ADDENDUM NO. 2

TO CONTRACT DOCUMENTS FOR:

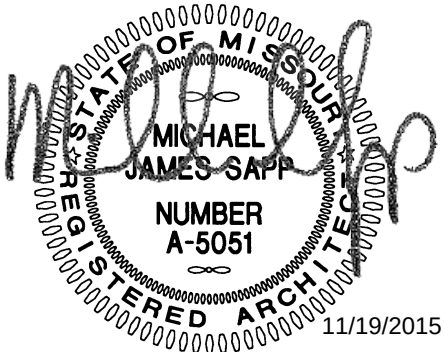
NEW JOPLIN PUBLIC LIBRARY
CITY OF JOPLIN
JOPLIN, MO
EDA PROJECT #15-79-5345

ARCHITECTS:
SAPP DESIGN ASSOCIATES ARCHITECTS, P.C.
3750 S. Fremont
Springfield, MO 65804

November 18, 2015

Bidders are hereby informed that the construction plans and/or specifications are modified as follows:
The following changes, corrections, additions, information and clarification of the Contract Documents are hereby made a part of the Contract Documents. Acknowledgement of receipt of this Addendum is required as part of this Contract.

THIS SEAL IS FOR ARCHITECTURAL DISCIPLINES ONLY



General Question from one of General Contractors:
Please provide a response indicating if the Minority and Women participation percent outlined is for boots on the ground workers or if that percentage is a dollar value based on the total cost of work?
Also, please provide the governing agencies to which M/WBE's can be certified if the requirement is indeed an overall percentage of the cost of work, i.e. MRCC, City of Joplin, etc?
Response from City of Joplin and EDA: Please refer to attached information from Office of Federal Contract Compliance Programs (OFFCP) regarding minority/women business participation (Participation Goals for Minorities and Females). Additionally, refer to Division 0- Bidding & Contract Requirements 000100 -EDA Contracting Provisions No. 17 – Equal Employment Opportunities which further explains steps the general contractor should take to increase participation rates. Additionally, contractor should acknowledge EDA Contracting Provisions - No. 18 Contracting with Small, Minority and Women's Business. These are 2 separate goals. There is no official reporting required by the City of Joplin nor the Economic Development Administration (EDA) as related to either of these participation goals. Any qualification of participation goals by the general contractor would be enforced by the governing agency Department of Labor – Office of Federal Contract Compliance Programs (OFFCP).

PRODUCT SUBSTITUTIONS and ADDITIONAL MANUFACTURERS:

The following list must be referenced to the appropriate Specification Section, and the manufacturer's name added to the acceptable manufacturers in each Section. **(Important Note: naming of a manufacturer does not necessarily certify or warrant that a specific product automatically complies with the contract; the same limitations that applies to the naming of acceptable manufacturers in the specifications. The Contractor must ensure that all products comply with the plans and specification requirements.)**

1. SECTION 042000 UNIT MASONRY
    - Hohman & Bernard, Inc Mortar Trap cavity drainage material
    - Hohman & Bernard, Inc 220 Ladder Mesh joint reinforcement

2. SECTION 071113 BITUMINOUS DAMPPROOFING
    - EPRO Ecodamp

3. SECTION 072100 THERMAL INSULATION
    - Atlas Wall CI Energy Sheild PRO polyiso wall insul

4. SECTION 072726 FLUID APPLIED MEMBRANE AIR BARRIER
    - TK Air Max 2104 Vapor Permeable
    - EPRO EcoFlex-PS
    - Hohman & Bernard, Inc Enviro-Barrier VP

5. SECTION 074113 METAL ROOF PANELS
    - Englert Metal Roof Series 2000
    - MetalMan HT ice and water shield underlayment

6. SECTION 074213/2.1 METAL WALL PANELS
    - ATAS International Rigid-Wall MFR160

7. SECTION 074213/2.3 METAL WALL PANELS
    - Centria Intercept Entyre

8. SECTION 074243 ALUMINUM COMPOSITE PANELS
    - Englert CWP200
    - Alcotex ACM Panel System

- Composite Architectural Design Systems System D-2000

9. SECTION 084113 ALUM FRAMED ENTRANCES, STOREFRONTS AND WINDOWS
    - Tubelite T14000

10. SECTION 084413 GLAZED ALUMINUM CURTAINWALL
    - Tubelite

11. SECTION 084229 AUTOMATIC SLIDING ENTRANCES
    - Record-USA Series 5100

12. SECTION 087100 FINISH HARDWARE
    - Stanley FBB179/191/199/661HDUL - door hinges
    - Trimco - kickplates, push/pull plates, pulls and grips
    - Precision Apex 2000 – exit devices
    - Stanley QDC Closers

13. SECTION 089119 FIXED LOUVERS
    - Kawneer Versoleil Sunshades

SPECIFICATIONS:

1. **SECTION 000005, TABLE OF CONTENTS**
    A. DELETE Sheet A354 from Architectural Drawing Index

2. **SECTION 000007, NOTICE TO BIDDERS**
    A. REVISE first sentence of first paragraph to read as follows: "*Bids will be accepted by the City of Joplin - Department of Planning, Community Development and Neighborhood Services, at 602 S. Main Street, 4th Floor, Joplin, MO 64801 until **4:00 pm**, CST, on November 23, 2015."*
    B. REVISE last sentence of first paragraph to read as follows: "*The bids will be publicly opened and read aloud at 4**:00pm CDST, November 23, 2015**, at the City Hall, 4th floor meeting room"*
    Clarification: Sub-Contractor Listing will be required with Bid submission.

3. **SECTION 000200, INSTRUCTIONS TO BIDDERS**
    A. **SPECIAL INSTRUCTIONS TO BIDDERS**; REVISE Paragraph 10 to read as follows: *BUY AMERICA ACT: Equipment or products must be America made, to maximum extent possible.*
    Clarification: Omitted Public Law reference.

4. **SECTION 000310, FORM OF PROPOSAL**
    A. Further Instructions for SITEWORK CONTINGENCY ALLOWANCE AND UNIT PRICE #2 WORKSHEET (attached to Addendum#1).
    Fill out and attach SITEWORK CONTINGENCY ALLOWANCE AND UNIT PRICE #2 WORKSHEET and submit with Bid Form. Leave Unit Price No. 2 in Bid Form blank.

5. **SECTION 000900, PREVAILING WAGES**
    A. UPDATED Federal Prevailing Wage Rates attached dated 11/13/2015.

6. **SECTION 012100, ALLOWANCES**
    A. REVISE subparagraph 1.6.C to read *"**Quantity** Allowance amounts shall be inclusive of all labor, material and do not include GC overhead and profit and General Conditions which must be included in the Base Bid Amount."*
    B. REVISE subparagraph 1.6.D to read *"At Project closeout, any unused amounts remaining in the allowance shall be credited back to the Owner by Change Order. Unused portion of Allowance will be deducted from balance of Contract including maximum OH &P margin of 10% per City of Joplin General Conditions."*

C. REVISE subparagraph 1.7.D to read *"At Project closeout, any unused amounts remaining in the allowance shall be credited back to the Owner by Change Order. Unused portion of Allowance will be deducted from balance of Contract including maximum OH &P margin of 10% per City of Joplin General Conditions."*

D. ADD sentence to subparagraph 3.3.D *"This Allowance does not include site signage shown in Landscape Drawings."*

E. REVISE subparagraph 3.3.F to read

F. UNSUITABLE SOIL REMOVAL AND STRUCTURAL FILL UNDER BUILDING SLABS (QUANTITY) ALLOWANCES

1: Quantity Allowance: Include 1,000 cu yd of unsatisfactory soil excavation and disposal off-site (Item "A.1.a" in Schedule of Unit Prices)

1. *Coordinate quantity allowance adjustment with unit price requirements of Division 01 Section "Unit Prices".*
2. *All quantities shall be verified and any adjustments (either adds or deducts) are subject to approval by the Architect.*
3. *If actual conditions require less than the allowance listed above of unsatisfactory soil excavation, a change order will be issued to deduct the remaining balance from the Contract. Costs will be based on Unit Prices identified in Section 012200 and submitted on the bid form.*

2. Quantity Allowance: Include 1,300 cu yd of satisfactory soil material from off-site (Item "A.1.f" in Schedule of Unit Prices). Soil shall be Low Volume Change material as outlined in the

1. *Coordinate quantity allowance adjustment with unit price requirements of Division 01 Section "Unit Prices".*

F. ADD subparagraph 3.3.G:

G. BRICK ALLOWANCE: (Contractor is responsible for quantities.)

1. *Unit Cost Allowance for Face Brick: Include $1,200 per 1,000 bricks for material.*

7. **SECTION 033000, CONCRETE**

A. REVISE subparagraphs 1.2.B.1 to read as follows: "*Reference Sheet S0.0 for drainage fill under slabs on grade.*"

8. **SECTION 042000, UNIT MASONRY**

A. DELETE subparagraph 1.2.B.3. CLARIFICATION: No water repellants required.

B. REVISE subparagraph 2.4.C.1 to read: "*Products: See Allowances for Face Brick unit cost allowance."*

C. DELETE subparagraph 2.13.E. CLARIFICATION: No colored aggregate.

9. **SECTION 074113, METAL ROOF PANELS**

A. REVISE subparagraphs 2.5.C.2.b to read as follows: *"Color: As selected by Architect from manufacturers full range."*

10. **SECTION 074213, METAL WALL PANELS**

A. ADD subparagraph 1.6.C: "*Mock-ups: Provide mockup of Metal Wall Panels and Aluminum Metal Plate Wall Panels for final approval of color selections made under sample submittals and for review and approval of jointing, quality, installation, trim and accessories."*

B. REVISE subparagraphs 2.3.C.1.f to read as follows: *"Thickness: 0,060 inch min."*

11. **SECTION 084113, ALUM FRAMED ENTRANCES AND STOREFRONTS**

A. ADD subparagraph 2.4.A.4 *"Glass: Provide 1" insulated glass Type GL-1."*

12. **SECTION 084229, SLIDING AUTOMATIC ENTRANCES**

A. REVISE subparagraph 2.02.A.1 to read *"Configuration: Bi-parting"*

B. DELETE subparagraphs 2.02.A.2.b; 2.02.A.3.a and 2.02.A.3.c.

C. REVISE subparagraph 2.02.A.3.b to read *"Type 110: Biparting O-SX-SX-O, slide swing panels 'SX' shall slide along exterior side"*

D. DELETE subparagraphs 2.02.C.1.b and 2.02.C.2.a.

E. REVISE subparagraph 2.02.F.2 to read *"Glass: Prep for and provide 1" insulated glass Type GL-1"*
F. DELETE subparagraphs 2.02.F.3 in its entirety.
G. REVISE subparagraph 2.02.H.1 to read *"1 ¾" deep by 4" wide for Type 110.*
H. DELETE subparagraphs 2.02.H.1.a thru d in its entirety and 2.02.H.2.
I. REVISE subparagraph 2.02.I to read as follows: *"THRESHOLD: Shall be aluminum ½" tall by 7" wide."*
J. REVISE subparagraph 2.02.J.4 to read as follows: *"Paddlelatch mounted on interior side with electricl strike."*
K. DELETE subparagraph 2.02.J.5 in its entirety

13. **SECTION 099000, EXTERIOR PAINTING**
    A. ADD SECTION 099000 in its entirety.

DRAWINGS:

1. **SHEETS A105:**
    A. ROOF PLAN; CHANGE Keynote in large sloped structure areas to Keynote 3 in lieu of 2.

2. **SHEETS A151:**
    A. ENTRY CLERESTORY PLAN 2/A151 and also reference 5/A305 and 11/A407; ADD note pointing to glass for aluminum storefront lid "*CLEAR MONOLITHIC LAMINATED GLASS; GLAZING TO MEET IBC 2006 REQUIREMENTS (DESIGNED BY SUBCONTRACTOR).*"

3. **SHEETS A300, A310:**
    A. DETAILS 5/A300, 4/A309 and 5/A309: ½" plywood sheathing referenced in these details shall be FIRE RETARDANT TREATED. Clarification: All plywood sheathing for entire building shall be Fire Retardant Treated.
4. **SHEET A310**
    A. DETAIL 5, 6 and 7/A310; Treated dimensional wood blocking noted in these details shall be WOOD PRESERVATIVE TREATED. Clarification: All dimensional wood blocking for entire building shall be Wood Preservative Treated.
    B. DETAIL 7/A310: Change note to read "ACM PANEL OVER FAMAB OVER ¾" FIRE RETARDANT TREATED PLYWOOD OVER 6" METAL STUDS AT 16" O.C." in lieu of ¾" Marine Plywood.
5. **SHEET A311:**
    A. SECTION 3/A311: Omit notes pointing to ladder and replace with "PREFAB ALUM LADDER – SEE SPECS."
6. **SHEET A406:**
    A. DETAILS 17/A406 and 18/A406: CHANGE note to read "8 MTL STUDS @ 12" O.C. (ON RADIAL)" in lieu of 2x8's.
    B. DETAILS 17/A406 and 18/A406: CHANGE thickness dimension of Coated Foam Fabrication to 3" in lieu of 2".
7. **SHEET A408:**
    A. DETAIL 14/A408: OMIT dimension for recessed door track which states "per Mfr". ADD note to read "7" ALUM THRESHOLD – SEE SPEC"

INTERIOR DESIGN ARCHITECT
SEE ATTACHED DOCUMENTS FROM OPN, WHICH IS HEREBY MADE A PART OF THIS ADDENDUM.

STRUCTURAL ENGINEERING
SEE ATTACHED DOCUMENTS FROM TOTH AND ASSOCIATES, WHICH IS HEREBY MADE A PART OF THIS ADDENDUM.

MECHANICAL, ELECTRICAL & PLUMBING

SEE ATTACHED DOCUMENTS FROM COLVIN JONES DAVIS, WHICH IS HEREBY MADE A PART OF THIS ADDENDUM.

SITE CIVIL ENGINEERING AND LANDSCAPE ARCHITECTURE

SEE ATTACHED DOCUMENTS FROM TRISTATE ENGINEERING AND DESIGN WORKSHOP, WHICH IS HEREBY MADE A PART OF THIS ADDENDUM.

Participation Goals
for Minorities and Females

For federal and federally assisted construction contractors, goals for minorities and females are established as a percentage participation rate. The percentage goal established for minority participation must be at least equal to the percentage established for that "economic area" as outlined in the list below.[6]

Contractors may establish higher goals if they desire. Although a contractor is required to make good faith efforts to meet their goals, the goals are not quotas and no sanctions are imposed solely for failure to meet them. The following factors explain the difference between permissible goals, on the one hand, and unlawful preferences, on the other:

- Participation rate goals are not designed to be, nor may they properly or lawfully be interpreted as, permitting unlawful preferential treatment and quotas with respect to persons of any race, color, religion, sex, sexual orientation, gender identity or national origin.
- Goals are neither quotas, set-asides, nor a device to achieve proportional representation or equal results. Rather, the goal-setting process is used to target and measure the effectiveness of affirmative action efforts to eradicate and prevent barriers to equal employment opportunity.
- Goals under Executive Order 11246, as amended, do not require that any specific position be filled by a person of a particular gender, race, or ethnicity. Instead, the requirement is that contractors engage in outreach and other efforts to broaden the pool of qualified candidates to include minorities and women.
- The use of goals is consistent with principles of merit, because goals do not require an employer to hire a person who does not have the qualifications needed to perform the job successfully, hire an unqualified person in preference to another applicant who is qualified, or hire a less qualified person in preference to a more qualified person.
- Goals may not be treated as a ceiling or a floor for the employment of members of particular groups.
- A contractor's compliance is measured by whether it has made good faith efforts to meet its goals, and failure to meet goals, by itself, is not a violation of the Executive Order.

These goals are applicable to all of a contractor's construction work sites (whether or not these sites are also the result of a federal contract or are federally assisted). The goals are applicable to

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[6] For more information about the development of the goals, see Federal Register, Vol. 45, No. 194, at 65976-65991 (October 3, 1980) (minorities) and Federal Register, Vol. 45, No. 251 at 85750-85751 (December 30, 1980) (females). The text of these Federal Register notices can be found:

- Federal Register Notice : Vol. 45, No. 194, at 65976-65991 (October 3, 1980) [HTML] | [PDF]
- Federal Register Notice : Vol. 45, No. 251, at 85750-85751 (December 30, 1980) [HTML] | [PDF]

each nonexempt contractor's total onsite construction workforce, regardless of whether or not part of that workforce is performing work on a federal, federally assisted or non-federally related project contract or subcontract.
Contractors should apply to each work site the goal for the geographical area that each particular work site is located in.

The contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 will be assessed based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor must make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals is a violation of the contract, the Executive Order, and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

Until further notice, the following goals for female and minority utilization in each construction craft and trade must be included in all Federal or federally assisted construction contracts and subcontracts in excess of $10,000 .

Construction contractors that are participating in an approved Hometown Plan (see 41 CFR 60-4.5) are required to comply with the goals of the Hometown Plan with regard to construction work they perform in the area covered by the Hometown Plan. With regard to all their other covered construction work, such contractors are required to comply with the applicable SMSA or EA goal contained in the list below.

GOALS FOR FEMALES[7]

Nationwide Goal **6.9%**

[7] The percentage goal established for female participation is **6.9%** nationwide.

GOALS FOR MINORITIES

ECONOMIC AREAS

STATE	GOAL (percent)

Maine:

001 Bangor, ME:
Non-SMSA Counties — 0.8
ME Aroostook; ME Hancock; ME Penobscot; ME Piscataquis; ME Waldo; ME Washington.
002 Portland-Lewiston, ME:
SMSA Counties:
4243 Lewiston-Auburn, ME — 0.5
ME Androscoggin.
6403 Portland, ME — 0.6
ME Cumberland; ME Sagadahoc.
Non-SMSA Counties — 0.5
ME Franklin; ME. Kennebec; ME Knox. ME; Lincoln; ME Oxford; ME Somerset; ME York.

Vermont:

003 Burlington, VT:
Non-SMSA Counties — 0.8
NH Coos; NH Grafton; NH Sullivan; VT Addison; VT Caledonia; VT Chittenden; VT Essex; VT Franklin; VT Grand Isle; VT Lamoille; VT Orange; VT Orleans; VT Ruthland; VT Washington; VT Windsor.

Massachusetts:

004 Boston, MA:
SMSA Counties:
1123 Boston - Lowell - Brockton - Lawrence - Haverhill. MA-NH — 4.0
MA Essex; MA Middlesex; MA Norfolk; MA Plymouth; MA Suffolk; NH Rockingham.
4763 Manchester-Nashua, NH — 0.7
NH Hillsborough.
5403 Fail River-New Bedford, MA — 1.6
MA Bristol
9243 Worcester - Fitchburg – Leominster, MA — 1.6
MA Worcester.
Non-SMSA Counties — 3.6
MA Barnstable; MA Dukes-, MA Nantucket, NH Belknap; NH Carroll; NH Merrimack; NH Strafford.

Rhode Island:

005 Providence - Warwick - Pawtucket, RI:
SMSA Counties:
6483 Providence - Warwick - Pawtucket RI — 3.0
RI Bristol; RI Kent; RI Providence; RI Washington
Non-SMSA Counties — 3.1
RI Newport.

IA Benton; IA Cedar; IA Iowa; IA Johnson; IA Jones; IA Washington.

101 Waterloo, IA:
SMSA Counties:
8920 Waterloo-Cedar Falls, IA 4.7
IA Black Hawk.
Non-SMSA Counties 2.0
IA Bremer; IA Buchanan; IA Butler; IA Cerro Gordo; IA Chickasaw; IA Fayette; IA Floyd; IA Franklin; IA Grundv; IA Hancock; IA Hardin; IA Howard; IA Mitchell; IA Winnegago; IA Worth.

102 Fort Dodge, IA:
Non-SMSA Counties 0.4
IA Bueno Vista; IA Calhoun; IA Carroll; IA Clay; IA Dickinson; IA Emmet; IA Greene; IA Hamilton; IA Humboldt; IA Kossuth; IA Palo Alto; IA Pocahontas; IA Sac; IA Webster; IA Wright.

103 Sioux City, IA:
SMSA Counties:
7720 Sioux City, IA-NE 1.9
IA Woodbury; NE Dakota.
Non-SMSA Counties 1.2
IA Cherokee, IA Crawford; IA Ida; IA Monona; IA O'Brien; IA Plymouth; IA. Sioux; NE Antelope; NE Cedar; NE Cuminq; NE Dixon; NE Knox; NE Madison; NE Pierce; NE Stanton; NE Thurston; NE Wayne; SD Bon Homme; SD Clay; SD Union; SD Yankton.

104 Des Moines, IA:
SMSA Counties:
2120 Des Moines, IA 4.5
IA Polk; IA Warren.
Non-SMSA Counties 2.4
IA Adair; IA Appanoose; IA Boone; IA Clarke; IA Dallas; IA Davis; IA Decatur; IA Guthrie; IA Jasper; IA Jefferson; IA Keokuk; IA Lucas; IA Madison; IA Mahaska; IA Marion; IA Marshall; IA Monroe; IA Poweshiek; IA Ringgold; IA Story; IA Tama; IA Union; IA Van Buren; IA Wapello; IA Wayne.

Missouri:

105 Kansas City, MO:
SMSA Counties:
3760 Kansas City, MO-KS 12.7
KS Johnson; KS Wayandotte; MO Cass; MO Clay; MO Jackson; MO Platte; MO Ray.
4150 Lawrence, KS 7.2
7000 St Joseph. MO 3.2
MO Andrew; MO Buchanan.
Non-SMSA Counties 10.0
KS Anderson; KS Atchison; KS Brown; KS Doniphan; KS Franklin; KS Leavenworth; KS Linn; KS Miami; MO Atchison; MO Bates; MO Benton; MO Caldwell; MO Caroll; MO Clinton; MO Daviess; MO Dekalb; MO Gentry; MO Grundy; MO Harrison; MO Henry; MO Holt; MO Johnson; MO Lafayette; MO Livingston; MO Mercer; MO Nodaway; MO Pettis; MO Saline; MO Worth.

106 Columbia, MO:
SMSA Counties:
1740 Columbia, MO; MO Boone 6.3
Non-SMSA Counties 4.0
MO Adair; MO Audrain; MO Callaway; MO Camden; MO Chariton; MO Cole; MO Cooper; MO Howard; MO Knox; MO Linn;. MO Macon; MO Miller; MO Moniteau; MO Monroe; MO Morgan; MO Osage; MO Putnam; MO Randolph; MO Schuyler; MO Scotland; MO Shelby; MO Sullivan.

107 St. Louis, MO:
SMSA Counties:
7040 St. Louis, MO-IL 14.7
IL Clinton; IL Madison; IL Monroe; IL St. Clair; MO Franklin; MO Jefferson; MO St. Charles; MO St. Louis; MO St. Louis City.
Non-SMSA Counties 11.4
IL Alexander IL Bond; IL Calhoun; IL Clay; IL Effingharn; IL Fayette; IL Franklin; IL Greene; IL Jackson; IL Jasper; IL Jefferson; IL Jersey; IL Johnson; IL Macoupin; IL Marion; IL Montgomery; IL Perry; IL Pulaski; IL Randolph; IL Richland; IL Union; IL Washington; IL Wayne; IL Williamson; MO Bollinger; MO Butler; MO Cape Girardeau; MO Carter; MO Crawford; MO Dent; MO Gasconade; MO Iron; MO Lincoln; MO Madison; MO Maries; Mississippi; MO Montgomery; MO Perry; MO Phelps; MO Reynolds; MO Ripley; MO St. Francis; MO Ste. Genevieve; MO Scott; MO Stoddard; MO Warren; MO Washington; MO Wayne.

108 Springfield, MO:
SMSA Counties:
7920 Springfield, MO 2.0
MO Christian; MO Greene.
Non-SMSA Counties 2.3
KS Allen; KS Bourbon; KS Cherokee; KS Crawford; KS Labette; KS Montgomery; KS Neosho; KS Wilson; KS Woodson; MO Barry; MO Barton; MO Cedar; MO Dade; MO Dallas;.MO Douglas; MO Hickory; MO Howell; MO Jasper; MO Laclede; MO Lawrence; MO McDonald; MO Newton; MO Oregon; MO Ozark; MO Polk; MO Pulaski; MO St. Clair; MO Shannon; MO Stone; MO Taney; MO Texas; MO Vernon; MO Webster; MO Wright; OK Craig; OK Ottawa.

Arkansas:

109 Fayetteville, AR:
Non-SMSA Counties 3.3
AR Baxter; AR Benton; AR Boone; AR Carroll; AR Madison; AR Marion; AR Newton; AR Searcy; AR Washington; OK Adair; OK Delaware.

110 Fort Smith, AR:
SMSA Counties:
2720 Fort Smith, AR-OK 5.6
AR Crawford; AR Sebastian; OK Le Flore; OK Sequoyah.
Non-SMSA Counties 6.6
AR Franklin; AR Logan; AR Polk; AR Scott; OK Choctaw; OK Haskell; OK Latimer; OK McCurtain; OK Pittsburg; OK Pushmataha.

111 Little Rock-North Little Rock, AR:
SMSA Counties:
4400 Little Rock-North Little Rock, AR 15.7
AR Pulaski; AR Saline.
6240 Pine Bluff, AR 31.2
AR Jefferson
Non-SMSA Counties 16.4
AR Arkansas; AR Ashley; AR Bradley; AR Calhoun; AR Chicott; AR Clark; AR Calhoun; AR Cleveland; AR Conway; AR Dallas; AR Desha; AR Drew; AR Faulkner; AR Fulton: AR Garland; AR Grant; AR Hot Springs; AR Independence; AR Izard; AR Jackson; AR Johnson; AR Lincoln; AR Lonoke; AR Monroe; AR Montgomery; AR Ouachita; AR Perry, AR Pope; AR Prairie; AR Sharp; AR Stone; AR Union; AR Van Buren; AR While; AR Woodruft; AR Yell.

General Decision Number: MO150046 11/13/2015 MO46

Superseded General Decision Number: MO20140046

State: Missouri

Construction Type: Building

County: Jasper County in Missouri.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of $10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	02/20/2015
2	04/17/2015
3	05/08/2015
4	06/26/2015
5	07/17/2015
6	08/28/2015
7	11/13/2015

ASBE0063-002 11/01/2014

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR	$ 24.97	11.00

BOIL0083-005 01/01/2015

	Rates	Fringes
BOILERMAKER	$ 34.76	27.06

BRMO0015-014 04/01/2014

	Rates	Fringes
BRICKLAYER	$ 27.60	15.22

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* BRMO0015-017 06/01/2015

	Rates	Fringes
TILE SETTER	$ 21.66	12.04

CARP0311-006 05/01/2015

	Rates	Fringes
CARPENTER (Including Acoustical Ceiling Installation, Drywall Hanging & Metal Stud Installation)	$ 22.95	15.10

ELEC0095-004 06/01/2015

	Rates	Fringes
ELECTRICIAN (Including Low Voltage Wiring for Alarms & Phones)	$ 26.46	14.12

ENGI0101-024 04/01/2015

	Rates	Fringes
POWER EQUIPMENT OPERATOR:		
Bobcat/Skid Loader	$ 23.60	12.18
Crane	$ 26.00	12.18
Forklift	$ 24.31	12.18
Grader/Blade	$ 26.00	12.18
Loader	$ 24.31	12.18
Paver	$ 26.00	12.18
Roller	$ 23.60	12.18

IRON0584-001 06/01/2015

BARRY COUNTY

	Rates	Fringes
IRONWORKER (REINFORCING AND STRUCTURAL)	$ 24.00	13.53

LABO0319-001 05/01/2015

	Rates	Fringes
LABORER		
Brick & Cement/Concrete Mason Tender	$ 20.35	11.42
Common or General; Asphalt Shoveler; Pipelayer	$ 20.35	11.42

PLAS0518-022 03/03/2015

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 22.96	10.05

PLUM0178-001 11/01/2013

	Rates	Fringes
PIPEFITTER, Includes HVAC		

Pipe Installation
Projects $750,000 & under...$ 25.03 14.45
Projects over $750,000.....$ 28.00 14.45
PLUMBER, Excludes HVAC Pipe
Installation
Projects $750,000 & under...$ 25.03 14.45
Projects over $750,000.....$ 28.00 14.45

ROOF0020-003 04/01/2015

	Rates	Fringes
ROOFER	$ 22.50	10.38

SHEE0036-003 07/01/2011

	Rates	Fringes
SHEET METAL WORKER, Includes HVAC Duct and Unit Installation	$ 25.91	12.73

SUMO2010-045 06/14/2010

	Rates	Fringes
GLAZIER	$ 20.23	0.42
INSTALLER - OVERHEAD DOOR	$ 26.07	4.62
OPERATOR: Backhoe/Excavator	$ 20.16	11.36
OPERATOR: Hoist	$ 26.02	13.01
PAINTER: Brush and Roller	$ 15.34	0.00
PAINTER: Spray	$ 17.78	0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate

(weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

SECTION 099000 – EXTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including 1) **EDA Contracting Provisions for Construction Projects**, 2) **Standard General Instructions to Bidders - City of Joplin,** 3) **Special Instructions to Bidders - City of Joplin,** 4) **General Conditions for Building Projects – City of Joplin** and 5) **Special Provisions - City of Joplin** and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes surface preparation, painting, and finishing of exposed exterior items and surfaces.
   1. Surface preparation, priming, and finish coats specified in this section are in addition to shop priming and surface treatment specified under other sections.

B. Paint **all exposed** surfaces whether or not colors are designated in "schedules," except where a surface or material is specifically indicated not to be painted or is to remain natural. Where an item or surface is not specifically mentioned, paint the same as similar adjacent materials or surfaces. If color or finish is not designated, the Architect will select from standard colors or finishes available.

C. Work included in this section to be painted:
   1. Painting exposed surfaces as indicated.

D. Related Sections: The following sections contain requirements that relate to this section:
   1. Division 5 Section "Structural Steel" for shop priming structural steel.
   2. Division 5 Section "Metal Fabrications" for shop priming ferrous metal.
   2. Division 8 Section "Steel Doors and Frames" for shop priming steel doors and frames.

G. Shelf Stock: Provide at least one gallon of each color and type of paint, stain, sealer, and coating; labeled as to color and location. Do not use shelf stock for punch list work.

1.3 SUBMITTALS

A. Product Data: Manufacturer's technical information, label analysis, and application instructions for each material proposed for use.
   1. List each material and cross-reference the specific coating and finish system and application. Identify each material by the manufacturer's catalog number and general classification.

B. Samples for initial color selection in the form of manufacturer's color charts.
   1. After color selection, the Architect will furnish color chips for surfaces to be coated, then provide the following for final approval.
      a. Ferrous Metal: Provide two 4-inch-square samples of flat metal and two 8-inch-long samples of solid metal for each color and finish.

C. Coordination of Work: Review other sections in which primers are provided to ensure compatibility of the total systems for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
   1. Notify the Architect of problems anticipated using the materials specified.

1.4 QUALITY ASSURANCE

A. Single-Source Responsibility: Provide primers and undercoat paint produced by the same manufacturer as the finish coats.

B. Coordination of Work: Review other sections in which primers are provided to ensure compatibility of the total

systems for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
1. Notify the Architect of problems anticipated using the materials specified.

C. Material Quality: Provide the manufacturer's best quality trade sale paint material of the various coating types specified. Paint material containers not displaying manufacturer's product identification will not be acceptable.
1. Proprietary names used to designate colors or materials are not intended to imply that products named are required or to exclude equal products of other manufacturers.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to the job site in the manufacturer's original, unopened packages and containers bearing manufacturer's name and label and the following information:
1. Product name or title of material.
2. Product description (generic classification or binder type).
3. Federal Specification number, if applicable.
4. Manufacturer's stock number and date of manufacture.
5. Contents by volume, for pigment and vehicle constituents.
6. Thinning instructions.
7. Application instructions.
8. Color name and number.

B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F (7 deg C). Maintain containers used in storage in a clean condition, free of foreign materials and residue.
1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

1.6 JOB CONDITIONS

A. Apply water-based paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 50 deg F (10 deg C) and 90 deg F (32 deg C).

B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45 deg F (7 deg C) and 95 deg F (35 deg C).

C. Do not apply paint in snow, rain, fog, or mist, when the relative humidity exceeds 85 percent, at temperatures less than 5 deg F (3 deg C) above the dew point, or to damp or wet surfaces.
1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by the manufacturer during application and drying periods.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Where specific products are listed, other products may be acceptable, subject to compliance with requirements (refer to EDA Contracting Provisions for Construction Projects Article 10), per Prebid substitution request per Section 012500 Substitutions:
1. Sherwin Williams.
2. The Glidden Company (Glidden) (now I.C.U. Dulux).
3. Benjamin Moore and Co. (Moore).
4. PPG Industries, Pittsburgh Paints (PPG).
5. Pratt and Lambert (P & L).
6. Diamond Vogel

2.2 PAINT MATERIALS, GENERAL

A. See paint schedule at the end of this section.

B. Material Compatibility: Provide primers, finish coat materials, and related materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by the manufacturer based on testing and field experience.

C. Material Quality: Provide the manufacturer's best-quality trade sale paint material of the various coating types specified. Paint material containers not displaying manufacturer's product identification will not be acceptable.

D. Colors: Colors to be selected by Architect from paint manufacturer's full range of standard colors. Colors may be by different paint manufacturers than specified or selected and will require color match.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions under which painting will be performed for compliance with requirements for application of paint. Do not begin paint application until unsatisfactory conditions have been corrected.
   1. Start of painting will be construed as the Applicator's acceptance of surfaces and conditions within a particular area.

3.2 PREPARATION

A. General Procedures: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items in place that are not to be painted, or provide surface-applied protection prior to surface preparation and painting. Remove these items if necessary for complete painting of the items and adjacent surfaces. Following completion of painting operations in each space or area, have items reinstalled by workers skilled in the trades involved.
   1. Clean surfaces before applying paint or surface treatments. Remove oil and grease prior to cleaning. Schedule cleaning and painting so that dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

B. Surface Preparation: Clean and prepare surfaces to be painted in accordance with the manufacturer's instructions for each particular substrate condition and as specified.
   1. Provide barrier coats over incompatible primers or remove and reprime. Notify Architect in writing of problems anticipated with using the specified finish-coat material with substrates primed by others.
   2. Ferrous Metals: Clean nongalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with recommendations of the Steel Structures Painting Council.
      a. Touch up bare areas and shop-applied prime coats that have been damaged. Wire-brush, clean with solvents recommended by the paint manufacturer, and touch up with the same primer as the shop coat.
   3. Galvanized Surfaces: Clean galvanized surfaces with non- petroleum-based solvents so that the surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.

C. Materials Preparation: Carefully mix and prepare paint materials in accordance with manufacturer's directions.
   1. Maintain containers used in mixing and application of paint in a clean condition, free of foreign materials and residue.
   2. Stir material before application to produce a mixture of uniform density; stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.
   3. Use only thinners approved by the paint manufacturer, and only within recommended limits.

D. Tinting: Tint each undercoat a lighter shade to facilitate identification of each coat where multiple coats of the same material are applied. Tint undercoats to match the color of the finish coat, but provide sufficient differences in shade of undercoats to distinguish each separate coat.

3.3 APPLICATION

A. Apply paint in accordance with manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.

B. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
   1. Paint colors, surface treatments, and finishes are indicated in "schedules."
   2. Provide finish coats that are compatible with primers used.
   3. The number of coats and film thickness required is the same regardless of the application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. Sand between applications where sanding is required to produce an even smooth surface in accordance with the manufacturer's directions.
   4. Apply additional coats when undercoats, stains, or other conditions show through final coat of paint until paint film is of uniform finish, color, and appearance. Give special attention to ensure that surfaces, including edges, corners, crevices, welds, and exposed fasteners, receive a dry film thickness equivalent to that of flat surfaces.
   5. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, covers for finned tube radiation, grilles, and similar components are in place. Extend coatings in these areas as required to maintain the system integrity and provide desired protection.
   6. Finish exterior doors on tops, bottoms, and side edges same as exterior faces.
   7. Sand lightly between each succeeding enamel or varnish coat.
   8. Omit primer on metal surfaces that have been shop-primed and touch up painted.

C. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
   1. Allow sufficient time between successive coats to permit proper drying. Do not recoat until paint has dried to where it feels firm, and does not deform or feel sticky under moderate thumb pressure and where application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.

D. Minimum Coating Thickness: Apply materials at not less than the manufacturer's recommended spreading rate. Provide a total dry film thickness of the entire system as recommended by the manufacturer.

E. Prime Coats: Before application of finish coats, apply a prime coat of material as recommended by the manufacturer to material that is required to be painted or finished and has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to assure a finish coat with no burn through or other defects due to insufficient sealing.

F. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling such as laps, irregularity in texture, skid marks, or other surface imperfections.

G. Pigmented (Opaque) Finishes: Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

I. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not in compliance with specified requirements.

3.4 CLEANING

A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from the site.

3.5 PROTECTION

A. Protect work of other trades, whether to be painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting, as acceptable to Architect.

B. Provide "wet paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others for protection of their work after completion of painting operations.
   1. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 EXTERIOR PAINT SCHEDULE

A. General: Provide the following paint systems for the various substrates indicated. Sherwin Williams Products are listed, equal products by other manufacturers may be acceptable, subject to conformance with requirements.

B. Ferrous Metal: Primer is not required on shop-primed items.
   1. Full-Gloss Alkyd Enamel: 2 finish coats over primer.
      a. Primer: Synthetic Rust-Inhibiting Primer.
      b. First Coat: SW-B54 Series Industrial Enamel, gloss.
      c. Second Coat: SW-B54 Series Industrial Enamel, gloss.

C. Zinc-Coated Metal:
   1. High-Gloss Alkyd Enamel: 2 finish coats over primer.
      a. Primer: Galvanized Metal Primer, SW Galvite B50 WZ-30.
      b. First Coat: Alkyd Gloss Enamel, SW B54 Series Industrial Enamel, gloss.
      c. Second Coat: Alkyd Gloss Enamel, SW B54 Series Industrial Enamel, gloss

END OF SECTION 099000

ADDENDUM NO. 2

TO CONTRACT DOCUMENTS FOR:

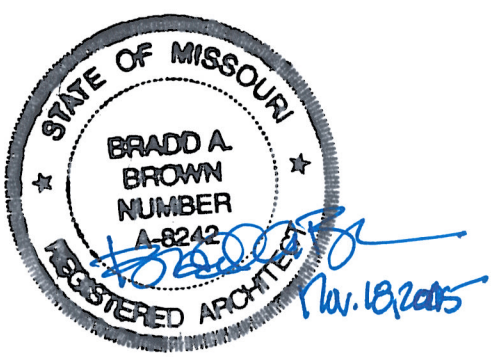
NEW JOPLIN PUBLIC LIBRARY
CITY OF JOPLIN
JOPLIN, MO
EDA PROJECT #15-79-5345

INTERIOR DESIGN ARCHITECT:
OPN ARCHITECTS, INC.
200 Fifth Avenue SE
Suite 201
Cedar Rapids, IA 52401

November 18, 2015

This Addendum forms a part of the contract documents and modifies the original bidding documents dated September 16, 2015 as noted below. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

THIS SEAL IS FOR ARCHITECTURAL DISCIPLINES ONLY



ADDENDUM 1

TO:	All Prospective Bidders	**PROJECT NO:**	14289000
PROJECT NAME:	New Joplin Public Library	**DATE:**	November 18, 2015
CLIENT NAME:	City of Joplin		
PROJECT LOCATION:	Joplin, MO		

OPN ARCHITECTS

This Addendum forms a part of the contract documents and modifies the original bidding documents dated September 16, 2015 as noted below. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

Contents: (8) Typed Pages (including sealed cover sheet)
(0) Specification Section Pages
(2) Drawing Sheets

CLARIFICATIONS

1. RESPONSES TO QUESTIONS FROM BIDDERS:
   - Q: Locations of FRP on project. *A: FRP is located in the Janitor's Room 014.*
   - Q: Please provide the width of the felt strips and the quantity for Grommet strip wall shown on 3/A455 and specified in section 098420. *A: There should be (40) felt strips, 6" wide each, as shown in detail 3/A455. Assume an equal number per color specified.*
   - Q: Where are the GAP-1 panels located in the project drawings? *A: Elevation 2/A455 has been updated to show the location of GAP-1.*
   - Q: Referring to sheet A455 detail 7 calls out for 15" x 15" lego tile. Please provide the specifications for this material. *A: The Lego tiles shown on 7/A455 shall be Lego Grey Baseplates, model 10701, and shall be framed with CRL 1/8" Aluminum J Channel D18A. Contractor shall field verify all mounting and trim accessory sizes with Lego baseplates.*
   - Q: Referring to sheet A804, remark 10 refers to a green screen on the elevations. The elevations on sheet A55 details 6 & 7 do not show the green screen. Please advise if this material is needed and provide all information necessary for construction purposes. *A: The green screen shall be provided in the furniture package.*
   - Q: Referring to Detail 9/A454 shows detail 8/A700 in the far right corner. Detail 1/A352 shows no cabinet below display cases. Which is correct detail 8/A700 or 1/A352? Please advise. *A: Detail 8/A700 is a detail of the casework on the west wall of Local History 037, also shown in elevation 7/A454. Detail 1/A352 is a detail of the (2) display cases at the entry to Local History 037 on the south wall.*
   - Q: Referring to sheet A701 detail 6, please provide materials and details on how the sink skirt is to be constructed. *A: The sink shown in 6/A701 is a 3-in-1 unit provided entirely by the sink manufacturer. There are no casework entities for this sink. See mechanical drawings for additional information.*
   - Q: Regarding the window film in spec. section 088200: Can the art work be provided in a vector file, or do the graphics need designed? *A: Elevation*

6/A450 is provided to show design intent only. All graphics will need to be designed, field verified, and approved by OPN during construction.

- Q: Regarding the window film in spec. section 088200: Are the letters to overlap each other or a space cut out between the letters? *A: This is a full height, double-sided print job. The vinyl shall be applied to the glass panels from floor to ceiling on both sides of the glass.*

- Q: Regarding the window film in spec. section 088200: What type of Fasara, Etch color, etc. is to be provided? The price of the films very widely. *A: Reference updated specification information issued with Addendum #2.*

- Q: Regarding the window film in spec. section 088200: Is a permanent protective 2 mill clear layer over the graphic needed so future, weekly or monthly cleaning does not snag the edges of the letters and cause damage? *A: Since this is a full height, double-sided print job, a protective layer is not needed.*

- Q: Can we get the architect to give us more information on the Display door hardware for details 1 & 5/A352? It appears the ½" glass is set in a wood frame or metal frame, not sure? That is a lot of weight for a small frame as drawn. It mentions display door and side light with continuous mounting bar? Need more info on this as well. It also mentions ¼" x ¼" rail? Not sure what this is either. *A: See Section 064100-Architectural Wood Casework, section 2.4 Hardware, for display case specification information.*

- Detail 5/A701 calls for steel tube support and ¾ plywood. Is the plywood paint or stain grade? *A: Plywood shall be paint grade.*

- Q: Can you clarify if the Portal windows in Room 004 Detail 7/A451 from inside the room is supposed to look just like Room 001 Detail 4/A451 at the solid surface window sill portion for these windows. It appears to me that all 3 of these windows in each room would be the same interior finish with solid surface. It would help if there was also a section view on 4/A451 for Room 001 possibly to know how deep the sills are. *A: The circular windows illustrated in 7/A451 are to be finished with a coated foam fabrication (CFF-1) as shown in detail 17/A406 and 18/A406. The circular windows illustrated in 4/A451 are to be finished with solid surface as shown in detail 6/A407 and 10/A407.*

- Q: On sheet A104 it shows detail 1/A371 on the corner of outside wall between rooms 029 and 031. Do these wall fins run totally around this wall, and if so how far apart are they, Or is this one single fin. I am assuming this is to be the PR-1 3 Form "Varia" Ecoresin double sided, but what color is it, "Candy Apple" I cannot understand by the finish page. *A: See elevation 9/A450. The fins are double sided, meaning one side will be red to match PT-5 and the other turquoise to match PT-6.*

- Q: On sheet A103 it shows detail 1/A454, which refers to 2/A352 details 2,6/A352. This shows to be on the upper portion roughly 10'W x 16'T , and lower portion roughly 19"T x 10'W. It does not show this to be but 1 panel each of profile wall tile: 3Form style "Swoon" crystal white, matte finish. Is this correct, that each are only one panel? This will be extremely difficult to ship, and install as well if that is the case. Am I seeing this wrong? *A: No, they are not shipped as one panel. The material comes in individual MDF tiles shaped like a rhombus and will be installed one by one to form the entire composition. Please see the 3Form website for visuals.*

- Q: On sheet A450 detail 9. It shows PR-1 3 Form Varia Ecoresin wall fins. What color are this to be "Fresh Water" Do you have a section view of this so it will clarify how these are going on the wall, and how deep they need to be? The floor plan shows them being T shaped, but details 1/A371, and 1/A310 are conflicting. *A: The fins are double sided, meaning one side will be red to match PT-5 and the other turquoise to match PT-6. They are not T shaped—the plans show a dashed line to represent the ceiling above. Please reference 1/A371 and 1/A310.*

- Q: Could you please clarify which windows are to receive solid surface sills? *A: There will be solid surface sills at all exterior windows with GWB below as shown in wall sections 1/A306 and 4/A310. Window FW1 will receive a solid surface sill as shown in plan detail 6/A370 and wall section 2/A306. Window IG28 is to receive a continuous solid surface window surround, material SSF-2, as shown in 1/A370 and on revised drawing sheet A411. The circular windows illustrated in 4/A451 are to be finished with solid surface as shown in detail 6/A407 and 10/A407*

- Q: The display glass shelf support from Hafele (284.04.922) is not available in the United States according to Hafele. Will this product be granted a waiver to the Buy American Act or can another product be specified? *A: Replace the Hafele product with the following: Richelieu Hardware, Kaiman Glass/Wood Wall Shelf Support 161022185.*

- Q: Please specify a manufacturer for the PWT-1 finish. *A: As shown on A804, PWT-1 shall be color crystal white with a matte finish. These tiles shall come prefinished from the manufacturer.*

- Q: Finish Schedule A804, for rooms 004 and 031 – ceiling is specified as ACT-1/ Gyp/ Exp. Also note 5 calls for exposed structure to be painted PT-3. Please clarify, if the structure needs to be painted through the room or only at the locations where the structure is visible? Does the structure need to be painted above the interior composite ceiling or metal soffit ceiling? *A: The structure shall be painted only where it is visible.*

- Q: Referring to sheet A152, please advise which section is to be applied at the top of GWB (10/A351 or 11/351) and if this is to be applied at the opposite side of room 311. *A: Both sections apply to the top of GWB, the difference being the inclusion of the picture rail, extents of which are shown in Interior Elevation 3/A457. It is to be applied to both sides of room 311.*

- Q: Referring to sheet A353 detail 13, is the ½" x ½" extruded angle needed in all areas the aluminum base is installed? *A: The ½" x ½" angle is to be used in areas where vinyl wallcovering is applied to walls with the 4" x 5/8" extruded aluminum wall base.*

- Q: Regarding detail 7/A610 and 9/A610 of the aluminum wood grain soffit on the interior ceilings of Children's Library, Post Reading Room and Main Resource Collection: it appears that it needs metal framing to support it but it's not called out. For this same ceiling on the exterior, they call out framing and sheathing. *A: See drawing revisions below for sheet A610.*

- Q: Elevation 4/A451 calls for SSF-1 for the round windows, sections 16,17/A406 do not explain SFF-1? Is this a typo? And should it be CFF-1? *A: The windows in 4/A451 shall receive solid surface (SSF-1), not CFF-1.*

- Q: Referring to sheet A410, please provide all necessary sections for interior aluminum frame installation at the head, jamb, & sill. Please provide all blocking requirements needed for this assembly. *A: See sheet A400 for additional detailing of head, jamb and sill conditions*.

- Q: Referencing specification section 097700 Fiberglass Reinforced Panels. Please advise what the requirement is with regard to finish, smooth or embossed (pebbled) and if they are to be class A or class C. *A: The FRP panel finish shall be embossed (pebbled) and they are to be Class C.*

- Q: Reference elevation 2/A455. Please provide the horizontal dimension for elevation 2/A455. Confirm it is 12'8" and that GAP-2 panels are to be 9'8" x 3'2" individual panels. *A: The overall horizontal dimension for the Glass Board Architectural Panels in elevation 2/A455 is 12'-7 ½", and the overall height is 10'-0". Please note that the Glass Board Architectural Panels in this elevation have been revised per this Addendum to be "GAP-1" instead of "GAP-2".*

- Q: Referring to spec. section 103100, please advise if the Modern Flames fireplace AL100CLX is to have a black or stainless steel face. *A: The fireplace shall have a black face.*

- Q: Can a manufacturer and more detailed be provided for the mirrors with the 3" sandblasted edges. *A: This is not a prefabricated system. This is a typical OPN detail that we have used on several projects in the past with success based on the plans and specifications provided.*

- Q: Referring to the note on plan pages A410, the interior ½" glass calls for a performed extruded silicon gasket. This does not look like a good application for this product. I spoke with one of the manufactures CR Laurence. They did not have any experience with this product in this type of application (120" side lites with door frames and wood doors). We recommend changing to wet seal vertical joints. *A: The interior ½" glass will be revised to a wet seal. Please reference the revised Specifications in this Addendum #2.*

- Q: Please provide detail for opening at Service Desk Support 044, ref A101. *A: The opening at room 044 Service Desk Support is window FW1. Details for this can be found at detail 6/A370 and wall section 2/A306.*

- Q: Please provide detail for Server 058 window. No callout on A101, A410, or A411. *A: Refer to A400 Door Schedule.*

- Q: How will the manual and motorized shades be mounted? *A: For shade mounting, refer Reflected Ceiling Plan General Note 8. All shades to be wall mounted with the exception of room Teen Maker 025 which is to be top mounted. Shades will not include attached pockets or housings.*

- Q: Is the recessed metal shelving shown on sheet A455 to be included in our proposal? If so, will a specification be provided? *A: Recessed shelving on A455 shall be specified as future furniture and therefore is not in the contract.*

- Q. Corner guards are specified, but we are not aware of any on the plans. Please clarify if corner guards are required. *A: Corner guard locations are shown on the finish plans, sheets A800-A803.*

ARCHITECTURAL APPROVED MANUFACTURERS/PRODUCTS:

The following list must be referenced to the appropriate Specification Section, and the manufacturer's name added to the acceptable manufacturers in each section. **Important note: naming of a manufacturer does not necessarily certify or warrant that a specific product automatically complies with the contract; the same limitations that apply to the naming of acceptable manufacturers in the specifications. The Contractor must ensure that all products comply with the plans and specification requirements.**

1. **SECTION 10 21 13.13**
   - Metal Toilet Compartments……..Accurate Partitions – Stainless Steel Toilet Partitions
     Approval is contingent upon the use of stainless steel hardware as called out in the specifications under section 102113.13 2.4 Accessories.

   - Metal Toilet Compartments……AMPCO PRODUCTS – Stainless Steel Toilet Partitions
     Approval is contingent upon the use of stainless steel hardware as called out in the specifications under section 102113.13 2.4 Accessories.

2. **SECTION 09 51 00**
   - Acoustical Units……..…CertainTeed Ceilings
     Approval is contingent upon the use of accessories as called out in the specifications under section 09 51 00 2.3 Accessories.

3. **SECTION 09 69 00**
   - Access Flooring……..…ASM Access Floor FS300

4. **SECTION 08 11 16**
   - Interior Aluminum Doors and Frames……..…Wilson Partitions

5. **SECTION 08 41 20**
   - Fire Rated Window Wall Assembly……..…Aluflam Fire-rated Aluminum Windows
   - Fire Rated Window Wall Assembly……..…Vetrotech

6. **SECTION 12 24 13**
   - Roller Window Shades……..…MechoSystems WhisperShade IQ System

DRAWINGS

ARCHITECTURAL DRAWING ITEMS:

- SHEET G200 – OVERALL CODE & FEMA PLAN CODE SUMMARY
  - **ADD** the following notes to Code Summary:

    "INTERIOR FINISHES
    - GROUP A-3
      - EXIT ENCLOSURES AND EXIT PASSAGEWAYS = CLASS B
      - CORRIDORS = CLASS B

- ROOMS & ENCLOSED SPACES = CLASS C”

- SHEET A101 – FLOOR PLAN – AREA A
  - **REVISE** Keynote 16: “GLASS BOARD FLOAT PANEL – SEE INT ELEVATIONS”

- SHEET A102 – FLOOR PLAN – AREA B
  - **ADD** Keynote 30: “GLASS BOARD FLOAT PANEL – SEE INT ELEVATIONS”
  - **REPLACE** Keynote 15 in ROOM 019 COMMUNITY ROOM (STORM SHELTER) with Keynote 30.

- SHEET A455 – TEEN COLLECTION INTERIOR ELEVATIONS
  - INTERIOR ELEVATION TEEN STUDY – W ELEV, 2/A455: **REVISE** note “(4) GLASS BOARD ARCHITECTURAL PANELS, GAP-2” to read “(4) GLASS BOARD ARCHITECTURAL PANELS, GAP-1”
  -
- SHEET A350 – INTERIOR WALL SECTIONS
  - **REVISE** detail 5/A350 - WALL SECTION AT LOCKERS per re-issued sheet A350 attached.

- SHEET A458 – ADMIN INTERIOR ELEVATIONS
  - **REVISE** interior elevation 7/A458 – HALLWAY – W ELEV per re-issued sheet A458 attached.

- SHEET A457 – COMMONS INTERIOR ELEVATIONS
  - LOBBY ENTRY – W ELEV – **ADD** note “SSF-2 WINDOW LINING” to window surrounds.

- SHEET A610 – COMMONS INTERIOR ELEVATIONS
  - DETAIL 7/A610 – **ADD** note “Attach alum soffit boards to 3 5/8” metal studs or z furring installed at 16” O.C. min, attached to deck. Refer to soffit manufacturer’s recommended installation instructions.”
  - DETAIL 9/A610 – **ADD** note “Attach alum soffit boards to 3 5/8” metal studs or z furring installed at 16” O.C. min, attached to deck. Refer to soffit manufacturer’s recommended installation instructions.”

- SHEET A410 – INTERIOR WINDOW ELEVATIONS
  - WINDOW ELEVATION IG02 – **REVISE** note “BUTT JOINT GLASS ¼” GAP. SEAL GAP WITH PREFORMED EXTRUDED SILICONE GASKET. CLEAR. SEE SPEC. (TYP)” to read “CLEAR SILICONE BUTT JOINT, ¼” MAX. MAINTAIN EQUAL JOINTS, TYP.”
  - WINDOW ELEVATION IG18 – **ADD** note “1/2” SAFETY GLAZING” pointing to window glazing.
  - WINDOW ELEVATION IG19 – **ADD** note “1/2” SAFETY GLAZING” pointing to window glazing.

- SHEET A411 – INTERIOR WINDOW ELEVATIONS
  - WINDOW ELEVATION IG28– **ADD** note “SOLID SURFACE WINDOW LINING – SSF-2” pointing to window surround.
  - WINDOW ELEVATION IG20 – **REVISE** note “BUTT JOINT GLASS ¼” GAP. SEAL GAP WITH PREFORMED EXTRUDED SILICONE GASKET. CLEAR. SEE SPEC. (TYP)” to read “CLEAR SILICONE BUTT JOINT, ¼” MAX. MAINTAIN EQUAL JOINTS, TYP.”
  - WINDOW ELEVATION IG27 – **ADD** note “1/4 SAFETY GLAZING” pointing to window glazing.

- WINDOW ELEVATION IG29 – **REVISE** note “1/4” GLAZING” to read “1/4” SAFETY GLAZING”

- SHEET A804 – INTERIOR FINISH LIST
  - ROOM FINISH SCHEDULE: **ADD** “7” under the REMARK column for the following Rooms 003, 003A, 021B, 023, 056, 060, 061

SPECIFICATIONS

1. SECTION 06 41 00 – ARCHITECTURAL WOOD CASEWORK

Section 2.4.H: **REPLACE** “Hafele, Kaiman Wall Fixing Shelf Supports 284.04.922” with “Richelieu Hardware, Kaiman Glass/Wood Wall Shelf Support 161022185”.

2. SECTION 08 82 00 – INTERIOR GLAZING

Section 1.6: **ADD** “B. Plastic film shall be installed by a certified manufacturer installer.”

Section 2.3.A: **REPLACE** “Fasara Decorative Window Film” with “Scotchcal Clear View Graphic Film IJ8150”.

Section 2.5.C: **REMOVE** section

Section 3.3 **REPLACE** with the following:

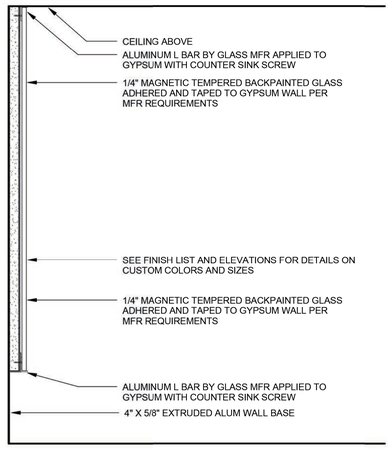
INSTALLATION – INTERIOR BUTT GLAZED

A. Temporarily brace glass in position for duration of glazing process. Mask edges of glass at adjoining glass edges and between glass edges and framing members.
B. Temporarily secure a small diameter non-adhering foamed rod on back side of joint.
C. Apply sealant to open side of joint in continuous operation; thoroughly fill the joint without displacing the foam rod. Tool the sealant surface smooth to concave profile.
D. Permit sealant to cure then remove foam backer rod. Apply sealant to opposite side, tool smooth to concave profile.
E. Remove masking tape.

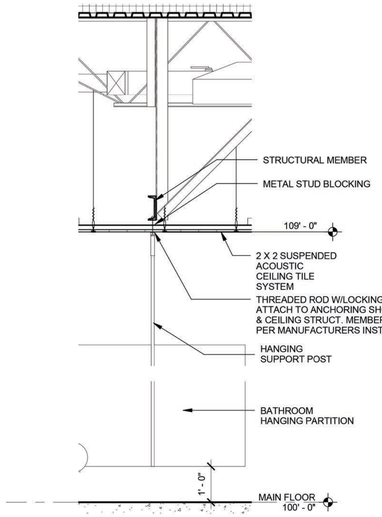
3. SECTION 10 51 00 – LOCKERS

Section 2.2.A.3: **REVISE** section to read “Flat tops fabricated from a single sheet of 3/8 inch HDPE”
Section 2.3.B: **REVISE** section to read “Configuration: two tier”
Section 2.4.D: **REMOVE**

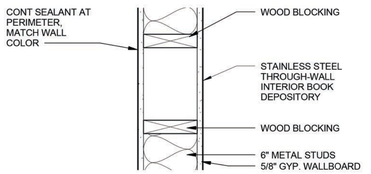
END OF ADDENDUM



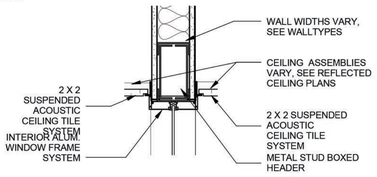
9 DETAIL @ MAGNETIC BACKPAINTED GLASS (AB-1)
3" = 1'-0"



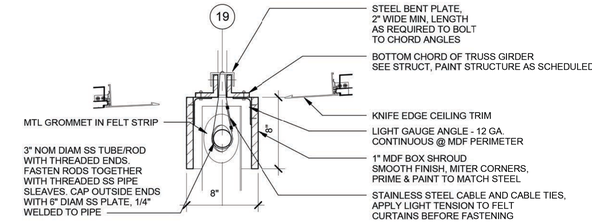
8 WALL SECTION @ HANGING PART
1/2" = 1'-0"



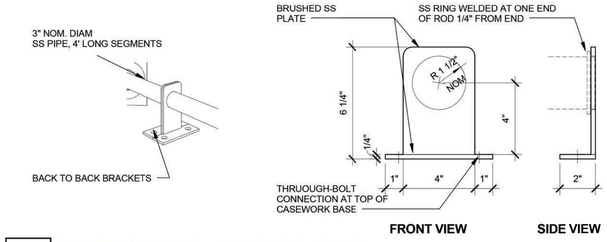
12 FRAMING @ INT. BOOK DROP
1 1/2" = 1'-0"



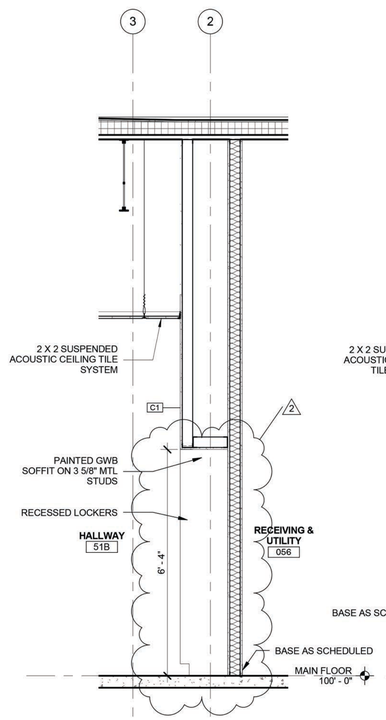
7 HEADER @ GLASS WALL (TYP)
1 1/2" = 1'-0"



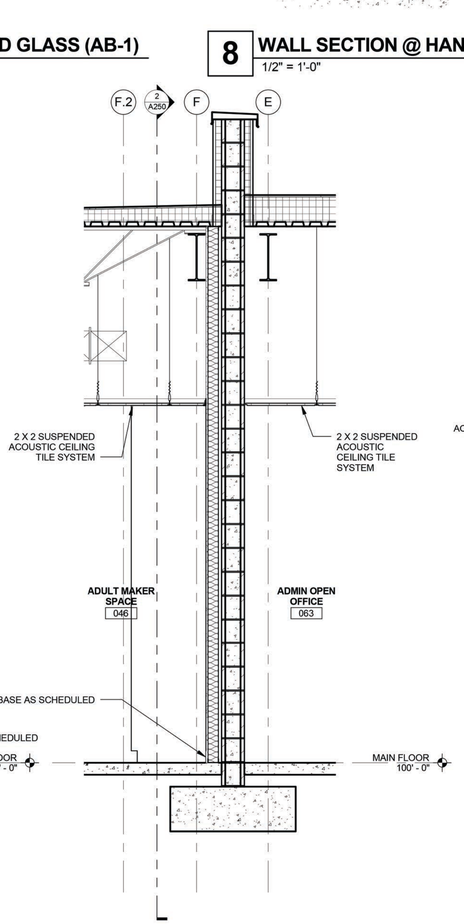
11 DETAIL @ FELT STRIP HEAD
1 1/2" = 1'-0"



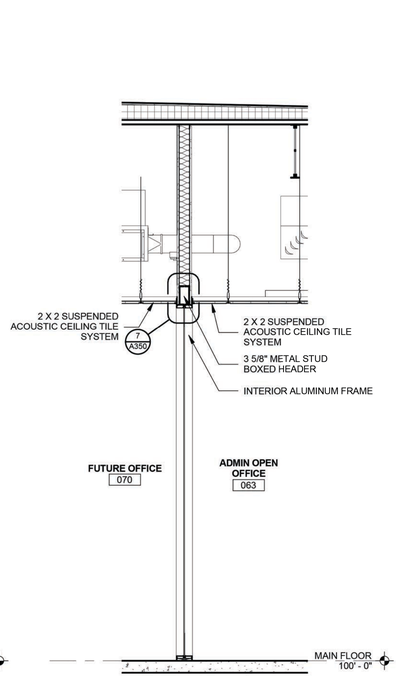
6 DETAIL OF FELT STRIP BRACKET
3" = 1'-0"



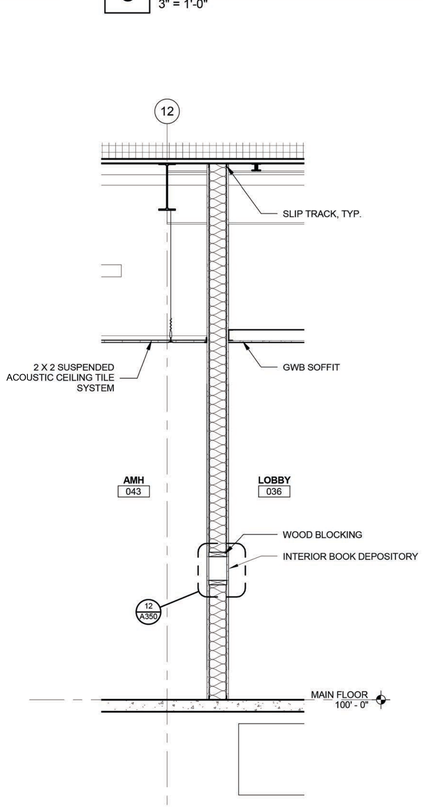
5 WALL SECTION @ LOCKERS
1/2" = 1'-0"



4 WALL SECTION @ OPEN OFFICE SOUTH
1/2" = 1'-0"



3 WALL SECTION @ OFFICE GLASS WALL
1/2" = 1'-0"



2 WALL SECTION @ INT. BOOK RETURN
1/2" = 1'-0"

1 WALL SECTION @ FELT STRIP FEATURE
1/2" = 1'-0"

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The personal seal of the registered Architect or Engineer shall be the legal equivalent of his signature whenever & wherever used, and the owner of the seal shall authenticate this sheet and the specification sections pertaining to this sheet. Responsibility shall be disclaimed for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural project.

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2	ADD#2	11-18-15

Associate Architect / Interior Design

STATE OF MISSOURI
BRADD A. BROWN
NUMBER A-8242
REGISTERED ARCHITECT
Nov. 18, 2015

Bradd A. Brown, Architect MO 008242

OPN ARCHITECTS
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DES MOINES
MADISON

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SAPP DESIGN ASSOCIATES ARCHITECTS

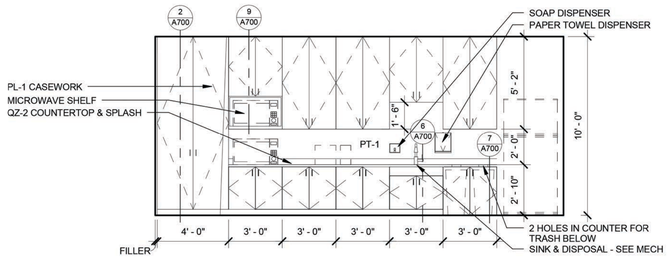
3750 S. Fremont, Springfield, MO 65804
Phone 417-877-9600
Fax 417-887-9696

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Missouri State Certificate of Authority #000607

Project No.	Date	Drawn
14-806	9-16-15	Author

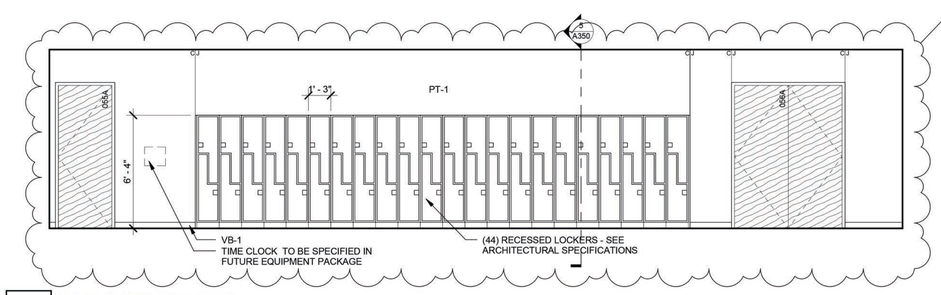
Drawing No.
A350
INTERIOR WALL SECTIONS

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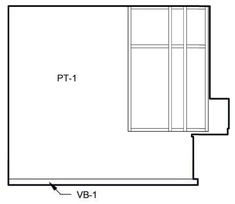


NOTE : KITCHEN APPLIANCES TO BE SPECIFIED IN FUTURE EQUIPMENT PACKAGE - FIELD VERIFY ALL APPLIANCE SIZES WITH CASEWORK

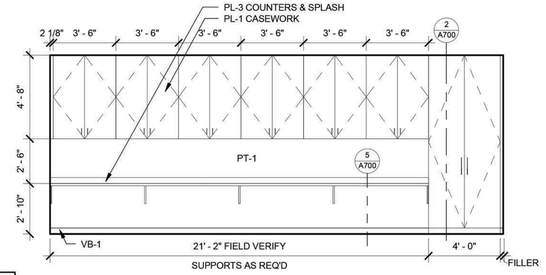
8 BREAK ROOM - N ELEV
1/4" = 1'-0"



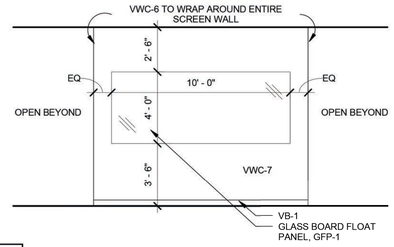
7 HALLWAY - W ELEV
1/4" = 1'-0"



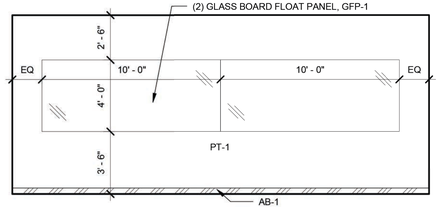
6 IT WORK ROOM/OFFICE - N ELEV
1/4" = 1'-0"



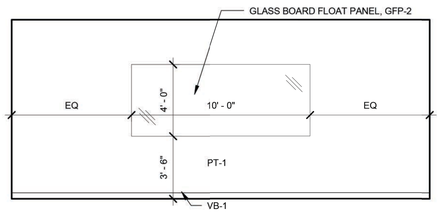
5 IT WORK ROOM/OFFICE - E ELEV
1/4" = 1'-0"



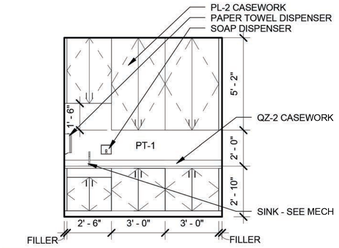
4 BREAK ROOM - SCREEN WALL
1/4" = 1'-0"



3 SERVICE SUPPORT DESK - W ELEV
1/4" = 1'-0"



2 MULTI-PURPOSE MEETING ROOM - E ELEV
1/4" = 1'-0"



1 ADMIN OPEN OFFICE - W ELEV
1/4" = 1'-0"

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Fax 417-887-9696

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Missouri State Certificate of Authority #000607

Project No.	Date	Drawn
14-806	9-16-15	Author

Drawing No.
A458
ADMIN INTERIOR ELEVATIONS

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TOTH & ASSOCIATES
417.888.0645
tothassociates.com
830 E. Primrose, Suite 200
Springfield, Missouri 65807



ADDENDUM 02

DATE: November 18, 2015

ISSUED BY: Toth and Associates Inc.
Structural Engineer of Record

PROJECT: **Joplin Public Library**
1901 East 20th Street
Joplin, Missouri 64801

The attached revisions hereby supersede any and all information for which they may conflict as indicated on the Drawings, Specifications and related documents issued in the original contract set. The contractor and any affected sub-contractor is responsible for modifications to their work caused by changes in the work of other trades. This addendum is a part of and shall be attached to the original set of plans and specifications for the work.

GENERAL:

None

DRAWING REVISIONS:

1. Reference 5/S5.1. Section 4/S4.5 shall be referenced here. Coordinate airfoil locations with architectural drawings.

END OF ADDENDUM 02

Colvin Jones Davis LLC
Engineering | Energy | Innovation

Addendum

To: Kent Sanders, SDA Architects

From: Clayton Forgey

CC: File

Date: November 18, 2015

Project: Joplin Library

Addendum #2



The following changes shall be incorporated into the construction documents for the above referenced project:

Revisions to drawings:

Mechanical:

1. Refer to sheet M202:
    a. Supply diffusers Gallery and Pre-function Room 011 shall be designated as S1.
2. Refer to sheet M301:
    a. PLUMBING FIXTURE SCHEDULE:
        i. Elkay shall be approved manufacturer for drinking fountains DF1 and DF2. Style and Bottle shall be similar to specified fixture.
        ii. Kohler shall be an approved manufacturer for Sink SK1.
        iii. Sloan shall be an approved manufacturer for Sensor operated flush valves.
3. Refer to sheet M302:
    a. FAN SCHEDULE: Provide backdraft damper for Exhaust Fan EF9.
    b. ELECTRIC DUCT HEATER SCHEDULE: Neptronics shall be an approved Duct Heater manufacturer.
    c. BASEBOARD HEATER SCHEDULE: BBH38 shall be removed from schedule.
    d. DEDICATED OUTSIDE AIR FAN-COIL UNIT SCHEDULE: Temperature and humidity sersors shall be placed in the discharge supply duct to be monitored by the Building Management System.

Electrical:

1. Refer to sheet E401:
    a. LIGHTING FIXTURE SCHEDULE: Add fixture 'RL1" to be Acclaim model FLEX2I35 with FLK DWM housing and FLK DFL frosted lens.
2. Refer to sheet E101-E104, LIGHTING PLANS:
    a. Per Addendum #1, contractor shall provide rough-in for low-voltage switches for control of Solatubes. Low-voltage control cabling shall be provided by Solatube installer. Provide power for Solatube controls from nearest general purpose receptacle circuit. Verify exact requirements with Solatube installer.
    b. Architectural lighting controls shall be provided as follows:
        i. Architectural lighting control system, currently noted as Crestron/by owner, shall be provided under this contract. Exact specifications will be provided at a later date to allow complete coordination/integration with audio/visual system. Crestron will be basis of design, but other manufacturers will be considered for equivalency.

ii. Contractor shall include an allowance of $150,000. This allowance shall cover all items anticipated to be part of lighting control system contractor/vendor scope, including: system hardware, software, occupancy sensors and low-voltage cabling, daylighting sensors and low-voltage cabling, low-voltage cabling between lighting control panels and system front-end, low-voltage cabling for control of motorized shades, system programming, and system commissioning.

iii. Contractor shall be responsible for the following, not part of allowance:

1. Momentary switches, rough-in, and wiring to nearest lighting control panel.

2. Installation of lighting control panels. Panels furnished under allowance.

3. Rough-in for lighting control stations. Stations and cabling provided under allowance.

iv. Occupancy sensors, daylighting sensors, and lighting control stations

3. Refer to sheet E201, POWER PLAN – AREA A:
    a. Provide card reader adjacent to interior door in Vestibule 0325. Coordinate exact location with architect.
4. Refer to sheet E201-E204, POWER PLANS:
    a. Telecommunications scope of work shall be as follows:
        i. Provide rough-in for all communications devices as indicated on drawings.
        ii. Refer to drawings for voice/data rough-in locations. Devices/jacks shall be provided as follows:
            1. Wall-mounted devices located in all common areas shall receive a single voice and data jack.
            2. Floor-mounted devices located at office areas shall receive a single voice and data jack.
            3. Floor-mounted devices located in all common areas shall receive a single data jack.
        iii. Data jacks shall be Category 6, model HXJ6B, as manufactured by Hubbell, Panduit, or approved equivalent.
        iv. Phone jacks shall be Category 6, model HXJ6W, as manufactured by Hubbell, Panduit, or approved equivalent.
        v. Cover plates shall be model P630S1GC6, series SSF, as manufactured by Hubbell, Panduit, or approved equivalent, blue in color. Cover plate colors shall be selected by architect from standard offering.
        vi. Cabling shall be Category 6, type 77-240-2B, as manufactured by Superior Essex, Hubbell, or approved equivalent.
        vii. Terminate cabling at owner/vendor provided punch-down blocks. Provide cabling with 10’ service loops at each end.
        viii. Cabling shall terminate at nearest MDF/IDF room.
        ix. Contractor shall be responsible for terminations and testing of devices and cabling. Test with level III accuracy in accordance with ANSI/TIA-1152. Testing shall measure wire, map, length, insertion loss, next, PS next, ACR-N, PS ACR-N, and return loss. A “pass” indication shall be obtained for each channel or link. Submit copy of all test results to owner and engineer for review/approval.
        x. All work shall comply with BICSI Standards.
        xi. All cabling shall be installed in cable tray and raceways as specified on drawings. Where required, provide additional cabling supports in form of j-hooks or similar.
        xii. Provide labeling of all devices/jacks and cables. Submit proposed labeling scheme for engineer approval prior to implementation.
        xiii. Prior to design, implementation, or installation, contractor shall coordinate with owner’s representative and owner selected vendors to verify scope of work and exact details and requirements.
        xiv. Punch-down blocks, racks, switches, patch panels, backbone cabling, and other system components shall be furnished and installed in rack(s) by owner or owner selected vendor.
    b. Cable television system scope of work shall be as follows:
        i. Single coax/RG-6 jack and single data jack.
        ii. Refer to information above for data jack requirements.
        iii. Coax/RG-6 jacks shall be as manufactured by Hubbell, Panduit, or approved equivalent.
        iv. Cover plates shall be as manufactured by Hubbell, Panduit, or approved equivalent. Cover plate colors shall be selected by architect from standard offering.
        v. Coax/RG-6 cabling shall be type CMP/CL2P, 80% shielded, as manufactured by Superior Essex, Hubbell, or approved equivalent. Provide cabling with 10’ service loops at each end.

vi. Contractor shall be responsible for terminations and testing of devices and cabling. Test with level III accuracy in accordance with ANSI/TIA-1152. Testing shall measure wire, map, length, insertion loss, next, PS next, ACR-N, PS ACR-N, and return loss. A "pass" indication shall be obtained for each channel or link. Submit copy of all test results to owner and engineer for review/approval.
vii. All work shall comply with BICSI Standards.
viii. All cabling shall be installed in cable tray and raceways as specified on drawings. Where required, provide additional cabling supports in form of j-hooks or similar.
ix. Provide labeling of all devices/jacks and cables. Submit proposed labeling scheme for engineer approval prior to implementation.
x. Prior to design, implementation, or installation, contractor shall coordinate with owner's representative and owner selected vendors to verify scope of work and exact details and requirements.
xi. Punch down blocks, racks, switches, patch panels, backbone cabling, RG-6 splitters, and other system components shall be furnished and installed in rack(s) by owner or owner selected vendor.

c. All security, access control, surveillance system devices, components, hardware, software, and cabling shall be provided under separate contract. Under this contract, provide rough-in as indicated on drawings.

5. Refer to sheet E405, SURGE PROTECTION DEVICE SCHEDULE:
   a. Square D, Eaton Corporation, and Current Technologies shall be approved manufacturers.
   b. Eaton Corporation shall be an approved manufacturer.
6. Refer to sheet E401, ELECTRICAL SCHEDULES:
   a. Main Switchboard MSB: Delete requirement for ground fault protection.

Revisions to Specifications:

1. Section 220800 PIPING INSULATION:
   a. All roof drain piping shall be insulated with 1" Fiberglass insulation.
   b. All refrigerant piping shall be insulated with 0.5" elastomeric insulation and per manufacturer's insulation requirements and recommendations.
2. Section 223000 FIRE PROTECTION SYSTEMS:
   a. Fire sprinkler system shall be dry, pre-action type. Coordinate for interconnection with automatic fire detection system.
   b. Provide coverage at exterior canopies as required per applicable codes and standards.
   c. Routing of all exposed fire sprinkler piping and locations of sprinklers shall be subject to approval by architect/engineer based on aesthetics.
   d. Concealed type fire sprinklers shall be provided in standard colors as selected by architect.
3. Section 227320 PACKAGED ROOFTOP AIR CONDITIONING UNITS (3 TO 10 TONS):
   a. 2-Stage heat shall be acceptable for RTU's 1 and 2.
4. Section 229000 BUILDING MANAGEMENT SYSTEM:
   a. Refer to attached sheet VRF BMS Points Summary. All points shall be monitored by the Building Management System. All sensors, wiring, etc. shall be provided by the Mechanical Contractor and all integration to the Building Management System shall be by the BMS provider/contractor.
   b. Mechanical contractor shall provide all wiring, conduit, back-boxes, sensors, etc. for rough-in and installation of Building Management System.
5. Section 229500 TESTING, ADJUSTING, AND BALANCING:
   a. Pro Balance Inc. shall be listed as an approved Testing and Balance contractor.
6. Section 269000 FIRE DETECTION AND ALARM SYSTEM:
   a. Provide all components and programming necessary for connection to pre-action fire sprinkler system. Coordinate requirements with fire sprinkler contractor/engineer.
   b. Gamewell shall be an approved fire alarm system manufacturer.

Attachments: VRF BMS Points Summary.

VRF BMS POINTS SUMMARY

Variable Refrigerant Flow System
INDOOR FAN COIL UNITS (required points for each fancoil)
Space Temperature (degrees F)
Condensing Temperature (degrees F)
Liquid Temperature (degress F)
Suction Temperature (degrees F)
Unit Mode (heat / cool / fan)
Fan Speed (low / high) – medium where applicable
Expansion Valve (percentage open)
Malfunction Code
Unoccupied Space Setpoint (degrees F)
Unit Occupied/Unoccupied (degrees F)

OUTSIDE AIR PROCESSING UNITS (required points for each fancoil)
Discharge Air Temperature (OAPU) (degrees F)
Discharge Air Humidity (OAPU) (degrees F)

OUTDOOR VRV CONDENSING UNIT (TAG: HRU's) (required points for each Outdoor Unit)
Target Condensing Temperature (degrees F)
Target Evaporating Temperature (degress F)
Condensing Unit Current (Amperage)
Inverter Speed Compressor 1 (Hertz)
Inverter Speed Compressor 2 (Hertz) – where applicable
Inverter Speed Compressor 3 (Hertz) – where applicable
Expansion Valve 1 (percentage open)
Expansion Valve 2 (percentage open)
Condensing Temperature (degrees F)
Evaporating Temperature (degress F)
Suction Temperature (degrees F)
Outdoor Ambient Temperature (degrees F)
Condenser Fan Speed (percentage on)
Malfunction Code