



City of Raymore

100 Municipal Circle · Raymore, MO. 64083
Phone · 816-892-3045 · Fax · 816-892-3093

ADDENDUM NO. 2

Raymore Activity Center: Project #17-229-201

All plan holders are hereby notified and agree by signature below, that the bid includes consideration of the following changes, amendments, and/or clarifications and costs associated with these changes and are included in the bid.

Addendum No. 1 – General Notes, Questions, and Clarifications:

1. **Question:** Sheet ID113 RE: the individual letters “Family Restroom” and “Restrooms” the spec calls case letter, but they don’t make 4.5” cast. Would flat cut out plate letters in aluminum (FCO) be allowable?
 - a. **Response:** Yes, flat cut out plate letters in aluminum are allowable.
2. **Question:** RE: Sheet ID113 the interior ADA code signs with Braille – is a photopolymer sign at .125” thickness allowable?
 - a. **Response:** Yes, a photopolymer sign at .125” thickness is allowable.
3. **Question:** RE: Sheet ID211 Vinyl film on interior walls. What color and model spec are they asking? Is 3M 220 series vinyl allowable?
 - a. **Response:** Please refer to revised spec section 101423 panel signage.
4. **Question:** Is there a bid form to use for signage?
 - a. **Response:** There is no bid form for signage. Subcontractors should submit subcontract bid to general contractor for inclusion in lump sum bid – stipulated sum for single prime contract.
5. **Question:** Finish hardware set 03 has MD8610 Sargent Panics which are Hurricane Resistant. The doors/frames are listed as standard on Door Schedule. There are no hollow metal specs for hurricane openings. Are these two openings 112B, 104 to be Fema or Hurricane rated?
 - a. **Response** The 8610 is only Hurricane Resistant or Windstorm Rated which is called out as WS8610. Currently the MD8610 is our standard application for a panic device. These openings are not to be FEMA or Hurricane Rated.
6. **Question:** The hollow metal spec section 081113 lists standard hollow metal openings at exterior openings. These openings 104, 112B, and 111A are in finish hardware sets 03 and 04. The sets list weather-stripping in KERFED frames and the astragal with a Trio E hollow metal door? Should these 3 openings include the kerfed hollow metal frames and Trio doors, or per the spec section 081113.
 - a. **Response** Yes, we have called out for KERFED Frames as part of Trio E Hollow Metal Assembly for exterior hollow metal openings.

7. **Question:** Will the 2-digit clock be going on the wall? As far as I can see, they are not being placed on the backboards. Will this clock need its own controller or is it being controlled by the basketball scoreboard's controller and running with the basketball scoreboard? Verify there is only (1) Two-digit Clock required.
 - a. **Response:** The 2-digit clock is to be place on the backboard.
 - b. **Response:** Clocks are to be controlled by the basketball scoreboards controller and run with the basketball scoreboard.
 - c. **Response:** There are (2) two-digit clocks, 1 per backboard.
8. **Question:** The plans call for a 3" domestic water service and a 3" meter pit assy. It does not give a detail and I could not find one in your spec book. They also call for the pipe to be a 3" copper tube size HDPE DR11. I went through your spec book and it looks like you are Ductile Iron Pipe only. Is that correct? Do you have a detail for a 3" Meter Pit Assy that you require?
 - a. **Response:** The plans show a 3" water line at the domestic water service entry. The 3" line at the domestic water service entrance shall be Class 52 ductile iron pipe. The piping material specifications can be found on Sheet P401, Section 15B Piping Materials.
 - b. **Response:** The HDPE DR11 pipe as called out on the plans is correct. The meter pit assembly is per the city and no details of that will be shown on the plans.
9. **Question:** The plans called for 6" C-900 but did not say what class. I went through your spec book and it looks like you are Ductile Iron Pipe only. Is that correct?
 - a. **Response:** The piping material specification can be found on Sheet P401, Section 15B Piping Materials.
10. **Question:** Section 312000, 3.8.D states "Authorized additional excavation and replacement material will be paid for according to Contract provisions for changes in the Work." After proof-rolling subgrades, will there be a change order to cut and replace per the specification above?
 - a. **Response:** No, there will be no change order to cut and replace per the specification above.
11. **Question:** Can we use onsite excavated material for onsite fill? Including areas of fill beneath the LVC layer in the building pad and in areas of fill in paving and other areas?
 - a. **Response:** Onsite excavated material for onsite fill cannot be used with in the LVC layer. Can be used anywhere else as long as it meets requirements stated in the geotechnical report.
12. **Question:** Is the liner panel above 20' the facing for the simple saver liner.
 - a. **Response:** Yes, this is the simple saver liner.
13. **Clarification:** On drawing C400 there is a fire sprinkler backflow preventer shown on the fire line in vault outside. On drawing FP202 there is a fire sprinkler backflow preventer shown inside on the sprinkler riser. Please indicate as to which location is correct.
 - a. **Response:** Backflow preventer shown on C400 is to remain. Backflow preventer shown on FP202 inside on the sprinkler riser is to be removed from the project.
14. **Clarification:** Opening 112A is not on the door schedule of plans, but it is listed in finish hardware set 03.
 - a. **Response:** Door 104 at the Gymnasium should read 112A door 104 should not exist.
15. **Clarification:** There is no Door Type B noted in the door schedule.
 - a. **Response:** Door Type B on sheet A601 is not used in this project.
16. **Clarification:** In addendum 1 it mentions the asphalt walkway and gravel drive in questions 26, 30, and 35. There is still some confusion on whether these will be part of the bid, if so, will new drawings be provided to show the full extent of the walkway/drive and will a new bid form be provided that includes the new alternates for each?
 - a. **Response:** The asphalt walkway and gravel drive is not be constructed with this set of plans. Therefore they should not be included in the bid nor as alternates.
17. **Clarification:** Sheet ID211, on multiple details, it calls for vinyl wall covering, and in the same area it calls for P-3 paint. Can you give some clarification on this?
 - a. **Response:** Any paint tags on the vinyl wall covering are indicating the color for the vinyl wall covering. The colors of the vinyl wall covering are to match the paint colors noted on the finish legend. Please refer to revised spec section 101423 panel signage for more information.

18. **Clarification:** Referring to RFP # 17-229-201 Appendix B, X. American Products, page 19 of 33. Also referring to Sheet P502, 15B Material and Workmanship, the second paragraph “Pipe, pipe fittings, pipe specialties and valves shall be manufactured in plants located in the United State.” Please provide some clarifications if plumbing fixtures, and piping, are required to by Buy American.
- a. **Response:** Please provide American made products per the specifications. If you have any additional questions or issues with finding these products, please refer back to the Raymore Activity Center RFP for further direction.

Addendum No. 1 – Specifications:

1. SECTION 00 41 13 – BID FORM

- a. REPLACE section in its entirety with attached section with the same name and number.

2. SECTION 01 23 00 – ALTERNATES

- a. REVISE 3.1 A. to read as follows
 - i. “Deduct Alternate No. 1: Entry Trellis & Wood Canopy.”

3. SECTION 08 71 00 – DOOR HARDWARE

- a. DELETE door 104 from hardware Set 3.0

4. SECTION 09 65 19 – RESILIENT SPORTS FLOORING

- a. ADD the following to list of manufacturers after 2.3 A. 2.
 - i. “Shaw Rexcourt 6.5”
 - ii. “Regents Flooring Rec 60 by Gerflor”

5. SECTION 09 66 26 – RESINOUS MATRIX TERRAZZO FLOORING

- a. REVISE number on section header to read as follows
 - i. “Section 09 66 26”
- b. REVISE table of contents section 09 66 26 title to read as follows
 - i. “Epoxy Resin Flooring and Base”

6. SECTION 10 14 23 – PANEL SIGNAGE

- a. ADD the following after section 1.2 A. 1.
 - i. “Field-applied, vinyl-character signs.”
- b. ADD the following section after section 2.3 D.
 - i. “FIELD-APPLIED, VINYL-CHARACTER SIGNS.”
 1. “Field-Applied, vinyl-Character Sign VG-1: Prespaced characters die cut from 3- to 3.5-mil (0.076- to 0.089-mm) thick, weather-resistant vinyl film with release liner on the back and carrier film on the front for on-site alignment and application.”
 - a. “Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:”
 - i. “APCO Graphics, Inc.”
 - ii. “Mohawk Sign System.”
 - b. “Size: As indicated.”
 - c. “Substrate: Doors and Walls.”
 - d. “Graphics, Color, and Shapes: As indicated.”
- c. ADD the following paragraph after 2.5 A.

- i. “Adhesives: As recommended by sign manufacturer and with a VOC content of 70 g/L or less for adhesives used inside the weatherproofing system and applied on-site when calculated according to 40 CFR 59, Subpart D (EPA Method 24).”
- d. ADD the following paragraph after paragraph 3.2 C. 1.
 - i. “Adhesive: Clean bond-breaking materials from substrate surface and remove loose debris. Apply linear beads or spots of adhesive symmetrically to back of sign and of suitable quantity to support weight of sign after cure without slippage. Keep adhesive away from edges. Place sign in position, and push to engage adhesive. Temporarily support sign in position until adhesive fully sets.”
- e. ADD the following paragraph after paragraph 3.2 C.
 - i. “Field-Applied, Vinyl-Character Signs: Clean and dry substrate. Align sign characters in final position before removing release liner. Remove release liner in stages, and apply and firmly press characters into final position. Press from the middle outward to obtain good bond without blisters or fishmouths. Remove carrier film without disturbing applied vinyl film.”

7. SECTION 11 66 53 – GYMNASIUM DIVIDERS

- a. ADD the following to the Manufacturers list after 2.2 A. 5.
 - i. “AALCO Athletic Equipment: www.aalcomfg.com.”

8. SECTION 13 34 19 – METAL BUILDING SYSTEMS

- a. ADD the following to list of Manufacturers after 2.1 A. 7.
 - i. “Red Dot Buildings.”
 - ii. “Kirby Building Systems; a Nucor Company.”
- b. REVISE 2.2 G. 1. to read as follows.
 - i. “Profile: Flush profile, as Basis of Design.”
- c. REVISE 2.2 G. 2. to read as follows
 - i. “Thickness: 20-gauge minimum.”
- d. REVISE 2.6 A. 1. to read as follows.
 - i. “Material: Zinc-coated (galvanized) or aluminum-zinc alloy coated steel sheet, 20 gauge minimum nominal uncoated steel thickness with 20-24 gauge minimum trim. Prepainted by the coil-coating process to comply with ASTM A755/ A 755M.”
- e. REVISE 2.7 A. 1. To read as follows.
 - i. “Material: Zinc-coated (galvanized) or aluminum-zinc alloy coated steel sheet, 20 gauge minimum nominal uncoated steel thickness with 20-24 gauge minimum trim. Prepainted by the coil-coating process to comply with ASTM A755/ A 755M.”

Addendum No. 1 – Drawings:

- 1. A601 – DOOR AND STOREFRONT TYPES AND SCHEDULES (Replace sheet in its entirety with the attached)**
 - a. REVISED door schedule
 - i. Door 104 is now door 112A
 - ii. Door 112A is door type A
 - iii. Door Type B is “not used”
- 2. E111 – LIGHTING RCP (Replace sheet in its entirety with the attached)**
 - a. Added keyed notes #6 and #7
 - b. Added emergency lighting fixture on exterior of building at main entrance. Provided with remote battery backup in vestibule.
- 3. E203 – ELECTRICAL SCHEDULES (Replace sheet in its entirety with the attached)**
 - a. Added fixture EM
 - b. Revised description of fixture F4E
- 4. FP202 – FIRE PROTECTION DETAILS (Replace sheet in its entirety with the attached)**
 - a. REMOVED backflow preventer from riser detail.
- 5. FP301 – FIRE PROTECTION SPECIFICATIONS (Replace sheet in its entirety with the attached)**
 - a. REMOVED reference to backflow preventer and added check valve to Service Entrance section.

Attachments: 004113, A601, E111, E203, FP202, FP301

Any other questions regarding this proposal shall be submitted to Kim Quade, CPPB by e-mail at kquade@raymore.com or by phone at (816) 892-3045. There will be no questions allowed after February 10th, 2017 at 5 p.m.

I hereby certify that the above have been considered and associated costs have been included in this bid.

Company Name: _____

By: _____

Title: _____

Address: _____

City, State, Zip: _____

Date: _____ Phone: _____

Signature of Bidder: _____

ADDENDUM MUST BE SUBMITTED WITH BID

END OF ADDENDUM

SECTION 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Raymore Parks Activity Center.
- C. Project Location: **1011** S. Madison Street Raymore, Missouri 64083.
- D. Owner: City of Raymore.
- E. Architect: SFS Architecture, Inc.
- F. Architect Project Number: 15930.

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by sfs architecture and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - 1. _____ Dollars
(\$_____).
 - 2. The above amount may be modified by amounts indicated by the Bidder on the attached Document 004323 "Alternates Form."

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:
 - 1. _____ Dollars
(\$_____).
- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 ITEMIZED PRICE BREAKDOWN

A. Provide a breakdown of the bid amount for the following the portions of the Work indicated:

1. Pre-Engineered Metal Building Systems: _____.
2. Resilient Sports Flooring (**MAF-1**) _____.
3. Resilient Sports Flooring (**RV-1**): _____.

1.5 TIME OF COMPLETION

A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Johnson County Parks and Recreation Department, and shall fully complete the Work within 240 calendar days.

1.6 ACKNOWLEDGEMENT OF ADDENDA

A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

1. Addendum No. 1, dated _____.
2. Addendum No. 2, dated _____.

1.7 BID SUPPLEMENTS

A. The following supplements are a part of this Bid Form and are attached hereto.

1. Bid Form Supplement – **Deduct Alternates**:
 - a. **Deduct** Alternate No 1 bid amount: _____.
 - b. **Deduct** Alternate No. 2 bid amount: _____.
2. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.8 CONTRACTOR'S LICENSE

A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in the State of Kansas, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

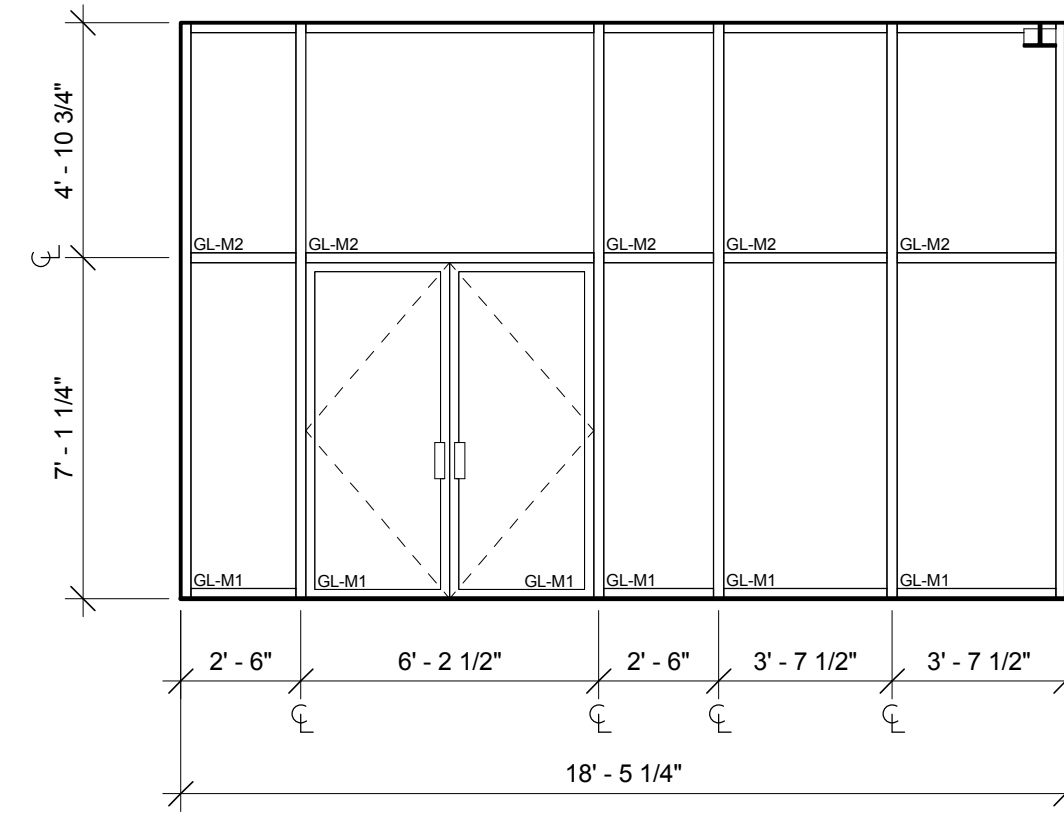
1.9 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 2017.
- B. Submitted By: _____(Name of bidding firm or corporation).
- C. Authorized Signature: _____(Handwritten signature).
- D. Signed By: _____(Type or print name).
- E. Title: _____(Owner/Partner/President/Vice President).
- F. Witness By: _____(Handwritten signature).
- G. Attest: _____(Handwritten signature).
- H. By: _____(Type or print name).
- I. Title: _____(Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____(Affix Corporate Seal Here).

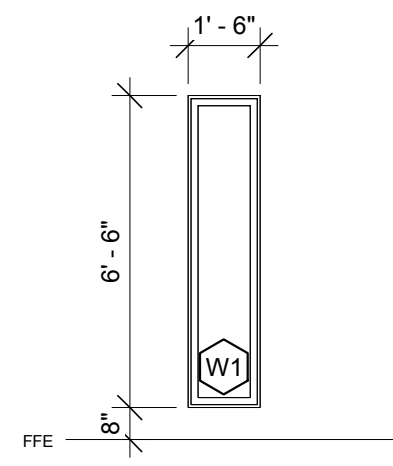
END OF DOCUMENT 004113

1 2 3 4 5

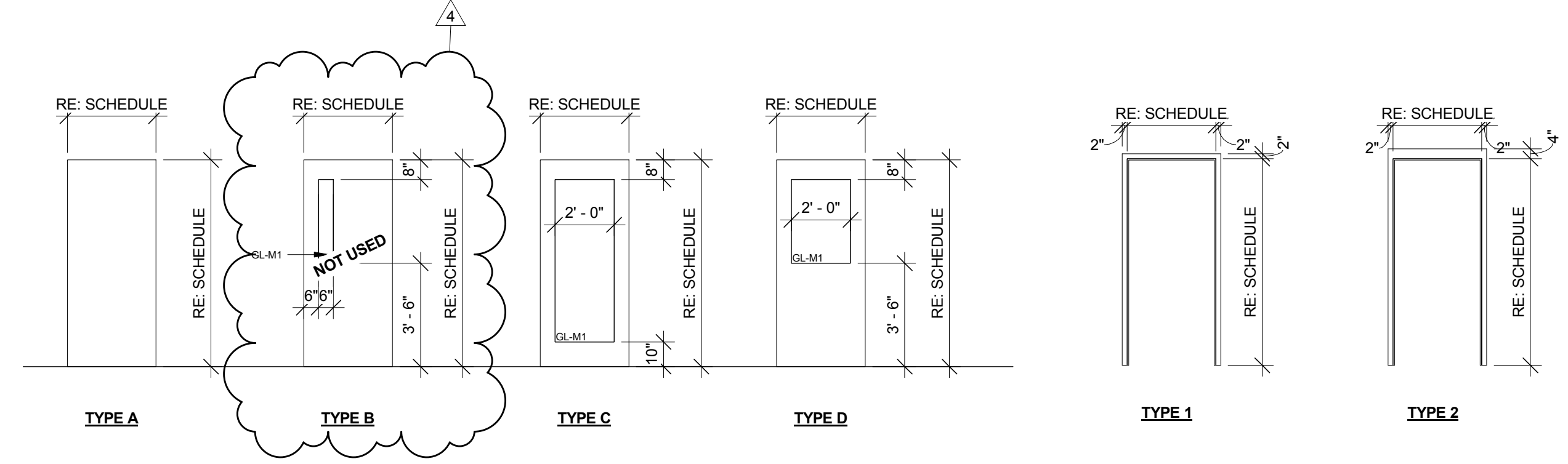
DOOR & FRAME SCHEDULE											
DOOR NUMBER	DOOR					FRAME		GLASS TYPE	FIRE RATING	HARDWARE	REFERENCED GENERAL NOTES
	TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE				
101A	C	ALU.	6'-0"	7'-0"		ALU.	SF-1				CR
101B	C	ALU.	6'-0"	7'-0"		ALU.	SF-3				
102	C	ALU.	6'-0"	7'-0"		ALU.	SF-5				
103	D	WD.	3'-0"	7'-0"	1 3/4"	H.M.	1				
104A	D	WD.	3'-0"	7'-0"	1 3/4"	H.M.	1				CR
104B	D	WD.	3'-0"	7'-0"	1 3/4"	H.M.	1				CR
105	D	WD.	3'-0"	7'-0"	1 3/4"	H.M.	1				CR
106	A	H.M.	3'-0"	7'-0"	1 3/4"	H.M.	1				
107	A	WD.	3'-0"	7'-0"	1 3/4"	H.M.	1				
108	A	WD.	3'-0"	7'-0"	1 3/4"	H.M.	1				
109	A	WD.	3'-0"	7'-0"	1 3/4"	H.M.	1				
111A	A	H.M.	6'-0"	7'-0"	1 3/4"	H.M.	1				
111B	A	H.M.	6'-4"	7'-0"	1 3/4"	H.M.	2				
112A	A	H.M.	6'-4"	7'-0"	1 3/4"	H.M.	2				
122	A	H.M.	6'-0"	7'-0"	1 3/4"	H.M.	1				



6 STOREFRONT - SF5
A601 1/4" = 1'-0"

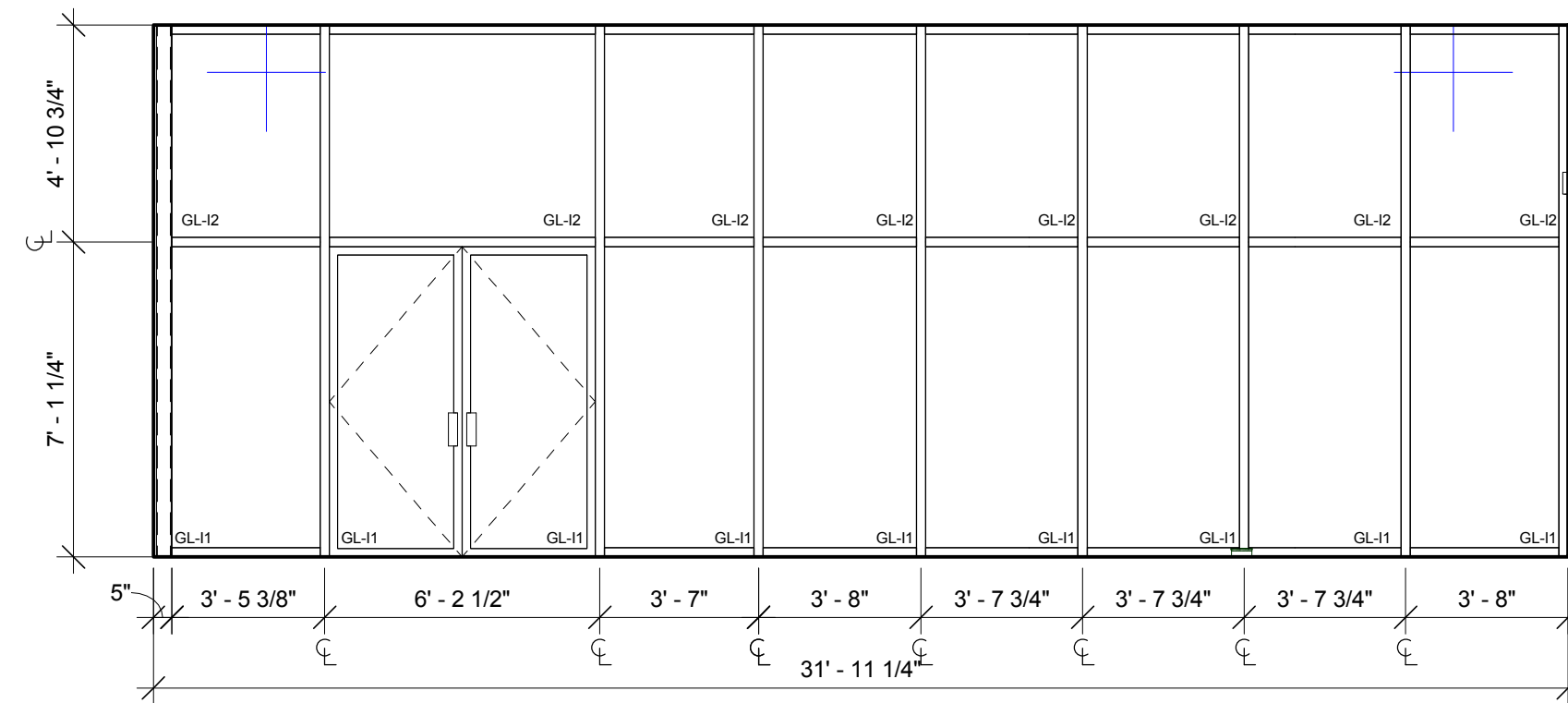


LEGEND - WINDOW TYPE 1
1/4" = 1'-0"

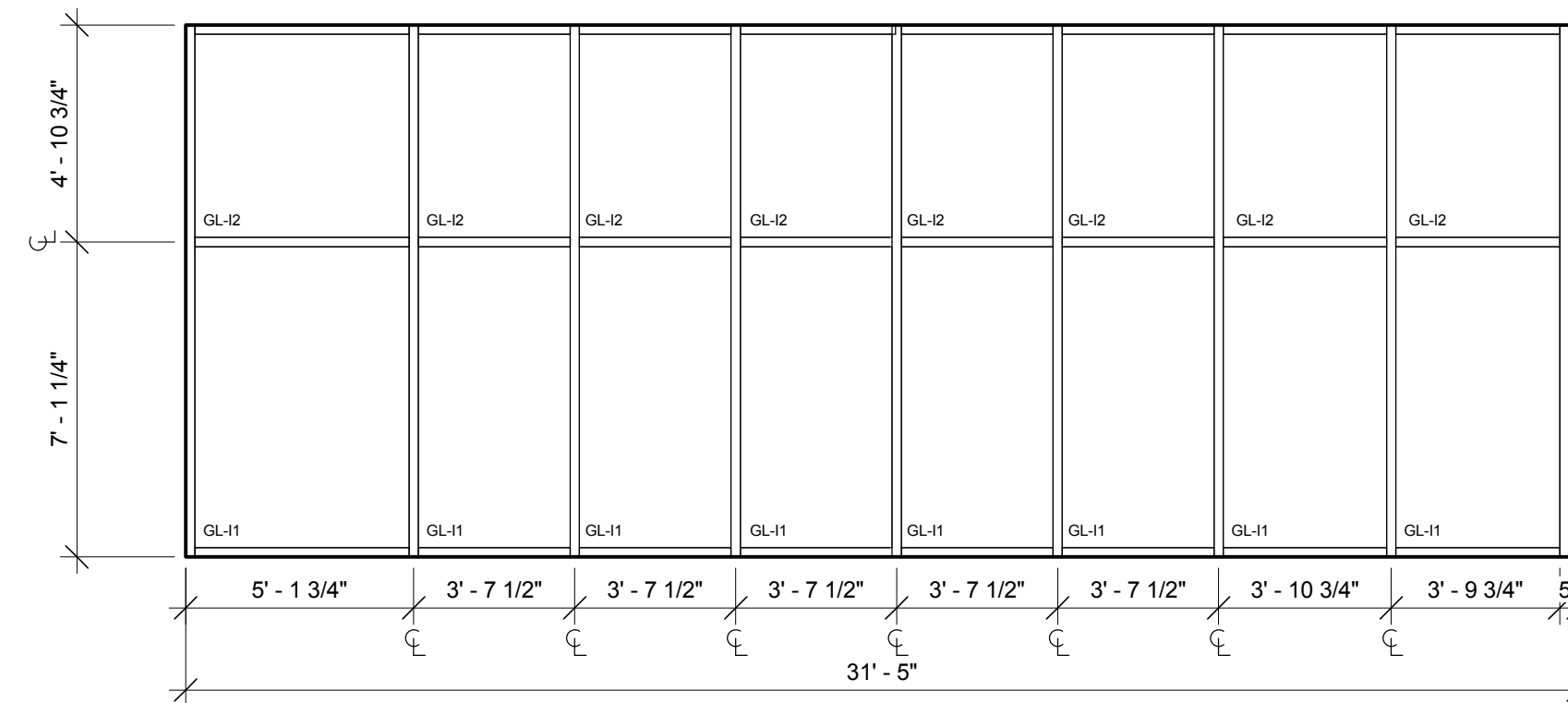


LEGEND - DOOR TYPES
1/4" = 1'-0"

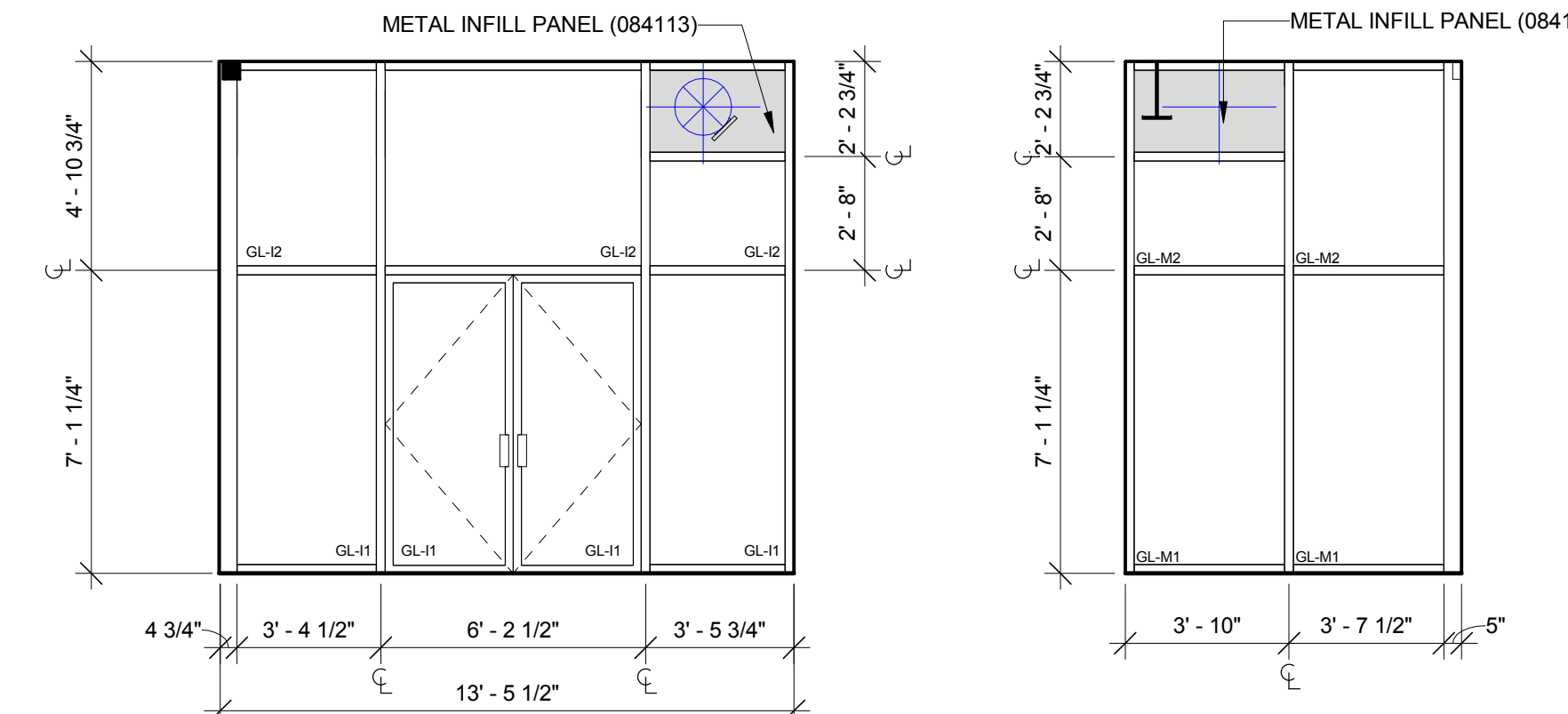
LEGEND - FRAME TYPES
1/4" = 1'-0"



2 STOREFRONT - SF1
A601 1/4" = 1'-0"

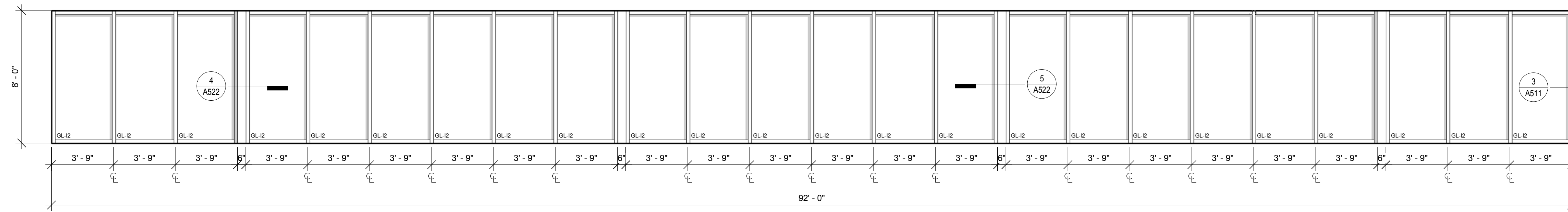


3 STOREFRONT - SF2
A601 1/4" = 1'-0"



4 STOREFRONT - SF3
A601 1/4" = 1'-0"

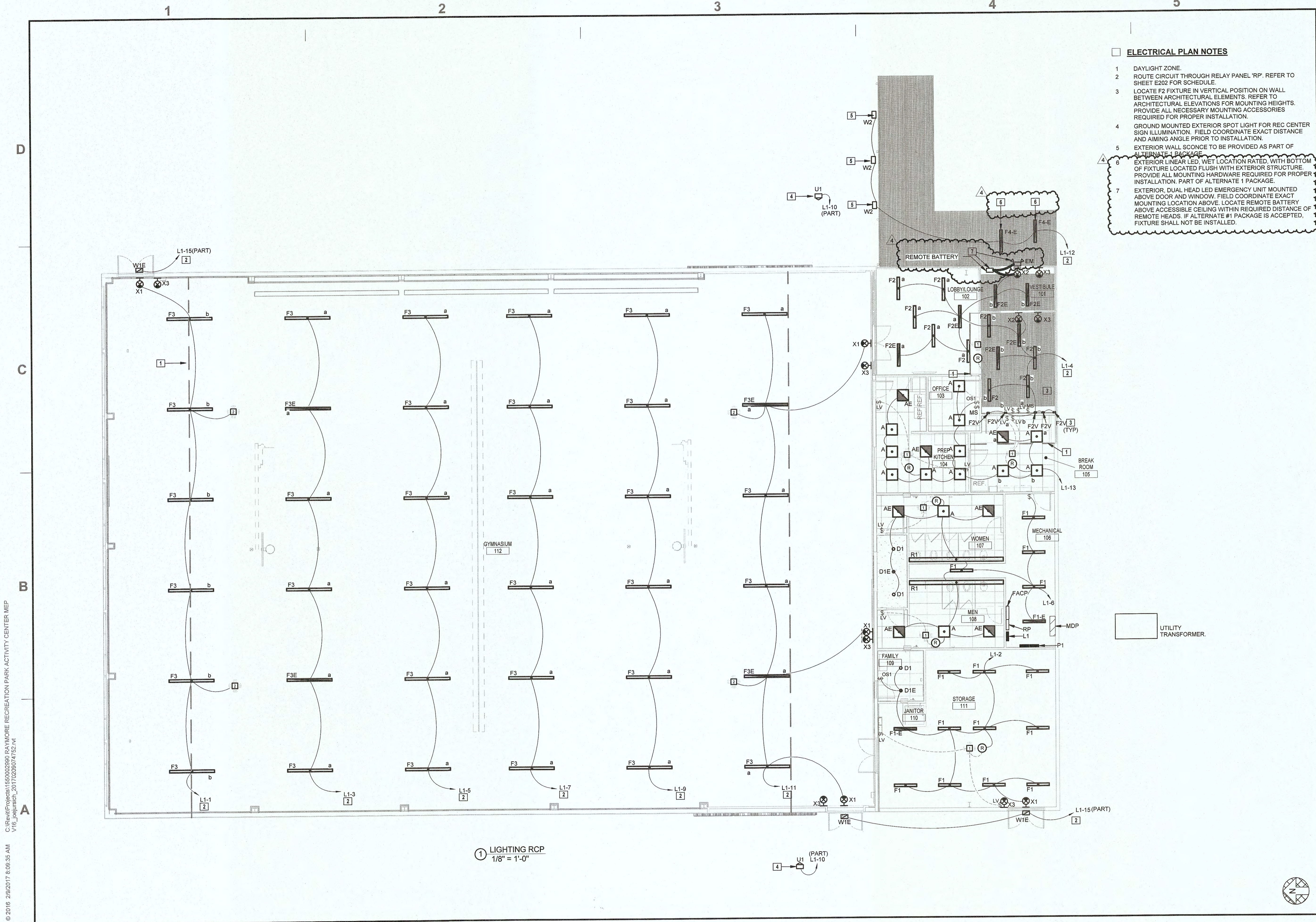
5 STOREFRONT - SF4
A601 1/4" = 1'-0"



1 CLERESTORY
A601 1/4" = 1'-0"



MARK	DATE	DESCRIPTION
4	2/10/17	Addendum No. 2



- ELECTRICAL PLAN NOTES**
- DAYLIGHT ZONE.
 - ROUTE CIRCUIT THROUGH RELAY PANEL 'RP'. REFER TO SHEET E202 FOR SCHEDULE.
 - LOCATE F2 FIXTURE IN VERTICAL POSITION ON WALL BETWEEN ARCHITECTURAL ELEMENTS. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS. PROVIDE ALL NECESSARY MOUNTING ACCESSORIES REQUIRED FOR PROPER INSTALLATION.
 - GROUND MOUNTED EXTERIOR SPOT LIGHT FOR REC CENTER SIGN ILLUMINATION. FIELD COORDINATE EXACT DISTANCE AND AIMING ANGLE PRIOR TO INSTALLATION.
 - EXTERIOR WALL SCONCE TO BE PROVIDED AS PART OF ALTERNATE 1 PACKAGE.
 - EXTERIOR LINEAR LED, WET LOCATION RATED, WITH BOTTOM OF FIXTURE LOCATED FLUSH WITH EXTERIOR STRUCTURE. PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR PROPER INSTALLATION. PART OF ALTERNATE 1 PACKAGE.
 - EXTERIOR, DUAL HEAD LED EMERGENCY UNIT MOUNTED ABOVE DOOR AND WINDOW. FIELD COORDINATE EXACT MOUNTING LOCATION ABOVE. LOCATE REMOTE BATTERY ABOVE ACCESSIBLE CEILING WITHIN REQUIRED DISTANCE OF REMOTE HEADS. IF ALTERNATE #1 PACKAGE IS ACCEPTED, FIXTURE SHALL NOT BE INSTALLED.

RAYMORE ACTIVITY CENTER

City of Raymore
 1101 S. Madison Street
 Raymore, MO 64083

MARK	DATE	DESCRIPTION
1	01.06.17	PLAN REVIEW COMMENTS
2	01.06.17	FIRE REVIEW COMMENTS
4	02.10.17	ADDENDUM 2

SFS PROJECT NO: 15930
 ISSUED FOR: CONSTRUCTION DOCUMENTS
 ISSUE DATE: 01.09.17
 © 2016 SFS ARCHITECTURE
LIGHTING RCP

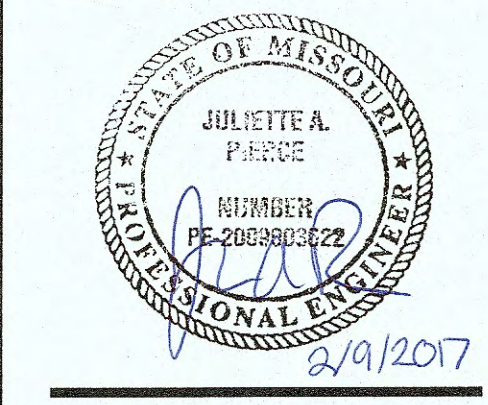
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 JULIETTE A. PIERCE

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER/MODEL #	LAMPS			INPUT WATTS	INPUT VA	DESCRIPTION	NOTES
		NO.	TYPE	VOLT				
A	HE WILLIAMS #LT SERIES COOPER - CORELITE #CLASS R2X SERIES HUBBELL #CAT SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 5,000 LUMENS 50,000 HRS	120	40	44	2'x2' RECESSED LENSED ARCHITECTURAL TROFFER WITH 22-GAUGE COLD ROLLED STEEL FOR GRID CEILING APPLICATIONS. FROSTED ACRYLIC SHIELD. HIGHLY REFLECTIVE NON-GLARE MATTE WHITE POWDER COAT FINISH. PROVIDE WITH 5,000 LUMEN PACKAGE AND DRIVER PREWIRED FOR 0-10V LOW VOLTAGE DIMMING APPLICATIONS.	
AE	HE WILLIAMS #L60 SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 2,000 LUMENS 50,000 HRS	120	40	44	SAME AS TYPE 'A' BUT PROVIDE WITH EMERGENCY BATTERY BACKUP CAPABLE OF A MINIMUM 1000 LUMENS FOR 90 MINUTES.	
D1	HE WILLIAMS #L60 SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 2,000 LUMENS 50,000 HRS	120	27	30	6" RECESSED ROUND DOWNLIGHT WITH CLEAR SEMI-SPECULAR REFLECTOR. 20-GAUGE DIE-FORMED GALVANIZED STEEL FRAME. PRE-WIRED FOR NON-DIMMING APPLICATIONS.	
D1E	HE WILLIAMS #L60 SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 2,000 LUMENS 50,000 HRS	120	27	30	SAME AS TYPE 'D1' BUT PROVIDE WITH EMERGENCY BATTERY BACKUP CAPABLE OF A MINIMUM 1000 LUMENS FOR 90 MINUTES.	
EM	LITHONIA #ELA LED T WP OR APPROVED EQUIVALENT	-	LED 36,000 LUMENS 50,000 HRS	120	12	12	EXTERIOR WALL MOUNT EMERGENCY LIGHTING UNIT WITH TWO-HEADS AND REMOTE BATTERY UNIT. LOCATE BATTERY ABOVE ACCESSIBLE CEILING WITHIN VESTIBULE AREA. BATTERY SHALL BE CAPABLE OF OPERATING LAMPS AT FULL OUTPUT FOR A MINIMUM OF 90 MINUTES. IF ALTERNATE #1 IS ACCEPTED, THIS FIXTURE SHALL BE REMOVED FROM PROJECT AND NOT INSTALLED. COORDINATE FINISH COLOR WITH OWNER.	
F1	HE WILLIAMS #75 SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 3,000 LUMENS 50,000 HRS	120	23	26	4' LED STRIP FIXTURE WITH 22-GAUGE DIE FORMED COLD ROLLED STEEL HOUSING. MAXIMUM HEIGHT OF 2.5". WHITE POLYESTER POWDER COAT FINISH. PROVIDE MOUNTING KITS FOR SUSPEND APPLICATIONS FROM STEEL DECK AND JOISTS. WIRE GUARD.	
F1-E	HE WILLIAMS #75 SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 3,000 LUMENS 50,000 HRS	120	23	26	SAME AS TYPE 'F1' BUT PROVIDE WITH EMERGENCY BATTERY BACKUP CAPABLE OF A MINIMUM 1000 LUMENS FOR 90 MINUTES.	
F2	LUMENWERX #VIA1.5	-	LED 80 CRI, 3500K 500 LMS/FT	120	24	25	4' LINEAR STRIP FIXTURE. SURFACE MOUNTED.	
F2-E	LUMENWERX #VIA1.5	-	LED 80 CRI, 3500K 500 LMS/FT	120	24	25	SAME AS TYPE 'F2' BUT PROVIDE WITH EMERGENCY BATTERY BACKUP CAPABLE OF A MINIMUM 1000 LUMENS FOR 90 MINUTES.	
F2-V	LUMENWERX #VIA1.5	-	LED 80 CRI, 3500K 350 LMS/FT	120	17	18	4' LINEAR STRIP FIXTURE. SURFACE MOUNTED, VERTICAL POSITION.	
F3	COOPER METALUX #ILED SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 22,000 LUMENS 50,000 HRS	120	148	164	8' HIGH BAY LINEAR STRIP WITH WIDE DISTRIBUTION. DIE-FORMED COLD ROLLED STEEL WITH WIDE DISTRIBUTION. PROVIDE WITH (2) DRIVERS, WIRE GUARD AND CHAIN HANG ACCESSORIES. BOTTOM OF FIXTURE IS EVEN WITH BOTTOM OF STRUCTURAL BEAMS.	
F3-E	COOPER METALUX #ILED SERIES OR APPROVED EQUIVALENT	-	LED 80 CRI, 3500K 22,000 LUMENS 50,000 HRS	120	148	164	SAME AS TYPE 'F3' BUT PROVIDE WITH EMERGENCY BATTERY BACKUP CAPABLE OF A MINIMUM 1000 LUMENS FOR 90 MINUTES.	
F4-E	LUMENWERX #VIAWETS	-	LED 80 CRI, 3500K 750 LMS/FT	120	34.5	39	4' LINEAR STRIP FIXTURE WITH WET LISTING WITH EMERGENCY BATTERY BACKUP CAPABLE OF A MINIMUM 1000 LUMENS FOR 90 MINUTES. PART OF ALTERNATE #1.	
R1	LUMENWERX #VIA 3 PERIMETER SERIES	-	LED 80 CRI, 3500K 750LMS/FT	120	9/FT	10/FT	3" CONTINUOUS COVE LIGHT RECESSES AT WALL/CEILING INTERSECTION.	
U1	EATON #LUMARK	-	LED 70 CRI, 4000K 9,500 LUMENS	UNV	129	135	EXTERIOR LED GROUND MOUNTED FLOODLIGHT WITH DIE-CAST ALUMINUM HOUSING. PROVIDE WITH TOP AND SIDE VISORS AND STANDARD BRONZE FINISH. FIELD VERIFY EXACT MOUNTING DISTANCE FROM BUILDING AND AIMING ANGLE TO ILLUMINATE BUILDING SIGNAGE.	
W1E	COOPER LUMARK #XTOR MAXX LED SERIES	-	LED 80 CRI, 4000K 6,000 LUMENS 75,000 HRS	120	58	60	EXTERIOR LED WALL PACK WITH REFRACTIVE LENS CAPABLE OF OPERATION IN TEMPERATURES BETWEEN -40 AND 40 DEGREES CELCIUS. CARBON BRONZE FINISH. PROVIDE WITH COLD WEATHER EMERGENCY BATTERY PACK CAPABLE OF A MINIMUM 468 LUMENS FOR 90 MINUTES. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.	
W2	TECH LIGHTING #TEGEL 12	-	LED 80 CRI, 4000K 2,400 LUMENS 75,000 HRS	UNV	30	32	EXTERIOR LED DIRECT-INDIRECT WALL SCONCE WITH LENS CAPABLE OF OPERATION IN TEMPERATURES BETWEEN -40 AND 40 DEGREES CELCIUS. CARBON BRONZE FINISH. 36 DEGREE BEAM SPREAD UP AND DOWN. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT. PART OF ALTERNATE #1.	
X1	LITHONIA #LQM SERIES OR APPROVED EQUIVALENT	-	LED	120	1	1.5	UNIVERSAL MOUNT, WHITE EXIT SIGN WITH STENCILED RED LETTERING. UNIVERSAL CHEVRONS, INTEGRAL BATTERY PACK, AND THERMOPLASTIC HOUSING. BATTERY SHALL BE CAPABLE OF OPERATING UNIT FOR A MINIMUM OF 90 MINUTES. PROVIDE WIRE GUARD FOR FIXTURES IN GYM.	
X2	EATON SURE-LITES #EUS SERIES OR APPROVED EQUIVALENT	-	LED	UNV	5	5	SURFACE MOUNT, CLEAR EXIT SIGN WITH RED LETTERING. UNIVERSAL CHEVRONS, INTEGRAL BATTERY PACK, AND THERMOPLASTIC HOUSING. BATTERY SHALL BE CAPABLE OF OPERATING UNIT FOR A MINIMUM OF 90 MINUTES.	
X3	EVERLITE #B-SLX-10-61-R-AF-N OR APPROVED EQUIVALENT	-	-	-	-	-	UNIVERSAL MOUNT EXIT SIGN WITH RED LETTERING. TRITIUM FILLED GAS TUBES REQUIRING NO ELECTRICAL INPUT AND COMPLIANT WITH UL924 STANDARD	

GENERAL NOTES:
A. ANY PROPRIETARY, SOLE-SOURCED LIGHT FIXTURE LISTED IN THE LIGHT FIXTURE SCHEDULE SHALL BE UNIT PRICED ONLY. NO PACKAGING OR LOT PRICING OF THESE LIGHT FIXTURES SHALL BE ALLOWED. UNIT PRICES SHALL BE CLEARLY IDENTIFIED ON THE BID FORM.
B. REPRESENTATIVE AGENTS SHALL BE ALLOWED TO OFFER MINI-LOT PRICING (MLP) FOR LIGHT FIXTURES SPECIFIED IN DIV 16 SHEET SPECS ONLY. REFER TO SPECIFICATION FOR DEFINITION, TERMS AND LIMITATIONS OF MLP.
C. PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED.
D. LIGHTING CONTROLS PRICING, INCLUDING BUT NOT LIMITED TO THOSE REFERENCED IN DIV 16 SHEET SPECS, SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING. ANY LIGHTING CONTROLS PRICING THAT IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNIT OR MINI-LOT) WILL BE IMMEDIATELY REJECTED IN ITS ENTIRETY.
E. VERIFY CEILING CONDITIONS AND COORDINATE LIGHT FIXTURE MOUNTING HARDWARE AND TRIMS NEEDED TO SUIT CEILING CONDITIONS PRIOR TO ORDERING.
F. VERIFY QUANTITIES, MODEL NUMBERS AND DESCRIPTIONS WITH MANUFACTURER PRIOR TO PLACING ORDER.
G. VERIFY FINISH AND COLOR WITH ARCHITECT PRIOR TO PLACING ORDER.
H. REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND ADDITIONAL MOUNTING INFORMATION. CONTACT ARCHITECT IMMEDIATELY IF THERE ARE DISCREPANCIES BETWEEN THE ARCHITECTURAL AND ELECTRICAL LIGHTING PLANS.
I. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBERS ONLY. FIRST READ THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS IN CONJUNCTION WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURES LISTED ARE THE BASIS FOR THE DESIGN.
J. CONTRACTOR SHALL PROVIDE ALL LIGHT FIXTURES UNLESS NOTED OTHERWISE.
K. REFER TO LIGHTING CONTACTOR OR RELAY SCHEDULE AND PANELBOARD SCHEDULES FOR CONTROL INFORMATION.



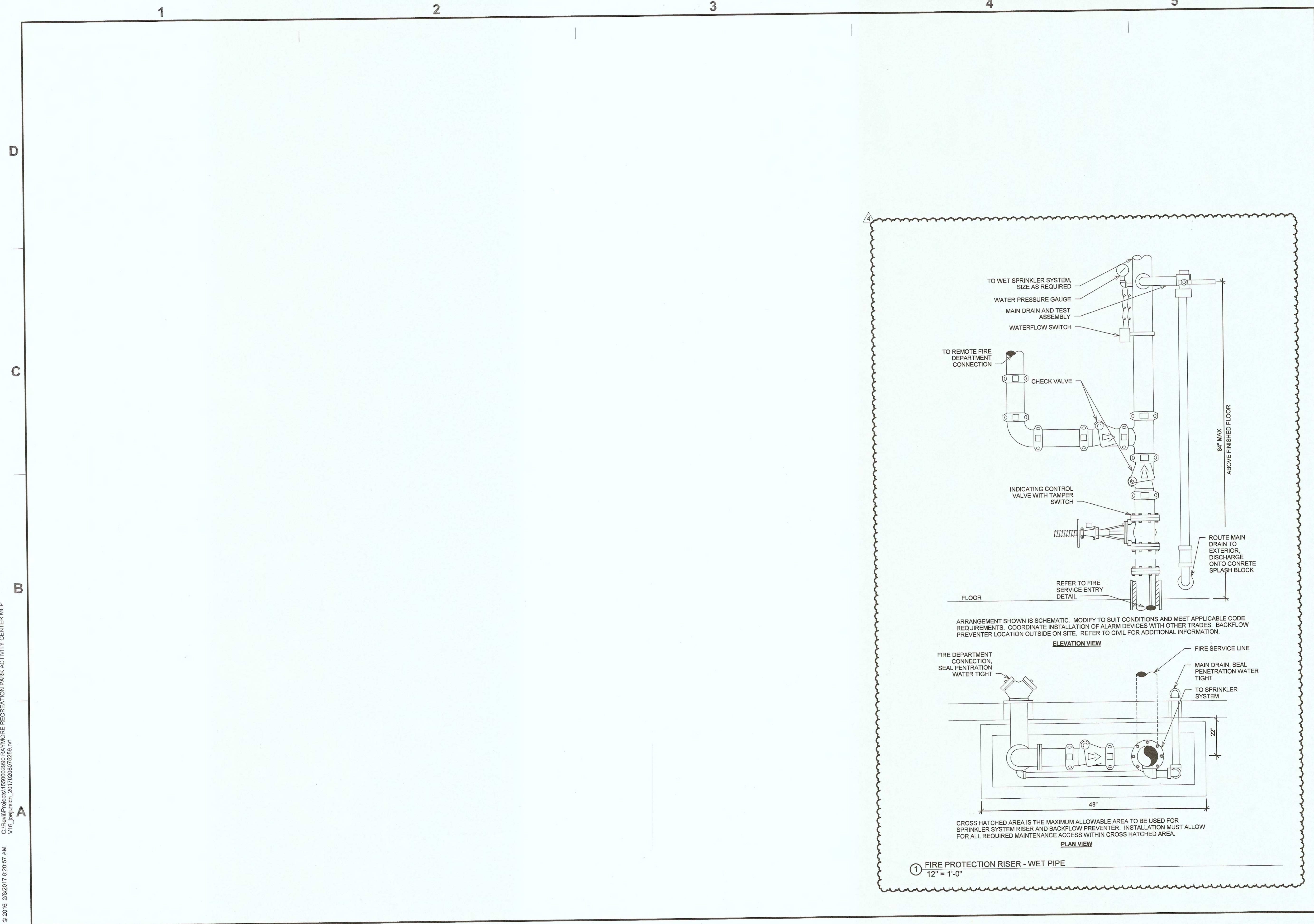
RAYMORE ACTIVITY CENTER
City of Raymore
1101 S. Madison Street
Raymore, MO 64083

MARK	DATE	DESCRIPTION
1	01.06.17	PLAN REVIEW COMMENTS
2	01.06.17	FIRE REVIEW COMMENTS
4	02.10.17	ADDENDUM 2

SFS PROJECT NO: 15930
ISSUED FOR: CONSTRUCTION DOCUMENTS
ISSUE DATE: 01.06.17
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ELECTRICAL SCHEDULES

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JULIETTE A. PIERCE



MARK	DATE	DESCRIPTION
4	02.10.17	ADDENDUM 2

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