ELEC	CTRICAL LEGEND - LIGHTING
REFER AND FI	RENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, IXTURE TYPE.
	DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR.
Η	WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
\bigotimes	SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR.
НØ	WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
◄—	ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN.
	1'X1' LIGHT FIXTURE.
	1'X1' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
440	TRACK LIGHT
	1'X4' LIGHT FIXTURE.
	1'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	2'X4' LIGHT FIXTURE.
	2'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
\square	2'X2' LIGHT FIXTURE.
	2'X2' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
	DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR
	STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
	STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR
Ŧ	WALL MOUNTED LIGHT FIXTURE.
Ł	WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
Φ	RECESSED LIGHT FIXTURE
\$	RECESSED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
0	ROUND LIGHT FIXTURE
0	ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
ю	WALL MOUNTED LIGHT FIXTURE.
нØ	WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
⊶□	POLE LIGHT 1 HEAD WITH POLE
\diamondsuit	TIME CLOCK
\bigotimes	PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.
03	OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED.
D	LED DRIVER
_	EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR.
₹_ ₽	EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED CONDUCTOR.
	WALL MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
	CEILING MOUNTED. SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
	CEILING MOUNTED. DOUBLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
XXX	INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.
НØ	EXTERIOR WALL PACK

EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY

BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR

ΗZ

DEVICES SWITCH, TYPE AS INDICATED. +46"AFF DOUBLE POLE 3-WAY 4-WAY K KEYED P PILOT LIGHT D DIMMER HP HORSEPOWER RATED TO THERMAL OVERLOAD LV LOW VOLTAGE OS OCCUPANCY SENSOR OR LOW VOLTAGE. MOMENTARY OVERRIDE VS VACANCY SENSOR a SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER \$S DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY. DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND Sốs OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY. OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING. Φ SINGLE CONVENIENCE OUTLET, +18" AFF UNO Φ FLOOR MOUNT SINGLE CONVENIENCE OUTLET Φ DUPLEX CONVENIENCE OUTLET, +18" AFF UNO FLOOR MOUNT DUPLEX CONVENIENCE OUTLET EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO FOURPLEX CONVENIENCE OUTLET. +18"AFF UNO FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET CONNECTION POINT TO EQUIPMENT SPECIFIED, ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO ۲ FLOOR MOUNTED CONNECTION POINT, SEE NOTE ABOVE FOR REQUIREMENTS 0 FLOOR MOUNTED JUNCTION BOX \bigcirc JUNCTION BOX Ю WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO HOHC WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO \boxtimes MOTOR STARTER/CONTACTOR, SIZE/POLES NEMA 1 UNO AS INDICATED COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE \boxtimes AS INDICATED, NEMA 1 UNO FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, L L J NFMA 1 UNO NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO THERMOSTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH **DIVISION 15.** (unit-#) HUMIDISTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. POWER POLE - DUAL CHANNEL REB RECESSED ENTERTAINMENT BOX TRANSFORMER \leq PANELBOARD. SEE SCHEDULE FOR TYPE. EQUIPMENT CABINET, SURFACE MOUNTED EQUIPMENT CABINET FLUSH MOUNTED SURFACE MULTI-OUTLET RACEWAY MECHANICAL EQUIPMENT CALL OUT KITCHEN EQUIPMENT CALLOUT





SECURITY

	CCTV CAMERA POWER SUPPLY
1	CCTV SYSTEM POWER SUPPLY
	ADJUSTABLE CAMERA (PAN/TILT/ZOOM)
	FIXED CAMERA
	CAMERA IN OUTDOOR HOUSING
⊐ }	ADJUSTABLE CAMERA (PAN/TILT/ZOOM) IN OUTDOOR HOUSING
\rangle	CCTV OUTLET, +18" UNO
\rangle	CEILING MOUNTED CCTV OUTLET
	SECURITY SYSTEM KEYPAD CONTROLLER COORDINATE BOX SIZE AND MUDRING WITH VENDOR
R	CARD READER
	CEILING MOUNTED MOTION SENSOR
+80"	WALL MOUNTED MOTION SENSOR, MOUNTING HEIGHT INDICATED
ס	PANIC BUTTON - MOUNTED UNDER COUNTER

NOTE: THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS. SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS DRAWING PACKAGE.

	FIRE ALARM - DESIGN BUILD NOTES		ELECTRIC
	A. THE FIRE ALARM SYSTEM WILL BE DESIGN BUILD BY THE CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL PRODUCE A FIRE ALARM SUBMITTAL THAT INCLUDES ALL DRAWINGS, CALCULATIONS AND CUT SHEETS REQUIRED TO OBTAIN COMPLETE		ABBREVIAT
	APPROVAL FROM ALL APPROVING AGENCIES. B. THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM SUBMITTALS TO THE	A AC AFF	AMPERES 6" ABOVE BACKSPLASH ABOVE FINISHED FLOOR
	ENGINEER OF RECORD FOR REVIEW PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION AND AND SHALL NOT PROCEED UNTIL THESE SUBMITTALS HAVE BEEN REVIEWED, APPROVED AND RETURNED.	AFG AF	ABOVE FINISHED GRADE
	C. REFER TO THE ARCHITECTURAL CODE PLAN(S) FOR THE OCCUPANCY TYPES AND OCCUPANCY LOADS FOR EACH AREA.	AIC AT ATS AWG	AMPS INTERRUPTING CAPACITY AMP TRIP AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE
H POLE	D. UTILIZE CURRENTLY ADOPTED CODES AND AMENDMENTS FOR FIRE ALARM REQUIREMENTS.	BD BS	BOTTOM OF DECK BOTTOM OF STRUCTURE
	E. THE FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE ALARM INITIATING, MONITORING (SMOKE/ FIRE/ CARBON MONOXIDE), INTERFACE AND RELATED DEVICES AND EQUIPMENT AS REQUIRED FOR A COMPLETE AND FUNCTIONING CODE COMPLIANT SYSTEM.	C C CB CF	CEILING MOUNTED CONDUIT CIRCUIT BREAKER COMPACT FLUORESCENT
	F. THE FIRE ALARM SYSTEM SHALL PROVIDE ALL REQUIRED AUDIO (VOICE-EVACUATION) AND VISUAL NOTIFICATION THROUGH OUT THE FACILITY. COORDINATE THE MOUNTING HEIGHTS OF THE NOTIFICATION DEVICES WITH THE CEILING AND STRUCTURE HEIGHTS IN THE BUILDING. REFER TO ARCHITECTURAL	CKT CO CT CTL	CIRCUIT CONDUIT ONLY, PROVIDE PULL CURRENT TRANSFORMER CONTROL
	 PLANS FOR CEILING/STRUCTURE INFORMATION. G. PROVIDE ALL IN-DUCT AND/OR DUCT SMOKE DUCT DETECTORS AS REQUIRED. COORDINATE THE FINAL QUANTITY AND LOCATIONS WITH MECHANICAL CONTRACTOR 	DC (D) DEMO DET DTT	DIRECT CURRENT DEMOLITION DEMOLITION DETAIL DOUBLE TWIN TUBE
D	H. THE FIRE ALARM CONTROL PANEL SHALL BE LOCATED IN THE UTILITY RM 128. THE NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLIES SHALL BE LOCATED IN ELECTRICAL ROOMS, STORAGE AND SIMILAR ROOMS ADJACENT TO ELECTRICAL	E (E) EC EL	EMERGENCY EXISTING ELECTRICAL CONTRACTOR EMERGENCY LIGHT
	PANELS. I. PROVIDE 120V POWER, CONTROL RELAYS AND IN-DUCT DETECTORS FOR ALL SMOKE AND SMOKE/FIRE DAMPERS, COORDINATE WITH MECHANICAL PLANS	F (F) FACP	FUSE FUTURE FIRE ALARM CONTROL PANEL
1 UNO	J. PROVIDE SMOKE DETECTORS, RELAYS AND RELATED CONNECTIONS FOR ALL DOOR HOLD OPENS AS REQUIRED.	G/GND GFCI GFI	GROUND GROUND FAULT CIRCUIT INTER GROUND FAULT INTERRUPTER
-	K. PROVIDE ALL 120V CIRCUITS AS REQUIRED TO ACCOMMODATE FIRE ALARM CONTROL PANEL, DRY SYSTEM AIR COMPRESSOR(S), NITROGEN GENERATOR(S), FIRE BELLS, NAC EXTENDER PANELS, AMPLIFIER PANELS AND RELATED ITEMS.	HH HID HOA HPS HVAC	HAND HOLE HIGH INTENSITY DISCHARGE HAND-OFF-AUTO HIGH PRESSURE SODIUM HEATING VENTILATION & AIP C
	L. ALL FIRE ALARM CIRCUIT BREAKERS SHALL HAVE A RED HANDLE AND BE LOCKABLE TYPE.	IG	ISOLATED GROUND IDAHO POWER COMPANY
	M. THE FIRE ALARM SYSTEM SHALL INCLUDE A FLUSH MOUNTED REMOTE ANNUNCIATOR LOCATED IN AN OCCUPIED AREA IN THE SECURITY VESTIBULE, RECEPTION, MAIN OFFICE OR SIMILAR AREA(S). THE LOCATION(S) SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER PRIOR TO PREPARING THE DECUMPED SUMMETALS	J-BOX KA KVA KW	JUNCTION BOX KILOAMP KILO VOLT-AMP KILOWATT
NDICATOR	N. FIRE ALARM CABLING SHALL BE CONCEALED. AREAS IN WALLS, ABOVE HARD CEILINGS AND SIMILAR (NON-ACCESSIBLE AREAS) SHALL BE IN CONDUIT. EXPOSED	KWH LCP	KILOWATT HOUR
	CABLING IS NOT ALLOWED.O. PROVIDE ALL DETECTION, MONITOR AND CONTROL DEVICES AS REQUIRED FOR THE	MB MBR MCC MDP	MAIN BREAKER MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN DISTRIBUTION PANEL
	ELEVATOR(S). P. THE FIRE ALARM CONTRACTOR SHALL PRODUCE RECORD DOCUMENTS OF THE ACTUAL SYSTEM AS INSTALLED. THE RECORD DOCUMENTS SHALL BE PRODUCED TO THE ACCEPTANCE OF THE ARCHITECT AND ENGINEER. ONE COMPLETE SET OF	MLO MMC MH MSB MTG	MAIN LUGS ONLY MODULAR METERING CENTER METAL HALIDE MAIN SWITCH BOARD MOUNTING
1 UNO	PRINTED DOCUMENTS AND A PDF VERSION SHALL BE DELIVERED TO THE ARCHITECT.	N (N) NC	NEUTRAL NEW NORMALLY CLOSED
	Q. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIPCULTING AS REQUIRED FOR A COMPLETE INSTALLATION. CIPCULT THE FIRE	NEC NIC NL NO NTS	NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NOT TO SCALE
	ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL	OH OS	OVERHEAD OCCUPANCY SENSOR
	FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES. R. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.	P PC PVC PWR	POLES PHOTO-CONTROL POLYVINYL CHLORIDE POWER
		RE: REC (R)	REFERENCE RECEPTACLE RELOCATED
		SF	
	JUNCTION BOX FOR FUTURE TELEPHONE/DATA OUTLET. MOUNT AT 18"	TDR TK TSP	TIME DELAY RELAY TOE KICK TWISTED SHIELDED PAIR
	A.F.F. UNO. PROVIDE SINGLE-GANG MUD RING WITH BLANK COVER PLATE. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.	TRT TTB (TYP.)	TRIPLE TUBE TELEPHONE TERMINAL BOARD TYPICAL
	 TELEPHONE/DATA OUTLET. MOUNT AT 18 A.F.F. UNO. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED. 	UC UG U.N.O.	UNDERCABINET UNDERGROUND UNLESS NOTED OTHERWISE
	FLOOR MOUNTED BOX FOR FUTURE TELEPHONE/DATA OUTLET. JUNCTION BOX WITH SINGLE-GANG MUD RING. PROVIDE 1" CONDUIT	V VA W	VOLT VOLT-AMPERE WATT
	PLATE.	WG WP	

- FLOOR MOUNTED TELEPHONE/DATA OUTLET. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
 - INTERCOM SYSTEM CALL BUTTON. +46" UNO. CEILING MOUNTED SPEAKER WITH BACKBOX
- (SP) WALL MOUNTED IP CLOCK SPEAKER COMBINATION UNIT FOR ЮP INTERCOM SYSTEM, WITH BACKBOX +8'-0" UNO
- ΗV VOLUME CONTROL, +46" UNO

IC

- TELEVISION OUTLET, +18" AFF UNO. PROVIDE 1-1/4" CONDUIT TO КØ NEAREST ACCESSIBLE CEILING SPACE
- 令》 CEILING MOUNTED TELEVISION OUTLET
- TELEPHONE TERMINAL BOARD TTB
- CT-XX CABLE TRAY, 4" DEEP, WIRE BASKET STYLE, 'XX' INDICATES WIDTH
 - PROVIDE ALL FITTINGS AND SUPPORT HARDWARE REQUIRED

RICAL IATIONS

APACITY

SWITCH

E PULL-LINE

INTERRUPTER JPTER

RGE

& AIR CONDITIONING

INSTALLED/

INSTALL

NOTE:

PROVIDED/ PROVIDE AND INSTALL / PROVIDED AND PROVIDE BY INSTALLED BY / PROVIDE AND INSTALL

> THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

ELECTRICAL GENERAL NOTES

- A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.
- ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.
- D. PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.
- E. TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.
- MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- G. ALL NON-LOCKING, 120-V, 15 AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER-RESISTENT RECEPTACLES PER NEC 406.12
- H. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.
- CONTRACTOR SHALL COORDINATE WITH AN UNDERGROUND LOCATING SERVICE PRIOR TO COMMENCING WORK. SEE CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION. COORDINATE WITH OTHER SITE DISCIPLINES.
- SITE LIGHTING AND UTILITY EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS, PROPERTY LINES, AND UTILITY COMPANIES PRIOR TO ROUGH-IN.
- K. REFER TO POLE BASE DETAIL FOR SITE LIGHTING POLE BASE REQUIREMENTS. ROUTE CONDUITS IN COMMON TRENCH WHERE POSSIBLE REFER TO
- TRENCHING DETAIL. M. THE ELECTRICAL DEMOLITION DRAWING(S) PROVIDED ARE INTENDED TO ASSIST THE ELECTRICAL CONTRACTOR IN ESTABLISHING AREAS REQUIRING DISCONNECTION, REMOVAL, OR RELOCATION OF ELECTRICAL EQUIPMENT, OUTLETS, WIRING, DEVICES, FIXTURES, ETC. AND MAY NOT INDICATE ALL DEVICES OR THE FULL EXTENT OF DEMOLITION AND RECONNECTION WHICH MAY BE REQUIRED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY EXAMINE ALL REQUIRED DEMOLITION WORK AND INCLUDE ALL LABOR AND INCIDENTALS THAT WILL BE NECESSARY TO PERFORM DEMOLITION RECONNECTION AND TEMPORARY POWER CONNECTIONS IN THE
- N. ALL ELECTRICAL DEVICES AND WALLS INDICATED ON THE ELECTRICAL DEMOLITION DRAWING(S) ARE TO REMAIN UNLESS OTHERWISE NOTED.

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F-2.1	ELECTRICAL DEMOLITION PLAN - AREA 'A'
E-2.2	ELECTRICAL DEMOLITION PLAN - AREA 'B'
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E-10.2 ELECTRICAL SCHEDULES



Project Information			Angelo Neglia - Electrical Designor	Arrock, Mail: 00/01/0000
Energy Code: Project Title: Project Type:	2018 IECC Jefferson Elementary School Addittion Addition	and Remodel	Name - Title	Signature Date
Construction Site: 600 N. Fillmore Street Jerome, ID 83338	Owner/Agent: LKV Architects 2400 E Riverwalk Drive Boise, ID 83706	Designer/Contractor: Musgrove Engineering 234 S Whisperwood Way Boise, ID 83709 208-384-0585		
llowed Interior Lighting	Power			
	A Area Category	B C D Floor Area Allowed Allowed Watts (ft2) Watts / ft2 (B X C)		
School/University		47424 0.81 38413 Total Allowed Watts = 38413		
roposed Interior Lighting	g Power	в с р е		
Fixture ID : Descr	ription / Lamp / Wattage Per Lamp / Ballast	Lamps/ # of Fixture (C X D) Fixture Fixtures Watt.		
-School/University LED 1: BL1: Other:		1 9 20 183		
LED 3: FL1: Other: LED 18: FL2: Other:		$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
LED 3: GL1: Other: LED 4: GL2: Other: LED 4: GL2A: Other:		1 110 32 3487 1 188 24 4437 1 1 24 04		
LED 5: GL3: Other: LED 5: GL3: Other: LED 5: GL3A: Other:		1 23 32 743 1 10 32 323		
LED 6: HB1: Other: LED 7: RL1: Other:		1 24 105 2520 1 9 10 94		
LED 8: RL2: Other: LED 10: SL1: Other: LED 11: SL2: Other:		1 13 22 292 1 1 17 17 1 5 13 65		
LED 12: WB1: Other: LED 13: WB2: Other:		1 13 19 243 1 2 12 24		
Track lighting 1: TL1: Wattage Track lighting 2: TL1: Wattage Track lighting 3: TL1: Wattage	based on total luminaires based on total luminaires based on total luminaires	0 0 100 100 0 0 100 100 0 0 100 100		
Track lighting 4: TL1: Wattage LED 9 copy 1: SL1: Other:	based on total luminaires	0 0 100 100 		
	neck Software Version 4.1 rior Lighting Compl	L.5.3 liance Certificate		E COMMISSIONING COMPLIAN
COMCR Exter Exter roject Information	peck Software Version 4.1 rior Lighting Compl	L.5.3 liance Certificate	ENERGY CODE SECTION 408 SYSTEM COMMISSIONING IT SHALL BE THE ELECTRICAL CONTRACTOR'S F OCCUPANCY:	E COMMISSIONING COMPLIAN
COMC Extern Extern roject Information hergy Code: roject Title: roject Title: roject Type: terior Lighting Zone	2018 IECC Jefferson Elementary School Addition 2 (Residentially zoned area (LZ2))	L.5.3 liance Certificate	ENERGY CODE SECTION 408 SYSTEM COMMISSIONING IT SHALL BE THE ELECTRICAL CONTRACTOR'S FOCCUPANCY: A. <u>AS-BUILT DRAWINGS</u> - DRAWINGS SHALL	E COMMISSIONING COMPLIAN RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 DA
COMCH Exter Exter Project Information nergy Code: roject Title: roject Title: roject Type: xterior Lighting Zone	2018 IECC Jefferson Elementary School Addittion Addition 2 (Residentially zoned area (LZ2))	L.5.3 Iance Certificate and Remodel	ENERGY CODE SECTION 408 SYSTEM COMMISSIONING IT SHALL BE THE ELECTRICAL CONTRACTOR'S F OCCUPANCY: A. <u>AS-BUILT DRAWINGS</u> - DRAWINGS SHALL B. <u>OPERATING AND MAINTENANCE MANUAR</u>	E COMMISSIONING COMPLIAN RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 DA L INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MEC LS - MANUALS SHALL INCLUDE THE FOLLOWING:
COMC Exter Exter Solution Comparison Comporison Comparison Comparison Comparison Comparison Compari	2018 IECC Jefferson Elementary School Addittion Addition 2 (Residentially zoned area (LZ2))	L.5.3 liance Certificate and Remodel	ENERGY CODE SECTION 408 SYSTEM COMMISSIONING IT SHALL BE THE ELECTRICAL CONTRACTOR'S F OCCUPANCY: A. <u>AS-BUILT DRAWINGS</u> - DRAWINGS SHALL B. <u>OPERATING AND MAINTENANCE MANUAL</u> 1. SUBMITTAL DATA ON ALL PIEC 2. MANUFACTURER'S OPERATIO CLEARLY IDENTIFIED.	E COMMISSIONING COMPLIAN RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 D/ L INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MER LS - MANUALS SHALL INCLUDE THE FOLLOWING: CES OF EQUIPMENT REQUIRING MAINTENANCE. DNS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MAI
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COMCA Exterior Exterior Project Information nergy Code: roject Title: roject Type: xterior Lighting Zone construction Site: 600 N. Fillmore Street Jerome, ID 83338 Ilowed Exterior Lighting A Area/Surface O Pedestrian and vehicular entrance (a) Wattage tradeoffs are only (b) A supplemental allowance roposed Exterior Lightin Fixture ID : Descri edestrian and vehicular entrance	Peck Software Version 4.1 rior Lighting Completion 2018 IECC Jefferson Elementary School Addittion 2 (Residentially zoned area (LZ2)) Owner/Agent: LKV Architects 2400 E Riverwalk Drive Boise, ID 83706 Power Category B Quantity es and exits 21 ft of door Idlowed between tradable areas/surfaces. equal to 400 watts may be applied toward compliance of the power A ription / Lamp / Wattage Per Lamp / Ballast unces and exits (21 ft of door width): Tradable Wattage	L.5.3 Lance Certificate and Remodel Designer/Contractor: Musgrove Engineering 234 S Whisperwood Way Boise, ID 83709 208-384-0585 $\frac{C}{Malowed}$ $\frac{D}{Tradable}$ $\frac{E}{Mlowed Watts}$ $\frac{D}{Matts} / Unit$ $\frac{Tradable}{Wattage}$ $\frac{Allowed Watts}{(B X C)}$ $\frac{D}{Total Tradable Watts (a) = 294}{Total Allowed Watts = 294}{Allowed Supplemental Watts (b) = 400}$ $\frac{1}{Total Tradable and tradable areas/surfacest$ $\frac{B}{Lamps/}$ $\frac{C}{# of}$ $\frac{D}{Fixture}$ $\frac{E}{(C X D)}$ $\frac{Ttage}{1}$ $\frac{1}{1}$ $\frac{10}{10}$ $\frac{10}{30}$	ENERGY CODE SECTION 408 SYSTEM COMMISSIONING IT SHALL BE THE ELECTRICAL CONTRACTORS F OCCUPANCY: A. <u>AS-BUILT DRAWINGS</u> - DRAWINGS SHALL B. <u>OPERATING AND MAINTENANCE MANUAL</u> 1. SUBMITTAL DATA ON ALL PIEC 2. MANUFACTURER'S OPERATIO CLEARLY IDENTIFIED. 3. NAME AND ADDRESS AND PHO 4. LIGHTING CONTROL SYSTEMS SCHEMATICS, AND CONTROL RECORDED ON CONTROL DRA INSTRUCTIONS. 5. A NARRATIVE ON HOW EACH C. <u>LIGHTING SYSTEM FUNCTIONAL TESTING</u> FUNCTIONAL TESTING - ALL AUTOM SOFTWARE ARE CALIBRATED, ADJU DOCUMENTS AND MANUFACTURER WHERE OCCUPANT SENSORS, TIME SWITT FOLLOWING PROCEDURES SHALL BE PRE 1. CONFIRM THAT THE PLACEME 2. CONFIRM THAT THE PLACEME 3. CONFIRM THAT THE PLACEME 3. CONFIRM THAT THE PLACEME 4. CONFIRM THAT THE PLACEME 1. CONFIRM THAT THE PLACEME 2. ONFIRM THAT THE PLACEME 3. CONFIRM THAT THE PLACEME 4. MOUNT OF USABLE DAYLIGH D. <u>FINAL LIGHTING SYSTEM FUNCTIONAL R</u> REPORT'' SHALL BE DELIVERED TO THE THE	E COMMISSIONING COMPLIAN RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 D/ LINCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MER- LS - MANUALS SHALL INCLUDE THE FOLLOWING: CES OF EQUIPMENT REQUIRING MAINTENANCE. INS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MAIN ONE NUMBER OF OF AT LEAST ONE (1) SERVICE PROVIDED. S MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGF SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPOINT: AWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, IN LIGHTING SYSTEM IN INTENDED TO OPERATE, INCLUDING RECOMMENDED SE G REQUIREMENTS MATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE TH USTED, PIROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDA RS INSTALLATION INSTRUCTIONS. CHES, PROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CON FORMED: ENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS' ITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO ENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDU AT IN THE SPACE AS SPECIFIED. ELEPORT - A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS THE BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING:
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Construction Site: Project Information Energy Code: Project Title: Project Type: Exterior Lighting Zone Construction Site: 600 N. Fillmore Street Jerome, ID 83338 Allowed Exterior Lighting A Area/Surface O Pedestrian and vehicular entrance (a) Wattage tradeoffs are only (b) A supplemental allowance Proposed Exterior Lighting Fixture ID : Descr Pedestrian and vehicular entrance (a) Wattage tradeoffs are only (b) A supplemental allowance Proposed Exterior Lighting Fixture ID : Descr Pedestrian and vehicular entrance Exterior Lighting PASSES Exterior Lighting Complia Compliance Statement: The proposed Exterior Lighting Exterior Lighting Complia Compliance Statement: The proposed Exterior Lighting Compliance Statement: The proposed Exterior Lighting Compliance Statement: Compliance Statement:	Peck Software Version 4.1 rior Lighting Compl 2018 IECC Jefferson Elementary School Addittion 2 (Residentially zoned area (LZ2)) Owner/Agent: LKV Architects 2400 E Riverwalk Drive Boise, ID 83706 Power Power Category B Quantity as and exits 21 ft of door Total A allowed between tradable areas/surfaces. equal to 400 watts may be applied toward compliance of a Complexity of the complexity of the complexity of the complexity and exits 21 ft of door Total A allowed between tradable areas/surfaces. equal to 400 watts may be applied toward compliance of a Complexity of the complexi	LISS LIBUAL CONTRACTOR and Remodel Designer/Contractor: Musgrove Engineering 234 S Whisperwood Way Boise, ID 83709 208-384-0585 $\frac{C}{Vatts} \frac{D}{Vattage} \frac{E}{Allowed Watts}}{(B X C)}$ $\frac{1}{Vatts} \sqrt{\frac{1}{Vattage}} \frac{294}{(B X C)}$ $\frac{1}{Vatts} \sqrt{\frac{1}{Vattage}} \frac{294}{(B X C)}$ $\frac{1}{Vattage} \frac{1}{Vattage} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0}$ Allowed Supplemental Watts (b) = 000 $\frac{1}{Vattage} \frac{1}{1} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0}$ $\frac{1}{1} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0}$ $\frac{1}{Vattage} \frac{1}{1} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0}$ $\frac{1}{Vattage} \frac{1}{1} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0}$ $\frac{1}{Vattage} \frac{1}{1} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0}$ $\frac{1}{Vattage} \frac{1}{1} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0} \frac{1}{0}$ $\frac{1}{Vattage} \frac{1}{Vattage} $	ENERGY CODE SECTION 408 SYSTEM COMMISSIONING IT SHALL BE THE ELECTRICAL CONTRACTOR'S F OCCUPANCY: A. <u>AS-BUILT DRAWINGS</u> - DRAWINGS SHALL B. <u>OPERATING AND MAINTENANCE MANUAL</u> 1. SUBMITTAL DATA ON ALL PIEC 2. MANUFACTURER'S OPERATIO CLEARLY IDENTIFIED. 3. NAME AND ADDRESS AND PHO 4. LIGHTING CONTROL SYSTEMS SCHEMATICS, AND CONTROL RECORDED ON CONTROL DRA INSTRUCTIONS. 5. A NARRATIVE ON HOW EACH C. <u>LIGHTING SYSTEM FUNCTIONAL TESTING</u> FUNCTIONAL TESTING - ALL AUTOM SOFTWARE ARE CALIBRATED, ADJJ DOCUMENTS AND MANUFACTURER WHERE OCCUPANT SENSORS, TIME SWITT FOLLOWING PROCEDURES SHALL BE PRE 1. CONFIRM THAT THE PLACEME 2. CONFIRM THAT THE PLACEME 3. CONFIRM THAT THE PLACEME 4. CONFIRM THAT THE PLACEME 1. CONFIRM THAT THE PLACEME 1. CONFIRM THAT THE PLACEME 2. CONFIRM THAT THE PLACEME 3. CONFIRM THAT THE PLACEME 3. CONFIRM THAT THE PLACEME 4. LIST OF FUNCTIONAL TESTS L 2. RESULTS OF ALL FUNCTIONAL REPORT" SHALL BE DELIVERED TO THE THE 1. LIST OF FUNCTIONAL TESTS L 2. RESULTS OF ALL FUNCTIONAL 3. LIST OF DEFICIENCIES FOUND EQUIPMENT. 4. LIST OF EQUIPMENT NOT ABLI FUNCTIONALLY TESTED ONCE	E COMMISSIONING COMPLIAN RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 D L INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF ME LS - MANUALS SHALL INCLUDE THE FOLLOWING: CES OF EQUIPMENT REQUIRING MAINTENANCE. INS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MA ONE NUMBER OF OF AT LEAST ONE (1) SERVICE PROVIDED. S MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAG SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPOINT AWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, I LIGHTING SYSTEM IN INTENDED TO OPERATE, INCLUDING RECOMMENDED G REQUIREMENTS MATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE T USTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORD. RS INSTALLATION INSTRUCTIONS. CHES, PROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CO TENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS ITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED ENT, SENSITIVITY AND JUSTMENTS FOR PHOTOSENSOR CONTROLS REDI TOT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDI TI THE SPACE AS SPECIFIED. REPORT - A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS T BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING: JSED DURING THE COMMISSIONING PROCESS ON EACH PIECE OF EQUIPMENT. J AND CORRESPONDING CORRECTIVE MEASURES EITHER IMPLEMENTED C E TO BE FUNCTIONALLY TESTED DUE TO CURRENT CLIMATE CONDITIONS. E CLIMATE CHANGES ALLOW.
COMCA Exterior Lighting Zone Allowed Exterior Lighting Construction Site: 600 N. Fillmore Street Jerome, ID 83338 Allowed Exterior Lighting A Area/Surface O Pedestrian and vehicular entrance (a) Wattage tradeoffs are only (b) A supplemental allowance Proposed Exterior Lightin Fixture ID : Descr Pedestrian and vehicular entrance (a) Wattage tradeoffs are only (b) A supplemental allowance Proposed Exterior Lightin Fixture ID : Descr Pedestrian and vehicular entrance (a) Wattage tradeoffs are only (b) A supplemental allowance Proposed Exterior Lightin Fixture ID : Descr Exterior Lighting Complia Compliance Statement: The p specifications, and other calcu designed to meet the 2018 IE requirements listed in the Insp Angelo Neglia - Electri Name - Title	Peeck Software Version 4.1 rior Lighting Completer Jefferson Elementary School Addittion - Addition 2 (Residentially zoned area (LZ2)) Wmer/Agent: LXV Architects 2400 E Riverwalk Drive Boise, ID 83706 Power Category B Quantity as and exits 21 ft of door Idlowed between tradable areas/surfaces. equal to 400 watts may be applied toward compliance of the gover A ription / Lamp / Wattage Per Lamp / Ballast Incess and exits (21 ft of door width): Tradable Watt S: Design 94% better than code marce Statement proposed exterior lighting design represented in the lations submitted with this permit application the lations submitted with the lation the latin	<section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header>	ENERGY CODE SECTION 408 SYSTEM COMMISSIONING IT SHALL BE THE ELECTRICAL CONTRACTOR'S F OCCUPANCY: A. <u>AS-BUILT DRAWINGS</u> - DRAWINGS SHALL B. <u>OPERATING AND MAINTENANCE MANUAR</u> 1. SUBMITTAL DATA ON ALL PIEC 2. MANUFACTURER'S OPERATIO 2. LEARLY IDENTIFIED. 3. NAME AND ADDRESS AND PH 4. LIGHTING CONTROL SYSTEMS SCHEMATICS, AND CONTROL DRY INSTRUCTIONS. 5. A NARRATIVE ON HOW EACH I C. <u>LIGHTING SYSTEM FUNCTIONAL TESTING</u> FUNCTIONAL TESTING - ALL AUTOM SOFTWARE ARE CALIBRATED, ADJU DOCUMENTS AND MANUFACTUREF WHERE OCCUPANT SENSORS, TIME SWITG FOLLOWING PROCEDURES SHALL BE PRE 1. CONFIRM THAT THE PLACEME 2. CONFIRM THAT THE PLACEME 3. CONFIRM THAT THE PLACEME 4. CONFIRM THAT THE PLACEME 1. LIST OF FUNCTIONAL TESTS AMOUNT OF USABLE DAYLIG D. <u>FINAL LIGHTING SYSTEM FUNCTIONAL TESTS</u> 4. LIST OF FUNCTIONAL TESTS 1. LIST OF PLOCENCIES FOUND EQUIPMENT. 4. LIST OF EQUIPMENT NOT ABLI FUNCTIONALLY TESTED ONCE	E COMMISSIONING COMPLIA RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN S INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF LS - MANUALS SHALL INCLUDE THE FOLLOWING: CCS OF EQUIPMENT REQUIRING MAINTENANCE. INS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE ONE NUMBER OF OF AT LEAST ONE (1) SERVICE PROVIDED. SMAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DI SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPC AWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEM LIGHTING SYSTEM IN INTENDED TO OPERATE, INCLUDING RECOMMEND G REQUIREMENTS MATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURI USTED, PIROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING SINSTALLATION INSTRUCTIONS. CHES, PROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING FORMED: ENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSOR TOCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMME ENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS R TI NI THE SPACE AS SPECIFIED. EPORT - A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED A BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING: JSED DURING THE COMMISSIONING PROCESS ON EACH PIECE OF EQUIP LIESTS ON ALL PIECES OF EQUIPMENT. D AND CORRESPONDING CORRECTIVE MEASURES EITHER IMPLEMENTE! E TO BE FUNCTIONALLY TESTED DUE TO CURRENT CLIMATE CONDITION E CLIMATE CHANGES ALLOW.

Report date: 02/21/23 Page 2 of 8

COMPLIANCE NOTES

DCUMENTS WITHIN 90 DAYS OF CERTIFICATE OF

A OF ALL PIECES OF MECHANICAL EQUIPMENT.

- QUIPMENT. ROUTINE MAINTENANCE ACTIONS SHALL BE
- OVIDED. NCLUDING WIRING DIAGRAMS, EQUIPMENT AND SYSTEM DETERMINED SETPOINTS SHALL BE PERMANENTLY L CONTROL SYSTEMS, IN THE SYSTEM PROGRAMMING
- JDING RECOMMENDED SETPOINTS.

Y TESTED TO ENSURE THE CONTROL HARDWARE AND CONDITION IN ACCORDANCE WITH THE CONSTRUCTION

RS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE

- R OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE. LS ARE PROGRAMMED TO TURN THE LIGHTS OFF. ENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE
- SULTS IDENTIFIED AS THE "FINAL LIGHTING CONTROL IE FOLLOWING:
- ACH PIECE OF EQUIPMENT.
- EITHER IMPLEMENTED OR PROPOSED ON EACH PIECE OF
- CLIMATE CONDITIONS. THESE PIECES OF EQUIPMENT WILL

IECC 2018 DAYLIGHT-

IS DAYLIGHT-RESPONSIVE CONTROL RE

IECC C405.3.1 (EQUATION 4-10) TOTAL CONNECTED INTERIOR LIGHTING POW TCLP = LVL+BLL+LED+TRK+OTHER

IECC C405.2.3 Exception 4 (EQUATION 4-9) ADJUSTED BUILDING INTERIOR LIGHTING POW LPAADJ =[LPA NORM * (1.0-(0.4*(UDZFA/TBFA))

REDUCED LIGHTING POWER ALLOWANCE (W) LPANORM = 90% of (LPD*SqFt*.90) INTERIOR LIGHTING POWER ALLOWANCE (IEC **BUILDING AREA** REDUCED LIGHTING POWER (IECC C406.3)

UDZFA = UNCONTROLLED DAYLIGHT ZONE FLO THE SUM OF ALL SIDE LIT AND TOPLIT ZONES

TBFA = TOTAL BUILDING FLOOR AREA

BY IECC C405.2.3.2 AND IECC C405.2.3.3

UNCONTROLLED DAYLIGHTING ZONE FLOOR NEW COMPUTER LAB NEW CLASSROOM NEW FACULTY ROOM NEW CAFETERIA RAMP GYM FOYER

OUIRED ON THIS PROJECT?	=	NO DRC REOUIRED
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13,303	<u> </u>	33,330
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	TCLP =	15,303
WER ALLOWANCE (W)		
]	LPA _{ADJ} =	33,950
	LPAnorm=	34,572
C TABLE C405.3.2(1)) LPD	A =	0.81
	B =	47,424
	R =	0.90
OOR AREA		
CALCULATED		
	UDZFA =	2,134
	TDEA -	17 121
	IDFA -	47,424
ARFA	ROOM	SOFT OF DAY LIGHT ZON
	109	11
	120	11
	145	ç
	163	46
	190	23
	183	110







(#) SYMBOL USED FOR NOTE CALLOUT.

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- 1. APPROXIMATE LOCATION OF EXISTING UTILITY POLE TO BE REMOVED. COORDINATE REMOVAL WITH IDAHO POWER.
- 2. APPROXIMATE LOCATION OF EXISTING UTILITY POLE TO REMAIN. SHOWN
- FOR REFERENCE.3. APPROXIMATE LOCATION OF EXISTING LOW-VOLTAGE OVERHEAD CABLING SHOWN FOR REFERENCE.
- 4. APPROXIMATE LOCATION OF EXISTING OVERHEAD ELECTRICAL AND COMMUNICATION UTILITY CABLING TO BE REMOVED AFTER NEW UTILITY SERVICE PATHWAYS ARE ESTABLISHED. COORDINATE REMOVAL OF IDAHO POWER LINES WITH LEO SANCHEZ (208-736-3464). COORDINATE REMOVAL OF COMMUNICATION CABLING WITH xx xx (208-xxx-xxxx).
- 5. APPROXIMATE LOCATION OF EXISTING UNDERGROUND UTILITY SECONDARY CONDUIT AND CONDUCTORS FED FROM OVERHEAD POLE MOUNTED TRANSFORMER. EXISTING CONDUIT AND CONDUCTORS TO BE DISCONNECTED FROM POLE TRANSFORMER AND RE-ROUTED UNDERGROUND TO NEW PAD MOUNTED TRANSFORMER BY IDAHO POWER. SECONDARY CONDUIT AND CONDUCTORS TO BE REMOVED AFTER NEW ELECTRICAL SERVICE IS ESTABLISHED. COORDINATE RE-ROUTING OF UNDERGROUND SECONDARY AND OVERHEAD POWER POLE REMOVAL WITH IDAHO POWER AND PROJECT PHASING.
- 6. APPROXIMATE LOCATION OF EXISTING OVERHEAD LOW-VOLTAGE COMMUNICATION CABLES TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. REMOVE CABLES BACK TO SOURCE. COORDINATE REMOVAL OF LOW-VOLTAGE COMMUNICATION CABLING WITH THE SCHOOL DISTRICT IT DEPARTMENT PRIOR TO BEGINNING WORK.
- APPROXIMATE ROUTE OF PANEL 'F' FEEDERS. ROUTE CONDUITS OVERHEAD FROM 'MSB' TO PANEL. CONCEAL CONDUITS WHERE POSSIBLE.
- 8. PAD MOUNTED TRANSFORMER, PAD, AND METER BY IDAHO POWER COMPANY.
- 9. NEW UNDERGROUND SECONDARY BY ELECTRICAL CONTRACTOR. COORDINATE WITH PROJECT PHASING. RE:ONE-LINE DIAGRAM.
- 10. APPROXIMATE ROUTE OF NEW UNDERGROUND CONDUITS AND CONDUCTORS TO BACK-FEED EXISTING DISTRIBUTION PANELBOARD 'MDP'. COORDINATE FINAL ROUTE WITH FIELD CONDITIONS AND PROJECT PHASING. RE: ONE-LINE DIAGRAM.
- 11. NEW MAIN SWITCHBOARD 'MSB' CENTERED ON VESTIBULE WALL. RE: ONE-LINE DIAGRAM.
- 12. EXISTING DISTRIBUTION PANEL BOARD 'DPB' LOCATED IN THE BASEMENT. RE: ONE-LINE DIAGRAM.
- 13. APPROXIMATE ROUTE OF EXISTING UNDERGROUND FIBER OPTIC SERVICE CABLING TO REMAIN. SHOWN FOR REFERENCE.
- COORDINATE EXACT LOCATION OF PIV WITH SPRINKLER CONTRACTOR.
 APPROXIMATE ROUTE OF UNDERGROUND CONDUITS SERVING NEW
- PANELS 'N' AND 'M'. COORDINATE FINAL ROUTE WITH FIELD CONDITIONS AND PROJECT PHASING. RE: ONE-LINE DIAGRAM. RE:ONE-LINE DIAGRAM.
- 16. APPROXIMATE ROUTE OF PANEL 'K' FEEDERS. ROUTE CONDUITS OVERHEAD FROM 'MSB' TO PANEL. CONCEAL CONDUITS WHERE POSSIBLE.









Electrical Demolition Plan - Area 'A'

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KEYED NOTES:

SYMBOL USED FOR NOTE CALLOUT.

- 1. EXISTING WALL TO BE REMOVED. REMOVE ALL EXISTING DEVICES AND JUNCTION BOXES. RE-ROUTE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN POWER TO ALL DOWN STREAM DEVICE THAT ARE EXISTING TO REMAIN.
- 2. EXISTING DEVICE TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 3. EXISTING LIGHT FIXTURE TO BE DISCONNECTED AND REMOVED. MAINTAIN THE EXISTING SWITCHED LIGHTING CIRCUIT FOR EXTENSION TO THE NEW LIGHTING IN THIS ROOM. REMOVE CONDUIT, CONDUCTORS AND JUNCTION BOXES THAT ARE UNUSED AFTER NEW LIGHTING HAS BEEN INSTALLED AND CONNECTED. REFER TO THE LIGHTING PLAN FOR THE NEW LIGHTING LAYOUT. MAINTAIN CONTINUITY TO ALL DOWNSTREAM LIGHTING AND DEVICES THAT ARE TO REMAIN.
- 4. EXISTING SUSPENDED ACOUSTIC CEILING TILE (ACT) IN THIS ROOM TO BE REMOVED TO ACCOMMODATE ABOVE CEILING WORK. REMOVE ANY EXISTING CEILING MOUNTED DEVICES THAT ARE TO REMAIN. SAVE AND PROTECT DEVICES AND REINSTALL AFTER THE NEW CEILING IS INSTALLED. MAINTAIN ANY CONDUIT CONDUCTORS AND JUNCTION BOXES FOR DEVICES MOUNTED IN ACT TO REMAIN.
- 5. EXISTING CEILING WIRELESS ACCESS POINT (WAP), DISCONNECT AND REMOVE FOR CEILING DEMOLITION. SAVE AND PROTECT DEVICE AND REINSTALL IN APPROXIMATELY THE SAME LOCATION AFTER THE NEW CEILING IS INSTALLED.
- 6. EXISTING LIGHT FIXTURE TO BE REMOVED. MAINTAIN AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT SERVING THIS AREA FOR EXTENSION TO THE NEW LIGHTING AND CONTROLS. REMOVE ALL UNUSED CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 7. EXISTING LIGHT SWITCH(ES) AND COVER PLATE TO BE REPLACED WITH NEW. MAINTAIN EXISTING CONDUIT, BOXES, AND CONDUCTORS FOR CONNECTION TO THE NEW SWITCH(ES).
- 8. EXISTING CEILING MOUNTED WIRELESS ACCESS POINT DEVICE (WAP) TO BE REMOVED AND RETURNED TO THE OWNER. REMOVE ALL ASSOCIATED DATA CABLING BACK TO THE SOURCE.
- 9. EXISTING CEILING MOUNTED CLASSROOM AMPLIFICATION DEVICE TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT, BOXES, AND CABLING.
- 10. EXISTING INTERCOM SYSTEM DEVICE TO BE REPLACED WITH NEW. REMOVE EXISTING DEVICE AND CABLING, MAINTAIN EXISTING CONDUIT AND BOXES FOR USE WITH NEW DEVICE. RE:SPECIAL SYSTEMS PLAN.



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ELECTRICAL DEMOLITION PLAN - AREA 'A'



Electrical Demolition Plan - Area 'B'

KEYED NOTES:

- 1. EXISTING WALL TO BE REMOVED. REMOVE ALL EXISTING DEVICES AND JUNCTION BOXES. RE-ROUTE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN POWER TO ALL DOWN STREAM DEVICE THAT ARE EXISTING TO REMAIN.
- 2. EXISTING DEVICE TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 3. EXISTING LIGHT FIXTURE TO BE DISCONNECTED AND REMOVED. MAINTAIN THE EXISTING SWITCHED LIGHTING CIRCUIT FOR EXTENSION TO THE NEW LIGHTING IN THIS ROOM. REMOVE CONDUIT, CONDUCTORS AND JUNCTION BOXES THAT ARE UNUSED AFTER NEW LIGHTING HAS BEEN INSTALLED AND CONNECTED. REFER TO THE LIGHTING PLAN FOR THE NEW LIGHTING LAYOUT. MAINTAIN CONTINUITY TO ALL DOWNSTREAM LIGHTING AND DEVICES THAT ARE TO REMAIN.
- 4. EXISTING SUSPENDED ACOUSTIC CEILING TILE (ACT) IN THIS ROOM TO BE REMOVED TO ACCOMMODATE ABOVE CEILING WORK. REMOVE ANY EXISTING CEILING MOUNTED DEVICES THAT ARE TO REMAIN. SAVE AND PROTECT DEVICES AND REINSTALL AFTER THE NEW CEILING IS INSTALLED. MAINTAIN ANY CONDUIT CONDUCTORS AND JUNCTION BOXES FOR DEVICES MOUNTED IN ACT TO REMAIN.
- 5. EXISTING CEILING WIRELESS ACCESS POINT (WAP), DISCONNECT AND REMOVE FOR CEILING DEMOLITION. SAVE AND PROTECT DEVICE AND REINSTALL IN APPROXIMATELY THE SAME LOCATION AFTER THE NEW CEILING IS INSTALLED.
- 6. EXISTING ELECTRICAL FEEDER PULLBOX TO REMAIN, SHOWN FOR REFERENCE.
- 7. EXISTING PANELS 'H' AND 'H1' TO BE REMOVED. REMOVE EXISTING CONDUIT, BOXES, AND FEEDERS BACK TO THE ELECTRICAL FEEDER PULLBOX IN THIS ROOM. MAINTAIN FEEDERS UPSTREAM OF THE PULLBOX FOR EXTENSION TO THE NEW PANEL 'H' TO BE LOCATED IN THIS ROOM. RE: POWER PLAN AND ONE-LINE DIAGRAM.
- 8. EXISTING INTERCOM SYSTEM DEVICE TO BE REPLACED WITH NEW. REMOVE EXISTING DEVICE AND CABLING, MAINTAIN EXISTING CONDUIT AND BOXES FOR USE WITH NEW DEVICE. RE:SPECIAL SYSTEMS PLAN.
- 9. EXISTING CEILING MOUNTED DEVICE. DISCONNECT AND REMOVE FOR CEILING DEMOLITION. RE-INSTALL AND RE-CONNECT AT APPROXIMATELY THE SAME LOCATION IN NEW CEILING.
- 10. BID ALTERNATE #3. EXISTING WALL TO BE REMOVED. REMOVE ALL EXISTING DEVICES AND JUNCTION BOXES. RE-ROUTE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN POWER TO ALL DOWN STREAM DEVICE THAT ARE EXISTING TO REMAIN.
- 11. EXISTING LIGHT FIXTURE TO BE REMOVED. MAINTAIN AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT SERVING THIS AREA FOR EXTENSION TO THE NEW LIGHTING AND CONTROLS. REMOVE ALL UNUSED CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 12. EXISTING LIGHT SWITCH(ES) AND COVER PLATE TO BE REPLACED WITH NEW. MAINTAIN EXISTING CONDUIT, BOXES, AND CONDUCTORS FOR CONNECTION TO THE NEW SWITCH(ES).
- 13. EXISTING LIGHT FIXTURE TO BE REPLACED WITH NEW. REMOVE EXISTING LIGHT FIXTURE, MAINTAIN EXISTING CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
- 14. EXISTING COMPUTER DESKS TO BE RELOCATED TO NEW COMPUTER LAB 109. DISCONNECT AND REMOVE THE EXISTING RECEPTACLES AND DATA OUTLETS MOUNTED TO THE DESKS AND ALL ASSOCIATED CONDUIT, BOXES, CONDUCTORS, AND CABLING BACK TO THE SOURCE.
- 15. APPROXIMATE LOCATION OF EXISTING PANEL 'CH' LOCATED IN THE STORAGE SPACE BELOW. DISCONNECT AND REMOVE PANEL 'CH' AND ALL ASSOCIATED CONDUIT, BOXES, AND CONDUCTORS. PROVIDE NEW CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED TO REROUTE ALL EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN TO NEW PANEL 'H'.







Electrical Demolition Plan - Area 'C'

KEYED NOTES:

- 1. EXISTING WALL TO BE REMOVED. REMOVE ALL EXISTING DEVICES AND JUNCTION BOXES. RE-ROUTE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN POWER TO ALL DOWN STREAM DEVICE THAT ARE EXISTING TO REMAIN.
- 2. EXISTING DEVICE TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 3. EXISTING LIGHT FIXTURE TO BE DISCONNECTED AND REMOVED. MAINTAIN THE EXISTING SWITCHED LIGHTING CIRCUIT FOR EXTENSION TO THE NEW LIGHTING IN THIS ROOM. REMOVE CONDUIT, CONDUCTORS AND JUNCTION BOXES THAT ARE UNUSED AFTER NEW LIGHTING HAS BEEN INSTALLED AND CONNECTED. REFER TO THE LIGHTING PLAN FOR THE NEW LIGHTING LAYOUT. MAINTAIN CONTINUITY TO ALL DOWNSTREAM LIGHTING AND DEVICES THAT ARE TO REMAIN.
- 4. EXISTING SUSPENDED ACOUSTIC CEILING TILE (ACT) IN THIS ROOM TO BE REMOVED TO ACCOMMODATE ABOVE CEILING WORK. REMOVE ANY EXISTING CEILING MOUNTED DEVICES THAT ARE TO REMAIN. SAVE AND PROTECT DEVICES AND REINSTALL AFTER THE NEW CEILING IS INSTALLED. MAINTAIN ANY CONDUIT CONDUCTORS AND JUNCTION BOXES FOR DEVICES MOUNTED IN ACT TO REMAIN.
- 5. EXISTING WIRELESS ACCESS POINT (WAP), DISCONNECT AND REMOVE FOR CEILING DEMOLITION. RE-INSTALL AND RE-CONNECT AT APPROXIMATELY THE SAME LOCATION IN NEW CEILING.
- EXISTING LIGHT SWITCH(ES) AND COVER PLATE TO BE REPLACED WITH NEW. MAINTAIN EXISTING CONDUIT, BOXES, AND CONDUCTORS FOR CONNECTION TO THE NEW SWITCH(ES).
- EXISTING LIGHT FIXTURE TO BE REPLACED WITH NEW. REMOVE EXISTING LIGHT FIXTURE, MAINTAIN EXISTING CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
- 8. DISCONNECT AND REMOVE EXISTING RECEPTACLE AND INSTALL NEW RECEPTACLE NOTED ON THE POWER PLAN AND RECONNECT AS REQUIRED. REFER TO THE POWER PLAN FOR ADDITIONAL INFORMATION.
- 9. EXISTING CEILING MOUNTED DEVICE. DISCONNECT AND REMOVE FOR CEILING DEMOLITION. RE-INSTALL AND RE-CONNECT AT APPROXIMATELY THE SAME LOCATION IN NEW CEILING.
- 10. EXISTING INTERCOM SYSTEM DEVICE TO BE REPLACED WITH NEW. REMOVE EXISTING DEVICE AND CABLING, MAINTAIN EXISTING CONDUIT AND BOXES FOR USE WITH NEW DEVICE. RE:SPECIAL SYSTEMS PLAN.
- 11. EXISTING LIGHT FIXTURE TO BE REMOVED. MAINTAIN AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT SERVING THIS AREA FOR EXTENSION TO THE NEW LIGHTING AND CONTROLS. REMOVE ALL UNUSED CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.















(#) SYMBOL USED FOR NOTE CALLOUT.

- EXISTING WALL TO BE REMOVED. REMOVE ALL EXISTING DEVICES AND JUNCTION BOXES. RE-ROUTE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN POWER TO ALL DOWN STREAM DEVICE THAT ARE EXISTING TO REMAIN.
- 2. EXISTING DEVICE TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 3. EXISTING LIGHT FIXTURE TO BE DISCONNECTED AND REMOVED. MAINTAIN THE EXISTING SWITCHED LIGHTING CIRCUIT FOR EXTENSION TO THE NEW LIGHTING IN THIS ROOM. REMOVE CONDUIT, CONDUCTORS AND JUNCTION BOXES THAT ARE UNUSED AFTER NEW LIGHTING HAS BEEN INSTALLED AND CONNECTED. REFER TO THE LIGHTING PLAN FOR THE NEW LIGHTING LAYOUT. MAINTAIN CONTINUITY TO ALL DOWNSTREAM LIGHTING AND DEVICES THAT ARE TO REMAIN.
- 4. EXISTING SUSPENDED ACOUSTIC CEILING TILE (ACT) IN THIS ROOM TO BE REMOVED TO ACCOMMODATE ABOVE CEILING WORK. REMOVE ANY EXISTING CEILING MOUNTED DEVICES THAT ARE TO REMAIN. SAVE AND PROTECT DEVICES AND REINSTALL AFTER THE NEW CEILING IS INSTALLED. MAINTAIN ANY CONDUIT CONDUCTORS AND JUNCTION BOXES FOR DEVICES MOUNTED IN ACT TO REMAIN.
- 5. EXISTING WIRELESS ACCESS POINT (WAP), DISCONNECT AND REMOVE FOR CEILING DEMOLITION. RE-INSTALL AND RE-CONNECT AT APPROXIMATELY THE SAME LOCATION IN NEW CEILING.
- 6. EXISTING LIGHT SWITCH(ES) AND COVER PLATE TO BE REPLACED WITH NEW. MAINTAIN EXISTING CONDUIT, BOXES, AND CONDUCTORS FOR CONNECTION TO THE NEW SWITCH(ES).
- 7. EXISTING PANELS 'E' AND 'F' TO BE DISCONNECTED AND REMOVED. MAINTAIN EXISTING UNDERGROUND CONDUIT AND FEEDERS FOR THE PANEL WHERE POSSIBLE. PROVIDE NEW CONDUIT, BOXES, AND FEEDERS FROM THE PANEL TO DISTRIBUTION BOARD 'DPB' AS NECESSARY TO RECONNECT THE PANELS. PROVIDE CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED TO EXTEND ALL EXISTING BRANCH CIRCUITS THAT ARE TO REMAIN FROM THE EXISTING PANEL LOCATIONS TO THE NEW PANEL LOCATIONS. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION PRIOR TO BEGINNING WORK.
- 8. EXISTING CEILING MOUNTED CLASSROOM AMPLIFICATION DEVICE TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT, BOXES, AND CABLING.
- 9. DISCONNECT AND REMOVE EXISTING CEILING MOUNTED DEVICE AS REQUIRED TO ACCOMMODATE CEILING DEMOLITION. RE-INSTALL AND RE-CONNECT AT APPROXIMATELY THE SAME LOCATION AFTER NEW CEILING IS INSTALLED.
- 10. EXISTING INTERCOM SYSTEM DEVICE TO BE REPLACED WITH NEW. REMOVE EXISTING DEVICE AND CABLING, MAINTAIN EXISTING CONDUIT AND BOXES FOR USE WITH NEW DEVICE. RE:SPECIAL SYSTEMS PLAN.
- 11. EXISTING LIGHT FIXTURE TO BE REMOVED. MAINTAIN AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT SERVING THIS AREA FOR EXTENSION TO THE NEW LIGHTING AND CONTROLS. REMOVE ALL UNUSED CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 12. EXISTING LIGHT FIXTURE TO BE REPLACED WITH NEW. REMOVE EXISTING LIGHT FIXTURE, MAINTAIN EXISTING CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.



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ELECTRICAL DEMOLITION PLAN - AREA 'D' AND 'E'



- EXISTING WALL TO BE REMOVED. REMOVE ALL EXISTING DEVICES AND JUNCTION BOXES. RE-ROUTE CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN POWER TO ALL DOWN STREAM DEVICE THAT ARE EXISTING TO REMAIN.
- 2. EXISTING DEVICE TO BE REMOVED. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE OR NEAREST UPSTREAM DEVICE THAT IS TO REMAIN. MAINTAIN CONTINUITY TO ALL DOWNSTREAM DEVICES THAT ARE TO REMAIN.
- 3. EXISTING LIGHT FIXTURE TO BE DISCONNECTED AND REMOVED. MAINTAIN THE EXISTING SWITCHED LIGHTING CIRCUIT FOR EXTENSION TO THE NEW LIGHTING IN THIS ROOM. REMOVE CONDUIT, CONDUCTORS AND JUNCTION BOXES THAT ARE UNUSED AFTER NEW LIGHTING HAS BEEN INSTALLED AND CONNECTED. REFER TO THE LIGHTING PLAN FOR THE NEW LIGHTING LAYOUT. MAINTAIN CONTINUITY TO ALL DOWNSTREAM LIGHTING AND DEVICES THAT ARE TO REMAIN.
- 4. EXISTING SUSPENDED ACOUSTIC CEILING TILE (ACT) IN THIS ROOM TO BE REMOVED TO ACCOMMODATE ABOVE CEILING WORK. REMOVE ANY EXISTING CEILING MOUNTED DEVICES THAT ARE TO REMAIN. SAVE AND PROTECT DEVICES AND REINSTALL AFTER THE NEW CEILING IS INSTALLED. MAINTAIN ANY CONDUIT CONDUCTORS AND JUNCTION BOXES FOR DEVICES MOUNTED IN ACT TO REMAIN.
- EXISTING WIRELESS ACCESS POINT (WAP), DISCONNECT AND REMOVE FOR CEILING DEMOLITION. RE-INSTALL AND RE-CONNECT AT APPROXIMATELY THE SAME LOCATION IN NEW CEILING.
- EXISTING LIGHT SWITCH(ES) AND COVER PLATE TO BE REPLACED WITH NEW. MAINTAIN EXISTING CONDUIT, BOXES, AND CONDUCTORS FOR CONNECTION TO THE NEW SWITCH(ES).
- EXISTING LIGHT FIXTURE TO BE REPLACED WITH NEW. REMOVE EXISTING LIGHT FIXTURE, MAINTAIN EXISTING CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
- 8. EXISTING INTERCOM SYSTEM DEVICE TO BE REPLACED WITH NEW. REMOVE EXISTING DEVICE AND CABLING, MAINTAIN EXISTING CONDUIT AND BOXES FOR USE WITH NEW DEVICE. RE:SPECIAL SYSTEMS PLAN.
- 9. EXISTING CEILING MOUNTED DEVICE. DISCONNECT AND REMOVE FOR CEILING DEMOLITION. RE-INSTALL AND RE-CONNECT AT APPROXIMATELY THE SAME LOCATION IN NEW CEILING.

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- 1. EXISTING MECHANICAL UNIT TO BE REMOVED. EXISTING CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE THAT IS TO REMAIN.
- 2. BID ALTERNATE #2. EXISTING MECHANICAL UNIT TO BE REMOVED. EXISTING CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO SOURCE THAT IS TO REMAIN.
- 3. EXISTING MECHANICAL UNIT TO BE REMOVED. EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
- 4. BID ALTERNATE #2. EXISTING MECHANICAL UNIT TO BE REMOVED. EXISTING CONDUIT AND CONDUCTORS TO REMAIN.

(#) SYMBOL USED FOR NOTE CALLOUT.

- 1. APPROXIMATE LOCATION OF THE EXISTING SILENT KNIGHT 5820XL FIRE ALARM PANEL. SHOWN FOR REFERENCE.
- 2. APPROXIMATE LOCATION OF THE EXISTING SKE SERIES VOICE
- EVACUATION SYSTEM CONTROL. SHOWN FOR REFERENCE 3. BUILDING AREA WITH EXISTING VOICE EVACUATIONS NOTIFICATION.
- 4. EXISTING 2-HOUR FIRE WALL.

PROJECT NOTES:

- A. THE OCCUPANCY FOR THE SCHOOL, IS AN 'E' OCCUPANCY THAT EXCEEDS 100 AND WILL BE EQUIPPED WITH A NEW FIRE SPRINKLER SYSTEM.
- B. THE PROJECT SCOPE SHALL INCLUDE A NEW DESIGN / BUILD FIRE ALARM
- C. PROVIDE ALL CONDUIT, BOXES, AND CONDUCTORS REQUIRED FOR NEW FIRE
- D. DISCONNECT AND REMOVE ALL UNUSED FIRE ALARM SYSTEM DEVICES AND THE ASSOCIATED CONDUIT, BOXES, AND CABLING. PROVIDE A BLANK COVER PLATE ON ALL EXISTING JUNCTION BOXES THAT ARE RECESSED IN AN EXISTING WALL AND ARE ABANDONED IN PLACE.

Lighting Plan - Area 'A' Scale: 1/8" = 1'-0"

KEYED NOTES:

- 1. EXTEND THE SWITCHED LIGHTING CIRCUITS SERVING THIS ROOM TO THE NEW LIGHTS AS INDICATED. EXISTING CONDUIT, BOXES, AND CONDUCTORS, AN WHIPS MAY BE REUSED WHERE POSSIBLE. LIGHT FIXTURES SHALL BE CONTROLLED BY THE LIGHT SWITCH WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE EMERGENCY BATTERIES WHERE INDICATED.
- 2. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR FOR AUTOMATED ON/OFF CONTROL OF LIGHTING IN THIS ROOM. CONNECT SUCH THAT THE OCCUPANCY SENSOR CONTROL IS AHEAD OF THE MANUAL LIGHT SWITCH CONTROLS AND SO THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE LIGHTING CIRCUIT(S) SERVING THE ROOM. OCCUPANCY SENSOR SHALL TURN OFF THE LIGHTING OFF AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND INSTALL ALL POWER PACKS AND RELAYS AS REQUIRED. RE: OCCUPANCY SENSORS DETAIL.
- 3. REPLACE EXISTING LIGHT SWITCHES AND THE ASSOCIATED COVER PLATE WITH NEW. SWITCHES SHALL CONTROL THE LIGHT FIXTURES IN THIS ROOM WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION.
- 4. DAYLIGHT ZONE PERIMETER PER 2018 IECC. SHOWN FOR REFERENCE.
- 5. DIGITAL, DUAL TECHNOLOGY OCCUPANCY SENSOR COMPATIBLE WITH THE ROOMS DIGITAL LIGHTING SYSTEM ROOM CONTROLLER. CONNECT SUCH THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE ALL LIGHTING IN THE ROOM AND TURN OFF THE LIGHTING AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND INSTALL ALL POWER PACKS AND RELAYS AS REQUIRED.
- 3-BUTTON, DIGITAL SWITCH(ES), WITH RAISE / LOWER AND ON / OFF CONTROL. SWITCHES ARE TO BE COMPATIBLE WITH LIGHTING ROOM CONTROLLER SERVING THIS SPACE. PROVIDE SEPARATE SWITCH FOR EACH CONTROL ZONE BY SUBSCRIPTS INDICATED. RE: CLASSROOM LIGHTING CONTROL DETAIL.
- 7. LIGHTING IN THIS ROOM TO BE CONTROLLED USING DIGITAL ROOM CONTROLLER, ASSOCIATED DIGITAL DIMMING SWITCHES AND DIGITAL OCCUPANCY SENSORS. OCCUPANCY SENSOR(S) TO TURN LIGHTING ROOM TO 50% AUTOMATICALLY. AFTER OCCUPANCY SENSOR TIME OUT, ALL FIXTURES ARE TO BE OFF. RE: CLASSROOM LIGHTING CONTROL DETAIL.
- 8. LIGHTING CONTROL ZONE SUBSCRIPT. (TYPICAL)
- RELOCATED EXTERIOR LIGHT. PROVIDE CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED TO EXTEND THE EXISTING LIGHTING CIRCUIT TO THE NEW FIXTURE LOCATION.

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Lighting Plan - Area 'B' Scale: 1/8" = 1'-0"

KEYED NOTES:

- EXTEND THE SWITCHED LIGHTING CIRCUITS SERVING THIS ROOM TO THE NEW LIGHTS AS INDICATED. EXISTING CONDUIT, BOXES, AND CONDUCTORS, AN WHIPS MAY BE REUSED WHERE POSSIBLE. LIGHT FIXTURES SHALL BE CONTROLLED BY THE LIGHT SWITCH WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE EMERGENCY BATTERIES WHERE INDICATED.
- 2. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR FOR AUTOMATED ON/OFF CONTROL OF LIGHTING IN THIS ROOM. CONNECT SUCH THAT THE OCCUPANCY SENSOR CONTROL IS AHEAD OF THE MANUAL LIGHT SWITCH CONTROLS AND SO THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE LIGHTING CIRCUIT(S) SERVING THE ROOM. OCCUPANCY SENSOR SHALL TURN OFF THE LIGHTING OFF AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND INSTALL ALL POWER PACKS AND RELAYS AS REQUIRED. RE: OCCUPANCY SENSORS DETAIL.
- REPLACE EXISTING LIGHT SWITCH(ES) AND THE ASSOCIATED COVER PLATE WITH NEW. SWITCH(ES) SHALL CONTROL THE LIGHT FIXTURES IN THIS ROOM WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION WHERE INDICATED.
- 4. DAYLIGHT ZONE PERIMETER PER 2018 IECC. SHOWN FOR REFERENCE.
- 5. DIGITAL, DUAL TECHNOLOGY OCCUPANCY SENSOR COMPATIBLE WITH THE ROOMS DIGITAL LIGHTING SYSTEM ROOM CONTROLLER. CONNECT SUCH THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE ALL LIGHTING IN THE ROOM AND TURN OFF THE LIGHTING AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND INSTALL ALL POWER PACKS AND RELAYS AS REQUIRED.
- 3-BUTTON, DIGITAL SWITCH(ES), WITH RAISE / LOWER AND ON / OFF CONTROL. SWITCHES ARE TO BE COMPATIBLE WITH LIGHTING ROOM CONTROLLER SERVING THIS SPACE. PROVIDE SEPARATE SWITCH FOR EACH CONTROL ZONE BY SUBSCRIPTS INDICATED. RE: CLASSROOM LIGHTING CONTROL DETAIL.
- 7. LIGHTING IN THIS ROOM TO BE CONTROLLED USING DIGITAL ROOM CONTROLLER, ASSOCIATED DIGITAL DIMMING SWITCHES AND DIGITAL OCCUPANCY SENSORS. OCCUPANCY SENSOR(S) TO TURN LIGHTING ROOM TO 50% AUTOMATICALLY. AFTER OCCUPANCY SENSOR TIME OUT, ALL FIXTURES ARE TO BE OFF. RE: CLASSROOM LIGHTING CONTROL DETAIL.
- 8. INTERCEPT AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT SERVING THIS AREA AND EXTEND TO THE NEW LIGHTING, CONTROLS, AND EMERGENCY LIGHTING AS INDICATED.
- 9. LIGHTING CONTROL ZONE SUBSCRIPT. (TYPICAL)
- 10. REPLACE EXISTING LIGHT FIXTURE WITH NEW. CONNECT NEW FIXTURE TO THE EXISTING LIGHTING CIRCUIT AND CONTROLS. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE INTEGRAL EMERGENCY BATTERY WHERE INDICATED.
- 11. COOLER/FREEZER LIGHTS PROVIDED WITH COOLER/FREEZER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. INSTALL ALL WIRING, CONDUITS AND ELECTRICAL EQUIPMENT REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER AND EQUIPMENT PRIOR TO BEGINNING WORK.
- 12. NEW SWITCH FOR CONTROL OF STORAGE ROOM LIGHTING. PROVIDE CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED TO CONNECT THE SWITCH TO THE EXISTING LIGHT FIXTURES.
- 13. PILOT LIGHT SWITCH FOR CONTROL OF CRAWL SPACE LIGHT FIXTURE. LABEL SWITCH "CRAWL SPACE LTS". LOCATE SWITCH NEAR THE CRAWL SPACE ACCESS PANEL.
- 14. LIGHT FIXTURE LOCATED ON THE CEILING OF THE CRAWL SPACE. COORDINATE EXACT LOCATION FIELD CONDITIONS.

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N. 1 Lighting Plan - Area 'C' Scale: 1/8" = 1'-0"

KEYED NOTES:

- 1. DIGITAL, 0-10V DIMMING LIGHTING SWITCHES FOR THE GYMNASIUM LIGHTING TO BE LOCATED IN A FLUSH MOUNTED ENCLOSURE (HOFFMAN 'ASE' SERIES OR EQUAL) WITH LOCKABLE HINGED COVER (HOFFMAN 'AFDF' SERIES WITH AN 'ACLFDF' LOCK KIT OR EQUAL). SIZE ENCLOSURE AS REQUIRED TO ACCOMMODATE ALL LIGHT SWITCHES INDICATED. THE CENTER OF THIS BOX IS TO BE MOUNTED +46" AFF. SWITCHES SHALL BE COMPATIBLE WITH THE ASSOCIATED LIGHT FIXTURES AND PROVIDE RAISE/LOWER AS WELL AS ON/OFF FUNCTIONS. PROVIDE ALL REQUIRED CABLING. PROVIDE JUNCTION BOXES IN THE ENCLOSURE FOR THE SWITCHES. ALL CONDUCTORS AND CABLING WITHIN ENCLOSURE ARE TO BE CONCEALED IN CONDUIT SO THEY ARE NOT EXPOSED TO THE USER. PROVIDE (2) 3/4" SPARE CONDUITS FROM ENCLOSURE TO THE BUILDING STRUCTURE. LOCK SHALL BE KEYED TO MATCH THE SCHOOL MASTER KEY SYSTEM OR AS DIRECTED BY OWNER. RE: CAFETERIA LIGHT SWITCH ENCLOSURE DETAIL.
- 2. 3-BUTTON DIGITAL SWITCH(ES) WITH RAISE/LOWER AND ON/OFF CONTROL. SWITCHES ARE TO BE COMPATIBLE WITH LIGHTING ROOM CONTROLLER IN THIS SPACE. PROVIDE SEPARATE SWITCH EACH CONTROL ZONE BY SUBSCRIPT INDICATED. RE: CLASSROOM LIGHTING CONTROL DETAIL.
- 3. PROVIDE MOMENTARY LOW-VOLTAGE OVERRIDE SWITCH WITH CABLING BACK TO LIGHTING CONTROL PANEL AS REQUIRED. SWITCH SHALL BE LABELED 'OVERRIDE' AND PROVIDE 2 HOURS OF OPERATION FOR THE LIGHTING DURING NON-BUSINESS HOURS.
- 4. EXTEND THE SWITCHED LIGHTING CIRCUITS SERVING THIS ROOM TO THE NEW LIGHTS AS INDICATED. EXISTING CONDUIT, BOXES, AND CONDUCTORS, AN WHIPS MAY BE REUSED WHERE POSSIBLE. LIGHT FIXTURES SHALL BE CONTROLLED BY THE LIGHT SWITCH WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE EMERGENCY BATTERIES WHERE INDICATED.
- 5. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR FOR AUTOMATED ON/OFF CONTROL OF LIGHTING IN THIS ROOM. CONNECT SUCH THAT THE OCCUPANCY SENSOR CONTROL IS AHEAD OF THE MANUAL LIGHT SWITCH CONTROLS AND SO THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE LIGHTING CIRCUIT(S) SERVING THE ROOM. OCCUPANCY SENSOR SHALL TURN OFF THE LIGHTING OFF AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND INSTALL ALL POWER PACKS AND RELAYS AS REQUIRED. RE: OCCUPANCY SENSORS DETAIL.
- 6. REPLACE EXISTING LIGHT SWITCH(ES) AND THE ASSOCIATED COVER PLATE WITH NEW. SWITCH(ES) SHALL CONTROL THE LIGHT FIXTURES IN THIS ROOM WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION..
- 7. BUILDING MANAGEMENT SYSTEM (DDC) CONTACTOR / RELAY PANEL. PANEL PROVIDED AND PROGRAMMED BY THE DDC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THE DDC CONTRACTOR PRIOR TO ROUGH-IN. RE:LIGHTING CONTROL ZONE SCHEDULE.
- 8. ROUTE CIRCUIT THROUGH THE BUILDING MANAGEMENT SYSTEM (DDC) TIME OF DAY BASED CONTROL SYSTEM CONTACTORS / RELAY PANEL. COORDINATE WITH THE DDC CONTRACTOR. RE:LIGHTING CONTROL ZONE SCHEDULE.
- DIGITAL WALL SWITCH(ES) WITH RAISE / LOWER AND ON / OFF CONTROL. SWITCHES ARE TO BE COMPATIBLE WITH THE ROOM LIGHTING CONTROL SYSTEM. PROVIDE ONE SWITCH FOR EACH CONTROL ZONE INDICATED.
 4-BUTTON CONFIGURATION MAXIMUM PER SWITCH. CONTROL SYSTEM. PROVIDE ONE SWITCH FOR EACH CONTROL ZONE INDICATED.
- 10. LIGHTING IN THIS ROOM TO BE CONTROLLED USING DIGITAL ROOM CONTROLLER AND ASSOCIATED DIGITAL DIMMING SWITCHES COMPATIBLE WITH LIGHT FIXTURES. A SINGLE CONTROLLER MAY BE UTILIZED FOR MULTIPLE ZONES AS LONG AS EACH ZONE CAN BE CONTROLLED INDEPENDANTLY. PROVIDE POWER PACKS, RELAYS, CABLING AND PROGRAMMING AS REQUIRED FOR A COMPLETE SYSTEM. TERMINATE AN TEST ALL CABLING.
- 11. DAYLIGHT ZONE PERIMETER PER 2018 IECC SHOWN FOR REFERENCE.
- 12. PROVIDE PHOTOCELL COMPATIBLE WITH LIGHTING FIXTURES AND LIGHTING CONTROL SYSTEM SERVING THIS AREA. CONNECT SUCH THAT PHOTOCELL CONTROLS ZONE SPECIFIED BY SUBSCRIPT. LOCATE SENSOR PER MANUFACTURER'S RECOMMENDATION.
- 13. MOMENTARY LOW-VOLTAGE LIGHTING CONTROL OVER-RIDE SWITCH. SWITCH AND CABLING FURNISHED AND INSTALLED BY THE DDC CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX WITH A SINGLE-GANG MUD-RING AT 46" AFF AND PROVIDE 3/4" CONDUIT FROM THE JUNCTION BOX TO THE NEAREST ACCESSIBLE CEILNG SPACE. VERIFY THE SWITCH LOCATION AND THE BOX AND CONDUIT REQUIREMENTS WITH THE DDC CONTRACTOR PRIOR TO ROUGH-IN. LABEL SWITCH "LIGHTING OVERRIDE".
- 14. REPLACE EXISTING LIGHT FIXTURE WITH NEW. CONNECT NEW FIXTURE TO THE EXISTING LIGHTING CIRCUIT AND CONTROLS. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE INTEGRAL EMERGENCY BATTERY WHERE INDICATED.

- 1. EXTEND THE SWITCHED LIGHTING CIRCUITS SERVING THIS ROOM TO THE NEW LIGHTS AS INDICATED. EXISTING CONDUIT, BOXES, AND CONDUCTORS, AN WHIPS MAY BE REUSED WHERE POSSIBLE. LIGHT FIXTURES SHALL BE CONTROLLED BY THE LIGHT SWITCH WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE EMERGENCY BATTERIES WHERE INDICATED.
- 2. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR FOR AUTOMATED ON/OFF CONTROL OF LIGHTING IN THIS ROOM. CONNECT SUCH THAT THE OCCUPANCY SENSOR CONTROL IS AHEAD OF THE MANUAL LIGHT SWITCH CONTROLS AND SO THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE LIGHTING CIRCUIT(S) SERVING THE ROOM. OCCUPANCY SENSOR SHALL TURN OFF THE LIGHTING OFF AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND INSTALL ALL POWER PACKS AND RELAYS AS REQUIRED. RE: OCCUPANCY SENSORS DETAIL.
- 3. REPLACE EXISTING LIGHT SWITCHES AND THE ASSOCIATED COVER PLATE WITH NEW. SWITCHES SHALL CONTROL THE LIGHT FIXTURES IN THIS ROOM WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION.
- 4. REPLACE EXISTING LIGHT FIXTURE WITH NEW. CONNECT NEW FIXTURE TO THE EXISTING LIGHTING CIRCUIT AND CONTROLS. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE INTEGRAL EMERGENCY BATTERY WHERE INDICATED.

Key Plan	
Area 'A'	Area 'C'
Area 'D'	Area 'E'

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Lighting Plan - Area 'F' Scale: 1/8" = 1'-0'

- 1. EXTEND THE SWITCHED LIGHTING CIRCUITS SERVING THIS ROOM TO THE NEW LIGHTS AS INDICATED. EXISTING CONDUIT, BOXES, AND CONDUCTORS, AN WHIPS MAY BE REUSED WHERE POSSIBLE. LIGHT FIXTURES SHALL BE CONTROLLED BY THE LIGHT SWITCH WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE EMERGENCY BATTERIES WHERE INDICATED.
- 2. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSOR FOR AUTOMATED ON/OFF CONTROL OF LIGHTING IN THIS ROOM. CONNECT SUCH THAT THE OCCUPANCY SENSOR CONTROL IS AHEAD OF THE MANUAL LIGHT SWITCH CONTROLS AND SO THAT DETECTION OF OCCUPANCY BY ANY SENSOR IN THE ROOM WILL ACTIVATE LIGHTING CIRCUIT(S) SERVING THE ROOM. OCCUPANCY SENSOR SHALL TURN OFF THE LIGHTING OFF AFTER 20 MINUTES OF NO OCCUPANCY DETECTION. LOCATE SENSORS PER MANUFACTURER'S RECOMMENDATION TO ENSURE MOTION IS DETECTED WITHIN 2FT OF ENTERING ROOM. PROVIDE AND INSTALL ALL POWER PACKS AND RELAYS AS REQUIRED. RE: OCCUPANCY SENSORS DETAIL.
- REPLACE EXISTING LIGHT SWITCHES AND THE ASSOCIATED COVER PLATE 3. WITH NEW. SWITCHES SHALL CONTROL THE LIGHT FIXTURES IN THIS ROOM WITH THE SAME LIGHTING ZONE SUBSCRIPT IDENTIFICATION.
- REPLACE EXISTING LIGHT FIXTURE WITH NEW. CONNECT NEW FIXTURE TO 4. THE EXISTING LIGHTING CIRCUIT AND CONTROLS. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE INTEGRAL EMERGENCY BATTERY WHERE INDICATED
- 5. EXTEND AN UNSWITCHED LEG OF THE LIGHTING CIRCUIT SERVING THIS ROOM TO THE NEW LIGHT FIXTURE AND CONTROLS FOR S.R. 159A. LIGHTING IN S.R. 159A SHALL NOT BE CONTROLLED BY LIGHT SWITCH(ES) IN OTHER ROOMS.
- 6. PROVIDE TUNABLE LIGHTING CONTROLS FOR THE LIGHT FIXTURE IN S.R. 159A. TUNABLE CONTROLS SHALL ALLOW LIGHTING COLOR TEMPERATURE ADJUSTMENT BETWEEN 2700K AND 6500K.
- 7. PROVIDE SWITCH FOR ON/OFF AND DIMMING CONTROL OF LIGHT FIXTURE IN S.R. 159A.
- 8. DAYLIGHT ZONE PERIMETER PER 2018 IECC SHOWN FOR REFERENCE.

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- HVAC SYSTEM SENSOR(S). BOX(ES) AND CONDUIT TO BE PROVIDED BY ELECTRICAL CONTRACTOR. SENSOR AND ALL CABLING TO BE FURNISHED AND INSTALLED BY THE DDC CONTRACTOR. PROVIDE A JUNCTION BOX AT 46" AFF FOR EACH SENSOR INDICATED AND 1/2" CONDUIT FROM THE SENSOR JUNCTION BOX TO ABOVE THE NEAREST ACCESSIBLE CEILING. COORDINATE BOX SIZE AND LOCATION AND THE CONDUIT REQUIREMENTS WITH DDC CONTRACTOR.
- 2. ELECTRICAL CONTRACTOR TO PROVIDE AND CONNECT DUCT DETECTOR. PROVIDE CONNECTION FOR MECHANICAL UNIT SHUT DOWN UPON ACTIVATION OF DUCT DETECTOR. MECHANICAL CONTRACTOR TO MOUNT DUCT DETECTOR IN RETURN SIDE OF DUCT WORK. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
- 3. MOUNT DUCT DETECTOR INDICATOR LED/ANNUNCIATOR IN CEILING BELOW UNIT. LABEL TO IDENTIFY THE RTU IT IS ASSOCIATED WITH.
- 4. PROVIDE CONNECTION FOR PLUMBING FIXTURE TRANSFORMER. TRANSFORMER(S) PROVIDED BY PLUMBING CONTRACTOR. COORDINATE CONNECTION REQUIREMENTS AND BACKBOX LOCATIONS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN TO PROVIDE COMPLETE SYSTEM. RE: PLUMBING SCHEDULES.
- 5. PROVIDE GFCI BREAKER IN PANEL FOR CIRCUIT INDICATED.

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Mechanical Power Plan - Area 'B' Scale: 1/8" = 1'-0"

KEYED NOTES:

- HVAC SYSTEM SENSOR(S). BOX(ES) AND CONDUIT TO BE PROVIDED BY ELECTRICAL CONTRACTOR. SENSOR AND ALL CABLING TO BE FURNISHED AND INSTALLED BY THE DDC CONTRACTOR. PROVIDE A JUNCTION BOX AT 46" AFF FOR EACH SENSOR INDICATED AND 1/2" CONDUIT FROM THE SENSOR JUNCTION BOX TO ABOVE THE NEAREST ACCESSIBLE CEILING. COORDINATE BOX SIZE AND LOCATION AND THE CONDUIT REQUIREMENTS WITH DDC CONTRACTOR.
- LINE VOLTAGE HEAT RISE T-STAT. 1/2" CONDUIT TO ASSOCIATED MECHANICAL UNIT. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR.
- 3. CONNECTION FOR CONDENSATION PUMP. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 4. PROVIDE AND INSTALL LINE VOLTAGE AND CONTROL CABLING TO THE CORRESPONDING OUTDOOR UNIT. COORDINATE REQUIREMENTS WITH THE MECHANICAL CONTRACTOR.
- 5. 1/2" CONDUIT TO CORRESPONDING MECHANICAL UNIT. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTOR(S) WITH MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
- 6. ELECTRICAL CONTRACTOR TO PROVIDE AND CONNECT DUCT DETECTOR. PROVIDE CONNECTION FOR MECHANICAL UNIT SHUT DOWN UPON ACTIVATION OF DUCT DETECTOR. MECHANICAL CONTRACTOR TO MOUNT DUCT DETECTOR IN RETURN SIDE OF DUCT WORK. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
- 7. MOUNT DUCT DETECTOR INDICATOR LED/ANNUNCIATOR IN CEILING BELOW UNIT. LABEL TO IDENTIFY THE RTU IT IS ASSOCIATED WITH.
- 8. PROVIDE CONNECTION FOR PLUMBING FIXTURE TRANSFORMER. TRANSFORMER(S) PROVIDED BY PLUMBING CONTRACTOR. COORDINATE CONNECTION REQUIREMENTS AND BACKBOX LOCATIONS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN TO PROVIDE COMPLETE SYSTEM. RE: PLUMBING SCHEDULES.
- 9. PROVIDE GFCI BREAKER IN PANEL FOR CIRCUIT INDICATED.

(#) SYMBOL USED FOR NOTE CALLOUT.

- HVAC SYSTEM SENSOR(S). BOX(ES) AND CONDUIT TO BE PROVIDED BY ELECTRICAL CONTRACTOR. SENSOR AND ALL CABLING TO BE FURNISHED AND INSTALLED BY THE DDC CONTRACTOR. PROVIDE A JUNCTION BOX AT 46" AFF FOR EACH SENSOR INDICATED AND 1/2" CONDUIT FROM THE SENSOR JUNCTION BOX TO ABOVE THE NEAREST ACCESSIBLE CEILING. COORDINATE BOX SIZE AND LOCATION AND THE CONDUIT REQUIREMENTS WITH DDC CONTRACTOR.
- LINE VOLTAGE HEAT RISE T-STAT. 1/2" CONDUIT TO ASSOCIATED MECHANICAL UNIT. BOX, CONDUIT, AND CONDUCTORS TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR.
- 3. ELECTRICAL CONTRACTOR TO PROVIDE AND CONNECT DUCT DETECTOR. PROVIDE CONNECTION FOR MECHANICAL UNIT SHUT DOWN UPON ACTIVATION OF DUCT DETECTOR. MECHANICAL CONTRACTOR TO MOUNT DUCT DETECTOR IN RETURN SIDE OF DUCT WORK. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
- 4. MOUNT DUCT DETECTOR INDICATOR LED/ANNUNCIATOR IN CEILING BELOW UNIT. LABEL TO IDENTIFY THE RTU IT IS ASSOCIATED WITH.
- 5. PROVIDE CONNECTION FOR PLUMBING FIXTURE TRANSFORMER. TRANSFORMER(S) PROVIDED BY PLUMBING CONTRACTOR. COORDINATE CONNECTION REQUIREMENTS AND BACKBOX LOCATIONS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN TO PROVIDE COMPLETE SYSTEM. RE: PLUMBING SCHEDULES.
- 6. PROVIDE GFCI BREAKER IN PANEL FOR CIRCUIT INDICATED.
- CONNECT WATER HEATER AND ALL ASSOCIATED DEVICES AND EQUIPMENT. COORDINATE WITH PLUMBING CONTRACTOR TO ENSURE ALL ASSOCIATED DEVICES FIT BENEATH, AND DO NOT INTERFERE WITH, SINK SHROUD PRIOR TO ROUGH-IN.

MECHANICAL POWER PLAN - AREA 'C'

Scale: 1/8" = 1'-0"

DRAWING NO. E-5.4 MECHANICAL POWER PLAN - AREA 'D' AND 'E'

(RTU-1.14) **:**

Ŋ Mechanical Power Plan - Area 'F' Scale: 1/8" = 1'-0"

SYMBOL USED FOR NOTE CALLOUT.

 HVAC SYSTEM SENSOR(S). BOX(ES) AND CONDUIT TO BE PROVIDED BY ELECTRICAL CONTRACTOR. SENSOR AND ALL CABLING TO BE FURNISHED AND INSTALLED BY THE DDC CONTRACTOR. PROVIDE A JUNCTION BOX AT 46" AFF FOR EACH SENSOR INDICATED AND 1/2" CONDUIT FROM THE SENSOR JUNCTION BOX TO ABOVE THE NEAREST ACCESSIBLE CEILING. COORDINATE BOX SIZE AND LOCATION AND THE CONDUIT REQUIREMENTS WITH DDC CONTRACTOR.

- 1. RECEPTACLE FOR TEACHERS STATION. RE: CLASSROOM TEACHER STATION DETAIL.
- 2. RECEPTACLE FOR SHORT THROW PROJECTOR. VERIFY PROJECTOR HEIGHT PRIOR TO INSTALLATION. PROJECTOR IS OWNER FURNISHED, CONTRACTOR INSTALLED. CONFIRM WITH OWNER FOR INSTALLATION OF FUTURE PROJECTOR OR FUTURE TV AT THIS LOCATION PRIOR TO ROUGH-IN. RE: CLASSROOM PROJECTOR DETAIL.
- 3. COUNTER TOP FLIP UP RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 4. PROVIDE JUNCTION BOX FOR DOOR SECURITY POWER. PROVIDE BOXES AND CONDUIT FOR FUTURE SECURITY CONDUCTORS. VERIFY ALL REQUIREMENTS WITH DOOR SECURITY EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. RE: DOOR ACCESS CONTROL DETAIL

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Power Plan - Area 'B' Scale: 1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. PROVIDE GFCI TYPE CIRCUIT BREAKER FOR CIRCUIT NOTED.

- 2. RECEPTACLE MOUNTED IN MILLWORK. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN. RE: ARCHITECTURAL MILLWORK ELEVATIONS.
- 3. CONNECTION FOR PRINTER. VERIFY CONNECTION REQUIREMENTS AND LOCATION WITH PRINTER SUPPLIER PRIOR TO ROUGH-IN.
- 4. RECEPTACLE FOR TEACHERS STATION. RE: CLASSROOM TEACHER STATION DETAIL.
- 5. RECEPTACLE FOR SHORT THROW PROJECTOR. VERIFY PROJECTOR HEIGHT PRIOR TO INSTALLATION. PROJECTOR IS OWNER FURNISHED, CONTRACTOR INSTALLED. CONFIRM WITH OWNER FOR INSTALLATION OF FUTURE PROJECTOR OR FUTURE TV AT THIS LOCATION PRIOR TO ROUGH-IN. RE: CLASSROOM PROJECTOR DETAIL.
- 6. COUNTER TOP FLIP UP RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 7. CONNECTION FOR ABOVE COUNTER ICE MAKER. RE: KITCHEN EQUIPMENT SCHEDULE, ENLARGED KITCHEN PLAN.
- 5. RECEPTACLE FOR TV. VERIFY TV LOCATION AND HEIGHT PRIOR TO INSTALLATION. TV IS OWNER FURNISHED, CONTRACTOR INSTALLED.
- 6. CONNECTION FOR SERVER EQUIPMENT. PROVIDE L6-30R RECEPTACLE. VERIFY CONNECTION REQUIREMENTS AND LOCATION PRIOR TO ROUGH-IN.
- 7. PROVIDE JUNCTION BOX FOR DOOR SECURITY POWER. PROVIDE BOXES AND CONDUIT FOR FUTURE SECURITY CONDUCTORS. VERIFY ALL REQUIREMENTS WITH DOOR SECURITY EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. RE: DOOR ACCESS CONTROL DETAIL.
- 8. EXISTING PULLBOX HOUSING PANEL FEEDERS AND EXTENSION LUGS TO REMAIN.

POWER PLAN - AREA 'B'

N. Power Plan - Area 'C' Scale: 1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

- 1. EXISTING DEVICE TO BE DISCONNECTED AND REMOVED, REFER TO THE DEMOLITION PLAN FOR ADDITIONAL INFORMATION. FURNISH AND INSTALL NEW DEVICE NOTED AND EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING AS REQUIRED. COORDINATE WITH EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
- 2. PROVIDE GFCI BREAKER IN PANEL FOR CIRCUIT INDICATED.
- 3. SURFACE MOUNTED RECEPTACLE MOUNTED TO STEEL COLUMN WITH WIREMOLD.
- 4. RECEPTACLE FOR TEACHERS STATION. RE: CLASSROOM TEACHER STATION DETAIL.
- 5. RECEPTACLE FOR TV. VERIFY TV LOCATION AND HEIGHT PRIOR TO INSTALLATION. TV IS OWNER FURNISHED, CONTRACTOR INSTALLED. CONFIRM WITH OWNER FOR INSTALLATION OF FUTURE PROJECTOR OR FUTURE TV AT THIS LOCATION PRIOR TO ROUGH-IN. RE: CLASSROOM TV DETAIL.
- 6. QUAD RECEPTACLE FOR GYM TEACHER STATION TO PROJECTOR. RE: CLASSROOM TEACHER STATION DETAIL (SIMILAR).
- COUNTER TOP FLIP UP RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- SWITCHES FOR MOTORIZED BACKSTOPS. SWITCHES FURNISHED WITH THE BACKBOARD ASSEMBLIES, INSTALLED BY THE ELECTRICAL CONTRACTOR. PROVIDE CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- PROJECTOR SCREEN MOTOR AND RAISE/LOWER SWITCH. COORDINATE CONNECTION REQUIREMENTS AND HEIGHT WITH SCREEN INSTALLER/MANUFACTURER PRIOR TO ROUGH-IN.
- 10. RECEPTACLE FOR PROJECTOR MOUNTED AT STRUCTURE. COORDINATE CONNECTION REQUIREMENTS AND LOCATION WITH PROJECTOR INSTALLER PRIOR TO ROUGH-IN.
- 11. DEDICATED RECEPTACLE FOR SOUND SYSTEM HEAD-END UNIT. RECEPTACLE TO BE MOUNTED IN CABINET. COORDINATE LOCATION AND MOUNTING HEIGHT WITH SOUND SYSTEM INSTALLER PRIOR TO ROUGH-IN.
- 12. CONNECTION FOR FUTURE SCOREBOARD. MOUNT JUNCTION BOX AT 15'-0" AFF WITH BLANK FACEPLATE. PROVIDE CONDUIT, BOXES AND CONDUCTORS REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN. RE: ARCHITECTURAL ELEVATIONS.
- 13. PROVIDE FLEXIBLE CONNECTION BETWEEN WALL AND RECEPTACLE.
- 14. RECEPTACLE TO BE MOUNTED IN THE FACE OF THE BLEACHERS. COORDINATE DEVICE LOCATION WITH ARCHITECT AND BLEACHER PROVIDER PRIOR TO ROUGH-IN.
- 15. PROVIDE JUNCTION BOX FOR DOOR SECURITY POWER. PROVIDE BOXES AND CONDUIT FOR FUTURE SECURITY CONDUCTORS. VERIFY ALL REQUIREMENTS WITH DOOR SECURITY EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. RE: DOOR ACCESS CONTROL DETAIL

POWER PLAN - AREA 'C'

SYMBOL USED FOR NOTE CALLOUT.

1. RECEPTACLE FOR TEACHERS STATION. RE: CLASSROOM TEACHER STATION DETAIL.

- 2. RECEPTACLE FOR SHORT THROW PROJECTOR. VERIFY PROJECTOR HEIGHT PRIOR TO INSTALLATION. PROJECTOR IS OWNER FURNISHED, CONTRACTOR INSTALLED. CONFIRM WITH OWNER FOR INSTALLATION OF FUTURE PROJECTOR OR FUTURE TV AT THIS LOCATION PRIOR TO ROUGH-IN. RE: CLASSROOM PROJECTOR DETAIL.
- 3. COUNTER TOP FLIP UP RECEPTACLE. PROVIDE LEVITON MODEL PFGF1-MB OR EQUAL FLIP UP BOX IN MILLWORK. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 4. CONNECTION FOR DRYER, MOUNT AT +46" AFF.
- 5. CONNECTION FOR SERVER EQUIPMENT. PROVIDE L6-30R RECEPTACLE. VERIFY CONNECTION REQUIREMENTS AND LOCATION PRIOR TO ROUGH-IN.
- 6. PROVIDE JUNCTION BOX FOR DOOR SECURITY POWER. PROVIDE BOXES AND CONDUIT FOR FUTURE SECURITY CONDUCTORS. VERIFY ALL REQUIREMENTS WITH DOOR SECURITY EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. RE: DOOR ACCESS CONTROL DETAIL

Key Plan		
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Area 'D'	Area 'F'	Area''E'
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		Jetterson Elementary School	Addition and Remodel	600 N. Fillmore Street, Jerome, Idaho		
	DATE: February 24, 2023 LKV PROJECT #: - REVISIONS: DRAWN BY: AN CHECKED BY: KI					
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Power Plan - Area 'F'

- 1. NEW DUPLEX RECEPTACLE MOUNTED UNDER DESK. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH DESK INSTALLER PRIOR TO ROUGH-IN.
- NEW QUAD RECEPTACLE MOUNTED UNDER DESK. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH DESK INSTALLER PRIOR TO ROUGH-IN.
- NEW RECEPTACLE MOUNTED UNDER DESK. COORDINATE BOX LOCATION AND CABLE ROUTING WITH DESK INSTALLER PRIOR TO ROUGH-IN.
- 4. UTILIZE EXISTING WALL MOUNTED, DUAL CHANNEL RACEWAY TO RUN NEW CIRCUITS TO NEW COMPUTER DESKS. PROVIDE JUNCTION BOX AT EXISTING RACEWAY AND COORDINATE WITH DESK INSTALLER TO RUN MC-CABLE FROM NEW J-BOX TO TO EACH RECEPTACLE LOCATION AS NEEDED UNDER DESKS. SURFACE MOUNT BACKBOX AND RECEPTACLE, QUANTITY AS REQUIRED, AT REAR OF DESK.
- 5. RECEPTACLE FOR TEACHERS STATION. RE: CLASSROOM TEACHER STATION DETAIL.
- 6. RECEPTACLE FOR SHORT THROW PROJECTOR. VERIFY PROJECTOR HEIGHT PRIOR TO INSTALLATION. PROJECTOR IS OWNER FURNISHED, CONTRACTOR INSTALLED. CONFIRM WITH OWNER FOR INSTALLATION OF FUTURE PROJECTOR OR FUTURE TV AT THIS LOCATION PRIOR TO ROUGH-IN. RE: CLASSROOM PROJECTOR DETAIL.
- 7. COUNTER TOP FLIP UP RECEPTACLE. PROVIDE LEVITON MODEL PFGF1-MB OR EQUAL FLIP UP BOX IN MILLWORK. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- CONNECTION FOR ELECTRONIC DOOR LOCKING SYSTEM. COORDINATE CONNECTION REQUIREMENTS WITH DOOR HARDWARE SUPPLIER. STUB (2)3/4" CONDUITS INTO THE DOOR FRAME FOR CABLING. PROVIDE AND INSTALL ALL CONDUIT, BOXES, AND CONDUCTORS REQUIRED FOR A COMPLETE INSTALLATION.
- 9. CONTROL BUTTON FOR CALM ROOM DOOR. PROVIDE ALL REQUIRED CONDUITS AND CONDUCTORS REQUIRED FOR A COMPLETE INSTALLATION
- 10. RECEPTACLE FOR TV. VERIFY TV LOCATION AND HEIGHT PRIOR TO INSTALLATION. TV IS OWNER FURNISHED, CONTRACTOR INSTALLED. EXTEND RACEWAY AND CONDUCTORS FROM EXISTING DUAL CHANNEL RACEWAY BELOW TO NEW TV RECEPTACLE.
- 11. PROVIDE JUNCTION BOX FOR DOOR SECURITY POWER. PROVIDE BOXES AND CONDUIT FOR FUTURE SECURITY CONDUCTORS. VERIFY ALL REQUIREMENTS WITH DOOR SECURITY EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. RE: DOOR ACCESS CONTROL DETAIL

	A R C H I T E C T S 2400 E RIVERWALK DRIVE BOISE, IDAHO 83706 WWW.LKVARCHITECTS.COM 208.336.3443					
	WINSCREDE NUSSGROVE ENGINEERING, P.A. 334 S. Whisperwood Way Boise, Idaho 83709 208.384.0585 www.musgrovepa.com OVER 40 YEARS OF EXCELLENCE Project No. 22-104					
	e	2023	ECHTENT	<u></u>		
	Date	05/11/2				
Revisions	Description	Addendum #1				
	#	\mathbb{V}				
Jefferson Elementary School Addition and Remodel 600 N. Fillmore Street, Jerome, Idaho						
DATE: February 24, 2023 LKV PROJECT #: - REVISIONS:						
DRAWN BY: AN CHECKED BY: KL						
	Design Development DRAWING NO.					

KITCHEN EQUIPMENT SCHEDULE						
ITEM #	DESCRIPTION	MANUFACTURER	CONNECTION TYPE	ELECTRICAL DATA		
K1	DISHWASHER	ADS	DIRECT CONNECT	208V/3P		
K1.2	DISHWASHER BOOSTER (EXTERNAL)	ADS	DIRECT CONNECT	208V/3P		
K3	GARBAGE DISPOSAL	HOBART	DIRECT CONNECT	208V/2P, 6A		
K5	HOT FOOD CABINET	METRO	PLUG	120V/1P, 2kW		
K5	HOT FOOD CABINET	METRO	PLUG	120V/1P, 2kW		
K6	REACH-IN FRIDGE	BEVERAGE-AIR	PLUG	120V/1P		
K7	STEAM DROP-IN	TABCO	PLUG	208V/2P, 1.6kW		
K7	STEAM DROP-IN	TABCO	PLUG	208V/2P, 1.6kW		
K8	ICE MAKER	MANITOWOC	PLUG	120V/1P		
K9	CONVECTION OVEN (GAS DBL STACK)	VULCAN	PLUG	120V/1P, 7.7A		
K9	CONVECTION OVEN (GAS DBL STACK)	VULCAN	PLUG	120V/1P, 7.7A		
K10	30 QUART MIXER	HOBART	PLUG	120V/1P, 9.5A		
K11	60 QUART MIXER	HOBART	DIRECT CONNECT	208V/3P, 10A		
K16	WALK-IN COOLER (CONDENSER)		DIRECT CONNECT	208V/3P		
K16a	WALK-IN COOLER (FAN COIL)		DIRECT CONNECT	120V/1P		
K17	WALK-IN FREEZER (CONDENSER)		DIRECT CONNECT	208V/3P		
K17a	WALK-IN FREEZER (FAN COIL)		DIRECT CONNECT	208V/2P		
K18	COMBI OVEN (GAS SINGLE STACK)	RATIONAL	PLUG	120V/1P, 1.3kW		
K18	COMBI OVEN (GAS SINGLE STACK)	RATIONAL	PLUG	120V/1P, 1.3kW		
K19	STEAM KETTLE (GAS)	CLEVLAND	PLUG	120V/1P, 5A		
K19	STEAM KETTLE (GAS)	CLEVLAND	PLUG	120V/1P, 5A		
K26	FOOD SLICER	HOBART	PLUG	120V/1P		
K37	ABOVE COUNTER ICE MACHINE	MANITOWOC	PLUG	120V/1P		
KA	OWNER FURNISHED MILK COOLER		PLUG	120V/1P		
KB	OWNER FURNISHED POS MACHINE		PLUG	120V/1P		

KITCHEN HOOD CONTACTOR PANEL DETAIL NTS

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

- 1. 2-POLE PILOT SWITCH FOR DISHWASHER HOOD FAN. SWITCH LIT IN ON POSITION. ROUTE TO DISHWASHER HOOD FAN LOCATED ON ROOF. VERIFY SWITCH LOCATION PRIOR TO ROUGH-IN. LABEL SWITCH "DISHWASHER EXHAUST". RE: ELECTRICAL ROOF PLAN – AREA 'B'.
- 2. CONNECTION FOR COOLER/FREEZER FAN COILS. COORDINATE CONNECTION REQUIREMENTS WITH EQUIPMENT SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. PROVIDE DISCONNECTING MEANS AS REQUIRED.
- 3. PROVIDE 3/4" CONDUIT AND CONTROL CONDUCTORS AS NECESSARY BETWEEN THE INTERIOR AND EXTERIOR MECHANICAL UNITS. COORDINATE WITH MECHANICAL CONTRACTOR AND KITCHEN WALK-IN COOLER/FREEZER SUPPLIER.
- 4. PROVIDE LOCKOUT BREAKER IN PANEL AT POSITION INDICATED.
- 5. FURNISH AND INSTALL HEAT TAPE FOR WALK-IN DOOR AND CONDENSATE LINE DEFROST. COORDINATE CONNECTION AND HEAT TAPE REQUIREMENTS FOR BOTH FREEZER AND COOLER WITH WALK-IN SUPPLIER/INSTALLER PRIOR TO ROUGH-IN.
- 6. PROVIDE GFEP BREAKER IN PANEL FOR EQUIPMENT PROTECTION (30mA.) 7. PROVIDE CONNECTION FOR MOTORIZED ROLLUP DOOR AND CONTROL SWITCH. VERIFY SWITCH LOCATION PRIOR TO ROUGH-IN.
- 8. JUNCTION BOX FOR HOOD LIGHTS AND FAN CONTROLS MOUNTED AT 46" AFF. VERIFY CONTROL INTERFACE LOCATION AND BOX REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- 9. CONNECTION FOR HOOD CONTROL PANEL AND LIGHTS. COORDINATE CONNECTION LOCATIONS WITH HOOD INSTALLER PRIOR TO ROUGH-IN. RE:KITCHEN HOOD CONTACTOR CABINET DETAIL. GROUND FAULT RELAY CABINET 'GFR' TO BE FLUSH MOUNTED NEXT TO PANEL 'K'.
- 10. CONNECT WATER HEATER AND ALL ASSOCIATED DEVICES AND EQUIPMENT. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- 11. GROUND FAULT RELAY CABINET 'GFR'. CABINET TO BE LOCATED ABOVE ACCESSIBLE CEILING NEAR PANEL 'K'. RE: GROUND FAULT RELAY CABINET DETAIL.
- 12. ABOVE COUNTER RECEPTACLE. COORDINATE HEIGHT WITH COUNTER SUPPLIER TO ENSURE RECEPTACLE IS ABOVE STAINLESS BACKSPLASH PRIOR TO ROUGH-IN.
- 13. CONNECTION FOR FOOD WASTE DISPOSAL. PROVIDE WITH 'INSINKERATOR' CC-101 CONTROLLER. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN AND ORDERING CONTROL BOX BASED ON WATER TIMER SELECTION CIRCUIT.
- 14. DISCONNECTING MEANS TO BE LOCATED BELOW THE COUNTER. COORDINATE LOCATION TO ENSURE ACCESSIBILITY.
- 15. ROUTE CIRCUIT THROUGH HOOD CONTACTOR CABINET 'HCC'. RE: HOOD CONTACTOR CABINET DETAIL.
- 16. ROUTE CIRCUIT THROUGH THE GROUND FAULT RELAY PANEL 'GFR'. RE: GROUND FAULT RELAY CABINET DETAIL.
- 17. DOOR CHIME AND PUSH BUTTON. PROVIDE DOOR CHIME, TRANSFORMER AND EXTERIOR RATED PUSH BUTTON. PUSH BUTTON TO BE MOUNTED AT 46" AFG. PROVIDE ALL CONDUIT, JUNCTION BOXES AND CONDUCTORS AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.

COORDINATE VALVE LOCATION WITH

WITH REMOTE MOUNTED SWITCHES CONTRACTOR FOR HOOD LIGHTS AND EXHAUST FAN CONTROL. CONTROL PANEL PROVIDED BY MECHANICAL CONTRACTOR CONTRACTOR. FIELD VERIFY LOCATION

3. SWITCHES FOR HOOD LIGHTS AND HOOD EXHAUST FAN CONTROL TO BE REMOTE MOUNTED BY ELECTRICAL CONTRACTOR. VERIFY SWITCH TYPE AND LOCATION WITH HOOD INSTALLER PRIOR TO ROUGH-IN.

Special Systems Plan - Area 'A'

(#) SYMBOL USED FOR NOTE CALLOUT.

- PROVIDE 1" CONDUIT FROM DATA OUTLET TO VOID ABOVE ACCESSIBLE CEILING. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING.
- 2. TEACHERS DESK DATA AND AV CONNECTION POINT. PROVIDE JUNCTION BOX AND ROUTE 1-1/4" CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. PROVIDE USB AND HDMI CABLING, AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. RE:CLASSROOM TEACHER STATION DETAIL.
- 3. CLASSROOM PROJECTOR DATA AND A/V CONNECTION POINT. PROVIDE JUNCTION BOX AT HEIGHT INDICATED AND ROUTE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TO FUTURE TV LOCATION. PROVIDE DATA CABLING; QUANTITY AS INDICATED FROM DATA OUTLET AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING RE:CLASSROOM PROJECTOR DETAIL.
- 4. PROVIDE SURFACE MOUNTED IP CLOCK AND SPEAKER COMBINATION UNIT FOR INTERCOM SYSTEM AT +8'-0' UNO. PROVIDE 2-GANG MUD-RING AND STUB 1" CONDUIT FROM MUD-RING TO THE VOID ABOVE THE ACCESSIBLE CEILING. PROVIDE DATA CABLE FROM COMBO UNIT TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. VERIFY COMBO UNIT LOCATION PRIOR TO ROUGH-IN. PROVIDE MATERIALS AND LABOR REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- 5. TWO WAY COMMUNICATION AND EMERGENCY CALL BUTTON BETWEEN CLASSROOM AND ADMIN AREA. PROVIDE CALL BUTTON AND CABLING REQUIRED COMPATIBLE WITH INTERCOM SYSTEM. COORDINATE SYSTEM REQUIREMENTS WITH INTERCOM SYSTEM INSTALLER.
- 6. COUNTER TOP FLIP UP DATA RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. PROVIDE PORTS AND CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 7. CEILING MOUNTED WIRELESS ACCESS POINT (WAP). PROVIDE SURFACE MOUNTED DATA JACK IN CEILING WITH (2) DATA PORTS. PROVIDE DATA CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED AND ROUTE VIA CABLE TRAY. TERMINATE AND TEST ALL CABLING. THE WAP DEVICE WILL BE FURNISHED AND CALIBRATED BY THE SCHOOL DISTRICT AND INSTALLED BY THE ELECTRICAL CONTRACTOR PER THE MANUFACTURE'S RECOMMENDATIONS. PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- INTERIOR SECURITY CAMERA FURNISHED AND INSTALLED BY THE OWNER. CONTRACTOR TO PROVIDE SURFACE MOUNTED DATA BOX (BISCUIT), WITH QUANTITY OF DATA PORTS AS INDICATED, ABOVE THE ACCESSIBLE CEILING OR AT THE BUILDING STRUCTURE FOR SECURITY CAMERA CONNECTION. COORDINATE THE DATA OUTLET AND CAMERA LOCATION WITH THE SCHOOL DISTRICT PRIOR TO INSTALLATION. PROVIDE DATA CABLES; QUANTITY AS INDICATED, TO A DEDICATED, POE, PATCH PANEL IN DATA RACK INDICATED. ANALOG INTERCOM ZONE SPEAKER TO BE CONNECTED TO THE INTERCOM
- SYSTEM VIA ZONE CONTROLLER. CONNECT TO PAGING ZONE INDICATED. PROVIDE SPEAKER, BACKBOX, AND CABLING. PROVIDE ZONE CONTROL AMPLIFIER IN THE 'MDF' DATA RACK. OWNER TO PROVIDE DATA RACK SWITCH(ES) IN 'MDF' DATA RACK.
- 10. PROVIDE JUNCTION BOX FOR CARD READER AT +46" AFG AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE CABLING PER SPECIFICATION REQUIREMENTS. REFER TO DOOR ACCESS CONTROL DETAIL.
- 11. STUB (3) 3/4" CONDUITS FROM DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME ON LATCH SIDE AND ONE INTO DOOR FRAME AT MIDDLE HINGES ON EACH SIDE OF DOUBLE DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
 - EXTERIOR, WALL MOUNTED, SECURITY CAMERA FURNISHED AND INSTALLED BY THE OWNER. CONTRACTOR TO PROVIDE A JUNCTION BOX AT 12'-0" AFG AND 3/4" CONDUIT FROM THE JUNCTION BOX TO THE NEAREST ACCESSIBLE CEILING SPACE. PROVIDE SURFACE MOUNTED DATA BOX (BISCUIT) WITH QUANTITY OF DATA PORTS AS INDICATED, IN THE JUNCTION BOX. COORDINATE THE DATA OUTLET AND CAMERA LOCATION WITH THE SCHOOL DISTRICT PRIOR TO INSTALLATION. PROVIDE DATA CABLES; QUANTITY AS INDICATED, TO A DEDICATED, POE, PATCH PANEL IN THE DATA RACK INDICATED.

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SPECIAL SYSTEMS PLAN - AREA 'A'

Special Systems Plan - Area 'B' Scale: 1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

- 1. PROVIDE 1" CONDUIT FROM DATA OUTLET TO VOID ABOVE ACCESSIBLE CEILING. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING.
- 2. TEACHERS DESK DATA AND AV CONNECTION POINT. PROVIDE JUNCTION BOX AND ROUTE 1-1/4" CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. PROVIDE USB AND HDMI CABLING, AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. RE:CLASSROOM TEACHER STATION DETAIL.
- 3. CLASSROOM PROJECTOR DATA AND A/V CONNECTION POINT. PROVIDE JUNCTION BOX AT HEIGHT INDICATED AND ROUTE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TO FUTURE TV LOCATION. PROVIDE DATA CABLING; QUANTITY AS INDICATED FROM DATA OUTLET AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING RE:CLASSROOM PROJECTOR DETAIL.
- 4. PROVIDE SURFACE MOUNTED IP CLOCK AND SPEAKER COMBINATION UNIT FOR INTERCOM SYSTEM AT +8'-0' UNO. PROVIDE 2-GANG MUD-RING AND STUB 1" CONDUIT FROM MUD-RING TO THE VOID ABOVE THE ACCESSIBLE CEILING. PROVIDE DATA CABLE FROM COMBO UNIT TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. VERIFY COMBO UNIT LOCATION PRIOR TO ROUGH-IN. PROVIDE MATERIALS AND LABOR REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- 5. TWO WAY COMMUNICATION AND EMERGENCY CALL BUTTON BETWEEN CLASSROOM AND ADMIN AREA. PROVIDE CALL BUTTON AND CABLING REQUIRED COMPATIBLE WITH INTERCOM SYSTEM. COORDINATE SYSTEM REQUIREMENTS WITH INTERCOM SYSTEM INSTALLER.
- 6. COUNTER TOP FLIP UP DATA RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. PROVIDE PORTS AND CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 7. CEILING MOUNTED WIRELESS ACCESS POINT (WAP). PROVIDE SURFACE MOUNTED DATA JACK IN CEILING WITH (2) DATA PORTS. PROVIDE DATA CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED AND ROUTE VIA CABLE TRAY. TERMINATE AND TEST ALL CABLING. THE WAP DEVICE WILL BE FURNISHED AND CALIBRATED BY THE SCHOOL DISTRICT AND INSTALLED BY THE ELECTRICAL CONTRACTOR PER THE MANUFACTURE'S RECOMMENDATIONS. PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- 8. CLASSROOM TV DATA AND A/V CONNECTION POINT. PROVIDE JUNCTION BOX AT HEIGHT INDICATED AND ROUTE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE DATA CABLING; QUANTITY AS INDICATED FROM DATA OUTLET AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. RE:CLASSROOM PROJECTOR DETAIL (SIMILAR).
- 9. DATA RECEPTACLE MOUNTED IN MILLWORK. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN. ROUTE 1" CONDUIT FROM MILLWORK, UNDERGROUND TO THE NEAREST FULL HEIGHT WALL WITH ACCESSIBLE CEILING. PROVIDE CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. RE: ARCHITECTURAL MILLWORK ELEVATIONS.

 INTERIOR SECURITY CAMERA FURNISHED AND INSTALLED BY THE OWNER. CONTRACTOR TO PROVIDE SURFACE MOUNTED DATA BOX (BISCUIT), WITH QUANTITY OF DATA PORTS AS INDICATED, ABOVE THE ACCESSIBLE CEILING OR AT THE BUILDING STRUCTURE FOR SECURITY CAMERA CONNECTION. COORDINATE THE DATA OUTLET AND CAMERA LOCATION WITH THE SCHOOL DISTRICT PRIOR TO INSTALLATION. PROVIDE DATA CABLES; QUANTITY AS INDICATED, TO A DEDICATED, POE, PATCH PANEL IN DATA RACK INDICATED.
 ANALOG INTERCOM ZONE SPEAKER TO BE CONNECTED TO THE INTERCOM SYSTEM VIA ZONE CONTROLLER. CONNECT TO PAGING ZONE INDICATED. PROVIDE SPEAKER, BACKBOX, AND CABLING. PROVIDE ZONE CONTROL AMPLIFIER IN THE 'MDF' DATA RACK. OWNER TO PROVIDE DATA RACK SWITCHS IN 'MDF' DATA RACK.

- 12. PROVIDE JUNCTION BOX FOR CARD READER AT +46" AFG AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE CABLING PER SPECIFICATION REQUIREMENTS. REFER TO DOOR ACCESS CONTROL DETAIL.
- 13. STUB (1)3/4" CONDUIT FROM THE DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING FOR DOOR ACCESS CONTROL CABLING. STUB ONE CONDUIT INTO THE TOP OF THE FRAME ON THE LATCH SIDE OF THE DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN. RE: DOOR ACCESS CONTROL DETAIL
- 14. STUB (2) 3/4" CONDUITS FROM DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME ON LATCH SIDE AND ONE INTO DOOR FRAME AT MIDDLE HINGE OF DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
- 15. STUB (3) 3/4" CONDUITS FROM DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME ON LATCH SIDE AND ONE INTO DOOR FRAME AT MIDDLE HINGES ON EACH SIDE OF DOUBLE DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

PLAN - AREA 'B'

Special Systems Plan - Area 'C'

KEYED NOTES:

- (#) SYMBOL USED FOR NOTE CALLOUT.
- AND TEST ALL CABLING.
- TEACHERS DESK DATA AND AV CONNECTION POINT. PROVIDE JUNCTION BOX AND ROUTE 1-1/4" CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. PROVIDE USB AND HDMI CABLING, AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET, TO THE DATA RACK INDICATED. ROUTE VIA CABLE TRAY. TERMINATE AND TEST ALL CABLING. RE:CLASSROOM TEACHER STATION DETAIL.
- CLASSROOM PROJECTOR DATA AND A/V CONNECTION POINT. PROVIDE JUNCTION BOX AT HEIGHT INDICATED AND ROUTE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TO FUTURE TV LOCATION. PROVIDE DATA CABLING; QUANTITY AS INDICATED FROM DATA OUTLET AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS, TO THE DATA RACK INDICATED. ROUTE VIA CABLE TRAY. TERMINATE AND TEST ALL CABLING RE:CLASSROOM PROJECTOR DETAIL.
- PROVIDE SURFACE MOUNTED IP CLOCK AND SPEAKER COMBINATION UNIT FOR INTERCOM SYSTEM AT +8'-0' UNO. PROVIDE 2-GANG MUD-RING AND STUB 1" CONDUIT FROM MUD-RING TO THE VOID ABOVE THE ACCESSIBLE CEILING. PROVIDE DATA CABLE FROM COMBO UNIT TO THE DATA RACK INDICATED. ROUTE VIA CABLE TRAY. TERMINATE AND TEST ALL CABLING. VERIFY COMBO UNIT LOCATION PRIOR TO ROUGH-IN. PROVIDE MATERIALS AND LABOR REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- 5. TWO WAY COMMUNICATION AND EMERGENCY CALL BUTTON BETWEEN CLASSROOM AND ADMIN AREA. PROVIDE CALL BUTTON AND CABLING REQUIRED COMPATIBLE WITH INTERCOM SYSTEM. COORDINATE SYSTEM REQUIREMENTS WITH INTERCOM SYSTEM INSTALLER.
- COUNTER TOP FLIP UP DATA RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. PROVIDE PORTS AND CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO DATA RACK INDICATED. ROUTE VIA CABLE TRAY. TERMINATE AND TEST ALL CABLING. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 7. GYM SOUND SYSTEM HEAD-END EQUIPMENT FOR GYMNASIUM MOUNTED ON THE WALL SUCH THAT THE TOP OF THE RACK IS 6'-0" AFF.
- 8. REMOTE SOUND SYSTEM ANTENNA WITH WIRE GUARD FOR SOUND SYSTEM IN THIS ROOM MOUNTED AT BOTTOM OF ROOF DECK. PROVIDE 1" CONDUIT AND CABLING AS REQUIRED TO SOUND SYSTEM HEAD-END EQUIPMENT LOCATED IN PE STORAGE 188.
- REMOTE ALS ANTENNA WITH WIRE GUARD FOR SOUND SYSTEM IN THIS ROOM MOUNTED AT BOTTOM OF ROOF DECK. PROVIDE 1" CONDUIT AND CABLING AS REQUIRED TO SOUND SYSTEM HEAD-END EQUIPMENT LOCATED IN PE STORAGE 188.
- 10. MICROPHONE AND AUXILIARY INPUT JACKS FOR GYM SOUND SYSTEM MOUNTED AT 1'-6" AFF. PROVIDE 3/4" CONDUIT AND CABLING AS REQUIRED TO THE GYM HEAD-END SOUND SYSTEM LOCATED IN PE STORAGE 188.
- ROOM SOUND SYSTEM SPEAKER MOUNTED AT THE BUILDING STRUCTURE. PROVIDE CONDUIT AND CABLING BETWEEN EACH SPEAKER THEN TO THE CORRESPONDING GYM OR CAFETERIA SOUND SYSTEM HEAD-END EQUIPMENT LOCATED IN PE STORAGE 188. COORDINATE LOCATION AND AIMING OF THE SPEAKER TO PROVIDE OPTIMAL PERFORMANCE WITHIN THE SPACE.
- 12. FLUSH MOUNTED REMOTE SOUND SYSTEM CONTROL PANEL MOUNTED AT 46" AFF. PROVIDE ENCLOSURE (HOFFMAN ASE SERIES OR EQUAL) WITH A LOCKABLE HINGED COVER (HOFFMAN AFDF SERIES WITH AN ACLFDF LOCK KIT OR EQUAL). SIZE ENCLOSURE AS REQUIRED TO ACCOMMODATE ALL CONTROLS. CONTROL DEVICES SHALL BE INSTALLED IN JUNCTION BOXES ALL CONDUCTORS AND CABLING WITHIN THE ENCLOSURE ARE TO B CONCEALED SO THEY ARE NOT EXPOSED TO THE USER. PROVIDE (2) 3/4" SPARE CONDUITS FROM ENCLOSURE TO BUILDING STRUCTURE. PROVIDE (2)1" CONDUIT WITH CABLING AS REQUIRED TO SOUND SYSTEM HEAD-END UNIT LOCATED IN PE STORAGE 188. LOCK SHALL BE KEYED TO MATCH THE SCHOOL MASTER KEY SYSTEM.
- 13. REMOTE SOUND SYSTEM VOLUME CONTROLS. PROVIDE 3-GANG BOX FOR REMOTE SOUND SYSTEM HEAD END CONTROLS AND BLUETOOTH CONTROLS. CONTROLS ARE TO BE LOCATED IN FLUSH MOUNTED LOCKABLE ENCLOSURE.
- 14. PROVIDE FLEXIBLE CONNECTION BETWEEN WALL AND RECEPTACLE. 15. RECEPTACLE TO BE MOUNTED IN THE FACE OF THE BLEACHERS.
- COORDINATE DEVICE LOCATION WITH ARCHITECT AND BLEACHER PROVIDER PRIOR TO ROUGH-IN.
- PROJECTOR A/V CONNECTION POINT. PROVIDE A 2-GANGE JUNCTION BOX MOUNTED AT OVERHEAD PROJECTOR LOCATION FOR USB AND HDMI CABLING. PROVIDE A 1-1/4" CONDUIT FROM FROM PROJECTOR TO TEACHER STATION A/V CONNECTION POINT NEAR STAGE. VERIFY PROJECTOR LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN. RE: CLASSROOM TEACHER STATION DETAIL (SIMILAR).
- DESK DATA AND A/V CONNECTION POINT FOR PROJECTOR. PROVIDE 2-GANG JUNCTION BOX AT 18" AND STUB A 1-1/4" CONDUIT FROM BOX TO STRUCTURE THEN TO DATA BOX AT OVERHEAD PROJECTOR FOR DATA AND HDMI CABLE ROUTING. RE: CLASSROOM TEACHER STATION DETAIL (SIMILAR).
- PROVIDE JUNCTION BOX WITH BLANK COVER PLATE AT 15'-0" FOR FUTURE SCOREBOARD CONTROLS. VERIFY SCOREBOARD LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN. ROUTE 1" CONDUIT WITH PULL STRING TO STRUCTURE, THEN TO J-BOX BEHIND BLEACHERS FOR FUTURE CABLING.
- 20. JUNCTION BOX FOR FUGURE SCOREBOARD CONTROL CABLING MOUNTED AT 1'-6" AFF. PROVIDE 1" CONDUIT FROM SCOREBOARD CONTROLS TO JUNCTION BOX AT SCOREBOARD. PROVIDE BLANK COVER PLATE. \sim
- INTERIOR SECURITY CAMERA FURNISHED AND INSTALLED BY THE OWNER CONTRACTOR TO PROVIDE SURFACE MOUNTED DATA BOX (BISCUIT), WITH QUANTITY OF DATA PORTS AS INDICATED, ABOVE THE ACCESSIBLE CEILING OR AT THE BUILDING STRUCTURE FOR SECURITY CAMERA CONNECTION. COORDINATE THE DATA OUTLET AND CAMERA LOCATION WITH THE SCHOOL DISTRICT PRIOR TO INSTALLATION. PROVIDE DATA CABLES; QUANTITY AS INDICATED, TO A DEDICATED, POE, PATCH PANEL IN DATA RACK INDICATED.

PROVIDE 1" CONDUIT FROM DATA OUTLET TO VOID ABOVE ACCESSIBLE CEILING. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED. ROUTE VIA CABLE TRAY. TERMINATE

PROVIDE 1" CONDUIT TO STRUCTURE. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED. ROUTE VIA CABLE TRAY. TERMINATE AND TEST ALL CABLING.

- 22. PROVIDE JUNCTION BOX IN WALL AT +120" UNO. FOR A WIRELESS ACCESS POINT (WAP). COORDINATE THE DATA OUTLET LOCATION WITH THE SCHOOL DISTRICT I.T. STAFF PRIOR TO INSTALLATION. PROVIDE 1" CONDUIT WITH DATA CABLES, QUANTITY AS INDICATED TO DATA RACK INDICATED. PROVIDE 18" OF SLACK IN THE BOX FOR CONNECTION TO OWNER PROVIDED WAP. THE WAP DEVICE WILL BE FURNISHED AND CALIBRATED BY THE SCHOOL DISTRICT I.T. STAFF AND INSTALLED BY THE ELECTRICAL CONTRACTOR PER THE MANUFACTURE'S RECOMMENDATIONS. PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- 23. PROVIDE CONDUIT SLEEVES, QUANTITY AND SIZE AS INDICATED. TERMINATE WITH INSULATED THROAT BUSHINGS.
- ANALOG INTERCOM ZONE SPEAKER TO BE CONNECTED TO THE INTERCOM 24. SYSTEM VIA ZONE CONTROLLER. CONNECT TO PAGING ZONE INDICATED. PROVIDE SPEAKER, BACKBOX, AND CABLING. PROVIDE ZONE CONTROL AMPLIFIER IN THE 'MDF' DATA RACK. OWNER TO PROVIDE DATA RACK SWITCHS IN 'MDF' DATA RACK.
- EXTERIOR ANALOG, FLUSH MOUNTED, INTERCOM SPEAKER WITH VANDAL RESISTANT COVER. SPEAKER TO BE CONNECTED TO THE BUILDING INTERCOM SYSTEM VIA A ZONE CONTROLLER. CONNECT TO PAGING ZONE INDICATED. PROVIDE SPEAKER, 4x4 BACKBOX, AND CABLING. PROVIDE ZONE CONTROL AMPLIFIER IN THE 'MDF' DATA RACK. OWNER TO PROVIDE DATA RACK SWITCH(ES) IN 'MDF' DATA RACK. MOUNT SPEAKER AT 10'-6" AFF. VERIFY MOUNTING HEIGHT PRIOR TO ROUGH IN.
- PROVIDE JUNCTION BOX FOR CARD READER AT +46" AFG AND 3/4" CONDUIT 26 TO ABOVE ACCESSIBLE CEILING. PROVIDE CABLING PER SPECIFICATION REQUIREMENTS. REFER TO DOOR ACCESS CONTROL DETAIL.
- STUB (3) 3/4" CONDUITS FROM DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME ON LATCH SIDE AND ONE INTO DOOR FRAME AT MIDDLE HINGES ON EACH SIDE OF DOUBLE DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
- STUB (2) 3/4" CONDUITS FROM DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME ON LATCH SIDE AND ONE INTO DOOR FRAME AT MIDDLE HINGE OF DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN
- EXTERIOR, WALL MOUNTED, SECURITY CAMERA FURNISHED AND INSTALLED 29. BY THE OWNER. CONTRACTOR TO PROVIDE A JUNCTION BOX AT 12'-0" AFG AND 3/4" CONDUIT FROM THE JUNCTION BOX TO THE NEAREST ACCESSIBLE CEILING SPACE. PROVIDE SURFACE MOUNTED DATA BOX (BISCUIT) WITH QUANTITY OF DATA PORTS AS INDICATED, IN THE JUNCTION BOX. COORDINATE THE DATA OUTLET AND CAMERA LOCATION WITH THE SCHOOL DISTRICT PRIOR TO INSTALLATION. PROVIDE DATA CABLES; QUANTITY AS INDICATED, TO A DEDICATED, POE, PATCH PANEL IN THE DATA RACK INDICATED.

PLAN - AREA 'C'

- . PROVIDE 1" CONDUIT FROM DATA OUTLET TO VOID ABOVE ACCESSIBLE CEILING. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING.
- 2. TEACHERS DESK DATA AND AV CONNECTION POINT. PROVIDE JUNCTION BOX AND ROUTE 1-1/4" CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. PROVIDE USB AND HDMI CABLING, AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. RE:CLASSROOM TEACHER STATION DETAIL.
- 3. CLASSROOM PROJECTOR DATA AND A/V CONNECTION POINT. PROVIDE JUNCTION BOX AT HEIGHT INDICATED AND ROUTE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TO FUTURE TV LOCATION. PROVIDE DATA CABLING; QUANTITY AS INDICATED FROM DATA OUTLET AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING RE:CLASSROOM PROJECTOR DETAIL.
- 4. PROVIDE SURFACE MOUNTED IP CLOCK AND SPEAKER COMBINATION UNIT FOR INTERCOM SYSTEM AT +8'-0' UNO. PROVIDE 2-GANG MUD-RING AND STUB 1" CONDUIT FROM MUD-RING TO THE VOID ABOVE THE ACCESSIBLE CEILING. PROVIDE DATA CABLE FROM COMBO UNIT TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. VERIFY COMBO UNIT LOCATION PRIOR TO ROUGH-IN. PROVIDE MATERIALS AND LABOR REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- 5. TWO WAY COMMUNICATION AND EMERGENCY CALL BUTTON BETWEEN CLASSROOM AND ADMIN AREA. PROVIDE CALL BUTTON AND CABLING REQUIRED COMPATIBLE WITH INTERCOM SYSTEM. COORDINATE SYSTEM REQUIREMENTS WITH INTERCOM SYSTEM INSTALLER.
- 6. COUNTER TOP FLIP UP DATA RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. PROVIDE PORTS AND CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 7. REMOTE DATA RACK 'IDFB' MOUNTED ON THE WALL SUCH THAT THE TOP OF THE TOP RACK IS 6'-6" AFF. PROVIDE LOCKABLE CABINET, ALL PATCH PANELS AND FIBER OPTIC SWITCHES AS REQUIRED. PROVIDE A 6-STRAND, MULTI-MODE, FIBER OPTIC FROM 'IDFA' TO THE EXISTING 'MDF' DATA RACK LOCATED IN I.T. SERVER ROOM 150. RE: ELECTRICAL ELECTRICAL OVERALL FLOOR PLAN. THE LOCATION OF THE 'IDFB' DATA CABINET AS WELL AS THE LAYOUT OF THE EQUIPMENT WITHIN THE CABINET SHALL BE REVIEWED WITH THE SCHOOL DISTRICT I.T. DEPARTMENT PRIOR TO ROUGH-IN. INSTALLATIONS NOT APPROVED BY THE SCHOOL DISTRICT I.T. STAFF PRIOR TO INSTALLATION ARE SUBJECT TO MODIFICATION TO MEET SCHOOL DISTRICT'S NEEDS AT THE CONTRACTOR'S EXPENSE.
- INTERIOR SECURITY CAMERA FURNISHED AND INSTALLED BY THE OWNER. CONTRACTOR TO PROVIDE SURFACE MOUNTED DATA BOX (BISCUIT), WITH QUANTITY OF DATA PORTS AS INDICATED, ABOVE THE ACCESSIBLE CEILING OR AT THE BUILDING STRUCTURE FOR SECURITY CAMERA CONNECTION. COORDINATE THE DATA OUTLET AND CAMERA LOCATION WITH THE SCHOOL DISTRICT PRIOR TO INSTALLATION. PROVIDE DATA CABLES; QUANTITY AS INDICATED, TO A DEDICATED, POE, PATCH PANEL IN DATA RACK INDICATED.
 PROVIDE WIRE BASKET CABLE TRAY WITH FITTINGS, SIZE AS INDICATED, ABOVE THE ACCESSIBLE CEILING. FIELD COORDINATE ROUTING OF THE CABLE TRAY WITH ALL OTHER TRADES TO ENSURE PROPER ACCESS TO THE CABLE TRAY AND OTHER TRADE EQUIPMENT.
- 10. PROVIDE CONDUIT SLEEVES, QUANTITY AND SIZE AS INDICATED. TERMINATE WITH INSULATED THROAT BUSHINGS.
- 11. PROVIDE JUNCTION BOX FOR CARD READER AT +46" AFG AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE CABLING PER SPECIFICATION REQUIREMENTS. REFER TO DOOR ACCESS CONTROL DETAIL.
- 12. STUB (3) 3/4" CONDUITS FROM DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME ON LATCH SIDE AND ONE INTO DOOR FRAME AT MIDDLE HINGES ON EACH SIDE OF DOUBLE DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
- 13. STUB (1)3/4" CONDUIT FROM THE DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING FOR DOOR ACCESS CONTROL CABLING. STUB ONE CONDUIT INTO THE TOP OF THE FRAME ON THE LATCH SIDE OF THE DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN. RE: DOOR ACCESS CONTROL DETAIL

Special Systems Plan - Area 'F'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

- PROVIDE 1" CONDUIT FROM DATA OUTLET TO VOID ABOVE ACCESSIBLE CEILING. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING.
- TEACHERS DESK DATA AND AV CONNECTION POINT. PROVIDE JUNCTION BOX AND ROUTE 1-1/4" CONDUIT UP WALL TO ABOVE ACCESSIBLE CEILING. PROVIDE USB AND HDMI CABLING, AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS. PROVIDE DATA CABLING; QUANTITY AS INDICATED, FROM DATA OUTLET, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. RE:CLASSROOM TEACHER STATION DETAIL.
- 3. CLASSROOM PROJECTOR DATA AND A/V CONNECTION POINT. PROVIDE JUNCTION BOX AT HEIGHT INDICATED AND ROUTE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TO FUTURE TV LOCATION. PROVIDE DATA CABLING; QUANTITY AS INDICATED FROM DATA OUTLET AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING RE:CLASSROOM PROJECTOR DETAIL.
- 4. PROVIDE SURFACE MOUNTED IP CLOCK AND SPEAKER COMBINATION UNIT FOR INTERCOM SYSTEM AT +8'-0' UNO. PROVIDE 2-GANG MUD-RING AND STUB 1" CONDUIT FROM MUD-RING TO THE VOID ABOVE THE ACCESSIBLE CEILING. PROVIDE DATA CABLE FROM COMBO UNIT TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. VERIFY COMBO UNIT LOCATION PRIOR TO ROUGH-IN. PROVIDE MATERIALS AND LABOR REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- 5. TWO WAY COMMUNICATION AND EMERGENCY CALL BUTTON BETWEEN CLASSROOM AND ADMIN AREA. PROVIDE CALL BUTTON AND CABLING REQUIRED COMPATIBLE WITH INTERCOM SYSTEM. COORDINATE SYSTEM REQUIREMENTS WITH INTERCOM SYSTEM INSTALLER.
- 6. COUNTER TOP FLIP UP DATA RECEPTACLE. PROVIDE LEVITON MODEL 'PFGF1-MB' OR EQUAL FLIP UP BOX IN MILLWORK AT WALL. PROVIDE PORTS AND CABLING, QUANTITY AS INDICATED, FROM DATA OUTLET TO DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. COORDINATE BOX LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
- 7. NEW DATA RECEPTACLE MOUNTED UNDER DESK. COORDINATE BOX LOCATION AND CABLE ROUTING WITH DESK INSTALLER PRIOR TO ROUGH-IN.
- 8. UTILIZE EXISTING WALL MOUNTED, DUAL CHANNEL RACEWAY TO RUN NEW CABLING TO NEW COMPUTER DESKS. PROVIDE JUNCTION BOX AT EXISTING RACEWAY AND COORDINATE WITH DESK INSTALLER TO RUN DATA CABLING FROM NEW J-BOX TO TO EACH DESK LOCATION AS NEEDED UNDER DESKS.
- 9. CLASSROOM TV DATA AND A/V CONNECTION POINT. PROVIDE JUNCTION BOX AT HEIGHT INDICATED AND ROUTE 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE DATA CABLING; QUANTITY AS INDICATED FROM DATA OUTLET AND FACEPLATE PER SPECIFICATION'S REQUIREMENTS, TO THE DATA RACK INDICATED. SUPPORT WITH D-RING EVERY 36" AS REQUIRED. TERMINATE AND TEST ALL CABLING. RE:CLASSROOM PROJECTOR DETAIL (SIMILAR).
- 10. PROVIDE WIRE BASKET CABLE TRAY WITH FITTINGS, SIZE AS INDICATED, ABOVE THE ACCESSIBLE CEILING. FIELD COORDINATE ROUTING OF THE CABLE TRAY WITH ALL OTHER TRADES TO ENSURE PROPER ACCESS TO THE CABLE TRAY AND OTHER TRADE EQUIPMENT.
- 11. PROVIDE CONDUIT SLEEVES, QUANTITY AND SIZE AS INDICATED. TERMINATE WITH INSULATED THROAT BUSHINGS.
- 12. PROVIDE JUNCTION BOX FOR CARD READER AT +46" AFG AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE CABLING PER SPECIFICATION REQUIREMENTS. REFER TO DOOR ACCESS CONTROL DETAIL.
- 13. STUB (3) 3/4" CONDUITS FROM DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME ON LATCH SIDE AND ONE INTO DOOR FRAME AT MIDDLE HINGES ON EACH SIDE OF DOUBLE DOOR. PROVIDE CABLING TO THE SECURITY AND ACCESS CONTROL HEAD-END EQUIPMENT. VERIFY REQUIREMENTS WITH THE OWNER'S SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
- 14. STUB (1)3/4" CONDUIT FROM THE DOOR FRAME TO ABOVE NEAREST ACCESSIBLE CEILING. STUB ONE CONDUIT FROM TOP OF DOOR FRAME INTO DOOR FRAME AT MIDDLE HINGE.

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	Date	05/11/20				
Revisions	Description	Addendum #1				
	#	F				
	- - - - -	Jetterson Elementary School	Addition and Remodel	600 N. Fillmore Street, Jerome, Idaho		
	DATE: February 24, 2023 LKV PROJECT #: - REVISIONS:					
	DRAWN BY: AN CHECKED BY: KL					
	Design Development DRAWING NO. E-7.5					

PLAN - AREA 'F'

- 1. FIELD COORDINATE DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 2. FUSED MAIN DISCONNECT AS INDICATED. FIELD COORDINATE FUSED DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 3. FUSED DISCONNECT AS INDICATED FOR SEPARATE POWERED EXHAUST CONNECTION. COORDINATE LOCATION AND MOUNTING WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES. CONNECT TO THE LINE SIDE OF THE MAIN DISCONNECT. PROVIDE GUTTER, JUNCTION BOX(ES), WIRE TAPS AS REQUIRED, MAXIMUM LENGTH OF CONDUCTORS SHALL BE 10 FEET. LABEL THE DISCONNECT AS "POWERED EXHAUST DISCONNECT".
- 4. CONNECTION FOR POWERED EXHAUST UNIT. COORDINATE LOCATION AND ROUTING OF CONDUIT WITH MECHANICAL CONTRACTOR.
- 5. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- 6. EXISTING RECEPTACLE NEAR NEW MECHANICAL UNIT. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS FROM EXISTING CONVENIENCE RECEPTACLE TO NEW LOCATION ON/NEAR NEW MECHANICAL UNIT. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- 7. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS AS REQUIRED TO MECHANICAL UNIT DISCONNECT.

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	Date	05/11/2023		
Revisions	Description	Addendum #1		
	#	Æ		
Jefferson Elementary School Addition and Remodel 600 N. Fillmore Street, Jerome, Idaho				
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N. 1 Electrical Roof Plan - Area 'B' Scale: 1/8" = 1'-0"

KEYED NOTES:

- 1. FIELD COORDINATE DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 2. ROUTE TO DISHWASHER HOOD FAN PILOT SWITCH LOCATED IN KITCHEN. RE: ENLARGED KITCHEN PLAN - AREA 'F'.
- CONNECTION FOR PLUMBING CONTROLS VALVES. COORDINATE CONNECTION REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- 4. INTERLOCK WITH KITCHEN HOOD CONTROL PANEL 'HCP'. ROUTE CIRCUIT THROUGH 'HCP' AND PROVIDE ALL CONNECTIONS AND HARDWARE REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH MECHANICAL CONTRACTOR FOR REQUIREMENTS AND EXACT LOCATION. RE: KITCHEN HOOD CONTACTOR CABINET DETAIL.
- 5. FUSED MAIN DISCONNECT AS INDICATED. FIELD COORDINATE FUSED DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 6. FUSED DISCONNECT AS INDICATED FOR SEPARATE POWERED EXHAUST CONNECTION. COORDINATE LOCATION AND MOUNTING WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES. CONNECT TO THE LINE SIDE OF THE MAIN DISCONNECT. PROVIDE GUTTER, JUNCTION BOX(ES), WIRE TAPS AS REQUIRED, MAXIMUM LENGTH OF CONDUCTORS SHALL BE 10 FEET. LABEL THE DISCONNECT AS "POWERED EXHAUST DISCONNECT".
- 7. CONNECTION FOR POWERED EXHAUST UNIT. COORDINATE LOCATION AND ROUTING OF CONDUIT WITH MECHANICAL CONTRACTOR.
- 8. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- 9. EXISTING RECEPTACLE NEAR NEW MECHANICAL UNIT. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS FROM EXISTING CONVENIENCE RECEPTACLE TO NEW LOCATION ON/NEAR NEW MECHANICAL UNIT. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- 10. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS AS REQUIRED TO MECHANICAL UNIT DISCONNECT.
- 11. EXTEND EXISTING CONDUIT AS REQUIRED FROM EXISTING MECHANICAL UNIT TO NEW PANEL AS INDICATED.

(#) SYMBOL USED FOR NOTE CALLOUT.

- 1. FIELD COORDINATE DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 2. FUSED MAIN DISCONNECT AS INDICATED. FIELD COORDINATE FUSED DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 3. FUSED DISCONNECT AS INDICATED FOR SEPARATE POWERED EXHAUST CONNECTION. COORDINATE LOCATION AND MOUNTING WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES. CONNECT TO THE LINE SIDE OF THE MAIN DISCONNECT. PROVIDE GUTTER, JUNCTION BOX(ES), WIRE TAPS AS REQUIRED, MAXIMUM LENGTH OF CONDUCTORS SHALL BE 10 FEET. LABEL THE DISCONNECT AS "POWERED EXHAUST DISCONNECT".
- 4. HEAT TAPE LOCATED ON ROOF. WRAP HEAT TAPE AROUND ROOF DRAIN AND OVERFLOW DRAIN DOWNSPOUT. EXTEND HEAT TAPE 4' DOWN DRAINPIPE. MAKE ALL CONNECTIONS. RE:HEAT TAPE CABLING DETAIL.
- 5. CONNECTION FOR POWERED EXHAUST UNIT. COORDINATE LOCATION AND ROUTING OF CONDUIT WITH MECHANICAL CONTRACTOR.
- 6. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- 7. EXISTING RECEPTACLE NEAR NEW MECHANICAL UNIT. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS FROM EXISTING CONVENIENCE RECEPTACLE TO NEW LOCATION ON/NEAR NEW MECHANICAL UNIT. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- 8. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO MECHANICAL UNIT DISCONNECT.

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- 3. FUSED DISCONNECT AS INDICATED FOR SEPARATE POWERED EXHAUST CONNECTION. COORDINATE LOCATION AND MOUNTING WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES. CONNECT TO THE LINE SIDE OF THE MAIN DISCONNECT. PROVIDE GUTTER, JUNCTION BOX(ES), WIRE TAPS AS REQUIRED, MAXIMUM LENGTH OF CONDUCTORS SHALL BE 10 FEET. LABEL THE DISCONNECT AS "POWERED EXHAUST DISCONNECT".
- 4. CONNECTION FOR POWERED EXHAUST UNIT. COORDINATE LOCATION AND ROUTING OF CONDUIT WITH MECHANICAL CONTRACTOR.
- 5. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- EXISTING RECEPTACLE NEAR NEW MECHANICAL UNIT. EXTEND EXISTING 6. CIRCUIT CONDUIT AND CONDUCTORS FROM EXISTING CONVENIENCE RECEPTACLE TO NEW LOCATION ON/NEAR NEW MECHANICAL UNIT. MOUNT RECEPTACLE ON RIGID CONDUIT 12" ABOVE ROOF DECK OR ON MECHANICAL UNIT WHERE APPLICABLE
- 7. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO MECHANICAL UNIT DISCONNECT.
- PROVIDE AND INSTALL HEAT TAPE AROUND BASE MECHANICAL UNIT. WRAP 8. AROUND THE BASE OF THE UNIT. UTILIZE 12W/FT REYCHEM ICESTOP HEAT TAPE OR EQUAL. PROVIDE AND INSTALL 1 PENTAIR AMC-1A TEMPERATURE CONTROL UNIT PER CIRCUIT. COORDINATE THE INSTALLATION WITH THE MECHANICAL CONTRACTOR. RE: HEAT TAPE CABLING DETAIL (SIMILAR).

Key Plan					
Area 'A'	Area 'B'	Area 'C'			
Area 'D'	Area 'F'	Area E			
North Not to Scale					

- 1. FIELD COORDINATE DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 2. FUSED MAIN DISCONNECT AS INDICATED. FIELD COORDINATE FUSED DISCONNECT AND MECHANICAL UNIT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.
- 3. FUSED DISCONNECT AS INDICATED FOR SEPARATE POWERED EXHAUST CONNECTION. COORDINATE LOCATION AND MOUNTING WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES. CONNECT TO THE LINE SIDE OF THE MAIN DISCONNECT. PROVIDE GUTTER, JUNCTION BOX(ES), WIRE TAPS AS REQUIRED, MAXIMUM LENGTH OF CONDUCTORS SHALL BE 10 FEET. LABEL THE DISCONNECT AS "POWERED EXHAUST DISCONNECT".
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- 7. EXTEND EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO MECHANICAL UNIT DISCONNECT.

Key Plan		
Area 'A'	Area 'B'	Area 'C'
Area 'D'	Area 'F'	Area 'E'
North Not to Scale		

	A R 2400 301SE WWW 208.33	2 C E RIV 5, IDA LKVA 36.344	HITEC ERWALK DRIVE HO 83706 RCHITECTS.CC 43	T S T S
	EN 2 OVEE Pro	MU IGIN 34 S. Y. Boi 2 34 S. Y. Boi 2 2 34 S. Y. Boi 2 2 34 S. Y. Boi 2 2 34 S. Y. 2 34 S. Y. 34 S. Y. 35 S. Y. 35 S. Y. 36 S. Y. 36 S. Y. 37 S. Y.	USGROV NEERING, Whisperwood See, Idaho 83709 208.384.0585 musgrovepa.cc EARS OF EXCEI D. 22-104	E P.A. Way
/	And re		10389 8/24/2023 % E OF 10 LECHTEN	AND
	Date	05/11/2023		
Revisions	Description	Addendum #1		
	#	Æ		
	- - - -	Jetterson Elementary School	Addition and Remodel	600 N. Fillmore Street, Jerome, Idaho
[[DATE: LKV P REVIS	: Fel ROJE GIONS	oruary 24, 2023 CT #: - :	1
(DRAW CHEC	'N BY KED I	: AN 3Y: KL	
[Desig	n Dev	elopment	_
	DRAW		TRICAL ROU	5 DF

			E	LECT	RICAL	LOAD	SUMM	ARY (N	ISB)						
			CONNECTED LOAD (KVA)									TOTAL CONNECTED LOAD		TOTAL DEMAND LOAD	
FEEDER	VOLTAGE	LIGHTING	RECEP	MOTORS	KITCHEN	HVAC	ELEC HEAT	WATER HEAT	MISC	EXISTING AT 125% PEAK	KVA	AMPS	KVA	AMPS	
(E)MDP	120/208Y	0.0	13.7	0.0	0.0	60.7	8.4	0.0	61.8	251.3	395.9	1099.7	394.1	1094.6	
PANEL K	120/208Y	0.0	0.0	0.0	63.1	8.5	0.0	0.0	12.7	0.0	84.2	234.0	62.1	172.6	
PANEL M	120/208Y	0.0	0.0	0.0	0.0	82.7	4.6	0.0	16.7	0.0	103.9	288.7	103.9	288.7	
PANEL N	120/208Y	4.9	13.0	3.2	0.0	0.0	0.0	0.0	1.6	0.0	22.8	63.3	21.3	59.1	
	120/208Y	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	20.8	7.5	20.8	
	120/208Y										0.0	0.0	0.0	0.0	
TOTAL	120/208Y	12.4	26.7	3.2	63.1	151.8	13.0	0.0	92.8	251.3	<mark>614</mark> .3	1706.5	587.0	1630.6	

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			EXIS	TING N	iain di	STRIB	UTION	BOAR	d 'MDF	יכ				
FEEDER				1	TOTAL CONNECTED LOAD		TOTAL DEMAND LOAD							
	VOLIAGE	LIGHTING	RECEP	MOTORS	KITCHEN	HVAC	ELEC HEAT	WATER HEAT	MISC	EXIST	KVA	AMPS	KVA	AMPS
(E)PANEL 'G'	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'C/H'	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'CH'	120/208Y	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	18.0	50.0	18.0	50.0
(E)IRRIGATION PUMP	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'D'	120/208Y										0.0	0.0	0.0	0.0
(N)PANEL 'E'	120/208Y	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	0.0	49.1	136.3	49.1	136.3
(N)PANEL 'F'	120/208Y	0.0	12.2	0.0	0.0	<mark>8.1</mark>	8.4	0.0	0.4	0.0	29.1	80.8	28.0	77.7
(E)PANEL 'B'	120/208Y										0.0	0.0	0.0	0.0
(N)PANEL 'H'	120/208Y	0.0	1.4	0.0	0.0	25.0	0.0	0.0	11.2	0.0	37.6	104.5	37.6	104.5
(E)PANEL 'C'	120/208Y										0.0	0.0	0.0	0.0
(E)BOILER PANEL	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'J'	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'LC'	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'L'	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'M1'	120/208Y										0.0	0.0	0.0	0.0
(E)PANEL 'M2'	120/208Y	0.0	0.0	0.0	0.0	9.7	0.0	0.0	1.2	0.0	10.9	30.3	10.9	30.3
	120/208Y										0.0	0.0	0.0	0.0
SUB TOTAL		0.0	13.7	0.0	0.0	60.7	8.4	0.0	61.8	0.0	144.7	401.8	143.5	398.7

GENERAL NOTES:

- A. CONDUIT, CONDUCTORS AND AIC CALCULATIONS FOR ALL SERVICE, PANEL AND EQUIPMENT FEEDERS INDICATED ON THE ONE-LINE HAVE BEEN SIZED BASED ON COPPER. THE CONTRACTOR MAY USE COMPRESSED ALUMINUM CONDUCTORS FOR THESE FEEDERS PROVIDING THE CONDUIT, CONDUCTOR SIZES AND AIC CALCULATIONS ARE ADJUSTED AS REQUIRED TO MEET ALL NATIONAL ELECTRICAL CODE REQUIREMENTS.
- B. FURNISH AND INSTALL ENGRAVED LABEL ON THE FRONT OF ALL ELECTRICAL EQUIPMENT NOTING THE AVAILABLE FAULT CURRENT VALUE SHOWN.

KEYED NOTES:

- DISCONNECT AND REMOVE BONDING JUMPER BETWEEN THE NEUTRAL AND GROUND BUS AS REQUIRED. COORDINATE WITH EXISTING CONDITIONS.
- 2. EXTEND AND RECONNECT THE EXISTING GROUNDING ELECTRODE SYSTEM TO THE NEW SERVICE AS REQUIRED. COORDINATE WITH EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
- 3. DISCONNECT AND REMOVE EXISTING PANELS 'H1' AND 'H2'. INTERCEPT THE EXISTING PANEL 'H' FEEDERS AT THE FEEDER PULLBOX LOCATED IN ELECTRICAL ROOM 145A AND EXTEND TO NEW PANEL 'H'. EXTEND ALL EXISTING PANEL 'H' AND 'H1' BRANCH CIRCUITS THAT ARE TO REMAIN TO NEW PANEL 'H'. EXISTING CONDUIT, BOXES, AND CONDUCTORS MAY BE REUSED WHERE APPLICABLE. PROVIDE NEW CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED. RE: OVERALL PLAN FOR NEW PANEL LOCATION.
- 4. DISCONNECT AND REMOVE EXISTING PANELS 'E' AND 'F'. INTERCEPT THE EXISTING PANEL 'E' FEEDERS AT THE FEEDER PULLBOX LOCATED IN ELECTRICAL ROOM 145A AND EXTEND TO NEW PANEL 'E'. EXTEND ALL EXISTING PANEL 'E' BRANCH CIRCUITS THAT ARE TO REMAIN TO NEW PANEL 'E'. EXISTING CONDUIT, BOXES, AND CONDUCTORS MAY BE REUSED WHERE APPLICABLE. PROVIDE NEW CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED. RE: OVERALL PLAN FOR NEW PANEL LOCATION.
- 5. DISCONNECT AND REMOVE EXISTING CONDUIT AND FEEDERS BETWEEN THE EXISTING PANELS.
- 6. DISCONNECT AND REMOVE EXISTING PANEL 'CH' LOCATED IN THE STORAGE ROOM UNDER NEW MULTI-PURPOSE CLASSROOM 147. REMOVE ALL CONDUIT, CONDUCTORS, AND JUNCTION BOXES BACK TO EXISTING DISTRIBUTION PANEL 'MDP' AND MARK BREAKER AS SPARE. EXTEND ALL EXISTING TO REMAIN BRANCH CIRCUITS TO PANEL 'H'. PROVIDE NEW CONDUIT, BOXES, AND CONDUCTORS AS REQUIRED. RE: OVERALL PLAN FOR NEW PANEL LOCATION.

	2400 BOISE WWW 208.3	E RIV E RIV E, IDA .LKVA 36.344	HITEC ERWALK DRIVE HO 83706 ARCHITECTS.COM 43	TS
	EN 2 OVEE Pro	MUL IGIN 34 S. Y. Boi 2 2 34 O YI	USGROVE NEERING, H Whisperwood W se, Idaho 83709 208.384.0585 .musgrovepa.com EARS OF EXCELL 0. 22-104	P.A. ay
C /	The second		10389 8/24/2023 TE OF UNIX	
	Date	05/11/2023		
Revisions	Description	Addendum #1		
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		Jetterson Elementary School	Addition and Remodel	600 N. Fillmore Street, Jerome, Idaho
	DATE: LKV P REVIS	: Fel ROJE SIONS	bruary 24, 2023 CT #: - : · ΔΝ	
	CHEC	N BY KED I	. AN 3Y: KL elonment	
	DRAW		-9.(LINE DIAGRA) M

- DESIGN BASES ON RAYCHEM ICESTOP HEATING CABLES. PROVIDE ALL SYSTEM 1. COMPONENTS NECESSARY FOR A COMPLETE, OPERABLE SYSTEM INCLUDING, BUT NOT LIMITED TO CABLES, CLAMPS, END SEALS AND POWER CONNECTIONS. COORDINATE WITH CIRCUIT VOLTAGE. ENGINEER APPROVED EQUALS ALLOWED.
- 2. SERVING CIRCUIT BREAKER(S) FOR HEAT TRACE LOADS SHALL BE 30mA GFEP.
- 3. PROVIDE AND INSTALL ONE PENTAIR DIGITRACE #AMC-1A OR EQUAL THERMOSTAT CONTROL FOR EACH CIRCUIT.

HEAT TAPE CABLING DETAIL NTS

LIGHT SWITCH ENCLOSURE DETAIL NTS

1. PROVIDE FRAMING AS REQUIRED.

OCCUPANCY SENSORS DETAIL

(5)

DETAIL KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

RECOMMENDATIONS.

INDICATED ON PLANS.

NTS

COMPLETE INSTALLATION.

STANDARD MOUNTING HEIGHTS NTS

NOTES: 1. CONFIRM FIXTURE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.

2. DETAIL IS TO PROVIDE GENERAL INSTALLATION REQUIREMENTS ONLY, ALL REQUIRED MATERIALS MAY NOT BE INDICATED. PROVIDE ALL MATERIALS REQUIRED FOR A FULLY OPERATIONAL AND CODE COMPLIANT INSTALLATION.

GYM LIGHT FIXTURE DETAIL NTS

1	LIGHT
	0 \

ARCHITECI 2400 E RIVERWALK DRIVE BOISE, IDAHO 83706 WWW.LKVARCHITECTS.COM 208.336.3443 MUSGROVE ENGINEERING, P.A. 234 S. Whisperwood Way Boise, Idaho 83709 208.384.0585 www.musgrovepa.com OVER 40 YEARS OF EXCELLENCE Project No. 22-104 GNAL 10389 8/24/2023 Date 11/20 05/ School ldaho n Elementary S and Remodel ome, Stre Jefferson Addition a G ō ΪĒ Ż 600 DATE: February 24, 2023 LKV PROJECT #: -REVISIONS: DRAWN BY: AN CHECKED BY: KL Design Development DRAWING NO. E-9.1 ELECTRICAL DETAILS

TVDE	DESCRIPTION	МТС		WATTE			NOTES
TIPE				WATIS			NOTES
DI 1				20.2			1
BLI		SURFACE	3000 LOWENS	20.5		INE TALOX	1
		CHAIN					
BI 2				20.3			1
DLZ	STAGE LIGHTING	HUNG	1000K	20.5		INIE IALOX	•
			4000K				
BI 3		SURFACE		20.3			1
DLJ		OUNIACE	4000K	20.5	(PROVIDE WITH 'E10WI CP-SPD' OPTION FOR EMERGENCY FIXTURES)	INIE TAEGA	
		45	40001			COMPASS	
FX1	GREEN LETTERING WITH CADMILIM BATTERY		LED	0.7	LOM-S-W 3-G-MV/OLT-FLN-SD		1
		DRAWINGS		0.7			
	RECESSED 1X4 FLANGED LED WITH ACRYLIC	CEILING	LED				
FI 1		RECESSED	3078 LUMENS	27	EPANI -1X4-3000I M-80CRI-40K-MIN10-7T-MV/OI T-E10WCP-DGA14	METALLIX	1
		RECECCED	4000K	21	(PROVIDE WITH 'E10WCP' OPTION FOR EMERGENCY FIXTURES)		
	RECESSED 4FT FLANED LINEAR LED	CEILING			PEERLESS NO		
FI 2		RECESSED	3200 LUMENS	34	OPRS-FLJ OP-4FT-80CRL40K-800LME-MIN1-7T-120-SCT-C041		1
1 62		RECEOUED	4000K	54			
		RECESSED					
FI 3	DRYWALL FLANGE	CEILING		16.31		METALLIX	13
T LJ		CEILING		10.51		INIE TAEGA	1,5
CI 1		GRID		317			1
GLI		GRID	4000 LOWENS	51.7		INE TALOA	
			4000K		(FROVIDE WITH EL14LSD OF TION FOR EMERGENCT FIXTORES)		
CL 2		GRID		23.6			1
GLZ		GRID	1000K	23.0		INE IALOA	
			4000K				
CI 3		GRID		38			1
GLJ	BATTERT FACK AND SELF DIAGNOSTICS	GRID	4000 LOWENS	50		INE TALOA	
	BATTERY DACK AND SELE DIAGNOSTICS			105			1
TIDT	BATTERT FACE AND SELF DIAGNOSTICS.		1000 LOWENS	105		INIE IALOX	
RI 1		RECESSED		10.4	LITTIONIA NO. L DN6-40/10-1 064R-LSS-MVOLT-G71		1
		RECESSED	1000 LOLININS	10.4			
	LED ROUND RECESSED 6" APERATURE						
RI 2		RECESSED		22.5	$\frac{1}{100} \frac{1}{100} \frac{1}$	METALLIX	1
INLZ		RECEOUED	4000K	22.5	(PROVIDE WITH 'ELSD' OPTION FOR EMERGENCY FIXTURES)	INIE TAEGA	
SI 1		SURFACE		15.7	BI T4-201 - A DP-E71-I P840-MSDPDT7A DCX-1X4SMKSH	METALLIX	1
OLT	INTEGRAL OCCUPANCY ANDN PHOTO SENSORS	OUNTAOL	4000K	10.1	(PROVIDE WITH 'FLI14L' OPTION FOR EMERGENCY FIXTURES)		-
		CEILING					
SI 2	LED ROUND SURFACE 7" APERATURE	SURFACE	1000 LUMENS	13	JSF-7IN 10LM-40K-90CRI-MVOLT ZT-WH-FL		1
OLE		CONTRACE	4000K	10			
	SURFACE MOUNTED 2X4 LED TROFFER WITH	CEILING	LED		LITHONIA NO		
SI 3	SURFACE MOUNT ENCLOSURE	SURFACE	3000 LUMENS	38	2BLT4-30I-ADP-G71-LP840-2X4SMKSH	METALUX	1
			4000K		(PROVIDE WITH 'E10WCP' OPTION FOR EMERGENCY FIXTURES)		
	12' TRACK LIGHTING 2-CIRCUIT 2-NEAUTRALS (6)	SUSPENDED	LED			INTENSE LIGHTING	
TL1	DIMMABLE LED FIXTURES. (3) COLOR FILTERS.	BOTTOM	1023 LUMENS	15W PER	TRACK: TEK412-BL FIXTURE HEAD: T254L-TEK-G2-40K-80CRI-PDIM-NFL-BL		1.2
	24-DEGREE FOCAL BEAM, BLACK FINISH	OF STRUCTURE	4000K	HEAD			
	4' LED WALL MOUNTED FIXTURE	WALL MOUNTED	LED		LITHONIA NO.	METALUX	
WB1		ABOVE	2000 LUMENS	18.7	WL4-20L-EZ1-LP840	LITECONTROL	1
		VANITY	4000K				
	2' LED WALL MOUNTED FIXTURE	WALL MOUNTED	LED		LITHONIA NO.	METALUX	
WB2		ABOVE	1800 LUMENS	12.2	WL2-18L-EZ1-LP840	LITECONTROL	1
		VANITY	400K				
	LED WALL PACK	WALL	LED		LITHONIA NO.	MCGRAW EDISON	
WP1		MOUNTED	2.244 LUMENS	20	WSQ-P1-40K-SSR3-MVOLT-PE120-DDBXD	HUBBELL	1
		+10'-6' UNO	4000K		PROVIDE WITH 'E4WH' OPTION FOR EMERGENCY FIXTURES)		
IGHTING FIX	TURE SCHEDULE NOTES:						
	1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED P	RIOR TO BID DATE	BY THE GREATE	R OF: 7 BU	SINESS DAYS OR THE TIME PERIOD SPECIFIED BY		
	DIVISION 1 SPECIFICATIONS. AND IF DEFMED FOUR	L BY THE ENGINEE	R. THE CONTRA	CTOR IS RE	SPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES		
	MEET OR EXCEED THE SPECIFICATIONS OF THE FIX						
	2 PROVIDE WITH PHASED DIMMING PACK CAPABI F C	OF DIMMING 3-WIRF	LINE VOLTAGE	BALLASTS	DOWN TO 1% WITH OUT FLICKER SUCH AS nLight 'nSP5 PCD' OR FOUAL		
	REFER TO TRACK HEAD COMPATIBLE DIMMER LIST	TO PROVIDE RECO	MMENDED DIM	MER WITH O	UT FLICKER DOWN TO 1%		

3 PROVIDE WITH ALL ASSESSORIES REQUIRED TO ESTABLISH TUNABLE CONTROLS.

LIGHTING CONTROL ZONE SCHEDULE ZONE DESCRIPTION CKTS EXTERIOR BUILDING LIGHTS, NEW GYM N-2 1 CORRIDOR AND FOYER LIGHTING, NEW GYM N-1 GYMNASIUM LIGHTING GYMNASIUM LIGHTING 4 SPARE SPARE SPARE SPARE 8 NOTES: 1. PROVIDE UNSWITCHED LEG TO EGRESS FIXTURES. 2. PROVIDE TIMECLOCK PROGRAMMING AS REQUIRED COORDINATE TIME SCHEDULE WITH OWNER.

VOLTAGE: 208 / 120 V 3 PH 4 WIRE AMPERE RATING: BASIS OF DESIGN PANEL TYPE: PANEL BOARD NEM A ENCLOSURE TYPE: CKT NOTES: REMARKS: 1. GFCI FOR PERSONNEL PROTECTION (5mA) 6. LOCKOUT HASP 2 GFEP FOR EQUIPMENT PROTECTION (30mA) 3. RED HANDLE, LOCKABLE BREAKER 4. SHUNT TRIP BREAKER CKT LOAD LOAD AMPS/ LOAD (NOTE VA AMPS POLES DESCRIPTION В A 3936 32.8 40 3 4851.2 1-DISHWASHER 3936 32.8 ** 3936 32.8 ** 4851.2 4000 33.3 50 3 4000 K1.2-BOOSTER HEATER (EXTERNAL) 4000 33.3 ** * 4000 33.3 ** * 6000 4 1920 16.0 20 4 * K9-CONVECTION OV EN (GAS DBL STACK) 2640 (9-SHUNT TRIP 4 K9-CONVECTION OVEN (GAS DBL STACK) 4 1920 16.0 20 1 4 4 1920 16.0 20 1 800 (9-SHUNT TRIP 800 4 1140 9.5 20 K10-30 QUART MIXER 1940 K11-60 QUART MIXER 1200 (16a-WALK-IN COOLER (FAN COIL) 17a-WALK-IN FREEZER (FAN COIL) 850 50 2.4 ** 2880 24.0 30 2880 24.0 ** 2880 24.0 ** K16-WALK-IN COOLER (CONDENSER) 3480 2880 2800 23.3 30 7-WALK-IN FREEZER (CONDENSER) 4228 4228 23.3 2800 23.3 2 900 7.5 20 WALK-IN COOLER/FREEAER HEAT TAPE 1452 POS MACHINES, KITCHEN/CAFETERIA 720 6.0 20 1272 53 MILK COOLER, CAFETERIA 720 6.0 20 540 4.5 20 1 540 4.5 20 1 540 4.5 20 1 900 7.5 20 1 540 4.5 20 1 900 7.5 20 1 720 6.0 20 1 1200 10.0 20 1 180 1.5 20 1 55 MOTORIZED ROLLUP DOOR 1092 MOTORIZED ROLLUP DOOR 1092 59 REC-KITCHEN 152/DISHROOM 155 REC-KITCHEN 152/DISHROOM 155 1413 REC-KITCHEN 152/JAN. 151/STOR. 154 1320 REC-MICROWAVE REC-KITCHEN 152 780 69 REC-KITCHEN 152 360 3.0 20 360 71 WH-1, JANITOR 151 360 3.0 20 73 REC-OFFICE 153 900 7.5 20 900 0.0 20 0.0 20 PARE 0.0 PA RI 0 0.0 0.0 20 83 SPAR 28756.2 26793.2 29358.0 VA 239.6 223.3 244.7 AMPS PANEL: H PROJECT: JEFFERSON ELEMENTARY SCHOOL ADDIT 3 PH 4 WIRE AMPERE RATING VOLTAGE: 208 / 120 V BASIS OF DESIGN PANEL TYPE: PANEL BOARD NEMA ENCLOSU CKT NOTES: REMARKS: 1. GFCI FOR PERSONNEL PROTECTION (5mA) NEW PANEL WITH MAIN LUG ONLY.

2 GFEP FOR EQUIPMENT PROTECTION (30mA)

PANEL: K

3. RED HANDLE, LOCKABLE BREAKER	

		CKT	LOAD	LOAD	AMPS	/		LOAD (VA)		AMPS	5/	LOAD	LOAD	CKT		
CKT	DESCRIPTION	NOTE	VA	AMPS	POLES		А	В	С	POLE	S	AMPS	VA	NOTE	DESCRIPTION	CKT
1	RTU-1.4 (KITCHEN)		4680	39.0	50	3	7908			40	3	26.9	3228		(E)RTU-1.3 W/ (N) POWER EXHAUST	2
3	***		4680	39.0	**	*		7908		**	*	26.9	3228		***	4
5	***		4680	39.0	**	*			7908	**	*	26.9	3228		***	6
7	EF-1.8, ROOF		506	4.2	20	1	1226			20	1	6.0	720		REC-RR 139/141	8
9	EF-1.9, ROOF		667	5.6	20	1		1027		20	1	3.0	360		REC-IT SERVER 150	10
11	EF-1.4/EF-1.12, TOILET 144/FACULTY 145		100	0.8	20	1			460	20	1	3.0	360		REC-IT SERVER 150	12
13	CONDENSATE (DFC 1.1)		60	0.5	20	1	420			20	1	3.0	360		REC-IT SERVER 150	14
15	REC-ROOF		360	3.0	20	1		720		20	1	3.0	360		REC-IT SERVER 150	16
17	PLUMBING XFORMER, RR 139/141	1	180	1.5	20	1			180	20	1	0.0			REC-CLASSROOM 168	18
19	LTS-KITCHEN152, DISH 155, FACULTY 145		1050	8.8	25	1	1050			20	1	0.0			REC-CLASSROOM 168	20
21	REC-CLASSROOM 134			0.0	20	1		0		20	1	0.0			REC-CLASSROOM 168	22
23	REC-CLASSROOM 134			0.0	20	1			0	20	1	0.0			REC-CLASSROOM 147	24
25	REC-CLASSROOM 136			0.0	20	1	0			20	1	0.0			REC-CLASSROOM 147	26
27	REC-CLASSROOM 136			0.0	20	1		720		20	1	6.0	720	1	REC-VENDING MACHINE, FACULTY 145	28
29	REC-CLASSROOM 133			0.0	20	1			720	20	1	6.0	720	1	REC-VENDING MACHINE, FACULTY 145	30
31	REC-CLASSROOM 133			0.0	20	1	720			20	1	6.0	720	1	REC-FRIDGE, FACULTY 145	32
33	REC-CLASSROOM 135			0.0	20	1		720		20	1	6.0	720		REC-ICE MAKER, FACULTY 145	34
35	REC-CLASSROOM 135			0.0	20	1			900	20	1	7.5	900		REC-DISHWASHER, FACULTY 145	36
37	REC-CLASSROOM 137			0.0	20	1	1200			20	1	10.0	1200		REC-DISPOSAL, FACULTY 145	38
39	REC-CLASSROOM 137			0.0	20	1		540		20	1	4.5	540		REC-COUNTER, FACULTY 145	40
41	DATA RACK, IT SERVER 150		2080	20.0	30	2			2980	20	1	7.5	900		COPIER, FACULTY 145	42
43	***		2080	20.0	**	*	2980			20	1	7.5	900		REC-COUNTER/ISLAND, FACULTY 145	44
45	SPARE			0.0	20	1		540		20	1	4.5	540		REC-FACULTY 145	46
47	SPARE			0.0	20	1		, L	1000	20	2	9.6	1000		EH-1.10, VEST. 143	48
49	SPARE			0.0	20	1	1000			**	*	9.6	1000		***	50
51	SPARE			0.0	20	1		360		20	1	3.0	360		A CCESS CONTROL, V EST 143/164	52
53	SPARE			0.0	20	1		, L	0	20	1	0.0			SPARE	54
55	SPARE			0.0	20	1	0			20	1	0.0			SPARE	56
57	SPARE			0.0	20	1		0		20	1	0.0			SPARE	58
59	SPARE			0.0	20	1	105010	40505.0	0	20	1	0.0			SPARE	60
							16504.0	12535.0	14148.0	VA				12107		
							137.5	104.5	117.9	AIVIPS)			4310/	IUIAL VA	

PROJE	CT: JEFF	ERSON		ARY SCHOOL ADDITIC	ON AND REMOD	EL	
3	PH	4	WIRE	AMPERE RATING:	400A	WITH	400A

MLO MOUNTING: FLUSH PANEL AIC RATING: 10000 AIC TWO SECTION BOARD. PROVIDE SECTION 1 WITH FEED THROUGH LUGS.

MAINTAIN SPECIFIED CONDUIT AND FEEDER SIZE FROM SECTION 1 TO SECTON 2

VA)		AMF	s/	LOAD	LOAD	CKT		
	С	POL	ES	AMPS	VA	NOTE	DESCRIPTION	CKT
		20	3	10.6	915		K3-DISPOSAL	2
2		**	*	10.6	915		***	4
	5936	20	2	9.6	2000	4	K5-HOT FOOD CABINET	6
		**	*			4	K5-SHUNT TRIP	8
)		20	2	9.6	2000	4	K5-HOT FOOD CABINET	10
	4000	**	*			4	K5-SHUNT TRIP	12
		20	1	<mark>6.0</mark>	720		K6-REACH-IN FRIDGE	14
		20	2	7.7	800		K7-2 WELL STEAM DROP-IN	16
	2720	**	*	7.7	800		***	18
		20	1	6.7	800		K7-2 WELL STEAM DROP-IN	20
)		20	1	6.7	800		***	22
	1920	20	1	6.0	720		K8-ICE MAKER	24
		20	2	16.0	1920	4	K18-COMBIOVEN (GAS SINGLE STACK)	26
)		**	*			4	K18-SHUNT TRIP	28
	2420	20	2	16.0	1920	4	K18-COMBIOVEN (GAS SINGLE STACK)	30
		**	*			4	K18-SHUNT TRIP	32
		20	2	5.0	600	4	K19-STEAM KETTLE (GAS)	34
	250	**	*			4	K19 - SHUNT TRIP	36
		20	2	5.0	600	4	K19-STEAM KETTLE (GAS)	38
)		**	*			4	K19 - SHUNT TRIP	40
	3600	20	1	<mark>6.0</mark>	720		K26-FOOD SLICER	42
		20	3	11.9	1428		MAU-1.1	<mark>44</mark>
3		**	*	11.9	1428		***	46
	4228	**	*	11.9	1428		***	48
		20	1	4.6	552		EF-1.1 (H-1.1)	50
2		20	1	4.6	552		***	52
	1272	20	1	4.6	552		***	54
		20	1	4.6	552		EF-1.2 (H-1.2)	56
2		20	1	4.6	552		***	58
	1452	20	1	4.6	552		***	60
		20	1	7.3	873		EF-1.3	62
)		20	1	<mark>5.0</mark>	600		HOOD CONTROL PANEL 'HCP' & HOOD LTS	64
	1200	20	1	0.0			SPARE	66
		20	1	<mark>5.0</mark>	600		GROUND FAULT RELAY CABINET 'GFR'	68
		20	1	0.0			SPARE	70
	360	20	1	0.0			SPARE	72
		20	1	0.0			SPARE	74
		20	1	0.0			SPARE	76
	0	20	1	0.0			SPARE	<mark>78</mark>
		20	1	0.0			SPARE	80
		20	1	0.0			SPARE	82
	0	20	1	0.0			SPARE	84

84907 TOTAL VA

TION	AND REMODE	L					
G:	200A	WITH	200A	MLO	MOUNTING	: SURFACE	
IRE T	YPE	1			PANEL AIC RATING:	10000 AIC	

EXTEND CONDUITS AND CONDUCTORS FROM DEMOLISHED PANELS 'H' AND 'H1' TO NEW PANEL 'H' LOCATION.

ARCHITEC 2400 E RIVERWALK DRIVE BOISE, IDAHO 83706 WWW.LKVARCHITECTS.COM 208.336.3443	TS
CVER 40 YEARS OF EXCELLE Project No. 22-104	A. AY
Date 05/11/2023	
Revisions Description Addendum #1	
Jefferson Elementary School Addition and Remodel	600 N. Fillmore Street, Jerome, Idaho
DATE: February 24, 2023 LKV PROJECT #: - REVISIONS: DRAWN BY: AN	
CHECKED BY: KL	
DRAWING NO. E-10. ELECTRICAL SCHEDU	O LES

	PANEL: F	PROJE	CT: JEFF	ERSON E	ELEMENTA	ARY SCH		ON AND F	REMODEL	-						PANEL: M	PROJE	ECT: JEFF	ERSON E	LEMENTA	RY SCHOOL	ADDITION A	AND REM ODE	1					
	VOLTAGE: 208 / 120 V			4	WIRE		RE RATING:	200	0A		200A	MLO	DAN	MOUNTING: SURFACE		VOLTAGE: 208 / 120 V	3	PH	4	WIRE			400A	WITH	400A	MLO	DAN	MOUNTING: SURFACE	
	CKT NOTES:	PANEL	BUARD			REMA	RKS:	ETTPE:		1				LAIC RATING: 10000 AIC		CKT NOTES:	PANEL	BUARD			REMARKS	LUSURE IT	PE	I			PAN	LAIC RATING: TOUGO AIC	
	1. GFCI FOR PERSONNEL PROTECTION (5mA)															1. GFCI FOR PERSONNEL PROTECTION (5mA)					SINGLE SE	CTION 60CKT	T PA NELBOA	RD					
	2 GFEP FOR EQUIPMENT PROTECTION (30mA) 3 RED HANDLE LOCKABLE BREAKER															2 GFEP FOR EQUIPMENT PROTECTION (30mA) 3 RED HANDLE LOCKABLE BREAKER													
																4. LOCKOUT HASP													
		CKT	LOAD	LOAD	AMPS/		LOAD	(VA)		AMPS/		LOAD	CKT		OVT		CKT	LOAD		AMPS/		LOAD (VA)	AMPS/	LOAD		CKT	DESCRIPTION	
	1 EF-1.5, FIRE RISER 180	NOTE	36.2	0.3	20 1	1 1036	.2		<u> </u>	20 2	9.6	1000	NOTE	EH-1.3, NEW MECH/RISER RM 180	2	1 RTU-1.6. AREA C (STAGE)	NOTE	4308	35.9	50 S	A 5308	В	C	20	2 9.6	1000	NOTE	DESCRIPTION EH-1.2. VEST 182	2
	3 HEAT TAPE, ROOF (DHP-1.1)	2	360	3.0	20 1	1	136	60		** *	9.6	1000		***	4	3 ***		4308	35.9	**	*	5308]	**	* 9.6	1000		***	4
	5 REC-ROOF 7 CONDENSATE DEC1 1/1 3		180 180	1.5	20 1	1 205	>		2052	25 2	18.0	1872		DHP-1.2, ROOF (PREP ROOM 179)	6	5 *** 7 RTIL18 AREA R		4308	35.9 35.9	** 50 3	* 5308	Т	5308	20	2 9.6	1000		EH-1.1, RAMP 190	6
	9 PLUMBING XFORMER, RR 139/141	1	180	1.5	20 1	1 200.	280	0	ŀ	20 1	0.8	1002		ERV-1.1	10	9 ***		4308	35.9	**	*	4560	7	20	1 2.1	252		EF-1.6, ROOF	10
	11 REC-IT RACK, STOR 176		360	3.0	20 1	1			360	20 1	0.0			REC-CLASSROOM 174	12	11 ***		4308	35.9	**	*	7	4308	20	1 0.0			SPARE	12
	13 REC-RISER, 180		180	6.0 1.5	20 1	1 720	180	0	ŀ	20 1	0.0			REC-CLASSROOM 174 REC-CLASSROOM 172	14	13 RTU-1.7A, AREA C (GY M) 15 ***		8040 8040	67.0 67.0	**	3 9420 *	9420		20	3 11.5 * 11.5	1380		POWER EXHAUST (RTU-1.7A), AREA C (GY M)) 14 16
	17 DRY ER, PREP ROOM		2496	24.0	30 2	2			2496	20 1	0.0			REC-CLASSROOM 172	18	17 ***		8040	67.0	**	*	-	9420	**	* 11.5	1380		***	18
	19 *** 21 REC-CLASSROOM 196		2496	24.0	20 1	* 249 1	5 108	10		20 1	0.0			REC-CLASSROOM 173	20	19 RTU-1.7B, AREA C (GY M)		8040	67.0	80 3 **	3 9420 *	9420	Ъ	20	3 11.5	1380		POWER EXHAUST (RTU-1.7B), AREA C (GYM)) 20
	23 REC-CLASSROOM 196		1080	9.0	20 1	1			1080	20 1	0.0			REC-CLASSROOM 171	24	23 ***		8040	67.0	**	*	5420	9420	**	* 11.5	1380		***	24
	25 REC-CLASSROOM 198		1080	9.0	20 1	1 108)	0		20 1	0.0			REC-CLASSROOM 171	26	25 DSF-1/DSF-2, GYM		350	2.9	20	856	4500		20	1 4.2	506		EF-1.10	26
	27 REC-CLASSROOM 196 29 REC-CLASSROOM 200		1080	9.0	20 1	1	108	50	1080	20 1	0.0			REC-CLASSROOM 169	30	27 EH-1.4, VES1. 164 29 ***		1000	9.6 9.6	20 2	*	1506	2400	20	1 4.2 1 11.7	1400	2	ROOF DRAIN HEAT TAPE	30
	31 REC-CLASSROOM 200		1080	9.0	20 1	1 108)			20 1	0.0			REC-CLASSROOM 167	32	31 EH-1.5, HALL ENTRY		1000	9.6	20 2	2 2050			20	1 8.8	1050	2	ROOF DRAIN HEAT TAPE	32
	33 REC-CLASSROOM 170 35 REC-CLASSROOM 170	_	1080 1080	9.0 9.0	20 1 20 1	1	108	30	2640	20 1 20 2	0.0	1560		REC-CLASSROOM 167 DFC 1.3. DATA RACK. STOR: 176	34 36	33 *** 35 SPARE		1000	9.6 0.0	** 20	*	1700	360	20	1 5.8 1 3.0	700 360	2	ROOF DRAIN HEAT TAPE	34
	37 REC-CLASSROOM 168		1080	9.0	20 1	1 264)			** *	15.0	1560		***	38	37 SPARE			0.0	20 1	2100			30	2 20.2	2100	1,4	WH-2, GIRLS 192	38
	39 REC-CLASSROOM 168		1080	9.0	20 1	1	108	80		20 1	0.0			SPARE	40	39 SPARE			0.0	20 1		2100	0.100	**	* 20.2	2100	1,4		40
	41 SPARE			0.0	20	1110	4.2 6140	0.0	9708.0	VA	0.0			SFARE	42	41 SPARE 43 SPARE			0.0	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2100		2100	30 **	2 20.2 * 20.2	2100	1,4	WH-2, BOYS 191 ***	42
						92.	5 51.	.2	80.9	AMPS			26952	TOTAL VA		45 SPARE			0.0	20 1	[0]	20	1 0.0			SPARE	46
																47 SPARE 49 SPARE			0.0	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0	Т	0	20	1 0.0 1 0.0			SPARE SPARE	
		PROJE	CT: JEFFI			ARY SCHO		ON AND F	REMODEL		2004	MIO				51 SPARE			0.0	20 1		0	<u> </u>	20	1 0.0			SPARE	52
	BASIS OF DESIGN PANEL TYPE:	PA NEL	BOARD	4	WIRE	NEMA	RERATING: ENCLOSURE	E TYPE:	JA	1 1	200A	MLO	PANE	LAIC RATING: EXISTING		53 SPARE 55 SPARE			0.0	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0	Т	0	20	1 0.0 1 0.0			SPARE SPARE	54
	CKT NOTES:					REMAR	RKS:						01 P3. 945 945			57 SPARE			0.0	20 1		0		20	1 0.0			SPARE	58
	1. GFCI FOR PERSONNEL PROTECTION (5mA) 2. GEEP FOR FOURPMENT PROTECTION (30mA)	5. NEV	BREAKE	R		EXISTIN	IG SQUARE	DPANEL	. MODEL: N	NQ						59 SPARE			0.0	20 1	36562.0	34014.0	0 33316.0	20 VA	1 0.0			SPARE	60
	3. RED HANDLE, LOCKABLE BREAKER																				304.7	283.5	277.6	AMPS			1E+05	TOTAL VA	
	4. EXISTING BREAKER	CIVIT						()(A)					CKT																
	CKT DESCRIPTION	NOTE	VA	AMPS	POLES	A	B		С	POLES	AMPS	VA	NOTE	DESCRIPTION	СКТ	PANEL: N	PROJI	ECT: JEFF	ERSON E	LEMENT	ARY SCHOOL	ADDITION A	AND REM ODE	1					
	1 LTS-RM30, BATH RM, UTILITY & STORAGE	4		0.0	20 1	1 0				20 1	0.0		4	REC-COMM BOARD	2	VOLTAGE: 208 / 120 V		PH	4	WIRE		ATING:	200A		200A	MLO	DAN	MOUNTING: SURFACE	
	3 LTS-CORRIDOR 5 LTS-RM 31	4		0.0	20 1	1	0		0	20 1	0.0		4	REC-RM 30 S, E. & W. WALL REC-RM 30 W, N. & OLITSIDE	4	CKT NOTES:	FANEL	DOAND			REMARKS	:	PE	1			PAN	LACKATING: 10000 AIC	
	7 LTS-RM 32	4		0.0	20 1	1 0				20 1	0.0		4	REC-RM 31 S. & E. WALLS	8	1. GFCI FOR PERSONNEL PROTECTION (5mA)					SINGLE SE	CTION 60CK	T PANELBOA	RD					
	9 LTS-MR 33	4		0.0	20 1	1	0			20 1	0.0		4	REC-RM 31 E WALL	10	2 GFEP FOR EQUIPMENT PROTECTION (30mA) 3. RED HANDLE LOCKABLE BREAKER													
	11 LTS-RW134 13 LTS-RW136	4		0.0	20 1	1 0				20 1	0.0		4	REC-RM 32 S. & E. WALLS	12			-	_							_	-		
	15 LTS-RM 15	4		0.0	20 1	1	0			20 1	0.0		4	REC-RM 32 W. WALL	16		CKT			AMPS/	Δ	LOAD (VA	.)	AMPS/			CKT		CKT
	17 LTS- POLE & BUILDING EXTERIOR 19 TIME CLOCK	4		0.0	20 1 20 1	1			0	20 1 20 1	0.0		4	REC-RM 32 E. & N. WALLS REC-RM 33 S. & W. WALLS	18 20	1 LTS-CORR. 189/RAMP 190/FOY ER 188	NOTE	900	7.5	20	1 1020		0	20	1 1.0	120	NOTE	LTS-EXTERIOR BUILDING	2
	21 REC-RM 34 N. & W. WALLS	4		0.0	20 1	1	0			20 1	0.0		4	REC-RM 33 E WALL	22	3 LTS-GYM 148		1260	10.5	20	1	2520]	20	1 10.5	1260		LTS-GYM 148	4
	23 REC-RM 34 E WALL	4		0.0	20 1	1			0	20 1	0.0		4	REC-4M 33 W. & N. WALLS	24	5 DDC, STAGE STORAGE 187 7 LTS-STAGE TRACK		400	6.0 3.3	20	1 1 1480	7	1320	20 20	1 5.0 1 9.0	600 1080		LTS-STAGE, STOR 187,185,188, RR 192,191 REC-CLASSROOM 197	6 8
	27 REC-RW 36 N. & E. WALLS 27 REC-RM 36 N. & E. WALLS	4		0.0	20 1	1	0		F	20 1	0.0		4	REC-RM 35 W. WALLS	28	9 LTS-STAGE TRACK		400	3.3	20	1	1480		20	1 9.0	1080		REC-CLASSROOM 197	10
	29 REC-RM 36 W. WALL	4		0.0	20 1	1			0	20 1	0.0		4	REC-HALL, BATH RM, UTILITY	30	11 PROJECTOR SCREEN, GYM 184		500	4.2	20	1 1090	7	1580	20	1 9.0	1080		REC-CLASSROOM 199	12
	31 REC-RM 36 E & S. WALLS 33 DATA RACK	4		0.0	20 1 30 1	1 0 1	900			20 1	0.0	900	4	REC-STORAGE, COPIER REC-NEW CLASSROOM 120	32 34	15 MOTORIZED BACKBOARDS, GYM184 15 MOTORIZED BACKBOARDS, GYM184		900	7.5	20	1 1980	1980	7	20	1 <u>9.0</u> 1 <u>9.0</u>	1080		REC-GYM 184, VEST 182	14
	35 (N)LTS-NEW RR 122/123, CLASSRM 120	5	1000	8.3	20 1	1			1900	20 1	7.5	900	4	REC-NEW CLASSROOM 120	36	17 MOTORIZED BACKBOARDS, GYM 184		900	7.5	20	1		1620	20	1 6.0	720		REC-GYM 184, CORR 189	18
	37 EH-1.9, VEST 113	5	1000	9.6	20 2	2 2080)	0		20 1	9.0	1080	4	REC-NEW RR 122/123, OFFICE 132	38	19 SPARE 21 SPARE			0.0	25	1 540 1	900	7	20	1 4.5 1 7.5	540 900		REC-FOY ER 183 REC-RR191 192 RAMP 190	20
	41 FIRE ALARM	4	1000	0.0	20 1	1	2000		1000	20 Z	9.6	1000	5	EFF-1.0, V EST 124 ***	40	23 SPARE			0.0	20	1		600	20	1 5.0	600	1	REC-DRINKING FOUNTAIN, CORR. 189	24
						2080	.0 2900	0.0 2	2900.0	VA			7000			25 SPARE			0.0	20	1 1080	1090	7	20	1 9.0	1080		REC-STAGE 186, PE STOR 188	26
						17.	5 24	.2	24.2	AIVIPS			1000	TOTAL VA		27 SPARE 29 SPARE			0.0	20	1	1060	180	20	1 <u>9.0</u> 1 1.5	180		REC-PROJECTOR, GYM 184	30
																31 SPARE			0.0	20	1 1200			20	1 10.0	1200		REC-SOUNDS SY STEM HEAD-END, STOR188	32
UDD TOP UPD TOP <t< td=""><td>PANEL: M2</td><td>PROJE</td><td>CT: JEFFI</td><td>ERSONE</td><td>ELEMENTA</td><td>ARY SCHO</td><td></td><td>on and F</td><td>REMODEL</td><td></td><td></td><td></td><td></td><td></td><td></td><td>33 SPARE 35 SPARE</td><td></td><td></td><td>0.0</td><td>20</td><td>1</td><td>360</td><td>600</td><td>20 20</td><td>1 3.0 1 5.0</td><td>360 600</td><td></td><td>REC-BLEACHERS, GYM 184 REC-FUTURE SCOREBOARD, GYM 184</td><td>34</td></t<>	PANEL: M2	PROJE	CT: JEFFI	ERSONE	ELEMENTA	ARY SCHO		on and F	REMODEL							33 SPARE 35 SPARE			0.0	20	1	360	600	20 20	1 3.0 1 5.0	360 600		REC-BLEACHERS, GYM 184 REC-FUTURE SCOREBOARD, GYM 184	34
Control Data No.	VOLTAGE: 208 / 120 V			4	WIRE		RE RATING:	200	JA		200A	MLO	DAN			37 SPARE			0.0	20	1 360]		20	1 3.0	360		REC-TEACHER STATION, GY M 184	38
	CKT NOTES:		DOATD			REMA	KS:									39 SPARE		-	0.0	20	1	540	360	20	1 4.5	540 360	_	ACCESS CONTROL, VEST 201/182	40
	1. GFCI FOR PERSONNEL PROTECTION (5mA)	5. NEV	BREAKE	R		EXISTIN	IG SQUARE	D PANEL	MODEL: I	NQ						43 SPARE			0.0	20	1 0			20	1 0.0	300		SPARE	44
	 3. RED HANDLE, LOCKABLE BREAKER 															45 SPARE			0.0	20	1	0	0	20	1 0.0			SPARE	46
	4. EXISTING BREAKER															47 SPARE 49 SPARE			0.0	20	1 0]	0	20	1 0.0 1 0.0			SPARE	50
I Control Cont	CKT DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/ POLES	А	LOAD	(VA)	С	AMPS/ POLES	LOAD AMPS	LOAD VA	OKT NOTE	DESCRIPTION	CKT	51 SPARE			0.0	20	1	0	0	20	1 0.0			SPARE	52
a ····································	1 (E)AC-2, MUSIC ROOM	4		0.0	50 3	3 0				35 3	0.0	.,,	4	(E)AC-1D, RM 35	2	55 SPARE			0.0	20	1 0]	0	20	1 0.0			SPARE	56
Image: Proper line Image:	3 ***	4		0.0	**	*	0		0	** *	0.0		4	***	4	57 SPARE			0.0	20	1	0	0	20	1 0.0			SPARE	58
i ····································	7 (E)AC-1A	4		0.0	35 3	3 0			0	35 3	0.0		4	(E)AC-1E	8	J9 SFARE			0.0	20	7660.0	8860.0	6260.0	VA	1 0.0			SFARE	00
Image Image <th< td=""><td>9 ***</td><td>4</td><td></td><td>0.0</td><td>**</td><td>*</td><td>0</td><td></td><td></td><td>** *</td><td>0.0</td><td></td><td>4</td><td>***</td><td>10</td><td></td><td></td><td></td><td></td><td></td><td>63.8</td><td>73.8</td><td>52.2</td><td>AMPS</td><td></td><td></td><td>22780</td><td>TOTAL VA</td><td></td></th<>	9 ***	4		0.0	**	*	0			** *	0.0		4	***	10						63.8	73.8	52.2	AMPS			22780	TOTAL VA	
Important 4 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0	11 ^^^ 13 (E)AC-1B	4		0.0	35	3 0			U	35 3	0.0		4	(E)AC-1F	12 14		I												
17 17 1 0	15 ***	4		0.0	** ;	*	0			** *	0.0		4	***	<mark>1</mark> 6	PANEL: CH	PROJ	ECT: JEFF	ERSONE	ELEMENT	ARY SCHOOL	ADDITION	AND REMODE	1					
Image: International internatinternate international international international in	17 *** 19 (E)AC-10	4		0.0	**	*			0	** *	0.0		4		18 20	VOLTAGE: 208 / 120 V		PH	4	WIRE		RATING:	200A		1 200A	MLO	DAN		
1 1 0	21 ***	4		0.0	**	*	0		-	** *	0.0		4	***	20	CKT NOTES:		DOAND			REMARKS	:		T			FAN		
Image:	23 ***	4		0.0	**	*			0	** *	0.0		4		24	1. GFCI FOR PERSONNEL PROTECTION (5mA)	5. NEV	V BREAKE	R		EXISTING I	NEMA 3R PAI	NEL LOCATE	D ON RO	OF				
1 1	20 (E)FIRE SWOKE DAMPERS/DOOR HOLDS 27 (E)EXHAUST FAN	4		0.0	20 1 20 1	<u> </u>	0		ŀ	4∪ 2 ** *	0.0		4	(C)VVA IER MEA IEK INLINE ***	26	3. RED HANDLE, LOCKABLE BREAKER													
1 m 4 0.0 0.4 2 22.0 0	29 (E)WATER HEATER	4		0.0	40 2	2		;	3228	40 3	26.9	3228	5	(N)RTU-1.1, ROOF AREA A (CLASSROOM 12	20) 30	4. EXISTING BREAKER					_		-						
36 (NJEF-17, ROOF 5 506 4.2 20 1 100 1 0.0 20 1 0.0 20 1 0.0 2.0 0.0 4.0 0.0 20 1 0.0 2.0 1 0.0	31 *** 33 (E)RECIRC PUMP	4		0.0	** 20 1	* 3228 1	3229	8	ŀ	** *	26.9 26.9	3228 3228	5	***	32	CKT DESCRIPTION	CKT NOTE		AMPS	AMPS/ POLES	А	LUAD (VA B	C C	AMPS/ POLES		S VA		DESCRIPTION	CKT
37 0 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100<	35 (N)EF-1.7, ROOF	5	506	4.2	20 1	1	022	.0	506		20.0	0220	Ŭ	BLANK	36	1 (E)REC-RTU-2 NORTH	4		0.0	20	1 0	_		20	1 0.0		4		2
100 100 100 100 10 100 10 100 10 100<	37 (N)REC-ROOF (RTU-1.1)	5	180	1.5	20 1	1 180								BLANK	38	3 (E)RTU-3, SOUTH	4		0.0	30	3	0	^	45	3 0.0		4		4
3408.0 3408.0 3408.0 409.4.0 VA 28.4 34.1 AMPS 10910 TOTAL VA 11 *** 4 0.0 ** 4 0.0 ** 4 0.0 ** 4 0.0 4800 ** 4 0.0 10 ** 4 0.0 10 10 ** 4 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	39 PLUVIBING XFORIVER, RR 122/123 41 ACCESS CONTROLS VEST 113/124	1,5 4	180 360	1.5 3.0	20 1 20 1	1	180	J	360		$\left \right $			BLANK	40 42	7 ***	4	-	0.0	**	* 0	7	U	**	* 0.0	-	4		8
1 1						3408	.0 3408	8.0 4	4094.0	VA			1001			9 (E)RTU-2 H.2, NORTH	4		0.0	45	3	4800		50	3 40.0	4800	5	(N)RTU-1.11, AREA F (NEW COMPUTER LAB)	10
1000000000000000000000000000000000000						28.	+ 28.4	.4	<u>34.1</u>	AMPS			10910	IUIAL VA		11 *** 13 ***	4		0.0	**	* 4800	7	4800	**	* 40.0 * 40.0	4800	5	***	12
17BLANK0.00.01560 $*$ $*$ 150 5 $**$ 18 19BLANK0.00.00.0000 0.0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>15 (E)REC-RTU-3, SOUTH</td><td>4</td><td></td><td>0.0</td><td>20</td><td>1</td><td><mark>1</mark>560</td><td>1</td><td>20</td><td>2 15.0</td><td>1560</td><td>5</td><td>(N)DFC-1.1, AREA F (NEW IT RM150)</td><td>16</td></td<>																15 (E)REC-RTU-3, SOUTH	4		0.0	20	1	<mark>1</mark> 560	1	20	2 15.0	1560	5	(N)DFC-1.1, AREA F (NEW IT RM150)	16
13DLAINK00.000.0<																17 BLANK			0.0			7	1560	**	* 15.0	1560	5	*** BLANK	18
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$																21 BLANK			0.0			0			0.0			BLANK	20
25BLANK0.010.010.0BLANK2627BLANK0.00.010.010.00.00.010.010.010.010.02829BLANK0.0<																23 BLANK			0.0		1 ^		0		0.0			BLANK	24
29 BLANK 0.0 2 0 0.0 BLANK 30 31 BLANK 0.0 * 0 0.0 BLANK 32																20 BLANK 27 BLANK			0.0		1 U	0		\vdash	0.0	-	-	BLANK	26
31 BLANK 0.0 * 0 BLANK 32																29 BLANK			0.0		2	, _	0		0.0		1	BLANK	30
																31 BLANK		1	0.0		⁻ 0 4800 0	6360.0	6360.0	VA	0.0		1	BLANK	32

PANEL: F	PROJE	CT: JEFF	ERSON E	LEMENTA	RY SCHOOL	ADDITION AND	REMODEL							PANEL: M	PROJEC	T: JEFFE	RSON E	LEMENTA	RY SCHOOL	ADDITION A	ND REM ODE	L					
VOLTAGE: 208 / 120 V	3	PH	4	WIRE	AMPERE R	RATING: 20	00A	WITH	200A N	/L O		MOUNTING: SURFACE		VOLTAGE: 208 / 120 V	3	РН	4	WIRE	AMPERE	ATING:	400A	WITH	400A	MLO		MOUNTING: SURFACE	
BASIS OF DESIGN PANEL TYPE	PANEL	BOARD				CLOSURE TYPE:	1				PANEL	AIC RATING: 10000 AIC		BASIS OF DESIGN PANEL TYPE:	PA NEL B	OARD				LOSURE TYP	PE	1			PANE	LAIC RATING: 10000 AIC	
1. GFCI FOR PERSONNEL PROTECTION (5mA)					REMARKS	c								1. GFCI FOR PERSONNEL PROTECTION (5mA)					SINGLE SE	: CTION 60CKT	PANELBOAF	RD					
2 GFEP FOR EQUIPMENT PROTECTION (30mA)														2 GFEP FOR EQUIPMENT PROTECTION (30mA)													
3. RED HANDLE, LOCKABLE BREAKER														3. RED HANDLE, LOCKABLE BREAKER													
	CKT										CVT			4. LOCKOUT HASP	CKT										CVT	l	
CKT DESCRIPTION	NOTE	VA	AMPS	POLES	А	B	C PC	DLES	AMPS	VA	NOTE	DESCRIPTION	скт	CKT DESCRIPTION	NOTE	VA	AMPS	POLES	А	B	С	POLES	AMPS	VA	NOTE	DESCRIPTION	СКТ
1 EF-1.5, FIRE RISER 180		36.2	0.3	20 1	1036.2		2	20 2	<mark>9.6</mark>	1000		EH-1.3, NEW MECH/RISER RM 180	2	1 RTU-1.6, AREA C (STAGE)		4308	35.9	50 3	5308			20 2	9.6	1000		EH-1.2, VEST 182	2
3 HEAT TAPE, ROOF (DHP-1.1)	2	360	3.0	20 1	_	<mark>136</mark> 0		** *	9.6	1000		***	4	3 ***		4308	35.9	**	r .	5308		** *	<mark>9.6</mark>	1000		***	4
5 REC-ROOF		180	1.5	20 1	2052	_ L	2052 2	25 2 ** *	18.0	1872		DHP-1.2, ROOF (PREP ROOM 179)	6	5 *** 7 DTL 1 9 ADEA D	+	4308	35.9	** 50 0	5209	T T	5308	20 2	9.6	1000		EH-1.1, RAMP 190	6
9 PLUMBING XFORMER, RR 139/141	1	180	1.5	20 1	2052	280	2	20 1	0.8	1072		ERV-1.1	° 10	9 ***	+ +	4308	35.9	30 3 **	5308	4560	1	20 1	9.6 2.1	252		EF-1.6. ROOF	10
11 REC-IT RACK, STOR 176		360	3.0	20 1			360 2	20 1	0.0			REC-CLASSROOM 174	12	11 ***		4308	35.9	**	r	1000	4308	20 1	0.0	202		SPARE	12
13 REC-WASHER, PREP RM 179		720	6.0	20 1	720		2	20 1	0.0			REC-CLASSROOM 174	14	13 RTU-1.7A, AREA C (GYM)		8040	67.0	80 3	9420]	,	20 3	11.5	1380		POWER EXHAUST (RTU-1.7A), AREA C (GY	M) 14
15 REC-RISER, 180		180	1.5	20 1	-	180	2406 2	20 1	0.0			REC-CLASSROOM 172	16	15 ***	+ $+$	8040	67.0	**	r r	9420	0420	** *	11.5	1380		***	16
19 ***		2496	24.0	** *	2496	_ L	2430 2	20 1	0.0			REC-CLASSROOM 173	20	17 19 RTU-1.7B, AREA C (GYM)	+ +	8040	67.0	80 3	9420	T	9420	20 3	11.5	1380		POWER EXHAUST (RTU-1.7B), AREA C (GY	M) 20
21 REC-CLASSROOM 196		1080	9.0	20 1		1080	2	20 1	0.0			REC-CLASSROOM 173	22	21 ***		8040	67.0	**	ŧ.	9420		** *	11.5	<mark>13</mark> 80		***	22
23 REC-CLASSROOM 196		1080	9.0	20 1			1080 2	20 1	0.0			REC-CLASSROOM 171	24	23 ***		8040	67.0	**	r	7	9420	** *	11.5	1380		***	24
25 REC-CLASSROOM 198		1080	9.0	20 1	1080	1090	2	20 1	0.0			REC-CLASSROOM 171	26	25 DSF-1/DSF-2, GYM	+	350	2.9	20 1	856	1500	1	20 1	4.2	506		于-1.10	26
29 REC-CLASSROOM 200		1080	9.0	20 1	_	1000	1080 2	20 1	0.0			REC-CLASSROOM 169	30	29 ***	+	1000	9.6	20 2	-	1500	2400	20 1	4.2	1400	2	ROOF DRAIN HEAT TAPE	30
31 REC-CLASSROOM 200		1080	9.0	20 1	1080		2	20 1	0.0			REC-CLASSROOM 167	32	31 EH-1.5, HALL ENTRY		1000	9.6	20 2	2050]		20 1	8.8	1050	2	ROOF DRAIN HEAT TAPE	32
33 REC-CLASSROOM 170		1080	9.0	20 1	_	1080	2	20 1	0.0			REC-CLASSROOM 167	34	33 ***		1000	9.6	**	r	1700		20 1	5.8	700	2	ROOF DRAIN HEAT TAPE	34
35 REC-CLASSROOM 170		1080	9.0	20 1	2640	-, L	2640 2	20 2	15.0	1560		DFC 1.3, DATA RACK, STOR 176	36	35 SPARE	+		0.0	20 1	2100		360	20 1	3.0	360	1.4		36
39 REC-CLASSROOM 168		1080	9.0	20 1	2040	1080	2	20 1	0.0	1000		SPARE	40	37 SPARE 39 SPARE			0.0	20 1	2100	2100	1	30 2	20.2	2100	1,4	***	38 40
41 SPARE			0.0	20 1			0 2	20 1	0.0			SPARE	42	41 SPARE			0.0	20 1			2100	30 2	20.2	2100	1,4	WH-2, BOYS 191	42
					11104.2	6140.0	9708.0 V/	4			00050			43 SPARE			0.0	20 1	2100		1	** *	20.2	2100	1,4	***	44
					92.5	51.2	80.9 AI	MPS			26952	IOIAL VA		45 SPARE			0.0	20 1	_	0	0	20 1	0.0			SPARE SPARE	46
														49 SPARE			0.0	20 1	0	T	0	20 1	0.0			SPARE	50
PANEL: WII	PROJEC	CT: JEFF	ERSON E	LEMENTA	RY SCHOOL	ADDITION AND	REMODEL							51 SPARE			0.0	20 1		0		20 1	0.0			SPARE	52
VOLTAGE: 208 / 120 V			4	WIRE		ATING: 20	DOA 1	MTH	200A N	ILO		MOUNTING: SURFACE		53 SPARE			0.0	20 1	0	Т	0	20 1	0.0			SPARE SDARE	54
CKT NOTES:	FAINEL	JOAND			REMARKS	:	1				FANEL	AIC RA IIING. EAISTING		57 SPARE			0.0	20 1	0	0		20 1	0.0			SPARE	58
1. GFCI FOR PERSONNEL PROTECTION (5mA)	5. NEW	BREAKE	R		EXISTING S	QUARE D PANEL	L MODEL: NG	ł						59 SPARE			0.0	20 1			0	20 1	0.0			SPARE	60
2 GFEP FOR EQUIPMENT PROTECTION (30mA)																			36562.0	34014.0	33316.0	VA			15+05		
3. RED HANDLE, LOCKABLE BREAKER 4. EXISTING BREAKER																			304.7	283.5	277.0	AIVIPS			IE+00	IOTAL VA	
	CKT	LOAD	LOAD	AMPS/		LOAD (VA)	A	/IPS/	LOAD	LOAD	CKT																
CKT DESCRIPTION	NOTE	VA	AMPS	POLES	А	В	C PC	DLES	AMPS	VA	NOTE	DESCRIPTION	CKT		PROJEC	T: JEFFE				ADDI HON A			2004	MIO	1	MOUNTING SUPEACE	
1 LTS-RM30, BATH RM, UTILITY & STORAGE	4		0.0	20 1	0		2	0 1	0.0		4		2	BASIS OF DESIGN PANEL TYPE:	PANELE	BOARD	4	WIKE		LOSURE TYP	200A PE:	1	200A	IVILO	PANE	L AIC RATING: 10000 AIC	
5 LTS-CORRIDOR 5 LTS-RM 31	4		0.0	20 1	-	0	0 2	0 1	0.0		4	REC-RM 30 S, E. & W. WALL REC-RM 30 W. N. & OUTSIDE	4	CKT NOTES:					REMARKS	:		-					
7 LTS-RM 32	4		0.0	20 1	0]	2	0 1	0.0		4	REC-RM 31 S. & E. WALLS	8	1. GFCI FOR PERSONNEL PROTECTION (5mA)					SINGLE SE	CTION 60CKT	PANELBOA	RD					
9 LTS-MR 33	4		0.0	20 1		0	2	0 1	0.0		4	REC-RM 31 E WALL	10	2 GFEP FOR EQUIPMENT PROTECTION (30mA)													
11 LTS-RM 34	4		0.0	20 1		, L	0 2	0 1	0.0		4	REC-RM 31 W. & N. WALLS	12	3. RED HANDLE, LOCKABLE BREAKER													
13 LTS-RM 36	4		0.0	20 1	0		2	0 1	0.0		4	REC-RM 32 S. & E. WALLS	14		CKT	LOAD	LOAD	AMPS/		LOAD (VA)		AMPS/	LOAD	LOAD	СКТ		
15 LTS-RW 15 17 LTS- POLE & BUILDING EXTERIOR	4		0.0	20 1	-	0	0 2	0 1	0.0		4	REC-RM 32 W. WALL REC-RM 32 F & N WALLS	16	CKT DESCRIPTION	NOTE	VA	AMPS	POLES	А	В	С	POLES	AMPS	VA	NOTE	DESCRIPTION	СКТ
19 TIME CLOCK	4		0.0	20 1	0		2	0 1	0.0		4	REC-RM 33 S. & W. WALLS	20	1 LTS-CORR. 189/RAMP 190/FOY ER 188		900	7.5	20	1020		1	20 1	1.0	120		LTS-EXTERIOR BUILDING	2
21 REC-RM 34 N. & W. WALLS	4		0.0	20 1	4	0	2	0 1	0.0		4	REC-RM 33 E. WALL	22	3 LTS-GYM 148		1260	10.5	20		2520	1220	20 1	10.5	1260		LTS-GYM 148	4
23 REC-RM 34 E WALL	4		0.0	20 1	0	- L	0 2	0 1	0.0		4	REC-4M 33 W. & N. WALLS	24	7 LTS-STAGE TRACK	1 1	400	3.3	20	1480	7	1320	20 1	9.0	1080		REC-CLASSROOM 197	8
27 REC-RM 36 N. & E. WALLS	4		0.0	20 1	0	0	2	0 1	0.0		4	REC-RM 35 W. WALL	28	9 LTS-STAGE TRACK		400	3.3	20		1480		20 1	9.0	1080		REC-CLASSROOM 197	10
29 REC-RM 36 W. WALL	4		0.0	20 1	_		0 2	0 1	0.0		4	REC-HALL, BATH RM, UTILITY	30	11 PROJECTOR SCREEN, GY M 184		500	4.2	20		-	1580	20 1	<mark>9.0</mark>	1080		REC-CLASSROOM 199	12
31 REC-RM 36 E & S. WALLS	4		0.0	20 1	0		2	0 1	0.0		4	REC-STORAGE, COPIER	32	13 MOTORIZED BACKBOARDS, GYM 184		900	7.5	20	1980	1090	1	20 1	9.0	1080		REC-CLASSROOM 199	14
33 DATA RACK 35 (N) TS NEW RR 122/123 CLASSEM 120	4	1000	0.0	30 1	-	900	1900 2	0 1	7.5	900	4	REC-NEW CLASSROOM 120	34	17 MOTORIZED BACKBOARDS, GYM 184		900	7.5	20	0	1960	1620	20 1	<u>9.0</u> 6.0	720		REC-GYM 184, CORR, 189	18
37 EH-1.9. VEST 113	5	1000	9.6	20 1	2080	- <u> </u>	1900 2	0 1	9.0	1080	4	REC-NEW RR 122/123. OFFICE 132	38	19 SPARE			0.0	25 1	540	7	1020	20 1	4.5	540		REC-FOY ER 183	20
39 ***	5	1000	9.6	** *		2000	2	0 2	9.6	1000	5	EH-1.8, VEST 124	40	21 SPARE			0.0	20		900		20 1	7.5	900		REC-RR191,192, RAMP 190	22
41 FIRE ALA RM	4		0.0	20 1			1000	** *	9.6	1000	5	***	42	23 SPARE	_		0.0	20	1000	7	600	20 1	5.0	600	1	REC-DRINKING FOUNTAIN, CORR. 189	24
					2080.0 17 3	2900.0 24.2	2900.0 VA	A MPS			7880	τοται να		25 SPARE 27 SPARE	+		0.0	20	1080	1080	1	20 1	9.0	1080		REC-STAGE 186, PE STOR 188 REC-STAGE 186, STOR 187	26
					17.5	27.2	27.2 AI	/// 0			1000			29 SPARE			0.0	20		1000	180	20 1	1.5	180		REC-PROJECTOR, GYM 184	30
														31 SPARE			0.0	20	1200]	, ,	20 1	10.0	1200		REC-SOUNDS SY STEM HEAD-END, STOR18	8 32
PANEL: M2	PROJEC	T: JEFF	ERSON E		RY SCHOOL	ADDITION AND	REMODEL							33 SPARE	_		0.0	20 [·]		360		20 1	3.0	360		REC-BLEACHERS, GYM 184	34
VOLTAGE: 208 / 120 V	3	PH	4	WIRE	AMPERE R	RATING: 20	AOC	WITH	200A N	1LO		MOUNTING: SURFACE		35 SPARE 37 SPARE			0.0	20	360	7	600	20 1	5.0 3.0	600 360		REC-FUTURE SCOREBOARD, GYM 184	30
BASIS OF DESIGN PANEL TYPE	PANEL	BOARD				LOSURE TYPE:	1				PANEL	AIC RATING: EXISTING		39 SPARE			0.0	20		540		20 1	4.5	540		ACCESS CONTROL, VEST 201/182	40
CKT NOTES: 1 GECLEOR PERSONNEL PROTECTION (5mA)	5 NEW	BREAKE	R		EXISTING S	: SOLIA RE D PA NEL)						41 SPARE			0.0	20			360	20 1	3.0	360		ACCESS CONTROL, RAMP 190	42
2 GFEP FOR EQUIPMENT PROTECTION (30mA)	0.11211							c .						43 SPARE			0.0	20	0	0	1	20 1	0.0			SPARE	44
3. RED HANDLE, LOCKABLE BREAKER														47 SPARE			0.0	20	[U	0	20 1	0.0			SPARE	48
4. EXISTING BREAKER	CKT							/DC/			CKT			49 SPARE			0.0	20	0		1	20 1	0.0			SPARE	50
CKT DESCRIPTION	NOTE	VA	AMPS	POLES	А	B	C PC	DLES	AMPS	VA	NOTE	DESCRIPTION	СКТ	53 SPARE	+		0.0	20 20	-	U	0	20 1	0.0			SPARE	52 54
1 (E)AC-2, MUSIC ROOM	4		0.0	50 3	0		3	53	0.0		4	(E)AC-1D, RM 35	2	55 SPARE			0.0	20	0			20 1	0.0			SPARE	56
3 ***	4		0.0	** *		0		** *	0.0	T	4	***	4	57 SPARE	+		0.0	20 1		0	-	20 1	0.0			SPARE	58
5 *** 7 (E)AC-14	4		0.0	35 3	0	- L	0	5 3	0.0		4	(F)AC-1F	6	59 SPARE			0.0	20	7660.0	8860.0	6260.0	20 1 VA	0.0			SPARE	60
9 ***	4		0.0	** *	U.	0		** *	0.0		4	***	10						63.8	73.8	52.2	AMPS			22780	TOTAL VA	
11 ***	4		0.0	** *			0	** *	0.0		4	***	12														
13 (E)AC-1B	4		0.0	35 3	0		3	5 3	0.0		4	(E)AC-1F	14	PANELCH		-			DV CCLIDOI								
15 *** 17 ***	4		0.0	** *		0	0	** *	0.0		4	***	16		PROJEC								2004	MIO		MOUNTING, SUPEACE	
19 (E)AC-1C	4		0.0	35 3	0]	6	0 3	0.0		4	(E)IRRIGATION PUMP	20	BASIS OF DESIGN PANEL TYPE:	PANEL E	BOARD	1 -	WINE		LOSURE TYP	PE	1	2004	MEO	PANE	L AIC RATING: EXISTING	
21 ***	4		0.0	** *		0		** *	0.0		4	***	22	CKT NOTES:					REMARKS	:							
	4		0.0	** *		, L	0	** *	0.0		4		24	1. GFCI FOR PERSONNEL PROTECTION (5mA)	5. NEW E	BREAKEF	2		EXISTING	NEMA 3R PAN	EL LOCATED	O ON ROO	F				
20 (E)FIRE SINUKE DAMPERS/DOOR HOLDS 27 (E)EXHAUST FAN	4		0.0	20 1 20 1	U	0	4	v 2	0.0		4	(C)VVATEK HEATEK INLINE	26	2 GEEP FOR EQUIPMENT PROTECTION (30MA) 3. RED HANDLE TOCKARTE BREAKER													
29 (E)WATER HEATER	4		0.0	40 2	1		3228 4	0 3	26.9	3228	5	(N)RTU-1.1, ROOF AREA A (CLASSROOM 120) 30	4. EXISTING BREAKER													
31 ***	4		0.0	** *	3228			** *	26.9	3228	5	***	32		CKT	LOAD	LOAD	AMPS/		LOAD (VA)		AMPS/	LOAD	LOAD	CKT		
	4		0.0	20 1	_	3228		** *	26.9	3228	5		34		NOTE	VA	AMPS	POLES	A	В	С	POLES	AMPS	VA	NOTE	DESCRIPTION	CKT
37 (N)REC-ROOF (RTLL1 1)	5	506 180	4.2	20 1	180		duc						36		4		0.0	20 ·	3	0	1	20 1 45 3	0.0		4		2
39 PLUMBING XFORMER, RR 122/123	1,5	180	1.5	20 1	100	180						BLANK	40	5 ***	4		0.0	**	*		0	** *	0.0		4		6
41 ACCESS CONTROLS VEST 113/124	4	360	3.0	20 1	1		360					BLANK	42	7 ***	4		0.0	**	* 0]		** *	0.0		4		8
					3408.0	3408.0	4094.0 V/				10040		7	9 (E)RTU-2 H.2, NORTH	4		0.0	45	3	4800	1000	50 3	40.0	4800	5	(N)RTU-1.11, A REA F (NEW COMPUTER LAB	3) 10
L					28.4	∠ŏ.4	34.1 A	VIFO			10910	IOTAL VA		13 ***	4		0.0	**	* 4800	7	4800	** *	40.0	4800 4800	5	***	12
														15 (E)REC-RTU-3, SOUTH	4		0.0	20	-500	1560	1	20 2	15.0	1560	5	(N)DFC-1.1, AREA F (NEW IT RM150)	16
														17 BLANK			0.0		1		1560	** *	15.0	1560	5	***	18
														19 BLANK	+		0.0	╞──Ҭ	0		1	$\vdash \downarrow$	0.0			BLANK	20
														21 BLANK 23 BLANK	+		0.0	┟──┼	-	0	0	┟─┼─	0.0			BLANK	22
														25 BLANK			0.0		0	1			0.0			BLANK	24
														27 BLANK			0.0		0	0]		0.0			BLANK	28
														29 BLANK			0.0		* ^	7	0		0.0			BLANK	30
																	0.0		4800.0	6360.0	6360.0	VA	0.0		1	DLAINN	32
																						·······					

	PROJECT: JE	FFERSON	WIRE				H 200A	MIO					PANEL. IVI	PROJEC	CT: JEFF		A WIRE AMPERERATING: 400A WITH 400A MLO MOUNTING: SURFACE										
BASIS OF DESIGN PANEL TYPE:	PANEL BOAF	RD T		NEM A ENO	CLOSURE TYPE:	1	200/		PAN	L AIC RATING: 10000 AIC		BA	ASIS OF DESIGN PANEL TYPE:	PANEL I	BOARD	-	WINE	NEMA EN	ICLOSURE TY	(PE:	1			P	ANEL A	AIC RATING: 10000 AIC	
CKT NOTES:				REMARKS	5 :							Cł															
2 GFEP FOR EQUIPMENT PROTECTION (30mA)												1. 2	GFEP FOR EQUIPMENT PROTECTION (30mA)					SINGLES		I FAINELBOA							
3. RED HANDLE, LOCKABLE BREAKER												3.	RED HANDLE, LOCKABLE BREAKER														
	CKT LOA	D LOAI	D AMPS/		LOAD (VA)	AMPS/	LOA	D LOAI	о скт			4.		CKT	LOAD	LOAD	AMPS/		LOAD (VA	()	AMPS/	LOA	D LO/	DØ	KT		
CKT DESCRIPTION	NOTE VA	A AMP	S POLES	А	B C	POLES	AMF	NS VA	NOTE	DESCRIPTION	СКТ	т а	DESCRIPTION	NOTE	VA	AMPS	POLES	А	В	С	POLES	AMF	×S VA	NC	DTE	DESCRIPTION	СКТ
1 EF-1.5, FIRE RISER 180 3 HEAT TAPE ROOF (DHP-1.1)	36. 2 36	2 0.3	20	1 1036.2	1360	20 **	2 9.6	5 1000 5 1000		EH-1.3, NEW MECH/RISER RM 180	2	1	1 RTU-1.6, AREA C (STAGE) 3 ***		4308 4308	35.9	50 (**	3 <u>5</u> 308 *	5308	7	20 **	2 9.6 * 9.6	100 100 100	00	E **	3H-1.2, VEST 182	2
5 REC-ROOF	180	0 1.5	20	1	2052	25	2 18.	0 1872		DHP-1.2, ROOF (PREP ROOM 179)	6	5	5 ***		4308	35.9	**	*	0000	5308	20	2 9.6	3 100	00	E	∃H-1.1, RAMP 190	6
7 CONDENSATE DFC1.1/1.3	180	0 1.5	20	1 2052	280	**	* 18.	0 1872			8	7	7 RTU-1.8, AREA B		4308	35.9	50 3	3 5308	4500	7	**	* 9.6	<u>) 100</u>	00	**	**	8
9 PLOMBING XFORMER, RR 139/141 11 REC-IT RACK, STOR 176	1 180	0 1.5 0 3.0	20	1	360	20	1 0.8	3 <u>100</u>)		ERV-1.1 REC-CLASSROOM 174	10	1	9 *** 11 ***		4308 4308	35.9 35.9	**	*	4560	4308	20	1 2.1 1 0.0	252	2	S	±-1.6, ROOF SPARE	10
13 REC-WASHER, PREP RM 179	720	0.0	20	1 720]	20	1 0.0)		REC-CLASSROOM 174	14	1	13 RTU-1.7A, AREA C (GYM)		8040	67.0	80	3 9420		_	20	3 11.	5 138	80	P	POWER EXHAUST (RTU-1.7A), AREA C (GYM)	14
15 REC-RISER, 180	180	0 1.5	20	1	180	20	1 0.0)	_	REC-CLASSROOM 172	16 18	1	15 *** 17 ***		8040	67.0	**	*	9420	0420	**	* 11.	5 138	80	**	**	16
19 ***	249	6 24.0) **	* 2496		20	1 0.0)		REC-CLASSROOM 173	20	1	19 RTU-1.7B, A REA C (GY M)		8040	67.0	80	3 9420		5420	20	3 11.	5 138	30	P		20
21 REC-CLASSROOM 196	108	9.0	20	1	1080	20	1 0.0)		REC-CLASSROOM 173	22	2	21 ***		8040	67.0	**	*	9420		**	* 11.	5 138	80	**	**	22
23 REC-CLASSROOM 196 25 REC-CLASSROOM 198	108	0 9.0 0 9.0	20	1 1 1080	1080	20 20	1 0.0)		REC-CLASSROOM 171 REC-CLASSROOM 171	24 26	2	23 *** 25 DSF-1/DSF-2 GYM		8040 350	67.0 2.9	** 20	* 856		9420	20	* 11. 1 4.2	<u>5 138</u> 2 50	80 6		<u>**</u>	24 26
27 REC-CLASSROOM 198	108	0 9.0	20	1	1080	20	1 0.0)		REC-CLASSROOM 169	28	2	27 EH-1.4, VEST. 164		1000	9.6	20 2	2	1506		20	1 4.2	2 50	6	E	<i>E</i> -1.11	28
29 REC-CLASSROOM 200	108	9.0	20	1	1080	20	1 0.0)		REC-CLASSROOM 169	30	2	29 ***		1000	9.6	**	*	_	2400	20	1 11.1	7 140	0 2	2 R		30
33 REC-CLASSROOM 200 33 REC-CLASSROOM 170	108	0 9.0 0 9.0	20	1 1060	1080	20	1 0.0)		REC-CLASSROOM 167	32	3	31 EH-1.5, HALL ENTRY 33 ***		1000	9.6 9.6	20 z	*	1700	7	20	1 8.8 1 5.8	3 70	0 2	2 R 2 R	ROOF DRAIN HEAT TAPE	32
35 REC-CLASSROOM 170	108	9.0	20	1	2640	20	2 15.	0 1560		DFC 1.3, DATA RACK, STOR 176	36	3	35 SPARE			0.0	20	l .	_	360	20	1 3.0) 36/	0	R	REC-ROOF	36
37 REC-CLASSROOM 168 39 REC-CLASSROOM 168	108	0 9.0 0 9.0	20	1 2640 1	1080	20	* 15.	0 1560		SPA RE	38 40	3	37 SPARE 39 SPARE			0.0	20	2100	2100	7	30 **	2 20.2	2 210 2 210	0 1,	,4 W	NH-2, GIRLS 192	38
41 SPARE	100	0.0	20	1	0	20	1 0.0)		SPARE	42	4	41 SPARE			0.0	20	1	2100	2100	30	2 20.2	2 210	0 1,	,4 V	WH-2, BOYS 191	42
				11104.2	6140.0 9708.0				26052			4	43 SPARE			0.0	20	2100	0	-	**	* 20.2	2 210	00 1,	,4 **		44
				92.0	51.2 60.9	AIVIFS			20932	IOTAL VA		4	45 SPARE 47 SPARE			0.0	20	l	U	0	20	1 0.0	<u> </u>		S	SPARE	46 48
PANEL: M1	PROJECT	FFFRSON		ARY SCHOOL		DEI						4	49 SPARE			0.0	20	0			20	1 0.0	<u>,</u>		S	3PARE	50
VOLTAGE: 208 / 120 V	3 PH	4	WIRE	AMPERER	RATING: 200A	WITI	H 200A	MLO		MOUNTING: SURFACE		5	53 SPARE			0.0	20		U	0	20	1 0.0 1 0.0	<u>י</u>		s	SPARE	52
BASIS OF DESIGN PANEL TYPE	PANEL BOAR	RD		NEMA ENC	CLOSURE TYPE:	1		•	PANE	LAIC RATING: EXISTING		5	55 SPARE			0.0	20	0	1	_	20	1 0.0	<u> </u>		S	3PA RE	56
CKT NOTES: 1 GECLEOR PERSONNEL PROTECTION (5mA)	5 NEW BREA	KFR		REMARKS	: SOLIA RE D PANIEL MODE							5	57 SPARE 59 SPARE			0.0	20 ·		0	0	20	1 0.0 1 0.0	<u> </u>	_	S	3PARESPARE	58 60
2 GFEP FOR EQUIPMENT PROTECTION (30mA)	J. NEW DILEA			EXISTING		L. NG										0.0	20	36562.0	34014.0	33316.0	VA	0.0					00
3. RED HANDLE, LOCKABLE BREAKER																		304.7	283.5	277.6	AMPS			1E-	+05 T	IOTAL VA	
4. EXISTING DREAKER	CKT LOA		D AMPS/		LOAD (VA)	AMPS/	LOA	D LOAD	CKT			╡╔															
CKT DESCRIPTION	NOTE V/	A AMPS	S POLES	А	в с	POLES	AMF	S VA	NOTE	DESCRIPTION	CKT			PROJE	CT: JEFF					200 A		1 2004					
1 LTS-RM30, BATH RM, UTILITY & STORAGE	4	0.0	20	1 0		20	1 0.0	0	4	REC-COMM BOARD	2	B	BASIS OF DESIGN PANEL TYPE:	PANEL	BOARD	4		NEMA EN	ICLOSURE T	YPE:	1	1 2004		Р	ANEL A	AIC RATING: 10000 AIC	
5 LTS-RM 31	4	0.0	20	1	0	20	1 0.0		4	REC-RM 30 W, N. & OUTSIDE	6	С	CKT NOTES:					REMARK	S:		- 14 - 51 - 5						
7 LTS-RM 32	4	0.0	20	1 0		20	1 0.0	(4	REC-RM 31 S. & E. WALLS	8	1.	. GFCI FOR PERSONNEL PROTECTION (5mA)					SINGLES	ECTION 60CK	(T PANELBOA	ARD						
9 LTS-MR 33 11 LTS-RM 34	4	0.0	20	1	0	20	1 0.0 1 0.0	1	4	REC-RM 31 E. WALL REC-RM 31 W. & N. WALLS	10	3.	B. RED HANDLE, LOCKABLE BREAKER														
13 LTS-RM 36	4	0.0	20	1 0	1	20	1 0.0	(4	REC-RM 32 S. & E. WALLS	14] _		OVT													
	4	0.0	20	1	0	20	1 0.0		4	REC-RM 32 W. WALL	16	C	CKT DESCRIPTION	NOTE	VA	AMPS	POLES	А	LOAD (VA B	C	POLES	AMF	PS V/		DTE	DESCRIPTION	CKT
19 TIME CLOCK	4	0.0	20	1 0]	20	1 0.0	(4	REC-RM 33 S. & W. WALLS	20		1 LTS-CORR. 189/RAMP 190/FOY ER 188		900	7.5	20	1 1020			20	1 1.0	J 12	0	Ľ	TS-EXTERIOR BUILDING	2
21 REC-RM 34 N. & W. WALLS	4	0.0	20	1	0	20	1 0.0	ſ	4	REC-RM 33 E WALL	22		3 LTS-GYM 148		1260	10.5	20	1	2520	1220	20	1 10.	5 126	50 0	Ľ	_TS-GY M 148	4
23 REC-RM 34 E WALL 25 REC-RM 34 W & S WALLS	4	0.0	20 20	1 0		20 20	1 0.0 1 0.0	6	4	REC-4M 33 W. & N. WALLS REC-RM 35 S. & F. WALLS	24 26		7 LTS-STAGE TRACK		400	3.3	20	1 1480		1320	20	1 9.0	J 108	30	R	REC-CLASSROOM 197	8
27 REC-RM 36 N. & E. WALLS	4	0.0	20	1	0	20	1 0.0	6	4	REC-RM 35 W. WALL	28		9 LTS-STAGE TRACK		400	3.3	20	1	1480		20	1 9.0) 108	30	R	REC-CLASSROOM 197	10
29 REC-RM 36 W. WALL	4	0.0	20	1		20	1 0.0		4		30		11 PROJECTOR SCREEN, GY M 184 13 MOTORIZED BACKBOARDS GY M 184		500 900	4.2	20	1 1980		1580	20	1 9.0 1 9.0	108 0 107	30 30	R	REC-CLASSROOM 199	12
31 RECRIVI 36 E & S. WALLS 33 DATA RACK	4	0.0	30	1 0	900	20	1 7.5	900	4	REC-NEW CLASSROOM 120	32	1	15 MOTORIZED BACKBOARDS, GYM 184		900	7.5	20	1	1980		20	1 9.0	J 108	30	R	REC-GYM 184, VEST 182	16
35 (N)LTS-NEW RR 122/123, CLASSRM 120	5 100	0 8.3	20	1	1900	20	1 7.5	900	4	REC-NEW CLASSROOM 120	36	1	17 MOTORIZED BACKBOARDS, GYM 184		900	7.5	20	1		1620	20	1 6.0) 72	0	R	REC-GYM 184, CORR 189	18
37 EH-1.9, VEST 113	5 100	0 9.6	20	2 2080	2000	20	1 9.0	1080	4	REC-NEW RR 122/123, OFFICE 132	38	1	19 SPARE 21 SPARE			0.0	25	1 540 1	900	7	20 20	1 4.5 1 7.5	5 90	0	R	REC-FOY ER 183 REC-RR191, 192, RAMP 190	20 22
41 FIRE ALA RM	4	0.0	20	1	1000	**	* 9.6	1000	5	***	42	2	23 SPARE			0.0	20	1	_	600	20	1 5.0) 60	0 1	1 R	REC-DRINKING FOUNTAIN, CORR. 189	24
				2080.0	2900.0 2900.0				7000			2	25 SPARE			0.0	20	1 1080 1	1080		20	1 9.0) 108	30	R	REC-STAGE 186, PE STOR 188	26
				17.3	24.2 24.2	AIVIPS			1000	IOTAL VA			27 SPARE 29 SPARE			0.0	20	1	1080	180	20	1 1.5	5 18	0	R	REC-PROJECTOR, GYM 184	30
												3	31 SPARE			0.0	20	1 1200		_	20	1 10.	0 120	00	R	REC-SOUNDS SY STEM HEAD-END, STOR188	32
PANEL: M2	PROJECT: JE	FFERSON	I EL EM ENT	ARY SCHOOL	ADDITION AND REMO	DEL						3	33 SPARE 35 SPARE			0.0	20	1	360	600	20	1 3.0) 360	0	R	REC-BLEACHERS, GYM 184	34
	3 PH	4	WIRE		RATING: 200A	WITI	H 200A	MLO	DAN			3	37 SPARE			0.0	20	1 360			20	1 3.0	J 36	0	R	REC-TEACHER STATION, GY M 184	38
CKT NOTES:	PANEL BUAR			REMARKS					PAN	LAIC RATING: EXISTING		3	39 SPARE			0.0	20	1	540	200	20	1 4.5	5 <u>54</u>	0	A	ACCESS CONTROL, VEST 201/182	40
1. GFCI FOR PERSONNEL PROTECTION (5mA)	5. NEW BREA	KER		EXISTING S	SQUARE D PANEL MODE	EL: NQ						4	41 SPARE 43 SPARE			0.0	20	1 1 0		360	20	1 3.0) <u>36</u> 0	0	A	SPARE	42
2 GFEP FOR EQUIPMENT PROTECTION (30mA) 3 RED HANDLE LOCKABLE BREAKER												4	45 SPARE			0.0	20	1	0		20	1 0.0	<u>ر</u>		s	SPARE	46
4. EXISTING BREAKER												4	47 SPARE 49 SPARE			0.0	20	1		0	20	1 0.0	0		s	SPARE	48 50
	CKT LOA	AD LOAI	D AMPS/		LOAD (VA)	A MPS/	LOA		CKT				51 SPARE			0.0	20	1	0]	20	1 0.0	,		S	SPARE	52
1 (E)AC-2, MUSIC ROOM	4	• AMPS 0.0	5 POLES	A 3 0	вС	35	3 0 0	s VA	101E	(E)AC-1D, RM 35	2	5	53 SPARE 55 SPARE			0.0	20 20	1 1 0		0	20 20	1 0.0	<u>'</u>	+	S	SPARE SPARE	54 56
3 ***	4	0.0	**	*	0	**	* 0.0		4	***	4		57 SPARE			0.0	20	1	0]	20	1 0.0	<u>, </u>		S	SPARE	58
5 *** 7 (F)ΔC-1Δ	4	0.0	**	*	0	**	* 0.0		4	*** (F)AC-1F	6 9	5	59 SPARE			0.0	20	7660.0	8860.0	6260.0	20 VA	1 0.0)		S	SPARE	60
9 ***	4	0.0	**	*	0	**	* 0.0		4	***	10	<u> </u>						63.8	73.8	52.2	AMPS			22	780 T	TOTAL VA	
11 ***	4	0.0	**	*	0	**	* 0.0		4	***	12	+															
13 (E)AG-18 15 ***	4	0.0	35 **	3 0 *	0	35 **	3 0.0 * 0.0	0 0	4	(E)AG-1F ***	14 16	- F	PANEL: CH	PROJE	CT: JEFF	ERSON	ELEMENT	ARY SCHOO		AND REMOD	EL						
17 ***	4	0.0	**	*	0	**	* 0.0	()	4	***	18	V	/OLTAGE: 208 / 120 V	3	PH	4	WIRE	AMPERE	RATING:	200A	WITH	H 200A	A MLO			MOUNTING: SURFACE	
19 (E)AC-1C 21 ***	4	0.0	35 **	3 0 *	0	60 **	3 0.0		4	(E)IRRIGATION PUMP	20	B	BASIS OF DESIGN PANEL TYPE:	PANEL	BOARD				NCLOSURE T	YPE	1			P	PANEL	AIC RATING: EXISTING	
23 ***	4	0.0	**	*	0	**	* 0.0	0	4	***	24	1.	. GFCI FOR PERSONNEL PROTECTION (5mA)	5. NEW	BREAKE	R		EXISTING	NEMA 3R PA	NEL LOCA TE	ED ON RO	OF					
25 (E)FIRE SMOKE DAMPERS/DOOR HOLDS	4	0.0	20	1 0		40	2 0.0		4	(E)WATER HEATER INLINE	26	2	2 GFEP FOR EQUIPMENT PROTECTION (30mA)														
27 (E)EXHAUST FAN 29 (E)WATER HEATER	4	0.0	20 40	2	0 3228	40	* 0.0 3 26.9	3228	4	(N)RTU-1.1, ROOF AREA A (CLASSROOM 12)	28 20) 30	3. 4.	3. RED HANDLE, LOCKABLE BREAKER 1. EXISTING BREAKER														
31 ***	4	0.0	**	* 3228		**	* 26.9	3228	5	***	32	1		CKT	LOAD	LOAD	AMPS/		LOAD (VA	\)	AMPS/	LOA	D LO	AD C	жт	1	<u> </u>
33 (E)RECIRC PUMP	4	0.0	20	1	3228	**	* 26.9	3228	5		34	0		NOTE	VA	AMPS	POLES	A	В	С	POLES	AMF	<u>'S V/</u>	A NO	OTE	DESCRIPTION	CKT
37 (N)REC-ROOF (RTU-1.1)	5 506) 4.2) 1.5	20	1 180	506	+			-	BLANK	36 38	┨┝	3 (E)RTU-3, SOUTH	4		0.0	20 30	3	0		20 45	3 0.0	<u>,</u>	2	+ 4		2 4
39 PLUMBING XFORMER, RR 122/123	1,5 180) 1.5	20	1	180			1	1	BLANK	40	1 🗆	5 ***	4		0.0	**	*		0	**	* 0.0	J	4	4		6
41 ACCESS CONTROLS VEST 113/124	4 360	3.0	20	3408.0	3408.0 4094.0	VA				BLANK	42	┫╞	7 *** 9 (E)RTI L2 H2 NORTH	4		0.0	**	* 0 3	1800	7	**	* 0.0)	20	4 5 (8
				28.4	<u>28.4</u> 34.1	AMPS			10910	TOTAL VA			11 ***	4		0.0	40	*	4800	4800	**	* 40.	.0 480		5 (I		12
												1	13 ***	4		0.0	**	* 4800			**	* 40.	0 480	00 8	5 *'		14
												1	10 (E)REG-RTU-3, SOUTH 17 BLANK	4		0.0	20	1	1560	1560	20 **	2 15. * 15	.0 156	50 E	ວ (l 5 *'	יאטרט-ד.1, AREA F (NEW IT RM150) ***	16 18
												1	19 BLANK			0.0		0				0.0	J	Ť	В	BLANK	20
												2	21 BLANK			0.0	┢╋	-	0		+	0.0)	-	B	BLANK	22
												2	25 BLANK			0.0	+	1 0		U	+	0.0	<u>,</u>		В	BLANK	∠4 26
												2	27 BLANK			0.0	\square	1	0			0.0	<u>,</u>		В	BLANK	28
												2	29 BLANK 31 BLANK			0.0	+	2 * 0		0	+	0.0) 0	-	B	3LANK BLANK	30 32
												F				5.0	<u> </u>	4800.0	6360.0	6360.0	VA	0.0					

· N. ARCHITECTS 2400 E RIVERWALK DRIVE BOISE, IDAHO 83706 WWW.LKVARCHITECTS.COM 208.336.3443 MUSGROVE ENGINEERING, P.A. 234 S. Whisperwood Way Boise, Idaho 83709 208.384.0585 www.musgrovepa.com OVER 40 YEARS OF EXCELLENCE Project No. 22-104 CUBNAL E ĽCHY Date 05/11/2023 # Jefferson Elementary School Addition and Remodel Jerome, Idaho 600 N. Fillmore Street, DATE: February 24, 2023 LKV PROJECT #: -REVISIONS: DRAWN BY: AN CHECKED BY: KL Design Development DRAWING NO. E-10.1 ELECTRICAL SCHEDULES

P/	ANEL: E	PROJE	CT: JEFFI	ERSON E	LEMEN	ITAF	RY SCHOOL	ADDITION A	ND REM ODE	L						
VOL	TAGE: 208 / 120 V	3	PH	4	WIRE		AMPERE R	ATING:	200A	WIT	Н	200A	MLO		MOUNTING: SURFACE	
BASI	S OF DESIGN PANEL TYPE:	PANEL	BOARD				NEM A ENC	LOSURE TYP	PE:	1				PANE	LAIC RATING: 10000 AIC	
CKT	NOTES:						REMARKS:									
1. GF	CI FOR PERSONNEL PROTECTION (5mA)						EXTEND CO	NDUITS AND		RS FRO		DEMOLIS	HED PANE	EL 'E TO N	IEW PANEL 'E' LOCATION.	
2 GF	EP FOR EQUIPMENT PROTECTION (30mA)															
3. RE	D HANDLE, LOCKABLE BREAKER															
		CKT	LOAD	LOAD	AMPS	6/		LOAD (VA)		AMPS	/	LOAD	LOAD	CKT		
CKT	DESCRIPTION	NOTE	VA	AMPS	POLES	6	Α	B	С	POLE	S	AMPS	VA	NOTE	DESCRIPTION	
1	(E)REC-LOUNGE			0.0	20	1	0			20	1	0.0			(E)LTS-RM 6	
3	(E)REC-LOUNGE			0.0	20	1		0		20	1	0.0			(E)LTS-RM 6	
5	(E)LTS-LOUNGE			0.0	20	1			0	20	1	0.0			(E)REC-WEST	
7	(E)LTS-LOUNGE			0.0	20	1	0			20	1	0.0			(E)REC-EAST	
9	(E)LTS-HALLWAY			0.0	20	1		0		20	1	0.0			(E)LTS-RM 3	
11	(E)LTS-RR & EXHAUST FANS			0.0	20	1			2628	30	3	21.9	2628		(N)RTU-1.25, ROOF (BID ALT #2	2)
13	(E)LTS-RM 4			0.0	20	1	2628]		**	*	21.9	2628		***	
15	(E)REC-WEST			0.0	20	1		2628	1	**	*	21.9	2628		***	
17	(E)REC-WEST			0.0	20	1			0	20	1	0.0			(E)LTS-RM 2	
19	(E)LTS-RM 1			0.0	25	1	0]		20	1	0.0			(E)LTS-OUTSIDE	
21	(E)LTS-RM 1			0.0	20	1		0]	20	1	0.0			EXISTING	
23	(E)LTS-RM 1			0.0	20	1			0	20	1	0.0			(E)LTS-HALLWAY	
25	(E)HEAT CLASSROOM			0.0	20	1	2628]		30	3	21.9	2628		(N)RTU-1.22, ROOF (BID ALT #2	2)
27	(E)HEAT CLASSROOM			0.0	20	1		2628	1	**	*	21.9	2628		***	
29	(E)LTS TUNNEL			0.0	20	1			2628	**	*	21.9	2628		***	
31	(N)RTU-1.20, ROOF (BID A LT #2)		3228	26.9	40	3	5856]		30	3	21.9	2628		(N)RTU-1.23, ROOF (BID ALT #2	2)
33	***		3228	26.9	**	*		5856]	**	*	21.9	2628		***	
35	***		3228	26.9	**	*			5856	**	*	21.9	2628		***	
37	(N)RTU-1.21, ROOF (BID ALT #2)		2628	21.9	30	3	5256			30	3	21.9	2628		(N)RTU-1.24, ROOF (BID ALT #2	2)
39	***		2628	21.9	**	*		5256		**	*	21.9	2628		***	
41	***		2628	21.9	**	*			5256	**	*	21.9	2628		***	
							16368.0	16368.0	16368.0	VA						
							136.4	136.4	136.4	AMPS				49104	TOTAL VA	
P/	NEL: L	PROJE	CT: JEFFE	ERSON E	LEMEN	TAR	Y SCHOOL A		ID REM ODEL							
VOL	TAGE: 208 / 120 V	3	PH	4	WIRE		AMPERE RA	TING:	400A	WITI	H, J	400A	MLO		MOUNTING: FLUSH	
BASI	S OF DESIGN PANEL TYPE:	PANEL	BOARD				NEM A ENCL	OSURE TYP	E	1				PANEL	AIC RATING: EXISTING	

BASI	S OF DESIGN PANEL TYPE:	PANEL	BOARD				NEM A ENC	LOSURE TYP	PE:	1				PANE	LAIC RATING: EXISTING
СКТ	NOTES:						REMARKS:								
1. GF	CIFOR PERSONNEL PROTECTION (5mA)	5. NEW	BREAKE	2			EXISTING P	ANEL							
2 GF	EP FOR EQUIPMENT PROTECTION (30mA)														
3. R	ED HANDLE, LOCKABLE BREAKER														
4. EX	ISTING BREAKER														
		CKT	LOAD	LOAD	AMPS	1		LOAD (VA)		AMPS	5/	LOAD	LOAD	CKT	
CKT	DESCRIPTION	NOTE	VA	AMPS	POLES		A	В	С	POLE	S	AMPS	VA	NOTE	DESCRIPTION
1	(E)LTS-EXTERIOR	4	1400	11.7	20	1	2900			20	1	12.5	1500	4	(E)COPIER
3	(E)LTS-CLASSROOM	4	1400	11.7	20	1		5708		50	3	35.9	4308	4	(N)RTU-1.15, ROOF (BID ALT #2)
5	(E)LTS-CLASSROOM	4	1400	11.7	20	1			5708	**	*	35.9	4308	4	***
7	(E)LTS-CORRIDOR/OFFICE	4	700	5.8	20	1	5008			**	*	35.9	4308	4	***
9	(E)LTS-MEDIA CENTER	4	1100	9.2	20	1		3728]	50	3	21.9	2628	4	(N)RTU-1.10, ROOF
11	(E)LTS-MEDIA CENTER	4	1200	10.0	20	1			3828	**	*	21.9	2628	4	***
13	(E)ROOF	4	1000	8.3	20	1	3628]		**	*	21.9	2628	4	***
15	(E)RR EXHAUST FANS	4	1400	11.7	20	1		5708]	50	3	33.5	4308	4	(N)RTU-1.16, ROOF (BID ALT #2)
17	(N)EH-1.6, VEST. 201	5	1000	9.6	20	2			5308.431	**	*	33.5	4308	4	***
19	***	5	1000	9.6	**	*	4467			**	*	33.5	3467	4	***
21	(N)RTU-1.18, ROOF (BID A LT #2)	5	6360	53.0	70	3		10668		100	3	35.9	4308	4	(N)RTU-1.2
23	***	5	6360	53.0	**	*			10668	**	*	35.9	4308	4	***
25	***	5	6360	53.0	**	*	10668			**	*	35.9	4308	4	***
27	SPARE	4		0.0	20	1		3467		50	3	28.9	3467	4	(N)RTU-1.13, ROOF (BID ALT #2)
29	SPARE	4		0.0	20	1			3467	**	*	28.9	3467	4	***
31	SPARE	4		0.0	20	1	3467			**	*	28.9	3467	4	***
33	SPARE	4		0.0	20	1		6900		100	3	57.5	6900	4	(N)RTU-1.14, ROOF (BID ALT #2)
35	BLANK			0.0	20	1			6900	**	*	57.5	6900	4	***
37	BLANK			0.0	20	1	6900			**	*	57.5	6900	4	***
39	BLANK			0.0	20	1		1000		20	2	<mark>9.6</mark>	1000	5	EH-1.7, VEST 100
41	BLANK			0.0	20	1			1000	**	*	<mark>9.6</mark>	1000	5	***
							37038.0	37179.0	36879.4	VA					
							308.7	309.8	307.3	AMPS	;		11109	6.4308	TOTAL VA

P/	ANEL: LC	PROJE	CT: JEFFE	RSON E	LEMEN	ITAF	Y SCHOOL	ADDITION AN	ND REM ODE	L						
VOL	TAGE: 208 / 120 V	3	РН	4	WIRE		AMPERE R	ATING:	200A	WIT	ГН	200A	MLO		MOUNTING	: FLUSH
BAS	S OF DESIGN PANEL TYPE:	PANEL	BOARD				NEMA ENC	LOSURE TYP	νE:	1				PANE	L AIC RATING:	EXISTING
СКТ	NOTES:						REMARKS:									
1. GF	CIFOR PERSONNEL PROTECTION (5mA)	5. NEW	BREAKER	2			EXISTING P	ANEL								
2 GF	EP FOR EQUIPMENT PROTECTION (30mA)															
3. R	ED HANDLE, LOCKABLE BREAKER															
4. EX	ISTING BREAKER															
		CKT	LOAD	LOAD	AMPS	5/		LOAD (VA)		AMPS	5/	LOAD	LOAD	CKT		
CKT	DESCRIPTION	NOTE	VA	AMPS	POLES	5	А	В	С	POLE	S	AMPS	VA	NOTE		DESCRIPTION
1	(E)ROOM 18	4		0.0	20	1	0			20	1	0.0		4	(E)ROOM 18	
3	(E)ROOM 18	4		0.0	20	1		0		20	1	0.0		4	(E)ROOM 18	
5	(E)ROOM 18	4		0.0	20	1			0	20	1	0.0		4	(E)ROOM 18	
7	(E)ROOM 20	4		0.0	20	1	0			20	1	0.0		4	(E)ROOM 20	
9	(E)ROOM 20	4		0.0	20	1		0		20	1	0.0		5	(E)ROOM 20	
11	(E)ROOM 20	4		0.0	20	1			0	20	1	0.0		5	(E)ROOM 20	
13	(E)ROOM 28 GFCI	4		0.0	20	1	0			20	1	0.0		5	(E)CORRIDOR &	EXHAUST FAN
15	(E)ROOM 20 GFCI	4		0.0	20	1		0		20	1	0.0		4	(E)MEDIA CENTE	ROFFICE
17	(E)DATA RACK	4		0.0	20	1			0	20	1	0.0		4	(E)OFFICE	
19	(E)DARA RACK	4		0.0	20	1	0	Ī		20	1	0.0		4	(E)OFFICE	
21	(E)MEDIA CENTER	4		0.0	20	1		0		20	1	0.0		4	(E)MEDIA CENTE	R
23	(E)MEDIA CENTER	4		0.0	20	1			0	20	1	0.0		4	(E)MEDIA CENTE	R
25	(E)MEDIA CENTER	4		0.0	20	1	0			20	1	0.0		4	(E)MEDIA CENTE	R
27	(E)EWC	4		0.0	20	1		1260		20	1	10.5	1260	4	REC-COMPUTER	LAB DESKS
29	REC-RECEPTION DESK	4	540	4.5	20	1			1800	20	1	10.5	1260	4	REC-COMPUTER	LAB DESKS
31	(E)RECEPTION BATHROOM	4		0.0	20	1	1260			20	1	10.5	1260	4	REC-COMPUTER	LAB DESKS
33	(E)COPIER	4		0.0	20	1		1260		20	1	10.5	1260	4	REC-COMPUTER	LAB DESKS
35	(E)CONFERENCE ROOM	4		0.0	20	1			360	20	1	3.0	360	4	REC-OFFICE 159)
37	(E)PRINCIPAL OFFICE	4		0.0	20	1	360			20	1	3.0	360	4	ACCESS CONTR	OL VEST 100
39	(E)TEST, SICK, SECRETARY	4		0.0	20	1		0		20	1	0.0		4	SPARE	
41	(E)RECEPTION COUNTER	4		0.0	20	1			0	20	1	0.0		4	SPARE	
							1620.0	2520.0	2160.0	VA						
							13.5	21.0	18.0	AMPS	5		63	00	TOTAL VA	

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