SOLUM LANG
architects, llc

Addendum #3

To:	Larson Construction	Project:	East Hall Renovation
Date:	08.18.2025	Project #:	25030
Owner:	Kirkwood Community College	Transmit Via:	Email

The information contained in this Addendum modifies, supplements, or replaces information contained in the original Permit Set dated July 23rd, 2026, as noted below. This information is hereby made a part of the Construction Documents.

Acknowledge receipt of this Addendum by placing the appropriate addendum number in the blank on the Bid Form. Failure to do so may subject the bidder to disqualification.

GENERAL CLARIFICATIONS

ITEMS APPLICABLE TO THE Project in General:

1. **BID OPENING**
   a. **REMINDER:** Bidders shall submit their completed Bid Form, as provided in the specifications, in a sealed envelope to Larson Construction, 333 1st Street East, Cedar Rapids, Iowa, no later than **2:00 p.m.** At that time, bids will be publicly opened and read aloud.
   If you wish to observe the bid opening remotely, please use the following Microsoft Teams link:
   Join the meeting now
   Meeting ID: 288 816 927 687 944
   Passcode: Af2wi3vk

2. **TESTING & BALANCING & COMMISSIONING**
   a. By Owner. Not in project scope.

3. **ALL BID PACKAGES**
   a. Each bid package is responsible for their own cutting and patching to perform their own work. Each bid package is also responsible to coordinate with the CM and Owner items that are scheduled to be demolished and salvaged to the Owner.

4. **BID PACKAGE #3**
   a. Reference Sheet A000 for temporary partitions. This bid package is responsible for the installation and removal of temporary partitions as noted on this sheet.

SPECIFICATIONS

INFORMATION RELATED TO Specifications:

1. **SECTION 017000 – EXECUTION AND CLOSEOUT REQUIREMENTS**
   a. **DELETE** Paragraph 3.13.B.2.e.

2. **SECTION 27 00 10 – COMMUNICATIONS GENERAL PROVISIONS**
   a. **REVISE**: Replace entire section with attached section 27 00 10.

3. **SECTION 27 05 28 – CABLE TRAY PATHWAYS FOR COMMUNICATIONS SYSTEMS**
   a. **REVISE**: Replace entire section with attached section 27 05 28.

4. **SECTION 27 05 33 – IDENTIFICATION FOR COMMUNICATIONS SYSTEMS**
   a. **DELETE**: Entire Section. Technology cabling and identification is to be by the Owner's vendor.

5. **SECTION 27 12 00 – COMMUNICATIONS TESTING AND DOCUMENTATION**
   a. **DELETE**: Entire Section. Technology cabling and testing is to be by the Owner's vendor.

6. **SECTION 27 15 00 – COMMUNICATIONS HORIZONTAL CABLING AND CONNECTIVITY**
   a. **DELETE**: Entire Section. Technology cabling is to be by the Owner's vendor.

DRAWINGS

INFORMATION RELATED TO Drawings:

ARCHITECTURAL

1. **SHEET AD112.B – Demolition Floor Plan – Level 2 – Area B**
   a. **DELETE** existing reception desk and Keynote 12 from Lobby 2001.
   b. **REVISE** Keynote 12 as follows, "EXISTING WALL - DEMOLISH & REMOVE SECTION OF WALL TO ACCOMMODATE NEW 7'-2" HIGH OPENING."
   c. **ADD** Keynote 12 to Floor Plan as shown on attached AD112.B.

2. **SHEET A112.A – New Floor Plan Level 2 – Area A**
   a. **ADD** Keynote 12 as shown on attached.

3. **SHEET A201 – New Exterior Elevations**
   a. **REVISE** Exterior signage as shown.

4. **SHEET A131.A – New Finish Plan – Level 1 – Area A**
   SHEET A131.B – New Finish Plan – Level 1 – Area B
   SHEET A132.A – New Finish Plan – Level 2 – Area A
   SHEET A132.B – New Finish Plan – Level 2 – Area B
   a. **REVISE** Accent Paint in Legend as shown on attached A132.B.
   b. **ADD** Accent Paint 7 to "New Work Finish Plan – Level 2 – Area B (Northwest)" as shown on attached A132.B.

5. **SHEET A401 – Interior Elevations**
   SHEET A402 – Interior Elevations
   a. **REVISE** Keynote 22 as follows, "NEW FIBER CEMENT BOARD PANELS. PAINT TO MATCH EXISTING."

6. **SHEET A601 – Room Finish Schedule & Legend**
   a. **ADD** color selection for PT-2, see schedule.
   b. **REVISE** color selection for PT-3, see schedule.
   c. **ADD** Accent Paint 7, see schedule.

STRUTURAL

1. **SHEET S111.A – STRUCTURAL FRAMING PLANS**
   a. **CLARIFICATION**: All exterior steel members shall be galvanized.

MEP

1. **SHEET M121.A – DUCTWORK PLAN – LEVEL 1 – AREA A**
   a. **ADD**: Humidity sensors to rooms: OFFICE 1002K, BREAK ROOM 1002L, MAIL 1008
   b. **REVISE**: Temperature sensors to be combination temperature and humidity sensors in rooms: VP OFFICE 1004B, SENIOR OFFICE 1004A, EXEC OFFICE 1004D, EXEC OFFICE 1004C.

2. **SHEET M122.A – DUCTWORK PLAN – LEVEL 2 – AREA A**
   a. **REVISE:** Temperature sensors to be combination temperature and humidity sensors in rooms: CLASSROOM 1A 2068A, OFFICE 2072C, OFFICE 2072G, OFFICE 2072I and BREAK ROOM 2062.

3. **SHEET M510 – MECHANICAL SCHEDUELS**
   a. **REVISE:** "VARIABLE AIR VOLUME TERMINALS - ELECTRIC REHEAT" schedule coil kW requirements changed for all units. See attached sheet M510 for more information.
   b. **REVISE:** "VARIABLE AIR VOLUME TERMINALS - ELECTRIC REHEAT" schedule heating CFM requirements for all RTU-32 units. See attached sheet M510 for more information.

4. **SHEET FX112.B – FIRE SUPPRESSION PLAN – LEVEL 2 – AREA B**
   a. **ADD:** Entire Sheet.

5. **SHEET FXD112.B – FIRE SUPPRESSION DEMOLITION PLAN – LEVEL 2 – AREA B**
   a. **ADD:** Entire Sheet.

6. **SHEET E000 – Electrical Notes and Symbols**
   a. **REVISE:** General Electrical Demolition Notes

7. **SHEET E111A – LIGHTING PLAN – LEVEL 1 – AREA A**
   a. **ADD:** Occupancy sensor to Vestibule 1000.
   b. **REVISE:** Circuit assignment for exit sign in Break Room 1001.
   c. **REVISE:** Circuit assignment for exit sign in Hall 1003.

8. **SHEET E112.A – LIGHTING PLAN – LEVEL 2 – AREA A**
   a. **REVISE:** Circuit assignment for fixture type LFA in Lounge 2064.
   b. **REVISE:** Lighting control zones in Collaboration 2066.
   c. **REVISE:** Occupancy sensor location in Storage 2070A.

9. **SHEET E112.B – LIGHTING PLAN – LEVEL 2 – AREA B**
   a. **REVISE:** Circuit assignment for fixture type LB4 in Lobby 2001.

10. **SHEET T000 – Technology Notes and Symbols**
    a. **REVISE:** General Technology Notes
    b. **REVISE:** Technology Notes

11. **SHEET T111.A – Technology Plan – Level 1 – Area A**
    a. **REVISE:** Telecom Room references.
    b. **REVISE:** HBT-10 to HBT-12

12. **SHEET T111.B – Technology Plan – Level 1- Area B**
    a. **REVISE:** Telecom Room references.

13. SHEET T112.A – Technology Plan – Level 2- Area A
- a. **REVISE:** Telecom Room references.
- b. **REVISE:** HBT-10 to HBT-12
- c. **REVISE:** Telecom Room 1013B room number
- d. **REVISE:** Cable Tray routing in Hall 2017.

14. SHEET T112.B – Technology Plan – Level 2- Area B
- a. **REVISE:** Telecom Room references.
- b. **REVISE:** HBT-10 to HBT-12

15. SHEET T500 – Technology Schedules and Details
- a. **REVISE:** Communications Horizontal Cabling Schedule.
- b. **DELETE:** Details T-201, T-202, T-204, T-401, and T-503 and Typical Telecom Rack Elevation. Horizontal cable to be installed by Owner or Owner's vendor.

SUBSTITUTION REQUESTS

None

ATTACHMENTS

Specification Sections:
270010, 270528

Drawings:
AD112.B, A112.A, A201, A601, M121A, M122A, M510, FX112.B, FXD112.B, E000, E111.A, E112.A, E112.B, T000, T111.A, T111.B, T112.A, T112.B, T500

Substitution Requests:
None

Other:
None

BY: Elyse Garlock
Hunter Wille
Blake Anderson, PE
Andy Diederich, PE
Clayton Stewart
Adrienne Schroeder

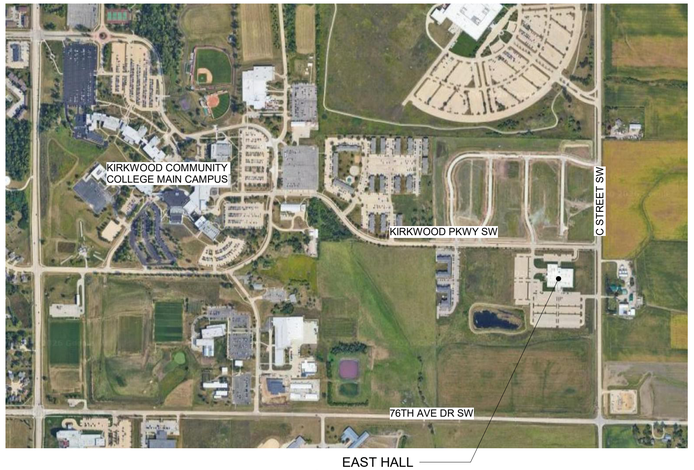
CC: Kirkwood Facilities Team
Design Engineers
M2B Structural Engineers

Kirkwood East Hall - Remodel

1025 Kirkwood Pkwy SW, Cedar Rapids, IA 52404

BID SET 07.23.2026

INDEX



LOCATION MAP

NTS

PROJECT DESCRIPTION

THIS IS A REMODEL OF 50,000 SF ON LEVELS 1 AND 2 OF EAST HALL LOCATED ON THE KIRKWOOD COMMUNITY COLLEGE CAMPUS. THE EXISTING BUILDING IS A 2-STORIES USED FOR GENERAL BUSINESS OCCUPANCY. THE PROJECT SCOPE INCLUDES EXTERIOR SIGNAGE AND THE INTERIOR REMODEL OF EXISTING OFFICE AND SHELL SPACE INTO NEW OFFICES, CONFERENCE ROOMS AND TRAINING SPACES. UPDATES WILL BE MADE TO MECHANICAL AND ELECTRICAL SYSTEMS INCLUDING THE INSTALLATION OF NEW ROOFTOP EQUIPMENT. EXISTING SPRINKLER AND LIFE SAFETY SYSTEMS WILL REMAIN IN PLACE. THE NEW INTERIOR CONSTRUCTION WILL BE DRYWALL WITH STEEL STUDS, BUILT IN CASEWORK, FLOOR, WALL AND CEILING FINISHES.

ALTERNATES

ALTERNATE 01: EXTERIOR SIGNAGE STRUCTURE

- **BASE BID:** NO WORK
- **ALTERNATE:** NEW GROUND MOUNTED - SELF SUPPORTED SIGN ELEMENT W/ NEW CONCRETE FOUNDATION SYSTEM, CUSTOM PERFORATED PANELS, ALUMINUM LETTERS ON STANDOFFS, & LED LIGHTING.

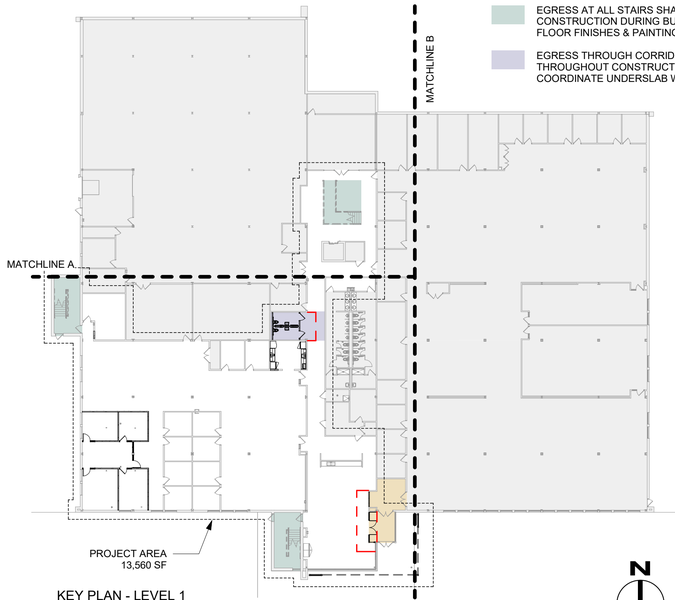
OFF-HOURS CONSTRUCTION

COORDINATE ALL NOISY AND DISRUPTIVE WORK WITH OWNER'S REPRESENTATIVE AND SCHEDULE IT TO OCCUR AFTER REGULAR BUSINESS HOURS OR ON WEEKENDS AND LEGAL HOLIDAYS AS NECESSARY. NOISY AND DISRUPTIVE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
HAMMERING, DRILLING, SAWING AND POUNDING OPERATIONS ON CEILINGS AND FLOORS, UTILITY SHUT DOWNS FOR CHILLED WATER AND/OR WORK THAT CONFLICTS WITH OWNER'S DAY TO DAY ACTIVITIES.

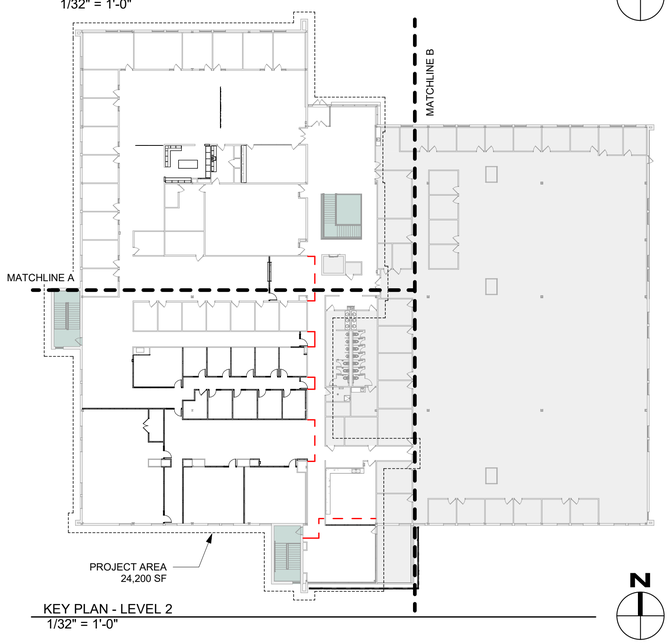
KEY PLANS w/ SPECIAL WORK AREAS

KEY PLANS LEGEND

- TEMPORARY POLYETHYLENE DUST BARRIER. FLOOR TO CEILING, WITH ZIPPER DOOR AND WALK-OFF MAT. BARRIER SHALL NOT REDUCE PATH OF TRAVEL BY MORE THAN 50% OF OVERALL WIDTH.
- ENTRY ACCESS MUST BE MAINTAINED AT ALL TIMES.
- EGRESS AT ALL STAIRS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION DURING BUSINESS HOURS. COORDINATE FLOOR FINISHES & PAINTING WITH OWNER.
- EGRESS THROUGH CORRIDOR SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION DURING BUSINESS HOURS. COORDINATE UNDERSLAB WORK WITH OWNER.



KEY PLAN - LEVEL 1
1/32" = 1'-0"



KEY PLAN - LEVEL 2
1/32" = 1'-0"

PRINT IN COLOR

BID SET

03

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Contact: Dwight Schumm

Structural Engineer
M2B Structural Engineers, LLP
422 20nd Ave SE
Cedar Rapids, IA 52401
t. 319.364.0666
Contact: Michael Brenneman

ALBERT C. BUCK 06302 IOWA LICENSED ARCHITECT

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly licensed architect under the laws of the State of Iowa.

Name: Albert C. Buck
Discipline: Architecture
License Renewal Date: 06.30.2028

Issue Date: 07.23.2026

Sheets or pages covered by this seal: **"A" Sheets**

Signature:_____

LICENSED PROFESSIONAL ENGINEER Dwight Clopton Schumm 13694 IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Name: Dwight Clopton Schumm
Iowa Registration No. 13694
License Renewal Date: 12.31.2027

Issue Date: 07.23.2026

Sheets or pages covered by this seal: **"FX", "P", "M", "E", "FA", & "T" Sheets**

Signature:_____

LICENSED PROFESSIONAL ENGINEER Michael D. Brenneman P13013 IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Name: Michael D. Brenneman
Iowa Registration No. P13013
License Renewal Date: 12.31.2027

Issue Date: 07.23.2026

Sheets or pages covered by this seal: **"S" Sheets**

Signature:_____

SOLUM LANG ARCHITECTS
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REVISION ISSUE DATE & TITLE
02 08.11.26 ADD. 02
03 08.18.26 ADD. 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

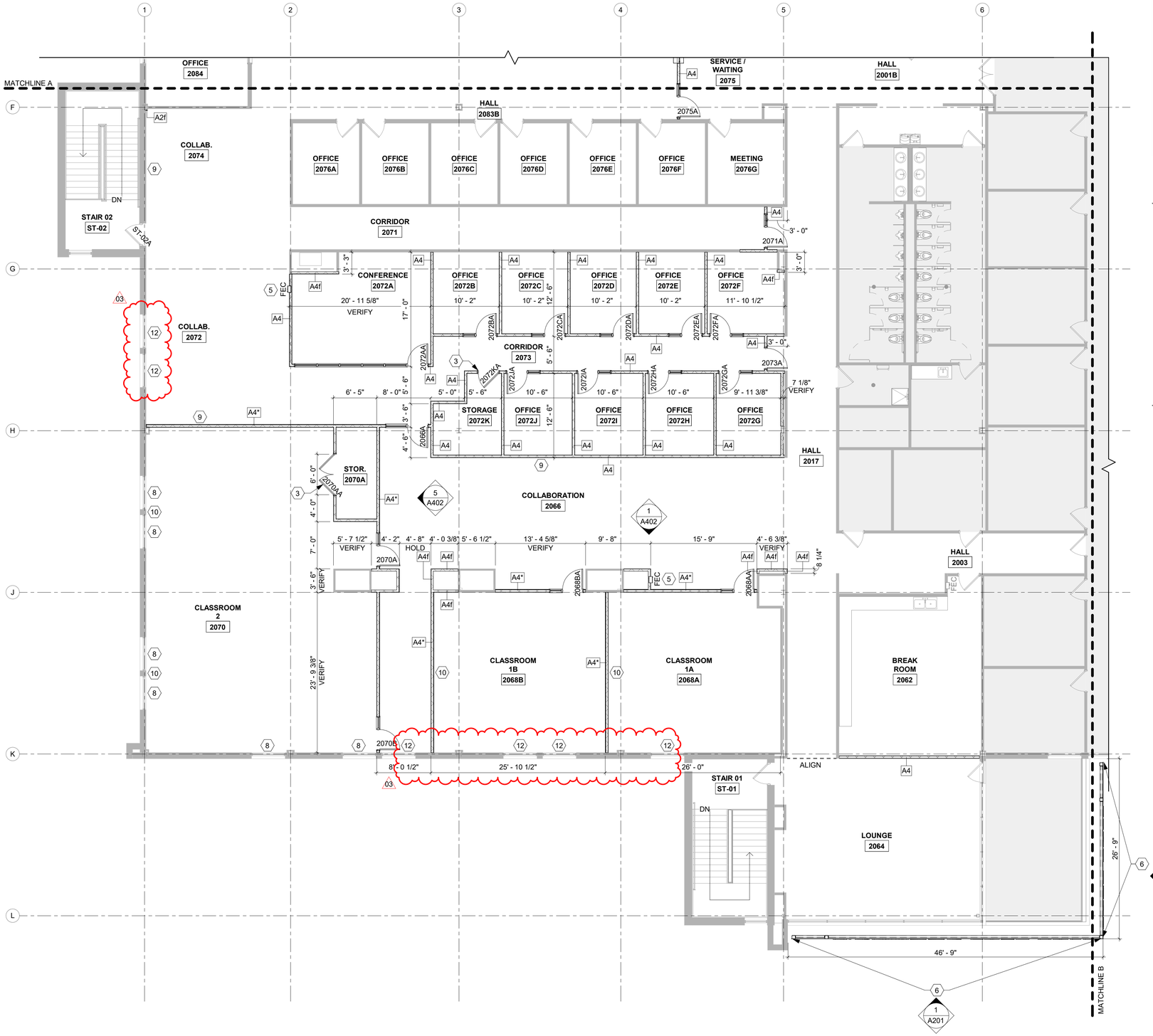
Kirkwood East Hall - Remodel

Cover Sheet

DATE
07.23.2026

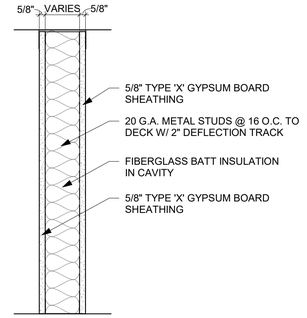
DRAWING NUMBER
A000

PROJECT NUMBER
25030



1 A112.A NEW WORK FLOOR PLAN - LEVEL 2 - Area A (Southwest)
1/8" = 1'-0"

WALL TYPE KEY	
	METAL STUD SIZE
2	1 5/8"
3	2 1/2"
4	3 5/8"
6	6"
8	8"
10	10"
ASSEMBLY SYMBOLS	
*	RESILIENT CHANNEL - ON TAG SIDE
f	FURRING WALL (GYP. BOARD ON TAG SIDE ONLY)



GENERAL NOTES

1. CONTRACTORS & MATERIAL SUPPLIERS SHALL FIELD VERIFY ALL EXISTING DIMENSIONS & CONDITIONS ASSOCIATED WITH THE WORK & REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY, PRIOR TO COMMENCING WORK.
2. REFERENCE ENGINEERING DRAWINGS FOR ALL MECHANICAL, ELECTRICAL, & PLUMBING WORK.
3. DIMENSIONS TAKEN FROM FINISH FACE OF WALL & EXTERIOR FACE OF STRUCTURE UNLESS NOTED OTHERWISE.
4. WINDOWS, SILLS, & SHADES - MAINTAIN & PROTECT EXISTING THROUGHOUT UNLESS NOTED OTHERWISE.
5. FINISHES - MAINTAIN & PROTECT ALL EXISTING FINISHES TO REMAIN UNLESS NOTED OTHERWISE. REPLACE & REPAIR ALL DAMAGE DUE TO CONSTRUCTION.
6. CAULK & SEAL ALL EXISTING OPENINGS & WINDOW SILLS.
7. ALL NEW WALL CONSTRUCTION UP TO STRUCTURE.
8. PATCH / REPAIR & SKIM COAT EXISTING WALLS AS NECESSARY TO ACHIEVE SMOOTH, EVEN SURFACE.
9. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING CODE REQUIRED EGRESS DURING CONSTRUCTION.
10. PATCH, BLEND, & REPAIR AT LOCATIONS OF EXISTING WALLS DEMOLISHED AND EXPOSED. PREP FOR FINISH.

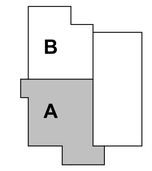
FLOOR PLAN LEGEND

- NOT IN PROJECT SCOPE - MAINTAIN & PROTECT ALL EXISTING.
- NEW WALL - SEE 'CODE REVIEW & WALL TYPES' SHEET.
- EXISTING WALL - MAINTAIN & PROTECT.
- NEW WINDOW.
- EXISTING WINDOW - MAINTAIN & PROTECT.
- NEW DOOR & FRAME - SEE DOOR SCHEDULE.
- EXISTING DOOR & FRAME - MAINTAIN & PROTECT.
- NEW CONSTRUCTION.
- EXISTING CONSTRUCTION - MAINTAIN & PROTECT.
- FEC — EXISTING FIRE EXTINGUISHER CABINET - MAINTAIN & PROTECT.
- FEC — NEW FIRE EXTINGUISHER CABINET.

FLOOR PLAN KEYED NOTES

1. HANGING PANEL SPACE DIVIDERS. SEE INTERIOR ELEVATIONS & FINISH PLANS.
2. NEW CASEWORK. SEE INTERIOR ELEVATIONS.
3. EXISTING DOOR & FRAME - REINSTALL SALVAGED.
4. NEW PLUMBING FIXTURES. SEE PLUMBING DRAWINGS.
5. EXISTING FIRE EXTINGUISHER CABINET - REINSTALL SALVAGED.
6. NEW EXTERIOR SIGN STRUCTURE. SEE STRUCTURAL.
7. NEW TRANSACTION TOP. SEE INTERIOR ELEVATIONS.
8. NEW MOTOR OPERATED ROLLER SHADES. SEE WINDOW ELEVATIONS FOR EXISTING WINDOW DIMENSIONS.
9. NEW TV BY OWNER. SEE ELECTRICAL & TECHNOLOGY PLANS.
10. NEW CEILING MOUNTED PROJECTOR SCREEN BY OWNER. SEE ELECTRICAL & TECHNOLOGY PLANS FOR PROJECTOR LOCATIONS.
11. PATCH / REPAIR & SKIM COAT DEMOLISHED OPENING AS NECESSARY TO ACHIEVE SMOOTH, EVEN SURFACE.
12. PATCH / INFILL CONCRETE AS REQUIRED PER MECHANICAL, ELECTRICAL, & / OR PLUMBING DEMOLITION WORK & INSTALLATION. SEE MEP DRAWINGS.
13. NEW COUNTERTOP ON EXISTING CASEWORK - SEE INTERIOR ELEVATIONS.

.03 12 EXISTING WINDOW SHADES. CONNECT TO POWER. SEE ELECTRICAL.



KEY PLAN

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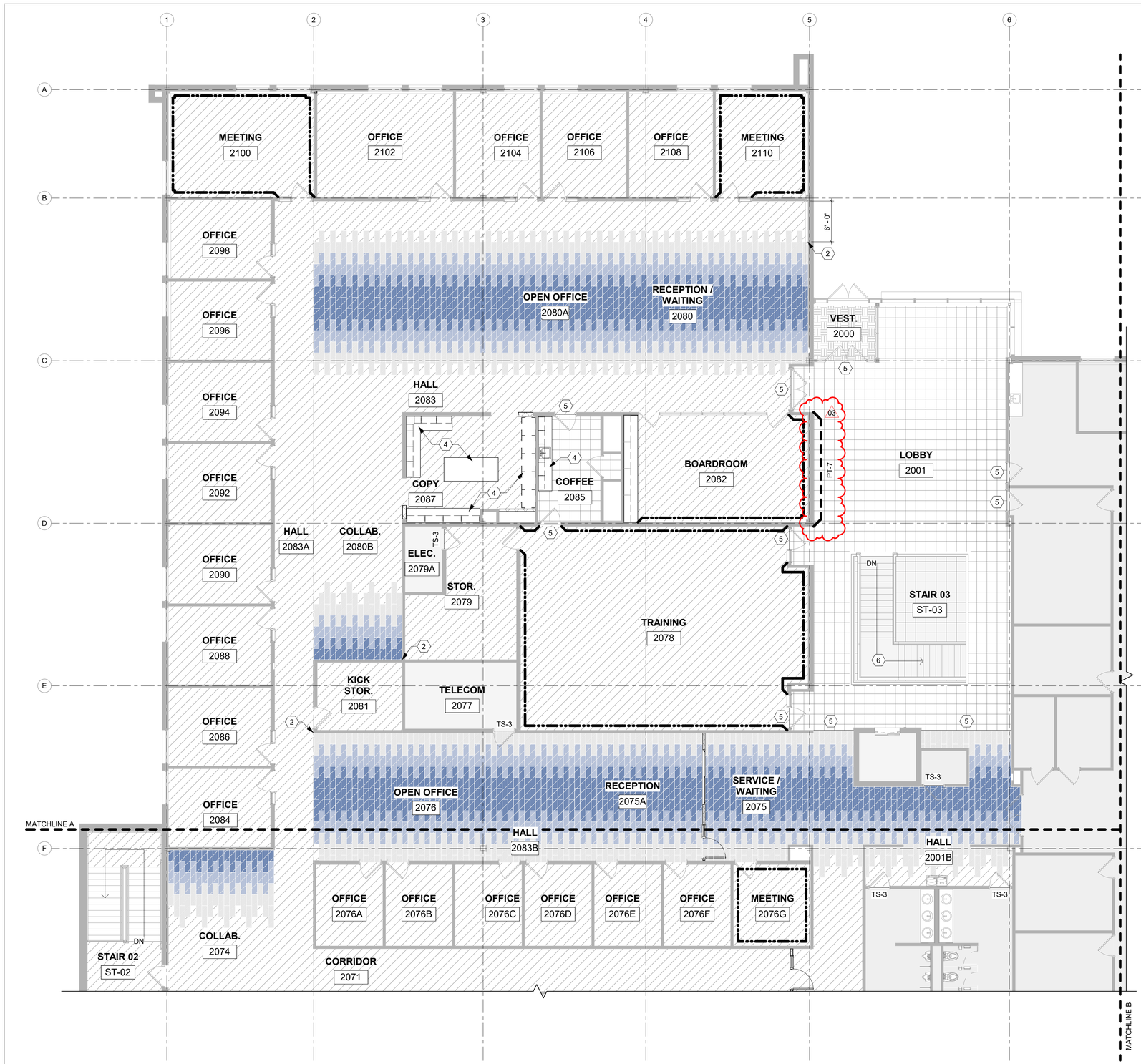
REVISION ISSUE DATE & TITLE
03 08.18.26 ADD. 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
New Floor Plan - Level 2 - Area A

DATE 07.23.2026
DRAWING NUMBER A112.A
BID SET
PROJECT NUMBER 25030



1 A132.B NEW WORK FINISH PLAN - LEVEL 2 - Area B (Northwest)
1/8" = 1'-0"

N

GENERAL NOTES

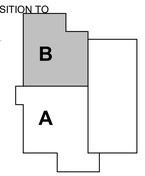
1. IN THE EVENT OF A DISCREPANCY WITH ARCHITECTURAL / CONSULTANT DRAWINGS, NOTIFY ARCHITECT IMMEDIATELY, PRIOR TO COMMENCING WORK.
2. CONTRACTORS & MATERIAL SUPPLIERS SHALL FIELD VERIFY ALL EXISTING DIMENSIONS & CONDITIONS ASSOCIATED WITH THE WORK & REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
3. WHERE EXISTING FLOORING HAS BEEN DEMOLISHED, PROVIDE FLOOR LEVELER TO MAINTAIN SMOOTH EVEN SURFACE ACCEPTABLE FOR NEW FLOORING.
4. ALL FLOOR TRANSITIONS TO BE CENTERED UNDER THE DOOR LEAF.
5. PROVIDE FLOOR LEVELER AS NEEDED BETWEEN DIS-SIMILAR FLOOR FINISHES.
6. RESILIENT BASE TO BE INSTALLED IN ALL ROOMS WITHIN PROJECT SCOPE UNLESS NOTED OTHERWISE.
7. INSTALL ALL FINISHES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8. INSTALL ALL FLOOR FINISHES USING MANUFACTURER'S RECOMMENDED ADHESIVE.
9. SEE FINISH SCHEDULE FOR EXACT FINISH SELECTIONS.
10. INSTALL CORNER GUARDS (CG-1) AT ALL OUTSIDE CORNERS IN PROJECT SCOPE.
11. PAINT ALL EXISTING HOLLOW METAL FRAMES & DOORS IN PROJECT SCOPE (PT-3).

03. LEGEND

- ACCENT PAINT. SEE A601 FOR WALL FINISH LEGEND.
- EPOXY PAINT (EPT-1)
- WALL PORCELAIN CERAMIC TILE (PCT-2)
- SOLID SURFACE CHAIR RAIL (SS-1)
- TRANSITIONS STRIP (TS-#) - SEE ROOM FINISH LEGEND
- FLOORING INSTALL DIRECTION
- NOT IN PROJECT SCOPE - MAINTAIN & PROTECT ALL EXISTING.
- NEW CONSTRUCTION.
- EXISTING CONSTRUCTION - MAINTAIN & PROTECT.
- CARPET (CPT-1)
- CARPET (CPT-2)
- CARPET (CPT-3)
- CARPET (CPT-4)
- WALK-OFF-MAT (WOM-1)
- LUXURY VINYL TILE (LVT-1)
- PORCELAIN CERAMIC TILE (PCT-1)
- EXISTING LUXURY VINYL PLANK (MAINTAIN & PROTECT)

KEYED NOTES

1. NEW GLASS MARKER BOARD PANELS (GMB-1).
   MANUFACTURER: DEKO
   PRODUCT: DIAMOND, MAGNETIC
   SIZE 4' X 8'
   COLOR: TBD
2. ACCENT CARPET STARTING POINT
3. EXISTING LUXURY VINYL TILE - MAINTAIN & PROTECT. REMOVE, CUT, AND REINSTALL PLANKS AS NECESSARY FOR NEW WALL. EXISTING WALL BASE - DEMOLISH & REMOVE. INSTALL NEW WALL BASE.
4. NEW CASEWORK. SEE INTERIOR ELEVATIONS.
5. FEATHER FINISH FLOOR AT FINISH TRANSITION TO ACHIEVE A FLUSH & LEVEL SURFACE.
6. EXISTING STAIRS - MAINTAIN & PROTECT EXISTING CERAMIC TILE TREADS. PAINT RISERS, GUARDRAILS, & STRINGERS.



KEY PLAN

PRINT IN COLOR

BID SET

SOLUM LANG
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1101 Old Marion Rd NE
Cedar Rapids, Iowa 52402
t: 319.862.0384

REVISION ISSUE DATE & TITLE	
02 08.11.26	ADD. 02
03 08.18.26	ADD. 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

New Finish Plan - Level 2 - Area B

DATE 07.23.2026

DRAWING NUMBER A132.B

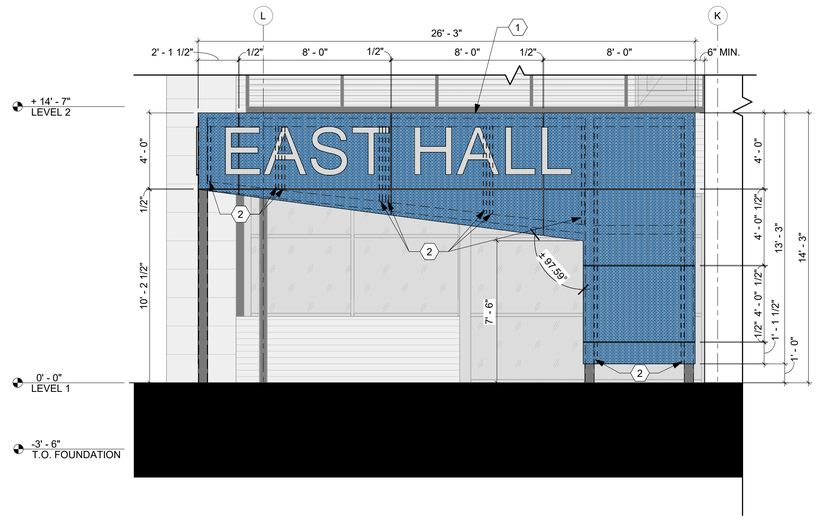
PROJECT NUMBER 25030

03.

KEYED NOTES

1. GROUND MOUNTED - SELF SUPPORTED SIGN ELEMENT. PROVIDE:
   1. REINFORCED CONCRETE FOUNDATION SYSTEM.
   2. STEEL FRAME WITH HIGH PERFORMANCE PAINT SYSTEM. SEE STRUCTURAL.
   3. POWDER COATED PERFORATED ALUMINUM PANELS W/ COORDINATING U-EDGE FRAMING AROUND PERIMETER OF EACH PANEL.
   4. ATTACH PANELS W/ MINIMUM #12 STAINLESS STEEL SELF-TAPPING SCREWS W/ OVERSIZED WASHER & RUBBER WASHER @ MAXIMUM 12" ON CENTER.
   5. 36" x 3" INDIVIDUAL CUT ALUMINUM LETTERS ON STANDOFFS.
2. L2 x 2 x 3/16 ANGLES ALONG EACH VERTICAL TUBE FLUSH TO FACE OF PANEL ATTACHMENT. NOTCH / WELD BACK TO DIAGONAL WEB MEMBERS.

1 A201 SOUTH ELEVATION
1/4" = 1'-0"



2 A201 EAST ELEVATION
1/4" = 1'-0"

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1101 Old Marion Rd NE
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t: 319.862.0384

REVISION
ISSUE
DATE & TITLE

03. 08.18.26 ADD. 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

New Exterior Elevations

DATE
07.23.2026

DRAWING NUMBER
A201

BID SET

PROJECT NUMBER
25030

ROOM FINISH SCHEDULE

NO.	NAME	FLOOR MATL.	BASE MATL.	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS
1000	VEST	WOM	RB	GB / EX GB	PT	EX GB / GL	PT / --	GL / GB	-- / PT	GL / GB	-- / PT	GB / EX GB	PT	
1001	BREAK ROOM	EX LVT	RB	EX GB	PT	EX GB / GL	PT / --	EX GB / GL	PT	EX GB	PT	ACP	--	
1002	IT	CPT	RB	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	EX GB	PT	ACP	--	2
1002A	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002B	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002C	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002D	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	EX GB	PT	ACP	--	
1002E	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	EX GB	PT	ACP	--	
1002F	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002G	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002H	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002I	WAR ROOM	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002J	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002K	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1002L	BREAK ROOM	LVT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
1003	HALL	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP / GB	-- / PT	
1004	EXEC SUITE	CPT	RB	GB	PT	GB	PT	GB	PT	EX GB	PT	ACP	--	
1004A	SENIOR OFFICE	CPT	RB	GB	PT	GB	PT	EX GB / EX GL	PT / --	GB	PT	ACP	--	
1004B	VP OFFICE	CPT	RB	GB	PT	GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
1004C	EXEC OFFICE	CPT	RB	GB	PT	GB	PT	GB	PT	EX GB / EX GL	PT / --	ACP	--	
1004D	EXEC OFFICE	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
1009	RR	PCT	PCT	GB	PCT / EPT	GB	PCT / EPT	EX GB	PCT / EPT	EX GB	PCT / EPT	ACP	--	
1011	RR	PCT	PCT	EX GB	PCT / EPT	GB	PCT / EPT	GB	PCT / EPT	EX GB	PCT / EPT	ACP	--	
1017	HALL	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	GB / EX GB	PT	ACP / GB	-- / PT	
1031	HALL	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2000	VEST.	WOM	RB	EX GL	--	EX GL	--	EX GB / EX GL	PT / --	EX FC	PT	EX	--	
2001	LOBBY	LVT	RB	EX GB	PT	EX GB / GL	PT / --	EX GB	PT	EX FC / FC	PT	ACP / EX GB	-- / PT	
2001B	HALL	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2003	HALL	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP / EX GB	-- / PT	
2017	HALL	CPT	RB	--	--	EX GB	PT	--	--	EX GB	PT	ACP	--	
2062	BREAK ROOM	EX LVT	RB	EX GB	PT	EX GB	PT	GB	PT	EX GB	PT	ACP / EX GB	-- / PT	
2064	LOUNGE	EX LVT	RB	GB	PT	EX GB / EX GL	PT / --	EX GB / EX GL	PT / --	EX GB	PT	ACP	--	
2066	COLLABORATION	CPT	RB	GB	PT	GB	PT	GB / EX GB	PT	GB	PT	ACP / GB	-- / PT	2
2068A	CLASSROOM 1A	CPT	RB	GB / EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	GB	PT	ACP	--	2
2068B	CLASSROOM 1B	CPT	RB	GB / EX GB	PT	GB	PT	EX GB / EX GL	PT / --	GB	PT	ACP	--	2
2070	CLASSROOM 2	CPT	RB	GB	PT	GB	PT	EX GB / EX GL	PT / --	EX GB / EX GL	PT / --	ACP	--	2
2070A	STOR.	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	OTS	--	
2071	CORRIDOR	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	--	--	ACP	--	
2072	COLLAB.	CPT	RB	--	--	GB	PT	GB	PT	EX GB / EX GL	PT / --	ACP	--	
2072A	CONFERENCE	CPT	RB	EX GB	PT	GB	PT	GL / GB	-- / PT	GB	PT	ACP	--	
2072B	OFFICE	CPT	RB	EX GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072C	OFFICE	CPT	RB	EX GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072D	OFFICE	CPT	RB	EX GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072E	OFFICE	CPT	RB	EX GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072F	OFFICE	CPT	RB	GB / EX GB	PT	EX GB	PT	GB	PT	GB	PT	ACP	--	
2072G	OFFICE	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072H	OFFICE	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072I	OFFICE	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072J	OFFICE	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2072K	STORAGE	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	OTS	--	
2073	CORRIDOR	CPT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACP	--	
2074	COLLAB.	CPT	RB	EX GB	PT	--	--	--	--	EX GB	PT	ACP	--	
2075	SERVICE / WAITING	CPT	RB	EX GB	PT	--	--	EX GB	PT	GB	PT	ACP / GB	-- / PT	2
2075A	RECEPTION	CPT	RB	EX GB	PT	GB	PT	EX GB	PT	--	--	ACP	--	2
2076	OPEN OFFICE	CPT	RB	EX GB	PT	--	--	EX GB	PT	EX GB	PT	ACP	--	2
2076A	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2076B	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2076C	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2076D	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2076E	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2076F	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2076G	MEETING	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2077	TELECOM	EX SC	EX RB	EX GB	--	EX GB	--	EX GB	--	EX GB	--	OTS	--	
2078	TRAINING	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP / EX GB	-- / PT	
2079	STOR.	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2079A	ELEC.	EX SC	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	OTS	--	
2080	RECEPTION / WAITING	CPT	RB	EX GB	PT	EX GB	PT	--	--	--	--	ACP	--	2
2080A	OPEN OFFICE	CPT	RB	EX GB	PT	--	--	--	--	EX GB	PT	ACP	--	2
2080B	COLLAB.	CPT	RB	--	--	EX GB	PT	EX GB	PT	--	--	ACP	--	2
2081	KICK STOR.	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2082	BOARDROOM	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP / EX GB	-- / PT	
2083	HALL	CPT	RB	--	--	EX GB	PT	EX GB	PT	--	--	ACP	--	
2083A	HALL	CPT	RB	EX GB	PT	EX GB	PT	--	--	EX GB	PT	ACP	--	
2083B	HALL	CPT	RB	--	--	--	--	GB / EX GB	PT	--	--	ACP	--	
2084	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2085	COFFEE	LVT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2085A	CLOSET	LVT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2086	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2087	COPY	CPT	RB	GB / EX GB	PT	EX GB	PT	GB / EX GB	PT	GB / EX GB	PT	ACP	--	
2088	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2090	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2092	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2094	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2096	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2098	OFFICE	CPT	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2100	MEETING	CPT	RB	EX GB / EX GL	PT / --	EX GB	PT	EX GB	PT	EX GB / EX GL	PT / --	ACP	--	
2102	OFFICE	CPT	RB	EX GB / EX GL	PT / --	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2104	OFFICE	CPT	RB	EX GB / EX GL	PT / --	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2106	OFFICE	CPT	RB	EX GB / EX GL	PT / --	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2108	OFFICE	CPT	RB	EX GB / EX GL	PT / --	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	
2110	MEETING	CPT	RB	EX GB / EX GL	PT / --	EX GB	PT	EX GB	PT / --	EX GB	PT	ACP	--	
ST-01	STAIR 01	WOM / CPT / EX	RB	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	1
ST-02	STAIR 02	WOM / CPT / EX	BR	EX GB	PT	EX GB	PT	EX GB	PT	EX GB	PT	ACP	--	1
ST-03	STAIR 03	EX	--	--	--	--	--	--	--	--	--	--	--/PT	1, 3

ROOM FINISH SCHEDULE ABBREVIATIONS

ACP	ACOUSTIC CEILING PANEL
CPT	CARPET
EPT	EPOXY PAINT
EX	EXISTING
GB	GYPSUM BOARD
LVT	LUXURY VINYL TILE
OTS	OPEN TO STRUCTURE
PCT	PORCELAIN CERAMIC TILE
PT	PAINT
RB	RESILIENT BASE
WOM	WALK-OFF MAT

ROOM FINISH SCHEDULE REMARKS

1. EXISTING STAIR TREAD, RISER, & NOSING FINISH - MAINTAIN & PROTECT. LANDING TO RECEIVE NEW FLOORING & BASE AS IDENTIFIED.
2. SEE PLAN FOR ACCENT CARPET LOCATIONS.
3. PAINT SOFFIT & DRYWALL CONSTRUCTION OF SKYLIGHT.

WALL FINISHES:

PAINT:

EPT-1 — MANUFACTURER: SHERWIN WILLIAMS
COLOR: PASSIVE
FINISH: EPOXY
APPLICATION: RESTROOM WALLS

PT-1 — MANUFACTURER: SHERWIN WILLIAMS
COLOR: PASSIVE
FINISH: EGGSHELL
APPLICATION: FIELD COLOR, TYP. UNLESS NOTED OTHERWISE.

PT-2 — 03
MANUFACTURER: SHERWIN WILLIAMS
COLOR: NEBULOUS WHITE
FINISH: FLAT
APPLICATION: CEILING COLOR, TYP. UNLESS NOTED OTHERWISE.

PT-3 — 03
MANUFACTURER: BENJAMIN MOORE
COLOR: KENDALL CHARCOAL
FINISH: SEMI GLOSS
APPLICATION: HOLLOW METAL DOORS & FRAMES

PT-4 — MANUFACTURER: SHERWIN WILLIAMS
COLOR: SKY FALL
FINISH: EGGSHELL
APPLICATION: ACCENT COLOR AS INDICATED

PT-5 — MANUFACTURER: SHERWIN WILLIAMS
COLOR: DYNAMIC BLUE
FINISH: EGGSHELL
APPLICATION: ACCENT COLOR AS INDICATED

PT-6 — MANUFACTURER: SHERWIN WILLIAMS
COLOR: HYPER BLUE
FINISH: EGGSHELL
APPLICATION: ACCENT COLOR AS INDICATED

03
PT-7 — MANUFACTURER: SHERWIN WILLIAMS
COLOR: MATCH EXISTING FIBER CEMENT BOARD
FINISH: MATCH EXISTING
APPLICATION: FIBER CEMENT BOARD

PORCELAIN CERAMIC TILE

PCT-2 — MANUFACTURER: SHAW CONTRACT
COLLECTION: PORCELAIN
STYLE: STELLAR CT82K
COLOR: NEBULA
SIZE: 12" X 24"
INSTALLATION: TBD
APPLICATION: FLOORING & 6" WALL BASE AS INDICATED
GROUT: TBD

CASEWORK FINISHES:

PLASTIC LAMINATE

PLAM-1 — MANUFACTURER: FORMICA
PATTERN: GRAY FABRIC
FINISH: MATTE
INSTALLATION: VERTICAL
APPLICATION: CASEWORK, SEE INTERIOR ELEVATIONS

PLAM-2 — MANUFACTURER: FORMICA
PATTERN: PALOMA POLAR
FINISH: MATTE
INSTALLATION: HORIZONTAL
APPLICATION: COUNTERTOPS, SEE INTERIOR ELEVATIONS

SOLID SURFACE

SS-1 — MANUFACTURER: CORIAN
PATTERN: DESIGNER WHITE
PRICE GROUP: C
HEIGHT: 6"
APPLICATION: CHAIR RAIL AS INDICATED ON PLANS (SEE DETAIL 5/A452)

QUARTZ

QZ-1 — MANUFACTURER: CORIAN
PRODUCT: CLOUD WHITE
THICKNESS: 3CM
APPLICATION: COUNTERTOPS AS NOTED ON PLANS

DOOR FINISHES:

WOOD

WD — SPECIES: MATCH EXISTING DOORS
FINISH: MATCH EXISTING DOORS
APPLICATION: NEW WOOD DOORS

MISCELLANEOUS FINISHES:

HANGING PANELS (ACOUSTICAL PANELS):

AP-1: — MANUFACTURER: FILZFELT
STYLE: FLIGHT HANGING PANEL
SIZE: TBD
COLOR: ENZIAN
APPLICATION: DIVIDER PANELS

CORNER GUARDS:

CG-1 — STYLE: 16 GAUGE TYPE 304 STAINLESS STEEL
INSTALL: BRUSHED ADHESIVE MOUNTED
SIZE: 1-1/2" FLANGE
HEIGHT: 96" A.F.F.
APPLICATION: ALL EXPOSED OUTSIDE GYPSUM BOARD CORNERS

FIBER CEMENT SIDING

FC — SEE SPECIFICATIONS

SEALED CONCRETE

SC (EXISTING)

FLOORING FINISHES:

CARPET

CPT-1 — MANUFACTURER: INTERFACE
COLLECTION: OPEN AIR
STYLE: 408
COLOR: NICKEL
SIZE: 25cm x 1m
INSTALLATION: TBD
APPLICATION: FIELD CARPET AS SHOWN

CPT-2 — MANUFACTURER: INTERFACE
COLLECTION: DRIFTWOOD
STYLE: DRIFTWOOD
COLOR: LINDEN
SIZE: 25cm x 1m
INSTALLATION: TBD
APPLICATION: ACCENT AS SHOW

CPT-3 — MANUFACTURER: INTERFACE
COLLECTION: DRIFTWOOD
STYLE: DRIFTWOOD
COLOR: SWEETGUM
SIZE: 25cm x 1m
INSTALLATION: TBD
APPLICATION: ACCENT AS SHOW

CPT-4 — MANUFACTURER: INTERFACE
COLLECTION: DRIFTWOOD
STYLE: DRIFTWOOD
COLOR: TEAK
SIZE: 25cm x 1m
INSTALLATION: TBD
APPLICATION: ACCENT AS SHOW

WALK OFF MAT

WOM-1 — MANUFACTURER: J+J FLOORING
STYLE: INCOGNITO
COLOR: INTELLIGENCE
SIZE: 24" X 24"
INSTALLATION: MONOLITHIC
APPLICATION: FLOORING AS NOTED ON PLANS

LUXURY VINYL TILE

LVT-1 — MANUFACTURER: MANNINGTON
COLLECTION: SPACIA
STYLE: STONE
COLOR: GIBSON
SIZE: 18" X 18"
INSTALLATION: BRICK
APPLICATION: FLOORING AS NOTED ON PLANS

PORCELAIN CERAMIC TILE

PCT-1 — MANUFACTURER: SHAW CONTRACT
COLLECTION: PORCELAIN
STYLE: STELLAR CT82K
COLOR: METEOR
SIZE: 12" X 24"
INSTALLATION: MONOLITHIC
APPLICATION: FLOORING & 6" WALL BASE AS INDICATED
GROUT: TBD

WALL BASE FINISHES:

RESILIENT BASE

RB-1 — MANUFACTURER: JOHNSONITE
PRODUCT: TRADITIONAL RESILIENT WALL BASE
COLOR: CHARCOAL
PROFILE: 4" COVED BASE

PORCELAIN CERAMIC TILE

PCT-1 — PRODUCT: SEE PCT-1 CALLOUT ABOVE
HEIGHT: TBD

TRANSITION STRIPS

T-1 — MANUFACTURER: JOHNSONITE
PRODUCT: WHEELED TRAFFIC TRANSITIONS
PROFILE: COORDINATE WITH EXISTING & NEW MATERIAL THICKNESS
COLOR: MATCH RESILIENT BASE
APPLICATION: EXISTING LVT TO NEW CPT

T-2 — MANUFACTURER: SCHLUTER
PRODUCT: RENO-TK
FINISH: ANODIZED ALUMINUM
APPLICATION: NEW PCT TO NEW CPT

T-3 — MANUFACTURER: JOHNSONITE
PRODUCT: WHEELED TRAFFIC TRANSITIONS
PROFILE: COORDINATE WITH MATERIAL THICKNESS
COLOR: MATCH RESILIENT BASE
APPLICATION: EXISTING CONCRETE TO NEW CPT

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REVISION ISSUE DATE & TITLE
02 08.11.26 ADD. 02
03 08.18.26 ADD. 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Room Finish Schedule & Legend

DATE 07.23.2026
DRAWING NUMBER A601

PRINT IN COLOR
BID SET
PROJECT NUMBER 25030

1 AD112.B DEMOLITION FLOOR PLAN - LEVEL 2 - Area B (Northwest)
1/8" = 1'-0"

N

FLOOR PLAN GENERAL NOTES

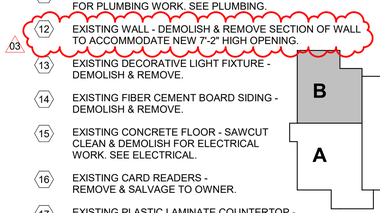
1. CONTRACTORS & MATERIAL SUPPLIERS SHALL FIELD VERIFY ALL EXISTING DIMENSIONS & CONDITIONS ASSOCIATED WITH THE WORK & REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY, PRIOR TO COMMENCING WORK.
2. REFERENCE ENGINEERING DRAWINGS FOR ALL DEMOLITION / PROTECTION OF EXISTING MECHANICAL, ELECTRICAL, & PLUMBING EQUIPMENT.
3. DEMOLISH & REMOVE OR REMOVE & SALVAGE EXISTING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, CASEWORK, WALLS, & DOORS WHERE SHOWN BY DASHED LINES. DASHED LINES ARE REPRESENTATIONAL. PERFORM ALL DEMOLITION NECESSARY TO PROVIDE A COMPLETE PROJECT AS DESCRIBED BY ALL CONSTRUCTION DOCUMENTS.
4. EXISTING WINDOWS, SILLS, & SHADES - MAINTAIN & PROTECT THROUGHOUT UNLESS NOTED OTHERWISE.
5. EXISTING FINISHES - MAINTAIN & PROTECT ALL EXISTING FINISHES TO REMAIN UNLESS NOTED OTHERWISE. REPLACE & REPAIR ALL DAMAGE DUE TO CONSTRUCTION.
6. FURNITURE, FIXTURES, & EQUIPMENT - REMOVE & SALVAGE FOR OWNER USE.
7. THE CONTRACTOR WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF SALVAGE STORAGE AREA FOR VARIOUS ITEMS.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING DEBRIS & ITEMS NOT DETAINED BY THE OWNER'S REPRESENTATIVE FROM THE CONSTRUCTION SITE & THE BUILDING.
9. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING CODE REQUIRED EGRESS DURING CONSTRUCTION.
10. THE OWNER WILL PERFORM INSPECTIONS UPON COMPLETION OF THE DEMOLITION PHASE & WILL BE RESPONSIBLE FOR COORDINATING & MANAGING ANY REQUIRED ENVIRONMENTAL REMEDIATION, HAZARDOUS MATERIAL HANDLING, SPECIALTY CLEANING, OR OTHER SITE CONDITIONS IDENTIFIED AS A RESULT OF THOSE INSPECTIONS PRIOR TO THE START OF SUBSEQUENT CONSTRUCTION ACTIVITIES.

FLOOR PLAN LEGEND

- NOT IN PROJECT SCOPE - MAINTAIN & PROTECT ALL EXISTING.
- EXISTING WALL - MAINTAIN & PROTECT.
- EXISTING WALL - DEMOLISH & REMOVE.
- EXISTING WINDOW - MAINTAIN & PROTECT.
- EXISTING WINDOW - DEMOLISH & REMOVE.
- EXISTING DOOR & FRAME - MAINTAIN & PROTECT.
- EXISTING DOOR & FRAME - REMOVE & SALVAGE FOR REUSE. SEE NEW WORK FLOOR PLANS FOR NEW LOCATIONS.
- EXISTING CONSTRUCTION - MAINTAIN & PROTECT.
- EXISTING CONSTRUCTION - DEMOLISH & REMOVE.
- FEC — EXISTING FIRE EXTINGUISHER CABINET - MAINTAIN & PROTECT.

DEMOLITION PLAN KEYED NOTES

1. EXISTING CASEWORK - DEMOLISH & REMOVE.
2. EXISTING STAIR TREAD, RISER, & NOSING FINISH - MAINTAIN & PROTECT.
3. EXISTING LUXURY VINYL TILE - MAINTAIN & PROTECT. REMOVE, CUT, AND REINSTALL PLANKS AS NECESSARY FOR NEW WALL. EXISTING WALL BASE - DEMOLISH & REMOVE. INSTALL NEW WALL BASE.
4. EXISTING FLOOR FINISHES & WALL BASE - DEMOLISH & REMOVE. PREPARE FOR NEW. SALVAGE FULL CARPET TILES FOR OWNER'S USE.
5. EXISTING SHELL SPACE - MAINTAIN & PROTECT EXISTING CONSTRUCTION. PREPARE EXISTING EXPOSED CONCRETE FLOOR FOR NEW FLOOR FINISHES.
6. EXISTING WINDOW SHADES - REMOVE & SALVAGE TO OWNER.
7. EXISTING PLUMBING FIXTURES - DEMOLISH & REMOVE.
8. EXISTING CONCRETE PAVING - DEMOLISH, REMOVE, & PREPARE FOR NEW REINFORCED CONCRETE & FOUNDATIONS FOR NEW COLUMNS.
9. EXISTING FIRE EXTINGUISHER CABINET - REMOVE & SALVAGE FOR REUSE. SEE NEW WORK FLOOR PLANS FOR NEW LOCATIONS.
10. EXISTING STOREFRONT & WALL - DEMOLISH & REMOVE EXISTING STOREFRONT WINDOWS & WALL BELOW. DEMOLISH & REMOVE WALL ABOVE UP TO 10'-0" A.F.F.
11. EXISTING CONCRETE FLOOR - SAWCUT CLEAN & DEMOLISH FOR PLUMBING WORK. SEE PLUMBING.
12. EXISTING WALL - DEMOLISH & REMOVE SECTION OF WALL TO ACCOMMODATE NEW 7'-2" HIGH OPENING.
13. EXISTING DECORATIVE LIGHT FIXTURE - DEMOLISH & REMOVE.
14. EXISTING FIBER CEMENT BOARD SIDING - DEMOLISH & REMOVE.
15. EXISTING CONCRETE FLOOR - SAWCUT CLEAN & DEMOLISH FOR ELECTRICAL WORK. SEE ELECTRICAL.
16. EXISTING CARD READERS - REMOVE & SALVAGE TO OWNER.
17. EXISTING PLASTIC LAMINATE COUNTERTOP - DEMOLISH & REMOVE. EXISTING CABINETS - MAINTAIN & PROTECT. PATCH & REPAIR WALL AS REQUIRED.



KEY PLAN

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REVISION ISSUE DATE & TITLE	
02	08.11.26 ADD. 02
03	08.18.26 ADD. 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Demolition Floor Plan - Level 2 - Area B

DATE 07.23.2026
DRAWING NUMBER AD112.B
BID SET
PROJECT NUMBER 25030

ELECTRICAL ABBREVIATIONS

(NOTE: ALL ABBREVIATIONS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

*** ABBREVIATIONS ***

3R	NEMA 3R ENCLOSURE
4X	NEMA 4X ENCLOSURE
A	AMPERES
AF	AMPERE FRAME
AFCI/AFI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMP INTERRUPTING CAPACITY
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
ACT	ACOUSTICAL CEILING TILE
BRKR	BREAKER
C	CONDUIT
C1D1	CLASS I DIVISION 1
C1D2	CLASS I DIVISION 2
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT
CMS	COMBINATION MOTOR STARTER
CT	CURRENT TRANSFORMER
DB	DISTRIBUTION BOARD
DISC	DISCONNECT
DN	DOWN
DP	DISTRIBUTION PANEL
DS	DISCONNECT SWITCH
EGC	EQUIPMENT GROUND CONDUCTOR
EM/EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FDR	FEEDER
FDS	FUSED DISCONNECT SWITCH
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FLR	FLOOR
FVNR	FULL VOLTAGE NON-REVERSING
FSD	FIRE/SMOKE DAMPER
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTED
GND	GROUND
HH	HAND HOLE
HOA	HAND OFF AUTOMATIC
HP	HORSE POWER
HGT	HEIGHT
IESCR	INTEGRATED ELECTRICAL SHORT CIRCUIT RATING
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INV	INVERTER
JB	JUNCTION BOX
KB	KNOX BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
KWH	KILOWATT HOURS
LAN	LOCAL AREA NETWORK
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LI	LONG-TIME / INSTANTANEOUS
LSI	LONG-TIME / SHORT-TIME / INSTANTANEOUS
LSIA	LONG-TIME / SHORT-TIME / INSTANTANEOUS / GROUND ALARM
LSIG	LONG-TIME / SHORT-TIME / INSTANTANEOUS / GROUND
LTG	LIGHTING
LV	LOW VOLTAGE (0-49V)
MCB/MB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CIRCUIT
MCP	MOTOR CIRCUIT PROTECTOR
MCS	MOLDED CASE SWITCH
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTR	MOTOR / METER
MV	MEDIUM VOLTAGE (601V TO 69KV)
NA	NOT APPLICABLE
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCPD	OVERCURRENT PROTECTIVE DEVICE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
P	POLE
PB	PULL BOX / PUSH BUTTON
PC	PHOTOCELL
PDU	POWER DISTRIBUTION UNIT
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RAC	RIGID ALUMINUM CONDUIT
REC	RECESSED
RCPT	RECEPTACLE
REL	RELOCATE
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SIM	SIMILAR
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
SSBJ	SUPPLY SIDE BONDING JUMPER
ST	SHUNT TRIP
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SD	SMOKE DAMPER
TS	TAMPER SWITCH
TR	TAMPER RESISTANT
TVSS	TRANSIENT VOLT SURGE SUPPRESSOR
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
USB	UNIVERSAL SERIAL BUS TYPE DEVICE
V	VOLTS
VA	VOLT AMPS
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
WPD	WEATHERPROOF DEVICE - IN USE
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

ELECTRICAL SYMBOLS

REFER TO TECHNOLOGY/ COMMUNICATION, FIRE ALARM, AUDIO VISUAL, SECURITY, AND NURSE CALL SYMBOLS LIST FOR ADDITIONAL INFORMATION.

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

(NOTE: +##" INDICATES DIMENSION HEIGHT TO CENTER OF DEVICE ABOVE FINISHED FLOOR. IN GENERAL, ALL RECEPTACLES ARE TO BE +18" UNLESS NOTED OTHERWISE.)

*** LIGHTING FIXTURES ***

- INDICATES DAYLIGHT HARVEST ZONE
- CEILING FIXTURE - PENDANT MOUNTED
- CEILING FIXTURE
- CEILING FIXTURE - RECESSED
- FIXTURE - WALL MOUNTED
- LINEAR FIXTURE
- LINEAR FIXTURE - RECESSED
- LINEAR FIXTURE - WALL MOUNTED
- STRIP FIXTURE
  • = SUSPENDED FIXTURE
- STRIP FIXTURE - WALL MOUNTED
- DIRECT / INDIRECT FIXTURE - SUSPENDED
  = FEED/SUSPENSION POINT
  + = SUSPENSION POINT
- LED STRIP FIXTURE
  ■ = FEED POINT
- EXIT SIGN - CEILING MOUNTED
- EXIT SIGN - WALL MOUNTED
- EXIT / EMERGENCY SIGN - CEILING MOUNTED
- EXIT / EMERGENCY SIGN - WALL MOUNTED

(SOLID FILL) - INDICATES EXIT FACE

(ARROWS) - INDICATES CHEVRON DIRECTION

- EMERGENCY LIGHT - CEILING MOUNTED
- EMERGENCY LIGHT - WALL MOUNTED
- LIGHT TRACK
  = FEED POINT
  Δ = HEAD
- POLE AND LUMINAIRE, ARROW INDICATES AIMING
- POLE AND TWO LUMINAIRE, ARROWS INDICATE AIMING
- BOLLARD ON CONCRETE BASE
- POST TOP LUMINAIRE
- EXTERIOR WALL PACK - WALL MOUNTED

*** RACEWAYS ***

- SURFACE RACEWAY - CONDUIT UNLESS NOTED OTHERWISE
- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
- HOME RUN TO PANELBOARD - NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS
- CABLE TRAY
- LADDER RACK
- CABLE J-HOOKS
- MULTI-OUTLET RACEWAY AS NOTED
  = FEED POINT / JUNCTION BOX
  - GENERAL NOTE: BOXED DEVICES INDICATE RACEWAY MOUNTED

  (INFO. JACK, SPECIAL RCPT, DUPLEX RCPT)
- JUNCTION BOX
- JUNCTION BOX - WALL MOUNTED
- HANDHOLE BOX - IN GROUND
- GROUND
- SPLICE CONNECTION FROM EXISTING TO NEW
- CONDUIT STUB
- CONDUIT CONTINUATION
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN

*** EQUIPMENT ***

- SPECIAL EQUIPMENT DESIGNATION PER SCHEDULE
- EQUIPMENT PLAN MARK PER SCHEDULE
  XX - EQUIPMENT DESIGNATION
  ## - EQUIPMENT NUMBER
- MOTOR OUTLET AND CONNECTION
- EQUIPMENT CONNECTION
- EQUIPMENT CONNECTION - WALL MOUNTED
- FURNITURE FEED CONNECTION
- FURNITURE FEED CONNECTION - WALL MOUNTED
- SAFETY DISCONNECT SWITCH
- MOTOR STARTER OR CONTACTOR
- COMBINATION SAFETY DISCONNECT SWITCH/MOTOR STARTER
- SURFACE BRANCH CIRCUIT PANELBOARD
- FLUSH BRANCH CIRCUIT PANELBOARD
- POWER DISTRIBUTION PANELBOARD
- SPECIAL CABINET AS NOTED - SURFACE MOUNTED
- SPECIAL CABINET AS NOTED - RECESSED MOUNTED
- VARIABLE FREQUENCY DRIVE
- GROUND BAR
- TRANSFORMER
- EQUIPMENT SERVICE CLEARANCE

*** WIRING DEVICES ***

TYPICAL DEVICE CLASSIFICATION:

- GFI - INDICATES GROUND FAULT INTERRUPTER DEVICE
- GFP - INDICATES GROUND FAULT PROTECTION UPSTREAM OF DEVICE
- IG - INDICATES ISOLATED GROUND DEVICE
- TR - INDICATES TAMPER RESISTANT DEVICE
- USB - INDICATES USB TYPE DEVICE
- WP - INDICATES DEVICE WITH WEATHERPROOF BOX/FLIPCOVER
- WPD - INDICATES DEVICE WITH WEATHERPROOF BOX/CORD AND PLUG COVER

- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE - MOUNTED 8" ABOVE COUNTERTOP OR 4"ABOVE BACKSPLASH
- DOUBLE DUPLEX RECEPTACLE - MOUNTED 8" ABOVE COUNTERTOP OR 4" ABOVE BACKSPLASH
- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE - IN CEILING
- DUPLEX RECEPTACLE WITH TOP RECEPTACLE SWITCHED
- DUPLEX RECEPTACLE WITH BOTH RECEPTACLES SWITCHED
- DUPLEX RECEPTACLE - EMERGENCY POWER
- OUTLET BOX WITH SPECIAL DEVICE AS NOTED
- ELECTRIC CORD REEL W/ RECEPTACLE DEVICE AS NOTED
- ACTIVATION BOX - IN FLOOR REFER TO THE ACTIVATION BOX SCHEDULE
- ACTIVATION BOX - WALL MOUNTED REFER TO THE ACTIVATION BOX SCHEDULE
- FURNITURE FEED IN ACTIVATION BOX - IN FLOOR REFER TO THE ACTIVATION BOX SCHEDULE
- SINGLE POLE WALL SWITCH
  3 - INDICATES 3 WAY SWITCH
  4 - INDICATES 4 WAY SWITCH
  K - INDICATES KEY SWITCH
  M - INDICATES MOMENTARY SWITCH
  P/L - INDICATES PILOT LIGHT
  T - INDICATES TIME SWITCH
- LIGHT DIMMER
- PUSHBUTTON
- LIGHTING CONTROL STATION
- ANY WIRING DEVICE WITH THIS SYMBOL INDICATES SURFACE MOUNTED OUTLET BOX
- CEILING FAN
- POWER POLE
- THERMOSTAT - WALL MOUNTED
- OCCUPANCY SENSOR
  X - INDICATES TYPE, SEE LIGHTING CONTROL DEVICE SCHEDULE
  x - INDICATES SWITCH ZONE, IF APPLICABLE
- OCCUPANCY SENSOR - WALL MOUNTED
  X - INDICATES TYPE, SEE LIGHTING CONTROL DEVICE SCHEDULE
  x - INDICATES SWITCH ZONE, IF APPLICABLE
- PHOTO SENSOR
  X - INDICATES TYPE, SEE LIGHTING CONTROL DEVICE SCHEDULE
  x - INDICATES SWITCH ZONE, IF APPLICABLE
- PHOTO SENSOR - WALL MOUNTED
  X - INDICATES TYPE, SEE LIGHTING CONTROL DEVICE SCHEDULE
  x - INDICATES SWITCH ZONE, IF APPLICABLE
- DOOR OPERATOR ACTUATOR - WALL MOUNTED

*** SCHEMATIC RISER DIAGRAM ***

- FEEDER INSTALLATION - LINE VOLTAGE
- FEEDER INSTALLATION - LOW VOLTAGE
- FEEDER/CONDUIT PER SCHEDULE
- SAFETY SWITCH/MOTOR DISCONNECT
- TRANSFORMER - OIL FILLED
- TRANSFORMER - DRY TYPE
- MOTOR STARTER
- METER
- PULL BOX
- JUNCTION BOX
- PANEL OR AS NOTED
- SWITCHBOARD
- VARIABLE FREQUENCY DRIVE
- SURGE PROTECTION DEVICE
- GROUND
- FUSE
- CIRCUIT BREAKER
  XXX - INDICATES TRIP RATING
  x - INDICATES NUMBER OF POLES
- FUSIBLE DISCONNECT SWITCH
- TRANSFER SWITCH

GENERAL ELECTRICAL DEMOLITION NOTES:

1. UNLESS NOTED OTHERWISE ALL ITEMS TO BE REMOVED AND DISPOSED OF BY CONTRACTOR. SEE DEMOLITION KEY. THE OWNER MAY ELECT TO SALVAGE SELECT ELECTRICAL SYSTEM COMPONENTS. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF EQUIPMENT.
2. WHERE ELECTRICAL EQUIPMENT, WIRING DEVICES, OR COMMUNICATIONS DEVICES ARE NOTED TO BE REMOVED, DEMO CONDUIT AND WIRE BACK TO SOURCE OR NEAREST ACTIVE JUNCTION BOX. WHERE CONDUITS PENETRATE CMU OR CAST-IN-PLACE CONCRETE, CUT CONDUIT FLUSH WITH WALL OR FLOOR. PATCH ALL WALL AND FLOOR PENETRATIONS TO MATCH EXISTING SURFACE. UNDER NO CIRCUMSTANCES SHALL ABANDONED CONDUIT, WIRE, OR ELECTRICAL EQUIPMENT REMAIN AT THE COMPLETION OF CONSTRUCTION.
3. WHERE ON-GRADE FLOORBOXES ARE DEMOED, COORDINATE GROUTING OF BOX WITH GENERAL CONTRACTOR.
4. WHERE ABOVE GRADE POKE-THROUGHS ARE DEMOED, PROVIDE FIRE RATED ABANDONMENT PLUGS. WIREMOLD MODEL ABPLUGX OR EQUAL.
5. ELECTRICAL DEMOLITION DRAWINGS ARE BASED ON FIELD OBSERVATION AND EXISTING DOCUMENTATION WHERE AVAILABLE. EFFORTS HAVE BEEN MADE TO ACCURATELY PORTRAY EXISTING CONDITIONS. DEMOLITION DRAWINGS ARE INTENDED TO CONVEY THE GENERAL SCOPE OF DEMOLITION. MISCELLANEOUS ABANDONED BOXES AND CONDUIT MAY NOT BE INDICATED. ALL ELECTRICAL AND COMMUNICATIONS SYSTEMS, RACEWAYS AND SUPPORTS IN WALLS AND CEILINGS SCHEDULED TO BE REMOVED ARE TO BE DEMOLISHED. CONTRACTOR FIELD VERIFICATION IS REQUIRED.
6. COORDINATE ANY SERVICE OUTAGES AFFECTING AREAS OUTSIDE THE REMODEL AREA WITH OWNER AT LEAST 72 HOURS PRIOR TO OUTAGE. WHERE REQUIRED BY THE OWNER, ANY WORK REQUIRING POWER INTERRUPTION SHALL BE SCHEDULED OUTSIDE OF NORMAL WORKING HOURS.
7. MAINTAIN INTEGRITY OF EXISTING CIRCUIT WIRING SERVING AREAS OUTSIDE THE REMODEL AREA. IF SPECIFIC ITEMS/DEVICES ARE TAKEN OUT OF SERVICE TEMPORARILY TO COMPLETE NEW WORK, RETURN TO SERVICE AS SOON AS POSSIBLE.
8. THE BUILDING WILL REMAIN OCCUPIED AND IN USE FOR THE DURATION OF CONSTRUCTION. REFER TO THE SPECIFICATIONS AS WELL AS PHASING PLANS FOR ADDITIONAL INFORMATION REGARDING WORKING ACCESS WITHIN AND ADJACENT TO OCCUPIED AREAS AND SPECIFIC PHASING REQUIREMENTS.
9. FOR ALL DEMOLISHED FLUORESCENT LIGHT FIXTURES, IT SHALL BE ASSUMED THAT BALLASTS CONTAIN PCB'S AND SHALL BE DISPOSED OF PROPERLY. RECYCLE ALL FLUORESCENT AND HID LAMPS IN ACCORDANCE WITH EPA AND LOCAL REQUIREMENTS.
10. WHERE CEILING SYSTEMS ARE REMOVED, ELECTRICAL CONTRACTOR SHALL PERMANENTLY SUPPORT LOW VOLTAGE CABLING SYSTEMS CURRENTLY SUPPORTED BY CEILING SYSTEM WITH J-HOOKS ON BUILDING STRUCTURE.
11. FOR ALL FLUSH DEVICES TO BE REMOVED IN REMAINING WALLS, COVER ABANDONED OPENING WITH NEW COVERPLATE, UNLESS NOTED OTHERWISE.
12. COORDINATE TECHNOLOGY CABLE DEMOLITION WITH OWNER. OWNER TO REMOVE CABLES AS REQUIRED FOR DEMOLITION.

3 ADD

GENERAL ELECTRICAL NOTES:

1. ALL ELEMENTS OF THE CONSTRUCTION SHALL BE PERFORMED BY TRADES PEOPLE SKILLED IN THE PARTICULAR CRAFT INVOLVED, AND REGULARLY EMPLOYED IN THAT PARTICULAR CRAFT. ALL WORK SHALL BE PERFORMED IN A NEAT, PROFESSIONAL MANNER IN KEEPING WITH THE HIGHEST STANDARDS OF THE CRAFT.
2. DRAWINGS ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK, AND TO INDICATE THE GENERAL LOCATIONS OF EQUIPMENT AND SOME FEEDERS. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LAYOUT THEIR OWN WORK ACCORDING TO THE FOLLOWING GUIDELINES:
   a. COORDINATE DEVICE LOCATIONS AND HEIGHTS WITH ARCHITECTURAL ELEVATIONS AND DETAILS PRIOR TO ROUGH IN. FIXTURES AND DEVICES TO BE CENTERED AROUND ARCHITECTURAL CONSTRUCTION. VERIFY EXACT BOX ROUGH-IN LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION OF CONDUIT AND WIRE. ARCHITECT RESERVES THE RIGHT TO HAVE THE CONTRACTOR ADJUST BOX LOCATIONS AT THIS TIME.
   b. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS FOR EQUIPMENT AND ROUGH-INS AND THE EXACT ROUTING OF FEEDERS PRIOR TO CONSTRUCTION SO AS TO BEST FIT THE LAYOUT OF THE WORK. SPACE ABOVE CEILINGS IS LIMITED; COORDINATE FINAL LAYOUT WITH ALL TRADES.
   c. WHERE OFFSETS IN FEEDERS ARE REQUIRED TO COORDINATE THE WORK OF OTHER TRADES OR TO MAINTAIN REQUIRED CEILING HEIGHTS, THEY SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
   d. COORDINATE LOCATION OF EQUIPMENT AND ROUTING OF FEEDERS TO MAINTAIN ACCESS TO HEAT PUMPS, MOTORS, ELECTRICAL EQUIPMENT, AND CONTROLS.
   e. CONTRACTOR SHALL INSTALL EQUIPMENT PER CLEARANCES LISTED IN NEC.
3. ALL BRANCH WIRING CONNECTED TO THE NEC ARTICLE 700 EMERGENCY POWER SYSTEM SHALL BE KEPT IN AN ENTIRELY SEPARATE RACEWAY SYSTEM WITH SEPARATE IDENTIFICATION REQUIREMENTS. REFER TO SPECIFICATIONS.
4. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR CONSTRUCTION PHASING AND SCHEDULE REQUIREMENTS.
5. REFER TO SPECIFICATIONS FOR ALTERNATE BID DESCRIPTION INFORMATION.
6. BELOW IS A LIST OF COMMON REQUIREMENTS OUTLINED IN THE PROJECT MANUAL. REFER TO THE PROJECT MANUAL AND STANDARD DETAILS FOR MORE DETAILED INFORMATION FOR THESE ITEMS AND FOR ALL OTHER MATERIALS AND CONSTRUCTION METHODS REQUIRED.
   a. MINIMUM WIRE SIZE TO BE #12 FOR POWER.
   b. WALL BOXES INSTALLED FLUSH IN COMMON WALL SHALL NOT BE BACK-TO-BACK OR THROUGH WALL TYPE.
   c. ALL CONDUITS, JUNCTION BOXES, WIRING, EQUIPMENT, ETC. TO BE PROPERLY LABELED.
   d. PROVIDE GREEN GROUND CONDUCTOR THROUGHOUT ENTIRE ELECTRICAL SYSTEM.
   e. ALL CIRCUITS SHALL HAVE DEDICATED NEUTRALS TO MEET NEC WITHOUT HAVING HANDLE TIES. SHARED NEUTRALS ARE NOT ALLOWED.
7. CUT AND PATCH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW SYSTEMS.
   a. ALL OPENINGS IN CONCRETE OR MASONRY CONSTRUCTION SHALL BE CORE DRILLED OR SAW CUT. COORDINATE WITH STRUCTURE AND GENERAL CONTRACTOR AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY AND MINIMIZE SIZE OF OPENINGS.
   b. DO NOT MODIFY STRUCTURAL BUILDING COMPONENTS WITHOUT COORDINATING MODIFICATIONS WITH THE ARCHITECT.
   c. PENETRATIONS FOR ALL CONDUITS AND SLEEVES PASSING THROUGH FIRE AND/OR SMOKE RATED WALLS AND FLOORS SHALL BE PROVIDED WITH FIRESTOPPING TO MAINTAIN THE FIRE RATING. REFER TO ARCHITECTURAL PLANS FOR REQUIRED FIRE RATINGS. REFER TO SPECIFICATIONS FOR FIRE STOPPING REQUIREMENTS.
   d. WHERE CONDUITS OR SLEEVES PASS THROUGH FLOORS, WALLS AND PARTITIONS THAT ARE NOT FIRE OR SMOKE RATED, PENETRATIONS SHALL BE SEALED ON THE OUTSIDE OF THE CONDUIT WITH NON-HARDENING SOUND SEALANT CAULK. FOR SLEEVES, PROVIDE REMOVEABLE SOUND ABSORPTIVE MATERIAL WITHIN BOTH ENDS OF SLEEVE.
   e. COORDINATE INSTALLATION OF ALL ITEMS PENETRATING THE EXTERIOR BUILDING ENVELOPE WITH GENERAL CONTRACTOR. ALL PENETRATIONS SHALL BE WEATHER TIGHT.
   f. PATCH AND FIRE STOP OR SEAL ALL ABANDONED EXISTING OPENINGS.
8. REFER TO DIVISION 27 AND 28 DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. COORDINATE CEILING SPACE WITH OTHER TRADES FOR NEW AND EXISTING EQUIPMENT.
10. SYSTEMS SHALL NOT BE SUPPORTED BY MECHANICAL DUCTWORK, MECHANICAL PIPING, SPRINKLER, OR CEILING SYSTEM SUPPORT WIRES. WHERE COORDINATED WITH OTHER TRADES, COMMON SUPPORT STRUCTURES MAY BE UTILIZED.
11. FOR ANY LOCATION WHERE A TEMPERATURE DIFFERENTIAL EXISTS CAUSING CONDENSATION TO OCCUR, INTERIORS OF CONDUITS SHALL BE SEALED WITH DUCT SEAL.
12. WHERE CONDUITS AND CABLE TRAY CROSS BUILDING EXPANSION JOINTS, PROVIDE SUITABLE EXPANSION FITTINGS. UNLESS FITTING IS LISTED FOR BONDING, PROVIDE EXTERNAL BONDING JUMPER.
13. CIRCUIT NUMBERS SHOWN HAVE BEEN CHOSEN TO AID IN DESIGN AND TO PROVIDE CLARITY OF SCOPE OF WORK. ADJUST AS NECESSARY BASED ON FIELD CONDITIONS.
14. ALL 120V RECEPTACLES WITHIN 6' OF SINKS SHALL BE GFCI TYPE.
15. ELECTRICAL CONTRACTOR SHALL REMOVE AND REINSTALL ACOUSTICAL CEILING TILE (ACT) AS REQUIRED TO COMPLETE ELECTRICAL WORK AS INDICATED ON THE PLANS. ANY TILE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
16. PROVIDE UPDATED TYPEWRITTEN CIRCUIT DIRECTORIES AT ALL EXISTING PANELBOARDS WITH NEW OR MODIFIED CIRCUITS.
17. THE BUILDING WILL REMAIN OCCUPIED AND IN USE FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ALL CIRCUITS IN OCCUPIED AREAS. ANY WORK REQUIRING POWER INTERRUPTION TO OCCUPIED AREAS SHALL BE SCHEDULED WITH THE OWNER. AFTER-HOURS WORK MAY BE REQUIRED.
18. NEW DEVICES ON EXISTING WALLS SHALL BE INSTALLED WITH CONCEALED RACEWAY AND FLUSH BOXES. WHERE SURFACE BOXES ARE SHOWN IN FINISHED SPACES, PROVIDE SURFACE METAL RACEWAY.

ELECTRICAL DEMOLITION KEYED NOTES

ED-1	REMOVE EXISTING DEVICE AND REINSTALL AFTER COMPLETION OF NEW CEILING GRID.
ED-2	NOT USED.
ED-3	NOT USED.
ED-4	EXISTING DOWNLIGHTS TO REMAIN. SALVAGE AND PROTECT EXISTING LIGHTING CIRCUIT SERVING FIXTURES FOR REUSE.
ED-5	EXISTING CEILING TO BE REMOVED AND REPLACED. REMOVE EXISTING LIGHT FIXTURES AND REINSTALL AFTER COMPLETION OF NEW CEILING GRID. LIGHTING CONTROLS TO BE REPLACED. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
ED-7	NEW RTU TO BE INSTALLED AT LOCATION OF EXISTING. EXISTING FEED TO BE REUSED.
ED-8	120V ELECTRIC RADIANT CEILING PANEL TO BE REMOVED AND REINSTALLED TO FACILITATE CEILING REPLACEMENT. EXISTING CIRCUIT AND LINE-VOLTAGE T-STAT TO REMAIN AND BE RE-USED.
ED-9	SHADE CONTROLS TO BE RELOCATED.
ED-10	DOOR PUSHBUTTONS TO BE RELOCATED
ED-11	SALVAGE EXISTING NORMAL AND EMERGENCY LIGHTING CIRCUITS IN THE AREA FOR REUSE.
ED-12	REMOVE EXISTING OCCUPANCY SENSOR AND SALVAGE EXISTING OPENING FOR REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
ED-13	DEMOLISH THE WALL AND CEILING PORTIONS OF THE WALL-TO-CEILING LINEAR FIXTURE. REFER TO ARCHITECTURAL FOR WALL PATCHING REQUIREMENTS.

ELECTRICAL KEYED NOTES

E-1	REUSE EXISTING OPENING FOR NEW LIGHTING CONTROLS DEVICE.
E-2	CUT AND FISH EXISTING STUD WALL AS NEEDED TO RECESS NEW DEVICE.
E-3	EXISTING DOWNLIGHTS TO REMAIN. REPROGRAM EXISTING DOWNLIGHT CONTROLS TO NEW LIGHTING CONTROLS SYSTEM SERVING THE SPACE AS INDICATED.
E-4	EXISTING FURNITURE FEED FLOOR ACTIVATION BOX TO BE REUSED FOR NEW FURNITURE. ELECTRICAL CONTRACTOR TO PROVIDE CONNECTIONS NOTED. CIRCUITS NOTED ARE EXISTING CIRCUIT FRO ORIGINAL CONSTRUCTION DOCUMENTS. FIELD VERIFY ACTUAL CIRCUIT NUMBERS.
E-5	EXISTING BRANCH WIRING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION. REMOVE AND REINSTALL DEVICES AND COVERPLATES AS REQUIRED FOR NEW WALL FINISHES.
E-6	CUT AND PATCH FLOOR FOR NEW ON-GRADE FLOOR BOX.
E-7	REINSTALL ALL LIGHT FIXTURES IN THE AREA IN NEW CEILING GRID. PROVIDE NEW LIGHTING CONTROLS AS INDICATED.
E-8	480V, 3-PHASE ELECTRIC REHEAT PROVIDED WITH FUSED DISCONNECT SWITCH. CONNECT TO 480V, 30A SHARED CIRCUIT NOTED.
E-9	EXISTING 2X4 RADIANT CEILING PANEL CONTROLLED BY EXISTING LINE-VOLTAGE T-STAT. REINSTALL IN NEW ACT.
E-10	RELOCATED SHADE CONTROLS.
E-11	EXTENDED EXISTING DOOR OPERATOR CIRCUIT. XLA-3, OPTIONAL STANDBY.
E-12	UTILIZE EXISTING LIGHTING CIRCUIT RETAINED IN THE AREA TO SERVE NEW LIGHTING.
E-13	NOT USED.
E-14	CUT AND PATCH FLOOR FOR NEW FLOORBOX.
E-15	120V CONNECTION TO MOTORIZED PROJECTION SCREEN. PROJECTION SCREEN PROVIDED BY OWNER. INSTALL CONTROL SWITCH.
E-16	MOTORIZED SHADE CONTROL. COORDINATE REQUIREMENTS WITH SHADE SUPPLIER AND GC.
E-17	INSTALL NEW OCCUPANCY SENSOR IN EXISTING OPENING RETAINED DURING DEMOLITION.
E-18	RELOCATE TIMER SWITCH TO ALLOW ROOM FOR NEW ELECTRICAL EQUIPMENT. PROVIDE CHANNEL STRUT AS REQUIRED TO ALLOW EXISTING RACEWAY TO PASS BEHIND EQUIPMENT.
E-19	PROVIDE 120V CONNECTION AND LOW VOLTAGE RACEWAY AND CONDUCTORS TO PLUMBING TRANSFORMERS AND FIXTURES, SEE DETAIL E100/E530 FOR ADDITIONAL REQUIREMENTS. REVIEW SPECIFIC INTERCONNECTION REQUIREMENTS WITH THE SPECIFIC PLUMBING FIXTURE BEING PROVIDED PRIOR TO BID. THE INSTALLATION REQUIREMENTS VARY SLIGHTLY BETWEEN DIFFERENT MANUFACTURERS.

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REVISION ISSUE DATE & TITLE

3 08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

Electrical Notes and Symbols

DATE
07.23.2026

DRAWING NUMBER
E000

BID SET

PROJECT NUMBER
25030

1 T111.B TECHNOLOGY PLAN - LEVEL 1 - Area B (Northwest)
1/8" = 1'-0"

KEYED NOTES

STRUCTURED CABLING DEVICE KEY

INFORMATION OUTLET

- # X - INDICATES INTENDED NETWORK EQUIPMENT SERVED BY DATA JACK.
- # X - # - INDICATES CABLE AND JACK QUANTITY. OMISSION OF THIS LABEL INDICATES THAT THE QUANTITY IS ONE.

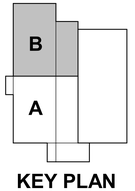
EQUIPMENT ABBREVIATIONS

AP	- WIRELESS ACCESS POINT
CAM	- CAMERA
EP	- EMERGENCY COMMUNICATION DEVICE
ERRCS	- EMERGENCY RESPONDER RADIO COMM SYSTEM
PR	- PRINTER
RS	- ROOM SCHEDULER
FACP	- FIRE ALARM CONTROL PANEL
PJ	- PROJECTOR

NEW WORK KEY

- EXISTING
- NEW / REVISED
- EXISTING EQUIPMENT
- NEW / REVISED EQUIPMENT

KEY PLAN



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REVISION
ISSUE
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3	08/18/26 ADD 03

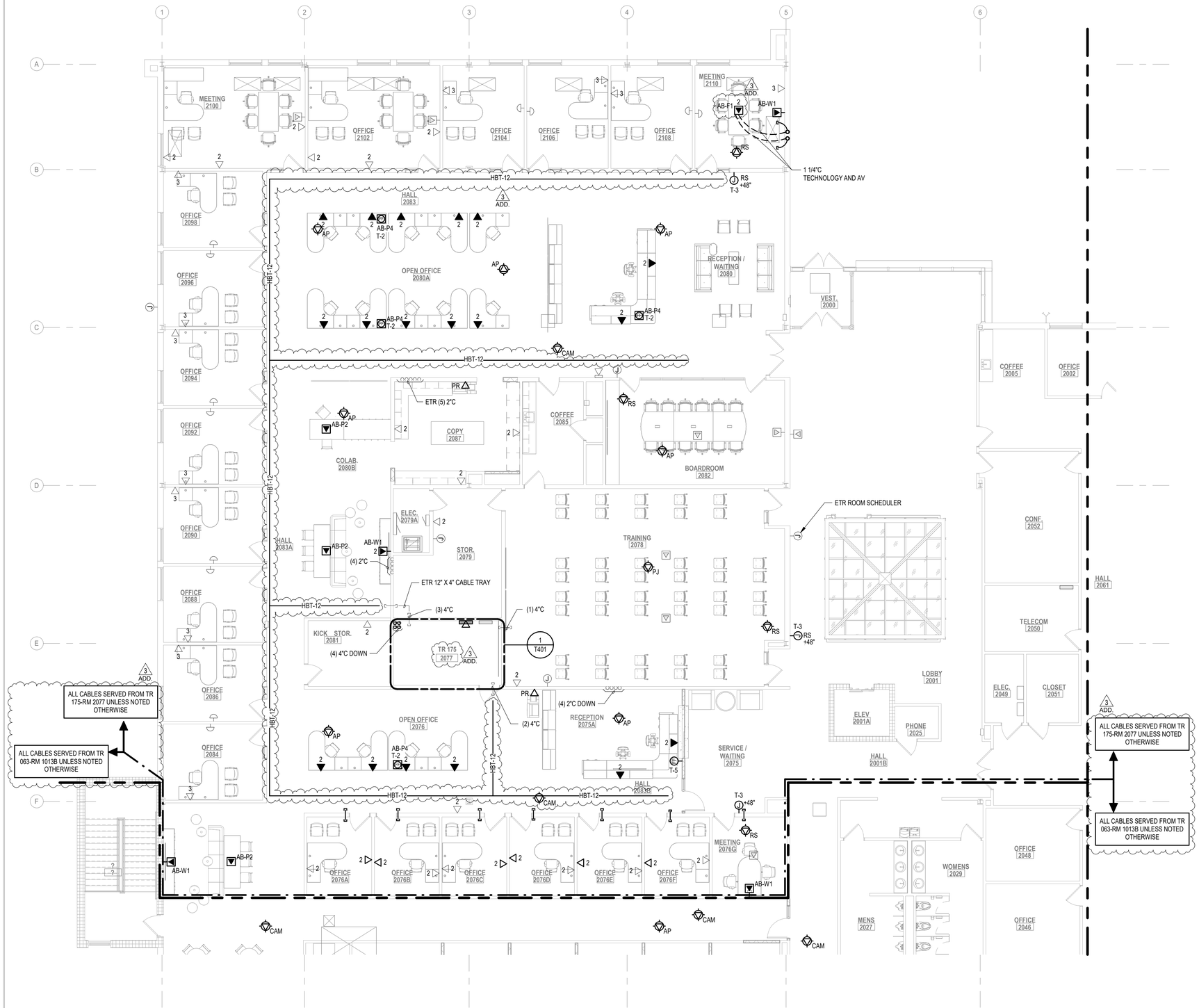
1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

Technology Plan - Level 1 - Area B

DATE
07.23.2026
DRAWING NUMBER
T111.B
PROJECT NUMBER
25030

BID SET



1 T112.B TECHNOLOGY PLAN - LEVEL 2 - Area B (Northwest)
1/8" = 1'-0"

KEYED NOTES

T-2	OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE FLOOR BOX / FURNITURE FEED CABLING DOWN TO PLAN LEVEL 1, THROUGH EXISTING J-HOOK PATHWAY WHERE AVAILABLE, AND PROVIDE ADDITIONAL J-HOOKS AS REQUIRED TO COMPLETE THE CABLING ROUTE. ROUTE CABLING TO TELECOMMUNICATIONS ROOM 100 VIA EXISTING 4" PATHWAY. COORDINATE J-HOOK ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
T-3	AT EXISTING WALL, DIVISION 26 INSTALLER SHALL PROVIDE FLUSH-MOUNTED OUTLET BOX AS SCHEDULED. OMIT CONDUIT WITHIN THE EXISTING WALL. OWNER / OWNER'S REPRESENTATIVE SHALL FISH ROOM SCHEDULER CABLING CONCEALED WITHIN THE WALL FROM THE OUTLET BOX TO THE TOP OF WALL. DIVISION 26 INSTALLER SHALL PROVIDE CONDUIT FROM THE CABLE EXIT AT THE TOP OF WALL THROUGH THE EXPOSED / OPEN CEILING AREA TO THE ACCESSIBLE COMMUNICATIONS CABLE PATHWAY. PATCH AND REPAIR EXISTING WALL FINISHES DISTURBED BY THE WORK TO MATCH ADJACENT SURFACES. CABLING SHALL NOT BE EXPOSED WITHIN THE FINISHED OCCUPIED WALL AREA
T-5	OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE HORIZONTAL COMMUNICATIONS CABLING THROUGH THE FURNITURE FEED TO THE DATA OUTLETS AT THE DESK. COORDINATE FINAL CABLING ROUTE AND CONNECTIONS WITH THE FURNITURE INSTALLATION.

STRUCTURED CABLING DEVICE KEY

INFORMATION OUTLET

- #/X — X - INDICATES INTENDED NETWORK EQUIPMENT SERVED BY DATA JACK.
- #/X — # - INDICATES CABLE AND JACK QUANTITY. OMISSION OF THIS LABEL INDICATES THAT THE QUANTITY IS ONE.

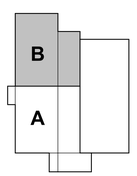
EQUIPMENT ABBREVIATIONS

AP	- WIRELESS ACCESS POINT
CAM	- CAMERA
EP	- EMERGENCY COMMUNICATION DEVICE
ERRCS	- EMERGENCY RESPONDER RADIO COMM SYSTEM
PR	- PRINTER
RS	- ROOM SCHEDULER
FACP	- FIRE ALARM CONTROL PANEL
PJ	- PROJECTOR

NEW WORK KEY

- EXISTING
- NEW / REVISED
- EXISTING EQUIPMENT
- NEW / REVISED EQUIPMENT

KEY PLAN



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REVISION ISSUE DATE & TITLE
1 08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Technology Plan - Level 2 - Area B

DATE 07.23.2026
DRAWING NUMBER T112.B
PROJECT NUMBER 25030

BID SET

3
ADD.

COMMUNICATION HORIZONTAL CABLING SCHEDULE

KEY: FIR: FURNISH AND INSTALLATION RESPONSIBILITY
CFCI: CONTRACTOR FURNISHED - CONTRACTOR INSTALLED
OFCI: OWNER FURNISHED - CONTRACTOR INSTALLED
CFOI: CONTRACTOR FURNISHED - OWNER INSTALLED
OFOI: OWNER FURNISHED - OWNER INSTALLED

GENERAL NOTES:
1 THE OWNER / OWNER'S REPRESENTATIVE SHALL FURNISH, INSTALL, TERMINATE, LABEL, AND TEST ALL HORIZONTAL COMMUNICATIONS CABLING AND ASSOCIATED CONNECTIVITY.

NOTES:
1 ROUGH-IN ONLY. PROVIDE 5" SQUARE BOX WITH SINGLE-GANG MUD RING CENTERED AT 48" AFF. PROVIDE 1-1/4" CONDUIT TO ACCESSIBLE CEILING UNLESS NOTED OTHERWISE.

PLAN MARKS	DESCRIPTION	FIR	PART NO.	REMARKS	NOTES
D2	CABLE, DATA BRANCH, 6A, PLENUM	OFOI	REFER TO SPEC		
PC	PATCH CABLE, CAT6A, BLUE, VARIOUS LENGTHS	OFOI	REFER TO SPEC		

PLAN MARKS	DESCRIPTION	FIR	PART NO.	REMARKS	NOTES
AP	WIRELESS ACCESS POINT	OFOI			
HBT-12	HORIZONTAL BASKET TRAY, 12"W X 4"H	CFCI	REFER TO SPEC	COORDINATE EXACT PLACEMENT AND ACCESS WITH OWNER	
HCM-2	HORIZONTAL CABLE MANAGER, 2 RU	OFOI	REFER TO SPEC		
PP-2	PATCH PANEL, ANGLED, 48-PORT, 2U	OFOI	REFER TO SPEC		
RS	ROOM SCHEDULER ROUGH-IN	CFCI		ROUGH-IN ONLY.	1

PLAN MARKS	DESCRIPTION	FIR	PART NO.	REMARKS	NOTES
PDU	POWER DISTRIBUTION UNIT, 1 RU	OFOI			
DR-7	DATA RACK, 2-POST	OFOI			
RGB	RACK GROUNDING BAR, 1 RU	OFOI			
VCM-1	VERTICAL CABLE MANAGER, 10"W	OFOI			

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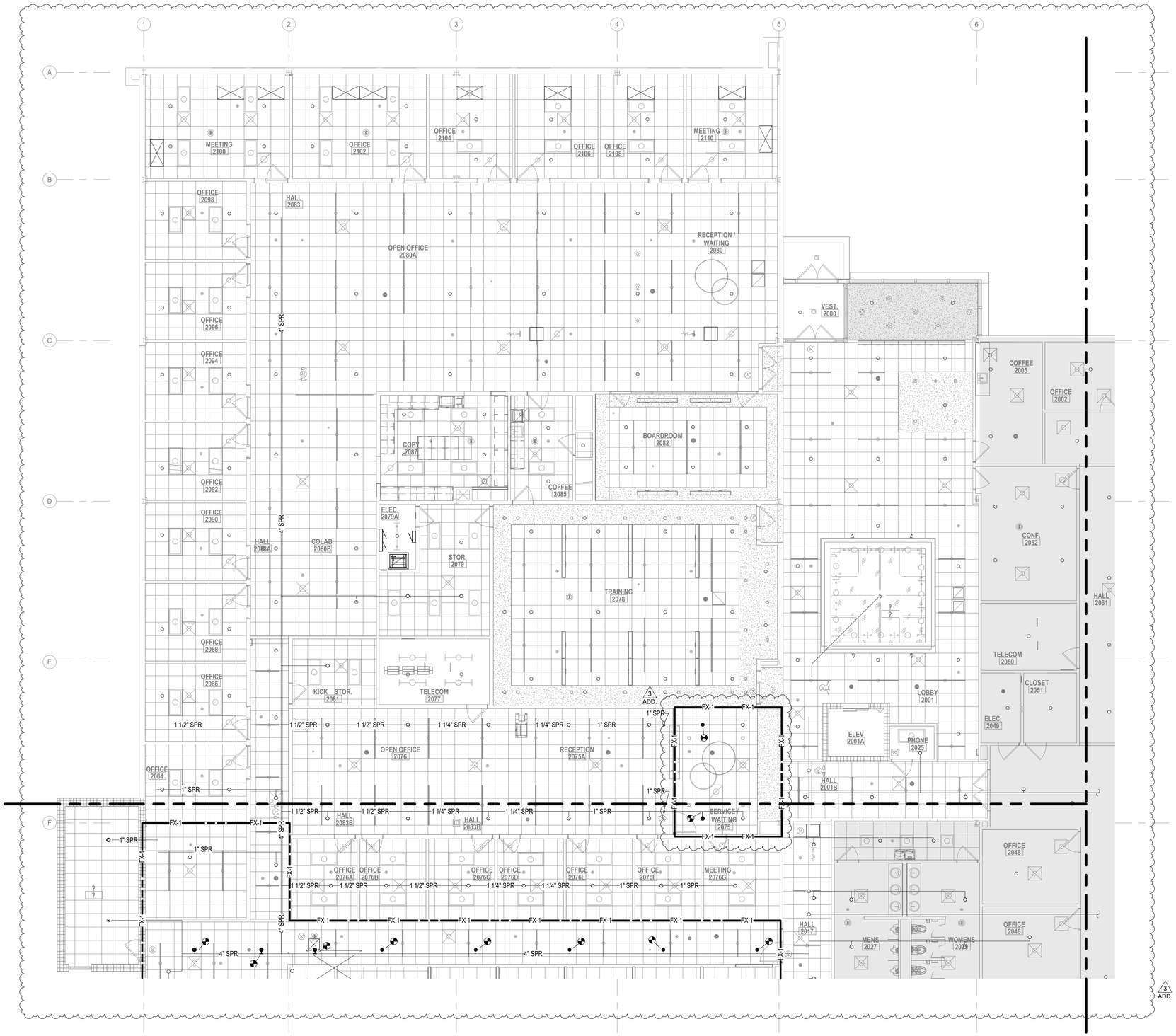
1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Technology Schedules and Details

DATE
07.23.2026
DRAWING NUMBER
T500
PROJECT NUMBER
25030

BID SET



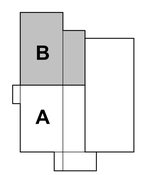
1 FX112.B FIRE SUPPRESSION PLAN - LEVEL 2 - Area B (Northwest)
1/8" = 1'-0"

KEYED NOTES

FX-1	PROVIDE NEW SPRINKLER HEADS AND ASSOCIATED BRANCH PIPING TO ACCOMMODATE REVISED FLOOR PLAN AND CEILINGS IN THIS AREA.

DEMOLITION KEY
- TO REMAIN
- TO BE REMOVED / REVISED

SPRINKLER HEAD DEMO KEY PLAN
- TO BE REMOVED/ REVISED
- EXISTING TO REMAIN



KEY PLAN

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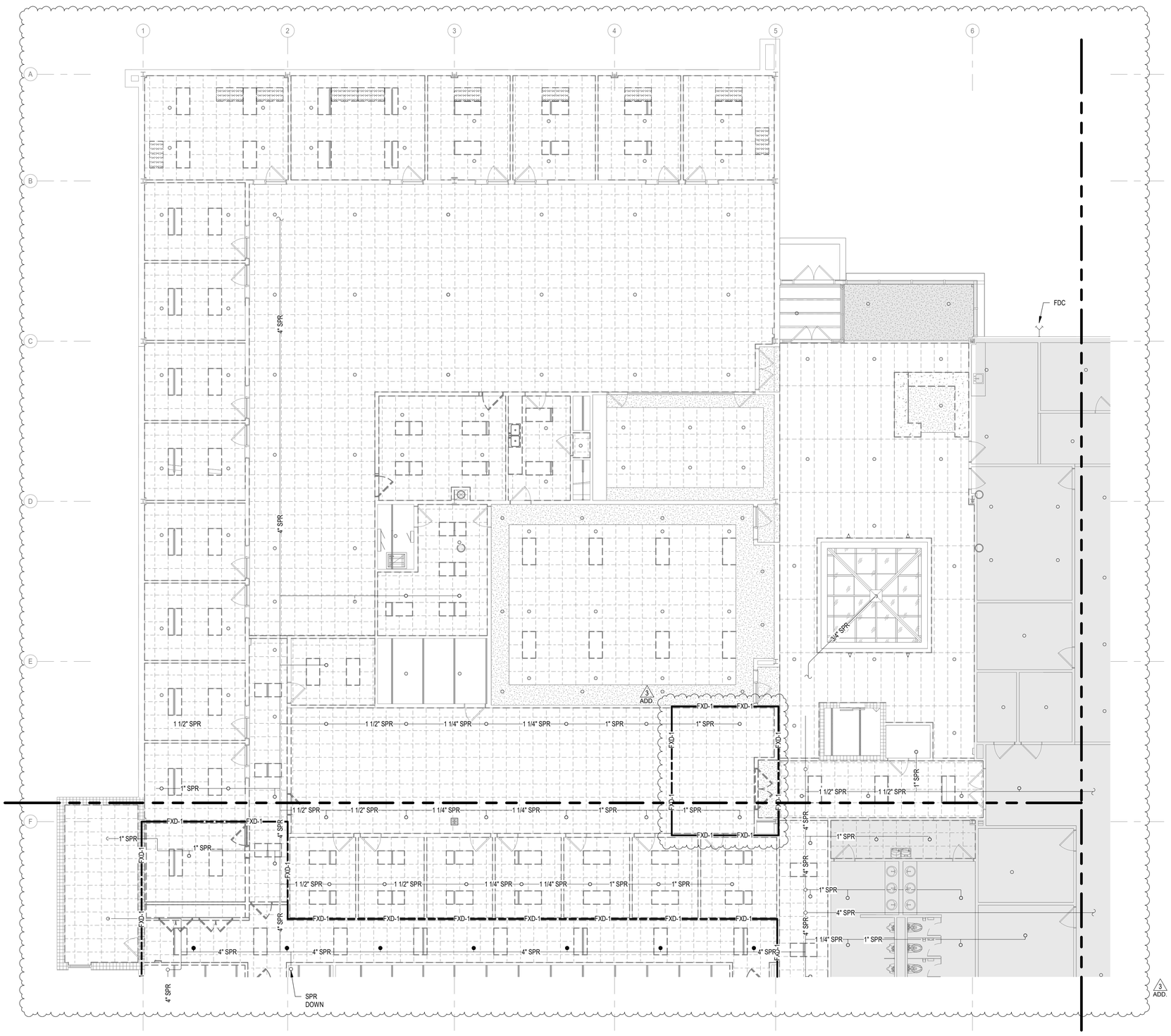
REVISION ISSUE DATE & TITLE	
3	08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Fire Suppression Plan - Level 2 - Area B

DATE 07.23.2026
DRAWING NUMBER FX112.B
BID SET
PROJECT NUMBER 25030

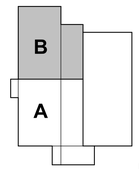


1 FXD112.B FIRE SUPPRESSION DEMOLITION PLAN - LEVEL 2 - Area B (Northwest)
1/8" = 1'-0"

KEYED NOTES	
FXD-1	REMOVE EXISTING SPRINKLER HEADS AND BRANCH PIPING IN PREPARATION FOR INSTALLING NEW SPRINKLER HEADS AND BRANCH PIPING TO ACCOMMODATE REVISED FLOOR PLAN AND CEILINGS IN THIS AREA.

NEW WORK KEY
- EXISTING
- NEW / REVISED

SPRINKLER HEAD NEW WORK KEY PLAN
- NEW/REVISED
- EXISTING TO REMAIN



KEY PLAN

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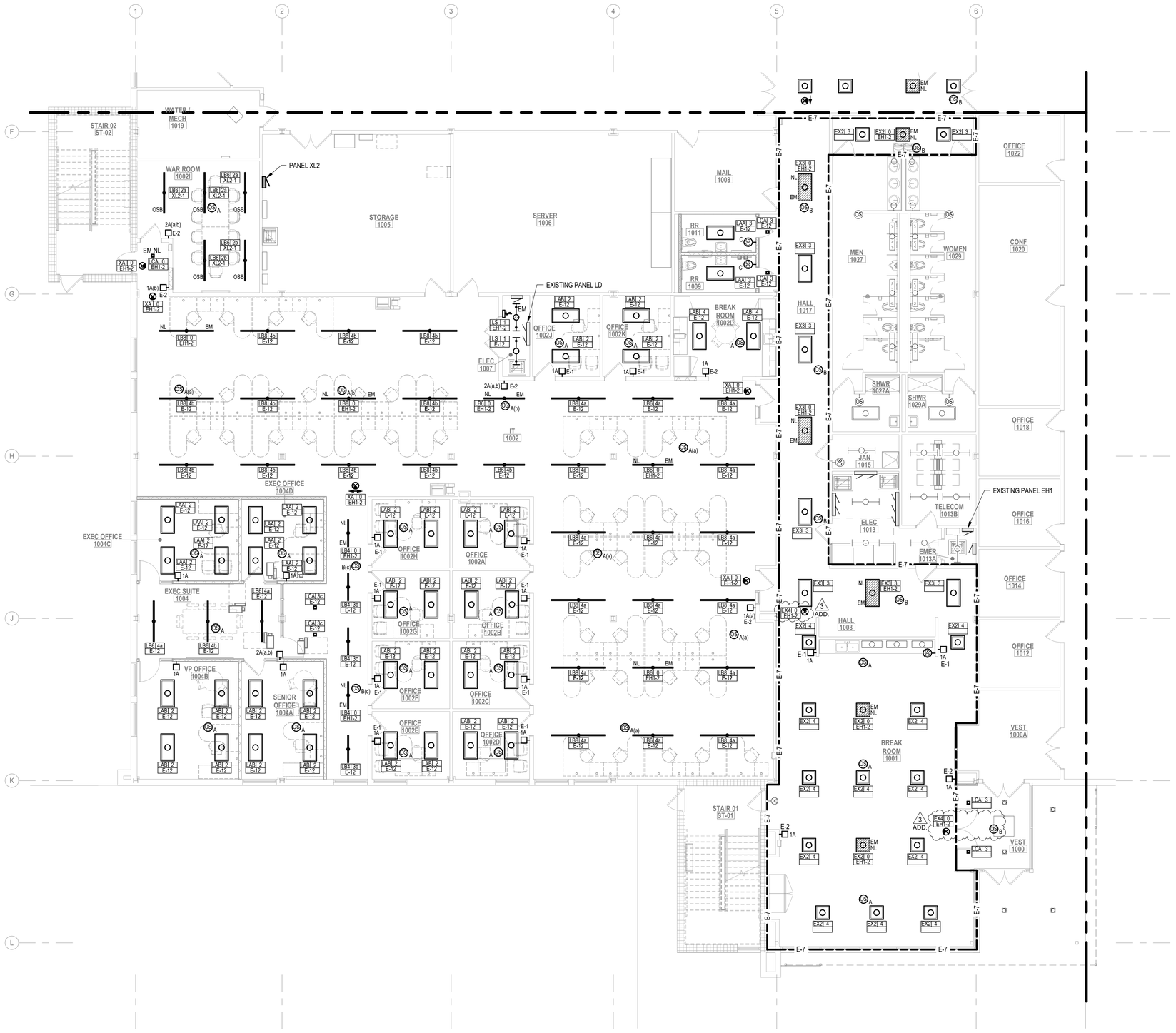
REVISION ISSUE DATE & TITLE
3 08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Fire Suppression Demolition Plan - Level 2 - Area B

DATE 07.23.2026
DRAWING NUMBER FXD112.B
BID SET
PROJECT NUMBER 25030

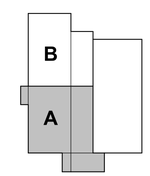


1 E111.A
LIGHTING PLAN - LEVEL 1 - Area A (Southwest)
1/8" = 1'-0"

KEYED NOTES	
E-1	REUSE EXISTING OPENING FOR NEW LIGHTING CONTROLS DEVICE.
E-2	CUT AND FISH EXISTING STUD WALL AS NEEDED TO RECESS NEW DEVICE.
E-7	REINSTALL ALL LIGHT FIXTURES IN THE AREA IN NEW CEILING GRID. PROVIDE NEW LIGHTING CONTROLS AS INDICATED.
E-12	UTILIZE EXISTING LIGHTING CIRCUIT RETAINED IN THE AREA TO SERVE NEW LIGHTING.

LIGHTING/SWITCHING KEY
LIGHTING
FIXTURE TYPE PER SCHEDULE — XXXX ##X — LIGHTING CONTROLS OPERATION SEQUENCE (0,1,2,...) PER DETAILS SHEETS; SWITCHING ZONE (a,b,c...); CIRCUIT DATA: PANEL NAME-CIRCUIT NUMBER (XXXX-###) OR CIRCUIT NOTE (E-#)
EM: EMERGENCY FIXTURE OSB: OPTIONAL STANDBY CR: CRITICAL NL: NIGHT LIGHT
COORDINATE CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN
SWITCHING
#X(x,x) - LIGHTING CONTROL STATION
#X - INDICATES SWITCH CONTROLS, REFER TO LIGHTING CONTROL STATION CONFIGURATION DETAIL (x,x) - INDICATES SWITCHING ZONE(S) +## - DIMENSION INDICATES HEIGHT TO CENTER OF SWITCH ABOVE FINISH FLOOR (+46" TO CENTER IF NOT SHOWN)

NEW WORK KEY
EXISTING
NEW / REVISED
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT



KEY PLAN

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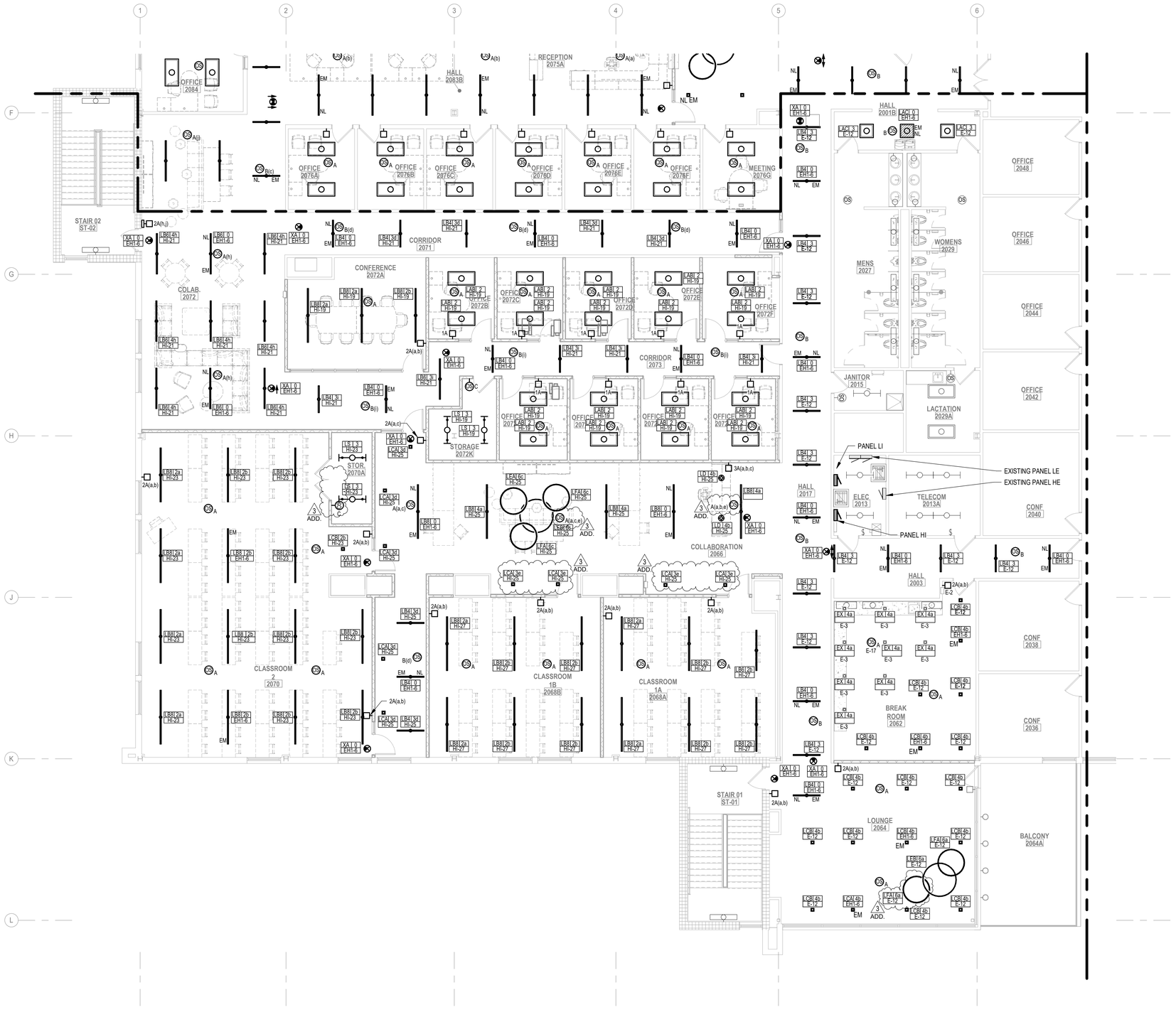
REVISION ISSUE DATE & TITLE	
3	08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

Lighting Plan - Level 1 - Area A

DATE 07.23.2026
DRAWING NUMBER E111.A
BID SET
PROJECT NUMBER 25030



1 E112.A LIGHTING PLAN - LEVEL 2 - Area A (Southwest)
1/8" = 1'-0"

KEYED NOTES	
E-2	CUT AND FISH EXISTING STUD WALL AS NEEDED TO RECESS NEW DEVICE.
E-3	EXISTING DOWNLIGHTS TO REMAIN. REPROGRAM EXISTING DOWNLIGHT CONTROLS TO NEW LIGHTING CONTROLS SYSTEM SERVING THE SPACE AS INDICATED.
E-12	UTILIZE EXISTING LIGHTING CIRCUIT RETAINED IN THE AREA TO SERVE NEW LIGHTING.
E-17	INSTALL NEW OCCUPANCY SENSOR IN EXISTING OPENING RETAINED DURING DEMOLITION.

LIGHTING/SWITCHING KEY
LIGHTING
FIXTURE TYPE PER SCHEDULE — XXXX##x — LIGHTING CONTROLS OPERATION SEQUENCE (0,1,2,...) PER DETAILS SHEETS; SWITCHING ZONE (a,b,c...); CIRCUIT DATA: PANEL NAME-CIRCUIT NUMBER (XXXX-###) OR CIRCUIT NOTE (E-#)
EM: EMERGENCY FIXTURE OSB: OPTIONAL STANDBY CR: CRITICAL NL: NIGHT LIGHT
COORDINATE CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN
SWITCHING
#X(x,x) - LIGHTING CONTROL STATION #X - INDICATES SWITCH CONTROLS, REFER TO LIGHTING CONTROL STATION CONFIGURATION DETAIL (x,x) - INDICATES SWITCHING ZONE(S) '+##" - DIMENSION INDICATES HEIGHT TO CENTER OF SWITCH ABOVE FINISH FLOOR (+46" TO CENTER IF NOT SHOWN)

NEW WORK KEY
EXISTING
NEW / REVISED
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT

KEY PLAN

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REVISION ISSUE DATE & TITLE
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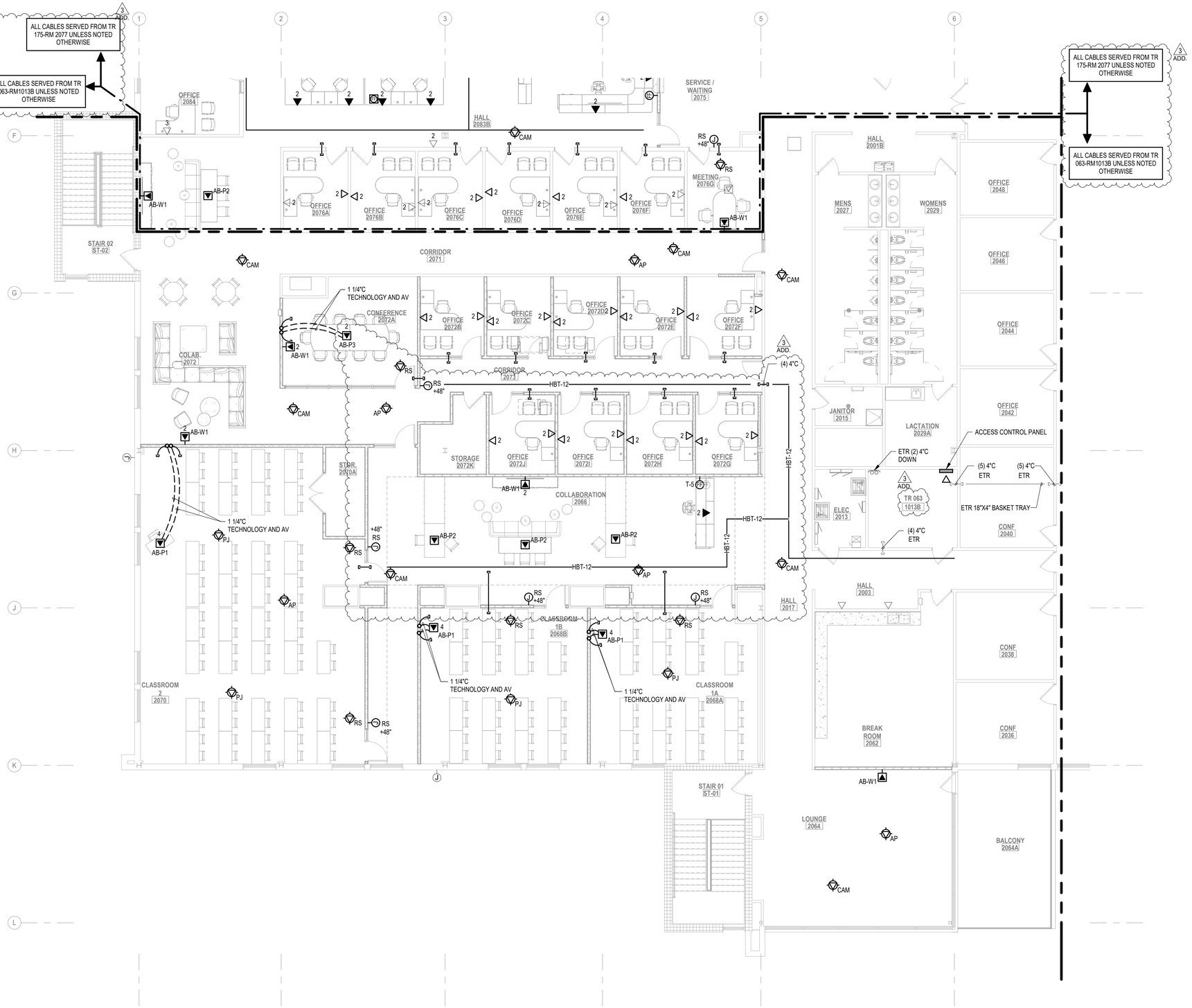
1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Lighting Plan - Level 2 - Area A

DATE 07.23.2026
DRAWING NUMBER E112.A
BID SET
PROJECT NUMBER 25030

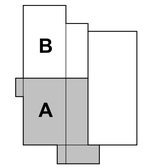


KEYED NOTES	
T-5	OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE HORIZONTAL COMMUNICATIONS CABLING THROUGH THE FURNITURE FEED TO THE DATA OUTLETS AT THE DESK. COORDINATE FINAL CABLING ROUTE AND CONNECTIONS WITH THE FURNITURE INSTALLATION.

STRUCTURED CABLING DEVICE KEY	
INFORMATION OUTLET	
#/X	X - INDICATES INTENDED NETWORK EQUIPMENT SERVED BY DATA JACK.
#/X	# - INDICATES CABLE AND JACK QUANTITY. OMISSION OF THIS LABEL INDICATES THAT THE QUANTITY IS ONE.
EQUIPMENT ABBREVIATIONS	
AP	- WIRELESS ACCESS POINT
CAM	- CAMERA
EP	- EMERGENCY COMMUNICATION DEVICE
ERRCS	- EMERGENCY RESPONDER RADIO COMM SYSTEM
PR	- PRINTER
RS	- ROOM SCHEDULER
FACP	- FIRE ALARM CONTROL PANEL
PJ	- PROJECTOR

NEW WORK KEY
EXISTING
NEW / REVISED
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT

KEY PLAN



1 T112.A — TECHNOLOGY PLAN - LEVEL 2 - Area A (Southwest)
1/8" = 1'-0"

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1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Technology Plan - Level 2 - Area A

DATE 07.23.2026
DRAWING NUMBER T112.A
BID SET
PROJECT NUMBER 25030

KEYED NOTES	
M-1	INSTALL EXISTING SALVAGED THERMOSTAT AT NEW LOCATION.
M-3	INSTALL NEW DIFFUSER IN SAME LOCATION (TYP).

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REVISION ISSUE DATE & TITLE	
1	08/04/26 ADD 01
3	08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

Ductwork Plan - Level 2 - Area A

1 M122.A DUCTWORK PLAN - LEVEL 2 - Area A (Southwest)
1/8" = 1'-0"

NEW WORK KEY
- EXISTING
- NEW / REVISED
- EXISTING EQUIPMENT
- NEW / REVISED EQUIPMENT

KEY PLAN

DATE 07.23.2026
DRAWING NUMBER M122.A
BID SET
PROJECT NUMBER 25030

KEYED NOTES	
M-1	INSTALL EXISTING SALVAGED THERMOSTAT AT NEW LOCATION.
M-3	INSTALL NEW DIFFUSER IN SAME LOCATION (TYP).

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REVISION ISSUE DATE & TITLE	
1	08/04/26 ADD 01
3	08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

Ductwork Plan - Level 1 - Area A

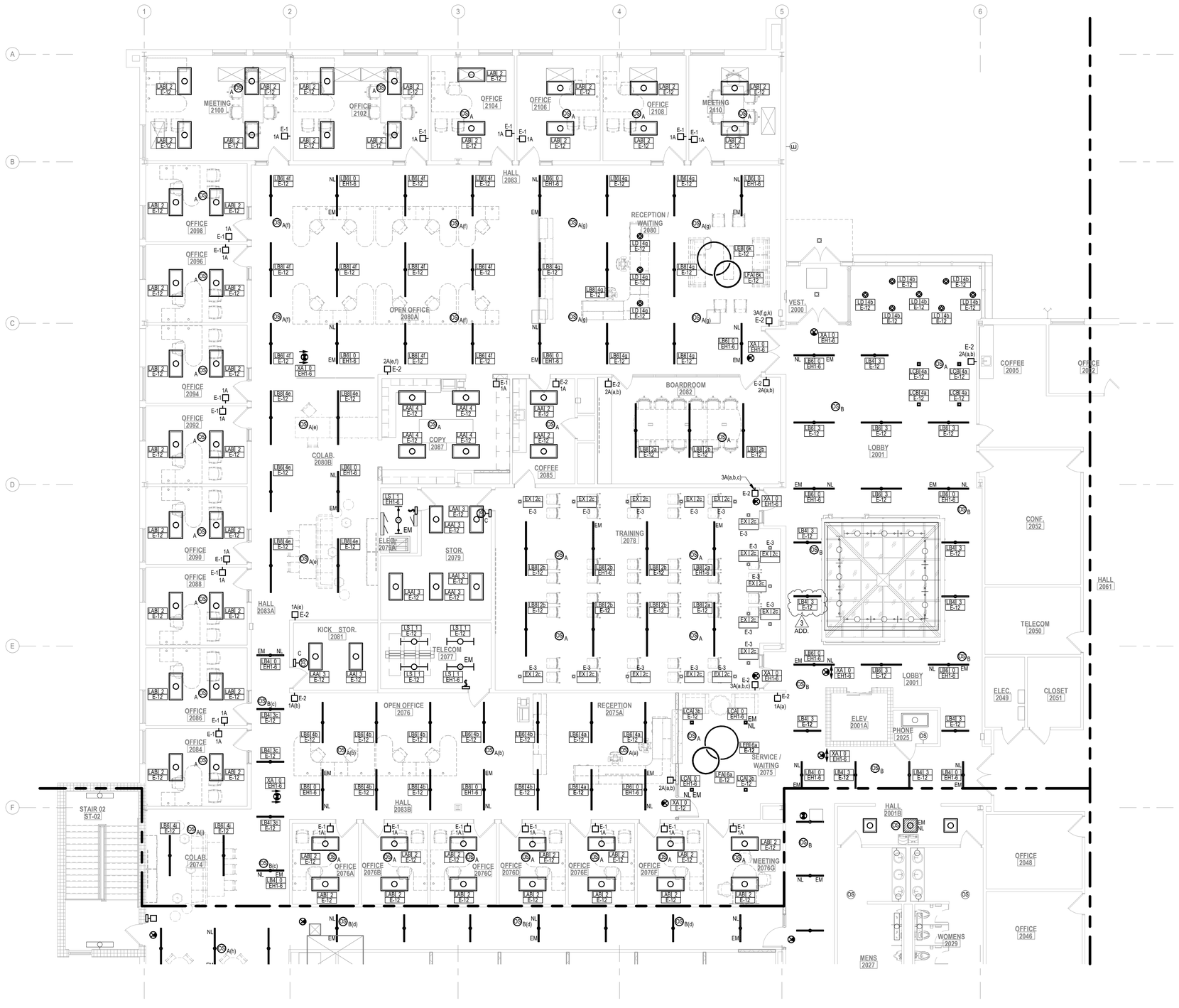
1 M121.A DUCTWORK PLAN - LEVEL 1 - Area A (Southwest)
1/8" = 1'-0"

NEW WORK KEY
- EXISTING
- NEW / REVISED
- EXISTING EQUIPMENT
- NEW / REVISED EQUIPMENT

KEY PLAN

DATE 07.23.2026
DRAWING NUMBER M121.A
PROJECT NUMBER 25030

BID SET

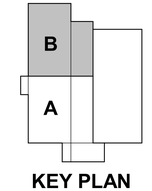


1 E112.B LIGHTING PLAN - LEVEL 2 - Area B (Northwest)
1/8" = 1'-0"

KEYED NOTES	
E-1	REUSE EXISTING OPENING FOR NEW LIGHTING CONTROLS DEVICE.
E-2	CUT AND FISH EXISTING STUD WALL AS NEEDED TO RECESS NEW DEVICE.
E-3	EXISTING DOWNLIGHTS TO REMAIN. REPROGRAM EXISTING DOWNLIGHT CONTROLS TO NEW LIGHTING CONTROLS SYSTEM SERVING THE SPACE AS INDICATED.
E-12	UTILIZE EXISTING LIGHTING CIRCUIT RETAINED IN THE AREA TO SERVE NEW LIGHTING.

LIGHTING/SWITCHING KEY
LIGHTING
FIXTURE TYPE PER SCHEDULE — XXXX|##| — LIGHTING CONTROLS OPERATION SEQUENCE (0,1,2...) PER DETAILS SHEETS; SWITCHING ZONE (a,b,c...); CIRCUIT DATA: PANEL NAME-CIRCUIT NUMBER (XXXX-###) OR CIRCUIT NOTE (E-#)
EM: EMERGENCY FIXTURE OSB: OPTIONAL STANDBY CR: CRITICAL NL: NIGHT LIGHT
COORDINATE CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN
SWITCHING
#X(x,x) - LIGHTING CONTROL STATION
#X - INDICATES SWITCH CONTROLS, REFER TO LIGHTING CONTROL STATION CONFIGURATION DETAIL (x,x) - INDICATES SWITCHING ZONE(S) "##" - DIMENSION INDICATES HEIGHT TO CENTER OF SWITCH ABOVE FINISH FLOOR (+46" TO CENTER IF NOT SHOWN)

NEW WORK KEY
EXISTING
NEW / REVISED
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT



KEY PLAN

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REVISION ISSUE DATE & TITLE	
3	08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

Lighting Plan - Level 2 - Area B

DATE 07.23.2026
DRAWING NUMBER E112.B
BID SET
PROJECT NUMBER 25030

ROOF TOP UNIT AIR CONDITIONER SCHEDULE

PLAN MARK	AIRFLOW (CFM)	MIN O.A. (CFM)	SP (IN WC) EXT	(RPM)	(BHP)	(HP)	SELF CONTAINED COOLING CAP (MBH) TOT	MIN	EER	EAT (DEG F) DB	WB	LAT (DEG F)	AMB. DB	REFRIG.	HEATING INPUT (MBH)	OUTPUT (MBH) ACTUAL	MIN	GAS PRESS. (IN WC) MAX	AIR TEMP. (DEG F) ENT	LVG	ELECTRICAL (VOLTS)	(PH)	MCA	SCCR	DIMENSIONS L x W x H (IN)	WEIGHT (LB)	MANUFACTURER/ MODEL # (NOTE 1)	NOTES
RTU-1A	1500	325	1.25	988	0.59	3	51.6	50	14.3	78.6	65.7	56.8	105	R-454B	80	64.8	60.60	14	4.5	47.5	84.9	460	3	21	5kA	80.1 X 53.3 X 50.9	1203	YZK060A4SAL	1,3,4
RTU-1B	1500	290	1.25	988	0.59	3	51.5	50	14.3	78.2	65.4	56.7	105	R-454B	80	64.8	56.70	14	4.5	49.9	84.9	460	3	21	5kA	80.1 X 53.3 X 50.9	1203	YZK060A4SAL	1,2,4
RTU-2	950	150	1.25	934	0.44	3	30.2	30.2	14.3	77.6	64.9	56.42	105	R-454B	80	64.8	61.50	14	4.5	53.4	113.4	460	3	16	5kA	80.1 X 53.3 X 50.9	1194	YZK036A4SAL	1,2,4
RTU-3	900	200	1.25	929	0.43	3	31.1	31	14.3	79.8	66.7	57.7	105	R-454B	80	64.8	61.70	14	4.5	40.8	104.3	460	3	16	5kA	80.1 X 53.3 X 50.9	1194	YZK036A4SAL	1,2,4
RTU-28	1200	160	1.25	960	0.5	3	39.6	39	14.3	77.2	64.5	53.17	105	R-454B	80	64.8	62.50	14	4.5	55.9	104.1	460	3	21	5kA	80.1 X 53.3 X 50.9	1199	YZK048A4SAL	1,3,4,6
RTU-29	3750	685	1	1025	1.35	(2) 3	131.6	112.4	13.6	78.0	65.2	56	105	R-454B	250	202	199.30	14	4.5	46.4	95.6	460	3	44	65kA	123.0 X 87.0 X 66.0	2621	YZK150A4SBH	1,2,4,5
RTU-30	900	175	1	838	0.32	3	30.6	29.6	14.3	79.0	66.0	56.8	105	R-454B	80	64.8	64.40	14	4.5	49.7	116.0	460	3	16	5kA	80.1 X 53.3 X 50.9	1194	YZK036A4SAL	1,2,4,5
RTU-31	3000	650	1	1211	1.22	4.6	102	103	12.3	78.6	65.7	56	105	R-454B	250	202	191.20	14	4.5	47.5	109	460	3	36	65kA	99.6 X 63.1 X 50.9	1660	YZK120A4SBH	1,2,4,5
RTU-32	1500	215	1.25	988	0.59	3	53.3	44	14.3	77.4	64.7	57	105	R-454B	80	64.8	62.70	14	4.5	54.9	93.6	460	3	21	5kA	80.1 X 53.3 X 50.9	1203	YZK060A4SAL	1,2,4,6
RTU-33	1500	325	1	900	0.46	3	53.3	49	14.3	78.6	65.7	56	105	R-454B	100	81	78.70	14	4.5	47.5	96.1	460	3	21	5kA	80.1 X 53.3 X 50.9	1203	YZK060A4SAL	1,2,4,5

NOTES:
1. **UNIT INFORMATION FOR REFERENCE ONLY. UNIT AND ROOF CURB/ADAPTER CURB FURNISHED BY OWNER FOR INSTALLATION BY CONTRACTOR.**
2. INSTALL NEW UNIT WITH NEW CURB AND NEW OPENINGS IN EXISTING ROOF.
3. INSTALL NEW UNIT WITH CURB ADAPTER TO EXISTING ROOF CURB WHERE EXISTING ROOFTOP UNIT WAS REMOVED.
4. PROVIDE CONDENSATE DRAIN LINE CONNECTED TO DRAIN PAN WITH TRAP, DIRECTED TOWARD NEAREST ROOF DRAIN.
5. PROVIDE UNIT WITH DEMAND CONTROL VENTILATION.
6. UNIT TO ACCOMPANY TERMINAL UNITS FOR ZONE CONTROL.

1 ADD.

DIFFUSER AND GRILLE SCHEDULE

PLAN MARK	TYPE	MODEL NUMBER (NOTE 1)	DESCRIPTION	MOUNTING (NOTE 2)	COLOR (NOTE 3)	REMARKS	NOTES
1a	SUPPLY DIFFUSER	SCD	STEEL LOUVERED DIFFUSER	LAY-IN	STANDARD WHITE	24" X 24"	6
2a	SUPPLY DIFFUSER	520	STEEL LOUVERED DOUBLE DEFLECTION DIFFUSER	SURFACE	WHITE PRIME COAT, FIELD PAINTED	BLADES AT 15 DEG. UP, 22 DEG. 2-WAY, 3/4" SPACING	4
3a	SUPPLY DIFFUSER	TBD7	STEEL FIXED LINEAR DIFFUSER	LAY-IN	STANDARD WHITE	48", 2 SLOT, 2-WAY THROW	7
10a	RETURN GRILLE	PDDR	STEEL PERFORATED GRILLE	LAY-IN	STANDARD WHITE	24" X 24"	
11a	RETURN GRILLE	530	STEEL LOUVERED SINGLE DEFLECTION GRILLE	SURFACE	WHITE PRIME COAT, FIELD PAINTED	FIXED BLADES AT 45 DEG., 3/4" SPACING	5
20a	EXHAUST GRILLE	PDDR	STEEL PERFORATED GRILLE	LAY-IN	STANDARD WHITE	24" X 24"	
30a	TRANSFER GRILLE	PDDR	STEEL PERFORATED GRILLE	LAY-IN	STANDARD WHITE	24" X 24"	
-	EXISTING GRILLE	NA	EXISTING GRILLE TO REMAIN	NA		REBALANCE EXISTING GRILLE AS INDICATED ON PLANS	

NOTES:
1. SELECTIONS BASED ON PRICE INDUSTRIES. INSTALLING CONTRACTOR TO SET AND ADJUST AIRFLOW DIRECTIONS AS NOTED.
2. COORDINATE T-GRID STYLE/SIZE FOR LAY-IN DIFFUSER/GRILLES WITH CEILING CONTRACTOR.
3. FINISH TO BE POWDER COAT OR ELECTRO COAT PROCESS. PRIME COAT FINISHES TO BE FIELD PAINTED, COLOR BY ARCHITECT.
4. FRONT BLADES TO BE HORIZONTAL, REAR BLADES TO BE VERTICAL. MOUNTING TO BE FRONT MOUNTED SCREWS.
5 BLADES TO BE HORIZONTAL. MOUNTING TO BE FRONT MOUNTED SCREWS.
6. PROVIDE OPTIONAL 4TH CONE.
7. PROVIDE DIFFUSER/GRILLE WITH 1/2" INTERNALLY INSULATED PLENUM AS SHOWN ON PLANS.

DUCT INSULATION SCHEDULE (NOTE 1)

SPACE TYPE	SERVICE (NOTE 2)	CONSTRUCTION	SYSTEM TYPE/APPLICATION	DUCT LINER (NOTE 3)	DUCT COVERING (NOTE 4)	PRE-INSULATED (NOTE 5)	RIGID COVERING (NOTE 4)	UN-INSULATED
CONDITIONED OR TEMPERED (NOTE 6, 7)	SUPPLY AIR - CONCEALED	ROUND	GENERAL	-	1-1/2"	-	-	-
		RECTANGULAR	GENERAL (NOTE 8)	1"	-	-	-	-
	SUPPLY AIR - EXPOSED	ROUND	DOUBLE WALL, BETWEEN LAYERS	-	-	1"	-	-
			SINGLE WALL, W/DUCT LINER	1"	-	-	-	-
		RECTANGULAR	GENERAL (NOTE 8)	1"	-	-	-	-
	SUPPLY AIR - GENERAL	FLEX DUCT	-	-	-	1-1/2"	-	-
		FLEX CONNECTOR	-	-	1-1/2"	-	-	-
		EQUIPMENT	VAV REHEAT COILS, DUCT MOUNTED COILS, SUPPLY AIR VALVES, FILTER HOUSINGS, SOUND ATTENUATORS, ETC.	-	1-1/2"	-	-	-
	RETURN AIR	ROUND	GENERAL	-	-	-	-	UNINSULATED
		RECTANGULAR	GENERAL	1"	-	-	-	-
		FLEX DUCT	-	-	-	1-1/2"	-	-
		FLEX CONNECTOR	-	-	-	-	-	UNINSULATED
	EXHAUST/ RELIEF AIR	ROUND	GENERAL	-	-	-	-	UNINSULATED
		RECTANGULAR	GENERAL	-	-	-	-	UNINSULATED
		FLEX DUCT	-	-	-	1-1/2"	-	-
		FLEX CONNECTOR	-	-	-	-	-	UNINSULATED
		GENERAL	DOWNSTREAM OF ERU, AHU OR EF	-	1-1/2"	-	-	-
	TRANSFER AIR	ROUND	GENERAL	-	-	-	-	UNINSULATED
		RECTANGULAR	GENERAL	1"	-	-	-	-
		FLEX DUCT	-	-	-	1-1/2"	-	-

NOTES:
1. UNLESS LISTED ABOVE AS "UNINSULATED", ALL DUCTWORK AND ACCESSORIES SHOWN ON THE PLANS SHALL BE EITHER LINED OR COVERED. IF TYPE OR THICKNESS IS NOT INDICATED, IT SHALL BE 1-1/2" COVERING. REFER TO PLANS FOR DUCTWORK TYPE HATCHING KEY (WHERE APPLICABLE).
2. REFER TO PLANS FOR DUCTWORK DESIGNATIONS. "CONCEALED" INCLUDES DUCTWORK ABOVE CEILINGS OR IN UTILITY ROOMS (MECHANICAL AND ELECTRICAL/TELECOM ROOMS). "EXPOSED" INCLUDES DUCTWORK IN FINISHED AND NON-UTILITY SPACES.
3. SEE SPECIFICATION SECTION 23 3113 - HVAC METAL DUCTS.
4. SEE SPECIFICATION SECTION 23 0700 - HVAC INSULATION.
5. SEE SPECIFICATION SECTION 23 3300 - AIR DUCT ACCESSORIES AND/OR 23 3113 - HVAC METAL DUCTS.
6. CONDITIONED SPACE: AN AREA INSIDE THE BUILDING WHICH IS HEATED AND/OR COOLED.
7. TEMPERED SPACE: AN AREA INSIDE THE BUILDING WHICH IS NOT DIRECTLY HEATED OR COOLED, BUT IS ADJACENT TO A HEATED OR COOLED SPACE WITH NO INSULATION SEPARATING THE TWO SPACES (E.G., CEILING PLENUMS).
8. FOR SYSTEMS THAT DO NOT HAVE VAV TERMINAL UNITS OR DUCT MOUNTED REHEAT COILS, INCLUDING BUT NOT LIMITED TO FURNACE, HEAT PUMP, FAN COIL/BLOWER COIL UNIT, SINGLE ZONE AHU/RTU, DOAS UNITS.

3 ADD.

VARIABLE AIR VOLUME TERMINALS - ELECTRIC REHEAT

PLAN MARK	INLET SIZE (IN)	INLET PRES (IN WC)	COOLING MAX (CFM)	COOLING MIN (CFM)	HEATING MAX (CFM)	REQUIRED CAPACITY (MBH)	COIL (NOTE 4) (KW)	(MBH)	(VOLTS)	(PH)	EAT (DEG F)	LAT (DEG F)	SP (NOTE 2) (IN WC)	NC RATING (NOTE 3)	MODEL (NOTE 1)	ROOMS SERVED	NOTES
TERMINALS FOR RTU-28																	
VAV-28-1	6	0.5	300	100	125	4.5	2.00	6.828	480	3	47.3	97.88	0.08	22	VCEF06	1004 - EXEC SUITE	5
VAV-28-2	6	0.5	150	75	85	2.0	1.50	5.121	480	3	47.3	103.08	0.02	21	VCEF06	1004D - EXEC OFFICE	5
VAV-28-3	6	0.5	275	75	170	5.7	2.50	8.535	480	3	47.3	93.79	0.07	25	VCEF06	1004C - EXEC OFFICE	5
VAV-28-4	6	0.5	275	75	225	8.3	3.00	10.242	480	3	47.3	89.45	0.07	25	VCEF06	1004B - VP OFFICE	5
VAV-28-5	6	0.5	200	75	125	4.5	2.00	6.828	480	3	47.3	97.88	0.04	28	VCEF06	1004A - SENIOR OFFICE	5
TERMINALS FOR RTU-32																	
VAV-32-1	6	0.5	350	100	200	7.4	3.00	10.242	480	3	47.4	94.82	0.11	25	VCEF06	2072J,I,H - OFFICE & 2072K - STORAGE	5
VAV-32-2	6	0.5	300	100	200	6.9	3.00	10.242	480	3	47.4	94.82	0.08	22	VCEF06	2072G,F,E - OFFICE	5
VAV-32-3	6	0.5	300	100	200	6.9	3.00	10.242	480	3	47.4	94.82	0.08	22	VCEF06	2072D,C,B - OFFICE	5
VAV-32-4	8	0.5	550	200	400	11.6	5.50	18.777	480	3	47.4	90.87	0.05	20	VCEF08	2072A - CONFERENCE	5
TERMINALS FOR RTU-25																	
VVT-25-9	8	0.5	580	200	-	-	-	-	-	-	-	-	0.05	20	VCC08	2062 - BREAKROOM	7
TERMINALS FOR RTU-3																	
VVT-3-5	8	0.5	450	150	-	-	-	-	-	-	-	-	0.03	18	VCC08	1002I - WAR ROOM	7

NOTES:
1. **INFORMATION FOR REFERENCE ONLY. ALL VARIABLE AIR VOLUME TERMINAL UNITS FURNISHED BY OWNER FOR INSTALLATION BY CONTRACTOR WHERE SHOWN ON PLANS.**
2. STATIC PRESSURE DROP AT LISTED AIRFLOW THROUGH VAV BOX INCLUDING COIL (DAMPER 100% OPEN).
3. NC RATING IS MAXIMUM DISCHARGE OR RADIATED RATING ALLOWED. NC RATINGS TO BE CALCULATED IN ACCORDANCE WITH ARI-885.
4. ENTERING AIR TEMPERATURE IS 55 DEGREES F. AIR PRESSURE DROP IS INCLUDED IN UNIT STATIC PRESSURE.
5. PROVIDE HEATERS WITH SCR CONTROL. ALL BOXES TO BE FURNISHED WITH FACTORY-INSTALLED FUSED DISCONNECT SWITCHES.
6. COORDINATE INSTALLATION OF VAV TERMINAL UNITS WITH REQUIRED LENGTHS OF STRAIGHT DUCT AND CLEARANCE REQUIREMENTS (SEE DETAIL H-1365). VAV CONTROLLERS TO BE PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR.
7. UNITS WILL BE INTEGRATED WITH VVT SYSTEM AND PAIRED WITH BYPASS UNITS.

1 ADD.

DUCT PRESSURE AND SEAL CLASS SCHEDULE (NOTE 1)

SYSTEM	SERVICE	DUCT PRESSURE CLASS (NOTE 2)	DUCT SEAL CLASS (NOTE 2)
EXHAUST FAN, EF-1	EXHAUST AIR	NEGATIVE 4"	A
ROOFTOP UNIT-1A,1B,2,3,28,29,30,31,32,33	SUPPLY AIR	POSITIVE 2"	A
	RETURN AIR	NEGATIVE 2"	A
OTHER	TRANSFER	POSITIVE 1"	A

NOTES:
1. DUCTWORK TO BE DUCT PRESSURE CLASS +-6" AND DUCT SEAL CLASS A UNLESS LISTED OTHERWISE IN SCHEDULE ABOVE.
2. DUCT PRESSURE AND SEAL CLASSES INDICATED ARE MINIMUM REQUIREMENTS BASED ON SMACNA DUCT CONSTRUCTION STANDARDS.

1 ADD.

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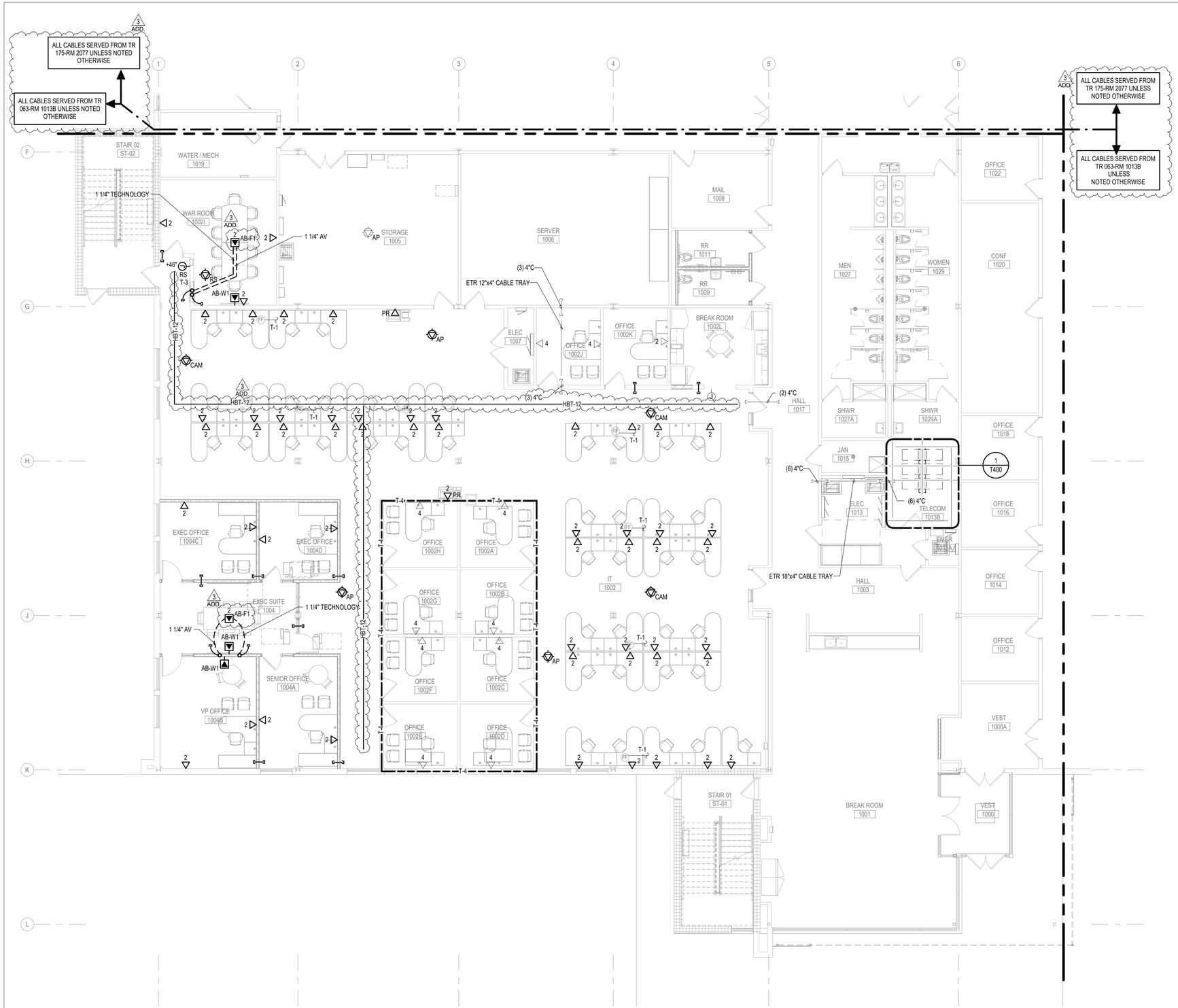
REVISION ISSUE DATE & TITLE
1 08/04/26 ADD 01
3 08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Mechanical Schedules

DATE 07.23.2026
DRAWING NUMBER M510
PROJECT NUMBER 25030

BID SET



1 T111.A TECHNOLOGY PLAN - LEVEL 1 - Area A (Southwest)
1/8" = 1'-0"

KEYED NOTES

T-1	EXISTING FLOOR BOX PATHWAY FROM PRIOR PROJECT IS SHOWN FOR REFERENCE AND SHALL BE REUSED. DIVISION 26 INSTALLER SHALL FIELD VERIFY EXISTING 2" CONDUIT PATHWAY FROM FLOOR BOX ROUTED DIRECTLY TO THE NEAREST EAST WALL AND CONTINUING TO ACCESSIBLE CEILING SPACE. PROTECT EXISTING PATHWAY DURING CONSTRUCTION. OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE NEW HORIZONTAL COMMUNICATIONS CABLING THROUGH THE EXISTING PATHWAY.
T-3	AT EXISTING WALL, DIVISION 26 INSTALLER SHALL PROVIDE FLUSH-MOUNTED OUTLET BOX AS SCHEDULED. OMIT CONDUIT WITHIN THE EXISTING WALL. OWNER / OWNER'S REPRESENTATIVE SHALL FISH ROOM SCHEDULER CABLING CONCEALED WITHIN THE WALL FROM THE OUTLET BOX TO THE TOP OF WALL. DIVISION 26 INSTALLER SHALL PROVIDE CONDUIT FROM THE CABLE EXIT AT THE TOP OF WALL THROUGH THE EXPOSED / OPEN CEILING AREA TO THE ACCESSIBLE COMMUNICATIONS CABLE PATHWAY. PATCH AND REPAIR EXISTING WALL FINISHES DISTURBED BY THE WORK TO MATCH ADJACENT SURFACES. CABLING SHALL NOT BE EXPOSED WITHIN THE FINISHED OCCUPIED WALL AREA
T-4	EXISTING TELECOMMUNICATIONS CABLING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.

STRUCTURED CABLING DEVICE KEY

INFORMATION OUTLET

#/X
#/X

X - INDICATES INTENDED NETWORK EQUIPMENT SERVED BY DATA JACK.
- INDICATES CABLE AND JACK QUANTITY. OMISSION OF THIS LABEL INDICATES THAT THE QUANTITY IS ONE.

EQUIPMENT ABBREVIATIONS

AP	- WIRELESS ACCESS POINT
CAM	- CAMERA
EP	- EMERGENCY COMMUNICATION DEVICE
ERRCS	- EMERGENCY RESPONDER RADIO COMM SYSTEM
PR	- PRINTER
RS	- ROOM SCHEDULER
FACP	- FIRE ALARM CONTROL PANEL
PJ	- PROJECTOR

NEW WORK KEY

- EXISTING
- NEW / REVISED
- EXISTING EQUIPMENT
- NEW / REVISED EQUIPMENT

KEY PLAN

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REVISION ISSUE DATE & TITLE
1 08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel
Technology Plan - Level 1 - Area A

DATE 07.23.2026
DRAWING NUMBER T111.A
BID SET
PROJECT NUMBER 25030

COMMUNICATIONS ABBREVIATION

(NOTE: ALL ABBREVIATIONS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

*** ABBREVIATIONS ***

2P	DOUBLE POLE SWITCH
2WAY	TWO-WAY
3R	NEMA 3R ENCLOSURE
3WAY	THREE-WAY
4WAY	FOUR-WAY
4X	NEMA 4X ENCLOSURE
ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISHED FLOOR
AP	ACCESS POINT
BAT	BATTERY
BL	BELL
BND	BOUNDARY
C	CONDUIT
CAM	CAMERA
CCT	CHARGE CONTROLLER
CEL	CELLULAR PHONE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT
CLK	CLOCK
CPU	CENTRAL PROCESSING UNIT
DMARC	DEMARCATION POINT
DN	DOWN (DIRECTION)
DP	DOUBLE POLE
ELEV	ELEVATOR
EMEMER	EMERGENCY EQUIPMENT
EMER	EMERGENCY
ETR	EXISTING TO REMAIN
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FLR	FLOOR
FO	FIBER OPTIC
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GND	GROUND
GNK	GOOSENECK
HDW	HARDWIRED
HF	HIGH FREQUENCY
HH	HAND HOLE
HRN	HORN
I/O	INPUT/OUTPUT
IC	INTERCOM
IP	INTERNET PROTOCOL
IR	INFRARED
JB	JUNCTION BOX
JK	JACK
LAN	LOCAL AREA NETWORK
MASK	SOUND MASKING
MH	MANHOLE
MLB	MOBILE
MOT	MOTORIZED
MP	MODULAR PLUG TERMINATION
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O	OUTDOOR
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OHD	OVERHEAD DOOR
P	POLE
PB	PUSHBUTTON
PDU	POWER DISTRIBUTION UNIT
PH	PHONE
PNL	PANEL
PRI	PRIMARY
PRN	PRINTER
PTP	POINT TO POINT
PTT	PUSH TO TALK
PWR	POWER
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
REL	RELOCATE
REM	REMOTE
REQD	REQUIRED
RS	ROOM SCHEDULER
SAT	SATELLITE
SC	SMART CARD
SIM	SIMILAR
SPEC	SPECIFICATION
SPK	SPEAKER
STD	STANDARD
SVR	SERVER
SW	SWITCHED
TCLK	TIME CLOCK
TCP	TEMPERATURE CONTROL PANEL
TR	TRANSCEIVER
TX	TRANSMITTER
TYP	TYPICAL
UG	UNDERGROUND
UHF	ULTRA HIGH FREQUENCY
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT/ VOLTAGE
VERT	VERTICAL
VID	VIDEO
VOIP	VOICE OVER INTERNET PROTOCOL
W	WALL PHONE
WAP/AP	WIRELESS ACCESS POINT
WB	WALL BOX
WIFI	WI-FI WIRELESS LOCAL AREA NETWORK
WLAN	WIRELESS LOCAL AREA NETWORK
XP	EXPLOSION PROOF

COMMUNICATION SYMBOLS

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)
(NOTE: +##" INDICATES DIMENSION HEIGHT TO CENTER OF DEVICE ABOVE FINISHED FLOOR.
IN GENERAL, ALL STANDARD HEIGHT DEVICES ARE TO BE +18" UNLESS NOTED OTHERWISE.)

*** STRUCTURE CABLING DEVICES ***

EQUIPMENT OUTLET FOR VOICE OR DATA USE,
MATCH RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED
- # - INDICATES CABLE AND OUTLET QUANTITY, IF MORE THAN ONE IS REQUIRED.
- XX - DEVICE ABBREVIATION, INDICATES INTENDED EQUIPMENT SERVED BY INFORMATION OUTLET. REFER TO TECHNOLOGY ABBREVIATIONS.
- MOUNTED 8" ABOVE COUNTERTOP OR 4" ABOVE BACKSPLASH UNLESS OTHERWISE NOTED
- INDICATES MULTIPLE CABLE TYPES AS NOTED ON DRAWINGS
- INDICATES EQUIPMENT OUTLET FED THROUGH NON-TYPICAL PATHWAY. (E.G. FURNITURE FEED, WIREMOLD, OR ARCHITECTURAL FEATURE.)

EQUIPMENT OUTLET FOR VOICE OR DATA USE - ABOVE CEILING
- # - INDICATES CABLE AND JACK QUANTITY
- XX - DEVICE ABBREVIATION, INDICATES INTENDED EQUIPMENT SERVED BY EQUIPMENT OUTLET. REFER TO TECHNOLOGY ABBREVIATIONS.

EQUIPMENT OUTLET FOR VOICE OR DATA USE - IN CEILING
- # - INDICATES CABLE AND JACK QUANTITY
- XX - DEVICE ABBREVIATION, INDICATES INTENDED EQUIPMENT SERVED BY EQUIPMENT OUTLET. REFER TO TECHNOLOGY ABBREVIATIONS.

EQUIPMENT OUTLET - MOUNTED IN WALL ACTIVATION BOX
- AB-XX - INDICATES WALL BOX TYPE. REFER TO ELECTRICAL ACTIVATION BOX SCHEDULE ON ELECTRICAL POWER SCHEDULES SHEETS.
- # - INDICATES CABLE AND OUTLET QUANTITY, IF MORE THAN ONE IS REQUIRED.

EQUIPMENT OUTLET - MOUNTED IN FLOOR ACTIVATION BOX
- AB-XX - INDICATES FLOOR BOX TYPE. REFER TO ELECTRICAL ACTIVATION BOX SCHEDULE ON ELECTRICAL POWER SCHEDULES SHEETS.
- # - INDICATES CABLE AND OUTLET QUANTITY, IF MORE THAN ONE IS REQUIRED.

CATV SYSTEM OUTLET

CLOCK - CEILING MOUNTED
- X - INDICATES PLAN MARK OF CLOCK DEVICE, SEE CLOCK SCHEDULE

CLOCK - WALL MOUNTED
- X - INDICATES PLAN MARK OF CLOCK DEVICE, SEE CLOCK SCHEDULE

INTERCOM DEVICE - CEILING OR SURFACE MOUNTED
- X - INDICATES PLAN MARK OF INTERCOM DEVICE, SEE INTERCOM SCHEDULE

INTERCOM DEVICE - WALL MOUNTED
- X - INDICATES PLAN MARK OF INTERCOM DEVICE, SEE INTERCOM SCHEDULE

SPEAKER - CEILING MOUNTED
- X - INDICATES PLAN MARK OF SPEAKER DEVICE, SEE SYSTEM SCHEDULE

SPEAKER - WALL MOUNTED
- X - INDICATES PLAN MARK OF SPEAKER DEVICE, SEE SYSTEM SCHEDULE

*** TYPICAL EQUIPMENT ***

TECHNOLOGY RACK - 2 POST
— — CLEARANCE BORDER

TECHNOLOGY RACK - 4 POST
— — CLEARANCE BORDER

SPECIAL CABINET AS NOTED - SURFACE MOUNTED

SPECIAL CABINET AS NOTED - RECESSED MOUNTED

GROUND BAR

SPD — SURGE PROTECTION DEVICE

*** TYPICAL RACEWAYS ***

HBT-# — WIRE BASKET
- HBT-# - # INDICATES WIRE BASKET TRAY WIDTH. REFER TO THE SCHEDULE FOR ADDITIONAL DETAILS

HLT-# — LADDER RACK
- HLT-# - # INDICATES LADDER TRAY WIDTH. REFER TO THE SCHEDULE FOR ADDITIONAL DETAILS

CABLE J-HOOKS

CONDUIT STUB

CONDUIT CONTINUATION

CONDUIT TURNING UP

CONDUIT TURNING DOWN

PULL BOX

JUNCTION BOX - IN FLOOR BOX OR CEILING

JUNCTION BOX - WALL MOUNTED

HH — HANDHOLE BOX - IN GROUND

MULTI-DEVICE RACEWAY AS NOTED
□= FEED POINT / JUNCTION BOX
- GENERAL NOTE: BOXED INFORMATION JACK AND OTHER BOXED DEVICES INDICATE RACEWAY MOUNTED

FURNITURE FEED

FURNITURE FEED - WALL MOUNTED

*** TYPICAL DEVICES ***

ANY WIRING DEVICE WITH THIS SYMBOL INDICATES SURFACE MOUNTED OUTLET BOX

ANY WIRING DEVICE WITH THIS SYMBOL INDICATES WIRELESS NETWORK CAPABILITY

GENERAL TECHNOLOGY NOTES:

1. THE DIVISION 26 INSTALLER SHALL STUDY ALL TECHNOLOGY PLANS INCLUDING READING ALL TECHNOLOGY GENERAL AND SPECIFIC NOTES FOR INSTRUCTIONS THAT WILL AFFECT OR PERTAIN TO THE DIVISION 26 SCOPE OF WORK.
2. THE DIVISION 26 INSTALLER SHALL PROVIDE AND INSTALL ALL TECHNOLOGY CONDUITS PATHWAYS PER ANSI TIA-569 AND SPEC SECTION 26 05 33 UNLESS NOTED OTHERWISE.
3. THE DIVISION 26 INSTALLER SHALL PROVIDE ALL COMMUNICATION CONDUITS TO ACCESSIBLE CEILING SPACE (THEY SHALL NOT BE TERMINATED ABOVE HARD LIDS OR IN EXPOSED AREAS). UNLESS INSTRUCTED OTHERWISE, STUB ALL COMMUNICATION CONDUITS TO THE ACCESSIBLE CEILING SPACE IN THE SAME ROOM AS THE OPENING.
4. WHERE SPECIFIC CONDUIT ROUTING IS REQUIRED TO MEET CABLING DISTANCE PARAMETERS OR TO INSTALL WIRING TO A SPECIFIC LOCATION, ADDITIONAL SCHEMATIC ILLUSTRATIONS ON THE FLOOR PLAN WILL GENERALLY BE PROVIDED. ILLUSTRATIONS ARE NOT INCLUDED FOR ALL TECHNOLOGY DEVICES OR CABLING ROUTES. WHEN NOT ILLUSTRATED, THE REQUIREMENT FOR CONDUIT TO BE ROUTED FROM ALL TECHNOLOGY DEVICES TO THE ACCESSIBLE CEILING REMAINS.
5. NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO (2) 90 DEGREE BENDS, OR EQUIVALENT, BETWEEN PULL POINTS. E.G., OUTLET BOXES, PULL BOXES, DISTRIBUTION ROOMS.
6. A PULL BOX SHALL BE PLACED IN A CONDUIT RUN WHERE: THE LENGTH IS OVER 100 FT, THERE ARE MORE THAN TWO 90 DEGREE BENDS OR EQUIVALENT, THERE IS A REVERSE U-SHAPED BEND IN THE CONDUIT RUN.
7. PULL BOXES SHALL BE PLACED IN A STRAIGHT SECTION OF CONDUIT AND SHALL NOT BE USED IN PLACE OF A BEND. THE CORRESPONDING CONDUIT ENDS SHOULD BE ALIGNED WITH EACH OTHER.
8. A PULL BOX SHALL BE ACCESSIBLE.
9. A PULL BOX SHALL NOT BE PLACED IN AN INACCESSIBLE CEILING SPACE UNLESS IMMEDIATELY ABOVE A SUITABLE MARKED ACCESS PANEL.
10. CONDUIT BODY FITTINGS E.G., LB OR LC FITTINGS ARE NOT CONSIDERED PULL BOXES AND SHALL NOT BE USED WHERE A PULL BOX IS REQUIRED PER ANSI OR UNLESS NOTED OTHERWISE.
11. THE DIVISION 26 INSTALLER SHALL NOT DAISY CHAIN ANY TECHNOLOGY CABLING OR AV CABLING CONDUITS WHEN ROUTING FROM BOXES TO ACCESSIBLE CEILING SPACES. UNLESS NOTED OTHERWISE.
12. THE DIVISION 26 INSTALLER SHALL PROVIDE AND INSTALL BUSHINGS ON ALL TECHNOLOGY CONDUITS AT THE TIME OF CONDUIT INSTALLATION.
13. CONDUIT MINIMUM SIZES SHALL BE PER DIVISION 26 RACEWAY SPECIFICATIONS UNLESS NOTED OTHERWISE.
14. ALL TECHNOLOGY CABLING IN FINISHED SPACES MUST BE ROUTED CONCEALED WITHIN WALLS UNLESS SPECIFICALLY NOTED OTHERWISE.
15. ALL EXPOSED CABLING IN OPEN TO STRUCTURE SPACES SHALL BE ROUTED IN CONDUIT, WHICH IS TO BE PROVIDED AND INSTALLED BY THE DIVISION 26 INSTALLER UNLESS NOTED OTHERWISE.
16. ALL CABLING BEHIND INACCESSIBLE CONSTRUCTION SUCH AS WITHIN WALLS AND ABOVE DRYWALL CEILINGS SHALL BE ROUTED IN CONDUIT, WHICH IS TO BE PROVIDED AND INSTALLED BY THE DIVISION 26 INSTALLER.
17. ALL WALL PENETRATIONS FOR ROUTING TECHNOLOGY CABLES MUST BE SLEEVED WITH CONDUIT UNLESS NOTED OTHERWISE.
18. UNLESS NOTED OTHERWISE, ALL HORIZONTAL / SECONDARY COMMUNICATIONS CABLE WALL PENETRATIONS SHALL BE PROVIDED WITH 2-INCH EMT CONDUIT SLEEVES WITH BUSHINGS AT BOTH ENDS. FIRESTOP PENETRATIONS AS REQUIRED FOR THE RATING OF THE PENETRATED ASSEMBLY.
19. THE INSTALLER SHALL NOT PULL ANY CABLING THROUGH CONDUITS THAT DO NOT HAVE THE REQUIRED BUSHINGS INSTALLED. CABLE, DAMAGED DUE TO BEING INSTALLED THROUGH CONDUITS WITH NO BUSHINGS, SHALL BE REPLACED BY THE INSTALLER AT NO CHARGE TO THE OWNER.
20. THE DIVISION 26 INSTALLER SHALL VERIFY ALL QUANTITIES.
21. COORDINATE ROUTING OF RACEWAY AND EQUIPMENT TO MAINTAIN ACCESS TO FILTERS, MOTORS, ELECTRICAL EQUIPMENT, AND CONTROLS. IN NO CASE SHALL RACEWAY, CABLING BUNDLES, OR EQUIPMENT PASS DIRECTLY OVER ELECTRICAL PANELS OR DISCONNECTS OR RESTRICT ACCESS TO ANY ELECTRICAL EQUIPMENT INCLUDING JUNCTION BOXES.
22. THE DIVISION 26 INSTALLER SHALL FASTEN ALL DIVISION 26-PROVIDED CABLE PATHWAY HARDWARE TO THE BUILDING STRUCTURE.
23. THE DIVISION 27 INSTALLER SHALL USE HOOK-AND-LOOP FASTENERS ON CABLING EXCLUSIVELY, NO TIE WRAPS.
24. OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE HORIZONTAL COMMUNICATIONS CABLING THROUGH THE FURNITURE FEED TO THE DATA OUTLETS AT THE DESK. COORDINATE FINAL CABLING ROUTE AND CONNECTIONS WITH THE FURNITURE INSTALLATION.
25. THE LAST INSTALLER TO INSTALL CABLE IN ANY J-HOOK PATHWAY IS REQUIRED TO LEAVE THE J-HOOK PATHWAY AT OR < THAN 40% FILL. THE SAME INSTALLER SHALL PROVIDE AND INSTALL ADDITIONAL J-HOOKS IF THE FILL RATIO EXCEEDS 40% FILL.
26. THE MAXIMUM DISTANCE BETWEEN ALL J-HOOKS SHALL BE FOUR FEET. ALL J-HOOKS SHALL BE SIZED TO HAVE AT LEAST 40% CAPACITY AVAILABLE FOR FUTURE GROWTH.
27. THE INSTALLER SHALL NOT FASTEN CABLING TO OR LAY CABLING OVER PIPING, DUCTWORK, CONDUITS, CEILING GRID/TILES, OR ANY OTHER BUILDING STRUCTURE ELEMENT OR BUILDING SUPPORT SYSTEM DEVICE. ONLY CONTRACTOR-INSTALLED J-HOOKS, CABLE TRAY, OR OTHERWISE NOTED LOW VOLTAGE PATHWAYS SUPPORTED FROM STRUCTURE SHALL BE USED.
28. THE OWNER / OWNER REPRESENTATIVE SHALL PROVIDE FIRESTOPPING THAT MEETS THE PENETRATED BARRIER RATING, AS SPECIFIED IN THE ARCHITECTURAL LIFE SAFETY PLANS, IN ALL COMMUNICATION CONDUITS, INCLUDING THOSE CONTAINING CABLING AND THOSE WITHOUT CABLING THAT PENETRATE RATED BARRIERS.
29. ENSURE ALL COMMUNICATION CABLING IS 100% FAULT-FREE. THIS INCLUDES, BUT IT IS NOT LIMITED TO, ISSUES LIKE PAINT OR PAINT OVERSPRAY THAT COULD DEGRADE THE PERFORMANCE OF THE CABLING. IF THE ENGINEER DETERMINES THAT ANY MATERIALS OR PORTIONS OF THE INSTALLATION FAIL TO COMPLY WITH THE SPECIFICATIONS, DRAWINGS, QUALITY, OR PERFORMANCE STANDARDS, THEY SHALL BE REJECTED AND REPLACED BY THE INSTALLER AT NO COST TO THE OWNER. THE OWNER / OWNER REPRESENTATIVE SHALL ALSO REMEDY ANY WORK DISTURBED BY THE CHANGES CAUSED BY DEFECTS OR IMPERFECTIONS AT THE INSTALLER'S EXPENSE.
30. THE DIVISION 26 INSTALLER SHALL INITIATE A PRE-INSTALLATION MEETING WITH DIVISION 26 TO REVIEW SLEEVE PLACEMENT BEFORE ROUGH-IN.
31. THE OWNER'S CABLE INSTALLER SHALL REVIEW ALL DIVISION 27 AND DIVISION 28 SECURITY SECTION PLANS WHEN APPLICABLE, INCLUDING THE ASSOCIATED SYMBOLS LISTS, DETAILS, AND SCHEDULES FOR SCOPE OF WORK RESPONSIBILITIES.
32. THE DIVISION 26 INSTALLER SHALL INCLUDE MATERIAL AND LABOR COST FOR AN ALLOWANCE OF 10 EXTRA 2"X24" CONDUIT SLEEVES TO BE USED AS DIRECTED DURING THE PRE-INSTALLATION MEETING OR AS OTHERWISE DIRECTED BY THE DESIGN PROFESSIONAL OR OWNER.

TECHNOLOGY KEYED NOTES

T-1	EXISTING FLOOR BOX PATHWAY FROM PRIOR PROJECT IS SHOWN FOR REFERENCE AND SHALL BE REUSED. DIVISION 26 INSTALLER SHALL FIELD VERIFY EXISTING 2" CONDUIT PATHWAY FROM FLOOR BOX ROUTED DIRECTLY TO THE NEAREST EAST WALL AND CONTINUING TO ACCESSIBLE CEILING SPACE. PROTECT EXISTING PATHWAY DURING CONSTRUCTION. OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE NEW HORIZONTAL COMMUNICATIONS CABLING THROUGH THE EXISTING PATHWAY.
T-2	OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE FLOOR BOX / FURNITURE FEED CABLING DOWN TO PLAN LEVEL 1, THROUGH EXISTING J-HOOK PATHWAY WHERE AVAILABLE, AND PROVIDE ADDITIONAL J-HOOKS AS REQUIRED TO COMPLETE THE CABLING ROUTE. ROUTE CABLING TO TELECOMMUNICATIONS ROOM 100 VIA EXISTING 4" PATHWAY. COORDINATE J-HOOK ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
T-3	AT EXISTING WALL, DIVISION 26 INSTALLER SHALL PROVIDE FLUSH-MOUNTED OUTLET BOX AS SCHEDULED. OMIT CONDUIT WITHIN THE EXISTING WALL. OWNER / OWNER'S REPRESENTATIVE SHALL FISH ROOM SCHEDULER CABLING CONCEALED WITHIN THE WALL FROM THE OUTLET BOX TO THE TOP OF WALL. DIVISION 26 INSTALLER SHALL PROVIDE CONDUIT FROM THE CABLE EXIT AT THE TOP OF WALL THROUGH THE EXPOSED / OPEN CEILING AREA TO THE ACCESSIBLE COMMUNICATIONS CABLE PATHWAY. PATCH AND REPAIR EXISTING WALL FINISHES DISTURBED BY THE WORK TO MATCH ADJACENT SURFACES. CABLING SHALL NOT BE EXPOSED WITHIN THE FINISHED OCCUPIED WALL AREA.
T-4	EXISTING TELECOMMUNICATIONS CABLING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
T-5	OWNER / OWNER'S REPRESENTATIVE SHALL ROUTE HORIZONTAL COMMUNICATIONS CABLING THROUGH THE FURNITURE FEED TO THE DATA OUTLETS AT THE DESK. COORDINATE FINAL CABLING ROUTE AND CONNECTIONS WITH THE FURNITURE INSTALLATION.

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REVISION ISSUE DATE & TITLE
1 08/18/26 ADD 03

1025 Kirkwood Pkwy SW
Cedar Rapids, IA 52404

Kirkwood East Hall - Remodel

Technology Notes and Symbols

DATE
07.23.2026

DRAWING NUMBER
T000

BID SET

PROJECT NUMBER
25030

SECTION 270010 - COMMUNICATIONS GENERAL PROVISIONS

PART 1 - GENERAL

1.1 GENERAL

A. Refer to Division 00 – Procurement, Contracting and Warranty Requirements and Division 01 - General Requirements, which all apply to work under this section.

1.2 DESCRIPTION OF WORK

A. This Section establishes general requirements for Contractor-furnished and Contractor-installed work under Division 27. Work shall include only those materials, equipment, pathways, supports, and related items specifically indicated in the Contract Documents as Contractor-furnished or Contractor-installed.

B. The Owner / Owner's Representative shall furnish, install, terminate, label, and test all horizontal communications cabling and associated connectivity unless specifically indicated otherwise. Owner-provided work includes horizontal cable, modular jacks, patch panels, patch cords, terminations, labeling, certification testing, and horizontal cabling record documentation.

C. Contractor shall coordinate Contractor-furnished Division 27 work and Division 26 communications pathways with the Owner / Owner's Representative to provide complete and usable pathways for Owner-installed communications cabling.

D. All work shall be performed by skilled workers in their respective trades who meet the Approved Contractor requirements, in a neat and professional manner, and in accordance with the highest standards to ensure a properly functioning Structured Cabling System.

1.3 CODES AND STANDARDS

A. All work shall be done in accordance with the applicable portion of the following codes and standards:

1. National Electrical Code
2. Local Electrical Code
3. National Fire Protection Association
4. National Electrical Manufacturers Association
5. Standards of Institute of Electrical and Electronic Engineers
6. Applicable Building Codes
7. Occupational Safety and Health Act
8. Iowa Administrative Codes
9. ANSI TIA-569-D Telecommunications Pathways and Spaces
10. ANSI TIA-606-B Administration Standard for Commercial Telecommunications Infrastructure

11. ANSI TIA-607-B Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications
12. National Fire Protection Agency (NFPA - 70), National Electrical Code (NEC)

B. All Contractors shall familiarize themselves with all codes and standards applicable to their work. No extra compensation will be allowed for corrections or changes in the work required due to failure to comply with the applicable codes and standards. Where two or more codes or standards are in conflict, that requiring the highest order of professionalism shall take precedence, but such questions shall be referred to Design Professional for final decision.

1.4 REQUIREMENTS & FEES OF REGULATORY AGENCIES

A. Contractor shall comply with the rules and regulations of the local serving utility companies and shall check with each utility company providing service to this project and determine or verify their requirements regarding incoming services.

B. Secure all required permits and pay for all inspections required in connection with the telecommunication systems work. Contractor shall post all bonds and obtain all licenses required by the State, City, County, and Federal Agencies.

1.5 DRAWINGS

A. Drawings for the work are in part diagrammatic, and are intended to convey the scope of the work and to indicate in general the location of equipment.

B. Contractor shall layout their own work and shall be responsible for determining the exact quantities and locations for equipment.

C. Contractor shall take own field measurements for verifying locations and dimensions; scaling of the drawings will not be sufficient for laying out the work.

D. Because of the scale of the drawings, certain basic items for a complete installation are not shown, but where such items are required by code (or referenced standards) where they are required for proper installation and operation of the work, such items shall be furnished and installed.

1.6 ACTIVE SERVICES

A. Contractor shall be responsible for verifying exact locations of all existing services prior to beginning work in that area.

B. When active services are encountered which require relocation, Contractor shall make request to authorities with jurisdiction for determination of procedures.

C. Where existing services are to be abandoned, they shall be terminated in conformance with requirements of the authorities having jurisdiction.

1.7 SITE INSPECTION

A. Contractor shall inspect the site prior to submitting bid for work to become familiar with the conditions of the site which will affect the work and shall verify points of connection with utilities and/or existing system wiring.

B. Extra payment will not be allowed for changes in the work required because of Contractor's failure to make this inspection.

1.8 COORDINATION AND COOPERATION

A. It shall be Contractor's responsibility to schedule and coordinate work with the schedule of General Contractor so as to progress the work expeditiously, and to avoid unnecessary delays.

B. Contractor shall fully examine the drawings and specifications for other trades and shall coordinate the installation of their work with the work of the other contractors. Contractor shall consult and cooperate with the other contractors for determining space requirements and for determining that adequate clearance is allowed with respect to their equipment, other equipment and the building. The Design Professional reserves the right to determine space priority of the contractors in the event of interference between piping, conduit, ducts and equipment of the various contractors.

C. Drawings and specifications are intended to be complimentary. Any work shown in either of them, whether in the other or not, shall be executed according to the true intent and meaning thereof, the same as if set forth in all. Conflicts between the drawings and the specifications, or between the requirements set forth for the various contractors, shall be called to the attention of the Design Professional. If clarification is not asked for prior to the taking of bids, it will be assumed that none is required and that Contractor is in agreement with the drawings and specifications as issued. If clarification is required after the contract is awarded, such clarification will be made by Design Professional and their decision will be final.

D. Special care shall be taken for protection for all equipment. All equipment and material shall be completely protected from weather elements, painting, plaster, etc., until the project is substantially completed. Damage from rust, paint, scratches, etc., shall be repaired as required to restore equipment to original condition.

E. Protection of all equipment during the painting of the building shall be the responsibility of the Painting Contractor, but this shall not relieve Contractor of the responsibility for checking to assure that adequate protection is being provided.

F. Where the final installation or connection of equipment in the building requires Contractor to work in areas previously finished by Owner, the Contractor shall be responsible that such areas are protected and are not marred, soiled or otherwise damaged during the course of such work. Contractor shall be responsible for patching and refinishing of such areas which may be damaged in this respect.

G. Where two or more specified items/systems in the specifications and/or the drawings are in conflict, that requiring the highest order of professionalism and the most financially expensive products shall take precedence. Such questions shall be referred to the Design Professional for final decision.

1.9 OPENINGS, CUTTING AND PATCHING

A. Refer to Division 1 for additional cutting and patching information. Refer to Section 078400 – Firestopping and Section 079200 – Joint Sealants for additional information.

B. Conduits, sleeves, cable tray, and other communication pathway penetrations through fire- or smoke-rated assemblies shall be firestopped to maintain the rating of the penetrated assembly. The Contractor responsible for furnishing and installing a conduit, sleeve, cable tray, or other pathway shall provide required firestopping around the exterior of that pathway. The Owner / Owner's Representative shall provide required firestopping within sleeves or pathways following installation of Owner-provided communications cabling. Where penetrations occur through non-rated assemblies, seal openings as required by the Contract Documents.

C. Existing Structure:

1. Contractor shall provide cutting, lintels and patching, and patch painting in the existing structure, as required for the installation of their work, and shall furnish lintels and supports as required for openings.
2. Cutting of structural support members will not be permitted without prior approval of the Design Professional. Extent of cutting shall be minimized; use core drills, power saws or other machines which will provide neat, minimum openings.
3. Patching shall match adjacent materials and surfaces and shall be performed by craftsmen skilled in the respective craft required.

D. For exterior walls below grade, sleeves shall be cast iron. Space between sleeve and conduit shall be sealed with modular mechanical rubber links tightened with bolts as made by Thunderline Corporation, Wayne, Michigan 48184. Waterproofing of conduit penetrations in exterior walls shall be coordinated with waterproofing contractor.

1.10 MATERIALS AND EQUIPMENT

A. All materials and equipment shall originate from a reputable manufacturer regularly involved in producing the specified item, unless expressly authorized by the Design Professional in writing. When multiple units of the same item are necessary, they shall be supplied by the same manufacturer, unless explicitly stated otherwise.

B. All material and equipment shall be installed in strict accordance with the manufacturer's recommendations.

C. The equipment specifications cannot address minute components individually, such as parts, controls, devices, etc., necessary for the specified equipment's performance and functionality or to fulfill the equipment guarantees. When needed, such components must be provided as part of the equipment, regardless of specific mention.

1.11 SUBSTITUTIONS

A. To seek approval for the use of unspecified equipment, Bidding Contractors (not equipment suppliers, manufacturers, etc.) shall submit written requests to the Design Professional at least 10 days before the bid due date. Requests must clearly describe the equipment requiring approval, including all necessary data demonstrating its capacities, features, and performance equivalency, along with a cost comparison between the specified equipment and the proposed alternative. If deemed acceptable, the Design Professional will approve it through an addendum. The Design Professional will, under no circumstances, be obligated to validate whether a proposed substitution item is of equal quality to the specified item.

B. Where substitutions are approved, the Contractor assumes full responsibility for the physical dimensions and any resulting changes. This responsibility encompasses all additional work required by other trades due to the substitution.

1.12 ACCEPTABLE MANUFACTURERS

A. In most cases, equipment specifications are based on a specific manufacturer's type, style, dimensional data, catalog number, etc. Listed with the base specification, either in the manual or on the drawing schedules, are acceptable manufacturers approved to bid products of equal quality. These manufacturers are encouraged to submit to Design Professional at least 8 days prior to the bid due date drawings and catalog numbers of products to be bid as equals.

B. Manufacturers, who do not submit prior to bidding, run the risk of having the product rejected at time of shop drawing submittal. Extra costs associated with replacing the rejected product shall be the responsibility of Contractor and/or the manufacturer.

C. If Contractor chooses to use a manufacturer listed as an equal, it shall be their responsibility to assure that the manufacturer has complied with the requirements in 'A' above. Contractor shall assume all responsibility for physical dimensions, operating characteristics, and all other resulting changes. This responsibility extends to cover all extra work necessitated by other trades as a result of using the alternate manufacturer.

D. Where a model or catalog number is provided, it may not be inclusive of all product requirements. Refer to additional requirements provided on the plans or in the specifications as required. Similarly, there may be additional requirements included in the model or catalog number that are not specifically stated. These requirements shall also be met.

1.13 SUBMITTALS

A. Contractor shall furnish, to the Design Professional, complete sets of submittals. Contractor shall review and sign submittals before submitting. Contractor shall provide submittals via electronic process (.PDF format) unless otherwise instructed. Refer to Division 01 specifications for additional requirements.

B. Submittals shall be bound into sets per specification section (not division). The content of the submittal shall cover related items for a complete system as much as practical and items shall be identified with symbols or "plan marks" used on drawings whenever possible. Incomplete, piecemeal or unbound submittals will be rejected.

C. Each submittal shall include a cover sheet identifying the submitting Contractor's company name, address, telephone number, and contact person. Provide adequate space on the cover sheet for Contractor and Design Professional review stamps.

D. Design Professional will review submittals solely to assist contractors in correctly interpreting the plans and specifications.

E. Contract requirements cannot be changed by submittals. Contract documents remain in force even if equipment is submitted which differs from contract drawings and specifications and that submittal is stamped as reviewed (or any other stamp verbiage).

F. Submittal requirements are indicated in each corresponding technical specification section in the Project Manual.

G. After award of contract, the contractor shall provide a completed submittal schedule including dates that the submittals will be to the Design Professional for review.

H. Submittals shall be sorted and separately identified per specification section.

1.14 OPERATION AND MAINTENANCE MANUALS

A. Operation and maintenance manuals shall be submitted to the Design Professional in duplicate upon completion of the job. Refer to Division 01 specifications for additional information.

B. Submit manuals shall be bound in a three ring hard backed binder. Front cover and spine of each binder shall have the following lettering done:

OPERATION
AND
MAINTENANCE
MANUAL
FOR
COMMUNICATIONS SYSTEMS

(PROJECT NAME)
(LOCATION)
(DATE)

SUBMITTED BY
(NAME, ADDRESS AND PHONE NUMBER OF CONTRACTOR)

C. Provide a master index at the beginning of manual showing items included. Each section shall contain the following information for equipment furnished under this contract:

1. Equipment and system warranties and guarantees.
2. Installation instructions.
3. Operating instructions.

4. Maintenance instructions.
5. Spare parts identification and ordering list.
6. Local service organization, address, contact and phone number.
7. Submittals with reviewed stamp of Design Professional and Contractor shall be included, if applicable, along with the items listed above.

1.15 TESTS AND DEMONSTRATIONS

1.16 Where testing is required by an applicable technical specification Section, Contractor shall test Contractor-furnished and Contractor-installed work and place such work in proper operating condition prior to acceptance. Testing of Owner-furnished and Owner-installed horizontal communications cabling is by the Owner / Owner's Representative and is not included in Contractor's scope.QUALITY ASSURANCE

A. Contractor shall be a company specializing in communication cable and/or accessories with a minimum of five years documented experience in installation of cable and/or accessories similar to those specified below.

1.17 WARRANTY

A. Refer to Divisions 00 and 01 for information on warranties and correction of work within the warranty period.

1. If a warranty or warranty period are not defined in Division 00 or 01, then the start of all warranty periods shall be the date of Substantial Completion and the length of the warranty shall be for one year.
   a. If construction is phased with distinct and separate Substantial Completion dates for portions of the building and/or systems, separate warranties shall be provided for each of these phased areas and/or systems.
   b. All Division 27 systems, including all sub-systems, shall be guaranteed against defect in materials and installation for the duration of the warranty period. Any malfunctions or defects which occur within the warranty period shall be promptly corrected without cost to the Owner. This guarantee shall not limit or void any manufacturer's express or implied warranty.

B. Refer to other Division 28 sections for systems, equipment, or material requiring extended warranties.

C. The date of systems/equipment startup or equipment/material shipment to the site shall not be considered the notable date with relation to the warranty of that item. All systems, equipment, material, etc., shall have the same start date with respect to the warranty period.

D. Systems, equipment or material put into use to facilitate construction activities (e.g. testing and balancing, commissioning, temporary conditioning, etc.) prior to the start of the warranty period shall not impact the length of the warranty in any way.

1.18 CHANGES IN THE WORK

A. A Contract Change Order is a written order to Contractor signed by Owner and Contractor, issued after the execution of the Contract, authorizing a change in the Work or an adjustment in the Contract Sum or the Contract Time. The Contract Sum and the Contract Time may be changed only by Contract Change Order.

B. Owner, without invalidating the Contract, may order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, with the Contract Sum and the Contract Time being adjusted accordingly. All such changes in the Work shall be authorized by Contract Change Order and shall be performed under the applicable conditions of the Contract Documents.

C. The cost or credit to Owner resulting from a change in the Work shall be determined by mutual acceptance of a lump sum properly itemized and supported by sufficient substantial data to permit evaluation. Change Orders shall be submitted with each item listed individually with a material cost and labor unit extension. Overhead and profit, as mutually agreed upon between Owner and Contractor shall be added to material and labor cost figures.

D. It shall be the responsibility of Contractor before proceeding with any change to satisfy their self that the change has been properly authorized on behalf of Owner.

1.19 GROUNDING AND BONDING OF SYSTEMS

A. All low voltage systems shall be subject to the Grounding and Bonding for Communication Systems specification section 270526. For those systems which may require a specialized sub-contractor, the sub-contractor providing and installing systems shall also be responsible for grounding and bonding per this specification.

1.20 COMPLETION

A. Contractor-furnished and Contractor-installed Division 27 work shall be complete, non-hazardous, and ready for its intended use at the time of completion. Communications pathways intended for Owner-installed cabling shall be complete, accessible, clean, and ready for cable installation.

END OF SECTION 270010

SECTION 270528 – CABLE TRAY PATHWAYS FOR COMMUNICATION SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. The requirements of Division 00 – Procurement, Contracting and Warranty Requirements, Division 01 - General Requirements, Section 260010 - Electrical General Provisions, Section 260500 – Common Work Results for Electrical, Section 260529 – Hangers and Supports for Electrical Systems, Section 260533 – Raceways and boxes for Electrical Systems, Section 270010 – Communications General Provisions are applicable to work required of this section.

B. This section identifies the specifications pertaining to mechanical support systems designed for communication systems infrastructure; including but not limited to ladder, ventilated trough, ventilated channel, solid bottom, and wire basket.

1.2 DESCRIPTION OF WORK

A. The work included under this specification encompasses all tasks associated with supplying labor, equipment, materials, and resources and conducting all essential activities to finalize the installation of primary cable tray pathways for communication systems in accordance with the provided specifications and drawings. The contractor is responsible for furnishing and setting up all necessary materials to establish a comprehensive system, regardless of whether they are explicitly detailed in the technical specifications.

B. Communication systems consist of but are not limited to:

1. Data
2. Voice
3. Video
4. Audio
5. Security
6. Nurse Call
7. Distributed Voice Paging/Intercom
8. Sound Masking
9. Engineer designated systems.

C. Ensure that all cable trays intended for communication systems are integrated with other communication cable pathways, creating a seamless pathway system extending from the telecom room to the designated work area outlet or technology device, as specified in the construction plans.

D. Horizontal communications cabling installed within cable tray pathways is furnished and installed by the Owner / Owner's Representative unless specifically indicated otherwise. Contractor's work under this Section includes the complete cable tray pathway, associated supports, accessories, bonding, and other components required for a complete cable tray installation.

1.3 CODES AND STANDARDS

A. Installation requirements are found in the following standards.

1. ANSI/TIA-568 Commercial Building Telecommunications Cabling Standard
2. ANSI/TIA-569 Telecommunications Pathways and Spaces
3. ANSI/TIA-606 Administration Standard for the Telecommunications Infrastructure
4. ANSI/NFPA 70/392 – National Electric Code – Cable Trays
5. ANSI/NFPA 70/770 – National Electric Code – Optical Fiber Cables and Raceways
6. ASI/NFPA 70/250 - National Electric Code – Ground and Bonding
7. ASTM A 510 - Specifications for General Requirements for Wire Rods and Coarse
8. Round Wire, Carbon Steel
9. BICSI Electronic Safety and Security Reference Manual (ESSDRM), current edition
10. BICSI Information Transport Systems Installation Methods Manual (ITSIM), current edition
11. BICSI Network Design Reference Manual (NDRM), current edition
12. BICSI Telecommunications Distribution Methods Manual (TDMM), current edition
13. BICSI Wireless Design Reference Manual (WDRM), current edition
14. NEMA VE 2 Cable Tray Installation Guidelines, current edition
15. NEMA VE 1 Metal Cable Tray Systems, current edition

1.4 SUBMITTALS

A. Refer to Division 01 Submittal requirements.

B. Product data: provide one submittal containing the following information:

1. Drawings that depict wire basket cable tray components and related items such as connector assemblies, clamp assemblies, brackets, splice plates, splice bars, grounding clamps, and hold-down plates. Ensure that these drawings accurately represent the scaled components, and include information regarding wire basket cable tray dimensions, support locations, and finishes.
2. Manufacturer-supplied data regarding the wire basket cable tray system, encompassing details such as types, materials, finishes, and inner depths, among other relevant specifications.
3. Manufacturer's Installation Guidelines: Provide the application conditions and usage limitations as determined by the product testing agency referenced. Additionally, include instructions for storing, handling, protecting, inspecting, preparing, and installing the product.

1.5 CLOSEOUT DOCUMENTS

A. Refer to Division 01 Closeout requirements.

B. Provide closeout items containing the following:

1. Operation and Maintenance Manual:
    a. Include approved Product Data and Drawings.
    b. Include manufacturer's maintenance information.
    c. Operation and Maintenance Data

2. Manufacturer's Warranty: Submit manufacturers standard warranty document.

1.6 WORK BY OTHERS

A. In general, the following is provided by others:

1. Electrical Contractor will provide field conduit paths for use by Division 27 as indicated in the Contract Documents.
2. Owner / Owner's Representative will furnish and install horizontal communications cabling and associated secondary cable supports, including J-hooks as required where cable tray or other communications pathway does not exist.

1.7 FIRESTOPPING

A. Contractor shall be responsible for fire stopping all conduit sleeves (internally only) and cable tray where required to maintain integrity of fire and/or smoke walls. The Contractor shall review architectural drawings to determine which walls have a fire and/or smoke rating. Any rating other than "non-rated" shall constitute a wall that requires fire stopping in all penetrations/openings.

B. Refer to Section 270010 in Openings, Cutting, and Patching for additional requirements and instructions.

PART 2 - PRODUCTS

2.1 WIRE BASKET HORIZONTAL CABLE MANAGEMENT

A. Wire basket cable tray shall be provided and installed (generally outside of telecom) as shown on the plans.

B. Acceptable Manufacturers are:

1. nVent CADDY (WBT)
2. Eaton, Flextray Cable Management
3. Legrand Cablofil, Wire Mesh Cable Tray
4. MonoSystems, Mono-Mesh Wire Basket Cable Tray
5. Engineer approved equal.

C. Additional Wire Basket Requirements:

1. All wire basket and hardware shall be galvanized (no other coatings unless noted otherwise) applied after product fabrication. This is to ensure a product that is made of an electrically conductive material for grounding purposes.
2. In order for a system to be approved as an equipment ground conductor, all splicing assemblies shall be UL Classified or CSA approved as an equipment ground conductor. When using powder coated wire mesh cable tray as an equipment ground conductor, the paint must be completely removed at all contact points of splice/ground bolt attachments.
3. It is the responsibility of the contractor installing the wire basket tray to coordinate the route indicated on the construction drawings with all other trades. Intersecting mechanical, fire alarm, or electrical systems shall not obstruct the fill ratio of the specified wire basket tray in any way.

PART 3 - EXECUTION

3.1 INSTALLATION

A. The installation notes apply to all cable tray types noted within these specifications and on the construction drawings.

B. Install in accordance with the manufacturer's installation instructions and recommendations, using the manufacturer's recommended fittings and accessories for system support, splices, tees, elbows, bends, intersections, and all transitions up, down, and around obstructions.

C. Install as a complete system as indicated on the drawings.

D. Install as a complete system to ensure electrical continuity of the system and adequate support for the cables. Bond to make electrically continuous.

E. Where physical separation of the cable tray pathway is necessary, Contractor shall provide an approved means of supporting communications cabling across the separation. Bond separated sections of cable tray or rack together as required to maintain electrical continuity.

F. Coordinate with design professional the acceptable alternate means for the project.

G. The Div.27 contractor shall bond the cable tray to the Telecommunications Grounding busbars in the telecommunications room.

H. Whenever possible the Contractor shall continue the basket around corners and changes in elevation by applying the factory instructions for cutting and bending the material rather than stopping the material, forcing the cable to jump from one installation to the other.

I. The Contractor shall only cut the material with manufacturer approved cutters which leave a square edge, rather than bolt cutters which leave a sharp edge that can damage cables and severely injure installers or the Owner in the future.

J. All fittings shall be field formed from straight sections in accordance with manufacturer's instructions.

K. See construction drawings and details for Trapeze hangers as the typical wire basket cable tray support. The following methods are acceptable when Engineer approved.

1. Center support hangers
2. Wall brackets
3. Engineer approved equal.

L. Trapeze hangers or center support hangers shall be supported by ¼" inch or 3/8" inch diameter rods.

M. Special accessories shall be furnished as required to protect, support, and install a wire basket cable tray system.

N. Wire basket is shown in part diagrammatically on the plans. Conduit sleeves are shown passing through walls with a stub symbol on each end to represent what shall be installed.

O. The Contractor shall install the wire basket at and to the intended locations shown on the plans.

1. The maximum air gap between wire basket and a conduit sleeve passing through a wall horizontally shall be one foot (12").
2. The maximum air gap between wire basket and the cable destination vertically shall be two feet (24").

P. Support cable tray and cable rack at splices, tees, elbows, bends, intersections, transitions and per manufacturers recommendation. The supporting mechanisms shall be sufficiently spaced to support the weight of the cable trays and racks for their maximum capacity rating.

Q. Route cable tray parallel and perpendicular to walls and ceiling.

R. Support cable tray from overhead. Do not use wall support brackets if possible.

END OF SECTION 270528

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