



The Florida State University

Facilities Operations and Maintenance
Purchasing Agent
102A Mendenhall Building A
Tallahassee, Florida 32306-4150
P: (850) 644-7639 F: (850) 644-5071

ADDENDUM 3

Date: July 17, 2017
Bid Number: FAC1700257
Bid Title: Chemical Science Laboratories – Compressor Install

Question 1: Is it acceptable to use pro-press?

Answer 1: Yes.

Question 2: Referring to tie-in sizes, does it matter what size we use? Noticed sizes are not consistent as of now.

Answer 2: Install necessary adapters or bushings to connect new 1” compressed air piping to existing opening in tank.

Question 3: Is a Bid Bond Required?

Answer 3: It is not required for this project.

Question 4: Plans do not show them, do we need to install ball valves at each air tank in case there is an issue in the future, they can be closed off separately without shutting the whole system down?

Answer 4: Yes, we would like ball valves installed. We have included revised plans at the end of this addendum showing the valves.

Question 5: What is the duration of the project knowing the equipment is 6-8 weeks led time and do we need to also get quick ship pricing on the equipment?

Answer 5: Quick ship is not necessary. However, we would like to stipulate the duration of the project should be 90 days.



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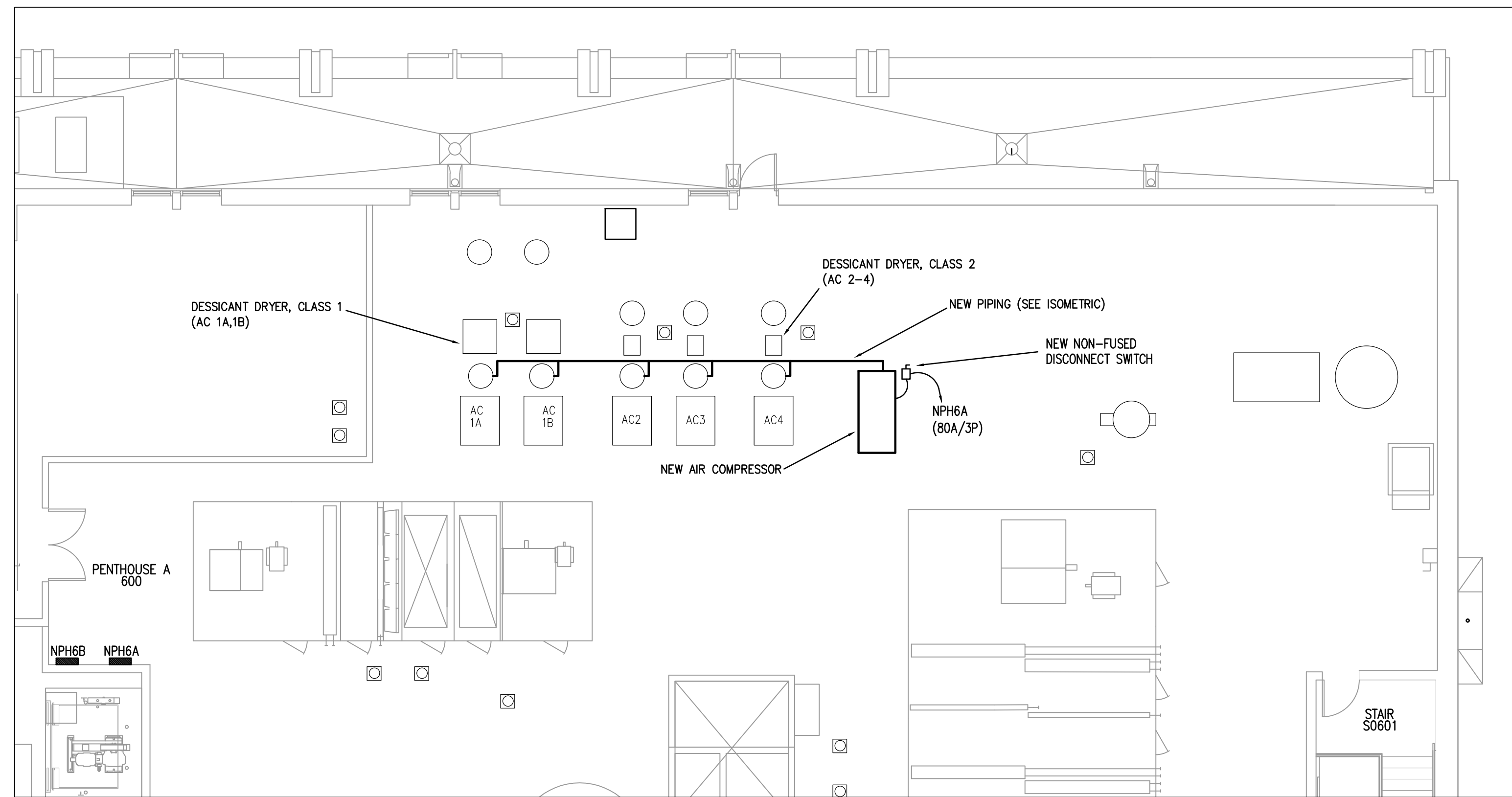
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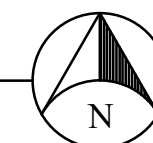
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Note: ALL ADDENDUM MUST BE IN YOUR BID PACKAGE



PARTIAL PENTHOUSE FLOOR PLAN

NTS



PROJECT NOTES

POUR NEW 6" THICK HOUSEKEEPING PAD FOR NEW AIR COMPRESSOR. USE 4" W/M FOR REINFORCING. PAD TO EXTEND 12" AROUND ALL SIDES OF NEW COMPRESSOR.

INSTALL NEW AIR COMPRESSOR PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

CONNECT NEW PIPING TO AIR COMPRESSOR USING FLEXIBLE CONNECTOR AND ROUTE TO EXISTING TANKS AS SHOWN ON ISOMETRIC VIEW. SUPPORT PIPING FROM EXISTING STRUCTURE ABOVE USING 1/2" CLEW HANGERS. PIPING TO BE TYPE M COPPER. INSTALL 1" APOLLO STAINLESS STEEL BALL VALVES IN LOCATIONS SHOWN.



ELECTRICAL PROPOSED NOTES

PROVIDE NEW 100A 3-POLE, ELECTRONIC TRIP LL CIRCUIT BREAKER IN PANEL NPH6A FOR NEW AIR COMPRESSOR. CIRCUIT BREAKER SHALL BE 35KAIC RATED. UPDATE PANEL WITH NEW ENGRAVED LABEL "AC-5", MATCH EXISTING LABELS. REFER TO TABLE FOR BREAKER SETTING PRIOR TO ENERGIZING.

PROVIDE 3#8 + 1#10(G) CONDUCTORS IN 1" C. FOR AIR COMPRESSOR FROM NPH6A.

INSTALL NEW 60A HEAVY DUTY NON-FUSED DISCONNECT SWITCH MOUNTED ON UNISTRUT STRUCTURE. STRUCTURE SHALL BE WITHIN NEW CONCRETE PAD. LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR TO BE NEAR VFD.

IF VFD PROVIDED WITH AIR COMPRESSOR IS REMOTE MOUNT THEN EXTEND UNISTRUT STRUCTURE AND MOUNT NEXT TO DISCONNECT SWITCH.

ELECTRONIC TRIP CIRCUIT BREAKER	
CIRCUIT BREAKER	SETTINGS
AC_5 100A	LR TR ISO [TSO] LI
*NA - SETTING NOT AVAILABLE ON CIRCUIT BREAKER	

AIR COMPRESSOR DATA

NEW COMPRESSOR TO BE OIL FREE AIR COOLED WITH VARIABLE FREQUENCY DRIVE.

125 CFM @ 100 PSI.

AUTO RESTART AFTER POWER FAILURE.

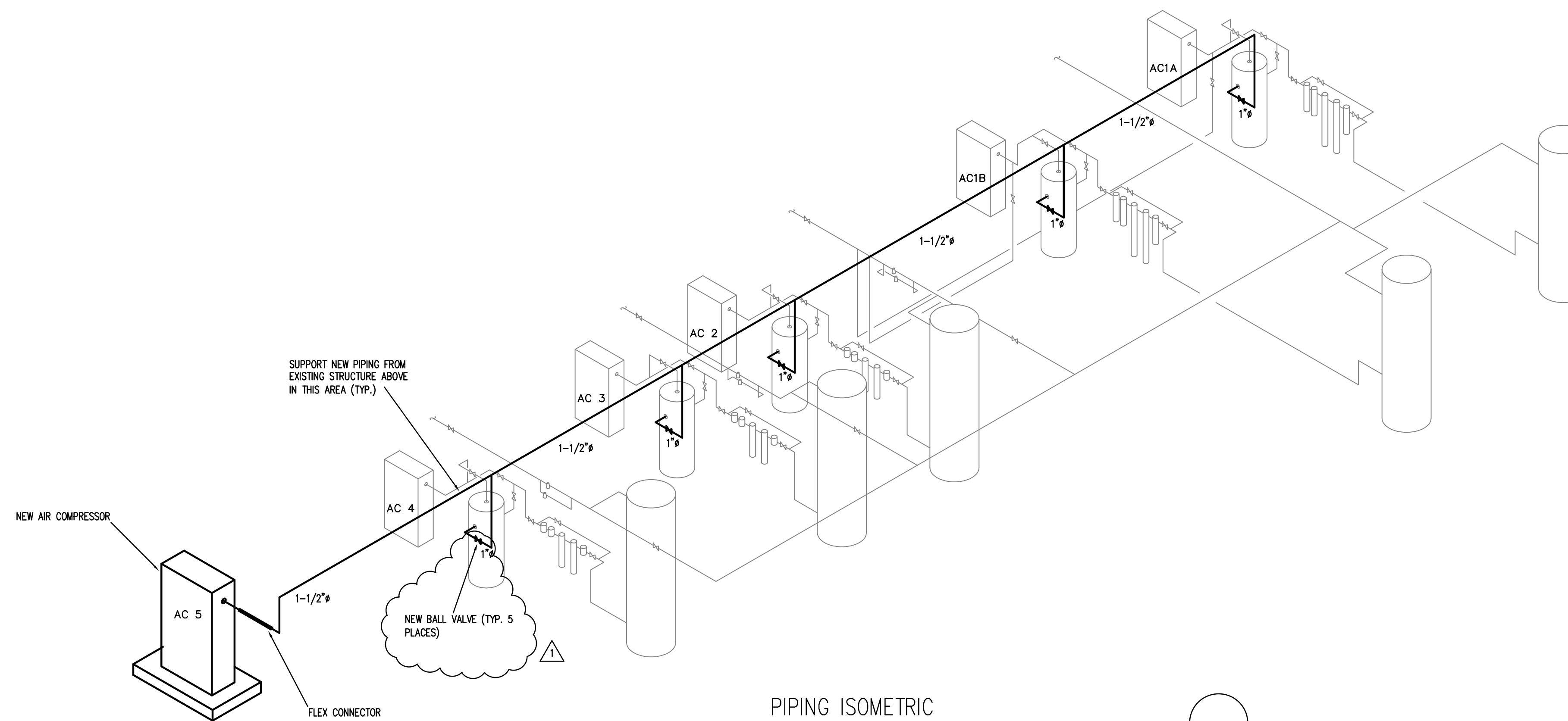
FACTORY STARTUP.

COMPRESSOR TO BE KOBELCO KMW 30 HORSEPOWER.

PROVIDE 5 YEAR SERVICE, PARTS, AND LABOR WARRANTY ON NEW COMPRESSOR.

ELECTRICAL NOTES

- INSTALL PER 2011 NEC.
- ALL DEVICES, EQUIPMENT, MATERIAL, ETC. IS NEW UNLESS NOTED OTHERWISE.
- CONDUIT SHALL BE EMT THIN WALL CONDUIT WITH STEEL COMPRESSION FITTINGS. CONNECTORS SHALL BE INSULATED THROAT TYPE.
- CONDUCTORS: THHN/THWN-2 INSULATED COPPER, SOLID (#10 AND SMALLER)
- MINIMUM SIZE CONDUCTORS: #12AWG UNLESS OTHERWISE NOTED.
- THE ENGINEER IS THE SOLE INTERPRETER OF THE PLANS.
- SEAL AROUND CONDUIT PENETRATIONS IN FIRE RATED BARRIERS WITH 3M FIRE BARRIER CAULK #CP 25 W/B PER MANUFACTURER'S INSTRUCTION. MAINTAIN ORIGINAL FIRE RESISTANCE RATING.
- ALL RACEWAY SHALL BE ROUTED PLUMB, PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. RACEWAYS ARE TO BE BONDED TO PROVIDE ELECTRICAL CONTINUITY. GROUND CONDUCTOR SIZE IS TO BE AS NOTED ON PLANS OR NEC.
- PROVIDE GROUND WIRE IN ALL RACEWAYS.
- ALL RACEWAY SHALL BE CONCEALED BEHIND WALLS, UNDER FLOOR OR ABOVE CEILING UNLESS OTHERWISE SPECIFICALLY INDICATED.
- ALL MATERIALS SHALL BEAR THE U.L. LABEL WHERE APPLICABLE AND BE INSTALLED IN ACCORDANCE WITH U.L. STANDARDS.
- EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THESE SHALL BE CONSIDERED PART OF DESIGN DOCUMENTS.
- FINAL CONNECTIONS TO MOTOR SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT.



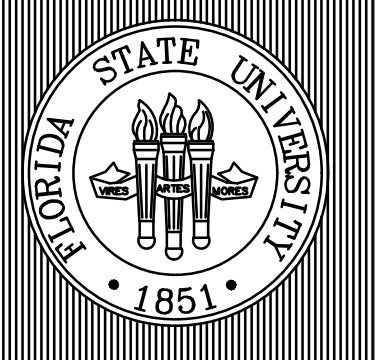
PIPING ISOMETRIC

NTS

REVISION	DATE
MTS	6-15-17

DRAWN BY/CHECKED BY	DATE	DRAWN BY/CHECKED BY	DATE
MTS	6-15-17	PRP/THG	6-15-17

FLORIDA STATE UNIVERSITY
ENGINEERING SERVICES
MECHANICAL ENGINEERING SECTION
&
ELECTRICAL ENGINEERING SECTION



Project Name: INSTALL NEW AIR COMPRESSOR

Sheet Name: MECHANICAL AND ELECTRICAL

Seal	Department: UTILITIES	Drawing No. ME1
	FSU Project No.: 1700257	
	Building Name & No.: CSL BUILDING 4008	