MAIN SWITCHBOARD

1600 AMPS
MAIN CIRCUIT BREAKER

PANEL MSB | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
	1									2	
PANEL HPA	3	400		80			162		800	4	PANEL HPC
	5									6	
	7									8	
SPARE	9	400		80			65		225	10	PANEL PC
	11									12	
	13									14	
PANEL PA	15	225		80			630		225	16	PANEL PD
	17									18	
	19									20	
PANEL PB	21	225		72			40		225	22	PANEL HA
	23									24	
	25									26	
PANEL HB	27	225		20			48		225	28	PANEL HC
	29									30	
	31									32	
SPARE BREAKER	33	400		000K			0		225	34	SPARE BREAKER
	35									36	
	37								20	38	SPARE BREAKER
PANEL PKL	39	200		33					20	40	TIME CLOCK
	41								20	42	FIRE ALARM

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 553,000W / 361 = 1531.856 AMPS

ELECTRICAL PANEL SCHEDULE

225 AMPS
MAIN CIRCUIT BREAKER

PANEL PC | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
WASTE OIL MONITOR	1	20	2000			2000			20	2	WASTE A/F MONITOR
TANK ALARM	3	20		2000			2000		20	4	TANK SOLENOID
QUAD RECEPTACLE	5	20			2000			2000	20	6	QUAD RECEPTACLE
RECEPTACLE	7	20	2000			2000			20	8	AIR DRYER
RECEPTACLE	9	20		2000			2000		20	10	MICROWAVE
VENDING	11	20			2000			2000	20	12	VENDING
QUAD RECEPTACLE	13	20	2000			2000			20	14	WASTE OIL MONITOR
FDF	15	20		2000			2000		20	16	FDF
PEDESTAL GRINDER	17	20			2000			2000	20	18	BRAKE LATHE
QUAD RECEPTACLE	19	20	2000			2000			20	20	TIRE CHANGER
PRESSURE WASHER	21	20		2000			2000		20	22	TIRE CHANGER
TIRE BALANCER	23	30			2000			2000	40	24	
TIRE BALANCER	25	30	2000			2000			40	26	EXHAUST FANS
	27	40		2000			2000		40	28	
NITROGEN GENERATOR	29	40			2000			2000	40	30	
	31	40	2000						40	32	SPARE BREAKER
	33	40							40	34	
SPARE BREAKER	35	40								36	
	37	40								38	
	39									40	
HEATER - RTH-09	41	20								42	

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 65,000 W / 361 = 180.05 AMPS

ELECTRICAL PANEL SCHEDULE

225 AMPS
MAIN CIRCUIT BREAKER

PANEL PB | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
SHOP QUAD	1	20	2000			2000			20	2	SHOP QUAD
SHOP QUAD	3	20		2000			2000		20	4	SHOP QUAD
SHOP QUAD	5	20			2000			2000	20	6	SHOP QUAD
SHOP QUAD	7	20	2000			2000			20	8	SHOP QUAD
SHOP QUAD	9	20		2000			2000		20	10	SHOP QUAD
SHOP QUAD	11	20			2000			2000	20	12	SHOP QUAD
DROP LIGHT REEL	13	20	2000			2000			20	14	DROP LIGHT REEL
DROP LIGHT REEL	15	20		2000			2000		20	16	DROP LIGHT REEL
DROP LIGHT REEL	17	20			2000			2000	20	18	VEHICLE
VEHICLE	19	20	2000			2000			20	20	LIFT
LIFT	21	20		2000			2000		20	22	VEHICLE
VEHICLE	23	20			2000			2000	20	24	LIFT
LIFT	25	20	2000			2000			20	26	VEHICLE
VEHICLE	27	20		2000			2000		20	28	LIFT
LIFT	29	20			2000			2000	20	30	VEHICLE
VEHICLE	31	20	2000			2000			20	32	LIFT
LIFT	33	20		2000			2000		20	34	VEHICLE
SPARE BREAKER	35	20						2000	20	36	LIFT
SPARE BREAKER	37	20							20	38	SPARE BREAKER
SPARE BREAKER	39	20							20	40	SPARE BREAKER
HEATER RTH-03	41	20							20	42	SPARE BREAKER

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 72,000 W / 361 = 199.446 AMPS

ELECTRICAL PANEL SCHEDULE

200 AMPS
MAIN LUGS ONLY

PANEL PKL | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 30

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
LOT	1	30	675			900			30	2	LOT
LIGHTING	3	30		675			900		30	4	LIGHTING
LOT	5	30			675			1850	30	6	LOT
LIGHTING	7	30	925			1850			30	8	LIGHTING
LOT	9	30		1125			1125		30	10	LOT
LIGHTING	11	30			1125			1125	30	12	LIGHTING
LOT	13	30	1125			1125			30	14	LOT
LIGHTING	15	30		1125			1125		30	16	LIGHTING
LOT	17	30			1850			1850	30	18	LOT
LIGHTING	19	30	1850			1850			30	20	LIGHTING
LOT	21	30		1275			1275		30	22	LOT
LIGHTING	23	30			1275			1275	30	24	LIGHTING
LOT	25	30	675			0			30	26	SPARE
LIGHTING	27	30		675			0		30	28	BREAKER
	29									30	

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 33,250 W / 361 = 92.105 AMPS

ELECTRICAL PANEL SCHEDULE

800 AMPS
MAIN CIRCUIT BREAKER

PANEL HPC | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
	1									2	
CU #4	3	30		4800			22500		80	4	CU #1
	5									6	
	7									8	
CU-2	9	80		22500			8000		20	10	SOUTH OH DOOR
	11									12	
	13									14	
CU-3	15	80		22500			8000		30	16	AHU-2
	17									18	
	19									20	
AHU-1	21	30		6000			4500		30	22	AHU-4
	23									24	
	25									26	
AIR COMPRESSOR	27	20		6500			4500		20	28	AIR COMPRESSOR
	29									30	
	31									32	
AHU-3	33	30		4000			22500		80	34	CU-5
	35									36	
	37								80	38	SPARE BREAKER
AHU-5	39	30		4000			4500		80	40	SPARE BREAKER
	41								80	42	SPARE BREAKER

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 161,500 W / 361 = 447.36 AMPS

ELECTRICAL PANEL SCHEDULE

400 AMPS
MAIN CIRCUIT BREAKER

PANEL HPA | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
	1									2	
EXHAUST EXHAUST	3	30		4500			6500		20	4	NORTH OH DOOR
	5									6	
	7									8	
NORTH OH DOOR	9	20		6500			6500		20	10	NORTH OH DOOR
	11									12	
	13									14	
WEST OH DOOR	15	20		6500			0		30	16	SPARE BREAKER
	17									18	
	19									20	
WASH BAY EXHAUST	21	30		4500			0		20	22	SPARE BREAKER
	23									24	
	25									26	
SPARE BREAKER	27	60		0						28	
	29									30	
	31									32	
	33									34	
	35									36	
	37									38	
	39									40	
	41									42	

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 50,000 W / 361 = 138.504 AMPS

ELECTRICAL PANEL SCHEDULE

225 AMPS
MAIN CIRCUIT BREAKER

PANEL PA | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
SHOP QUAD	1	40	2000			2000			40	2	SHOP QUAD
SHOP QUAD	3	40		2000			2000		40	4	SHOP QUAD
DROP LIGHT REEL	5	40			2000			2000	40	6	DROP LIGHT REEL
SHOP QUAD	7	40	2000			2000			40	8	SHOP QUAD
SHOP QUAD	9	40		2000			2000		40	10	SHOP QUAD
SHOP QUAD	11	40			2000			2000	40	12	VEHICLE
VEHICLE	13	40	2000			2000			40	14	LIFT
LIFT	15	40		2000			2000		40	16	VEHICLE
VEHICLE	17	40			2000			2000	40	18	LIFT
LIFT	19	40							20	20	SHOP QUAD
RECEPTACLES	21	20							20	22	HEATER - RTH-07
SPARE BREAKER	23	20							20	24	HEATER - RTH-08
SPARE BREAKER	25	20								26	
HEATER RTH-06	27	20								28	
SPARE BREAKER	29	20								30	
	31									32	
	33									34	
	35									36	
SPARE BREAKER	37	40							40	38	SPARE BREAKER
SPARE BREAKER	39	40							40	40	SPARE BREAKER
SPARE BREAKER	41	20							20	42	SPARE BREAKER

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 48,000 W / 361 = 132.963 AMPS

ELECTRICAL PANEL SCHEDULE

225 AMPS
MAIN CIRCUIT BREAKER

PANEL PD | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
SHOWROOM RECEPTACLES	1	20	2000			2000			20	2	DESK QUAD RECEPTACLE
DESK QUAD RECEPTACLE	3	20		2000			2000		20	4	DESK QUAD RECEPTACLE
RECEPTACLES	5	20			2000			2000	20	6	OFFICE RECEPTACLE
OFFICE RECEPTACLE	7	20	2000			2000			20	8	PARTS RECEPTACLE
PARTS RECEPTACLE	9	20		2000			2000		20	10	PARTS RECEPTACLE
PARTS RECEPTACLE	11	20			2000			2000	20	12	PARTS RECEPTACLE
PARTS RECEPTACLE	13	20	2000			2000			20	14	PARTS RECEPTACLE
PARTS RECEPTACLE	15	20		2000			2000		20	16	PARTS RECEPTACLE
VENDING	17	20			2000			2000	20	18	VENDING
FDF	19	20	2000			2000			20	20	FDF
RECEPTACLES	21	20		2000			2000		20	22	RECEPTACLES
SHOWROOM RECEPTACLE	23	20			2000			2000	20	24	HEATER - RTH-05
HEATER RTH-01	25	20							20	26	HEATER RTH-04
HEATER RTH-02	27	20							20	28	SPARE BREAKER
SPARE BREAKER	29	20							20	30	SPARE BREAKER
SPARE BREAKER	31	20							20	32	SPARE BREAKER
SPARE BREAKER	33	20							20	34	SPARE BREAKER
SPARE BREAKER	35	20							20	36	SPARE BREAKER
SPARE BREAKER	37	20							20	38	SPARE BREAKER
SPARE BREAKER	39	20							20	40	SPARE BREAKER
SPARE BREAKER	41	20							20	42	SPARE BREAKER

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 48,000 W / 361 = 132.963 AMPS

ELECTRICAL PANEL SCHEDULE

225 AMPS
MAIN CIRCUIT BREAKER

PANEL HC | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
CANOPY LIGHTING	1	20	2000			2000			20	2	SHOWROOM LIGHTING
PARTS LIGHTING	3	20		2000			2000		20	4	NIGHT LIGHTING
OFFICE LIGHTING	5	20			2000			2000	20	6	SHOWROOM LIGHTING
PARTS LIGHTING	7	20	2000			2000			20	8	PARTS LIGHTING
SHOWROOM LIGHTING	9	20		2000			2000		20	10	SPARE BREAKER
SPARE BREAKER	11	20			2000			2000	20	12	SPARE BREAKER
	13	20	2000			2000			20	14	
AHU-6A	15	40		2000			2000		20	16	AHU-6B
	17	40			2000			2000	20	18	
	19	40	2000			2000			40	20	
CU-6A	21	40		2000			2000		40	22	CU-6B
	23	20			2000			2000	40	24	
	25	20							30	26	
AHU-7	27	20							30	28	CU-7
	29	20							30	30	
SPARE BREAKER	31	20							20	32	SPARE BREAKER
SPARE BREAKER	33	20							20	34	SPARE BREAKER
SPARE BREAKER	35	20							20	36	SPARE BREAKER
MERCHANDISING STRUCTURES	37	20							20	38	MERCHANDISING STRUCTURES
MERCHANDISING STRUCTURES	39	20							20	40	MERCHANDISING STRUCTURES
MERCHANDISING STRUCTURES	41	20							20	42	MERCHANDISING STRUCTURES

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 48,000 W / 361 = 132.963 AMPS

ELECTRICAL PANEL SCHEDULE

225 AMPS
MAIN CIRCUIT BREAKER

PANEL HB | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
LIGHTING	1	20	2000			2000			20	2	LIGHTING
LIGHTING	3	20		2000			2000		20	4	LIGHTING
SPARE BREAKER	5	20						2000	20	6	SPARE BREAKER
SPARE BREAKER	7	20							20	8	SPARE BREAKER
SPARE BREAKER	9	20							20	10	SPARE BREAKER
SPARE BREAKER	11	20							20	12	SPARE BREAKER
SPARE BREAKER	13	20							20	14	SPARE BREAKER
SPARE BREAKER	15	20							20	16	SPARE BREAKER
SPARE BREAKER	17	20							20	18	SPARE BREAKER
SPARE BREAKER	19	20							20	20	SPARE BREAKER
SPARE BREAKER	21	20							20	22	SPARE BREAKER
SPARE BREAKER	23	20							20	24	SPARE BREAKER
SPARE BREAKER	25	20							20	26	SPARE BREAKER
SPARE BREAKER	27	20							20	28	SPARE BREAKER
	29									30	
	31									32	
	33									34	
	35									36	
	37									38	
	39									40	
	41									42	

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 10,000 W / 361 = 27.700 AMPS

ELECTRICAL PANEL SCHEDULE

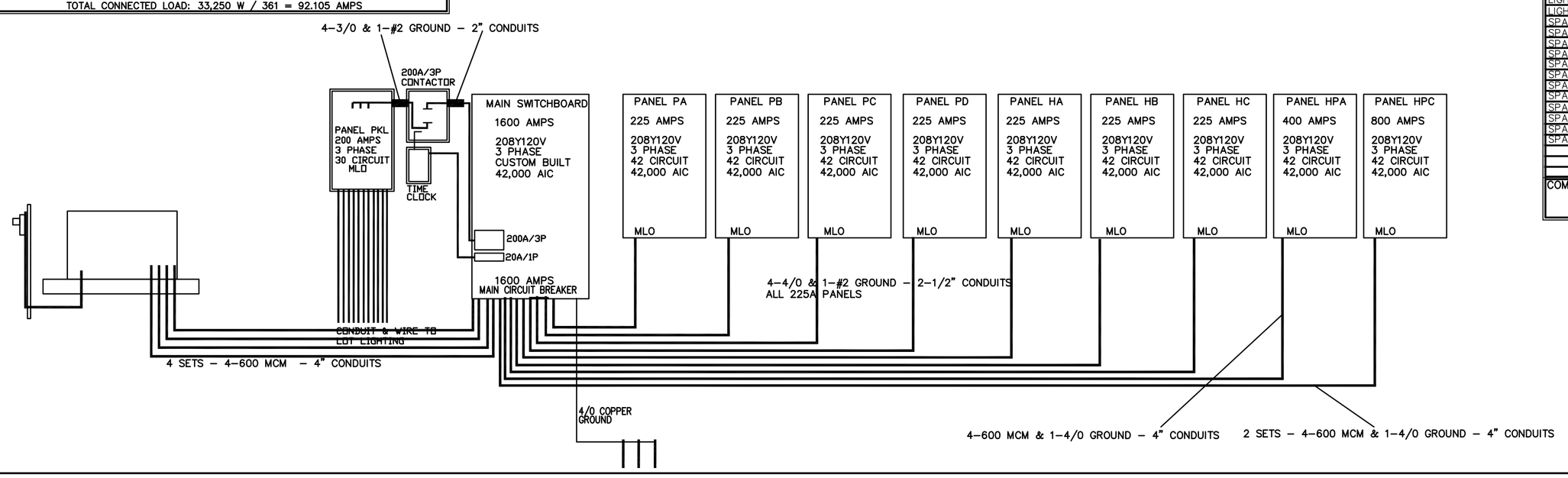
225 AMPS
MAIN CIRCUIT BREAKER

PANEL HA | VOLTAGE 208Y120 | PHASE 3 | CIRCUIT SPACES 42

CIRCUIT DESCRIPTION	CKT NO	AMPS	A WATTS	B WATTS	C WATTS	A WATTS	B WATTS	C WATTS	AMPS	CKT NO	CIRCUIT DESCRIPTION
LIGHTING	1	20	2000			2000			20	2	LIGHTING
LIGHTING	3	20		2000			2000		20	4	LIGHTING
LIGHTING	5	20			2000			2000	20	6	LIGHTING
LIGHTING	7	20	2000			2000			20	8	LIGHTING
LIGHTING	9	20		2000			2000		20	10	LIGHTING
LIGHTING	11	20			2000			2000	20	12	LIGHTING
SPARE BREAKER	13	20	2000			2000			20	14	SPARE BREAKER
SPARE BREAKER	15	20		2000			2000		20	16	SPARE BREAKER
SPARE BREAKER	17	20			2000			2000	20	18	SPARE BREAKER
SPARE BREAKER	19	20	2000			2000			20	20	SPARE BREAKER
SPARE BREAKER	21	20							20	22	SPARE BREAKER
SPARE BREAKER	23	20							20	24	SPARE BREAKER
SPARE BREAKER	25	20							20	26	SPARE BREAKER
SPARE BREAKER	27	20							20	28	SPARE BREAKER
SPARE BREAKER	29	20							20	30	SPARE BREAKER
SPARE BREAKER	31	20							20	32	SPARE BREAKER
SPARE BREAKER	33	20							20	34	SPARE BREAKER
SPARE BREAKER	35	20								36	
	37									38	
	39									40	
	41									42	

COMMENTS & CONDITIONS

TOTAL CONNECTED LOAD: 40,000 W / 361 = 132.963 AMPS



1 / E-1 ELECTRICAL NOTES & SCHEDULES

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