

FEEDER SCHEDULE
MAIN PANEL:
(LOAD DATA SHOWN ON SCHEDULES)

FEEDER INFORMATION						
FEEDER NUMBER	FEEDER LOAD (A)	CONDUIT & WIRE DATA	CON TYPE	LENGTH (FT)	% VOLTS DROP	
LWBW-1	88.7	(12-1/2 IN.C.)	4 #600 MCM EAL	MET	10	0.07%
LWBW-2	147.4	(12-1/2 IN.C.)	4 #600 MCM EAL	MET	80	0.87%
LWBW-3	202.8	(12-1/2 IN.C.)	4 #600 MCM EAL	MET	80	1.19%
LWBW-4	25.3	(15-1/2 IN.C.)	4 #1 EAL	MET	80	0.27%
LWBW-5	97.7	(12-1/2 IN.C.)	4 #600 MCM EAL	MET	110	0.79%
LWBW-6	114.4	(12-1/2 IN.C.)	4 #600 MCM EAL	MET	110	0.82%
LWBW-7	15.8	(15-1/2 IN.C.)	4 #1 EAL	MET	70	0.24%
LWBW-1A	25.5	(11-1/2 IN.C.)	4 #1 EAL	MET	10	0.05%

FEEDER SCHEDULE
MAIN PANEL: HR
(LOAD DATA SHOWN ON SCHEDULES)

FEEDER INFORMATION							
FEEDER NUMBER	FEEDER LOAD (A)	CONDUIT & WIRE DATA		CON TYPE	LENGTH (FT)	% VOLT DROPS	
HR-1	21.0 (1034 IN.C.)	3	#10 EA.	MET	30	0.28%	
HR-2	21.0 (1034 IN.C.)	3	#10 EA.	MET	35	0.33%	
HR-3	21.0 (1034 IN.C.)	3	#10 EA.	MET	35	0.33%	
HR-3A	124.9 (117-142 IN.G.)	4	#12 EA.	MET	10	0.19%	
HR-4	29.8 (117-142 IN.G.)	4	#1000 MCM EA.	MET	10	0.01%	
HR-4A	48.0 (1034 IN.C.)	4	#1000 MCM EA.	MET	10	0.13%	
HR-5	11.0 (1034 IN.C.)	3	#12 EA.	MET	10	0.05%	
HR-6	11.0 (1034 IN.C.)	3	#12 EA.	MET			
HR-7	11.0 (1034 IN.C.)	3	#12 EA.	MET			
HR-8	14.0 (1034 IN.C.)	3	#12 EA.	MET			
HR-9	21.0 (1034 IN.C.)	3	#12 EA.	MET			
HR-10	21.0 (1034 IN.C.)	3	#10 EA.	MET			
HR-11	7.6 (1034 IN.C.)	3	#12 EA.	MET			
HR-12	7.6 (1034 IN.C.)	3	#12 EA.	MET			
HR-13	7.6 (1034 IN.C.)	3	#12 EA.	MET			

710 WILSHIRE : PROJECT NAME
201225 : JOB NUMBER
9/29/15 : DATE

TRANSFORMER SCHEDULE										
TRANS. NUMBER	SIZE (KVA)	TYPE	INSL. TYPE	PRL. VOLTS	SEC. VOLTS	HARMONIC FACTOR	GROUND WIRE	COND. IN.	MAX. SECONDARY LENGTH	MOUNTING
TBW	125	DRY	220	480	120/208	1	#30	1"	<100FT	FLOOR
TP	45	DRY	220	480	120/208	1	#4	3/4"	<10FT	FLOOR
TR	75	DRY	220	480	120/208	1	#10	3/4"	<10FT	FLOOR
TBE	300	DRY	220	480	120/208	1	#30	1"	20FT	FLOOR
CC	225	DRY	220	480	120/208	1	#30	1"	<10FT	FLOOR
ET1	30	DRY	220	480	120/208	1	#8	3/4"	<10FT	FLOOR
TBK	150	DRY	220	480	120/208	1	#30	1"	<10FT	FLOOR

FEEDER SCHEDULE
DISTRIBUTION PANEL: EH
(LOAD DATA SHOWN ON SCHEDULES)

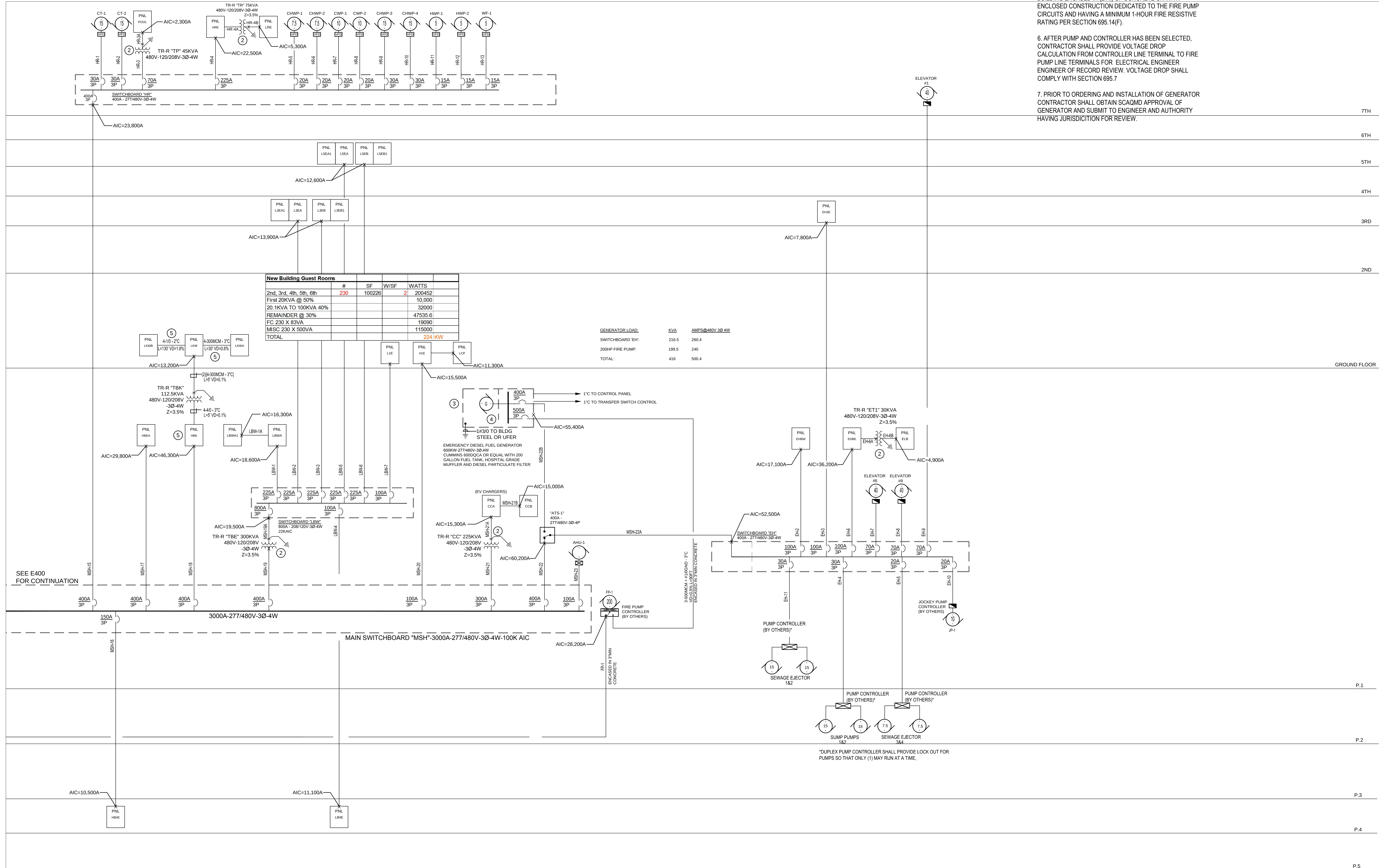
FEEDER INFORMATION							
FEEDER NUMBER	FEEDER LOAD (A)	CONDUIT & WIRE DATA		CON TYPE	LENGTH (FT)	% VOLTS/TAP DROP	
EH2	326	(11)-1/2" NC.	# 1 EA.	MET	50	0.15%	
EH3	112	(11)-1/2" NC.	# 1 EA.	MET	140	0.15%	
EH4	210	(11) NC.	# 10 EA.	MET	100	0.6%	
EH5	110	(13/4) NC.	# 12 EA.	MET	100	1.75%	
EH6	263	(11)-1/2" NC.	# 1 EA.	MET	10	0.02%	
EH4A	26	(11) NC.	# 6 EA.	MET	10	0.01%	
EH4B	26	(11)-1/2" NC.	# 6 EA.	MET	10	0.01%	
EH7	267	(11)-1/4" NC.	# 4	#16 AL GND EA.	MET	119	0.36%
EH8	520	(11)-1/4" NC.	# 4	#16 AL GND EA.	MET	100	0.55%
EH9	520	(11)-1/4" NC.	# 4	#16 AL GND EA.	MET	100	0.77%
EH-10	140	(13/4) NC.	# 12 EA.	MET	80	0.77%	
EH-11	210	(11) NC.	# 10 EA.	MET	100	0.52%	
CONDUIT TYPE: METALCLAD CONDUIT							

CONDUIT TYPE: MET=METALIC OR
PVC=NON-METALIC

FEEDER SCHEDULE
DISTRIBUTION PANEL: MSH
(LOAD DATA SHOWN ON SCHEDULES)

FEEDER INFORMATION						
FEEDER NUMBER	FEEDER	CONDUIT		VOLTS		%
		# & FILE DATA		CON LENGTH	TYPE	
MSH-1	52.0	(11-1/4 IN.) C-3	#1	#16 ALD GND EA	120	0.71%
MSH-2	65.0	(11-1/4 IN.) C-3	#2	#16 ALD GND EA	160	0.91%
MSH-3	65.0	(11-1/4 IN.) C-3	#2	#16 ALD GND EA	60	0.61%
MSH-4	65.0	(11-1/4 IN.) C-3	#2	#16 ALD GND EA	80	0.61%
MSH-5						
MSH-6	52.0	(11-1/4 IN.) C-3	#1	#16 ALD GND EA	100	0.59%
MSH-7						
MSH-8	52.0	(11-1/4 IN.) C-3	#1	#16 ALD GND EA	130	0.77%
MSH-10	203.0	(12-1/2 IN.) C-3	#500 MCM EA		180	0.87%
MSH-11	203.0	(12-1/2 IN.) C-3	#500 MCM EA		180	0.87%
MSH-12	7.6	(11-1/4 IN.) C-3	#1 EA		60	0.24%
MSH-13	186.5	(12 IN.) C-3	#3	#16 ALD GND EA	20	0.26%
MSH-13A	186.5	(20-1/2 IN.) C-4	#250 MCM EA		100	0.70%
MSH-13B	78.6	(11-1/4 IN.) C-3	#2	#16 ALD GND EA	100	0.66%
MSH-14	63.0	(11-1/4 IN.) C-3	#2 EA		80	0.59%
MSH-15	234.1	(24-1/2 IN.) C-4	#250 MCM EA		150	0.84%
MSH-16	108.1	(12-1/2 IN.) C-3	#3		100	0.51%
MSH-17	202.8	(23 IN.) C-4	#250 MCM EA		120	0.70%
MSH-18	223.0	(12-1/2 IN.) C-3	#2		20	0.08%
MSH-19	743.9	(14 IN.) C-3	#500 MCM	#11 ALD GND EA	60	0.32%
MSH-20	186.5	(20-1/2 IN.) C-4	#250 MCM EA		20	0.26%
MSH-20	58.6	(11-1/4 IN.) C-3	#1 EA		20	0.26%
MSH-21	554.3	(14 IN.) C-3	#500 MCM	#12 ALD GND EA	100	0.81%
MSH-21A	554.3	(14 IN.) C-3	#500 MCM EA		20	0.11%
MSH-22	244.3	(12-1/2 IN.) C-3	#3		20	0.27%
MSH-22	264.2	(23 IN.) C-4	#250 MCM EA		50	0.24%
MSH-22A	264.2	(23 IN.) C-4	#250 MCM EA		10	0.11%
MSH-23	264.2	(23 IN.) C-4	#250 MCM EA		50	0.33%
MSH-24	96.2	(11-1/4 IN.) C-3	#1	#16 ALD GND EA	40	0.30%
FP-1	240.0	(12-1/2 IN.) C-3	#40	#16 ALD GND EA	60	0.76%
FP-1A	276.0	(22 IN.) C-3	#40	#16 ALD GND EA	160	2.06%
FP-1B	360.0	(22 IN.) C-3	#40	#16 ALD GND EA	160	2.06%

CONDUIT TYPE: MET=METALIC COM
PVC=NON-METALIC



- KEY NOTES:

- 1 REFER TO DIAGRAM 6/E700 FOR SERVICE GROUNDING DIAGRAM.
- 2 REFER TO DIAGRAM 7/E700 FOR TRANSFORMER GROUNDING DIAGRAM. REFER TO TRANSFORMER GENERATOR FOR ADDITIONAL INFORMATION.
- 3 GENERATOR NOISE LEVEL SHALL NOT EXCEED 50DB TO THE OUTSIDE PER SMCMA 4.12.080. SUBMIT NOISE TEST TO DEMONSTRATE COMPLIANCE CONFORMANCE TO THE SANTA MONICA COMMUNITY NOISE OFFICER FOR REVIEW.
- 4 FIRE PUMP CIRCUIT BREAKER SHALL BE CAPABLE OF BEING LOCKED IN THE 'ON' POSITION. FIRE PUMP SECTION SHALL BE SERVICE RATED.
- 5 PROVIDE PANEL BOARDS WITH MAIN CIRCUIT BREAKER. LOADS AND SCHEDULES SHALL BE PROVIDED AT A LATER PHASE.

- SHEET NOTES:

2. CABLE WIRING BETWEEN THE CONTROLLER AND THE DIESEL ENGINE GENERATOR SHALL BE STRANDED PER SECTION 695.14(D).
3. ELECTRIC MOTOR-DRIVEN FIRE PUMP CONTROL WIRING FROM CONTROLLER TO THE PUMP MOTORS SHALL BE RIGID METAL CONDUIT, LIQUID TIGHT FLEXIBLE METAL CONDUIT TYPE LFNC-B, OR MC CABLE. SECTION 695.6(E).
4. PROVIDE PERMANENT SIGN AT SERVICE ENTRANCE EQUIPMENT INDICATING THE TYPE AND LOCATION OF ON SITE EMERGENCY POWER SOURCE. SECTION 700.8.
5. AUTOMATIC TRANSFER SWITCH AND FIRE PUMP CONTROLLER SHALL BE LISTED IN ACCORDANCE WITH SECTION 695.4(A).
6. CONTROL CONDUCTORS INSTALLED BETWEEN FIRE PUMP TRANSFER SWITCH AND THE GENERATOR SUPPLYING THE FIRE PUMP DURING NORMAL POWER SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING. THEY SHALL BE PERMITTED TO BE ROUTED THROUGH THE BUILDING ENCASED IN (2IN) OF CONCRETE OR WITH EXCLUDED CONSTRUCTION DEDICATED TO THE FIRE PUMP CIRCUITS AND HAVING A MINIMUM 1-HOUR FIRE RESISTIVE RATING PER SECTION 695.14(F).
7. AFTER PUMP AND CONTROLLER HAS BEEN SELECTED, CONTRACTOR SHALL PROVIDE VOLTAGE DROP CALCULATION FROM CONTROLLER LINE TERMINAL TO FIRE PUMP LINE TERMINALS FOR ELECTRICAL ENGINEER ENGINEER OF RECORD REVIEW. VOLTAGE DROP SHALL COMPLY WITH SECTION 695.7.
8. PRIOR TO ORDERING AND INSTALLATION OF GENERATOR CONTRACTOR SHALL OBTAIN SCAGM APPROVAL OF GENERATOR AND SUBMIT TO ENGINEER AND AUTHORITY HAVING JURISDICTION FOR REVIEW.