROUND FLOOR - STRUCTURE COMPLETE
A4060		Lighting Fixture Rough-in	12	12	0%		11-Jun-19	-	▲ Lighting Fixture Rough-in
		HVAC Equipment Rough-ins	5	5	0%		11-Jun-19	17-Jun-19	✓ HVAC Equipment Rough-ins
A4150			5	5	0%		27-Jun-19	03-Jul-19	✓ Lighting Device Rough-in Ceiling
A4070		Lighting Device Rough-in Celling	3	-	0 76	340	ZI-Juir 18	03-34-18	
1ST FLOO									
AREA B		CMU Bearing Walls (incl. door jambs)	20	20	0%	0	28-Feb-19	27-Mar-19	CMU Bearing Walls (incl. door jambs)
A1440		CMU Bearing Walls (cont.)	5	5	0%		28-Mar-19	03-Apr-19	
		Set Steel Joist & Roof Deck	10	10	0%		04-Apr-19		△ ▼ Set Steel Joist & Roof Deck
A1490		Feeder Conduit	10	1	0%		18-Apr-19		☑ Feeder Conduit
A1640			7	7	0%		18-Apr-19	4	
A1700		Fire Alarm System Branch Conduit	10	10	0%		18-Apr-19		Seourity System Conduit
A1730		Security System Conduit						Access to the same	∑ Cable Tray Installation
A1750		Cable Tray Installation	6	6	0%		18-Apr-19		[Hall Prof. H. Herri Hall Prof. H.
A8720	PLU	Floor Drains & Clean-outs	2	2	0%	23	18-Apr-19	19-Apr-19	☑ Floor Drains & Clean-outs
A3180	GC	Pour Slab-on-Deck	5	5	0%	11	08-May-19	14-May-19	✓ Four Slab-on-Deck
A1650		OH Lighting Fixture Branch	10	10	0%	99	15-May-19	29-May-19	✓ OH Lighting Fixture Branch
A1660		OH Branch Power Conduit	20	20	0%	80	15-May-19	12-Jun-19	OH Branch Power Conduit

ivity ID	PRIME	Activity Name	Orig Dur	Rem Dur	# Comp	Total Early	Start   Early Fir	Page; 5 of 14 Month
,	100					Float		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 3
A3190	ALL	AREAB, 1ST FLOOR - STRUCTURE COMPLETE	0	0	0%	17 15-N	lay-19 15-May-	
A1670	ELEC	Lighting Fixture Rough-in	13	13	0%	89 13-J	un-19 01-Jul-	Lighting Fixture Rough-in
A1680	ELEC	Lighting Device Rough-in Ceilings	5	5	0%	356 13-J	un-19 19-Jun-	✓ Lighting Device Rough-in Ceilings
AREA C					Galleton.		ALCOHOL: N	
A4270	GC	CMU Bearing Walls (incl. door jambs)	5	5	0%	0 17-A	pr-19 23-Apr-	CMU Bearing Walls (incl. dobr jambs)
A4290	GC	Set Steel Joist & Roof Deck	5	5	0%	0 24-A	pr-19 30-Apr-	
A4300	ELEC	Feeder Conduit	1	1	0%	39 01-M	lay-19 01-May-	
A4320	ELEC	OH Branch Power Conduit	2	2	0%	23 01-M	lay-19 02-May-	☑ OH Branch Power Conduit
A4350	ELEC	Fire Alarm System Branch Conduit	2	2	0%	38 01-M	lay-19 02-May-	☑ Fire Alarm System Branch Conduit
A4360	ELEC	Security System Conduit	2	2	0%	38 01-M	lay-19 02-May-	☑ Security System Conduit
A4370	ELEC	Cable Tray Installation	2	2	0%	38 01-M	lay-19 02-May-	☑ Cable Tray Installation
A8730		Floor Drains & Clean-outs	2	2	0%	19 01-M		☑ Floor Drains & Clean-outs
A4260	GC	Pour Slab-on-Deck	2	2	0%	11 15-M		☑ Pour Slab-on-Deck
A4310	ELEC	OH Lighting Fixture Branch	2	2	0%	11 17-M	lay-19 20-May-	Ø OH Lighting Fixture Branch
A4330		Lighting Fixture Rough-in	2	2	0%	11 21-M		☑ Lighting Fixture Rough-in
A4340		Lighting Device Rough-in Ceilings	2	2	0%	11 21-M		
A4280		AREAC, 1ST FLOOR - STRUCTURE COMPLETE	0	0	0%	24 23-M		☑ AREAC, 1ST FLOOR - STRUCTURE COMPLETE
AREA A	/LL	ALEAS, IST ESSER STREET STREET			0,0	21, 2011		
A4390	GC	CMU Bearing Walls (incl. door jambs)	20	20	0%	0 17-A	pr-19 14-May-	CMU Bearing Walls (incl. door jambs)
A4400		CMU Bearing Walls (cont.)	5	5	0%	1 15-M		✓ CMU Bearing Walls (cont.)
A4410		Set Steel Joist & Roof Deck	10	10	0%	2 22-M		△▼ Set Steel Joist & Roof Deck
A4440		OH Branch Power Conduit	20	20	0%	5 22-M	and the second second second	∆ OH Branch Power Conduit
A4380		Pour Slab-on-Deck	13	13	0%	2 06-J	-	V Pour Slab-on-Deck
A4420		Feeder Conduit	1	1	0%	14 06-J		
A4450		Lighting Fixture Rough-in	13	13	0%	2 06-J		△▼ Lighting Fixture Rough-in
A4460		Lighting Device Rough-in Ceilings	5	5	0%	10 06-J		▲ Lighting Device Rough-in Cellings
A4470		Fire Alarm System Branch Conduit	7	7	0%	8 06-J		∆N Fire Alarm System Branch Conduit
		Security System Conduit	10	10	0%	5 06-J		Security System Conduit
A4480 A4490		Cable Tray Installation	6	6	0%	9 06-J		AT Cable Tray Installation
A7620		HVAC Equipment Rough-in	3	3	0%	109 20-J		Ø HVAC Equipment Rough-in
		OH Lighting Fixture Branch	10	10	0%	343 25-J		OH Lighting Fixture Branch
A4430		AREAA, 1ST FLOOR - STRUCTURE COMPLETE	0	0	0%		un-19 25-Jun-	X AREAA IST FLOOR - STRUCTURE COMPLETE
A4560	ALL	AREAA, 1ST FLOOR - STRUCTURE COMPLETE	U	U	U76	2 20-3	uir 19 25-Juir	a ALLAA, ISTI LOOK STAGETOLL GUMPLETE
ROOF AREA B	2005							
A1900		CMU Parapet Walls	12	12	0%	0 04-A	pr-19 19-Apr-	CMU Parapet Walls
A1870		Set Roof Drains	3	3	0%	1 18-A		✓ Set Roof Drains
A1970		Roof Insulation	5	5	0%	1 23-A	and the second second second second	∆ Roof Insulation
A1980		TPO Membrane Roofing	10	10	0%	1 30-A		✓ TPO Membrane Roofing
A1880		Blocks / Supports	1	1	0%	128 14-M		Blocks / Supports
A1910		Roof Equipment Rough-in	2	2	0%	128 14-M		☑ Roof Equipment Rough-in
A1930		Set Roof-top Equipment	2	2	0%		ay-19 15-May-	☑ Set Roof-top Equipment
A1890		Gas (AG)	4	4	0%		ay-19 20-May-	∆ Gas (AG)
A1920		Roof Equipment Trim-out	2	2	0%		ay-19 17-May-	X Roof Equipment Trim-out
AREA CI	PATIO RO		-		0 70	120 10-101	ay-10 11-May	
A4210		Set Roof Drain	2	2	0%	30 21-M	lar-19 22-Mar-	
A4170		Pour Concrete Slab-on-Deck	2	2	0%		lar-19 26-Mar-	Pour Concrete Slab-on-Deck
A4170		Roof Insulation	2	2	0%	30 27-M		X Roof Insulation
A4 180 A4 190		TPO Membrane Roofing	3	3	0%	30 29-M		✓ TPO Membrane Rodfing
A4190 A4200		Roof Paver and Pedestal System	5	5	0%	172 03-A		
AREA CI	HIGH RO		3	U	0 76	112 00-M	p. 10 08-Api-	
A4530		CMU Parapet Walls	5	5	0%	5 24-A	pr-19 30-Apr-	/V CMU Parapet Walls
A4500		Set Roof Drains	2	2	0%	0 01-M		
		Roof Insulation	3	3	0%		ay-19 07-May-	
A4540		TPO Membrane Roofing	5	5	0%		ay-19 07-May-	■ TPO Membrane Roofing
A4550	GC	IF O Mellibratic Rooming	0	3	0.70	0 00-101	a, io it-ividy	

	10001		1025	Dam Duil	#Com-1	Total	Early Start	Early Finish	Page; 6 of 14
tivity ID	PRIME	Activity Name	Ong Dur	Rem Dur	# Comp	Float	сапу зап	Carry Finish	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 3
A4510	PLU	Blocks / Supports	1	1	0%	128	15-May-19	15-May-19	⊠ Blocks / Supports     ⊠ Blocks / Supports
A4520		Gas (AG)	2	2	0%		16-May-19		☑ Gas (AG)
AREA A	Account to have	0.00 (7.00)	Maria Maria Maria			The same			
A4670	GC	CMU Parapet Walls	5	5	0%	30	24-Apr-19	30-Apr-19	△ CMU Parapet Walls
A4680	PLU	Set Roof Drains	3	3	0%	22	01-May-19	03-May-19	☑ Set Roof Drains
A4700	GC	Roof Insulation	5	5	0%	22	06-May-19	10-May-19	✓ Roof Insulation
A4710	GC	TPO Membrane Roofing	10	10	0%			24-May-19	TPO Membrane Roofing
A4690	PLU	Blocks / Supports	3	3	0%			30-May-19	Blocks / Supports     Blocks / Supp
A4730		Roof Equipment Rough-in	2		0%		28-May-19		Roof Equipment Rough-in
A4740	HVA	Set Roof-top Equipment	2		0%		28-May-19	29-May-19	✓ Set Roof-top Equipment
A4740 A4750			2	2	0%		30-May-19	and the second	⊠ Roof Equipment Trim-out
			5	_	0%		31-May-19		₫ Gas (AG)
A4720		Gas (AG)	J	3	0 76	110	3 I-Way-18	00-341-18	
		ES (DRIED-IN)	A STATE OF THE REAL PROPERTY.						
GROUND	FLOOR								
AREA B	FLEC	Wiring Device Rough-in	20	20	0%	115	13-Feb-19	12-Mar-19	✓ Wiring Device Rough-in
A5130 A5140			20		0%		25-Mar-19	19-Apr-19	✓ Fire Alarm System Rough-in
A4770		CMU Non-Load Bearing Walls (incl. door frames)	20		0%		22-Apr-19	17-May-19	CMU Non-Load Bearing Walls (incl. door frames)
A5160			20		0%		22-Apr-19	17-May-19	✓ Security System Device Rough-in
			20		0%		29-Apr-19	30-Apr-19	■ Storm (AG) Rough-in
A4970	PLU	Storm (AG) Rough-in	2		0%		01-May-19	02-May-19	Z Carriers
A4980	PLU	Carriers	- Description to				03-May-19	14-May-19	Sanitary (AG) Rough-in
A5000	PLU	Sanitary (AG) Rough-in	8		0%			the second sections	Samiary (AG) Rough-in
A5010	PLU	Water (AG) Rough-in	13		0%		15-May-19	03-Jun-19	
A4950	GC	CMU Non-Load Bearing Walls (cont.)	5		0%		20-May-19	24-May-19	✓ CMU Non-Load Bearing Walls (cont.)
A5230			2		0%		28-May-19	29-May-19	⊠ Feeder Installation
A5070	PLU	Water Heating Equipment	2		0%		04-Jun-19	05-Jun-19	₩ Water Heating Equipment
A5080	PLU	Gas (AG) Rough-in	8	8	0%		04-Jun-19	13-Jun-19	∆SV Gas (AG) Rough-in
A5100	PLU	Neutralizing Tank	1	1	0%		06-Jun-19	06-Jun-19	
A2830	GC	Area B_Dried In	1	1	0%	0	10-Jun-19	10-Jun-19	■ Area B_Dried In
A4780	GC	Mech. Equipment Pads	5	5	0%	54	11-Jun-19	17-Jun-19	
A5120	ELEC	Electrical Room Rough-in	5	5	0%	109	11-Jun-19	17-Jun-19	△▼ Électrical Room Rough-in
A5170	ELEC	Structured Cabling System Rough-in	7	7	0%	92	11-Jun-19	19-Jun-19	△▼ Structured Cabling System Rough-in
A5190	ELEC	Branch Circuit Wiring	6	6	0%	106	11-Jun-19	18-Jun-19	Branch Circuit Wiring
A4960	GC	Interior Painting	20	20	0%	64	11-Jun-19	09-Jul-19	/ Interior Painting
A5050	HVA	Rough-in Piping	20	20	0%	4	11-Jun-19	09-Jul-19	<b>∆</b> Rough-in Piping
A5280	HVA	Rough-in Ductwork	20		0%		11-Jun-19	09-Jul-19	Rough-in Duotwork
A5020	PLU	Insulation (subcontractor)	5	5	0%		14-Jun-19	20-Jun-19	△☑ Insulation (subcontractor)
		Flue	2		0%		14-Jun-19	17-Jun-19	Ø Flue
A5090			5		0%		18-Jun-19	24-Jun-19	✓ Pumps Delivery
A4880	HVA	Pumps Delivery	5		0%		18-Jun-19	24-Jun-19	✓ Mech Room Edjupment Delivery
A4890	HVA	Mech Room Eqiupment Delivery			0%			24-Jun-19	∆V Install Electrical Room Equipment
A5220			5		0,0		18-Jun-19		
A5150		Fire Alarm System Wiring	3		0%		19-Jun-19	21-Jun-19	✓ Install Panelboards
A5210	4		5		0%		19-Jun-19	25-Jun-19	
A5260	ELEC	Wiring Device Trim-out	5	5	0%	108	19-Jun-19	25-Jun-19	
A5270	ELEC	Security System Wiring	5	5	0%	108	19-Jun-19	25-Jun-19	✓ Security System Wiring
A5200	ELEC	Structured Cabling	14	14	0%	92	20-Jun-19	10-Jul-19	✓ Structured Cabling
A4900	HVA	Set Mech Room Equipment	10	10	0%	54	25-Jun-19	09-Jul-19	△▼ Set Mech Room Equipment
A5180		HVAC Equipment Rough-in	3	3	0%	103	25-Jun-19	27-Jun-19	
A5310			3	3	0%	103	28-Jun-19	02-Jul-19	∆ HVAC Trim-out
A4790		Rough-in Piping (cont.)	10		0%		10-Jul-19	23-Jul-19	
A4910	HVA	Mech Room Piping	20		0%		10-Jul-19	06-Aug-19	✓ Mech Room Piping
			10		0%	4	10-Jul-19	23-Jul-19	Asy Rough-in Ductwork (cont.)
A4940	HVA	Rough-in Ductwork (cont.)						10-Jul-19	X Specialties
A5030	PLU	Specialities	1	1	0%	89	10-Jul-19	10-Jul- 19	ад Эргопиного

y ID	PRIME	Activity Name	Orig Dur	Rem Dur I	# Comp	Total	Early Start	Early Finish	Month
y ID	Lixual	Production of the state of the				Float			2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
A5040	PLU	Fixtures	3	3	0%	91	10-Jul-19	12-Jul-19	☑ Fixtures
A5250		Lighting Device Wall Trim-out	5	5	0%	94	10-Jul-19	16-Jul-19	✓ Lighting Device Wall Trim-out
A5290		Light Fixture Installation	10	10	0%	89	10-Jul-19	23-Jul-19	Light Fixture Installation
A5300		Fire Alarm System Trim-Out	3	3	0%		10-Jul-19	12-Jul-19	☑ Fire Alarm System Trim-Out
A5330		Structured Cabling System Outlets	4	4	0%		11-Jul-19	16-Jul-19	✓ Structured Cabling System Outlets
			20	20	0%		11-Jul-19	07-Aug-19	✓ Install Flooring
A5370	GC	Install Flooring	20	20	0%		24-Jul-19	20-Aug-19	△ V Set Cablent Heaters
A4800		Set Cabient Heaters	20	20	0%		24-Jul-19	20-Aug-19 20-Aug-19	Complete Ductwork
A4810		Complete Ductwork	20	20	0%		24-Jul-19	20-Aug-19 20-Aug-19	Complete Piping
A4820		Complete Piping		20	0%		24-Jul-19	20-Aug-19 20-Aug-19	ATC Rough-in
A4860		ATC Rough-in	20		- 10			-	Test Mech Room Piping
A4920		Test Mech Room Piping	10	10	0%		07-Aug-19		
A5360	GC	Hang Doors & Door Hardware	5	5	0%		08-Aug-19	14-Aug-19	
A5400	GC	Restroom Partitions and Accessories	10	10	0%		08-Aug-19		■ Restroom Partitions and Accessories
A4830	HVA	Test Ductwork	10	10	0%		21-Aug-19	03-Sep-19	Teşt Ductwork
A4840	HVA	Test Piping	10	10	0%		21-Aug-19	03-Sep-19	△ Test Piping
A4930	HVA	Mech Room Insulation	15	15	0%		21-Aug-19	10-Sep-19	Mech Room Insulation
A6030	HVA	ATC Rough-in (cont.)	10	10	0%		21-Aug-19	03-Sep-19	△▼ ATC Rough-in (cont.)
A4850	HVA	Insulation	20	20	0%	4	04-Sep-19	01-Oct-19	/ Insulation
A4870	HVA	ATC, Complete & Test	20	20	0%	39	04-Sep-19	01-Oct-19	ATĆ, Complete & Test
A5340	ELEC	Structured Cabling Stystem Tests	2	2	0%	57	04-Sep-19	05-Sep-19	▼ Structured Cabling Stystem Tests
A5420	PLU	Equipment Start-ups (water heaters)	5	5	0%	54	04-Sep-19	10-Sep-19	
A5380		ACT Ceiling Grid	10	10	0%	4	02-Oct-19	15-Oct-19	△▼ ACT Ceiling Grid
A6020		Insulation (cont.)	5	5	0%	34	02-Oct-19	08-Oct-19	
A5350		Fire Alarm System Testing	1	1	0%	34	08-Oct-19	08-Oct-19	
A4990		Fire Protection Rough-in	18	18	0%		16-Oct-19	08-Nov-19	Fire Protection Rough-in
A5240		Lighting Device Ceiling Trim-out	2	2	0%		16-Oct-19	17-Oct-19	∐ Lighting Device Ceiling Trim-out
A5390		ACT Ceiling Tile	15	15	0%		16-Oct-19	05-Nov-19	△ ▼ ACT Ceiling Tile
			10	10	0%		06-Nov-19	19-Nov-19	△NV Specialties and Casework
A5430	GC	Specialities and Casework	6	6	0%		11-Nov-19	18-Nov-19	
A5110		Fire Protection Trim		10	0%		20-Nov-19	03-Dec-19	▲▼ FINAL CLEANING (.1)(.2)(.3)arid(.4) Contractors
A6090	-	FINAL CLEANING (.1)(.2)(.3)and(.4) Contractors	10		0,0				AV PUNCHLIST
A6120		PUNCHLIST	10	10	0%	4	04-Dec-19	17-Dec-19	2 ORGINE
_		C(Combined)		E LEVIN	0%	470	25-Mar-19	25-Mar-19	☑ Sumo Pump
A5060		Sump Pump	1	1					✓ Wiring Device Rough-in
A6380		Wiring Device Rough-in	20	20	0%		01-Apr-19	26-Apr-19	
A6050		Fire Alarm System Rough-in	20	20	0%		29-Apr-19	24-May-19	Fire Alarm System Rough-in
A6040	GC	CMU Non-Load Bearing Walls (incl. door frames)	20	20	0%		28-May-19	24-Jun-19	CMU Non-Load Bearing Walls (incl. door frames)
A6060	ELEC	Security System Device Rough-in	20	20	0%		28-May-19		Security System Device Rough-in
A6100	PLU	Storm (AG) Rough-in	5	5	0%		04-Jun-19	10-Jun-19	
A6210	PLU	Carriers	1	1	0%	94	11-Jun-19	11-Jun-19	☑ Carriers
A6220	PLU	Sanitary (AG) Rough-in	7	7	0%	94	12-Jun-19	20-Jun-19	■ Sanitary (AG) Rough-in
A6300	PLU	Water (AG) Rough-in	12	12	0%	94	21-Jun-19	09-Jul-19	✓ Water (AG) Rough-in
A6080	GC	Areas C & A_Dried In	0	0	0%	2	25-Jun-19	25-Jun-19	
A6070	GC	CMU Non-Load Bearing Walls (cont.)	5	5	0%	12	25-Jun-19	01-Jul-19	
A6110		Fire Protection Rough-in	20	20	0%	80	25-Jun-19	23-Jul-19	△ V Fire Protection Rough-in
A6130		Structured Cabling System Rough-in	9	9	0%	76	25-Jun-19	08-Jul-19	△ Structured Cabling System Rough-in
A6150	GC	Interior Painting	20	20	0%	59	25-Jun-19	23-Jul-19	△ Interior Painting
A6160		Rough-in Piping	20	20	0%	4	25-Jun-19	23-Jul-19	△ ✓ Rough-In Piping
A6170		Rough-in Ductwork	20	20	0%	4	25-Jun-19	23-Jul-19	Rough-in Ductwork
A6190		Feeder Installation	2	2	0%		02-Jul-19	03-Jul-19	☑ Feèder Installation
			8	8	0%		05-Jul-19	16-Jul-19	N Branch Circuit Wiring
A6140		Branch Circuit Wiring	16	16	0%	-	09-Jul-19	30-Jul-19	V Structured Cabiling
A6270		Structured Cabling							△▼ Insulation (subcontractor)
A6560	PLU	Insulation (subcontractor)	5	5	0%		10-Jul-19	16-Jul-19	
A6180	ELEC	Fire Alarm System Wiring	4	4	0%	84	17-Jul-19	22-Jul-19	

)	PRIME	Activity Name	Orig Dur R	em Dur #	Comp		arly Start Ea	arly Finish	Month
			The later of			Float			2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
A6260	ELEC	Install Panelboards	5	5	0%	89 17	7-Jul-19 2	23-Jul-19	
A6590	ELEC	Wiring Device Trim-out	5	5	0%	89 17	7-Jul-19 2	23-Jul-19	
A6200	ELEC	Security System Wiring	7	7	0%	87 17	7-Jul-19 2	25-Jul-19	△ Security System Wiring
A6310	ELEC	HVAC Trim-out	3	3	0%	91 17	7-Jul-19 1	19-Jul-19	☑ HVAC Trim-out
A6320	HVA	Rough-in Piping (cont.)	10	10	0%	4 24	4-Jul-19 0	6-Aug-19	△▼ Rough-in Piping (cont.)
A6340	HVA	Rough-in Ductwork (cont.)	10	10	0%	4 24	4-Jul-19 0	6-Aug-19	△▼ Rough-in Ductwork (cont.)
A6350	PLU	Specialities	1	1	0%	88 24	4-Jul-19 2	24-Jul-19	
A6360	PLU	Fixtures	3	3	0%	86 24	4-Jul-19 2	26-Jul-19	<b>♂</b> Fixtures
A6390		Lighting Device Wall Trim-out	6	6	0%	83 24	4-Jul-19 3	31-Jul-19	✓ Lighting Device Wall Trim-out
A6400		Light Fixture Installation	13	13	0%			9-Aug-19	△ ✓ Light Fixture Installation
A6410		Fire Alarm System Trim-Out	4	4	0%			29-Jul-19	
A6420	GC	Install Flooring	20	20	0%			0-Aug-19	✓ Install Flooring
			5	5	0%	-		30-Jul-19	✓ Install Telecom Entry Room Equipment
44080		Install Telecom Entry Room Equipment	5	5	0%			6-Aug-19	AV Structured Cabling System Outlets
A6440		Structured Cabling System Outlets	5	5	0%				✓ Telecom Room Equipment Termination
44160		Telecom Room Equipment Termination		20	0%			16-Aug-19 13-Sep-19	Set Cablent Heaters
A6490	HVA	Set Cabient Heaters	20					3-Sep-19 3-Sep-19	✓ Set Cablent Reaters  ✓ Complete Ductwork
46500	HVA	Complete Ductwork	20	20	0%			and the same	Complete Piping
46510	HVA	Complete Piping	20	20	0%			3-Sep-19	
46520		ATC Rough-in	20	20	0%			3-Sep-19	△ ATC Rough-in
46600	GC	Hang Doors & Door Hardware	5	5	0%			7-Aug-19	
46610	GC	Restroom Partitions and Accessories	10	10	0%	59 21		3-Sep-19	△▼ Restroom Partitions and Accessories
46620	HVA	Test Ductwork	10	10	0%	4 04	-Sep-19 1	7-Sep-19	/SST Ductwork
46630	HVA	Test Piping	10	10	0%	4 04	-Sep-19 1	7-Sep-19	△ ▼ Test Piping
46480	ELEC	Structured Cabling Stystem Tests	3	3	0%	56 04	-Sep-19 0	6-Sep-19	☑ Structured Cabling Stystem Tests
A6650	HVA	ATC Rough-in (cont.)	10	10	0%	49 04	-Sep-19 1	7-Sep-19	ATC Rough-in (cont.)
A7930	GC	Atrium (Area C) - Interior CMU Veneer	20	20	0%	14 11	-Sep-19 0	8-Oct-19	✓ Atrium (Area C) - Interior CMU Veneer
A6660	HVA	Insulation	20	20	0%	4 18	S-Sep-19 1	5-Oct-19	△ ↑ risulation
46670	HVA	ATC, Complete & Test	10	10	0%	39 18	S-Sep-19 0	1-Oct-19	ATC, Complete & Test
A6450	ELEC	Fire Alarm System Testing	2	2	0%	33 08	3-Oct-19 0	9-Oct-19	
A7940	GC	Atrium (Area C) - Interior CMU Veneer (cont.)	20	20	0%	14 09	-Oct-19 0	5-Nov-19	Atrium (Area C) - Interior CMU Veneer (cont.)
A6430	GC	ACT Ceiling Grid	10	10	0%	4 16	-Oct-19 2	9-Oct-19	△▼ ACT Ceiling Grid
A6680	HVA	Insulation (cont.)	10	10	0%			9-Oct-19	/ Insulation (cont.)
			9	9	0%			1-Nov-19	AV Fire Protection Trim
A6530	PLU	Fire Protection Trim	3	3	0%			1-Nov-19	☑ Lighting Device Ceiling Trim-out
46540	ELEC	Lighting Device Ceiling Trim-out							ATV ACT Ceiling Tile
A6550	GC	ACT Ceiling Tile	15	15	0%			9-Nov-19	Final Inspections (fixtures, trim and equipment)
A9190	PLU	Final Inspections (fixtures, trim and equipment)	5	5	0%			5-Nov-19	Final inspections (instures, trim and equipment)  Final CLEANING (.1)(.2)(.3)and(.4) Contractors
46690	ALL	FINAL CLEANING (.1)(.2)(.3)and(.4) Contractors	10	10	0%			3-Dec-19	
A6700	ALL	GROUND FLOOR, AREA A & C - PUNCHLIST	10	10	0%	4 04	-Dec-19 17	7-Dec-19	GROUND FLOOR, AREA A & C - PUNCHLIST
RST FLO	OR						The state of the s		
REA B	FLEC	Winner Device Bearth in	20	20	0%	08 07	'-Mar-19 0	3-Apr-19	✓ Wiring Device Rough-in
A6740		Wiring Device Rough-in	20	20	0%			1-May-19	Fire Alarm System Rough-in
A6750		Fire Alarm System Rough-in						0-May-19	Security System Device Rough-in
A6760		Security System Device Rough-in	20	20	0%				Storm (AG) Rough-in
A6780		Storm (AG) Rough-in	9	9	0%			4-Jun-19	
A6860		Carriers	1	1	0%			7-Jun-19	☑ Carriers
A6870	PLU	Sanitary (AG) Rough-in	5	5	0%			4-Jun-19	✓ Sanitary (AG) Rough-in
46730	GC	CMU Non-Load Bearing Walls (incl. door frames)	20	20	0%			30-Jul-19	CMU Nori-Load Bearing Walls (incl. door frames)
A6790	PLU	Fire Protection Rough-in	9	9	0%			22-Jul-19	∆ Fire Protection Rough-in
A6950	PLU	Water (AG) Rough-in	3	3	0%	92 10		12-Jul-19	∆ Water (AG) Rough-in
A6800	ELEC	Structured Cabling System Rough-in	9	9	0%	71 10	0-Jul-19 2	22-Jul-19	△Structured Cabling System Rough-in
A6820	HVA	Rough-in Piping	20	20	0%	0 10	0-Jul-19 00	6-Aug-19	Rough-in Piping
A6830	HVA	Rough-in Ductwork	20	20	0%	0 10	0-Jul-19 00	6-Aug-19	Rough-in Ductwork
A8710		Gas (AG) Rough-in	8	8	0%	92 15		24-Jul-19	

y ID	PRIME	Activity Name	Orig Dur R	em Dur #	Comp	Total E	Early Start	Early Finish	Month
						Float		CARA	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 3
A6940	ELEC	Structured Cabling	16	16	0%	71 2	23-Jul-19	13-Aug-19	Structured Cabling
A7050	PLU	Insulation (subcontractor)	1	1	0%	92 2	25-Jul-19	25-Jul-19	☑ Insulation (subcontractor)
A6840	GC	CMU Non-Load Bearing Walls (cont.)	5	5	0%	12 3	31-Jul-19	06-Aug-19	△▼ CMU Ndn-Load Bearing Walls (cont.)
A6850	GC	Interior Painting	20	20	0%	39 3	31-Jul-19	27-Aug-19	✓ Interior Painting
A6960	HVA	Rough-in Piping (cont.)	10	10	0%	0 0	07-Aug-19	20-Aug-19	Rough-in Piping (cont.)
A6970	HVA	Rough-in Ductwork (cont.)	10	10	0%	0 0	07-Aug-19	20-Aug-19	Rough-in Ductwork (cant.)
A6890	ELEC	Feeder Installation	2	2	0%	64 0	07-Aug-19	08-Aug-19	
A6810	ELEC	Branch Circuit Wiring	8	8	0%	64 0	09-Aug-19	20-Aug-19	₫ Branch Circuit Wiring
A7070	ELEC	Structured Cabling System Outlets	5	5	0%	71 1	14-Aug-19	20-Aug-19	
A7090	HVA	Set Cabient Heaters	20	20	0%	54 2	21-Aug-19	17-Sep-19	Set Cabient Heaters
A7100	HVA	Complete Ductwork	20	20	0%	0 2	21-Aug-19	17-Sep-19	Complete Ductwork
A7110		Complete Piping	20	20	0%			17-Sep-19	Complete Piping
A7120		ATC Rough-in	20	20	0%		21-Aug-19	17-Sep-19	ATC Rough-in
A6880		Fire Alarm System Wiring	4	4	0%			26-Aug-19	✓ Fire Alarm System Wiring
A6910		Install Panelboards	5	5	0%			27-Aug-19	✓ Install Panelboards
A6920		Wiring Device Trim-out	5	5	0%			27-Aug-19	✓ Wiring Device Trim-out
A6900		Security System Wiring	7	7	0%			29-Aug-19	
A6930		HVAC Trim-out	3	3	0%			23-Aug-19	M HVAC Trim-out
A6980		Specialities	1	1	0%		Constant Section Const	28-Aug-19	☑ Specialities
		Fixtures	3	3	0%			30-Aug-19	<u>™</u> Fixtures
A6990 A7000			6	6	0%			04-Sep-19	/SV Lighting Device Walt Trim-out
		Lighting Device Wall Trim-out	13	13	0%		28-Aug-19	13-Sep-19	Light Fixture Installation
A7010		Light Fixture Installation		4	0%			02-Sep-19	✓ Fire Alarm System Trim-Out
A7020		Fire Alarm System Trim-Out	4					-	/ Install Flooring
A7030	GC	Install Flooring	20	20	0%			24-Sep-19	✓ Structured Cabling Stystem Tests
A7130		Structured Cabling Stystem Tests	3	3	0%			06-Sep-19	Ø Succured canning dysperint lests  ■ Test Ductwork
A7190		Test Ductwork	10	10	0%		18-Sep-19	01-Oct-19	
A7200		Test Piping	10	10	0%			01-Oct-19	Test Piping
A7210	HVA	ATC Rough-in (cont.)	10	10	0%			01-Oct-19	△▼ ATC Rough-in (cont.)
A7170	GC	Hang Doors & Door Hardware	5	5	0%			01-Oct-19	∆ Hang Doors & Door Hardware
A7180	GC	Restroom Partitions and Accessories	10	10	0%		25-Sep-19	08-Oct-19	▲▼ Réstroom Partitions and Accessories
A7220	HVA	Insulation	20	20	0%		02-Oct-19	29-Oct-19	/insulation
A7230	HVA	ATC, Complete & Test	10	10	0%		02-Oct-19	15-Oct-19	ATC, Complete & Test
A7080	ELEC	Fire Alarm System Testing	2	2	0%	38 0	08-Oct-19	09-Oct-19	☑ Fire Alarm System Testing
A7040	GC	ACT Ceiling Grid	10	10	0%	0 3	30-Oct-19	12-Nov-19	ACT Ceiling Grid
A7240	HVA	Insulation (cont.)	10	10	0%	14 3	30-Oct-19	12-Nov-19	△▼ Insulation (cont.)
A7140	PLU	Fire Protection Trim	5	5	0%	9 1	13-Nov-19	19-Nov-19	△ Fire Protection Trim
A7150	ELEC	Lighting Device Ceiling Trim-out	3	3	0%	11 1	13-Nov-19	15-Nov-19	
A7160	GC	ACT Ceiling Tile	14	14	0%	0 1	13-Nov-19	02-Dec-19	ACT Ceiling Tile
A7250	ALL	FINAL CLEANING (.1)(.2)(.3)and(.4) Contractors	10	10	0%	0 0	3-Dec-19	16-Dec-19	FINAL CLEANING (.1)(.2)(.3)and(,4) Contractors
A7260	ALL	AREAB, 1ST FLOOR - PUNCHLIST	5	5	0%	0 1	17-Dec-19	23-Dec-19	
AREA A	& AREA	C (Combined)		area last					
A7300	ELEC	Wiring Device Rough-in	20	20	0%		10 10 10	21-May-19	✓ Wiring Device Rough-lin
A7310	ELEC	Fire Alarm System Rough-in	20	20	0%	59 2	22-May-19	19-Jun-19	✓ Fire Alarm System Rough-in
A7320	ELEC	Security System Device Rough-in	20	20	0%	59 2	20-Jun-19	18-Jul-19	Security System Device Rough-in
A8180	ELEC	Ground Cable	1	1	0%	111 2	25-Jun-19	25-Jun-19	☑ Ground Cable
A7340	PLU	Storm (AG) Rough-in	13	13	0%	312 2	24-Jul-19	09-Aug-19	Storm (AG) Rough-in
A7350		Fire Protection Rough-in	20	20	0%	67 2	24-Jul-19	20-Aug-19	✓ Fire Protection Rough-in
A7360	ELEC	Structured Cabling System Rough-in	9	9	0%	56 2	24-Jul-19	05-Aug-19	△ Structured Cabling System Rough-in
A7380		Rough-in Piping	20	20	0%	2 2	24-Jul-19	20-Aug-19	A Rough-in Piping
A7390		Rough-in Ductwork	20	20	0%	2 2	24-Jul-19	20-Aug-19	A Rough-in Ductwork
A7500		Structured Cabling	16	16	0%	56 0	06-Aug-19	27-Aug-19	✓▼ Structured Cabling
A7290	GC	CMU Non-Load Bearing Walls (incl. door frames)	20	20	0%			03-Sep-19	CMU Non-Load Bearing Walls (incl. door frames)
A1 200		Carriers	1	1	0%			12-Aug-19	<u> </u>

ty ID	PRIME	Activity Name	Orig Dur Re	m Dur   #	# Comp	Total Early Star	Early Finish	Month
						Float		2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30
A7430	PLU	Sanitary (AG) Rough-in	7	7	0%	312 13-Aug-19	21-Aug-19	Sanitary (AG) Rough-in
A7510	PLU	Water (AG) Rough-in	4	4	0%	71 14-Aug-19	9 19-Aug-19	Water (AG) Rough-in
A7610	PLU	Insulation (subcontractor)	2	2	0%	71 20-Aug-19	21-Aug-19	☑ Insulation (subcontractor)
A7520	HVA	Rough-in Piping (cont.)	10	10	0%	2 21-Aug-19	03-Sep-19	Rough-in Piping (cont.)
A7530	HVA	Rough-in Ductwork (cont.)	10	10	0%	2 21-Aug-19	and the same of the same of the same	▼ Rough-Iri Ductwork (cont.)
A7630		Structured Cabling System Outlets	5	5	0%	56 28-Aug-19	the second second	✓ Structured Cabling System Outlets
A7650	HVA	Set Cabient Heaters	20	20	0%	42 04-Sep-11		✓ Set Cabient Heaters
A7660	HVA	Complete Ductwork	20	20	0%	2 04-Sep-19		Complete Ductwork
A7670	HVA		20	20	0%	2 04-Sep-19		Complete Piping
		Complete Piping	20	20	0%	32 04-Sep-19		▲ ▼ ATC Rough-in
A7680	HVA	ATC Rough-in	5	5	0%			
A7400	GC	CMU Non-Load Bearing Walls (cont.)	3	3	0%	14 04-Sep-11	-	☑ Structured Cabing System Tests
A7690		Structured Cabling System Tests				59 04-Sep-19	-	
A7410	GC	Interior Painting	20	20	0%	12 04-Sep-19		✓ Interior Painting
A7450		Feeder Installation	2	2	0%	34 11-Sep-19		⊠ Feeder Installation
A7330	GC	Handrail at Mezzanine	10	10	0%	47 11-Sep-19		▲ Handraii at Mezzanine
A7370	ELEC	Branch Circuit Wiring	8	8	0%	34 13-Sep-11		△ Branch Circuit Wiring
A7440	ELEC	Fire Alarm System Wiring	4	4	0%	34 25-Sep-19	-	☑ Fire Alarm System Wiring
A7470	ELEC	Install Panelboards	5	5	0%	42 25-Sep-19		☑ Install Panelboards
A7480	ELEC	Wiring Device Trim-out	5	5	0%	42 25-Sep-19	- limes	
A7460	ELEC	Security System Wiring	7	7	0%	40 25-Sep-19	9 03-Oct-19	■ Security System Wiring
A7490	ELEC	HVAC Trim-out	3	3	0%	44 25-Sep-19	27-Sep-19	☑ HVAC Trim-out
A7750	HVA	Test Ductwork	10	10	0%	2 02-Oct-19	15-Oct-19	Test Ductwork
A7760	HVA	Test Piping	10	10	0%	2 02-Oct-19	15-Oct-19	△■▼ Test Piping
A7540	PLU	Specialities	1	1	0%	41 02-Oct-19	02-Oct-19	
A7550		Fixtures	3	3	0%	39 02-Oct-19	04-Oct-19	☑ Fixtures
A7560		Lighting Device Wall Trim-out	6	6	0%	36 02-Oct-19	09-Oct-19	✓ Lighting Device Wall Trim-out
A7570		Light Fixture Installation	13	13	0%	29 02-Oct-19	18-Oct-19	Light Fixture Installation
A7580		Fire Alarm System Trim-Out	4	4	0%	33 02-Oct-19	-	
A7590	GC	Install Flooring	20	20	0%	12 02-Oct-19	29-Oct-19	✓ Install Flooring
A7770	HVA	ATC Rough-in (cont.)	10	10	0%	32 02-Oct-19		△▼ ATC Rough-in (cont.)
A7640		Fire Alarm System Testing	2	2	0%	36 08-Oct-19		☑ Fire Alarm System Testing
			15	15	0%	2 16-Oct-19		△ V Insulation
A7780	HVA	Insulation	10	10	0%	22 16-Oct-19		ATC, Complete & Test
A7790	HVA	ATC, Complete & Test	5	5	0%	17 30-Oct-19	Carlotte Samuel Control	
A7730	GC	Hang Doors & Door Hardware						▲ ST Restroom Partitions and Accelsories
A7740	GC	Restroom Partitions and Accessories	10	10	0%	12 30-Oct-19		ACT Ceiling Grid
A7600	GC	ACT Ceiling Grid	10	10	0%	2 06-Nov-19		
A7800	HVA	Insulation (cont.)	10	10	0%	2 06-Nov-19	-	Insulation (cont.)
A7720	GC	ACT Ceiling Tile	15	15	0%	12 13-Nov-19		ACT Ceiling Tile
A7700	PLU	Fire Protection Trim	5	5	0%	2 20-Nov-19		✓ Fire Protection Trim
A7710	ELEC	Lighting Device Ceiling Trim-out	3	3	0%	2 20-Nov-19		
A7900	PLU	Final Inspections (fixtures, trim and equipment)	5	5	0%	5 26-Nov-19	02-Dec-19	Final Inspections (fixtures, trim and equipment)
A7910	ALL	FINAL CLEANING (.1)(.2)(.3)and(.4) Contractors	7	7	0%	2 27-Nov-19	9 05-Dec-19	FINAL CLEANING (.1)(.2)(.3)and(.4) Contractors
A7920	ALL	AREAA & C, 1ST FLOOR - PUNCHLIST	10	10	0%	2 06-Dec-19	19-Dec-19	AREAA&C, 1ST FLOOR - PUNCHLIST
EXTERIO	RFACAD	EN ENVEYED THE ENTER OF THE CO.	A CONTRACTOR		THE REAL PROPERTY.			
A8050	GC	North Elevation (East Half) CMU Veneer & Precast	20	20	0%	17 22-May-19	19-Jun-19	△ Vorth Elevation (East Half) CMU Véneer & Precast
A8060	GC	North Elevation (West Half) CMU Veneer & Precast	20	20	0%	17 20-Jun-19	18-Jul-19	✓ North Elevation (West Haif) CMU Veneer & Precast
A8070	GC	West Elevation CMU Veneer & Precast	20	20	0%	17 19-Jul-19	15-Aug-19	✓ West Elevation CMU Veneer & Precast
A8110	GC	Windows & Storefront (North Elevation)	20	20	0%	47 19-Jul-19	15-Aug-19	✓ Windows & Storefront (North Elevation)
A8080	GC	South Elevation (West Half) CMU Veneer & Precast	20	20	0%	17 16-Aug-19	and the second	South Elevation (West Half) CMU Veneer & Precast
A8120	GC	Windows & Storefront (West Elevation)	10	10	0%	47 16-Aug-19	the second secon	▼ Windows & Storefront (West Elevation)
A8090	GC	South Elevation (East Halft) CMU Veneer & Precast	20	20	0%	17 13-Sep-19		South Elevation (East Hailt) CMU Veneer & Precast
			20	20	0%	17 11-Oct-19		East Elevation CMU Veneer & Precast
A8100	GC	East Elevation CMU Veneer & Precast	20	20	0%	17 11-Oct-19	A CONTRACTOR	Windows & Storefront (South Elevation)
A8130	GC	Windows & Storefront (South Elevation)	20	20	U70	17 11-001-18	07-1404-18	Tradoro & Service (Service)

ty ID	PRIME	Activity Name	Orig Dur Re	m Dur #	Comp	Total Float	Early Start	Early Finish	Month
									2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
8140		Windows & Storefront (East Elevation)	15	15	0%	17	08-Nov-19	28-Nov-19	Δ Windows & Storefront (East Elevation)
VERTICA	CIRCU	the state of the s					TIEST.	LESS IN	
A5440		Elevator Rough-ins	5	5	0%		25-Mar-19		☑ Elevator Rough-ins  ☑ Metal Stairs - Area B
A7840		Metal Stairs - Area B	15	15	0%		28-Mar-19		Metal Stairs - Area B
A7850	GC	Metal Stairs - Area C	15	15	0%		02-Apr-19		✓ Metal Stairs - Area C  ✓ Metal Stairs - Area A
A7860	GC	Metal Stairs - Area A	15	15	0%		08-May-19		Maria Stars - Area A  A V Blevator Equipment Installation
A7810	GC	Elevator Equipment Installation	20	20	0%		05-Jul-19* 10-Jul-19	01-Aug-19 16-Jul-19	△ ✓ Peivator Equipment installation
A7870	GC	Paint Stairs & Shaft - Area B Paint Stairs & Shaft - Area C	5	5	0%		24-Jul-19	30-Jul-19	△ Paint Sains & Shaft - Area C
A7880	GC	Paint Stairs & Snaπ - Area C Paint Stairs & Shaft - Area A	5	5	0%		24-Jul-19	30-Jul-19	✓ Paint Sains & Shaft - Area A
A7890 A7820	GC	Elevator Cab Installation	20	20	0%		02-Aug-19		N Selevator Cab Installation
A5320		Elevator Cab installation Elevator Final Connections	1	1	0%		30-Aug-19		⊠ Elevator Final Connections
A7830	GC	Elevator Complete & Testing	10	10	0%		02-Sep-19		NS Elevator Complete & Testing
			10	10	0 70	31	02-3ep-18	13-3ер-18	
		ITRACTOR MILESTONES			_		-		
LEONARD			0	0	0%	0	24-0	24-Aug-18	▼ Start Mobilization and on-site Staging
A8150		Start Mobilization and on-site Staging	0	0	0%				☑ Start MoDifization and on-site Staging     ☑ Start Submitals and Shop Drawlings
A8860 A8910	GC	Start Submitals and Shop Drawings	0	0	0%		07-Sep-18		
A8910 A8900	GC	Start Install Temporary Utilities Start Install Temporary Protection	0	0	0%		14-Sep-18		
	GC	Complete Install E&S Controls	0	0	0%		21-Sep-18	177	☑ Complete Install E&S Controls
A8920 A8930	GC	Start Site Prep, Rough Grading & Demolition	0	0	0%		21-Sep-18		☑ Start Site Prep, Rough Grading & Demolition
A8870	GC	Start Construction Staging and Traffic Plan	0	0	0%		04-Oct-18		☑ Start Construction Staging and Traffic Plan
A8880	GC	Start Temporary Protection Plan	0	0	0%	517	04-Oct-18		☑ Start Temporary Protection Plan
A8890	GC	Start Temporary Protection Fiant Start Temporary Services and Utility Plan	0	0	0%	517	04-Oct-18		☑ Start Temporary Services and Utility Plan
A9210	GC	Start Retaining Wall Foundations	0	0	0%		16-Nov-18	A CONTRACTOR OF THE PARTY OF TH	Start Retaining Wall Foundations
A9220	GC	Complete Contaminated Soils Removal at Fuel Area	0	0	0%		04-Dec-18	And the second second	☑ Complete Contaminated Solts Removal at Fuel Area
A8940	GC	Start Install Site Utilities	0	0	0%		24-Jan-19		
A9230	GC	Start Excavation for Storm Detention Basin	0	0	0%	4	06-Mar-19	06-Mar-19	
A8960	GC	Complete Foundations	0	0	0%	0	25-Mar-19	25-Mar-19	▼ Complete Foundations
A9020	GC	Start Interior Partitions	0	0	0%	0	22-Apr-19	22-Apr-19	I Start Interior Partitions
A9000		Start Roof Deck	0	0	0%		24-Apr-19		■ Start Roof Deck
A8970	GC	Complete Ground Floor Slabs	0	0	0%	11	01-May-19	01-May-19	☐ Complete Ground Fidor Slábs
A8950	GC	Start Excavation for Structures	0	0	0%	39	15-May-19	15-May-19	☑ Start Excavation for Structures
A9240	GC	Start Underground Utilities to New Headquarters	0	0	0%	1	22-May-19	22-May-19	☑ Start Underground Utilities to New Headquarters
A8980	GC	Complete First Floor Slabs	0	0	0%	2	25-Jun-19	25-Jun-19	☑ Complete First Floor Slabs
A9040	GC	Start Interior Floor and Wall Finishes	0	0	0%	69	10-Jul-19	10-Jul-19	☑ Start Interior Floor and Wall Finishes
A9030	GC	Start Interior Doors	0	0	0%	73	08-Aug-19	08-Aug-19	☑ Start Interior Doors
A8990	GC	Start Atrium Framing	0	0	0%	14	11-Sep-19	11-Sep-19	
A9050	GC	Start Interior Ceiling Systems	0	0	0%	4	02-Oct-19	02-Oct-19	又 Start Interior Ceiling Systems
A9060	GC	Start Specialities and Casework	0	0	0%	4	06-Nov-19		☑ Start Specialities and Casework
A9010	GC	Complete Exterior Closure	0	0	0%		29-Nov-19		或 Complete Exterior Closure
A9250	GC	Start Owner Move into New Headquarters Bldg	0	0	0%	26	24-Dec-19	and the last of th	☑ Start Owner Move into New Headquarters Bldg
A9270	GC	Start Demo of Existing Headquarters	0	0	0%		03-Feb-20		☑ Start Demo of Existing Headquarters
A9070	GC	Complete Demolition of Existing Headquarters Bldg	0	0	0%		25-Mar-20		■ Complete Demolition of Existing Headquarters Bldg
A9280	GC	Start Install of Storm Basin B	0	0	0%		25-Mar-20		☑ Start Install of Storm Basin B
A9290	GC	Start Concrete Walk Installation	0	0	0%		15-Apr-20	15-Apr-20	
A9740	GC	Start Concrete Stairs and Handrail (Phase 2B)	5	5	0%		29-Apr-20		■ Start Concrete Star's and Handrail (Phase
A9080	GC	Complete Site Restoration, planting and paving	0	0	0%		03-Jun-20		▼ Complete Site Restoration, planting ar
A9090		Complete Punchlist	0	0	0%		12-Jun-20	12-Jun-20	☑ Complete Punchlist
A9100		Start Project Close-out	0	0	0%		12-Jun-20	12-Jun-20	■ Start Project Close-out  ▼ FINAL INSPECTION
A9260		FINAL INSPECTION	0	0	0%		12-Jun-20	12-Jun-20	▼ FINAL INSPECTION     Submit As-built Drawings / O&M Mar
A8160	GC	Submit As-built Drawings / O&M Manuals	0	0	0%	0	12-Jun-20	12-Jun-20	■ Submit As-built Drawings / O&M Mar

(5)	188157		Orig Dur Re	m Durla	Com	Totall	Early Start	Early Finish	Page; 12 of 1 Month
ivity ID	PRIME	Activity Name	Ong Dur Re	m Dur H	Comp	Float	carry Start	carry rinish	WORKEN  2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30
A8510	HVA	Start Pipe/Vales Submittal & Approval	0	0	0%	423	27-Aug-18	27-Aug-18	If it is it
A8520	HVA	Completion of Pumps Submittal & Approval	0	0	0%		15-Oct-18	15-Oct-18	☑ Completion of Pumps Submittal & Approval
A8530	HVA	Start Fans Submittal & Approval	0	0	0%		12-Nov-18	12-Nov-18	☑ Start Fans Submittal & Approval
A8540	HVA	Start RTU's Submittal & Approval	0	0	0%	417	10-Dec-18	10-Dec-18	☑ Start RTU's Submittal & Approval
A8550	HVA	Start ERU Roof Curb Submittal & Approval	0	0	0%	417	21-Jan-19	21-Jan-19	
A8560	HVA	Complete Boilers Submittal & Approval	0	0	0%		18-Feb-19	18-Feb-19	X Complete Boilers Submittal & Approval  I Complete Boilers Submittal & Approval
A8570	HVA	Complete (Activity A1140) Pipe & Duct Bang-Its	0	0	0%	51	28-Mar-19	28-Mar-19	☑ Complete (Activity A1140) Pipe & Duct Bang-Its
A8580	HVA	Start (Activity A1930) Set Rooftop Equipment	0	0	0%	130	14-May-19	14-May-19	☑ Start (Activity A1930) Set Rooftop Equipment
A8600	HVA	Start (Activity A6160) Rough-In Piping	0	0	0%		04-Jun-19	04-Jun-19	Start (Activity A6160) Rough-In Piping  Start (Activity A6160) Rough-In Piping
A8590	HVA	Complete (Activity A5050) Rough-In Piping	0	0	0%	4	10-Jul-19	10-Jul-19	☐ Complete (Activity 45050) Rough-In Piping
A8610	HVA	Start L&I Inspection, Mechanical Rough-In	0	0	0%		02-Aug-19	02-Aug-19	Start L&i inspection, Mechanical Rough-In
A8660	HVA	Start (Activity A7660) Complete Ductwork	0	0	0%		04-Sep-19	04-Sep-19	
A8670	HVA	Start (Activity A7770) ATC Rough-In (contd)	0	0	0%		02-Oct-19	02-Oct-19	
A8680	HVA	Start L&I Inpection - Mechanical Final	0	0	0%		06-Nov-19	06-Nov-19	
A8620	HVA	Start Punchlist Request	0	0	0%		22-Nov-19	22-Nov-19	Start Punchlist Request
A8630	HVA	Start O&M Manual, Submit Draft	0	0	0%		06-Dec-19	06-Dec-19	Start O&M Manual, Submit Draft
	HVA	Start Mechanical As-Builts, Submit	0	0	0%	186	08-Jan-20	08-Jan-20	
A8640 A8650	HVA	Start Niedhanical As-Builts, Submit Start Pipe/Duct tags -markings	0	0	0%		07-Feb-20	07-Feb-20	
A9300	HVA	FINAL INSPECTION	0	0	0%	and internal	12-Jun-20	12-Jun-20	▼ FINAL INSPECTION
100			0		0 70	101	12-0 UII-20	12-0dil 20	
WHEELS	MECHA		0	0	0%	53	18-Oct-18	18-Oct-18	☑ Complete Prepare Submittals
A8170	PLU	Complete Prepare Submittals	0	0	0%			08-Nov-18	⊠ Start Mobilization and Onsite Staging
A8690	PLU	Start Mobilizatoin and Onsite Staging	0	0	0%		10-Dec-18	10-Dec-18	Start Coordination Drawings
A8700	PLU	Start Coordination Drawings	0	0	0%	401	08-Jan-19	08-Jan-19	X Start Construction Staning
A8790	PLU	Start Construction Staging	0	0	0%	,,,	26-Feb-19	26-Feb-19	∑ Start Subgrade Piping
A8800	PLU	Start Subgrade Piping	0	0	0%		12-Mar-19	12-Mar-19	
A8810	PLU	Start Equipment and Trim Orders	0	0	0%		03-May-19	03-May-19	Start Ground Floor Piping  Start Ground Floor Piping
A8820	PLU	Start Ground Floor Piping	0	0	0%		18-Jun-19	18-Jun-19	
A8830	PLU	Start 1st Floor Piping	0	0	0%		10-Jul-19	10-Jul-19	∑ Start Fixture Installation Ground Floor
A8840	PLU	Start Fixture Installation Ground Floor	0	0	0%		28-Aug-19	28-Aug-19	
A8850	PLU	Start Fixture Installation 1st Floor	0	0	0%		11-Sep-19	11-Sep-19	
A9130	PLU	Complete Equipment Start-ups	0	0	0%		16-Oct-19	16-Oct-19	Start Figure Trotection Trim
A9140	PLU	Start Fire Protection Trim	0	0	0%		30-Oct-19	30-Oct-19	☑ Start Ground Floor Final Inspections
A9150	PLU	Start Ground Floor Final Inspections	0	0	0%		04-Dec-19	04-Dec-19	
A9160	PLU	Start Ground Floor Punchlist New Headquarters	0	0	0%	200	20-Dec-19	20-Dec-19	⊈ Closeout
A9170	PLU	Closeout	0	0	0%		12-Jun-20	12-Jun-20	
A9310	PLU	FINAL INSPECTION	0	0	0%	0	12-Jun-20	12-Jun-20	■ Submit As-built Drawings / O&M M
A9330	PLU	Submit As-built Drawings / O&M Manuals	0	U	0%	U	12-Jun-20	12-Jun-20	
WESTMO		ELECTRICAL SERVICE	0	0	0%	675	13-Aug-18	13-Aug-18	☑ Final Inspection
A9900		Final Inspection	0	0	0%	1	06-Sep-18	06-Sep-18	⊠ Begin Mobilization
A9750		Begin Mobilization	0	0	0%			19-Oct-18	⊠ Disconnect Power to the Locker room Building - Start
A9760		Disconnect Power to the Locker room Building - Start	0	0	0%	108	19-Oct-18 30-Nov-18	30-Nov-18	
A9770	ELEC		0	0				24-Dec-18	<u>ω</u> Release Lighting Fixtures for manufacture - start
A8780	ELEC				0%		24-Dec-18		
A9780	ELEC	L	0	0	0%		31-Dec-18*	31-Dec-18	III Procure & Review Generator Shop Drawings - Start
A9790	ELEC			0	0%		10-Jan-19	10-Jan-19 25-Mar-19	
A9800		Wiring Device Rough-in - Start	0	-	0%		25-Mar-19	25-Mar-19 25-Mar-19	
A9810		Elevator Rough-In - Start		0	0%		25-Mar-19		Muring Device Rough-in - Start   Wiring Device Rough-in - Start
A9820		Wiring Device Rough-in - Start	0		0%		17-Apr-19	17-Apr-19	X New Electrical Service Ductbank to Building - Start     New Electrical Service Ductbank to Building - Start
A9830		New Electrical Service Ductbank to Building - Start	0	0	0%		22-May-19	22-May-19	X New Electrical Service Ductioank to Bulliang - Start     X Install New Generator - Start
A9840	ELEC		0	0	0%		20-Jun-19	20-Jun-19	
A9850		Install Telecomm Entry Room Equipment - Start	0	0	0%		24-Jul-19	24-Jul-19	<u>₩</u> Install Telecomm Entry Room Equipment - Start  ☑ Structrured Cabling Testing - Start
A9910		Structrured Cabling Testing - Start	0	0	0%	-	28-Aug-19	28-Aug-19	
A9920	ELEC	Install Site Lighting Phase 1E - Start	0	0	0%	15	11-Sep-19	11-Sep-19	M Install Site Lighting Phase IC - Start

ivity ID	PRIME	Activity Name	Orig Dur Re	m Dur #	Comp	Total	Early Start	Early Finish	Month
			RIGHT DE			Float			2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
A9860	ELEC	Fire Alarm System Testing - Start	0	0	0%	36	08-Oct-19	08-Oct-19	☑ Fire Alarm System Testing - Start
A9930	ELEC	Submit Draft O&M's	0	0	0%	244	26-Nov-19	26-Nov-19	Submit Draft O&M's
A9870	ELEC	Prep & Coordinate New Telecom Sercie to Existing Buildings	0	0	0%	108	07-Jan-20	07-Jan-20	☑ Prep & Coordinate New Telecom Sercie to Existing Buildings
A9880	ELEC	Establish New Perm Power to Garage - Start	0	0	0%	0	21-Jan-20	21-Jan-20	■ Establish New Perm Power to Garage - Start
A9890	ELEC	Complete Demolition of Underground Garage Conduits	0	0	0%	0	03-Feb-20	03-Feb-20	■ Complete Demolition of Underground Garage Conduits
A9320	ELEC	FINAL INSPECTION	0	0	0%	101	12-Jun-20	12-Jun-20	☑ FINAL INSPECTION
A9340	ELEC	Submit As-built Drawings / O&M Manuals	0	0	0%	0	12-Jun-20	12-Jun-20	■ Submit As-built Drawings / O&M Man
	ECTIONS				THE R		FF. 255	THE RESERVE	
A9430		Underground Mechanical (GAS)	0	0	0%	435	28-Feb-19	28-Feb-19	☑ Underground Mechanical (GAS)
A9440	ELEC		0	0	0%	428	11-Mar-19	11-Mar-19	☑ Underground Electrical
A9390	GC	Footing Environment	0	0	0%	418	25-Mar-19	25-Mar-19	∇ Footing Environment
A9400	GC	Foundations	0	0	0%		25-Mar-19		☑ Foundations
	GC	Concrete Under Slab/Floor	0	0	0%		01-Apr-19		
A9410			0	0	0%	406	10-Apr-19	10-Apr-19	☑ Underground Plumbing
A9420	PLU	Underground Plumbing	0	0	0%		22-Aug-19		☑ Plumbing Rough-in
A9450	PLU	Plumbing Rough-in						A STATE OF THE PARTY OF THE PAR	
A9460	HVA	Mechanical Rough-in	0	0	0%		04-Sep-19		<u>w</u> mechanical rough-iii <b>Σ</b> Framing
A9480	GC	Framing	0	0	0%	298	11-Sep-19		
A9470	ELEC		0	0	0%	296			☑ Electrical Rough-in
A9490	GC	Insulation	0	0	0%		08-Nov-19		⊠ Inşulation
A9500	GC	Accessibility Final	0	0	0%	236	06-Dec-19	-	
A9510	ELEC	Energy Final	0	0	0%	236	06-Dec-19	06-Dec-19	☑ Energy Final
A9520	HVA	Mechanical Final	0	0	0%	236	06-Dec-19	06-Dec-19	⊠ Mechanical Final
A9530	ELEC	Electrical Final	0	0	0%	236	06-Dec-19	06-Dec-19	☑ Electrical Final
A9540	PLU	Plumbing Final	0	0	0%	236	06-Dec-19	06-Dec-19	⊠ Pfumbing Final
A9550	GC	Building Final	0	0	0%	226	20-Dec-19	20-Dec-19	X Building Finàl
ADMINIS	STRATI	IVE / PAPERWORK							
LEONARI			TOUR TOUR	150					
A9110	GC	Submittals and Shop Drawings	20	20	0%	507	06-Sep-18	03-Oct-18	✓ Submittals and Shop Drawings
A9120	GC	LSF Phasing Plan (Includes Staging, Traffic, Temp Utilities an	20	20	0%	517	04-Oct-18		/ LSF Phasing Plan (Includes Staging, Traffic, Temp Utilities and Services)
A8000	GC	Hollow Metal Doors and Frames (priority submittal)	30	30	0%		24-Dec-18	And the Control of the Control	✓ Hollow Metal Doors and Frames (priority submittal)
	GC	Ballistic Resistant Steel Doors and Frames (priority submittal)	30	30	0%		24-Dec-18		Mallistic Resistant Steel Doors and Frames (priority submittal)
A8010			40	40	0%		03-Jan-19		✓ Structural Steel Framing (priority submittal)
A7960	GC	Structural Steel Framing (priority submittal)		40	0%	386	13-Mar-19		✓ Metal Fabrications (priority submittal)
A7980	GC	Metal Fabrications (priority submittal)	40			386	13-Mar-19		Decorative Metal States, (priority submittal)
A7990	GC	Decorative Metal Stairs (priority submittal)	40	40	0%				Precast Structures (priority submittal)
A7950	GC	Precast Structures (priority submittal)	30	30	0%	381	03-Apr-19		Hydraulic Elevator (prioritry submittal)
A8020	GC	Hydraulic Elevator (prioritry submittal)	50	50	0%		24-Apr-19	03-Jul-19	Arch. Exposed Structural Steel Framing (priority submittal
A7970	GC	Arch. Exposed Structural Steel Framing (priority submittal	40	40	0%		31-Jul-19	24-Sep-19	✓ Arch. Exposed Structural Seel Framing (profity Submittal
A9350	GC	Draft OM	1	1	0%		15-May-20		Drait Ow  A Drait Ow  Prepare/Submit Close-out Doc
A9200	PLU	Prepare/Submit Close-out Documents	20	20	0%	81	12-Jun-20	09-Jul-20	A Prepared Subtractions and Decident Close-out Decidents
RENICK	BROTHE	RS CONSTRUCTION CO							
A8270	HVA	RTU's Roof Curbs Submittal and Approval	10	10	0%		13-Aug-18		TTU's Roof Curbs Submittal and Approval
A8280	HVA	ERU Submittal and Approval	10	10	0%	555	27-Aug-18	07-Sep-18	△▼ ERU Submittal and Approval
A8190	HVA	Pipe/Valves Submittal	10	10	0%	417	04-Sep-18	17-Sep-18	△▼ Pipe/Valves Submittal
A8200	HVA	Pumps Submittal	10	10	0%	417	01-Oct-18	12-Oct-18	△S Pumps Submittal
A8210	HVA	Insulation Submittals and Approval	10	10	0%	417	15-Oct-18	26-Oct-18	△SV: Insulation Submittals and Approval
A8220	HVA	Hydronic Heaters Submittal and Approval	10	10	0%	417	29-Oct-18	09-Nov-18	Mydronic Heaters Submittal and Approval
A8490	HVA	Coordination Drawings - Start Mechanical	19	19	0%	450	05-Nov-18	30-Nov-18	Coordination Drawings - Start Mechanical
A8230	HVA	Fans Submittals and Approval	9	9	0%	417	12-Nov-18	23-Nov-18	ANY Fans Submittals and Approval
	HVA	Pipe Supports Submittal and Approval	10	10	0%		26-Nov-18	Marian Marian	△SV Pipe Supports Submittal and Approval
A8240			5	5	0%		03-Dec-18	A STATE OF THE PARTY OF	✓ Coordination Drawings - Complete Mechanical
A8500	HVA	Coordination Drawings - Complete Mechanical		-	0%		10-Dec-18	-	S RTU's Submittal and Abproval
A8250	HVA	RTU's Submittal and Approval	10	10	0 70				Coordination Drawings - Start Interface w/ Primes
A8330	HVA	Coordination Drawings - Start Interface w/ Primes ERU Submittal and Approval	10	10	0%	461	10-Dec-18	21-Dec-18 04-Jan-19	ERU Submittal and Approval
A8260	HVA								

ivity ID	PRIME	Activity Name	Orig Dur Rem D	ur # C	ompl T	otal Early	Start Earl	y Finish I	Month
avay io	1111111	Prouvay realito			F	loat		1	2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30
A8290	HVA	RTU's Roof Curbs Submittals and Approval	10	10	0%	117 07-Ja	n-19 18-	Jan-19	▼ RTU's Roo Curbs Submittals and Approval
A8340	HVA	Coordination Drawings - Complete Interface w/ Primes	20	20	0%	150 10-Ja	n-19 06-	Feb-19	Coordination Drawings - Complete Interface w/ Primes
A8300	HVA	ERU Roof Curb Submittal and Approval		10	0%	117 21-Ja	n-19 01-	Feb-19	
A8310	HVA	Boilers Submittal and Approval	10	10	0%	117 04-Fe	b-19 15-	Feb-19	△▼ Boilers Submittal and Approval
A8320	HVA	VAV's Submittal and Approval	12	12	0%	117 18-Fe	b-19 05-	Mar-19	✓ VAV's Submittal and Approval
A8350	HVA	Deliver RTU Roof Curb, Area A	4	4	0%	117 06-Ma	r-19 11-I	Mar-19	Deliver RTU Roof Curb, Area A
A8360		Deliver RTU Roof Curb, Area B	5	5	0%	117 12-Ma	r-19 18-	Mar-19	
A8370		Deliver ERU Roof Curb, Area B	5	5	0%	117 19-Ma	r-19 25-	Mar-19	N Deliver ERU Roof Curb. Area B
A8380	HVA	L&I Insection - Mechanical Rough-In	5	5		321 02-Au		Aug-19	✓ Lål Insection - Mechanical Rough-In
A8390		L&I Insection - Mechanical Final	2	2		186 06-No		Nov-19	∡ L&I Insection → Mechanical Final
A8400	HVA	Balancing		10		186 08-No		Nov-19	<b>∆</b> Balancing
A8410		Punchlist Request		10		186 22-No		Dec-19	△▼ Punchlist Request
A8420	HVA	O&M Manual - Submit Draft	5	5		186 06-De		Dec-19	∆V O&M Manual - Submit Draft
A8430	HVA	Punchlist Work		18		186 13-De		Jan-20	V Punchist Work
A8460		Training	5	5		226 13-De		Dec-19	
A8440	HVA	Mechanical As-Builts - Submit	5	5		186 08-Ja		Jan-20	∆y Mechanical As-Builts - Submit
A8450	HVA	O&M manual - final submittal	5	5	- 10	186 15-Ja		Jan-20	✓ O&M manual - final submittal
			5	5		186 07-Fe		Feb-20	
A8470	HVA	Pipe/Duct tags - Markings	5	5	- 10	186 07-Fe		Feb-20	
A8480		Final Cleaning/Demobilize	1	1		120 15-Ma		May-20	☑ Draft OM
A9360		Draft OM			U76	120 13-108	ly-20 13-1	iviay-20	
WHEELS					00/	10 00 1	10 10	0 40	Prepare Submittals
A8740	PLU	Prepare Submittals		20	0%	43 23-Au		Sep-18	÷
A8750		Prepare Submittals (cont.)		20	0%	43 20-Se		Oct-18	✓ Prepare Submittals (cont.)
A8760	PLU	Coordination Drawings		10		181 10-De		Dec-18	△▼ Coordination Drawings
A8770		Equipment and Trim Orders	5	5	0%	54 12-Ma		Mar-19	
A9370		Draft OM	1	1		243 26-No		Nov-19	
A9180	PLU	Prepare/Submit Close-out Documents	20	20	0%	105 20-De	c-19 16-	Jan-20	✓ Prepare/Submit Close-out Documents
The second second		ELECTRIC				W BLA			
A9940		Lighting Fixture Submittals		20	0%		v-18° 29-1	w mm	Lighting Fixture Submittals
A9950		Generator Shop Drawings		20	0%	0 02-Jai		Jan-19	Generator Shop Drawings  Draft O&M Preparations
A9380	ELEC	Draft O&M Preperations	20	20	0%	244 29-00	t-19 26-I	Nov-19	Just Cam Preparations
SCHEDU	LE UPDA	TES (MONTHLY)							
A9570	ALL	JAN - 2019	0	0	0%	0 31-Jai		Jan-19	■ JAN - 2019
A9580	ALL	FEB - 2019	0	0	0%	0 28-Fe	b-19* 28-I	Feb-19	享 FEB - 2019
A9590	ALL	MAR - 2019	0	0	0%	0 29-Ma	r-19° 29-1	Mar-19	II MAR - 2019
A9600	ALL	APR - 2019	0	0	0%	0 30-Ap	r-19* 30	Apr-19	ጃ APR - 2019
A9610	ALL	MAY - 2019	0	0	0%	0 31-Ma	y-19" 31-l	May-19	■ MAY - 2019
A9620	ALL	JUN - 2019	0	0	0%	0 28-Ju		Jun-19	■ JUN - 2019
A9630	ALL	JUL - 2019	0	0	0%	0 31-Ju		-Jul-19	■ JUL-2019
A9640	ALL	AUG - 2019	0	0	0%	0 30-Au	g-19° 30-	Aug-19	II AUĢ - 2019
A9650	ALL	SEP - 2019	0	0	0%	0 30-Se	o-19* 30-	Sep-19	▼ SER - 2019
A9660	ALL	OCT - 2019	0	0	0%	0 31-Oc	t-19" 31-	Oct-19	<u>≅</u> OCT - 2018
A9670	ALL	NOV - 2019	0	0	0%	0 29-No	v-19* 29-l	Nov-19	■ NOV - 2019
A9680	ALL	DEC - 2019	0	0	0%	0 31-De	c-19* 31-l	Dec-19	II DEC - 2019
A9690	ALL	JAN - 2020	0	0	0%	0 31-Jai	1-20* 31-	Jan-20	■ JAN - 2020
A9700	ALL	FEB - 2020	0	0	0%	0 28-Fe	o-20° 28-l	Feb-20	■ FEB - 2020
A9710	ALL	MAR - 2020	0	0	0%	0 31-Ma	r-20* 31-l	Mar-20	■ MAR - 2020
A9720	ALL	APR - 2020	0	0	0%	0 30-Ap	r-20° 30	Apr-20	■ APR - 2020
A9730		MAY - 2020	0	0	0%	0 29-Ma	y-20° 29-1	May-20	■ MAY - 2020

1		Mode								T	F S S	ec 18, '22   M T W T F	De S S
		×	Notice to	Proceed	1 day	Mon 1/9/23	Mon 1/9/23						
2		73											
3		xh?	STACK #7										
4		-5	1st Fl Plbg	Demo	2 days	Mon 1/9/23	Tue 1/10/23	1SS					
5		5	1st Fl Plbg AG	Sanitary	2 days	Wed 1/11/23	Thu 1/12/23	4					
6		<b>105</b>	1st Fl Plbg	Water AG	2 days	Fri 1/13/23	Mon 1/16/23	35					
7		5	1st Fl Plbg	Insulation	2 days	Tue 1/17/23	Wed 1/18/23	36					
8		=	2 - 11 GC I	Demo	3 days	Mon 1/9/23	Wed 1/11/23	34SS					
9		3	2 - 11 PC 8	k EC Demo	3 days	Tue 1/17/23	Thu 1/19/23	6					
10		m2	2 - 11 Sani	tary AG	5 days	Fri 1/20/23	Thu 1/26/23	9					
11		-	2 - 11 Wat	er AG	5 days	Fri 1/27/23	Thu 2/2/23	10					
12		100%	2 - 11 Insu	lation	3 days	Wed 2/1/23	Fri 2/3/23	11SS+3 days					
13		1	2 - 11 Sho	wers	3 days	Mon 2/6/23	Wed 2/8/23	12					
14		-5	2 - 11 Elec Rough-in	trical	5 days	Fri 1/27/23	Thu 2/2/23	10					
15		-5	2 - 11 Gyp	sum Board	6 days	Tue 2/7/23	Tue 2/14/23	13SS+1 day					
16		5	2 - 11 Pain	ting	3 days	Mon 2/13/23	Wed 2/15/23	3 15SS+4 days					
17		-	2 - 11 Floo	ring & Base	3 days	Wed 2/15/23	3 Fri 2/17/23	16SS+2 days					
18		5	2 - 11 Van	ities	2 days	Mon 2/20/23	Tue 2/21/23	17					
19		-6	2 - 11 Plur Fixtures	nbing	5 days	Tue 2/21/23	Mon 2/27/23	18SS+1 day					
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24	-	Tenant Re Owner	elocation by	5 days	Wed 3/1/23	3 Tue 3/7/23	21				
25	=	1st Fl Plbg	g Demo	2 days	Mon 3/6/23	Tue 3/7/23	24SS+3 days				
26	-5	1st Fl Plbg AG	g Sanitary	2 days	Wed 3/8/23	3 Thu 3/9/23	25				
27		1st Fl Plbg	Water AG	2 days	Fri 3/10/23	Mon 3/13/23	326				
28	<b>10</b> 5	1st Fl Plbg	g Insulation	2 days	Tue 3/14/23	3 Wed 3/15/23	327				
29	-	2 - 11 GC	Demo	3 days	Mon 3/6/23	Wed 3/8/23	25SS				
30	100	2 - 11 PC	& EC Demo	3 days	Tue 3/14/23	3 Thu 3/16/23	27				
31	<b>10</b> 5	2 - 11 San	itary AG	5 days	Fri 3/17/23	Thu 3/23/23	30				
32	-	2 - 11 Wa	ter AG	5 days	Fri 3/24/23	Thu 3/30/23	31				
33	-	2 - 11 Insu	ulation	3 days	Wed 3/29/2	3Fri 3/31/23	32SS+3 days				
34	5	2 - 11 Sho	wers	3 days	Mon 4/3/23	Wed 4/5/23	33				
35		2 - 11 Elec Rough-in	ctrical	5 days	Fri 3/24/23	Thu 3/30/23	31				
36	-5	2 - 11 Gyp	sum Board	6 days	Tue 4/4/23	Tue 4/11/23	34SS+1 day				
37	5	2 - 11 Pair	nting	3 days	Mon 4/10/2	3Wed 4/12/23	336SS+4 days				
38	-	2 - 11 Floo	oring & Base	3 days	Wed 4/12/2	3Fri 4/14/23	37SS+2 days				
39		2 - 11 Van	ities	2 days	Mon 4/17/2	3Tue 4/18/23	38				
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	TIALUICS	Juays	Tue 4/18/23	Mon 4/24/23	39SS+1 day		
	2 - 11 Electrical Trim	3 days	Wed 4/19/23	3 Fri 4/21/23	39		
	2 - 11 Restroom Accessories	2 days	Mon 4/24/23	Tue 4/25/23	40SS+4 days		
	STACK #9						
	Tenant Relocation by Owner	5 days	Wed 4/26/23	Tue 5/2/23	42		
	1st Fl Plbg Demo	2 days	Mon 5/1/23	Tue 5/2/23	45SS+3 days		
	1st Fl Plbg Sanitary AG	2 days	Wed 5/3/23	Thu 5/4/23	46		
	1st Fl Plbg Water AG	2 days	Fri 5/5/23	Mon 5/8/23	47		
	1st Fl Plbg Insulation	2 days	Tue 5/9/23	Wed 5/10/23	348		
	2 - 11 GC Demo	3 days	Mon 5/1/23	Wed 5/3/23	46SS		
	2 - 11 PC & EC Demo	3 days	Tue 5/9/23	Thu 5/11/23	48		
	2 - 11 Sanitary AG	5 days	Fri 5/12/23	Thu 5/18/23	51		
	2 - 11 Water AG	5 days	Fri 5/19/23	Thu 5/25/23	52		
	2 - 11 Insulation	3 days	Wed 5/24/23	3 Fri 5/26/23	53SS+3 days		
	2 - 11 Showers	3 days	Mon 5/29/23	Wed 5/31/23	354		
	2 - 11 Electrical Rough-in	5 days	Fri 5/19/23	Thu 5/25/23	52		
	2 - 11 Gypsum Board	6 days	Tue 5/30/23	Tue 6/6/23	55SS+1 day		
	2 - 11 Painting	3 days	Mon 6/5/23	Wed 6/7/23	57SS+4 days		
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59	-5	2 - 11 Floo	oring & Base	3 days	Wed 6/7/23	Fri 6/9/23	58SS+2 days					
60	-	2 - 11 Van	ities	2 days	Mon 6/12/2	3Tue 6/13/23	59					
61	-	2 - 11 Plur Fixtures	mbing	5 days	Tue 6/13/23	Mon 6/19/23	60SS+1 day					
62	-5	2 - 11 Elec	trical Trim	3 days	Wed 6/14/2	3 Fri 6/16/23	60					
63	m <sup>2</sup>	2 - 11 Rest Accessorie		2 days	Mon 6/19/23	Tue 6/20/23	61SS+4 days					
64	105											
65	xing.	STACK #10	)									
66	-5	Tenant Re Owner	location by	5 days	Wed 6/21/23	Tue 6/27/23	63					
67	5	1st Fl Plbg	Demo	2 days	Mon 6/26/2	3Tue 6/27/23	66SS+3 days					
68	-	1st Fl Plbg AG	Sanitary	2 days	Wed 6/28/23	Thu 6/29/23	67					
69	-5	1st Fl Plbg	Water AG	2 days	Fri 6/30/23	Mon 7/3/23	68					
70	-	1st Fl Plbg	Insulation	2 days	Tue 7/4/23	Wed 7/5/23	69					
71	=5	2 - 11 GC I	Demo	3 days	Mon 6/26/2	3Wed 6/28/23	367SS					
72	-5	2 - 11 PC 8	& EC Demo	3 days	Tue 7/4/23	Thu 7/6/23	69					
73	5	2 - 11 Sani	itary AG	5 days	Fri 7/7/23	Thu 7/13/23	72					
74	-5	2 - 11 Wat	ter AG	5 days	Fri 7/14/23	Thu 7/20/23	73					
75	-5	2 - 11 Insu	ılation	3 days	Wed 7/19/2	3 Fri 7/21/23	74SS+3 days					
76	-5	2 - 11 Sho	wers	3 days	Mon 7/24/2	3Wed 7/26/23	375					
77	-5	2 - 11 Elec Rough-in	trical	5 days	Fri 7/14/23	Thu 7/20/23	73					
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78		5	2 - 11 Gypsum Board	6 days	Tue 7/25/23	Tue 8/1/23	76SS+1 day		
79		-	2 - 11 Painting	3 days	Mon 7/31/23	Wed 8/2/23	78SS+4 days		
80		-	2 - 11 Flooring & Base	3 days	Wed 8/2/23	Fri 8/4/23	79SS+2 days		
81		100	2 - 11 Vanities	2 days	Mon 8/7/23	Tue 8/8/23	80		
82		9	2 - 11 Plumbing Fixtures	5 days	Tue 8/8/23	Mon 8/14/23	81SS+1 day		
83		5	2 - 11 Electrical Trim	3 days	Wed 8/9/23	Fri 8/11/23	81		
84		5	2 - 11 Restroom Accessories	2 days	Mon 8/14/23	Tue 8/15/23	82SS+4 days		

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	Inactive Milestone		Finish-only	]		



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

#### T-2C – Safety Plan

Wheels Mechanical Contracting & Supplier, Inc. (WM) strives to provide a safe and healthy work place. This is implemented through the attached safety plan and weekly Tool Box Talks. In addition, specific training such as asbestos awareness, trench safety, etc. is given to all field employees.

All of our plumbers are secured from the Building Trades Union, in which further safety training is offered and obtained. This would include trench safety, OSHA 10-hour programs, etc.

In addition, several of our key employees are part of a drug consortium, as many of our projects mandate this requirement.

## WHEELS MECHANICAL CONTRACTING AND SUPPLIER, INC. SAFETY PROGRAM

#### RULES AND REGULATIONS

#### WORK HOURS:

All employees are to report to the jobsite trailer or office and be ready to start work at 7:00 AM.

Lunch is from 12:00 P.M. to 12:30 P.M.

Stop work at 3:25 P.M. to clean work area and return all tools and unused materials back to the job site trailer or office.

Start and end times are subject to change per job requirements. Lunch remains the same regardless of start time.

NOTE: All areas are to be 100% cleaned up and all materials stored properly on a daily basis.

The project foreman is responsible for checking daily clean up. Violations are to be reported to the office. Repeat violations can and will result in termination of employment.

#### DRESS CODE & PERSONAL PROTECTIVE EQUIPMENT

All workers shall dress in a manner that will enhance their safety as well as the safety of others. Work boots, safety goggles, hard hats, long work pants and shirts with sleeves are mandatory. Be aware of weather conditions and dress accordingly. Respirators, ear protection, vests, gloves and any other protection will be required as needed.

#### ACCIDENT PREVENTION PROGRAM:

WHEELS MECHANICAL's accident prevention program follows five basic steps:

- 1. Identify training needs
- 2. Design training activities
- 3. Conduct the training
- 4. Evaluate training effectiveness
- 5. Improve program through feedback

#### FRATERNIZATION:

In order to maintain professionalism and productivity, Wheels Mechanical Contracting Company forbids its employees to associate with clients or tenants on the jobsite or during non-work hours. Any person in violation of this rule may be subject to termination.

#### **EMPLOYEE SANCTIONS:**

All employees are responsible to protect their health and safety as well as the health and safety of others. A verbal warning will be given on the first offense. A written warning will be given for the second offense. Further repeat violations can and will result in termination of employment.

#### INTOXICATING BEVERAGES. "DRUGS"

Possession and/or the use of controlled substance within the meaning of controlled substance as outlined by the Federal Drug and Cosmetic Act is illegal. If you sell, use, possess or aid in the procurement of an intoxicating beverage, narcotic or restricted drug on the jobsite at any time, you will be suspended and subject to termination. Employees found possessing drug paraphernalia will also be suspended. Any employee caught drinking alcoholic beverages or even smelling like alcohol, while on the jobsite or reporting back from lunch breaks, will be suspended and/or terminated immediately. Any employees not conforming to this policy will be removed from the jobsite immediately.

\* No smoking or tobacco use permitted. \*

#### ACCIDENTS:

Accidents incurred on the jobsite must be reported to the office immediately. DO NOT GO TO THE HOSPITAL UNTIL SOMEONE HAS CONTACTED THE OFFICE. By reading and participating in weekly safety tool box talks, following standard safety procedures, we can reduce the possibility of job related accidents. All injuries requiring medical treatment must be reported to Workwell at (800) 662-2400. Complete Workwell information is attached. Accident information is to be listed on the OSHA 300A, Bureau of Labor Statistics Log and Summary of Occupation Injuries and Illnesses Log. This can be found at each job trailer with a master copy at the office.

All accidents will be reported to the Project Engineer/Owner's Representative within 24 hours of occurrence. A full copy of the report will be submitted for the occurrence of any of the following:

- 1. Personal injury to a member of a crew, subcontractor, general public travelling in vehicles or pedestrians, and Authority personnel.
- 2. Equipment or property damage.
- 3. Near misses having a potential for serious injury, death, or property damage.
- 4. Requests of the Engineer.

#### ACCIDENT INVESTIGATION AND PROCEDURES:

Accidents incurred on the jobsite must be reported to the office immediately by the onsite safety supervisor. At that point, the project manager will go to the jobsite for a meeting with the onsite safety supervisor. An accident/incident report will be generated within 24 hours of the occurrence with a copy submitted to the engineer.

#### FIRST AID:

There is a first aid station located in each job trailer to provide help for minor cuts and wounds. If you suspect your injury to be serious, do not hesitate to inform your supervisor. Please use common sense and courtesy when using supplies from the first aid kit. All required certificates for first aid/CPR training will be provided in a separate submission.

#### EMERGENCY PROCEDURES:

All new employees will review the emergency procedures for the project. This review will be conducted by the onsite safety supervisor. The location of the first aid stations and stretchers will also be reviewed. This meeting will cover the proper procedures for injuries, fires, evacuations, and any other similar situation.

In case of serious injury, fire, or environmental accident, "911" must be utilized. In case of dangerous situations requiring evacuation, the employee is to evacuate first, then call "911". "911" is to be utilized for police, fire, and ambulance needs.

#### HARD HATS:

It is Wheels Mechanical Contracting Company's policy that all workers shall wear hard hats at all times. If you do not have a hard hat, and

you are a new employee, then Wheels Mechanical Contracting Company will provide one for you. If you are not a new employee and need a hard hat, Wheels Mechanical Contracting Company will buy the hard hat and back charge you. Since it is mandatory that the hard hat be worn at all times, failure to do so will result in immediate suspension and/or termination.

#### SAFETY ORIENTATION OF NEW HIRES & SUPERVISORS:

All new hires will receive a thorough safety and hazard communication orientation. This will be done through the various training sessions as outlined in this manual.

Job specific items will be thoroughly discussed. Future safety instructions will be provided if hazardous work and/or unfamiliar tasks are performed. All new hires will be given this orientation within 24 hours of hire. This will be documented via a signed letter by the new hire documenting the safety orientation session.

Supervisors will be given a list of all emergency contact numbers, and will be responsible for daily checks of ladders, power cords, lifts, and equipment to ensure proper operation.

#### SAFETY MEETING:

Tool box safety meetings are to be held once weekly. Information is given weekly to project foreman and must be signed off by employees attending meeting. This signed copy is to be displayed on the trailer bulletin board with any other safety issues or required notices. Observations regarding the safety of the project will also be discussed at this time.

Jobsite specific dangers will be addressed including current activities, bus movement, and dangers of working in and around an active bus garage and yard. Also to be discussed are safety measures to be utilized to reduce the risk of injury. The current maintenance and protection of traffic plan shall also be discussed weekly inside and outside the garage.

If a safety violation is found, action must be taken immediately or within 24 hours. A complete booklet of safety talks is in each job trailer. If a copy is needed, please contact the office. A complete log of all safety violations and corrective actions must be kept. This log will be inspected upon periodic tours of the job site by the project manager and/ or safety manager.

#### TASK SAFETY ANALYSIS AND TRAINING:

All employees will receive the required additional training that is task specific prior to starting the work. All phases, or stages of work, shall be reviewed by the safety supervisor who will determine what additional training is necessary.

#### TOOLS:

Each employee is responsible for all tools and toolboxes supplied by Wheels Mechanical Contracting Company. Any lost tools will result in a deduction from the employee's paycheck to cover the cost incurred to replace the lost item. Keep all tools clean and in good working condition.

#### SAFETY FIRST:

Only employees who have been trained in the operation of a particular tool in use shall be allowed to operate such tool. Test all power tools each day before using, or loading to see that safety devices are working properly.

Any tool found not in proper working order, or that develops a defect during use, shall be immediately removed from service and not used until properly repaired. Personal protection equipment shall be used. Loaded tools shall not be left unattended and not loaded until just prior to the intended firing time. Neither loaded nor empty tools are to be pointed at any person. Care should be taken when driving brittle materials. All tools shall be used with the correct shield, guards or attachments. All hand and power tools and similar equipment whether furnished by employer or employee, shall be maintained in a safe condition.

#### FIRE PROTECTION AND PREVENTION:

All bottles used for soldering, cutting, and welding shall be secured and inspected for any leaks prior to each use. A fire extinguisher that is properly charged and inspected shall be within 20 feet of any bottle. The work area shall be properly vented and free of any fire hazards prior to starting the work.

#### HAND TOOLS:

Employer shall not issue or permit the use of unsafe hand tools. Wooden handles of tools shall be kept free of splinters or cracks and shall be kept tight in the tool.

#### POWER-OPERATED HAND TOOLS

Electric power operated tools shall either be of the approved double insulated type or grounded. Electric cords shall not be used for a hoist or lowering tools. Pneumatic power tools shall be secured to the hose or whip by some positive means to prevent accidental disconnection. Safety clip or retainers shall be securely installed and maintained to prevent attachment from accidentally being exposed. Hoses shall not be used to hoist or lower tools. Fuel powered tools shall be stopped while being refueled, serviced or maintained. Fuel shall be transported, handled and stored in approved containers. Flammable or combustible liquids shall not be stored in areas used for exits, stairways or normally used for safe passage of people.

#### DEMOLITION:

All employees must wear hard hats and goggles during demolition. There will be no exceptions. PREPARATIONS- Prior to starting demolition, a survey shall be made of the structure(s) to determine the condition of framing, floors and walls and the possibility of unplanned collapse. Structures that have been damaged by fire, flood, explosion or other causes may need the walls and floors braced or shored prior to the start of demolition. All electric, gas, water, steam, sewer and other service lines shall be shut off, capped or otherwise controlled outside building lines.

Water, power or other utilities may be temporarily relocated as necessary and protected. Check for any hazardous chemicals, gasses, explosives, flammable materials or any dangerous substance. Eliminate hazard before demolition is started. WALLS- masonry walls or other sections of masonry are not permitted to fall upon floors in such masses to exceed the safe carrying capacities of the floor. Any wall left standing must be self-supporting. All walls must be left in a stable condition at the end of the day. FLOOR- Demolition of floors shall not start until they have been cleared of debris and any other unnecessary materials. When floor arches are being removed, no one shall be allowed in the area directly underneath. Opening cuts in a floor shall extend the full span of the arch between supports.

The designated maintenance and protection of traffic plan MUST be adhered to in and around demolition areas at all times.

#### OCCUPATIONAL HEALTH PROGRAMS:

As required, WHEELS MECHANICAL will do air monitoring, take samples, provide protective clothing and equipment, etc. to protect against silica, asbestos, lead, or any other hazard that would be encountered.

#### ASSURED EQUIPMENT GROUNDING CONDUCTOR PROGRAM:

Electrical equipment noted in the A.E.G.C.P. must be visually inspected for damage or defects before each day's use. Employees must not use any damaged or defective equipment until repaired. There is to be a continuity test to ensure that the equipment-grounding conductor is electrically continuous. This test must be on all cord sets, receptacles which are not part of the permanent wiring of the building, and on cord and plug connected equipment, which are required to be grounded. A test must be performed on receptacles and plugs to ensure that the equipment grounding conductor is connected to it proper terminal. These tests are to be performed before the first use, after any repairs, and after any suspected damage, and at three-month intervals. Cord sets and receptacles, which are fixed and not exposed to damage, must be tested at six-month intervals. NO LATER. Any equipment failing to pass required test shall not be made available to employees for use.

#### INSPECTIONS:

Visual inspections will be made of cords, sets, cap, plug and receptacles of cord sets and equipment connected by cord and plug.

#### TESTS:

Tests will be conducted for continuity of equipment grounding conductor. Proper terminal connection of equipment grounding conductor.

#### HAZARD COMMUNICATION PROGRAM

To ensure that information about the dangers of 0 hazardous chemicals used by Wheels Mechanical Contracting is known by all affected employees, an information program has been established. All person working for Wheels Mechanical Contracting Company and its subcontractors will participate in the Hazard Communication Program. This written program is available at the office and job trailer and will be issued under separate cover. Any further questions should be directed to coordinator, Ms. Noreen F. Hartman.

#### OSHA:

The Occupational Safety and Health Act of 1970 provides job safety and health protection for workers by promoting safe and healthful working conditions throughout the nation. Provision of the Act includes information on employers, employees, inspections, complaints, citations, proposed penalties, voluntary activities and consultation. Additional information and copies of the Act, OSHA safety and Health standards and other applicable regulations may be obtained at the office. Joanna Morgan is the OSHA coordinator of Wheels Mechanical Contracting Company.

All OSHA regulations must be followed and enforced on all projects by Wheels Mechanical's employees, subcontractors, suppliers, and vendors at all times throughout the life of the project/contract.

#### JOBSITE SECURITY:

All tools, trailers, job boxes, etc. shall be secured with padlocks and chains if necessary.

#### MEDICAL SURVEILLANCE:

WHEELS MECHANICAL will establish and maintain an accurate record for each employee. This record will include:

- Name and social security number
- Copy of the employee's medical examination results
- Physician's written opinions
- Any employee medical complaints related to exposure to asbestos

#### 100% FALL PROTECTION:

Fall Protection shall be achieved by utilizing Railings, Personal Fall Arrest Systems, and Hole Covers. Body belts shall not be used as part of the personal fall arrest system.

#### PROJECT DIRECTORY:

The Project Directory / contact information is as follows:

#### Wheels Mechanical:

Office Phone: 412-405-9760 Emergency: 412-405-9531

Police, Fire, & Medical Emergencies: CALL 911

# WHEELS MECHANICAL CONTRACTING AND SUPPLIER, INC. PO BOX 600 Elrama, PA 15038 412-405-9760 FAX 412-405-9375

WHEELS MECHANICAL CONTRACTING AND SUPPLIER, INC. WILL PROVIDE A SAFE

AND HEALTHY WORKING CONDITION FOR OUR EMPLOYEES. THIS WILL BE

ACCOMPLISHED BY IMPLEMENTING OUR SAFETY PROGRAM

NOREEN F. HARTMAN

PRESIDENT



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

#### T-2D - Quality Control Plan

Wheels Mechanical Contracting & Supplier, Inc. (WM) continues to provide quality work on all of our projects, looking forward to a continuous working relationship with not only the other prime contractors, but with the owners, design team, and using agencies.

In order to accomplish this continued quality, WM has developed the attached Quality Assurance Plan. In addition to this plan, the assigned project manager will track the following items:

- Change Orders
- RFI's
- Subcontractor Status
- Submittals
- Invoicing
- Testing
- Punchlists
- Closeout Procedures & Documents

## WHEELS MECHANICAL CONTRACTING'S QUALITY ASSURANCE PLAN

The goal of this plan is to explicitly plan for the quality related activities needed to ensure that the project meets the requirements of the owner. This is a living document that may need to be revised as the project progresses.

The following elements of the program will be described in detail:

#### 1. Management Responsibility:

- The project manager is responsible to ensure that all aspects of the quality plan are being utilized. This will be accomplished by making weekly visits to inspect all products and installations.
- The onsite foreman shall receive and inspect all products for nonconformity.
- The onsite foreman shall inspect all materials prior to installation.
- The onsite foreman shall inspect and test all systems prior to final acceptance.

#### 2. Documented Quality Management System:

- All products are to be factory inspected prior to delivery to the jobsite. Documentation is handled differently by each manufacturer utilized on this project.
- The onsite foreman will sign for and accept products on the jobsite, after receiving and inspecting all products for nonconformity.
- The prevailing plumbing inspector will perform periodic inspections of all systems for conformity of the prevailing plumbing code during rough-in and the final trim stage. Documentation is issued at each and every inspection.
- All records of testing and inspections will be kept onsite throughout the duration of the project for review.

#### 3. Design Control:

- All phases of the project in which we are responsible for design will be submitted to the prevailing code officials for review and approval.
- As-Built documents will be accurately kept throughout the progression of the project. They will be formally submitted upon the conclusion and acceptance of the project.

#### 4. Document Control:

- The project manager is responsible for the document control of this project. This includes, but is not limited to, the subcontracts, submittals, testing forms (as applicable), rough-in inspection forms, final inspection forms, operations & maintenance manuals, and As-Built drawings.
- The onsite foreman is responsible to submit all field related documents to the project manager, during the project manager's weekly visit.

#### 5. Purchasing:

- The project manager is responsible for the purchasing of all materials for this project.
- No materials are to be purchased without an approved project submittal, which conforms to the specific project requirements. The onsite foreman will have a copy of all approved submittals for this project, and shall not accept / receive any materials not conforming to the approved project submittals.

#### 6. Product Identification & Traceability:

- Only products meeting the requirements of the project specifications will be submitted for approval. Individual systems will be specifically identified in accordance with the project specifications.
- All materials will be identifiable with manufacturer markings. Any
  materials delivered to the jobsite without identification will not be
  accepted / received by our onsite foreman.
- Any attic stock (as applicable) will be sorted and identified prior to submission to the owner. A signature of receipt will be required in order to document submission of attic stock.

#### 7. Process Control:

• The process control requirements will be submitted at the completion of the project in the form as Operations & Maintenance Manuals. This will need to be strictly adhered to by the owner, after job acceptance, for warranty purposes.

#### 8. Inspections & Testing:

- All materials are to factory tested prior to delivery to the jobsite. Each manufacturer has different procedures for handling "in-factory" testing.
- The onsite foreman is responsible for performing tests to be witnessed by the prevailing plumbing inspector. Once approved by the inspector, an inspection form will be given to the onsite foreman.

• Upon completion of the project, the prevailing plumbing inspector will perform a "Final Plumbing Inspection". Once approved by the inspector a final inspection form will be given to the onsite foreman.

#### 9. Inspection, Measuring, and Test Equipment:

- Plumbing rough-in inspections are handled by visual tests. Although the onsite foreman utilizes additional equipment from time to time, the prevailing plumbing inspector will provide their own, calibrated testing equipment.
- Concrete samples and soil compaction samples will be taken to ensure conformance with the project requirements, as applicable.

#### 10. Inspection & Test Status:

- The onsite foreman is responsible to request periodic rough-in inspections by the prevailing plumbing inspector during the course of the project.

  These inspections will coincide with the testing of the plumbing system.
- The prevailing plumbing inspector will perform a final plumbing inspection, which will include a testing of the entire plumbing system.

#### 11. Nonconformance:

- The onsite foreman shall receive and inspect all deliveries for nonconformance.
- The onsite foreman shall inspect and test all installed systems for nonconformance.

#### 12. Corrective Action:

- All nonconforming items shall be removed from the jobsite and new ones ordered.
- All nonconforming items identified during the testing / inspection phase of the work shall be removed from the jobsite and new ones ordered.

#### 13. Quality Records:

- The onsite foreman is responsible to keep and maintain delivery slips, testing forms, and inspection forms for this project. They are to be submitted to the project manager during the project manager's weekly visit.
- The onsite foreman is responsible to keep and maintain current As-Built drawings at all times.
- The project manager is responsible to keep all project documentation for a period of 5 years after final completion of the project.

#### 14. Quality Audits:

• The project manager is responsible to perform periodic audits to ensure that quality records are complete and in satisfactory condition.

#### 15. Training:

• Training will be provided in accordance with Wheels Mechanical's Safety Program for this project. This training will be job specific.

The following organizational chart will identify the individuals responsible for various portions of this project:

Project Managers: Al Chlystek / Michael Hartman

Phone: 412-405-9760 Fax: 412-405-9375

Email: al@wheelsmechanical.com

The project manager will also be assigned the responsibility of Quality Assurance Supervisor.



Physical Address: 1473 Route 837, Elrama, PA 15038-0600 Mailing Address: P.O. Box 600, Elrama, PA 15038-0600 Phone: 412-405-9760 – Fax: 412-405-9375

Pennsylvania Unified Certification Program (Disadvantaged Business Enterprise) Certification I.D. #12028

#### **T-3A – Staffing Resources**

Wheels Mechanical Contracting & Supplier, Inc.'s (WM) project team will consist of the following personnel for project #DGS C-210-0004 Phase 1 (New DNA Facility Pennsylvania State Police – Greensburg, PA):

#### 1. Michael Hartman – Senior Project Manager

- Mr. Hartman oversees all project managers within WM. He brings over 35 years of construction knowledge and experience to the project. All aspects of construction projects have been managed by Mr. Hartman including: General Construction, HVAC Construction, Plumbing Construction, and Electrical Construction. This well-rounded background enables him to see things from many different perspectives.

#### 2. Albert Chlystek – Project Manager

- Mr. Chlystek oversees most projects within WM. He brings over 25 years of plumbing construction knowledge and experience to the project, not only as a project manager, but also as a licensed Master Plumber. Mr. Chlystek has previously been foreman as well on projects identical to this project. His responsibilities will start from schedule development, continue through the day to day operations of the project, including attending the project meetings, and will commence with final project closeout. In addition, Mr. Chlystek has worked on several previous Department of General Services projects, including currently completing a project for the Pennsylvania State Police in Greensburg, PA.

#### 3. Donald Goulder – Plumbing Supervisor / Foreman

- Mr. Goulder is a top supervisor/foreman within WM. He brings over 30 years of plumbing construction knowledge and experience to the project. He is also a licensed Master Plumber. Mr. Goulder has been foreman on previous projects similar in nature to this particular project, regarding new construction and renovations to Science & Lab Facilities. He will be the day to day onsite foreman for WM. In addition, Mr. Goulder will complete the New Pennsylvania State Police Headquarters in Greensburg, PA., prior to this project commencing. This experience with the Management Team as well as the Pennsylvania State Police will also aid him in the construction of this new DNA Facility.

- 4. William Yeckley Jr. Quick Response Fire Protection Project Manager (Subcontractor)
  - In addition to being one of the owners, Mr. Yeckley Jr. is a key project manager, designer, and estimator with Quick Response Fire Protection. He brings over 35 years of experience in the fire protection industry. In addition, he is also a member of the National Fire Sprinkler Association (NFSA). Mr. Yeckley Jr. has been involved in Laboratory settings for various entities such as industrial, educational, nursing, technical, and many universities and high schools with science and education labs. He will be the project manager for our fire protection subcontract on this project. Along with Wheels Mechanical Contracting, Mr. Yeckley Jr. also is currently completing the new Kopchick Hall (Science Building) for Indiana University of Pennsylvania in Indiana, PA. The experiences WM has had working with Quick Response Fire Protection, as well as Quick Response Fire Protection's experience with the Department of General Services will also aid him in the construction of this new DNA Facility.

In addition to the above listed individuals, WM is a signatory to the local Plumbing Unions (27 & 354), which cover this project's location. Although we have key plumbers working for us 12 months every year, we can pull manpower from the local plumbing unions (27 & 354).

Quick Response Fire Protection is a signatory to the local Sprinkler Fitters Union (669), which covers this project's location. Although their key personnel for this project are already currently on staff, they can pull manpower from local the sprinkler fitters union (669).



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#### **T-3B – Skill Training**

Wheels Mechanical Contracting & Supplier, Inc. (WM) is a signatory with the local Plumbing Unions (27 & 354) serving this project's location.

All of the plumbers WM utilizes are highly skilled and properly trained union plumbers, in which continuing education is offered and accepted. This is in addition to the periodic training that WM offers above and beyond the local unions. Some of the additional programs offered by WM are as follows:

- 1. Backflow Preventer Devices Testing Certification
- 2. Gas Fusion Certification
- 3. Gas Mechanical Joint Certification
- 4. PEX Certification
- 5. Press Joint Certification



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#### **T-3C – Workforce Safety**

Wheels Mechanical Contracting & Supplier, Inc. (WM) strives to provide a safe and healthy work place. This is implemented through the attached safety plan and weekly Tool Box Talks. In addition, specific training such as asbestos awareness, trench safety, etc. is given to all field employees.

All of our plumbers are secured from the Building Trades Union, in which further safety training is offered and obtained. This would include, but not be limited to the following programs:

- 1. Trench Safety Certification
- 2. OSHA 10 Hour Certification
- 3. OSHA 40 Hour Certification
- 4. Asbestos Awareness Training
- 5. Lead Paint Awareness Training

In addition, several of our key employees are part of a drug consortium, as many of our projects mandate this requirement.

## APPENDIX A PROPOSAL SIGNATURE PAGE

### APPENDIX A PROPOSAL SIGNATURE PAGE

**Proposer's Representations and Authorizations.** Proposer by signing this Proposal Signature page and submitting its proposal understands, represents, acknowledges and certifies that:

- a. All information provided by, and representations made by, the Proposer in the proposal are material and important and will be relied upon by the Proposal Evaluation Committee in reviewing the Proposal and by DGS in awarding the contract. Any misrepresentation of a material fact or omission of material fact by the entity submitting the proposal shall be treated as fraudulent concealment from the Commonwealth of the true facts relating to the submission of the proposal. If the misrepresentation and/or omission of material fact is discovered during the review of the proposal, the proposal will be automatically disqualified. Discovery of the misrepresentation and/or omission of material fact after contract award constitutes grounds for defaulting the contractor and may lead to debarment procedures being instituted against the contractor. A misrepresentation shall be punishable under 18 Pa. C.S. § 4904.
- b. Proposer acknowledges that they have received, read and understood all Addenda issued for the Project.
- c. Proposer agrees and certifies to have read the applicable paragraphs of the RFP with regard to the Project Labor Agreement (PLA) as it pertains to this Project. Proposer further agrees and certifies that if they are the apparent successful Proposer, the Proposer's firm will become a signatory to the PLA (a copy of which is included with the RFP) and require all subcontractors of every tier to execute a Letter of Assent agreeing to the terms of the PLA.
- d. The price and amount of this proposal have been arrived at independently and without consultation, communication or agreement with any other Proposer or potential Proposer.
- e. Neither the price nor the amount of the proposal, and neither the approximate price nor the approximate amount of this proposal, have been disclosed to any other firm or person who is a Proposer or potential Proposer, and they will not be disclosed on or before the proposal submission deadline specified in the Notice to Proposers and the Calendar of Events.
- f. No attempt has been made or will be made to induce any firm or person to refrain from submitting a proposal on this contract, or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal or other form of complementary proposal.

- g. The proposal is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.
- h. To the best knowledge of the person signing the proposal for the Proposer, the Proposer, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any local, state or federal governmental agency and have not in the last four (4) years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding or proposing on any public contract, except as disclosed by the Proposer in its proposal.
- i. To the best of knowledge of the person signing the proposal for the Proposer and except as otherwise disclosed by the Proposer in its proposal, the Proposer has no outstanding, delinquent obligations to Commonwealth including, but not limited to, any state tax liability not being contested on appeal or other obligation of the Proposer that is owed to Commonwealth.
- j. The Proposer is not currently under suspension or debarment by Commonwealth, or any other local, state, or the federal government. If the Proposer cannot so certify, then it shall submit along with its proposal a written explanation of why it cannot make such certification.
- k. The Proposer has not, under separate contract with the DGS made any recommendations to DGS concerning the need for the services described in the proposal or the specifications for the services described in the proposal.
- 1. Each Proposer, by submitting its proposal, authorizes all Commonwealth agencies to release to Commonwealth information related to liabilities to Commonwealth of Pennsylvania including, but not limited to, taxes, unemployment compensation, workers' compensation liabilities and Prevailing Wage Act.
- m. Until the selected Proposer receives a fully executed and approved written contract from the DGS, there is no legal and valid contract in law or in equity, and the Proposer should not begin to perform work. If a Letter of Intent has been issued, the Proposer may proceed in accordance with the terms of the Letter.
- n. Proposer is not currently engaged, and will not during the duration of the contract engage, in a boycott of a person or an entity based in or doing business with a jurisdiction which the Commonwealth is not prohibited by Congressional statute from engaging in trade or commerce; and is eligible to contract with the Commonwealth under Section 3604 of the Procurement Code.

o. Proposer agrees and certifies to abide by, but not be limited to, the Commonwealth of Pennsylvania Acts, Provisions, Clauses, and Statements stated in the Contract Documents.

I am authorized to sign this proposal on behalf of the Proposer and I agree and state that Wheels Mechanical Contracting & Supplier, Inc. (Name of Firm) understands and acknowledges that the above representations are material and important, and will be relied upon by the Proposal Evaluation Committee and the Department of General Services in awarding the contract(s) for which this proposal is submitted. I understand and my firm understands that any misstatement shall be treated as fraudulent concealment from the Department of General Services of the true facts relating to the submission of this proposal.

Witness:	By:
THE RESERVE OF THE PARTY OF THE	General Partner / Authorized LLC Member
	Ву:
	Limited Partnership
PROPOSER IS A CORPORATION:	
Attest: By:  Moreun Harton an Secretary/Treasurer	Moreen Harlman President/Vice-President
Noreen F. Hartman - Secretary	Noreen F. Hartman - President
PROPOSER IS A JOINT VENTURE:	
Attest: By:	
Secretary	President
Attest:	Ву:
Secretary	President

## APPENDIX B

Non-Collusion Affidavit

### Appendix B NON-COLLUSION AFFIDAVIT

#### INSTRUCTIONS FOR NON-COLLUSION AFFIDAVIT

- 1. This Non-collusion Affidavit is material to any contract awarded pursuant to this proposal. According to §4507 of the Commonwealth Procurement Code, 62 Pa. C.S. §4507, governmental agencies may require Non-collusion Affidavits to be submitted with proposals.
- 2. This Non-collusion Affidavit must be executed by the member, officer, or employee of the Proposer who makes the final decision on prices and the amount quoted in the proposal.
- 3. Bid rigging and other efforts to restrain competition, and the making of false sworn statements in connection with the submission of proposals are unlawful and may be subject to criminal prosecution. The person who signs the affidavit should examine it carefully before signing and assure himself or herself that each statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the Proposer with responsibilities for the preparation, approval or submission of the proposal.
- 4. In the case of a proposal submitted by a joint venture, each party to the venture must be identified in the proposal documents and an affidavit must be submitted separately on behalf of each party to the joint venture.
- 5. The term "complementary proposal" as used in the affidavit has the meaning commonly associated with that term in the proposal process, and includes the knowing submission of proposals higher than the proposal of another firm, any intentionally high or noncompetitive proposal, and any other form of proposal submitted for the purpose of giving a false appearance of competition.
- 6. Failure to submit a Non-collusion affidavit with the Proposal in compliance with these instructions may result in disqualification of the proposal.

#### NONCOLLUSION AFFIDAVIT

State of Pennsylvani	a .	DO	GS Project Number:	C-0210-0004 Phase 001
County of Washing			33 i roject rumber.	Revised Rebid
	e President am authorized to makers. I am the person res	ce this affidavit of		n, and its owners,
I state that:				
	and amount of this pro communication or agre			
nor approxim	orice(s) nor the amount nate amount of this pro- poser or potential propo- ate.	posal, have been	disclosed to any oth	her firm or person
proposing on	nas been made or will this contract, or to su nally high or noncon	bmit a proposal h	nigher than this prop	osal, or to submit
discussion w	l of my firm is made ith, or inducement fron petitive proposal.			
directors, and and have not state or fede	d employees are not cur in the last three years l ral law in any jurisdict d/or bidding on any pu	rently under inveneen convicted or cion, involving co	found liable for any onspiracy or collusion	vernmental agency act prohibited by
the above represent of General Services and my firm under	tations are material and s in awarding the contract and s that any missiment from the Departm	d important, and vact(s) for which the statement in this tent of General Section 2015	nis proposal is submi affidavit is and sl	by the Department itted. I understand hall be treated as facts relating to the
(Signatory's Printe	d Name)		Wet Collins	
	u ivame)	No	otary Public	
President			Committee Emil	
(Signatory's Title)		M.	y Commission Expir 9-11-2023	res
			ommonwealth of Pennsylv Albert Chlystek, Not Washington Co y commission expires Se Commission numbe	tary Public ounty ptember 11, 2023

Member, Pennsylvania Association of Notaries