

#### PRE-BID MEETING AUGUST 29, 2017







#### **AGENDA**

- Introduction of Team
- Project Overview
- Issuance of Construction Documents
- Bid Packages
- Important Preconstruction Dates
- HUB Participation Requirements
- Project Schedule / Milestone Dates
- Questions



#### INTRODUCTION OF THE TEAM

#### **UNC CHARLOTTE**

**Brian Kugler** – Senior Project Manager **Doug Walters** – Construction Manager **Dorothy Vick** – HUB Coordinator

#### **CONSTRUCTION MANAGER**

Glenn Wise – Preconstruction Director
Grady Dwiggins – Project Engineer
Joe Crompton – Senior Project Manager
Chris Zananiri – Project Director
Steve Tabor – Project Superintendent

#### **DESIGNERS**

LS3P – Sharon Huot AIA, CDT, LEED AP LS3P – Krissy Ferguson AIA, CDT, LEED AP LAND DESIGN – Civil SKA ENGINEERS – Structural OPTIMA ENGINEERING – MEPF Engineer KIMLEY HORN – Road Improvement



#### PROJECT OVERVIEW

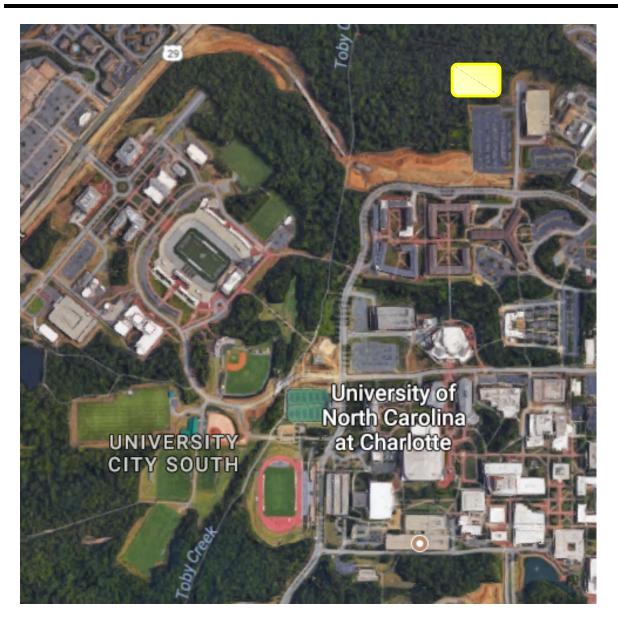
#### **EARLY SITE / STRUCTURAL PHASE**

- 13 acres Currently underway
- Site Demolition, Clearing, Grading, Utilities, Asphalt Paving, Curb & Gutter,
   Site Concrete, Building Concrete, Structural Steel, etc.

#### **BUILDING PHASE**

Site Fencing, Polished Concrete, Masonry, Casework/Countertops,
Waterproofing/Air Barriers, Joint Sealants, Roofing, Gutters & Downspouts,
Doors/Frames/Hardware, Overhead Doors, Loading Dock Equipment,
Storefront, Glass & Glazing, Gypsum Board Assemblies, Acoustical Ceilings,
Tile, Carpet, VCT, LVT, Painting, Specialties, Signage, Metal Lockers, Window
Treatments, Pre-Engineered Metal Buildings, Fire Protection, Plumbing, HVAC,
Test & Balance, Electrical, Security, Fire Alarm, Telecom.



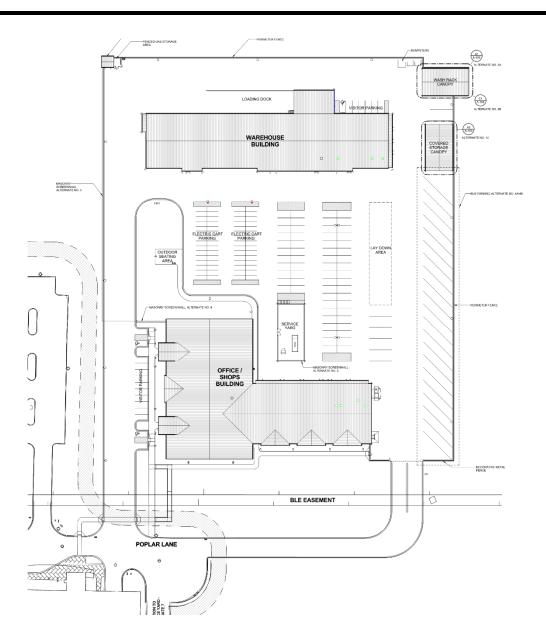


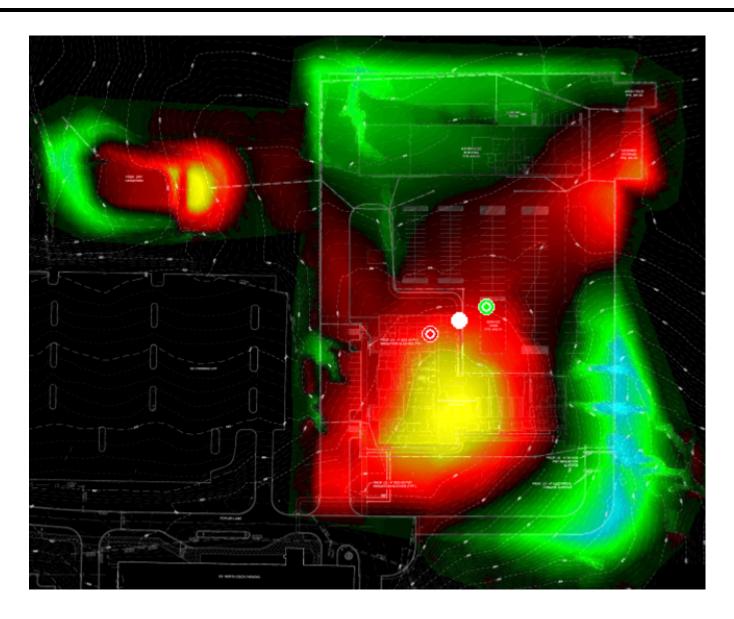
Project
Located North
of Lot 25,
across Poplar
Lane from the
North Deck



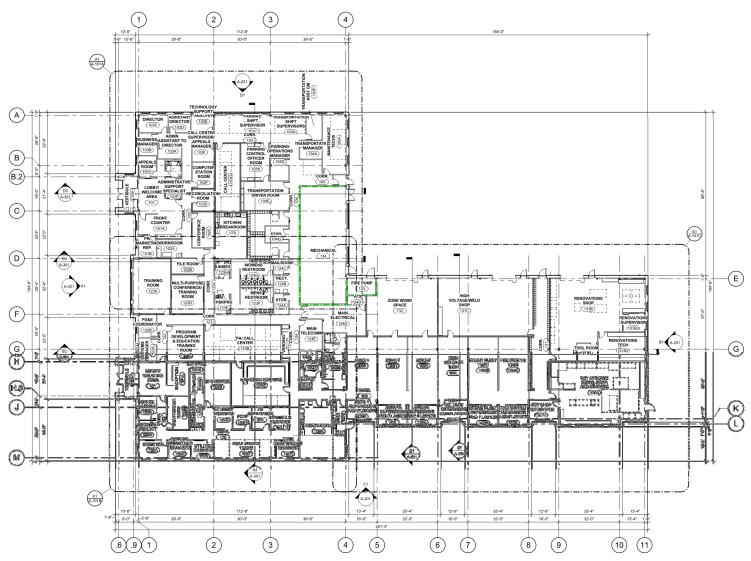




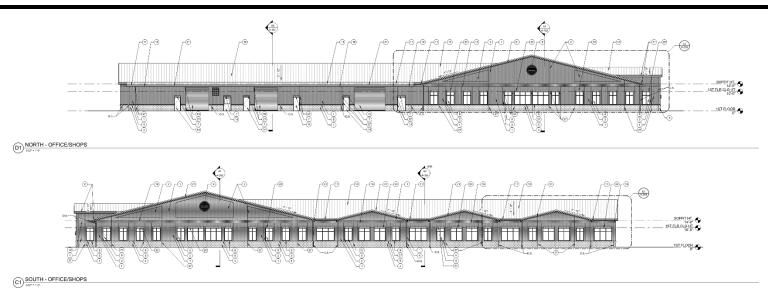


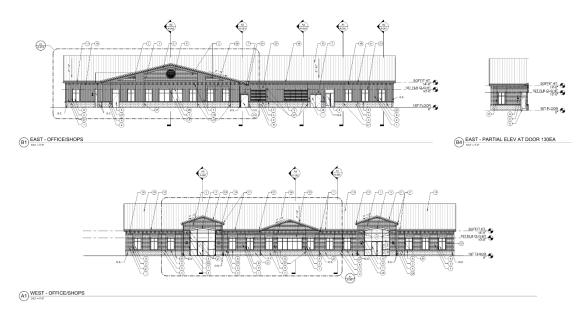


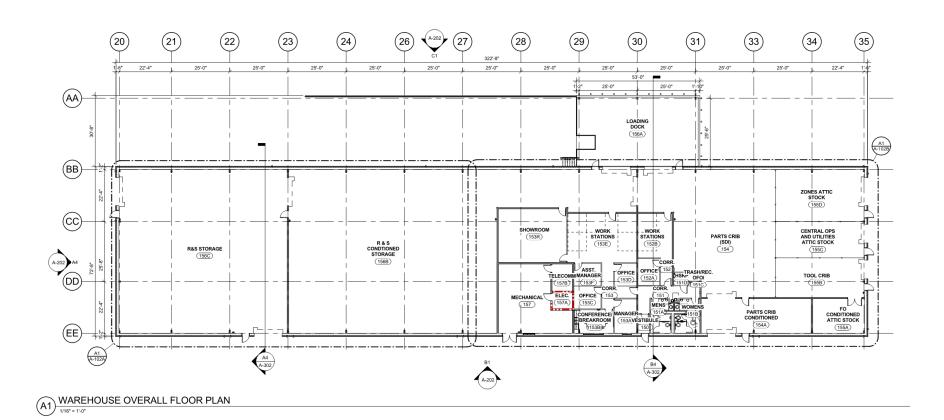




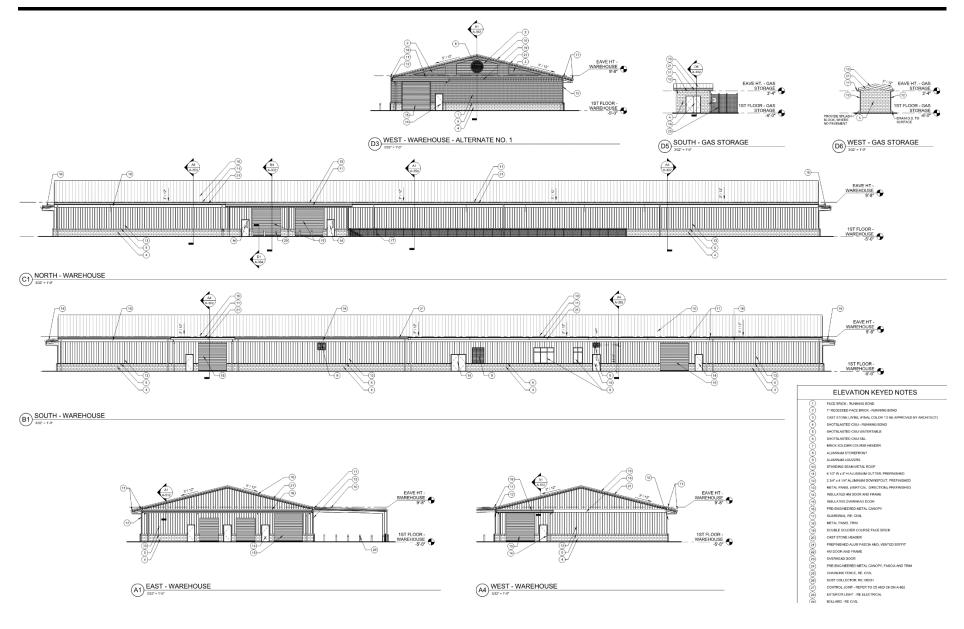






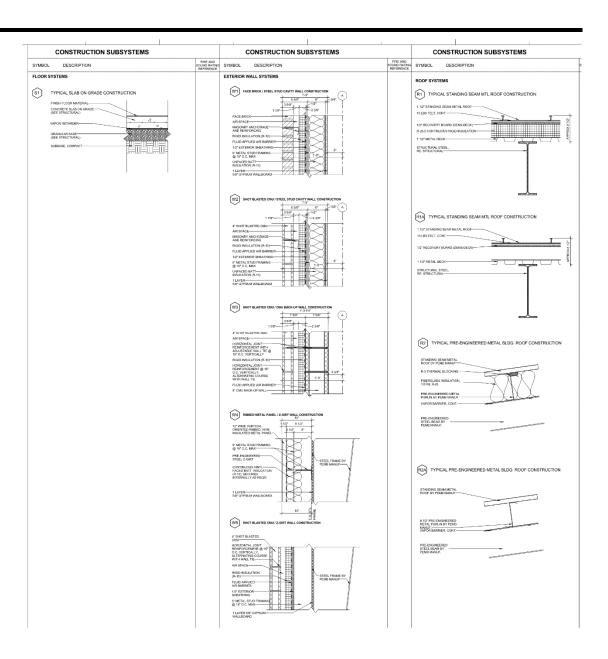






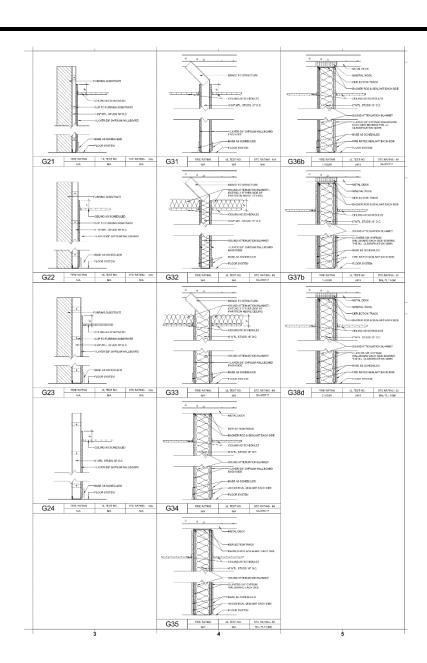


# Exterior Walls & Roofing



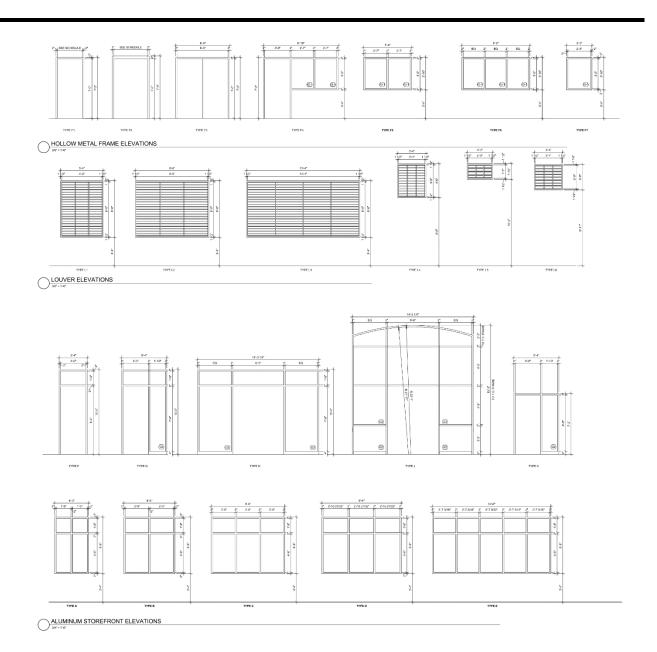


#### **Interior Partitions**



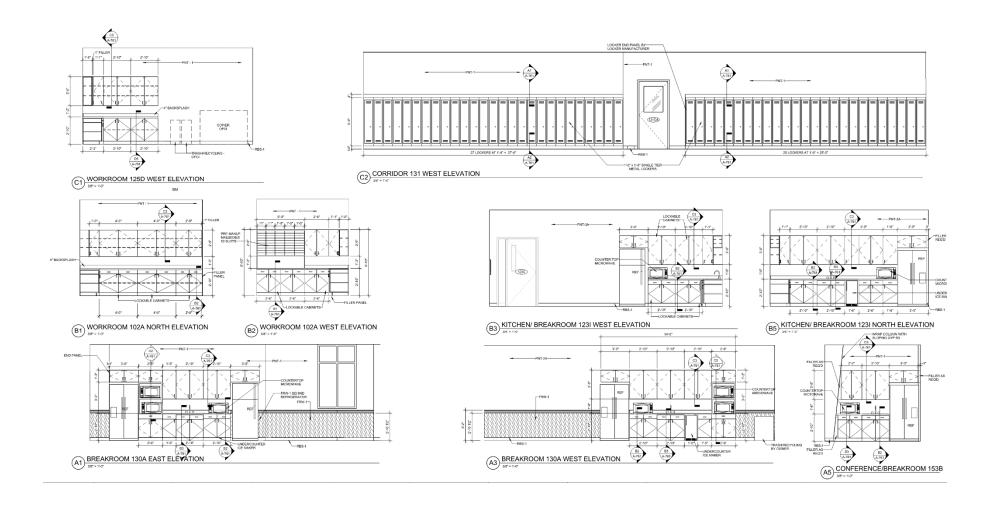


# Frames, Storefront, Glass, & Louvers



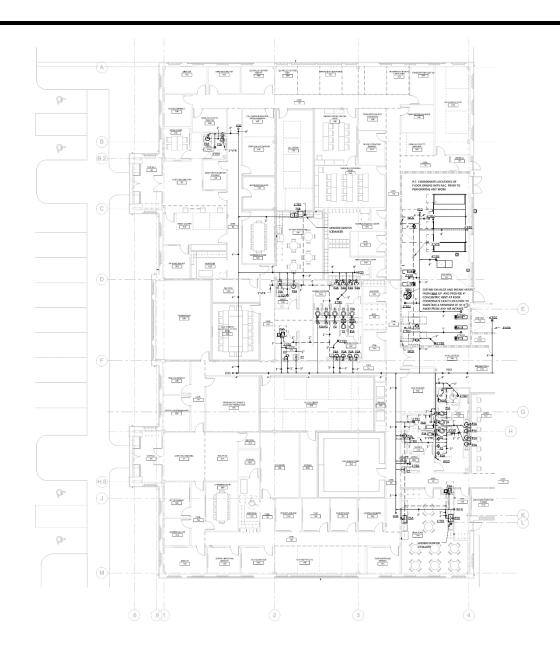


#### **Interior Elevations**



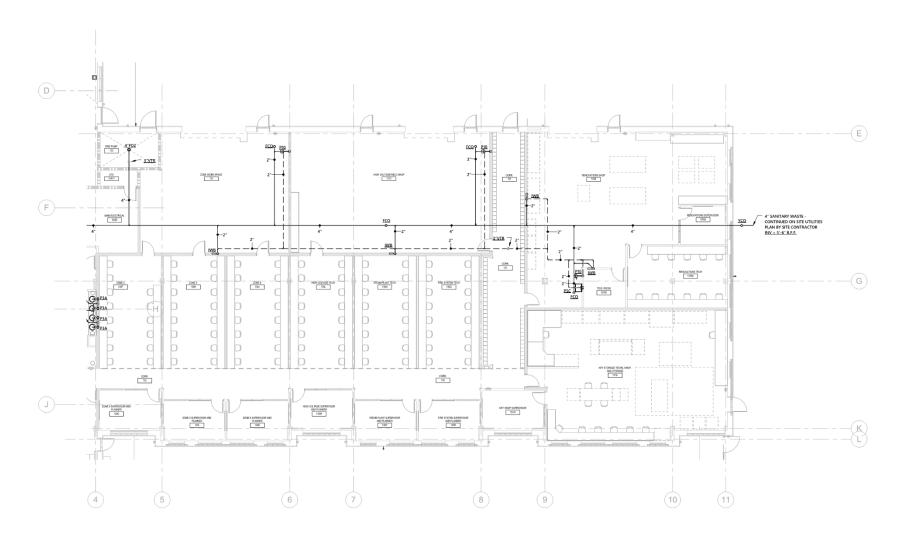


# Plumbing – Office/Shops



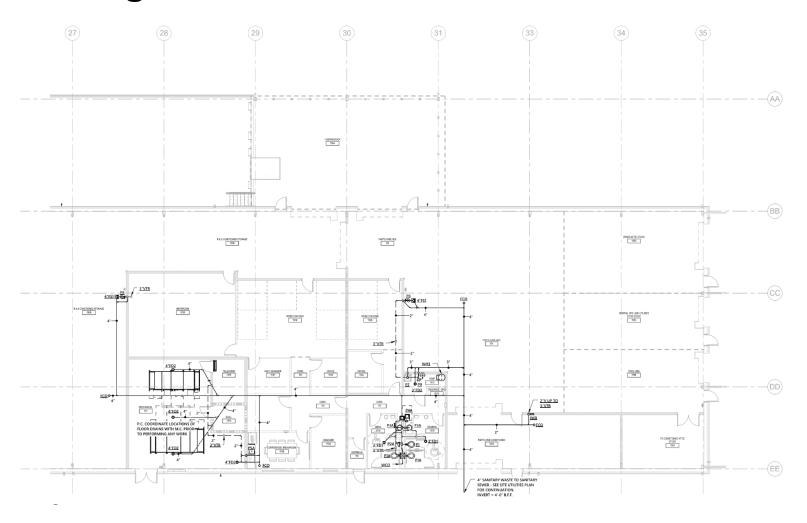


### Plumbing – Office/Shops



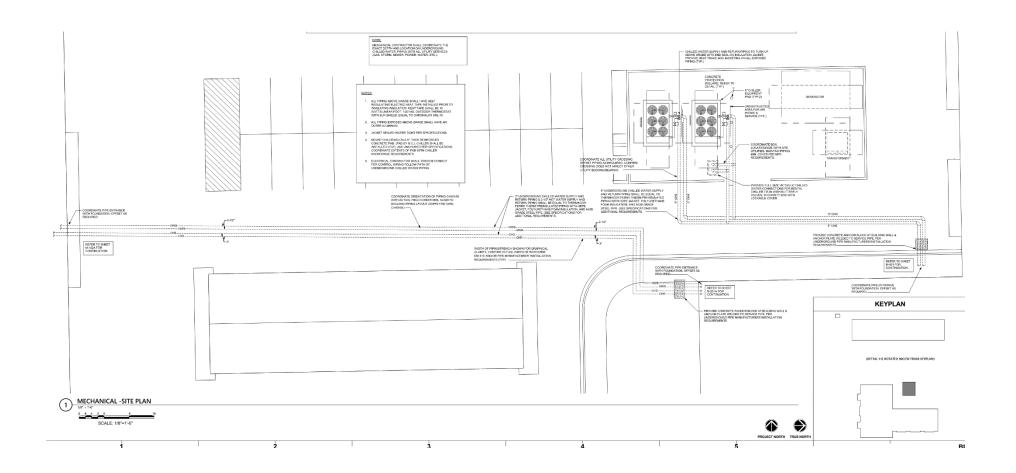


#### Plumbing - Warehouse



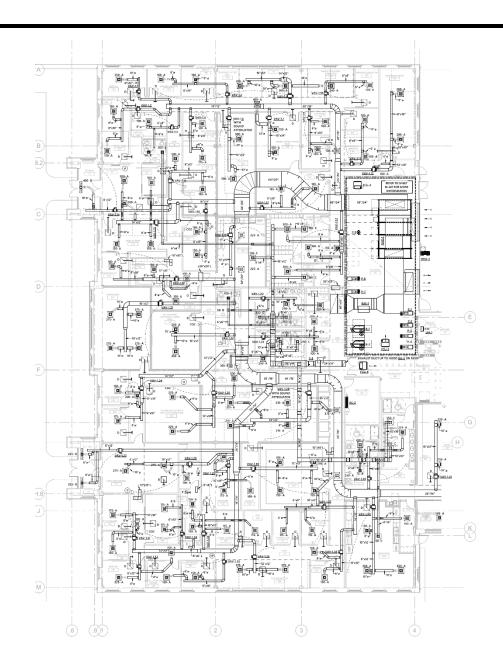


#### **Mechanical - Site**



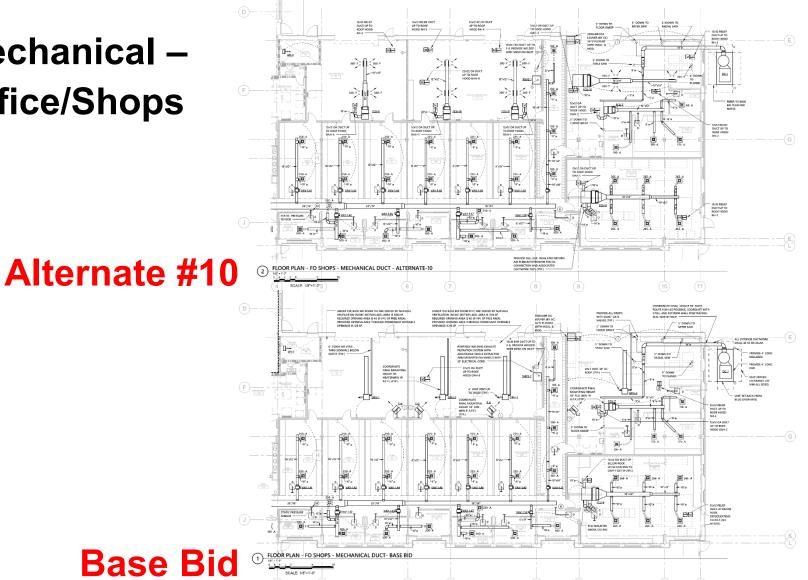


# Mechanical – Office/Shops





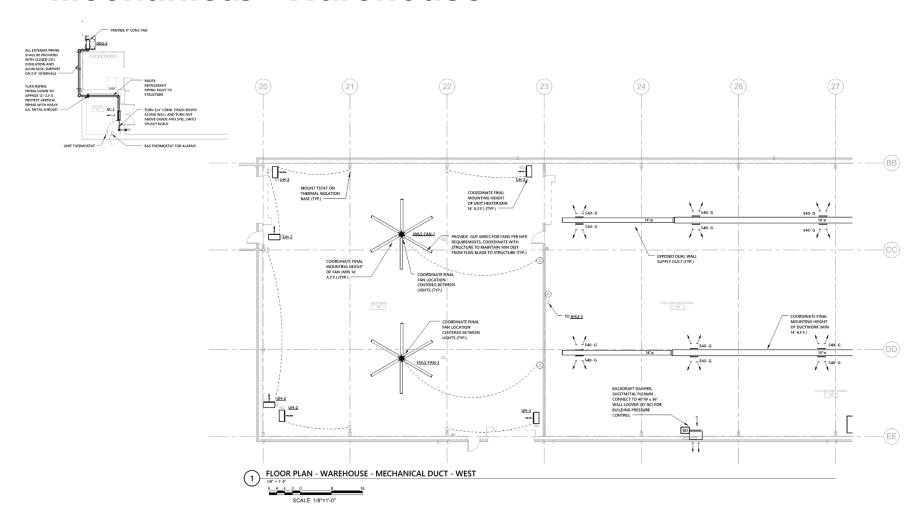
# Mechanical -Office/Shops



**Base Bid** 

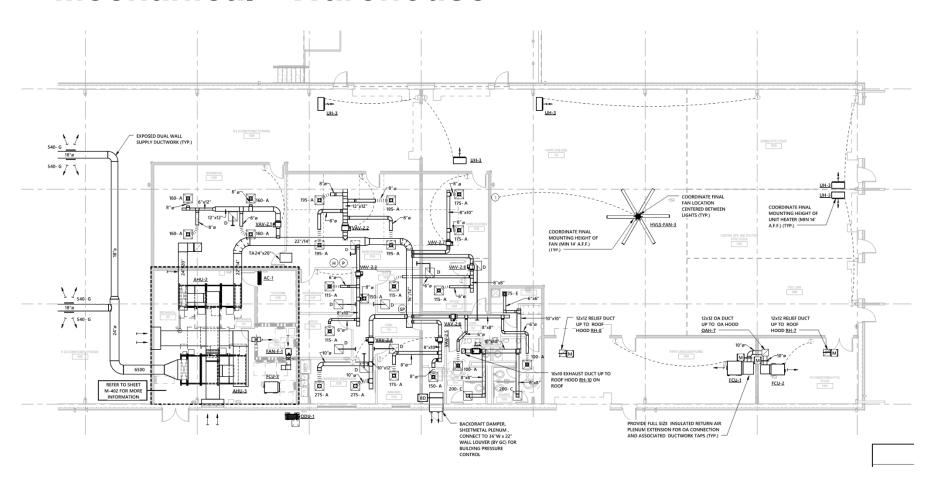


#### **Mechanical - Warehouse**



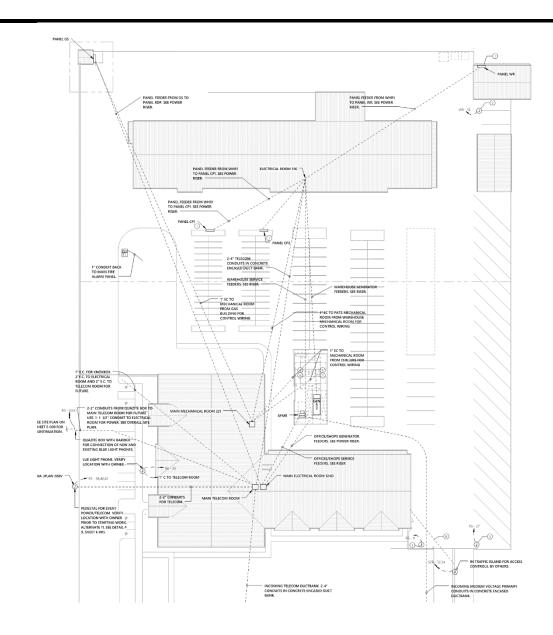


#### **Mechanical - Warehouse**



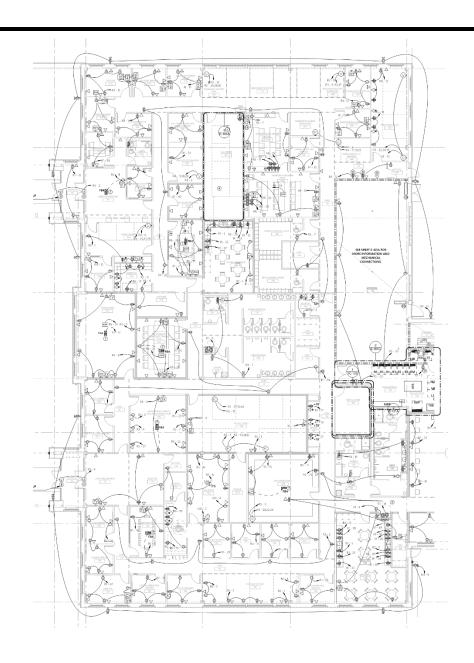


# Electrical – Site



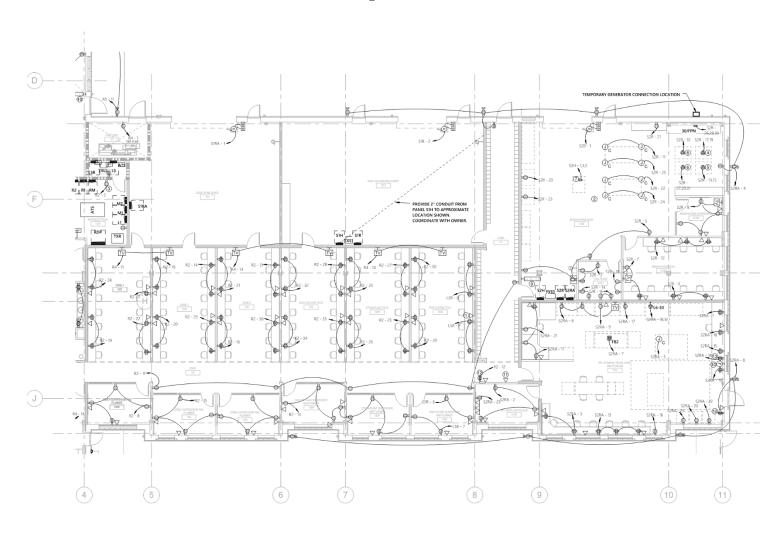


# Electrical – Office/Shops



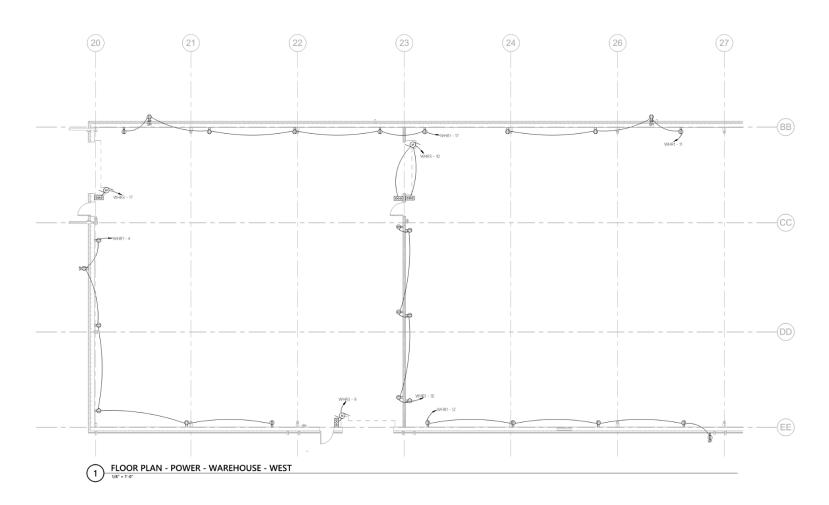


#### **Electrical – Office/Shops**



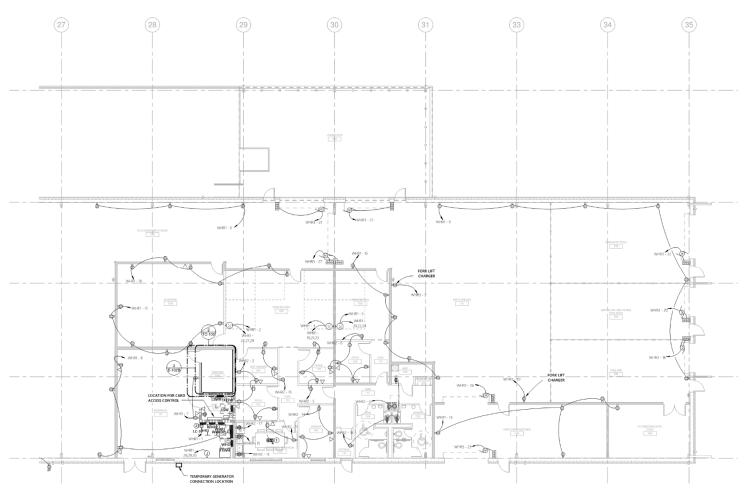


#### **Electrical – Warehouse**



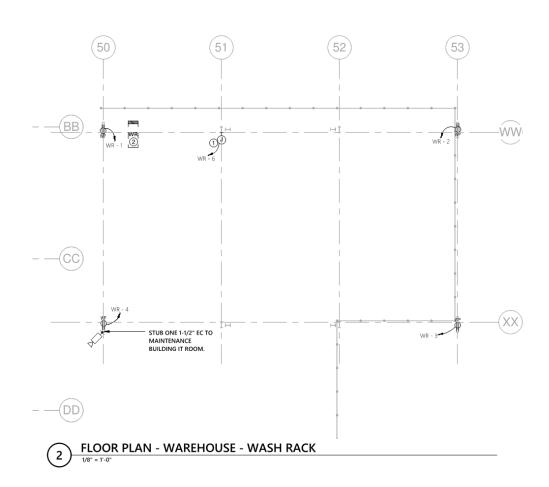


#### **Electrical – Warehouse**





#### **Electrical – Washrack**





#### PROJECT ALTERNATES

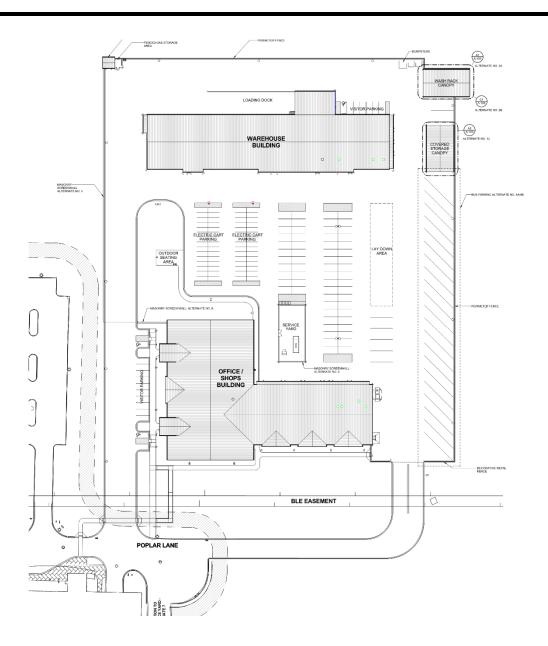
Alternate No. 1: Provide brick façade in lieu of metal siding on the south facade of Warehouse building as detailed on the Drawings and described in the Specifications.

Alternate No. 2A: Provide pre-engineered metal canopy for Wash Rack as detailed on the Drawings and described in the Specifications.

Alternate No. 2B: Provide decorative CMU masonry walls, on two sides, and roof for Wash Rack in lieu of pre-engineered metal canopy as detailed on the Drawings and described in the Specifications.

Alternate No. 3: Provide decorative CMU with ribbed interior finish masonry screenwall with precast cap in lieu of chain link fence around Service Yard as detailed on the Drawings and described in the Specifications.







#### PROJECT ALTERNATES

Alternate No. 8: Extend telecomm infrastructure along Poplar Lane as detailed on the Drawings. Scope of work includes new concrete encased duct bank from existing manhole to new Telecommunications manhole.

Alternate No. 9: Provide decorative CMU masonry screenwall with precast cap in lieu of decorative metal fence along south edge of complex as detailed on the Drawings and described in the Specifications.

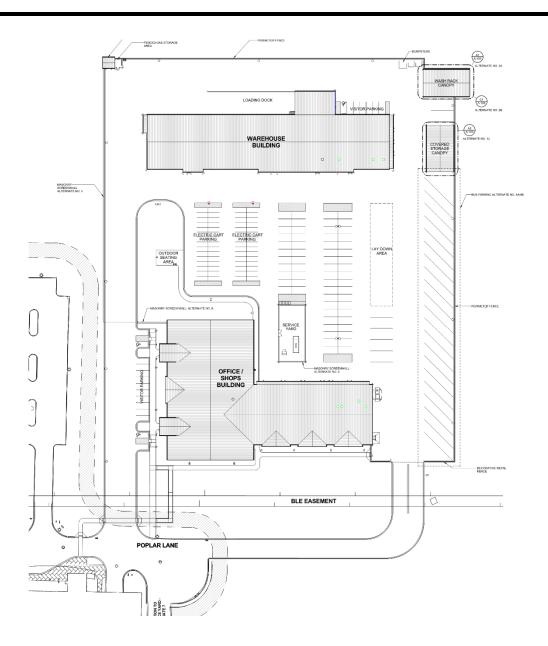
Alternate No. 10: Condition shops areas as indicated on the Drawings and described in the Specifications.

Alternate No. 11: Install event power as indicated on the Drawings and described in the Specifications.

Alternate No. 12: Provide pre-engineered metal canopy for Covered Storage as detailed on the Drawings and described in the Specifications.

Alternate No. 13: Provide lightning protection system as described in the specifications.







#### OWNER PREFERRED ALTERNATES

Alternate No. P1: Provide Schlage Locksets, (no substitutions) as described in Specification Section 087100.

Alternate No. P2: Provide Simplex Fire Detection Systems, (no substitutions) as described in Specification Section 283111.

Alternate No. P3: Provide Open Option Systems, (no substitutions) as described in Specification Section 281300.

Alternate No. P4: Provide Hanson Brick, "Morrocroft Special" brick (no substitutions), as described in Specification Section 042000.

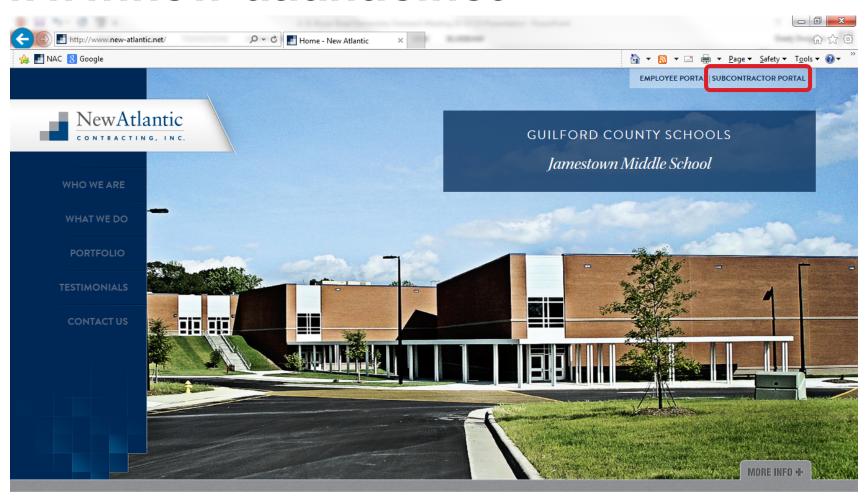
Alternate No. P5: Provide Pine Hall, English Edge Pavers, (no substitutions) as described in Specification Section 321400.



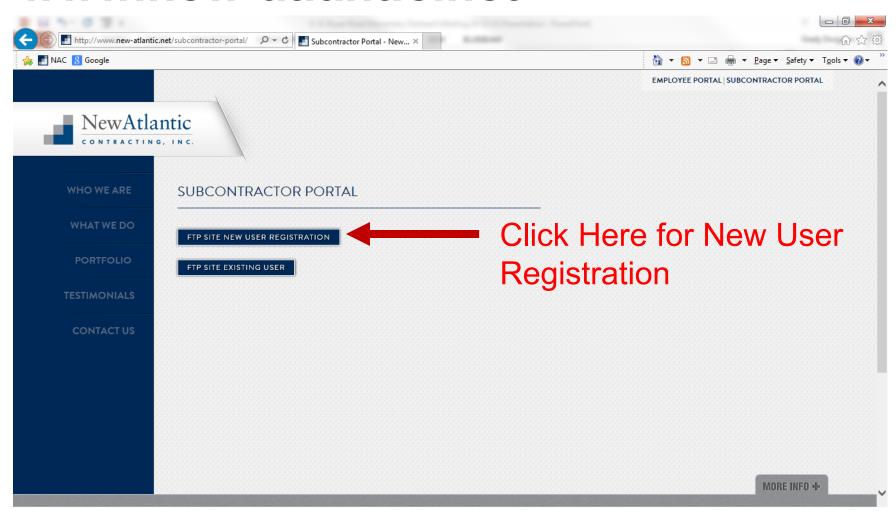
#### **CONSTRUCTION DOCUMENTS**

- Charlotte Area
  - Sharpe Images (Charlotte)
- Triad Area
  - Sharpe Images (Winston-Salem)
  - New Atlantic Contracting Office
    - Contact Grady Dwiggins to check availability
- www.new-atlantic.net

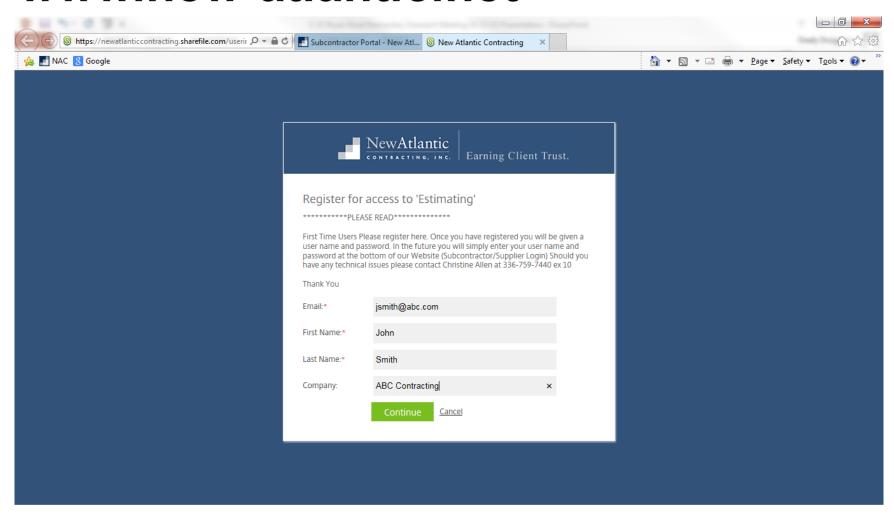




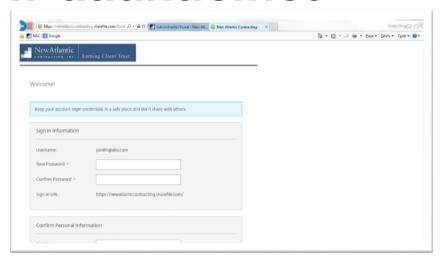


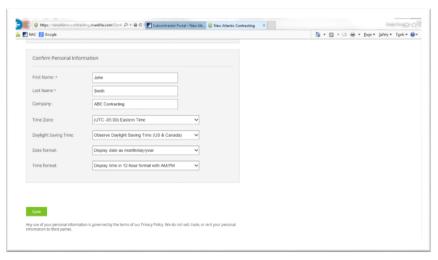




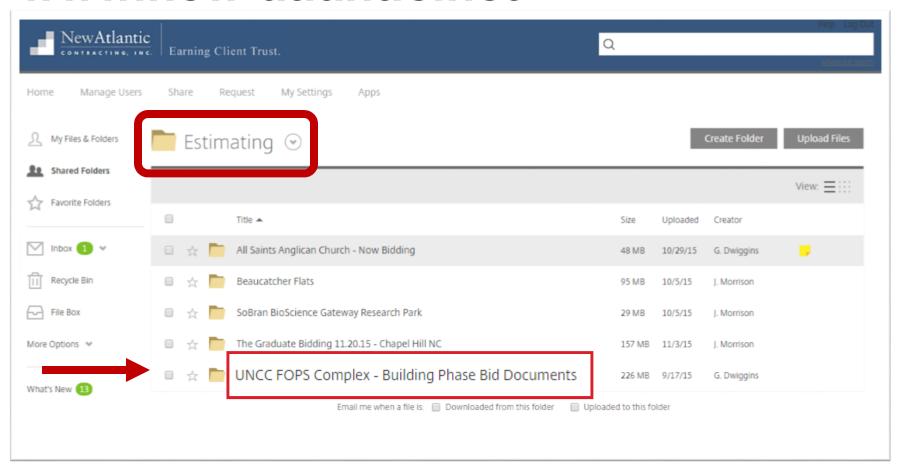














#### **IMPORTANT DATES – PRECONSTRUCTION**

- Deadline for Questions & Substitution Requests
  - Tuesday September 5, 2017 @ 5:00pm
- Last Addendum Issued
  - Tuesday September 12, 2017
- BID OPENING
  - Tuesday September 19, 2017 @ 2:00pm



#### IMPORTANT DATES – PRECONSTRUCTION

- BID OPENING
  - Tuesday September 19, 2017 @ 2:00pm
- Bids may be hand delivered to bid room at bid time
  - Lucas Room (#341) in the Cone University Center Building
- Bids may be hand delivered or mailed prior to the bid opening – provided they arrive no later than 1:00pm on day of bid opening

Addressed to: Ms. Joyce Clay

**UNC Charlotte** 

Facilities Management / Capital Projects

9201 University City Blvd.

Charlotte, NC 28223

Reference: Facilities Operations and Parking Services Complex



#### **REDUCING BARRIERS**

- HUB Goals 30%
  - Focus on Diverse Workforce
  - Good Faith Efforts
- Bid Packaging
  - Building Phase First-Tier Opportunities
  - Intentional in creating multiple 2<sup>nd</sup> & 3<sup>rd</sup> tier opportunities
    - Labor, Material Supplier, Equipment Rental, Dumpsters, Drug Testing
- Quick Pay Arrangements
  - Available to Contractors with Cash Flow Demands
    - On less than monthly basis
- Joint Check Arrangements
  - Resource allows subcontractors to work with material vendors without establishing credit



#### REDUCING BARRIERS

- HUB Compliance
  - Subcontractor / Supplier ID Form
  - Affidavit A / Affidavit B
  - Post Bid Documentation



Attach to Bid Attach to Bid

#### Identification of HUB Certified/ Minority Business Participation

do hereby certify that on this project, we will construction subcontractors, vendors, supp	liers or providers of profes	ssional services.	
Firm Name, Address and Phone #	Work Type	*Minority Category	**HUB Certified (Y/N)
		+	
*Minority categories: Black, African Americ	on (B) Historia (II) Asian	American (A) Ame	riann Indian
	and Economically Disadvar		rican indian (
HUB Certification with the state HUB Office	required to be counted to	ward state partici	pation goals



ounty or	200 STORE S. T.
Affidavit of	(Name of Bidder)
	made a good faith effort to comply under the following areas checked:
	n at least 50 points from the good faith efforts listed for their bid to be
	nsive. (1 NC Administrative Code 30 I.0101)
that were known to	cted minority businesses that reasonably could have been expected to submit a quote an the contractor, or available on State or local government maintained lists, at least 10 day and notified them of the nature and scope of the work to be performed.
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	AFFIDAVIT B Intent to Perform Contract with Own Workforce.
County of	
Affidavit of	
hereby certify that it is our intent to	(Name of Bidder) perform 100% of the work required for the
	contrac
(Name o	
chinis lupis project. vallectinally pai ukoning i chinic women in this propess	r states that the Bidder does not customarily subcontract element from and has the capacity to perform and will perform all
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#### **BONDING**

- Bid Bonds
  - Not required for bids under \$500,000
- Performance & Payment Bonds (P&P)
  - Required for all "Building Envelope" packages
    - 04A, 07B, 08C, 13A
  - Not required for bids under \$500,000 (except for the packages listed above)
  - Bid P&P bonds as <u>add alternate</u>



#### FORM OF PROPOSAL

University of North Carolina at Charlotte Facilities Operations and Parking Services Complex Early Site / Structural Phase

Bidding Cont	ractor:		
NC License #	<b>#</b> :		
Date:			
COMPLIANO	CE STATEMENT		
acknowledge documents w to furnish al hoisting, cle construction	e these documents in their en will be signed and executed as- I labor, materials, equipment, an-up, safety measures, and of this Trade Package, in accol	accept the complete Bidders Manual dated Juntirety and agree that, if awarded a subciss with no modifications. The undersigned bit engineering, permits, fees, taxes, insurance supervision and perform all work necerdance with Drawings and Specifications date addenda noted below for consideration of	ontract, these dder proposes e, scaffolding, ssary for the ed 6/15/17 (as
ADDENDA	Number:	Dated:	
	Number:	Dated:	
	Number:	Dated:	
BASE BID fo	or Bid Package#		
	both in words and figures.	•	
			Dollars.
\$		00	
	E – PAYMENT & PERFORMAN both in words and figures.	CE BOND (if accepted will be an add to ba	se bid)
			Dollars.
\$		00	



ALTERNATES:	
Should any of the alternates as described in the contract documents be accepte the amount to be "added to" or "deducted from" the base bid. (Strike	
Show amount both in words and figures.	
Alternate No. 1: Provide foundations for brick façade in lieu of m Warehouse building as detailed on the Drawings and described in the	
(Add) (Deduct)	Dollars (\$)
Alternate No. 2A: Provide foundations for Wash Rack pre-engineer Drawings and described in the Specifications.	ed metal canopy as detailed on the
(Add) (Deduct)	Dollars (\$)
Alternate No. 2B: Provide foundations, for masonry walls, and roo pre-engineered metal canopy as detailed on the Drawings and describe	
(Add) (Deduct)	Dollars (\$)
Alternate No. 3: Provide foundations for masonry screenwall in lieu Yard as detailed on the Drawings.	of chain link fence around Service
(Add) (Deduct)	Dollars (\$)
Alternate No. 4A: Provide Gravel Bus Parking as detailed on the Drav	vings.
(Add) (Deduct)	Dollars (\$)
Alternate No. 4B: Provide Concrete Bus Parking in lieu of gravel as o	letailed on the Drawings.
(Add) (Deduct)	Dollars (\$)
Alternate No. 5: Provide Sanitary Dump Station as detailed on the Dr	awings.
(Add) (Deduct)	Dollars (\$)
Alternate No. 6: Provide Concrete Paving in lieu of Asphalt as detaile	d on the Drawings.
(Add) (Deduct)	Dollars (\$)
Alternate No. 7: Provide Connection to Facilities Maintenance Yard a	s detailed on the Drawings.
(Add) (Deduct)	Dollars (\$)



Alternate No. 8: Extend telecomm infrastructure along Poplar of work includes new concrete encased duct bank from existing manhole.	
(Add) (Deduct)	Dollars (\$)
Alternate No. 9: Provide foundations for masonry screenwall south edge of complex as detailed on the Drawings.	in lieu of decorative metal fence along
(Add) (Deduct)	Dollars (\$)
Alternate No. 12: Provide foundations for Covered Storage pr the Drawings and described in the Specifications.	re-engineered metal canopy as detailed on
(Add) (Deduct)	Dollars (\$)



#### **UNIT PRICES / QUANTITY ALLOWANCES**

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Reference Specification Section 012200 - UNIT PRICES for more details.

UP-1: Excavation of Unforeseen Unsuitable Materials, Off-Site Disposal, and Replacement with Off-Site Suitable Fill. Provide removal of unsuitable soils in accordance with Section 310000 and replacement of qualified unsuitable material volume with equal volume of off-site suitable structural fill, which will include purchase, transportation, placement and compaction.

QUANTITY ALLOWANCE 1: Bid Package 2A Base bid proposal to include **500 CY**, to be used at the discretion of the CMAR.

(\$/CY)	Unit Price 1 = \$	
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UP-2: Trench Rock Excavation, Off-Site Disposal, and Replacement with Off-Site Suitable Fill. Include the removal of trench rock including all necessary equipment, material and labor for trench rock excavation and removal off-site. Provide the replacement of trench rock with compacted off-site suitable fill in accordance with Section 312316.26. See Bidder's Manual and Bid Form for quantities to be carried in individual trade package base bids

QUANTIFY ALLOWANCE 2: Bid Package 2A Base bid proposal to include 800 CY, to be used at the discretion of the CMAR.

(\$/CY) Unit Price 2 = \$
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UP-3: Blast Rock Excavation, Off-Site Disposal, and Replacement with Off-Site Suitable Fill. Include the removal of blast rock including all necessary equipment, material and labor for blast rock excavation and removal off-Site. Provide the replacement of rock with off-site suitable compacted fill in accordance with Section 312316.26.

QUANTITY ALLOWANCE 3: Bid Package 2A Base bid proposal to include 1000 CY, to be used at the discretion of the CMAR.

<u>(\$/CY</u>	Unit Price 3 = \$	

**UP-4**: **Excavation of Unforeseen Unsuitable Soil Materials and Disposal On-Site.** Excavation of unsuitable material and disposal on-site. Include removal of unsuitable material quantified by geotechnical engineer and placed on-site in approved location per direction of Owner.

QUANTITY ALLOWANCE 4: Bid Package 2A Base bid proposal to include **500 CY**, to be used at the discretion of the CMAR.

(\$/CY)	Unit Price 4 = \$



<b>UP-5</b> : <b>Cast-in-Place Concrete for Column Footings (Not Reinforced).</b> Cast-in place concrete for column footings. Include placement and finishing of concrete in accordance with applicable project specification sections.
( <u>\$/CY)</u> Unit Price 5 = \$
<b>UP-6</b> : <b>Cast-in-Place Concrete for Column Footings (Not Reinforced).</b> Cast-in place concrete for column footings. Include placement and finishing of concrete in accordance with applicable project specification sections.
<u>(\$/CY)</u> Unit Price 5 = \$
<b>UP-7</b> : <b>Cast-in-Place Concrete for Column Footings (Not Reinforced).</b> Cast-in place concrete for column footings. Include placement and finishing of concrete in accordance with applicable project specification sections.
<u>(\$/CY)</u> Unit Price 5 = \$



Proposal	Signature	Page
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The undersigned further agrees that in the case of failure on his part to execute the said contract and the bonds within ten (10) consecutive calendar days after being given written notice of the award of contract, the certified check, cash or bid bond accompanying this bid shall be paid into the funds of the owner's account set aside for the project, as liquidated damages for such failure; otherwise the certified check, cash or bid bond accompanying this proposal shall be returned to the undersigned.

Respectfully submitted this day of	
(Name of firm or corporation making bid)	
WITNESS:	By:Signature
	Signature
	Name:
(Proprietorship or Partnership)	Print or type
	Title
	(Owner/Partner/Pres./V.Pres)
	Address
ATTEST:	
By:	License No.
Title: (Corp. Sec. or Asst. Sec. only)	Federal I.D. No
(Corp. Sec. or Asst. Sec. only)	
	Email Address:

(CORPORATE SEAL)



## PROJECT MILESTONES (start dates)

- Bid date: September 19, 2017
- Roofing: January 3, 2018
- MEPF OH Rough-in: January 12, 2018
- Masonry: January 24, 2018
- Framing: February 2, 2018
- Storefront/Glass: February 7, 2018
- Main Mechanical Room / Electrical: February 21, 2018
- Pre-Engineered Building: March 6, 2018
- Permanent Power: March 13, 2018
- **Drywall:** March 16, 2018
- Ceilings & Casework: June 1, 2018
- **Flooring**: June 18, 2018
- T&B: June 22, 2018
- Doors/Hardware & Paint: June 25, 2018
- SCO Final Inspections: August 27, 2018



## Questions?

# Site Visit Available UNC Charlotte - Poplar Lane North of Lot 25



#### **DIRECTIONS**

† Head northwest on Mary Alexander Rd toward McEniry Ln

0.3 mi

Turn left onto Cameron Blvd

0.2 mi

- Turn right onto Poplar Ln
  - 1 Destination will be on the left

9628 Poplar Lane Charlotte, NC 28223

