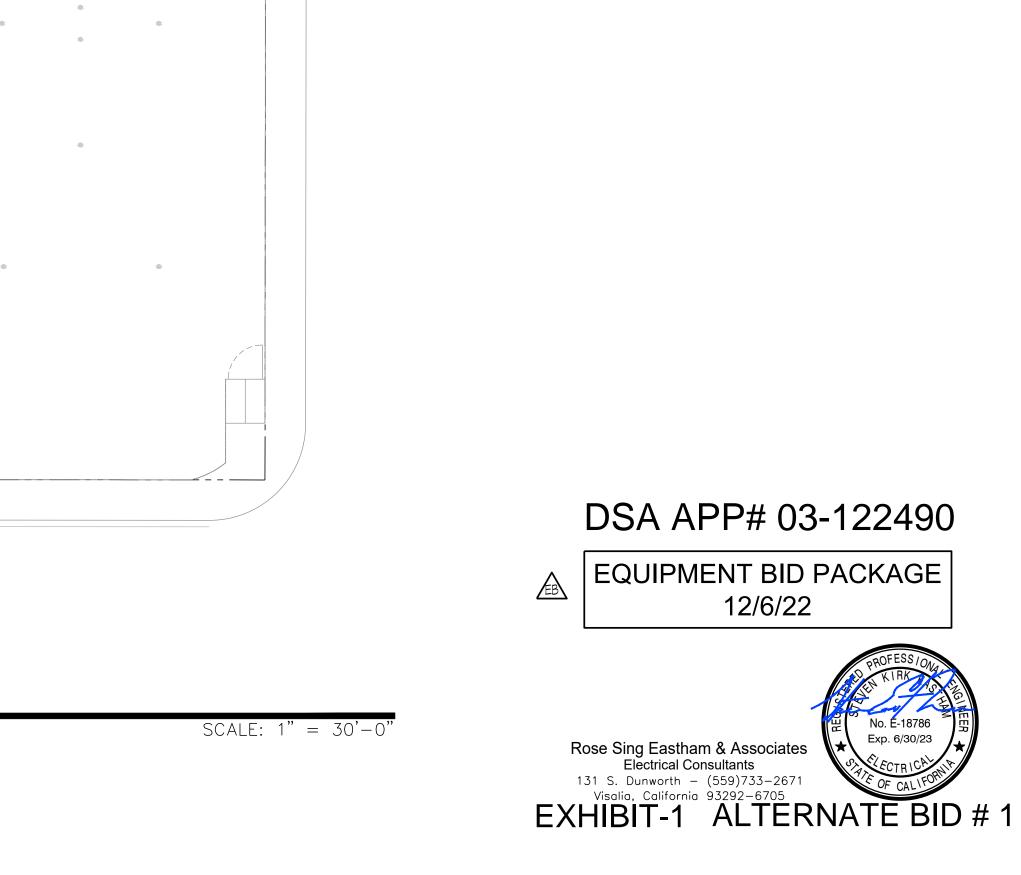


COLUMBUS STREET

SITE ELECTRICAL PLAN

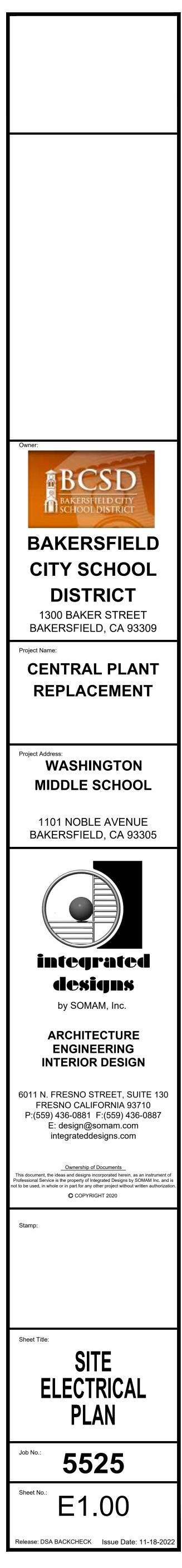
CENTRAL PLANT REPLACEMENT



SCOPE OF WORK

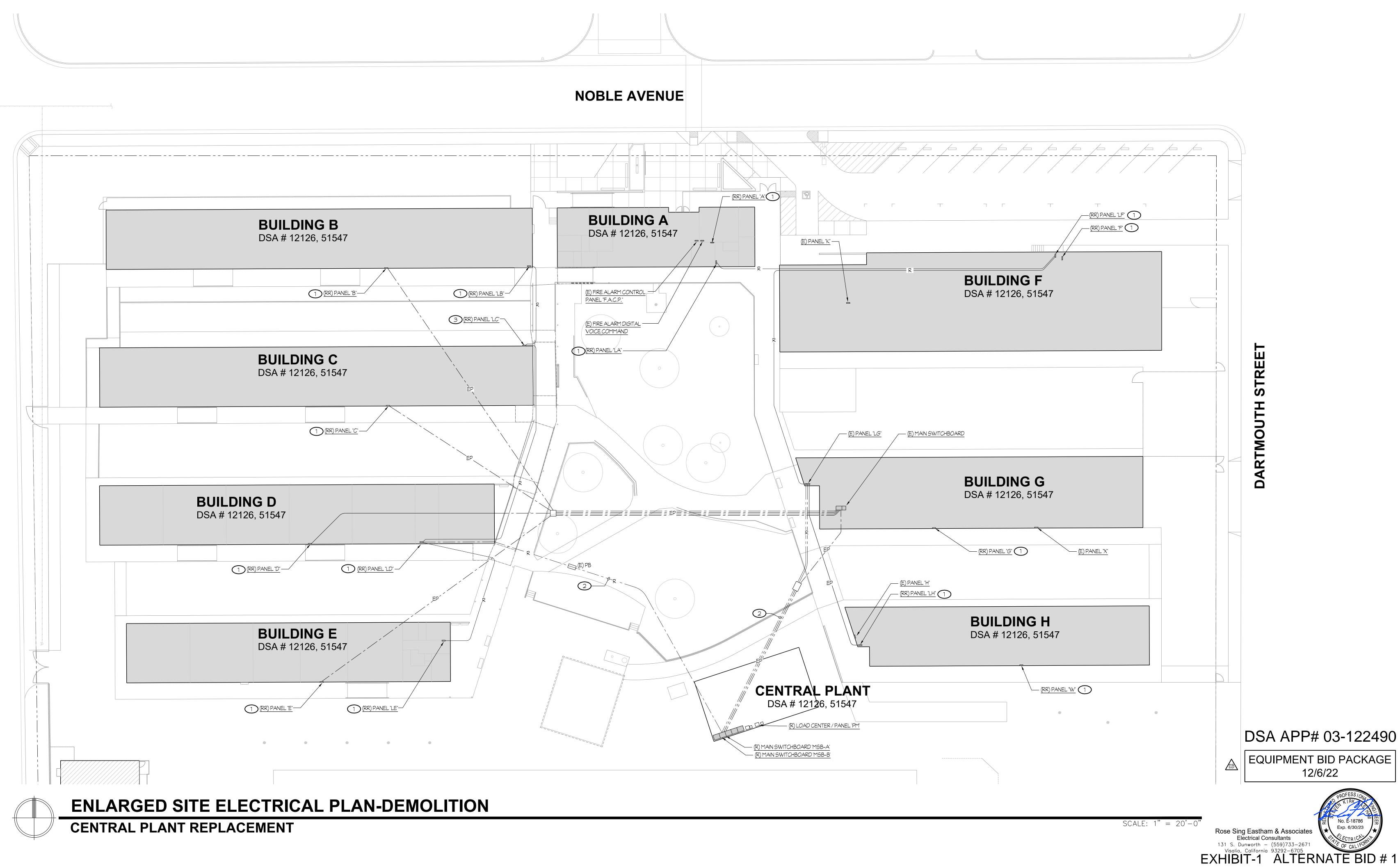
PURCHASE EQUIPMENT ONLY

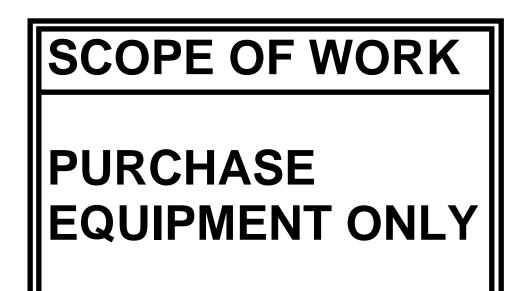
NOTES (THIS SHEET ONLY): 1 REFER TO ENLARGED SITE ELECTRICAL PLAN - DEMOLITION, SHEET #E1.01 AND ENLARGED SITE ELECTRICAL PLAN - NEW, SHEET #E1.02 FOR ADDITIONAL WORK IN THIS AREA.







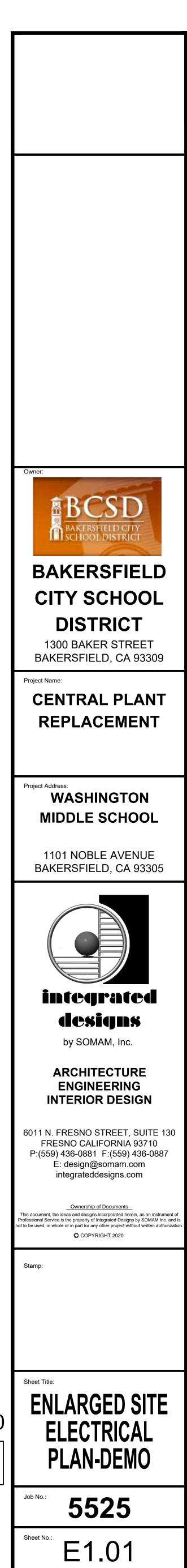




NOTES (THIS SHEET ONLY):

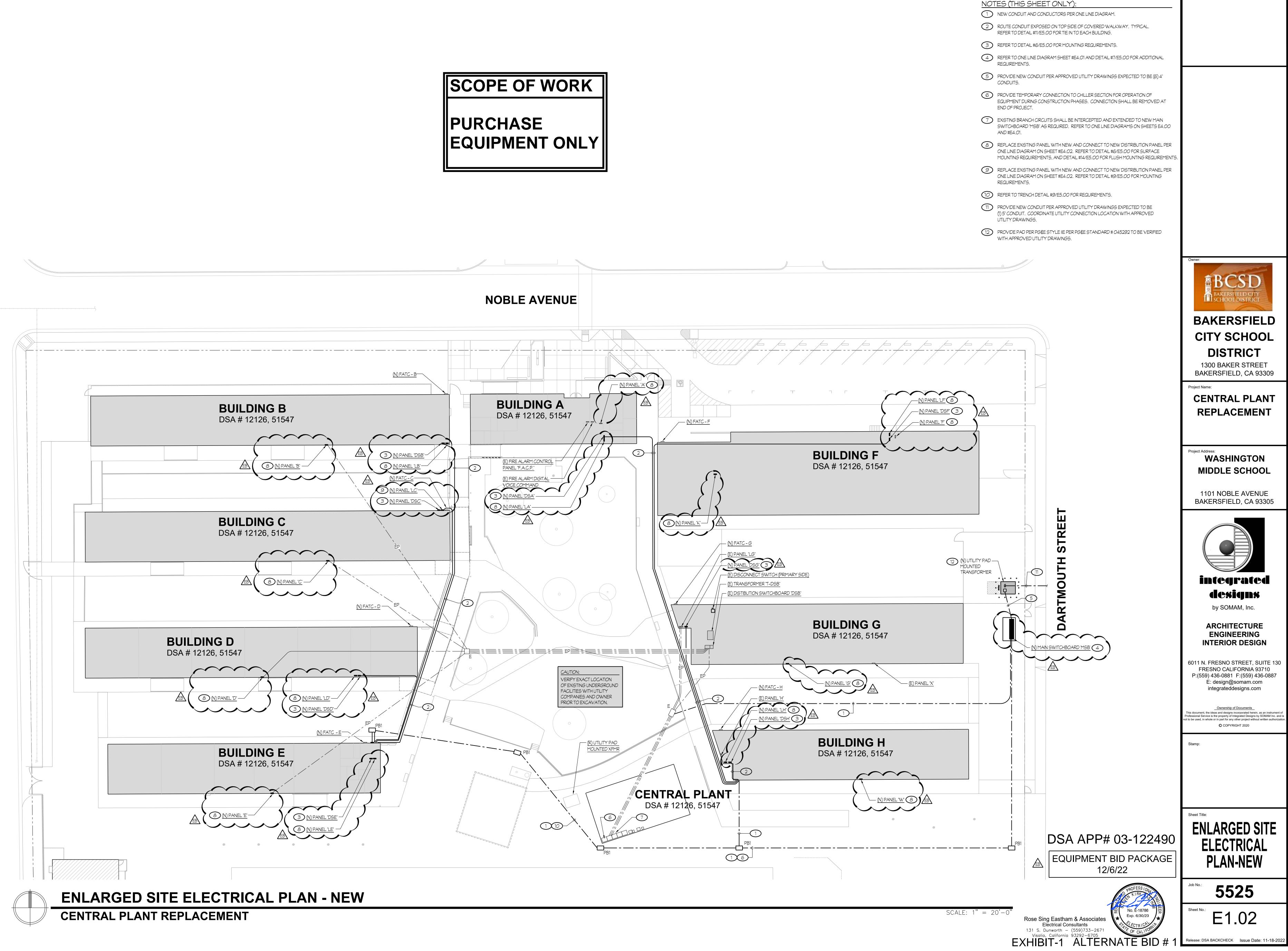
- (1) EXISTING PANEL SHALL BE REPLACED IN SAME LOCATION. PROVIDE NEW FEED PER SHEET #E1.02 AND ONE-LINE DIAGRAM, SHEET #E4.01. REFER TO DETAIL #6/E5.00 FOR MOUNTING REQUIREMENTS.
- 2 CONDUCTORS SHALL BE REMOVED FROM EXISTING CONDUIT(S) PER ONE LINE DIAGRAM EXISTING CONDUIT ALLOWED TO BE ABANDONED IN PLACE AND MARKED 'SPARE'.
- 3 EXISTING PANEL SHALL BE REPLACED IN SAME LOCATION. PROVIDE NEW FEED PER SHEET #E1.02 AND ONE-LINE DIAGRAM, SHEET #E4.01. REFER TO DETAIL #9/E5.00 FOR MOUNTING REQUIREMENTS.

GENERAL NOTE: CONTRACTOR SHALL SURVEY ALL UNDERGROUND ROUTES FOR EXISTING UTILITIES.

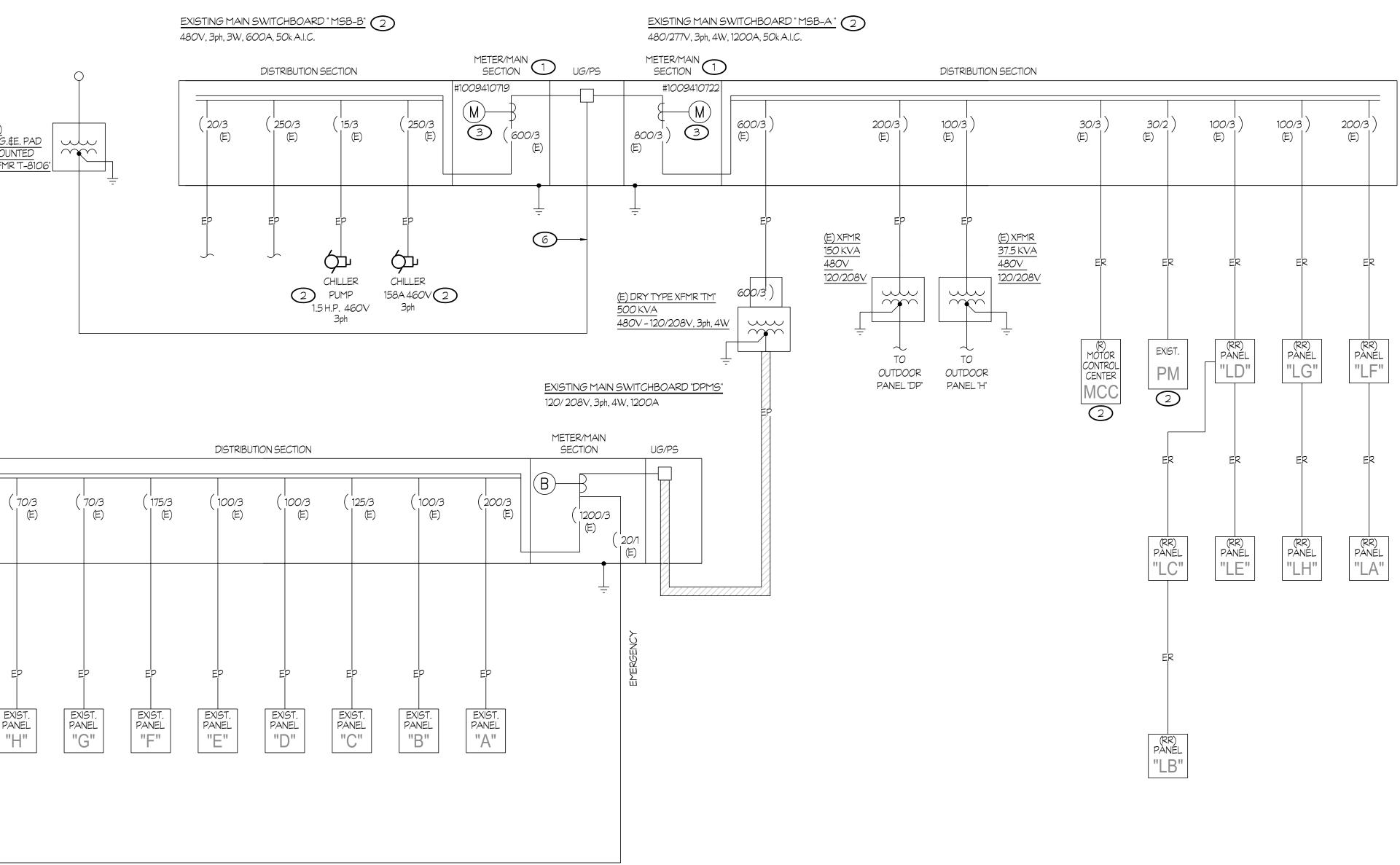


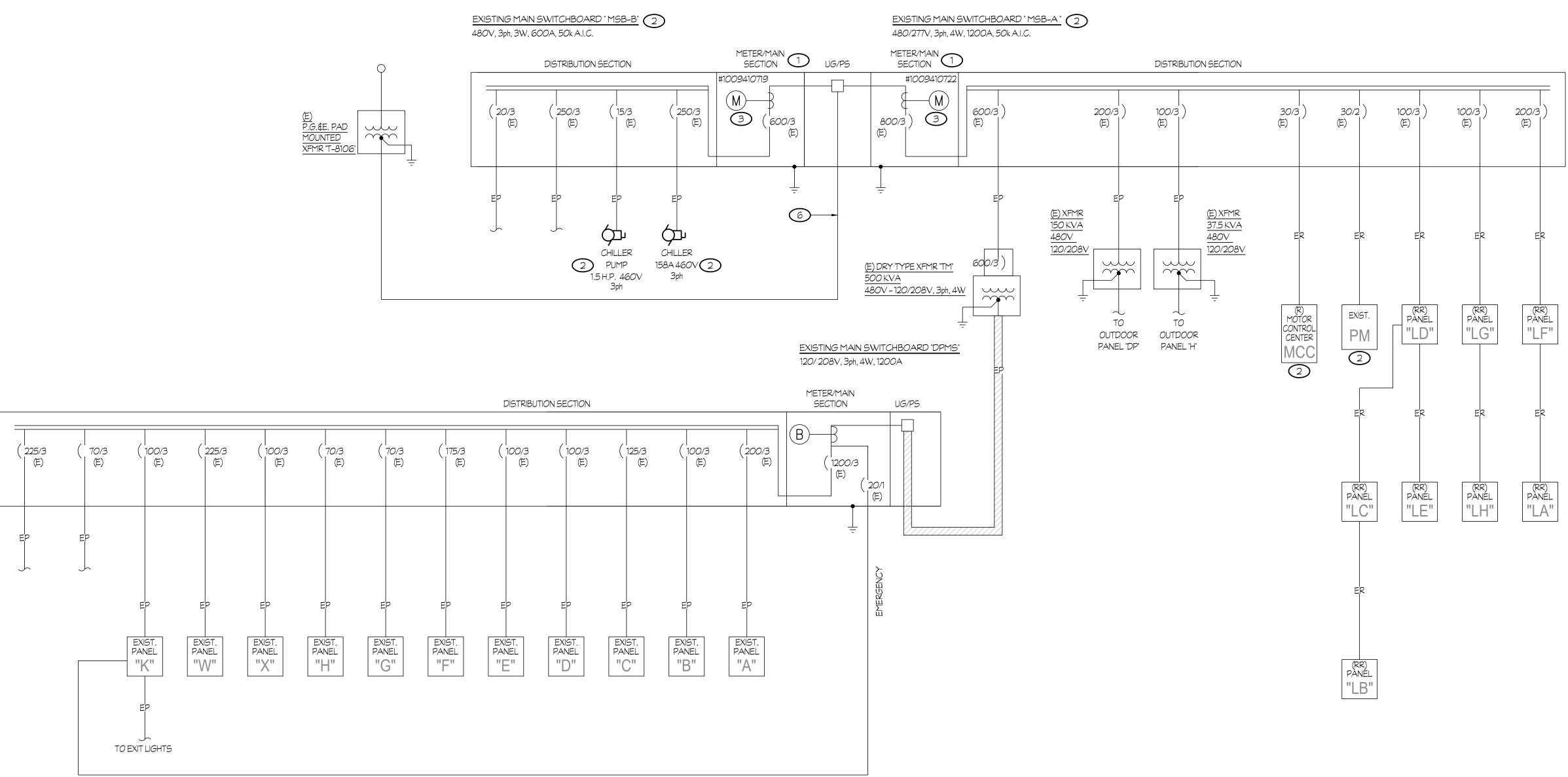
Release: DSA BACKCHECK Issue Date: 11-18-2022



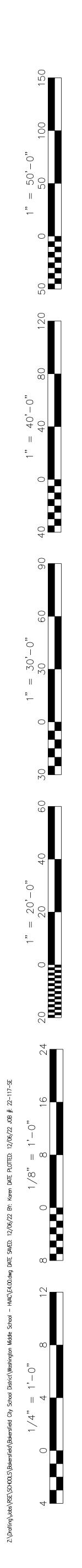














DSA APP# 03-122490

PURCHASE EQUIPMENT ONLY

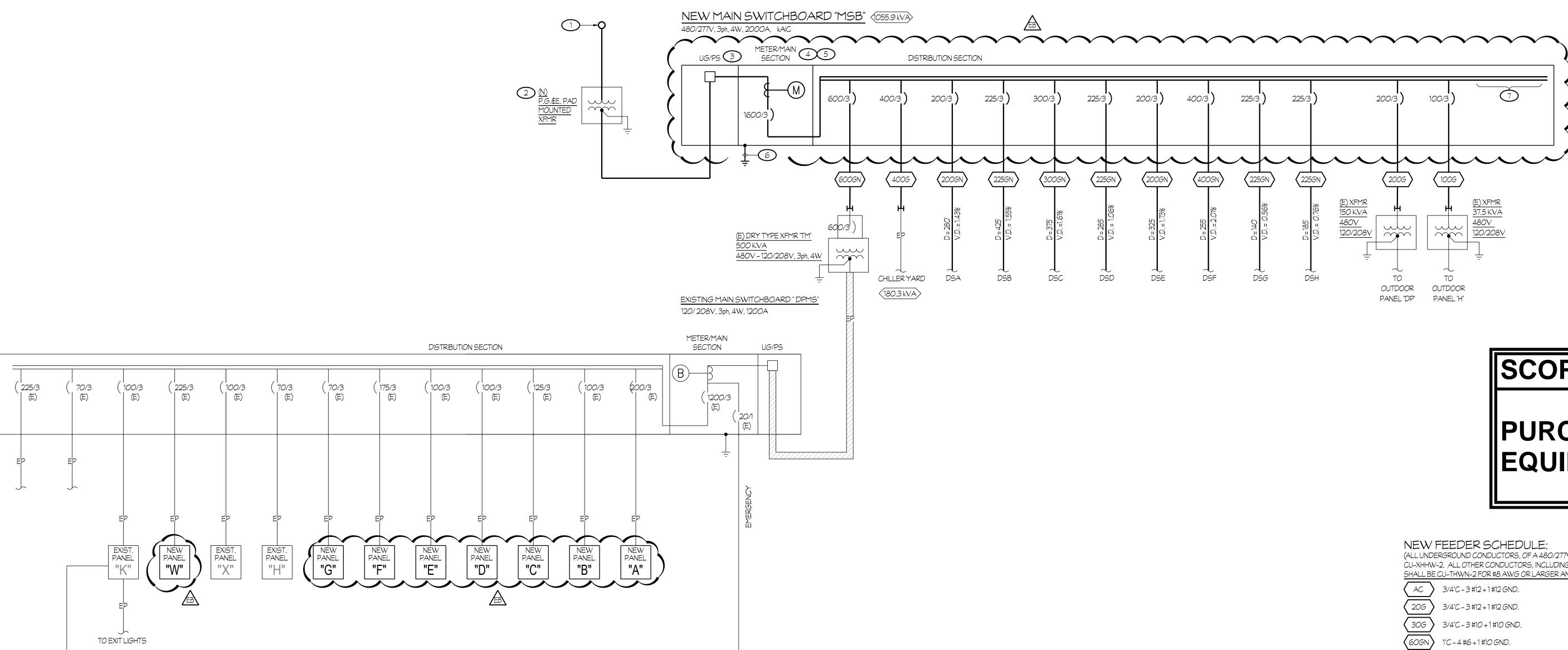
SCOPE OF WORK

- 5 ER DENOTES EXISTING BRANCH CIRCUITING/HOMERUN TO BE REMOVED. 6 EXISTING FEED SHALL BE INTERCEPTED AND REROUTED TO NEW BOARD FOR TEMPORARY CONNECTION. REFER TO SHEET E4.01.
- 4 —— EP —— DENOTES EXISTING FEEDER AND/OR 'SPARE' CONDUIT(S) SHALL REMAIN, UNLESS OTHERWISE NOTED.
- 3 RETURN UTILITY METER EQUIPMENT TO UTILITY COMPANY AND PROVIDE CONNECTION TO POWER DISTRIBUTION BOARDS.
- 2 EXISTING CHILLER EQUIPMENT SHALL REMAIN IN SERVICE DURING CONSTRUCTION ACTIVITIES. EQUIPMENT SHALL BE DISCONNECTED AND REMOVED AT THE END OF NEW CONSTRUCTION.
- EXISTING UTILITY FEED SHALL BE DISCONNECTED. PROVIDE NEW CONNECTION FROM NEW BOARD 'MSB2' TO FEED EXISTING BOARD DURING CONSTRUCTION, AS SHOWN ON SHEET E4.01.

NOTES (FOR SHEETS E4.01 AND E4.02 ONLY):









NEW MAIN SWBD MAXIMUM DEMAND PER P FOR MAIN SWBD "MSB" ME PLUS DEMAND FACTOR P

NEW "CONNECTED" LOAD

H.V.A.C. x 125%

FUTURE CLASSROOM BUIL

AT 480

THEREFORE, THE NEW 16C

"MSB" LOAD CALCULATION:	
.G. & E. RECORDS	
ER C.E.C. 220.35	
BEING ADDED	
SUB-TOTAL	
LDING	
0/277V 3ph 4W	
DO AMP MAIN SWITCHBOARD IS SUFFICIENT.	

NOTES (FOR SHEETS E4.01 AND E4.02 ONLY):

1 P.G. & E. POWER POLE. VERIFY EXACT LOCATION AND RISER QUADRANT WITH P.G. & PRIOR TO ROUGH-IN.

- 2 NEW CONCRETE PAD FOR P.G. & PROVIDED TRANSFORMER. COORDINATE WITH APPROVED P.G. & DRAWINGS.
- 3 PROVIDE LANDING LUGS PER P.G. & REQUIREMENTS.
- 4 PROVIDE METERING FACILITIES PER P.G. & REQUIREMENTS.
- 5 MAIN CIRCUIT BREAKER SHALL BE 100% RATED ELECTRONIC TYPE, EQUIPPED WITH LONG- TIME, SHORT-TIME, INSTANTANEOUS-OFF TYPE AND GROUND FAULT TYPE CONFIGURATIONS. MAIN CIRCUIT BREAKER SHALL ALSO BE EQUIPPED WITH A TRIP INDICATOR AND LOCAL CURRENT METER. SQUARE D #RK SERIES OR EQUAL.
- 6 1 #3/0 TO GROUNDING ELECTRODE SYSTEM PER DETAIL # 12 /E5.00.
- (7) PROVIDE WITH SPACE AND MOUNTING HARDWARE FOR MINIMUM (6) 400 A FRAMES.
- 8 REFER TO PANEL SCHEDULE ON SHEET E4.03 FOR ADDITIONAL INFORMATION. TYPICAL FOR NEW PANELS SHOWN.

SCOPE OF WORK PURCHASE EQUIPMENT ONLY

(ALL UNDE	RGROUND CONDUCTORS, OF A 480/277V POWER SYSTEM, SHALL BE TYPE
CU-XHHW-	2. ALL OTHER CONDUCTORS, INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR,
SHALL BE (CU-THWN-2 FOR #8 AWG OR LARGER AND CU-THWN FOR #10 AWG OR SMALLER).
AC	3/4°C - 3 #12 + 1 #12 GND.
(20G)	3/4°C - 3 #12 + 1 #12 GND.
(30G)	3/4"C - 3 #10 + 1 #10 GND.
60GN	1°C - 4 #6 + 1 #10 GND.
(100G)	11/2°C - 3 #2 + 1 #8 GND.
(200GN)	2°C - 4 #3/0 + 1 #6 GND.

200GN	2°C - 4 #3/0 +1 #6 GND.	

 $\langle 200G \rangle$ 2"C - 3 #3/O + 1 #6 GND.

 $\langle 225GN \rangle = 21/2^{\circ}C - 4 \# 4/O + 1 \# 4 GND.$

(300GN) 3"C - 4 #250kcmil + 1 #4 GND. **400 3**"C - **3** #500kcmil + 1 #2 GND.

400GN 4"C - 4 #500 kcmil + 1 #2 GND.

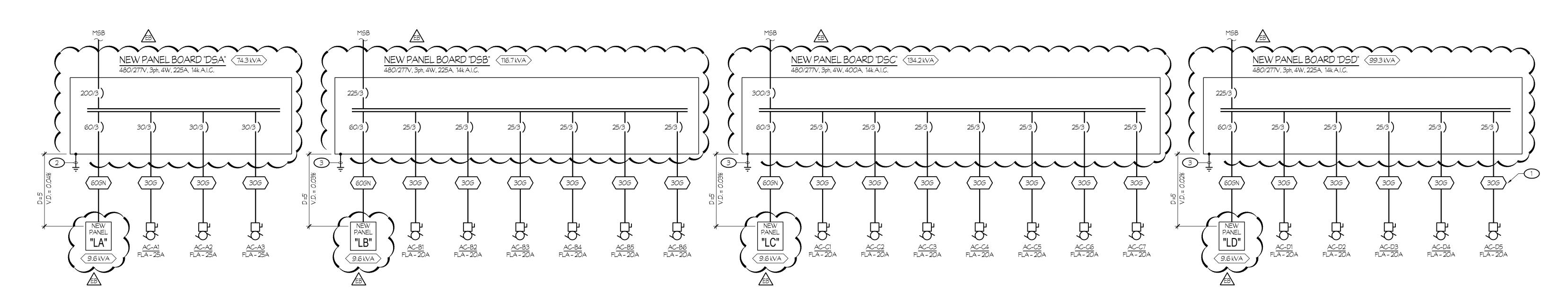
(2) 3"C - 3 #350 kcmil + 1 #1 GND. EACH

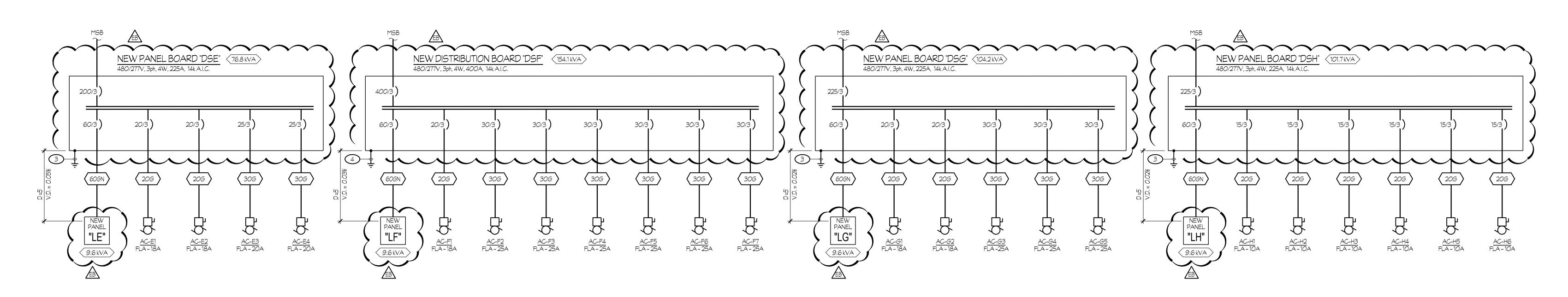














||PURCHASE EQUIPMENT ONLY

SCOPE OF WORK

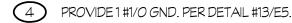
NOTES (THIS SHEET ONLY):

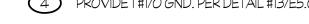
(1) REFER TO FEEDER SCHEDULE ON SHEET E4.01, TYPICAL.

2 PROVIDE 1 #4 GND. PER DETAIL #13/E5.00.

3 PROVIDE 1 #2 GND. PER DETAIL #13/E5.00.

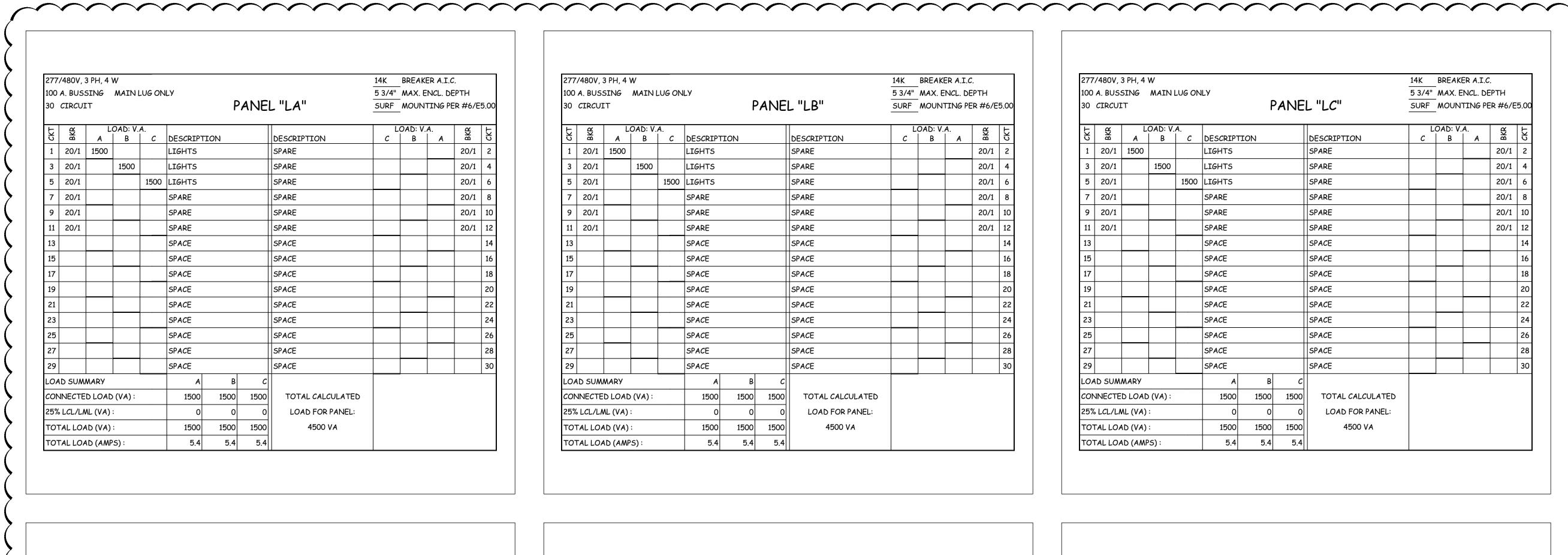
4 PROVIDE 1 #1/0 GND. PER DETAIL #13/E5.00.





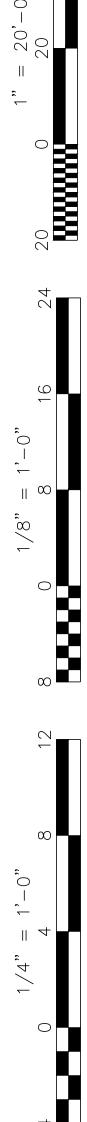






	/480V,			_					14K	-	ER A.I.O		
			MAIN	LUG ON	ILY	-				MAX. E			
30	CIRCUI	T				F	ANE	L "LD"	SURF	MOUN	TING P	ER #6/E	:5.0
СКТ	BKR		OAD: V.							OAD: V.	1	BKR	ł
1	20/1	A	В	С	DESCRIPT: LIGHTS	ION		DESCRIPTION SPARE	С	B	A	20/1	
1 3		1500	1500										
	20/1		1500	4500	LIGHTS			SPARE				20/1	_
5	20/1			1500	LIGHTS			SPARE				20/1	(
7	20/1				SPARE			SPARE				20/1	
9	20/1				SPARE			SPARE				20/1	1
11	20/1				SPARE			SPARE				20/1	1
13					SPACE			SPACE					1
15					SPACE			SPACE					1
17					SPACE			SPACE					1
19					SPACE			SPACE					2
21					SPACE			SPACE					2
23					SPACE			SPACE					2
25					SPACE			SPACE					2
27					SPACE			SPACE					2
29					SPACE			SPACE					3
LOA	D SUM	MARY		<u> </u>	A	В	С				I		
CON	INECTE	D LOAD) (VA) :		1500	1500	1500	TOTAL CALCULATED					
25%	LCL/LA	AL (VA)	:		0 0 0			LOAD FOR PANEL:					
тот	TAL LOA	AD (VA)	:		1500	1500	1500	4500 VA					
	TAL LOA				5.4	5.4	5.4						

mann



CENTRAL PLANT REPLACEMENT

PANEL SCHEDULES

		3 PH, 4 V SING		.UG ON	LY				14K 5 3/4"	BREAK MAX. E	ER A.I.(NCL. DI		
30	CIRCUI	T				F	PANE	L "LB"	SURF	MOUN	TING PI	ER #6/E	5.00
скт	BKR	A	OAD: V. B	A. C	DESCRIPT			DESCRIPTION	L C	.OAD: V. B	A. A	BKR	CKT
1	20/1	1500			LIGHTS			SPARE				20/1	2
3	20/1		1500		LIGHTS			SPARE				20/1	4
5	20/1			1500	LIGHTS			SPARE				20/1	6
7	20/1				SPARE			SPARE				20/1	8
9	20/1				SPARE			SPARE				20/1	10
11	20/1				SPARE			SPARE				20/1	12
13					SPACE			SPACE					14
15					SPACE			SPACE					16
17					SPACE			SPACE					18
19					SPACE			SPACE					20
21					SPACE			SPACE					22
23					SPACE			SPACE					24
25					SPACE			SPACE					26
27					SPACE			SPACE					28
29					SPACE			SPACE					30
LOA	D SUM	MARY			A	В	С				•	•	
CON	DNNECTED LOAD (VA) :			1	1500 1500 1500		TOTAL CALCULATED						
25%	LCL/LN	AL (VA)	:	i	0 0 0			LOAD FOR PANEL:					
тот	TAL LOA	AD (VA)	:		1500	1500	1500	500 4500 VA					
тот	TAL LOA	AD (AMP	5):		5.4	5.4	5.4						

100		3 PH, 4 SING T		LUG ON	ILY	F	PANE	L "LC"		BREAK	NCL. DE	ЕРТН	5.00		
скт	BKR		OAD: V.							OAD: V.	1	BKR	СКТ		
1	20/1	A 1500	В	C	DESCRIPT LIGHTS	LON		DESCRIPTION SPARE	С	В	A	20/1	2		
3	20/1		1500		LIGHTS			SPARE				20/1	4		
5	20/1			1500	LIGHTS			SPARE	_			20/1	6		
7	20/1				SPARE			SPARE				20/1	8		
9	20/1							SPARE				20/1	10		
11	20/1				SPARE			SPARE				20/1	12		
13					SPACE			SPACE					14		
15					SPACE			SPACE					16		
17					SPACE			SPACE					18		
19					SPACE			SPACE					20		
21					SPACE			SPACE					22		
23					SPACE			SPACE					24		
25					SPACE			SPACE					26		
27					SPACE			SPACE					28		
29					SPACE			SPACE					30		
_0A	D SUM	MARY	1		A	В	С			4	1	1	<u> </u>		
CON	INECTE	D LOAD) (VA) :		1500	1500	1500	TOTAL CALCULATED							
25%	LCL/LA	AL (VA)	:		0	0	0	LOAD FOR PANEL:							
тот	TAL LOA	AD (VA)	:	1	1500	1500	1500	4500 VA							
тот	TAL LOA	AD (AMF	?S):		5.4	5.4	5.4								

100		3 PH, 4 ' 5ING T		LUG ON	LY	P	ANE	L "LE"		MAX. E		-	5.00
скт	BKR	L	OAD: V. B	A. C	DESCRIPTI			DESCRIPTION	L C	OAD: V. B	A. A	BKR	скт
1	20/1	1500			LIGHTS			SPARE				20/1	2
3	20/1		1500		LIGHTS			SPARE				20/1	4
5	20/1			1500	LIGHTS			SPARE				20/1	6
7	20/1				SPARE			SPARE				20/1	8
9	20/1				SPARE			SPARE				20/1	10
11	20/1				SPARE			SPARE				20/1	12
13					SPACE			SPACE					14
15					SPACE			SPACE					16
17				-	SPACE			SPACE					18
19					SPACE			SPACE					20
21					SPACE			SPACE					22
23					SPACE			SPACE					24
25					SPACE			SPACE					26
27					SPACE			SPACE					28
29					SPACE			SPACE					30
.0A	D SUM	MARY			A	В	С						
CON	INECTE	D LOAD	(VA) :		1500	1500	1500	TOTAL CALCULATED					
25%	LCL/LA	AL (VA)	:		0 0 0		LOAD FOR PANEL:						
гот	TAL LOA	ND (VA)	:		1500	1500	1500	4500 VA					
гот	TAL LOA	D (AMP	S):	1	5.4	5.4	5.4						

		3 PH, 4 V							14K	_	ER A.I.C		
		SING	MAINI	LUG ON	LY	r							
30	CIRCUI	. 1				ſ	AINE	L "LF"	SURF	MOUN	I ING P	ER #0/E	:5.0
СКТ	BKR		OAD: V.							.OAD: V.		BKR	СKT
1	20/1	A 1500	В	С	DESCRIPT: LIGHTS	LON		DESCRIPTION SPARE	C	В	A	20/1	2
3	20/1		1500		LIGHTS			SPARE				20/1	4
5	20/1			1500	LIGHTS			SPARE				20/1	6
7	20/1				SPARE			SPARE				20/1	8
9	20/1				SPARE			SPARE				20/1	10
11	20/1				SPARE SPARE			SPARE				20/1	12
13					SPACE			SPACE					14
15					SPACE			SPACE					16
17					SPACE			SPACE					18
19					SPACE			SPACE					20
21					SPACE			SPACE					22
23					SPACE			SPACE					24
25					SPACE			SPACE					26
27					SPACE			SPACE					28
29					SPACE			SPACE					30
LOA	D SUM	MARY			A	В	С						
CON	INECTE	D LOAD	(VA) :		1500	1500	1500	TOTAL CALCULATED					
25%	LCL/LN	AL (VA)	:		0 0 0			0 LOAD FOR PANEL:					
тот	AL LOA	AD (VA)	:		1500	1500	1500	500 4500 VA					
тот	AL LOA	AD (AMP	'S):		5.4	5.4	5.4						

		3 PH, 4 V SING		UG ON	LУ				14K 5 3/4"	-	ER A.I.C NCL. DE		
	CIRCUI					F	PANE	l "lg"		-	TING PE		5.00
скт	BKR	L L	DAD: V. B	A. C	DESCRIPT	TON		DESCRIPTION	C	OAD: V. B	A. A	BKR	СКТ
1	20/1	1500			LIGHTS			SPARE				20/1	2
3	20/1		1500		LIGHTS			SPARE				20/1	4
5	20/1			1500	LIGHTS			SPARE				20/1	6
7	20/1				SPARE			SPARE				20/1	8
9	20/1				SPARE			SPARE				20/1	10
11	20/1				SPARE			SPARE				20/1	12
13					SPACE			SPACE					14
15					SPACE			SPACE					16
17					SPACE			SPACE					18
19					SPACE			SPACE					20
21					SPACE			SPACE					22
23					SPACE			SPACE					24
25					SPACE			SPACE					26
27					SPACE			SPACE					28
29					SPACE			SPACE					30
LOA	D SUM	MARY			A	В	С				•		
CON	INECTE	D LOAD	(VA) :		1500 1500 1500		TOTAL CALCULATED						
25%	LCL/LA	NL (VA)	:		0 0 0			LOAD FOR PANEL:					
тот	FAL LOA	AD (VA)	:	ı	1500	1500	1500	4500 VA					
тот	TAL LOA	AD (AMP	S):		5.4	5.4	5.4						

100				LUG ON	ILY		Ρ	ANE	L "LG"	5 3/4"	BREAKE MAX. E MOUN1	NCL. D	EPTH	5.00	100		7, 3 PH, 4 SSING JIT		LUG ON	ILY	F	PANE	L "LH"	5 3/4"	_	R A.I.C. NCL. DEPTH TING PER #6/	/8
скт	BKR	A	LOAD: V B		DESCRIF	PTION	١		DESCRIPTION	C I	LOAD: V./	A. A	BKR	СKT	скт	BKR	A	LOAD: V		DESCRIPTI	ON		DESCRIPTION	L C	.OAD: V.A	A. 22 A 23	
1	20/1	1500			LIGHTS				SPARE				20/1	2	1	20/1	1500			LIGHTS			SPARE			20/1	1
3	20/1		1500		LIGHTS				SPARE				20/1	4	3	20/1		1500		LIGHTS			SPARE			20/1	1
5	20/1			1500	LIGHTS				SPARE				20/1	6	5	20/1			1500	LIGHTS			SPARE			20/1	1
7	20/1				SPARE				SPARE				20/1	8	7	20/1				SPARE			SPARE			20/1	1
9	20/1				SPARE				SPARE				20/1	10	9	20/1				SPARE			SPARE			20/1	1
11	20/1				SPARE				SPARE				20/1	12	11	20/1				SPARE			SPARE			20/1	1
13					SPACE				SPACE					14	13					SPACE			SPACE				
15					SPACE				SPACE					16	15					SPACE			SPACE				
17					SPACE				SPACE					18	17					SPACE			SPACE				
19					SPACE				SPACE					20	19					SPACE			SPACE				
21					SPACE				SPACE					22	21					SPACE			SPACE				
23					SPACE				SPACE					24	23					SPACE			SPACE				
25					SPACE				SPACE					26	25					SPACE			SPACE				
27					SPACE				SPACE					28	27					SPACE			SPACE				
29					SPACE				SPACE					30	29					SPACE			SPACE				
LOA	D SUN	MARY			P P	٩	В	С							LO	AD SU	MMARY			A	В	С					
CON	INECTE	ED LOA	D (VA) :		1500	ו	1500	1500	TOTAL CALCULATED						COI	NNECT	ED LOA	D (VA) :		1500	1500	1500	TOTAL CALCULATED				
25%	LCL/L	ML (VA):		(ו	0	0	LOAD FOR PANEL:						25%	6 LCL/I	LML (VA)):		0	0	0	LOAD FOR PANEL:				
тот	TAL LO	AD (VA):		1500	ו	1500	1500	4500 VA						то	TAL LO	DAD (VA)):		1500	1500	1500	4500 VA				
тот	FAL LO	AD (AM	PS) :		5.4	1	5.4	5.4							то	TAL LO	DAD (AM	PS):		5.4	5.4	5.4					

SCALE:

EB

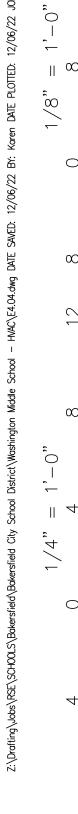


PURCHASE EQUIPMENT ONLY

SCOPE OF WORK



Image: Horizon de la construction LOAD: V.A. Description 1 20/1 1440 (E) LOAD (E) LOAD		42 CIRCUIT PANEL "B"	SURF MOUNTING	225 A. BUSSING 225 A. MAIN BKR. 42 CIRCUIT PANEL "C"	5 3/4" MAX. ENCL. DEPTH SURF MOUNTING	225 A. BUSSING 225 A. MAIN BKR. 42 CIRCUIT PANEL "D" 5 3/4" MAX. ENCL. DEPTH SURF MOUNTING
3 20/1 1000 (E) LOAD (E) LOAD 5 20/1 12200 (E) LOAD (E) LOAD 7 20/1 1000 RECEPT. RECEPT. 9 20/1 1000 RECEPT. (E) LOAD 11 20/1 1000 RECEPT. (E) LOAD 13 20/1 1000 RECEPT. (E) LOAD 15 20/1 500 (E) LOAD (E) LOAD 17 20/1 1050 (E) LOAD SPARE 19 20/1 1050 (E) LOAD SPARE 21 20/1 SPARE SPARE SPARE 23 20/1 SPARE SPARE SPARE 24 20/1 SPARE SPARE SPARE 25 20/1 SPARE SPARE SPARE 29 20/1 SPARE SPARE SPARE 33 20/1 SPARE SPARE SPARE 33 20/1 SPARE SPARE SPARE 33 20/1 SPARE SPARE	NEL:	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	D	$ \begin{array}{ c c c c c c } \hline \begin{matrix} \begin{matrix} L \\ \\ \hline \\ \\ \hline \\$		E E A B C DESCRIPTION C B C 0 2250 3 1 30/1 2250 (E) LOAD (E) LOAD (E) LOAD 2250 3 3 30/1 2250 (E) LOAD (E) LOAD 2250 3 7 30/1 2250 (E) LOAD (E) LOAD 2250 3 9 30/1 2250 (E) LOAD (E) LOAD 2250 3 1 20/1 2250 (E) LOAD (E) LOAD 2250 3 1 20/1 1550 (E) LOAD (E) LOAD 2250 3 1 20/1 1000 RECEPT. (E) LOAD 1000 2 2 1 20/1 1000 RECEPT. RECEPT. 1000 2 2 19 20/1 100 SPARE AIR PURIFIER 600 2 2 10 20 SPARE AIR PURIFIER 600



PANEL SCHEDULES **CENTRAL PLANT REPLACEMENT**

PURCHASE

EQUIPMENT ONLY

SCOPE OF WORK

		PANE	EL "F"	-	BREAK MAX. E MOUNT				10	20/208V, 3 00 A. BUS 2 CIRCUI	SING	/ Mlo a.	MAIN B	šK
ESCRIPTIC	N		DESCRIPTION	L C	OAD: V. B	A. A	BKR	CKT	CKT	BKR	L A	OAD: V. B	A. C	Ī
E) LOAD			(E) LOAD			500	20/1	2	1		500			(
E) LOAD			(E) LOAD		500		20/1	4	3	3 20/1		500		(
E) LOAD			(E) LOAD	500			20/1	6	5	5 20/1			500	(
E) LOAD			(E) LOAD			500	20/1	8	7	20/1	500			(
E) LOAD			(E) LOAD		500		20/1	10	9	20/1		500	<u> </u>	(
IR PURIFIE	R		SPARE				20/1	12	1	1 20/1			500	(
PARE			SPARE				20/1	14	1:	3 20/1	500			1
PARE			SPARE				20/1	16	1	5 20/1		500		T(
PARE			SPARE				20/1	18	1	7 20/1			500	Ī
PARE			SPARE				20/1	20	1	9 20/1	500			(
PARE			SPARE				20/1	22	2	1 20/1		500		(
PARE			SPARE				20/1	24	23	3 20/1			800	1
PARE			SPARE				20/1	26	2	5 20/1	800			1
PARE			SPARE				20/1	28	2	7 20/1		800		1
PARE			SPARE				20/1	30	29	9 20/1				5
PARE			SPARE				20/1	32	3	1 20/1				3
PARE			SPARE				20/1	34	3	3 20/1				3
PARE			SPARE				20/1	36	3	5 20/1				5
ECEPT R	ROOF							38	3	7 20/1	360			F
IECHANICA	AL CONT	ROLS	(E) LOAD				50/3	40	3	9 20/1		500		I
IRE ALARM	1 "P.E.P	F"						42	4	1 20/1				3
А	В	С							LC	DAD SUMI	MARY			
2360	2500	2300	TOTAL CALCULATED						CC	ONNECTE	ED LOAD) (VA) :		
0	0	0	LOAD FOR PANEL:						25	5% LCL/LN	/IL (VA) :			
2360	2500	2300	7160 VA						тс	OTAL LOA	JD (VA) :			
19.7	20.8	19.2							тс	OTAL LOA	D (AMP	S) :		ſ

	208V, 3	9 PH, 4 W	/				10K	BREAK	ER A.I.C			120/2	208V, 3	3 PH, 4 W	/						10K	BREAK	ER A.I.C	
							5 3/4" MAX. ENCL. DEPTH					225 A. BUSSING 225 A. MAIN BKR.								5 3/4" MAX. ENCL. DEPTH			PTH	
42 (CIRCUI	IT			PANI	EL "G"	SURF	MOUNT	ΓING			42	CIRCL	JIT				F	PANE	EL "W"	SURF		TING PEF	२_/
LOAD: V.A. C A B C DESCRIPTION			LOAD: V.A. K			¥	レンジン ビング LOAD: V.A. ど									OAD: V.A.		BKR						
0 1		A	В	С			С	B	A			Ū		A	В	С	DESCRIPTION				С	В	A	
	20/1	500	500		(E) LOAD	(E) LOAD		500	500	20/1	2	1	20/1	1500			(E) LOAD			(E) LOAD			1500	20/1
3	20/1		500		(E) LOAD	(E) LOAD		500		20/1	4	3	20/1		1500		(E) LOAD			(E) LOAD		1500	┌───┤	20/1
5	20/1	500		500	(E) LOAD	(E) LOAD	500			20/1	6	5	20/1			1500	(E) LOAD			(E) LOAD	1500			20/1
7	20/1	500			(E) LOAD	(E) LOAD			500	20/1	8	7	20/1	1500			(E) LOAD			(E) LOAD			1500	20/1
9	20/1		500		(E) LOAD	(E) LOAD		500		20/1	10	9	20/1		1550		(E) LOAD			RECEPT.		1000		20/1
11	20/1			500	(E) LOAD	(E) LOAD	500			20/1	12	11	20/1			1000	RECEPT.			RECEPT.	1000			20/1
13	20/1	500			(E) LOAD	(E) LOAD			500	20/1	14	13	20/1	1000			RECEPT.			RECEPT.			1000	20/1
15	20/1		500		(E) LOAD	(E) LOAD		500		20/1	16	15	20/1		1000		RECEPT.			RECEPT.		1000		20/1
17	20/1			500	(E) LOAD	(E) LOAD	500			20/1	18	17	20/1			1000	RECEPT.			(E) LOAD	800			20/1
19	20/1	500			(E) LOAD	(E) LOAD			500	20/1	20	19	20/1	500			(E) LOAD			SPARE				20/1
21	20/1		500		(E) LOAD	(E) LOAD		500		20/1	22	21	20/1				SPARE			SPARE				20/1
23	20/1			800	AIR PURIFIER	SPARE				20/1	24	23	20/1				SPARE			SPARE				20/1
25	20/1	800			AIR PURIFIER	SPARE				20/1	26	25		3000		i	OVEN RANGE			OVEN RANGE			3000	
27	20/1		800		AIR PURIFIER	SPARE				20/1	28	27	50/2		3000							3000		50/2
29	20/1				SPARE	SPARE				20/1	30	29				3000	OVEN RANGE				3000			
31	20/1				SPARE	SPARE				20/1	32	31	50/2	3000						OVEN RANGE			3000	50/2
33	20/1				SPARE	SPARE				20/1	34	33	20/1				SPARE			SPARE				20/1
					SPARE	SPARE				20/1	36	35	20/1				SPARE			SPARE				20/1
35	20/1										20												 	20/1
	20/1 20/1	360			RECEPT ROOF						38		20/1				ISPARE			SPARE			' i	
37		360	500		RECEPT ROOF MECHANICAL CONTROLS	SPACE					40	37	20/1				SPARE			SPARE				
37 39	20/1	360	500			SPACE						37 39	20/1				SPARE			RECEPT ROOF	500			20/1
37 39 41	20/1 20/1		500		MECHANICAL CONTROLS						40	37 39 41	20/1 20/1				SPARE SPARE			RECEPT ROOF MECHANICAL CONTROLS	500			
37 39 41 LOAI	20/1 20/1 20/1 D SUMI				MECHANICAL CONTROLS						40	37 39 41 LOA	20/1 20/1 D SUN				SPARE SPARE A	B	C	RECEPT ROOF MECHANICAL CONTROLS	500			20/1
37 39 41 LOAI	20/1 20/1 20/1 D SUMI INECTE	MARY	(VA) :		MECHANICAL CONTROLS SPARE A B C						40	37 39 41 LOA	20/1 20/1 D SUN NECT	ED LOAD	. ,		SPARE SPARE	B 13550	13300	RECEPT ROOF MECHANICAL CONTROLS TOTAL CALCULATED	500			20/1
37 39 41 LOAI CON 25%	20/1 20/1 20/1 D SUMI INECTE LCL/LN	MARY	(VA) :		MECHANICAL CONTROLS SPARE A B C 5160 5300 3800	TOTAL CALCULATED					40	37 39 41 LOAI CON 25%	20/1 20/1 D SUM NECT LCL/L	ed load Ml (VA) :			SPARE SPARE A 20500 0	13550 0	13300 0	RECEPT ROOF MECHANICAL CONTROLS TOTAL CALCULATED LOAD FOR PANEL:	500			20/1
37 39 41 LOAI CON 25%	20/1 20/1 D SUMI INECTE LCL/LN AL LOA	Mary Ed Load ML (VA) :	(VA) :		MECHANICAL CONTROLS SPARE A B CC 5160 5300 3800 0 0 0	TOTAL CALCULATED LOAD FOR PANEL: 14260 VA					40	37 39 41 LOAI CON 25% TOT/	20/1 20/1 D SUN NECT LCL/L	ED LOAD			SPARE SPARE A		13300	RECEPT ROOF MECHANICAL CONTROLS TOTAL CALCULATED LOAD FOR PANEL: 47350 VA	500			20/1

V	/ 225 A. I	Main Br	ƙR.		PANE	EL "B"	10K 5 3/4" SURF								
L	OAD: V.							OAD: V.	A.	BKR	CKT				
	В	С	DESCRIPT	ION		DESCRIPTION	С	В	A		-				
)			(E) LOAD			(E) LOAD			2250	30/1	2				
	2250		(E) LOAD			(E) LOAD		2250		30/1	4				
		2250	(E) LOAD			(E) LOAD	2250			30/1	6				
)			(E) LOAD			(E) LOAD			2250	30/1	8				
	2250		(E) LOAD			(E) LOAD		2250		30/1	10				
		2250	(E) LOAD			(E) LOAD	2250			30/1	12				
)			(E) LOAD			(E) LOAD			1000	20/1	14				
	1000		RECEPT.			RECEPT.		1000		20/1	16				
		1000	RECEPT.			AIR PURIFIER	600			20/1	18				
			AIR PURIF	IER		AIR PURIFIER			600	20/1	20				
	600		AIR PURIF	IER		AIR PURIFIER		600		20/1	22				
		600 AIR PURIFIER				SPARE				20/1	24				
			SPARE			SPARE				20/1	26				
			SPARE			SPARE				20/1	28				
			SPARE			SPARE				20/1	30				
			SPARE			SPARE				20/1	32				
			SPARE			SPARE				20/1	34				
			SPARE			SPARE				20/1	36				
_			SPARE			SPARE				20/1	38				
			SPARE			RECEPT ROOF		1080		20/1	40				
			FIRE ALAR	RM "P.E.P.	-B"	MECHANICAL CONTROLS	500			20/1	42				
	1	L	A	В	С						1				
) (VA) :		12600	13280	11700	TOTAL CALCULATED									
):			0	0	0	LOAD FOR PANEL:									
:			12600	13280	11700	37580 VA									
	S):		105.0	110.7	97.5										

225	208V, 3 A. BUSS CIRCUI		/ 225 A. I	Main Bł	KR.		EL "C"		BREAKER A.I.C. MAX. ENCL. DEPTH MOUNTING					
СКТ	BKR		OAD: V.							OAD: V.	BKR	CKT		
1	 30/1	A 2250	В	С	DESCRIPT (E) LOAD	ION		DESCRIPTION (E) LOAD	С	В	A 2250	 30/1	2	
3	30/1	2200	2250		(E) LOAD			(E) LOAD		2250	2200	30/1	4	
5	30/1			2250	(E) LOAD			(E) LOAD	2250			30/1	6	
7	30/1	2250			(E) LOAD			(E) LOAD			2250	30/1	8	
9	30/1		2250		(E) LOAD			(E) LOAD		2250		30/1	10	
11	20/1			1500	(E) LOAD			(E) LOAD	1500			20/1	12	
13	20/1	1500			(E) LOAD			(E) LOAD			1500	20/1	14	
15	20/1		1360		(E) LOAD			(E) LOAD		1000		20/1	16	
17	20/1			1000	RECEPT.			RECEPT.	1000			20/1	18	
19	20/1	1000			RECEPT.			SPARE				20/1	20	
21	20/1		600		AIR PURIFIER			(E) LOAD		500		20/1	22	
23	20/1			600	AIR PURIFIER			AIR PURIFIER	600			20/1	24	
25	20/1	600			AIR PURIF	IER		AIR PURIFIER			600	20/1	26	
27	20/1			,	SPARE			SPARE				20/1	28	
29	20/1				SPARE			SPARE				20/1	30	
31	20/1				SPARE			SPARE				20/1	32	
33	20/1				SPARE			SPARE				20/1	34	
35	20/1				SPARE			SPARE				20/1	36	
37	20/1				SPARE			SPARE				20/1	38	
39	20/1				SPARE			RECEPT ROOF		1080		20/1	40	
41	20/1				SPARE			MECHANICAL CONTROLS	500			20/1	42	
LOA	D SUMI	MARY			A	В	С							
CON	NECTE	D LOAD) (VA) :		14200	13540	11200	TOTAL CALCULATED						
25%	LCL/LN	/IL (VA) :			0	0	0	LOAD FOR PANEL:						
тот	AL LOA	D (VA) :			14200	13540	11200	38940 VA						
тот	AL LOA	D (AMP	S):		118.3	112.8	93.3							

EB

120/	208V, 3	PH, 4 W	1						10K	-	ER A.I.C			
	A. BUSS		225 A. I	MAIN BK	KR.			5 3/4" MAX. ENCL. DEPTH						
42	CIRCUI	Т					PANE	EL "D"	SURF	MOUNT	TING			
CKT	BKR	L	OAD: V.						1	OAD: V.	A.	BKR	CKT	
		A	В	С	DESCRIPT	ON		DESCRIPTION	С	В	A		+	
1	30/1	2250			(E) LOAD			(E) LOAD			2250	30/1	2	
3	30/1		2250		(E) LOAD			(E) LOAD		2250		30/1	4	
5	30/1			2250	(E) LOAD			(E) LOAD	2250			30/1	6	
7	30/1	2250			(E) LOAD			(E) LOAD			2250	30/1	8	
9	30/1		2250		(E) LOAD			(E) LOAD		2250		30/1	1	
11	20/1			1350	(E) LOAD			(E) LOAD	1300			20/1	1:	
13	20/1	900			(E) LOAD			RECEPT.			1000	20/1	1.	
15	20/1		1000		RECEPT.			RECEPT.		1000		20/1	1	
17	20/1			500	(E) LOAD			AIR PURIFIER	600			20/1	1	
19	20/1				SPARE			AIR PURIFIER			600	20/1	2	
21	20/1				SPARE			AIR PURIFIER		600		20/1	2	
23	20/1				SPARE			AIR PURIFIER	600			20/1	24	
25	20/1				SPARE			AIR PURIFIER			600	20/1	2	
27	20/1				SPARE			SPARE				20/1	2	
29	20/1				SPARE			SPARE				20/1	3	
31	20/1				SPARE			SPARE				20/1	3	
33	20/1				SPARE			SPARE				20/1	34	
35	20/1				SPARE			SPARE				20/1	3	
37	20/1				SPARE			SPARE				20/1	3	
39	20/1				SPARE			RECEPT ROOF		900		20/1	4	
41	20/1				SPARE			MECHANICAL CONTROLS	500			20/1	4	
LOA		MARY			А	В	С			<u></u>			_ L	
CON	INECTE	D LOAD	(VA) :		12100	12500	9350	TOTAL CALCULATED						
25%	LCL/LN	1L (VA) :			0	0	0	LOAD FOR PANEL:						
тот	AL LOA	D (VA) :			12100	12500	9350	33950 VA						
тот		TOTAL LOAD (AMPS): 12100 12000 33300 TOTAL LOAD (AMPS): 100.8 104.2 77.9												

TYPICAL PANEL SCHEDULE NOTES:

(1) PROVIDE A LOCK-ON DEVICE AT THIS CIRCUIT BREAKER. "RED IN COLOR". SPACEAGE #ELOCK-FA OR EQUAL. PROVIDE AN ENGRAVED NAMEPLATE: "FIRE ALARM CIRCUIT", WHITE LETTERS ON A RED BACKGROUND. MOUNT NAMEPLATE ONTO INTERIOR TRIM AND ADJACENT TO CIRCUIT BREAKER.





