

November 28, 2022

Aedis Architects 387 S. First St., Suite 300 San Jose, CA 95113

Subject: Foster City Elementary School HVAC Replacement

San Mateo - Foster City School District

Aedis Project No. 2021011.05 DSA Application #01-120182

ADDENDUM NO. 1

CHANGES AND/OR CLARIFICATIONS OF THE DRAWINGS AND SPECIFICATIONS ARE AS FOLLOWS:

SPECIFICATIONS

ITEM NO. 1.1: SECTION 26 05 11 – ELECTRICAL DEMOLITION

<u>Add:</u> The specification in its entirety per 26 05 11 Electrical Demolition

ITEM NO. 1.2: SECTION 26 05 73 - OVERCURRENT PROTECTION DEVICE COORDINATION AND

ARC FLASH STUDY

Replace: The specification in its entirety per 26 05 73 Over-Current Protection Device

Coordination and Arc Flash Study

DRAWINGS

ARCHITECTURAL

ITEM NO. 1.3: DRAWING SHEET A8.10 – DETAILS

Revise: Detail 19 per AD1-A8.10.

ELECTRICAL

<u>ITEM NO. 1.4:</u> <u>DRAWING SHEET E1.1 – ELECTRICAL SITE PLAN</u>

Revise: Conduit Schedule tag #4 per AD1-E1.1.

<u>ITEM NO. 1.5:</u> <u>DRAWING SHEET E2.3 – DEMOLITION FLOOR PLANS – BLDG K, L, ANNEX & LIBRARY</u>

Revise: Background to make demo notes clear per AD1-E2.3.

ADDENDUM NO. 1 11/28/2022

Foster City Elementary School HVAC Replacement San Mateo – Foster City School District Aedis Project No. 2021011.05

<u>ITEM NO. 1.6:</u> <u>DRAWING SHEET E3.1 – NEW FLOOR PLANS – BLDG A, B, C & D</u>

Revise: Sheet Note #4 per AD1-E3.1.

Revise: Unreadable text to make text legible per AD1-E3.1.

<u>ITEM NO. 1.7:</u> <u>DRAWING SHEET E3.2 – NEW FLOOR PLANS – BLDG E, F, G & H</u>

Revise: Sheet Note #1 per AD1-E3.2.

ITEM NO. 1.8: DRAWING SHEET E4.3 – PANEL SCHEDULES

Revise: Panel names to indicate as new per AD1-E4.3.

<u>ITEM NO. 1.9:</u> <u>DRAWING SHEET E4.4 – PANEL SCHEDULES</u>

Revise: Panel names to indicate as new per AD1-E4.4.

CHISED ARCHITICAL SOLUTION OF CALLED

Aedis Architects
June Yip, Principal



Electrical, American Consulting Engineers Electrical Sammy Fernandez

Division of the State Architect

ADDENDUM NO. 1 11/28/2022

Foster City Elementary School HVAC Replacement San Mateo – Foster City School District Aedis Project No. 2021011.05

Attachments:

Specifications:

26 05 11 - Electrical Demolition (1 pages)

26 05 73 – Over-Current Protection Device Coordination and Arc Flash Study (6 pages)

Drawing:

ARCHITECTURAL:

SHEET AD1-A8.10

ELECTRICAL:

SHEET AD1-E1.1

SHEET AD1-E2.3

SHEET AD1-E3.1

SHEET AD1-E3.2

SHEET AD1-E4.3

SHEET AD1-E4.4

San Mateo-Foster City School District Project No. 2021011.05

Addendum #1

SECTION 26 05 11

ELECTRICAL DEMOLITION

PART 1 - GENERAL

1.1 Description of Work

- A. General Remove all material designated to be removed on the drawings and that is surplus to the needs of the system as may be designated by the Owner's Representative. Specific work shall be provided as specified below:
- B. Remove Existing Equipment Electrical/Fire Alarm Equipment to be removed shall include but not be limited to existing initiating devices, notification devices, conductors, conduit, raceway and other items as shown on the drawings or specified.
- C. Clean Surface Areas Clean all floors, streets, sidewalks, driveways, parking lots and landscaped areas of all trash and debris deposited as a result of the work. Clean daily and maintain the property free of trash and debris.

1.2 Standards and Codes

- A. Work and material shall be in compliance with and according to the requirements of the latest revision of the following standards and codes.
 - 1. California Electrical Code (CEC).

PART 2 - EXECUTION

2.1 Disposal

A. Except where specifically noted otherwise on the drawings or elsewhere in these specifications, the contractor assumes ownership of all material removed from the project site and assumes all responsibility for its proper disposal.

2.2 Cleanup

A. Contractor shall maintain the work site in a neat and orderly state. Contractor shall remove demolition material from the job site daily. No demolition material shall be left on the job site after working hours without written approval from the Owner's Representative.

END OF SECTION

San Mateo-Foster City School District Project No. 2021011.05

Addendum #1

SECTION 26 05 73

OVER-CURRENT PROTECTIVE DEVICE COORDINATION AND ARC FLASH STUDY

PART 1 - GENERAL

1.1 Related Documents

Drawing and general provision of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

1.2 Summary

This Section includes computer-based, arc flash, fault-current and over current protective device coordination studies, and the setting of these devices.

1.3 Submittals

A. Product Data: For computer software program to be used for studies.

B. Other Action Submittals:

- 1. Coordination-study including computed computer program input data sheets.
- 2. Submit completed Coordination Study for review and coordination with data provided by PG&E. If required, revisions shall be made to the completed Coordination Study based upon any revised and/or updated data provided by PG&E. Include in the scope of work, (1) round of review and coordination and (1) revised set of Coordination Study Calculations based upon the PG&E data coordination indicated above.

1.4 Quality Assurances

- A. Studies shall use computer programs that are distributed nationally and are in wide use. Software algorithms shall comply with requirements of standards and guides specified in this Section. Manual calculations are not acceptable.
- B. Coordination-Study Specialist Qualifications: An organization experience in application of computer software used for studies, having performed successful studies in similar magnitude on electrical distribution systems using similar devices.
- C. Comply with IEEE 399 for general study procedures.
- D. Comply with IEEE 242 for short-circuit currents and coordination time intervals.

PART 2 - PRODUCTS

San Mateo-Foster City School District

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Addendum #1

2.1 Computer Software Developers

- A. Available Computer Software Developer: Subject to compliance with requirements, companies offering computer software may be used in Work include, but not are limited, to the following:
- B. CYME International, Inc.
- C. EDSA Micro Corporation.
- D. Electrical System Analysis, Inc.
- E. SKM System Analysis, Inc.

2.2 Computer Software Program Requirements

- A. Comply with IEEE 399
- B. Analytical features of fault-current-study computer program shall include "mandatory," "very desirable," and "desirable" features as listed in IEEE 399, Table 7-4.
- C. Computer software program shall be capable to plotting and diagramming timecurrent-characteristic curves as part of its output. Computer software program shall report devices setting and ratings of all over current protective devices.

PART 3 - EXECUTION

3.1 Examination

- A. Examine Project over current protective devices submittals for compliance with electrical disruption system coordination requirements and other conditions affecting performance.
- B. Proceed with coordination study only after relevant equipment submittals have been assembled. Over current protection devices not submitted for approval with coordination study may not be used in study.

3.2 Coordination Study

- A. Gather and tabulate the following input data to support coordination study.
 - 1. Obtain the required information from the utility company (PG&E). If complete information is not provided, contact the utility company to request any additional information required for the study.
 - 2. Product data for over current protective specified in the Division 26 Sections and involved in over current protective device coordination studies. Use equipment designation tags that are consistent with electrical distribution

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Addendum #1

system diagrams, over current protective device submittals, input and output data, and recommended device setting.

- 3. Impedance of utility service entrance.
- 4. Electrical distribution system diagram showing the following:
 - a. Load current that is the basis for sizing continuous ratings of circuits for cable and equipment.
 - b. Circuit breakers and fuse-current ratings and type.
 - c. Relays and associated power and current transformer rating and ratios.
 - d. Transformer kilovolt ampreses, primary and secondary voltages, connection type, impedance, and X/R ratios.
 - e. Generator kilovolt amperes, size, voltage, and source impedance.
 - f. Cables. Indicate conduit material, size of conductors, conductor insulation, and length.
 - g. Busway ampacity and impedance.
 - h. Motor horsepower and code letter designation according to NEMA MG 1.
 - i. Datasheets to supplement electrical distribution system diagram, cross referenced with tag numbers on diagram.
 - j. Special load considerations, including starting inrush current and frequent starting and stopping.
 - k. Magnetic inrush current overload capabilities of transformers
 - 1. Motor full-load current, locked rotor current, services factor, starting time, type of start, and thermal-damage curve.
 - m. Ratings, type, and setting of utility company's over current protective devices.
 - n. Special over current protective device settings or type stipulated by utility company.
 - o. Time-current-characteristic curves of devices indicated to be coordinated.
 - p. Manufacturer, frames size, interrupting rating in amperes symmetrical, amperes or current sensor rating, long-time adjustment range, short-time adjustment range and instantaneous adjustment range for circuit breakers.

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- q. Manufacturer and type, ampere-tap adjustment range, time-delay adjustment range, instantaneous attachment, and current transformer ratios for over current relays.
- r. Panel boards, switchboards, motor control center ampacity and interrupting rating in amperes rms symmetrical.
- B. Perform coordination study and prepare a written report using the result of fault-current study and approved computer software program. Comply with IEEE 399.
- C. Comply with NFPA 70 for over current protection of circuit elements and devices.
- D. Transformer Primary Over Current Protective Devices:
 - 1. Devices shall not operate in repose to the following:
 - a. Self-cooled, full-load current or forced-air-cooled, full-load current, whichever is specified for that transformer.
 - b. Permissible transformer overloads according to IEEE C57.96 if required by unusual loading or emergency conditions.
 - 2. Devices shall protect transformers according to IEEE C7.12.00, for fault currents.
- E. Conductor Protection: Protect cables against damage from fault currents according to ICEA P-32-382, ICEA P-45-82, and conductor melting curves in IEEE 242. Verify adequacy of phase conductors at maximum three-phase bolted fault currents, equipment grounding conductors, and grounding electrode conductors at maximum ground-fault currents.
- F. Coordination-Study Reports: Prepare a written report indicating the following results of coordination study:
 - 1. Tabular Formatting of Setting Selected for Over Current Protective Devices
 - 2. Device tag:
 - a. Relay-current transformer ratios; and tap, time-dial and instantaneous setting.
 - b. Fuse-current rating and type.
 - c. Ground-fault relay-pickup and time delay setting.
 - 3. Coordination Curves: Prepared to determine setting of over current protective devices to achieve selective coordination. Graphically illustrate that adequate time separation exists between series devices, including power utility company' upstream devices. Show the following specific information:

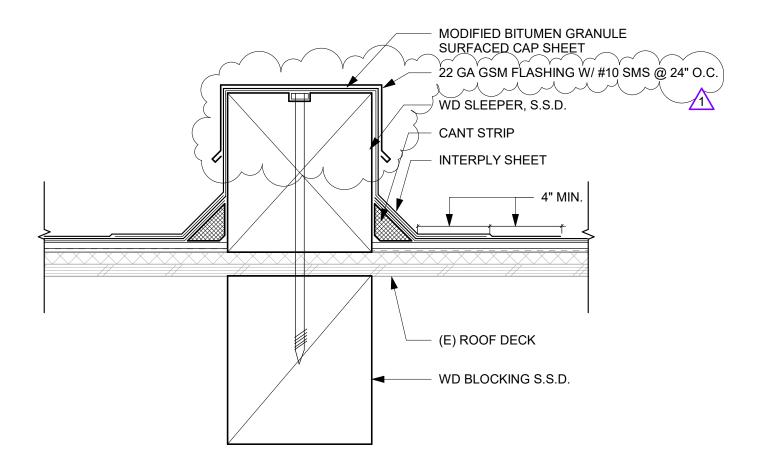
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Addendum #1

- a. Device tags.
- b. Voltage and current ratio for curves.
- c. Three-phase and single-phase damage points for each transformer,
- d. No damage, melting, and clearing curves for fuses,
- e. Cable damage curves
- f. Transformer inrush points
- g. Maximum fault-current cutoff points.
- h. Completed data sheets for setting of over current protective devices.
- Arc Flash Recommendations
- G. Coordination Study Revisions:
 - 1. One revision to the coordination study shall be included in the scope of work.
 - 2. Revision shall include the request of additional information from the utility company (PG&E) as needed.
- 3.3 Over Current Protective Device Setting
 - A. Manufacturer's Field service: Engage a factory-authorized service representative of electrical distribution equipment being set and adjusted, to assist in the setting of over current protective devices within equipment.
 - B. Testing: Perform the following device setting and prepare reports:
 - 1. After installing over current protective devices and during energizing process of electrical distribution system, perform the following:
 - a. Verify that over current protective devices meet parameter used in studies.
 - b. Adjust device to values listed in study results.
 - c. Adjust devices according to recommendations in Chapter 7, "Inspection and Testing Procedures, and "Table 10.7 and 10.8 in NETA ATS.
- 3.4 Arc Flash Labeling
 - A. Provide all required arc flash labeling for the switchgear.

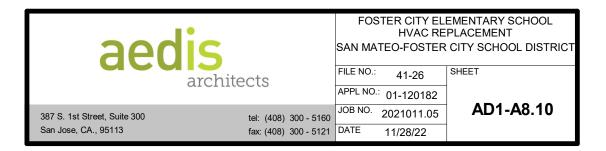
FOSTER CITY ELEMENTARY SCHOOL HVAC REPLACEMENT San Mateo-Foster City School District Project No. 2021011.05 Addendum #1

END OF SECTION



19 BUILT-UP ROOFING CURB FLASHING SCALE: 3" = 1'-0"





PARTIAL CONDUIT SCHEDULE:





1590 The Alameda, Suite 200 San Jose, CA 95126 JOB # EK21087.00

408/236-2312 Fax: 408/236-2316



387 S. 1st Street, Suite 300 San Jose, CA., 95113

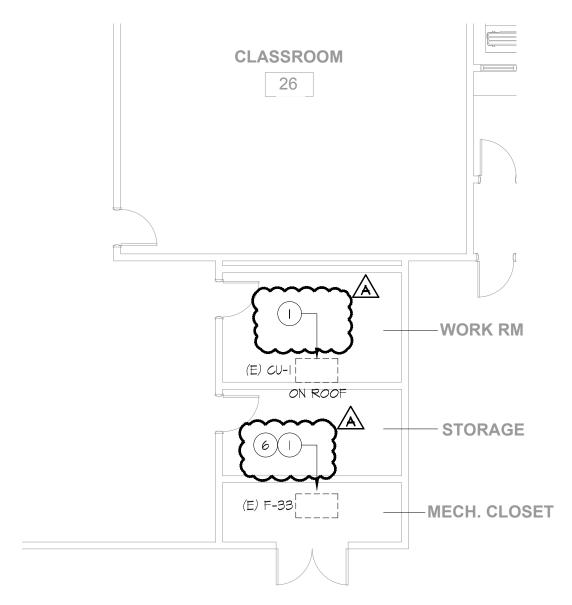
tel: (408) 300 - 5160

APPL NO.: 01-120182 2021011.05 DATE 11/28/22 fax: (408) 300 - 5121

*REFERENCE SHEET E1.1

FOSTER CITY ELEMENTARY SCHOOL **HVAC REPLACEMENT** SAN MATEO-FOSTER CITY SCHOOL DISTRICT FILE NO.: SHEET 41-26

AD1-E1.1



PARTIAL DEMOLITION FLOOR PLAN -LIBRARY BUILDING

4 E2.3

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



American Consulting Engineers Electrical, Inc.

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408/236-2312 Fax: 408/236-2316

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41-26 APPL NO.: 01-120182 JOB NO. 2021011.05 DATE 11/28/22

FILE NO.:

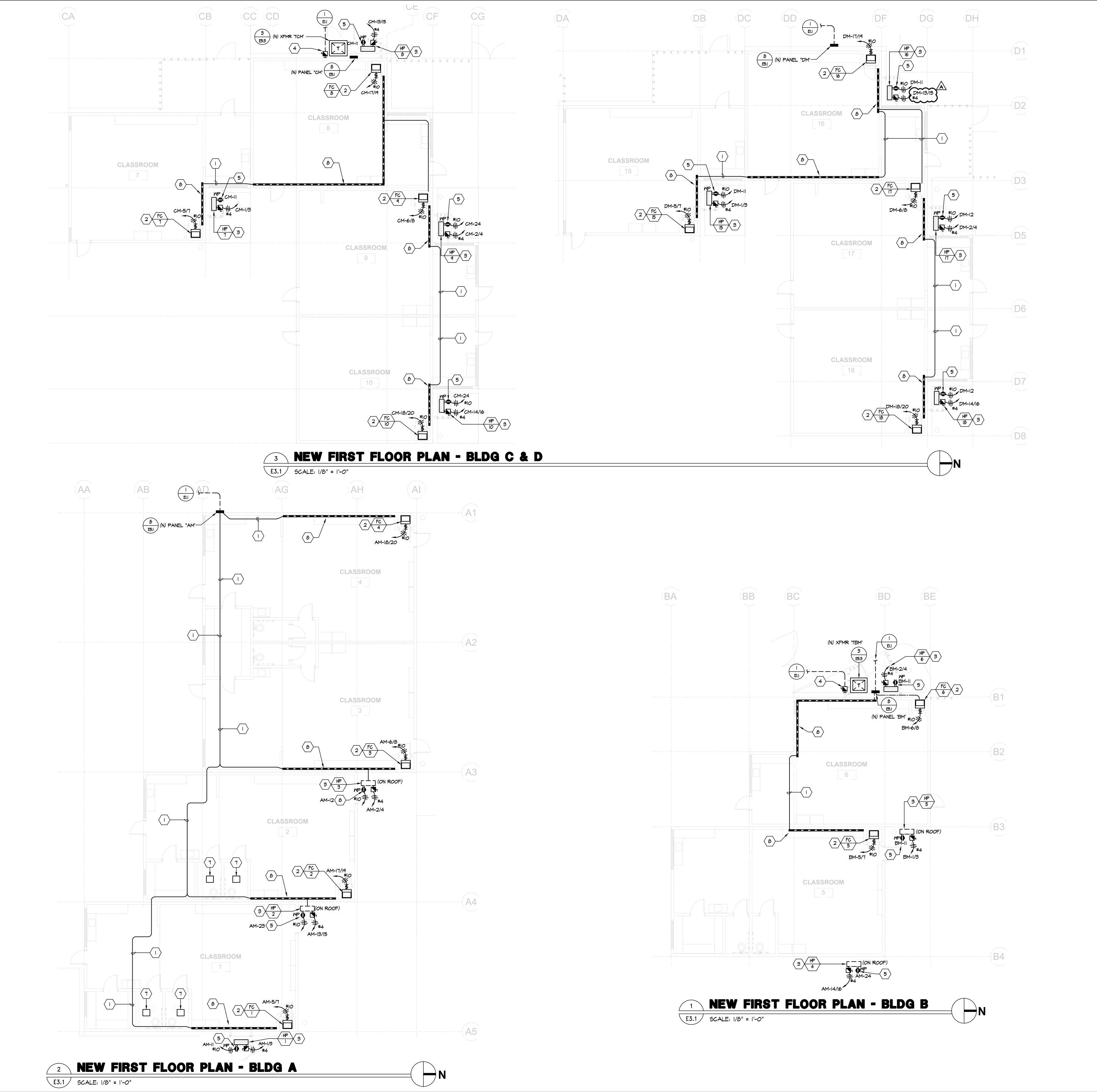
AD1-E2.3

*REFERENCE SHEET E2.3 FOSTER CITY ELEMENTARY SCHOOL

HVAC REPLACEMENT

SAN MATEO-FOSTER CITY SCHOOL DISTRICT

SHEET



GENERAL NOTES:

- ALL CONDUITS SHALL BE ROUTED CONCEALED IN CEILING BELOW WHERE POSSIBLE. ALL EXPOSED CONDUITS SHALL BE
- 2. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND POINTS OF CONNECTION FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR. ADJUST LOCATION AND
- CONNECTION POINTS AS NEEDED.
- 3. SEE PANEL SCHEDULES AND SINGLE LINE DIAGRAM FOR POWER CONNECTION REQUIREMENTS.
- COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL REQUREMENTS.
- 5. FUSED AND UNFUSED DISCONNECT SWITCHES SHALL BE 600V RATED, HEAVY DUTY CYCLE. FUSES FOR MECHANICAL UNITS SHALL BE SIZED PER THE MANUFACTURER'S RECOMMENDATION.
- 6. PROVIDE CONDUIT ROOF PENETRATIONS REQUIRED. COORDINATE ROOF PENETRATION LOCATIONS WITH MECHANICAL'S PIPING ROOF PENETRATIONS. ROOF PENETRATION SHALL BE PER DETAIL 4/MP6.01.
- WHERE DUAL CHANNEL SURFACE MOUNTED RACEWAY IS REQUIRED, PROVIDE WIREMOLD #5400 RACEWAY.
- 8. MULTIPLE CONDUCTORS ROUTED IN SHARED CONDUITS OR SHARED RACEWAY CHANNELS SHALL BE DERATED PER THE CEC TABLE 310.15 (B) (3) (a).
- 9. IN BUILDING A, B, C AND D, EACH BUILDING HAS EXISTING CIRCUITS THAT ARE FED FROM PANELS THAT ARE LOCATED AT THEIR BUILDING AND PANELS THAT ORIGINATE FROM OTHER BUILDINGS. CONTRACTORS SHALL PROVIDE ENGRAVED LABELS FOR ALL EXISTING AND NEW PANELS IN EACH BUILDINGS INDICATING THE
- 10. A MAXIMUM OF (9) CURRENT CARRYING CONDUCTORS SHALL BE ROUTED IN EACH CHANNEL OF THE DUAL CHANNEL RACEMAY.

SHEET NOTES:

- \langle | \rangle ROUTE CONDUITS IN THE ABOVE ACCESSIBLE T-BAR CEILING SPACE.
- NEW 30A-2P, NEMA-I, MOTOR-RATED DISCONNECT SWITCH FOR MECHANICAL UNIT.
- NEW 60A-2P, NEMA-3R, FUSED DISCONNECT SWITCH FOR MECHANICAL **→**
- NEW 200A-3P, NEMA-3R, FUSED DISCONNECT SWITCH.
- PROVIDE NEW WEATHERPROOF GFCI RECEPTACLE. RECEPTACLE SHALL BE MOUNTED ON A WEATHERPROOF BOX WITH WHILE-IN-USE COVER. COVER SHALL BE INTERMATIC WPIOIMXD "BOSS".
- ROUTE CONDUITS CONCEALED ABOVE THE RESTROOM'S HARD LID CEILING. PROVIDE ACCESS HATCH REQUIRED TO ACCESS THE SPACE ABOVE AND INSTALL THE CONDUITS.
- PROVIDE NEW DUAL CHANNEL SURFACE MOUNTED RACEWAY TO ROUTE POWER EXPOSED IN THE CLASSROOMS.

architects

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fax: (408)-300-5121 PROJECT

FOSTER CITY **ELEMENTARY** SCHOOL - HVAC REPLACEMENT

SAN MATEO-FOSTER CITY SCHOOL DISTRICT

CONSULTANT



American Consulting Engineers Electrical, Inc. 1590 The Alameda, Suite 200 San Jose, CA 95126 JOB # EK21087.00

STATE DSA FILE NUMBER

01-120182 REVISIONS

No. Description Date

MILESTONES

BACKCHECK

SD 03/07/2022 90% CD 04/01/2022 DSA SUB 04/12/2022

10/24/2022

SHEET **NEW FLOOR**

PLANS -BLDG A, B, C & D

11/28/2022 ^{JOB #} 2021011.05

AD1-E3.1

BUILDING KEY

PARTIAL SHEET NOTES:





1590 The Alameda, Suite 200 San Jose, CA 95126 JOB # EK21087.00

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E16890
Exp. 06/30/2



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FOSTER CITY ELEMENTARY SCHOOL
HVAC REPLACEMENT
SAN MATEO-FOSTER CITY SCHOOL DISTRICT

SHEET

FILE NO.: 41-26

APPL NO.: 01-120182

JOB NO. 2021011.05 DATE 11/28/22 AD1-E3.2

*REFERENCE SHEET E3.2

(N) B2 480/277V 3 4 NEMA 1 SURFACE	LOAD													FED FROM: MS MAIN C/B: 22	5 AMP
3 4 N⊟MA 1															
NEMA 1														BUSSING: 22	SAMP
														MIN. AIC: 22	
SURFACE														SUB-FEED C/B: 11	0A-3P
														FEED THRU LUGS: NO)
					СВ	CKT	PH		CB	LOADT		<u>_</u>			
	+	REC	MTR	NCL	AMP/P	#		#	AMP/P	LTG	REC	MTR	NCL	CIRCUIT DESCRIPTION	
	1.00				20A/1P	1	Α	2	20A/1P	1.00				(E) LTG - E100, E103	
	1.00				20A/1P	3	В	4	20A/1P	1.00				(E) LTG - E106, E109	
					20A/1P	5	С	6	20A/1P	1.00				(E) LTG - BUILDING J	
					20A/1P	7	Α	8	20A/1P					SPARE	
					20A/1P	9	В	10	20A/1P					SPARE	
					20A/1P	11	С	12	20A/1P					SPARE	
					20A/1P	13	Α	14	20A/1P					SPARE	
					20A/1P	15	В	16	20A/1P					SPARE	
					20A/1P	17	С	18	20A/1P					SPARE	
					20A/1P	19	Α	20	20A/1P					SPARE	
					20A/1P	21	В	22	20A/1P					SPARE	
					20A/1P	23	С	24	20A/1P					SPARE	
					20A/1P	25	Α	26	20A/1P					SPACE	
					20A/1P	27	В	28	20A/1P					SPACE	
					20A/1P	29	С	30	20A/1P					SPACE	
					20A/1P	31	Α	32	20A/1P					SPACE	
					20A/1P	33	В	34	20A/1P					SPACE	
					20A/1P	35	С	36	20A/1P					SPACE	
R)		4.32		13.89	20A/1P	37	Α	38	20A/1P					SPACE	
		3.24		15.18	20A/1P	39	В	40	20A/1P					SPACE	
		3.60		12.23	20A/1P	41	С	42	20A/1P					SPACE	
	2.0	11.2	0	41.3						3.0	0	0	0		
CONNECTED KVA	DEMAN	ID FACT	OR	DEMAN	ID KVA	1	[•	Yes/No			KVA PHASE A (CONNECTED)	20.2
5.0		1.25			6.3				FULL RA	TEDAIC	Υ				20.4
10.0		1.00			10.0			;	SERIES RAT		N			,	16.8
10		0.50		1	0.0	1	- 1			CDD	- KI			CLID FEED COMMECTED LOAD	
1.2		0.50			0.6]								SOB LEED CONNECTED FOAD	
0 0		0.50 1.25 1.00			0.6				COPPER BI	USSING	Y			TOTAL DEMAND KVA	58.1
	ONNECTED KVA 5.0 10.0	2.0 CONNECTED KVA DEMAN 5.0 10.0	3.24 3.60 2.0 11.2 CONNECTED KVA DEWAND FACT 5.0 1.25 10.0 1.00	3.24 3.60 2.0 11.2 0 CONNECTED KVA DEMAND FACTOR 5.0 1.25 10.0 1.00	3.24 15.18 3.60 12.23 2.0 11.2 0 41.3 CONNECTED KVA DEMAND FACTOR DEMAN 5.0 1.25 10.0 1.00	20A/1P	20A/1P 21 20A/1P 23 20A/1P 25 20A/1P 25 20A/1P 27 20A/1P 29 20A/1P 31 20A/1P 31 20A/1P 33 20A/1P 35 20A/1P 35 3.24 15.18 20A/1P 37 3.24 15.18 20A/1P 39 3.60 12.23 20A/1P 41 2.0 11.2 0 41.3 CONNECTED KVA DEMAND FACTOR DEMAND KVA 5.0 1.25 6.3 10.0 10.0	20A/1P 21 B 20A/1P 23 C 20A/1P 25 A 20A/1P 27 B 20A/1P 27 B 20A/1P 29 C 20A/1P 31 A 20A/1P 31 A 20A/1P 33 B 20A/1P 35 C 20A/1P 35 C 20A/1P 35 C 20A/1P 36 C 20A/1P 37 A 20A/1P 39 B 20A/1P 30 B 20A/1P 30 B 20A/1P 37 A 20A/1P	20A/1P 21 B 22 20A/1P 23 C 24 20A/1P 25 A 26 20A/1P 27 B 28 20A/1P 27 B 28 20A/1P 31 A 32 20A/1P 31 A 32 20A/1P 33 B 34 20A/1P 35 C 36 20A/1P 35 C 36 20A/1P 35 C 36 20A/1P 37 A 38 3.24 15.18 20A/1P 39 B 40 3.60 12.23 20A/1P 39 B 40 2.0 11.2 0 41.3 20NNECTED KVA DEMAND FACTOR DEMAND KVA 5.0 1.25 6.3 10.0 10.0	20A/1P 21 B 22 20A/1P 20A/1P 23 C 24 20A/1P 20A/1P 25 A 26 20A/1P 20A/1P 27 B 28 20A/1P 20A/1P 29 C 30 20A/1P 20A/1P 31 A 32 20A/1P 20A/1P 33 B 34 20A/1P 20A/1P 35 C 36 20A/1P 20A/1P 35 C 36 20A/1P 36 20A/1P 37 A 38 20A/1P 38 20A/1P 39 B 40 20A/1P 36 20A/1P 36 20A/1P 37 A 38 20A/1P 38 38 38 38 38 38 38 3	20A/1P 21 B 22 20A/1P 20A/1P 23 C 24 20A/1P 20A/1P 25 A 26 20A/1P 20A/1P 27 B 28 20A/1P 20A/1P 29 C 30 20A/1P 20A/1P 29 C 30 20A/1P 20A/1P 31 A 32 20A/1P 20A/1P 31 A 32 20A/1P 20A/1P 33 B 34 20A/1P 20A/1P 35 C 36 20A/1P 20A/1P 35 C 36 20A/1P 20A/1P 35 C 36 20A/1P 36 20A/1P 37 A 38 20A/1P 38 A 38 20A/1P 39 B A	20A/1P 21 B 22 20A/1P			

	~~~\ ^A	7													
PANEL NAME:	(N) AM	_													FED FROM: BM
VOLTAGE:	206/120V	_													MAIN C/B: 225 AMP
PHASE:	3	_													BUSSING: 225 AMP
WRE:	4	_													MIN. AIC: 22,000
TYPE:	NEMA 1														SUB-FEED C/B:
MOUNTING:	SURFACE	II OV D	TYPE (K	3//)		СВ	CKT		CKT	СВ	II OV D	TYPE (K	\/^\		FEED THRU LUGS: YES
CIRCUIT DESCRIPTION		LTG	REC	MTR	NCL	AMP/P	#	PIT	#	AMP/P	LTG	•	MTR	NCL	CIRCUIT DESCRIPTION
(N) HEAT PUMP 1 - CLASSROOM 1					3.74	50A	1	Α	2	50A				3.74	(N) HEAT PUMP 3 - CLASSROOM 3
					3.74	2P	3	В	4	2P	,			3.74	
(N) FAN COIL 1 - CLASSROOM 1					0.89	15A	5	С	6	15A				0.89	(N) FAN COIL 3 - CLASSROOM 3
					0.89	2P	7	Α	8	2P				0.89	
SPARE						20A/1P	9	В	10	20A/1P					SPARE
(N) REC. CLASSROOM 1			0.18			20A/1P	11	С	12	20A/1P		0.18			(N) REC. CLASSROOM 3
(N) HEAT PUMP 2 - CLASSROOM 2					3.74	50A	13	Α	14	50A				3.74	(N) HEAT PUMP 4 - CLASSROOM 4
					3.74	2P	15	В	16	2P	)			3.74	
(N) FAN COIL 2 - CLASSROOM 2					0.89	15A	17	С	18	15A				0.89	(N) FAN COIL 4 - CLASSROOM 4
					0.89	2P	19	Α	20	2P				0.89	
SPARE						20A/1P	21	В	22	20A/1P					SPARE
(N) REC. CLASSROOM 2			0.18			20A/1P	23	С	24	20A/1P		0.18			(N) REC. CLASSROOM 4
SPARE						20A/1P	25	Α	26	20A/1P					SPARE
SPARE						20A/1P	27	В	28	20A/1P					SPARE
SPARE						20A/1P	29	С	30	20A/1P					SPARE
SPARE						20A/1P	31	Α	32	20A/1P					SPARE
SPARE						20A/1P	33	В	34	20A/1P					SPARE
SPARE						20A/1P	35	С	36	20A/1P					SPARE
SPARE						20A/1P	37	Α	38	20A/1P					SPARE
SPARE						20A/1P	39	В	40	20A/1P					SPARE
SPARE						20A/1P	41	С	42	20A/1P					SPARE
		0	0.4	0	18.5	]					0	0.4	0	18.5	
LOAD SUMMARY	CONNECTED KVA	DEMAN	ND FACT	OR	DEMAN	ID KVA						Yes/No	1		KVA PHASE A (CONNECTED) 18.5
(LTG) LIGHTING X 125%	0		1.25			0.0				FULL RA	TED AIC	Υ			KVA PHASE B (CONNECTED) 15.0
(REC) RECEPTS PER 220.44;	0.7		1.00			0.7				SERIES RA	TED AIC	N			KVA PHASE C (CONNECTED) 4.3
10KVA x 100% + REMAINDER x 50%	0		0.50			0.0					SPD				SUB FEED CONNECTED LOAD
(MTR) LARGEST MOTOR X 125%	0		1.25			0.0				COPPER B					
+ REMAINING MOTORS x 100%	0		1.00			0.0			Α	LUMINUM B	USSING	N			TOTAL DEMAND KVA 37.8
(NCL) NON CONTINOUS LOAD x 100%	37.0		1.00		1	37.0	1								TOTAL LOAD AMPERES 104.9

PANEL NAME:	(N) A1M	_													FED FROM: (E) F		
VOLTA GE:	208/120V	_													MAIN C/B: MLC	)	
PHASE:	3	-													BUSSING: 225	AMP	
MRE	4	_													MIN. A IC: 22,0	00	
TYPE:	N⊟MA 1	_													SUB-FEED C/B:		
MOUNTING:	SURFACE														FEED THRU LUGS: YES	,	
CIRCUIT DESCRIPTION		LOAD T	TYPE(K REC	VA) MTR	NCL	CB AMP/P	CKT #	PH	CKT #	CB AMP/P	LOAD .	TYPE(K REC	VA) MTR	NCL	CIRCUIT DESCRIPTION		
N) VHP-G-1 - CLASSROOM 29A		1	1.20		3.32	50A	1	A	2	50A					(N) HEAT PUMP 31 - CLASSROOM 31		
					3.32	2P		В	4	2P				3.74	U U U U		
N) FAN COIL G-1/G-2/G-3					0.89	15A	5	С	6	15A					(N) FAN COIL 31 - CLASSROOM 31		
					0.89	2P	7	Α	8	2P							
N) CONDENSATE PUMP - G-1/G-3					0.20	20A/1P	9	В	10	20A/1P					SPARE		
N) REC. CLASSROOM 28			0.18			20A/1P	11	С	12	20A/1P		0.18			(N) REC. CLASSROOM 31		
N) HEAT PUMP 30 - CLASSROOM 30					3.74	50A	13	Α	14	50A				3.74	(N) HEAT PUMP 32 - CLASSROOM 32		
					3.74	2P	15	В	16	2P				3.74			
(N) FAN COIL 30 - CLASSROOM 30					0.89	15A	17	С	18	15A				0.89	(N) FAN COIL 32 - CLASSROOM 32		
					0.89	2P	19	Α	20	2P				0.89			
SPARE						20A/1P	21	В	22	20A/1P					SPARE		
(N) REC. CLASSROOM 30			0.18			20A/1P	23	С	24	20A/1P		0.18			(N) REC. CLASSROOM 32		
SPARE						20A/1P	25	Α	26	25A					(N) SSO-G-1		
SPARE						20A/1P	27	В	28	2P				1.66			
SPARE						20A/1P	29	С	30	20A/1P				0.10	(N) CONDENSATE PUMP - SSI-G-1		
SPARE						20A/1P	31	Α	32	20A/1P					SPARE		
SPARE						20A/1P	33	В	34	20A/1P					SPARE		
SPARE						20A/1P	35	С	36	20A/1P					SPARE		
SPARE						20A/1P	37	Α	38	20A/1P					SPARE		
SPARE						20A/1P	39	В	40	20A/1P					SPARE		
SPARE						20A/1P	41	С	42	20A/1P					SPARE		
		0	0.4	0	17.9	]					0	0.4	0	21.9	J		
LOAD SUMMARY	CONNECTED KVA	DEMAN	ID FACT	OR	DEMAI	ND KVA	]	[				Yes/No			KVA PHASE A (CONNECTED)	19.8	
(LTG) LIGHTING X 125%	0		1.25			0.0				FULL RAT	TED AIC	Υ			KVA PHASE B (CONNECTED)	16.4	
(REC) RECEPTS PER 220.44;	0.7		1.00			0.7	]			SERIES RAT	TED AIC	Ν			KVA PHASE C (CONNECTED)	4.4	
10KVA x 100% + REMAINDER x 50%	0		0.50			0.0					SPD				SUB FEED CONNECTED LOAD		
(MTR) LARGEST MOTOR X 125%	0		1.25			0.0				COPPER BI							
+ REMAINING MOTORS x 100%	0		1.00			0.0			Al	LUMINUM BI	USSING	N			TOTAL DEMAND KVA	40.5	
(NCL) NON CONTINOUS LOAD x 100%	39.8		1.00			39.8	l	•							TOTAL LOAD AMPERES	112.6	

PANEL NAME:	(E)B1 (Section 2)														FED FROM:	FEED THRU LUG
VOLTAGE:	208/120V	_														
PHASE:	3	_													BUSSING:	400 AMP
WIRE:	4	_													MIN. AIC:	
TYPE:	NEMA 1	_													SUB-FEED C/B:	,
MOUNTING:	SURFACE														FEED THRU LUGS:	NO
(E) REC H115						20A/1P	43	Α	44	(N)50A				3.74	(N) HEAT PUMP 14 - CLASSROOM 14	
(E) REC H115						20A/1P	45	В	46	2P				3.74		
(E) REC H115						20A/1P	47	С	48	(N)50A				3.74	(N) HEAT PUMP 13 - CLASSROOM 13	
(E) REC H115						20A/1P	49	Α	50	2P				3.74		
(E) REC H115						20A/1P	51	В	52	(N)50A				3.74	(N) HEAT PUMP 11 - CLASSROOM 11	
(E) REC H115						20A/1P	53	С	54	2P				3.74	" " " " "	
(E) PROJECTOR - H115/H118						20A/1P	55	Α	56	20A/1P					(E) REC IDF	
SPARE						20A/1P	57	В	58	20A/1P					(E) REC IDF	
SPARE						20A/1P	59	С	60	20A/1P					SPARE	
SPARE						20A/1P	61	Α	62	20A/1P					(E) EF 4 & 5	
SPARE						20A/1P	63	В	64	20A/1P					(E) EF 3	
SPARE						20A/1P	65	С	66	20A/1P					(E) EF 1 & 2	
(N) FAN COIL 13 - CLASSROOM 13					0.89	(N)15A	67	Α	68	(N)50A				3.74	(N) HEAT PUMP 12 - CLASSROOM 12	
					0.89	2P	69	В	70	2P				3.74	H H H H	
(N) SSO-H-1						(N)30A	71	С	72	(N)15A				0.89	(N) FAN COIL 11 - CLASSROOM 11	
					2.08	2P	73	Α	74	2P				0.89	" " " "	
(N) CONDENSATION PUMP SSI-H-1					0.10	(N)20A/1P	75	В	76	(N)15A				0.89	(N) FAN COIL 12 - CLASSROOM 12	
(N) WP REC.			0.72			(N)20A/1P	77	С	78	2P				0.89	" " " "	
SPARE						20A/1P	79	Α	80	(N)15A					(N) FAN COIL 14 - CLASSROOM 14	
SPARE						20A/1P	81	В	82	2P				0.89	" " " "	
SPARE						20A/1P	83	C	84	20A/1P					SPARE	
		0	0.7	0	6.0						0	0	0	35.3		
LOAD SUMMARY	CONNECTED KVA	DEMAI	ND FAC	OR	DEMAN	ID KVA						Yes/No			KVA PHASE A (CONNECTED)	16.0
(LTG) LIGHTING X 125%	0		1.25			0.0				FULL RAT	TED AIC	Υ			KVA PHASE B (CONNECTED)	14.0
(REC) RECEPTS PER 220.44;	0.7		1.00			0.7				SERIES RAT	TED AIC	Ν			KVA PHASE C (CONNECTED)	12.1
10KVA x 100% + REMAINDER x 50%	0		0.50			0.0					SPD	Ν			SUB FEED CONNECTED LOAD	
(MTR) LARGEST MOTOR X 125%	0		1.25			0.0				COPPER BI	USSING	Υ				
+ REMAINING MOTORS x 100%	0		1.00			0.0			Α	LUMINUM BI	USSING	Ν			TOTAL DEMAND KVA	42.0
(NCL) NON CONTINOUS LOAD x 100%	41.3		1.00 41.3				TOTAL LOAD AMPERES 116.7									

PANEL NAME:	(E)B2A (Section 1)														FED FROM: (N) PNL B2
/OLTAGE	208/120V	-													MAIN C/B: (N) 225A/3F
PHASE:	3	_													BUSSING: 400 AMP
MRE:	4	_													MIN. AIC: 10,000
YPE	NEMA 1	_													SUB-FEED C/B:
MOUNTING:	SURFACE														FEED THRU LUGS: YES
MOSITING.	33147732	LOAD	TYPE (K	VAI		СВ	CKT	Трн	CKT	СВ	I OAD I	TYPE(K	(A)		1 11 11 11 10 10 10 10 11 11 11 11 11 11
CIRCUIT DESCRIPTION		LTG	REC	MTR	NCL	AMP/P	#	ll	#	AMP/P	LTG	REC	MTR	NCL	CIRCUIT DESCRIPTION
E) REC D100		L10	0.36	IVITIX	INCL	20A/1P	1	_		20A/1P	LIG	0.36	IVIIIX	INCL	(E) REC E101
								A	2						<u> </u>
E) REC D100			0.36			20A/1P	3	В	4	20A/1P		0.36			(E) REC E101
E) REC D100			0.36			20A/1P	5	С	6	20A/1P		0.36			(E) REC E101
E) REC D103			0.36			20A/1P	7	Α	8	20A/1P		0.36			(E) REC E104
E) REC D103			0.36			20A/1P	9	В	10	20A/1P		0.36			(E) REC E104
E) REC D103			0.36			20A/1P	11	C	12	20A/1P		0.36			(E) REC E104
E) REC D106			0.36			20A/1P	13	Α	14	20A/1P		0.36			(E) REC E107
E) REC D106			0.36			20A/1P	15	В	16	20A/1P		0.36			(E) REC E107
E) REC D106			0.36			20A/1P	17	С	18	20A/1P		0.36			(E) REC E107
E) REC D109			0.36			20A/1P	19	A	20	20A/1P		0.36			(E) REC E110
E) REC D109			0.36			20A/1P	21	В	22	20A/1P		0.36			(E) REC E110
(E) REC D109		<del>                                     </del>	0.36			20A/1P	23	C	24	20A/1P		0.36			(E) REC E110
. ,		<u> </u>						_							( )
E) PROJECTOR - BUILDING D		<u> </u>	0.36		0 = 1	20A/1P	25	A	26	20A/1P		0.36			(E) PROJECTOR - BUILDING E
N) HEAT PUMP 19 - CLASSROOM 19		<b></b>				(N)50A	27	В	28	20A/1P		0.36			(E) REC IDF
		<u> </u>			3.74	2P		С	30	20A/1P		0.36			(E) REC ELECTRICAL ROOM
N) FAN COIL 19 - CLASSROOM 19						(N)15A	31	Α	32	(N)50A					(N) HEAT PUMP 22 - CLASSROOM 22
					0.89	2P	33	В	34	2P				3.74	
N) HEAT PUMP 21 - CLASSROOM 21					3.74	(N)50A	35	С	36	(N)15A				0.89	(N) FAN COIL 22 - CLASSROOM 22
					3.74	2P	37	Α	38	2P				0.89	n n n n
N) FAN COIL 21 - CLASSROOM 21					0.89	(N)15A	39	В	40	20A/1P					SPARE
					0.89	2P		c	42	20A/1P					SPARE
PANEL NAME:	(E)B2A (Section 2)				0.00	۷.	7.		72	20/1/11					FED FROM: FEED THRU
	_ , , , , ,	_													
VOLTAGE:	208/120V	_													
PHASE	3														BUSSING: 400 AMP
		_													
MRE	4	_													MIN. AIC: 10,000
		-													
TYPE:	4	-													MIN. AIC: 10,000
TYPE: MOUNTING:	4 NEMA 1	- - T				20A/1P	43	T A T	44	20A/1P		Γ			MIN. AIC: 10,000 SUB-FEED C/B:
TYPE: MOUNTING: E) F - 9	4 NEMA 1	- -						-							MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13
TYPE: MOUNTING: (E) F - 9 (E) F - 10	4 NEMA 1	-				20A/1P	45	В	46	20A/1P					MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO (E) F - 13 (E) F - 14
TYPE: MOUNTING: E) F - 9 E) F - 10 E) F - 11	4 NEMA 1					20A/1P 20A/1P	45 47	ВС	46 48	20A/1P 20A/1P					MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15
WIRE: TYPE: MOUNTING: (E) F - 9 (E) F - 10 (E) F - 11	4 NEMA 1					20A/1P 20A/1P 20A/1P	45 47 49	B C A	46 48 50	20A/1P 20A/1P 20A/1P					MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16
TYPE: MOUNTING: (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 SPARE	4 NEMA 1					20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51	B C A B	46 48 50 52	20A/1P 20A/1P 20A/1P 20A/1P					MIN. AIC. 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22
FY PE: MOUNTING:  (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 (E) FARE (E) EF CONT.	4 NEMA 1					20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53	B C A B C	46 48 50 52 54	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P					MIN. AIC. 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11
FY PE: MOUNTING:  (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 (E) FARE (E) EF CONT.  N) HEAT PUMP 20 - CLASSROOM 20	4 NEMA 1					20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A	45 47 49 51 53 55	B C A B	46 48 50 52 54 56	20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC.
FY PE: MOUNTING:  (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 (E) FARE (E) EF CONT.  N) HEAT PUMP 20 - CLASSROOM 20	4 NEMA 1				3.74	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A	45 47 49 51 53 55 57	B C A B C A B	46 48 50 52 54 56	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC. 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11
MOUNTING:  E) F - 9  E) F - 10  E) F - 11  E) F - 12  SPARE  E) EF CONT.  N) HEAT PUMP 20 - CLASSROOM 20	4 NEMA 1				3.74	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A	45 47 49 51 53 55	B C A B C A B	46 48 50 52 54 56	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC.
TY PE: MOUNTING: (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 SPARE	4 NEMA 1				3.74	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A	45 47 49 51 53 55 57	B C A B C A B	46 48 50 52 54 56 58	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF'S 21 & 22 (E) EF'S 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1
MOUNTING:  E) F - 9  E) F - 10  E) F - 11  E) F - 12  SPARE  E) EF CONT.  N) HEAT PUMP 20 - CLASSROOM 20  """""""""""""""""""""""""""""""""""	4 NEMA 1				3.74 0.89 0.89	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P	45 47 49 51 53 55 57 59	B C A B C A B C	46 48 50 52 54 56 58 60 62	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1 SPARE SPARE
N FAN COIL 20 - CLASSROOM 20  N) SSO-E-1	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A	45 47 49 51 53 55 57 59 61 63	B C A B C A B C A B	46 48 50 52 54 56 58 60 62 64	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE SPARE SPARE SPARE
MOUNTING:  E) F - 9  E) F - 10  E) F - 11  E) F - 12  SPARE  E) EF CONT.  N) HEAT PUMP 20 - CLASSROOM 20  N) FAN COIL 20 - CLASSROOM 20  N) SSO-E-1	4 NEMA 1				3.74 0.89 0.89	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A	45 47 49 51 53 55 57 59 61 63 65	B C A B C A B C	46 48 50 52 54 56 58 60 62 64 66	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE SPARE SPARE SPARE SPARE SPARE
Y PE MOUNTING:  (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 (E) FARE (E) EF CONT. (N) HEAT PUMP 20 - CLASSROOM 20 (F) FAN COIL 20 - CLASSROOM 20 (F) FAN COI	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67	B C A B C A B C A	46 48 50 52 54 56 58 60 62 64 66 68	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE
MOUNTING:  (B) F - 9 (B) F - 10 (B) F - 11 (B) F - 12 (SPARE (B) EF CONT. (N) HEAT PUMP 20 - CLASSROOM 20 (C) (C) (C) (C) (N) FAN COIL 20 - CLASSROOM 20 (C) (C) (C) (C) (N) SSO-E-1 (C) (	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67	B C A B C A B C A B	46 48 50 52 54 56 58 60 62 64 66 68 70	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
MOUNTING:  (B) F - 9 (B) F - 10 (B) F - 11 (B) F - 12 (SPARE (B) EF CONT. (N) HEAT PUMP 20 - CLASSROOM 20 (C) (C) (C) (C) (N) FAN COIL 20 - CLASSROOM 20 (C) (C) (C) (C) (N) SSO-E-1 (C)	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69	B C A B C A B C A B C	46 48 50 52 54 56 58 60 62 64 66 68 70	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
MOUNTING:  (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 (E) F - 12 (E) F - 12 (E) F - CONT. (N) HEAT PUMP 20 - CLASSROOM 20 (F) F - F - F - F - F - F - F - F - F - F	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71	B C A B C A B C A B	46 48 50 52 54 56 58 60 62 64 66 68 70 72	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
MOUNTING:  E) F - 9  E) F - 10  E) F - 11  E) F - 12  SPARE  E) EF CONT.  N) HEAT PUMP 20 - CLASSROOM 20  """""""""""""""""""""""""""""""""""	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69	B C A B C A B C A B C	46 48 50 52 54 56 58 60 62 64 66 68 70	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
MOUNTING:  (B) F - 9 (B) F - 10 (B) F - 11 (B) F - 12 (SPARE (B) EF CONT. (N) HEAT PUMP 20 - CLASSROOM 20 (C) (C) (C) (C) (N) FAN COIL 20 - CLASSROOM 20 (C) (C) (C) (C) (N) SSO-E-1 (C)	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71	B C A B C A B C A	46 48 50 52 54 56 58 60 62 64 66 68 70 72	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
MOUNTING:  (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 (E) F - 12 (E) F - 12 (E) F - CONT. (N) HEAT PUMP 20 - CLASSROOM 20 (FIG. 1) FAN COIL 20 - CLASSROOM 20 (FIG. 2) FAN COI	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75	B C A B C A B C A B C A B	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
MOUNTING:  (E) F - 9 (E) F - 10 (E) F - 11 (E) F - 12 (	4 NEMA 1				3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C A A B C C C A A B C C C A A B C C C A A B C C C A A B C C C C	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
NY PE MOUNTING:  B) F - 9 B) F - 10 B) F - 11 B) F - 12 BPARE B) EF CONT. N) HEAT PUMP 20 - CLASSROOM 20 """"""" N) FAN COIL 20 - CLASSROOM 20 """"""""" N) SSO-E-1 """"""" SPARE BPARE BP	4 NEMA 1		0.38		3.74 0.89 0.89 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P		0.72			MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE (E) AWH #4 (E) AWH #4 (E) AWH #4
Y PE: MOUNTING: E) F - 9 E) F - 10 E) F - 11 E) F - 12 EPARE E) EF CONT. N) HEAT PUMP 20 - CLASSROOM 20 " " " " N) SSO-E-1 " " " EPARE EPA	4 NEMA 1		0.36		3.74 0.89 0.89 2.08 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P				0.10	MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE
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CYPE: MOUNTING: E) F - 9 E) F - 10 E) F - 11 E) F - 12 EPARE E) EF CONT. N) HEAT PUMP 20 - CLASSROOM 20 """" N) FAN COIL 20 - CLASSROOM 20 """" N) SSO-E-1 """" EPARE EP	4 NEWA 1 SURFACE	DEMAN	5.0		3.74 0.89 0.89 2.08 2.08	20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	0	6.1 Yes/No		9.4	MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE (E) AWH#4 (E) AWH#4 (E) AWH#1 (E) AWH#1 (E) AWH#1
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Y PE: MOUNTING: E) F - 9 E) F - 10 E) F - 11 E) F - 12 EPARE E) EF CONT. N) HEAT PUMP 20 - CLASSROOM 20 """" N) FAN COIL 20 - CLASSROOM 20 """" N) SSO-E-1 """" SPARE EPARE EP	4 NEWA 1 SURFACE	DEMAN	5.0		3.74 0.89 0.89 2.08 2.08	20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 62 64 66 68 70 72 74 76 78 80 82 84	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	O TED AIC	6.1 Yes/No		9.4	MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE (E) AWH#4 (E) AWH#4 (E) AWH#1 (E) AWH#1 (E) AWH#1
CYPE: MOUNTING: E) F - 9 E) F - 10 E) F - 11 E) F - 12 EPARE E) EF CONT. N) HEAT PUMP 20 - CLASSROOM 20 """" N) FAN COIL 20 - CLASSROOM 20 """" N) SSO-E-1 """" SPARE EPARE EP	A NEWA 1 SURFACE  CONNECTED KVA 0	DEMAN	5.0 ID FACT 1.25		3.74 0.89 0.89 2.08 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 62 64 66 68 70 72 74 76 78 80 82 84	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P (N)20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P	O TED AIC	6.1 Yes/No Y		9.4	MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE (E) AWH#4 (E) AWH#4 (E) AWH#1
CYPE: MOUNTING: E) F - 9 E) F - 10 E) F - 11 E) F - 12 EPARE E) EF CONT. N) HEAT PUMP 20 - CLASSROOM 20 """" N) FAN COIL 20 - CLASSROOM 20 """" N) SSO-E-1 """" EPARE EP	CONNECTED KVA  0 10.0 1.2	DEMAN	5.0 ID FACT 1.25 1.00 0.50		3.74 0.89 0.89 2.08 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 62 64 66 68 70 72 74 76 78 80 82 84	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P 20A/1P	0 TED AIC TED AIC SPD	6.1 Yes/No Y N		9.4	MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE (E) AWH#4 (E) AWH#4 (E) AWH#1 (E) AWH#2 (E) AWH#1 (E) AWH#1 (E) AWH#1 (E) AWH#5 E A (CONNECTED)  KVA PHASE B (CONNECTED) 18.4 (KVA PHASE C (CONNECTED)) 15.8
Y PE: MOUNTING: E) F - 9 E) F - 10 E) F - 11 E) F - 12 EPARE E) EF CONT. N) HEAT PUMP 20 - CLASSROOM 20 """" N) FAN COIL 20 - CLASSROOM 20 """" N) SSO-E-1 """" SPARE EPARE EP	CONNECTED KVA  0 10.0 1.2	DEMAN	5.0 ID FACT 1.25 1.00 0.50 1.25		3.74 0.89 0.89 2.08 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 62 64 66 68 70 72 74 76 78 80 82 84	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P 20A/1P COPPER B	0 TED AIC TED AIC SPD USSING	6.1 Yes/No Y N N		9.4	MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE (E) AWH#4 (E) AWH#4 (E) AWH#1 (E) AWH#5E A (CONNECTED) 18.4 (KVA PHASE B (CONNECTED) 15.8 SUB FEED CONNECTED LOAD
N FAN COIL 20 - CLASSROOM 20  N SO-E-1  PARE  PA	CONNECTED KVA  0 10.0 1.2	DEMAN	5.0 ID FACT 1.25 1.00 0.50		3.74 0.89 0.89 2.08 2.08	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)50A 2P (N)15A 2P (N)30A 2P 20A/1P	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B B C C A B	46 48 50 52 54 56 62 64 66 68 70 72 74 76 78 80 82 84	20A/1P 20A/1P 20A/1P 20A/1P 20A/1P 20A/1P (N)20A/1P 20A/1P	0 TED AIC TED AIC SPD USSING	6.1 Yes/No Y N N		9.4	MIN. AIC: 10,000 SUB-FEED C/B: FEED THRU LUGS: NO  (E) F - 13 (E) F - 14 (E) F - 15 (E) F - 16 (E) REC EF's 21 & 22 (E) EF's 11 (N) WP REC. (N) CONDENSATION PUM P SSI-E-1  SPARE (E) AWH#4 (E) AWH#4 (E) AWH#1 (E) AWH#2 (E) AWH#1 (E) AWH#1 (E) AWH#1 (E) AWH#5 E A (CONNECTED)  KVA PHASE B (CONNECTED) 18.4 (KVA PHASE C (CONNECTED)) 15.8

PA NEL NA ME:	(N) BM														FED FROM:	: XFMR TA
VOLTAGE:	208/120V	_													MAIN C/B:	400 AMP
PHASE:	3	_														400 AMP
MRE	4	_													MIN. AIC:	
TYPE:	NEMA 1														SUB-FEED C/B:	
MOUNTING:	SURFACE	_													FEED THRU LUGS:	YES
OIDOLUT DECODIETION		$\overline{}$	TYPE (K	<del> </del>	LNO	CB	l .	PH	CKT	CB		YPE(K		LNO	OIDOUIT DECODIFICAL	
CIRCUIT DESCRIPTION		LTG	REC	MTR	NCL	AMP/P 50A	#	<b>.</b>	#	AMP/P 50A	LTG	REC	MTR		CIRCUIT DESCRIPTION	
(N) HEAT PUMP 5 - CLASSROOM 5					3.74		1	Α							(N) HEAT PUMP 6 - CLASSROOM 6	
					3.74	2P	3	В	4	2P				3.74		
(N) FAN COIL 5 - CLASSROOM 5					0.89	15A	5	С	6	15A				0.89	(N) FAN COIL 6 - CLASSROOM 6	
					0.89	2P	7	Α	8	2P				0.89		
SPARE						20A/1P	9	В	10	20A/1P					SPARE	
(N) REC. CLASSROOM 5			0.18			20A/1P	11	С	12	20A/1P		0.18			(N) REC. CLASSROOM 6	
SPARE						20A/1P	13	Α	14	20A/1P					SPARE	
SPARE						20A/1P	15	В	16	20A/1P					SPARE	
SPARE						20A/1P	17	C	18	20A/1P					SPARE	
SPA RE						20A/1P	19	Α	20	20A/1P					SPARE	
SPARE						20A/1P	21	В	22	20A/1P					SPARE	
SPARE						20A/1P	23	С	24	20A/1P					SPARE	
SPA RE						20A/1P	25	Α	26	20A/1P					SPARE	
SPARE						20A/1P	27	В	28	20A/1P					SPARE	
SPARE						20A/1P	29	С	30	20A/1P					SPARE	
SPA RE						20A/1P	31	Α	32	20A/1P					SPARE	
SPARE						20A/1P	33	В	34	20A/1P					SPARE	
SPARE						20A/1P	35	С	36	20A/1P					SPARE	
SPA RE						20A/1P	37	Α	38	20A/1P				18.52	(N) PANEL AM (SUBFEED CIRCUIT BREAK	(ER)
SPA RE						20A/1P	39	В	40	20A/1P				14.96	" "	
SPARE						20A/1P	41	С	42	20A/1P		0.72		3.56	п п	
		0	0.2	0	9.3						0	0.9	0	46.3		
LOAD SUMMARY	CONNECTED KVA	DEMAN	ND FA CT	OR	DEMAN	ID KVA	1					Yes/No			KVA PHASEA (CONNECTED)	27.8
(LTG) LIGHTING X 125%	0		1.25			0.0				FULL RA					KVA PHASE B (CONNECTED)	22.4
(REC) RECEPTS PER 220.44;	1.1		1.00			1.1				SERIES RA					KVA PHASEC (CONNECTED)	6.4
10KVA x 100% + REMAINDER x 50%	0		0.50			0.0					SPD				SUB FEED CONNECTED LOAD	
(MTR) LARGEST MOTOR X 125%	0		1.25			0.0				COPPER B	USSING	Υ				<del>,</del>
+ REMA INING MOTORS x 100%	0		1.00			0.0			AL	LUMINUM B	USSING	N			TOTAL DEMAND KVA	56.6
(NCL) NON CONTINOUS LOAD x 100%	55.6		1.00			55.6							-		TOTAL LOAD AMPERES	157.3



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tel: (408)-300-5160 fax: (408)-300-5121 PROJECT

FOSTER CITY ELEMENTARY SCHOOL - HVAC REPLACEMENT

SAN MATEO-FOSTER CITY
SCHOOL DISTRICT
CONSULTANT





In Josep, См. 20126 В # EK21087.00

STAMP

DSA FILE NUMBER 41-26
APPL # 01-120182

No. Description Date

ADDENDUM I II/28/2022

MILESTONES

SD03/07/202290% CD04/01/2022DSA SUB04/12/2022BACKCHECK10/24/2022

SHEET

PANEL SCHEDULES

11/28/2022

2021011 SHEET # AD1-

		7															
PANEL NAME:	(N) CM	_													FED FROM: XFMR TA		
VOLTAGE:	20 <del>0</del> /120√	_													MAIN C/B: 400 AMP		
PHASE:	3	_													BUSSING: 400 AMP		
WRE:	4	_													MIN. A IC: 22,000		
TYPE:	NEMA 1														SUB-FEED C/B: 225A-3P FEED THRU LUGS: YES		
MOUNTING:	SURFACE	II OV D.	TYPE(K	1//)		СВ	CKT		CKT	СВ	LOAD		·/^\		FEED THRU LUGS: YES		
CIRCUIT DESCRIPTION		LTG		MTR	NCL	AMP/P	#		#	AMP/P	LTG	REC		NCL	CIRCUIT DESCRIPTION		
(N) HEAT PUMP 7 - CLASSROOM 7					3.74	50A	1	Α	2	50A				3.74	(N) HEAT PUMP 9 - CLASSROOM 9		
					3.74	2P	3	В	4	2P				3.74			
(N) FAN COIL 7 - CLASSROOM 7					0.89	15A	5	С	6	15A				0.89	(N) FAN COIL 9 - CLASSROOM 9		
					0.89	2P	7	Α	8	2P				0.89			
SPARE						20A/1P	9	В	10	20A/1P					SPARE		
(N) REC. CLASSROOM 7			0.18			20A/1P	11	С	12	20A/1P		0.18			(N) REC. CLASSROOM 9		
(N) HEAT PUMP 8 - CLASSROOM 8					3.74	50A	13	Α	14	50A					(N) HEAT PUMP 10 - CLASSROOM 10		
					3.74	2P	15	В	16	2P				3.74			
(N) FAN COIL 8 - CLASSROOM 8					0.89	15A	17	С	18	15A					(N) FAN COIL 10 - CLASSROOM 10		
					0.89	2P	19	Α	20	2P				0.89	H H H H		
SPARE						20A/1P	21	В	22	20A/1P					SPARE		
(N) REC. CLASSROOM 8			0.18			20A/1P	23	С	24	20A/1P		0.18			(N) REC. CLASSROOM 10		
SPARE						20A/1P	25	Α	26	20A/1P					SPARE		
SPARE						20A/1P	27	В	28	20A/1P					SPARE		
SPARE						20A/1P	29	С	30	20A/1P					SPARE		
SPARE						20A/1P	31	Α	32	20A/1P					SPARE		
SPARE						20A/1P	33	В	34	20A/1P					SPARE		
SPARE						20A/1P	35	С	36	20A/1P					SPARE		
SPARE						20A/1P	37	Α	38	20A/1P				18.52	(N) PANEL DM (SUBFEED CIRCUIT BREAKER)		
SPARE						20A/1P	39	В	40	20A/1P				14.96			
SPARE			0.1		40.5	20A/1P	41	С	42	20A/1P		0.72	-	3.56	n n		
		0	0.4	0	18.5	I					0	1.1	0	55.6			
LOAD SUMMARY	CONNECTED KVA	DEMAN		OR								Yes/No			KVA PHASE A (CONNECTED) 37.0		
(LTG) LIGHTING X 125%	0		1.25			0.0				FULL RA					KVA PHASE B (CONNECTED) 29.9		
(REC) RECEPTS PER 220.44;	1.4		1.00			1.4				SERIES RA					KVA PHASE C (CONNECTED) 8.6		
10KVA x 100% + REMAINDER x 50%	0		0.50			0.0						N			SUB FEED CONNECTED LOAD		
(MTR) LARGEST MOTOR X 125%	0		1.25			0.0				COPPER B							
+ REMAINING MOTORS x 100%	0		1.00			0.0			Α	LUMINUM B	USSING	N			TOTAL DEMAND KVA 75.5		
(NCL) NON CONTINOUS LOAD x 100%	74.1		1.00			74.1									TOTAL LOAD AMPERES 209.8		

DANIEL NAME.	(F) A O														EED EDOM: MC	<u> </u>	
PANEL NAME: VOLTAGE:	(E)A2 208/120V	-													FED FROM: MS MA IN C/B: 20		
PHASE:	3	-													BUSSING: 20		
WRE:	4	-													MIN. AIC: 18		
TYPE:	NEMA 1	_													SUB-FEED C/B:		
MOUNTING:	SURFACE														FEED THRU LUGS: YE	S	
CIRCUIT DESCRIPTION		LOAD LTG	TYPE(K REC		NCL	CB AMP/P	CKT #	PH	CKT #	CB AMP/P	LOAD T	TYPE(K REC	VA) MTR	NCL	CIRCUIT DESCRIPTION		
(E) REC F100			1.00			20A/1P	1	А	2	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F100			1.00			20A/1P	3	В	4	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F100			1.00			20A/1P	5	С	6	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F103			1.00			20A/1P	7	Α	8	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F103			1.00			20A/1P	9	В	10	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F103			1.00			20A/1P	11	С	12	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F106			1.00			20A/1P	13	Α	14	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F106			1.00			20A/1P	15	В	16	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) REC F106			1.00			20A/1P	17	С	18	20A/1P		1.00			(E) REC COMPUTER LAB		
(E) PROJECTOR - BUILDING F			1.00			20A/1P	19	Α	20	20A/1P		1.00			(E) REC MECH CLOSET ROOF GFI		
(E) PROJECTOR - LIBRARY			1.00			20A/1P	21	В	22	20A/1P		1.00			(E) REC IDF		
(E) REC LIBRARY			1.00			20A/1P	23	С	24	20A/1P			1.50		(E) EF 6 & 7		
(E) REC LIBRARY			1.00			20A/1P	25	Α	26	20A/1P		1.00			(E) PROJECTOR - SCREEN		
(E) REC LIBRARY			1.00			20A/1P	27	В	28	30A			1.98		(E) CU		
(E) REC LIBRARY			1.00			20A/1P	29	С	30	2P			1.98		(E) CU		
(E) REC LIBRARY			1.00			20A/1P	31	Α	32	20A/1P				0.10	(N) CONDENSATION PUMP		
(N) CU-M-1					5.04	(N)60A	33	В	34	20A/1P		1.00			(E) BELL/FSD		
					5.04		35	С	36	20A/1P			1.50		(E) F - 17		
					5.04	3P	37	Α	38	20A/1P			1.50		(E) F - 18		
(N) F-M-1						(N)30A	39	В	40	20A/1P			1.50		(E) F - 19		
		0	16.0	0	<b>2.81</b> 20.7	2P	41	С	42	(N)20A/1P	0	0.18	10.0	0.1	(N) WP REC.		
			10.0		20.7	l						13.2	10.0	0.1	J		
LOAD SUMMARY	CONNECTED KVA	DEMA N	ND FACT	OR	DEMAN							Yes/No			KVA PHASE A (CONNECTED)	17.6	
(LTG) LIGHTING X 125%	0		1.25			0.0				FULL RA					KVA PHASE B (CONNECTED)	21.3	
(REC) RECEPTS PER 220.44;	10.0		1.00			10.0			;	SERIES RA					KVA PHASE C (CONNECTED)	21.0	
10KVA x 100% + REMAINDER x 50%	19.2		0.50			9.6 4.9					SPD				SUB FEED CONNECTED LOAD		
(MTR) LARGEST MOTOR X 125% + REMAINING MOTORS x 100%	4.0 6.0		1.25 1.00			6.0			Δ.	COPPER B LUMINUM B					TOTAL DEMAND KVA	51.4	
(NCL) NON CONTINOUS LOAD x 100%	20.8		1.00			20.8				_OIVIIINOIVI B	DVIICOO	IN			TOTAL LOAD AMPERES	142.7	

$\longrightarrow$ A					~~ <u>/</u>	4				
				FED FROM: CM	PA NEL NA ME: (N) FM				FED FRO	OM: XFMR TA
VOLTA GE: 208/120V				MA IN C/B: 225 AMP	PA NEL NA ME VOLTA GE (N) FM 208/120V	<del>_</del>				C/B: 400 AMP
PHASE: 3				BUSSING: 225 AMP	PHASE: 3	<del>_</del>				ING: 400 AMP
WRE: 4				MIN. AIC: 22,000	WRE: 4	_			MIN. A	AIC: 22,000
TYPE: NBMA 1				SUB-FEED C/B:	TYPE: NEMA 1	<del>_</del>			SUB-FEED C/	C/B: 200A-3P
MOUNTING: SURFACE				FEED THRU LUGS: YES	MOUNTING: SURFACE				FEED THRU LUG	GS: NO
LOAD TYPE (KVA)   CIRCUIT DESCRIPTION   LTG   REC   MTR		PH CKT CB # AMP/P	LOAD TYPE (KVA)	TR NCL CIRCUIT DESCRIPTION	CIRCUIT DESCRIPTION	LOAD TYPE (KVA) CB LTG REC MTR NCL AMP/P	CKT Pt		.D TYPE (KVA)  G REC MTR NCL CIRCUIT DESCRIPTION	
		A 2 50A		3.74 (N) HEAT PUMP 17 - CLASSROOM 17	(N) HEAT PUMP 23 - CLASSROOM 23	3.74 50A		2 50A	3.74 (N) HEAT PUMP 25 - CLASSROOM 25	 25
	3.74 2P 3	B 4 2P		3.74 " " " "	II II II II	3.74	3 B		3.74 " " " " "	
(N) FAN COIL 15 - CLASSROOM 15	0.89 15A 5	C 6 15A		0.89 (N) FAN COIL 17 - CLASSROOM 17	(N) FAN COIL 23 - CLASSROOM 23	0.89 15A	5 C	6 15A	0.89 (N) FAN COIL 25 - CLASSROOM 25	
	0.89 2P 7	A 8 2P		0.89 " " " "		0.89	7 A	8 2P	0.89 " " " "	
SPARE		B 10 20A/1P		SPARE	SPARE	20A/1P	9 B	10 20A/1P	SPARE	
(N) REC. CLASSROOM 15 0.18		C 12 20A/1P	0.18	(N) REC. CLASSROOM 17	(N) REC. CLASSROOM 23		11 C	12 20A/1P	0.18 (N) REC. CLASSROOM 25	
		A 14 50A		3.74 (N) HEAT PUMP 18 - CLASSROOM 18	(N) HEAT PUMP 24 - CLASSROOM 24	3.74 50A	13 A	14 20A/1P	SPA RE	
		B 16 2P		3.74 " " " "			² 15 B	16 20A/1P	SPA RE	
	<del></del>	C 18 15A		0.89 (N) FAN COIL 18 - CLASSROOM 18	(N) FAN COIL 24 - CLASSROOM 24	0.89 15A	17 C	18 20A/1P	SPA RE	
		A 20 2P		0.89 " " " "		0.89 2F	² 19 A	20 20A/1P	SPA RE	
SPARE		B 22 20A/1P		SPARE	SPARE	20A/1P	21 B	22 20A/1P	SPA RE	
(N) REC. CLASSROOM 16 0.18		C 24 20A/1P	0.18	(N) REC. CLASSROOM 18	(N) REC. CLASSROOM 24	0.18 20A/1P	23 C	24 20A/1P	SPARE	
SPARE		A 26 20A/1P		SPARE	SPARE	20A/1P	25 A	. 26 20A/1P	SPARE	
SPARE		B 28 20A/1P		SPARE	SPARE	20A/1P	27 B	28 20A/1P	SPARE	
SPARE	20A/1P 29	C 30 20A/1P		SPARE	SPARE	20A/1P	29 C	30 20A/1P	SPARE	
SPARE	<del> </del>	A 32 20A/1P		SPARE	SPARE	20A/1P	31 A	32 20A/1P	SPARE	
SPARE	20A/1P 33	B 34 20A/1P		SPARE	SPARE	20A/1P	33 B	34 20A/1P	SPARE	
SPARE	20A/1P 35	C 36 20A/1P		SPARE	SPARE	20A/1P	35 C	36 20A/1P	SPARE	
SPARE	20A/1P 37	A 38 20A/1P		SPARE	SPARE	20A/1P	37 A	38 20A/1P	11.00 1.50 5.14 (E) PA NEL A2 (SUBFEED CIRCUIT BREA	EAKER)
SPARE	20A/1P 39	B 40 20A/1P		SPARE	SPARE	20A/1P	39 B	40 20A/1P	10.00 3.48 7.85 "	"
SPARE		C 42 20A/1P		SPARE	SPARE	20A/1P	41 C	42 20A/1P	8.18 4.98 7.85 "	
0 0.4 0	18.5		0 0.4 0	0   18.5		0 0.4 0 18.5		0	29.4 10.0 30.1	
	DEMAND KVA		Yes/No	KVA PHASEA (CONNECTED) 18.5	LOAD SUMMARY CONNECTED KVA	DEMAND FACTOR DEMAND KVA	7		Yes/No KVA PHASEA (CONNECTED)	3.
(LTG) LIGHTING X 125% 0 1.25	0.0	<b>I</b>	TED AIC Y	KVA PHASE B (CONNECTED) 15.0	(LTG) LIGHTING X 125% 0	1.25 0.0	1	FULL RATED A	,	32
(REC) RECEPTS PER 220.44; 0.7 1.00	0.7	SERIES RAT	TED AIC N	KVA PHASE C (CONNECTED) 4.3	(REC) RECEPTS PER 220.44; 10.0	1.00 10.0	1	SERIES RATED A	, ,	24
10KVA x 100% + REMA INDER x 50% 0 0.50	0.0	000000	SPD N	SUB FEED CONNECTED LOAD	10KVA x 100% + REWAINDER x 50% 19.7	0.50 9.9	]	S	PD N SUB FEED CONNECTED LOAD	
(MTR) LARGEST MOTOR X 125% 0 1.25	0.0		USSING Y	TOTAL DOMANDIA/A	(MTR) LARGEST MOTOR X 125% 5.0	1.25 6.2		COPPER BUSSI		
+ REMA INING MOTORS x 100% 0 1.00 (NCL) NON CONTINOUS LOAD x 100% 37.0 1.00	0.0 37.0	A LUMINUM BI	JOOING IN	TOTAL DEMAND KVA 37.8 TOTAL LOAD AMPERES 104.9	+ REMA INING MOTORS x 100% 5.0	1.00 5.0	╛	A LUMINUM BUSSI		79
[(NOL) NON CONTINOUS LOAD & 10070   37.0   1.00					(NCL) NON CONTINOUS LOAD x 100% 48.6	1.00 48.6			TOTAL LOAD AMPERES	22

# aedis

FED FROM: XFMR TA

MAIN C/B: 400 AMP

BUSSING: 400 AMP

www.aedisarchitects.com 387 S. 1st Street, Suite 300 San Jose, CA 95113 tel: (408)-300-5160 fax: (408)-300-5121

PROJECT FOSTER CITY ELEMENTARY SCHOOL - HVAC REPLACEMENT

SAN MATEO-FOSTER CITY SCHOOL DISTRICT CONSULTANT





STAMP

STATE DSA FILE NUMBER 01-120182

REVISIONS

No. Description Date ADDENDUM | 11/28/2022

MILESTONES SD 03/07/2022 90% CD 04/01/2022 DSA SUB 04/12/2022 BACKCHECK 10/24/2022

SHEET

PANEL SCHEDULES

11/28/2022