



To: Prospective Offerors

Date: February 24th, 2023

From: Jeffrey Just, Issuing Officer

Iowa Department of Administrative Services-Central Procurement

Phone 515-330-8702; e-mail: construction.procurement@iowa.gov

RE: **Addendum No. 1**, to Design RFP931200-01, ABD Ankeny BAS System and HVAC Controls Upgrade

The following additions, changes, and clarifications are hereby made by this Addendum.

Revisions to original scope:

- 1) Proposals Due: March 1, 2023 by 2:00 PM CST

Addition to original scope:

- 1) DAS intends to engage the services of a commissioning agent for the project. Designer shall coordinate with the commissioning agent, participate in meetings and review recommendations of the commissioning agent. The intent is to have the commissioning agent involved from the beginning of design through the end of the project. (A separate RFP will award commissioning services. Design firms have the option of proposing on both the design and commissioning services but can only be awarded one).

Questions:

- 1) Will the state share some of the existing PDF drawings now so that designers can see the approximate number and types of HVAC equipment currently installed in the building? **A> Yes, see attached. The selected design firm shall be responsible for verifying accuracy of drawings.**
- 2) Does the Owner have any of the existing control sequences available for the awarded designer? **A> Any available control sequencing shall be provided to the selected design team.**
- 3) Do any field devices in the automatic controls system, other than controllers, need to be replaced? This would include items like dampers, valves, actuators, sensors, and ASDs. **A> The intent is for the BAS system to be replaced under competitive bidding. The current BAS is a Siemens system. If field devices need to be replaced due to compliance with other BAS manufacturers, then "yes".**
- 4) It was discussed at the walk through that the Owner desires to integrate as many systems as possible into the new BAS. Examples given were lighting control and security cameras. Please provide a complete list of the potential additional systems the Owner would like integrated into the new BAS. **A> HVAC, Lighting, Security, and badge access. The cameras and speaker system currently do not need to be included in this project.**

- 5) The RFP refers to existing drawings of the office and warehouse space that will be made available to the successful design firm. Do those drawings include details for the existing BAS system? **A> An example of an existing pdf file is attached. The selected design firm shall be responsible for verifying accuracy of drawings.**
- 6) Are there original shop drawings from Siemens that indicate all the equipment, control points, and sequences? **A> An example of an existing pdf file is attached. The selected design firm shall be responsible for verifying accuracy of drawings.** Same question for the existing fire alarm, security/access control, and lighting control systems. **A> An example of an existing pdf file is attached. The selected design firm shall be responsible for verifying accuracy of drawings.** We're trying to understand how much existing documentation is available, as that will impact the amount of effort we will need to include for investigation.

Additional Information:

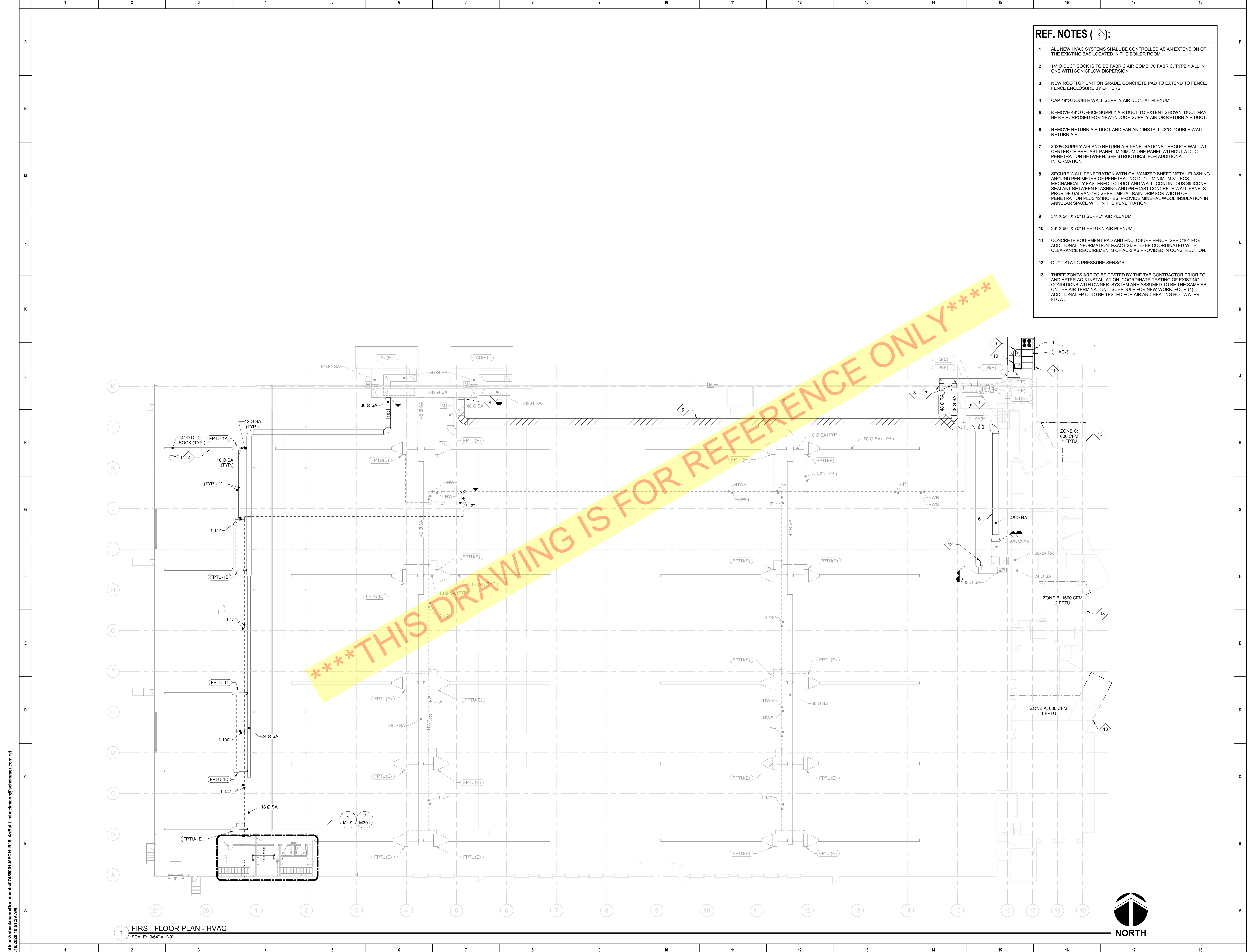
- 1) The existing fire alarm system is currently a Siemens System. If it is determined during the design phase that the system needs to be replaced for integration with a new BAS system, the State reserves the right to negotiate design services with the selected design firm.

Attachments:

- 1) Drawings (3 pages)

Please acknowledge the Addendum #1 in your proposals. Thank You

End of Addendum



- REF. NOTES (X):**
- ALL NEW HVAC SYSTEMS SHALL BE CONTROLLED AS AN EXTENSION OF THE EXISTING BAS LOCATED IN THE BOILER ROOM.
 - 14" Ø DUCT SOCK IS TO BE FABRIC AIR COMBI 70 FABRIC, TYPE 1 ALL IN ONE WITH SONICFLOW DISPERSION.
 - NEW ROOFTOP UNIT ON GRADE. CONCRETE PAD TO EXTEND TO FENCE. FENCE ENCLOSURE BY OTHERS.
 - CAP 48" Ø DOUBLE WALL SUPPLY AIR DUCT AT PLENUM.
 - REMOVE 48" Ø OFFICE SUPPLY AIR DUCT TO EXTENT SHOWN. DUCT MAY BE RE-PURPOSED FOR NEW INDOOR SUPPLY AIR OR RETURN AIR DUCT.
 - REMOVE RETURN AIR DUCT AND FAN AND INSTALL 48" Ø DOUBLE WALL RETURN AIR.
 - 30X66 SUPPLY AIR AND RETURN AIR PENETRATIONS THROUGH WALL AT CENTER OF PRECAST PANEL. MINIMUM ONE PANEL WITHOUT A DUCT PENETRATION BETWEEN. SEE STRUCTURAL FOR ADDITIONAL INFORMATION.
 - SECURE WALL PENETRATION WITH GALVANIZED SHEET METAL FLASHING AROUND PERIMETER OF PENETRATING DUCT. MINIMUM 3" LEGS. MECHANICALLY FASTENED TO DUCT AND WALL. CONTINUOUS SILICONE SEALANT BETWEEN FLASHING AND PRECAST CONCRETE WALL PANELS. PROVIDE GALVANIZED SHEET METAL RAIN DRIP FOR WIDTH OF PENETRATION PLUS 12 INCHES. PROVIDE MINERAL WOOL INSULATION IN ANNULAR SPACE WITHIN THE PENETRATION.
 - 54" X 54" X 70" H SUPPLY AIR PLENUM.
 - 36" X 60" X 70" H RETURN AIR PLENUM.
 - CONCRETE EQUIPMENT PAD AND ENCLOSURE FENCE. SEE C101 FOR ADDITIONAL INFORMATION. EXACT SIZE TO BE COORDINATED WITH CLEARANCE REQUIREMENTS OF AC-3 AS PROVIDED IN CONSTRUCTION.
 - DUCT STATIC PRESSURE SENSOR.
 - THREE ZONES ARE TO BE TESTED BY THE TAB CONTRACTOR PRIOR TO AND AFTER AC-3 INSTALLATION. COORDINATE TESTING OF EXISTING CONDITIONS WITH OWNER. SYSTEM ARE ASSUMED TO BE THE SAME AS ON THE AIR TERMINAL UNIT SCHEDULE FOR NEW WORK. FOUR (4) ADDITIONAL FPTU TO BE TESTED FOR AIR AND HEATING HOT WATER FLOW.

*****THIS DRAWING IS FOR REFERENCE ONLY*****

| | | | |
|-----------|-----|--------------|------------|
| DESIGNED: | BSJ | ISSUE DATE: | 08/01/2019 |
| DRAWN: | SRG | REVISIONS: | |
| CHECKED: | ARP | NO.: | 2 |
| | | DATE: | 3/18/2019 |
| | | BY: | BSJ |
| | | DESCRIPTION: | ADDENDUM 2 |

THESE DRAWINGS BEING MADE FOR THE EXCLUSIVE USE OF THE PROJECT DESCRIBED HEREIN. NO PART OF THESE DRAWINGS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SCHEMMER ENGINEERING, INC. DATE: 3/18/2019 BY: BRUCE G. JOHNSON

SCHEMMER
ENGINEERING, INC.

SCHEMMER
Design with Purpose. Build with Confidence.

IOWA DAS
ABD PHASE VIII WAREHOUSE EXPANSION
1918 HULSIZER ROAD
ANKENY, IA 50021
FIRST FLOOR PLAN - MECHANICAL

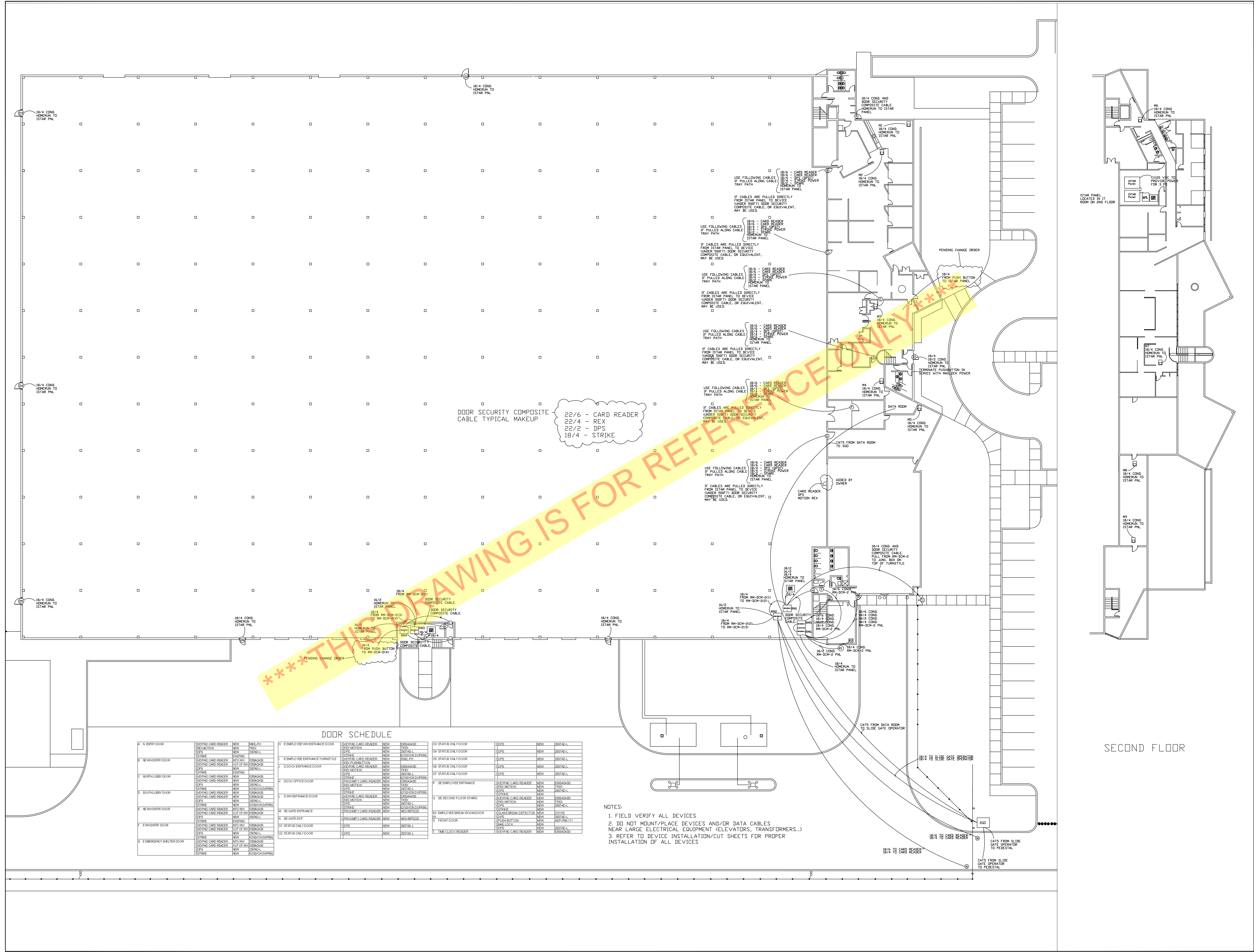
PROJECT NO.: 07459.001

M101

1 FIRST FLOOR PLAN - HVAC
SCALE: 3/64" = 1'-0"



c:\iowa\das\mechanical\Documents\07459001-MECH_R18_A-Building-backman@schemmer.com.rvt
6/18/2020 10:51:33 AM



DOOR SECURITY COMPOSITE CABLE TYPICAL MAKEUP

22/6 - CARD READER
 22/4 - REX
 22/2 - DPS
 18/4 - STRIKE

THIS DRAWING IS FOR REFERENCE ONLY

| DOOR SCHEDULE | | | |
|---------------------------------|----------|-----|----------|
| A N ENTRY DOOR | 18/4 CND | NEW | STAR PNL |
| B NE WHENTRY DOOR | 18/4 CND | NEW | STAR PNL |
| C NORTH LOBBY DOOR | 18/4 CND | NEW | STAR PNL |
| D SOUTH LOBBY DOOR | 18/4 CND | NEW | STAR PNL |
| E NE WHENTRY DOOR | 18/4 CND | NEW | STAR PNL |
| F E WHENTRY DOOR | 18/4 CND | NEW | STAR PNL |
| G EMERGENCY SHELTER DOOR | 18/4 CND | NEW | STAR PNL |
| H E EMPLOYEE WH ENTRANCE DOOR | 18/4 CND | NEW | STAR PNL |
| I E EMPLOYEE ENTRANCE TURNSTILE | 18/4 CND | NEW | STAR PNL |
| J S DOOR ENTRANCE DOOR | 18/4 CND | NEW | STAR PNL |
| K DOOR OFFICE DOOR | 18/4 CND | NEW | STAR PNL |
| L S WH ENTRANCE DOOR | 18/4 CND | NEW | STAR PNL |
| M SE GATE ENTRANCE | 18/4 CND | NEW | STAR PNL |
| N SE GATE EXIT | 18/4 CND | NEW | STAR PNL |
| O STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |
| P SE EMPLOYEE ENTRANCE | 18/4 CND | NEW | STAR PNL |
| Q STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |
| R EMPLOYEE BREAK ROOM DOOR | 18/4 CND | NEW | STAR PNL |
| S FRONT DOOR | 18/4 CND | NEW | STAR PNL |
| T TIME CLOCK READER | 18/4 CND | NEW | STAR PNL |
| U STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |
| V STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |
| W STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |
| X STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |
| Y STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |
| Z STATUS ONLY DOOR | 18/4 CND | NEW | STAR PNL |

- NOTES:
1. FIELD VERIFY ALL DEVICES
 2. DO NOT MOUNT/PLACE DEVICES AND/OR DATA CABLES NEAR LARGE ELECTRICAL EQUIPMENT (ELEVATORS, TRANSFORMERS...)
 3. REFER TO DEVICE INSTALLATION/CUT SHEETS FOR PROPER INSTALLATION OF ALL DEVICES

SIEMENS
Siemens Building Technologies, Inc.

335 SE Oranbloss Road
Ankeny, IA 50021

Tel: (515) 963-1400
Fax: (515) 963-1401

DRAWINGS PREPARED FOR: IA Alcohol and Beverage

DRAWN BY: AS SHOWN

SCALE: AS SHOWN

DATE: 12/14/07

JOB NO: 440P-027615

CHECKED BY: APB

SHEET NO. 5

OF 10 SHEETS

| NO. | DATE | REVISION DESCRIPTION |
|-----|----------|---------------------------------|
| 1 | 12/14/07 | NEW DRAWING |
| 2 | 12/17/07 | MOVE/ADD DOOR HARDWARE AND WIRE |
| 3 | 1/22/08 | AS BUILT |
| 4 | 1/22/08 | AS BUILT |
| 5 | | |

THIS DRAWING AND DESIGN INFORMATION IS UNCLASSIFIED AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM SIEMENS BUILDING TECHNOLOGIES INC. ALL RIGHTS RESERVED.

CEILING SUPPLY AIR DIFFUSER SIZING SCHEDULE

| MARK | NECK SIZE | CFM RANGE |
|------|-----------|-----------|
| D-1 | 6" Ø | 0 - 140 |
| | 8" Ø | 141 - 265 |
| | 10" Ø | 266 - 350 |
| | 12" Ø | 351 - 440 |
| | 14" Ø | 441 - 585 |
| | 16" Ø | 586 - 650 |

NOTES:
(1) USE 24x24 PANELS FOR ALL LAY-IN CEILING.
(2) ALL CEILING SUPPLY DIFFUSERS SHALL BE TYPE D-1 EXCEPT AS INDICATED ON THE PLANS.
(3) SUPPLY AIR RUN OUT TO DIFFUSER SHALL BE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
(4) BASED ON PRICE SCDL, INC. 21.

- FLAG NOTES**
- RELOCATE EXISTING SUPPLY DIFFUSER.
 - RETURN AIR IN THIS AREA THRU EXISTING LIGHT FIXTURES TYPICAL.
 - DUCTWORK ROUTED THROUGH JOIST.

1. Start Remote Sensors

