

**ADDENDUM
NO. 4**

August 14, 2024

**Kalamazoo Public Schools – Winchell Elementary School Classroom Addition
2316 Winchell Avenue
Kalamazoo, MI 49008**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated May 17, 2024, by TowerPinkster. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 4-1, and TowerPinkster Addendum No. 4 dated August 14, 2024, consisting of 11 pages.

ADDENDUM NO. 4

DATE OF ISSUANCE: August 14, 2024
PROJECT: KPS – Winchell Elementary Classroom Addition
OWNER: Kalamazoo Public Schools
ARCHITECT’S PROJECT NO.: 23607
ORIGINAL BID ISSUE DATE: May 17, 2024

SCOPE OF WORK

This Addendum includes changes to, or clarifications of, the original Bidding Documents and any previously issued addenda, and shall be included in the Bid. All of these Addendum items form a part of the Contract Documents. The Bidder shall acknowledge receipt of this Addendum in the appropriate space provided on the Bid Form. Failure to do so may result in disqualification of the Bid.

DOCUMENTS INCLUDED IN THIS ADDENDUM

This Addendum includes **2** pages of text and the following documents:

- Bidding Documents: **0**
- Contract Conditions: **0**
- Specification Sections: **27 0510**
- Drawings: **TD101C, T101, T101C, T401, T402, T403, T441 and T442**

CHANGES TO PREVIOUSLY ISSUED ADDENDA

NONE.

CHANGES TO BIDDING REQUIREMENTS

NONE.

CHANGES TO CONTRACT CONDITIONS

NONE.

CHANGES TO SPECIFICATIONS

Refer to Specification 27 0510 TECHNOLOGY RESPONSIBILITY MATRIX

The spec has been updated to reflect the management of each tech/security system.

CHANGES TO DRAWINGS

ADD-4 Item No. D-1 - New Construction Keyed Notes

Refer to Sheet(s): T101 and T101C

Demo Keyed Notes 2, 5, 7 and 13 have been updated to reflect what is included in this project and what will be a part of a separate project.

ADD-4 Item No. D-1 - New Construction Keyed Notes

Refer to Sheet(s): T101 and T101C

Demo Keyed Notes 2, 5, 7 and 13 have been updated to reflect what is included in this project and what will be a part of a separate project.

ADD-4 Item No. D-4 - Demo Keyed Notes

Refer to Sheet(s): TD101C

Demo Keyed Notes 1, 4, 5 and 7 have been updated to reflect what is included in this project and what will be a part of a separate project.

ADD-4 Item No. D-4 - Structured Cabling Equipment Schedule

Refer to Sheet(s): T401

The cabling schedule has been updated to reflect that blue CAT6 cable is required for this project.

ADD-4 Item No. D-4 - Projector Rough-In Dimensions

Refer to Sheet(s): T402

Dimensions for the projector rough-in have been added.

ADD-4 Item No. D-4 - T403

Refer to Sheet(s): T403 has been renamed to "SECURITY ROUGH-IN DETAILS".

ADD-4 Item No. D-4 - Security Detail Sheets

Refer to Sheet(s): T441 and T442

Sheets T441 and T442 have been removed from the project. Details that are no longer relevant to the project have been removed.

END OF ADDENDUM.

SECTION 27 0510 – TECHNOLOGY RESPONSIBILITY MATRIX

PART 1 - GENERAL

1.1 Purpose

- A. The intention of this matrix is to identify who is managing the construction of these systems. All systems will be designed by TowerPinkster.

STRUCTURED CABLING SYSTEMS	KPS	TP	SKILLMAN
Cable Tray (corridors)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cable Tray Systems (inside of TR)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Network Racks/Cabinets	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cable Management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Patch Panels	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UPS & PDU	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TR Bonding/Grounding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cable Tray, Raceway, Supports	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Conduits	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Category Cabling (CAT6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fiber Optic Backbone Cabling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Copper Backbone Cabling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WIDE AREA NETWORK	KPS	TP	SKILLMAN
Site Fiber Optic Cabling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Telecom provider coordination (if required)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Site Pathways (handholes, conduits, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

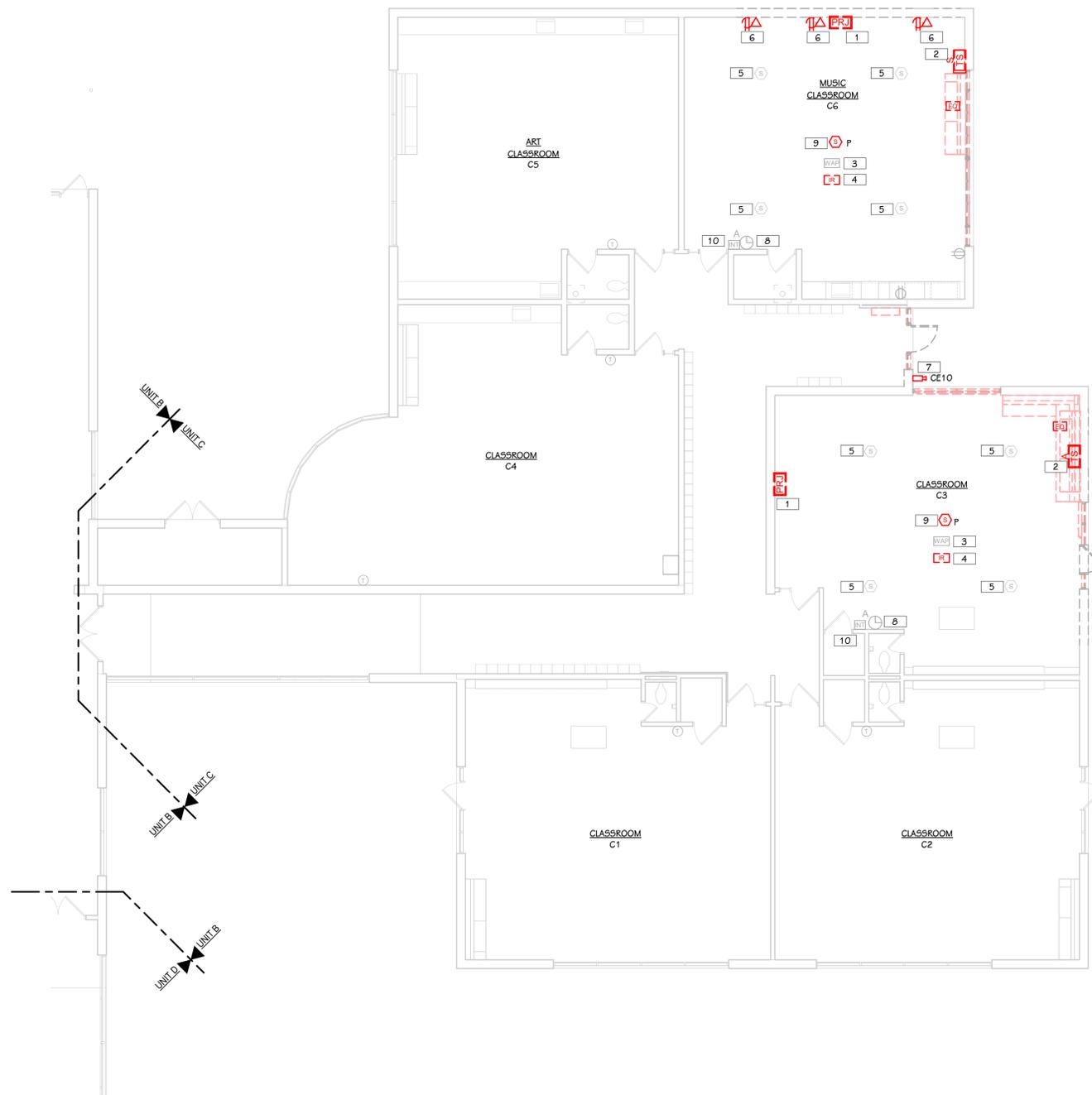
CLOCKS & PAGING SYSTEMS	KPS	TP	SKILLMAN
Clocks (digital, analog, cages, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Clock Transmitter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Clock Pathways (conduits, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paging Speakers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paging Cabling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paging Pathways (conduits, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paging Headend	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paging Call Buttons	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

AV SYSTEMS	KPS	TP	SKILLMAN
Classroom/Cafe/Gym AV Systems (projectors, speakers, microphones, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Classroom/Cafe/Gym AV Cabling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Classroom/Cafe/Gym AV Pathways	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Conference Room AV systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conference Room AV Cabling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conference Room AV Pathways (conduits, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Digital Signage (display, bracket, DS player, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Digital Signage Cabling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Digital Signage Pathways (conduits, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SECURITY SYSTEMS	KPS	TP	SKILLMAN
Security Cameras	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Security Camera Cabling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Security Camera Pathways (conduits, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Access Control Systems (card readers, door strikes, contacts, REX, Power Supplies, software)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Access Control Cabling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Access Control Pathways (conduits, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Security Intercoms	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Security Intercom Cabling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Security Intercom Pathways (conduits, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NETWORK DEVICES	KPS	TP	SKILLMAN
Wireless Access Points (device)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wireless Access Points Cabling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wireless Access Point Pathways (conduit, boxes, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
End User Devices (laptops, phones, desktops, monitors, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

END OF SECTION 27 0510



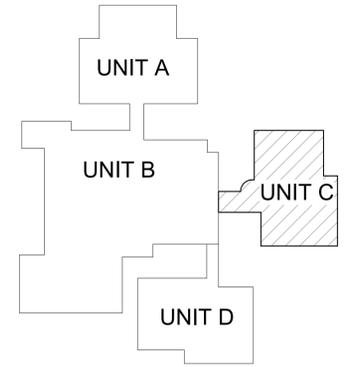
- KEYED NOTES - TECHNOLOGY - DEMOLITION**
- 1 THE REMOVAL OF THE PROJECTOR, MOUNTING BRACKETS/HARDWARE AND ASSOCIATED AV EQUIPMENT THAT IS ATTACHED TO PROJECTOR WILL BE PERFORMED BY A TECHNOLOGY CONTRACTOR UNDER A SEPARATE PROJECT. LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
 - 2 TECHNOLOGY CONTRACTOR SHALL REMOVE DATA CABLES THAT ARE INSTALLED IN TEACHER STATION BACK TO SOURCE. TECHNOLOGY CONTRACTOR TO REMOVE ALL AV CABLES AND RECYCLE.
 - 3 TECHNOLOGY CONTRACTOR SHALL REMOVE WIRELESS ACCESS POINT AND RETURN TO KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008. COIL DATA CABLE IN CEILING SO IT IS NOT DAMAGED DURING CONSTRUCTION. DOCUMENT CABLE ID, MAC ADDRESS OF WAP & LOCATION OF DEVICE. PROVIDE ALL INFORMATION TO ARCHITECT AND KPS.
 - 4 THE REMOVAL OF THE MICROPHONE SENSOR AND ASSOCIATED CABLE WILL BE PERFORMED BY A TECHNOLOGY CONTRACTOR UNDER A SEPARATE PROJECT. LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
 - 5 THE REMOVAL OF THE AV SPEAKERS AND ASSOCIATED CABLING WILL BE PERFORMED BY A TECHNOLOGY CONTRACTOR UNDER A SEPARATE PROJECT. LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
 - 6 TECHNOLOGY CONTRACTOR SHALL TRACE DATA CABLES BACK TO SOURCE AND REMOVE.
 - 7 THE REMOVAL OF THE SECURITY CAMERA AND ASSOCIATED CABLE WILL BE PERFORMED BY A TECHNOLOGY CONTRACTOR UNDER A SEPARATE PROJECT. LOCATIONS ARE SHOWN FOR REFERENCE ONLY.
 - 8 TECHNOLOGY CONTRACTOR SHALL REMOVE CLOCK AND DOCUMENT LOCATION. LEAVE WIRING IN PLACE FOR FUTURE INSTALLATION. RETURN TO KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008.
 - 9 TECHNOLOGY CONTRACTOR SHALL REMOVE PAGING SPEAKER AND DISPOSE OF PROPERLY. COIL WIRE IN CEILING SO IT IS NOT DAMAGED DURING CONSTRUCTION.
 - 10 TECHNOLOGY CONTRACTOR SHALL REMOVE CALL BUTTON AND DOCUMENT LOCATION. LEAVE WIRING IN PLACE FOR FUTURE INSTALLATION. TECHNOLOGY CONTRACTOR TO RETURN TO KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008.

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

ADDENDUM #4	8-14-2024
ADDENDUM #2	8-7-2024
ISSUED FOR	DATE

PROJECT TITLE	WINCHELL ELEMENTARY CLASSROOM ADDITION
OWNER	KALAMAZOO PUBLIC SCHOOLS
LOCATION	Kalamazoo, Michigan

WINCHELL ELEMENTARY



KEY PLAN
SCALE: NO SCALE

SHEET TITLE	FIRST FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT C
SHEET NUMBER	TD 101C
DATE	MAY 17, 2024
	23-607.00



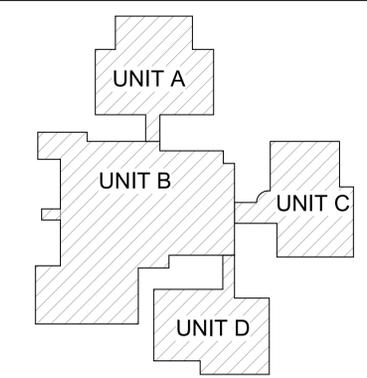
- KEYED NOTES - TECHNOLOGY - CONSTRUCTION**
- 1 TECHNOLOGY CONTRACTOR SHALL REINSTALL WIRELESS ACCESS POINT THAT WAS REMOVED DURING DEMO. CONNECT TO SAME DATA CABLE THAT IT WAS ORIGINALLY CONNECTED TO. TECHNOLOGY CONTRACTOR SHALL RETRIEVE EQUIPMENT FROM KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008.
 - 2 TECHNOLOGY CONTRACTOR SHALL INSTALL (3) NEW DATA CABLES TO TEACHER'S STATION. AV CABLES BETWEEN TEACHER'S STATION AND PROJECTOR WILL BE PROVIDED/INSTALLED BY A TECHNOLOGY CONTRACTOR UNDER A SEPARATE PROJECT.
 - 3 POWER & LOW VOLTAGE ROUGH-IN ONLY. SYMBOL SHOWN FOR REFERENCE. PROJECTOR WILL BE PROVIDED/INSTALLED BY TECHNOLOGY CONTRACTOR DURING A SEPARATE PROJECT.
 - 4 CEILING BOX SHALL BE PROVIDED/INSTALLED BY ELECTRICAL CONTRACTOR (F9R CB-22). EC SHALL PROVIDE UNSWITCHED 120V CIRCUIT.
 - 5 AV SPEAKERS WILL BE PROVIDED/INSTALLED BY A TECHNOLOGY CONTRACTOR UNDER A SEPARATE PROJECT. LOCATIONS ARE SHOWN FOR REFERENCE.
 - 6 TECHNOLOGY CONTRACTOR SHALL INSTALL NEW PAGING SPEAKER. USE EXISTING WIRING.
 - 7 TECHNOLOGY CONTRACTOR SHALL INSTALL (1) NEW DATA CABLE TO CAMERA.
 - 8 TECHNOLOGY CONTRACTOR SHALL PROVIDE (1) NEW DATA CABLE TO WIRELESS ACCESS POINT. TECHNOLOGY CONTRACTOR SHALL INSTALL NEW WIRELESS ACCESS POINT. WAP PROVIDED BY KPS TECHNOLOGY SERVICES.
 - 9 TECHNOLOGY CONTRACTOR SHALL REINSTALL EXISTING CLOCK THAT WAS REMOVED DURING DEMO. USE EXISTING WIRING. TECHNOLOGY CONTRACTOR SHALL RETRIEVE EQUIPMENT FROM KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008.
 - 10 TECHNOLOGY CONTRACTOR SHALL PROVIDE AND INSTALL 120V NATIONAL TIME AND SIGNAL 12" DIAMETER ANALOG CLOCK. VERIFY COMPATIBILITY WITH CURRENT SYSTEM PRIOR TO ORDERING.
 - 11 TECHNOLOGY CONTRACTOR SHALL REINSTALL EXISTING CALL BUTTON THAT WAS REMOVED DURING DEMO. TECHNOLOGY CONTRACTOR SHALL RETRIEVE EQUIPMENT FROM KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008.
 - 12 THE CABLE AND DEVICE INSTALLATION WILL BE UNDER A SEPARATE PROJECT. LOCATIONS SHOWN FOR REFERENCE.
 - 13 THE INSTALLATION OF THE CAMERA WILL BE UNDER A SEPARATE PROJECT. LOCATION IS SHOWN FOR REFERENCE.

ADDENDUM # 8-14-2024
 ADDENDUM #2 8-7-2024
 ISSUED FOR DATE

PROJECT TITLE
 WINCHELL ELEMENTARY
 CLASSROOM ADDITION

OWNER
 KALAMAZOO PUBLIC
 SCHOOLS
 Kalamazoo, Michigan

WINCHELL ELEMENTARY



KEY PLAN
 SCALE: NO SCALE

SHEET TITLE
 OVERALL FIRST FLOOR TECHNOLOGY
 PLAN

DATE
 MAY 17, 2024

SHEET NUMBER
 T 101
 23-607.00

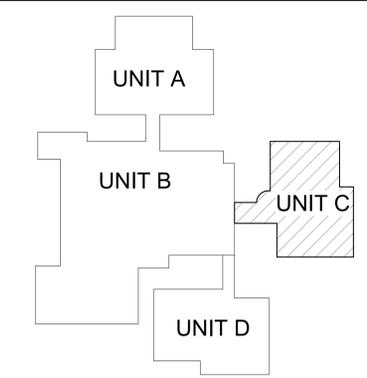


- KEYED NOTES - TECHNOLOGY - CONSTRUCTION**
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 - 9 TECHNOLOGY CONTRACTOR SHALL REINSTALL EXISTING CLOCK THAT WAS REMOVED DURING DEMO. USE EXISTING WIRING. TECHNOLOGY CONTRACTOR SHALL RETRIEVE EQUIPMENT FROM KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008.
 - 10 TECHNOLOGY CONTRACTOR SHALL PROVIDE AND INSTALL 120V NATIONAL TIME AND SIGNAL 12" DIAMETER ANALOG CLOCK. VERIFY COMPATIBILITY WITH CURRENT SYSTEM PRIOR TO ORDERING.
 - 11 TECHNOLOGY CONTRACTOR SHALL REINSTALL EXISTING CALL BUTTON THAT WAS REMOVED DURING DEMO. TECHNOLOGY CONTRACTOR SHALL RETRIEVE EQUIPMENT FROM KPS TECHNOLOGY SERVICES LOCATED AT 600 W VINE ST., KALAMAZOO, MI 49008.
 - 12 THE CABLE AND DEVICE INSTALLATION WILL BE UNDER A SEPARATE PROJECT. LOCATIONS SHOWN FOR REFERENCE.
 - 13 THE INSTALLATION OF THE CAMERA WILL BE UNDER A SEPARATE PROJECT. LOCATION IS SHOWN FOR REFERENCE.

ADDENDUM #1	8-14-2024
ADDENDUM #2	8-7-2024
ISSUED FOR	DATE

PROJECT TITLE	WINCHELL ELEMENTARY CLASSROOM ADDITION
OWNER	KALAMAZOO PUBLIC SCHOOLS
	Kalamazoo, Michigan

WINCHELL ELEMENTARY

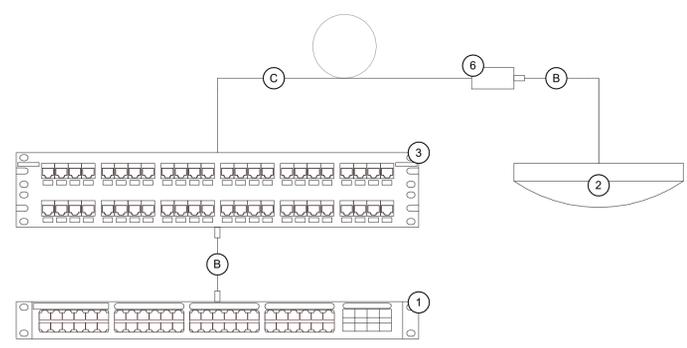
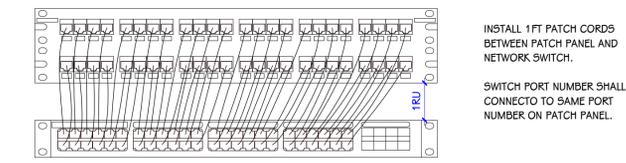
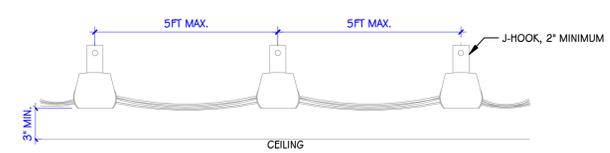
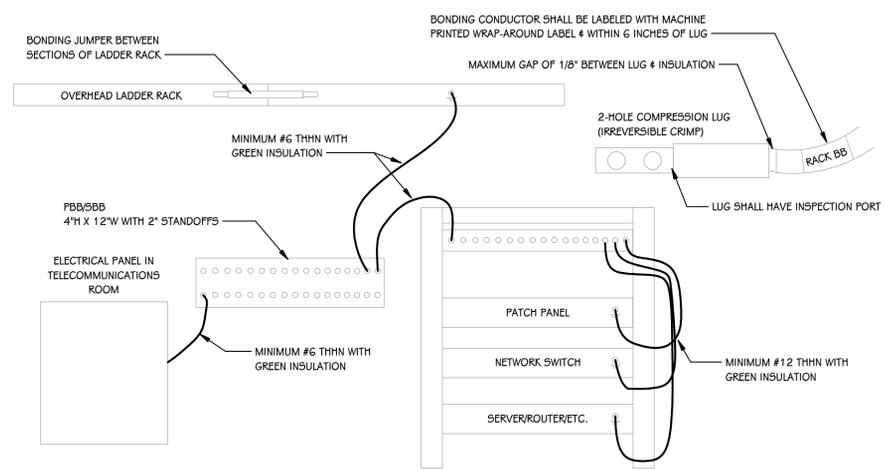
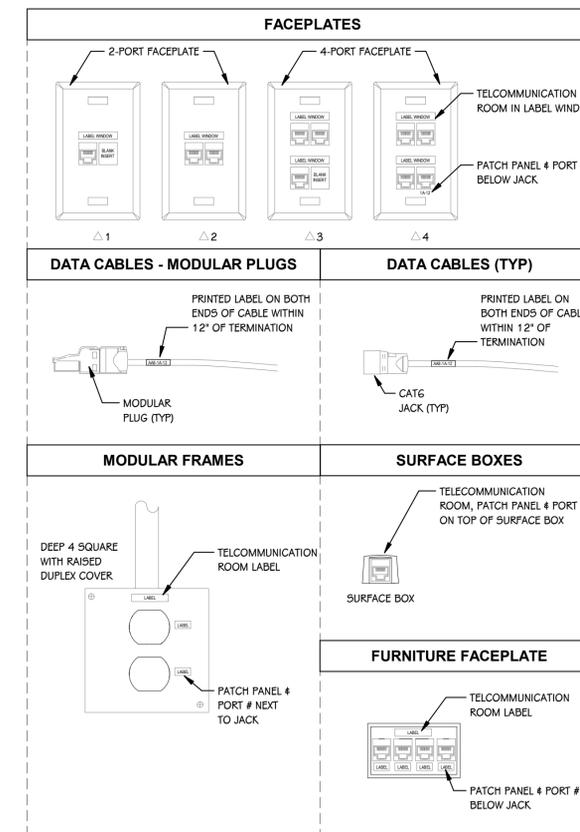


KEY PLAN
SCALE: NO SCALE

SHEET TITLE	FIRST FLOOR TECHNOLOGY PLAN - UNIT C
DATE	MAY 17, 2024
SHEET NUMBER	T 101C
	23-607.00

STRUCTURED CABLING EQUIPMENT SCHEDULE

DESCRIPTION	ENVIRONMENTAL SPACE	COLOR	PERFORMANCE LEVEL	MANUFACTURER	MFG. PART NUMBER	PURPOSE	CABLING NOTES
CABLE	PLENUM	BLUE	CAT6	GENERAL CABLE	7131900	ALL DATA CONNECTIONS	
CABLE	RISER	BLUE	CAT6	GENERAL CABLE	7133900	ALL DATA CONNECTIONS	
JACK MODULE	NA	RED	CAT6	PANDUIT	CJ688TGRD	COPPER BACKBONE	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	ORANGE	CAT6	PANDUIT	CJ688TGOR	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	YELLOW	CAT6	PANDUIT	CJ688TGYL	WIRELESS ACCESS POINT	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	GREEN	CAT6	PANDUIT	CJ688TGGR	FACILITIES	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	BLUE	CAT6	PANDUIT	CJ688TGBU	SPECIAL NETWORK	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	VIOLET	CAT6	PANDUIT	CJ688TGVL	SECURITY CAMERAS	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	BLACK	CAT6	PANDUIT	CJ688TGBL	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	GREY	CAT6	PANDUIT	CJ688TGIG	POTS LINE	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	IVORY, WHITE OR OFF-WHITE	CAT6	PANDUIT	CJ688TG**	GENERAL DATA # IP PHONES	INSTALL ON EACH END OF INSTALLED CABLE
1-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL1**Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
2-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL2**Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
2-PORT FACEPLATE (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPL25Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
3-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL3**Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
4-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL4**Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
4-PORT FACEPLATE (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPL45Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
6-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL6**Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
6-PORT FACEPLATE (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPL65Y		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
10-PORT FACEPLATE, 2-GANG (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPE10**-2GY		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
10-PORT FACEPLATE, 2-GANG (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPE105-2GY		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
1-PORT SURFACE BOX	PLENUM	SEE NOTES	NA	PANDUIT	CBX1**-A		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
2-PORT SURFACE BOX	PLENUM	SEE NOTES	NA	PANDUIT	CBX2**-A		COLOR # MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
4-PORT FURNITURE ADAPTER	NA	SEE NOTES	NA	PANDUIT	NA	ALL MODULAR FURNITURE CONNECTIONS	MATCH WITH FURNITURE MFG.
PATCH CABLE	PLENUM	MATCH JACK MODULE COLOR	CAT6	PANDUIT	UFP**10	ALL DATA CONNECTIONS IN PLENUM SPACE	LENGTH = 10FT (PROVIDE/INSTALL 1 PER INSTALLED CABLE)
PATCH CABLE	RISER	WHITE	CAT6	PANDUIT	UTP285P1	CROSS-CONNECT BETWEEN PATCH PANEL AND NETWORK SWITCH	LENGTH = 1FT (PROVIDE/INSTALL 1 PER INSTALLED CABLE)
PATCH CABLE	RISER	WHITE	CAT6	PANDUIT	UTPSP10Y	CONNECTION AT WORKSTATION/DEVICE	LENGTH = 10FT (PROVIDE/INSTALL 1 PER INSTALLED CABLE)

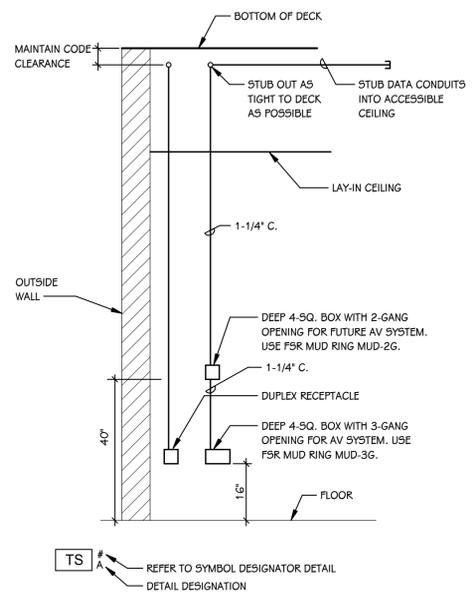


KEY #	DESCRIPTION	MANUFACTURER	PART #	COMMENTS
1	NETWORK SWITCH			EXISTING
2	WIRELESS ACCESS POINT			PROVIDED BY OWNER, INSTALLED BY LV CONTRACTOR
3	PATCH PANEL			EXISTING
6	SURFACE MOUNT BOX			REFER TO STRUCTURED CABLING EQUIPMENT SCHEDULE
B	PATCH CORD			REFER TO STRUCTURED CABLING EQUIPMENT SCHEDULE
C	CATEGORY CABLE			REFER TO STRUCTURED CABLING EQUIPMENT SCHEDULE. INCLUDE MINIMUM 15FT SERVICE LOOP

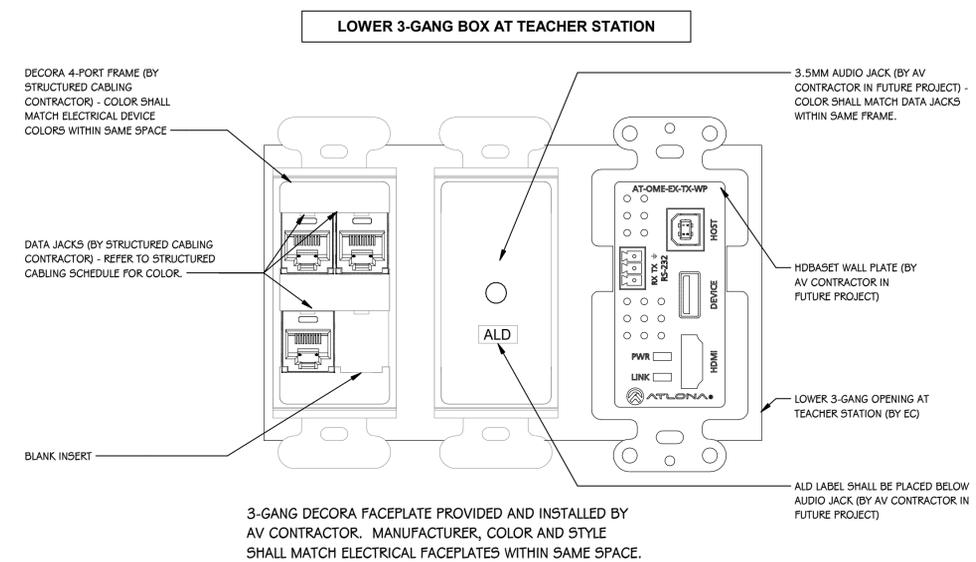
ADDENDUM #4 8-14-2024
ISSUED FOR DATE

PROJECT TITLE WINCHELL ELEMENTARY CLASSROOM ADDITION
OWNER KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

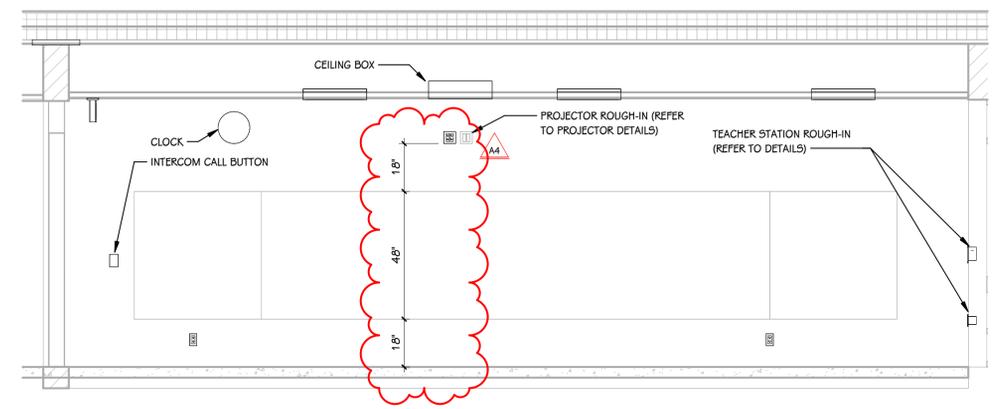
SHEET TITLE TECHNOLOGY DETAILS
DATE MAY 17, 2024
SHEET NUMBER T 401
23-607.00



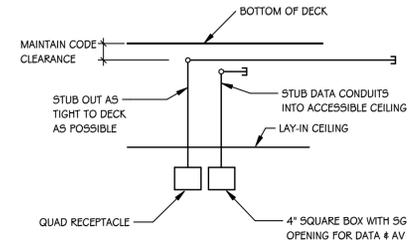
TEACHERS STATION ROUGH-IN DETAIL
SCALE: NONE



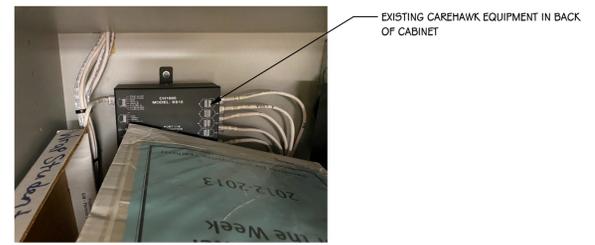
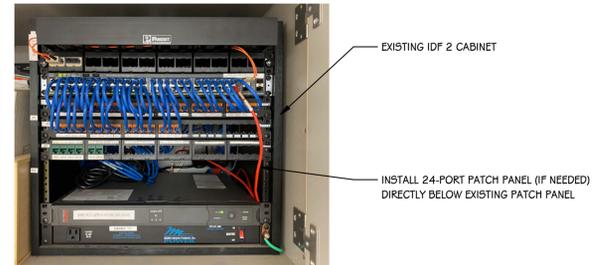
TEACHER STATION DEVICES
SCALE: NONE



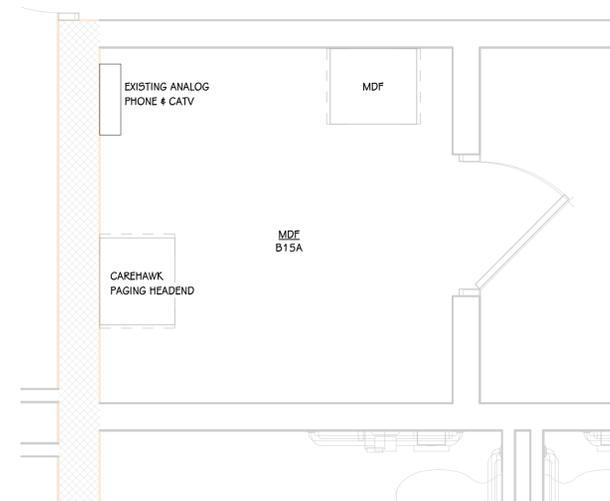
CLASSROOM TEACHING WALL ELEVATION (TYP)
AV1
3/8" = 1'-0"



RECESSED SHORT THROW PROJECTOR
SCALE: NONE



IDF 2 DETAILS
SCALE: NONE



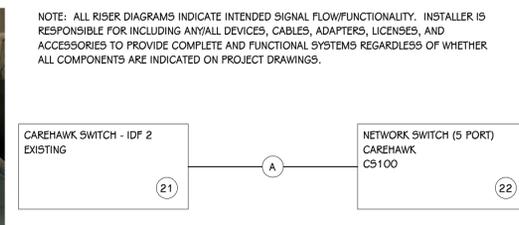
MDF B15A ENLARGED VIEW
SCALE: NONE



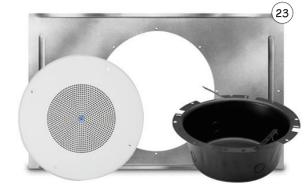
EXISTING CAREHAWK HEADEND
SCALE: NONE



EXISTING ANALOG & CATV
SCALE: NONE



NOTE: ALL RISER DIAGRAMS INDICATE INTENDED SIGNAL FLOW/FUNCTIONALITY. INSTALLER IS RESPONSIBLE FOR INCLUDING ANY/ALL DEVICES, CABLES, ADAPTERS, LICENSES, AND ACCESSORIES TO PROVIDE COMPLETE AND FUNCTIONAL SYSTEMS REGARDLESS OF WHETHER ALL COMPONENTS ARE INDICATED ON PROJECT DRAWINGS.



CAREHAWK PAGING DETAILS
SCALE: NONE

CAREHAWK EQUIPMENT SCHEDULE				
KEY #	DESCRIPTION	MANUFACTURER	PART #	COMMENTS
21	CAREHAWK SWITCH - IDF 2	EXISTING		
22	NETWORK SWITCH (5 PORT)	CAREHAWK	CS100	
23	PAGING SPEAKER KIT	ATLAS IED	SD72W-KIT	
24	INTERCOM CALL BUTTON	CAREHAWK	CS35	
A	CAT6 BULK CABLE			REFER TO STRUCTURED CABLING EQUIPMENT SCHEDULE

ADDENDUM #4 8-14-2024
ADDENDUM #2 8-7-2024
ISSUED FOR DATE

PROJECT TITLE
WINCHELL ELEMENTARY CLASSROOM ADDITION

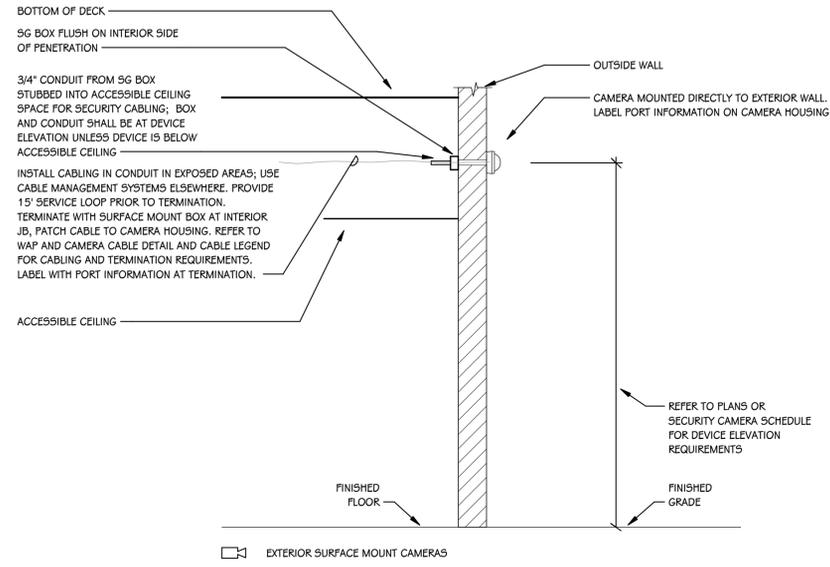
OWNER
KALAMAZOO PUBLIC SCHOOLS

LOCATION
Kalamazoo, Michigan

SHEET TITLE
TECHNOLOGY DETAILS

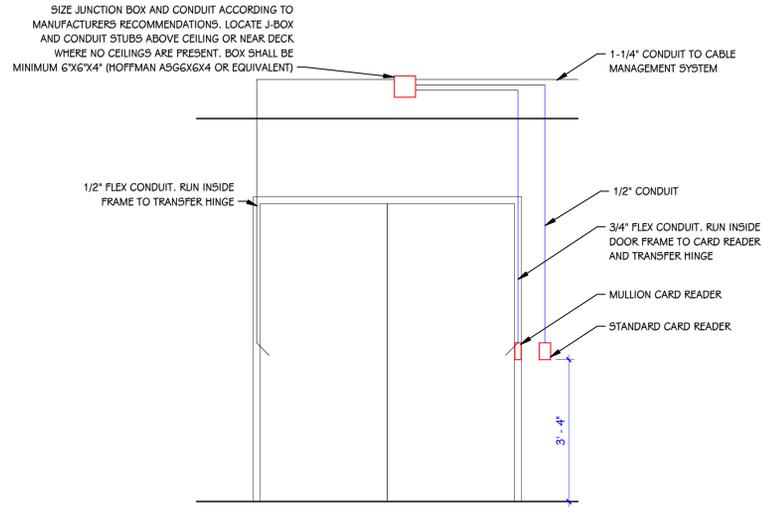
DATE
MAY 17, 2024

SHEET NUMBER
T 402
23-607.00



TYPICAL SECURITY CAMERA ROUGH-IN - EXTERIOR WALL

SCALE:
NONE



AC DOUBLE DOOR WITH LATCHES

SCALE: NONE

ADDENDUM #4 8-14-2024

ISSUED FOR DATE

PROJECT TITLE
WINCHELL ELEMENTARY
CLASSROOM ADDITION

OWNER
KALAMAZOO PUBLIC
SCHOOLS

Kalamazoo, Michigan

SHEET TITLE
SECURITY ROUGH-IN DETAILS

SHEET NUMBER
T 403
23-607.00

DATE
MAY 17, 2024