

Addendum Number Two

To The Drawings and Specifications for
Hadley Middle School – Wichita, Kansas
Wichita Unified School District # 259

Issued: April 23, 2010

HANNEY & ASSOCIATES ARCHITECTS

1726 South Hillside, Wichita, Kansas

NOTICE TO BIDDERS

You are hereby instructed to include in your bids the following changes and/or corrections to the Drawings and Specifications for the Hadley Middle School Addition/Renovations in Wichita, Kansas.

The additions and/or corrections shall be considered as a part of the Contract Documents as if incorporated therein. Where the following corrections and/or additions vary from the conditions of the Drawings and Specifications, such following changes or additions shall govern.

I. GENERAL CLARIFICATIONS:

- 1.1 The Bid date shall remain unchanged.
- 1.2 Please check our website for current plan holder's lists and downloadable addendum information including addendum-issued drawings and documents. www.haarchitects.com via the "information on current bid packages" link.
- 1.3 Products or manufacturers approved as "Equals" shall meet all requirements of the plans, specifications, standards of performance and construction as established by the product or manufacturer originally specified.
- 1.4 From Addendum One, Item 2.7: Cement mortar for shower pans spec shall be deleted from this project.
- 1.5 Hadley will not have a summer school session.
- 1.6 A new wood floor will be installed in the existing gymnasium this summer (by separate contract). The general contractor may have some coordination with the wood flooring installer.
- 1.7 USD 259's asbestos removal contractor will remove tile and mastic from floors but will not bead blast the existing slab. Any floor prep will be the responsibility of the general contractor.
- 1.8 The Bid Form is being re-issued again (Section 00310r-2) to reflect the correct date of substantial completion: June 30, 2011. GCs should download this document and use it to submit their bids on.
- 1.9 The general contractor shall include the sum of \$4000 in their proposal as an allowance for Safe Room Special Inspections. This sum shall include ten (10) site visits by an engineer to review the contractor's work. Any additional special inspections and any return visits due to failed inspections shall be at the general contractors cost.
- 1.10 The concrete mix design for site use may contain up to 25% Class C fly ash.

II. CHANGES TO THE SPECIFICATIONS:

- 2.1 Section 07000- Moisture Protection
Mel-Rol LM is an approved equal to the surface-applied waterproofing specified.
- 2.2 Section 7510- Modified Asphalt Bituminous Roofing
2.2.1 GAF is not an approved equal to the roofing specified.
2.1.2. John Mansville is not an approved equal to the roofing specified.
- 2.3 Section 8110- Standard Steel Doors and Frames
2.3.1 Ceco Door Products is an approved supplier of steel doors and frames.
2.3.2 Curries is an approved supplier of steel doors and frames.
- 2.4 Section 8400- Entrances and Storefronts
2.4.1 Manko 250 Series is an approved equal to the Curtain Wall specified.
2.4.2 Manko 2450 Series is an approved equal to the Storefront Framing specified.
2.4.3 Manko 135 Series is an approved equal to the Aluminum Doors specified.
- 2.5 Section 8520- Aluminum Windows
Manko 4580 Series is an approved equal to the windows specified.
- 2.6 Section 08700 – Hardware
Additions and revisions shall be as follows:

SET #02 - Exterior (HMD x HMF)

Doors: 109E

3 Hinges	T4A3386 5 X 4 1/2 NRP	32D	MC
1 Mortise Lockset w/ Deadbolt	ML2067 LWM LC	626	CR
1 Mortise Cylinder	1E-74 STD	626	BE
1 Closer w/ HD Spring Stop	DC8210 A11 M54	689	CR
1 Kickplate	KP50 34" x 2" LDW B4E CSK	US32D	MC
1 Door Stop	DS08	US32D	MC
1 Raindrip	346 C x Overall Frame Width		PE
1 Weatherstrip	2891 AS (Head & Jambs)		PE
1 Drip Sweep	345 AV x Door Width		PE
1 HD Threshold	1715 A x Opening Width		PE

NOTE: Install weatherstrip before installing Door Closer.

SET #08 - Toilet (HMD x HMF)

Doors: 107A, 108A, E114A, E118A

3 Hinges	TA2714 4 1/2 X 4 1/2	26D	MC
1 Mortise Lockset w/ Deadbolt	ML2029 LWM	626	CR
1 Cylinder	1011-114-A04-L4	626	CR
1 Wall Stop	WS02	US32D	MC
1 Sound Seal	PK 55 D (Head & Jambs)		PE

SET #12 - Waiting (ALD x ALF)

Doors: E100B, E101A

1 Pivot Set	195 3/4" OFFSET	626	RX
1 Side Pivot	M19	626	RX
1 Deadlock	MS1850S 1 1/8"BS 4505-01	628	AD
1 Cylinder	1000-118-A03-6	626	CR
1 Pull/Push Bar Set	OP810	US32D	MC
1 Closer w/ HD Stop in Arm	DC6210 A4 M54	689	CR
1 Lever Operator	4550	RC130	AD

SET #19 - Vestibule (ALD x ALF)

Doors: E144B

1 Removable Mullion	90KR 96"		DE
1 Exit Device	8510 F 862	32D	SA
1 Rim Exit Device	LC 8504 F 862	32D	SA
1 Rim Cylinder	1E-72 STD RP	626	BE

NOTE: Balance of hardware is existing.

SET #20 - Vestibule (ALD x ALF)

Doors: E144A, E144C

1 Exit Device	8510 F 862	32D	SA
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NOTE: Balance of hardware is existing.

2.7 Section 09640 – Wood Athletic Flooring

2.7.1 Aacer Flooring, LLC is an approved wood flooring supplier.

2.7.2 Tarkett Sports is an approved wood flooring supplier.

2.8 Section 10000 - Furnishings and Special Equipment

2.8.1. Newline Products, Inc. is an approved manufacturer of classroom visual display boards, markerboards, tackboard and Lecture Units. 2901 Technology Drive, Suite 135, Plano, Texas 75075, (972) 881-3318 Phone, (972) 881-0985 Fax.

2.9 Section 11500- Sport Equipment

Porter basketball goals #951 and #00870-200 volleyball sleeves are approved equals to the sports equipment specified.

III. CHANGES TO THE DRAWINGS:

3.1 Sheet SP-2

This sheet showing the overall paving plan is being re-issued as a part of this addendum. You may download it via our website.

3.2 Sheet D1.3

Detail "A"- Demolition Plan- The general contractor will be responsible for the removal and disposal of the entire existing vault. USD 259 will not salvage any part of the vault.

- 3.3 Sheet A1.1
3.3.1 The g.w.b. walls at the perimeter of Vestibule E140a shall be type A4.
- 3.3.2 The section indicator at Door 103b is incorrect. The correct reference shall be "A/A4.3". A4.3 will be being issued as part of addendum #3.
- 3.4 Sheet A1.2
Detail "A"- Floor Plan- The detail indicators at the south side of Existing Kitchen E126 are incorrect. The plan indicator that reads "13/A3.7" should read "12/A3.7". The plan indicator that reads "17/A3.7" should read "16/A3.7".
- 3.5 Sheet 2.0
3.5.1 Plan "B"- Roof 4 Detail Plan- The section indicator at the south entry that reads "8/A5.7" shall be corrected to read "B/A5.7" and shall be clarified to be looking east (downsheet).
- 3.5.2 Plan "B"- Roof 4 Detail Plan- The section indicator that reads "B/A5.6" should be corrected to read "A/A5.6".
- 3.6 Sheet 2.1
Detail "A"- Upper Roof Plan- The note on roof 10 re: tearing off the existing roof and insulation and replacing with a new roof shall be deleted. The existing roofing on Roof 10 shall remain. The note re: existing roof louver to remain shall also be deleted.
- 3.7 Sheet S2.2
Detail #8- The parapet cap flashing shall be 24 ga.
- 3.8 Sheet A4.1
Detail "B"- South Elevation – The Dock Level indicator on the far right should read "El. 100'-0" in lieu of "110'-0".
- 3.9 Sheet A5.2
Detail #2 inadvertently omitted the face brick. The gym/fema shelter has face brick on all four elevations.

IV. CHANGES TO THE ELECTRICAL:

- 4.1 Relocate the existing intercom and master clock equipment from the existing admin area to new admin area, per owner's instructions. Extend conductors.
- 4.2 Gym/FEMA room. Delete 2 intercom horns.
- 4.3 Fire Alarm Schedule. See attachments. Interlock gym smoke beam detectors with double interlocked fire sprinkler system.
- 4.4 Node room location to terminate data and phone conductors. Directly across the corridor to the east, of the boiler room and just north of the faculty restrooms. Reference sheet "CODE 2"
- 4.5 Typical Data Rack detail on sheet E1.3. Surge protection strip shown for location reference only. Not required in this project.
- 4.6 Sheet E1.4
"DISTRIBUTION DIAGRAM" - panel XL2 shall be 80A in lieu of 60A as listed.

V. **CHANGES TO THE MECHANICAL:**

5.1 Sheet M-2.1

5.1.1 Delete the Plan Mark AH@ floor grilles shown in the Gym / Fema Room #100. (These floor openings are being covered by the GC.

5.1.2 Mechanical Contractor shall install a 1-1/4" schedule 40 PVC condensate drain on the roof mounted air handling units, RAHU #1 & #2, and extend a minimum of 5 feet from the units connection, so water does not collect at the roof curb. Condensate drain shall be supported off of the roof surface with 4 x 4 treated lumber blocks spaced 24" O.C. Install with deep seal trap at the unit connection.

5.2 Specifications Section 15500

5.2.1. Add the following to Paragraph 12:

A. All Medium Pressure Supply Ductwork between the connection to the existing air handling unit, XAHU #2 and the VAV or FTB terminals, both round and rectangular, shall be insulated with 2" thick, 3/4 lb. density, R-5.0 (installed), Manville AMicrolite@ fiberglass blanket type duct wrap insulation. All ductwrap insulation shall have factory applied Foil-Scrim-Kraft vapor barrier having a "perm" rating of not more than 0.05. The facing shall overlap 2" at all joints and shall be secured with outward clinch staples on 4" centers and sealed vapor tight with aluminum foil tape. Insulation on horizontal sections of ductwork with dimensions greater than 16" shall be secured to the ductwork with stick pins on the bottom and sides located 24" O.C.

5.2.2 Add the following Paragraphs:

A. FIRE DAMPERS:

Low velocity ductwork fire dampers mounted in fire rated floor or wall penetrations shall have 1-1/2 hour "Dynamic" rating conforming to NFPA Bulletin 90A and shall bear the U.L. label and shall be installed in accordance with the SMACNA "Fire Damper and Heat Stop Guide for Air Handling Systems." Fire dampers at register and grille locations and in low velocity ductwork more than 8" high shall be equal to Ruskin DIBD20 style "A". Where the low velocity fire damper height is less than 8" tall, it shall be equal to Ruskin DIBD20 style "B" with 100% free area. Low Velocity fire dampers shall be factory installed in a 12" long 20 ga. galvanized steel sleeve with factory spot welded seams for attachment to the ductwork with "s" slip connectors on all sides. Sleeves shall be secured in the wall with full perimeter 1-1/2", 14 ga. angles, fastened to the sleeve with screws on 12" centers.

B. Provide factory fabricated and insulated access doors in ductwork as required to service the dampers. Access doors shall be a minimum of 12" x 12" except where duct size prevents it in which case they shall be 6" x 12". Access doors installed in high velocity ductwork shall be rated for a minimum of 4" static pressure.

C. FIRE AND SMOKE DAMPERS

Fire and smoke dampers for installation in low velocity ductwork shall be equal to Ruskin FSD-37 motor operated fail closed, opposed blade type with 1-1/2 hour U.L. fire rating, U.L. 555S classified for leakage Class I with a U.L. classified damper operator listed for 350E F operation. Furnish with 16" long, 20 ga. wall mounting sleeve with factory welded seams and motor factory mounted outside the airstream. Motors shall be 115/60/1, shaft mounted 2-position type rated by the manufacturer and U.L. listed for the damper size. Motors shall be rated for a minimum of 350E F operation. Dampers shall

have gasketed blades and shall be caulked into their mounting sleeves. Insulate damper sleeve in the field with ductwrap insulation with vapor barrier same as specified for unlined ductwork. Dampers for ductwork less than 10" high shall be style "B" and round dampers shall be style CR with 100% free area. Fire and smoke dampers shall be factory installed in their sleeves for attachment to the ductwork with "s" slip connectors on all sides. Sleeves shall be secured in the wall per the damper manufacturer's installation instructions.

- D. Smoke detectors to operate the dampers and all required electrical wiring for connection to the fire alarm system are included in the electrical contract.
- E. Provide 12" x 12" insulated factory made access doors in duct work as required to service dampers. Installations where the actuator is installed within a fire rated shaft or within a fire rated assembly making it non-accessible, shall be furnished with an 18" x 18" 1-1/2 hour fire rated access door field installed in the assembly as required to provide damper and actuator access for repair or removal.

END OF ADDENDUM TWO

FIRE ALARM SCHEDULE

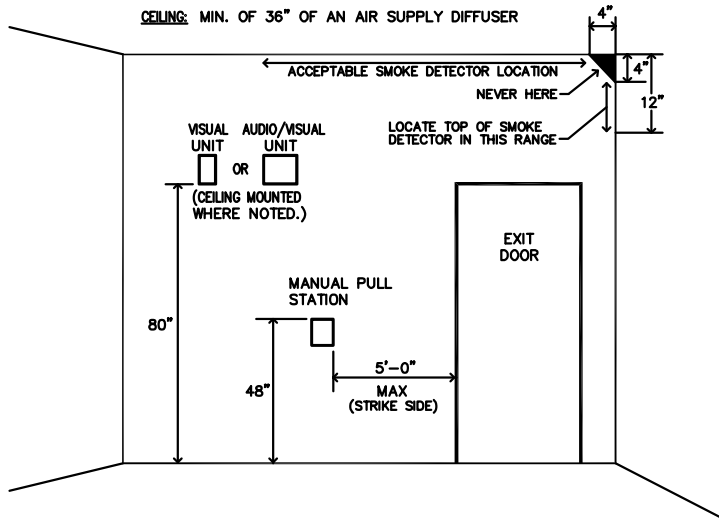
SYMBOL	DESCRIPTION	MOUNTING
☒ WG	FIRE ALARM MANUAL PULL STATION "WG" = WIRE GUARD	4'-0" AFF
CLG ☒ WG	FIRE ALARM UNIT - COMBO AUDIO/VISUAL - WHITE 80" AFF OR 6" BELOW THE CEILING WHICHEVER IS LOWER. 15 cd to 110 cd FIELD ADJUSTABLE STROBE "WG" = WIRE GUARD "CLG" = CEILING MOUNTED	AS PER ADA
CLG ○☒ WG	FIRE ALARM UNIT - STROBE ONLY - WHITE 80" AFF OR 6" BELOW THE CEILING WHICHEVER IS LOWER. 15 cd to 110 cd FIELD ADJUSTABLE STROBE "WG" = WIRE GUARD "CLG" = CEILING MOUNTED	AS PER ADA
WP ☒	FIRE ALARM UNIT - WEATHER PROOF EXTERIOR HORN AND 110 cd STROBE.	WALL
■	FIRE ALARM UNIT - MAGNETIC DOOR HOLDER	
S ELEV	FIRE ALARM CEILING TYPE SMOKE DETECTOR ELEV INDICATES CONNECTION TO ELEVATOR RECALL	
D	FIRE ALARM DUCT TYPE SMOKE DETECTOR AND FAN SHUTDOWN RELAY. PER NFPA-90A & IMC. UNITS OVER 2000 CFM REQUIRE ONE DETECTOR IN RETURN DUCT. UNITS OVER 15000 CFM AND SERVING MORE THAN ONE FLOOR STORY REQUIRE TWO DETECTORS, ONE IN SUPPLY DUCT, ONE IN RETURN DUCT. REFER TO MECHANICAL DOCUMENTS FOR EXACT COUNT.	SUPPLY / RETURN
T	REMOTE FIRE ALARM TEST/ALARM/RESET STATION ONE EACH PER DUCT DETECTOR IN SINGLE GANG BOX FOR UNITS MOUNTED ON THE ROOF, MOUNT THE REMOTE TEST STATION FLUSH ON THE CEILING, DIRECTLY BELOW THE DETECTOR, UNLESS OTHERWISE NOTED.	
T D FSD	FIRE/SMOKE DAMPER. INSTALL AND CONNECT: DUCT DETECTOR, RELAY, REMOTE TEST STATION, FUSTAT, 120V POWER FOR EACH DAMPER. WIRE EACH TO SHUT DOWN THE ASSOCIATED UNIT AND SIGNAL FACP IF APPLICABLE REFER TO THE MECHANICAL DOCUMENTS FOR EXACT PLACEMENT AND COUNT. MOUNT REMOTE TEST STATION FLUSH ON THE CEILING, DIRECTLY BELOW THE DETECTOR.	
R	FIRE ALARM "ROOM" SMOKE DETECTOR. NON-SYSTEM 120V WITH BATTERY, 3 WIRE INTERCONNECTED AND 177cd STROBE.	CEILING
F H R	FIRE ALARM CEILING TYPE HEAT DETECTOR. "R" INDICATES RATE OF RISE "F" INDICATES FIXED TEMP	CEILING
↑ BEAM S	BEAM TYPE SMOKE DETECTOR	WALL

DO NOT PLACE SMOKE DETECTOR IN CORNER

CEILING: NOT LESS THAN 4" FROM WALL

WALL: BETWEEN 4" AND 12" DOWN TO TOP OF DETECTOR

CEILING: MIN. OF 36" OF AN AIR SUPPLY DIFFUSER




FIRE ALARM DEVICE ELEVATIONS

FIRE ALARM NOTES:

STROBES SHALL BE EASILY VISIBLE. CONTRACTOR SHALL ADJUST LOCATIONS TO CLEAR OBSTRUCTIONS SUCH AS BUILDING COLUMNS, DUCTWORK AND FURNITURE.

FIRE ALARM NOTES:

1. THE FIRE ALARM SYSTEM HAS BEEN DESIGNED AND SHALL BE INSTALLED PER NFPA 72 2007 EDITION.
2. THE FIRE ALARM EQUIPMENT SUPPLIER SHALL PROVIDE ALL PROPER DOCUMENTATION FOR WIRING DIAGRAMS AND BATTERY CALCULATIONS AS REQUIRED FOR STATE/CITY REVIEW.
3. MATCH EXISTING SIMPLEX FIRE ALARM EQUIPMENT.
4. ADA VISUAL DEVICES (STROBES) SHALL BE FIELD ADJUSTED TO MEET ADA AND NFPA 72 2007 EDITION REQUIREMENTS FOR THE SIZE AND TYPE OF AREA. VENDOR SHALL INCLUDE STROBE INTENSIVE LEVELS ON THE DOCUMENTS SUBMITTED TO THE STATE AND LOCAL AHJ's. E.C. RESPONSIBLE FOR FIELD ADJUSTING INTENSITY LEVELS.
5. E.C. SHALL PROVIDE AND INSTALL A SMOKE DETECTOR AT EACH FACP, FARA AND EACH NAC EXPANDER PANEL. CONTACT VENDOR FOR NAC COUNT AND LOCATIONS. 
6. E.C. TO PROVIDE AND INSTALL A RED, "LOCK-OFF" TYPE CIRCUIT BREAKERS FOR BRANCH CIRCUITS USED FOR FIRE ALARM EQUIPMENT. BREAKER SHALL BE CLEARLY MARKED INSIDE AND OUTSIDE OF THE PANEL. THIS INCLUDES BUT NOT LIMITED TO: FACP, NAC(S) PANEL, FIRE ALARM RELATED EQUIPMENT, ETC. LABEL FOR PANEL COVER (EXPOSED) SHALL BE RED PHENOLIC WITH WHITE LETTERS.
7. CEILING MOUNTED VISUAL DEVICES (STROBES) MEET AND SATISFY THE INTENT OF APPLICABLE CODES PER ADAAG 2.2 EQUIVALENT FACILITATION.
8. ALL STROBES SHALL BE SYNCHRONIZED.
9. FIRE ALARM SUPPLIER SHALL INCLUDE A MINIMUM OF 30% SPARE CAPACITY FOR EACH INDICATING AND INITIATING CIRCUIT. ALLOW 30% SPARE CAPACITY IN BATTERIES.

FIRE ALARM AND FIRE SPRINKLER SYSTEM INTERFACE

10. E.C. SHALL PROVIDE AND CONNECT NECESSARY FIRE SPRINKLER FLOW AND TAMPER SWITCHES. VERIFY COUNT AND LOCATIONS WITH FIRE SPRINKLER CONTRACTOR. FIRE SPRINKLER CONTRACTOR TO INSTALL ALL SWITCHES/VALVES. FOR REMODELED BUILDINGS WITH EXISTING FLOW/TAMPER SWITCHES, CONNECT TO NEW FACP. SEPARATE ZONE/POINT FOR EACH FLOW AND EACH TAMPER SWITCH. REFER TO THE MECHANICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL WORK BY THE E.C. FOR THE INSTALLATION OF THE SPRINKLER SYSTEM. THE FIRE ALARM VENDOR IS RESPONSIBLE FOR COORDINATING WITH THE SPRINKLER CONTRACTOR, ACCEPTABLE VALVE TYPE FOR PRE-ACTION SPRINKLER SYSTEMS. VALVES AND FIRE ALARM CONTROL PANEL SHALL BE COMPATIBLE.
11. E.C. TO PROVIDE AND INSTALL A WIRE GUARD FOR EACH FIRE ALARM DEVICE LOCATED WITHIN A GYM, MULTIPURPOSE ROOM, OR AS DIRECTED.
12. COILING DOOR HOLD OPEN: HOLDER DEVICE BY DOOR SUPPLIER. E.C. TO PROVIDE AND INSTALL RELAY TO RELEASE DOOR UPON SMOKE AT DETECTOR ONLY. DOOR TO REMAIN HELD OPEN UPON GENERAL ALARM. EXCEPTION: CITY OF WICHITA. COILING DOOR TO CLOSE UPON ANY ALARM.
13. NAC PANELS SHALL BE INSTALLED IN UTILITY SPACES WHENEVER POSSIBLE. IF A NAC PANEL IS REQUIRED TO BE LOCATED IN A FINISHED SPACE, IT SHALL BE FLUSH IN THE WALL, AND CALL CONDUIT SHALL BE CONCEALED. G.C. SHALL FURR WALL IF REQUIRED.
14. ALL FIRE ALARM SYSTEM WIRING SHALL BE ROUTED WITHIN METALLIC CONDUITS. PAINT OUTLET BOXES RED AS DESCRIBED IN THE ELECTRICAL SPECIFICATION. WIREMOLD RACEWAYS SHALL BE USED FOR EXPOSED, SURFACE, INTERIOR, RUNS IN FINISHED AREAS SUCH AS CORRIDORS, OFFICES, CLASSROOMS, ETC. RGS CONDUIT SHALL BE USED FOR SURFACE, EXTERIOR RUNS.
15. E.C. SHALL COORDINATE ANY "DOWN TIME" OF ANY SYSTEM WITH THE OWNER. E.C. SHALL INFORM OWNER, IN WRITING, 5 WORKING DAYS PRIOR TO "SCHEDULED SHUT-DOWNS". LIFE SAFETY SYSTEMS SUCH AS FIRE ALARM AND EMERGENCY LIGHTING MUST REMAIN ACTIVE AT ALL TIMES WHEN THE SPACE IS OCCUPIED.
16. REMODELED AREAS: FIRE ALARM DEVICES ARE SHOWN FOR COUNT AND GENERAL LOCATION ONLY. PLACE FIRE ALARM DEVICES AT PROPER ADA HEIGHTS/LOCATIONS AND PLACE A/V'S SUCH THAT THEY ARE CLEARLY VISIBLE. SITE VERIFY THE EXISTING CONDITIONS, PRIOR TO BID. E.C. MAY NEED TO LOCATE DEVICE(S) TO THE OPPOSITE SIDE OF THE ROOM.
15. PROVIDE AND INSTALL BLANK COVERS OVER REMOVED DEVICES. (FLUSH BOXES) REMOVE UNUSED SURFACE BOXES AND SURFACE RACEWAYS.