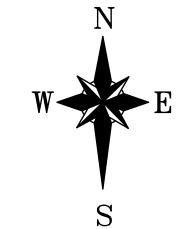
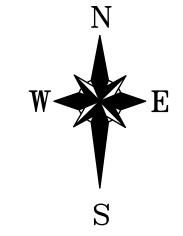
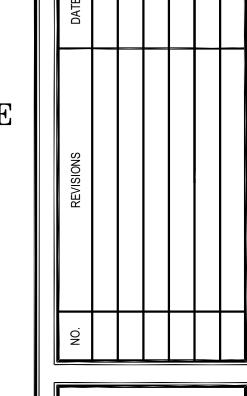
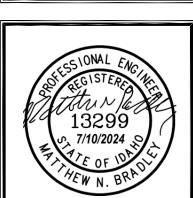
DPW PROJECT 19107 CSI: ENTRY ACCESS CONTROLS PHASE 2 COLLEGE OF SOUTHERN IDAHO TWIN HALLS, ID

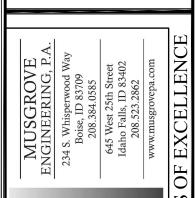




(ALTERNATE #1)











Fiber optic wiring to comply with NEC 770.

Fire penetrations thru walls, floors or ceilings per NEC 300.21

IDAHO ENERGY CONSERVATION COED - 2018 OF IDAHO

Plan Review Note These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially code compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

LIST OF DRAWINGS

T1.0 ELECTRICAL TITLE SHEET

ACCESS CONTROL PLAN ACCESS CONTROL PLAN IT ROOM 122F DATA RACK

T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

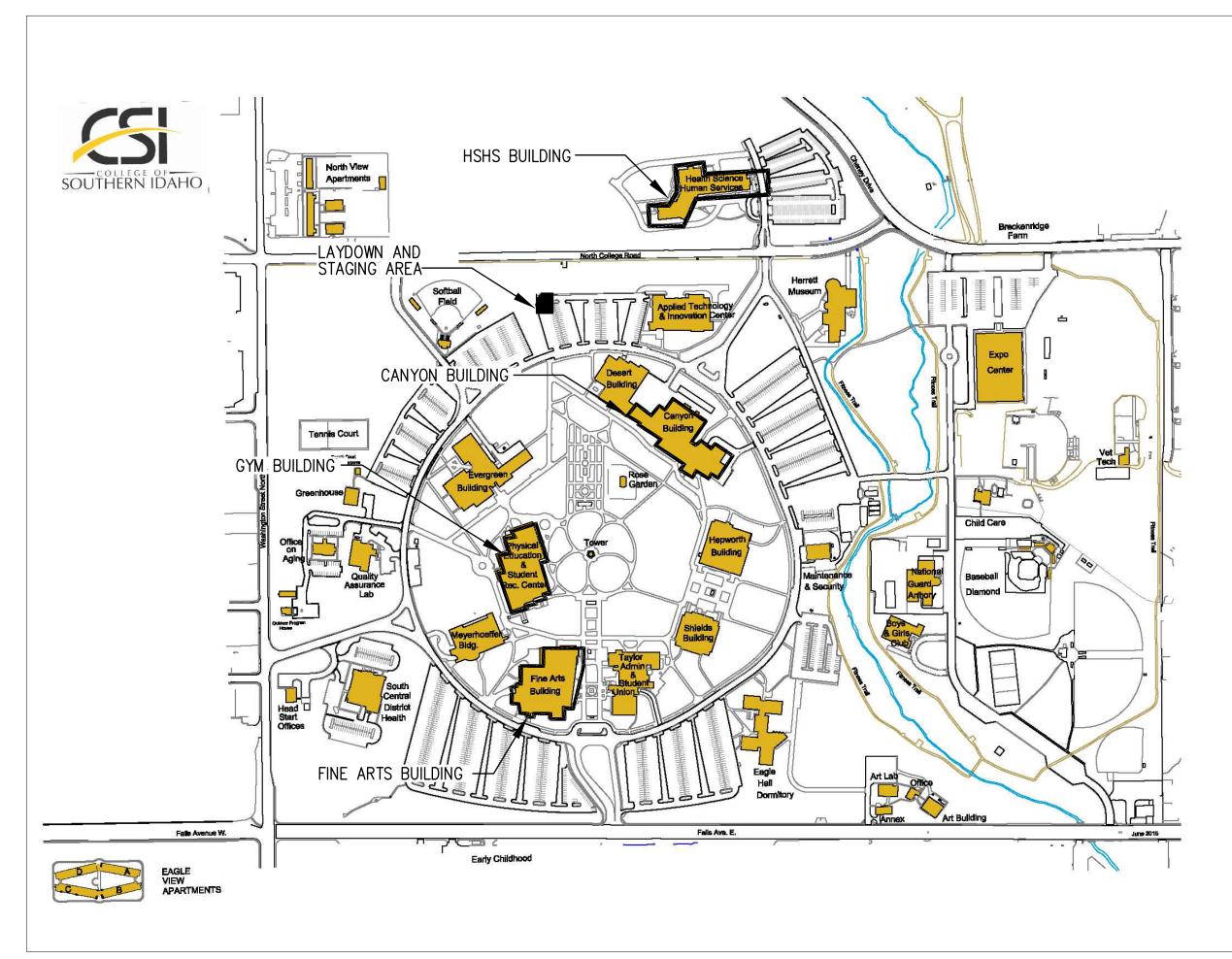
Construction Safeguards
Construction safeguards shall be required for any and all demolition and or construction to ensure public safety.

Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or addition to any building or structure.

All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being

Sprinkler Note

In tenant renovations and remodels, the installation, deletion, or movement of a walls may affect the sprinkler performance. A sprinkler evaluation by a licensed sprinkler contractor should be made to ensure that any modification to the sprinkler system is warranted. Any alteration deletions or additions to the system shall be by a licensed sprinkler contractor and be approved by the Fire Marshal through plan review and inspection.



COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

CHALLIS DUBOIS OREGON REXBURG CALDWELL SUN VALLEY BELLEVUE IDAHO FALLS BLACKFOOT MOUNTAIN GOODING POCATELLO **RUPERT** BURLEY TWIN FALL OAKLEY IDAHO JACKPOT \ UTAH NEVADA - PROJECT LOCATION LOCATION MAP

LEGEND

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:

SCALE: NTS

- 1. ALL BUILDINGS ON CSI CAMPUS ARE TO REMAIN 100% OWNER OCCUPIED. BUILDING EXITING AND SECURITY SHALL BE MAINTAINED DURING CONSTRUCTION.
- 2. 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.

It is the responsibility of the design professional, contractor, and or builder to notify the building department of any alteration, addition, or removal of any building component, that is not in the scope of this approved plan and permit, whether structural, or not, as a modification of plans, for review and inspection.

Any penetrations, whether a membrane penetration or through penetration of any horizontal assemblies, smoke assemblies, fire-resistance-rated wall assemblies, and fire-resistance-rated floor, and or ceiling assemblies must be protected and inspected if

The provisions of chapter 7, of the 2018 IBC shall govern the materials and methods of construction used to protect duct penetrations, through penetrations and membrane penetrations of rated assemblies. A building permit for the inspection of such alterations, penetrations and protections shall be made, and building inspections called for approval.

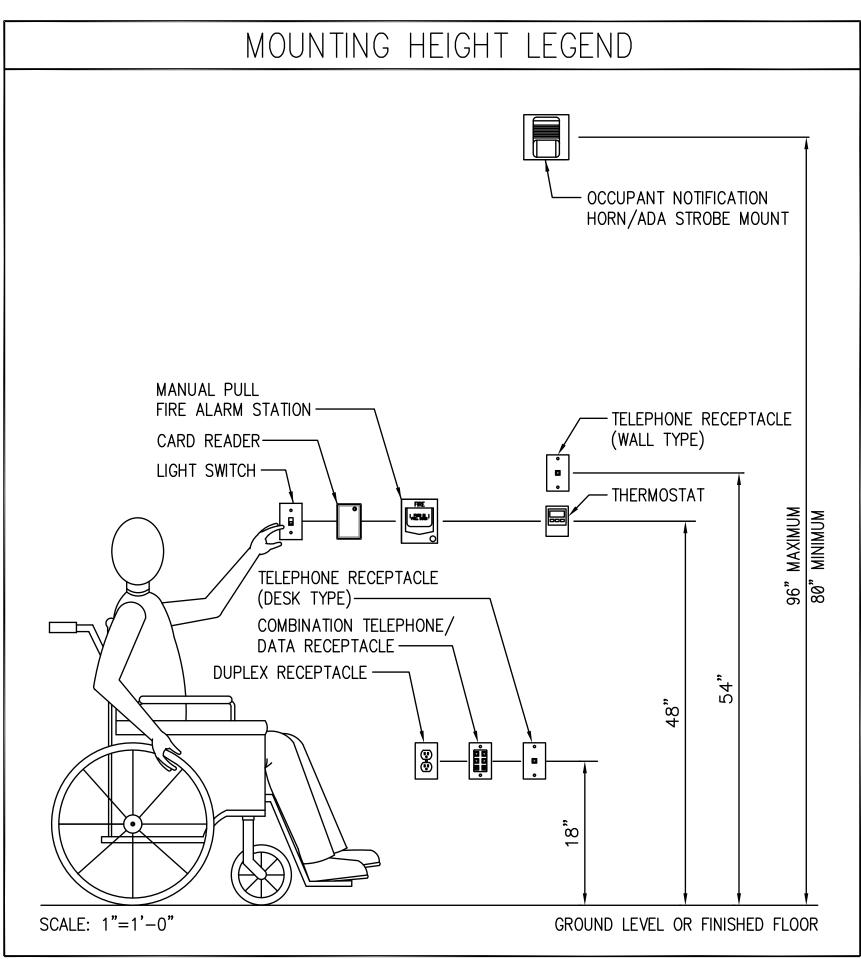
CONSTRUCTION APPROVAL E	BY RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY
IDAHO CODE 67-5710)	
nal Plans & Specs have been Reviewed for: 019107 CSI: Entry Access Controls, Phases I and 2	DPW Project No. 2019107
authorized, and authorize the [equired program elements within the funding limitations Division of Public Works to proceed with bidding of the project. If will approve awarding a contract and construction of the e plans and specifications.
geno: Si	Agency Signature Authority. Jeff Hormon
Approved Approved	
Name or Role	
Name or Role 1. Agency - Signature Authority	Approved
1. X Agency - Signature Authority	

古 I: ENTRY ACCESS CONTROLS
COLLEGE OF SOUTHERN ID
TWIN FALLS, ID <u>S</u>

B18-112 CHECKED MNB JULY 2024 AS SHOWN

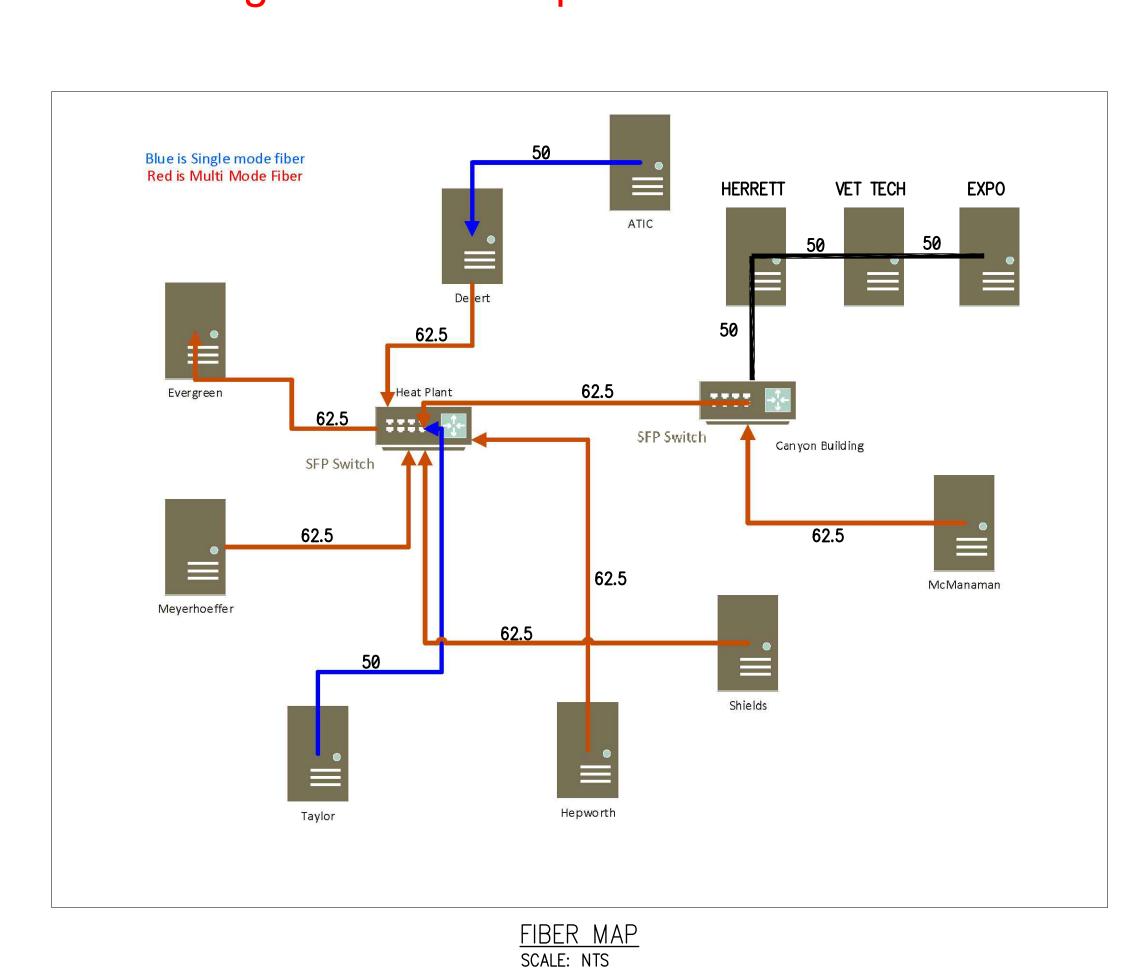
T1.0





MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS

All reach ranges shall be as per the 2009 ANSI A117.1.



ABBREVIATIONS

A AL AIC AWG	AMPERE(S) ALUMINUM AMPERE INTERRUPTING CAPACITY AMERICAN WIRE GAUGE	
BC	BARE COPPER	
C	CONDUIT	<
CB	CIRCUIT BREAKER	
CKT	CIRCUIT	
CT	CURRENT TRANSFORMER	<
CU	COPPER	
DISC	DISCONNECT	
DWG EMT	DRAWING ELECTRICAL METALLIC TUBING	
HZ	FREQUENCY IN CYCLES PER SECOND	
F	FUSE	
r FS	FUSIBLE SWITCH	
GEN	GENERATOR	4
GFI	GROUND FAULT INTERRUPTER	<u> </u>
GND	GROUND	
HP	HORSEPOWER	
HPS	HIGH PRESSURE SODIUM	
IMC	INTERMEDIATE METALLIC CONDUIT	
INC	INCANDESCENT	
KV	KILOVOLT	l
1/1/4	IZU OWATT VOLT AMBO	

KV KILOVOLT
KVA KILOWATT VOLT AMPS
KW KILOWATT(S)
KCMIL THOUSAND CIRCULAR MIL(S)
LX LATCH BOLT MONITORING
MCA MINIMUM CIRCUIT AMPS
MCC MOTOR CONTROL CENTER
MLO MAIN LUG ONLY
NC NORMALLY CLOSED

MLO MAIN LUG ONLY
NC NORMALLY CLOSED
NO NORMALLY OPEN
NEC NATIONAL ELECTRIC CODE
NIC NOT IN CONTRACT
NTS NOT TO SCALE
PNL PANEL
PVC POLYVINYL CHLORIDE
QEL MOTORIZED PUSH PAD HARDWARE

RGS RIGID GALVANIZED STEEL
RX REQUEST TO EXIT
SWBD SWITCHBOARD
XMFR TRANSFORMER
TYP TYPICAL
UG UNDERGROUND
UNO UNLESS NOTED OTHERWISE
UPS UNINTERRUPTED POWER SYSTEM

V VOLT(S)
VA VOLTAMP(S)
W WATT(S)
WP WEATHER PROOF

DATA/COMMUNICATIONS LEGEND

DATA JACK, +18" UNLESS NOTED OTHERWISE

INDICATES QUANTITY OF STRUCTURED CABLES
TERMINATING ON RJ45 JACK(S) AT FACEPLATE.

DATA/COMM QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE.

COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE

INDICATES QUANTITY OF STRUCTURED CABLES
TERMINATING ON RJ45 JACK(S) AT FACEPLATE.

ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE (ROUGH IN ONLY, NO CABLES)

— W — SURFACE RACEWAY

Φ© DATA/COMM/POWER FLOOR BOX

19" 4 POST NETWORK RACK
19" 2 POST NETWORK RACK

] WALL MOUNTED NETWORK RACK

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

SECURITY LEGEND

C — CEILING MOUNT
W — WALL MOUNT
WP — WEATHERPROOF

DOME CAMERA
1 GRAY CAT6 CABLE

c - CEILING MOUNT
w - WALL MOUNT

WP — WEATHERPROOF
PANORAMIC CAMERA
1 GRAY CAT6 CABLE

C — CEILING MOUNT

CARD READER

ESS ELECTRIC STRIKE - SURFACE

ESR ELECTRIC STRIKE - RECESSED IN FRAME

ECB ELECTRIC CRASH BAR
DC DOOR CONTACT

ETH ENERGY TRANSFER HINGE

EPT ENERGY POWER TRANSFER

WDC WIRELESS DOOR CONTACT

MRX MOTION SENSOR REQUEST TO EXIT

REQUEST TO EXIT

PANIC BUTTON

HS WIRELESS HANDLE SET

HS HANDLE SET
PS POWER SUPPLY

ADA ADA ACTUATOR BUTTON

ADO AUTOMATIC DOOR OPENER

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

CONTACTOR IRRIGATION CONTROL PANEL IC DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED FUSED DISCONNECT SWITCH XP-XA-X XA FUSES POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED THERMOSTAT, AT +48 INCHES \bigcirc INDICATES FAN (FRACTIONAL HORSEPOWER) INDICATES MOTOR SIZE (IN HORSEPOWER) JUNCTION BOX RECESSED AUDIO SPEAKER VOLUME CONTROL, AT +48 INCHES ELECTRICAL PANEL

POWER LEGEND

MANUAL MOTOR STARTER SWITCH

TIMECLOCK

DOUBLE DUPLEX RECEPTACLE AT +18 INCHES
UNLESS NOTED OTHERWISE

GFI GROUND FAULT INTERRUPTER
C MOUNTED ON CEILING
SPD SURGE SUPPRESSION

WP SPD SURGE SUPPRESSION
WP IN-USE WEATHERPROOF RATED COVER WITH
WEATHER RESISTANT GFI RECEPTACLE

DUPLEX RECEPTACLE AT +18 INCHES

GFI GROUND FAULT INTERRUPTER

WP IN-USE WEATHERPROOF RATED COVER WITH

WEATHER RESISTANT GFI RECEPTACLE

MOUNTED ON CEILING

DATA/COMM/POWER FLOOR BOX

RECESSED ENTERTAINMENT BOX

SURFACE RACEWAY

UNLESS NOTED OTHERWISE

SPD SURGE SUPPRESSION

-w-

 $\Rightarrow^{\mathsf{C}}_{\mathsf{SPD}}$

CR CARD READER BOX

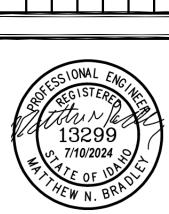
TV TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION

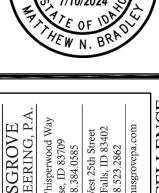
Ø 30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

50A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

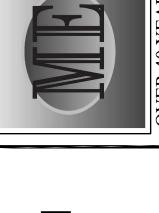
NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

NO. REVISIONS DATE









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

ROJECT B18-112

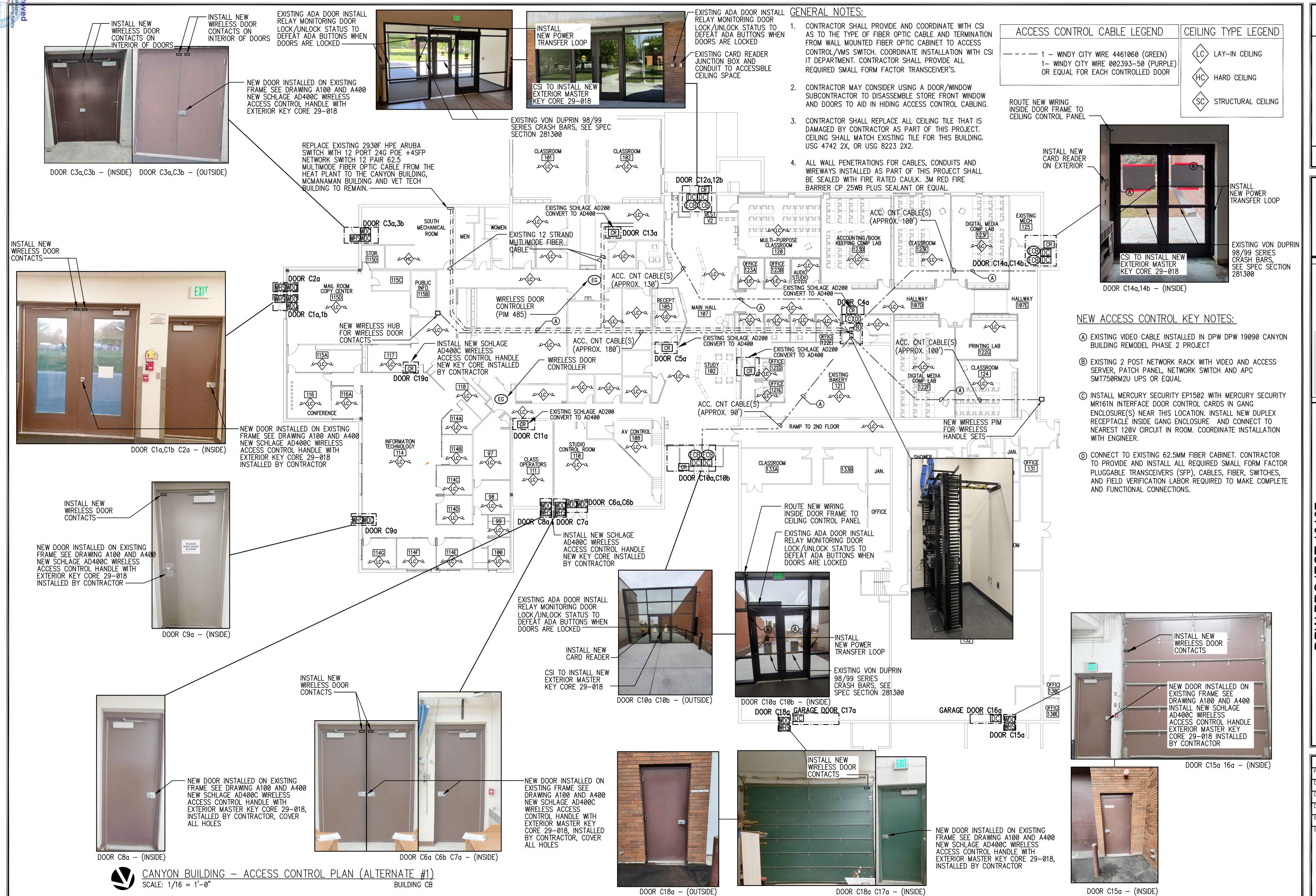
RAWN DBH

CHECKED MNB

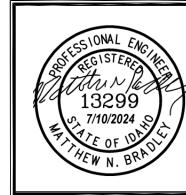
PATE JULY 2024

CALE AS SHOWN

T1.1



NO. REVISIONS DATE







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

PROJECT B18-112

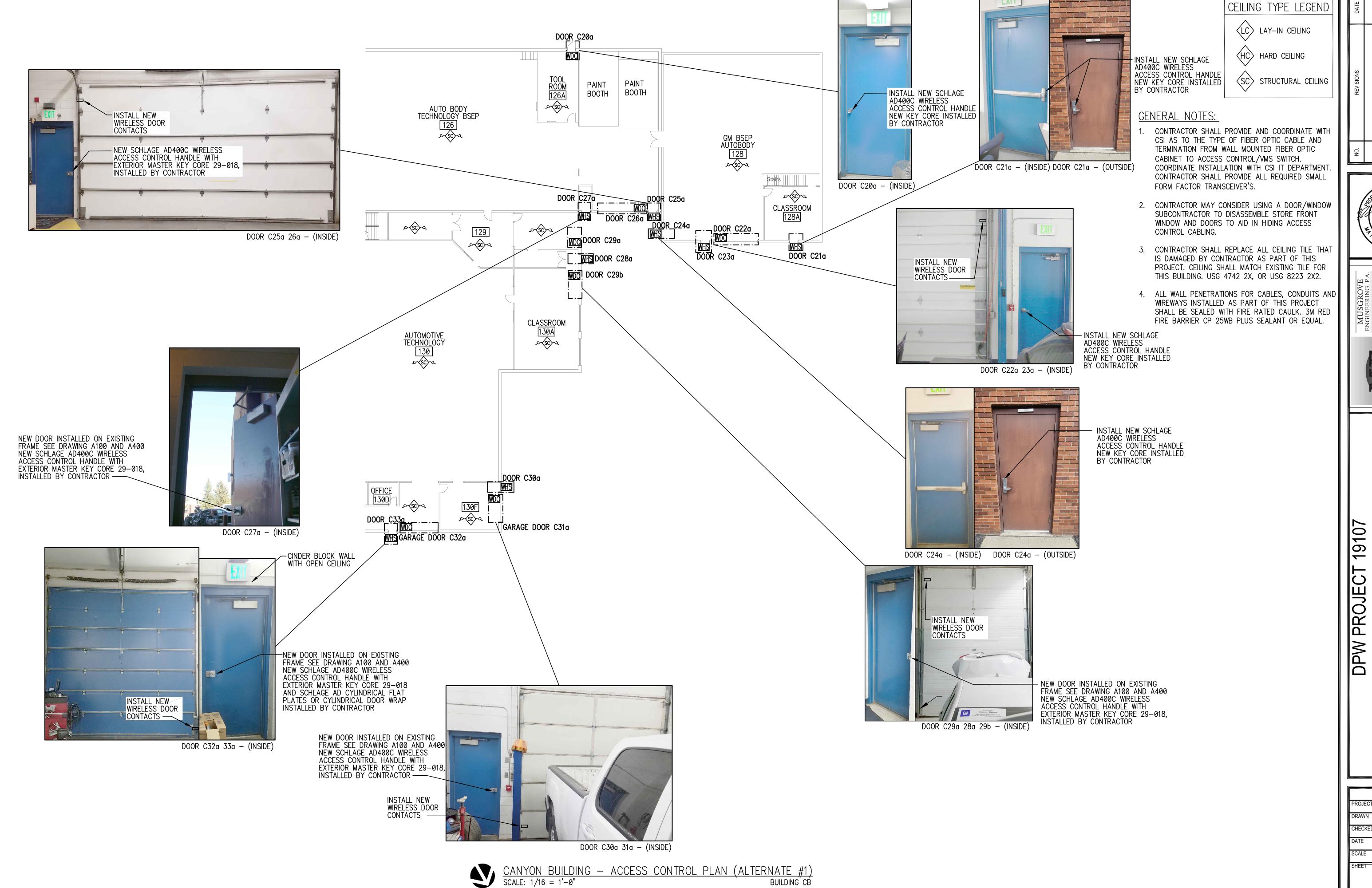
DRAWN DBH

CHECKED MNB

DATE JULY 2024

SCALE AS SHOWN

E2.1



NO. REVISIONS DATE



MUSGROVE
ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, ID 83709
208.384.0585
645 West 25th Street
Idaho Falls, ID 83402
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

E2.2



HARDWARE GROUP NO. C1:

C1b	1b C20a C21a		C21a		C23a		C24a			C25a	
C27a		C28a	C30a		C30a						
QTY		DESCRIPTION		CATALO	OG NUMBER				FINI	ISH	MFR
1	EA	WIRELESS DOO CONTACT AND		PROVIE SYSTEM INOVON RECEIV REQUIF SYSTEM	NICS EN1210 DED BY SECI M INSTALLER NICS EN4204 ('ERS, QUAN' RED FOR FU M	URITY R. IR TITY / NCTI	AS ONAL	*	WHI	ITE	INN

HARDWARE GROUP NO. C2:

FOR	LISE	ON	DO(ΛR	#/	2	١
FOR	USE	ON	DO	ハ	#(0	,

1 011 0	<u> </u>) i i ii (O).									
C6a,	b											
QTY		DE	SCRIPTION		CATALO	OG NUMBE	R			FIN	ISH	MFR
2	EA		RELESS DOOR ONTACT AND REG	CEIVER	PROVIE SYSTEM INOVON RECEIV REQUIF SYSTEM	NICS EN122 DED BY SEG MINSTALLI NICS EN420 ERS, QUA RED FOR F M	CURIT ER. D4R NTITY UNCTI	AS ONAL	*	WH	ITE	INN

HARDWARE GROUP NO. C3

OR US	SE ON I	DOOR #(S):									
C1a		C2a	C3a		C7a		C8a			C9a	l
C15a		C18a									
QTY		DESCRIPTION		CATALO	OG NUMBER				FIN	ISH	MFR
1	EA	WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME AD-400-CY-50-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED									SCE
1	EA	PIM CSI STANDARDIZED PRODUCT PIM PIM400-1501 CSI STANDARDIZED PRODUCT						*			SCE
1	EA	WIRELESS DOO CONTACT AND F		PROVIE SYSTEM INOVOM RECEIV	NICS EN1210W DED BY SECUI M INSTALLER. NICS EN4204R (ERS, QUANTI RED FOR FUN M	RITY · R ITY #	N S	*	WH	ITE	INN
				CSI STA	ANDARDIZED	PRO	DUCT				

HARDWARE GROUP NO. C4

F	OR US	SE ON [000	OR #(S):								
	C4a			C5a	C11a		C13a					
	QTY		DE	SCRIPTION		CATALO	OG NUMBER			FIN	ISH	MFR
	1	EA	ST	AND ALONE TO		AD-CON	/M400P		×			SCE
				RLESS ELECTRO		BATTER	RY POWERED					
			HA	ANDLE CONVERS	ION							
			KI.	Γ		CSI STA	NDARDIZED PR	ODUCT				
	1	EA	PII	M		PIM400-	-1501		×			SCE
						CSI STA	NDARDIZED PRO	ODUCT				

HARDWARE GROUP NO. C5:

FOR USE ON DOOR #(S):

C10a,		C12a, b	C14a, b	1					
QTY		DESCRIPTION		CATALO	OG NUMBER	1		FINISH	MFR
2	EA	RETRACTION DEV WITH BUILT IN REG TO EXIT AND FIEL INSTALLED LATCH MONITOR KIT	TICE QUEST D	MLRK1-	ND ACCESS TE VD + VDLMBKIT NDARDIZED P	T-ED	*		CAT
2	EA	POWER TRANSFE LOOP, BLACK END		SDC SE	CURITY PT-2		*	STAIN LESS STEEL	SDC
1	EA	MULTI-TECH READ	DER	SCHLAG MT11 12 CSI STA		RODUCT	*	BLACK	SCE
2	EA	WIRED DOOR CON	NTACT	PROVID	H 1076CW-N DED BY SECURI M INSTALLER	ITY	*	WHITE	ARI
				CSI STA	NDARDIZED P	RODUCT			

HARDWARE GROUP NO. C6:

OR US	SE ON [DOOR #(S):								
C16a C17a		C22a		C26a	C29a			C29	b	
C31a		C32a								
QTY		DESCRIPTION		CATALO	OG NUMBER			FIN	ISH	MFR
1	EA	WIRED DOOR CO		WBOX TECHNOLOGIES OE-DC4811				AL		WBX
				CSI STA	NDARDIZED PRO	DDUCT				

HARDWARE GROUP NO. C7

FOR USE ON DOOR #(S):

C19a										
QTY		DESCRIPTION		CATALO	OG NUMBER			FIN	ISH	MFR
1		WIRELESS ELECTF HANDLE SET, CYLI LOCK, CLASSROOI MULTI-TECH, RHOI LEVER, SATIN CHF FINISH.	NDER M, DES	(LEVER CONFIG BATTER	AD-400-CY-50-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED CSI STANDARDIZED PRODUCT					SCE
1	EA	PIM		PIM400-	-1501		×			SCE
				CSI STA	ANDARDIZED PRO	ODUCT				

DOOR HARDWARE NOTES

1. INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR HARDWARE WALK WITH 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:

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.

FIBER PATCH PANEL. OPEN FIBER OPTIC CONNECTION. 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.

NEW 2U SECURITY CAMERA

NETWORK VIDEO RECORDER - NVR

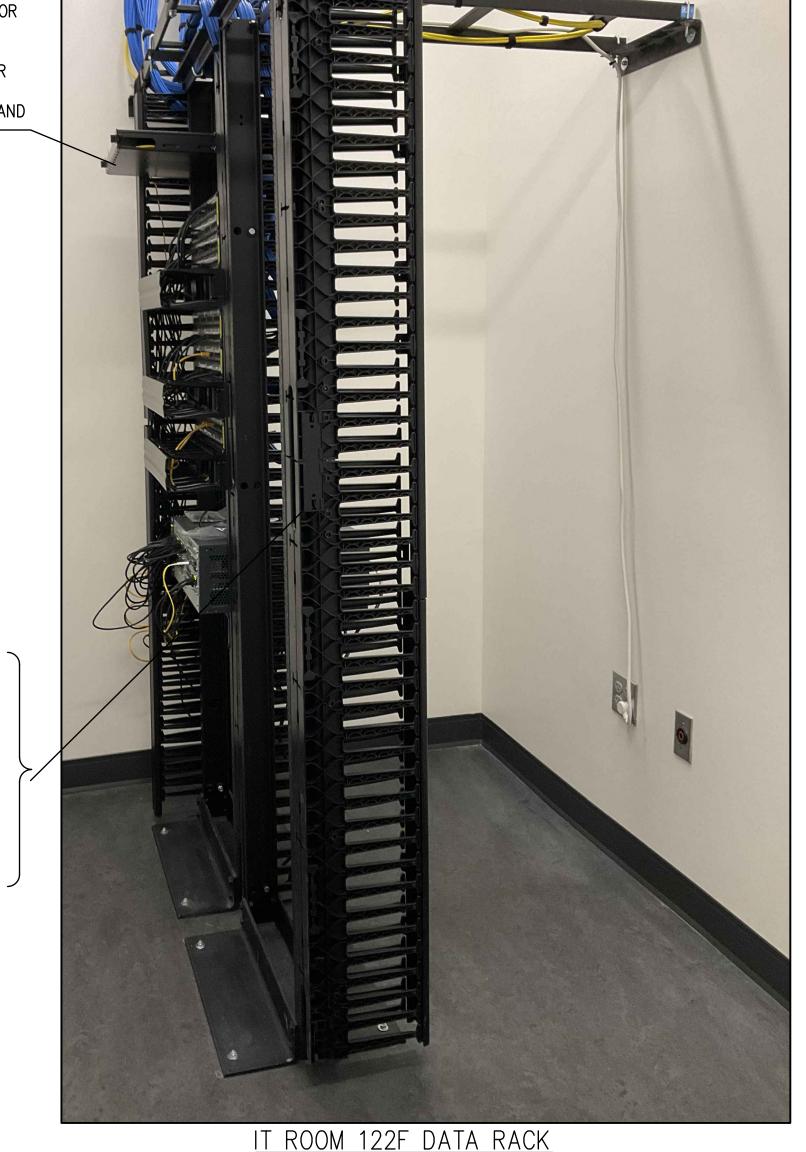
NEW 1U PUNCH DOWN

NEW 1U NETWORK SWITCH

NEW 1U MANAGEMENT SPACE

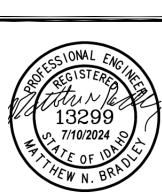
NEW 2U UPS APC SMT750RM2U OR EQUAL

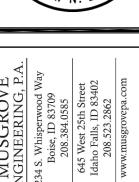
PROVIDED AND INSTALLED BY SECURITY CONTRACTOR

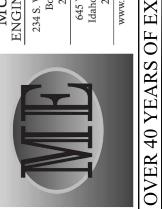


IT ROOM 122F DATA RACK
(ALTERNATE #1)

NO. REVISIONS DATE







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

PROJECT B18-112

DRAWN DBH

CHECKED MNB

DATE JULY 2024

SCALE AS SHOWN

E2.3



			CAMERA SCH	EDULE (N	INIMUM S	SPECIFI	CATIONS)			
	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION	FRAMES	MINIMUM	POWER INPUT	HOUSING	OPERATING
SYMBOL					H.264	PER SECOND	ILLUMINATION	DC 12V		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
I 1	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

(APPROX. 175')

AUTO BODY TECHNOLOGY BSEP 126

NEW CAT 6 CABLE (APPROX. 275')—

130F

AUTOMOTIVE TECHNOLOGY 130

NEW CAT 6 CABLE (APPROX. 355')

OFFICE 130D

OFFICE 130C

(APPROX. 100')

PRIN<u>TING</u> LAB

CLASSROOM 124

3643643645

364564636463,

MEN WOMEN. SHOWER

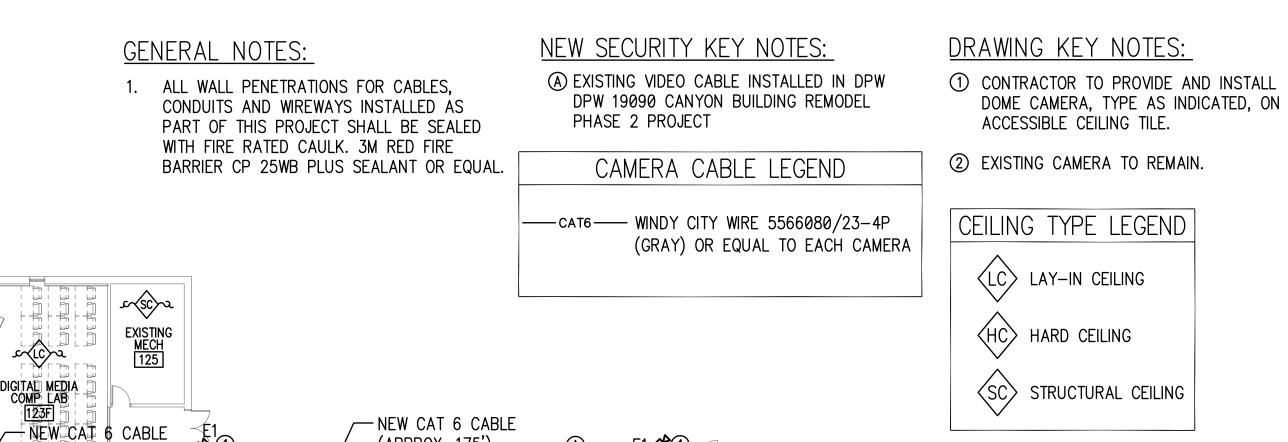
CLASSROOM 130B

CULINARY ARTS 121

OFFICE 132A

JAN.

OFFICE



PAINT

BOOTH

PAINT BOOTH

u scsc

- NEW CAT 6 CABLE

(APPROX. 250')

CLASSROOM
130A

L
SC
2



MUSGROVE
ENGINEERING, P.A.
234 S. Whisperwood Way
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645 West 25th Street
Idaho Falls, ID 83402
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www.musgrovepa.com

RS OF EXCELLENCE



CLASSROOM 128A

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

PROJECT B18-112

DRAWN DBH

CHECKED MNB

DATE JULY 2024

E2.4

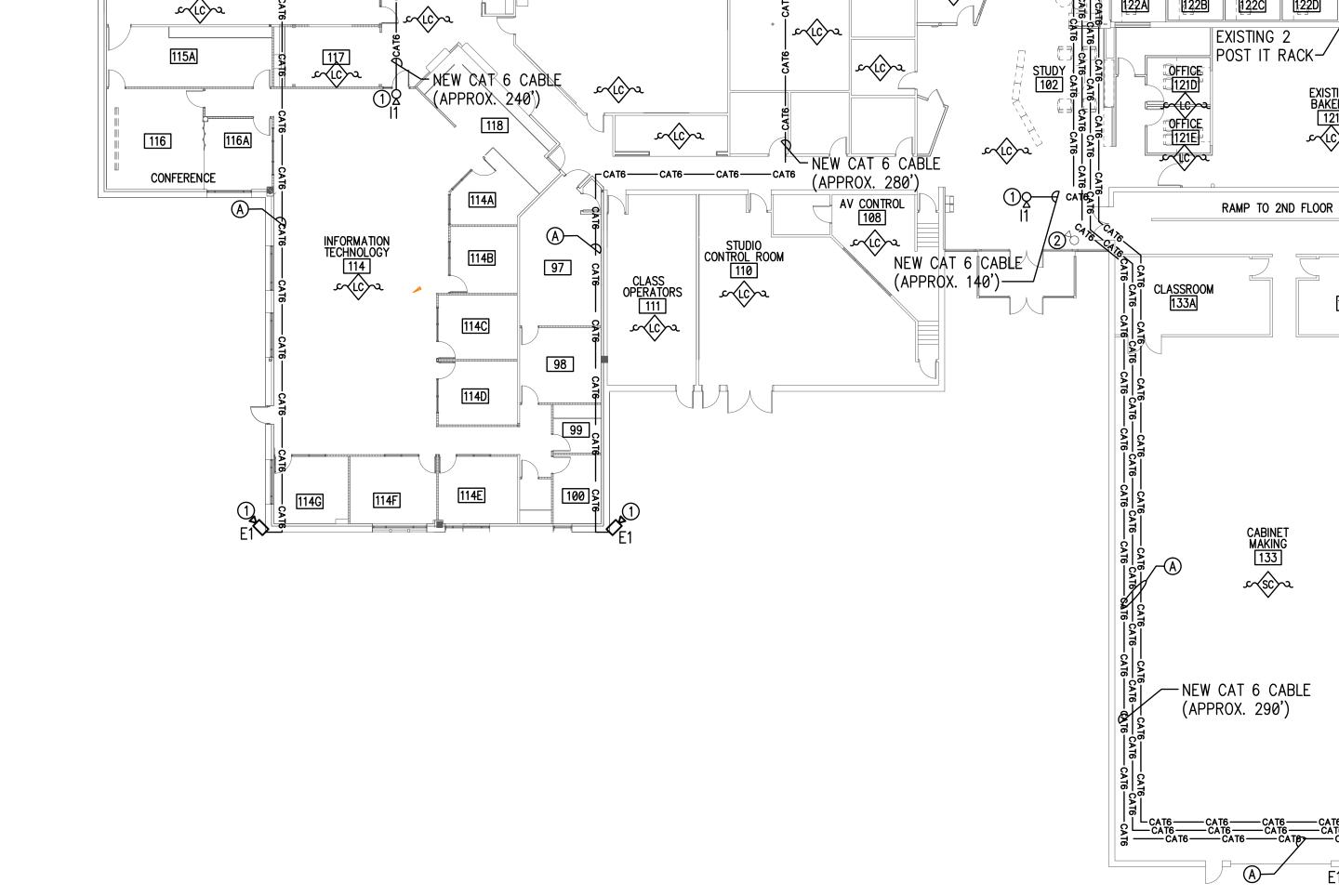
AS SHOWN

CANYON BUILDING — SECURITY CAMERA PLAN (ALTERNATE #1)

SCALE: 1/16 = 1'-0"

BUILDING CB

- NEW CAT 6 CABLE (APPROX. 330')



SOUTH

MAIL ROOM COPY CENTER MECHANICAL

NEW CAT 6 CABLE

(APPROX. 290')

- NEW CAT 6 CABLE

— NEW CAT 6 CABLE (APPROX. 345')

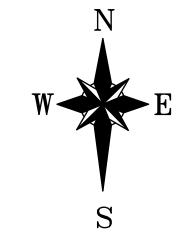
exic>a

NEW CAT 6 CABLE (APPROX. 150')—

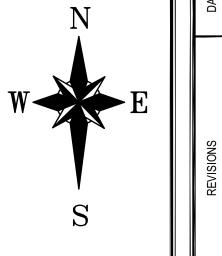
NEW CAT 6 CABLE

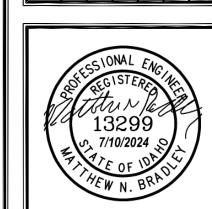
(APPROX. 100')-

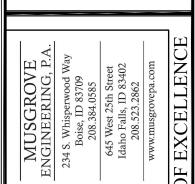
DPW PROJECT 19107 CSI: ENTRY ACCESS CONTROLS PHASE 2 COLLEGE OF SOUTHERN IDAHO TWIN FALLS, ID



(BASE BID)









inspections, verifications, and approvals by the field building inspector. See Plan Review notes: The plan review notes shall always be attached to the

compliant, all other code compliance requirements shall be completed through field

LIST OF DRAWINGS

T1.0 ELECTRICAL TITLE SHEET

E6.1 ACCESS CONTROL PLAN

HEPWORTH BUILDING

T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

INTERNATIONAL BUILDING CODE - 2018 OF IDAHO EXISTING INTERNATIONAL BUILDING CODE - 2020

NATIONAL ELECTRIC CODE - 2017 OF IDAHO

IDAHO ENERGY CONSERVATION COED - 2018 OF IDAHO

These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially code

stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

Construction Safeguards construction to ensure public safety.

Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to

All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.

Plan Review Note

In tenant renovations and remodels, the installation, deletion, or movement of any walls may affect the sprinkler performance. A sprinkler evaluation by a licensed sprinkler contractor should be made to ensure that any modification to the sprinkler system is warranted. Any alteration deletions or additions to the system shall be by a licensed sprinkler contractor and be approved by the Fire Marshal through plan review and inspection.

called for approval.

It is the responsibility of the design professional, contractor, and or builder to notify the building department of any alteration, addition, or removal of any building component, that is not in the scope of this approved plan and permit, whether structural, or not, as a modification of plans, for review and inspection Any penetrations, whether a membrane penetration or through penetration of any horizontal assemblies, smoke assemblies, fire-resistance-rated wall assemblies, and

fire-resistance-rated floor, and or ceiling assemblies must be protected and inspected The provisions of chapter 7, of the 2018 IBC shall govern the materials and methods of construction used to protect duct penetrations, through penetrations and membrane penetrations of rated assemblies. A building permit for the inspection of such alterations, penetrations and protections shall be made, and building inspections

SOUTHERN IDAHO FINE ARTS BUILDING Falls Avanue W. Falls Ave. E. " June 2015 Early Childhood

COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

IDAHO LEGEND CHALLIS DUBOIS OREGON REXBURG CALDWELL SUN VALLEY BELLEVUE IDAHO FALLS BLACKFOOT MOUNTAIN GOODING POCATELLO **RUPERT** BURLEY TWIN FAL OAKLEY IDAHO JACKPOT \ UTAH NEVADA -PROJECT LOCATION LOCATION MAP SCALE: NTS

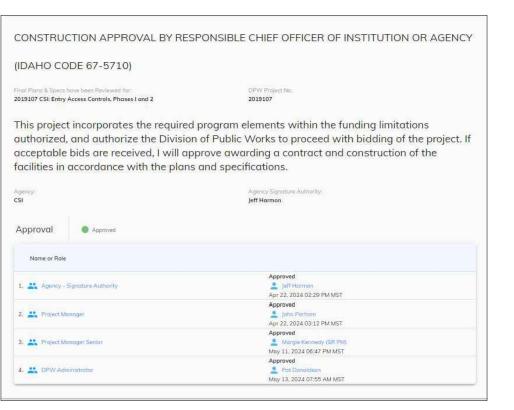
DESIGN PROFESSIONAL CONTACT MUSGROVE ENGINEERING P.A. MATTHEW BRADLEY P.E. 645 WEST 25TH STREET IDAHO FALLS ID 83404 208-523-2862

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:

- 1. ALL BUILDINGS ON CSI CAMPUS ARE TO REMAIN 100% OWNER OCCUPIED. BUILDING EXITING AND SECURITY SHALL BE MAINTAINED DURING CONSTRUCTION.
- 2. 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.



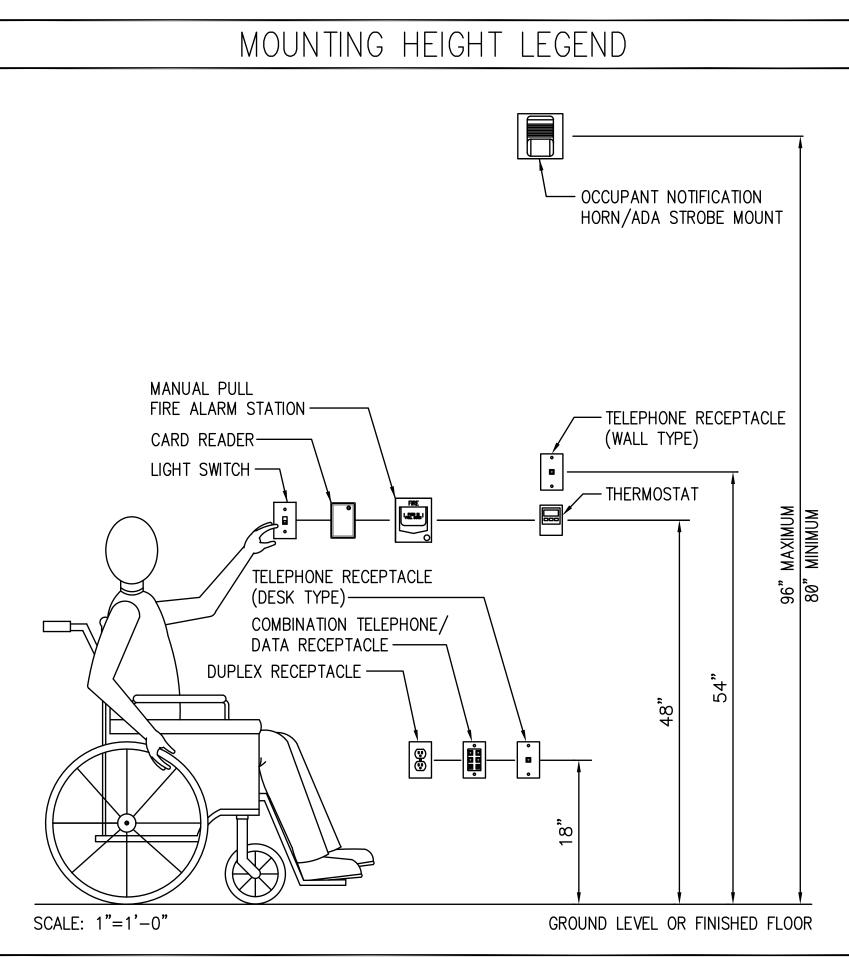
S **D** I: ENTRY ACCESS CONTROLS
COLLEGE OF SOUTHERN ID
TWIN FALLS, ID

<u>S</u>: B18-112

CHECKED MNB JULY 2024 AS SHOWN

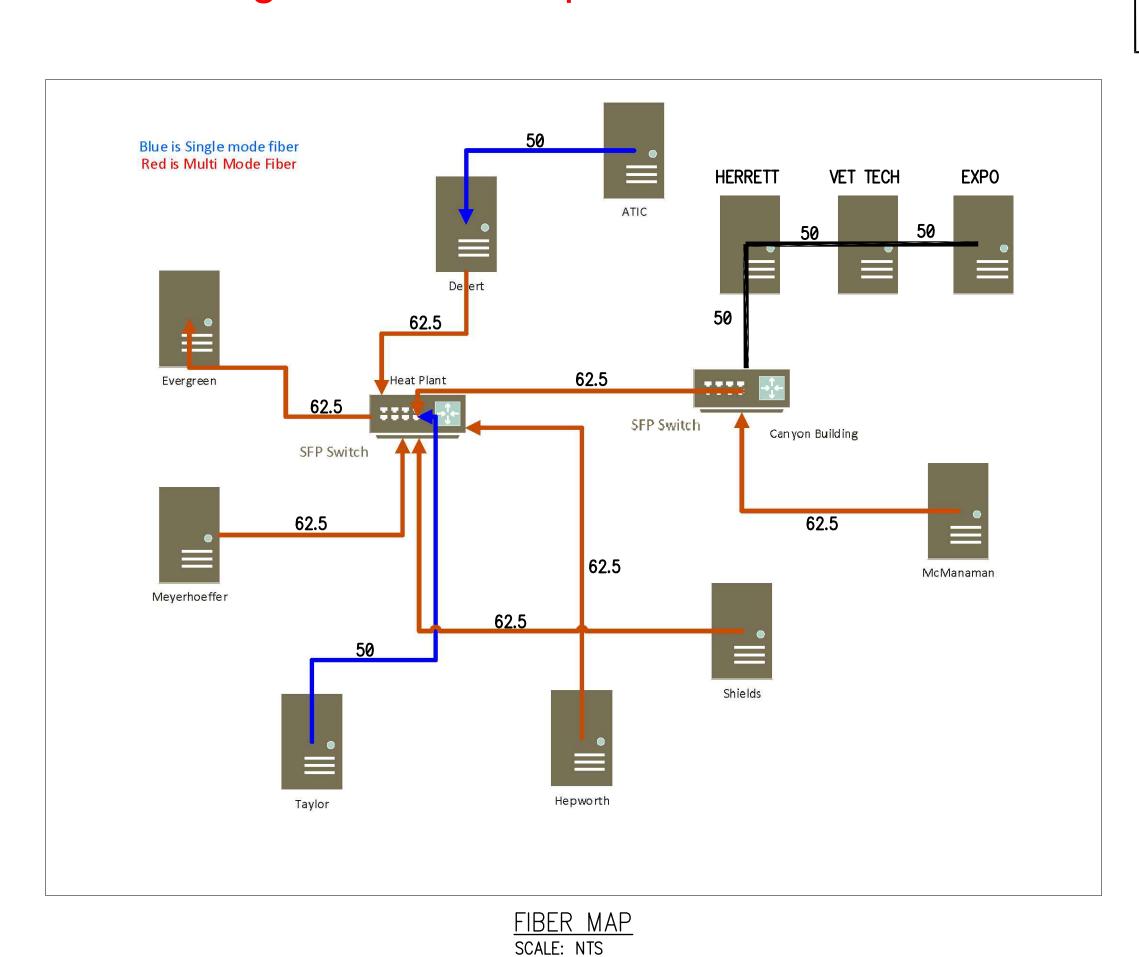
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MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS

All reach ranges shall be as per the 2009 ANSI A117.1.



ABBREVIATIONS **ALUMINUM** AMPERE INTERRUPTING CAPACITY AWG AMERICAN WIRE GAUGE BARE COPPER CONDUIT CIRCUIT BREAKER CKT CURRENT TRANSFORMER COPPER DISC DISCONNECT DRAWING ELECTRICAL METALLIC TUBING FREQUENCY IN CYCLES PER SECOND FUSE FUSIBLE SWITCH GENERATOR GROUND FAULT INTERRUPTER GROUND HORSEPOWER HIGH PRESSURE SODIUM INTERMEDIATE METALLIC CONDUIT INCANDESCENT KILOVOLT KILOWATT VOLT AMPS KILOWATT(S) THOUSAND CIRCULAR MIL(S) LATCH BOLT MONITORING MINIMUM CIRCUIT AMPS MOTOR CONTROL CENTER MAIN LUG ONLY NORMALLY CLOSED NORMALLY OPEN NATIONAL ELECTRIC CODE NOT IN CONTRACT NTS NOT TO SCALE PANEL POLYVINYL CHLORIDE PVC MOTORIZED PUSH PAD HARDWARE RIGID GALVANIZED STEEL REQUEST TO EXIT SWITCHBOARD SWBD XMFR TRANSFORMER

TYPICAL

VOLT(S)

VOLTAMP(S)

WATT(S)
WEATHER PROOF

UNDERGROUND

UNLESS NOTED OTHERWISE

UNINTERRUPTED POWER SYSTEM

DATA/COMMUNICATIONS LEGEND DATA JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. DATA/COMM QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE (ROUGH IN ONLY, NO CABLES) SURFACE RACEWAY DATA/COMM/POWER FLOOR BOX 19" 4 POST NETWORK RACK 19" 2 POST NETWORK RACK WALL MOUNTED NETWORK RACK

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT SECURITY LEGEND BULLET CAMERA 1 GRAY CAT6 CABLE c - CEILING MOUNT w - WALL MOUNT wP - WEATHERPROOF DOME CAMERA 1 GRAY CAT6 CABLE c - CEILING MOUNT w - WALL MOUNT wP - WEATHERPROOF PANORAMIC CAMERA 1 GRAY CAT6 CABLE c - CEILING MOUNT EST CARD READER ESS ELECTRIC STRIKE - SURFACE ESS ELECTRIC STRIKE - RECESSED IN FRAME ESS ELECTRIC CRASH BAR DC DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT WRX MOTION SENSOR REQUEST TO EXIT EX REQUEST TO EXIT PANIC BUTTON WHS WRELESS HANDLE SET HS HANDLE SET ESS POWER SUPPLY ADA ADA ACTUATOR BUTTON AUTOMATIC DOOR OPENER			
BULLET CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF DOME CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT W — WALL MOUNT W — WALL MOUNT WP — WEATHERPROOF PANORAMIC CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT CRI CARD READER CSS ELECTRIC STRIKE — SURFACE CSS ELECTRIC STRIKE — RECESSED IN FRAME CSS ELECTRIC CRASH BAR DO DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WOC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON AUTOMATIC DOOR OPENER	<u> </u>	NOTE:	ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT
1 GRAY CAT6 CABLE C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF ODME CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF PANORAMIC CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT CRI CARD READER ESS ELECTRIC STRIKE — SURFACE ESS ELECTRIC STRIKE — RECESSED IN FRAME EBB ELECTRIC CRASH BAR DCI DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON AUTOMATIC DOOR OPENER			SECURITY LEGEND
DOME CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF PANORAMIC CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT CR CARD READER SS ELECTRIC STRIKE — SURFACE ESP ELECTRIC CRASH BAR DC DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HADDLE SET POWER SUPPLY ADDA ADTOMATIC DOOR OPENER		□₫	1 GRAY CAT6 CABLE C — CEILING MOUNT W — WALL MOUNT
W — WALL MOUNT WP — WEATHERPROOF PANORAMIC CAMERA 1 GRAY CAT6 CABLE C — CEILING MOUNT CR CARD READER ESS ELECTRIC STRIKE — SURFACE ESR ELECTRIC STRIKE — RECESSED IN FRAME ECB ELECTRIC CRASH BAR DC DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET ES POWER SUPPLY ADA ACTUATOR BUTTON AUTOMATIC DOOR OPENER		O4	DOME CAMERA
CRI CARD READER ESS ELECTRIC STRIKE — SURFACE ESR ELECTRIC STRIKE — RECESSED IN FRAME ECB ELECTRIC CRASH BAR DCI DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT RXI REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER		· 读 -	W — WALL MOUNT WP — WEATHERPROOF PANORAMIC CAMERA
ESS ELECTRIC STRIKE — SURFACE (ESR) ELECTRIC STRIKE — RECESSED IN FRAME (EOB) ELECTRIC CRASH BAR (DC) DOOR CONTACT (ETH) ENERGY TRANSFER HINGE (EPT) ENERGY POWER TRANSFER (WDC) WIRELESS DOOR CONTACT (MRX) MOTION SENSOR REQUEST TO EXIT (RX) REQUEST TO EXIT (P) PANIC BUTTON (WHS) WIRELESS HANDLE SET (HS) HANDLE SET (PS) POWER SUPPLY (ADA) ADA ACTUATOR BUTTON (ADO) AUTOMATIC DOOR OPENER			
ESR ELECTRIC STRIKE — RECESSED IN FRAME ECB ELECTRIC CRASH BAR DC DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT RX REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ACTUATOR BUTTON ADD AUTOMATIC DOOR OPENER		_	
ECB ELECTRIC CRASH BAR DC DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT RX REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER		\equiv	
DC DOOR CONTACT ETH ENERGY TRANSFER HINGE EPT ENERGY POWER TRANSFER WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT EX REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER		\simeq	
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WDC WIRELESS DOOR CONTACT MRX MOTION SENSOR REQUEST TO EXIT RX REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER			
MRX MOTION SENSOR REQUEST TO EXIT RX REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER			
RX REQUEST TO EXIT PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER			
PANIC BUTTON WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER	_		
WHS WIRELESS HANDLE SET HS HANDLE SET PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER			
PS POWER SUPPLY ADA ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER		WHS	
ADA ACTUATOR BUTTON ADO AUTOMATIC DOOR OPENER		HS	HANDLE SET
ADO AUTOMATIC DOOR OPENER		PS	POWER SUPPLY
	[ADA	ADA ACTUATOR BUTTON
		ADO	AUTOMATIC DOOR OPENER
NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT	NOTE: AL	LL SYM	IBOLS MAY NOT BE USED ON THIS PROJECT

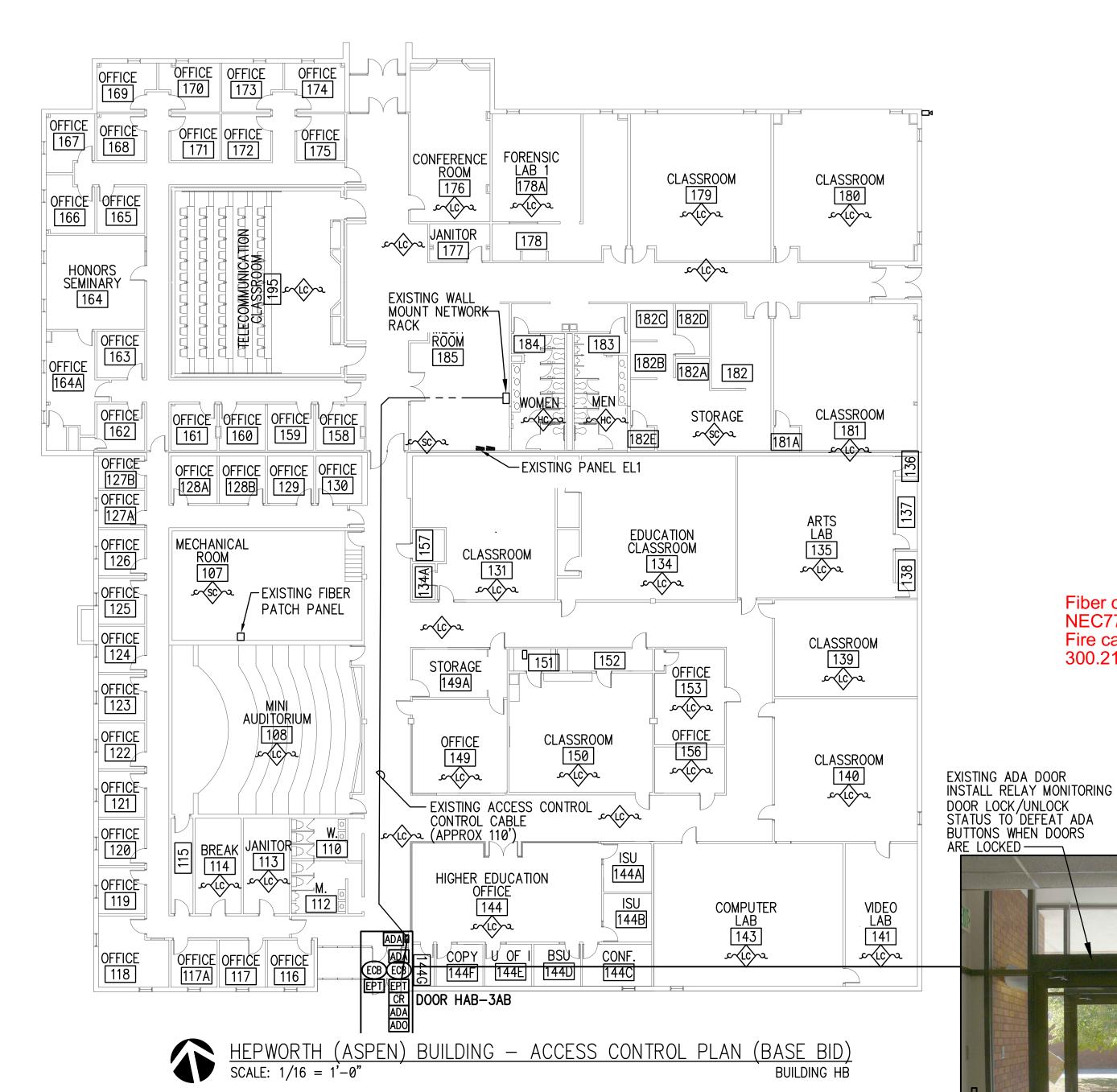
	POWER LEGEND							
\$ <u>@</u>	MANUAL MOTOR STARTER SWITCH							
T	TIMECLOCK							
C	CONTACTOR							
[C]	IRRIGATION CONTROL PANEL							
DS ^J XP-XA-X	DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED							
FJXP-XA-X XA FUSES	FUSED DISCONNECT SWITCH POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED							
①	THERMOSTAT, AT +48 INCHES							
∅	MOTOR F INDICATES FAN (FRACTIONAL HORSEPOWER) # INDICATES MOTOR SIZE (IN HORSEPOWER)							
	JUNCTION BOX							
S	RECESSED AUDIO SPEAKER							
(VOLUME CONTROL, AT +48 INCHES							
	ELECTRICAL PANEL							
— w —	SURFACE RACEWAY							
GFI C ⇒ SPD WP	DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE							
GFI C =⊕ SPD WP	DOUBLE DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE							
Φ©	DATA/COMM/POWER FLOOR BOX							
REB	RECESSED ENTERTAINMENT BOX							
[CR]	CARD READER BOX							
₹V	TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION							
©	30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION							
•	50A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION							

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

퓹 I: ENTRY ACCESS CONTROLS, F COLLEGE OF SOUTHERN IDA TWIN FALLS, ID CSI:

> ROJECT B18-112 JULY 2024 AS SHOWN





HARDWARE GROUP NO. HP1:

FOR USE ON DOOR #(S): P2a, b, c, d, e **CATALOG NUMBER** FINISH MFR DESCRIPTION ELECTRIFIED LATCH COMMAND ACCESS TECH. RETRACTION DEVICE MLRK1-VD + VDLMBKIT-ED WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT CSI STANDARDIZED PRODUCT SCHLAGE EPT 10 ELETRICAL POWER ✓ NATURAL TRANSFER CSI STANDARDIZED PRODUCT EA MULTI-TECH READER SCHLAGE ✓ BLACK MT11 12 VDC CSI STANDARDIZED PRODUCT LCN 4820 EA AUTOMATIC OPENER NATURAL LCN WITH WIRELESS TOUCHLESS ALUMINUM ACTUATOR BUTTONS WIRED DOOR CONTACT ARITECH 1076CW-N ✓ WHITE PROVIDED BY SECURITY SYSTEM INSTALLER CSI STANDARDIZED PRODUCT

DOOR HARDWARE NOTES

- LAY IN CEILING

ABOVE WINDOW

HARD CEILING IN

ENTRY WAY

ROUTE CABLING THROUGH HARD

CEILING TO CONTROL PANEL IN HALLWAY

NEW STORE FRONT SEE A101 AND A400 —

LAY IN CEILING —

INSTALL ELECTRIC POWER TRANSFER

INSTALL AUTO DOOR ACTUATOR

NEW EXIT DEVICE, SEE A101 AND A400 AND SPEC SECTION

BUTTON —

281300

DOOR HP2a, HP2b (INSIDE)

INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR HARDWARE WALK WITH 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.

DOOR HP1a, HP1b (INSIDE)

Fiber optic wiring to be installed per Fire caulk per requirements of NEC 300.21

INSTALL AUTO DOOR ACTUATOR BUTTON

NEW ACCESS CONTROL KEY NOTES:

(A) EXISTING ACCESS CONTROL CABLE. SEE ACCESS CONTROL CABLE LEGEND

GENERAL NOTES:

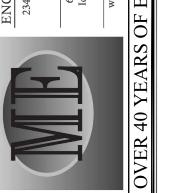
- CONTRACTOR MAY CONSIDER USING A DOOR/WINDOW SUBCONTRACTOR TO DISASSEMBLE STORE FRONT WINDOW AND DOORS TO AID IN HIDING ACCESS CONTROL CABLING.
- 2. CONTRACTOR SHALL REPLACE ALL CEILING TILE THAT IS DAMAGED BY CONTRACTOR AS PART OF THIS PROJECT. CEILING TILE SHALL MATCH EXISTING TILE FOR THIS BUILDING ARMSTRONG S823 FOR THE WEST SECTION, AND USG 2259 FOR THE EAST SECTION.
- BUILDING HAS EXISTING GENETEC SERVER INSTALLED WALL MOUNTED CABINET IN ROOM 185. CONNECT NEW ACCESS CONTROL DEVICES TO EXITING SYSTEM.
- 4. ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIRE WAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.
- 5. 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.

ACCESS CONTROL CABLE LEGEND

— — — EXISTING WINDY CITY WIRE 4461060 (GREEN) EXISTING WINDY CITY WIRE 002393-50 (PURPLE) FORE EACH DOOR

13299 7/10/2024





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NEW EXTERIOR MASTER KEY CORE 29-018 INSTALLED BY CONTRACTOR ——

DOOR HP1a, HP1b (OUTSIDE)

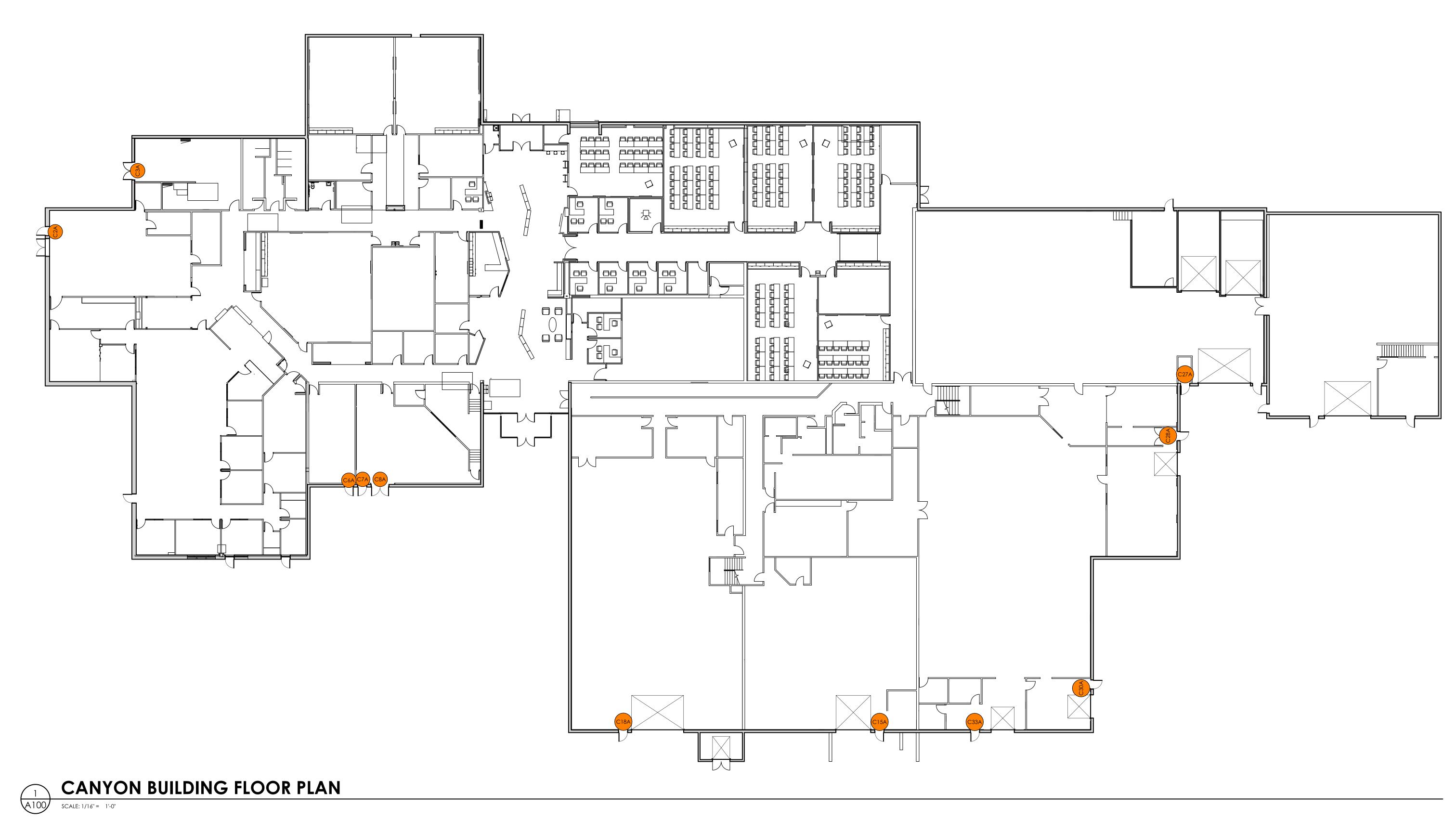
-NEW STORE FRONT SEE A101 AND A400

B18-112 CHECKED MNB JULY 2024 AS SHOWN

CSI:

E6.1

DPW PROJECT 19107
I: ENTRY ACCESS CONTROLS, F
COLLEGE OF SOUTHERN IDAI
TWIN FALLS, ID



CSI: ENTRY ACCESS CONTROLS, PHASE COLLEGE OF SOUTHERN IDAHO TWIN FALLS, ID

FEB 2024

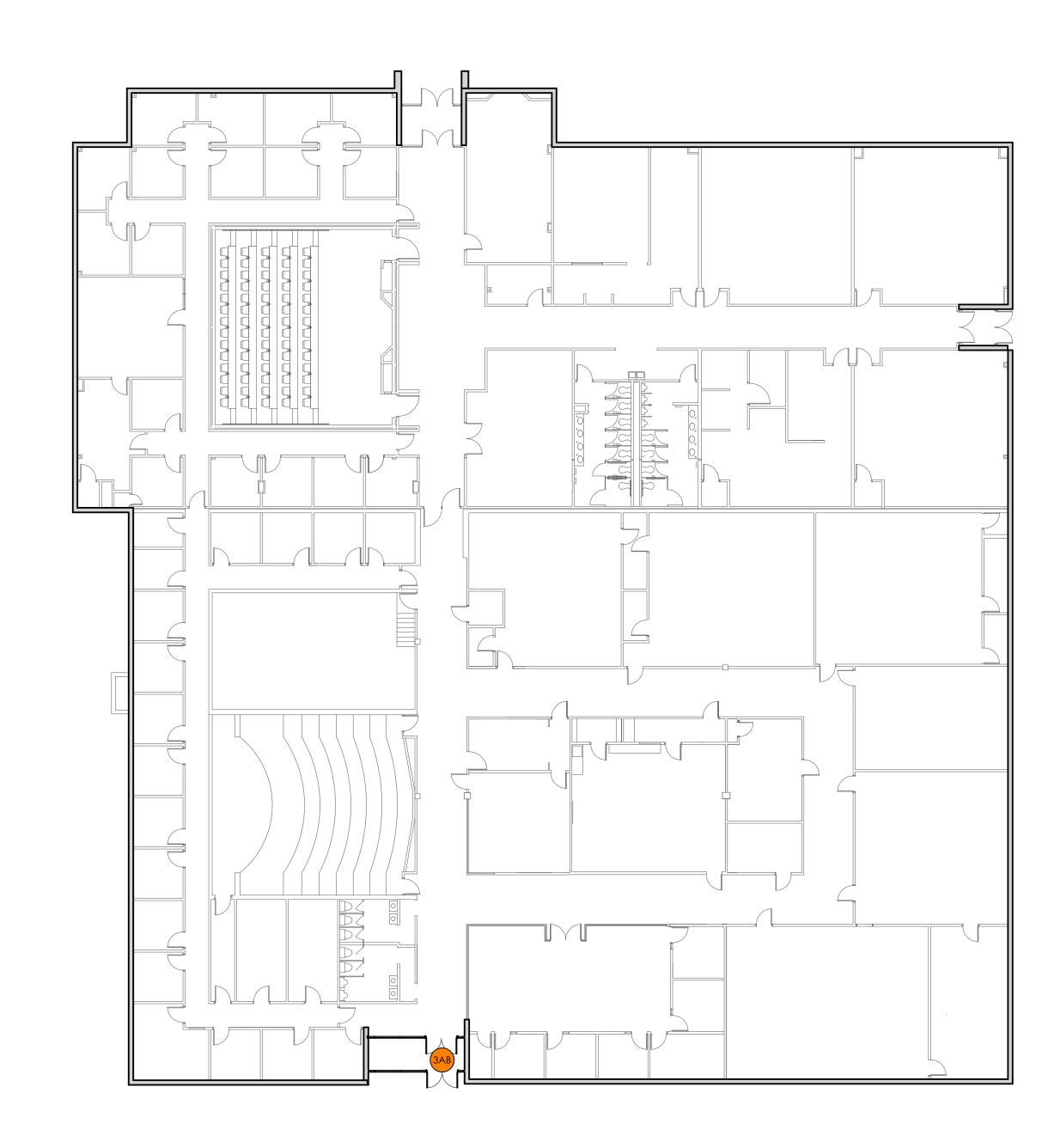
Myers Anderson

Architecture
 Interior Design
 Historic Preservation

AIA NCARB ASID

122 South Main Street • Pocatello, Idaho 83204 • Tel. (208) 232 - 3741 • Fax (208) 232 - 3782

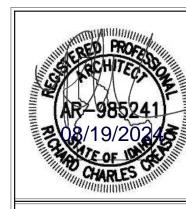
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AIA NCARB ASID



NO. REVISIONS
REV







CSI: ENTRY ACCESS CONTROLS, PHASE COLLEGE OF SOUTHERN IDAHO TWIN FALLS, ID

PROJECT

DRAWN

CHECKED

DATE FEB 2024

SCALE

SHEET

A101

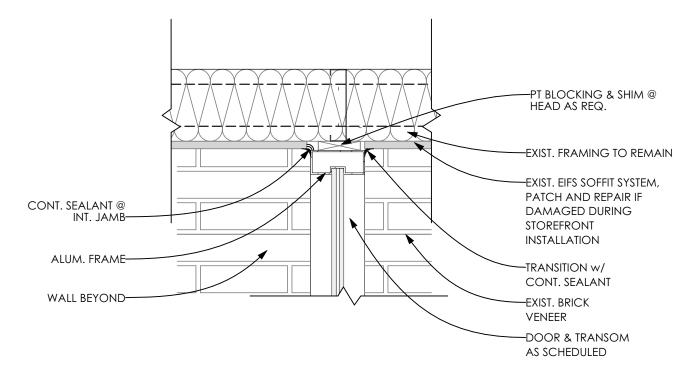
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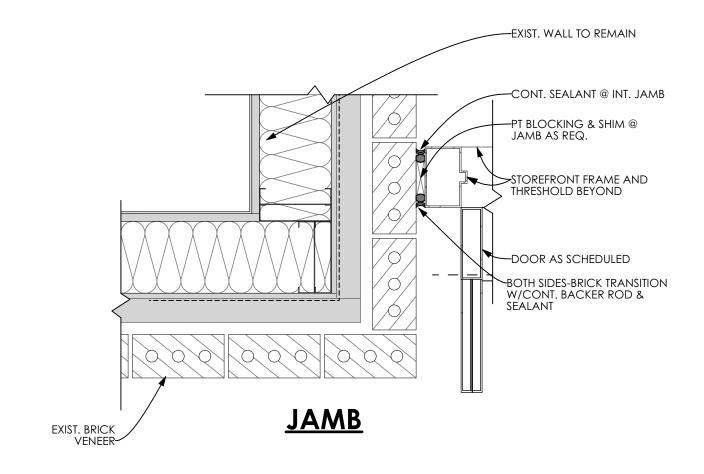
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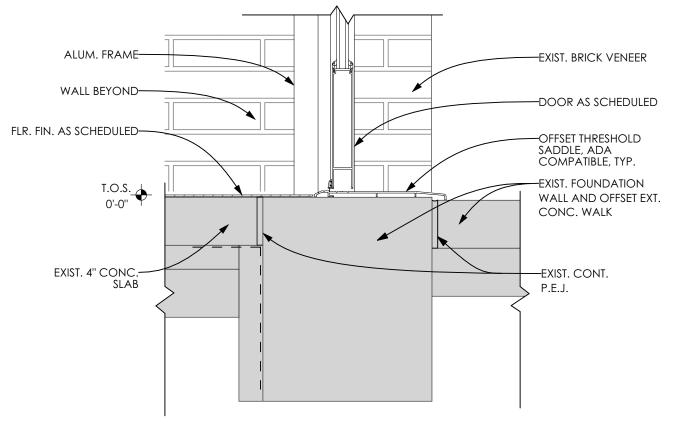
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#	TYPE	HIDIM	HEIGHT	MATERIAL	FINISH	MATERIAL	FINISH	THROAT	HINGES	LOCKS	CLOSER	KICKPLATES	STOPS		CONTROL	SWEEP	THRESHOLD	DEVICE	PUSH/PULL	GLAZING	RATING	NOTES	DETAIL	#
MAIN F	_OOR	•	•		•	•		•		•		•												
C2A	В	3'-0''	7'-0''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C2A
C3A	С	6'-0''	7'-8''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 2; 3; 4; 5; 6; 7; 8		C3A
C6A	D	3'-0''	7'-8''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C6A
C7A	D	3'-0''	7'-8''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C7A
C8A	С	6'-0''	7'-8''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 2; 3; 4; 5; 6; 7; 8		C8A
C15A	В	3'-0"	7'-0''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C15A
C18A	В	3'-0"	7'-0''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C18A
C27A	В	3'-0"	7'-0''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C27A
C28A	В	3'-0''	7'-0''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C28A
C30A	В	3'-0''	7'-0''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C30A
C33A	В	3'-0"	7'-0''	НМ	H.M. PAINTED	E.T.R.	E.T.R. PAINTED		H1		C1	K1		WS1	AC-1	DS1	T1					1; 6; 7; 8		C33A

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	T			ı	DOOR		FRAME			11L1 V	HARDWA		BOOK	l	l			ı						
DOO! #	R DOC TYP		HEIGHT	MATERIAL	FINISH	MATERIAL	FINISH	THROAT	HINGES	LOCKS		KICKPLATES	STOPS	WEATHER STRIPPING	ACCESS CONTROL	DOOR SWEEP	THRESHOLD	EXIT DEVICE	PUSH/PULL	GLAZING	FIRE RATING	notes	DETAIL	DOOR -
MAIN F	_OOR		<u>.</u>		_ L		<u> </u>				<u> </u>				!			!			!			
ЗАВ	Α	6'-0''	7'-0''	ALUM	FAC. FIN.	ALUM.	E.T.R. PAINTED	4-1/2"	H2		C1; C2	K1	S 1	WS1	AC-2	D\$1	T1	ED2		G2		1; 4; 8; 9; 10	1/A400	ЗАВ –



<u>HEAD</u>





<u>THRESHOLD</u>



H2 179 FULL MORTISE NRP STANLEY EXIT DEVICE **VON DUPRIN** 99NLOP-626 RIM DEVICE, LEVER HANDLE ED2 99EO-626 RIM DEVICE, EXIT ONLY VON DUPRIN ACCESS CONTROL AC-1 AD-400-CY W/ EXTERIOR MASTER KEY CORE 29-018 SCHLAGE AC-2 AD-200-CY (REFER ALSO TO NOTE #9) SCHLAGE CLOSER 4040XP-3049CNS LCN C1 C2 4640 LCN KICKPLATES K1 36 J100 DW-2" QUALITY STOPS W302 PT US26D QUALITY WEATHER STRIPPING WS1 303CPK PEMKO SMOKE SEALS PEMKO SS1 303CPK DOOR SWEEP PEMKO DS1 18062CP THRESHOLD T1: PEMKO 172A GLAZING 1/4" PLATE GLASS, <u>TEMPERED</u> G-2 1" INSULATED GLASS, <u>TEMPERED</u>

GEARED CONTINUOUS HINGE XY SERIES US28 CLEAR ALUMINUM ANODIZED IVES

DOOR LEGEND

NOTES 1. HARDWARE BY DOOR SUPPLIER

- 2. PROVIDE TOP & BOTTOM FLUSH BOLTS ON INACTIVE LEAF. PROVIDE RADIUSED STRIKE ON INACTIVE
- 3. PROVIDE ACCESS CONTROL DEVICE ON ACTIVE LEAF ONLY. PROVIDE CLOSER ON ACTIVE LEAF ONLY. ALL OTHER HARDWARE CALLED OUT TO BE PROVIDED IN PAIRS
- PROVIDE HARDWARE IN PAIRS ON DOUBLE DOORS UNLESS OTHERWISE NOTED
- 5. PROVIDE VERTICAL ASTRAGAL ON INACTIVE LEAF
- 6. FIELD VERIFY EXISTING DOOR SLAB SIZE TO BE REPLACED PRIOR TO ORDERING NEW DOOR SLAB
- EXISTING HOLLOW METAL DOOR FRAME TO REMAIN AND BE REUSED. INSTALL NEW HOLLOW METAL DOOR SLAB WITH CONTINUOUS HINGE
- 8. COORDINATE W/ ELECTRICAL DRAWINGS FOR ALL OTHER DOORS TO RECEIVE DOOR HARDWARE
- AND ACCESS CONTROL DEVICES

 9. PROVIDE LOCAKABLE REMOVABLE MULLION VON DUPRIN 5654 w/ CYLINDER & (2) 299 STRIKES
- CRASH BARS SHALL RECEIVE:

 a. COMMAND ACCESS: REQUEST TO EXIT VDREXKIT-ED

 b. COMMAND ACCESS: MOTORIZED LATCH RETRACTION MLRK1-VI
- b. COMMAND ACCESS: MOTORIZED LATCH RETRACTION MLRK1-VD SURFACE CLOSER: LCN 4040XP-3049CNS ADA DOOR OPERATOR: LCN 4640
- 1 ELECTRIC POWER TRANSFER ON EACH LEAF: VON DUPRIN EPT-10
 PULLS ON EACH LEAF FROM STORFRONT MANUFACTURER
- 10. PROVIDE ADA DOOR OPERATOR: LCN 4640 ON SINGLE LEAF OF INTERIOR VESTIBULE STOREFRONT DOOR. COORDINATE OPERATION OF OPERATOR W/ EXTERIOR VESTIBULE OPERATOR

18'-8"

11'-3" 5'-0" 6'-2" 11-3"

5'-0" 6'-2" 12-3"

5'-0" 6'-2" 12-3"

5'-0" 6'-2" 12-3"

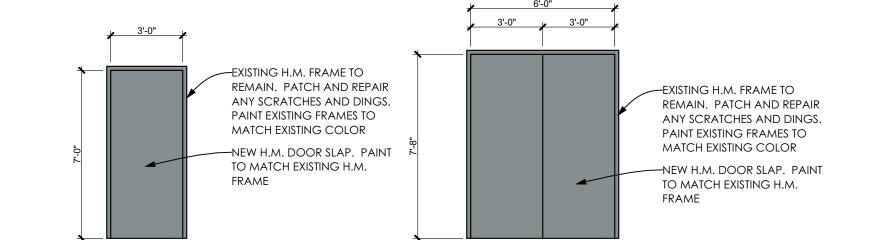
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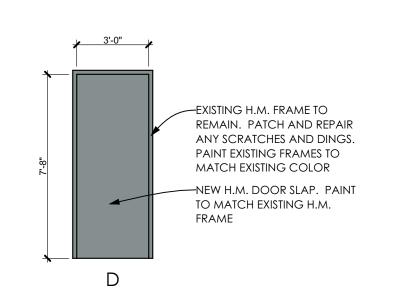
TYPE



SCALE: 1/4" = 1'-0"

DOOR TYPE





CANYON BUILDING DOOR TYPES

ALE: 1' = 1'-0"

Myers Anderson

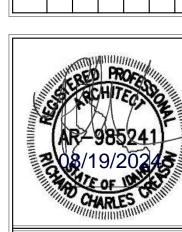
AIA NCARB ASID

122 South Main Street Pocatello, Idaho 83204 Tel. (208) 232 - 3741 Fax (208) 232 - 3782

Architecture
 Interior Design
 Historic Preservation

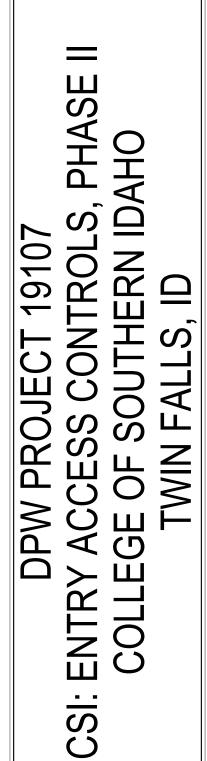
on

NO. REVISIONS
REV









PROJECT

DRAWN

CHECKED

DATE FEB 2024

SCALE

SHEET

4400

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

DUBOIS

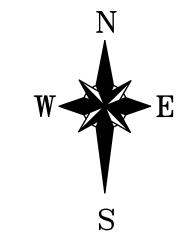
BLACKFOOT

POCATELLO

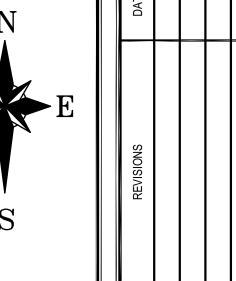
\ UTAH

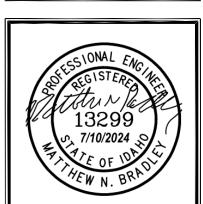
REXBURG

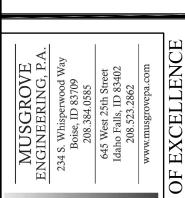
IDAHO FALLS



(BASE BID)









S

AH

These plans have been reviewed for code compliance based on the submitte documents and plan sheets, and have been found, to be, substantially code compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

CODES

LIST OF DRAWINGS

T1.0 ELECTRICAL TITLE SHEET

E9.1 ACCESS CONTROL PLAN F9.2 SECURITY CAMERA PLAN

MCMANNAMAN BUILDING

T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

INTERNATIONAL BUILDING CODE - 2018 OF IDAHO

NATIONAL ELECTRIC CODE - 2017 OF IDAHO

EXISTING INTERNATIONAL BUILDING CODE - 2020 2018

IDAHO ENERGY CONSERVATION COED - 2018 OF IDAHO

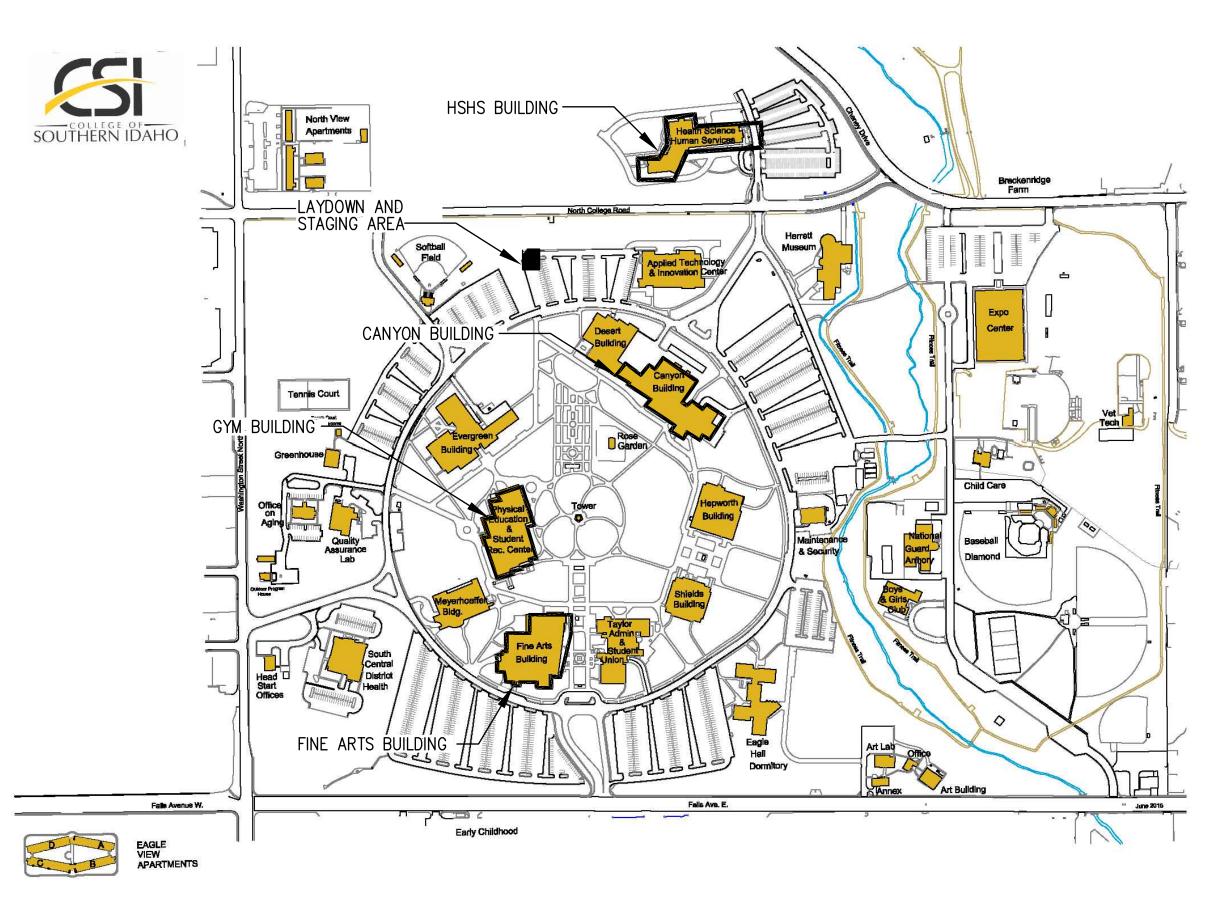
See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professiona Licenses (IDOPL) plan review notes and approved, stamped plans on site.

Construction Safeguards

Construction safeguards shall be required for any and all demolition and or construction to ensure public safety

Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure.

All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being



COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

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

IDAHO

OREGON

CALDWELL

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:

LEGEND

MOUNTAIN

IDAHO

NEVADA

GOODING

TWIN FAL

SCALE: NTS

JACKPOT

LOCATION MAP

CHALLIS

SUN VALLEY

BELLEVUE

RUPERT

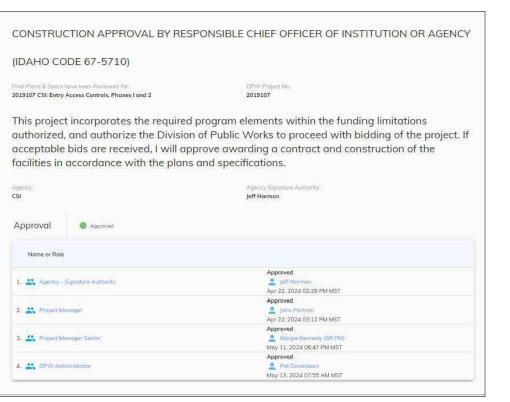
BURLEY

- PROJECT LOCATION

OAKLEY

- 1. ALL BUILDINGS ON CSI CAMPUS ARE TO REMAIN 100% OWNER OCCUPIED. BUILDING EXITING AND SECURITY SHALL BE MAINTAINED DURING CONSTRUCTION.
- 2. 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.

Fiber optic wiring to comply with NEC 770. Firestop as required per NEC 300.21 where wires pass thru walls, floor or ceilings.



I: ENTRY ACCESS CONTROLS
COLLEGE OF SOUTHERN ID
TWIN FALLS, ID Sprinkler Note In tenant renovations and remodels, the installation, deletion, or movement of any walls may affect the sprinkler performance. A sprinkler evaluation by a licensed sprinkler contractor should be made to ensure that any modification to the sprinkler system is warranted. Any alteration deletions or additions to the system shall be by a licensed sprinkler contractor and be approved by the Fire Marshal through plan review and inspection. Penetrations Note It is the responsibility of the design professional, contractor, and or builder to notify the building department of any alteration, addition, or removal of any building component, that is not in the scope of this approved plan and permit, whether structural, or not, as a modification of plans, for review and Any penetrations, whether a membrane penetration or through penetration of any horizontal assemblies, smoke assemblies, fire-resistance-rated wall assemblies, and fire-resistance-rated floor, and or ceiling assemblies must be protected and inspected if penetrated.
The provisions of chapter 7, of the 2018 IBC shall govern the materials and methods of construction used to protect duct penetrations, through penetrations and membrane penetrations of rated assemblies. A building permit for the inspection of such alterations, penetrations and protections shall <u>S</u>: be made, and building inspections called for approval.

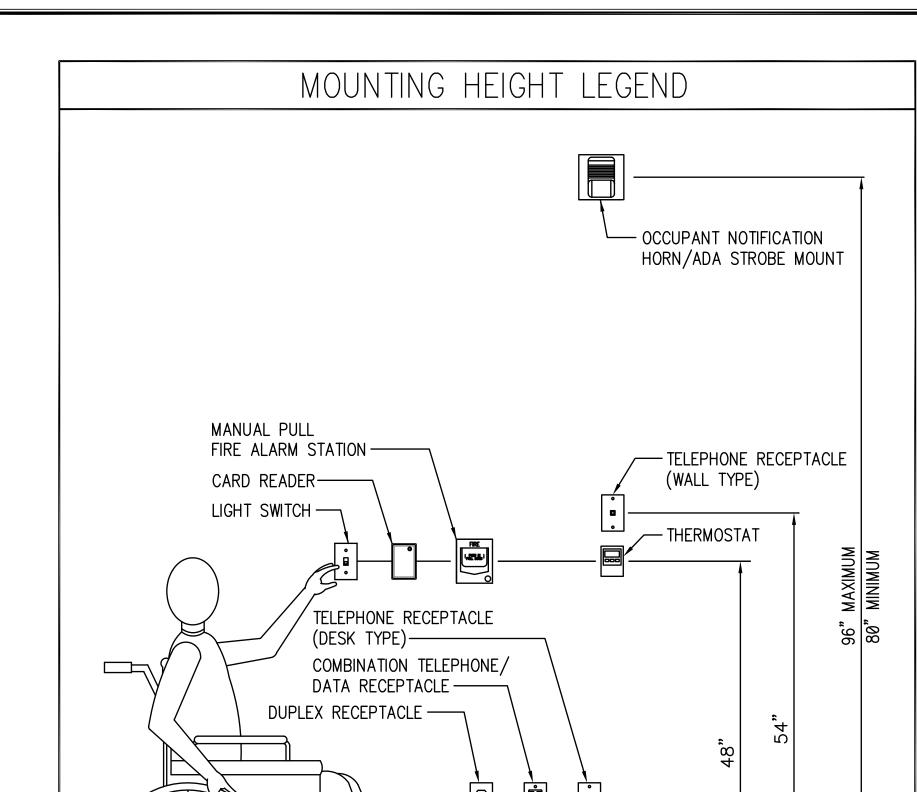
T1.0

B18-112

JULY 2024

AS SHOWN

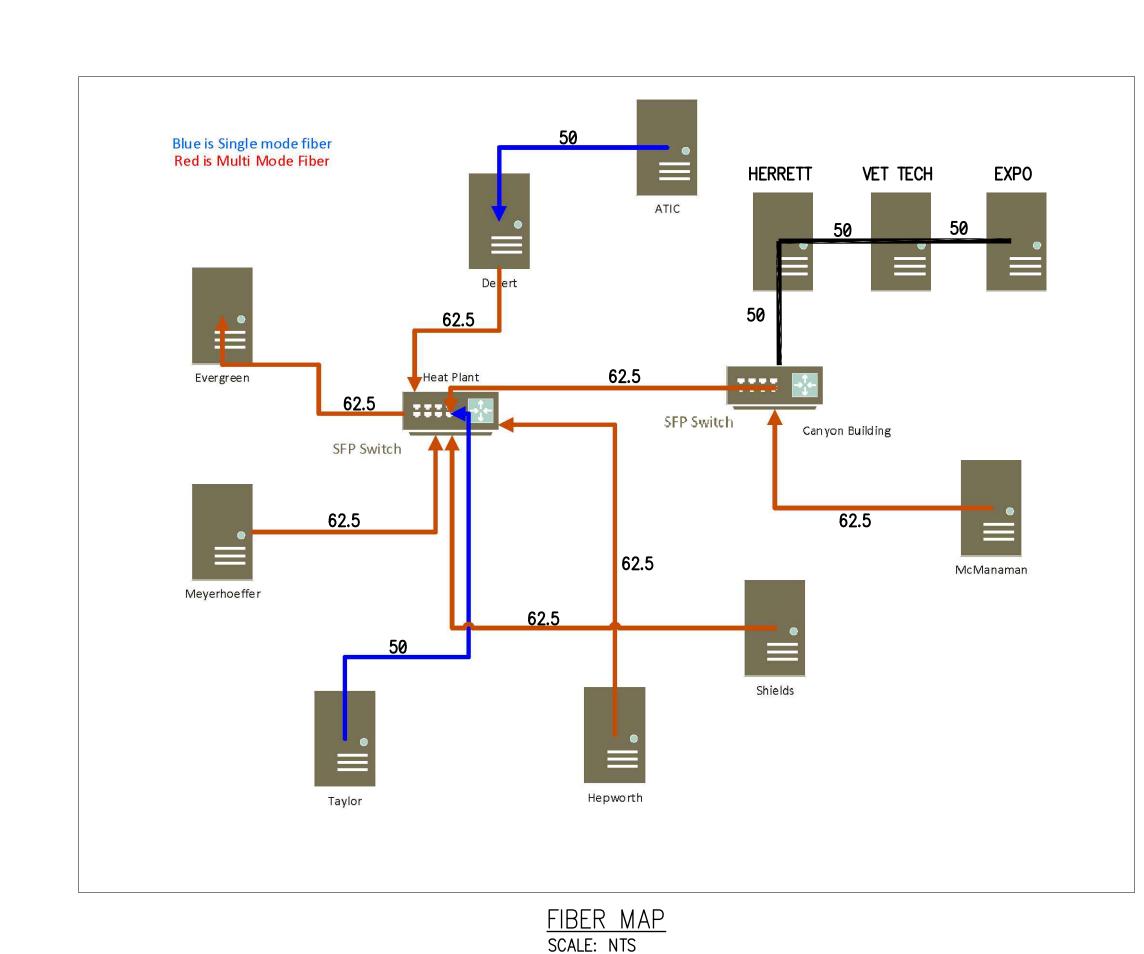
CHECKED MNB



MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS

GROUND LEVEL OR FINISHED FLOOR

All reach ranges shall be as per the 2009 ANSI A117.1 for accessibility.



SCALE: 1"=1'-0"

ABBREVIATIONS

Α	AMPERE(S)
AL	ALUMINUM
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
CU	
	COPPER
DISC	DISCONNECT
DWG	DRAWING
EMT	ELECTRICAL METALLIC TUBING
HZ	FREQUENCY IN CYCLES PER SECOND
F	FUSE
FS	FUSIBLE SWITCH
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
IMC	INTERMEDIATE METALLIC CONDUIT
INC	INCANDESCENT
KV	KILOVOLT
KVA	KILOWATT VOLT AMPS
KW	KILOWATT(S)
KCMIL	THOUSAND CIRCULAR MIL(S)
LX	LATCH BOLT MONITORING
MCA	MINIMUM CIRCUIT AMPS
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUG ONLY
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
QEL	MOTORIZED PUSH PAD HARDWARE
ΨLL DOO	BIOLOGIZED LOSIT LAD HANDWAILE

RIGID GALVANIZED STEEL

UNLESS NOTED OTHERWISE

UNINTERRUPTED POWER SYSTEM

REQUEST TO EXIT

SWITCHBOARD

TRANSFORMER

UNDERGROUND

TYPICAL

VOLT(S)

VOLTAMP(S)

WATT(S) WEATHER PROOF

RGS

RX

SWBD

XMFR

TYP

DATA/COMMUNICATIONS LEGEND

- DATA JACK, +18" UNLESS NOTED OTHERWISE

 # INDICATES QUANTITY OF STRUCTURED CABLES
 TERMINATING ON RJ45 JACK(S) AT FACEPLATE.
- DATA/COMM QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE.
- COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE.
- ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE (ROUGH IN ONLY, NO CABLES)
- ─ W ─ SURFACE RACEWAY
- DATA/COMM/POWER FLOOR BOX
- 19" 4 POST NETWORK RACK
- 重由 19"2 POST NETWORK RACK
-] WALL MOUNTED NETWORK RACK

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

SECURITY LEGEND

- BULLET CAMERA
 1 GRAY CAT6 CABLE
 - C CEILING MOUNT W — WALL MOUNT
 - WP WEATHERPROOF
- Od DOME CAMERA
 1 GRAY CAT6 CABLE
 - c CEILING MOUNT
 - W WALL MOUNT
 - WP WEATHERPROOFPANORAMIC CAMERA
 - 1 GRAY CAT6 CABLE
 - c CEILING MOUNT
- CR CARD READER
- ESS ELECTRIC STRIKE SURFACE
- ESR ELECTRIC STRIKE RECESSED IN FRAME
- (ECB) ELECTRIC CRASH BAR
- DC DOOR CONTACT
- ETH ENERGY TRANSFER HINGE
- EPT ENERGY POWER TRANSFER
- WDC WIRELESS DOOR CONTACT
- MRX MOTION SENSOR REQUEST TO EXIT
- REQUEST TO EXIT
- PANIC BUTTON
- HS WIRELESS HANDLE SET
- HS HANDLE SET
- PS POWER SUPPLY
- ADA ACTUATOR BUTTON
 ADO AUTOMATIC DOOR OPENER

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

POWER LEGEND MANUAL MOTOR STARTER SWITCH \$∙ TIMECLOCK CONTACTOR IC IRRIGATION CONTROL PANEL DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED FUSED DISCONNECT SWITCH FJXP-XA-X XA FUSES POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED \bigcirc THERMOSTAT, AT +48 INCHES INDICATES FAN (FRACTIONAL HORSEPOWER) INDICATES MOTOR SIZE (IN HORSEPOWER) JUNCTION BOX RECESSED AUDIO SPEAKER VOLUME CONTROL, AT +48 INCHES ELECTRICAL PANEL SURFACE RACEWAY -w-DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE $\Rightarrow^{\mathsf{C}}_{\mathsf{SPD}}$ GFI GROUND FAULT INTERRUPTER MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE DOUBLE DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE DATA/COMM/POWER FLOOR BOX RECESSED ENTERTAINMENT BOX REB CR CARD READER BOX $\langle TV \rangle$ TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION \bigcirc 30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

VERIFY NEMA PLUG TYPE REQUIRED

PRIOR TO INSTALLATION

50A, 250V SPECIAL PURPOSE RECEPTACLE

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

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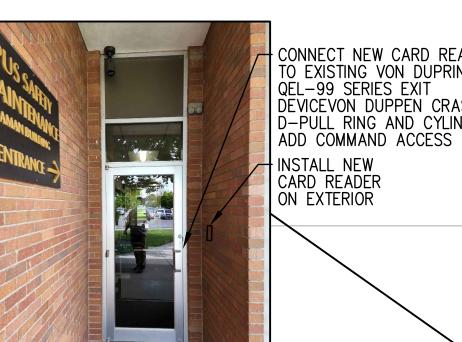
ROJECT	B18-112
RAWN	DBH
HECKED	MNB
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CALE	AS SHOWN

T11

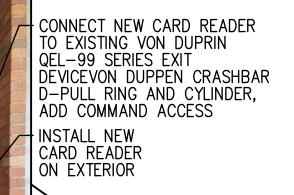
DOOR M2a (INSIDE)

DOOR M1a (INSIDE)

DOOR M1a, (OUTSIDE)



DOOR M2a, (OUTSIDE)



OFFICE 101

HVAC

105

SECURITY RECEPTION

103

co(LC) For

exSC>2

sc)sc

#C HC 2

DOOR M3a, M3b (OUTSIDE)

PROGRAMMING
120
SC

118 Storage

 $\frac{MCMANAMAN BUILDING - ACCESS CONTROL PLAN (BASE BID)}{SCALE: 1/8 = 1'-0"}$

GARAGE
121
SC

MHS

- INSTALL NEW SCHLAGE AD400C WIRELESS ACCESS CONTROL HANDLE

EXTERIOR MASTER KEY CORE 29-018 INSTALLED BY CONTRACTOR

108 HC

L HC N

Breakroom

114

106

ex(H)

c/HC/2

INSTALL NEW SCHLAGE
AD400C WIRELESS ACCESS
CONTROL HANDLE EXTERIOR
MASTER KEY CORE 29-018,
VON DUPRIN CRASHBAR
D-PULL RING AND
CYLINDER, ADD COMMAND
ACCESS, INSTALLED BY
CONTRACTOR

CORRIDOR HC

VESTIBULE

100

RECEPTION 102

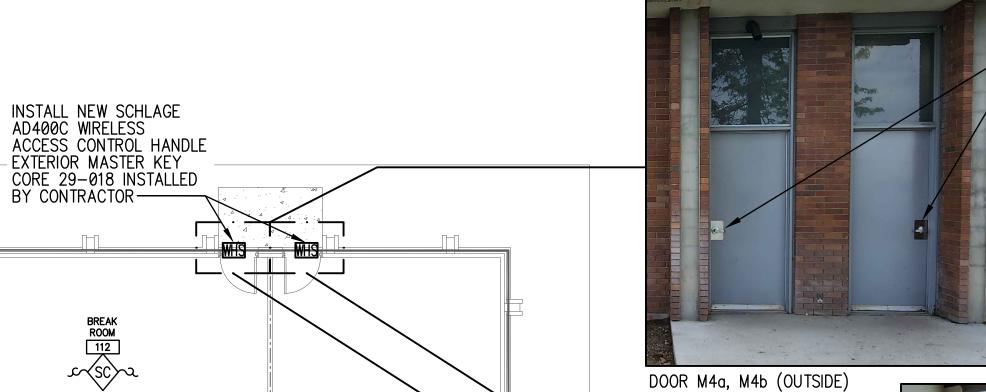
(D) PANIC BUTTON

- INSTALL NEW SCHLAGE
AD400C WIRELESS ACCESS
CONTROL HANDLE EXTERIOR
MASTER KEY CORE 29-018,
VON DUPRIN CRASHBAR
D-PULL RING AND CYLINDER,
ADD COMMAND ACCESS,
INSTALLED BY CONTRACTOR

(A) CR

Mair 104 Ince

Director



ELEC. SHOP

SC \u2 Electrical

Shop

108

-NEW WIRELESS PIM FOR

FIBER PATCH PANEL

-EXISTING NETWORK RACK

ACCESS/VIDEO SERVER

October 2010

INSTALL NEW SCHLAGE
AD400C WIRELESS
ACCESS CONTROL HANDLE
EXTERIOR MASTER KEY
CORE 29-018 INSTALLED

BY CONTRACTOR

WITH EXISTING POE SWITCH AND

WIRELESS HANDLE SETS

DOOR M4a, M4b (OUTSIDE)





DOOR M3b, (INSIDE)

FUEL TANK

FUEL TANK



DOOR M4b (INSIDE)



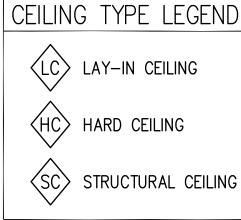
F	OR US	SE ON [000	OR #(S):								
	M1a											
	QTY		DE	SCRIPTION		CATALO	OG NUMBER			FIN	ISH	MFR
	1	EA	ΜL	JLTI-TECH READ	ER	MT11 12	2 VDC	N	BLA	\CK	SCE	
						CSI STA	NDARDIZED PR	ODUCT				

HARDWARE GROUP NO. M2:

M2a			М3а	M3b		M4a		M4b				
QTY		DESCR	IPTION		CATALO	OG NUMBEI	₹			FINI	SH	MFR
1	EA	HANDL LOCK, (MULTI-	ESS ELECT E SET, CYL CLASSROC TECH, RHO	INDER M, DES	(LEVER CONFIG	CY-50-MT-I PREP AND SURATION /	AS RE		*	626		SCE
		LEVER, FINISH.	SATIN CHI	ROME		RY POWERI NDARDIZE		ODUCT				
1	EA	PIM			PIM400-	-1501			N			SCE

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.

- INSTALL NEW SCHLAGE AD400C WIRELESS ACCESS CONTROL HANDLE EXTERIOR MASTER KEY CORE 29-018 INSTALLED BY CONTRACTOR



NEW ACCESS CONTROL KEY NOTES:

- (A) INSTALL CARD READER FOR ENROLLMENT. COORDINATE EXACT LOCATION WITH CSI PRIOR TO INSTALLATION.
- B EXISTING COLUMN PATHWAY DOWN WALL TO
- © INSTALL KEY CABINET TORUS 100 OR EQUAL, AND INTEGRATE INTO EXISTING GENETEC SYSTEM BY GENETEC CERTIFIED INSTALLER. INSTALL 120V POWER SOURCE AND DUPLEX RECEPTACLE FROM RECEPTACLE CIRCUIT IN ROOM.
- (D) INSTALL PANIC BUTTON AND INTEGRATE INTO ACCESS CONTROL SYSTEM EMERGENCY LOCK DOWN FEATURE. LOCK DOWN LICENSE REQUIRED AND TO BE PROVIDED AND PROGRAMMED BY GENETEC CERTIFIED INSTALLER.

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.



HARDWARE GROUP NO. M1:	
FOR USE ON DOOR #(S):	

M1a DESCRIPTION CATALOG NUMBER FINI 1 EA MULTI-TECH READER MT11 12 VDC	ISH MFR
	ISH MFR
4 EA MULTITECH DEADED MT44.43.VDC # DLA	
\mid 1 \mid EA \mid MULTI-TECH READER \mid MT11 12 VDC \mid $\mathscr{M}\mid$ BLA	ACK SCE
CSI STANDARDIZED PRODUCT	

M2a			М3а	M3b		M4a		M4b				
QTY		DESCR	IPTION		CATALO	G NUMBER				FIN	ISH	MFR
1	EA	HANDLI LOCK, (ESS ELEC E SET, CY CLASSRO TECH, RH	'LINDER OM,	(LEVER	CY-50-MT-RI PREP AND SURATION AS	,		*	626		SCE
		LEVER, FINISH.	SATIN CI	HROME	BATTERY POWERED CSI STANDARDIZED PRODUCT							
1	EA	PIM			PIM400-	1501			N			SCE





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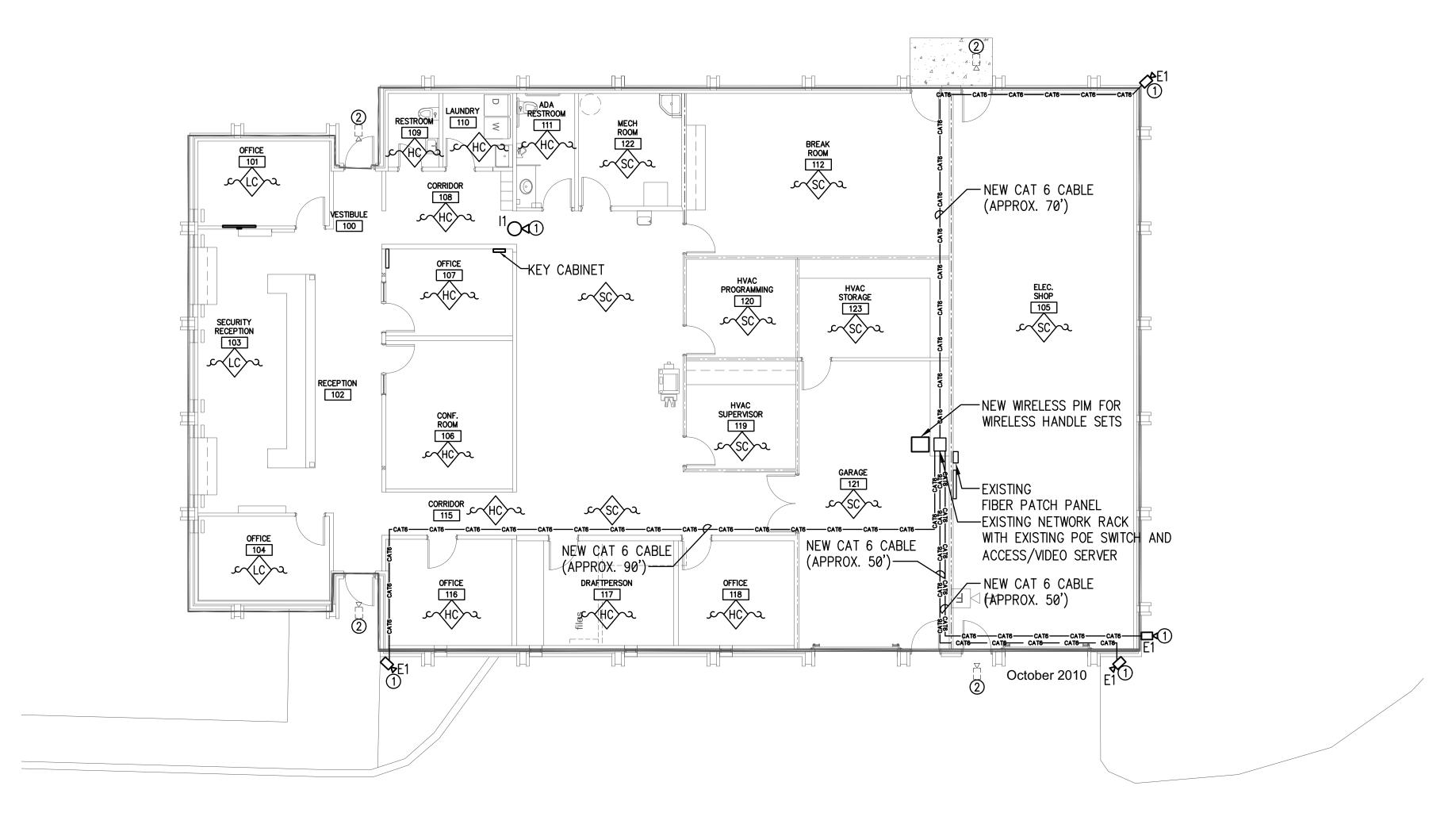
MUSGROVE ENGINEERING, P. 234 S. Whisperwood Way

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

E9.1



	CAMERA SCHEDULE (MINIMUM SPECIFICATIONS)													
	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION	FRAMES	MINIMUM	POWER INPUT	HOUSING	OPERATING				
SYMBOL					H.264	PER SECOND	ILLUMINATION	DC 12V		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				
I 1	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 ACCESS CONTROL KEY NOTES:

- (A) 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.
- ② EXISTING CAMERA TO REMAIN.

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

CEILING TYPE LEGEND



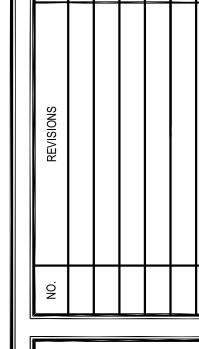
HC HARD CEILING



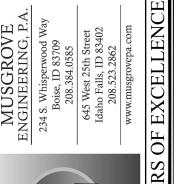
SC STRUCTURAL CEILING

CAMERA CABLE LEGEND

—care—care— windy city wire 5566080/23-4P (GRAY) OR EQUAL









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

JULY 2024 AS SHOWN

E9.2



MCMANAMAN BUILDING — SECURITY CAMERA PLAN (BASE BID)
SCALE: 1/8 = 1'-0"

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

DUBOIS

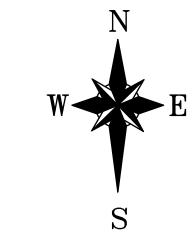
BLACKFOOT

POCATELLO

SUTAH

REXBURG

IDAHO FALLS



(BASE BID)

LIST OF DRAWINGS

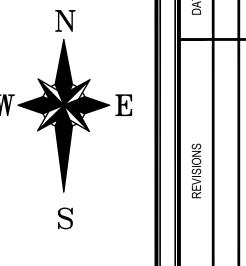
T1.0 ELECTRICAL TITLE SHEET

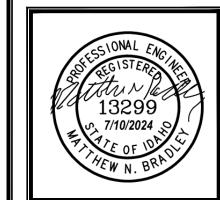
E15.1 ACCESS CONTROL PLAN E15.2 SECURITY CAMERA PLAN

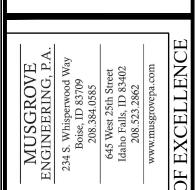
T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

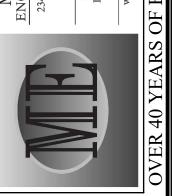
DAHO ENERGY CONSERVATION COED - 2018 OF IDAHO

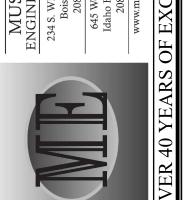
NATIONAL ELECTRIC CODE - 2017 OF IDAHO













SS CONTROLS, SOUTHERN IDA V FALLS, ID ENTRY ACCESS
COLLEGE OF S
TWIN F DP

CSI:

JULY 2024

AS SHOWN

T1.0

SOUTHERN IDAHO FINE ARTS BUILDING Falls Avanus W. Falls Ave. E. " June 2015

COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

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

OREGON

CALDWELL

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:

SCALE: NTS

TWIN FAL

JACKPOT

LOCATION MAP

LEGEND

MOUNTAIN

IDAHO

CHALLIS

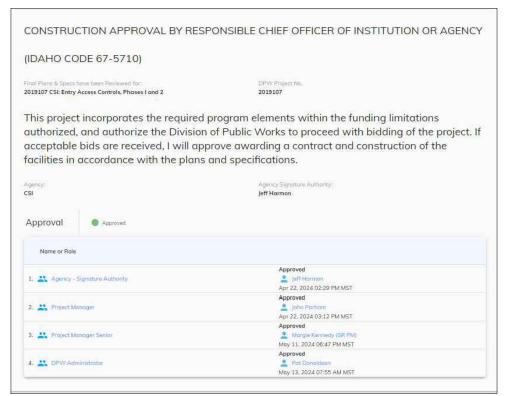
SUN VALLEY

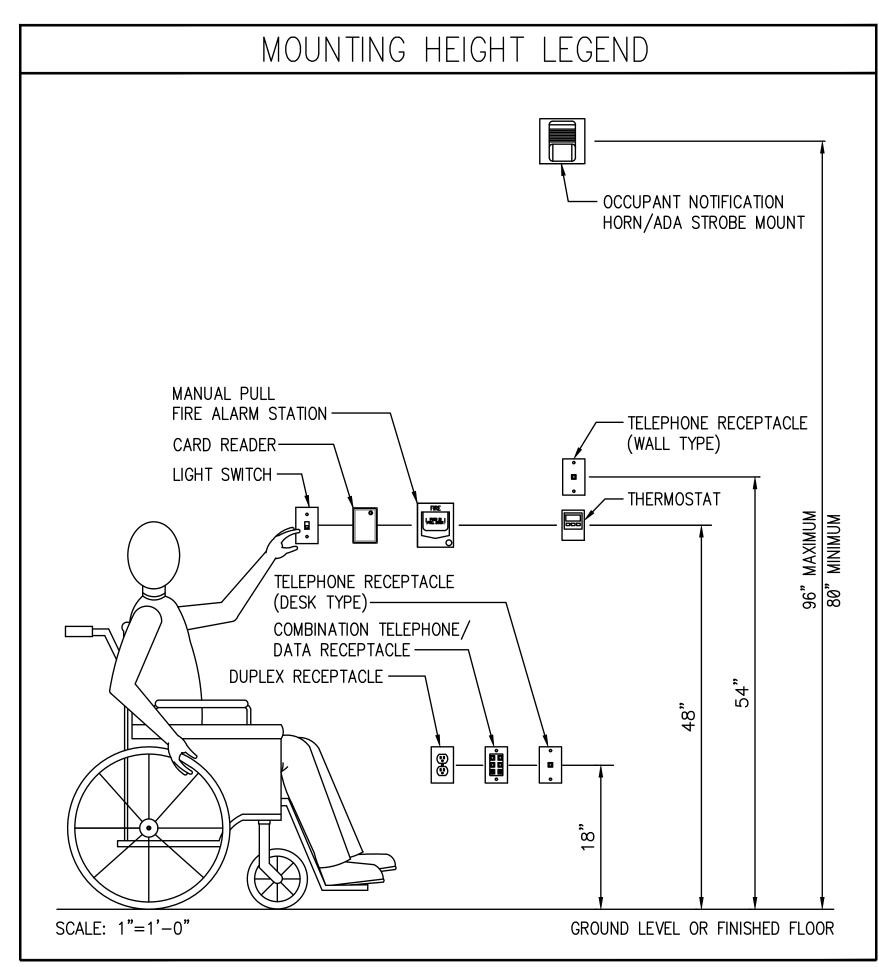
BELLEVUE

OAKLEY

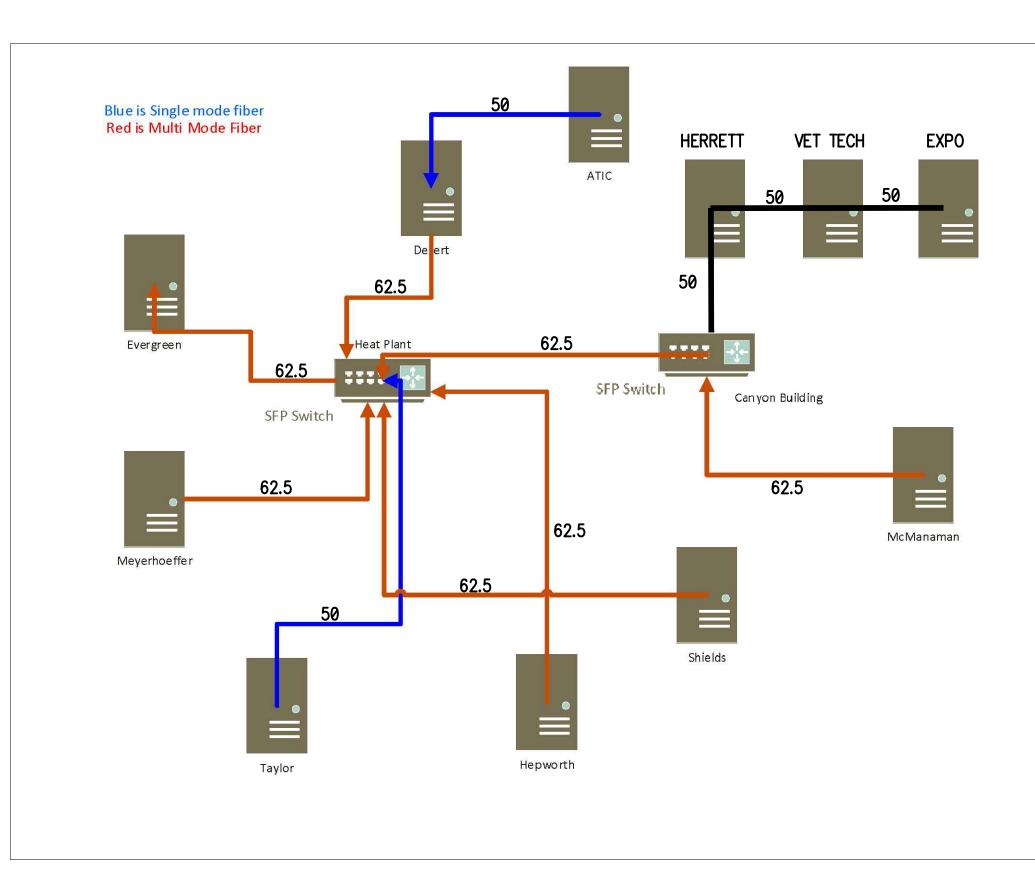
- PROJECT LOCATION

- 1. 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.





MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS



FIBER MAP SCALE: NTS

ABBREVIATIONS AMPERE(S) ALUMINUM AMPERE INTERRUPTING CAPACITY AIC AWG AMERICAN WIRE GAUGE BARE COPPER CONDUIT CIRCUIT BREAKER CB CKT CIRCUIT CT CURRENT TRANSFORMER COPPER DISC DISCONNECT DWG DRAWING ELECTRICAL METALLIC TUBING FREQUENCY IN CYCLES PER SECOND FUSE FUSIBLE SWITCH GEN GFI GENERATOR GROUND FAULT INTERRUPTER GND GROUND HORSEPOWER HIGH PRESSURE SODIUM INTERMEDIATE METALLIC CONDUIT INC INCANDESCENT KILOVOLT KVA KILOWATT VOLT AMPS KILOWATT(S) KW THOUSAND CIRCULAR MIL(S) LATCH BOLT MONITORING MCA MINIMUM CIRCUIT AMPS MCC MOTOR CONTROL CENTER MAIN LUG ONLY NORMALLY CLOSED NORMALLY OPEN NEC NATIONAL ELECTRIC CODE NOT IN CONTRACT NTS NOT TO SCALE PNL PANEL PVC POLYVINYL CHLORIDE QEL MOTORIZED PUSH PAD HARDWARE RGS RIGID GALVANIZED STEEL RX REQUEST TO EXIT SWBD SWITCHBOARD XMFR TRANSFORMER TYP **TYPICAL** UNDERGROUND UNLESS NOTED OTHERWISE

UNINTERRUPTED POWER SYSTEM

VOLT(S)

VOLTAMP(S)

WATT(S) WEATHER PROOF

DATA/COMMUNICATIONS LEGEND DATA JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. DATA/COMM QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE (ROUGH IN ONLY, NO CABLES) SURFACE RACEWAY DATA/COMM/POWER FLOOR BOX 19" 4 POST NETWORK RACK 19" 2 POST NETWORK RACK WALL MOUNTED NETWORK RACK

NOTE:	ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT
	SECURITY LEGEND
□¢	BULLET CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
Q	DOME CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
· 读 -	PANORAMIC CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT
CR	CARD READER
ESS	ELECTRIC STRIKE - SURFACE
ESR	ELECTRIC STRIKE - RECESSED IN FRAME
ECB	ELECTRIC CRASH BAR
DC	DOOR CONTACT
ETH	ENERGY TRANSFER HINGE
EPT	ENERGY POWER TRANSFER
WDC	WIRELESS DOOR CONTACT
MRX	MOTION SENSOR REQUEST TO EXIT
RX	REQUEST TO EXIT
•	PANIC BUTTON
WHS	WIRELESS HANDLE SET
HS	HANDLE SET
PS	POWER SUPPLY
ADA	ADA ACTUATOR BUTTON
ADO	AUTOMATIC DOOR OPENER

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

-	
	POWER LEGEND
\$ <u>e</u>	MANUAL MOTOR STARTER SWITCH
	TIMECLOCK
C	CONTACTOR
IC	IRRIGATION CONTROL PANEL
DS ^J XP-XA-X	DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED
F XP-XA-X XA FUSES	FUSED DISCONNECT SWITCH POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED
•	THERMOSTAT, AT +48 INCHES
∅	MOTOR F INDICATES FAN (FRACTIONAL HORSEPOWER) # INDICATES MOTOR SIZE (IN HORSEPOWER)
	JUNCTION BOX
S	RECESSED AUDIO SPEAKER
\bigcirc	VOLUME CONTROL, AT +48 INCHES
	ELECTRICAL PANEL
-w-	SURFACE RACEWAY
GFI C ⇒ SPD WP	DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
GFI C =⊕ SPD WP	DOUBLE DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
Φ©	DATA/COMM/POWER FLOOR BOX
REB	RECESSED ENTERTAINMENT BOX
CR	CARD READER BOX
(TV)	TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION
	30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION
•	50A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

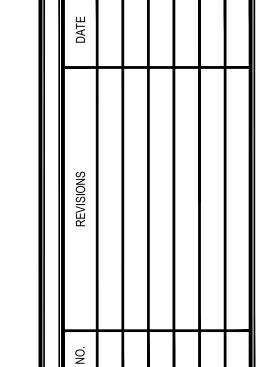
NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT



S

ROJECT	B18-112
RAWN	DBH
HECKED	MNB
ATE	JULY 2024
CALE	V C CHU/W







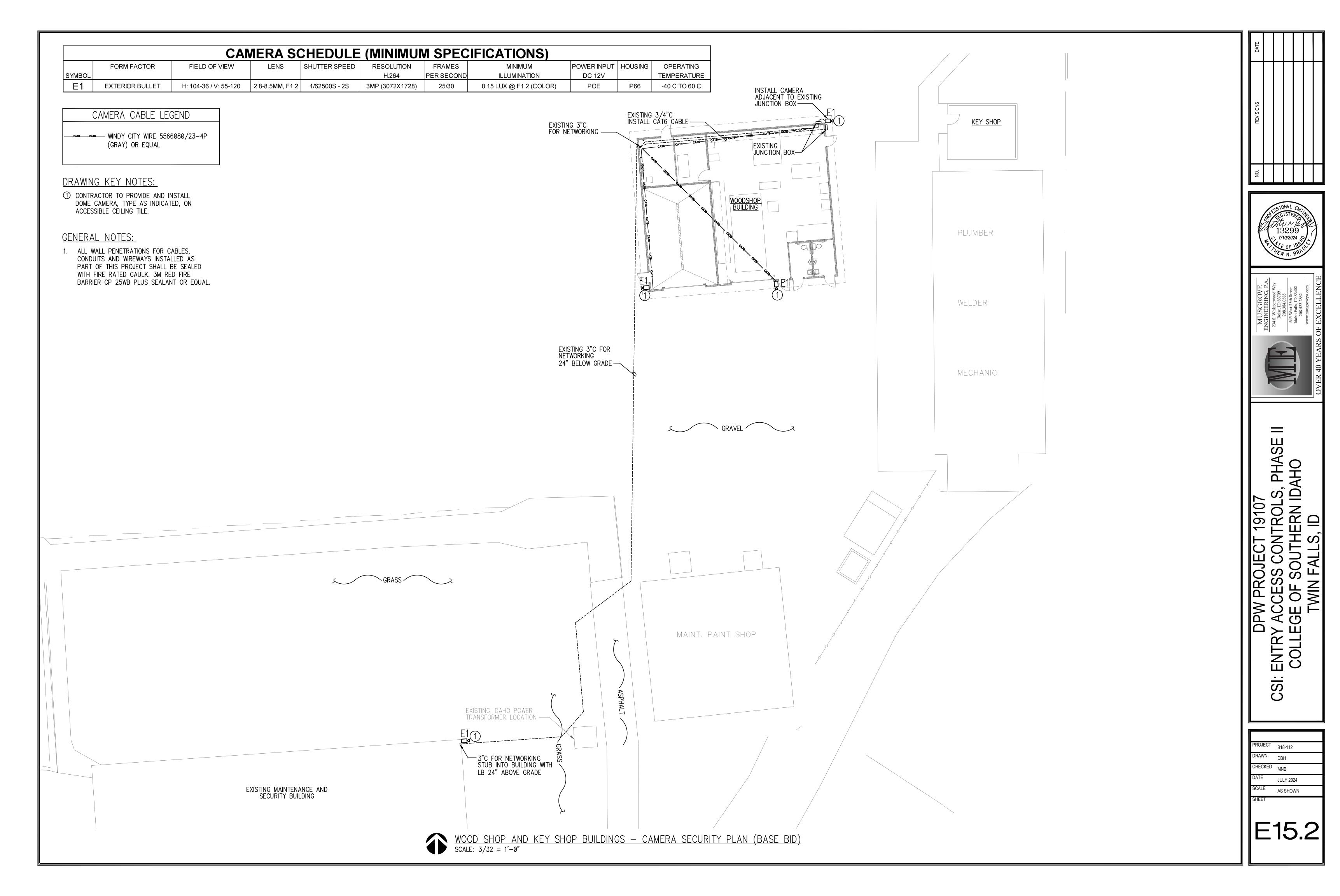


SE 古 I: ENTRY ACCESS CONTROLS, F COLLEGE OF SOUTHERN IDAI TWIN FALLS, ID

ROJECT B18-112 JULY 2024

AS SHOWN

E15.1



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

DUBOIS

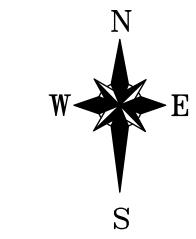
BLACKFOOT

POCATELLO

SUTAH

REXBURG

IDAHO FALLS



LIST OF DRAWINGS

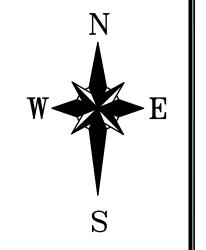
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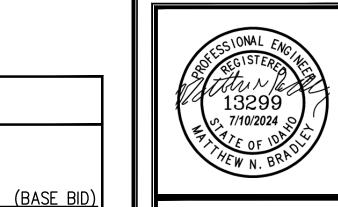
E14.1 ACCESS CONTROL PLAN E14.2 SECURITY CAMERA PLAN

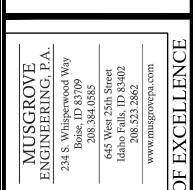
T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

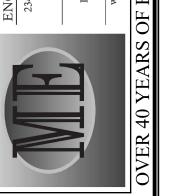
IDAHO ENERGY CONSERVATION COED - 2018 OF IDAHO

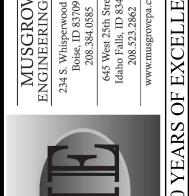
NATIONAL ELECTRIC CODE - 2017 OF IDAHO

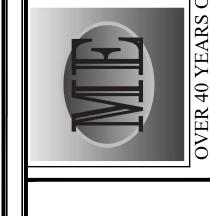


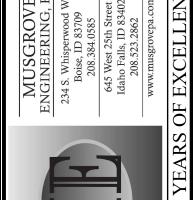












古 SS CONTROLS, SOUTHERN IDA V FALLS, ID

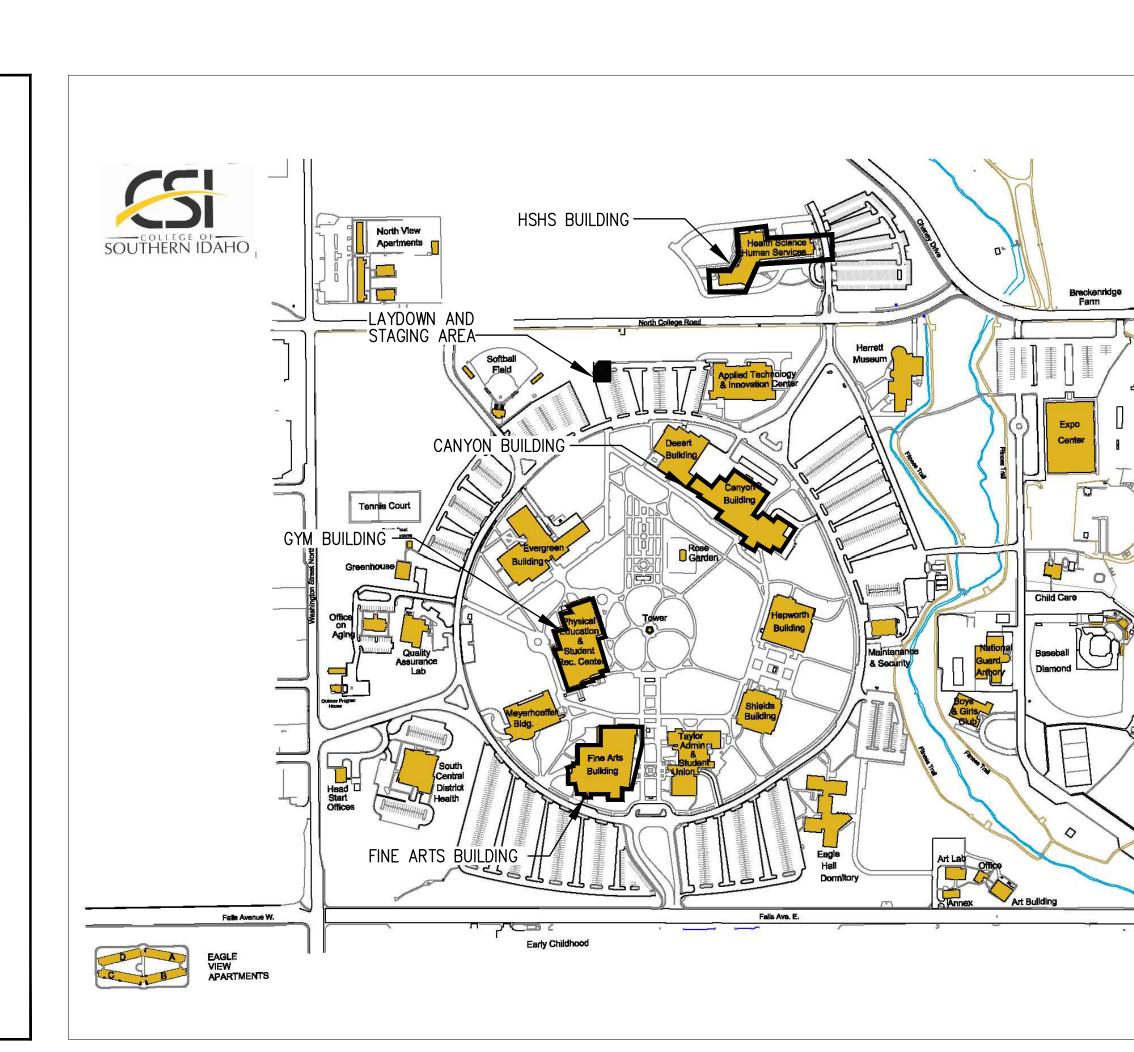
ENTRY ACCESS
COLLEGE OF S
TWIN F DP

JULY 2024

AS SHOWN

CSI:

T1.0



COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

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

OREGON

CALDWELL

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:

SCALE: NTS

TWIN FAL

JACKPOT

LOCATION MAP

LEGEND

MOUNTAIN

IDAHO

CHALLIS

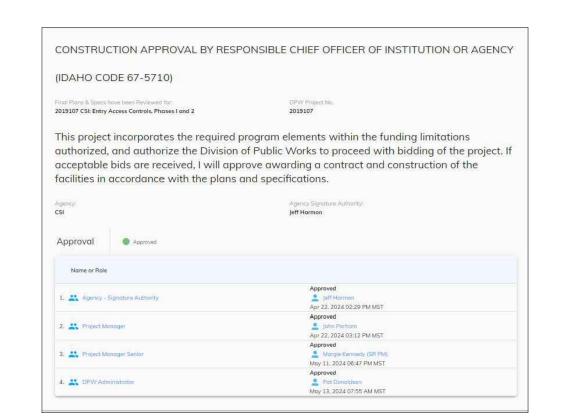
SUN VALLEY

BELLEVUE

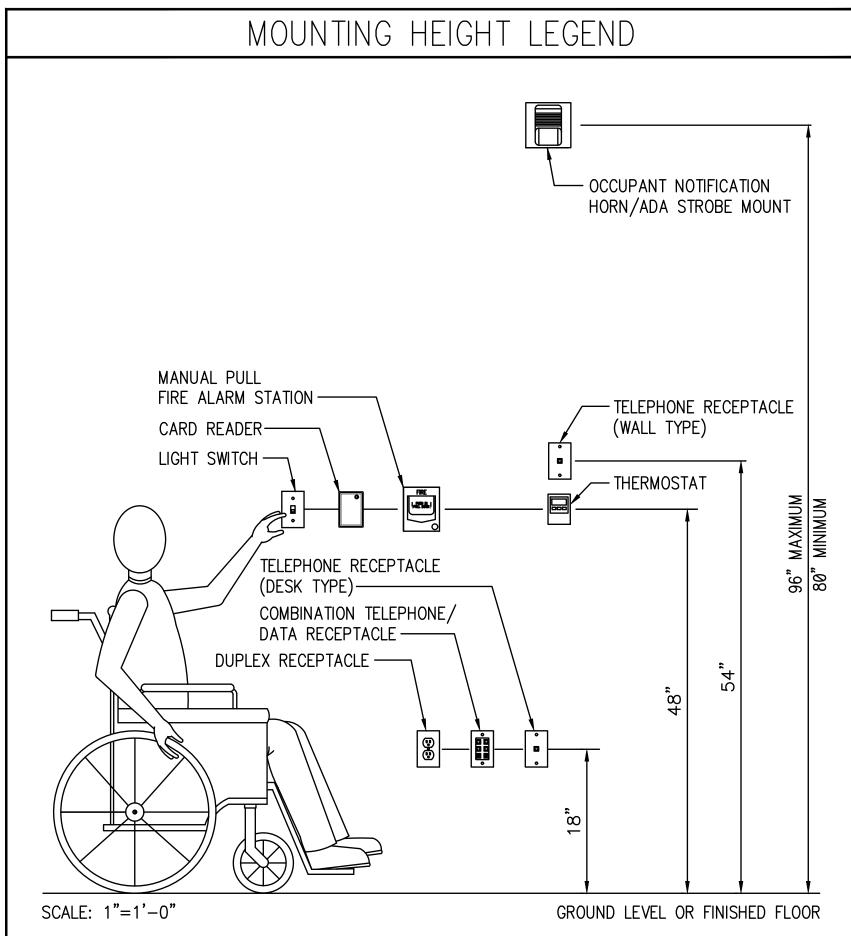
OAKLEY

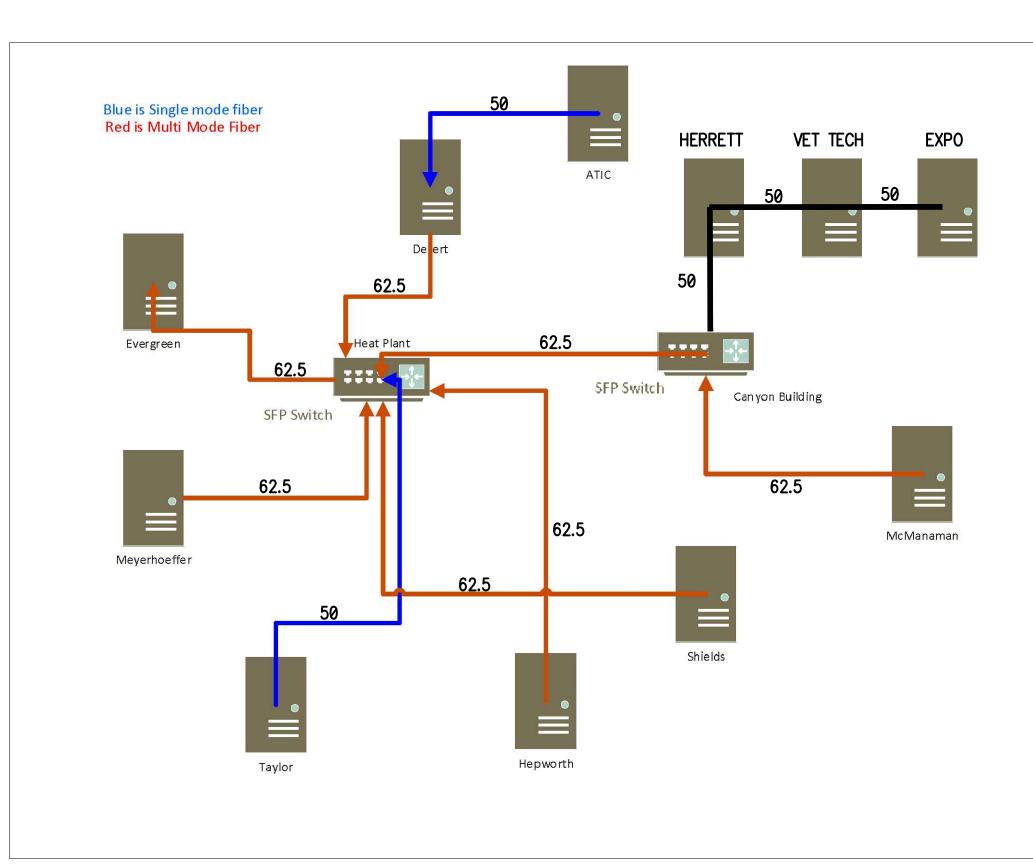
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- PROJECT LOCATION



" June 2015





FIBER MAP SCALE: NTS

PNL PVC QEL RGS RX SWBD XMFR TYP MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS

DATA/COMMUNICATIONS LEGEND ABBREVIATIONS AMPERE(S) DATA JACK, +18" UNLESS NOTED OTHERWISE ALUMINUM # INDICATES QUANTITY OF STRUCTURED CABLES AMPERE INTERRUPTING CAPACITY AIC TERMINATING ON RJ45 JACK(S) AT FACEPLATE. AWG AMERICAN WIRE GAUGE BARE COPPER DATA/COMM QUANTITY OF STRUCTURED CABLES CONDUIT TERMINATING ON RJ45 JACK(S) AT FACEPLATE. CB CIRCUIT BREAKER CKT CIRCUIT COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE CT CURRENT TRANSFORMER # INDICATES QUANTITY OF STRUCTURED CABLES COPPER TERMINATING ON RJ45 JACK(S) AT FACEPLATE. DISC DISCONNECT DWG DRAWING ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE ELECTRICAL METALLIC TUBING (ROUGH IN ONLY, NO CABLES) FREQUENCY IN CYCLES PER SECOND **FUSE** SURFACE RACEWAY FUSIBLE SWITCH GEN GENERATOR DATA/COMM/POWER FLOOR BOX GROUND FAULT INTERRUPTER GND GROUND 19" 4 POST NETWORK RACK HORSEPOWER HIGH PRESSURE SODIUM 19" 2 POST NETWORK RACK INTERMEDIATE METALLIC CONDUIT INCANDESCENT WALL MOUNTED NETWORK RACK KILOVOLT KILOWATT VOLT AMPS KILOWATT(S) KW THOUSAND CIRCULAR MIL(S) LATCH BOLT MONITORING MINIMUM CIRCUIT AMPS MCC MOTOR CONTROL CENTER MAIN LUG ONLY □□□ BULLET CAMERA NORMALLY CLOSED 1 GRAY CAT6 CABLE NORMALLY OPEN c — CEILING MOUNT NATIONAL ELECTRIC CODE w - WALL MOUNT NOT IN CONTRACT WP - WEATHERPROOF NTS NOT TO SCALE PANEL

POLYVINYL CHLORIDE

REQUEST TO EXIT

SWITCHBOARD

TRANSFORMER

UNDERGROUND

TYPICAL

VOLT(S)

VOLTAMP(S)

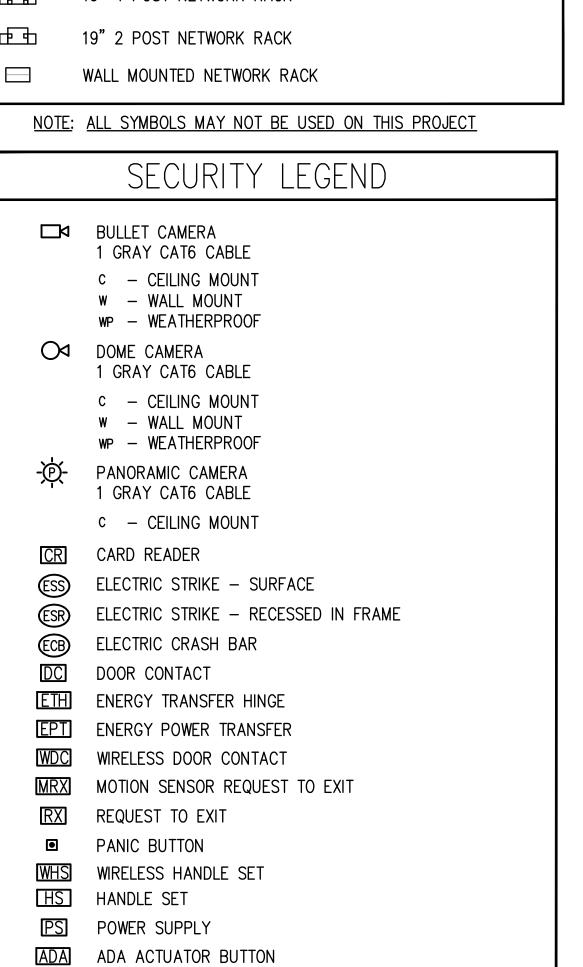
WATT(S) WEATHER PROOF

RIGID GALVANIZED STEEL

UNLESS NOTED OTHERWISE

UNINTERRUPTED POWER SYSTEM

MOTORIZED PUSH PAD HARDWARE



NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

ADO AUTOMATIC DOOR OPENER

	POWER LEGEND
\$ <u>e</u>	MANUAL MOTOR STARTER SWITCH
	TIMECLOCK
C	CONTACTOR
[C]	IRRIGATION CONTROL PANEL
DS ^J XP-XA-X	DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED
FJXP-XA-X XA FUSES	FUSED DISCONNECT SWITCH POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED
①	THERMOSTAT, AT +48 INCHES
∅	MOTOR F INDICATES FAN (FRACTIONAL HORSEPOWER) # INDICATES MOTOR SIZE (IN HORSEPOWER)
0	JUNCTION BOX
S	RECESSED AUDIO SPEAKER
\Diamond	VOLUME CONTROL, AT +48 INCHES
	ELECTRICAL PANEL
—w—	SURFACE RACEWAY
GFI C ⇒ SPD WP	DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
GFI C =⊕ SPD WP	DOUBLE DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
Φ©	DATA/COMM/POWER FLOOR BOX
REB	RECESSED ENTERTAINMENT BOX
[CR]	CARD READER BOX
₩	TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION
\times	30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION
•	50A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

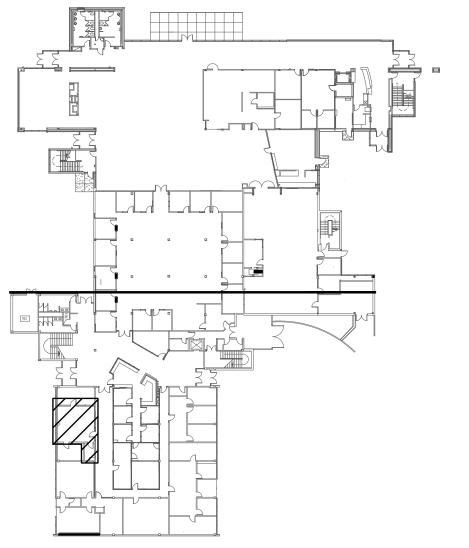
PRIOR TO INSTALLATION

퓹 ROJECT 19107 SS CONTROLS, SOUTHERN IDA V FALLS, ID DPW PROJEC ENTRY ACCESS (COLLEGE OF SO TWIN FA CSI:

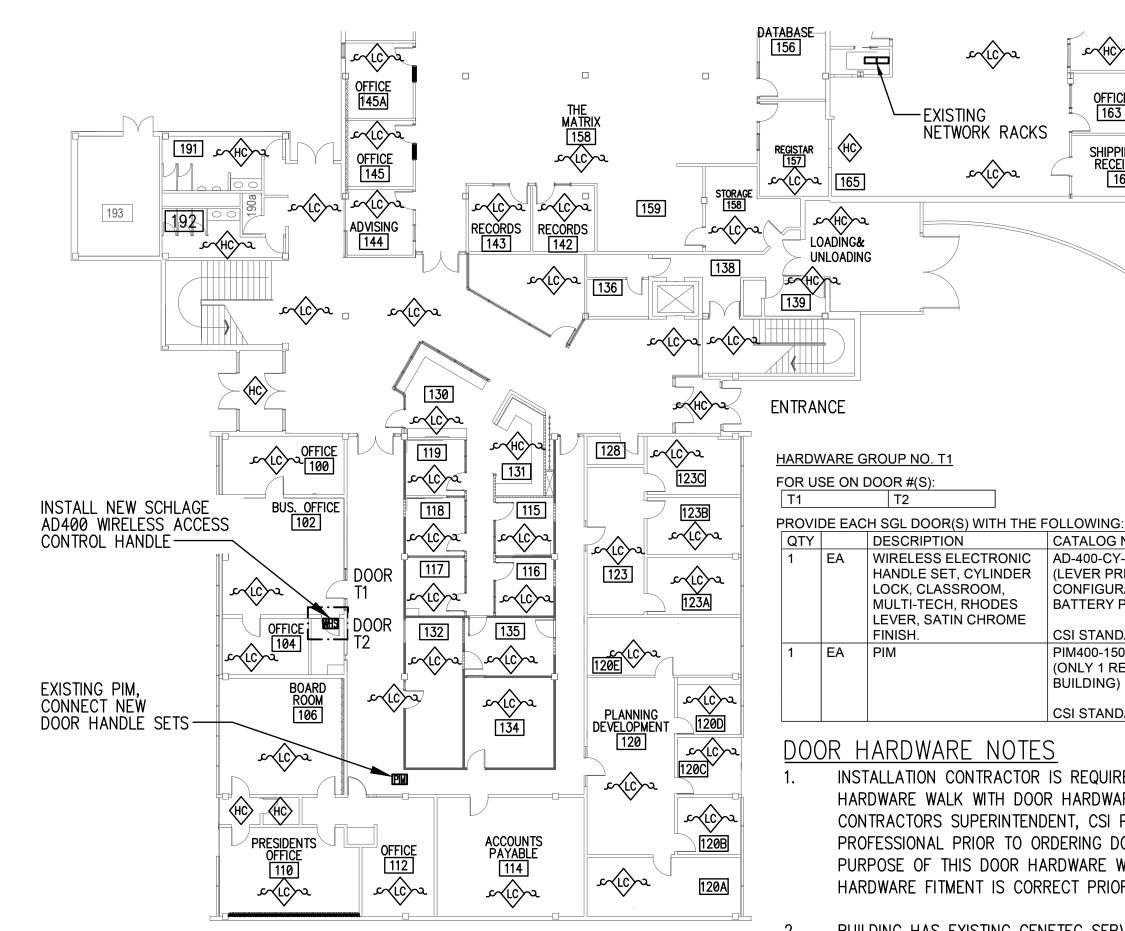
S

B18-112 JULY 2024

AS SHOWN



TAYLOR ADMIN & STUDENT UNION BUILDING — 1ST FLOOR scale: nts



CEILING TYPE LEGEND

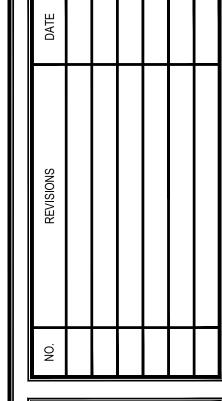
LAY-IN CEILING



STRUCTURAL CEILING

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









SE SE

CSI: ENTRY ACCESS CONTROLS, PHA:
COLLEGE OF SOUTHERN IDAHO
TWIN FALLS, ID

ROJECT B18-112 JULY 2024 AS SHOWN

E14.1

TAYLOR ADMIN & STUDENT UNION BUILDING — 1ST FLOOR ACCESS CONTROL PLAN (BASE BID)

BUILDING TASÚ

BUILDING TASÚ

s (H)

CATALOG NUMBER

BUILDING)

HARDWARE WALK WITH DOOR HARDWARE DISTRIBUTOR, INSTALLING

HARDWARE FITMENT IS CORRECT PRIOR TO ORDERING.

BOOK STORE. CONNECT NEW PIM TO EXISTING SYSTEM

INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR

PURPOSE OF THIS DOOR HARDWARE WALK IS TO VERIFY THAT THE DOOR

PROFESSIONAL PRIOR TO ORDERING DOOR HARDWARE AND INSTALLATION. THE

BUILDING HAS EXISTING GENETEC SERVER INSTALLED 2 POST RACK ADJACENT

CONTRACTORS SUPERINTENDENT, CSI PROJECT MANAGER, AND DESIGN

CONFIGURATION AS REQ) BATTERY POWERED

(ONLY 1 REQUIRED IN TAYLOR

CSI STANDARDIZED PRODUCT

WIRELESS ELECTRONIC AD-400-CY-50-MT-RHO,626 (LEVER PREP AND

FINISH MFR

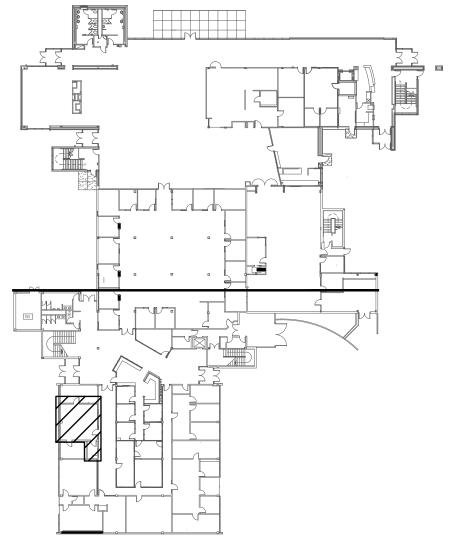
№ 626

حرزوكم

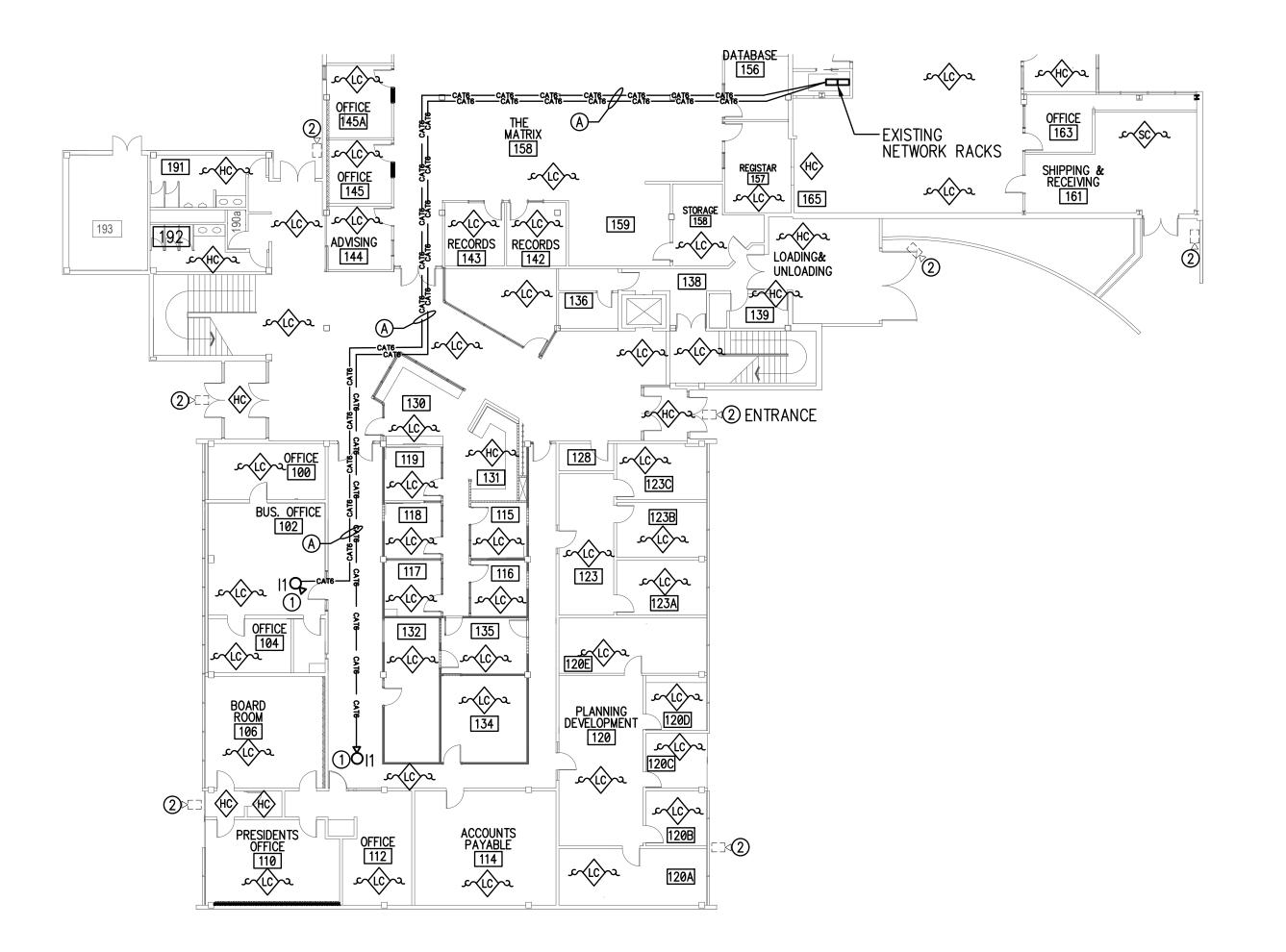
NETWORK RACKS

DESCRIPTION

LOCK, CLASSROOM, MULTÍ-TECH, RHODÉS LEVER, SATIN CHROME







TAYLOR ADMIN & STUDENT UNION BUILDING — 1ST FLOOR SECURITY CAMERA PLAN (BASE BID)

SCALE: 1/16 = 1'-0"

BUILDING TASU

CAMERA SCHEDULE (MINIMUM SPECIFICATIONS)											
	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION	FRAMES	MINIMUM	POWER INPUT	HOUSING	OPERATING	
SYMBOL					H.264	PER SECOND	ILLUMINATION	DC 12V		TEMPERATURE	
l1	INTERIOR FIXED DOME	H: 105-36 / V: 57-21	3-9 MM, F1.3	1/62500S - 2S	3MP (1920X1080)	30	.07 LUX @ F1.6 (COLOR)	POE	IP52	-50 C TO 60 C	

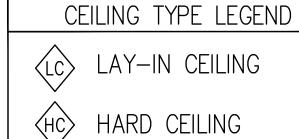
NEW CAMERA KEY NOTES:

(A) ACCESS CONTROL AND SECURITY CAMERA CABING 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.

EXISTING CAMERA TO REMAIN.





CAMERA SYSTEM NOTES

1. BUILDING HAS EXISTING GENETEC SERVER INSTALLED 2
POST RACK ADJACENT BOOK STORE. CONNECT NEW
CAMERAS TO EXISTING SYSTEM

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.

CAMERA CABLE LEGEND

— CAT6 — WINDY CITY WIRE 5566080/23-4P (GRAY) OR EQUAL FOR EACH CAMERA

NO. REVISIONS DATE







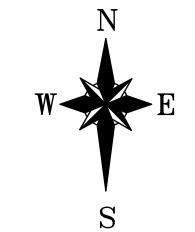
CSI: ENTRY ACCESS CONTROLS, PHASE COLLEGE OF SOUTHERN IDAHO TWIN FALLS, ID

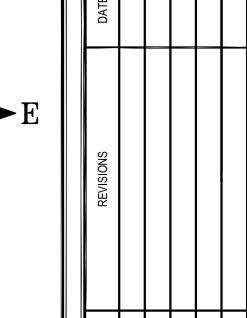
ROJECT B18-112

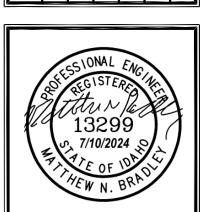
RAWN DBH
HECKED MNB
ATE JULY 2024
CALE AS SHOWN

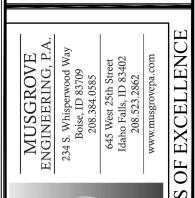
E14.2

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













Fiber optic wire to be installed per NEC 770. Penetrations thru walls, floors and ceilings to be fire caulked per NEC 300.21

IDAHO ENERGY CONSERVATION COED - 2018 OF IDAHO

LIST OF DRAWINGS

HUMAN SERVICE AND HEALTH SCIENCES BUILDING (ALTERNATE #2)

T1.0 ELECTRICAL TITLE SHEET

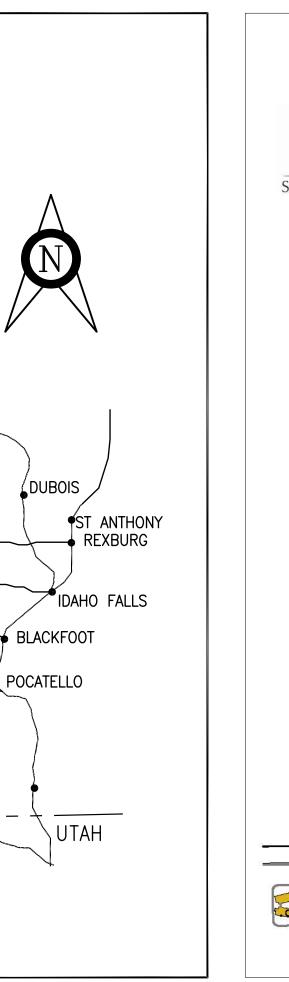
ACCESS CONTROL PLAN ACCESS CONTROL PLAN SECURITY CAMERA PLAN

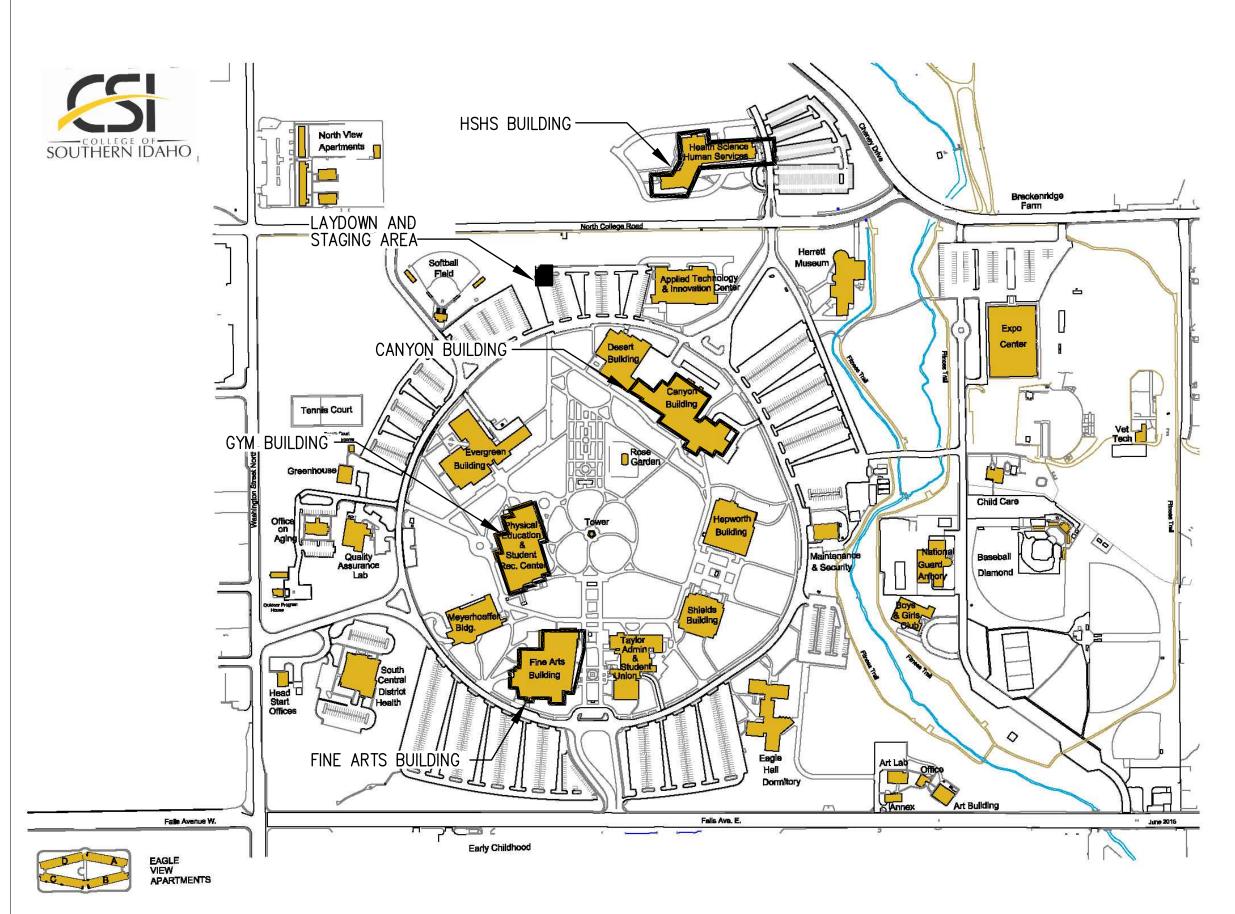
T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially code compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

Construction Safeguards
Construction safeguards shall be required for any and all demolition and or construction to ensure public safety. Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure. All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.





COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

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

CALDWELL BOISE

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

OREGON

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

PROJECT GENERAL NOTES:

SCALE: NTS

GOODING

TWIN FALL

JACKPOT

LOCATION MAP

LEGEND

MOUNTAIN

IDAHO

NEVADA

CHALLIS

SUN VALLEY

BELLEVUE

RUPERT

BURLEY

-PROJECT LOCATION

OAKLEY

- 1. ALL BUILDINGS ON CSI CAMPUS ARE TO REMAIN 100% OWNER OCCUPIED. BUILDING EXITING AND SECURITY SHALL BE MAINTAINED DURING CONSTRUCTION.
- 2. 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.

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CONSTRUCTION APPROVAL BY RESP	PONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENC
(IDAHO CODE 67-5710)	
Final Plans & Specs have been Reviewed for: 2019107 CSI: Entry Access Controls, Phases I and 2	DPW Project No. 2019107
	of Public Works to proceed with bidding of the project. brove awarding a contract and construction of the and specifications. Agency Signature Authority. Jeff Harmon
Approved Approved	
Approval Approved Name or Role	
	Approved Jeff Harmon Apr 22, 2024 02:29 PM MST
Name or Role	_ Jeff Harmon
Name or Role 1. Agency - Signature Authority	■ Jeff Harmon Apr 22, 2024 02:29 PM MST Approved ■ John Parhom

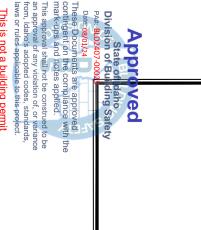
古 \square I: ENTRY ACCESS CONTROLS
COLLEGE OF SOUTHERN ID
TWIN FALLS, ID

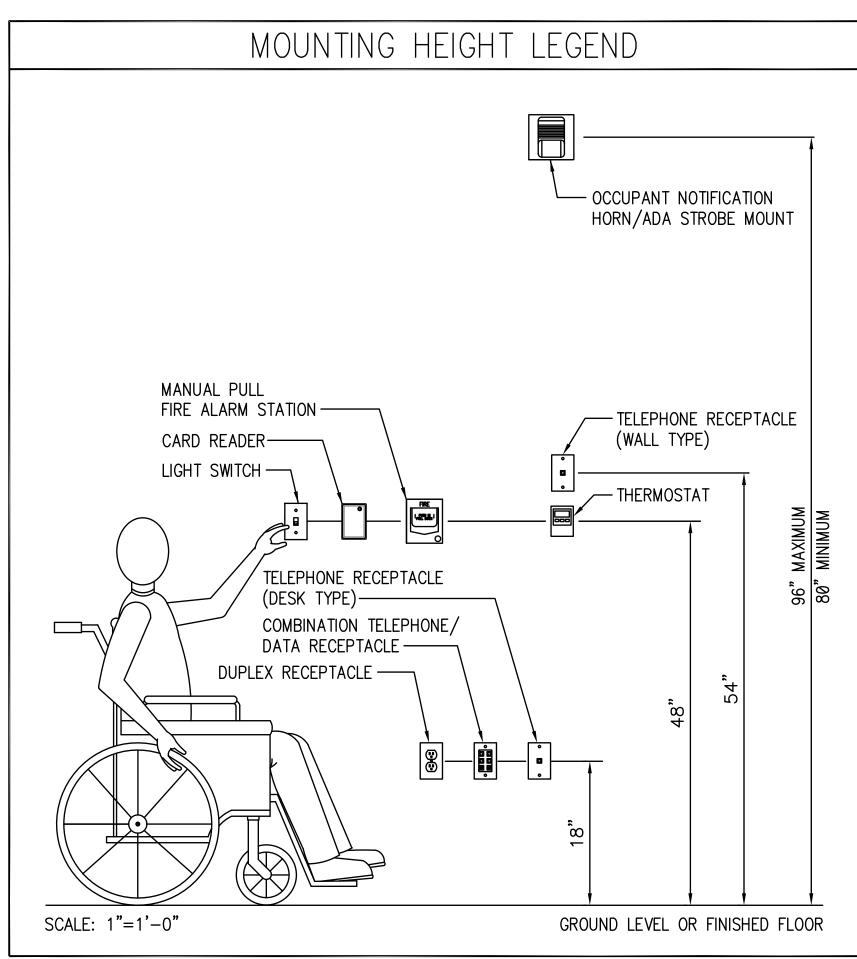
OJECT B18-112 CHECKED MNB JULY 2024

AS SHOWN

CSI:

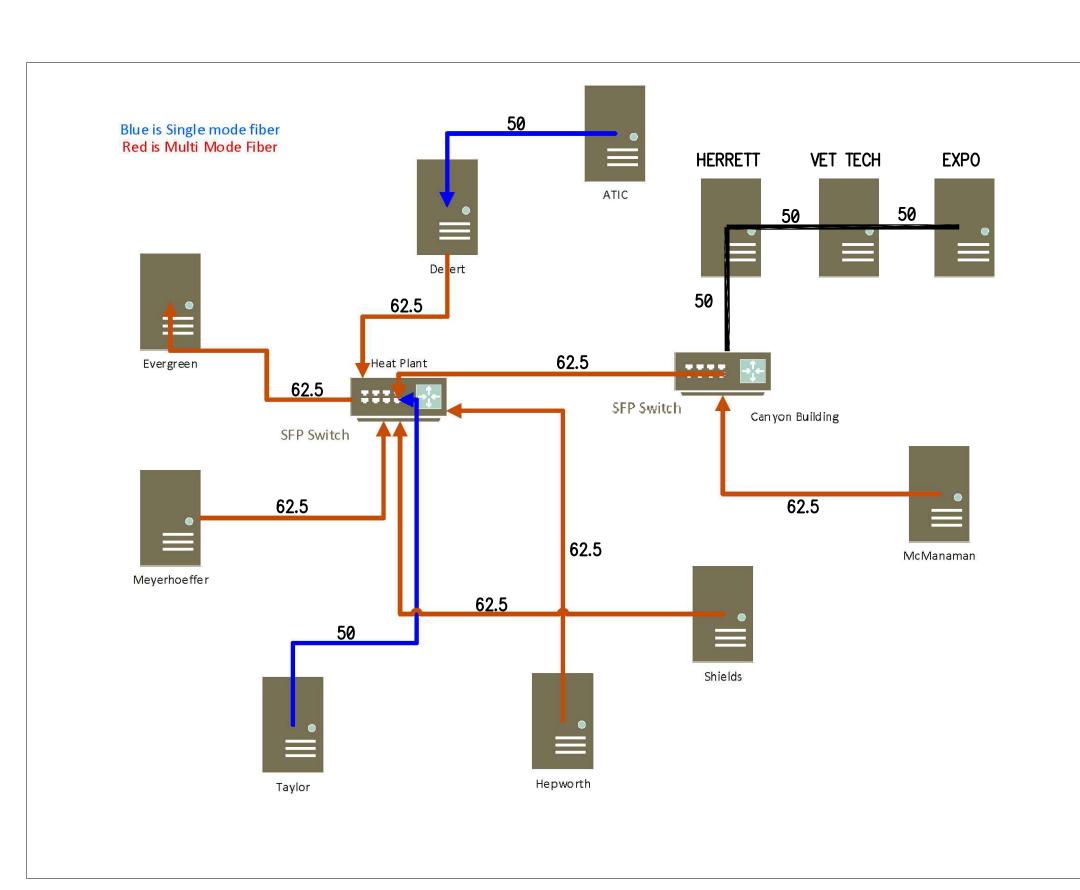
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MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS

All reach ranges to be as per the 2009 ANSI A117.1



FIBER MAP SCALE: NTS

ABBREVIATIONS AMPERE(S) ALUMINUM AMPERE INTERRUPTING CAPACITY AIC AWG AMERICAN WIRE GAUGE BARE COPPER CONDUIT CB CIRCUIT BREAKER CIRCUIT CKT CURRENT TRANSFORMER COPPER DISC DISCONNECT DRAWING ELECTRICAL METALLIC TUBING FUSE FUSIBLE SWITCH GEN GFI GND GENERATOR GROUND FAULT INTERRUPTER GROUND HORSEPOWER HIGH PRESSURE SODIUM INTERMEDIATE METALLIC CONDUIT INCANDESCENT KILOVOLT KILOWATT VOLT AMPS KILOWATT(S) THOUSAND CIRCULAR MIL(S) LATCH BOLT MONITORING MINIMUM CIRCUIT AMPS MOTOR CONTROL CENTER MAIN LUG ONLY NORMALLY CLOSED NORMALLY OPEN NATIONAL ELECTRIC CODE

TYP

TYPICAL

VOLT(S)

VOLTAMP(S)

WATT(S)
WEATHER PROOF

UNDERGROUND

UNLESS NOTED OTHERWISE

UNINTERRUPTED POWER SYSTEM

DATA/COMMUNICATIONS LEGEND (ROUGH IN ONLY, NO CABLES) FREQUENCY IN CYCLES PER SECOND SURFACE RACEWAY DATA/COMM/POWER FLOOR BOX 19" 4 POST NETWORK RACK 19" 2 POST NETWORK RACK æ þ WALL MOUNTED NETWORK RACK NOT IN CONTRACT NTS NOT TO SCALE PNL PANEL POLYVINYL CHLORIDE PVC QEL MOTORIZED PUSH PAD HARDWARE RIGID GALVANIZED STEEL RGS REQUEST TO EXIT RX SWITCHBOARD SWBD XMFR TRANSFORMER

DATA JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. DATA/COMM QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE

	WALL MOONTED HETWORK TOTAL
NOTE:	ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT
	SECURITY LEGEND
	BULLET CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
Od	DOME CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
-\doc{\phi}-	PANORAMIC CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT
CR	CARD READER
ESS	ELECTRIC STRIKE - SURFACE
ESR	ELECTRIC STRIKE - RECESSED IN FRAME
ECB	ELECTRIC CRASH BAR
DC	DOOR CONTACT
ETH	ENERGY TRANSFER HINGE
EPT	ENERGY POWER TRANSFER
WDC	WIRELESS DOOR CONTACT
MRX	MOTION SENSOR REQUEST TO EXIT
RX	REQUEST TO EXIT
•	PANIC BUTTON
WHS	WIRELESS HANDLE SET
HS	
PS ADA	POWER SUPPLY
ADA	ADA ACTUATOR BUTTON

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

ADO AUTOMATIC DOOR OPENER

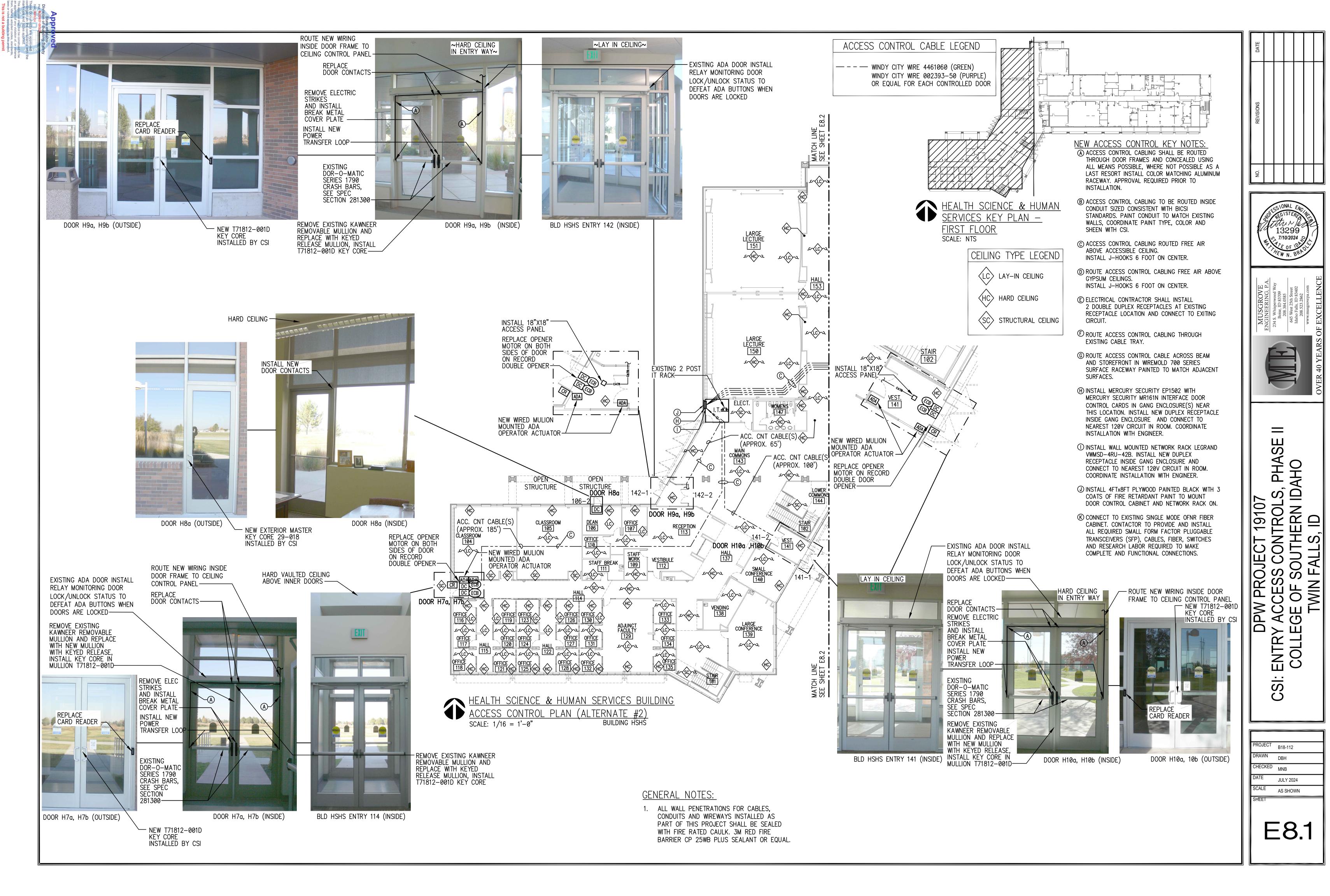
	POWER LEGEND
\$ <u>e</u>	MANUAL MOTOR STARTER SWITCH
	TIMECLOCK
C	CONTACTOR
IC	IRRIGATION CONTROL PANEL
DS ^I XP-XA-X	DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED
FJXP-XA-X XA FUSES	FUSED DISCONNECT SWITCH POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED
•	THERMOSTAT, AT +48 INCHES
∅	MOTOR F INDICATES FAN (FRACTIONAL HORSEPOWER) # INDICATES MOTOR SIZE (IN HORSEPOWER)
()	JUNCTION BOX
S	RECESSED AUDIO SPEAKER
\bigcirc	VOLUME CONTROL, AT +48 INCHES
	ELECTRICAL PANEL
— w —	SURFACE RACEWAY
GFI C ⇒ SPD WP	DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
GFI C =⊕ SPD WP	DOUBLE DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
Φ©	DATA/COMM/POWER FLOOR BOX
REB	RECESSED ENTERTAINMENT BOX
CR	CARD READER BOX
TV	TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION
©	30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION
•	50A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

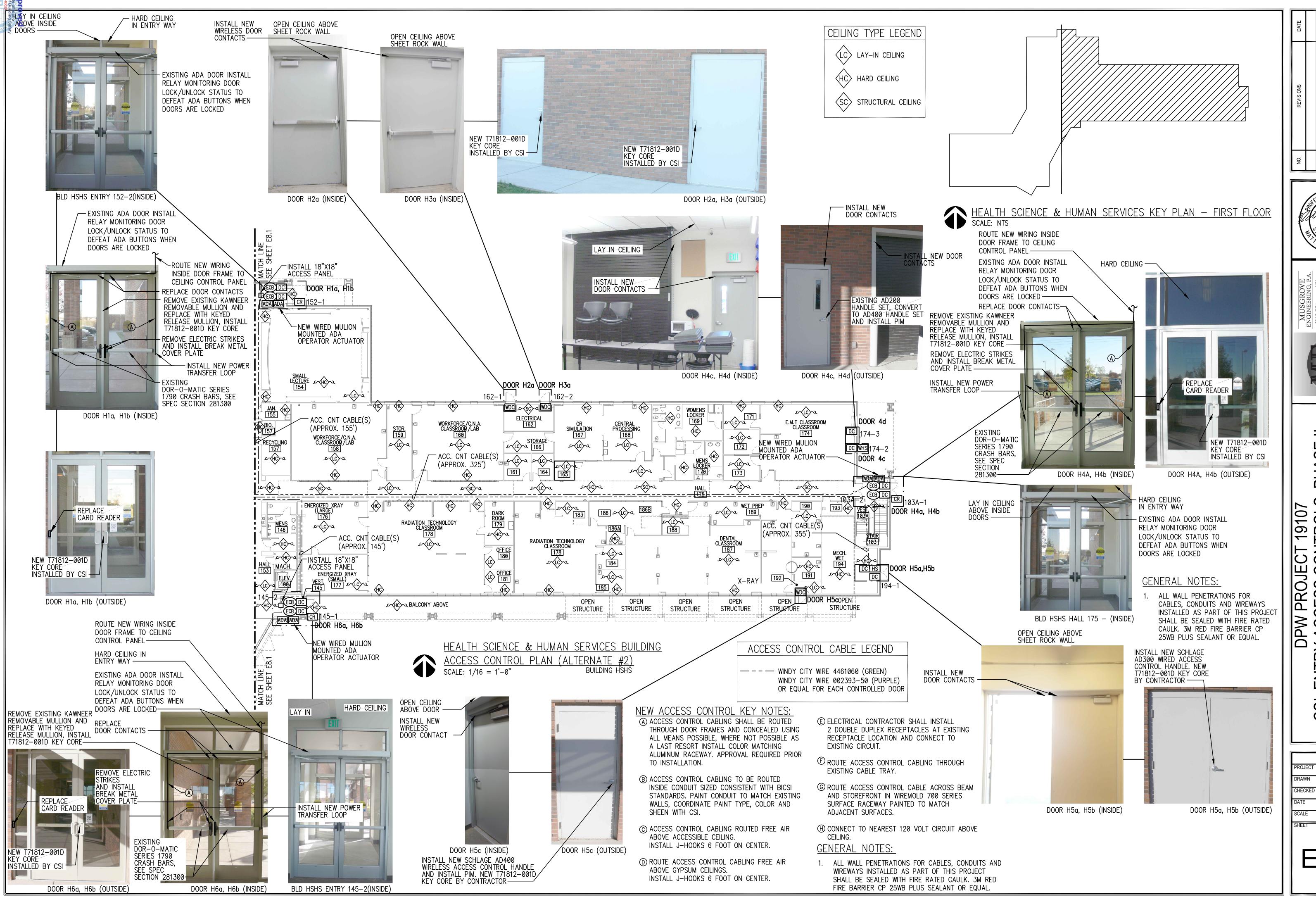
NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

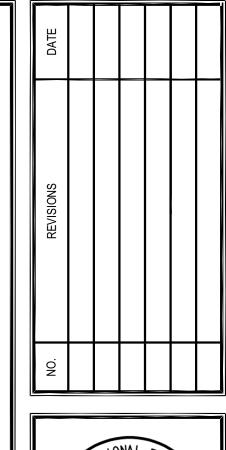
S E AH 퓹 I: ENTRY ACCESS CONTROLS, F COLLEGE OF SOUTHERN IDA TWIN FALLS, ID

> ROJECT B18-112 JULY 2024 AS SHOWN

CSI:













S AH **D** 1916 JATROL JTHERN LS, ID 7 NO SON / PROJE(CESS C(DPW PROMY ACCES TEGE OF STANIN ENTRY, COLLE(<u>S</u>:

> B18-112 CHECKED MNB JULY 2024

> > AS SHOWN

E8.2



	CAMERA SCHEDULE (MINIMUM SPECIFICATIONS)											
	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION	FRAMES	MINIMUM	POWER INPUT	HOUSING	OPERATING		
SYMBOL					H.264	PER SECOND	ILLUMINATION	DC 12V		TEMPERATURE		
I 1	INTERIOR FIXED DOME	H: 105-36 / V: 57-21	3-9 MM, F1.3	1/62500S - 2S	3MP (1920X1080)	30	.07 LUX @ F1.6 (COLOR)	POE	IP52	-50 C TO 60 C		

SECURITY CAMERA KEY NOTES:

- (A) 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:

CEILING TYPE LEGEND

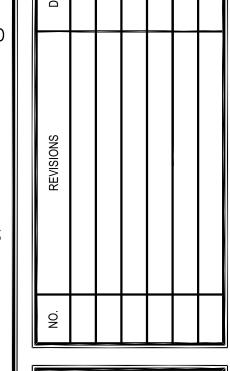
(LC) LAY-IN CEILING

CAMERA CABLE LEGEND

— cat6 — WINDY CITY WIRE 5566080/23-4P

(GRAY) OR EQUAL FOR EACH CAMERA

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.







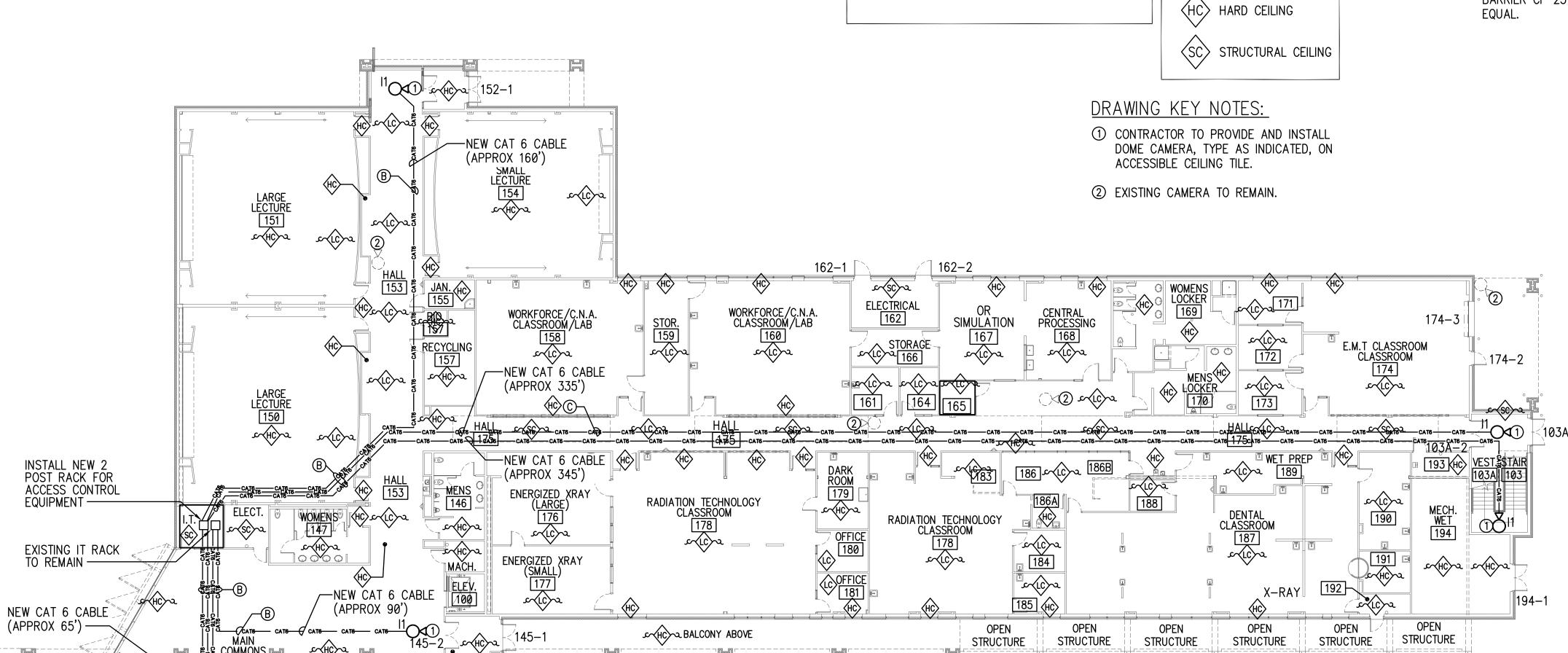
S DPW PROJECT 19107
I: ENTRY ACCESS CONTROLS, PHA
COLLEGE OF SOUTHERN IDAHO
TWIN FALLS, ID

B18-112 JULY 2024

CSI:

E8.3

AS SHOWN



OPEN STRUCTURE

NEW CAT 6 CABLE (APPROX 190')

DOOR 10a,10b



HARDWARE GROUP NO. H1:

HARDV	VARE G	SROUP NO. H1:							
FOR U	SE ON I	DOOR #(S):							
H1a,	b	H4a, b	H6a, b		H7a, b	H9a, b		H10	a, b
QTY		DESCRIPTION		CATALO	OG NUMBER		FINISH	MFR	
2	EA	ELECTRIFIED LATO RETRACTION DEVI WITH BUILT IN REG TO EXIT AND FIELD INSTALLED LATCH MONITOR KIT	CE QUEST)	PD10-M PD10RE PD10LE	AND ACCESS I-PTS-VD EXKIT-ED – RX I IMKIRT-ED – LX ANDARDIZED P	KIT	*		CAT
2	EA	POWER TRANSFER LOOP, BLACK END			CURITY PT-2 ANDARDIZED P	RODUCT	×	STAIN LESS STEEL	SDC
1	EA	MULTI-TECH READ	ER	SCHLAG MT11 12 CSI STA		RODUCT	*	BLK	SCE
2	EA	WIRED DOOR CON	TACT	PROVIE SYSTEM FIELD V	H 1078/107 SEF DED BY SECUR M INSTALLER /ERIFY SIZE AN	ITY ID SERIES	*	WHITE	ARI
2	EA	WIRED JAB MOUNT AUTOMATIC OPER ACTUATOR		LCN 83	10-818T ANDARDIZED P	RODUCT	N	STAIN LESS STEEL	LCN
1	EA	DOUBLE DOOR AUTOMATIC OPER	ATOR	RECOR	D HA-9		×	AL	REC

HARDWARE GROUP NO. H2:

EOD LISE ON DOOD #(S)	1 1/ \1	(0 11)	· · · · —	<u> </u>	
EOD HOE ON DOOD WO					
EOD HOE ON BOOD WO					
	_	_	_		_
		וחור	$- \sim$		#/C\

FOR U	SE ON L	$\frac{1}{2}$)R #(S):								
H2a			Н3а	H5c							
QTY		DE	SCRIPTION		CATALO	OG NUMBER			FIN	ISH	MFR
1	EA		RELESS DOOR ONTACT AND RE	CEIVER	PROVIE SYSTEM PROVIE INOVOM RECEIV	NICS EN1210W DED BY SECURI M INSTALLER. DE AND INSTALI NICS EN4204R PERS AS REQUI ONAL SYSTEM	-	*	WH	ITE	INN
					CSI STA	ANDARDIZED PI	RODUCT				

HARDWARE GROUP NO.H3

FOR USE ON DOOR #(S):

H4c							
QTY		DESCRIPTION		CATALOG NUMBER		FINISH	MFR
1	EA	HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME		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	N		SCE
1	EA	WIRED DOOR CON	TACT	ARITECH 1078/107 SERIES PROVIDED BY SECURITY SYSTEM INSTALLER FIELD VERIFY SIZE AND SERIES CSI STANDARDIZED PRODUCT	*	WHITE	ARI

HARDWARE GROUP NO. H4:

FOR L	ISE ON [DOOR #(S):							
H4d									
QTY		DESCRIPTION	CATALO	OG NUMBER			FIN	ISH	MFR
1	EA	WIRED DOOR CON DOOR TRACK MOU	 WBOX T OE-DC4	TECHNOLOGIE 811	:S	×	AL		WBX
			CSI STA	NDARDIZED F	RODUCT				

HARDWARE GROUP NO.H5

FOR USE ON DOOR #(S):

H5a							
QTY		DESCRIPTION		CATALOG NUMBER		FINISH	MFR
1	EA	WIRED ELECTRON HANDLE SET, CYLI LOCK, STOREROO MULTI-TECH, RHOI LEVER, SATIN CHR FINISH.	NDER M, DES	AD-300-CY-70-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) CSI STANDARDIZED PRODUCT	*	626	SCE
1	EA	WIRED DOOR CON	TACT	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, I	b	H4a, b	H6a, b		H7a, b	H9a, b		H10a	ı, b
QTY		DESCRIPTION		CATALO	OG NUMBER			FINISH	MFR
2	EA	WITH BUILT IN RE TO EXIT AND FIEL	RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT			KIT (KIT RODUCT	<i>M</i>		CAT
2	EA	POWER TRANSFE LOOP, BLACK END		SDC SE	CURITY PT-2		*	STAIN LESS STEEL	SDC
1	EA	MULTI-TECH REAI	DER	SCHLAG MT11 1:		RODUCT	*	BLK	SCE
2	EA	WIRED DOOR COI	NTACT	PROVIE SYSTEM FIELD V	H 1078/107 SE DED BY SECUR M INSTALLER /ERIFY SIZE AN	ITY ID SERIES	*	WHITE	ARI
2	EA	WIRED JAB MOUN AUTOMATIC OPER ACTUATOR		LCN 83	10-818T ANDARDIZED P	RODUCT	*	STAIN LESS STEEL	LCN
1	EA	DOUBLE DOOR AUTOMATIC OPER	RATOR	RECOR	D HA-9		*	AL	REC

HARDWARE GROUP NO. H2:

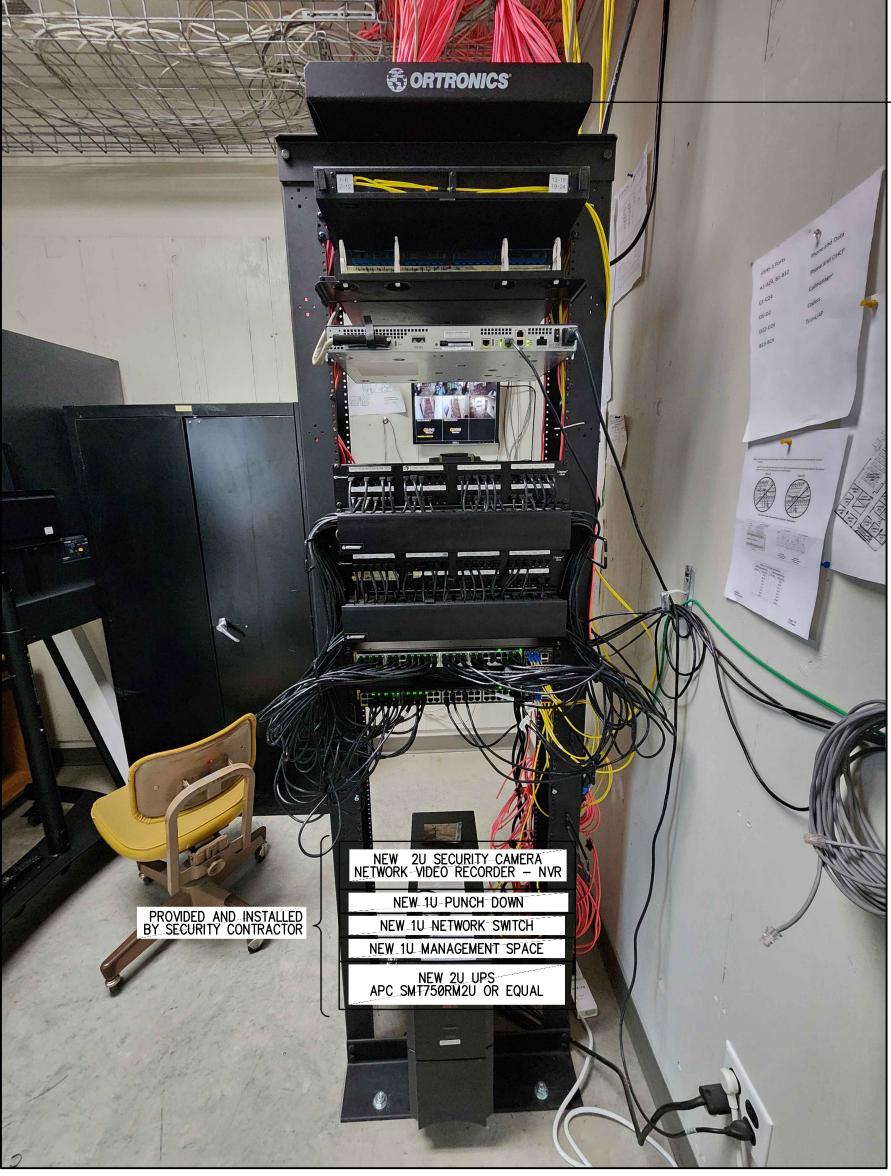
H2a		H3a	H5c						
QTY		DESCRIPTION	•	CATALO	OG NUMBER			FINISH	MFR
1	EA	WIRELESS DOO CONTACT AND F		PROVIE SYSTE	NICS EN1210W DED BY SECURIT M INSTALLER. DE AND INSTALL	Y	*	WHITE	INN
				INOVON RECEIV FUNCT	NICS EN4204R YERS AS REQUIR IONAL SYSTEM				

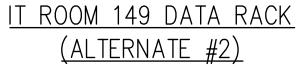
DOOR HARDWARE NOTES

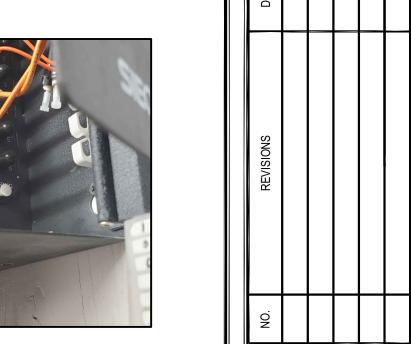
INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR HARDWARE WALK WITH DOOR HARDWARE DISTRIBUTOR, INSTALLING CONTRACTORS SUPERINTENDENT, CSI PROJECT MANAGER, AND DESIGN PROFESSIONAL PRIOR TO ORDERING DOOR HARDWARE AND INSTALLATION. THE PURPOSE OF THIS DOOR HARDWARE WALK IS TO VERIFY THAT THE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

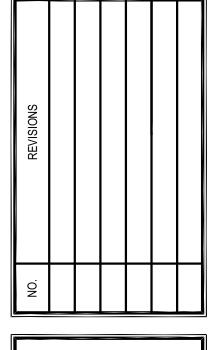
GENERAL NOTES:

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

PROJECT B18-112 JULY 2024 AS SHOWN

E8.4

DPW PROJECT 19107 CSI: ENTRY ACCESS CONTROLS PHASE 2 COLEGE OF SOUTHER

TWIN PALLS, ID

LEGEND

CITY

MOUNTAIN

IDAHO

NEVADA

—— PAVED HIGHWAY

STANLEY

GOODING

TWIN FAL

SCALE: NTS

JACKPOT

LOCATION MAP

CHALLIS

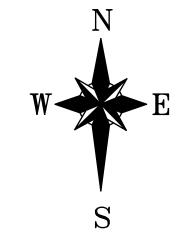
SUN VALLEY

BELLEVUE

RUPERT

BURLEY

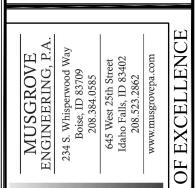
OAKLEY

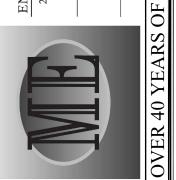




(ALTERNATE #3)







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AHC

Installation of fiber optic wiring to comply with

INTERNATIONAL BUILDING CODE - 2018 OF IDAHO

EXISTING INTERNATIONAL BUILDING CODE - 2020 2018

LIST OF DRAWINGS

CODES

IDAHO ENERGY CONSERVATION COED - 2018 OF IDAHO
NATIONAL ELECTRIC CODE - 2017 OF IDAHO

2023 NEC

T1.0 ELECTRICAL TITLE SHEET

PHYSICAL EDUCATION BUILDING

E11.5 IT ROOM 230 DATA RACK E11.6 SECURITY CAMERA PLAN

T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

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

Penetrations thru walls, floor or ceiling to be fire stopped per NEC 300.21

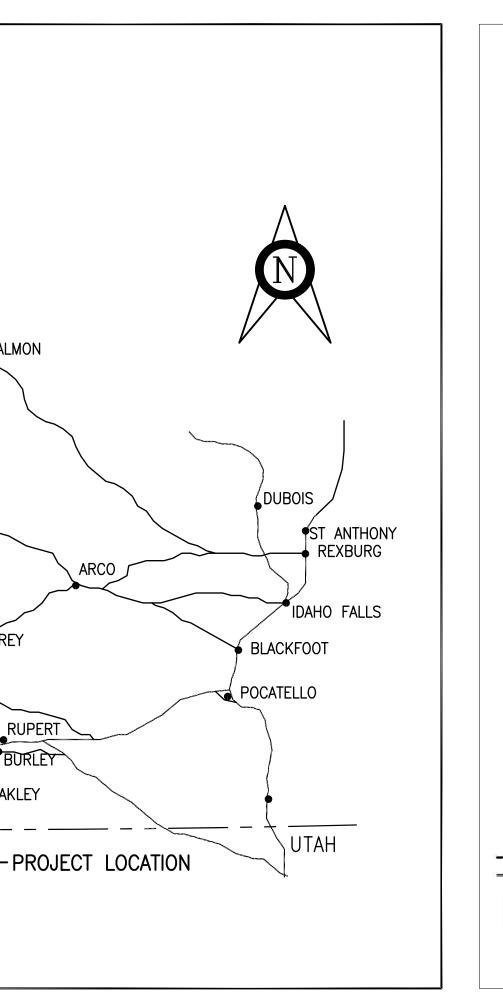
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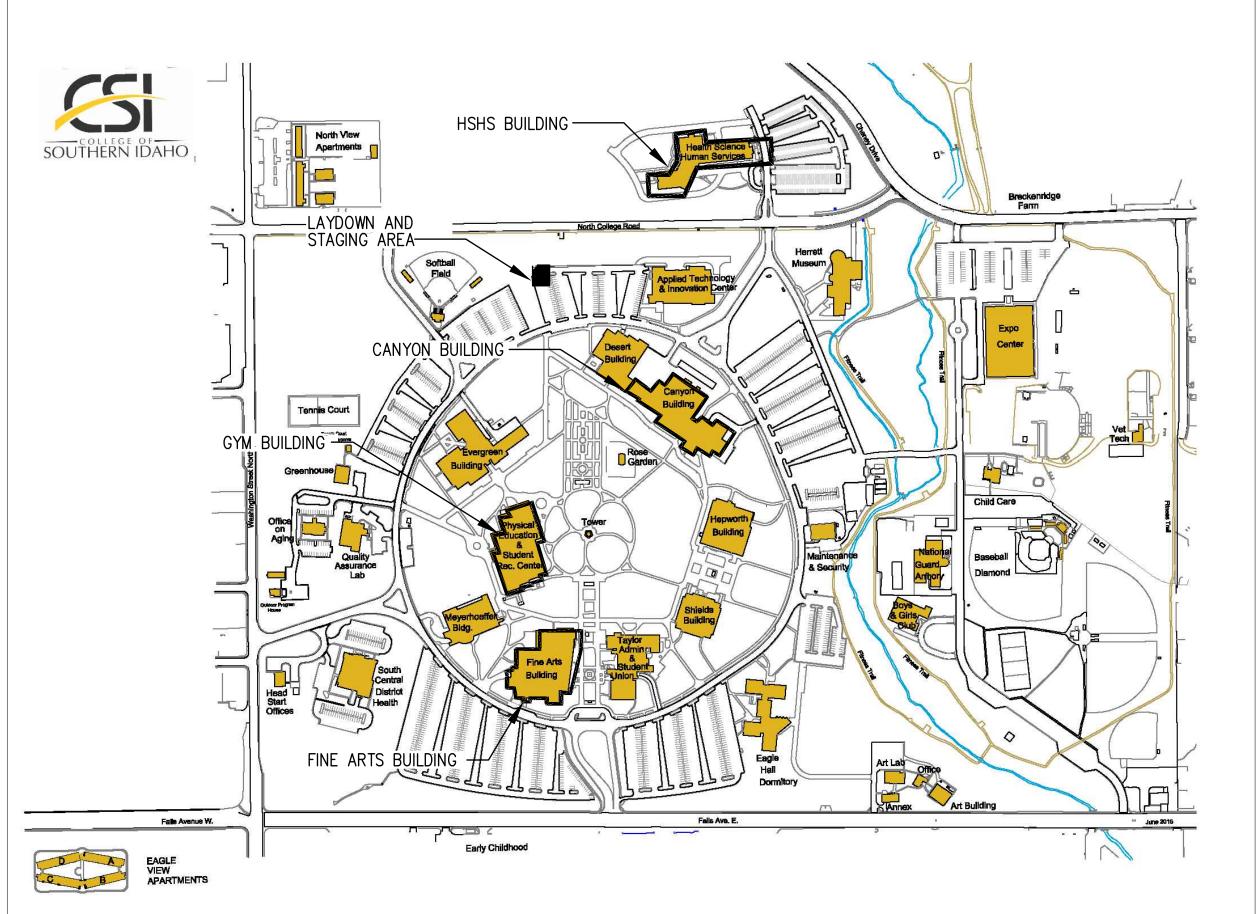
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All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.

These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially code compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.





COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

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

CALDWELL

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

IDAHO

OREGON

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.

Penetrations Note

It is the responsibility of the design professional, contractor, and or builder to notify the building department of any alteration, addition, or removal of any building component, that is not in the scope of this approved plan and permit, whether structural, or not, as a modification of plans, for review and

Any penetrations, whether a membrane penetration or through penetration of any horizontal assemblies, smoke assemblies, fire-resistance-rated wall assemblies, and fire-resistance-rated floor, and or ceiling assemblies must

be protected and inspected if penetrated.

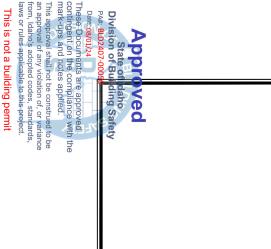
The provisions of chapter 7, of the 2018 IBC shall govern the materials and methods of construction used to protect duct penetrations, through penetrations and membrane penetrations of rated assemblies. A building permit for the inspection of such alterations, penetrations and protections shall be made, and building inspections called for approval.

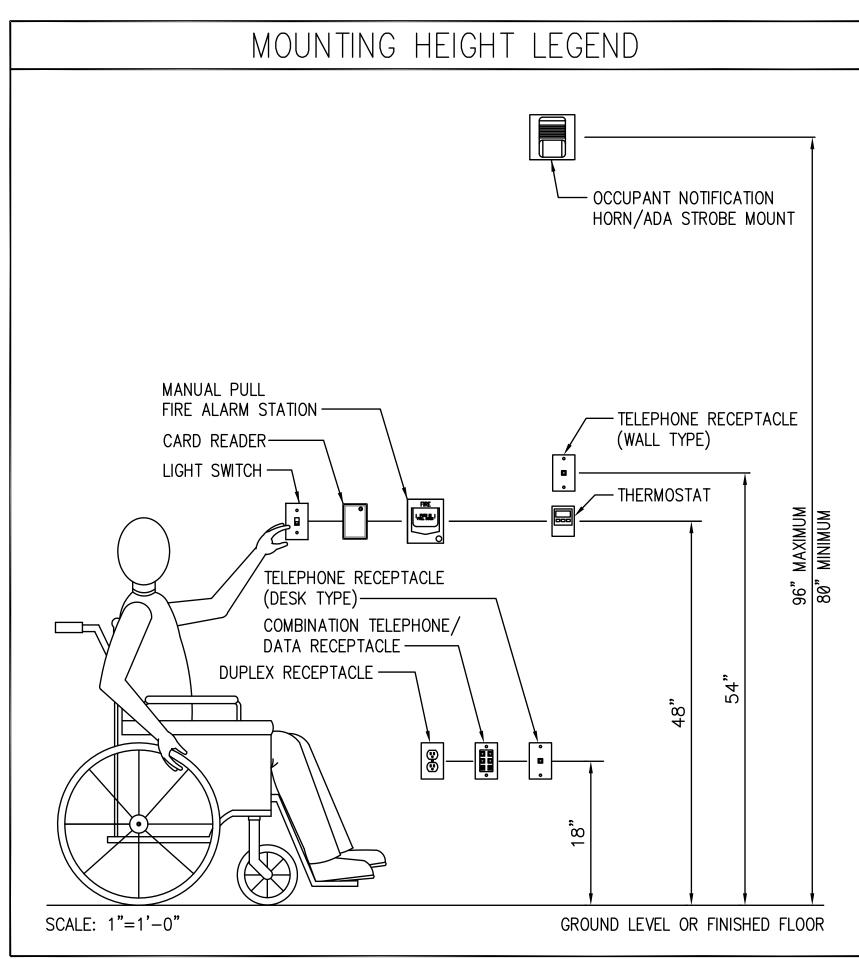
CONSTRUCTION APPROVAL BY R	RESPONSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY
IDAHO CODE 67-5710)	
nal Plans & Specs have been Reviewed for: 019107 CSI: Entry Access Controls, Phases I and 2	DPW Project No. 2019107
authorized, and authorize the Divis	red program elements within the funding limitations sion of Public Works to proceed with bidding of the project. If approve awarding a contract and construction of the ans and specifications.
gency: SI	Agency Signature Authority: Jeff Harmon
Approved Approved	
Name or Role	
1. Agency - Signature Authority	Approved jeff Harmon Apr 22, 2024 02:29 PM MST
2. Project Monager	Approved John Porhom Apr 22, 2024 03:12 PM MST
3. Project Monager Seniar	Approved Margie Kennedy (SR PM)
	May 11, 2024 06:47 PM MST

I: ENTRY ACCESS CONTROLS
COLLEGE OF SOUTHERN II
TWIN FALLS, ID CSI:

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

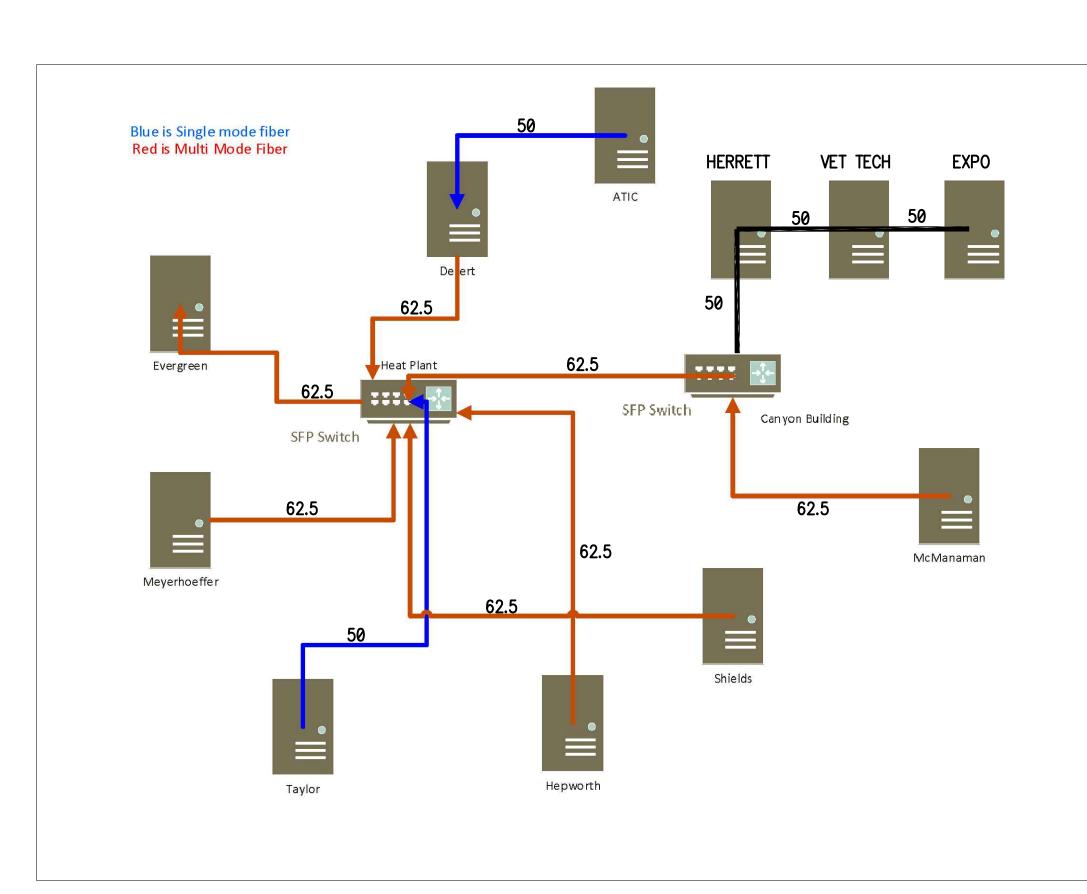
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MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS

All reach ranges shall be as per the 2009 ANSI A117.1 for accessiblility.



FIBER MAP SCALE: NTS

ABBREVIATIONS AMPERE(S) ALUMINUM AMPERE INTERRUPTING CAPACITY AIC AWG AMERICAN WIRE GAUGE BARE COPPER CONDUIT CIRCUIT BREAKER CB CKT CIRCUIT CT CURRENT TRANSFORMER COPPER DISC DISCONNECT DWG DRAWING ELECTRICAL METALLIC TUBING FREQUENCY IN CYCLES PER SECOND **FUSE** FUSIBLE SWITCH GEN GFI GND GENERATOR GROUND FAULT INTERRUPTER GROUND HORSEPOWER HIGH PRESSURE SODIUM INTERMEDIATE METALLIC CONDUIT INC INCANDESCENT KILOVOLT KVA KILOWATT VOLT AMPS KILOWATT(S) KW THOUSAND CIRCULAR MIL(S) LATCH BOLT MONITORING MINIMUM CIRCUIT AMPS MCC MOTOR CONTROL CENTER MAIN LUG ONLY NORMALLY CLOSED NORMALLY OPEN NATIONAL ELECTRIC CODE NOT IN CONTRACT NTS NOT TO SCALE PNL PANEL POLYVINYL CHLORIDE PVC QEL MOTORIZED PUSH PAD HARDWARE RIGID GALVANIZED STEEL RGS RX REQUEST TO EXIT SWITCHBOARD SWBD XMFR TRANSFORMER TYP **TYPICAL**

UNDERGROUND

VOLT(S)

VOLTAMP(S)

WATT(S)
WEATHER PROOF

UNLESS NOTED OTHERWISE

UNINTERRUPTED POWER SYSTEM

DATA/COMMUNICATIONS LEGEND DATA JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. DATA/COMM QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE (ROUGH IN ONLY, NO CABLES) SURFACE RACEWAY DATA/COMM/POWER FLOOR BOX 19" 4 POST NETWORK RACK de da 19" 2 POST NETWORK RACK WALL MOUNTED NETWORK RACK

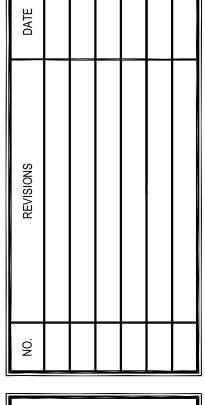
NO ⁻	TE:	ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT
		SECURITY LEGEND
	Þ	BULLET CAMERA 1 GRAY CAT6 CABLE
		C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
C)\[1	DOME CAMERA 1 GRAY CAT6 CABLE
		C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
· 读	Ý-	PANORAMIC CAMERA 1 GRAY CAT6 CABLE
		C — CEILING MOUNT
CF	R	CARD READER
(ES		ELECTRIC STRIKE - SURFACE
(ES	R	ELECTRIC STRIKE - RECESSED IN FRAME
(EC	B	ELECTRIC CRASH BAR
DC	C	DOOR CONTACT
ET	TH	ENERGY TRANSFER HINGE
EP	PΤ	ENERGY POWER TRANSFER
WD	C	WIRELESS DOOR CONTACT
MR	RX	MOTION SENSOR REQUEST TO EXIT
(R)	X	REQUEST TO EXIT
]	PANIC BUTTON
WH		WIRELESS HANDLE SET
	<u>S</u>	HANDLE SET
	SI	POWER SUPPLY
l <u> </u>)Al	
LAD	00	AUTOMATIC DOOR OPENER

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

	POWER LEGEND
	TOWEN LEGEND
\$ <u>e</u>	MANUAL MOTOR STARTER SWITCH
	TIMECLOCK
C	CONTACTOR
IC	IRRIGATION CONTROL PANEL
DS ^J XP-XA-X	DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED
F XP-XA-X XA FUSES	FUSED DISCONNECT SWITCH POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED
•	THERMOSTAT, AT +48 INCHES
∅	MOTOR F INDICATES FAN (FRACTIONAL HORSEPOWER) # INDICATES MOTOR SIZE (IN HORSEPOWER)
0	JUNCTION BOX
\$	RECESSED AUDIO SPEAKER
(VOLUME CONTROL, AT +48 INCHES
	ELECTRICAL PANEL
— w —	SURFACE RACEWAY
GFI C ⇒ SPD WP	DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
GFI C ⊕ SPD WP	DOUBLE DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
Φ©	DATA/COMM/POWER FLOOR BOX
REB	RECESSED ENTERTAINMENT BOX
CR	CARD READER BOX
(TV)	TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION
•	30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION
•	50A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

PRIOR TO INSTALLATION









DPW PROJECT 19107

SI: ENTRY ACCESS CONTROLS, PHASE

COLLEGE OF SOUTHERN IDAHO

TWIN FALLS, ID

PROJECT B18-112

DRAWN DBH

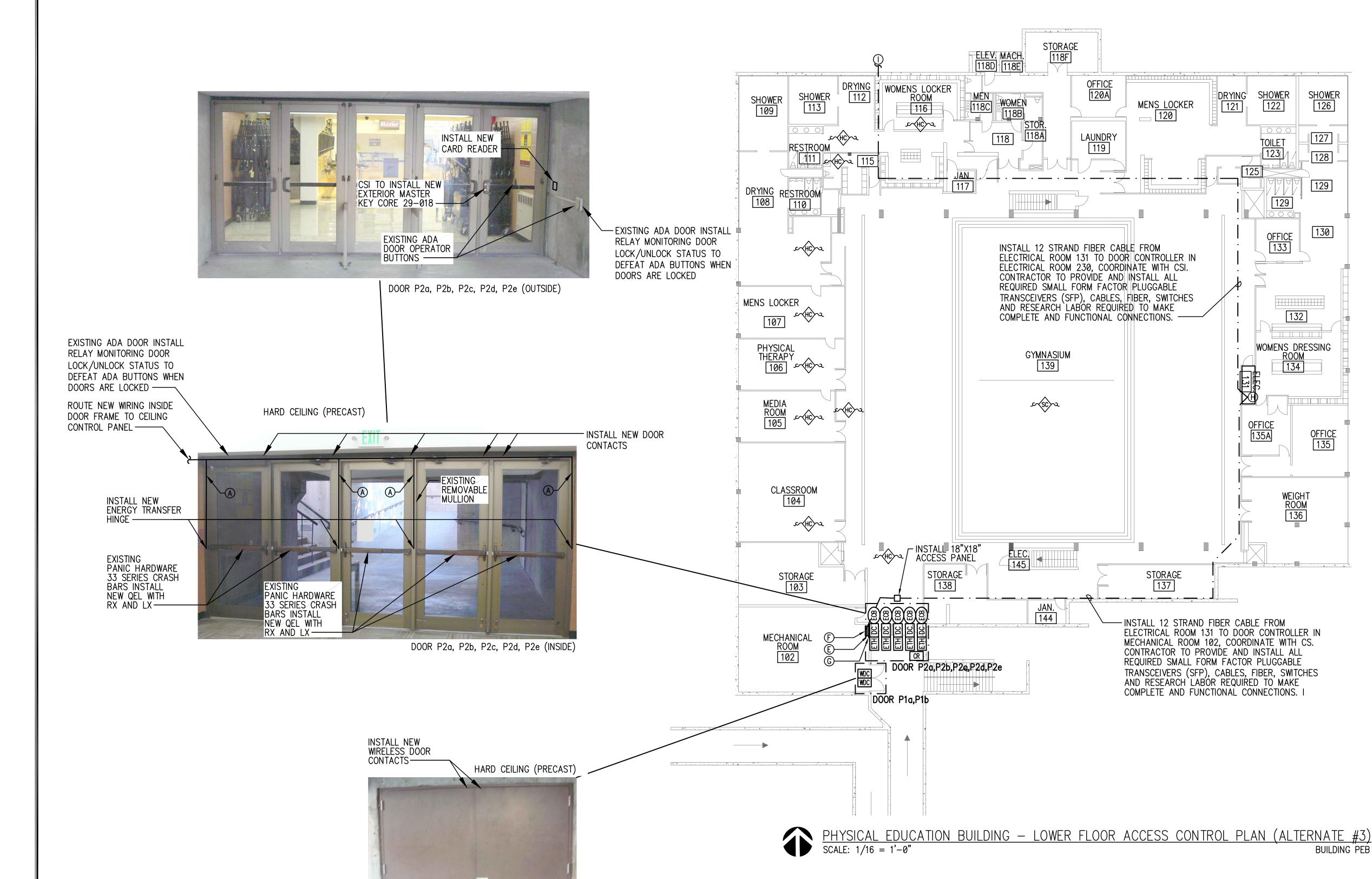
CHECKED MNB

DATE JULY 2024

AS SHOWN

CSI:

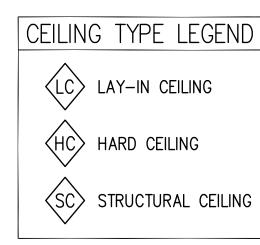
T11



DOOR P1a, P1b (OUTSIDE)

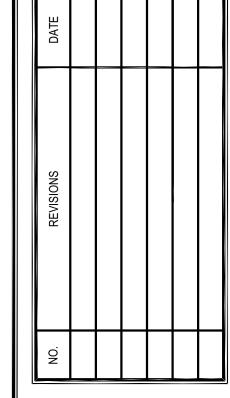
GENERAL NOTES:

- 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.
- 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.

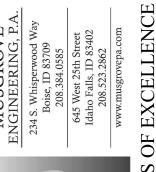


- NEW ACCESS CONTROL KEY NOTES: (A) ACCESS CONTROL CABLING SHALL BE ROUTED THROUGH DOOR FRAMES AND CONCEALED USING ALL MEANS POSSIBLE, WHERE NOT POSSIBLE AS A LAST RESORT INSTALL COLOR MATCHING ALUMINUM RACEWAY. APPROVAL REQUIRED PRIOR TO INSTALLATION.
 - (B) ACCESS CONTROL CABLING TO BE ROUTED INSIDE CONDUIT SIZED CONSISTENT WITH BICSI STANDARDS. PAINT CONDUIT TO MATCH EXISTING WALLS, COORDINATE PAINT TYPE, COLOR AND SHEEN WITH CSI.
- (C) ACCESS CONTROL CABLING ROUTED FREE AIR ABOVE ACCESSIBLE CEILING. INSTALL J-HOOKS 6 FOOT ON CENTER.
- (D) ROUTE ACCESS CONTROL CABLING FREE AIR ABOVE GYPSUM CEILINGS. INSTALL J-HOOKS 6 FOOT ON CENTER.
- (E) 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.
- (F) 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.
- (H) 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
- (1) TO ELECTRICAL ROOM 230 SEE DRAWING E11.6.

BUILDING PEB









S AH 古 DPW PROJECT 19107
/ ACCESS CONTROLS
EGE OF SOUTHERN IC
TWIN FALLS, ID DPW ENTRY, COLLE(

ROJECT B18-112 DBH CHECKED MNB JULY 2024

<u>S</u>:

E11.1

AS SHOWN



NO. REVISIONS DATE



MUSGROVE
ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, ID 83709
208.384.0585
645 West 25th Street
Idaho Falls, ID 83402
208.523.2862
www.musgrovepa.com



SI: ENTRY ACCESS CONTROLS, PHASE COLLEGE OF SOUTHERN IDAHO TWIN FALLS, ID

PROJECT B18-112

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CHECKED MNB

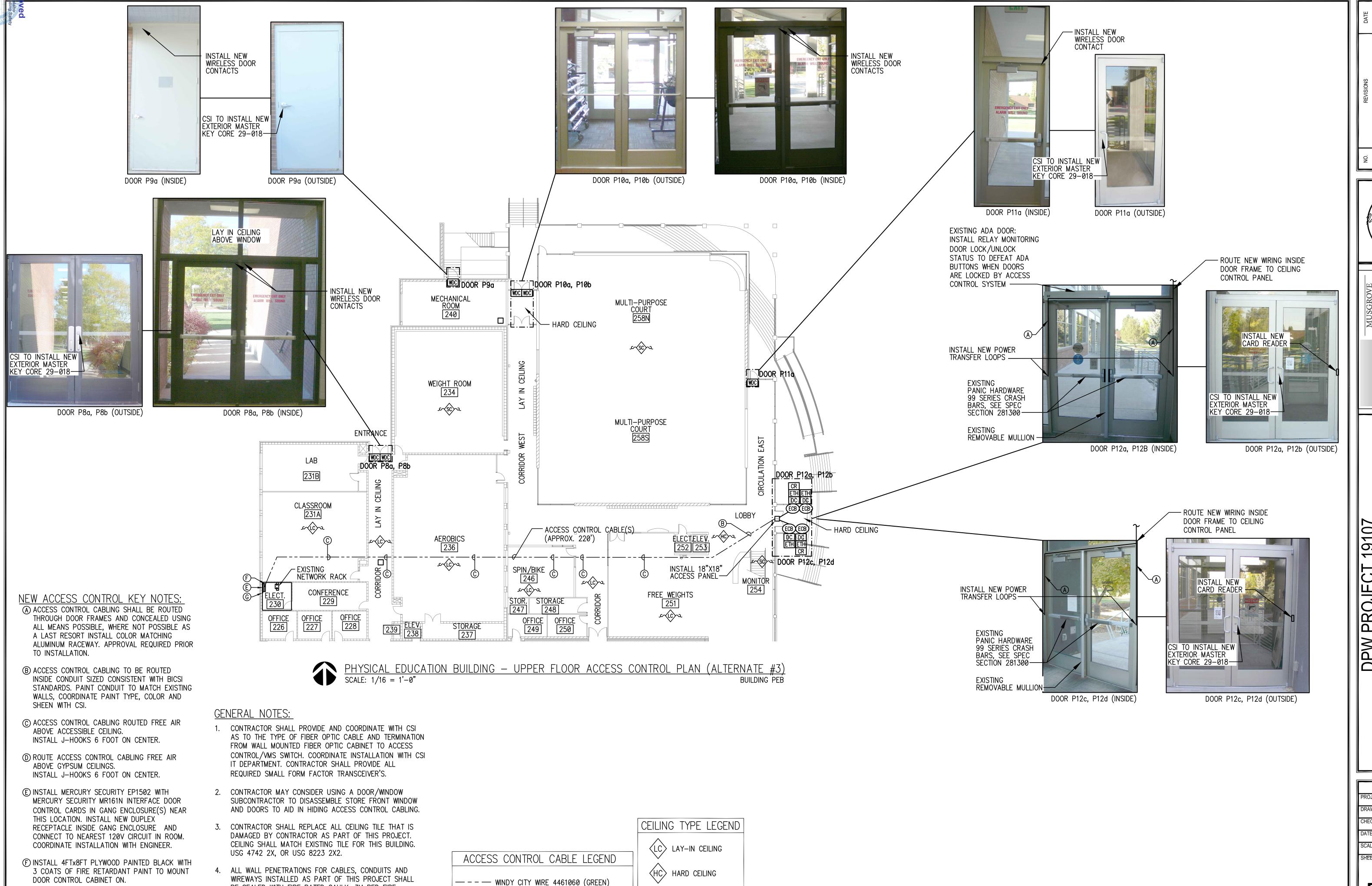
DATE JULY 2024

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SC STRUCTURAL CEILING

WINDY CITY WIRE 002393-50 (PURPLE)

OR EQUAL FOR EACH CONTROLLED DOOR

BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE

BARRIER CP 25WB PLUS SEALANT OR EQUAL.

© INSTALL NEW 120V DUPLEX OUTLETS

COORDINATE FINAL LOCATION WITH CSI.

NO. REVISIONS DATE



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CSI: ENTRY ACCESS CONTROLS, PHASE COLLEGE OF SOUTHERN IDAHO TWIN FALLS, ID

PROJECT B18-112

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CHECKED MNB

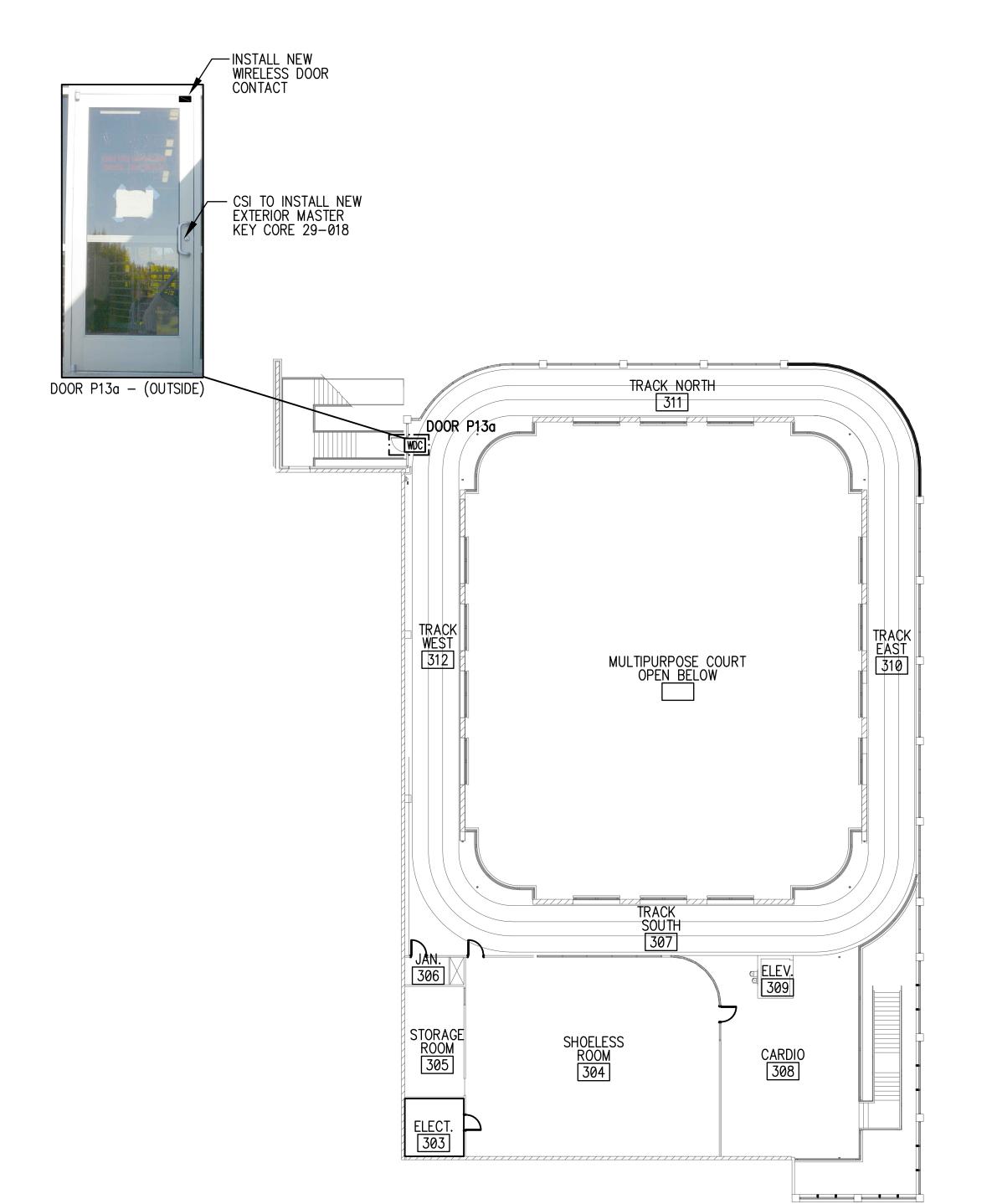
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GENERAL NOTES:

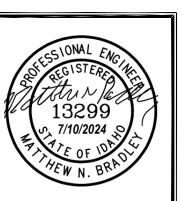
 ALL WALL PENETRATIONS FOR CABLES, CONDUITS AND WIREWAYS INSTALLED AS PART OF THIS PROJECT SHALL BE SEALED WITH FIRE RATED CAULK. 3M RED FIRE BARRIER CP 25WB PLUS SEALANT OR EQUAL.

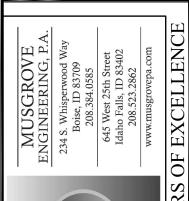


PHYSICAL EDUCATION BUILDING — UPPER FLOOR ACCESS CONTROL PLAN (ALTERNATE #3)

SCALE: 1/16 = 1'-0"

BUILDING PEB







HASE O DPW PROJECT 19107
CSI: ENTRY ACCESS CONTROLS, PHAS
COLLEGE OF SOUTHERN IDAHO
TWIN FALLS, ID

PROJECT B18-112 JULY 2024 AS SHOWN



HARDWARE GROUP NO. P1:

FOR U	SE ON D	DOOR #(S):									
P9a		P11a	P13a								
QTY		DESCRIPTION		CATALO	OG NUMBER				FIN	ISH	MFR
1	EA	WIRELESS DOOR CONTACT AND RE	CEIVER	PROVIE SYSTEM INOVOM RECEIV REQUIF SYSTEM	NICS EN1210W DED BY SECUP A INSTALLER. NICS EN4204R ERS, QUANTI RED FOR FUNG ANDARDIZED I	RIT ! TY CTI	AS ONAL	*	WH	ITE	INN

HARDWARE GROUP NO. P2:

FOR U	SE ON I	DOOR #(S):								
P1a, l	b	P8a, b	P10a, b							
QTY		DESCRIPTION		CATALO	OG NUMBER			FIN	ISH	MFR
2	EA	WIRELESS DOOR CONTACT AND R	-	PROVIE SYSTEM INOVOM RECEIV REQUIF SYSTEM	NICS EN1210W DED BY SECURI M INSTALLER. NICS EN4204R PERS, QUANTIT RED FOR FUNCT M	Y AS TIONAL	*	WH	ITE	INN

HARDWARE GROUP NO. P3:

HANDY	VAIL O	NO	<u>UP NO. P3.</u>											
FOR US	SE ON D	000)R #(S):											
P2a, I	b, c, d, e													
QTY		DE	SCRIPTION		CATALO	OG N	UMBER					FIN	ISH	MFR
5	EA	RE WI TC	ECTRIFIED LATO TRACTION DEVI TH BUILT IN REC EXIT AND FIELD STALLED LATCH ONITOR KIT	CE QUEST	MLRK1-	VD +	ACCESS VDLMB ARDIZED	KIT-	ED	Τ	*			CAT
5	EA	HII	IERGY TRANSFE NGE, PIVOT TYPE NGE				ACCESS ARDIZED				*	DAF BRC	RK ONZE	CAT
1	EA	MU	JLTI-TECH READ	ER	SCHLAC MT11 12 CSI STA	2 VD(C ARDIZED) PR(ODUC	T	*	BLA	CK	SCE
5	EA	WI	RED DOOR CON	TACT	PROVID SYSTEM	DED E	76CW-N BY SECU STALLEF ARDIZED	JRIT R		т.	×	WH	ITE	ARI
					USI S 17	NIDA	KUIZEU	ירתי		· I				

HARDWARE GROUP NO. P6:

FOR U	SE ON I	DOOR #(S):							
P5a,	b, c,	P6a, b, c,							
QTY		DESCRIPTION		CATALO	OG NUMBER			FINIS H	MFR
3	EA	ELECTRIFIED LATO RETRACTION DEVI WITH BUILT IN REG TO EXIT AND FIELD INSTALLED LATCH MONITOR KIT	CE QUEST)	MLRK1-	ND ACCESS T VD + VDLMBK NDARDIZED F	IT-ED	*		CAT
3	EA	ENERGY TRANSFE HINGE, PIVOT TYPI HINGE		COMMA	ND ACCESS E	TH8WH	N	DARK BRONZ E	SCE
1	EA	MULTI-TECH READ	ER	SCHLAC MT11 12 CSI STA		PRODUCT	*	BLK	SCE
3	EA	WIRED DOOR CON	TACT	PROVID SYSTEM	H 1076CW-N PED BY SECUR I INSTALLER		*	WHIT E	ARI

HARDWARE GROUP NO. P7:

OR U	SE ON	DOOR #(S):				
P12a		P12c, d				
QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUES TO EXIT AND FIELD INSTALLED LATCH BOL	т	*		CAT
	 	MONITOR KIT	CSI STANDARDIZED PRODUCT		074111	
2	EA	POWER TRANSFER LOOP, BLACK END CAF	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 CONTAC	T ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER CSI STANDARDIZED PRODUCT	N	WHITE	ARI

HARDWARE GROUP NO. P4:

P3a,b	o,c,d,e,1	f,g,h,l,j						
QTY		DESCRIPTION	CATAL	OG NUMBER			FINISH	MFF
10	EA	ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUE TO EXIT AND FIELD INSTALLED LATCH BOI MONITOR KIT	MLRK1	AND ACCESS TEC -VD + VDLMBKIT- ANDARDIZED PRO	ED	*		САТ
10	EA	ENERGY TRANSFER	COMMA	AND ACCESS TEC		N	MATCH EXIST	SCE
		HINGE, 5 KNUCKLE HINGE	CSI STA	ANDARDIZED PRO	ODUCT		LXIOT	
1	EA	MULTI-TECH READER	SCHLA MT11 1		,	N	BLACK	SCE
			CSI STA	ANDARDIZED PRO	ODUCT			
10	EA	WIRED DOOR CONTAC	PROVID	CH 1076CW-N DED BY SECURIT M INSTALLER	1.1	*	WHITE	ARI
			CSLSTA	ANDARDIZED PR	ODUCT			

HARDWARE GROUP NO. P5:

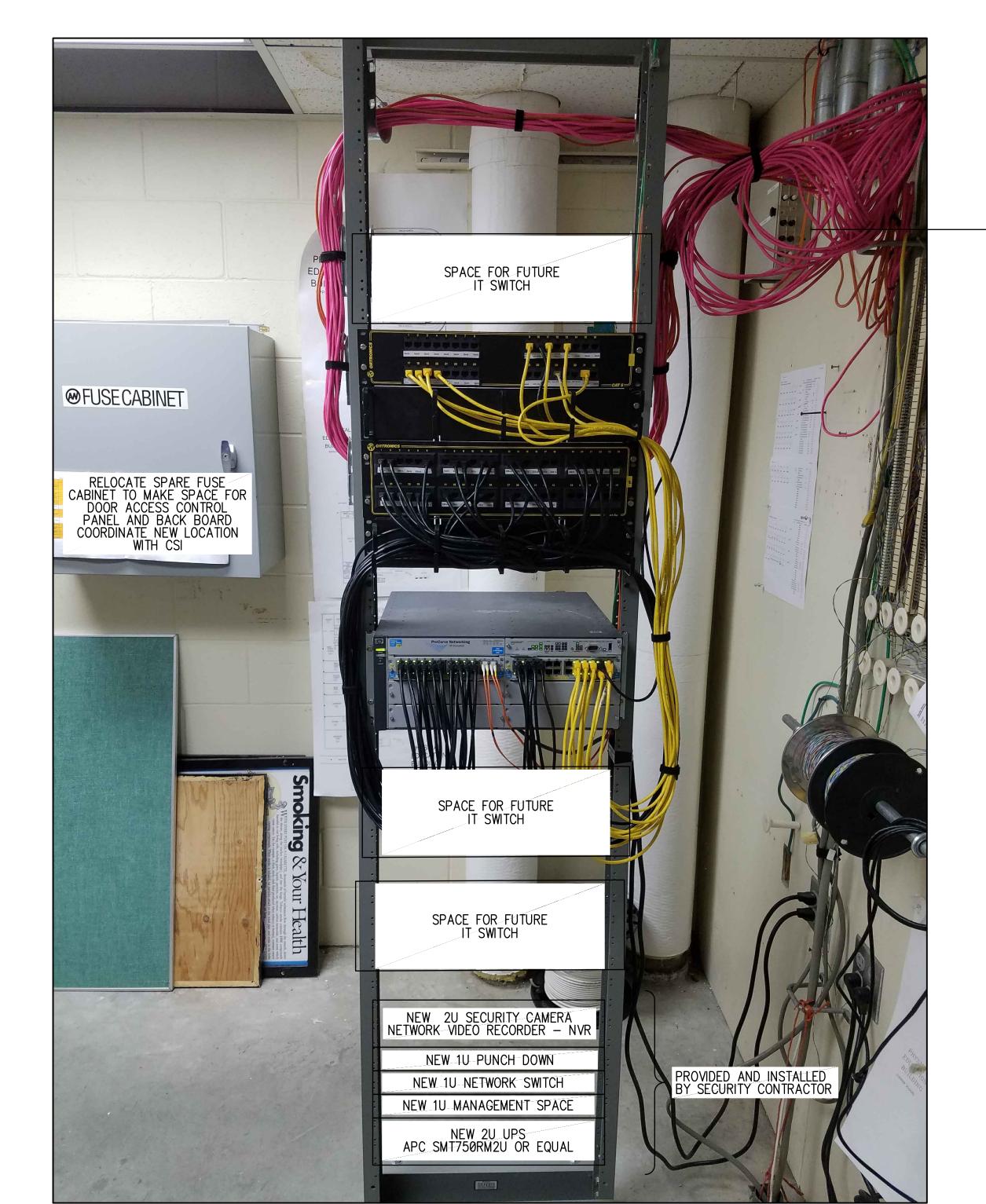
P4a, I	Ο,	P7a, b				
QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	ELECTRIFIED LATCH RETRACTION DEVICE WITH BUILT IN REQUEST TO EXIT AND FIELD INSTALLED LATCH BOLT MONITOR KIT	COMMAND ACCESS TEC MLRK1-VD + VDLMBKIT-E	ĒD		CAT
2	EA	ENERGY TRANSFER HINGE, PIVOT TYPE HINGE	COMMAND ACCESS ETH CSI STANDARDIZED PRO	I8WH 🗡	DARK BRONZE	SCE
1	EA	MULTI-TECH READER	SCHLAGE MT11 12 VDC CSI STANDARDIZED PRO	DDUCT	BLK	SCE
2	EA	WIRED DOOR CONTACT	ARITECH 1076CW-N PROVIDED BY SECURITY SYSTEM INSTALLER CSI STANDARDIZED PRO		WHITE	ARI

DOOR HARDWARE NOTES

1. 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:

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.



ELECTRICAL ROOM 230 DATA RACK
(ALTERNATE #3)

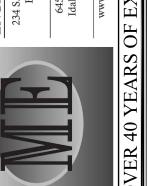
FIBER PATCH PANEL. OPEN FIBER OPTIC CONNECTION AT POSITIONS 1, 2, 5 AND 6 COORDINATE INSTALLATION WITH CSI IT DEPARTMENT. CONTRACTOR SHALL PROVIDE FIBER PATCH CABLE, AND SFP FOR ACCESS CONTROL NETWORK SWITCH. FIELD VERIFY FIBER OPTIC CABLE TYPE AND SFP REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION.



NO. REVISIONS DATE



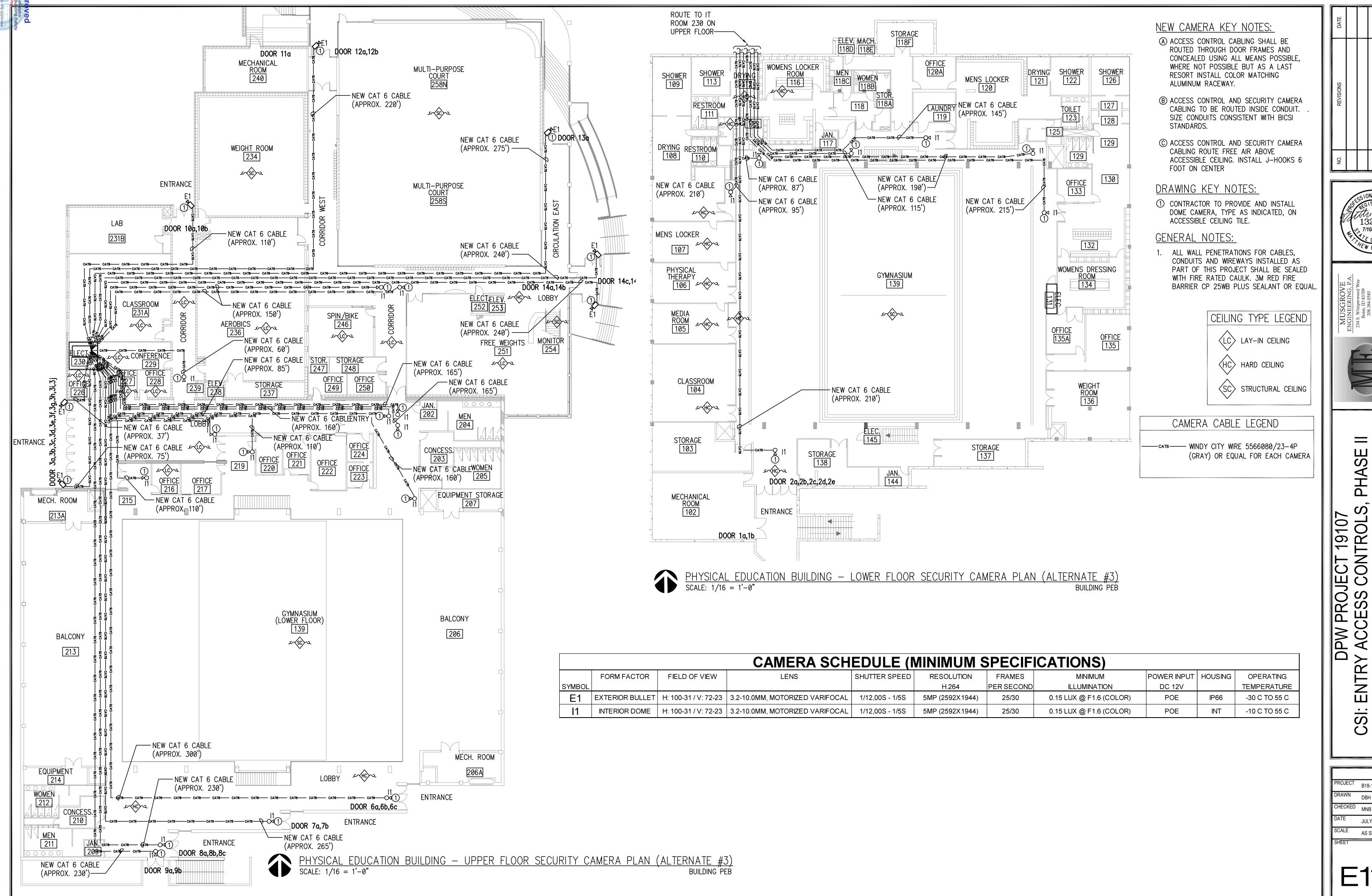


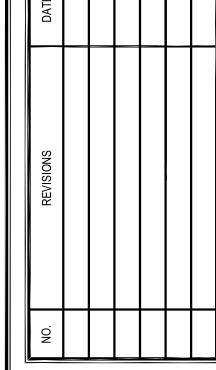


PHASE II NHO

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

ROJECT	B18-112
RAWN	DBH
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S DPW PROJECT 19107
II: ENTRY ACCESS CONTROLS, PHA
COLLEGE OF SOUTHERN IDAHO
TWIN FALLS, ID

B18-112 JULY 2024 AS SHOWN



HARDWARE GROUP NO. F1:

F2a		F3B	F11a		F13a					
QTY	DE	SCRIPTION		CATALO	OG NUMBER			FINI	HS	MF
1 E	I	RELESS DOOR ONTACT AND RE	CEIVER	PROVID SYSTEM INOVON RECEIV	NICS EN1210W DED BY SECURIT MINSTALLER. NICS EN4204R ERS, QUANTITY RED FOR FUNCTI	AS	*	WHI	ITE	IN

HARDWARE GROUP NO. F2

FOR USE ON DOOR #(S):

o, c, d										
	DE	SCRIPTION		CATALO	OG NUMBER			FIN	ISH	MFR
EA	HA LO ML	NDLE SET, CYLII CK, CLASSROOM JLTI-TECH, RHOE	NDER /I, DES	(LEVER	PREP AND SURATION AS R		*	626		SCE
						RODUCT				
EA	PIN	Л				ODUCT	*			SCE
	EA	EA WI HA LO ML LE FIN	DESCRIPTION EA WIRELESS ELECTR HANDLE SET, CYLII LOCK, CLASSROON MULTI-TECH, RHOE LEVER, SATIN CHR FINISH.	DESCRIPTION EA WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH.	DESCRIPTION CATALO EA WIRELESS ELECTRONIC AD-400- HANDLE SET, CYLINDER (LEVER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH. CSI STA	DESCRIPTION EA WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH. CATALOG NUMBER AD-400-CY-50-MT-RHO, (LEVER PREP AND CONFIGURATION AS R BATTERY POWERED CSI STANDARDIZED PF	DESCRIPTION EA WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH. CATALOG NUMBER AD-400-CY-50-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED CSI STANDARDIZED PRODUCT	DESCRIPTION EA WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH. CATALOG NUMBER AD-400-CY-50-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED CSI STANDARDIZED PRODUCT PIM400-1501	DESCRIPTION EA WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH. CATALOG NUMBER AD-400-CY-50-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED CSI STANDARDIZED PRODUCT PIM400-1501	DESCRIPTION EA WIRELESS ELECTRONIC HANDLE SET, CYLINDER LOCK, CLASSROOM, MULTI-TECH, RHODES LEVER, SATIN CHROME FINISH. CATALOG NUMBER AD-400-CY-50-MT-RHO,626 (LEVER PREP AND CONFIGURATION AS REQ) BATTERY POWERED CSI STANDARDIZED PRODUCT PIM400-1501

CSI STANDARDIZED PRODUCT

HARDWARE GROUP NO. F3

F3a		F5a	F7a		F9a	F10a		F1	2a
QTY		DESCRIPTION		CATALO	OG NUMBER	·		FINISH	MFR
1	EA	WIRELESS ELEC HANDLE SET, CY LOCK, CLASSRO MULTI-TECH, RH LEVER, SATIN CH FINISH.	'LINDER OM, ODES	(LEVER CONFIC BATTER	CY-50-MT-RHO PREP AND GURATION AS RY POWERED	REQ)	*	626	SCE
1	EA	PIM		PIM400	-1501 ANDARDIZED F	PRODUCT	~		SCE
1	EA	WIRELESS DOOF CONTACT AND R		PROVIE SYSTEM INOVOM RECEIV	NICS EN1210W DED BY SECUP M INSTALLER. NICS EN4204R (ERS, QUANTI RED FOR FUNC M	RITY TY AS	*	WHITE	INN
				CSI STA	ANDARDIZED F	PRODUCT			

HARDWARE GROUP NO. F4

F1a, I	b	F6a, b								
QTY		DESCRIPTION		CATALOG NUMBER				FINISH	MFR	
2	EA	ELECTRIFIED LATO RETRACTION DEVI WITH BUILT IN REG TO EXIT AND FIELD INSTALLED LATCH MONITOR KIT	CE QUEST	MLRK1	AND ACCE VD + VDL ANDARDIZ	MBKIT-	ED	*		CAT
2	EA	POWER TRANSFER LOOP, BLACK END	-	SDC SE	CURITY F	PT-2		*	STAIN LESS STEEL	SDC
1	EA	MULTI-TECH READ	ER		GE MT11 1 ANDARDIZ			N	BLACK	SCE
2	EA	WIRED DOOR CON	TACT	PROVID	H 1076CW DED BY SE M INSTALL	CURIT	Υ	×	WHITE	ARI
				CSI STA	ANDARDIZ	ED PR	ODUCT			

HARDWARE GROUP NO. F5:

FOR US	SE ON [OOOR #(S):								
QTY		DESCRIPTION	,	CATALO	OG NUMBER	•		FIN	ISH	MFR
1	EA	WIRED DOOR CON DOOR TRACK MOU		WBOX 1 OE-DC4	FECHNOLOGIES 811		N	AL		WBX
				CSI STA	NDARDIZED PRO	DDUCT				

DOOR HARDWARE NOTES

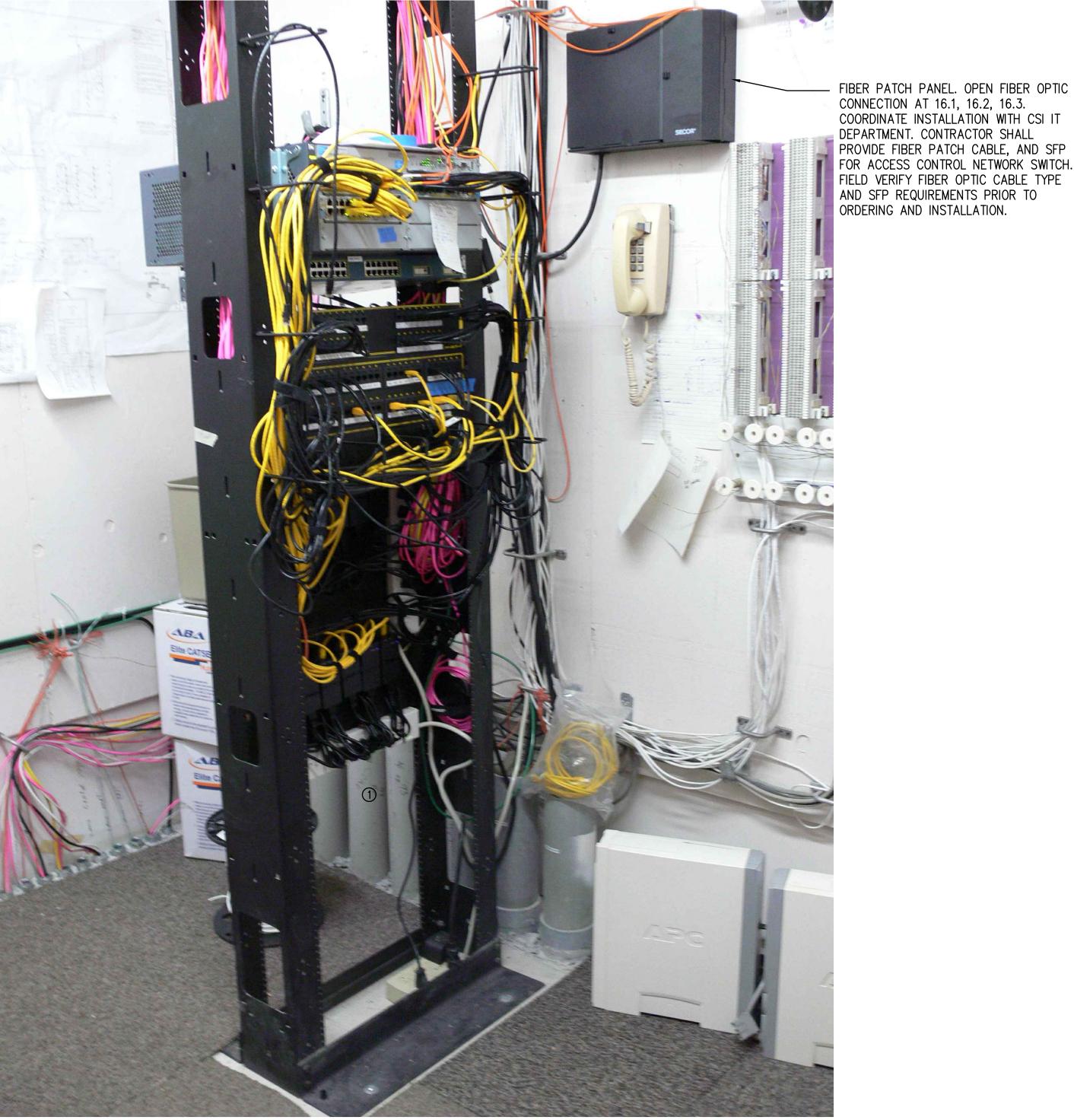
1. INSTALLATION CONTRACTOR IS REQUIRED TO SCHEDULE A PROJECT DOOR HARDWARE WALK WITH DOOR HARDWARE DISTRIBUTOR, INSTALLING CONTRACTORS SUPERINTENDENT, CSI PROJECT MANAGER, AND DESIGN PROFESSIONAL PRIOR TO ORDERING DOOR HARDWARE AND INSTALLATION. THE PURPOSE OF THIS DOOR HARDWARE WALK IS TO VERIFY THAT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

GENERAL NOTES:

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 U SPACE CHANGED BY CSI IT.



ROOM 114 DATA RACK
(ALTERNATE #4)

NO. REVISIONS DATE







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

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

DUBOIS

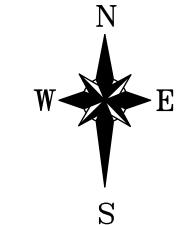
BLACKFOOT

POCATELLO

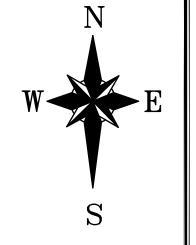
\ UTAH

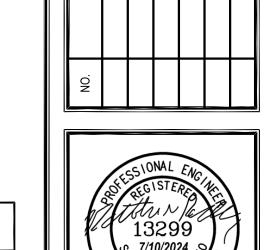
REXBURG

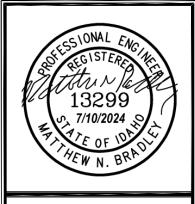
IDAHO FALLS

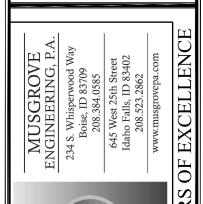


(ALTERNATE #4)

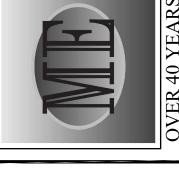












Fiber optic wiring to be installed per NEC 770.

Penetration's thru walls floors or ceilings to be fire caulked per NEC 300.21

IDAHO ENERGY CONSERVATION COED - 2018 OF IDAHO

NATIONAL ELECTRIC CODE - 2017 OF IDAHO - 2023 NEC

LIST OF DRAWINGS

T1.0 ELECTRICAL TITLE SHEET

E5.3 SECURITY CAMERA PLAN E5.4 IT ROOM 114 DATA RACK

T1.1 ELECTRICAL LEGENDS SHEET & FIBER MAP

NORTH ACCESS CONTROL PLAN

E5.2 SOUTH ACCESS CONTROL PLAN

These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially code compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

Construction Safeguards

Construction safeguards shall be required for any and all demolition and or

construction to ensure public safety.

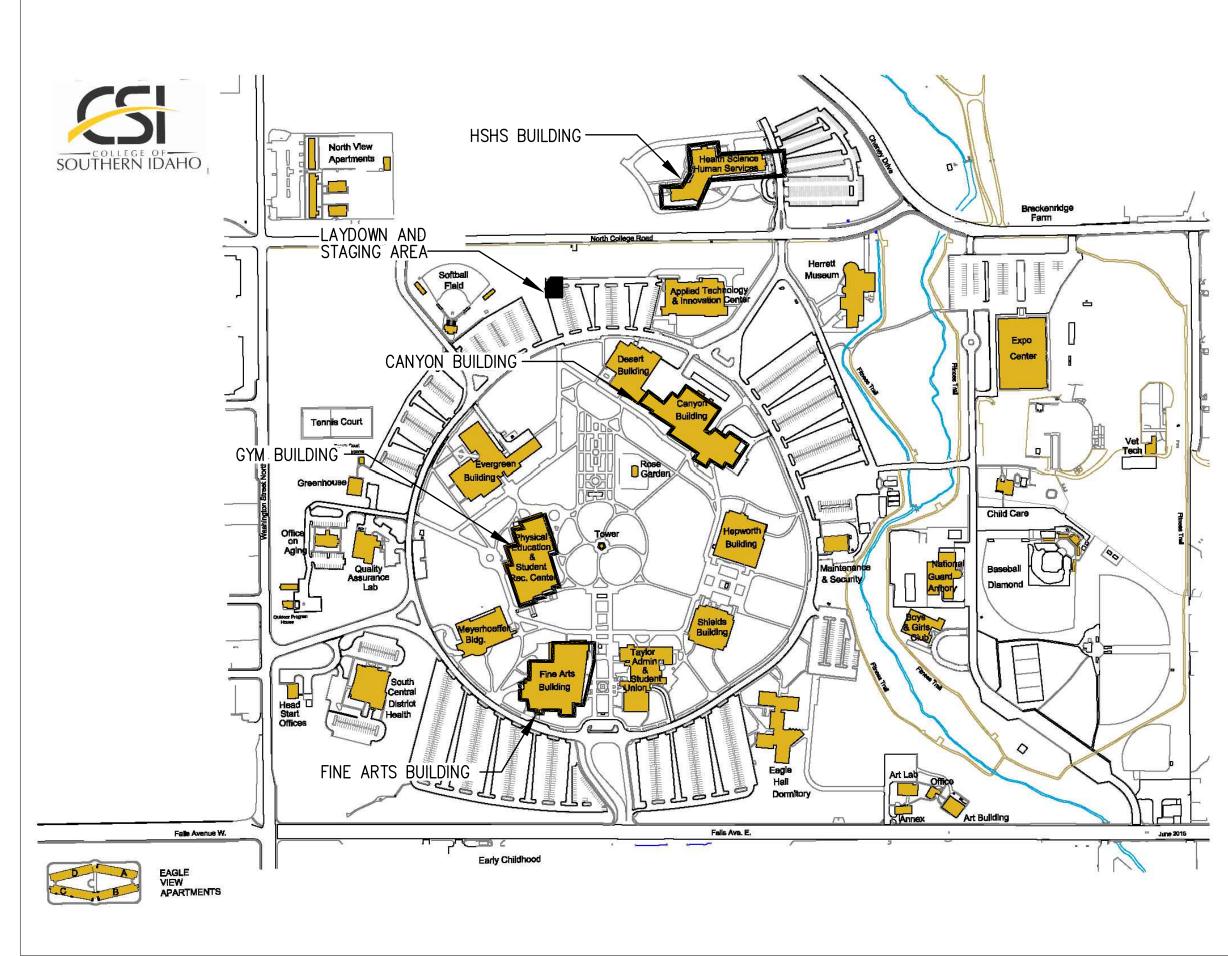
Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure.

All applicable construction safeguards from chapter 31 and 33 shall be in

place and maintained while any demolition or construction activities are being undertaken.

Sprinkler Note

In tenant renovations and remodels, the installation, deletion, or movement of any walls may affect the sprinkler performance. A sprinkler evaluation by a licensed sprinkler contractor should be made to ensure that any modification to the sprinkler system is warranted. Any alteration deletions or additions to the system shall be by a licensed sprinkler contractor and be approved by the Fire Marshal through plan review and inspection.



COLLEGE OF SOUTHERN IDAHO CAMPUS MAP

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

OREGON

CALDWELL

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:

SCALE: NTS

LEGEND

MOUNTAIN

IDAHO

NEVADA

STANLEY

GOODING

TWIN FAL

JACKPOT

LOCATION MAP

CHALLIS

SUN VALLEY

BELLEVUE

RUPERT

BURLEY

-PROJECT LOCATION

OAKLEY

- 1. ALL BUILDINGS ON CSI CAMPUS ARE TO REMAIN 100% OWNER OCCUPIED. BUILDING EXITING AND SECURITY SHALL BE MAINTAINED DURING CONSTRUCTION.
- 2. 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.

In tenant renovations and remodels, the installation, deletion, or movement of any walls may affect the sprinkler performance. A sprinkler evaluation by a licensed sprinkler contractor should be made to ensure that any modification to the sprinkler system is warranted. Any alteration deletions or additions to the system shall be by a licensed sprinkler contractor and be approved by the Fire Marshal through plan review and inspection.

Penetrations Note

It is the responsibility of the design professional, contractor, and or builder to notify the building department of any alteration, addition, or removal of any building component, that is not in the scope of this approved plan and permit, whether structural, or not, as a modification of plans, for review and

Any penetrations, whether a membrane penetration or through penetration of any horizontal assemblies, smoke assemblies, fire-resistance-rated wall assemblies, and fire-resistance-rated floor,

and or ceiling assemblies must be protected and inspected if penetrated.

The provisions of chapter 7, of the 2018 IBC shall govern the materials and methods of construction used to protect duct penetrations, through penetrations and membrane penetrations of rated assemblies. A building permit for the inspection of such alterations, penetrations and protections shall be made, and building inspections called for approval.

construct	TON APPROVAL BY RESPO	DNSIBLE CHIEF OFFICER OF INSTITUTION OR AGENCY
(IDAHO COD	E 67-5710)	
Final Plans & Specs hav 2019107 CSI: Entry Acc	e been Reviewed for: cess Controls, Phases I and 2	DPW Project No. 2019107
authorized, c acceptable b	nd authorize the Division o	rogram elements within the funding limitations f Public Works to proceed with bidding of the project. If ove awarding a contract and construction of the nd specifications.
Agency: CSI	Approved	Agency Signature Authority: Jeff Hormon
	- Philosophia	
Name or Role		
	nature Authority	Approved
Name or Role		Jeff Harmon
L 🔐 Agency - Sig	ger	Jeff Harmon Apr 22, 2024 02:29 PM MST Approved John Parhom

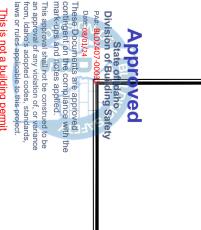
S AH(I: ENTRY ACCESS CONTROLS
COLLEGE OF SOUTHERN ID
TWIN FALLS, ID

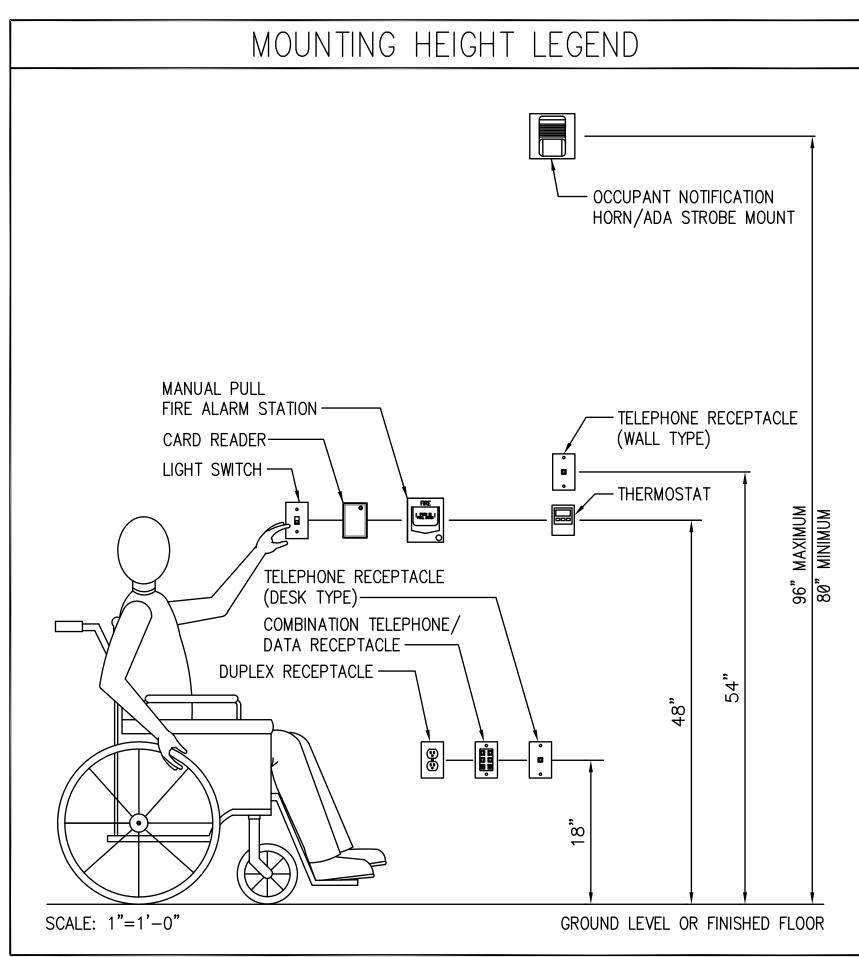
B18-112 CHECKED MNB JULY 2024

AS SHOWN

CSI:

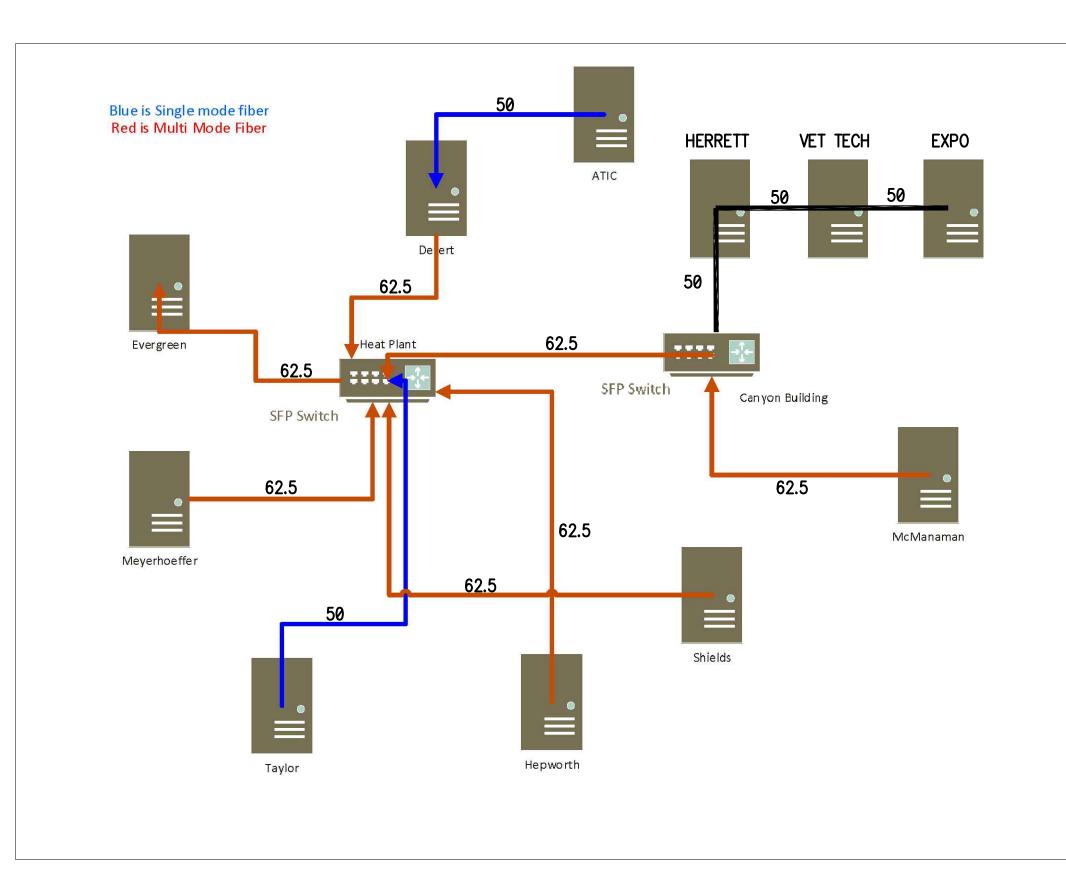
T1.0





MOUNTING HEIGHT TYPICAL UNLESS NOTED OTHERWISE ON PLANS

All reach ranges to be as per the 2009 ANSI A117.1



FIBER MAP SCALE: NTS

ABBREVIATIONS **ALUMINUM** AMPERE INTERRUPTING CAPACITY AIC AWG AMERICAN WIRE GAUGE BARE COPPER CONDUIT CB CIRCUIT BREAKER CKT CIRCUIT CURRENT TRANSFORMER COPPER DISC DISCONNECT DRAWING ELECTRICAL METALLIC TUBING FREQUENCY IN CYCLES PER SECOND FUSE FUSIBLE SWITCH FS GEN GFI GND GENERATOR GROUND FAULT INTERRUPTER GROUND HORSEPOWER HIGH PRESSURE SODIUM INTERMEDIATE METALLIC CONDUIT INCANDESCENT KILOVOLT KILOWATT VOLT AMPS KILOWATT(S) THOUSAND CIRCULAR MIL(S) LATCH BOLT MONITORING MINIMUM CIRCUIT AMPS MOTOR CONTROL CENTER MAIN LUG ONLY NORMALLY CLOSED NORMALLY OPEN NATIONAL ELECTRIC CODE NOT IN CONTRACT NTS NOT TO SCALE PNL PANEL POLYVINYL CHLORIDE PVC MOTORIZED PUSH PAD HARDWARE RIGID GALVANIZED STEEL RGS REQUEST TO EXIT SWITCHBOARD SWBD XMFR TRANSFORMER

TYP

TYPICAL

VOLT(S)

VOLTAMP(S)

WATT(S)
WEATHER PROOF

UNDERGROUND

UNLESS NOTED OTHERWISE

UNINTERRUPTED POWER SYSTEM

DATA/COMMUNICATIONS LEGEND DATA JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. DATA/COMM QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. COMMUNICATIONS JACK, +18" UNLESS NOTED OTHERWISE # INDICATES QUANTITY OF STRUCTURED CABLES TERMINATING ON RJ45 JACK(S) AT FACEPLATE. ROUGH-IN JUNCTION BOX AT +18", UNLESS NOTED OTHERWISE (ROUGH IN ONLY, NO CABLES) SURFACE RACEWAY DATA/COMM/POWER FLOOR BOX 19" 4 POST NETWORK RACK 19" 2 POST NETWORK RACK WALL MOUNTED NETWORK RACK

	WALL MOUNTED NETWORK RACK
NOTE:	ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT
	SECURITY LEGEND
	BULLET CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
O ₄	DOME CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT W — WALL MOUNT WP — WEATHERPROOF
- ऴ -	PANORAMIC CAMERA 1 GRAY CAT6 CABLE
	C — CEILING MOUNT
CR	CARD READER
ESS	ELECTRIC STRIKE - SURFACE
ESR	ELECTRIC STRIKE - RECESSED IN FRAME
ECB	ELECTRIC CRASH BAR
DC	DOOR CONTACT
ETH	ENERGY TRANSFER HINGE
EPT	ENERGY POWER TRANSFER
WDC	WIRELESS DOOR CONTACT
MRX	MOTION SENSOR REQUEST TO EXIT
RX	REQUEST TO EXIT
•	PANIC BUTTON
WHS	WIRELESS HANDLE SET
HS	HANDLE SET
PS	
ADA	ADA ACTUATOR BUTTON
ADO	AUTOMATIC DOOR OPENER

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

POWER LEGEND	
\$•	MANUAL MOTOR STARTER SWITCH
	TIMECLOCK
C	CONTACTOR
IC	IRRIGATION CONTROL PANEL
DS ^J XP-XA-X	DISCONNECT SWITCH POLES, AMPS, AND NEMA ENCLOSURE TYPE AS NOTED
T XP-XA-X XA FUSES	FUSED DISCONNECT SWITCH POLES, AMPS, NEMA ENCLOSURE TYPE, AND FUSE SIZE AS NOTED
(THERMOSTAT, AT +48 INCHES
♦	MOTOR F INDICATES FAN (FRACTIONAL HORSEPOWER) # INDICATES MOTOR SIZE (IN HORSEPOWER)
0	JUNCTION BOX
S	RECESSED AUDIO SPEAKER
\bigcirc	VOLUME CONTROL, AT +48 INCHES
	ELECTRICAL PANEL
— w —	SURFACE RACEWAY
GFI C ⇒ SPD WP	DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
GFI C → SPD WP	DOUBLE DUPLEX RECEPTACLE AT +18 INCHES UNLESS NOTED OTHERWISE GFI GROUND FAULT INTERRUPTER C MOUNTED ON CEILING SPD SURGE SUPPRESSION WP IN-USE WEATHERPROOF RATED COVER WITH WEATHER RESISTANT GFI RECEPTACLE
ф©	DATA/COMM/POWER FLOOR BOX
REB	RECESSED ENTERTAINMENT BOX
CR	CARD READER BOX
⟨TV⟩	TELEVISION DUPLEX RECEPTACLE AND CABLE JUNCTION BOX LOCATION
	30A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION
•	50A, 250V SPECIAL PURPOSE RECEPTACLE VERIFY NEMA PLUG TYPE REQUIRED PRIOR TO INSTALLATION

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

I: ENTRY ACCESS CONTROLS, PHASE II
COLLEGE OF SOUTHERN IDAHO
TWIN FALLS, ID

PROJECT B18-112

DRAWN DBH

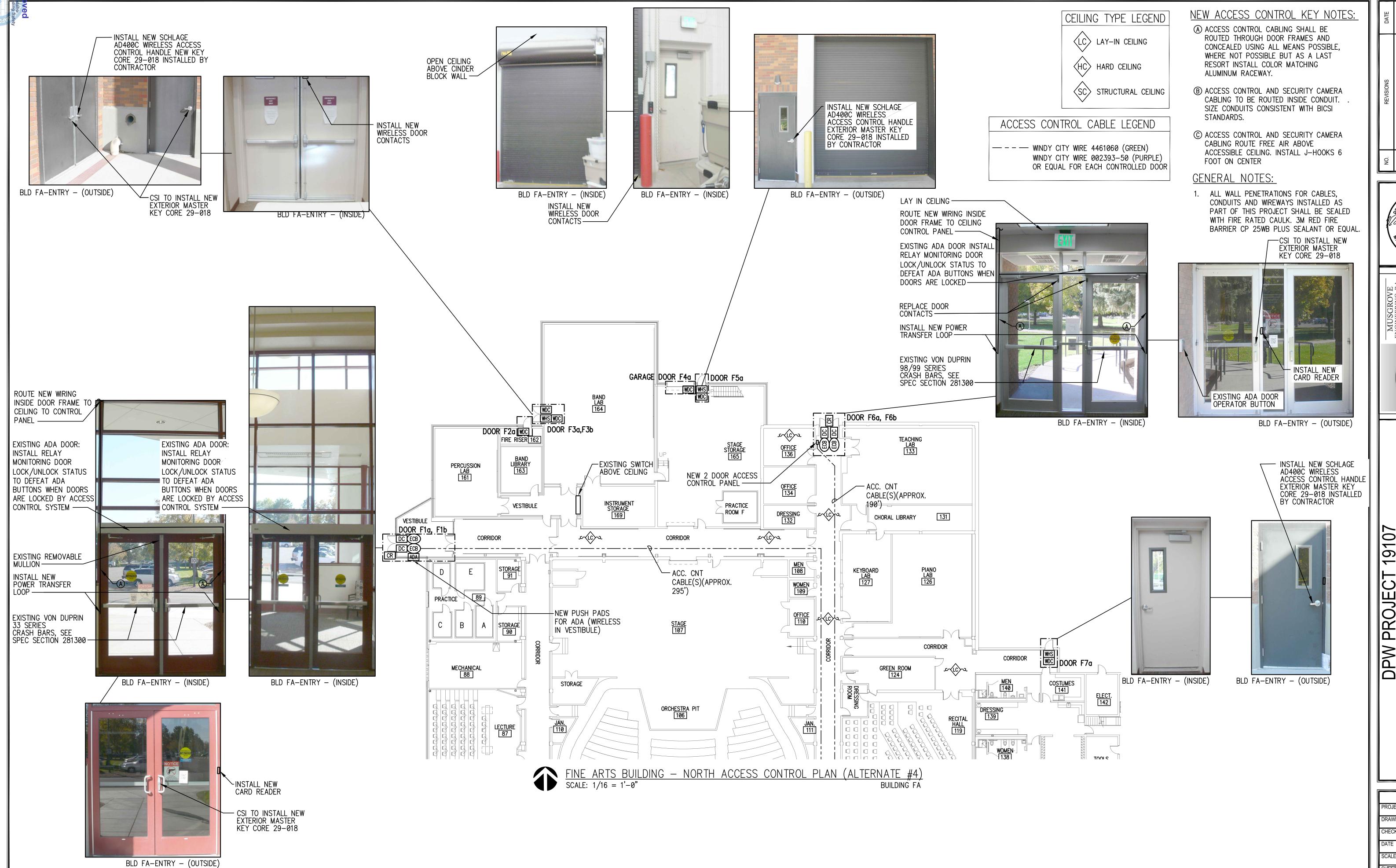
CHECKED MNB

DATE JULY 2024

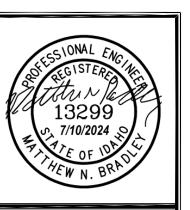
SCALE AS SHOWN

CSI:

T1.1



NO. REVISIONS DATE



MUSGROVE
ENGINEERING, P.A.
234 S. Whisperwood Way
Boise, ID 83709
208.384.0585
645 West 25th Street
Idaho Falls, ID 83402
208.523.2862
www.musgrovepa.com
RS OF EXCELLENCE



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

PROJECT B18-112

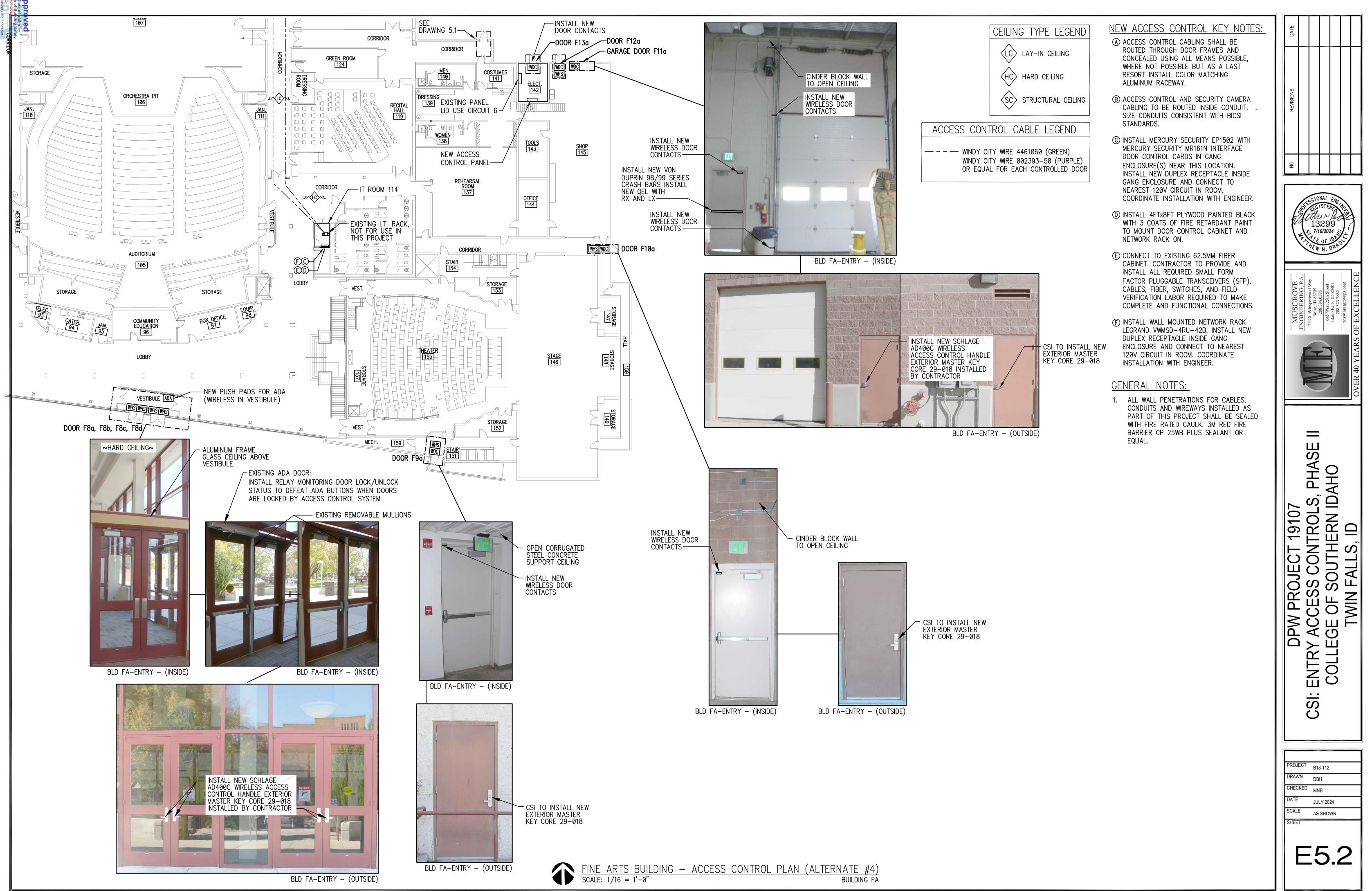
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ATE JULY 2024

CALE AS SHOWN

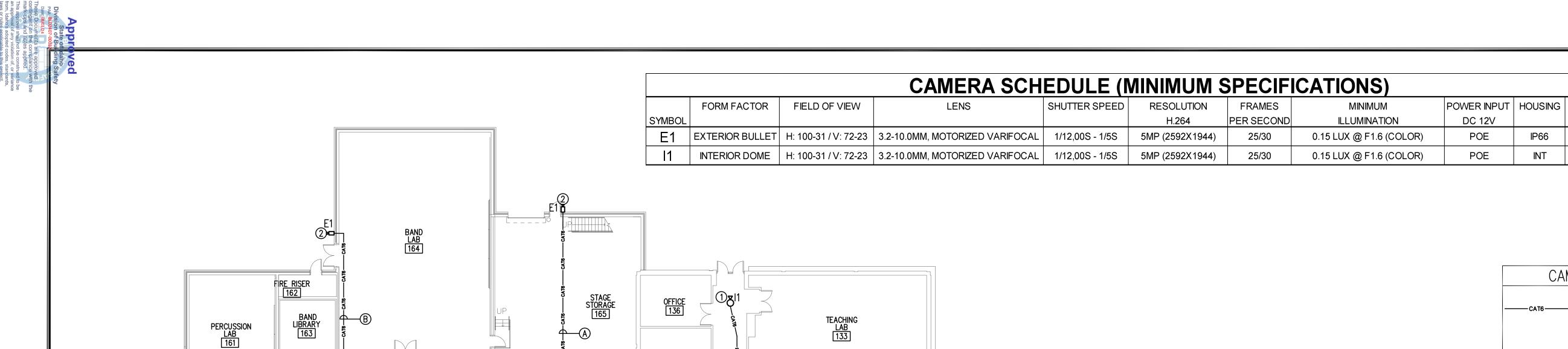
E5.1







S



131

CORRIDOR

DRESSING
[139] EXISTING PANEL

<u>wome</u>n]

LID USE CIRCUIT 6-

NEW ACCESS CONTROL PANEL—

CHORAL LIBRARY

PRACTICE ROOM F

CORRIDOR

ORCHESTRA PIT

STORAGE

AUDITORIUM 105

VESTIBULE

STUDIO OFFICE 84 B

STUDIO OFFICE 84 A

PRACTICE

MECHANICAL 88

~HARD CEILING~ LECTURE 87

STORAGE

STORAGE

SECURITY CAMERA KEY NOTES:

- (A) 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

OPERATING

TEMPERATURE

-30 C TO 55 C

-10 C TO 55 C

INT

— CAT6 — WINDY CITY WIRE 5566080/23-4P (GRAY) OR EQUAL

CEILING TYPE LEGEND

(LC) LAY-IN CEILING

(HC) HARD CEILING

SC STRUCTURAL CEILING

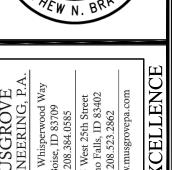
DRAWING KEY NOTES:

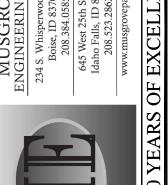
- ① CONTRACTOR TO PROVIDE AND INSTALL DOME CAMERA, TYPE AS INDICATED, ON ACCESSIBLE CEILING TILE.
- ② CONTRACTOR TO PROVIDE AND INSTALL EXTERIOR BULLET CAMERA, TYPE AS INDICATED.
- 3 NEW FIBER CONNECTIONS BACK TO MAIN IT CLOSET INSTALLED BY CSI IT.
- (4) EXISTING CAMERA TO REMAIN.

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.









S CSI: ENTRY ACCESS CUINTINCE, ID TWIN FALLS, ID JECT 19107 CONTROLS, DPW PROJEC

JULY 2024 AS SHOWN

E5.3

FINE ARTS BUILDING — SECURITY CAMERA PLAN (ALTERNATE #4)
SCALE: 1/16 = 1'-0"
BUILDING FA