

DPW PROJECT 19107

CSI: ENTRY ACCESS CONTROL  
COLLEGE OF SOUTHERN IDAHO (CSI)  
TWIN FALLS, IDAHO  
Addendum #3

September 13, 2024

This Addendum applicable to work designed herein shall be understood to be and is an Addendum and as such shall be part of and included in the contract.

To all bidders for furnishing all labor and materials necessary for:

DPW PROJECT 19107

CSI: ENTRY ACCESS CONTROL  
COLLEGE OF SOUTHERN IDAHO (CSI)  
TWIN FALLS, IDAHO

Failure to acknowledge receipt of this Addendum on the bid proposal form may result in rejection of your bid.

**GENERAL:**

Wired ADA door push button may be changed to wireless buttons button LCN 8310-3855 WF or equal.

HSHS Building, Drawings show existing mullions on doors H1a, H1b, H4a, H4b, H6a, H6b, H7a, H7b, H9a, H9b, H10a, and H10b to be replaced with removable keyed mullions. It will actually require the replacement of the doors, new mullions and new Von Duprin 33 series crash bars. Account for this cost in the price for Alternate #4.

Canyon Building C19a is a wood door with an incompatible lock set configuration that will not accept the new wireless access lock. Include replacement of this door slab as part of the canyon building work scope.

Access Control PIMs and card readers shall be rs485 compatible.

Hardware schedule C1 shows a duplicate door number C30a, the duplicated door number should be C33a.

New Genetec servers are required for the following buildings:

- Canyon Building
- Fine Arts Building
- Health Science and Human Services Building
- Physical Education

Server Basis of Design is Seneca Confidence 100-Series(C100R-8T-W10) or equal

Existing Genetec servers are installed for the following buildings:

- Taylor Building
- Hepworth Building
- McManaman Building

Servers are capable of being reused with no hardware changes needed. Existing space is available on access control system network switches and structured cable patch panels to support additions for this project. Server and switch system configurations required for devices added as part of this project shall be included in the base bid.

Specified Network Switch for access control system Hewlett Packard HPE JL381A has been discontinued. Replacement switch shall be HPE Networking Aruba Instant On 1930 48G Class4 PoE 4SFP/SFP+ 370W Switch (JL686B#ABA) Network switch "configuration" (V-Lan setup, Security Policy setup, networking management and maintenance) shall be completed by CSI IT Department and is not to be included in base or alternate bid by the access control installation and integration contractor

**SPECIFICATIONS:**

12300 – Alternates: 3.1 – Schedule of Alternates revised

Alternate No. 1: Canyon Building

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 2: Physical Education Building

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 3: Fine Arts

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 4: Health Science and Human Services Building

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Revised Boilerplate: Bid Proposal page BP-1, Exhibit A Alternates revised  
FIXED PRICE CONTRACT AMOUNT AND ACCEPTED ALTERNATES:

Base Bid Amount:

Alternate No. 1: Canyon Building ( ) add \$.00

Alternate No. 2: Physical Education Building ( ) add \$.00

Alternate No. 3: Fine Arts ( ) add \$.00

Alternate No. 4: Health Science and Human Services Building ( ) add \$.00

Total Fixed Price Contract Amount ( ) Dollars \$.00

**DRAWINGS:**

T1.0 – Revised Alternates

E5.1 – Revised Alternate from Alternate #4 to Alternate #3

E5.1 – Revised Alternate from Alternate #4 to Alternate #3

E5.3 – Revised Alternate from Alternate #4 to Alternate #3

E5.4 – Revised Alternate from Alternate #4 to Alternate #3

E8.1 – Revised Alternate from Alternate #3 to Alternate #4

E8.2 – Revised Alternate from Alternate #3 to Alternate #4

E8.3 – Revised Alternate from Alternate #3 to Alternate #4

E8.4 – Revised Alternate from Alternate #3 to Alternate #4

E11.1 – Revised Alternate from Alternate #3 to Alternate #2

E11.2 – Revised Alternate from Alternate #3 to Alternate #2

E11.3 – Revised Alternate from Alternate #3 to Alternate #2

E11.4 – Revised Alternate from Alternate #3 to Alternate #2

E11.5 – Revised Alternate from Alternate #3 to Alternate #2

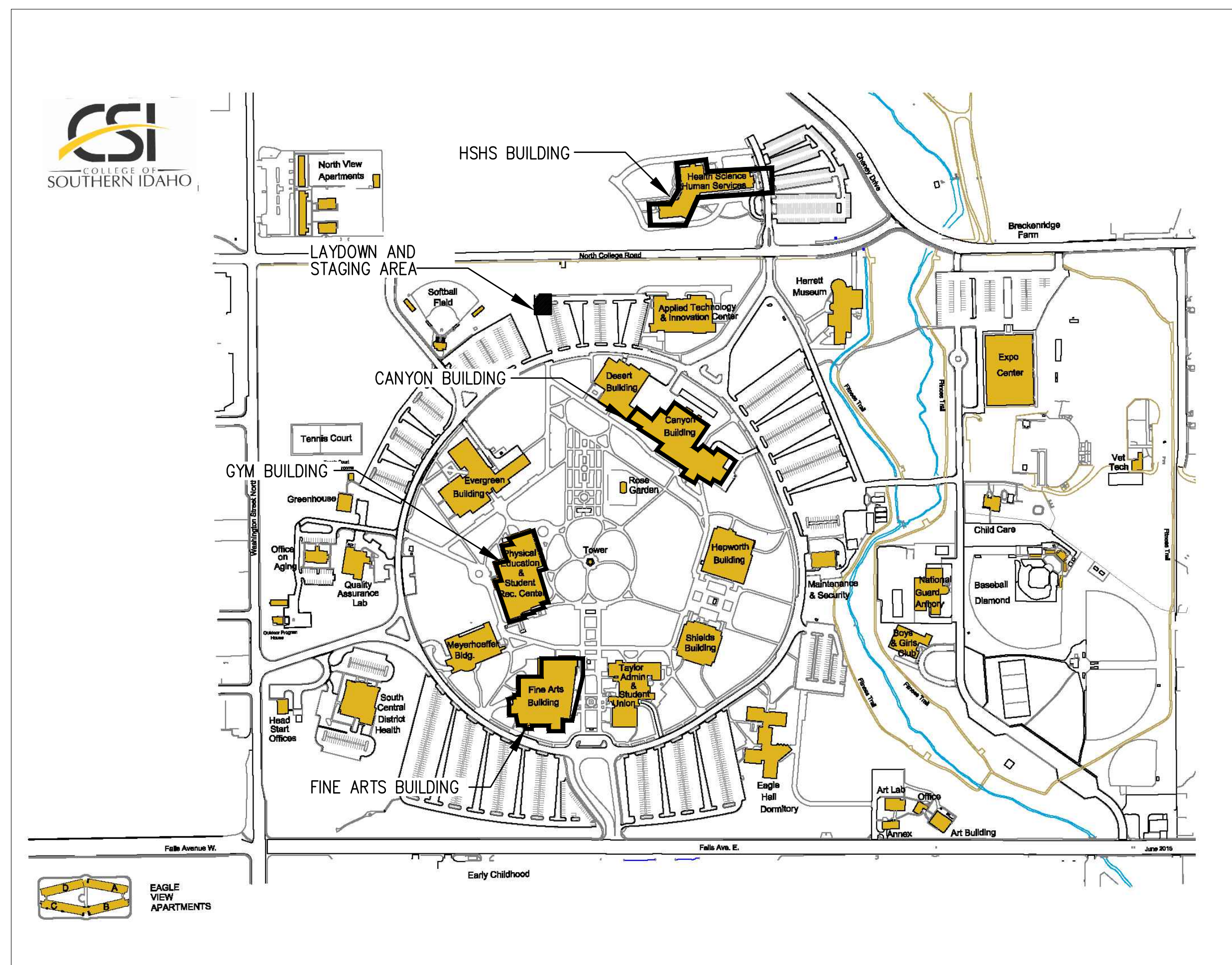
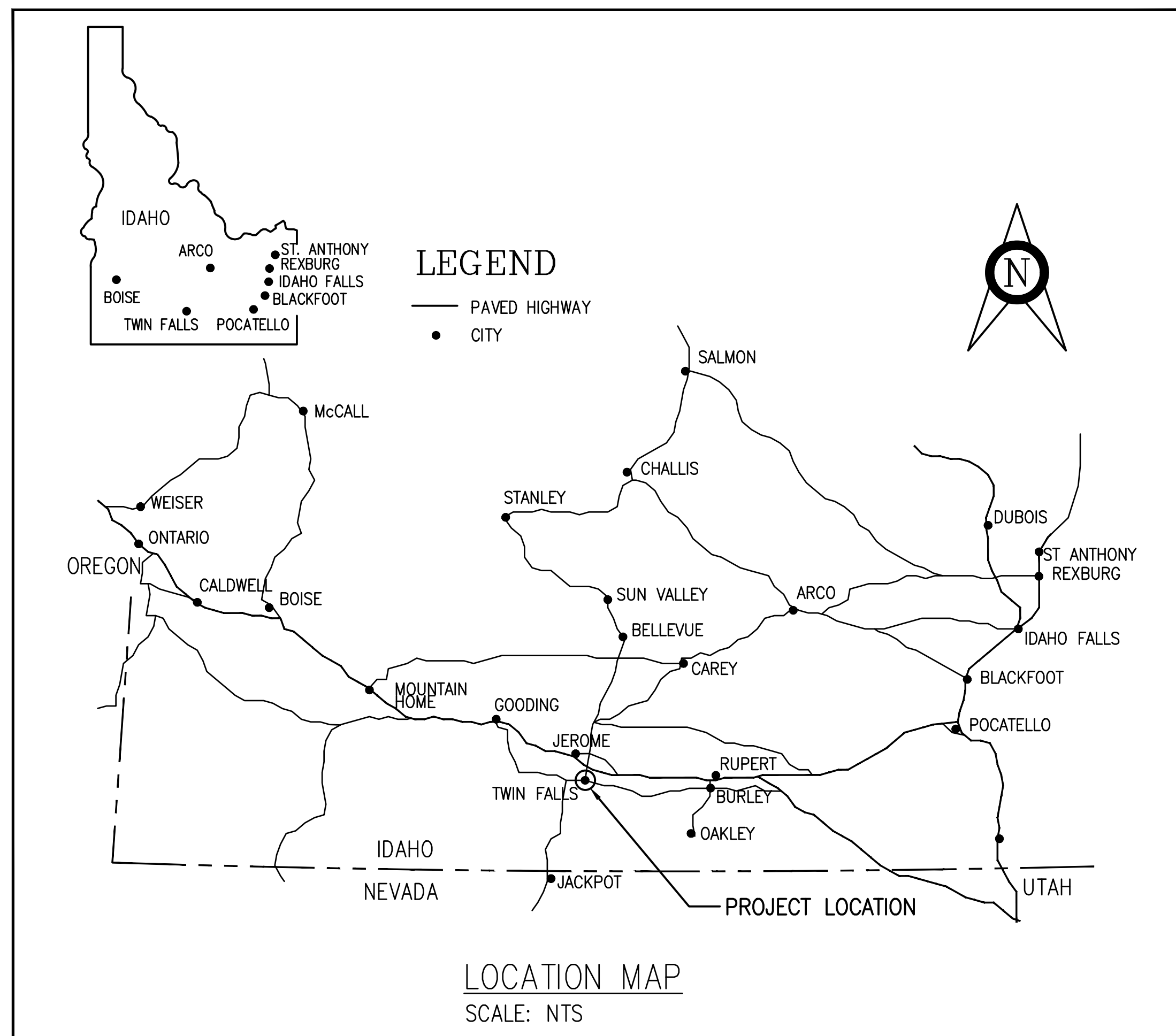
E11.6 – Revised Alternate from Alternate #3 to Alternate #2

**END OF ADDENDUM NO. 3**

# DPW PROJECT 19107 CSI: ENTRY ACCESS CONTROLS PHASE 2 COLLEGE OF SOUTHERN IDAHO TWIN FALLS, ID



NO.	REVISIONS	DATE
2	ADDITION #3	09/11/2024



LIST OF DRAWINGS	
T1.0	ELECTRICAL TITLE SHEET
T1.1	ELECTRICAL LEGENDS SHEET & FIBER MAP
<b>CANYON BUILDING (ALTERNATE #1)</b>	
A100	CANYON BUILDING DOOR REPLACEMENT PLAN
E2.1	ACCESS CONTROL PLAN
E2.2	ACCESS CONTROL PLAN
E2.3	IT ROOM 122F DATA RACK
E2.4	SECURITY CAMERA PLAN
<b>HEPWORTH BUILDING (BASE BID)</b>	
A101	HEPWORTH BUILDING DOOR REPLACEMENT PLAN
A400	DOOR SCHEDULES AND DETAILS
E6.1	ACCESS CONTROL PLAN
<b>MCMANNAMAN BUILDING (BASE BID)</b>	
E9.1	ACCESS CONTROL PLAN
E9.2	SECURITY CAMERA PLAN
<b>KEY SHOP BUILDING (BASE BID)</b>	
E15.1	ACCESS CONTROL PLAN
E15.2	SECURITY CAMERA PLAN
<b>TAYLOR BUILDING (BASE BID)</b>	
E14.1	ACCESS CONTROL PLAN
E14.2	SECURITY CAMERA PLAN
<b>HUMAN SERVICE AND HEALTH SCIENCES BUILDING (ALTERNATE #4)</b>	
E8.1	ACCESS CONTROL PLAN
E8.2	ACCESS CONTROL PLAN
E8.3	SECURITY CAMERA PLAN
E8.4	IT ROOM 149 DATA RACK
<b>PHYSICAL EDUCATION BUILDING (ALTERNATE #2)</b>	
E11.1	LOWER FLOOR ACCESS CONTROL PLAN
E11.2	UPPER FLOOR ACCESS CONTROL PLAN
E11.3	UPPER FLOOR ACCESS CONTROL PLAN
E11.4	UPPER FLOOR ACCESS CONTROL PLAN
E11.5	IT ROOM 230 DATA RACK
E11.6	SECURITY CAMERA PLAN
<b>FINE ARTS BUILDING (ALTERNATE #3)</b>	
E5.1	NORTH ACCESS CONTROL PLAN
E5.2	SOUTH ACCESS CONTROL PLAN
E5.3	SECURITY CAMERA PLAN
E5.4	IT ROOM 114 DATA RACK

CODES	
INTERNATIONAL BUILDING CODE	- 2018 OF IDAHO
EXISTING INTERNATIONAL BUILDING CODE	- 2020
IDAHO ENERGY CONSERVATION COED	- 2018 OF IDAHO
NATIONAL ELECTRIC CODE	- 2017 OF IDAHO

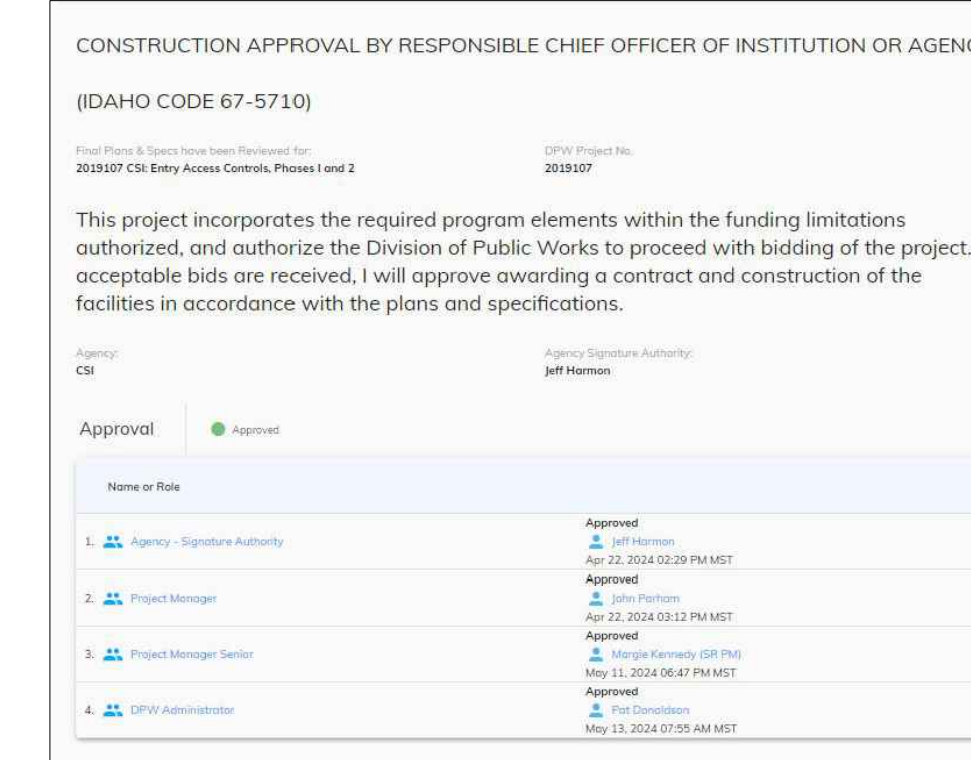
**DESIGN PROFESSIONAL CONTACT**  
MUSGROVE ENGINEERING P.A.  
MATTHEW BRADLEY P.E.  
645 WEST 25TH STREET  
IDAHO FALLS ID 83404  
208-523-2862

**AGENCY CONTACT**  
COLLEGE OF SOUTHERN IDAHO  
THEO SCHUT  
315 FALLS AVE  
TWIN FALLS ID 83301  
208-732-6610

**OWNER CONTACT**  
IDAHO DIVISION OF PUBLIC WORKS  
JOHN B. PARHAM  
502 N 4TH ST  
BOISE ID 83702  
208-332-1909

**PROJECT GENERAL NOTES:**

- ALL BUILDINGS ON CSI CAMPUS ARE TO REMAIN 100% OWNER OCCUPIED. BUILDING EXITING AND SECURITY SHALL BE MAINTAINED DURING CONSTRUCTION.
- ACCESS CONTROL SYSTEM AND SECURITY CAMERA SYSTEM SHALL OPERATE ON EXISTING DARK FIBER AS INSTALLED ON CSI CAMPUS. FIELD VERIFY EXISTING DARK FIBER SYSTEM PRIOR TO BID TO VERIFY FUNCTIONALITY AND FIBER OPTIC TYPE.



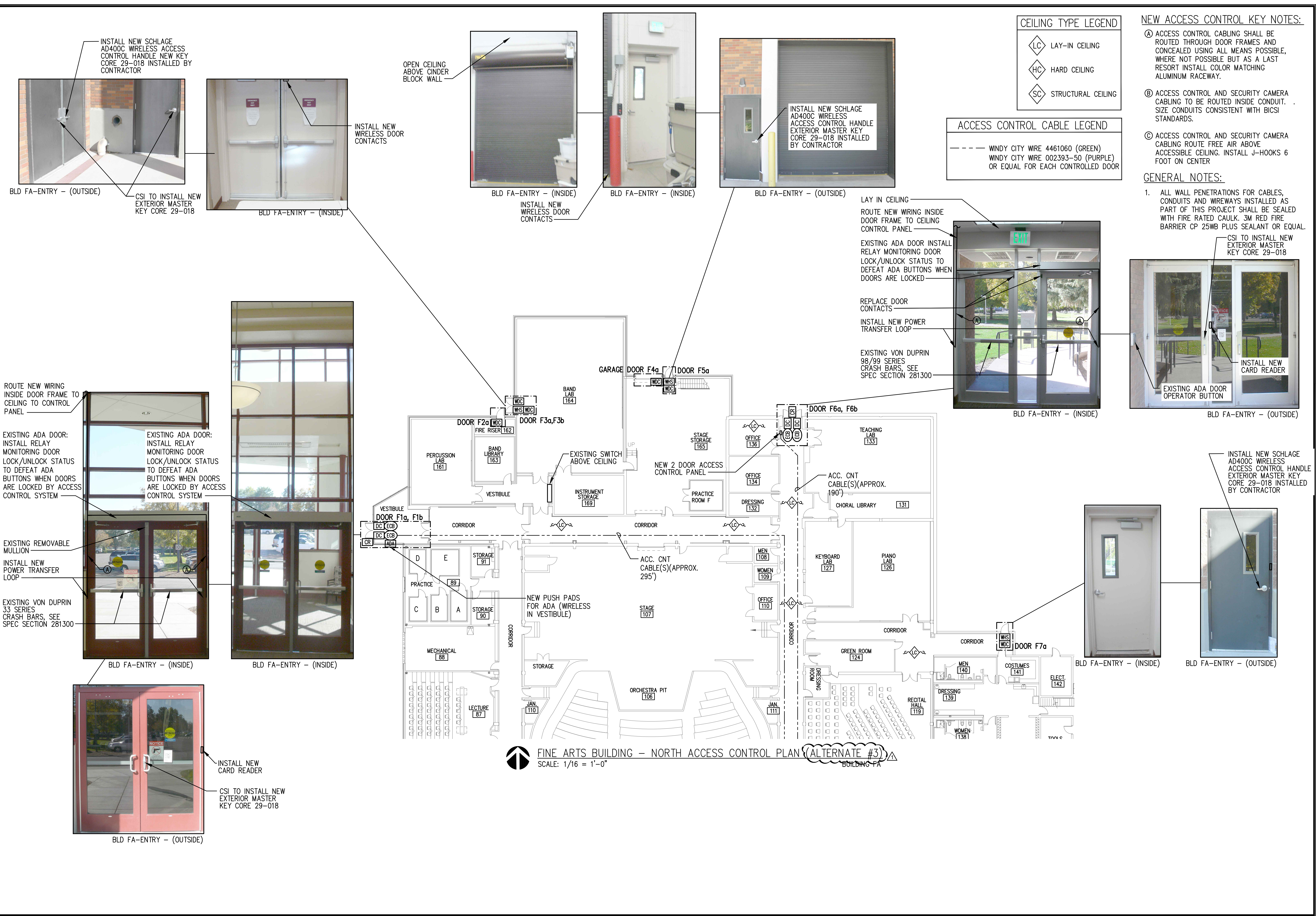
MUSGROVE ENGINEERING P.A.  
25th Street, Twin Falls, ID 83404  
208-523-2862  
www.musgrovepa.com

DPW PROJECT 19107  
CSI: ENTRY ACCESS CONTROLS, PHASE II  
COLLEGE OF SOUTHERN IDAHO  
TWIN FALLS, ID

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
DATE	JULY 2024
SCALE	AS SHOWN
SHEET	

T1.0

OVER 40 YEARS OF EXCELLENCE



**CEILING TYPE LEGEND**

- ◇ LC LAY-IN CEILING
- ◇ HC HARD CEILING
- ◇ SC STRUCTURAL CEILING

**ACCESS CONTROL CABLE LEGEND**

- WINDY CITY WIRE 4461060 (GREEN)
- WINDY CITY WIRE 002393-50 (PURPLE)
- OR EQUAL FOR EACH CONTROLLED DOOR

- NEW ACCESS CONTROL KEY NOTES:**
- Ⓐ ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE BUT AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY.
  - Ⓑ ACCESS CONTROL AND SECURITY CAMERA CABLING TO BE ROUTED INSIDE CONDUIT. SIZE CONDUITS CONSISTENT WITH BICSI STANDARDS.
  - Ⓒ ACCESS CONTROL AND SECURITY CAMERA CABLING ROUTE FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER
- GENERAL NOTES:**
- ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

DATE	09/11/2024
REVISIONS	
NO.	2
ADDITION #3	

**MUSGROVE ENGINEERING, P.A.**  
 2340 N. Myrtle Way  
 Boise, ID 83705  
 208.384.0555  
 645 West 25th Street  
 Idaho Falls, ID 83402  
 www.musgrovepa.com

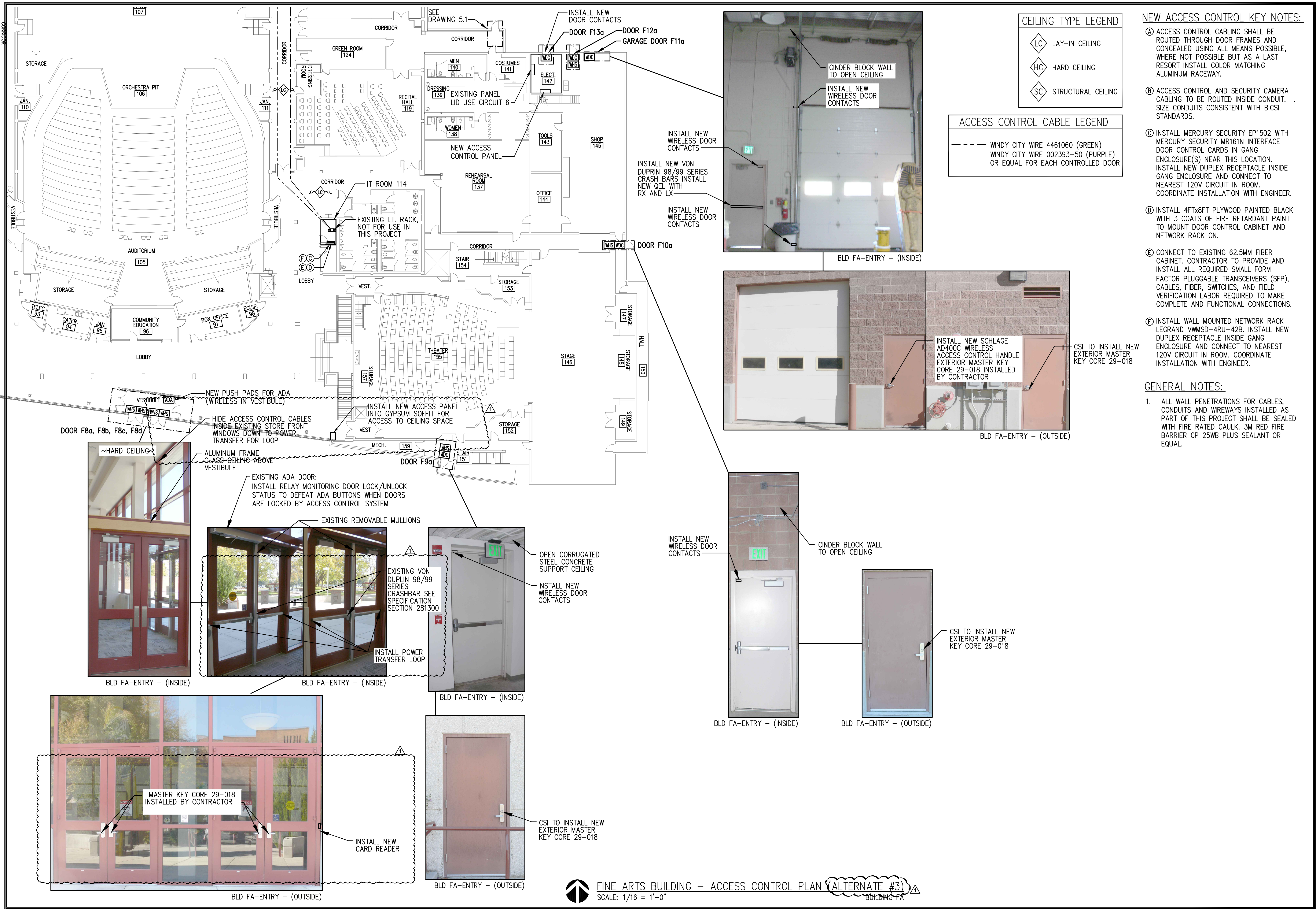
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SHEET	

E5.1



NO.	ADDENDUM #2	ADDENDUM #3	DATE
1			08/02/24
2			09/11/2024

**MUSGROVE ENGINEERING, P.A.**  
 2400 West Valley Blvd  
 Boise, ID 83705  
 208.384.1055  
 Idaho Permit No. 1285002  
 www.musgrovepa.com

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E5.2

### CAMERA SCHEDULE (MINIMUM SPECIFICATIONS)

SYMBOL	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION H.264	FRAMES PER SECOND	MINIMUM ILLUMINATION	POWER INPUT DC 12V	HOUSING	OPERATING TEMPERATURE
E1	EXTERIOR BULLET	H: 100-31 / V: 72-23	3.2-10.0MM, MOTORIZED VARIFOCAL	1/12.00S - 1/5S	5MP (2592X1944)	25/30	0.15 LUX @ F1.6 (COLOR)	POE	IP66	-30 C TO 55 C
I1	INTERIOR DOME	H: 100-31 / V: 72-23	3.2-10.0MM, MOTORIZED VARIFOCAL	1/12.00S - 1/5S	5MP (2592X1944)	25/30	0.15 LUX @ F1.6 (COLOR)	POE	INT	-10 C TO 55 C

#### SECURITY CAMERA KEY NOTES:

- Ⓐ SECURITY CAMERA CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS.
- Ⓑ SECURITY CAMERA CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER
- Ⓒ ROUTE SECURITY CAMERA CABLING INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS ALONG TOP OF BEAM ACROSS HALLWAY.

#### CAMERA CABLE LEGEND

—CABE— WINDY CITY WIRE 5566080/23-4P (GRAY) OR EQUAL

#### CEILING TYPE LEGEND

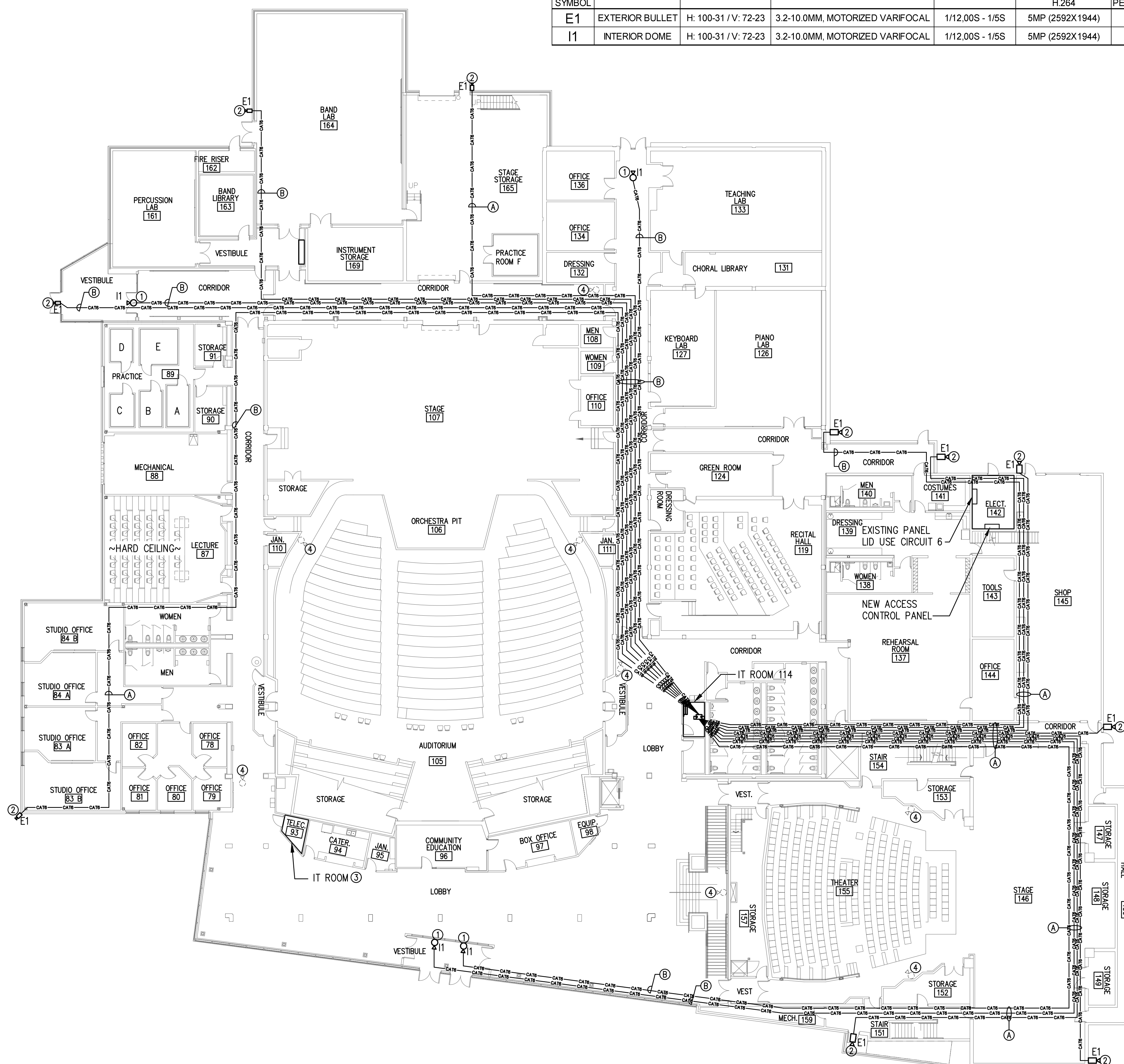
- ◇ LC LAY-IN CEILING
- ◇ HC HARD CEILING
- ◇ SC STRUCTURAL CEILING

#### DRAWING KEY NOTES:

- ① CONTRACTOR TO PROVIDE AND INSTALL DOME CAMERA, TYPE AS INDICATED, ON ACCESSIBLE CEILING.
- ② CONTRACTOR TO PROVIDE AND INSTALL EXTERIOR BULLET CAMERA, TYPE AS INDICATED.
- ③ NEW FIBER CONNECTIONS BACK TO MAIN IT CLOSET INSTALLED BY CSI IT.
- ④ EXISTING CAMERA TO REMAIN.

#### GENERAL NOTES:

- 1. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.



FINE ARTS BUILDING – SECURITY CAMERA PLAN (ALTERNATE #3)  
 SCALE: 1/16" = 1'-0"  
 BUILDING FA

NO.	REVISIONS	DATE
1 <td> <td>09/11/2024</td> </td>	<td>09/11/2024</td>	09/11/2024

MUSGROVE ENGINEERING, P.A.  
 2345 W. Valley Road, ID 83405  
 445 West 2nd Street, Idaho Falls, ID 83402  
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E5.3

**HARDWARE GROUP NO. F1:**

FOR USE ON DOOR #(S):

QTY	F2a	F3B	F11a	F13a	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA				WIRELESS DOOR CONTACT AND RECEIVER	INOVONICS EN1210W PROVIDED BY SECURITY SYSTEM INSTALLER. INOVONICS EN4204R RECEIVERS, QUANTITY AS REQUIRED FOR FUNCTIONAL SYSTEM CSI STANDARDIZED PRODUCT	WHITE	INN

**HARDWARE GROUP NO. F2**

FOR USE ON DOOR #(S):

QTY	F8a, b, c, d	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
4	EA	WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH.	AD-400-CY-50-MT-RHO.626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED CSI STANDARDIZED PRODUCT	626	SCE
1	EA	PIM	PIM400-1501 CSI STANDARDIZED PRODUCT		SCE

**HARDWARE GROUP NO. F3**

FOR USE ON DOOR #(S):

QTY	F3a	F5a	F7a	F9a	F10a	F12a	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA						WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH.	AD-400-CY-50-MT-RHO.626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED CSI STANDARDIZED PRODUCT	626	SCE
1	EA						PIM	PIM400-1501 CSI STANDARDIZED PRODUCT		SCE
1	EA						WIRELESS DOOR CONTACT AND RECEIVER	INOVONICS EN1210W PROVIDED BY SECURITY SYSTEM INSTALLER. INOVONICS EN4204R RECEIVERS, QUANTITY AS REQUIRED FOR FUNCTIONAL SYSTEM CSI STANDARDIZED PRODUCT	WHITE	INN

**HARDWARE GROUP NO. F4**

FOR USE ON DOOR #(S):

QTY	F1a, b	F6a, b	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA		ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS TECH. MLRK1-VD + VDLMBKIT-ED CSI STANDARDIZED PRODUCT		CAT
2	EA		POWER TRANSFER LOOP, BLACK END CAPS	SDC SECURITY PT-2 CSI STANDARDIZED PRODUCT	STAIN LESS STEEL	SDC
1	EA		MULTI-TECH READER	SCHLAGE MT11 12 VDC CSI STANDARDIZED PRODUCT	BLACK	SCE
2	EA		WIRED DOOR CONTACT	ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER CSI STANDARDIZED PRODUCT	WHITE	ARI

**HARDWARE GROUP NO. F5:**

FOR USE ON DOOR #(S):

QTY	F4a	F11a	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA		WIRED DOOR CONTACT DOOR TRACK MOUNTED	WBOX TECHNOLOGIES OE-DC4811 CSI STANDARDIZED PRODUCT	AL	WBX

**DOOR HARDWARE NOTES**

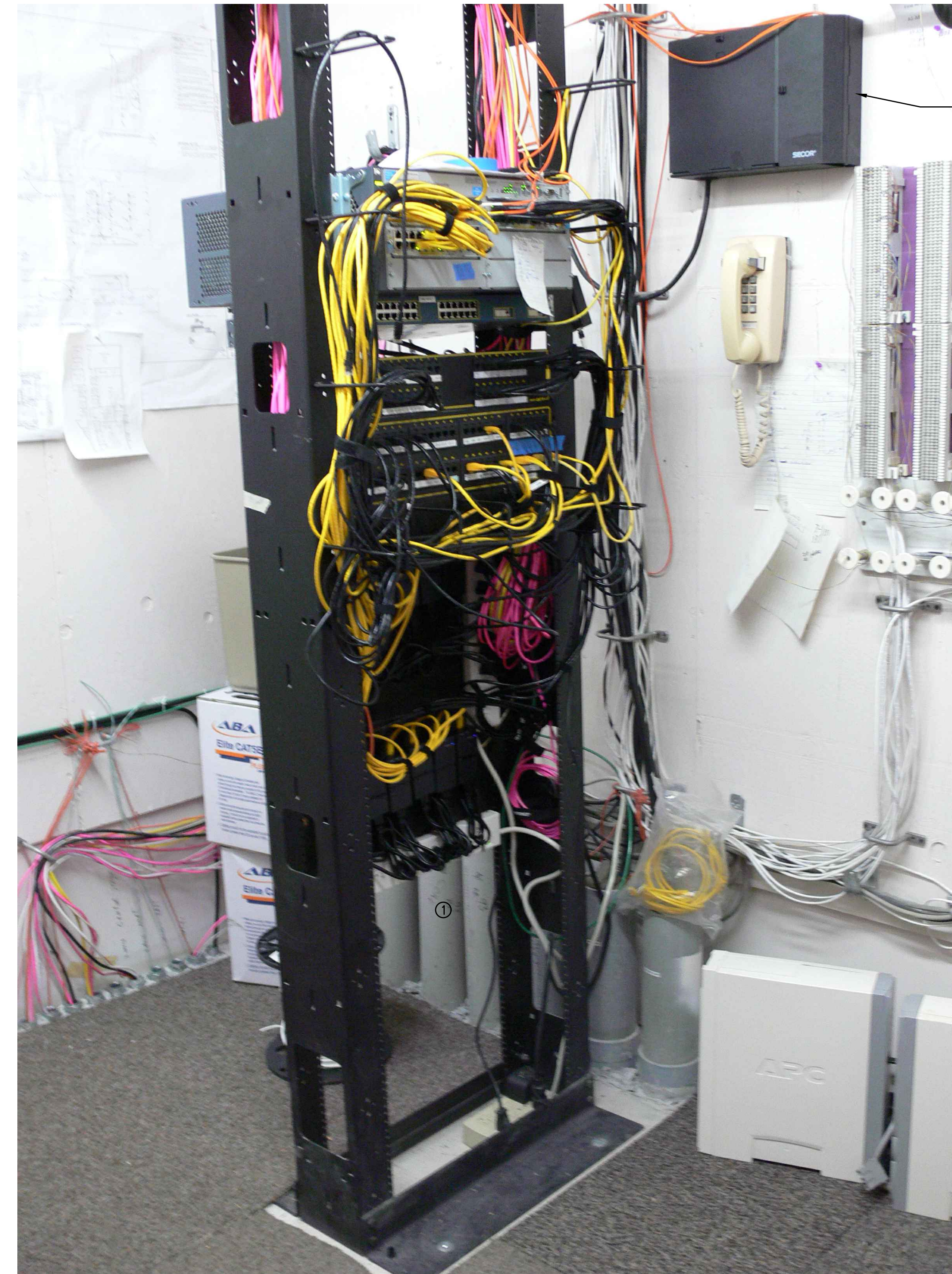
- INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR HARDWARE WALK WITH DOOR HARDWARE DISTRIBUTOR, INSTALLING CONTRACTORS SUPERINTENDENT, CSI PROJECT MANAGER, AND DESIGN PROFESSIONAL PRIOR TO ORDERING DOOR HARDWARE AND INSTALLATION. THE PURPOSE OF THIS DOOR HARDWARE WALK IS TO VERIFY THAT THE DOOR HARDWARE FITMENT IS CORRECT PRIOR TO ORDERING.

**GENERAL NOTES:**

- ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

**DRAWING KEY NOTES:**

- U SPACE CHANGED BY CSI IT.



ROOM 114 DATA RACK  
(ALTERNATE #3)

FIBER PATCH PANEL. OPEN FIBER OPTIC CONNECTION AT 16.1, 16.2, 16.3. COORDINATE INSTALLATION WITH CSI IT DEPARTMENT. CONTRACTOR SHALL PROVIDE FIBER PATCH CABLE, AND SFP FOR ACCESS CONTROL NETWORK SWITCH. FIELD VERIFY FIBER OPTIC CABLE TYPE AND SFP REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION.

NO.	REVISIONS	DATE
1		09/11/2024

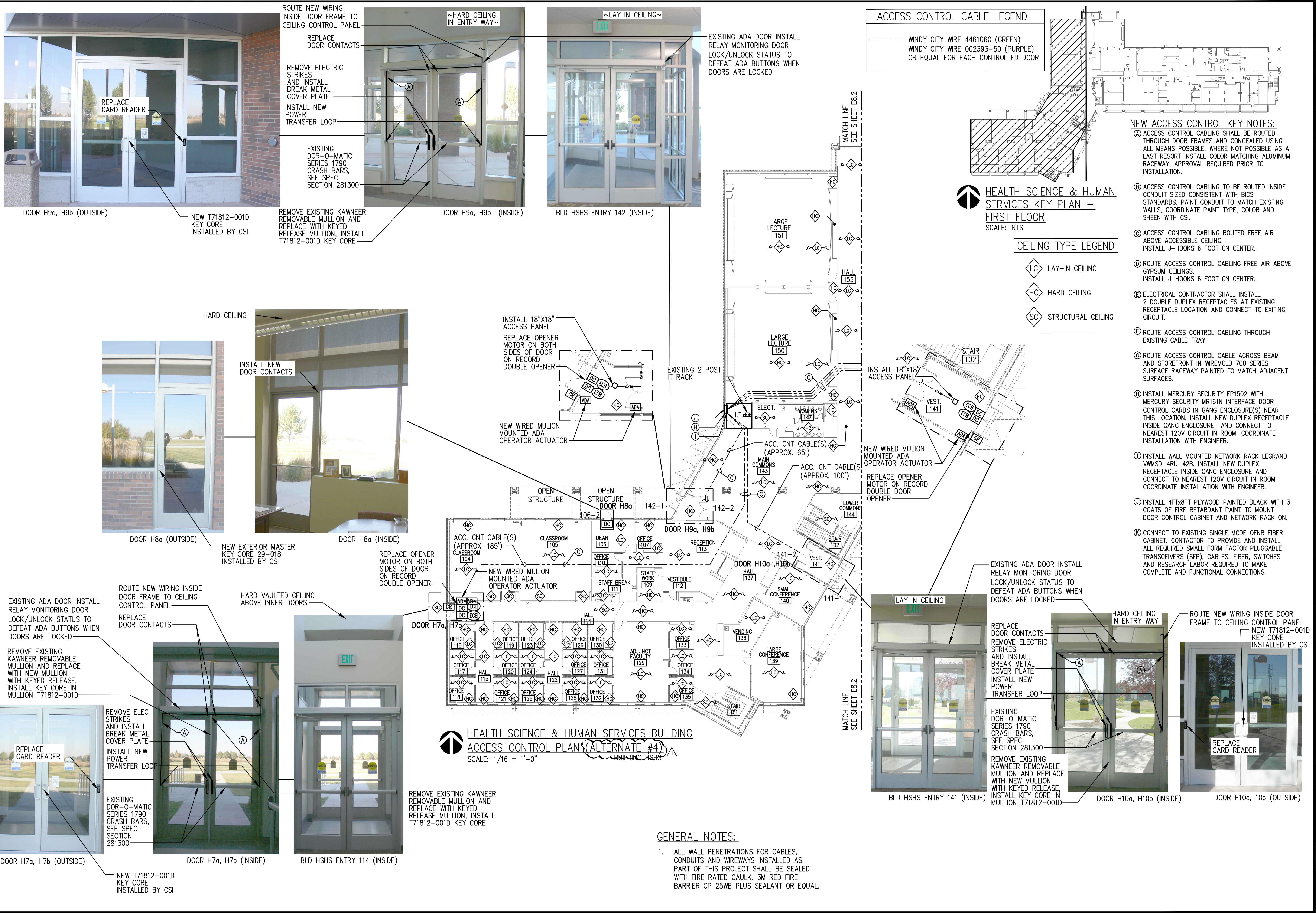
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2340 W. Valley Road, ID 83705  
208.384.4358  
445 West 25th Street  
Tulsa, OK 74103  
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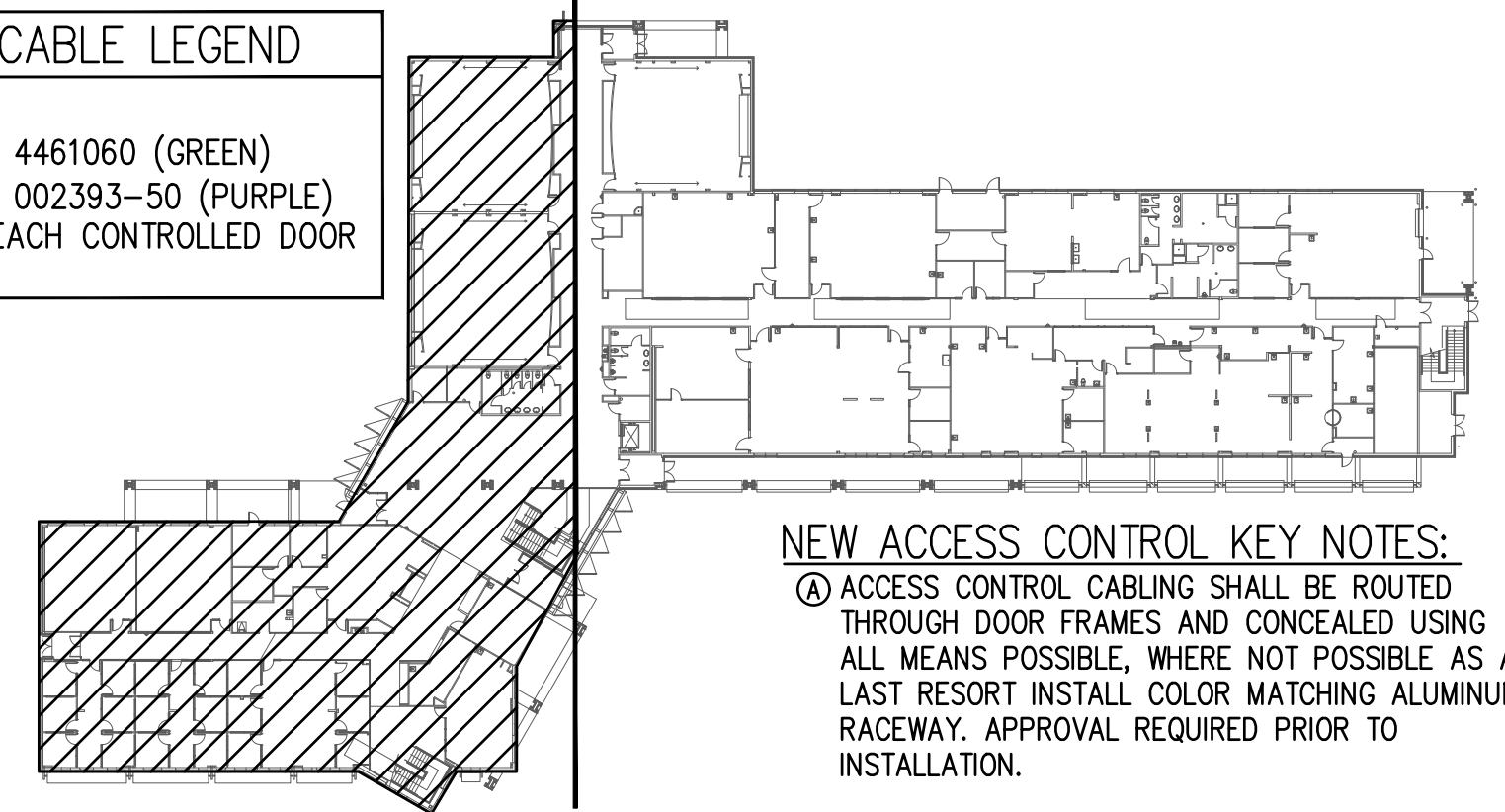
PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
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SCALE	AS SHOWN
SHEET	

E5.4



**ACCESS CONTROL CABLE LEGEND**

--- WINDY CITY WIRE 4461060 (GREEN)  
 --- WINDY CITY WIRE 002393-50 (PURPLE)  
 OR EQUAL FOR EACH CONTROLLED DOOR



**NEW ACCESS CONTROL KEY NOTES:**

Ⓐ ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY. APPROVAL REQUIRED PRIOR TO INSTALLATION.

Ⓑ ACCESS CONTROL CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS. PAINT CONDUIT TO MATCH EXISTING WALLS, COORDINATE PAINT TYPE, COLOR AND SHEEN WITH CSI.

Ⓒ ACCESS CONTROL CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER.

Ⓓ ROUTE ACCESS CONTROL CABLING FREE AIR ABOVE GYPSUM CEILINGS. INSTALL J-HOOKS 6 FOOT ON CENTER.

Ⓔ ELECTRICAL CONTRACTOR SHALL INSTALL 2 DOUBLE DUPLEX RECEPTACLES AT EXISTING RECEPTACLE LOCATION AND CONNECT TO EXISTING CIRCUIT.

Ⓕ ROUTE ACCESS CONTROL CABLING THROUGH EXISTING CABLE TRAY.

Ⓖ ROUTE ACCESS CONTROL CABLE ACROSS BEAM AND STOREFRONT IN WIREMOLD 700 SERIES SURFACE RACEWAY PAINTED TO MATCH ADJACENT SURFACES.

Ⓗ INSTALL MERCURY SECURITY EP1502 WITH MERCURY SECURITY MR161N INTERFACE DOOR CONTROL CARDS IN GANG ENCLOSURE(S) NEAR THIS LOCATION. INSTALL NEW DUPLEX RECEPTACLE INSIDE GANG ENCLOSURE AND CONNECT TO NEAREST 120V CIRCUIT IN ROOM. COORDINATE INSTALLATION WITH ENGINEER.

Ⓘ INSTALL WALL MOUNTED NETWORK RACK LEGRAND WMSD-4RU-42B. INSTALL NEW DUPLEX RECEPTACLE INSIDE GANG ENCLOSURE AND CONNECT TO NEAREST 120V CIRCUIT IN ROOM. COORDINATE INSTALLATION WITH ENGINEER.

Ⓢ INSTALL 4FTx8FT PLYWOOD PAINTED BLACK WITH 3 COATS OF FIRE RETARDANT PAINT TO MOUNT DOOR CONTROL CABINET AND NETWORK RACK ON.

Ⓚ CONNECT TO EXISTING SINGLE MODE OFNR FIBER CABINET. CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED SMALL FORM FACTOR PLUGGABLE TRANSCEIVERS (SFP), CABLES, FIBER, SWITCHES AND RESEARCH LABOR REQUIRED TO MAKE COMPLETE AND FUNCTIONAL CONNECTIONS.

**HEALTH SCIENCE & HUMAN SERVICES KEY PLAN - FIRST FLOOR**  
 SCALE: NTS

**CEILING TYPE LEGEND**

Ⓕ LAY-IN CEILING  
 Ⓗc HARD CEILING  
 Ⓕc STRUCTURAL CEILING

**HEALTH SCIENCE & HUMAN SERVICES BUILDING**  
**ACCESS CONTROL PLAN (ALTERNATE #4)**  
 SCALE: 1/16 = 1'-0"

**GENERAL NOTES:**

1. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK, 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

DATE	09/11/2024
REVISIONS	
NO.	1
ADDENDUM #	

**MUSGROVE ENGINEERING, P.A.**  
 2440 West Valley Blvd., Suite 200  
 Boise, ID 83726  
 208.384.1055  
 Idaho Permit No. 12450  
 www.musgrove.com

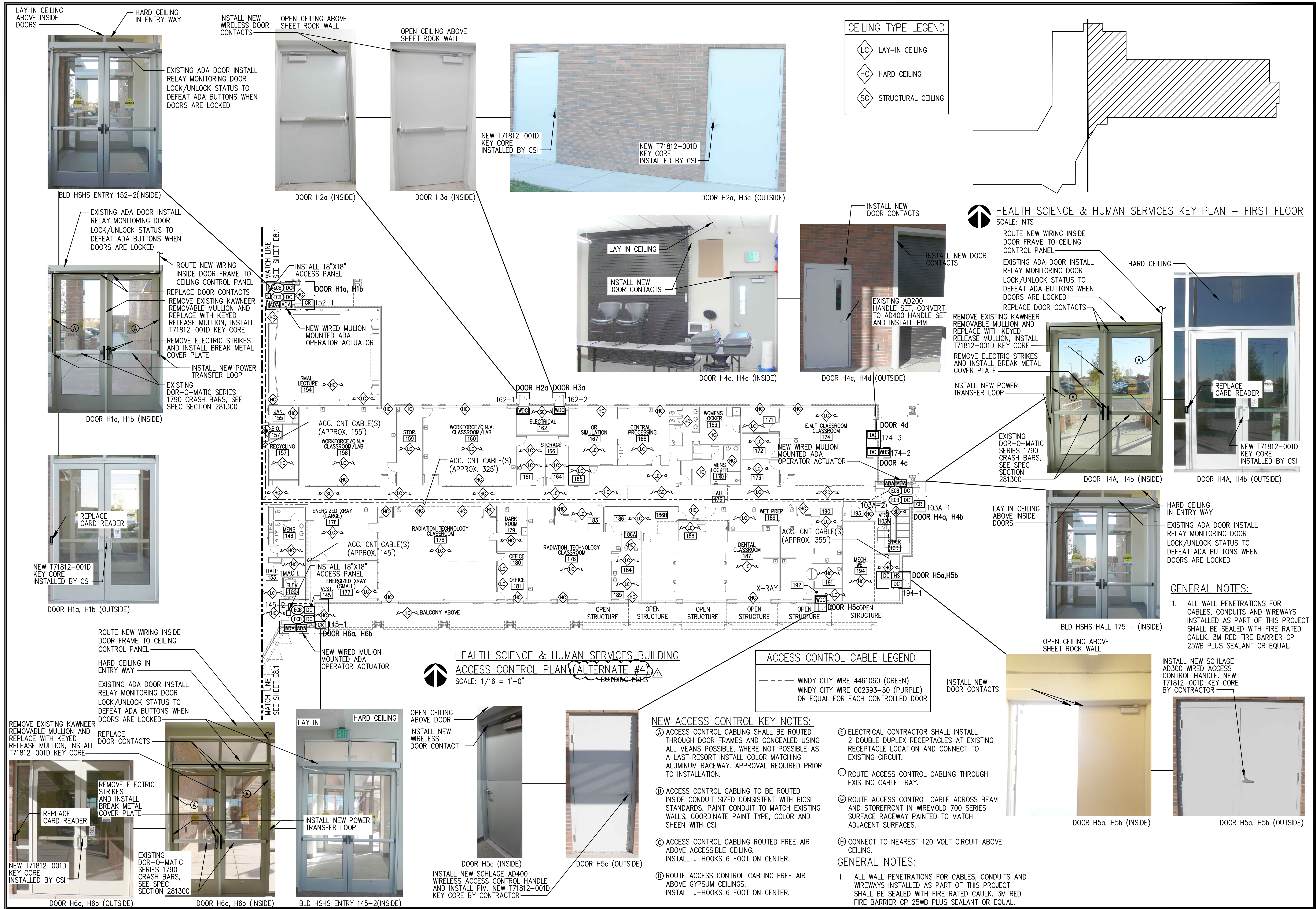
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**TWIN FALLS, ID**

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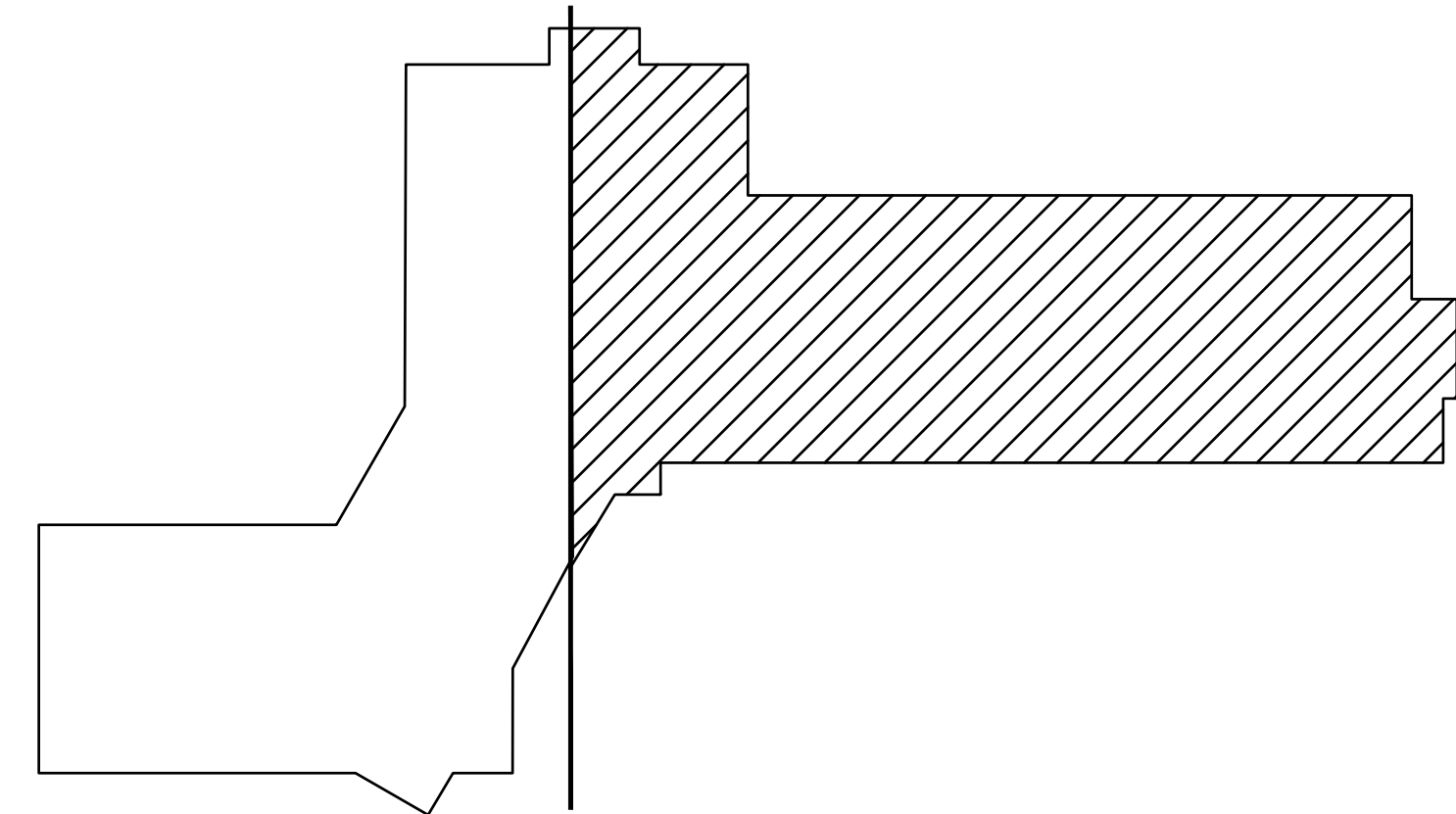
**E 8.1**





**CEILING TYPE LEGEND**

◇ LC	LAY-IN CEILING
◇ HC	HARD CEILING
◇ SC	STRUCTURAL CEILING



**ACCESS CONTROL CABLE LEGEND**

---	WINDY CITY WIRE 4461060 (GREEN)
---	WINDY CITY WIRE 002393-50 (PURPLE) OR EQUAL FOR EACH CONTROLLED DOOR

- NEW ACCESS CONTROL KEY NOTES:**
- Ⓐ ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY. APPROVAL REQUIRED PRIOR TO INSTALLATION.
  - Ⓑ ACCESS CONTROL CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS. PAINT CONDUIT TO MATCH EXISTING WALLS, COORDINATE PAINT TYPE, COLOR AND SHEEN WITH CSI.
  - Ⓒ ACCESS CONTROL CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER.
  - Ⓓ ROUTE ACCESS CONTROL CABLING FREE AIR ABOVE GYPSUM CEILINGS. INSTALL J-HOOKS 6 FOOT ON CENTER.
  - Ⓔ ELECTRICAL CONTRACTOR SHALL INSTALL 2 DOUBLE DUPLEX RECEPTACLES AT EXISTING RECEPTACLE LOCATION AND CONNECT TO EXISTING CIRCUIT.
  - Ⓕ ROUTE ACCESS CONTROL CABLING THROUGH EXISTING CABLE TRAY.
  - Ⓖ ROUTE ACCESS CONTROL CABLE ACROSS BEAM AND STOREFRONT IN WIREMOLD 700 SERIES SURFACE RACEWAY PAINTED TO MATCH ADJACENT SURFACES.
  - Ⓖ CONNECT TO NEAREST 120 VOLT CIRCUIT ABOVE CEILING.

- GENERAL NOTES:**
1. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

NO.	1	ADDENDUM #3
REVISIONS		
DATE	09/11/2024	

**MUSGROVE ENGINEERING, P.A.**  
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208.388.1055  
445 West 2nd Street  
Twin Falls, ID 83402  
www.musgrove.com

OVER 40 YEARS OF EXCELLENCE

**DPW PROJECT 19107  
CSI: ENTRY ACCESS CONTROLS, PHASE II  
COLLEGE OF SOUTHERN IDAHO  
TWIN FALLS, ID**

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
DATE	JULY 2024
SCALE	AS SHOWN
SHEET	

**E 8.2**

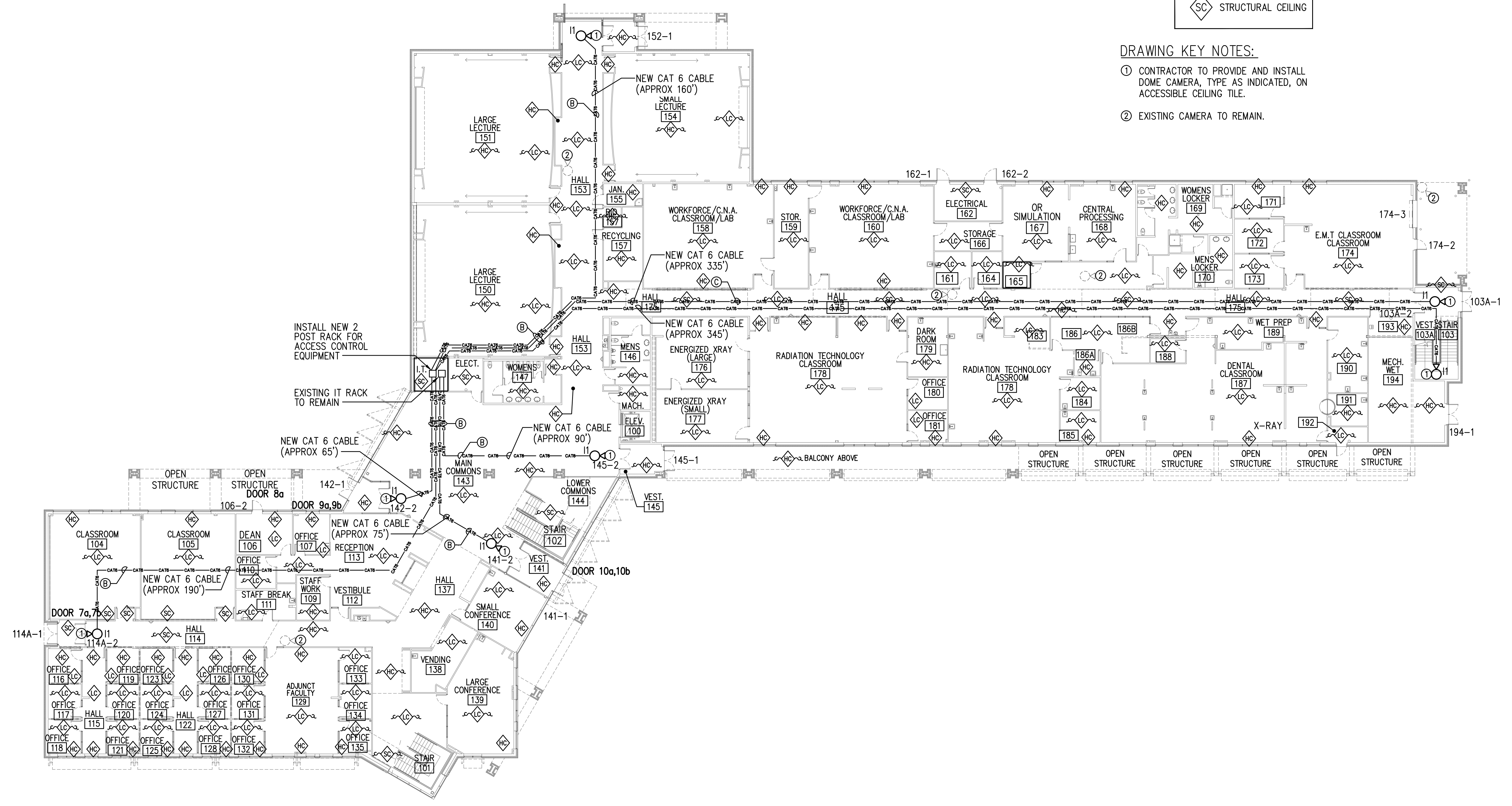
CAMERA SCHEDULE (MINIMUM SPECIFICATIONS)										
SYMBOL	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION	FRAMES PER SECOND	MINIMUM ILLUMINATION	POWER INPUT	HOUSING	OPERATING TEMPERATURE
I1	INTERIOR FIXED DOME	H: 105-36 / V: 57-21	3-9 MM, F1.3	1/62500S - 2S	H.264	30	.07 LUX @ F1.6 (COLOR)	DC 12V	IP52	-50 C TO 60 C

CAMERA CABLE LEGEND	CEILING TYPE LEGEND
CATS — WINDY CITY WIRE 5566080/23-4P (GRAY) OR EQUAL FOR EACH CAMERA	LC LAY-IN CEILING
	HC HARD CEILING
	SC STRUCTURAL CEILING

- SECURITY CAMERA KEY NOTES:**
- Ⓐ SECURITY CAMERA CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS.
  - Ⓑ SECURITY CAMERA CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER
  - Ⓒ ROUTE SECURITY CAMERA CABLING INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS ALONG TOP OF BEAM ACROSS HALLWAY.

- GENERAL NOTES:**
- 1. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

- DRAWING KEY NOTES:**
- ① CONTRACTOR TO PROVIDE AND INSTALL DOME CAMERA, TYPE AS INDICATED, ON ACCESSIBLE CEILING TILE.
  - ② EXISTING CAMERA TO REMAIN.



NO.	REVISIONS	DATE
1		09/11/2024

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 Boise, ID 83706  
 208.384.1055  
 Idaho Permit No. 125402  
 www.musgrove.com

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SHEET	

**HARDWARE GROUP NO. H1:**

FOR USE ON DOOR #(S):

H1a, b	H4a, b	H6a, b	H7a, b	H9a, b	H10a, b
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
2	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS PD10-M-PTS-VD PD10REXKIT-ED - RX KIT PD10LBMKIRT-ED - LX KIT	✓		CAT
2	EA POWER TRANSFER LOOP, BLACK END CAPS	CSI STANDARDIZED PRODUCT SDC SECURITY PT-2	✓	STAIN LESS STEEL	SDC
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC	✓	BLK	SCE
2	EA WIRED DOOR CONTACT	CSI STANDARDIZED PRODUCT ARITECH 1078/107 SERIES PROVIDED BY SECURITY SYSTEM INSTALLER FIELD VERIFY SIZE AND SERIES	✓	WHITE	ARI
2	EA WIRED JAB MOUNT AUTOMATIC OPERATOR ACTUATOR	CSI STANDARDIZED PRODUCT LCN 8310-818T	✓	STAIN LESS STEEL	LCN
1	EA DOUBLE DOOR AUTOMATIC OPERATOR	CSI STANDARDIZED PRODUCT RECORD HA-9 OR 2 - LCN 4040 XP-3049 SCNS	✓	AL	REC

**HARDWARE GROUP NO. H2:**

FOR USE ON DOOR #(S):

H2a	H3a	H5c		
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA WIRELESS DOOR CONTACT AND RECEIVER	INOVNICS EN1210W PROVIDED BY SECURITY SYSTEM INSTALLER.  PROVIDE AND INSTALL INOVNICS EN4204R RECEIVERS AS REQUIRED FOR FUNCTIONAL SYSTEM  CSI STANDARDIZED PRODUCT	✓	WHITE INN

**HARDWARE GROUP NO. H3:**

FOR USE ON DOOR #(S):

H4c				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH.	AD-400-CY-50-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED	✓	626 SCE
1	EA PIM	PIM400-1501	✓	SCE
1	EA WIRED DOOR CONTACT	ARITECH 1078/107 SERIES PROVIDED BY SECURITY SYSTEM INSTALLER FIELD VERIFY SIZE AND SERIES  CSI STANDARDIZED PRODUCT	✓	WHITE ARI

**HARDWARE GROUP NO. H4:**

FOR USE ON DOOR #(S):

H4d				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA WIRED DOOR CONTACT DOOR TRACK MOUNTED	WBOX TECHNOLOGIES OE-DC4811	✓	AL WBX

**HARDWARE GROUP NO. H5:**

FOR USE ON DOOR #(S):

H5a				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA WIRED ELECTRONIC HANDLE SET, CYLINDER LOCK, STOREROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH.	AD-300-CY-70-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ)	✓	626 SCE
1	EA WIRED DOOR CONTACT	ARITECH 1078/107 SERIES PROVIDED BY SECURITY SYSTEM INSTALLER FIELD VERIFY SIZE AND SERIES  CSI STANDARDIZED PRODUCT	✓	WHITE ARI

**HARDWARE GROUP NO. H1:**

FOR USE ON DOOR #(S):

H1a, b	H4a, b	H6a, b	H7a, b	H9a, b	H10a, b
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
2	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS PD10-M-PTS-VD PD10REXKIT-ED - RX KIT PD10LBMKIRT-ED - LX KIT	✓		CAT
2	EA POWER TRANSFER LOOP, BLACK END CAPS	CSI STANDARDIZED PRODUCT SDC SECURITY PT-2	✓	STAIN LESS STEEL	SDC
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC	✓	BLK	SCE
2	EA WIRED DOOR CONTACT	CSI STANDARDIZED PRODUCT ARITECH 1078/107 SERIES PROVIDED BY SECURITY SYSTEM INSTALLER FIELD VERIFY SIZE AND SERIES	✓	WHITE	ARI
2	EA WIRED JAB MOUNT AUTOMATIC OPERATOR ACTUATOR	CSI STANDARDIZED PRODUCT LCN 8310-818T	✓	STAIN LESS STEEL	LCN
1	EA DOUBLE DOOR AUTOMATIC OPERATOR	CSI STANDARDIZED PRODUCT RECORD HA-9 OR 2 - LCN 4040 XP-3049 SCNS	✓	AL	REC

**HARDWARE GROUP NO. H2:**

FOR USE ON DOOR #(S):

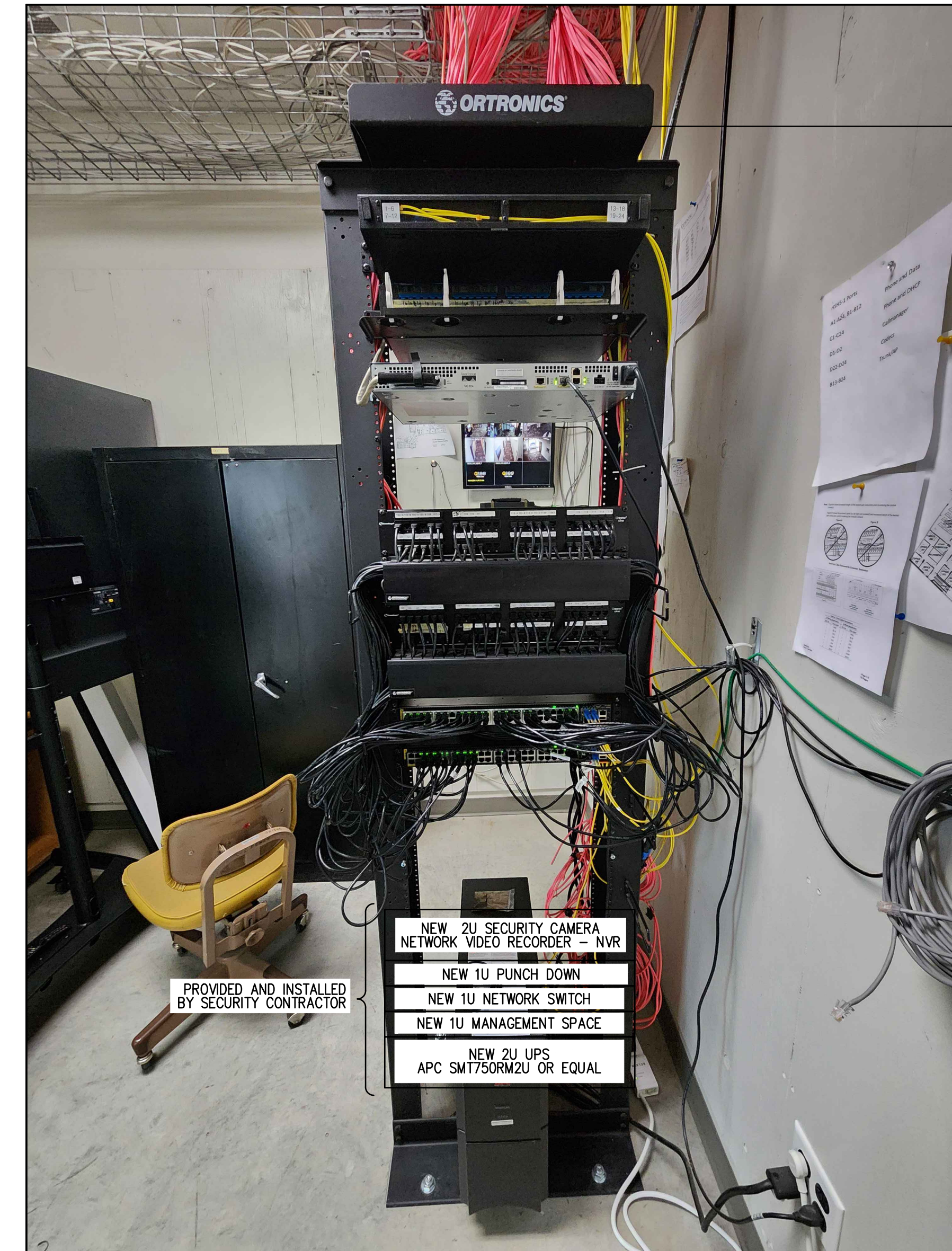
H2a	H3a	H5c		
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA WIRELESS DOOR CONTACT AND RECEIVER	INOVNICS EN1210W PROVIDED BY SECURITY SYSTEM INSTALLER.  PROVIDE AND INSTALL INOVNICS EN4204R RECEIVERS AS REQUIRED FOR FUNCTIONAL SYSTEM  CSI STANDARDIZED PRODUCT	✓	WHITE INN

**DOOR HARDWARE NOTES**

- INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR HARDWARE WALK WITH DOOR HARDWARE DISTRIBUTOR, INSTALLING CONTRACTORS SUPERINTENDENT, CSI PROJECT MANAGER, AND DESIGN PROFESSIONAL PRIOR TO ORDERING DOOR HARDWARE AND INSTALLATION. THE PURPOSE OF THIS DOOR HARDWARE WALK IS TO VERIFY THAT THE DOOR HARDWARE FITMENT IS CORRECT PRIOR TO ORDERING.

**GENERAL NOTES:**

- ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.



IT ROOM 149 DATA RACK

(ALTERNATE #4)

NO.	1	REVISIONS	DATE
ADDENDUM #3			09/11/2024

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2340 W. Valley Road, ID 83705  
208.384.0358  
645 West 25th Street  
Twin Falls, ID 83402  
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DPW PROJECT 19107  
CSI: ENTRY ACCESS CONTROLS, PHASE II  
COLLEGE OF SOUTHERN IDAHO  
TWIN FALLS, ID

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
DATE	JULY 2024
SCALE	AS SHOWN

SHEET

E 8.4



DOOR P2a, P2b, P2c, P2d, P2e (OUTSIDE)

EXISTING ADA DOOR INSTALL RELAY MONITORING DOOR LOCK/UNLOCK STATUS TO DEFEAT ADA BUTTONS WHEN DOORS ARE LOCKED

ROUTE NEW WIRING INSIDE DOOR FRAME TO CEILING CONTROL PANEL

HARD CEILING (PRECAST)

INSTALL NEW DOOR CONTACTS

INSTALL NEW ENERGY TRANSFER HINGE

DOOR P2a, P2b, P2c, P2d, P2e (INSIDE)

EXISTING PANIC HARDWARE 33 SERIES CRASH BARS INSTALL NEW QEL WITH RX AND LX

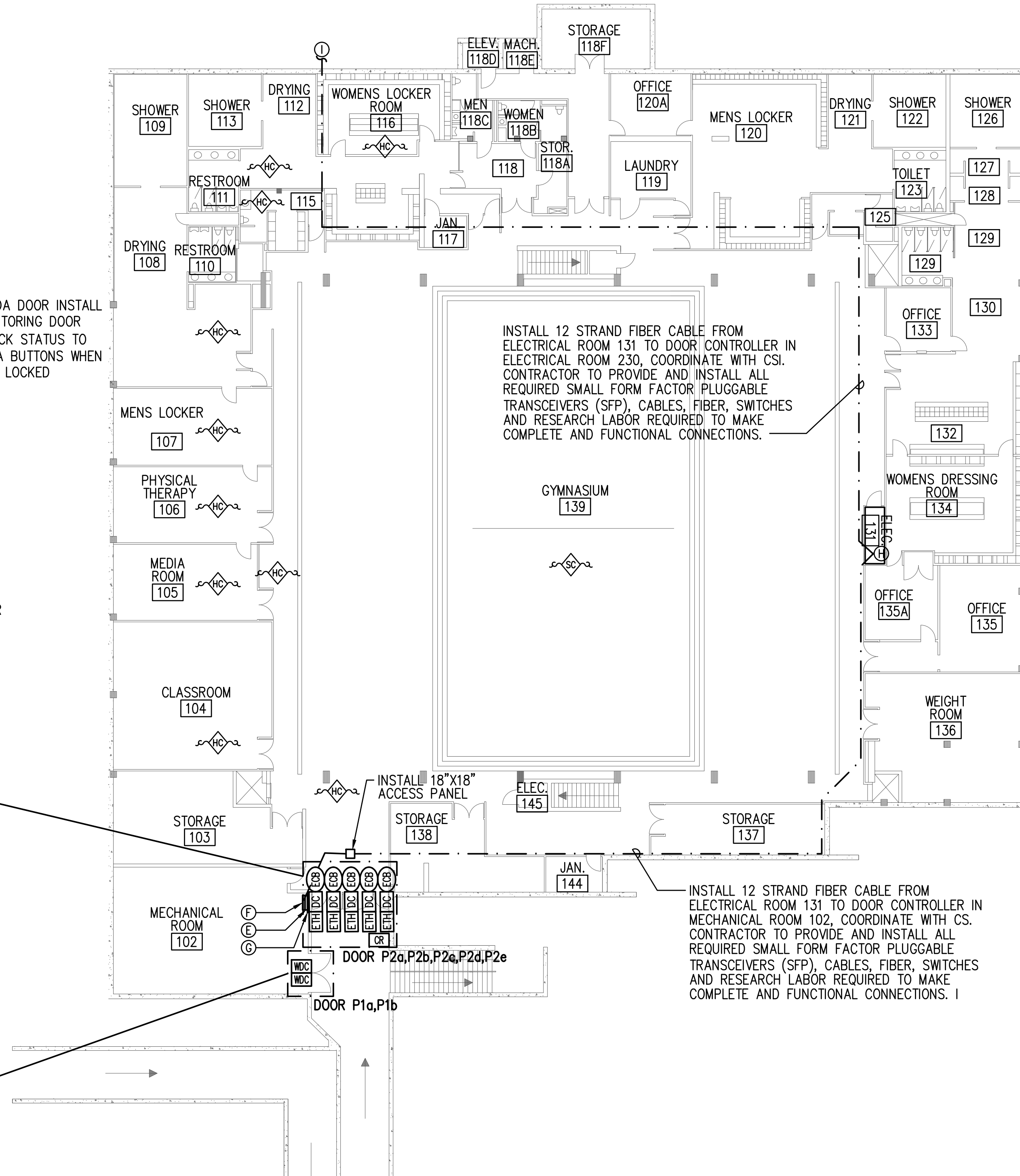
EXISTING PANIC HARDWARE 33 SERIES CRASH BARS INSTALL NEW QEL WITH RX AND LX

INSTALL NEW WIRELESS DOOR CONTACTS

HARD CEILING (PRECAST)



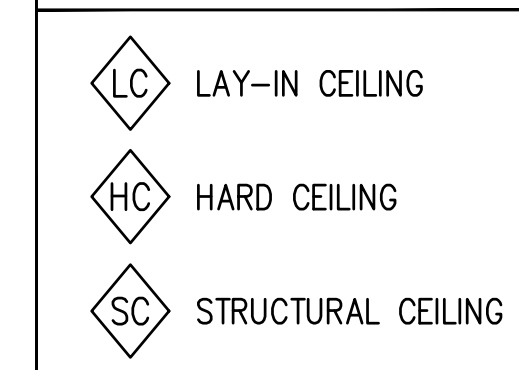
DOOR P1a, P1b (OUTSIDE)



GENERAL NOTES:

- CONTRACTOR SHALL PROVIDE AND COORDINATE WITH CSI AS TO THE TYPE OF FIBER OPTIC CABLE AND TERMINATION FROM WALL MOUNTED FIBER OPTIC CABINET TO ACCESS CONTROL/VMS SWITCH. COORDINATE INSTALLATION WITH CSI IT DEPARTMENT. CONTRACTOR SHALL PROVIDE ALL REQUIRED SMALL FORM FACTOR TRANSCEIVER'S.
- CONTRACTOR MAY CONSIDER USING A DOOR/WINDOW SUBCONTRACTOR TO DISASSEMBLE STORE FRONT WINDOW AND DOORS TO AID IN HIDING ACCESS CONTROL CABLING.
- CONTRACTOR SHALL REPLACE ALL CEILING TILE THAT IS DAMAGED BY CONTRACTOR AS PART OF THIS PROJECT. CEILING SHALL MATCH EXISTING TILE FOR THIS BUILDING. USG 4742 2X, OR USG 8223 2X2.
- ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

CEILING TYPE LEGEND



NEW ACCESS CONTROL KEY NOTES:

- ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY. APPROVAL REQUIRED PRIOR TO INSTALLATION.
- ACCESS CONTROL CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS. PAINT CONDUIT TO MATCH EXISTING WALLS, COORDINATE PAINT TYPE, COLOR AND SHEEN WITH CSI.
- ACCESS CONTROL CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER.
- ROUTE ACCESS CONTROL CABLING FREE AIR ABOVE GYPSUM CEILINGS. INSTALL J-HOOKS 6 FOOT ON CENTER.
- INSTALL MERCURY SECURITY EP1502 WITH MERCURY SECURITY MR161N INTERFACE DOOR CONTROL CARDS IN GANG ENCLOSURE(S) NEAR THIS LOCATION. INSTALL NEW DUPLEX RECEPTACLE INSIDE GANG ENCLOSURE AND CONNECT TO NEAREST 120V CIRCUIT IN ROOM. COORDINATE INSTALLATION WITH ENGINEER.
- INSTALL 4FTx8FT PLYWOOD PAINTED BLACK WITH 3 COATS OF FIRE RETARDANT PAINT TO MOUNT DOOR CONTROL CABINET ON.
- INSTALL NEW 120V DUPLEX OUTLETS COORDINATE FINAL LOCATION WITH CSI.
- CONNECT TO EXISTING 62.5MM FIBER CABINET. CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED SMALL FORM FACTOR PLUGGABLE TRANSCEIVERS (SFP), CABLES, FIBER, SWITCHES, AND FIELD VERIFICATION LABOR REQUIRED TO MAKE COMPLETE AND FUNCTIONAL CONNECTIONS
- TO ELECTRICAL ROOM 230 SEE DRAWING E11.6.

NO.	REVISIONS	DATE
1	APPENDIX #3	24/08/20

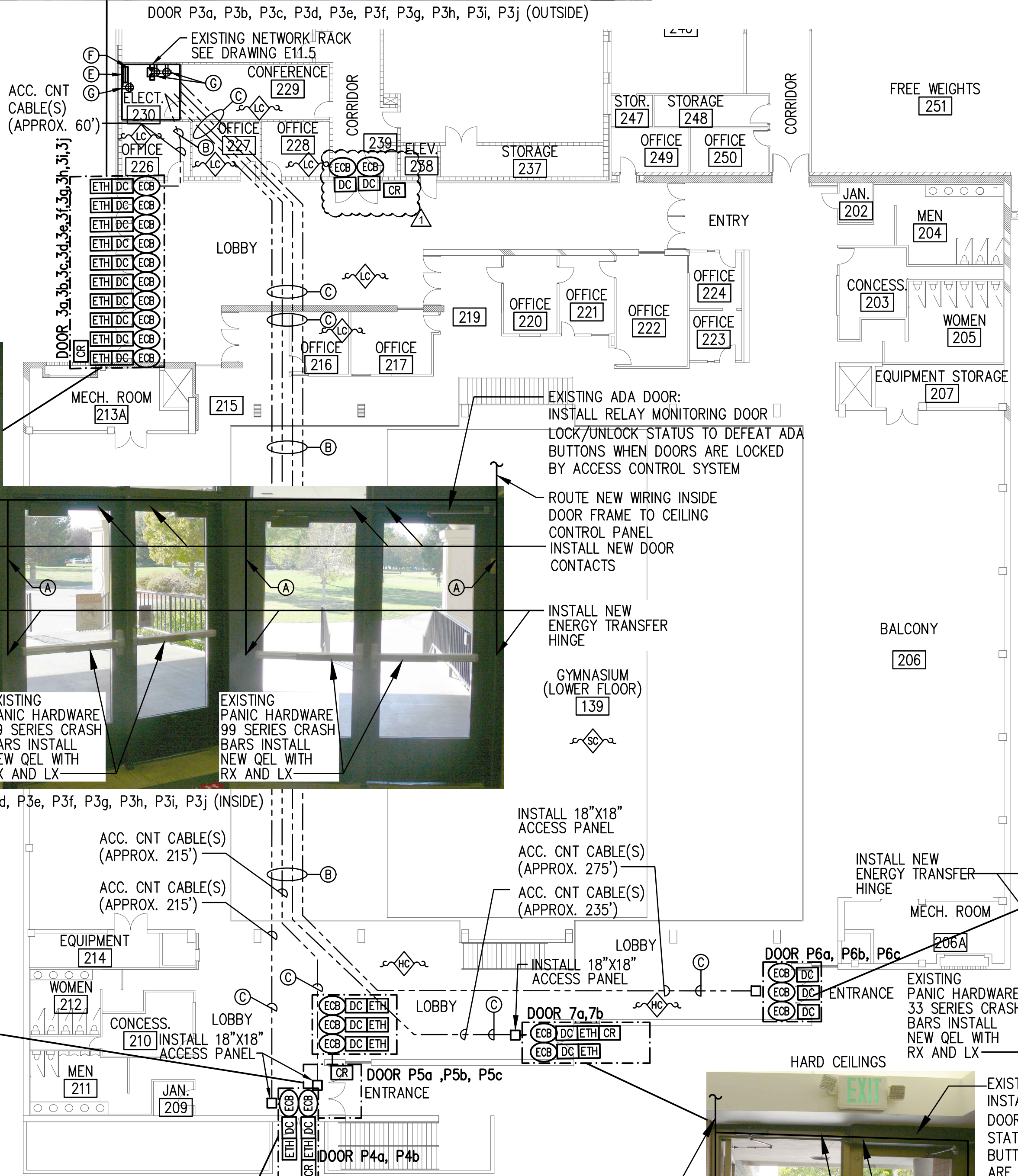
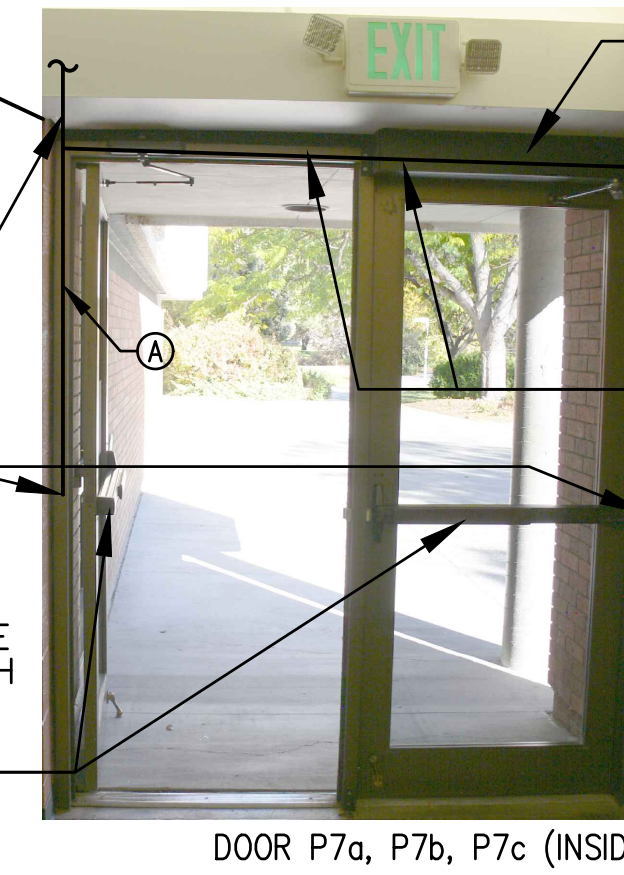
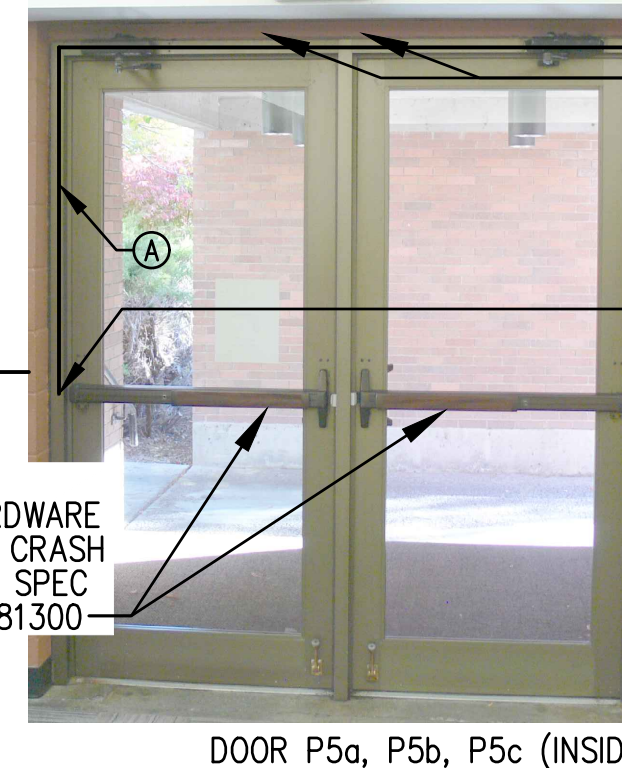
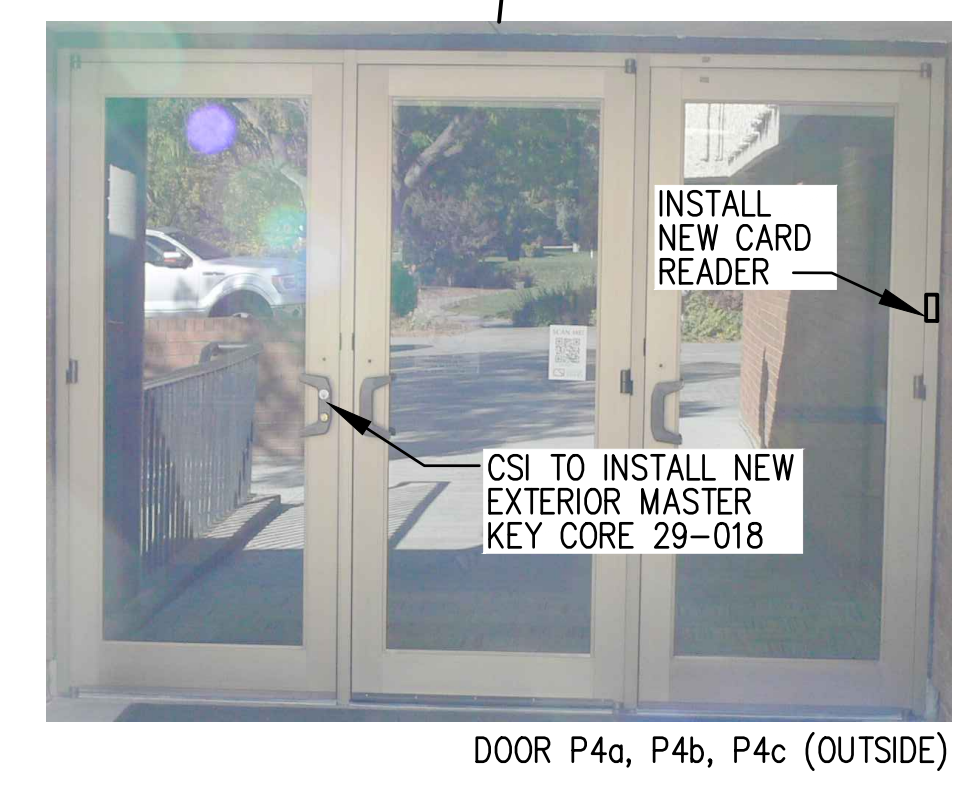
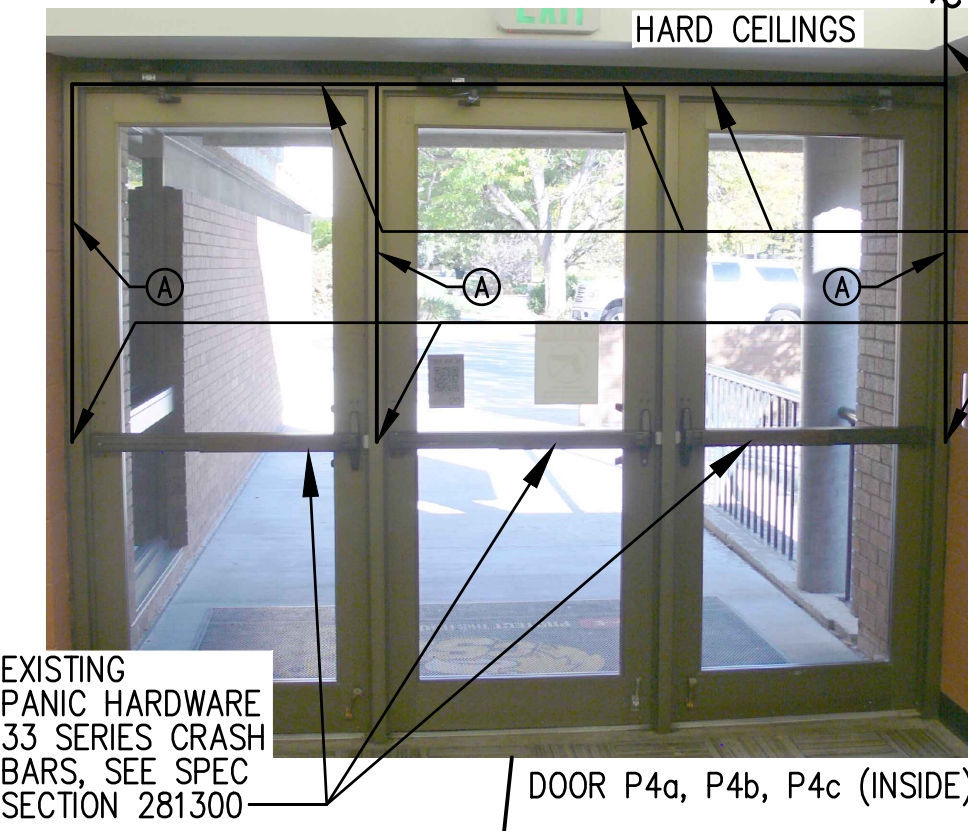
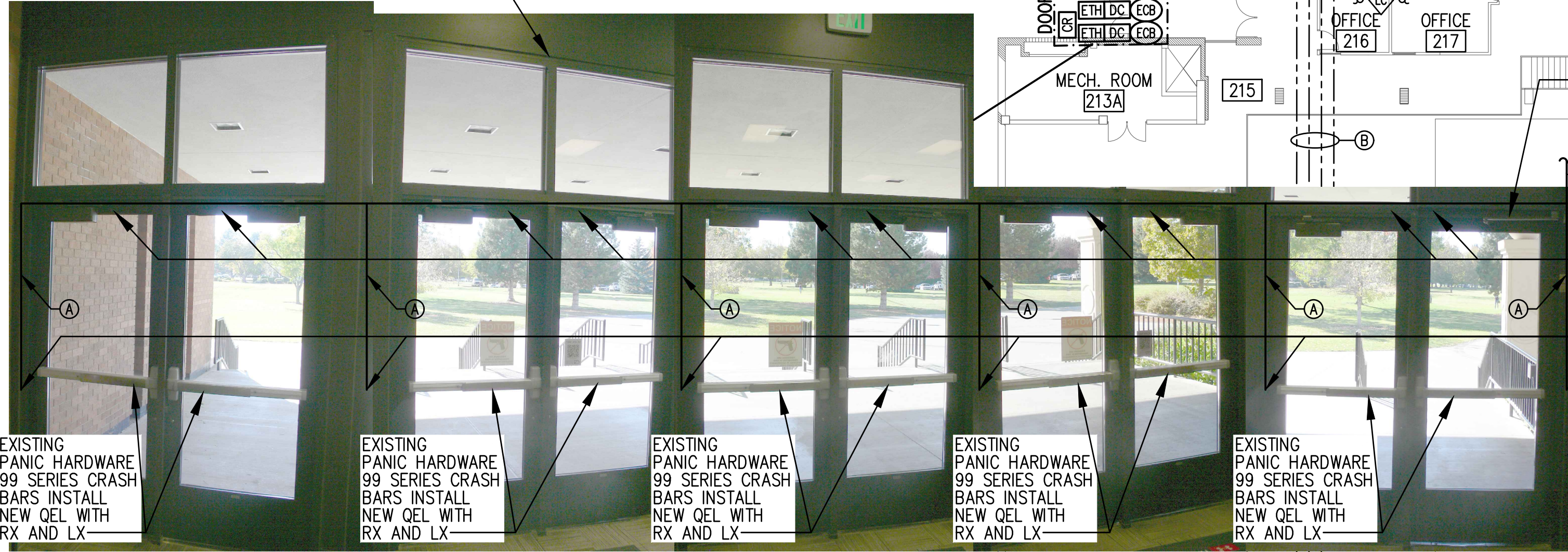
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 234 West 2nd Street  
 Boise, ID 83702  
 208.384.0355  
 Idaho Permit No. 12-25002  
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DPW PROJECT 19107  
 CSI: ENTRY ACCESS CONTROLS, PHASE II  
 COLLEGE OF SOUTHERN IDAHO  
 TWIN FALLS, ID

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
DATE	JULY 2024
SCALE	AS SHOWN
SHEET	

E11.1

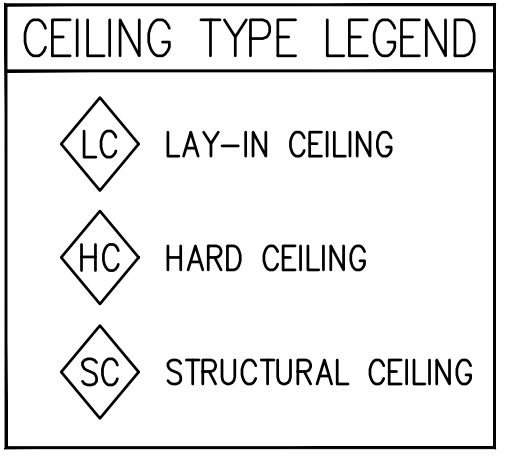
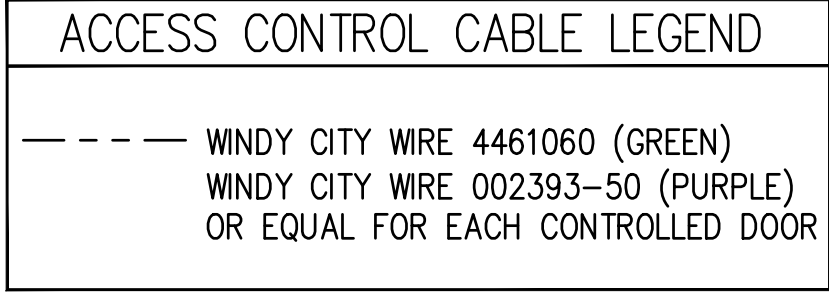


**GENERAL NOTES:**

- CONTRACTOR SHALL PROVIDE AND COORDINATE WITH CSI AS TO THE TYPE OF FIBER OPTIC CABLE AND TERMINATION FROM WALL MOUNTED FIBER OPTIC CABINET TO ACCESS CONTROL/VMS SWITCH. COORDINATE INSTALLATION WITH CSI IT DEPARTMENT. CONTRACTOR SHALL PROVIDE ALL REQUIRED SMALL FORM FACTOR TRANSCEIVER'S (SPF).
- CONTRACTOR MAY CONSIDER USING A DOOR/WINDOW SUBCONTRACTOR TO DISASSEMBLE STORE FRONT WINDOW AND DOORS TO AID IN HIDING ACCESS CONTROL CABLING.
- CONTRACTOR SHALL REPLACE ALL CEILING TILE THAT IS DAMAGED BY CONTRACTOR AS PART OF THIS PROJECT. CEILING SHALL MATCH EXISTING TILE FOR THIS BUILDING. USG 4742 2X, OR USG 8223 2X2.
- CONTRACTOR SHALL PROVIDE ENOUGH POWER AT DOOR POWER SUPPLIES TO ENSURE THAT ALL DOORS CAN OPEN AND CLOSE SIMULTANEOUSLY AT THE SAME TIME.
- ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK, 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

**NEW ACCESS CONTROL KEY NOTES:**

- ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY. APPROVAL REQUIRED PRIOR TO INSTALLATION.
- ACCESS CONTROL CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS. PAINT CONDUIT TO MATCH EXISTING WALLS, COORDINATE PAINT TYPE, COLOR AND SHEEN WITH CSI.
- ACCESS CONTROL CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER.
- ROUTE ACCESS CONTROL CABLING FREE AIR ABOVE GYPSUM CEILINGS. INSTALL J-HOOKS 6 FOOT ON CENTER.
- INSTALL MERCURY SECURITY EP1502 WITH MERCURY SECURITY MR161N INTERFACE DOOR CONTROL CARDS IN GANG ENCLOSURE(S) NEAR THIS LOCATION. INSTALL NEW DUPLEX RECEPTACLE INSIDE GANG ENCLOSURE AND CONNECT TO NEAREST 120V CIRCUIT IN ROOM. COORDINATE INSTALLATION WITH ENGINEER.
- INSTALL 4FTx8FT PLYWOOD PAINTED BLACK WITH 3 COATS OF FIRE RETARDANT PAINT TO MOUNT DOOR CONTROL CABINET ON.
- INSTALL NEW 120V DUPLEX OUTLETS COORDINATE FINAL LOCATION WITH CSI.



NO.	1	ADDENDUM #2
REVISIONS		
DATE	24/08/20	

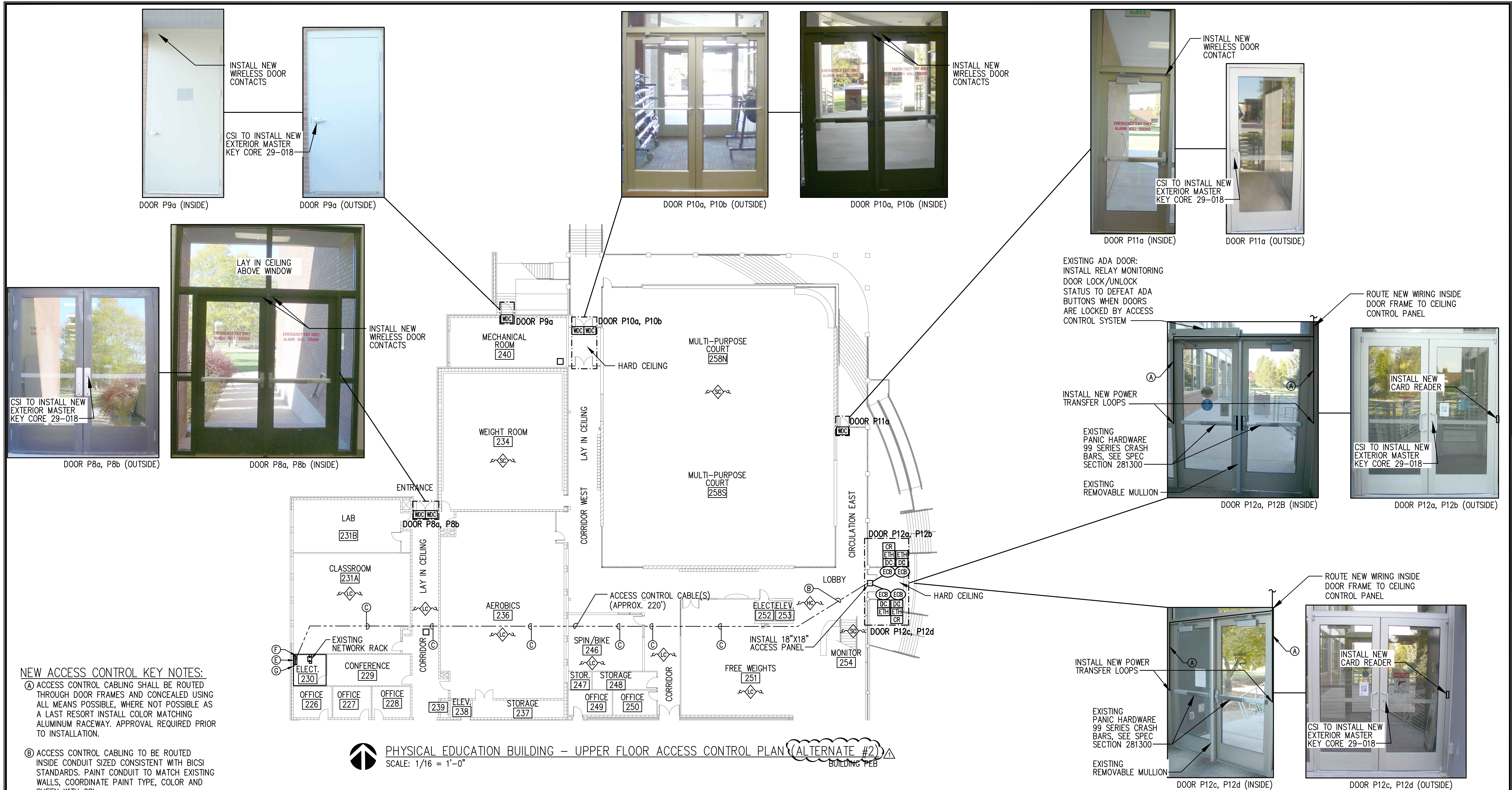
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 TWIN FALLS, ID

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SHEET	

E 11.2



**NEW ACCESS CONTROL KEY NOTES:**

- Ⓐ ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY. APPROVAL REQUIRED PRIOR TO INSTALLATION.
- Ⓑ ACCESS CONTROL CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS. PAINT CONDUIT TO MATCH EXISTING WALLS, COORDINATE PAINT TYPE, COLOR AND SHEEN WITH CSI.
- Ⓒ ACCESS CONTROL CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER.
- Ⓓ ROUTE ACCESS CONTROL CABLING FREE AIR ABOVE GYPSUM CEILINGS. INSTALL J-HOOKS 6 FOOT ON CENTER.
- Ⓔ INSTALL MERCURY SECURITY EP1502 WITH MERCURY SECURITY MR161N INTERFACE DOOR CONTROL CARDS IN GANG ENCLOSURE(S) NEAR THIS LOCATION. INSTALL NEW DUPLEX RECEPTACLE INSIDE GANG ENCLOSURE AND CONNECT TO NEAREST 120V CIRCUIT IN ROOM. COORDINATE INSTALLATION WITH ENGINEER.
- Ⓕ INSTALL 4FTx8FT PLYWOOD PAINTED BLACK WITH 3 COATS OF FIRE RETARDANT PAINT TO MOUNT DOOR CONTROL CABINET ON.
- Ⓖ INSTALL NEW 120V DUPLEX OUTLETS COORDINATE FINAL LOCATION WITH CSI.

**GENERAL NOTES:**

1. CONTRACTOR SHALL PROVIDE AND COORDINATE WITH CSI AS TO THE TYPE OF FIBER OPTIC CABLE AND TERMINATION FROM WALL MOUNTED FIBER OPTIC CABINET TO ACCESS CONTROL/VMS SWITCH. COORDINATE INSTALLATION WITH CSI IT DEPARTMENT. CONTRACTOR SHALL PROVIDE ALL REQUIRED SMALL FORM FACTOR TRANSCEIVER'S.
2. CONTRACTOR MAY CONSIDER USING A DOOR/WINDOW SUBCONTRACTOR TO DISASSEMBLE STORE FRONT WINDOW AND DOORS TO AID IN HIDING ACCESS CONTROL CABLING.
3. CONTRACTOR SHALL REPLACE ALL CEILING TILE THAT IS DAMAGED BY CONTRACTOR AS PART OF THIS PROJECT. CEILING SHALL MATCH EXISTING TILE FOR THIS BUILDING. USG 4742 2X, OR USG 8223 2X2.
4. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.



PHYSICAL EDUCATION BUILDING - UPPER FLOOR ACCESS CONTROL PLAN (ALTERNATE #2)  
SCALE: 1/16" = 1'-0"  
BUILDING PEB

ACCESS CONTROL CABLE LEGEND	
---	WINDY CITY WIRE 4461060 (GREEN)
---	WINDY CITY WIRE 002393-50 (PURPLE)
---	OR EQUAL FOR EACH CONTROLLED DOOR

CEILING TYPE LEGEND	
⬡ LC	LAY-IN CEILING
⬡ HC	HARD CEILING
⬡ SC	STRUCTURAL CEILING

NO.	ADDENDUM #	REVISIONS	DATE
1			24/08/20

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2344 West 24th Street, Suite 100  
Twin Falls, ID 83421  
208.384.0355  
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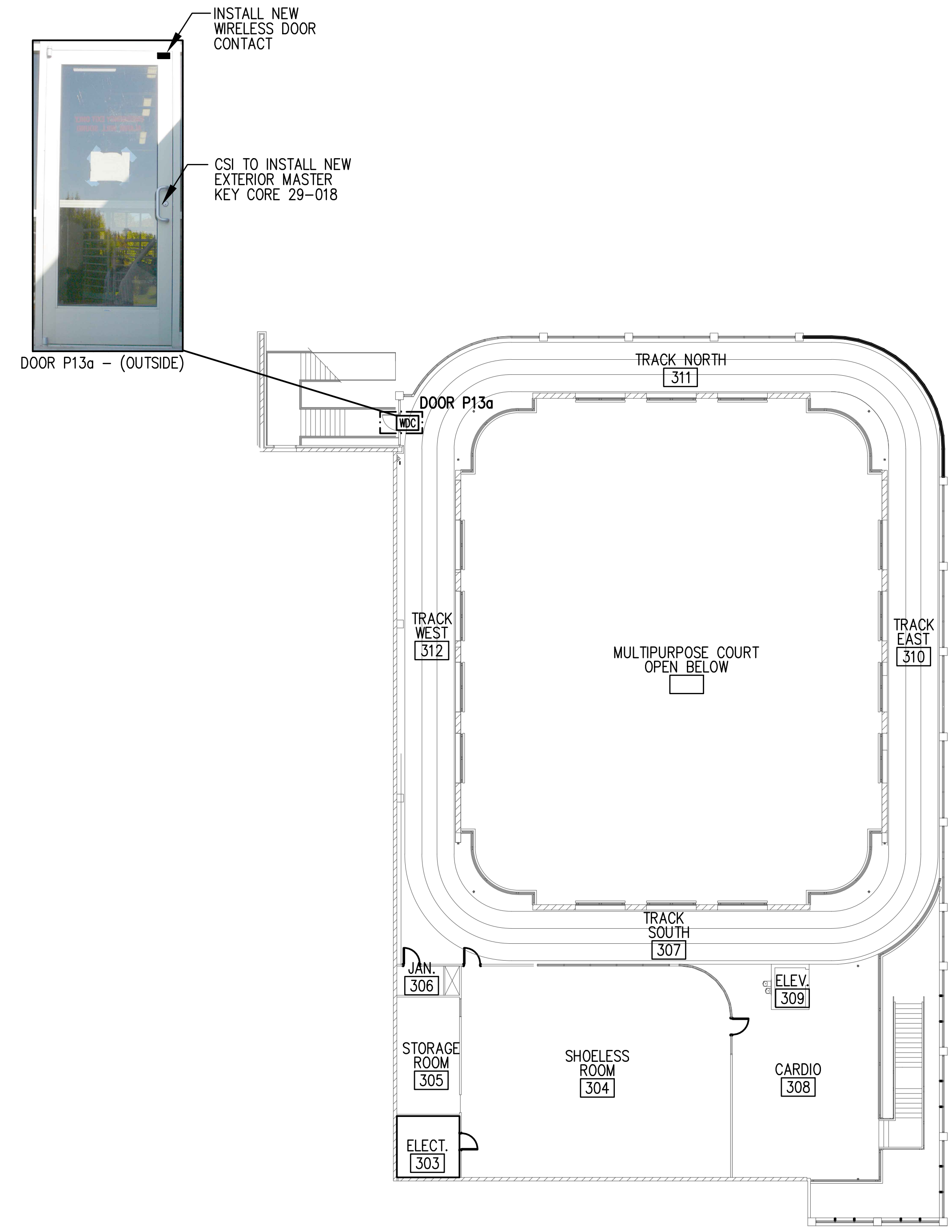
DPW PROJECT 19107  
CSI: ENTRY ACCESS CONTROLS, PHASE II  
COLLEGE OF SOUTHERN IDAHO  
TWIN FALLS, ID

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
DATE	JULY 2024
SCALE	AS SHOWN
SHEET	

E 11.3

GENERAL NOTES:

1. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.



PHYSICAL EDUCATION BUILDING – UPPER FLOOR ACCESS CONTROL PLAN (ALTERNATE #2) SCALE: 1/16" = 1'-0"

NO.	REVISIONS	DATE
1	ADDENDUM #1	24/08/20

MUSGROVE ENGINEERING, P.A.  
 2341 West 24th Street  
 Boise, ID 83705  
 208.384.4088  
 645 West 24th Street  
 Idaho Falls, ID 83402  
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DPW PROJECT 19107  
 CSI: ENTRY ACCESS CONTROLS, PHASE II  
 COLLEGE OF SOUTHERN IDAHO  
 TWIN FALLS, ID

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
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SCALE	AS SHOWN
SHEET	

E 11.4

**HARDWARE GROUP NO. P1:**

FOR USE ON DOOR #(S):

P2a	P11a	P13a			
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
1	EA WIRELESS DOOR CONTACT AND RECEIVER	INOVONICS EN1210W PROVIDED BY SECURITY SYSTEM INSTALLER.  INOVONICS EN4204R RECEIVERS, QUANTITY AS REQUIRED FOR FUNCTIONAL SYSTEM  CSI STANDARDIZED PRODUCT	WHITE	INN	

**HARDWARE GROUP NO. P2:**

FOR USE ON DOOR #(S):

P2a, b	P8a, b	P10a, b			
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
2	EA WIRELESS DOOR CONTACT AND RECEIVER	INOVONICS EN1210W PROVIDED BY SECURITY SYSTEM INSTALLER.  INOVONICS EN4204R RECEIVERS, QUANTITY AS REQUIRED FOR FUNCTIONAL SYSTEM  CSI STANDARDIZED PRODUCT	WHITE	INN	

**HARDWARE GROUP NO. P3:**

FOR USE ON DOOR #(S):

P2a, b, c, d, e					
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
5	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS TECH. MLRK1-VD + VDLMBKIT-ED  CSI STANDARDIZED PRODUCT		CAT	
5	EA ENERGY TRANSFER HINGE, PIVOT TYPE HINGE	COMMAND ACCESS ETH8WH  CSI STANDARDIZED PRODUCT	DARK BRONZE	CAT	
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC  CSI STANDARDIZED PRODUCT	BLACK	SCE	
5	EA WIRED DOOR CONTACT	ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER  CSI STANDARDIZED PRODUCT	WHITE	ARI	

**HARDWARE GROUP NO. P6:**

FOR USE ON DOOR #(S):

P5a, b, c	P8a, b, c				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
3	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS TECH. MLRK1-VD + VDLMBKIT-ED  CSI STANDARDIZED PRODUCT		CAT	
3	EA ENERGY TRANSFER HINGE, PIVOT TYPE HINGE	COMMAND ACCESS ETH8WH  CSI STANDARDIZED PRODUCT	DARK BRONZE	SCE	
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC  CSI STANDARDIZED PRODUCT	BLK	SCE	
3	EA WIRED DOOR CONTACT	ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER  CSI STANDARDIZED PRODUCT	WHITE	ARI	

**HARDWARE GROUP NO. P7:**

FOR USE ON DOOR #(S):

P12a, b	P12c, d				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
2	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	MLRK1-VD + VDLMBKIT-ED  CSI STANDARDIZED PRODUCT		CAT	
2	EA POWER TRANSFER LOOP, BLACK END CAPS	SDC SECURITY PT-2  CSI STANDARDIZED PRODUCT	STAIN LESS STEEL	SDC	
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC  CSI STANDARDIZED PRODUCT	BLK	SCE	
2	EA WIRED DOOR CONTACT	ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER  CSI STANDARDIZED PRODUCT	WHITE	ARI	

**HARDWARE GROUP NO. P4:**

FOR USE ON DOOR #(S):

P3a, b, c, d, e, f, g, h, i, j					
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
10	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS TECH. MLRK1-VD + VDLMBKIT-ED  CSI STANDARDIZED PRODUCT		CAT	
10	EA ENERGY TRANSFER HINGE, 5 KNUCKLE HINGE	COMMAND ACCESS TECH. ETH12WH  CSI STANDARDIZED PRODUCT	MATCH EXIST	SCE	
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC  CSI STANDARDIZED PRODUCT	BLACK	SCE	
10	EA WIRED DOOR CONTACT	ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER  CSI STANDARDIZED PRODUCT	WHITE	ARI	

**HARDWARE GROUP NO. P5:**

FOR USE ON DOOR #(S):

P4a, b	P7a, b				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
2	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS TECH. MLRK1-VD + VDLMBKIT-ED  CSI STANDARDIZED PRODUCT		CAT	
2	EA ENERGY TRANSFER HINGE, PIVOT TYPE HINGE	COMMAND ACCESS ETH8WH  CSI STANDARDIZED PRODUCT	DARK BRONZE	SCE	
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC  CSI STANDARDIZED PRODUCT	BLK	SCE	
2	EA WIRED DOOR CONTACT	ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER  CSI STANDARDIZED PRODUCT	WHITE	ARI	

**HARDWARE GROUP NO. H1:**

FOR USE ON DOOR #(S):

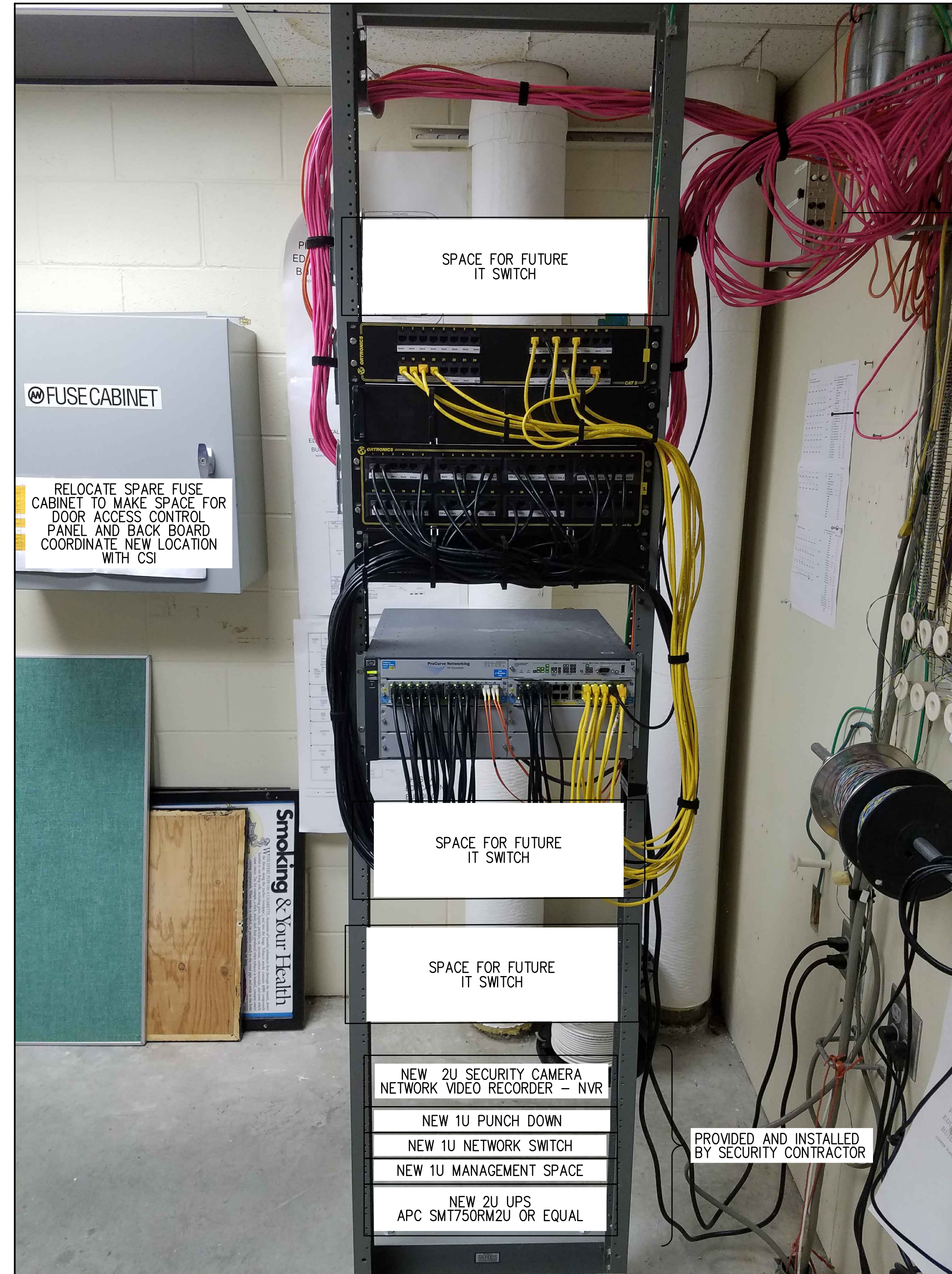
H1a, b	H4a, b	H6a, b	H7a, b	H9a, b	H10a, b
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR	
2	EA ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS PD10-M-PTS-VD PD10REXKIT-ED - RX KIT PD10LBMKIRT-ED - LX KIT  CSI STANDARDIZED PRODUCT		CAT	
2	EA POWER TRANSFER LOOP, BLACK END CAPS	SDC SECURITY PT-2  CSI STANDARDIZED PRODUCT	STAIN LESS STEEL	SDC	
1	EA MULTI-TECH READER	SCHLAGE MT11 12 VDC  CSI STANDARDIZED PRODUCT	BLK	SCE	
2	EA WIRED DOOR CONTACT	ARITECH 1078/107 SERIES PROVIDED BY SECURITY SYSTEM INSTALLER FIELD VERIFY SIZE AND SERIES  CSI STANDARDIZED PRODUCT	WHITE	ARI	

**DOOR HARDWARE NOTES**

- INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR HARDWARE WALK WITH DOOR HARDWARE DISTRIBUTOR, INSTALLING CONTRACTORS SUPERINTENDENT, CSI PROJECT MANAGER, AND DESIGN PROFESSIONAL PRIOR TO ORDERING DOOR HARDWARE AND INSTALLATION. THE PURPOSE OF THIS DOOR HARDWARE WALK IS TO VERIFY THAT THE DOOR HARDWARE FITMENT IS CORRECT PRIOR TO ORDERING.

**GENERAL NOTES:**

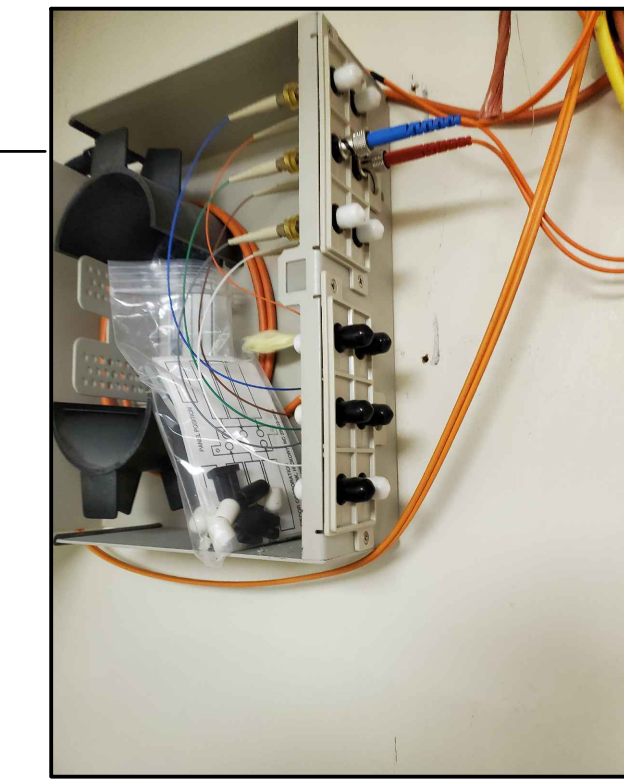
- ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.



ELECTRICAL ROOM 230 DATA RACK

(ALTERNATE #2)

FIBER PATCH PANEL. OPEN FIBER OPTIC CONNECTION AT POSITIONS 1, 2, 5 AND 6 COORDINATE INSTALLATION WITH CSI IT DEPARTMENT. CONTRACTOR SHALL PROVIDE FIBER PATCH CABLE, AND SFP FOR ACCESS CONTROL NETWORK SWITCH. FIELD VERIFY FIBER OPTIC CABLE TYPE AND SFP REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION.



NO.	REVISIONS	DATE
1	ADDENDUM #2	24/08/20

MUSGROVE ENGINEERING, P.A.  
2340 W. 21st Street  
Twin Falls, ID 83403  
208.384.0358  
445 West 21st Street  
Twin Falls, ID 83403  
www.musgrovepa.com

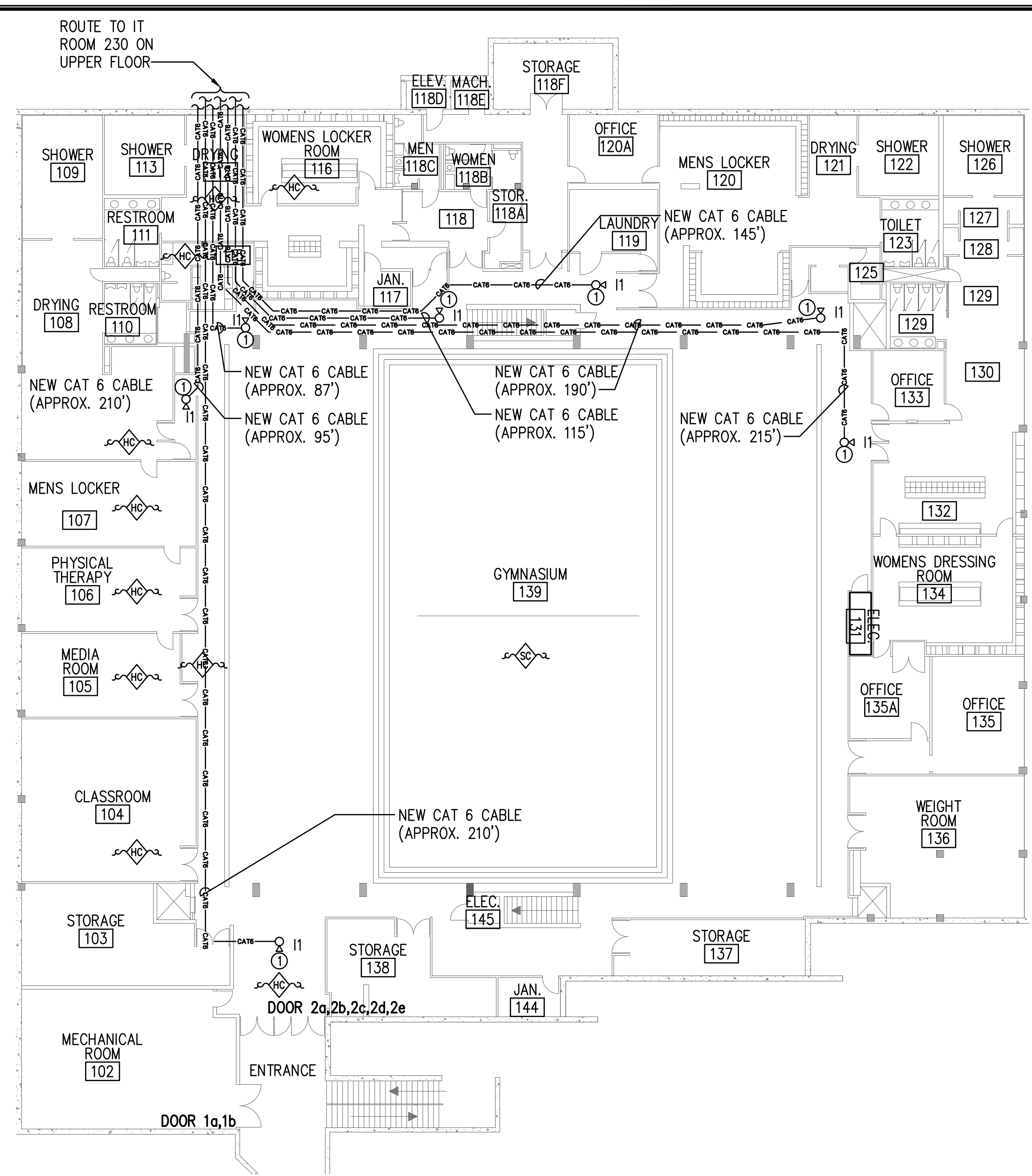
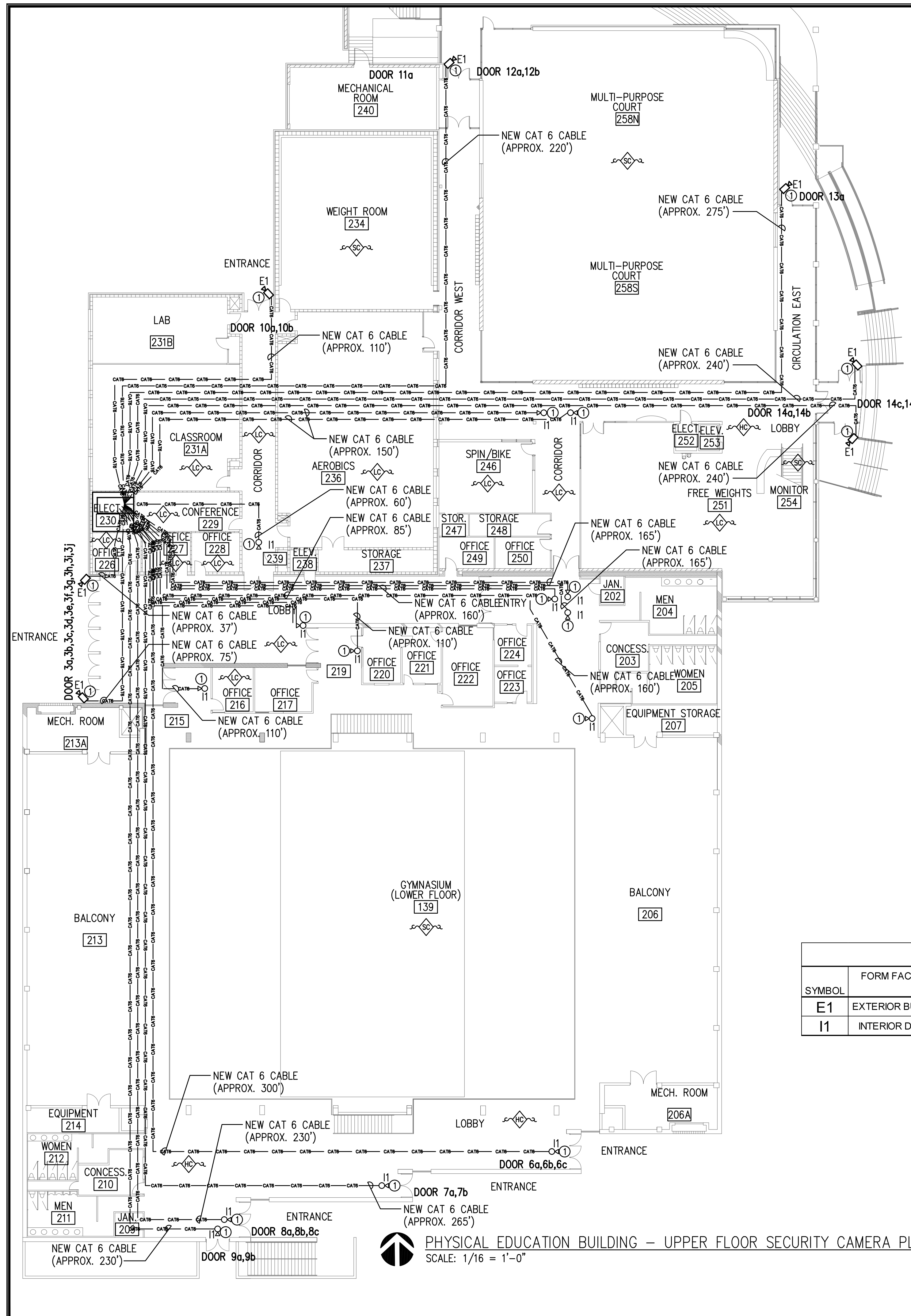
OVER 40 YEARS OF EXCELLENCE

DPW PROJECT 19107  
CSI: ENTRY ACCESS CONTROLS, PHASE II  
COLLEGE OF SOUTHERN IDAHO  
TWIN FALLS, ID

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
DATE	JULY 2024
SCALE	AS SHOWN
SHEET	

E 11.5





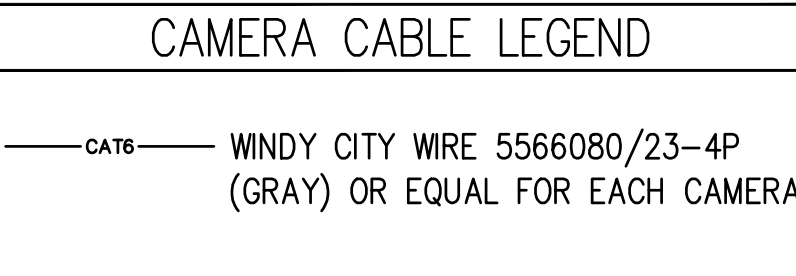
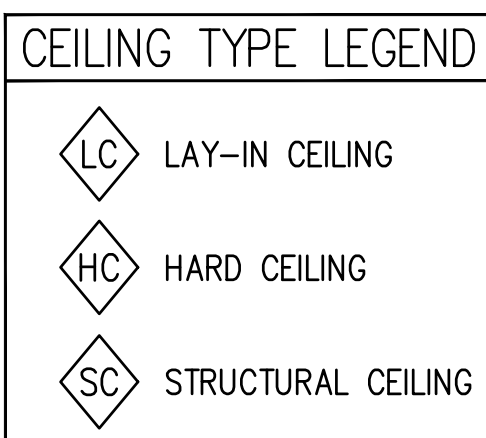
PHYSICAL EDUCATION BUILDING - LOWER FLOOR SECURITY CAMERA PLAN (ALTERNATE #2)  
 SCALE: 1/16" = 1'-0" BUILDING PEB

CAMERA SCHEDULE (MINIMUM SPECIFICATIONS)										
SYMBOL	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION H.264	FRAMES PER SECOND	MINIMUM ILLUMINATION	POWER INPUT DC 12V	HOUSING	OPERATING TEMPERATURE
E1	EXTERIOR BULLET	H: 100-31 / V: 72-23	3.2-10.0MM, MOTORIZED VARIFOCAL	1/12,00S - 1/5S	5MP (2592X1944)	25/30	0.15 LUX @ F1.6 (COLOR)	POE	IP66	-30 C TO 55 C
I1	INTERIOR DOME	H: 100-31 / V: 72-23	3.2-10.0MM, MOTORIZED VARIFOCAL	1/12,00S - 1/5S	5MP (2592X1944)	25/30	0.15 LUX @ F1.6 (COLOR)	POE	INT	-10 C TO 55 C

- NEW CAMERA KEY NOTES:**
- Ⓐ ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE BUT AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY.
  - Ⓑ ACCESS CONTROL AND SECURITY CAMERA CABLING TO BE ROUTED INSIDE CONDUIT. SIZE CONDUITS CONSISTENT WITH BICSI STANDARDS.
  - Ⓒ ACCESS CONTROL AND SECURITY CAMERA CABLING ROUTE FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER

- DRAWING KEY NOTES:**
- ① CONTRACTOR TO PROVIDE AND INSTALL DOME CAMERA, TYPE AS INDICATED, ON ACCESSIBLE CEILING TILE.

- GENERAL NOTES:**
1. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.



PHYSICAL EDUCATION BUILDING - UPPER FLOOR SECURITY CAMERA PLAN (ALTERNATE #2)  
 SCALE: 1/16" = 1'-0" BUILDING PEB

NO.	APPENDIX #3	REVISIONS	DATE
1			24/08/20

**MUSGROVE ENGINEERING, P.A.**  
 2340 West 24th Street  
 Boise, ID 83725  
 208.384.1055  
 Idaho Permit No. 12-25-002  
 www.musgrove.com

**OVER 40 YEARS OF EXCELLENCE**

DPW PROJECT 19107  
 CSI: ENTRY ACCESS CONTROLS, PHASE II  
 COLLEGE OF SOUTHERN IDAHO  
 TWIN FALLS, ID

PROJECT	B18-112
DRAWN	DBH
CHECKED	MNB
DATE	JULY 2024
SCALE	AS SHOWN
SHEET	

E11.6

# **BID PROPOSAL**

**TO:** STATE OF IDAHO  
DIVISION OF PUBLIC WORKS

To Whom it May Concern:

The Bidder, in compliance with your Invitation for Bids for the construction of DPW 19107, CSI: Entry Access Controls, Phase II, College of Southern Idaho (CSI), Twin Falls, Idaho, having examined the bidding and Contract Documents and the site of the proposed Work, and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies and to provide the service and insurance in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents.

Bidder hereby agrees to commence Work under this Contract on a date to be specified in the written "Notice to Proceed" of the Owner and to substantially complete the Project within **one hundred twenty (120)** consecutive calendar days thereafter, as stipulated in the specifications. Bidder further agrees to pay as liquidated damages, the sum of **Four Hundred (\$400)** for each consecutive calendar day after the established substantial completion date or adjusted date as established by change order.

Bidder acknowledges receipt of Addenda No. \_\_\_\_\_.  
(List all Addenda)

**BASE PROPOSAL:** Bidder agrees to perform all the base proposal Work described in the specifications and shown on the plans for the sum of:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)  
*(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)*

Alternate No. 1: Canyon Building

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 2: Physical Education Building

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 3: Fine Arts

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Alternate No. 4: Health Science and Human Services Building

Add the sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding.

The bidder agrees that this bid shall be good for a period of forty-five (45) calendar days after the scheduled opening time for receiving bids.

Upon receipt of written Notice of Intent to Award of this bid, Bidder will execute the formal Contract within ten (10) calendar days and deliver a Surety Bond or Bonds as required by paragraph "Performance and Payment Bonds" first page (ITB-1) of the Instructions to Bidders.

The bid security in the amount of five percent (5%) of the bid amount is to become the property of the Owner, in the event the Contract and bond are not executed within the time set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

The names and addresses of the entities who will perform the Work identified below, subject to approval of Owner and Design Professional, if Undersigned is awarded the Contract, are as follows:

**Electrical (PWCL Category 16000)**

(Name) \_\_\_\_\_

(Address) \_\_\_\_\_

Idaho Public Works Contractors License No. \_\_\_\_\_

Idaho Electrical Contractors License No. \_\_\_\_\_

**FAILURE TO NAME A PROPERLY LICENSED SUBCONTRACTOR IN EACH OF THE ABOVE CATEGORIES WILL RENDER THE BID UNRESPONSIVE AND VOID.**

Should the listing of subcontractors change due to selection of alternates or other similar circumstances, attach explanation.

Bidder warrants that bid has been prepared and that any contract resulting from acceptance of this bid is subject to the Fixed Price Construction Contract.

The undersigned notifies that it is of this date duly licensed as an Idaho Public Works Contractor and further that it possesses Idaho Public Works Contractor's License No. \_\_\_\_\_, and is domiciled in the State of \_\_\_\_\_.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Respectfully submitted by:

\_\_\_\_\_  
Contractor's Name- Typed

Street or PO Address

---

City, State and zip code

---

Authorized Signature

---

Title

---

Telephone Number

---

Email Address

***Have you remembered to include bid security (bid bond or a certified or cashier's check), Contractor's Affidavit Concerning Alcohol and Drug-Free Workplace and a signed copy of the Bidder's Acknowledgment Statement with your bid?***

**EXHIBIT A**

**PROJECT IDENTIFICATION, ADDENDA, CONTRACT AMOUNT, CONTRACT TIME, ACCEPTED ALTERNATIVES, LIQUIDATED DAMAGES, AND SPECIAL CONDITIONS (IF ANY)**

**OWNER'S PROJECT IDENTIFICATION INFORMATION:**

**DPW PROJECT 19107**

CSI: Entry Access Controls, Phase II  
College of Southern Idaho (CSI)  
Twin Falls, Idaho

General Project Description:

A description of the work includes the improvement of the security and safety in the Canyon Building, Fine Arts Building, Physical Education Building, and Human Services and Health Sciences Building by converting all main keyed entry points to a keyless system and adding security cameras to building.

**ADDENDA:** Addenda applicable to the Contract and made a part of are as follows:

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_  
Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

**FIXED PRICE CONTRACT AMOUNT AND ACCEPTED ALTERNATES:**

Base Bid Amount:

Alternate No. 1: Canyon Building	(_____)	add	\$ .00
Alternate No. 2: Physical Education Building	(_____)	add	\$ .00
Alternate No. 3: Fine Arts	(_____)	add	\$ .00
Alternate No. 4: Health Science and Human Services Building	(_____)	add	\$ .00

**Total Fixed Price Contract Amount**

(\_\_\_\_\_ ) Dollars **\$ .00**

Contractor's Requests for Payment are to be submitted for Work accomplished through the \_\_\_\_ day of each month as described in Paragraph 7.3.

**TIME FOR PERFORMANCE AND LIQUIDATED DAMAGES:**

A. The Contractor shall commence construction of its scope of the Work in accordance with the Notice to Proceed issued by the Owner, and which will become Exhibit F to this Contract.

B. The Contractor shall accomplish Substantial Completion as defined in Article 6 of the Contract within One hundred twenty (120) consecutive calendar days from the date authorized to proceed in the Notice to Proceed

C. The amount of liquidated damages per day for each and every day of unexcused delay as outlined in Article 6 on the Contract is: Four hundred Dollars (\$400)

**DRAWINGS AND SPECIFICATIONS:**

The Owner shall furnish the Contractor 3 sets of Drawings and Project Manuals.

**SPECIAL CONDITIONS:**

A. In Article 23 and all Paragraphs only, all references to “Owner” shall mean College of Southern Idaho.

## SECTION 012300 - ALTERNATES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

#### 1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
  - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

#### 1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

### PART 2 - PRODUCTS (NOT USED)

### PART 3 - EXECUTION

#### 3.1 SCHEDULE OF ALTERNATES

- A. Base Bid: Canyon Building Convert all main keyed entry points to a keyless system and add security cameras.
- B. Alternate No. 1: Physical Education Building convert all main keyed entry points to a keyless system and add security cameras system and add security cameras
- C. Alternate No. 2: Fine Arts Building convert all main keyed entry points to a keyless

- system and add security cameras system and add security cameras. .
- D. Alternate No. 3: Key shop Building convert all main keyed entry points to a keyless system and add security cameras system and add security cameras
  - E. Alternate No. 4: Health Science and Human Service Building convert all main keyed entry points to a keyless system and add security cameras.

END OF SECTION 012300