

(ITB NO. 5603)
EIGHT (8) CLASSROOM ADDITION TO
INDIAN TRAIL MIDDLE SCHOOL
307 CAR-MOL DRIVE
JOHNSON CITY, TENNESSEE

BEESON, LUSK & STREET, INC., ARCHITECTS
207 EAST MAIN STREET, SUITE 3C
P.O. BOX 1909 ZIP CODE 37605-1909
JOHNSON CITY, TN 37604-5749
PHONE: 423-928-1175 EMAIL: bls@blsarch.com



SEPTEMBER 13, 2012

ADDENDUM NO. 2

1. Refer to Specification Section 08800, Glass and Glazing. Delete Paragraph 2.02, Wire Glass, in its entirety. Paragraph 2.02 should read as follows:

2.02 FIRE RATED GLASS

- A. 3/8" thick, 4 lbs./sq. ft. fire rated 20 minutes to 90 minutes with hose stream, polished finish, clear.

2. Refer to Specification Section 09515, Metal Soffit System, specifically Paragraph 2.01.A. It should read as follows:

2.01 METAL SOFFIT SYSTEM

- A. Type: Aluminum linear metal ceiling system with pre-finished black aluminum lanced, recessed, filler strips, and wall reveal strips. Match existing.

3. Refer to Drawing Sheet S-2, Second Floor Framing Plans Area 'A' and Area 'B'. L-2 Lintel does not require 5 x 3-1/2 angle as called for on lintel schedule.

4. Verification: Refer to Specification Section 04110, Mortar and Grout, Paragraph 2.02, Grout. Grout to be 2500 psi min. strength at 28 days for CMU grout fill.

5. Refer to Drawing SW-2:

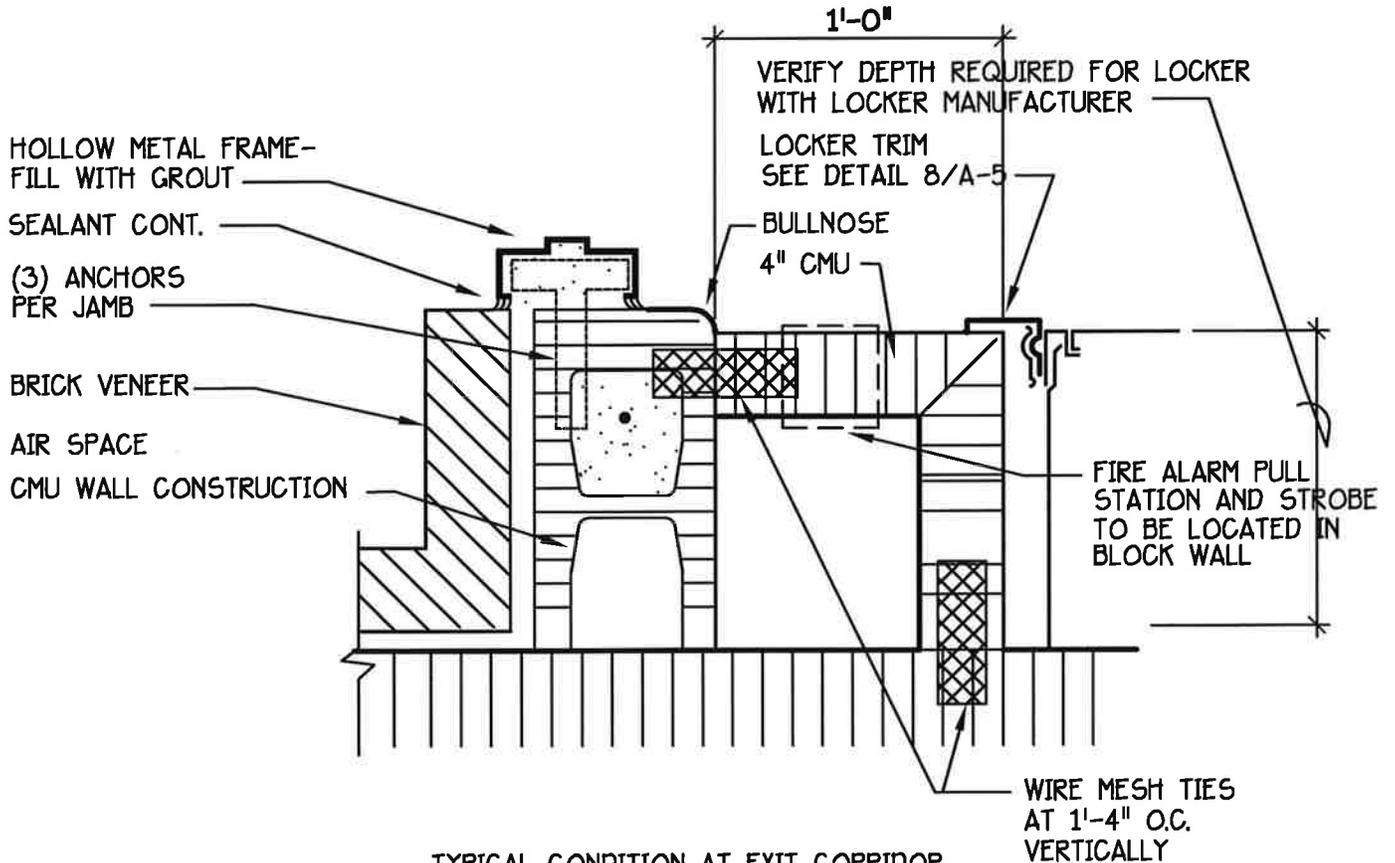
- A. Existing concrete sidewalk extending between Classroom Addition 'A' and 'B' to be Note 13 in lieu of Note 12 shown. Sidewalk may remain if not damaged by construction.
- B. Concrete sidewalks, outside of construction fencing, are to be replaced/installed only if damaged by construction.
- C. Contractor to fence around fire hydrant on south side of construction in lieu of gate shown (Note No. 6). Provide minimum 3'-0" clearance to hydrant.
- D. Contractor to provide Type 'A' standard silt fence along north construction fencing.

6. Refer to Drawing Sheets A-8 and A-9, specifically to Elevation B/A-8 and Elevation B/A-9. Install control joint as shown in Detail 6/A-5 at 2'-8" from exterior building corner. Locate downspout in front of control joint. Total of two (2) locations per elevation.

7. Refer to Drawing Sheet A-8 and A-9, specifically to Elevation Note No. 7. Downspout boot to be 1'-6" long cast iron type DS4 and by McKinney or approved equal. Boot to be painted – verify size to match downspouts.

8. Clarification: Refer to Drawing Sheets A-10 and A-11, Details 1/A-10, 1/A-11, and 2/A-11. Also refer to Specification Section 07200, Building Insulation. Perimeter insulation is to be 1-1/2" thick and extend 2'-0" each way.
9. Clarification: Refer to Drawing Sheets A-10 and A-11, Details 1/A-10 and 2/A-11 and Drawing Sheet S-5. Ceiling joists are to be 600S250-97 4'-0" max spacing. Ceiling joints to be Dietrich, Marinoware, or approved equal as called out per Specification Section 09150, Metal Studs.
10. Refer to Drawing Sheet A-3 and specifically to second floor plan at Classroom Addition 'A'. 'Corridor' of second floor addition to be Room No. A205. Finishes for new corridor to be C1A1.
11. Refer to Specification Section 09900, Painting, Paragraph 3.08, Graphics. No painted graphics are required for this project.
12. Verification: Temporary power and water is covered under Specification Section 00800, Supplementary Conditions, Paragraph 13.9.
13. Verification: Refer to Specification Section 09650, Resilient Tile, Paragraph 3.02, Paragraph D is required for levelness of floor on new concrete slabs.
14. Verification: Plan review, permits, and tap fees are required for the project, to be paid by Contractor.
15. Refer to Drawing Sheets S-5 and S-6:
 - A. In the abbreviations and symbols, omit reference to CJ-1. None required.
 - B. Refer to Detail 2/S-5. This condition is typical where ceiling joists are supported by bottom chord of the truss.
 - C. Refer to Details 1/S-5 and 2/S-5. Attachment can be light gauge bent metal, 12 ga. minimum, using minimum of six (6) TEK 5 screws, #10 minimum size, each side of connection.
16. Refer to Specification Section 03200, Concrete Reinforcement, specifically to reference of ACI 318, Section 7.4. surface conditions of reinforcement. The amount of rust on reinforcement steel shall be evaluated by the Architect, per these standards.
17. See Drawing AD2-1 for jamb detail at exit corridor of Classroom Additions 'A' and 'B', which is attached and a part of this Addendum No. 2.
18. Refer to list of Mechanical Addendum Items, which are attached and a part of this Addendum No. 2.
18. Refer to the following Supplemental 8-1/2 x 11 Electrical Drawings, which are attached and a part of this Addendum No. 2: E-1R1, E-1R2, E-1R3, E-2R1, E-2R2, E-2R3, E-2R4, and E-3R1.
19. Refer to sign-in sheet for Pre-Bid Conference, which is attached and a part of this Addendum No. 2.

END OF ADDENDUM NO. 2



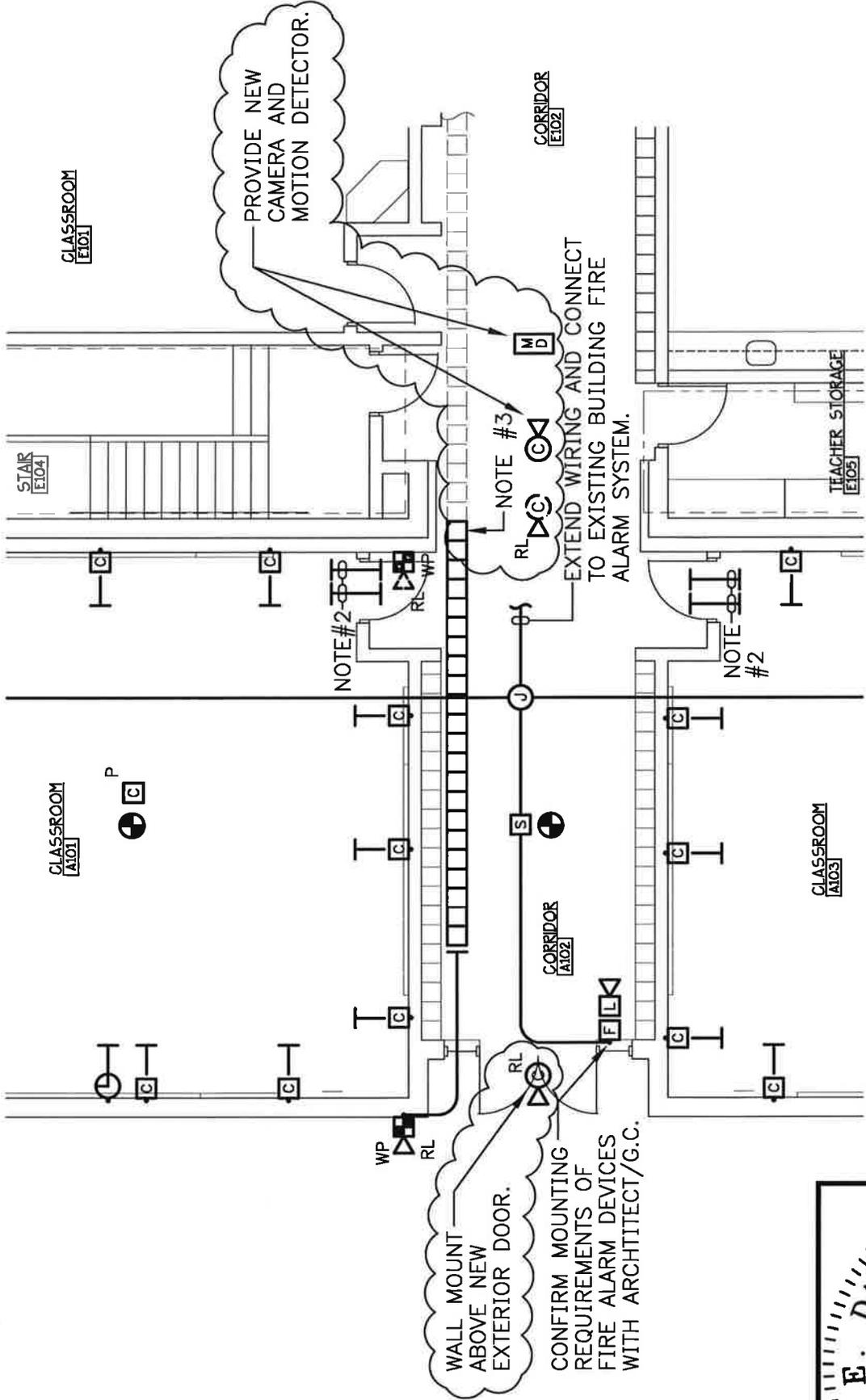
TYPICAL CONDITION AT EXIT CORRIDOR
 FOR PLACEMENT OF FIRE ALARM PULL
 STATION AND STROBE - 1ST FLOOR OF ADDITION 'A' AND 'B'

1
AD2-1 **JAMB DETAIL**
 SCALE: 1 1/2"=1'-0"

1. Refer to specification SECTION 15500
Heating, Ventilating, and Air Conditioning
2.08 LOOP WATER PIPING

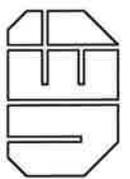
Delete paragraphs "B" and "C" and insert the following 3 paragraphs.

- B. Prior to start-up of the loop water system the **new** piping shall be thoroughly cleaned for several hours using tri-sodium phosphate, or approved commercial detergent using a temporary circulating pump. Install isolation valves and a temporary by-pass and temporary pump or other means approved by the Architect to clean the new piping. The concentration of tri-sodium phosphate used shall be 1/2-lb dry weight per 30 gallon of system water. The tri-sodium phosphate shall be dissolved in warm water then added to the system in liquid form. After circulating for several hours, thoroughly flush the system and clean all strainers. After addition of fresh water, the pH of the circulating water shall be checked. If the pH is greater than 9, the system shall be flushed until the pH is less than 9 but not less than 7. All temporary piping and pumps shall be removed after the piping has been cleaned.
- C. Fill the **entire** heat pump loop water piping system (**new piping and existing piping**) with 15% by weight propylene glycol (approximately 1.6 gallons of propylene glycol per 10 gallons of water). An industrially inhibited glycol equal to GlycoChill P-100 or Dowfrost shall be used. Automotive antifreeze shall **NOT** be used.
- D. Verify that the existing side stream, bag filter installed on the heat pump loop water piping is functioning as per the manufacturer's specifications. Make any and all repairs, cleaning, etc. as required.



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PARTIAL PART A - 1ST AND 2ND FLOORS -
COMMUNICATIONS



Vreeland Engineers Inc.
Knoxville, Tennessee

Scale: 1/8"=1'-0" Drawing No.

Date: 9/13/12

Job No: -

E-1R1



COMMUNICATIONS NOTES:

1. RECESSED OUTLET BOXES ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF AT LEAST 24 INCHES.
2. PROVIDE 2" CONDUIT SLEEVE ABOVE LAY-IN CEILING THROUGH WALL INDICATED FOR COMMUNICATIONS WIRING ACCESS. PROVIDE PLASTIC BUSHING ON EACH END OF CONDUIT SLEEVE.
3. EXTEND NEW CABLE TRAY INTO NEW ADDITION AREA AS SHOWN. DASHED CABLE TRAY REPRESENTS EXISTING CABLE TRAY LOCATION, VERIFY EXACT LOCATION IN FIELD.
4. "AC" BY DEVICE INDICATES DEVICE TO BE MOUNTED ABOVE COUNTER SUCH THAT BOTTOM OF BOX IS 2" ABOVE COUNTER OR COUNTER BACKSPASH, AS APPLICABLE. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR COUNTER DETAILS.
5. OUTLET BOXES IN ROOMS NOTED SHALL HAVE CIRCUITS STUBBED INTO CEILING SPACE OF FLOOR BELOW IN ORDER TO ACCESS FIRST FLOOR CABLE TRAY.
6. "P" BY COMPUTER OUTLET INDICATES OUTLET TO BE INSTALLED IN CEILING, AT EXACT LOCATION AS DIRECTED, FOR FUTURE PROJECTOR.
7. "RL" BY DEVICE INDICATES DEVICE TO BE RELOCATED FROM DASHED LOCATION SHOWN TO NEW SOLID LOCATION IN ORDER TO BE CLEAR OF NEW ADDITION CONSTRUCTION.



PARTIAL PART A - 1ST AND 2ND FLOORS -
COMMUNICATIONS

INDIAN TRAIL MIDDLE SCHOOL
JOHNSON CITY, TENNESSEE



Vreeland Engineers Inc.
Knoxville, Tennessee

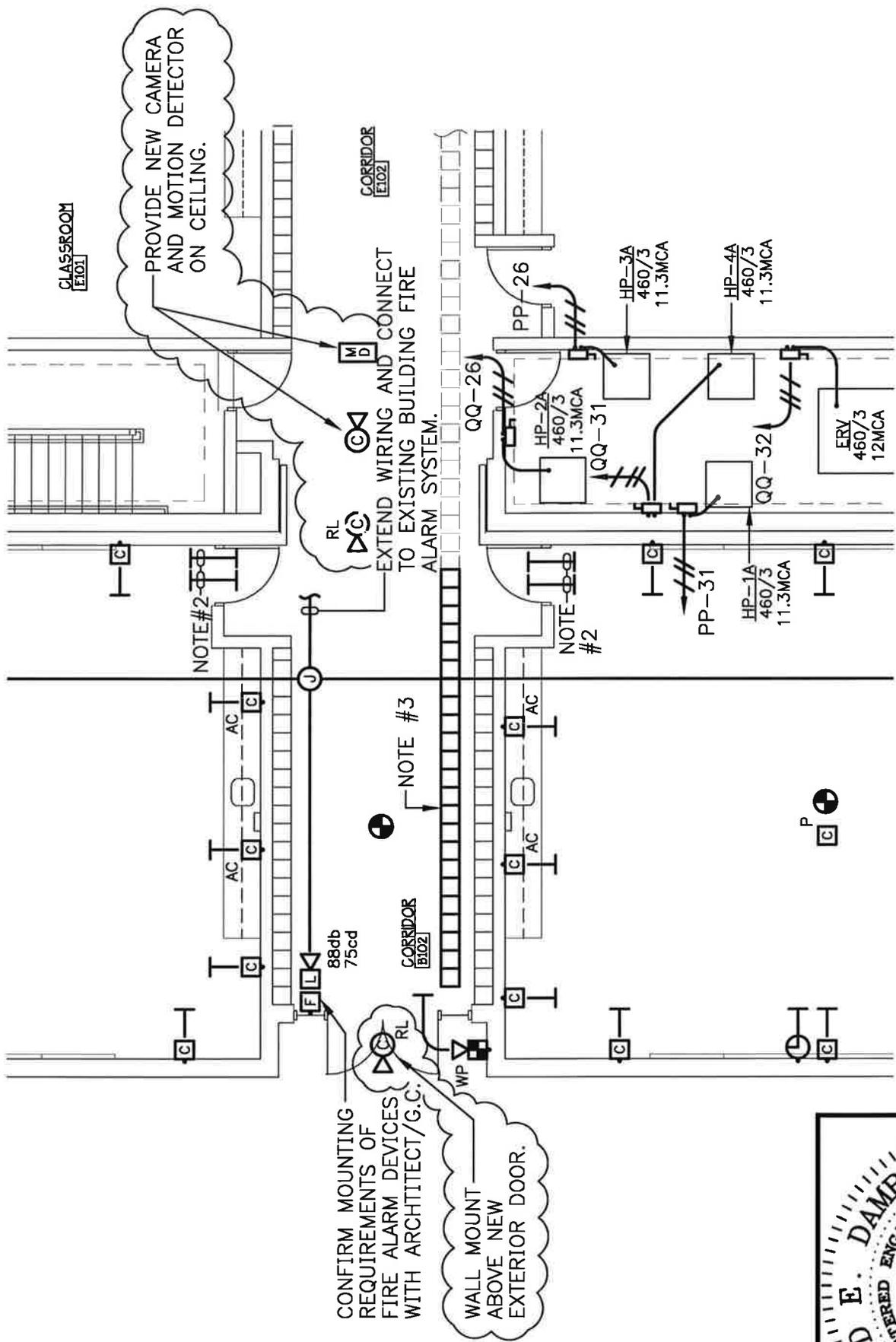
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Date: 00/00/00

Job No: -

Drawing No.

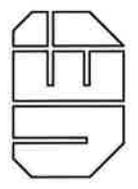
E-1R3



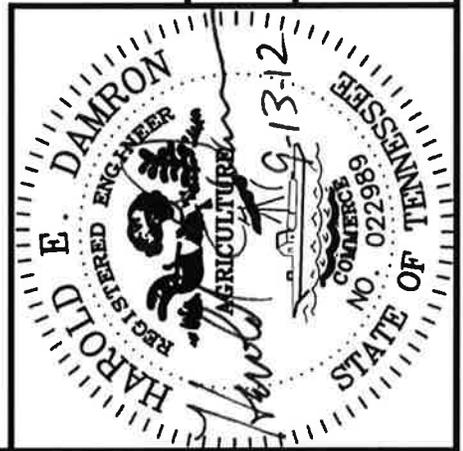
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JOHNSON CITY, TENNESSEE

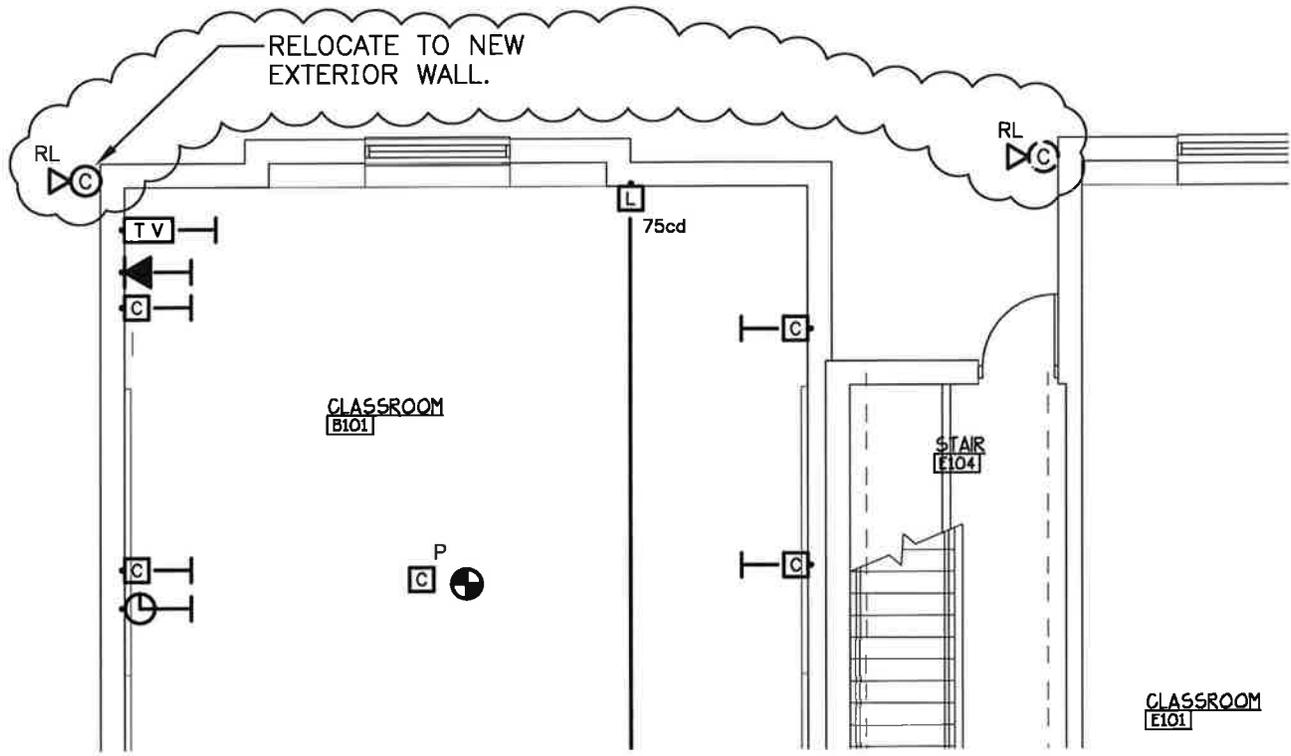
PARTIAL PART B - 1ST AND 2ND FLOORS -
COMMUNICATIONS

Scale:	1/8"=1'-0"	Drawing No.	E-2R1	
Date:	9/13/12	Job No.:		-



Vreeland Engineers Inc.
Knoxville, Tennessee





PARTIAL PART B - 1ST AND 2ND FLOORS - COMMUNICATIONS

INDIAN TRAIL MIDDLE SCHOOL
JOHNSON CITY, TENNESSEE



Vreeland Engineers Inc.
Knoxville, Tennessee

Scale:	1/8"=1'-0"
Date:	9/13/12
Job No:	-
Drawing No.	

E-2R2

COMMUNICATIONS NOTES:

1. RECESSED OUTLET BOXES ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF AT LEAST 24 INCHES.
2. PROVIDE 2" CONDUIT SLEEVE ABOVE LAY-IN CEILING THROUGH WALL INDICATED FOR COMMUNICATIONS WIRING ACCESS. PROVIDE PLASTIC BUSHING ON EACH END OF CONDUIT SLEEVE.
3. EXTEND NEW CABLE TRAY INTO NEW ADDITION AREA AS SHOWN. DASHED CABLE TRAY REPRESENTS EXISTING CABLE TRAY LOCATION, VERIFY EXACT LOCATION IN FIELD.
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5. OUTLET BOXES IN ROOMS NOTED SHALL HAVE CONDUITS STUBBED INTO CEILING SPACE OF FLOOR BELOW IN ORDER TO ACCESS FIRST FLOOR CABLE TRAY.
6. "P" BY COMPUTER OUTLET INDICATES OUTLET TO BE INSTALLED IN CEILING, AT EXACT LOCATION AS DIRECTED, FOR FUTURE PROJECTOR.
7. "RL" BY DEVICE INDICATES DEVICE TO BE RELOCATED FROM DASHED LOCATION SHOWN TO NEW SOLID LOCATION IN ORDER TO BE CLEAR OF NEW ADDITION CONSTRUCTION.



PARTIAL PART B - 1ST AND 2ND FLOORS -
COMMUNICATIONS

INDIAN TRAIL MIDDLE SCHOOL
JOHNSON CITY, TENNESSEE



Vreeland Engineers Inc.
Knoxville, Tennessee

Scale: 1/8"=1'-0"

Date: 9/13/12

Job No: -

Drawing No.

E-2R4

MD

CEILING MOUNTED PASSIVE INFRARED MOTION DETECTOR, CONNECT TO BUILDING SECURITY SYSTEM.

Ⓢ

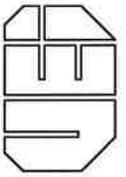
CCTV SURVEILLANCE CAMERA, CEILING OR WALL MOUNTED AS INDICATED ON PLANS, CONNECT TO BUILDING CCTV SYSTEM.

CCTV/SECURITY SYSTEM EXPANSION:

EXPAND EXISTING BUILDING CCTV AND SECURITY SYSTEM INTO NEW ADDITIONS AS INDICATED ON DRAWINGS AND AS CALLED FOR HEREINAFTER. FURNISH AND INSTALL NEW PASSIVE INFRARED MOTION DETECTORS, CCTV CAMERAS, AND ALL RELATED WIRING, EQUIPMENT, PROGRAMMING, ETC. NECESSARY TO INCORPORATE NEW DEVICES SHOWN ON DRAWINGS INTO PRESENT SYSTEM. MODIFY/EXPAND OR REPLACE EXISTING HEADEND CCTV AND SECURITY SYSTEM CENTRAL EQUIPMENT AS NEEDED. IN ORDER TO INSURE COMPATIBILITY WITH EXISTING SYSTEMS, NEW EQUIPMENT SHALL BE OF THE MAKE/MODEL RECOMMENDED FOR USE BY AUTHORIZED REPRESENTATIVE(S) OF EXISTING SYSTEMS. TEST SYSTEM AT CONCLUSION OF JOB TO INSURE PROPER OPERATION. TURN IN TEST REPORTS AS PART OF PROJECT CLOSEOUT DOCUMENTING THAT SYSTEM HAS BEEN TESTED AND IS FULLY FUNCTIONAL.



INDIAN TRAIL MIDDLE SCHOOL
JOHNSON CITY, TENNESSEE



Vreeland Engineers Inc.
Knoxville, Tennessee

LEGEND AND
SCHEDULES

Scale: 1/8"=1'-0"

Date: 9/13/12

Job No: -

Drawing No.

E-3R1

PRE-BID CONFERENCE

(ITB NO. 5603)

EIGHT (8) CLASSROOM ADDITION TO
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JOHNSON CITY, TN 37604-5749
423-928-1175 EMAIL: bis@bisarch.com

Wednesday, September 12, 2012, at 4:00 P.M. at the project site of Indian Trail Middle School, 307 Car-Mol Drive, Johnson City, Tennessee.

SIGN-IN SHEET FOR PRE-BID CONFERENCE

NAME	COMPANY REPRESENTED	TELEPHONE NO. FAX NO.	EMAIL
Dan Jackson	Beeson Lusk & Street	423 928 1175	djackson@bisarch.com
Ben McMurry	Austronon Construction	423.246.6185	ben@austronon-construction.com
Jason Blevins	Allied Piping Co.	423-929-7178	APC37601@AOC.com
Steve Shunk	Dockery Floorcovering	926-6180 FAX 423-926-6134	Steve@dockeryfloorcovering.com
Samuel A. Schellbeck	S.A. Street & Associates	423-323-8017 323-1065	gsae@jgast.net
Jim Melton	Bracken - Travis Chatman	423-323-8947 323-5236	jim@chatmanconstruction.com
Jeremy Lowe	Mountain Empire Piping	423-217-0592 423-217-0652	lowe@mountainempirepiping.com
Don Cox	Gene Cox Mech Cont	926-4086 - 926-2432	OFFICE@COXMECHANICAL.NET
DAVID MCKINNEY	S.B. WHITE CO.	(423) 926-8127 926-8120	dmckinney@sblwhiteco.com
DAWN MELTON	E. LUKE GREENE CO.	423-926-1151 926-5558	dawn@elukegreene.com
Sam Shanks	Nor-Well Co.	PHONE 423-543-4373 / FAX 423-543-7109	Sam@norwell.com

PRE-BID CONFERENCE

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Wednesday, September 12, 2012, at 4:00 P.M. at the project site of Indian Trail Middle School, 307 Car-Mol Drive, Johnson City, Tennessee.

SIGN-IN SHEET FOR PRE-BID CONFERENCE

NAME	COMPANY REPRESENTED	TELEPHONE NO. FAX NO.	EMAIL
SAM HOOPER	COMFORT SYSTEMS	276-669-3138 276-669-8561	shop@je.comfortsystemsusa.com
MIKE RUTHERFORD	Bur Wilc	423-968-4158 423-968-3199	mruggieri@burwil.com
BOB Edmister	GRC	(423) 723-1517 (423) 349-7414	Bob@GREINC.com
Jim Green	J.E. Green Co.	423-926-5161 423-926-3572	jimgreen@jegreenco.com
CHRIS CONSA	ART CONST. CO. INC	923-979-2240 423-579-2247	ccom@artc.c-tcc1.com
Don Adams	Adams - Nelson - GL	423-323-5141 423-323-5142	Don@adamsnelson.com
KENT GOODMAN	FLEENOR SECURITY	282-3755 262-0353	Kent@fleenorsecurity.com
SCOTT RAINERY	RAINEY CONTRACTING	423-302-7278 (P) 816-204-3237 (F)	SCOTT@RAINEYCONTRACTING.COM
Thomas Lease	Full Circle Construction	423-605-6700	FullCircleTV@gmail.com
MIKE HILL	DAVIS BROTHERS ROOFING	423-345-4020 423-345-4080	MHILL@DAVISBROTHERSROOFING.COM