

McLean County Unit District No. 5
Facilities Committee Minutes
September 30, 2016 6:45 a.m. Unit Office

Attendees: Dr. Daniel, Joe Adelman, Joe Cleary, Marty Hickman, Barry Hitchins,
 Doug Johnson, Craig Montgomery, Mike Trask

Non-Attendees: Curt Richardson

1. NCWHS HVAC Improvements – Overview Presentation by Jason Vogelbaugh of Alpha Controls

Joe had Alpha Controls give a 30 minute presentation and discussion on the NCWHS HVAC Improvements. The items listed below were highlighted during the presentation.

- Energy efficiency measures based on ASHRAE codes and Illinois Energy Conservation Code
- Energy conservation measures to be employed, annual energy cost savings, anticipated grant values and project costs
- Discussion of strategic plan for ongoing facility management, measurement and verification of savings and cost avoidance using current technologies

The Facility Committee supported the project going to the Board Wednesday, October 12th. The Facility Committee would like to see this presentation given to the Board sometime after the first of the year since the project will be completed by April 15, 2017. This will show the substantial energy savings for the District. This falls in line with the goals of the District Strategic Planning which started last fall.

2. Update Life Safety Projects 2016 – 17 - Joe Adelman & Doug Johnson

Joe and Doug reviewed with the Facility Committee the two remaining Life Safety projects for 2016-17 school year. Please see below the time line for these projects.

<u>Site</u>	<u>Description</u>	<u>Update Information</u>
NCWHS	HVAC Improvements	Contractor walk thru Sept 29 th 1:00 p.m. Bid opening Oct 5 th 1:30 p.m. Scheduled for Board approval Oct 12 th
PJHS	Geothermal Interior Work	Bid documents available Friday Sept 30 th Contractor walk thru Oct 10 th Tentatively scheduled for Board Approval Nov 9 th

3. Update on CJHS HVAC Issues with Follow Up Report from Ruyle Mechanical – Joe Adelman & Doug Johnson

- See attached

Joe and Doug discussed the CJHS HVAC issues from this fall and reviewed the document. There will be more discussions in November about completing this work during Winter Break.

4. Demonstration and Update on School Dude Scheduling Software - Marty Hickman

Marty highlighted the progress of the School Dude software program. It has been implemented in both high schools, training will continue for the remainder of the schools moving forward.

5. Update on AED Replacement Installation– Craig Montgomery

Craig reviewed the AED program for our District. All units are now up to date. This will ensure peak performance for the next 10 years.

6. Information on Installation of Tornado Siren by The Town of Normal Fire Department at Parkside Elementary – Doug Johnson

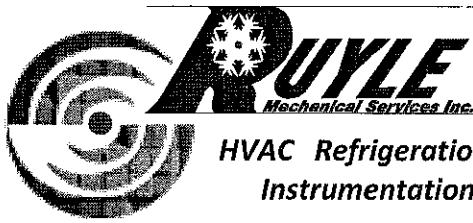
- See attached

Doug provided an update to the Facility Committee on a request from the Town of Normal. The Town of Normal will be installing a siren at Parkside Elementary. This is part of our intergovernmental agreement and safety for the community.

7. Donations

- There are no donations at this time.

The meeting ended at 8:40 a.m., the next meeting is Friday, October, 28, 2016 at 6:45 a.m. at the Unit Office.



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HVAC Refrigeration Sheet Metal Building Automation Energy Services
Instrumentation Controls Electrical A.S.M.E. Welding

September 15, 2016

Joseph Adelman
1999 Eagle Rd.
Normal, IL 61761

Re: Chiddix Junior High School, 300 S. Walnut St., Normal, IL 61761

Mr. Adelman,

Thank you for meeting with us on September 1st to discuss the items we identified as possible factors in the building problems at Chiddix Junior High School. This letter is in response to the requested action item of providing a schedule for some investigative work that is to be done during this year's Christmas break. This work is required for us to determine how the classroom unit ventilators were installed, what material it will require to install them properly, what the exact detail of the exterior wall construction is, access for the spray foam contractor to inspect the facility to prepare a proposal to air seal the building's major leaks and do a building pressure test to determine if there is an internal building pressure problem. We will work closely with the building personnel and Chris to facilitate the investigative work.

The proposed schedule is as follows:

December 26 – 27. Diagnostic work will begin on Monday. Remove one classroom unit ventilator (CUV) and inspect the installation and wall detail. Fabricate the necessary outdoor air sleeve components and re-install the CUV.

December 28 - Building Pressure Test, Spray Foam Insulator Inspection.

December 29 – CUV and Make-up Air Unit Sequence of Operation.

Budgeted Time and Material Amount for the Above Proposed Schedule: \$3,024.00

Following is the original letter explaining our findings.

Shane Cline and I conducted a site visit to Chiddix Junior High School to look into excessive humidity issues. We specifically inspected the 1999-2000 addition of the facility. Our inspection included the use of an infrared camera. The following items were found that are contributing to the excessive humidity issues:

Building Envelope Construction

The exterior building construction consists of a steel framework covered by an aluminum framed panel with windows. The tubular aluminum frame work is void with air vents located periodically to allow air to circulate inside the tube to keep condensation from forming inside the tube. The panels are solid with little or no insulating value. This

exterior construction is not air sealed and allows significant air infiltration whenever the building pressure is negative. The interior steel framework frosts in the winter due to the air infiltration and the lack of insulation between the steel and the exterior wall panels. Our recommendation would be to have the walls air sealed with foam insulation in all areas that can be accessed above the suspended ceilings. This would include doing a pre and post building pressurization test to calculate the infiltration reduction.

Classroom Unit Ventilator Installation

The classroom unit ventilators were installed without sleeves for the outdoor air connections. This allows unconditioned outside air to infiltrate into the building continuously without going through the units coils. Our recommendation would be to conduct a pilot test on one unit to determine the best option at sealing off the outdoor air. This will include disconnecting and removal of the unit to inspect the wall construction.

Classroom Unit Ventilator Damper and Control Sequences

During the site visit we witnessed one of the classroom unit ventilators allowing conditioned air, from the inside of the building, to escape to the outside through the outdoor air grille. This indicates the outdoor air damper or damper actuator is not working properly. Our recommendation would be to conduct a retro-commissioning of the classroom unit ventilators' controls and components to put the units back into proper operating sequence. This will include participation from your building automation system service provider to assist in any reprogramming that is required.

Building Make-Up Air System

The original building's make-up air system provides conditioned air into the facility for ventilation to control indoor air quality. Even though the make-up air system delivers air only to the original building its failure or stoppage will affect the entire facility. During the excessive humidity event this system may have been shut off for reasons that no one is aware of. There could also be some control sequence issues with this system. Our recommendation would be to include retro commissioning the make-up air system with the classroom unit ventilators to make sure the sequence of operation is working properly.

We would like to meet and discuss these items at your convenience.

Sincerely,

Don Howerter
Project Manager
Email: dhowerter@ruylecorp.com
Cell: 309-635-1759



Re: Tornado Siren

1 message

Rod Sabick <rod@innotechcommunications.com>

Wed, Sep 21, 2016 at 12:49 PM

To: Mick Humer <mhumeral@normal.org>

Cc: "johnsond@unit5.org" <johnsond@unit5.org>, Douglas Barnett <dbarnett@normal.org>

attachment

On Wed, Sep 21, 2016 at 12:47 PM, Rod Sabick <rod@innotechcommunications.com> wrote:
Cheif Humer, Douglas Barnett, Doug Johnson,

Subsequent to our meeting at Parkside on September 15, I had a preliminary drawing (attached) prepared of the possible Outdoor Siren Location.

The location we had originally selected was in line with the East side of Cheltenham Drive. The siren pole on the drawing was not located correctly.

The JULIE locate revealed Corn Belt Energy electrical primary located 2 feet North of the sidewalk and a fiber optical cable located 7.5 feet North of the sidewalk.

The utility pole could be located half way between the electrical primary and the fiber optic cable which would place it approximately 5.75 feet North of the sidewalk or at a safe excavation distance North of the fiber optic cable.

The installation will also include a traditional padmount transformer. The size of the pad is approximately 4 feet by four feet.

Another option would be to install the siren on the East side of the fence.

Best regards,

Rod Sabick

Innotech Communications

309-663-5175 O

309-275-2536 C

On Thu, Sep 15, 2016 at 10:46 AM, Mick Humer <mhumeral@normal.org> wrote:

Doug, Thanks for meeting with us today to discuss a possible Tornado siren location at Parkside elementary school property. In 2006 the Fire Department added and re located several Tornado Sirens within the community. The Siren closest to Parkside Elementary was relocated to Normal West. Over the last several years we have identified location within the community that we have poor coverage. The area surrounding Parkside Elementary is one such area. We would like to place a Siren along College Ave. It would be 10 feet North of the sidewalk. The power company will also need to place a small transformer a few feet from the pole. This is all happening about 50 yards West from the corner of College and Parkside. A you can imagen we have a lot of underground hazards in the area to avoid, this will also not interfere with the playing fields. So this was the best location for this Siren, thanks for your assistance...MH

Mick Humer

Fire Chief

Town of Normal Fire Department

1300 E. College Avenue

Normal, Illinois 61761-0589

Office Phone 309-454-9615

Cell Phone 309-261-4191

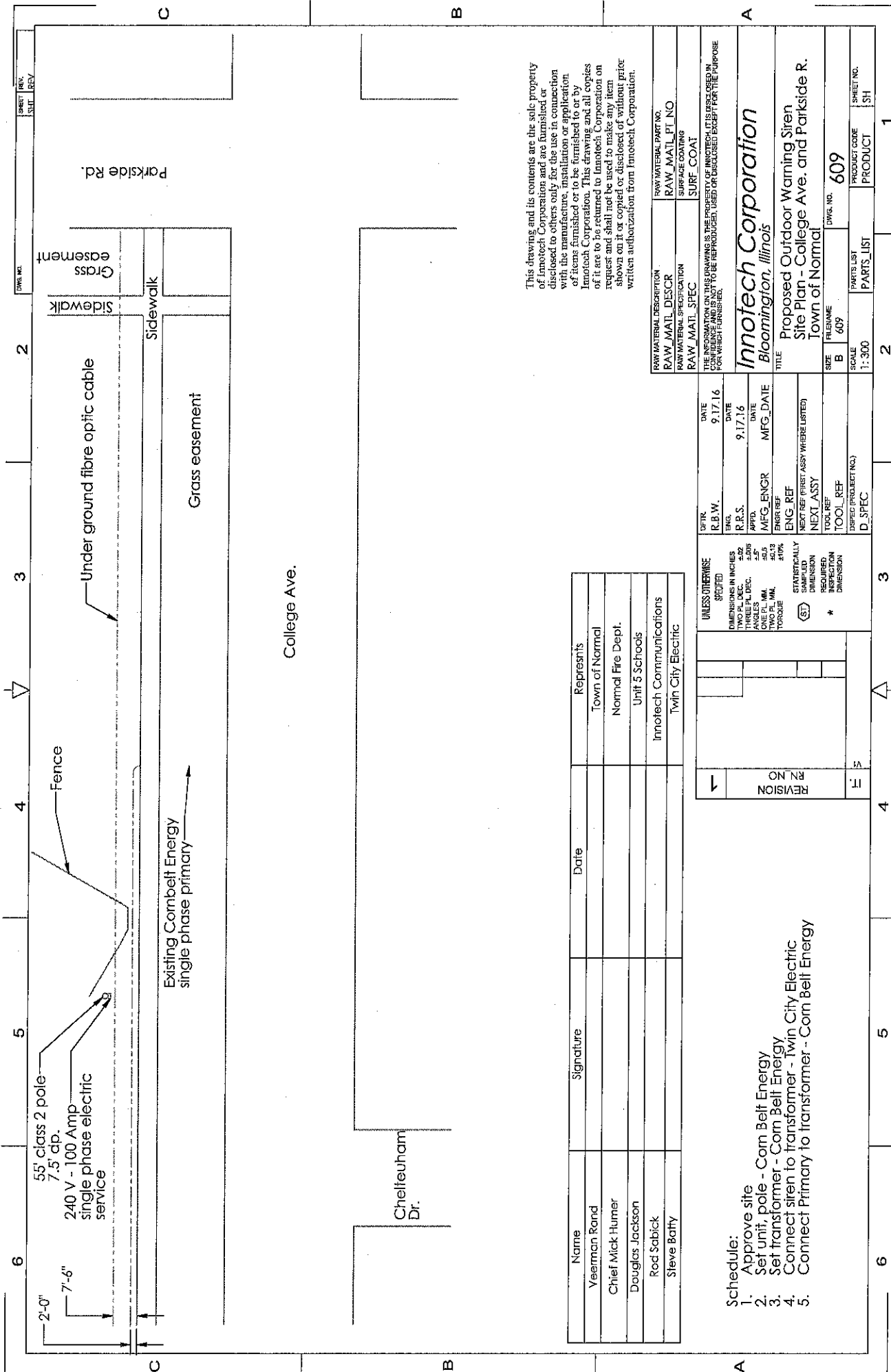
Please wear your seatbelt and check your smoke detector

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Name	Signature	Date	Reprints
Veerman Rand			Town of Normal
Chief Mick Humer			Normal Fire Dept.
Douglas Jackson			Unit 5 Schools
Rod Sabick			Innotech Communications
Steve Batty			Twin City Electric

- Schedule:
1. Approve site
 2. Set unit, pole - Corn Belt Energy
 3. Set transformer - Corn Belt Energy
 4. Connect siren to transformer - Twin City Electric
 5. Connect Primary to transformer - Corn Belt Energy

UNLESS OTHERWISE SPECIFIED	REVISION
DIMENSIONS IN INCHES	PN NO
TWO PL. DEC.	
THREE PL. DEC.	
ANGLES	
ONE PL. WALL	
TWO PL. WALL	
TYPICAL	
STATISTICALLY DIMENSION	
REQUIRED INSPECTION DIMENSION	
*	

RAW_MATERIAL_DESCRIPTION	RAW_MATERIAL_PT_NO
RAW_MATERIAL_SPECIFICATION	SURFACE_COATING
RAW_MATERIAL_SPEC	SURF_COAT

DATE	9/17/16
R.B.W.	
ENG.	
R.R.S.	9/17/16
APED.	
MFG_ENGR	MFG_DATE
ENGR_REF	
ENG_REF	
NEXT_REF (FIRST ASSY WHERE LISTED)	
NEXT_ASSY	
TOOL_REF	
D_SPEC	

Innotech Corporation
Bloomington, Illinois

Proposed Outdoor Warning Siren
Site Plan - College Ave. and Parkside R.
Town of Normal

FILENAME	DWG. NO.
B 609	609
SCALE	PARTS LIST
1:300	PARTS_LIST
	PRODUCT
	SHEET NO.
	SH

