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SHUNTED PANELBOARD SCHEDULE - 'S3' CARPENTRY

MAIN: 200A MCB | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000 | NOTES:

CKT #	BKR TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND SIZE	WIRE SIZE	POLE	BKR TRIP	CKT #
1	20	1	12	3/4"	RECEPT - GENERAL		1.0								0.4						RECEPT - GENERAL	3/4"	12	1	20	2
3	20	1	12	3/4"	RECEPT - EXTERIOR		0.4									0.8					DRILL PRESS	3/4"	12	1	20	4
5	20	1	12	3/4"	RECEPT - EXTERIOR		0.4									1.0					CHOP SAW	3/4"	12	1	20	6
7	20	1	12	3/4"	CORD REEL (GFI BREAKER)			0.5								0.8					BAND SAW	3/4"	12	1	20	8
9	20	1	12	3/4"	CORD REEL (GFI BREAKER)			1.0								0.8					BAND SAW	3/4"	12	1	20	10
11	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									1.2					LARGE LATHE	3/4"	12	1	20	12
13	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									1.2					LARGE LATHE	3/4"	12	1	20	14
15	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									0.8					SMALL LATHE	3/4"	12	1	20	16
17	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									0.8					SMALL LATHE	3/4"	12	1	20	18
19	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									1.0					GRINDER	3/4"	12	1	20	20
21	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									1.0					GRINDER	3/4"	12	1	20	22
23	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									0.7					SCROLL SAW	3/4"	12	1	20	24
25	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									0.7					SCROLL SAW	3/4"	12	1	20	26
27	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									0.7					SCROLL SAW	3/4"	12	1	20	28
29	20	1	12	3/4"	AIR FILTER (2)			0.8								0.7					SCROLL SAW	3/4"	12	1	20	30
31	20	1	12	3/4"	AIR FILTER (2)			0.8								0.9					BELT SANDER	3/4"	12	1	20	32
33	25	2	12	3/4"	DUST COLLECTOR 3-#10 & 1-#10G IN 3/4"C			1.2													SPARE			1	20	34
35								1.2													SPARE			1	20	36
37	20	1			SPARE											5.8					DUST COLLECTION 3-#3 & 1-#8G IN 1.5"C	1 1/2"	3	3	90	38
39	20	1			SPARE											5.8										40
41	20	1			SPARE											5.8										42
43	20	1			SPARE																SPARE			1	20	44
45	20	1			SPARE																SPARE			1	20	46
47	20	1			SPARE																SPARE			1	20	48
49	20	1			SPARE																SPARE			1	20	50
51	20	1			SPARE																SPACE			1		52
53	20	1	12	3/4"	EMERGENCY SWITCH							0.1									SPACE			1		54
55	30	3	10	3/4"	TVSS 3-#10 & 1-#10G IN 3/4"C																SPACE			1		56
57																					SPACE			1		58
59																					SPACE			1		60
LIGHTING (KVA):					0.0	0.0	3.6	5.6	0.0	0.0	0.0	0.1		0.0	0.4	30.5	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):					40.2

RECEPTACLES (KVA): 4.0 | DEMAND LOAD (KVA): 44.5
MOTORS (KVA): 36.1 | PHASE A 14 114.2
A/C (KVA): 0.0 | PHASE B 13 109.6 | CONNECTED LOAD (AMPS): 111.6
HEATING (KVA): 0.0 | PHASE C 13 111.2 | DEMAND LOAD (AMPS): 123.6
KITCHEN (KVA): 0.0 | KVA AMPS
MISCELLANEOUS (KVA): 0.1
NOTES: PANEL TO BE PROVIDED WITH SHUNT TRIP THAT CUTS OFF ALL POWER BY ACTIVATION OF PUSH BUTTON EMERGENCY STOP

3

SHUNTED PANELBOARD SCHEDULE - 'S4' WELDING

MAIN: 200A MCB | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000 | NOTES:

CKT #	BKR TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND SIZE	WIRE SIZE	POLE	BKR TRIP	CKT #
1	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9				1.6					SAW 4-#8 & 1-#10G IN 1"C	1"	6	3	50	2
3												2.9				1.6										4
5	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9				1.6										6
7												2.9			0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	8
9	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9			0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	10
11												2.9			0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	12
13	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9									SPARE			1	20	14
15												2.9				1.6					PUNCH PRESS 4-#12 & 1-#12G IN 3/4"C	3/4"	12	3	20	16
17	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9				1.6										18
19												2.9				1.6										20
21	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9			0.4						RECEPT - GENERAL	3/4"	12	1	20	22
23												2.9			0.6						RECEPT - GENERAL	3/4"	12	1	20	24
25	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9			0.6						RECEPT - GENERAL	3/4"	12	1	20	26
27												2.9			0.4						RECEPT - EXTERIOR	3/4"	12	1	20	28
29	20	1			SPARE										0.4						RECEPT - EXTERIOR	3/4"	12	1	20	30
31	20	1			SPARE																SPARE			1	20	32
33	20	1			SPARE																SPARE			1	20	34
35	20	1	12	3/4"	EMERGENCY SWITCH							0.1									SPARE			1	20	36
37	30	3	10	3/4"	TVSS 3-#10 & 1-#10G IN 3/4"C																SPARE			1	20	38
39																					SPARE			1	20	40
41																					SPARE			1	20	42
LIGHTING (KVA):					0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9		0.0	3.0	9.5	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):					53.4

RECEPTACLES (KVA): 3.0 | DEMAND LOAD (KVA): 54.6
MOTORS (KVA): 9.5 | PHASE A 19 154.4
A/C (KVA): 0.0 | PHASE B 19 156.1 | CONNECTED LOAD (AMPS): 148.1
HEATING (KVA): 0.0 | PHASE C 16 134.3 | DEMAND LOAD (AMPS): 151.4
KITCHEN (KVA): 0.0 | KVA AMPS
MISCELLANEOUS (KVA): 40.9
NOTES: PANEL TO BE PROVIDED WITH SHUNT TRIP THAT CUTS OFF ALL POWER BY ACTIVATION OF PUSH BUTTON EMERGENCY STOP

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SHUNTED PANELBOARD SCHEDULE - 'S5' WELDING

MAIN: 400A MCB | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000 | NOTES:

CKT #	BKR TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND SIZE	WIRE SIZE	POLE	BKR TRIP	CKT #
1	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9				2.1					CNC 3-#10 & 1-#10G IN 3/4"C	3/4"	10	2	30	2
3												2.9				2.1										4
5	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9			0.2						CORD REEL	3/4"	12	1	20	6
7												2.9			0.2						CORD REEL	3/4"	12	1	20	8
9	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9			0.2						CORD REEL	3/4"	12	1	20	10
11												2.9				1.2					DRILL PRESS	3/4"	12	1	20	12
13	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9				1.2					GRINDER	3/4"	12	1	20	14
15												2.9									SPARE			1	20	16
17	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9									SPARE			1	20	18
19												2.9									SPARE			1	20	20
21	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9									SPARE			1	20	22
23												2.9									SPARE			1	20	24
25	50	2	6	1 1/4"	WELDER 3-#6 & 1-#10G IN 1.25"C							2.9									SPARE			1	20	26
27												2.9									SPARE			1	20	28
29	20	1			SPARE																SPARE			1	20	30
31	20	1			SPARE									0.0	0.0	8.6	0.0	0.0	0.0	0.0	PANEL F1 4-#3 & 1-#6G IN 1.5"C	1 1/2"	3▲	3	80	32
33	20	1			SPARE									0.0	0.0	5.8	0.0	0.0	0.0	0.0						34
35	20	1	12	3/4"	EMERGENCY SWITCH							0.1		0.0	0.0	5.8	0.0	0.0	0.0	0.0						36
37	30	3	10	3/4"	TVSS 3-#10 & 1-#10G IN 3/4"C									0.0	0.0	8.6	0.0	0.0	0.0	0.0	PANEL F2 4-#3 & 1-#6G IN 1.5"C	1 1/2"	3▲	3	80	38
39														0.0	0.0	5.8	0.0	0.0	0.0	0.0						40
41														0.0	0.0	5.8	0.0	0.0	0.0	0.0						42
LIGHTING (KVA):					0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.9		0.0	0.6	46.9	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):					88.3

RECEPTACLES (KVA): 0.6 | DEMAND LOAD (KVA): 89.4
MOTORS (KVA): 46.9 | PHASE A 35 294.3
A/C (KVA): 0.0 | PHASE B 28 236.3 | CONNECTED LOAD (AMPS): 245.2
HEATING (KVA): 0.0 | PHASE C 25 205.6 | DEMAND LOAD (AMPS): 248.1
KITCHEN (KVA): 0.0 | KVA AMPS
MISCELLANEOUS (KVA): 40.9
NOTES: PANEL TO BE PROVIDED WITH SHUNT TRIP THAT CUTS OFF ALL POWER BY ACTIVATION OF PUSH BUTTON EMERGENCY STOP
▲ INDICATES THAT WIRE SIZE HAS BEEN INCREASED FOR VOLTAGE DROP.

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BRL DEMAND CALCS

LIGHTING		0.00	KVA X 125 % =	0.0 KVA
RECEPTAC	TOTAL	1.00	KVA	
	1ST	10.00	KVA X 100 % =	1.0 KVA
	REMAIN	0.00	KVA X 50 % =	0.0 KVA
MOTORS		0.00	KVA X 100 % =	0.0 KVA
	LARGEST	1.44	KVA X 125 % =	1.8 KVA
A/C		0.00	KVA X 100 % =	0.0 KVA
HEATING		0.00	KVA X 100 % =	0.0 KVA
FUTURE		_____	KVA X 100 % =	0.0 KVA
KITCHEN		0.00	KVA X 65 % =	0.0 KVA
MISCELLANEOUS		3.80	KVA X 100 % =	3.8 KVA
TOTAL =		18.3 amps	=	6.6 KVA

S3 DEMAND CALCS

LIGHTING		0.00	KVA X 125 % =	0.0 KVA
RECEPTAC	TOTAL	4.00	KVA	
	1ST	10.00	KVA X 100 % =	4.0 KVA
	REMAIN	0.00	KVA X 50 % =	0.0 KVA
MOTORS		18.70	KVA X 100 % =	18.7 KVA
	LARGEST	17.40	KVA X 125 % =	21.8 KVA
A/C		0.00	KVA X 100 % =	0.0 KVA
HEATING		0.00	KVA X 100 % =	0.0 KVA
FUTURE		_____	KVA X 100 % =	0.0 KVA
KITCHEN		0.00	KVA X 65 % =	0.0 KVA
MISCELLANEOUS		0.10	KVA X 100 % =	0.1 KVA
TOTAL =		123.6 amps	=	44.5 KVA

S1 DEMAND CALCS

LIGHTING		0.00	KVA X 125 % =	0.0 KVA
RECEPTAC	TOTAL	4.80	KVA	
	1ST	10.00	KVA X 100 % =	4.8 KVA
	REMAIN	0.00	KVA X 50 % =	0.0 KVA
MOTORS		39.60	KVA X 100 % =	39.6 KVA
	LARGEST	4.40	KVA X 125 % =	5.5 KVA
A/C		0.00	KVA X 100 % =	0.0 KVA
HEATING		0.00	KVA X 100 % =	0.0 KVA
FUTURE		_____	KVA X 100 % =	0.0 KVA
KITCHEN		0.00	KVA X 65 % =	0.0 KVA
MISCELLANEOUS		0.10	KVA X 100 % =	0.1 KVA
TOTAL =		138.8 amps	=	50.0 KVA

S4 DEMAND CALCS

LIGHTING		0.00	KVA X 125 % =	0.0 KVA
RECEPTAC	TOTAL	3.00	KVA	
	1ST	10.00	KVA X 100 % =	3.0 KVA
	REMAIN	0.00	KVA X 50 % =	0.0 KVA
MOTORS		4.75	KVA X 100 % =	4.8 KVA
	LARGEST	4.75	KVA X 125 % =	5.9 KVA
A/C		0.00	KVA X 100 % =	0.0 KVA
HEATING		0.00	KVA X 100 % =	0.0 KVA
FUTURE		_____	KVA X 100 % =	0.0 KVA
KITCHEN		0.00	KVA X 65 % =	0.0 KVA
MISCELLANEOUS		40.87	KVA X 100 % =	40.9 KVA
TOTAL =		151.4 amps	=	54.6 KVA

S2 DEMAND CALCS

LIGHTING		0.00	KVA X 125 % =	0.0 KVA
RECEPTAC	TOTAL	5.60	KVA	
	1ST	10.00	KVA X 100 % =	5.6 KVA
	REMAIN	0.00	KVA X 50 % =	0.0 KVA
MOTORS		6.30	KVA X 100 % =	6.3 KVA
	LARGEST	1.50	KVA X 125 % =	1.9 KVA
A/C		0.00	KVA X 100 % =	0.0 KVA
HEATING		0.00	KVA X 100 % =	0.0 KVA
FUTURE		_____	KVA X 100 % =	0.0 KVA
KITCHEN		0.00	KVA X 65 % =	0.0 KVA
MISCELLANEOUS		1.30	KVA X 100 % =	1.3 KVA
TOTAL =		41.8 amps	=	15.1 KVA

S4 DEMAND CALCS

LIGHTING		0.00	KVA X 125 % =	0.0 KVA
RECEPTAC	TOTAL	3.00	KVA	
	1ST	10.00	KVA X 100 % =	3.0 KVA
	REMAIN	0.00	KVA X 50 % =	0.0 KVA
MOTORS		4.75	KVA X 100 % =	4.8 KVA
	LARGEST	4.75	KVA X 125 % =	5.9 KVA
A/C		0.00	KVA X 100 % =	0.0 KVA
HEATING		0.00	KVA X 100 % =	0.0 KVA
FUTURE		_____	KVA X 100 % =	0.0 KVA
KITCHEN		0.00	KVA X 65 % =	0.0 KVA
MISCELLANEOUS		40.87	KVA X 100 % =	40.9 KVA
TOTAL =		151.4 amps	=	54.6 KVA

PANELBOARD SCHEDULE - 'BRL' BOILER ROOM

MAIN: 200A MLO | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000 | NOTES:

CKT #	BKR TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND SIZE	WIRE SIZE	POLE	BKR TRIP	CKT #
1	20	1	12	3/4"	RECEPT - EXTERIOR		0.4								0.6						RECEPT - BOILER ROOM	3/4"	12	1	20	2
3	20	1	12	3/4"	FIRE SPRINKLER POWER							0.5								0.5	SPRINKLER HOTBOX	3/4"	12	1	20	4
5	20	1	12	3/4"	BOILER			1.4												0.8	CHILLER EXT. HEAT TAPE	3/4"	12	1	20	6
7	20	1			SPARE															0.8	CHILLER EXT. HEAT TAPE	3/4"	12	1	20	8
9	20	1			SPARE															0.8	CHILLER INT. HEAT TAPE	3/4"	12	1	20	10
11	20	1			SPARE															0.4	CHILLER CONTROL	3/4"	12	1	20	12
13	20	1			SPARE																SPARE			1	20	14
15	20	1			SPARE																SPARE			1	20	16
17	20	1			SPARE																SPARE			1	20	18
19	20	1			SPARE																SPARE			1	20	20
21	20	1			SPARE																SPARE			1	20	22
23	20	1			SPARE																SPARE			1	20	24
25	20	1			SPARE																SPARE			1	20	26
27		1			SPACE																SPARE			1	20	28
29		1			SPACE																SPARE			1	20	30
31		1			SPACE																SPARE			1	20	32
33		1			SPACE																SPACE			1		34
35		1			SPACE																SPACE			1		36
37	30	3	10	3/4"	TVSS 3-#10 & 1-#10G IN 3/4"C																SPACE			1		38
39																					SPACE			1		40
41																					SPACE			1		42
LIGHTING (KVA):					0.0	0.0	0.4	1.4	0.0	0.0	0.0	0.5		0.0	0.6	0.0	0.0	0.0	0.0	3.3	CONNECTED LOAD (KVA):					6.2

RECEPTACLES (KVA): 1.0 | DEMAND LOAD (KVA): 6.6
MOTORS (KVA): 1.4 | PHASE A 2 15.0
A/C (KVA): 0.0 | PHASE B 2 15.0 | CONNECTED LOAD (AMPS): 17.3
HEATING (KVA): 0.0 | PHASE C 3 22.0 | DEMAND LOAD (AMPS): 18.3
KITCHEN (KVA): 0.0 | KVA AMPS
MISCELLANEOUS (KVA): 3.8
NOTES:

SHUNTED PANELBOARD SCHEDULE - 'S1' HVAC

MAIN: 200A MCB | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000 | NOTES:

CKT #	BKR TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND SIZE	WIRE SIZE	POLE	BKR TRIP	CKT #
1	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.8						RECEPT - GENERAL	3/4"	12	1	20	2
3	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.6						RECEPT - EXTERIOR	3/4"	12	1	20	4
5	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.6						RECEPT - TS/VM	3/4"	12	1	20	6
7	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.8						RECEPT - CLASSROOM	3/4"	12	1	20	8
9	30	2	10	3/4"	HVAC SYS 4 3-#10 & 1-#10G IN 3/4"C			2.2								2.2					HVAC SYS 1 3-#10 & 1-#10G IN 3/4"C	3/4"	10	2	30	10
11								2.2								2.2										12
13	30	2	10	3/4"	HVAC SYS 4 3-#10 & 1-#10G IN 3/4"C			2.2								2.2					HVAC SYS 1 3-#10 & 1-#10G IN 3/4"C	3/4"	10	2	30	14
15								2.2								2.2										16
17	30	2	10	3/4"	HVAC SYS 5 3-#10 & 1-#10G IN 3/4"C			2.2								2.2					HVAC SYS 2 3-#10 & 1-#10G IN 3/4"C	3/4"	10	2	30	18
19								2.2								2.2										20
21	30	2	10	3/4"	HVAC SYS 5 3-#10 & 1-#10G IN 3/4"C			2.2								2.2					HVAC SYS 2 3-#10 & 1-#10G IN 3/4"C	3/4"	10	2	30	22
23								2.2								2.2										24
25	20	1	12	3/4"	RECEPT - HVAC SERVICE INT.		0.6									2.2					HVAC SYS 3 3-#10 & 1-#10G IN 3/4"C	3/4"	10	2	30	26
27	20	1	12	3/4"	RECEPT- HVAC SERVICE EXT.		0.6									2.2										28
29	20	1			SPARE											2.2					HVAC SYS 3 3-#10 & 1-#10G IN 3/4"C	3/4"	10	2	30	30
31	20	1			SPARE											2.2										32
33	20	1			SPARE																SPARE			1	20	34
35	20	1	12	3/4"	EMERGENCY SWITCH							0.1									SPARE			1	20	36
37	30	3	10	3/4"	TVSS 3-#10 & 1-#10G IN 3/4"C																SPARE			1	20	38
39																					SPARE			1	20	40
41																					SPARE			1	20	42
LIGHTING (KVA):					0.0	0.0	2.0	17.6	0.0	0.0	0.0	0.1		0.0	2.8	26.4	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):					48.9

RECEPTACLES (KVA): 4.8 | DEMAND LOAD (KVA): 50.0
MOTORS (KVA): 44.0 | PHASE A 16 131.7
A/C (KVA): 0.0 | PHASE B 17 140.0 | CONNECTED LOAD (AMPS): 135.7
HEATING (KVA): 0.0 | PHASE C 16 135.8 | DEMAND LOAD (AMPS): 138.8
KITCHEN (KVA): 0.0 | KVA AMPS
MISCELLANEOUS (KVA): 0.1
NOTES: PANEL TO BE PROVIDED WITH SHUNT TRIP THAT CUTS OFF ALL POWER BY ACTIVATION OF PUSH BUTTON EMERGENCY STOP

3

SHUNTED PANELBOARD SCHEDULE - 'S2' AGRICULTURE

MAIN: 200A MCB | VOLTAGE: 208/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE | AIC: 22,000 | NOTES:

CKT #	BKR TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE A B C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND SIZE	WIRE SIZE	POLE	BKR TRIP	CKT #
1	20	1	12	3/4"	RECEPT - GENERAL		0.8								0.6						RECEPT - GENERAL	3/4"	12	1	20	2
3	20	1	12	3/4"	RECEPT - EXTERIOR		0.4								0.4						RECEPT - EXTERIOR	3/4"	12	1	20	4
5	20	1	12	3/4"	REFRIGERATOR							1.2				0.8					DRILL PRESS	3/4"	12	1	20	6
7	20	1	12	3/4"	RECEPT - WORKBENCH		0.6									0.5					SANDING BOX	3/4"	12	1	20	8
9	20	1	12	3/4"	DRILL PRESS			0.8								1.5					CHOP SAW	3/4"	12	1	20	10
11	20	1	12	3/4"	PORTABLE BAND SAW			0.9								0.9					BAND SAW	3/4"	12	1	20	12
13	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									0.7					SCROLL SAW	3/4"	12	1	20	14
15	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2									0.9					GRINDER	3/4"	12	1	20	16
17	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	18
19	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	20
21	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	22
23	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	24
25	20	1	12	3/4"	CORD REEL (GFI BREAKER)		0.2								0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	26
27	20	1			SPARE										0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	28
29	20	1			SPARE										0.2						CORD REEL (GFI BREAKER)	3/4"	12	1	20	30
31	20	1			SPARE											0.4					AIR FILTERS (2)	3/4"	12	1	20	32
33	20	1			SPARE											0.4					AIR FILTERS (2)	3/4"	12	1	20	34
35	20	1	12	3/4"	EMERGENCY SWITCH							0.1									SPARE			1	20	36
37	30	3	10	3/4"	TVSS 3-#10 & 1-#10G IN 3/4"C																SPARE			1	20	38
39																					SPARE			1	20	40
41																					SPARE			1	20	42
LIGHTING (KVA):					0.0	0.0	3.2	1.7	0.0	0.0	0.0	1.3		0.0	2.4	6.1	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):					14.7

RECEPTACLES (KVA): 5.6 | DEMAND LOAD (KVA): 15.1
MOTORS (KVA): 7.8 | PHASE A 5 38.3
A/C (KVA): 0.0 | PHASE B 5 43.3 | CONNECTED LOAD (AMPS): 40.8
HEATING (KVA): 0.0 | PHASE C 5 40.8 | DEMAND LOAD (AMPS): 41.8
KITCHEN (KVA): 0.0 | KVA AMPS
MISCELLANEOUS (KVA): 1.3
NOTES: PANEL TO BE PROVIDED WITH SHUNT TRIP THAT CUTS OFF ALL POWER BY ACTIVATION OF PUSH BUTTON EMERGENCY STOP

No.	Date	Revision
3	04/03/25	ADDENDUM # 3
2	03/20/25	ADDENDUM # 2
1	03/10/25	ADDENDUM # 1

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NEW CTE BUILDING FOR
Bertie High School
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

ES Project No: ES24055
ENGINEERING SOURCE of NC, P.A.
102-A2 Regency Blvd. Greenville, NC 27834
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D. Wilson Pou 4/3/25

Project No. 22351
Date: March 2025
Drawing no. E 007

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