



123 S. 84th Street, Suite A
Lincoln, Nebraska 68510

October 10, 2012

**Aquinas High School Addition
3420 Main Road
David City, NE**

ADDENDUM NO. 1-1

This Addendum is applicable to all work designated herein. It shall be understood that these items shall be considered a part of the contract documents and modifies the original specifications and drawings and shall be included in the contract. The changes designated herein shall supersede the original plans and specifications. All labor, materials, tools, equipment, and services required for these items shall be included in your proposal.

General Information:

1. Pre-bid conference sign-in sheets are attached for reference.
2. Project schedule is attached for reference. The following notes regarding winter conditions and protection should be considered by all bidders.
 - A. General snow removal across the site, which can be completed by tractor or skid steer, will be handled by the construction manager, including parking, staging and walkways. In the event of a snow fall, subcontractors will be expected to clean off their immediate work areas, (i.e. tools, equipment, scaffolding, etc).
 - B. Any additional material, equipment, labor and fuel required to trench or excavate for underground work during winter conditions is to be ***included*** by subcontractors. This includes but is not limited to, footing, piping, electrical raceways, site utilities, etc. Backfilling operations of these same trenches will be by this subcontractor, including protection of open trenches from moisture and frost.
 - C. Concrete additive winter charges, (hot water, accelerators, etc.) are to be ***excluded*** from bids by all scopes. These additional charges will be handled on an individual basis between the Subcontractor and Construction Manager.

Project Manual/Specifications:

1. Bid Form:
 - A. Provide unit price to add or deduct:
 - a. 5” concrete sidewalk with fibermesh reinforcement (per square feet).
 - b. Fill material and placement at roadway, parking and landscape areas (per cubic yards).
 - c. 4” crushed limestone paving (per ton).
 - B. New Bid Form (See attachment).
2. Reference Section 01 1010, Scopes of Work, No. 7 - Unit Masonry.
 - A. Disregard - this scope of work will be bid under Bid Group #2.
3. Reference Section 01 1010, Scopes of Work, No. 13 - Joint Sealants.
 - A. Disregard - this scope of work will be bid under Bid Group #2.
4. Add new Section 01 2200, Unit Prices (See attachment).

5. Add new Section 01 2300, Alternates (See attachment).
6. Reference Section 03 3000, Cast-in-Place Concrete.
 - A. Paragraph 2.05, A, 1.
 - a. Add “c. Stego Wrap 10 mil Class A.”
7. Reference 07 5310, 60 Mil EPDM Membrane Roofing
 - A. Paragraph 2.01, A.
 - a. Add “4. Mule Hide Products Co.”
8. Reference 07 6100, Preformed Wall & Roof Panel System.
 - A. Paragraph 2.01, A, 1.
 - a. Revise “Roof: N/A” to “Roof: Versapanel.”
 - B. Paragraph 2.01, A.
 - a. Add “5. Kingspan (Wall: 200 Inverted Rib/Roof: Kingzip).”
9. Add new Section 07 8400, Firestopping (See attachment).
 - A. See Sheet G110, Main Level Room Numbering Plan for location of 2 hr. walls/fire separation.
10. Reference Section 08 1116, Aluminum Doors and Frames.
 - A. Paragraph 2.01, B.
 - a. Add “3. Tubelite.”
 - b. Add “4. Manko.”
11. Reference Section 08 1416, Flush Wood Door.
 - A. Paragraph 2.01, A.
 - a. Add “5. Graham Wood Door, Assa Abloy.”
12. Reference Section 08 4313, Aluminum Framed Storefronts.
 - A. Paragraph 2.01, A.
 - a. Add “4. Tubelite.”
 - b. Add “5. Manko.”
13. Reference Section 13 3419, Metal Building Systems.
 - A. Paragraph 2.01, A.
 - a. Add “9. Rigid Global Buildings.”

Drawings:

1. Reference Sheet C100, Site Demolition Plan and Notes.
 - A. Delete Sheet Note 2 and indication to remove (3) trees. Trees and root ball has been removed by Owner.
2. Reference Sheets C110 & C111, Site Plan.
 - A. Revise east pvc drain to north side of new storage building per Attachment “A”.
 - B. Revise south accessible parking to delete (2) ADA stalls and (1) ADA ramp and add concrete parking stalls with 6’ sidewalk per Attachment “B”.
 - C. Revise note 32.08 from “6” pvc” to “8” pvc.”
3. Reference Sheets C120, Site Grading Plan.
 - A. A potential borrow site for fill has been identified north of David City. See Attachment “D” for location of site and possible routes to the project site. Contact Mike Kozisek for fill purchase terms.

4. Reference Sheet S112E, Floor Plan – Column Reference at Area “E”.
 - A. Add following note:
 - a. “Note: All exposed columns in Corridors 100, 101, 102 and 106 will have offset base plates. Base plates to be offset toward adjacent wall and flush with face of column on corridor side. Columns at interior and exterior corners/intersections will have double offset base plate to be flush with column on both sides of column.”
5. Reference Sheet A400, Exterior Elevations.
 - A. Insulated metal panels clarification: Insulated metal wall panels may be installed prior to brick veneer (below). A two-piece metal flashing will be installed between metal panels and masonry.
6. Reference Sheet A800, Door and Window Information.
 - A. Add Detail L11 (Attachment “C”), interior hollow metal windows. Add hollow metal windows indicated with tempered glass installed in masonry walls.
 - B. Detail D10, exterior Kalwall windows. Add following schedule:
 - a. EW-1 @ Music 1 each
 - b. EW-1 @ Gym 10 each
 - c. EW-2 @ Music 2 each
 - d. EW-3 @ Clerestory 4 each
 - e. EW-4 @ Clerestory 1 eachSee floor plans and reflected ceiling plans (Bid Group 2) for locations.
7. Reference Sheet E101, Main Level Lighting Plan – Area E.
 - A. Corridor 100:
 - a. Add five additional fixtures #2 on new circuit, switched with #2 fixtures in Corridor 101. Layout of new fixtures will be on north side of curved wall matching fixtures on east side of curved wall. Final layout will be provided as an ASI.

General:

1. See Mechanical/Electrical Addendum No. 1 attached.

END OF ADDENDUM NO. 1-1

Attachments

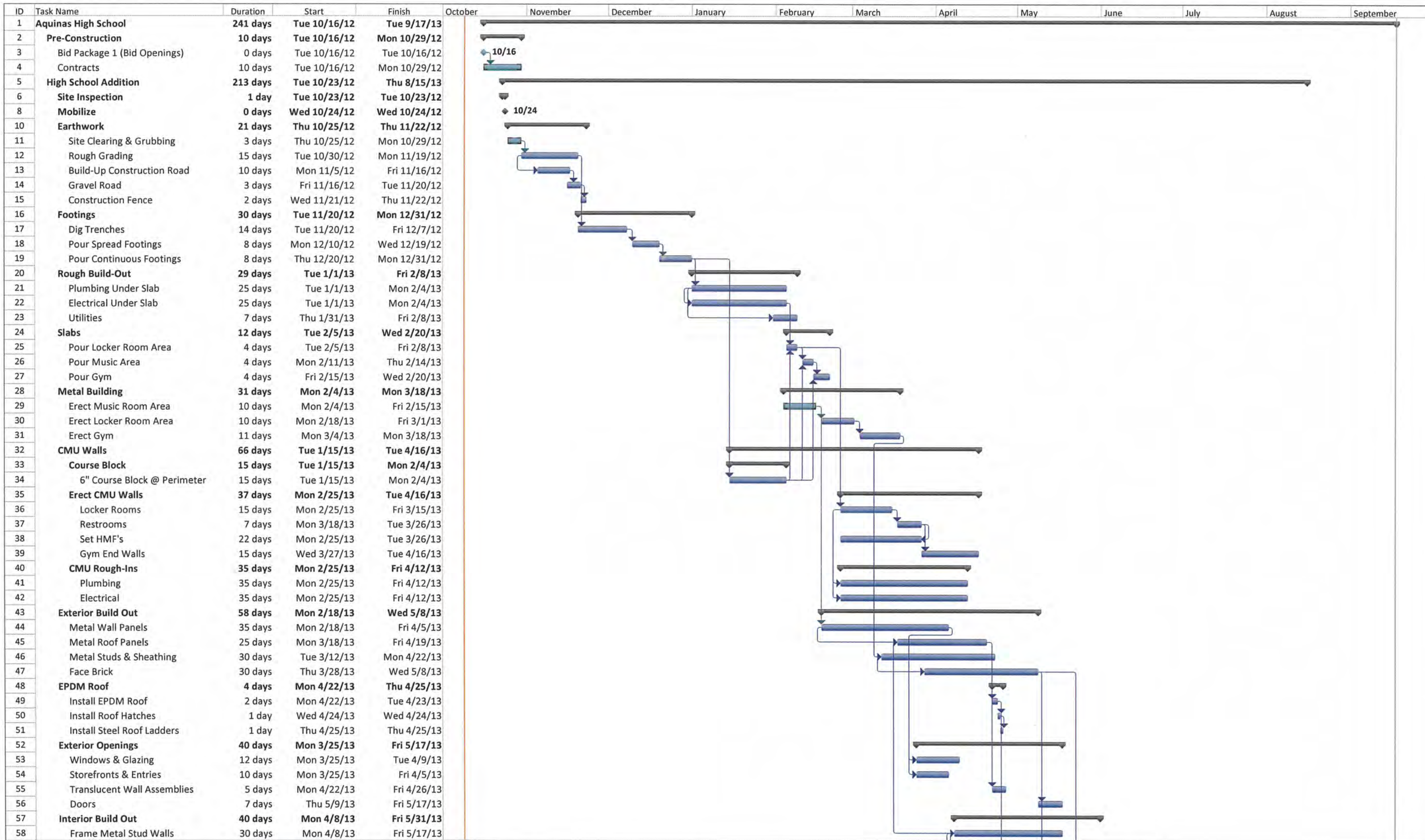
PRE-BID CONFERENCE SIGN-IN

PROJECT: Aquinas High School Addition
Bid Group #1

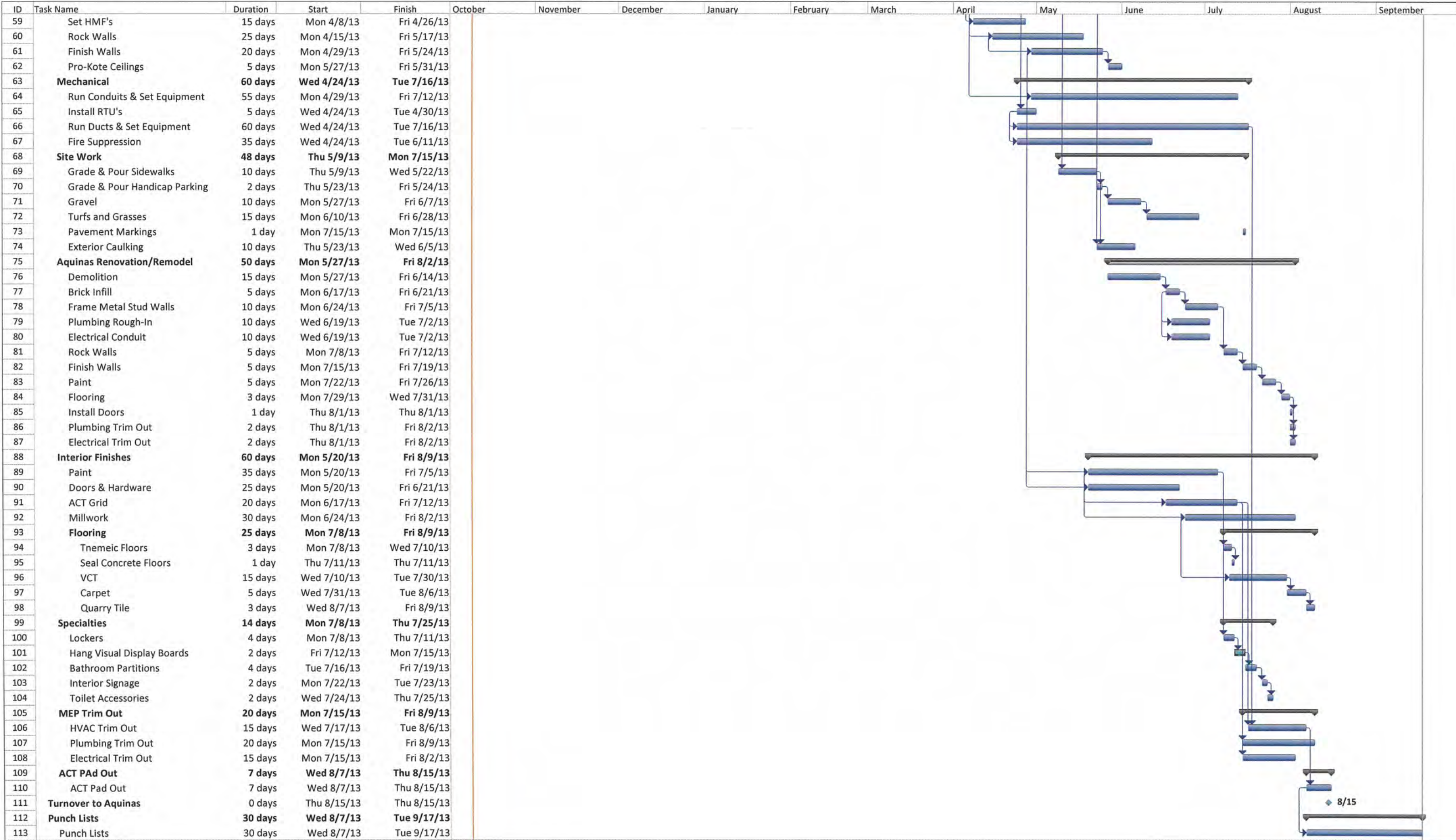
DATE: October 9, 2012 3:00 P.M.

PROJECT #: 1204

NAME	COMPANY	PHONE NUMBER
MEVIN HITTLE	SSH	402-483-2893
MATT SCHENDT	Hausmann	402-438-3230
JARED BENIS	Hausmann	438-3230
LES SWANSON	TULLSOY FIRE SPRINKLER	402 571-8754
DAN SEGEL	MIDDLTON ELECTRIC	308-382-2550
Gene Benes	Benes Heating & AC	402-783-2046
MANU SHANABAN	SHANABAN M+E	402 784 2381
BFOOKEN	Glass House	402 727 6070
BOOBIE	Glass House	402.727-6070
Craig Sapp	HEADLAND Elec.	308-385-4600
Dan Reznick	Reznick Electric	402-387-7810
Gary Demmel	Commonwealth Electric	402-563-9334
Mark Moravec	Chief Construction	308-389-7417
GARY PETERS	CHIEF CONSTRUCTION	308-390-6594
Mark Loney	NITZO MECHANICAL	402 477 0666
Kathy Chermek	Commonwealth	402-699-8857
John Bierman	Bierman Contracting	402-564-4749
Andrew Johnson	Continental Fire Sprinkler	402-330-5170
ADAM ROOT	GANATRACKING & EXCAVATING	402-794-5000



Project: Prelim Schedule Date: Tue 10/9/12	Task		Summary		External Milestone		Inactive Summary		Manual Summary Rollup		Finish-only	
	Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Deadline	
	Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Progress	



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	Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Progress	

AQUINAS CATHOLIC SCHOOLS
DAVID CITY, NEBRASKA

BID PROPOSAL FORM

Aquinas Catholic Schools
3420 Main Rd., P.O. Box 149
David City, Nebraska 68632

Issue Date: October 1st, 2012

Bid of _____,

Bidding on Scope of Work No(s): _____,

a corporation organized and existing under the laws of the State of _____;

a partnership consisting of _____, partners; or

a sole proprietor;

hereinafter called the Bidder.

To: Hausmann Construction
8545 Executive Woods Dr, #1
Lincoln, Nebraska 68512

The undersigned acknowledges that he has received and familiarized himself with the following:

Project Manual: Divisions and Sections as listed in the Table of Contents

Drawings: As listed on the Index of Drawings Sheet

Addenda: No. _____ Dated _____

No. _____ Dated _____

No. _____ Dated _____

AQUINAS CATHOLIC SCHOOLS
DAVID CITY, NEBRASKA

The undersigned further acknowledges that he has visited the site and familiarized himself with local conditions affecting the cost of the Work at the place where the Work is to be done.

In submitting this Bid, the undersigned agrees:

1. To furnish all material, labor, tools, expendable equipment, and all utility and transportation services necessary to provide and complete, in a workmanlike manner, all of the Work required for each Scope of Work indicated in accord with the Bidding Documents prepared by Schoenleber, Shriner & Hittle for the consideration hereinafter set forth.
2. To hold his Bid open for forty-five (45) days after the receipt of Bids and to accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
3. To enter into and execute a Contract if awarded on the basis of this Bid, to furnish a Performance Bond and a Labor and Material Payment Bond in accord with the General Conditions and General Requirements of this Contract, and to deliver executed Owner-Contractor Agreements and Bonds to the Construction Manager within seven (7) days after notification of award, for submittal to the Owner for his approval and acceptance.
4. To substantially complete the Work as specified in Division 01 Section 011010, "Scopes of Work".

LUMP SUM BASE BID: The undersigned hereby proposes and agrees to provide the foregoing for the following Scope(s) of Work: (Lump sum Base Bid amounts shall be shown in both words and figures. In case of discrepancy, the amounts shown in words will govern. If you are not providing a bid price for a Scope of Work, indicate by writing, "No Bid"):

1. Scope of Work No. 1 – Earthwork. Lump Sum of _____ dollars (\$_____).
2. Scope of Work No. 2 – Concrete Paving and Building Slabs. Lump Sum of _____ dollars (\$_____).
3. Scope of Work No. 3 – Reinforcing Steel Material Supply. Lump Sum of _____ dollars (\$_____).
4. Scope of Work No. 4 – Cast In Place Foundations. Lump Sum of _____ dollars (\$_____).
5. Scope of Work No. 5 – Helical Piles. Lump Sum of _____ dollars (\$_____).

AQUINAS CATHOLIC SCHOOLS
DAVID CITY, NEBRASKA

6. Scope of Work No. 6 – Turf and Grasses. Lump Sum of _____ dollars (\$_____).

~~7. Scope of Work No. 7 – Unit Masonry. Lump Sum of _____ dollars (\$_____).~~
Not part of BP-1

8. Scope of Work No. 8 – Metal Building Material Supply. Lump Sum of _____ dollars (\$_____).

9. Scope of Work No. 9 – Metal Building Steel Erection. Lump Sum of _____ dollars (\$_____).

Combine Scope of Work No. 8 and 9. Metal Building Material Supply; Metal Building Steel Erection. Lump Sum of

_____ dollars (\$_____).

10. Scope of Work No. 10 – Insulated Metal Wall and Roof Panels Supply. Lump Sum of _____ dollars (\$_____).

11. Scope of Work No. 11 – Insulated Metal Wall and Roof Panel Installation. Lump Sum of _____ dollars (\$_____).

Combine Scope of Work No. 10 and 11. Insulated Metal Wall and Roof Panels Supply; Insulated Metal Wall and Roof Panel Installation. Lump Sum of

_____ dollars (\$_____).

12. Scope of Work No. 12 – EPDM Roof and Flashings. Lump Sum of _____ dollars (\$_____).

~~13. Scope of Work No. 13 – Joint Sealants. Lump Sum of _____ dollars (\$_____).~~
Not part of BP-1

14. Scope of Work No. 14 – Doors, Frames, Hardware. Lump Sum of _____ dollars (\$_____).

AQUINAS CATHOLIC SCHOOLS
DAVID CITY, NEBRASKA

15. Scope of Work No. 15 – Aluminum, Glass and Glazing. Lump Sum of _____ dollars (\$_____).
16. Scope of Work No. 16 – Translucent Wall and Roof Assemblies. Lump Sum of _____ dollars (\$_____).
17. Scope of Work No. 17 – Site Utilities. Lump Sum of _____ dollars (\$_____).
18. Scope of Work No. 18– Fire Suppression. Lump Sum of _____ dollars (\$_____).
19. Scope of Work No. 19 – Plumbing and Piping. Lump Sum of _____ dollars (\$_____).
20. Scope of Work No. 20 – HVAC. Lump Sum of _____ dollars (\$_____).
21. Scope of Work No. 21 – Electrical, Communication, Fire Alarm. Lump Sum of _____ dollars (\$_____).
22. Scope of Work No. 22 – Rolling Counter Doors. Lump Sum of _____ dollars (\$_____).

The undersigned has attached the required Bid Security and other items required in the Instructions to Bidders.

In submitting this Bid, it is understood that the right to reject any and all Bids and to waive irregularities in the bidding has been reserved by the Owner.

Dated this _____ day of _____, 20_____

Name of Bidder

Address of Bidder

Authorized Officer

Area Code/Telephone Number

AQUINAS CATHOLIC SCHOOLS
DAVID CITY, NEBRASKA

ALTERNATES: The above Lump Sum Base Bids may be modified in accord with the following Alternates as may be accepted by the Owner. Provide a bid for all Alternates. If there is no cost to the work described, indicate so by writing zero, \$0. If you do not provide a bid price, indicate so by writing, "No Bid."

ALTERNATE NO. E-1: Remove outdated Federal Pacific panelboards and replace with new. Reconnect existing branch circuits, see panel schedules. If this Alternate is accepted, add to the Lump Sum Base Bid the sum of

_____ dollars (\$_____).

ALTERNATE NO. E-2: Electrical Contractor to be responsible for wire/devices in the gym. Base bid includes just conduit/boxes and Fire Alarm System. If this Alternate is accepted, add to the Lump Sum Base Bid the sum of

_____ dollars (\$_____).

ALTERNATE NO. E-3: Extend DEMARC to new telecom closet with category 3 25-pair in 1-2"C. Terminate to 66-style connecting blocks with stand-off bracket. Provide blocks for number of cables terminated plus 25% spare. Label at both ends. If this Alternate is accepted, add to the Lump Sum Base Bid the sum of

_____ dollars (\$_____).

UNIT PRICES: The Unit Prices listed below shall determine the value of extra/less work or changes, as applicable. They shall be considered complete, including all materials and equipment, labor, installation costs, overhead, and profit, and shall be used uniformly for additions or deductions respectively.

1. Provide 5" concrete sidewalk with fibermesh reinforcing:

Add (\$_____) for each square foot added to the project not already in the Contract Documents

2. Provide fill material & placement at roadway, parking and landscape areas:

Add or Deduct (\$_____) for each cubic yard added or deducted for roadway & parking fill material.

Add or Deduct (\$_____) for each cubic yard added or deducted for landscape fill material.

3. Provide 4" crushed limestone paving:

Add or Deduct (\$_____) per ton of 4" crushed limestone paving

END OF SECTION

**SECTION 01 2200
UNIT PRICES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Administrative and procedural requirements for unit prices.

1.02 RELATED SECTIONS

- A. Section 01 2000: Price and Payment Procedures.

1.03 DEFINITIONS

- A. Unit price is **an amount incorporated in the Agreement, applicable during the duration of the work as** a price per unit of measurement for materials, equipment, or services, or a portion of the work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work, or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.04 PROCEDURES

- A. Unit prices include all necessary material, plus cost of delivery, installation, insurance, applicable taxes, overhead and profit.
- B. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- C. List of Unit Prices: A schedule of unit prices is included in the Bid Form. Materials described under each unit price, shall meet applicable specification sections in the Project Manual.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.01 SCHEDULE OF UNIT PRICES

- A. See Bid Form.

END OF SECTION

SECTION 01 2300

ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Administrative and procedural requirements for alternates.

1.02 DEFINITIONS

- A. Alternates: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.
 - a. Deductive Alternates:
 - 1) Cost of each alternate is included in Base Bid.
 - 2) At Owner's discretion, the scope of work and associated cost for each alternate may be deducted from the contract.
 - b. Additive Alternates:
 - 1) Cost of each alternate is **not** included in Base Bid.
 - 2) At Owner's discretion, the scope of work and associated cost for each alternate may be added to the contract.

1.03 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.01 SCHEDULE OF DEDUCTIVE ALTERNATES

- A. None.

3.02 SCHEDULE OF ADDITIVE ALTERNATES

- A. Alternate No. E-1:
 - 1. Remove and replace outdated Federal Pacific Panelboards.

- B. Alternate No. E-2:
 - 1. Add light fixtures and wire/connections behind bleacher area.

- C. Alternate No. E-3:
 - 1. Add telecom cabling.

END OF SECTION

SECTION 07 8400

FIRE STOPPING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fire stopping materials.
- B. Fire stopping of all penetrations and interruptions to fire rated assemblies, whether indicated on drawings or not.

1.02 REFERENCES

- A. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2005a.
- B. FM 4991 - Approval of Firestop Contractors; Factory Mutual Research Corporation; 2001.
- C. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

1.03 SUBMITTALS

- A. See Division 01 Administrative Requirements, for submittal procedures.
- B. Schedule of Fire stopping: List each type of penetration, fire rating of the penetrated assembly, and fire stopping test or design number.
- C. Product Data: Provide data on product characteristics, performance ratings and limitations.
- D. Manufacturer's Installation Instructions: Indicate preparation and installation instructions.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Qualification statements for installing mechanics.

1.04 QUALITY ASSURANCE

- A. Fire Testing: Provide fire-stopping assemblies of designs, which provide the specified fire ratings when tested in accordance with ASTM E 119.
 - 1. Listing in the current-year classification or certification books of UL, FM, or ITS (Warnock Hersey) will be considered as constituting an acceptable test report.
 - 2. Valid evaluation report published by ICC Evaluation Service, Inc. (ICC-ES) at www.icc-es.org will be considered as constituting an acceptable test report.
 - 3. Submission of actual test reports is required for assemblies for which none of the above substantiation exists.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years experience.
- C. Installer Qualifications: Company specializing in performing the work of this section and:
 - 1. With minimum three years experience installing work of this type.
 - 2. Able to show at least five satisfactorily completed projects of comparable size and type.
 - 3. Approved by fire stopping manufacturer.
- D. Installing Mechanic's Qualifications: Trained by fire stopping manufacturer and able to provide evidence thereof.

1.05 ENVIRONMENTAL REQUIREMENTS

- A. Comply with fire stopping manufacturer's recommendations for temperature and conditions during and after installation. Maintain minimum temperature before, during, and for three days after installation of materials.
- B. Provide ventilation in areas where solvent-cured materials are being installed.

PART 2 PRODUCTS

2.01 FIRESTOPPING ASSEMBLIES

- A. Firestopping: Any material meeting requirements.
 - 1. Fire Ratings: Use any system listed by UL that has F Rating equal to fire rating of penetrated assembly and T Rating Equal to F Rating and that meets all other specified requirements.

2.02 MATERIALS

- A. Elastomeric Silicone Firestopping: Single component silicone elastomeric compound and compatible silicone sealant; conforming to the following:
 - 1. Durability and Longevity: Permanent.
 - 2. Color: Black, dark gray, or red.
 - 3. Manufacturers:
 - a. A/D Fire Protection Systems Inc: www.adfire.com.
 - b. 3M Fire Protection Products: www.3m.com/firestop.
 - c. Hilti, Inc: www.us.hilti.com.
 - d. Specified Technologies, Inc: www.stifirestop.com.
 - e. Substitutions: See Division 01 Product Requirements.
- B. Foam Firestopping: Single component foam compound conforming to the following:
 - 1. Durability and Longevity: Permanent.
 - 2. Color: Dark grey.
 - 3. Manufacturers:
 - a. 3M Fire Protection Products: www.3m.com/firestop.
 - b. Hilti, Inc: www.us.hilti.com.
 - c. Specified Technologies, Inc: www.stifirestop.com.
 - d. Substitutions: See Division 01 Product Requirements.
- C. Intumescent Putty: Compound which expands on exposure to surface heat gain; conforming to the following:
 - 1. Potential Expansion: Minimum 1000 percent.
 - 2. Durability and Longevity: Permanent.
 - 3. Color: Black, dark gray, or red.
 - 4. Manufacturers:
 - a. Grace Construction Products: www.na.graceconstruction.com.
 - b. 3M Fire Protection Products: www.3m.com/firestop.
 - c. Hilti, Inc: www.us.hilti.com.
 - d. Specified Technologies, Inc: www.stifirestop.com.
 - e. Substitutions: See Division 01 Product Requirements.
- D. Primers, Sleeves, Forms, Insulation, Packing, Stuffing, and Accessories: Type required for tested assembly design.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify openings are ready to receive the work of this section.

3.02 PREPARATION

- A. Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other matter, which may affect bond of fire stopping material.
- B. Remove incompatible materials which may affect bond.
- C. Install backing materials to arrest liquid material leakage.

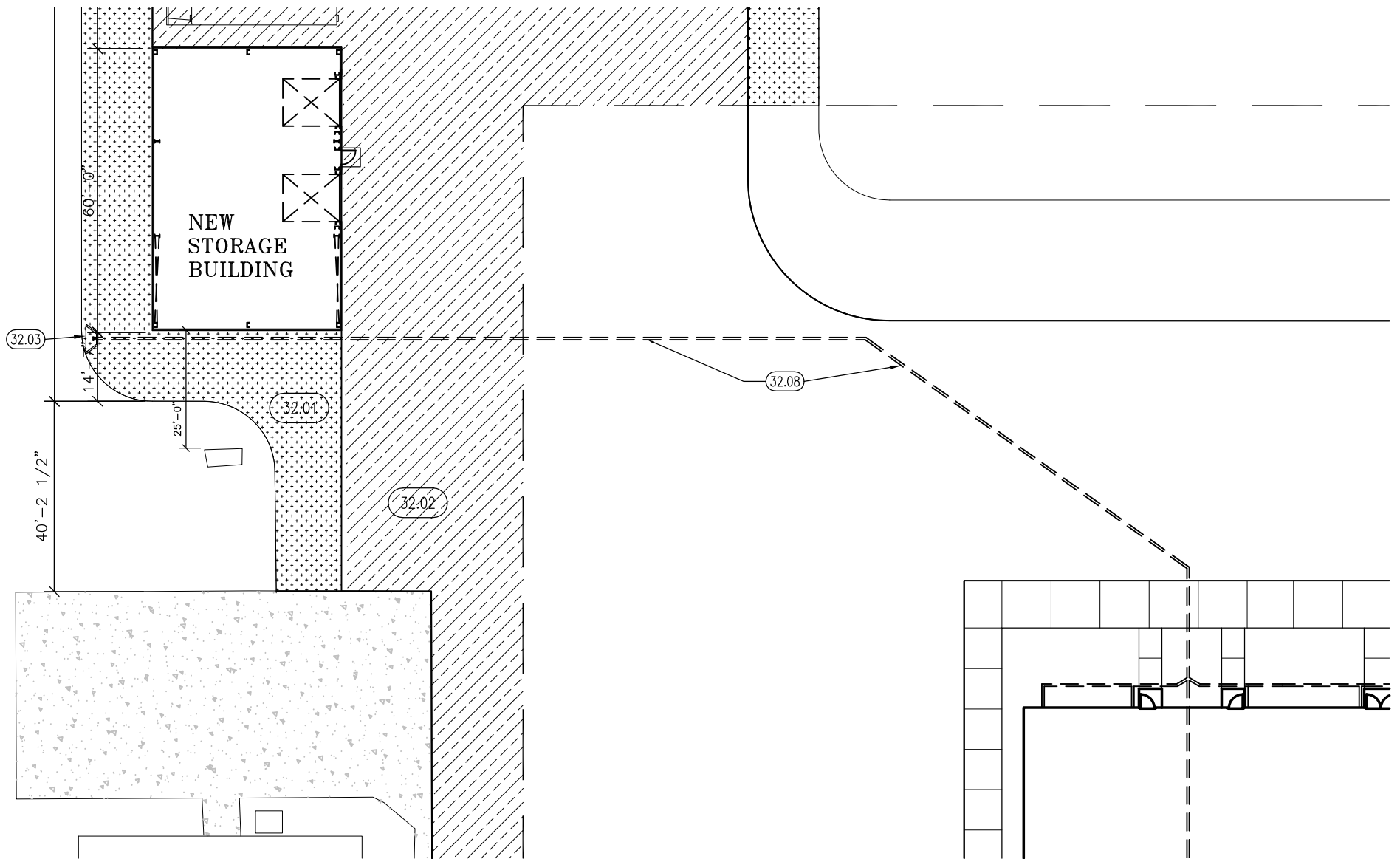
3.03 INSTALLATION

- A. Install materials in manner described in fire test report and in accordance with manufacturer's instructions, completely closing openings.
- B. Do not cover installed fire stopping until inspected by authority having jurisdiction.
- C. Install labeling required by code.

3.04 CLEANING AND PROTECTION

- A. Clean adjacent surfaces of fire stopping materials.
- B. Protect adjacent surfaces from damage by material installation.

END OF SECTION



UNDERGROUND RAINWATER DRAIN

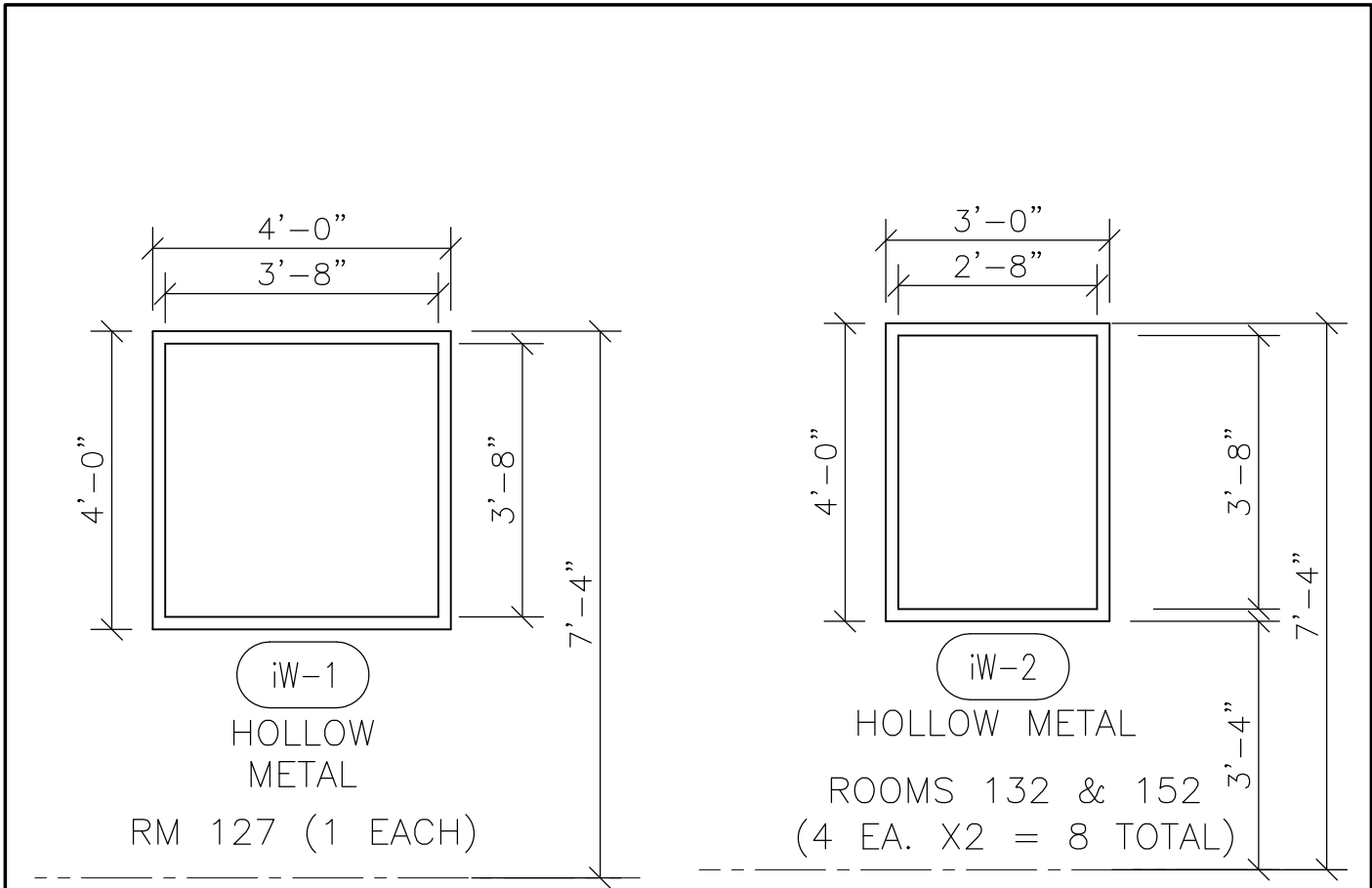
SCALE: 1" = 30'



Project Name:
AQUINAS HIGH SCHOOL
GYM, LOCKER ROOM AND MUSIC AREA ADDITION
DAVID CITY, NE

Ref. Sht #:
C110
 OCT 2012

ATTACHMENT A



A16	INTERIOR WINDOW TYPE
A800	SCALE: 1/4" = 1'-0"

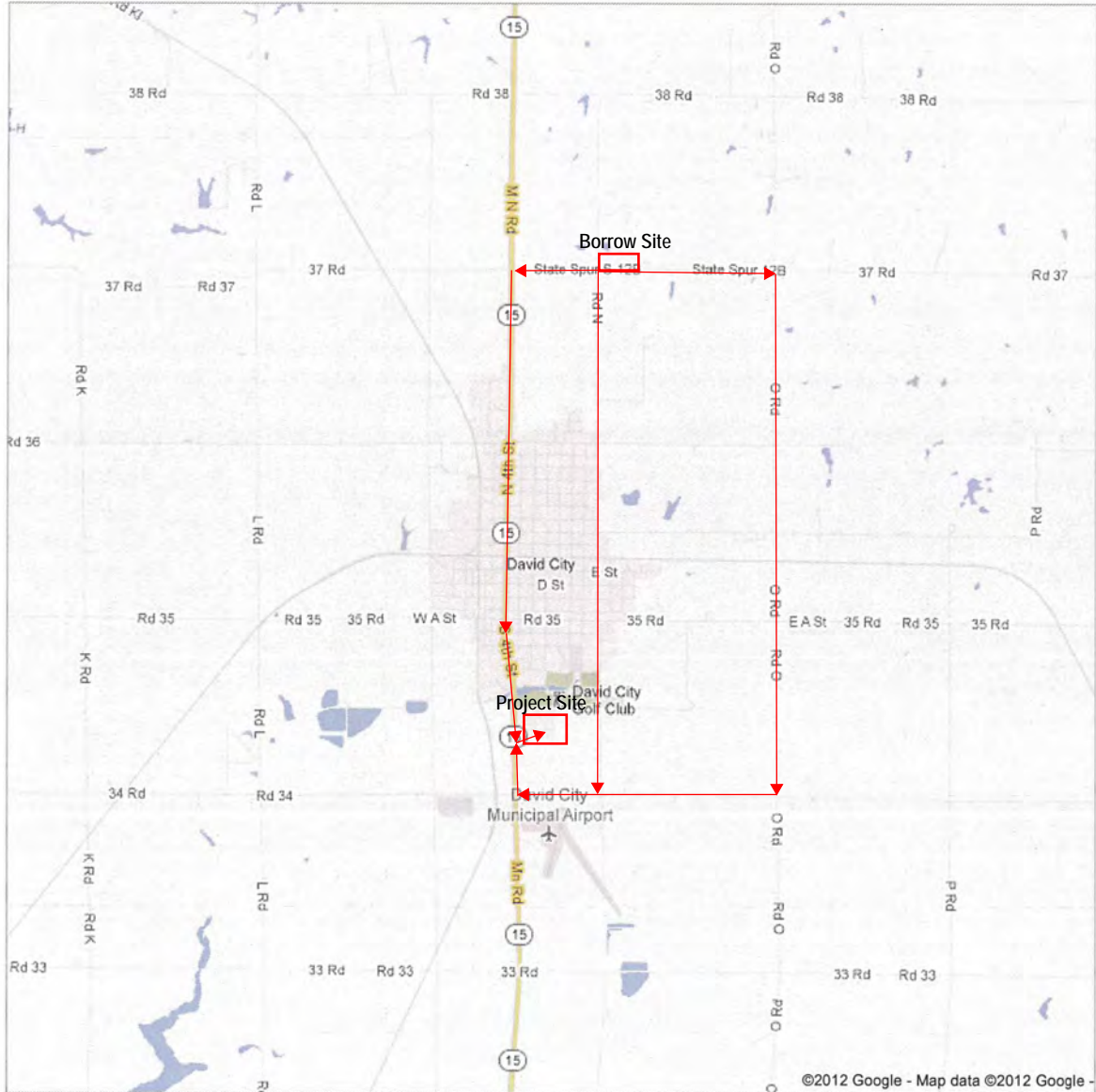
INTERIOR WINDOW

SCALE: 1/4" = 1'



Project Name:
AQUINAS HIGH SCHOOL
 GYM, LOCKER ROOM AND MUSIC AREA ADDITION ATTACHMENT C
 DAVID CITY, NE

Ref. Sht #:
A800
 OCT 2012



Mike Kozisek
402-270-1988

ATTACHMENT D

ADDENDUM



Date: October 10, 2012

Project: Aquinas High School Gym, Locker Room & Music Area Addition

To: Kevin Hittle
Schoenleber, Shriner & Hittle
123 South 84th Street
Suite A
Lincoln, NE 68510

Project No.: 2012-067

Addendum No.: 1

CC:

CHANGES TO PROJECT DRAWINGS

Mechanical

1. Sheet M101

A. Main Level Mechanical Plan – Area E

- 1) At Instr. Music 115, provide a new sink (S-1) in cabinetry in the northeast corner of the room. Extend 2" waste piping from sink to main waste line to the north. Extend 3/4" domestic cold water piping from Boys Restroom 124 to new sink location. Provide a new 3.0kW electric instantaneous water heater located under sink (S-1). Refer to attached supplemental drawings AD001.M101-1, AD001.M101-2, AD001.M301-1 & AD001.M301-2 for details.

B. Partial Plan View – P1

- 1) At Boys Restroom 124, extend 1/2" domestic cold water piping from Chase 123 to electric water coolers (EWC-1's) located to the west in Corridor 101. Refer to attached supplemental drawing AD001.M101-2 for details.

C. Main Level Mechanical Plan – Area E

- 1) At Mechanical 140, there shall be a minimum clearance of 18" around each installed water heater (DWH-1, 2, &3) on all sides.

2. Sheet M201

A. Main Level HVAC Plan – Area E

- 1) At Instr. Music 115, revise supply air ductwork layout to be installed between building structure as shown on attached supplemental drawing AD001.M201-1. Install ductwork as high as possible to allow for high ceilings in this room.

B. Main Level HVAC Plan – Area E

- 1) At Mechanical 140, provide and install a 14x14 RG-3 (with addition of opposed blade damper) return grille on the vertical return ductwork for furnace F-5. Return grille shall be provided with an opposed blade damper. Refer to attached supplemental drawing for details.

C. Main Level HVAC Plan – Area E

- 1) At Locker Rms 130, 135, 150, 155; supply registers located next to exterior doors shall be SR-1 aluminum registers in lieu of SR-2 steel registers as shown. All supply, return, and exhaust grilles/registers located in locker room areas shall be of aluminum construction.

3. Sheet M301

A. Mechanical Schedules, Symbols & Risers

- 1) At Domestic Water Heater Schedule, domestic water heaters 1, 2 & 3 shall be A.O. Smith BTH-500A ASME Rated water heaters in lieu of BTH-500 water heaters. Refer to attached supplemental drawing AD001.M301-1 for details
- 2) At Domestic Water Heater Schedule, add domestic water heater 4 – 3.0kW electric instantaneous water heater to schedule. Refer to attached supplemental drawing AD001.M301-1 for details.



Electrical

1. Sheet ME101

A. Electrical Site Plan

- 1) New panel H feeder; transition from underground to above ceiling at approximate location shown in Corridor 100 [adjacent new exterior double door]. Route to above new ACT ceiling & over to new j-box shown at room 73. Feeder shall not be routed underground inside the building. Existing exterior conduit at wall of room 73 shall be removed. See attached drawing AD001.ME101-1.

2. Sheet E101

A. Main Level Lighting Plan – Area E

- 1) At Vestibule 105; add one-1 type 11 light fixture above exterior door. Mount at 9'-0" AFF & connect to emergency circuit L-2.
- 2) At Vestibule 107; add one-1 type 11 light fixture above exterior door. Mount at 9'-0" AFF & connect to emergency circuit L-2.
- 3) Keynote #9; provide 400W inverter system in lieu of 300W. New model #: High Lites PFT46-120 [or equal]. Provide heavy-duty wall supporting & blocking means as required to adequately support unit.
- 4) At Corridor 101 [adjacent Vocal Music 110]; change light fixture type 28 to type 3.

3. Sheet E201

A. Main Level Electrical Plan – Area E

- 1) At Mechanical 140; add magnetic hold opens/smoke detectors at door 140A.
- 2) At Instr. Music 115; add electrical connection to 3.0kW 208V/1ph domestic water heater [DWH-4]. Provide Ste disconnect & connect to panel L with 2-#8 plus 1-#10gnd in ¾"C. Terminate to new 20/2 brkr. See attached drawing AD001.E201-1.
- 3) Keynote #8; cable trays shall 12"Wx2"D. New model #: Cablofil CF 54/300 [or equal].
- 4) Alternate E-3; provide 1-RG6 backbone connection between telecom closet 43 & telecom closet 120 & terminate to line taps.
- 5) Video surveillance; the contractor shall provide a box & conduit stub-out to accessible location only, with the exception of relocating one-1 existing camera. New cameras & wire by owner.

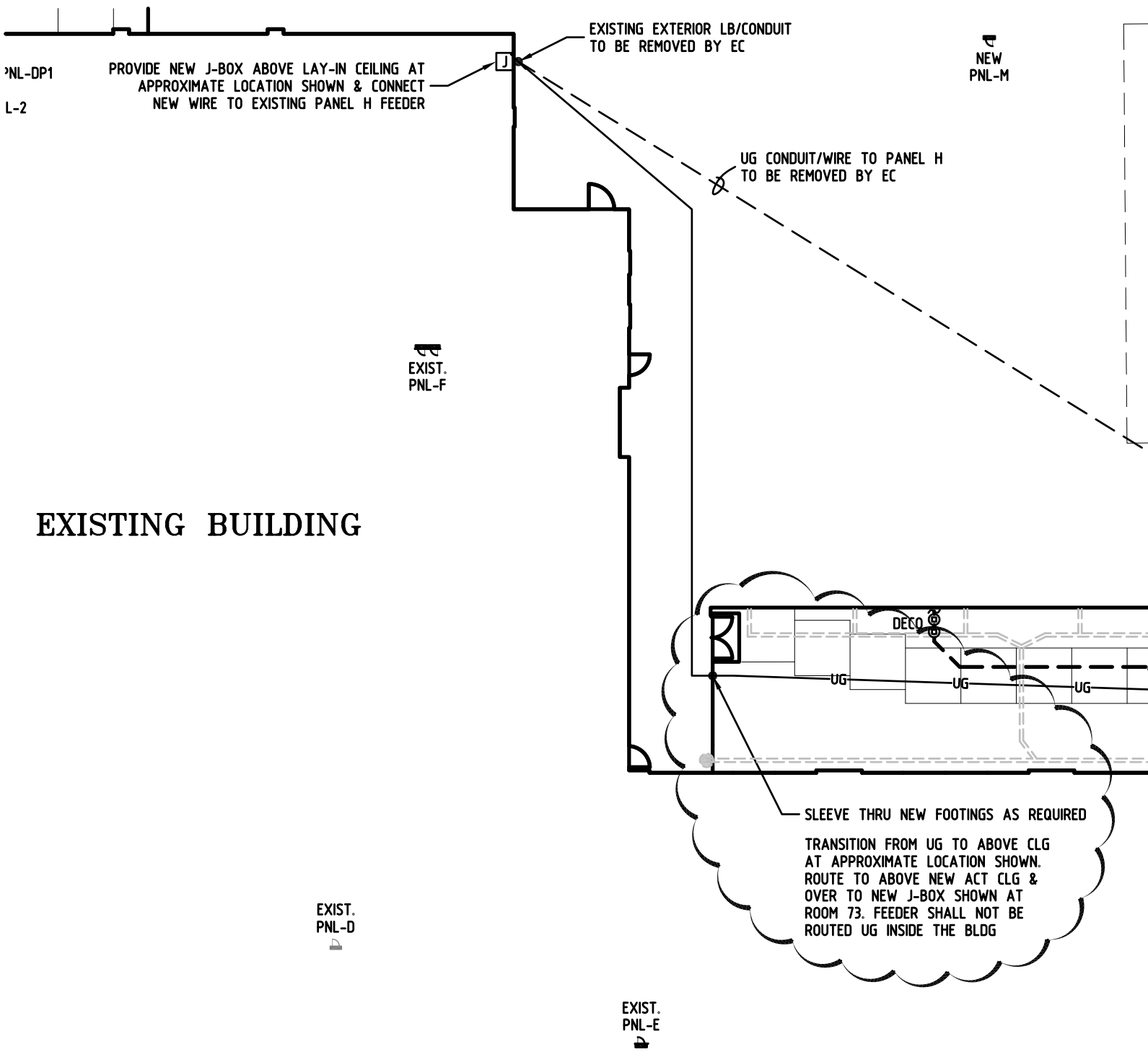
4. Sheet E401

A. Electrical One-Line Diagram

- 1) Internally-mounted surge protective device to be provided with factory-installed disconnecting means. Delete 60/3 brkr in switchboard MSB & associated wire.

By: Matt Benes (Mech), Jason Leu (Elec)

Date: 10/10/12



EXISTING BUILDING

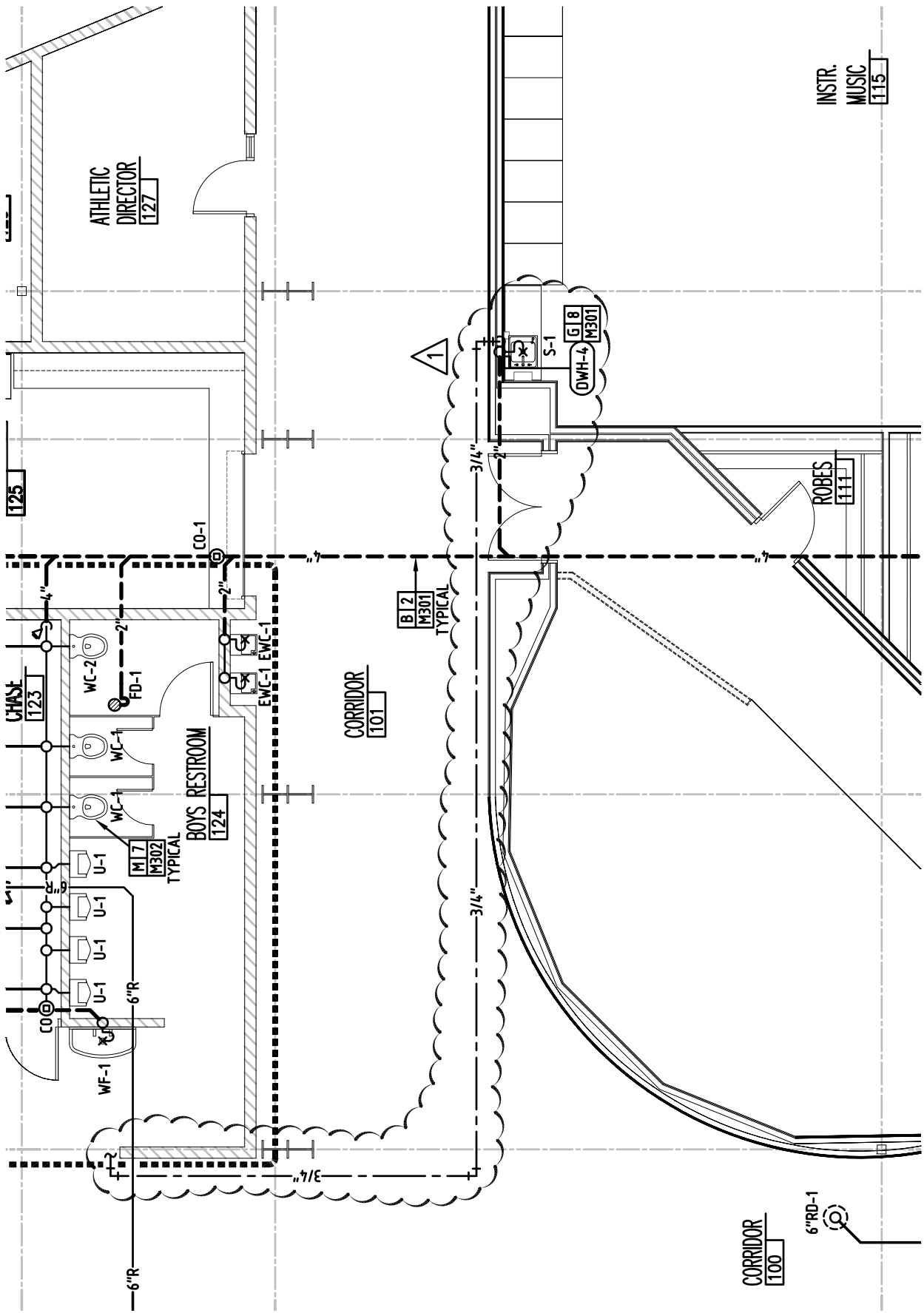
A1	MECHANICAL/ELECTRICAL SITE PLAN
E201	SCALE: 1"=20'-0"


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 PROJECT #: 2012-067
 DESCRIPTION: Addendum #1

SHEET:
ME101
 AD001.ME101-1



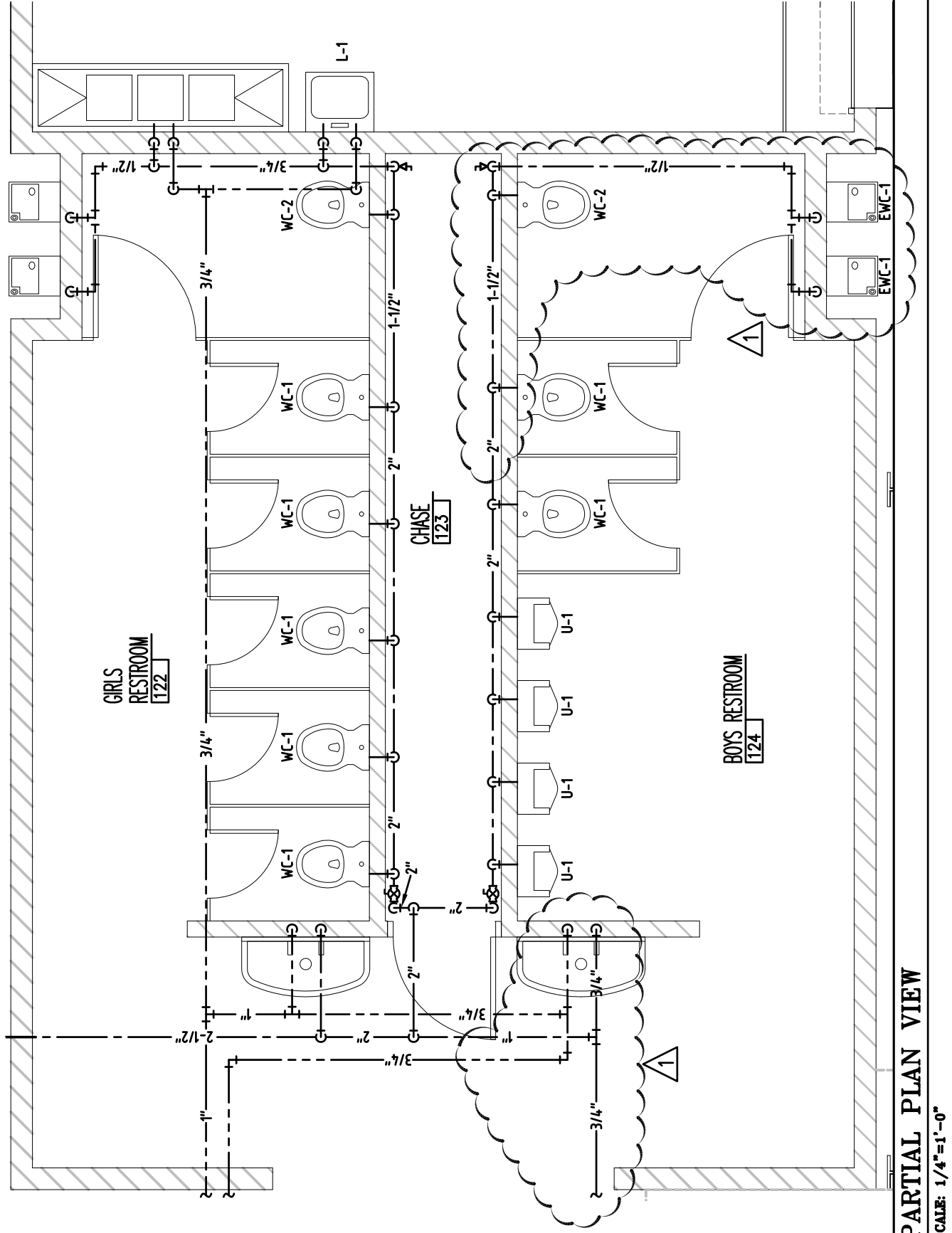
A1	MAIN LEVEL MECHANICAL PLAN - AREA E	
M101	SCALE: 1/8"=1'-0"	

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P1 PARTIAL PLAN VIEW

M101 SCALE: 1/4"=1'-0"

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AES ADVANCED ENGINEERING SYSTEMS

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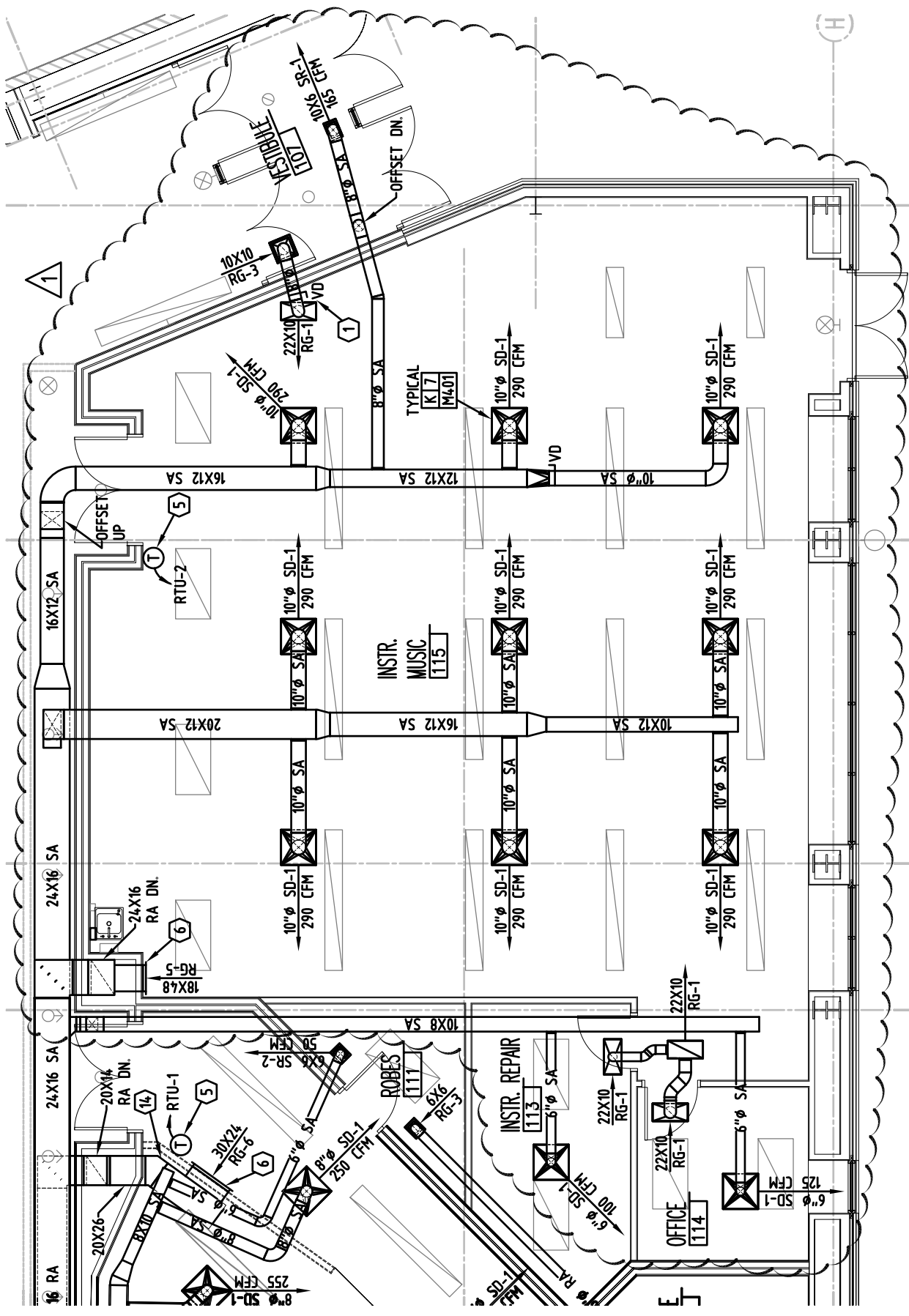
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DESCRIPTION: Addendum #1

SHEET:

M101

AD001.M101-2



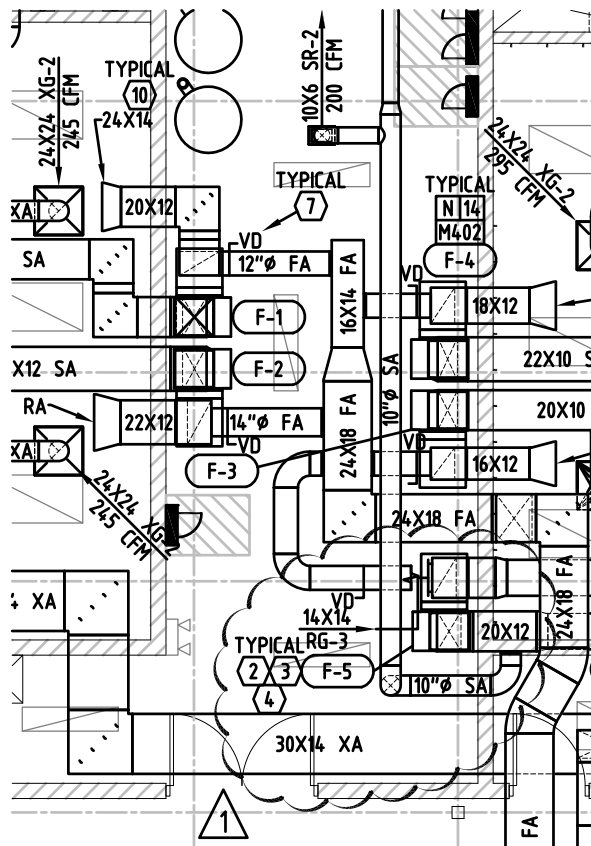
A1	MAIN LEVEL HVAC PLAN - AREA E
M201	SCALE: 1/8"=1'-0"

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A1	MAIN LEVEL HVAC PLAN - AREA E	
M201	SCALE: 1/8"=1'-0"	

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DOMESTIC WATER HEATERS

MARK	MANUFACTURER	MODEL #	STORAGE GALLONS	ELECTRIC HEATER		GAS HEATER		1ST HR RATING- GALLONS	GALLONS/HOUR RECOVERY AT 100°TEMPERATURE RISE	TEMPERATURE SET POINT	DWH LOCATION	AREAS SERVED	NOTES
				VOLT	PHASE	WATTS	GAS TYPE						
DWH-1													
DWH-2	A.O. SMITH	BTH-500A	130	-	-	-	NATURAL	499.9	94	120°	MECHANICAL ROOM	DOMESTIC HOT WATER	1,2,3,4
DWH-3													
DWH-4	EEMAX	SP3208	-	208	1	3000	-	-	-	110°	UNDER SINK	SINK	5

DOMESTIC WATER HEATER SCHEDULE NOTES

1. INSTALL HEAT TRAPS IN BOTH INLET AND OUTLET PIPING AT CONNECTION TO WATER HEATER.
2. VERIFY PH LEVEL OF WATER IN AREA AND PROVIDE MANUFACTURER RECOMMENDED ANODE ROD.
3. WATER HEATER REQUIRES 120 VOLT, 1Ø WATER HEATER SHALL BE ASME RATED.
4. CONDENSATE DRAIN SHALL BE PIPED TO NEAREST FLOOR DRAIN.
5. REFER TO SINGLE LAV WATER HEATER DETAIL ON THIS SHEET.

PLUMBING FIXTURES

MARK	FIXTURE	MANUFACTURER	MODEL #	PIPING SIZE TO FIXTURE			ACCESSORIES	FIXTURE DESCRIPTION AND OPTIONS
				COLD	HOT	WASTE		
S-1	SINK W/ BUBBLER	ELKAY	DRKR 2220	1/2"	1/2"	2"	ELKAY LKD 2439 DECK MOUNT DUAL LEVER CHROME FAUCET WITH BASKET STRAINER, DEARBORN 510 TRAP. LK-1141A DECK MOUNTED BUBBLER MOUNTED AS SHOWN ON DRAWINGS.	22" X 19-1/2" X 7-5/8" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL.

A1 M301 MECHANICAL SCHEDULES, SYMBOLS & RISERS

SCALE: NTS

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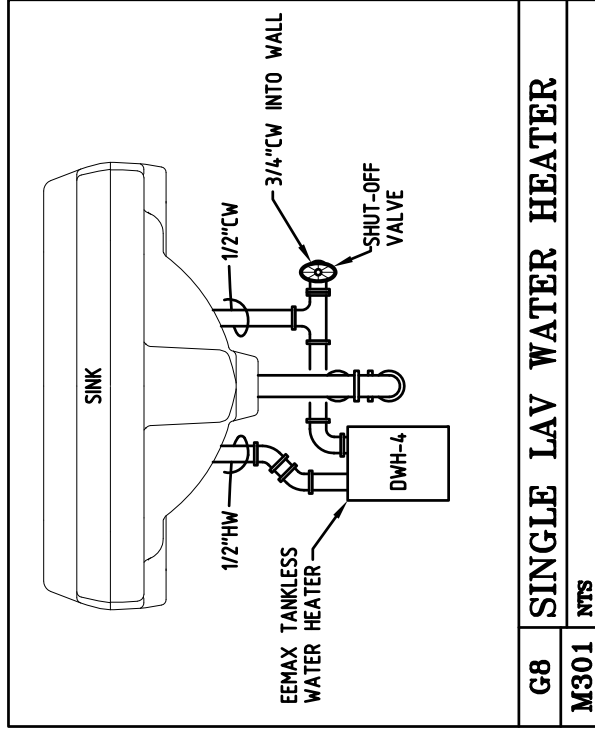
DATE: 10/10/2012

DESCRIPTION: Addendum #1

SHEET:

M301

AD001.M301-1



G8	SINGLE LAV WATER HEATER
M301	NTS

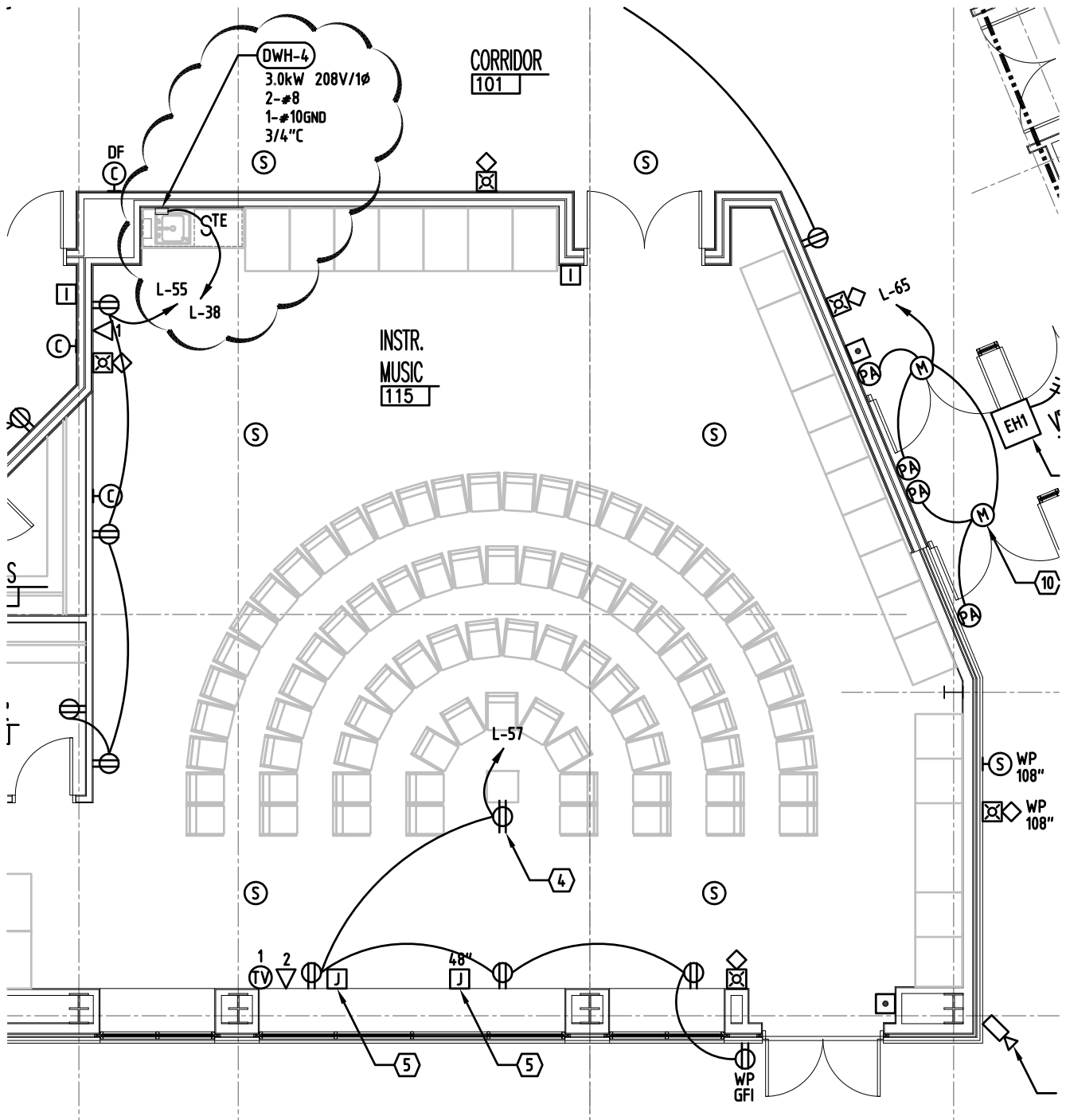
A1	MECHANICAL SCHEDULES, SYMBOLS & RISERS	○
M301	SCALE: NTS	

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M301
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A1	MAIN LEVEL ELECTRICAL PLAN - AREA E
E201	SCALE: 1/8"=1'-0"

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