NEW PANELBOARD SCHEDULE '103'

TYPE: PANELBOARD	NEMA TYPE: NEMA 1	MAIN TYPE: M.L.O.
VOLTAGE: 208Y/120V 3Ø 4W	AFC: 16,584	FEED THRU: NO
MOUNTING: SURFACE	C/B RATING: FULLY RATED	ISO. GROUND: NO
BUS AMPS: 225	C/B A.I.C.: 22,000	SERVICE RATED: NO

PROVIDE GFCI CIRCUIT BREAKER ⊗   PROVIDE TIE BAR ⊕   EXIST. TO REMAIN UNCHANGED ☐
HANDLE "LOCK-ON" DEVICE ⊖   CIRCUIT VIA LTG CONTROLS ◇   EXIST. WITH CHANGED LOAD ○
HANDLE "LOCK-OFF" DEVICE ⊘   EXIST. W/ ALL LOAD REMOVED ◇   NEW BREAKER WITH NEW LOAD △
R = RECEPTS   H = H.V.A.C.   E = EQUIP.   K = KITCHEN   M = MISC.   L = CONT. LIGHTING   C = CONT. EQUIP.

	AREA SERVED	C/B	#	Aø	Bø	Cø	#	C/B		AREA SERVED
R	TMB	20	1	360 / 180			2	20	R	RECIRC PUMP
L	EXT. SIGN (a)	20	3		1500 / 2250		4	30	C	WTR HTR
L	EXT. SIGN (b)	20	5			1500 / 2250	6			
L	EXT. SIGN (c)	20	7	1500 / 360			8	20	R	EDF
R	ROOFTOP	20	9		720 / 180		10	20	R	RESTROOM
R	SALES COUNTER (a)	20	11			180 / 180	12	20	R	TINT AREA (a)
R	SALES COUNTER (b)	20	13	180 / 180			14	20	R	TINT AREA (b)
R	SALES COUNTER (c)	20	15		180 / 180		16	20	R	TINT AREA (c)
L	LIGHTING – SPEC SPACE S/EM	20	17			1012 / 180	18	20	R	TINT AREA (d)
L	LIGHTING – SPEC SPACE N/EM	20	19	990 / 180			20	20	R	TINT AREA (e)
R	OFFICE CEILING	20	21		360 / 180		22	20	R	TINT AREA (f)
R	SHOW WINDOW (a)	20	23			540 / 540	24	20	R	TINT AREA (g)
R	SHOW WINDOW (b)	20	25	540 / 360			26	20	R	PLUGMOLD (a)
R	SALES	20	27		1080 / 540		28	20	R	PLUGMOLD (b)
–	SPARE	20	29			360	30	20	R	CHIME/BUZZER
–	SPARE	20	31	180			32	20	R	OFFICE (a)
–	SPARE	20	33		180		34	20	R	OFFICE (b)
–	SPARE	20	35			180	36	20	R	OFFICE (c)
–	SPARE	20	37	180			38	20	R	OFFICE (d)
–	SPARE	20	39		1500		40	30	R	FORKLIFT CHARGER
–	SPARE	20	41			1500	42			

	Aø	Bø	Cø		
NON-CONTINUOUS LOAD	2700	5100	3660	5100	VA / 120 V = 42.5 AMPS
CONTINUOUS LOAD	2490	3750	4762	4762	VA / 120 V = 39.7 AMPS
CONTINUOUS LOAD @ 25%	623	938	1191	1191	VA / 120 V = 9.9 AMPS
TOTAL LOAD PER PHASE	5813	9788	9613	9788	VA / 120 V = 81.6 AMPS

LABEL BRANCH CIRCUIT FEEDING ANY EMERGENCY LIGHTING WITH (EM) PER NEC 700.12(F).

NEW PANELBOARD SCHEDULE '102'

TYPE: PANELBOARD	NEMA TYPE: NEMA 1	MAIN TYPE: M.L.O.
VOLTAGE: 208Y/120V 3Ø 4W	AFC: 16,261	FEED THRU: NO
MOUNTING: SURFACE	C/B RATING: FULLY RATED	ISO. GROUND: NO
BUS AMPS: 225	C/B A.I.C.: 22,000	SERVICE RATED: NO

	AREA SERVED	C/B	#	Aø	Bø	Cø	#	C/B		AREA SERVED
R	TMB	20	1	360 / 360			2	20	R	ROOFTOP
L	EXT. SIGN	20	3		1500 / 3360		4	50		AC-5T (a)
L	LIGHTING – SPEC SPACE/EM	20	5			180 / 3360	6		H	
–	SPARE	20	7	3360			8			
–	SPARE	20	9		3360		10	50		AC-5T (b)
–	SPARE	20	11			3360	12		C	
–	SPARE	20	13	3360			14			
–	SPARE	20	15		–		16		–	BUSSED SPACE
–	SPARE	20	17			–	18		–	BUSSED SPACE
–	SPARE	20	19	–			20		–	BUSSED SPACE
–	SPARE	20	21		–		22		–	BUSSED SPACE
–	SPARE	20	23			–	24		–	BUSSED SPACE
–	BUSSED SPACE		25	–			26		–	BUSSED SPACE
–	BUSSED SPACE		27		–		28		–	BUSSED SPACE
–	BUSSED SPACE		29			–	30		–	BUSSED SPACE
–	BUSSED SPACE		31	–			32		–	BUSSED SPACE
–	BUSSED SPACE		33		–		34		–	BUSSED SPACE
–	BUSSED SPACE		35			–	36		–	BUSSED SPACE
–	BUSSED SPACE		37	–			38		–	BUSSED SPACE
–	BUSSED SPACE		39		–		40		–	BUSSED SPACE
–	BUSSED SPACE		41			–	42		–	BUSSED SPACE

	Aø	Bø	Cø		
NON-CONTINUOUS LOAD	4080	3360	3360	4080	VA / 120 V = 34.0 AMPS
CONTINUOUS LOAD	3360	4860	3540	4860	VA / 120 V = 40.5 AMPS
CONTINUOUS LOAD @ 25%	840	1215	885	1215	VA / 120 V = 10.1 AMPS
TOTAL LOAD PER PHASE	8280	9435	7785	9435	VA / 120 V = 78.6 AMPS

LABEL BRANCH CIRCUIT FEEDING ANY EMERGENCY LIGHTING WITH (EM) PER NEC 700.12(F).

NEW PANELBOARD SCHEDULE '101'

TYPE: PANELBOARD	NEMA TYPE: NEMA 1	MAIN TYPE: M.L.O.
VOLTAGE: 208Y/120V 3Ø 4W	AFC: 14,191	FEED THRU: NO
MOUNTING: SURFACE	C/B RATING: FULLY RATED	ISO. GROUND: NO
BUS AMPS: 225	C/B A.I.C.: 22,000	SERVICE RATED: NO

	AREA SERVED	C/B	#	Aø	Bø	Cø	#	C/B		AREA SERVED
R	TMB	20	1	360 / 360			2	20	R	ROOFTOP
L	EXT. SIGN	20	3		1500 / 3360		4	50		AC-5T (a)
L	LIGHTING – SPEC SPACE/EM	20	5			180 / 3360	6		H	
–	SPARE	20	7	3360			8			
–	SPARE	20	9		3360		10	50		AC-5T (b)
–	SPARE	20	11			3360	12		C	
–	SPARE	20	13	3360			14			
–	SPARE	20	15		–		16		–	BUSSED SPACE
–	SPARE	20	17			–	18		–	BUSSED SPACE
–	SPARE	20	19	–			20		–	BUSSED SPACE
–	SPARE	20	21		–		22		–	BUSSED SPACE
–	SPARE	20	23			–	24		–	BUSSED SPACE
–	BUSSED SPACE		25	–			26		–	BUSSED SPACE
–	BUSSED SPACE		27		–		28		–	BUSSED SPACE
–	BUSSED SPACE		29			–	30		–	BUSSED SPACE
–	BUSSED SPACE		31	–			32		–	BUSSED SPACE
–	BUSSED SPACE		33		–		34		–	BUSSED SPACE
–	BUSSED SPACE		35			–	36		–	BUSSED SPACE
–	BUSSED SPACE		37	–			38		–	BUSSED SPACE
–	BUSSED SPACE		39		–		40		–	BUSSED SPACE
–	BUSSED SPACE		41			–	42		–	BUSSED SPACE

	Aø	Bø	Cø		
NON-CONTINUOUS LOAD	4080	3360	3360	4080	VA / 120 V = 34.0 AMPS
CONTINUOUS LOAD	3360	4860	3540	4860	VA / 120 V = 40.5 AMPS
CONTINUOUS LOAD @ 25%	840	1215	885	1215	VA / 120 V = 10.1 AMPS
TOTAL LOAD PER PHASE	8280	9435	7785	9435	VA / 120 V = 78.6 AMPS

LABEL BRANCH CIRCUIT FEEDING ANY EMERGENCY LIGHTING WITH (EM) PER NEC 700.12(F).

NEW PANELBOARD SCHEDULE 'HP'

TYPE: PANELBOARD	NEMA TYPE: NEMA 1	MAIN TYPE: M.L.O.
VOLTAGE: 208Y/120V 3Ø 4W	AFC: 21,485	FEED THRU: NO
MOUNTING: SURFACE	C/B RATING: FULLY RATED	ISO. GROUND: NO
BUS AMPS: 225	C/B A.I.C.: 22,000	SERVICE RATED: NO

	AREA SERVED	C/B	#	Aø	Bø	Cø	#	C/B		AREA SERVED
R	TMB	20	1	360 / 360			2	20	H	UNIT HEATER
R	FACP	20	3		400 / 1500		4			
R	IRRIGATION	20	5			360 / 766	6	20	L	LIGHTING – BLDG/EXTERIOR
–	SPARE	20	7	35			8	20	L	LIGHTING – FIRE RISER RM
–	SPARE	20	9		–		10		–	BUSSED SPACE
–	SPARE	20	11			–	12		–	BUSSED SPACE
–	SPARE	20	13	–			14		–	BUSSED SPACE
–	SPARE	20	15		–		16		–	BUSSED SPACE
–	SPARE	20	17			–	18		–	BUSSED SPACE
–	BUSSED SPACE		19	–			20		–	BUSSED SPACE
–	BUSSED SPACE		21		–		22		–	BUSSED SPACE
–	BUSSED SPACE		23			–	24		–	BUSSED SPACE
–	BUSSED SPACE		25	–			26		–	BUSSED SPACE
–	BUSSED SPACE		27		–		28		–	BUSSED SPACE
–	BUSSED SPACE		29			–	30		–	BUSSED SPACE
–	BUSSED SPACE		31	–			32		–	BUSSED SPACE
–	BUSSED SPACE		33		–		34		–	BUSSED SPACE
–	BUSSED SPACE		35			–	36		–	BUSSED SPACE
–	BUSSED SPACE		37	–			38		–	BUSSED SPACE
–	BUSSED SPACE		39		–		40		–	BUSSED SPACE
–	BUSSED SPACE		41			–	42		–	BUSSED SPACE

	Aø	Bø	Cø		
NON-CONTINUOUS LOAD	1860	1900	360	1900	VA / 120 V = 15.8 AMPS
CONTINUOUS LOAD	35	0	766	766	VA / 120 V = 6.4 AMPS
CONTINUOUS LOAD @ 25%	9	0	192	192	VA / 120 V = 1.6 AMPS
TOTAL LOAD PER PHASE	1904	1900	1318	1904	VA / 120 V = 15.9 AMPS

⊗ BRANCH CIRCUIT FEEDING THE FIRE ALARM EQUIPMENT SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT" (FACP) IN RED LETTERING. PROVIDE WITH LOCK-ON CIRCUIT BREAKER PER NEC 760.41(A)(B).

NEW PANELBOARD SCHEDULE '103A'

TYPE: PANELBOARD	NEMA TYPE: NEMA 1	MAIN TYPE: M.L.O.
VOLTAGE: 208Y/120V 3Ø 4W	AFC: 17,092	FEED THRU: NO
MOUNTING: SURFACE	C/B RATING: FULLY RATED	ISO. GROUND: NO
BUS AMPS: 225	C/B A.I.C.: 22,000	SERVICE RATED: NO

	AREA SERVED	C/B	#	Aø	Bø	Cø	#	C/B		AREA SERVED
		50	1	3360 / 3360			2	50		
H	AC-5T (a)		3		3360 / 3360		4		H	AC-5T (b)
			5			3360 / 3360	6			
		50	7	3360 / 3360			8	50		
H	AC-5T (c)		9		3360 / 3360		10		C	AC-5T (d)
			11			3360 / 3360	12			
–	BUSSED SPACE		13	–			14		–	BUSSED SPACE
–	BUSSED SPACE		15		–		16		–	BUSSED SPACE
–	BUSSED SPACE		17			–	18		–	BUSSED SPACE
–	BUSSED SPACE		19	–			20		–	BUSSED SPACE
–	BUSSED SPACE		21		–		22		–	BUSSED SPACE
–	BUSSED SPACE		23			–	24		–	BUSSED SPACE
–	BUSSED SPACE		25	–			26		–	BUSSED SPACE
–	BUSSED SPACE		27		–		28		–	BUSSED SPACE
–	BUSSED SPACE		29			–	30		–	BUSSED SPACE
–	BUSSED SPACE		31	–			32		–	BUSSED SPACE
–	BUSSED SPACE		33		–		34		–	BUSSED SPACE
–	BUSSED SPACE		35			–	36		–	BUSSED SPACE
–	BUSSED SPACE		37	–			38		–	BUSSED SPACE
–	BUSSED SPACE		39		–		40		–	BUSSED SPACE
–	BUSSED SPACE		41			–	42		–	BUSSED SPACE

	Aø	Bø	Cø		
NON-CONTINUOUS LOAD	10080	10080	10080	10080	VA / 120 V = 84.0 AMPS
CONTINUOUS LOAD	3360	3360	3360	3360	VA / 120 V = 28.0 AMPS
CONTINUOUS LOAD @ 25%	840	840	840	840	VA / 120 V = 7.0 AMPS
TOTAL LOAD PER PHASE	14280	14280	14280	14280	VA / 120 V = 119.0 AMPS

ELECTRICAL PANEL SCHEDULES

NEW COMMERCIAL PAD
PAD 5B AT PASEO LINDO SHOPPING CENTER
NEC OF ARIZONA AVE AND OCOTILLO RD.
CHANDLER, AZ

CONSTRUCTION SET_11-12-24

09.18.24 CITY COMMENTS

E3.0
project #: 23057

IF DRAWING IS NOT PLOTTED AT osmode THEY ARE NOT FULL SIZE

'103'	'102'	'101'	'HP'
'103A'			