



ADDENDUM 001

project	DSD Clearfield Teen Centers	project no	20075.00
date	2020-10-12	no. pages	03
owner	Davis School District		
contractor			
bid date	2020-10-20	bid time	2:00 pm

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

general

- 1.1 Note of clarification: All of the existing holes in the existing floor slab will be filled in by the Owner.
- 1.2 See attached Electrical addendum and memorandum.

End of Addendum 001



ELECTRICAL ADDENDUM #01

To: Tanner Stout **From:** Alex Ecton
Company: VCBO Architecture
Date: October 12, 2020
Project: DSD Clearfield High School Teen Center

The following changes as described below are issued as an addendum to the construction documents prior to bid submittal due date. The contractors are responsible to ensure all addendum additions and/or changes are included in their bid.

Drawings:

#:	Sheet:	Description:
1	EG601	Added Mechanical Equipment Schedule. Revised 'PA2' panel schedule.
2	ED101	Added keyed note 'D10'.

Attachments:

< Elec Addendum 01_Drawings_DSD Clearfield Teen Center_2020-10-12.pdf >

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	SOURCE	ELECTRICAL		APPROVED MANUFACTURERS	CATALOG INFORMATION		COMMENTS / NOTES
			VOLTAGE	LOAD		CATALOG NUMBER / SERIES		
D01	6" ROUND SURFACE MOUNTED DOWNLIGHT, 3/4" IN DEPTH, SUITABLE FOR SHOWERS, 120/277V UNIVERSAL DRIVER.	LED 1200 LUMENS 0-10V DIM 3000K	277 V	15	HALO (OR APPROVED EQUIVALENT)	SMDR-12-930-WH-E		
P01	4" WIDE SUSPENDED LINEAR FIXTURE, DIRECT/INDIRECT LIGHT DISTRIBUTION, EXTRUDED ALUMINUM HOUSING, FROSTED LENS FOR DIRECT LIGHT, 120/277V UNIVERSAL DRIVER. REFER TO DRAWINGS FOR LENGTHS REQUIRED. PROVIDE INTEGRAL 1400 LUMEN BATTERY PACK WHERE INDICATED ON PLANS.	LED 800 LMFT DOWN 365 LMFT UP 0-10V DIM TO 1% 3000K	277 V	9	NEO-RAY (OR APPROVED EQUIVALENT)	S12DIP-C-795D-365U-8-30-C10-JB-**-1-U-DD-F-SFBA S12DIP-C-795D-365U-8-35-C10-JB-**-1-E-U-DD-F-SFBA		SUSPEND FIXTURE SO THAT BOTTOM OF FIXTURE IS AT +10'-0" A.F.F.
P02	4" WIDE SUSPENDED LINEAR FIXTURE, DIRECT/INDIRECT LIGHT DISTRIBUTION, EXTRUDED ALUMINUM HOUSING, FROSTED LENS FOR DIRECT LIGHT, 120/277V UNIVERSAL DRIVER. REFER TO DRAWINGS FOR LENGTHS REQUIRED. PROVIDE INTEGRAL 1400 LUMEN BATTERY PACK WHERE INDICATED ON PLANS.	LED 575 LMFT DOWN 365 LMFT UP 0-10V DIM TO 1% 3000K	277 V	7	NEO-RAY (OR APPROVED EQUIVALENT)	S12DIP-C-575D-365U-8-30-C10-JB-**-1-U-DD-F-SFBA S12DIP-C-575D-365U-8-35-C10-JB-**-1-E-U-DD-F-SFBA		SUSPEND FIXTURE SO THAT BOTTOM OF FIXTURE IS AT +10'-0" A.F.F.
U01	UNDER CABINET LIGHT FIXTURE WITH INTEGRAL DRIVER AND SWITCH, HARDWARE APPLICATION, 120/277V UNIVERSAL DRIVER. REFER TO DRAWINGS FOR LENGTHS REQUIRED.	LED 300 LMFT NON-DIMMING 3000K	277 V	6	HALO (OR APPROVED EQUIVALENT)	HUB-858C-**-SFBA		
W01	2" LONG WALL MOUNTED BRACKET LIGHT FIXTURE WITH FULL FROSTED LENS, 120/277V UNIVERSAL DRIVER.	LED 2400 LUMENS 0-10V DIM 3000K	277 V	25	METALUX (OR APPROVED EQUIVALENT)	4BGLDLD424HL-FUNV-L830-CD-1-U		
X01	DIE-CAST ALUMINUM EDGE-LIT, LED EXIT SIGN, SINGLE FACE, CLEAR BACKGROUND, BRUSHED ALUMINUM FINISH, UNIVERSAL CEILING/BACK MOUNTING, NICKEL CADMIUM BATTERY.	LED	277 V	2	ABB (OR APPROVED EQUIVALENT)	PN-G-6-AD		REFER TO DRAWINGS FOR MOUNTING.

LIGHT FIXTURE GENERAL NOTES

- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
- CONFIRM MOUNTING HEIGHTS AND LOCATIONS OF ALL LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS AND / OR ARCHITECT.
- REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE REQUIREMENTS.
- CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
- ALL LIGHT FIXTURES ARE TO BE 3500K FOR INTERIOR APPLICATIONS AND 4000K FOR EXTERIOR APPLICATIONS, UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
- ALL LIGHT FIXTURES ARE TO BE A MINIMUM OF 80 CRI UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
- ALL LED SOURCES MUST MEET L80 AT 50,000 HRS MINIMUM UNLESS OTHERWISE NOTED.
- CONFIRM ALL MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO RELEASE.
- ALL LIGHT FIXTURES ARE TO HAVE AN EFFICACY OF 80 LUMENS PER WATT MINIMUM.

BIDDING REQUIREMENTS

- BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.
- PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED AND MUST BE BID SEPARATELY. I.E. LIGHT FIXTURES, THEATRICAL LIGHTING, SPORTS LIGHTING AND ALL LIGHTING CONTROLS.
- WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND / OR CONTRACTOR.
- WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

LIGHT FIXTURE PRIOR APPROVAL REQUIREMENTS

- PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.
- PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) WORKING DAYS BEFORE BID TIME. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
- ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVALS WILL NOT BE GIVEN ON ANY ITEM.
- IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.
- PRIOR APPROVALS SHALL CONSIST OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL NOT BE APPROVED.
- LIGHTING PACKAGES WILL BE REVIEWED FOR GENERAL PROJECT COMPLIANCE ONLY. AN IN-DEPTH REVIEW OF ANY ALTERNATE FIXTURES WILL BE DONE DURING THE SUBMITTAL REVIEW PROCESS. ANY FIXTURES THAT ARE NOT TRULY EQUAL, AND / OR DO NOT COMPLY WITH ALL OF THE REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS, WILL NOT BE APPROVED. IF EQUIPMENT IS DISAPPROVED FOR BIDDING, CONTRACTOR SHALL SUPPLY SPECIFIED EQUIPMENT AT NO EXTRA COST TO THE OWNER.

SPECIAL NOTE:

ALL LIGHT FIXTURES MUST BE ABLE TO SHIP WITHIN 10 DAYS FROM PLACE OF ORDER.

MECHANICAL EQUIPMENT SCHEDULE

UNIT NAME	DESCRIPTION	ELECTRICAL INPUT				FEEDER				STARTER / DISCONNECT / CONNECTION AT UNIT				REMARKS				
		LOAD	TYPE	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	WIRE SIZE	EQPT	GND	STARTER SIZE	DISCONNECT		ENCLOSURE			
CU	1 CONDENSING UNIT	27	MCA	208 V	1	27 A	1	1"	2	6	10	10A	-	35A	2	60	2	NEMA 3R
EF	1 EXHAUST FAN	0.25	HP	120 V	1	5.8 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1
FC	1 FAN COIL UNIT	8.6	MCA	208 V	1	8.6 A	1	3/4"	2	12	12	1A	-	-	-	1HP	1	NEMA 1

STARTER/DISCONNECT/CONNECTION AT UNIT NOTES:

- MANUAL STARTER WITH THERMAL OVERLOAD
- MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL.
- COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
- COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
- COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)
- REDUCED VOLTAGE STARTER
- COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT
- COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- BREAKER AND ENCLOSURE
- DIRECT CONNECTION
- DUPLEX RECEPTACLE OUTLET
- SPECIAL PURPOSE OUTLET
- SHUNT-TRIP DISCONNECT
- TOGGLE SWITCH
- MAGNETIC STARTER
- FUSED ELEVATOR SWITCH
- PROVIDE LATE-MAKE-EARLY-BREAK DISCONNECT

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED.
- REFER TO FEEDER SCHEDULE ON THE ONE-LINE DIAGRAM FOR CONDUIT AND WIRE SIZES.
- ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.
- ELECTRICAL CONTRACTOR SHALL REVIEW OTHER TRADE SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.
- SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

PANELBOARD SCHEDULE

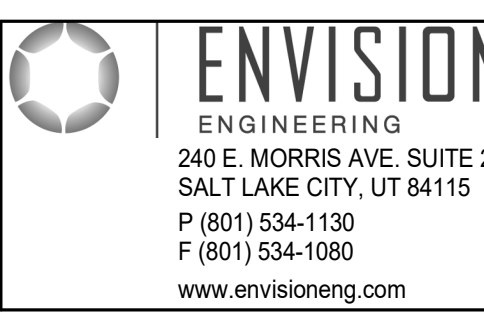
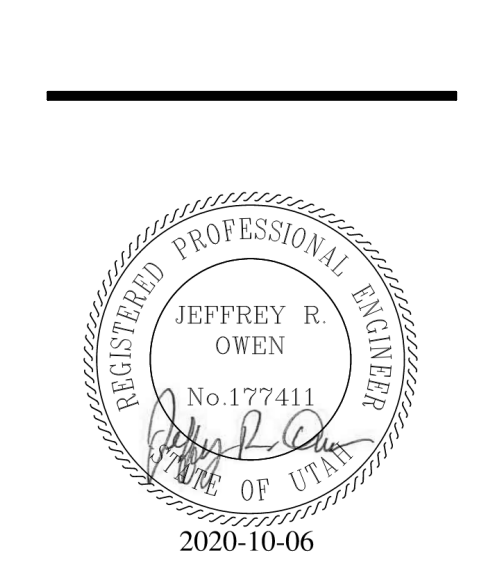
PANEL NAME: PA2		NEW BREAKER	
MOUNTING: SURFACE	VOLTAGE: 120/208 Wye	LOCATION: Space 121	FEED FROM: ENCLOSURES
ENCLOSURE: NEMA 1	PHASE: 3	MAIN TYPE: MLO	SPD: -
DOOR TYPE: DOOR-IN-DOOR (NEW)	WIRES: 4	BUS RATING: 100 A	NEUTRAL RATING: 100% ISOLATED GROUND: -
Min. A.I.C. RATING: 10K		MCB RATING: -	

KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	Type	CKT #	BRANCH BREAKERS			CKT #	Load	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
						A	B	C						
--	CU-1	45 A	2	M	1	2808 VA	1080 VA		2	R	1	20 A	STUDY/LOUNGE 131, 129	
--	DRYER 133	30 A	2	E	5	2500 VA	1500 VA	2808 VA	540 VA	4	R	1	20 A	TEEN CENTER RECEPTION
--	DRYER 132	30 A	2	E	9	2500 VA	1500 VA	2500 VA	1080 VA	6	R	1	20 A	SHOWER/LAUNDRY 133, 132
--	EF-2	20 A	1	M	13	696 VA	0 VA	2500 VA	360 VA	10	M	1	20 A	WASHER 133
--	FC-1	15 A	2	M	15	894 VA	0 VA	2500 VA	360 VA	12	E	1	20 A	CU-1 CONTROLS
--		17 A	--	--	17			894 VA	0 VA	18	--	1	20 A	-SPARE-
TOTAL CONNECTED LOAD PER PHASE (VA)						8584 VA	8242 VA	7334 VA						
TOTAL CONNECTED CURRENT PER PHASE (AMPS)						73 A	70 A	61 A						

TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
P	Panel	0 VA	0.00%	0 VA	
R	Receptacle	12880 VA	88.82%	11440 VA	Total Conn. Load: 24161 VA
L	Lighting	0 VA	0.00%	0 VA	25% OF LARGEST MOTOR:
C	Continuous	0 VA	0.00%	0 VA	Total Est. Demand: 24125 VA
E	Equipment	3000 VA	100.00%	3000 VA	Total Conn. Current: 67 A
M	Motor	8281 VA	116.95%	9695 VA	Total Est. Demand Current: 67 A
K	Kitchen	0 VA	0.00%	0 VA	
O	Other	0 VA	0.00%	0 VA	

PANEL BOARD SCHEDULE KEYED NOTE:

- PROVIDE CLASS A GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER.
- PROVIDE ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER.
- PROVIDE 30 MILLIAMPERE EQUIPMENT GROUND FAULT PROTECTOR TYE CIRCUIT BREAKER.
- PROVIDE SHUNT TRIP CIRCUIT BREAKER WITH 120 V COIL.
- PROVIDE HACR RATED CIRCUIT BREAKER.
- PROVIDE HANDLE CLAMP FOR HOLDING CIRCUIT BREAKER IN THE "ON" OR "OFF" POSITION.
- PROVIDE SWITCHING RATED CIRCUIT BREAKER.
- PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD (WHERE PANEL IS LOCATED AS EXISTING) OF SAME MANUFACTURER AND A.I.C. RATING AS EXISTING.
- EXISTING LOAD
- DEMOLISH EXISTING BREAKER.



REV	DATE	DESCRIPTION
1	10/12/20	ADDENDUM 01

VCBO NUMBER: Project Number
CLIENT NUMBER:
DATE: 10/06/2020

CLEARFILED TEEN CENTER
 DAVIS SCHOOL DISTRICT
 931 S 1000 E, CLEARFILED, UT
 CONSTRUCTION DOCUMENTS

REV	DATE	DESCRIPTION
1	10/12/20	ADDENDUM 01

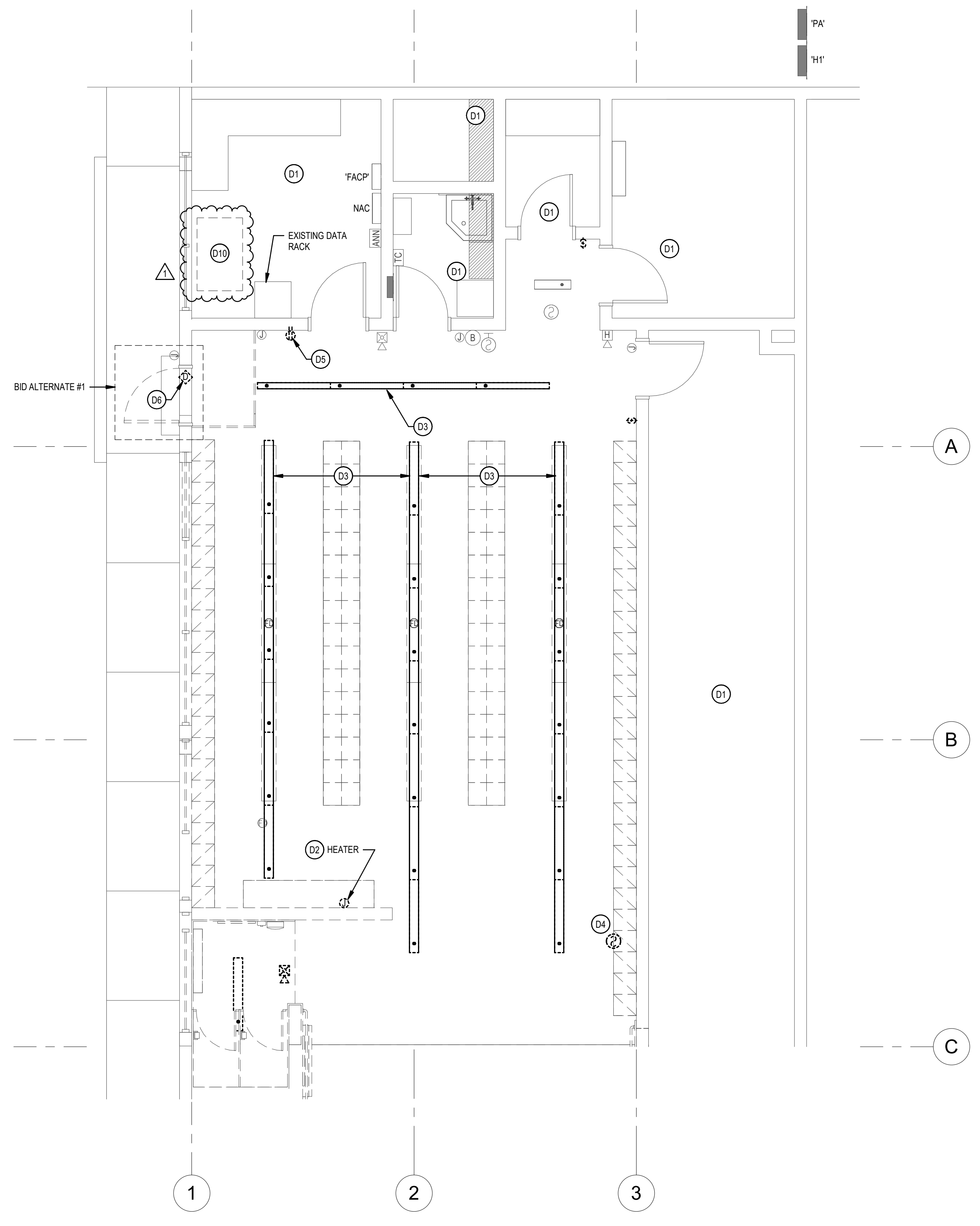
VCBO NUMBER: Project Number
CLIENT NUMBER:
DATE: 10/06/2020

GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND/OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - I. FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.

KEYED NOTES (1)

- D1 ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT IN THIS AREA SHALL REMAIN. PROTECT DEVICES AND CIRCUITS SO THEY REMAIN OPERATIONAL DURING CONSTRUCTION.
- D2 DISCONNECT AND EXTEND CIRCUIT TO NEW LOCATION SHOWN ON MECHANICAL DRAWINGS.
- D3 THE EXISTING ELECTRICAL CIRCUIT SHALL BE USED FOR NEW LIGHTING. EXISTING RELAYS LOCATED IN JUNCTION BOX IN LEVEL 2 MECHANICAL SPACE ASSOCIATED WITH DEMOLISHED LIGHTING SHALL BE REMOVED. UNSWITCHED CIRCUIT CONDUCTORS SHALL BE INTERCEPTED FOR NEW LIGHTING. REFER TO EE101 FOR ADDITIONAL INFORMATION.
- D4 EXISTING FIRE ALARM DEVICE SHALL BE STORED, PROTECTED, AND RELOCATED. REFER TO EE101 FOR NEW LOCATION.
- D5 EXISTING OUTLET SHALL BE REPLACED. UTILIZE EXISTING BOX, RACEWAY, AND CONDUCTORS.
- D6 UTILIZE EXISTING CONDUIT AS POSSIBLE FOR NEW DOOR CONTACT.
- D10 DEMOLISH EXISTING FAN COIL EQUIPMENT CONNECTION AND CIRCUIT BACK TO SOURCE. COMPLETE LABEL BREAKERS AS "SPARE".



LEVEL 01 - DEMOLITION PLAN
SCALE: 1/4" = 1'-0"