ARCHITECT'S ADDENDUM

ADDENDUM NUMBER: 002

DATE: 11-30-2017
RE: Kane County RTU Replacements Building B

PREPARED BY: Jordan Lutz
Cordogan, Clark & Associates CCA Project No.: 17383

To: Prospective Bidders

Subject: Addendum No. 002 to the Construction Documents for the Kane County RTU Replacements Building B.

This Addendum forms a part of the Construction Documents and modifies the original Construction Documents, dated November 15, 2017. Acknowledge receipt of this Addendum in space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

THE FOLLOWING ITEMS ARE TO BE INCLUDED IN THE PROPOSAL.

Clarifications to the Drawings:

M2.0 – Add the following note: "For double wall duct only, size shown is airway size. (typ.)"

Add sheets S1.1 and S1.2. Refer to attachment.

Responses to Contractor Questions:

Are we re-using duct detectors?

No. Duct detectors will be provided with the new RTUs.

It is stated that we are to seal the exterior to match where current refrigeration piping exits: would there be any interest in sealing the exterior to match where the louvers are currently?

A voluntary alternate to remove the existing louvers and replace with brick may be provided at the contractor's discretion.

The drawings state that we are to remove and replace existing ceilings as need to accommodate new duct work - this is directly above the IT room: are there any provisions for disruptions that this work may cause in this area and will the contractor be responsible for moving equipment that may be in the way of our work?

Kane County will relocate any County equipment in the area of work.

Does Kane County work with a preferred fire alarm contractor for tying in fire alarm wiring to new RTU's (see note on E1.0 regarding separate roof penetration)?

Kane County would prefer to work with ADS.

Who is Kane County's preferred roofing contractor to work with for roof penetrations for both electrical and the RTU curbs?

Kane County's preferred roofing contractors are Malcor Roofing (St. Charles) or Combined Roofing (West Chicago).

END OF ADDENDUM NO. 002

DESIGN CRITERIA

1. BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2012 PER KANE COUNTY
2. LIVE LOADS:

ABOVE CEILING STORAGE	20 PSF
HANDRAILS, GUARDS	200 LBS OR 50 LBS/FT

3. SNOW LOADS

GROUND SNOW LOAD, P	25 PSF
IMPORTANCE FACTOR, ISL	1
EXPOSURE FACTOR, Ce	1
THERMAL FACTOR, Ct	1
FLAT ROOF SNOW LOAD, Pf	20 PSF
SNOW DRIFT	VARIES

4. REFERENCES TO STANDARDS ARE IN ACCORDANCE WITH INFO INDICATED IN SPECIFICATIONS AND APPLICABLE...
5. LIGHTWEIGHT INSULATING FILL SHALL NOT EXCEED THE WEIGHT OF 30 PCF.
6. PRINCIPAL OPENINGS ARE INDICATED ON THE DRAWINGS. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SLEEVES, BLOCKOUTS, CURBS, INSERTS AND ETC.

GENERAL NOTES

1. DRAWINGS ARE NOT TO BE SCALED IN FIELD OR FROM ELECTRONIC FILES. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER DRAWN DIMENSIONS. VERIFY ALL DISCREPANCIES AND CONFLICTING INFORMATION ON DRAWINGS AND/OR SURVEY WITH ARCHITECT
2. STRUCTURAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENT AND SHALL BE USED IN CONJUNCTION WITH THE REMAINING PARTS OF THE DOCUMENT. CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS AND VERIFYING ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND FABRICATION. THE ARCHITECT SHALL BE NOTIFIED FOR ANY DISCREPANCIES
3. DESIGN REQUIREMENTS AS INDICATED ON BOTH THE SPECIFICATION AND DRAWINGS, OR ON EITHER ONE ONLY, SHALL BE FOLLOWED ENTIRELY. WHERE COMPLIANCE WITH TWO OR MORE STANDARDS WITH CONFLICTING REQUIREMENTS IS SPECIFIED, NOTIFY THE ARCHITECT AND ENFORCE THE MOST STRINGENT REQUIREMENT
4. SHOP DRAWINGS PREPARED BY CONTRACTORS, SUPPLIERS AND ETC. SHALL BE PROVIDED TO ARCHITECT AND ENGINEER FOR REVIEW. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT AND ENGINEER
5. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE SIZES, LOCATIONS AND QUANTITIES OF ALL OPENINGS, SLEEVES, CHASES, CONDUITS, FLOOR DEPRESSIONS, CONCRETE PADS, CURBS AND ETC. FROM ALL DISCIPLINES PRIOR TO FABRICATION OF STEEL OR PLACEMENT OF CONCRETE
6. CONTRACTOR IS RESPONSIBLE, UNRELIEVED BY THE REVIEW OF SHOP DRAWINGS OR FIELD OBSERVATIONS BY OTHERS, FOR THE COMPLIANCE OF THE CONTRACT DOCUMENTS, DIMENSIONS BETWEEN INDIVIDUALS OR SETS OF DRAWINGS, JOBSITE SAFETY AND CONSTRUCTION PROCEDURES, MEANS, METHODS, TECHNIQUES AND SEQUENCES
7. STRUCTURAL STABILITY OF THE BUILDING RELIES ON THE FINISHED CONSTRUCTION WITH COMPLETED FRAMING, CONNECTIONS, WALLS AND FLOORS. TEMPORARY BRACING AND SHORING SHALL BE PROVIDED BY THE CONTRACTOR TO ENSURE STABILITY OF THE STRUCTURE DURING CONSTRUCTION
8. TEMPORARY BRACING, SHORING, EARTH RETENTION SYSTEM, UNDERPINNING OR ANY WORK THAT MAY BE REQUIRED TO PROTECT THE EXISTING SURROUNDING PROPERTIES, BUILDINGS, UTILITIES AND ETC. SHALL BE PROVIDED BY THE CONTRACTOR
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EFFECTS ON SURROUNDING EXISTING STRUCTURES FROM VIBRATIONS AND NOISES INDUCED BY THE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL DETERMINE THE NEED TO PROVIDE PRE-CONSTRUCTION SURVEY, PROTECTION AND/OR MONITORING OF VIBRATIONS AND NOISES
10. LOCATION OF ALL CONSTRUCTION AND/OR CONTROL JOINTS TO BE REVIEWED BY THE ARCHITECT
11. DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE APPLIED TO SIMILAR CONDITIONS ELSEWHERE UNLESS NOTED OTHERWISE
12. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE STRUCTURAL FRAMING HAS BEEN ANALYZED TO ACCOMMODATE A UNIFORM DEAD LOAD OF 10 PSF FOR MECHANICAL EQUIPMENT. NOTIFY THE ARCHITECT OR ENGINEER FOR ANY CONCENTRATED OR DISTRIBUTED MECHANICAL LOADS THAT SHALL EXCEED THE CRITERIA
13. CENTERLINES OF COLUMNS AND THEIR FOUNDATIONS SHALL BE ALIGNED WITH THE GRID LINE INTERSECTIONS UNLESS NOTED OTHERWISE
14. STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATORY LOADS. VIBRATORY EQUIPMENT SHALL BE PLACED ON VIBRATION ISOLATORS
15. PENETRATIONS THROUGH STRUCTURAL MEMBERS, IF ANY, SHALL BE PROVIDED PER PLANS AND/OR SCHEDULES ON THE DRAWINGS. NOTIFY ARCHITECT AND ENGINEER FOR DISCREPANCIES
16. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL, CONCRETE, WOOD, MASONRY AND ETC. THAT MAY BE REQUIRED FOR ERECTION PURPOSES. CONTRACTOR SHALL REMOVE ALL THESE MISCELLANEOUS ITEMS AFTER CONSTRUCTION UNLESS APPROVED BY THE OWNER

MASONRY UNITS

1. ALL MASONRY WORK SHALL CONFORM TO THE APPLICABLE EDITION OF ACI 530/ASCE 5/TMS 402 AND ACI 530.1/ASCE 6/TMS 602
2. ALL MASONRY MATERIALS SHALL CONFORM TO THE FOLLOWINGS UNLESS NOTED OTHERWISE:

CLAY UNITS	ASTM C90	(f'mu) 3,350 PSI
CONCRETE UNITS	ASTM C90	(f'mu) 2,800 PSI
TYPE S MORTAR	ASTM C270	(f'm) 2,000 PSI FOR CLAY (f'm) 2,000 PSI FOR CONCRETE
GROUT	ASTM C476	3,000 PSI
AGGREGATE	ASTM C144	
FACE BRICK	ASTM C216	

3. REINFORCING STEEL SHALL BE DEFORMED #3 THROUGH #11 REBAR CONFORMING TO ASTM A615 GR. 60
4. CMU SHALL HAVE 8" NOMINAL THICKNESS WITH (2) CELLS PER 16" LENGTH OF UNIT UNLESS NOTED OTHERWISE.
5. ALL MASONRY WORK PERFORMED DURING HOT OR COLD WEATHER SHALL CONFORM TO ACI 530.1
6. ALL HEAD AND BED JOINTS OF THE MASONRY CONSTRUCTION SHALL BE FULLY MORTARED
7. PROVIDE HORIZONTAL REINFORCEMENT OF MINIMUM (2) 9 GAGE OR 3/16" DIA. WIRES IN A TRUSS OR LADUR TYPE CONFIGURATION IN BED JOINT AT 16" O.C. OMIT HORIZONTAL REINFORCEMENT AT BOND BEAM LOCATIONS
8. UNLESS NOTED OTHERWISE ON PLANS OR SCHEDULES, PROVIDE LINTELS TO "Lx" AND ALL OPENINGS IN MASONRY WALLS (RUNNING BOND ONLY) ACCORDING TO THE FOLLOWINGS. OPENINGS MAY OCCUR UNDER DIFFERENT DISCIPLINES AND NOT SHOWN ON STRUCTURAL DRAWINGS:

OPENING SIZE	LINTEL	END BEARING
5'-0" OR LESS	(1) L4x3 1/2x5/16 LLV PER 4" OF WALL	4"
5'-1" TO 7'-0"	(1) L5x3 1/2x3/8 LLV PER 4" OF WALL	4"
7'-1" TO 8'-0"	(1) L6x3 1/2x3/8 LLV PER 4" OF WALL	8" WITH GROUT**
8'-1" TO 11'-4"	W8x18 WITH 3/8" BOTTOM PLATE, WIDT... LESS THAN WALL THICKNESS	8" WITH PLATE AND GROUT**

**GROUT TWO CORES SOLID FOR TWO COURSES BELOW LINTEL BEARING, SEE TYP. DETAIL
WELD BOTTOM PLATE TO LINTEL WITH 1/4"x4" FILLET WELDS AT 12" O.C. STAGGERED

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL BE NEW AND CONFORM TO THE FOLLOWINGS UNLESS NOTED OTHERWISE:

ROLLED SHAPES	ASTM A992 GR. 50 (50 KSI)
PLATES, ANGLES, CHANNELS	ASTM A36 (36 KSI)
ANCHOR RODS	ASTM F1554 GR. 55 (55 KSI)

2. WELDS SHALL BE E70XX ELECTRODES AND CONFORM TO AWS D1.1 (D1.2 FOR ALUMINUM AND D1.6 FOR STAINLESS STEEL)
3. BOLTS SHALL BE MINIMUM OF 3/4" DIA. AND CONFORM TO ASTM A325 OR A490
4. GALVANIZING SHALL CONFORM TO ASTM A123
5. ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE CURRENTLY APPLICABLE CODES AND AISC STANDARDS
6. ALL STEEL SHALL BE SIZES INDICATED ON THE DRAWINGS. SUBSTITUTIONS, EVEN WITH MEMBERS OF HIGHER CAPACITIES, ARE NOT PERMITTED UNLESS APPROVED BY THE ARCHITECT AND ENGINEER
7. STEEL CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS THAT ENTAIL ERECTION PLANS, MEMBER SIZES AND MARKS, FABRICATION AND ASSEMBLY DETAILS, CONNECTIONS AND ETC. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT AND ENGINEER FOR REVIEW
8. DETAILS SHOWN ON DRAWINGS ARE CONCEPTUAL ONLY. THEY DO NOT INDICATE THE REQUIRED PLATE SIZES, BOLT QUANTITIES, WELD SIZES AND ETC. UNLESS NOTED OTHERWISE
9. UNLESS THE CONNECTION DESIGN IS SPECIFICALLY INDICATED ON THE DRAWINGS, ALL SHEAR AND MOMENT CONNECTIONS SHALL BE DESIGNED BY THE STEEL CONTRACTOR UTILIZING RATIONAL ENGINEERING METHODS IN ACCORDANCE WITH THE LATEST EDITION OF AISC STEEL CONSTRUCTION MANUAL. CALCULATIONS PREPARED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF ILLINOIS SHALL BE SUBMITTED FOR REVIEW
10. ALL MOMENT CONNECTIONS SHALL BE DESIGNED TO DEVELOP THE FULL BENDING CAPACITY OF THE MEMBERS
11. ALL SHEAR CONNECTIONS BETWEEN BEAMS, GIRDERS AND COLUMNS SHALL BE DESIGNED BASED ON THE GREATEST MAGNITUDE OF THE FOLLOWINGS OR AS DEEMED APPLICABLE BY THE DESIGNING PROFESSIONAL UNLESS NOTED OTHERWISE:
    - FORCES INDICATED ON PLAN (SERVICE LOADS)
    - ONE-HALF (50%) OF THE TOTAL UNIFORM LOAD FOR THE MEMBER AS TABULATED IN THE AISC MANUAL (75% FOR COMPOSITE BEAMS)
12. ALL WELDS SHALL BE CONTINUOUS FILLET WELDS OF MINIMUM 1/4" SIZE UNLESS NOTED OTHERWISE
13. STRUCTURAL STEEL NOT RECEIVING FIRE PROOFING OR GALVANIZING SHALL BE PAINTED IN ACCORDANCE WITH SPECIFICATIONS. VERIFY WITH ARCHITECT ON FIRE PROOFING AND PAINT REQUIREMENTS
14. STRUCTURAL STEEL EXPOSED TO ELEMENTS SHALL BE PAINTED OR HOT-DIP GALVANIZED
15. ANY PAINT OR GALVANIZED COATING REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE TOUCHED UP IN FIELD WITH THE SAME TYPE AND COLOR OF COATING. TOUCH-UP GALVANIZED PAINT SHALL CONFORM TO TT-P-641
16. SPLICING OF STEEL MEMBERS ARE NOT PERMITTED UNLESS NOTED OTHERWISE ON DRAWINGS OR APPROVED BY THE ARCHITECT AND ENGINEER
17. CUTTING OR BURNING HOLES IN STEEL MEMBERS IN FIELD IS NOT PERMITTED UNLESS APPROVED BY THE ARCHITECT AND ENGINEER
18. STEEL MEMBERS SHALL BE FABRICATED WITH CAMBER AS INDICATED ON DRAWINGS. ERECT MEMBERS WITH NATURAL CAMBER UP
19. HEADED STUDS OR DEFORMED BARS ON STEEL MEMBERS SHALL BE END WELDED TO THE STEEL MEMBER
20. STEEL FRAMING STRUCTURE IS UNSTABLE UNTIL THE LATERAL LOAD RESISTING COMPONENTS ARE IN PLACE AND CONNECTIONS ARE 100% COMPLETE. CONTRACTOR TO PROVIDE TEMPORARY SUPPORT DURING CONSTRUCTION UNTIL THE FRAMING IS STRUCTURALLY STABLE
21. DO NOT ATTACH EXTERIOR WALL ELEMENTS TO STEEL FRAMING UNLESS ADEQUATE TEMPORARY SUPPORT IS PROVIDED OR UNTIL THE LATERAL LOAD RESISTING COMPONENTS ARE IN PLACE
22. ALL NON-STRUCTURAL WALL ELEMENTS ATTACHED TO THE STEEL FRAMING SHALL PROVIDE CONNECTIONS THAT ALLOW DEFLECTION AND/OR ROTATION OF THE FRAMING MEMBERS
23. STEEL CONTRACTOR SHALL PROVIDE ADJUSTABLE MASONRY TIES, WHERE APPLICABLE, SHOP-WELDED TO THE FACE OF THE STEEL MEMBERS THAT THE MASONRY WALLS ARE ATTACHED TO. THE TIES SHALL BE CAPABLE OF TRANSMITTING HORIZONTAL FORCES PERPENDICULAR TO THE PLANE OF THE WALLS
24. HIGH STRENGTH NON-SHRINK LEVELING GROUT SHALL BE PROVIDED AT ALL STEEL BEARING LOCATIONS ON CONCRETE OR CMU SUCH AS BELOW COLUMN BASE PLATES, BEAM/JOIST BEARING PLATES OR LINTELS TO ENSURE A PROPER UNIFORM BEARING

SAWN LUMBER, WOOD PRODUCTS AND SHEATHING

1. THE GRADES OF LUMBER SHALL BE RATED BY A RULE WRITING AGENCY SUCH AS WESTERN WOOD PRODUCTS ASSOCIATION (WWPA), SOUTHERN PINE INSPECTION BUREAU (SPIB) AND ETC.
2. MOISTURE CONTENT OF ALL LUMBER SHALL NOT EXCEED 19% DURING STORAGE, DELIVERY AND PRIOR TO INSTALLATION
3. ALL LUMBER SHALL BE DOUGLAS FIR-LARCH NO. 2, SOUTHERN PINE NO. 2 OR SPECIES AND GRADES WITH MINIMUM Fb OF 900 PSI UNLESS NOTED OTHERWISE
4. FOR FLOOR SHEATHING, PROVIDE MIN. 19/32" (NOMINAL) THICKNESS, APA SHEATHING OR SINGLE FLOOR EXP 1 GRADE TONGUE-AND-GROOVE, 40/20 SPAN RATING U.N.O.
5. PROVIDE EDGE CLIP AND 1/8" SPACE BETWEEN SHEATHING PANELS TO ACCOMMODATE EXPANSION
6. ALL LUMBER IN DIRECT CONTACT WITH CONCRETE AND MASONRY SHALL BE PRESSURE TREATED OR DECAY RESISTANT
7. ALL BLOCKING, BRIDGING AND/OR CONNECTIONS UTILIZING MECHANICAL FASTENERS (NAILS, SCREWS, BOLTS, PREFABRICATED BRACKETS AND ETC.) SHALL BE PROVIDED BY THE CONTRACTOR AND CONFORM TO THE APPLICABLE LOCAL BUILDING CODE REQUIREMENTS UNLESS NOTED OTHERWISE
8. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS THAT ENTAIL ERECTION PLANS, DESIGN LOADS, TRUSS SIZES, SPAN CONDITION, CONNECTIONS AND ETC. GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT AND ENGINEER FOR REVIEW

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KANE COUNTY
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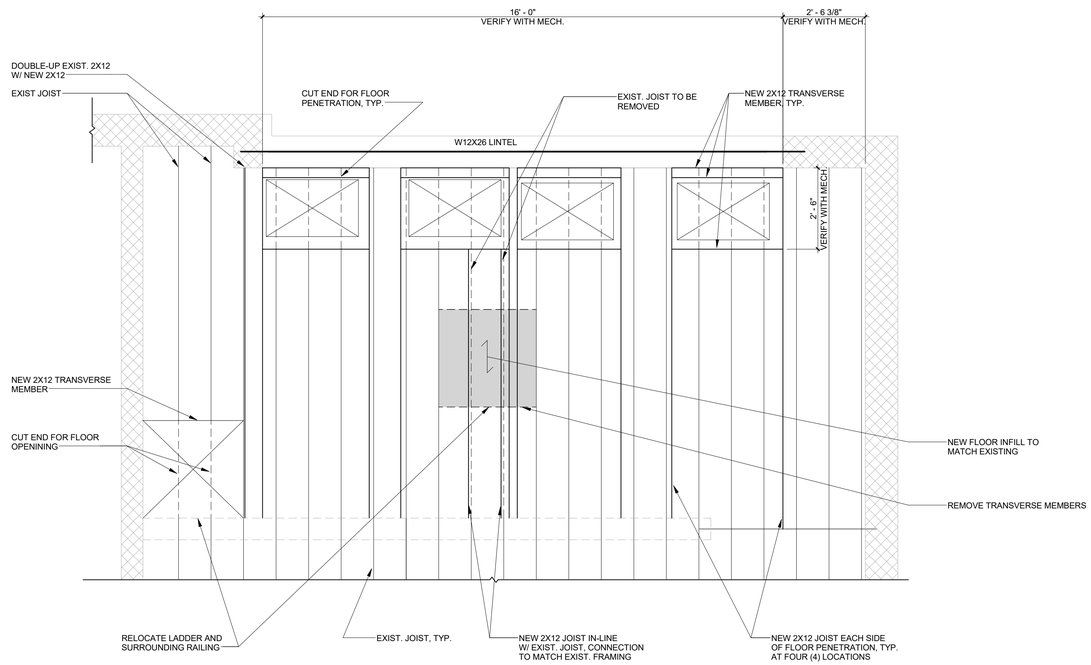
STRUCTURAL GENERAL NOTES

JOB NUMBER 17383
DATE 11.15.2017

REVISIONS:

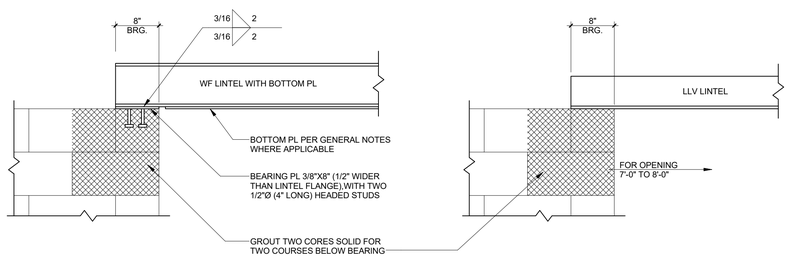
BID SET

S1.1



1 RAISED FLOOR PARTIAL FRAMING
1/2" = 1'-0"

NOTES:
1. ALL EXISTING FRAMING SHOWN TO BE VERIFIED IN FIELD, NOTIFY ENGINEER OF ANY DISCREPENCIES
2. MISC. STEEL, WOOD OR CONCRETE REQUIRED BY OTHER DISCIPLINES MAY NOT BE INDICATED ON STRUCTURAL DRAWINGS
3. LINTEL OPENING SIZE AT 16' - 0" MAX.



2 TYPICAL LINTEL BEARING ON CMU
1" = 1'-0"

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RAISED FLOOR PARTIAL PLANS

JOB NUMBER 17383
DATE 11.15.2017

BID SET
REVISIONS:

S1.2