

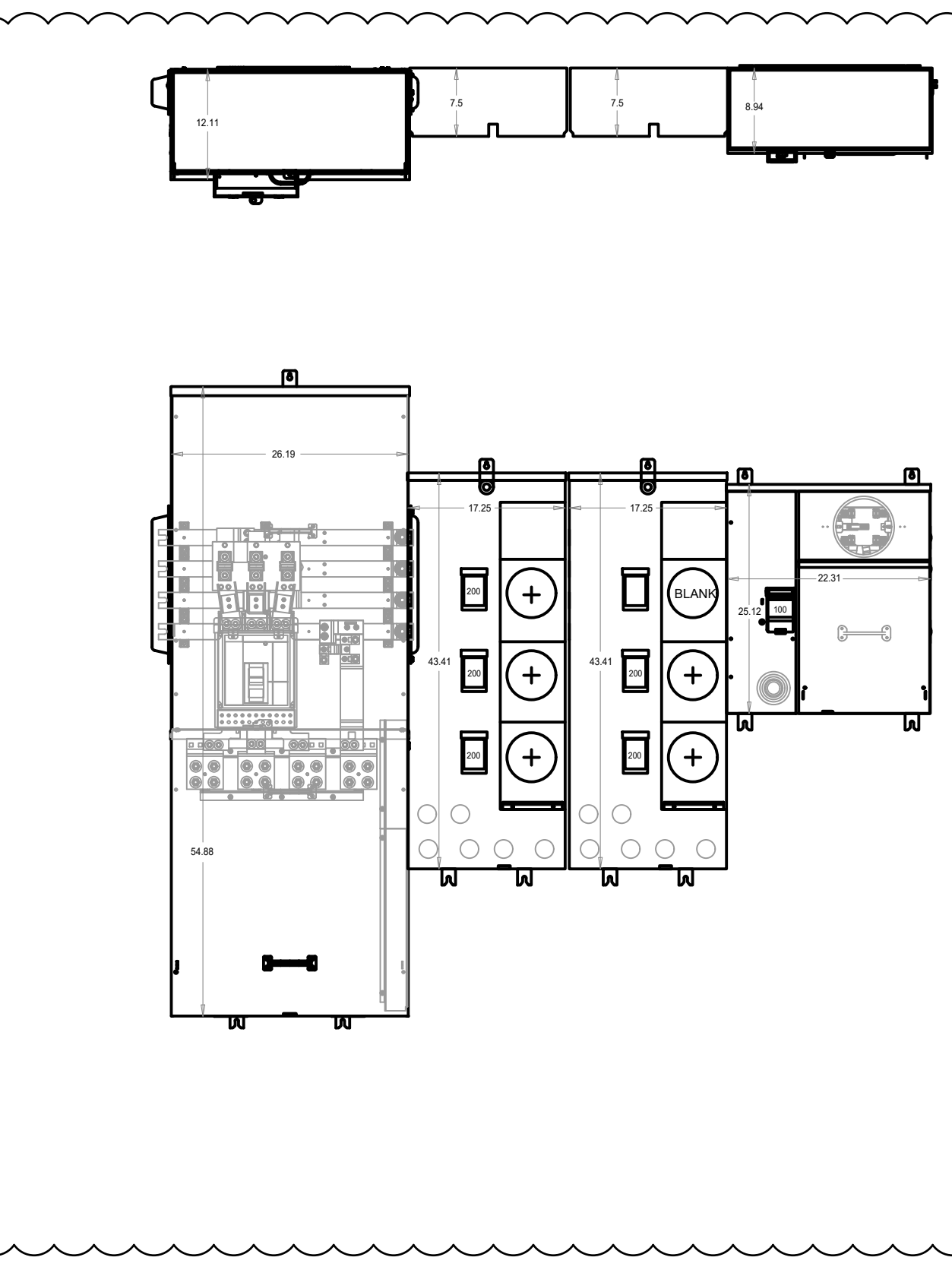
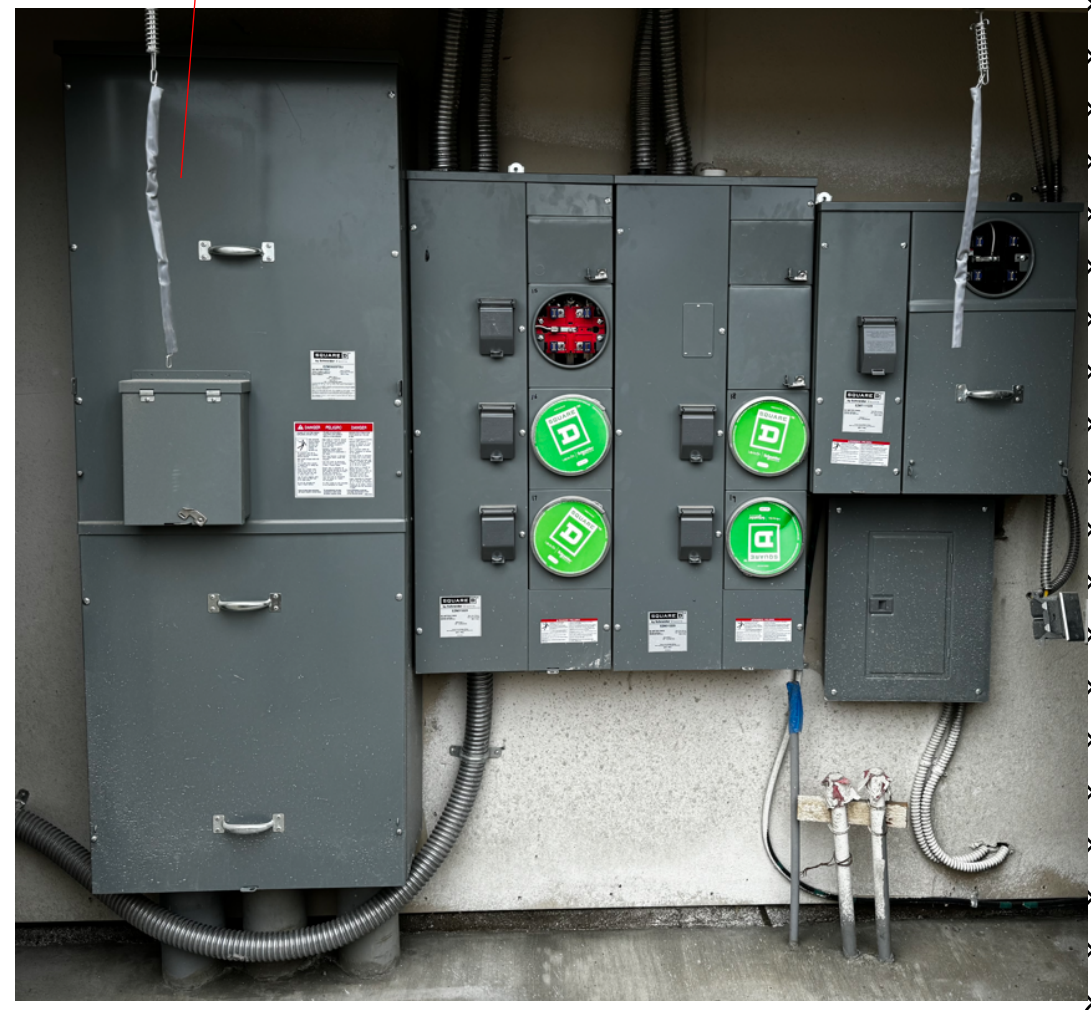
SINGLE-LINE DIAGRAM KEYED NOTES

- VERIFY WITH SERVICE PLANNER FOR AIC RATING AND ELECTRICAL INFORMATION BEFORE ISSUING ANY BID. NOTIFY ENGINEER IMMEDIATELY IF MAJOR DISCREPANCIES OCCUR.
- STUB UP CONDUIT FOR PV SYSTEM. PV SYSTEM SHALL BE SUBMITTED UNDER A SEPARATE PERMIT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PV CONSULTANT FOR THE EXACT SIZE OF CONDUIT AND ALL ELECTRICAL REQUIREMENTS.
- REFER TO UTILITY PLANS FOR EXACT ROUTING OF FEEDERS AND FEEDER SIZE.



SINGLE-LINE DIAGRAM GENERAL NOTES

- THE MAXIMUM AVAILABLE FAULT CURRENT IS BASED ON WORST CASE FAULT CURRENT PUBLISHED BY THE UTILITY COMPANY. CONTRACTOR TO OBTAIN FAULT CURRENT LETTER FROM UTILITY COMPANY FOR EACH SERVICE BEFORE ORDERING SWITCHBOARD. IF AVAILABLE FAULT CURRENT IS HIGHER THAN SHOWN IN THE DRAWINGS, CONTACT ELECTRICAL ENGINEER IMMEDIATELY.
- LETTER FOR SHORT CIRCUIT CURRENT VALUE FROM UTILITY COMPANY SHALL BE AVAILABLE AT THE JOB SITE FOR INSPECTION.
- ELECTRICAL EQUIPMENT SHALL BE LISTED BY THE CITY, WHERE THE PROJECT IS LOCATED, RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
- ALL NEW CIRCUIT BREAKERS, FUSIBLE SWITCHES AND ELECTRICAL EQUIPMENT, IF FULLY RATED, SHALL HAVE A SHORT-CIRCUIT (AIC) RATING EXCEEDING THE AVAILABLE SHORT-CIRCUIT CURRENT AT THE EQUIPMENT.
- ALL SWITCHBOARDS AND DISTRIBUTION BOARDS SHALL HAVE:
 - TIN PLATED ALUMINUM BUSING WITH RECTANGULAR CROSS SECTION. HORIZONTAL AND VERTICAL BUSSING SHALL BE FULL LENGTH AND SHALL HAVE PROVISIONS FOR FUTURE EXTENSIONS. ALL BUSSING SHALL HAVE MINIMUM WITHSTAND RATING EQUAL TO THE AVAILABLE FAULT CURRENT INDICATED. ALL VERTICAL AND HORIZONTAL BUSSING SHALL BE RATED AT FULL CAPACITY IN ALL SWITCHBOARD AND DISTRIBUTION BOARD SECTIONS. PROVIDE 100% NEUTRAL BUSSING MINIMUM UNLESS OTHERWISE NOTED. PROVIDE FULL LENGTH GROUND BUS AND, WHERE INDICATED ON PLANS, ISOLATED GROUND BUSSING. PROVIDE REAR WIRE WAY IN ALL SWITCHBOARD SECTIONS.
 - LUGS SUITABLE FOR USE WITH COPPER OR ALUMINUM CONDUCTORS LISTED FOR USE WITH 75 DEGREE CELSIUS AMPACITY CONDUCTORS.
 - PERMANENT PLACARD(S) MARKED PER THE SPECIFICATIONS AND PER NEC (OR CEC-WHERE ADOPTED) SECTIONS 225.37, 230.2(E), 690.56, 692.56, 700.7, 701.7, 702.7, AND 705.10 DENOTING THE PRESENCE OF ADDITIONAL SERVICES: PHOTOVOLTAIC SYSTEMS, FUEL CELLS, EMERGENCY OR STAND-BY POWER SOURCES AS APPLICABLE.
 - SINGLE LINE DIAGRAM SHOWN IS A "FULLY RATED SYSTEM" UNLESS NOTED, OTHERWISE.
 - THE MAXIMUM COMBINED VOLTAGE DROP ON BOTH INSTALLED FEEDER CONDUCTORS AND BRANCH CONDUCTORS TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT.
 - ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE "UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION".
 - ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT PER LAMC 93.0402.
 - SERIES RATED COMPONENTS SHALL BE INSTALLED MAINTAINED PER THE MANUFACTURER SERIES RATING CHART AND LABELED ACCORDINGLY PER CEC SECTION 110.22 AND 240.83(C).
 - ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MANUFACTURER TO ENSURE THAT THE SERIES-RATED COMPONENTS INSTALLED ALIGN WITH THE SERIES RATED CHART.



B ELECTRICAL EQUIPMENT ELEVATION - BUILDING 6 - 'MS6'
SCALE: 3/4" = 1'-0"

Interrupting Rating RMS Symmetrical Amperes at V- Max / Valor nominal de interrupción A simétricos con V- máx.	Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A Rating / Valor nominal máx. en A)	Poles / Poles	SQUARE D Tenant Circuit Breaker (Integral or Remotely) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto)	QO Load Center / Centro de Carga QO			HOMELINE Load Center / Centro de Carga HOMELINE		
				Designation / Designación de Catálogo	Max. A Rating / Normal A Máx.	Branch Breaker / Interruptor Automático Derivado	Designation / Designación de Catálogo	Max. A Rating / Normal A Máx.	Branch Breaker / Interruptor Automático Derivado
42,000 at 240V	LA, MA	2, 3	QO-VH (125)	1 Pole / 1 Poles	2 Poles / 2 Poles	3 Poles / 3 Poles	1 Pole / 1 Poles	2 Poles / 2 Poles	3 Poles / 3 Poles
65,000 at 240V	LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000)	2, 3	QO-VH (125) or QOH	QOM1-VH of NONE	QO W QOT	70 100	HOM S HOMT	50 100 50 100	50 100 50 100
100,000 at 240V	MHF, Class R, J, T8, T3, L (1200)	2, 3		QOM2-VH of NONE	QO W QOT	70 200 †	HOM S HOMT	50 200 † 50 200 †	50 200 † 50 200 †
42,000 at 240V	LA, MA	2, 3		QO W QOT	70 20	100 †	HOM S HOMT	50 30 50 30	50 30 50 30
65,000 at 240V	LH, MG, MH, PG, PA (1600), RG (2000), RJ (2000)	2, 3	QO (225)	QO W QOH	70 20	125 30	100 †		
100,000 at 240V, 2 pole	MJ, MHF, PJ, PH (1600), RJ (2000)	2, 3	QO (225)	QO W QOH	70 20	100			
100,000 at 240V, 3 pole	Class R, J, T8, T3, L (1200)								

For Homeline Convertible Main Load Centers Protected with Two-Pole QD or QG Tenant Circuit Breakers

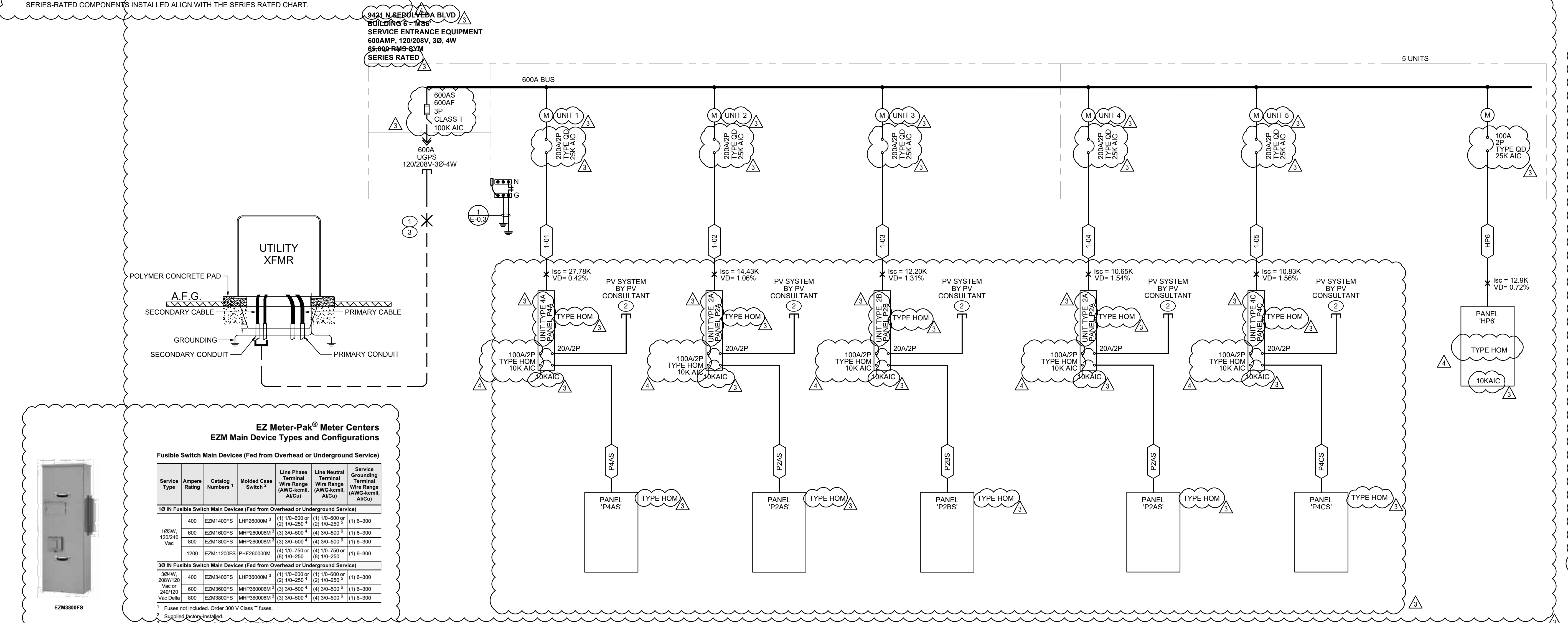
HOUSE PANEL 'HP6'
100A/2P MAIN BREAKER:



- QDP22100TM**
- Product availability: Stock - Normally stocked in distribution facility
- Available in 2 or 3 pole design
 - Overcurrent protection and switching on AC systems
 - Common accessories across the range
 - Confidence and power reliability
 - UL 489 Listed, CSA, ANCE, IEC certified for world wide applications
 - Environmental performance of the product [Learn more](#)
- Sustainably by Design
- Green Premium Transparency RoHS/REACH

Rating / Valor nominal	Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Máx. A Rating / Valor nominal máx. en A)	Poles / Poles	SQUARE D Tenant Circuit Breaker (Integral or Remotely) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto)	QO Load Center / Centro de Carga QO			HOMELINE Load Center / Centro de Carga HOMELINE		
				Designation / Designación de Catálogo	Max. A Rating / Normal A Máx.	Branch Breaker / Interruptor Automático Derivado	Designation / Designación de Catálogo	Max. A Rating / Normal A Máx.	Branch Breaker / Interruptor Automático Derivado
42,000	LA, MA	2, 3	QO-VH (125)	1 Pole / 1 Poles	2 Poles / 2 Poles	3 Poles / 3 Poles	1 Pole / 1 Poles	2 Poles / 2 Poles	3 Poles / 3 Poles
65,000	LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000)	2, 3	QO-VH (125) or QOH	QOM1-VH of NONE	QO W QOT	70 100	HOM S HOMT	50 100 50 100	50 100 50 100
100,000	MHF, Class R, J, T8, T3, L (1200)	2, 3		QOM2-VH of NONE	QO W QOT	70 200 †	HOM S HOMT	50 200 † 50 200 †	50 200 † 50 200 †
42,000	LA, MA	2, 3		QO W QOT	70 20	100 †	HOM S HOMT	50 30 50 30	50 30 50 30
65,000	LH, MG, MH, PG, PA (1600), RG (2000), RJ (2000)	2, 3	QO (225)	QO W QOH	70 20	125 30	100 †		
100,000	MJ, MHF, PJ, PH (1600), RJ (2000)	2, 3	QO (225)	QO W QOH	70 20	100			

Applied to Fixed Main Homeline Load Centers



Address: 9421 SEPULVEDA BL UNIT 1, NORTH HILLS

Overall Job Progress:

29% Complete	
Electric Meter Installation:	
Meter Job Created	Completed On 08/06/2024
Address Validation	Completed On 12/19/2024
ESR Meter Release	PENDING
LADBS Meter Release	PENDING
Final Approval (Job Sent to Construction)	PENDING
Job Assigned to Crew	PENDING
Meter Installed	PENDING

Additional Service Information:

Job Address: 9421 SEPULVEDA BL UNIT 1, NORTH HILLS
Work Request (Work Order) No: 2780559
Project ID: P307849
120/208 Volts, 1 Phase, 3 Wire
Meter Switch Amps: 200
Fault Current: 42,000 Amps AIC
Switchboard info: 600A MS6

Please contact the Connection Center at (213) 367-6937 if your questions are not answered.

© 2025 - Track Electrical Service Installation Status

EZ Meter-Pak® Meter Centers

EZM Main Device Types and Configurations

Service Type	Ampere Rating	Catalog Number	Molded Case Switch	Line Phase Terminal Wire Range (AWG/kcmil)	Line Neutral Terminal Wire Range (AWG/kcmil)	Service Grounding Terminal Wire Range (AWG/kcmil)
10 IN Fusible Switch Main Devices (Fed from Overhead or Underground Service)						
120W	400	EZM1400FS	LHP26000M ¹	(1) 1/0-600 ² (2) 1/0-250 ²	(1) 1/0-600 ² (2) 1/0-250 ²	(1) 1/0-300
120W	600	EZM1600FS	MHP26000M ¹	(3) 3/8-500 ² (4) 3/8-500 ²	(3) 3/8-500 ² (4) 3/8-500 ²	(1) 1/0-300
120W	800	EZM1800FS	MHP36000M ¹	(3) 3/8-500 ² (4) 3/8-500 ²	(3) 3/8-500 ² (4) 3/8-500 ²	(1) 1/0-300
240V	1200	EZM11200FS	PHF26000M ¹	(4) 1/2-750 ² (5) 1/2-750 ²	(4) 1/2-750 ² (5) 1/2-750 ²	(1) 1/0-300
30 IN Fusible Switch Main Devices (Fed from Overhead or Underground Service)						
120W	400	EZM3400FS	LHP36000M ¹	(1) 1/0-600 ² (2) 1/0-250 ²	(1) 1/0-600 ² (2) 1/0-250 ²	(1) 1/0-300
120W	600	EZM3600FS	MHP36000M ¹	(3) 3/8-500 ² (4) 3/8-500 ²	(3) 3/8-500 ² (4) 3/8-500 ²	(1) 1/0-300
120W	800	EZM3800FS	MHP36000M ¹	(3) 3/8-500 ² (4) 3/8-500 ²	(3) 3/8-500 ² (4) 3/8-500 ²	(1) 1/0-300
240V	1200	EZM31200FS	PHF36000M ¹	(4) 1/2-750 ² (5) 1/2-750 ²	(4) 1/2-750 ² (5) 1/2-750 ²	(1) 1/0-300

1 Fuses not included. Order 300 V Class T fuses.
2 Standard factory-installed.
3 Handle extension available. Order M-AHXLX Handle in target, allowing it to be locked under door on cover.
4 Alternate lug kits are available for use on side of molded case switch (refer to most current Dignel).
5 Alternate neutral lugs available. Order one MML4500 for use on two 3/8" AIG-500 kcmil AICu (includes three two-barrel lugs). Neutral will accommodate one two-barrel lug only.
6 Alternate neutral lugs available. Order one MML4250 for use on 1/0" AIG-500 kcmil AICu or two 1/0" AIG-250 kcmil AICu (includes three two-barrel lugs). Neutral will accommodate two two-barrel lugs only.

Voltage Drop and Short Circuit Calculation

CABLE NAME	PANEL NAME	UNIT NUMBER	VOLTS	PHASE	DEMAND AMPS	AMPS	FEEDER			CONDUIT			FAULT CURRENT					
							PARALLEL RUNS	PHASE CONDUCTOR	EQUIPMENT GROUNDING CONDUCTOR	CONDUCTOR MATERIAL	CONDUCTOR INSULATION	CONDUIT TYPE	CONDUIT SIZE	FILL% (<40%)	DISTANCE (FT) L ¹	%VD	AVAILABLE FAULT CURRENT	Isc
-1-01	P4A	1	208	1	164	200	1	250	4	ALUM	THHN	SER	NaN	-	26	0.41	65000	27771
P4AS	P4AS	1	208	1	100	100	1	1	4	ALUM	THHN	SER	NaN	-	15	0.36	27771	14912
-1-02	P2A	2	208	1	161	200	1	250	4	ALUM	THHN	SER	NaN	-	68	1.05	65000	14425
P2AS	P2AS	2	208	1	100	100	1	1	4	ALUM	THHN	SER	NaN	-	15	0.36	14425	9963
-1-03	P2B	3	208	1	161	200	1	250	4	ALUM	THHN	SER	NaN	-	84	1.3	65000	12193
P2BS	P2BS	3	208	1	100	100	1	1	4	ALUM	THHN	SER	NaN	-	15	0.36	12193	8844
-1-04	P2A	4	208	1	161	200	1	250	4	ALUM	THHN	SER	NaN	-	99	1.53	65000	10648
P2AS	P2AS	4	208	1	100	100	1	1	4	ALUM	THHN	SER	NaN	-	15	0.36	10648	8002
-1-05	PC	5	208	1	164	200	1	250	4	ALUM	THHN	SER	NaN	-	97	1.53	65000	10831
PCCS	PCCS	5	208	1	100	100	1	1	4	ALUM	THHN	SER	NaN	-	15	0.36	10831	8105
HP6	HP6	PANEL	208	1	100	100	1	1	4	ALUM	THHN	EMT	1 1/4	36.83%	30	0.72	65000	12906

¹ NOTE: THE VOLTAGE DROP IN THE ABOVE TABLE IS AN ESTIMATED LENGTH THE CONTRACTOR SHALL REVISE THE FEEDER SCHEDULE BASED ON THE ACTUAL LENGTH IN THE FIELD, AND INCREASE OR DECREASE THE FEEDER SIZE TO ACCOMMODATE THE VOLTAGE DROP. ELECTRICAL CONTRACTOR SHALL INFORM THE ENGINEER OF RECORD IN EVENT FIELD CONDITIONS THAT CAUSE A SUBSTANTIAL INCREASE IN OVERALL FEEDER LENGTH. THE FEEDER SHALL BE SIZED TO PREVENT VOLTAGE DROP FROM EXCEEDING 3%, AND TOTAL VOLTAGE DROP FOR BRANCH CIRCUIT AND FEEDER SHALL NOT EXCEED 5% PER NEC 210.19.215.2.²

Sepulveda-Plummer (Phase 1)
Building 6
22041-10000-47531

REVISIONS		
NO.	DATE	DESCRIPTION
01	01/31/23	PLAN CHECK
02	03/16/23	PLAN CHECK
03	09/30/24	CLIENT/SOLAR REV.
04	11/12/24	PLAN CHECK

SHEET NAME:
SINGLE LINE DIAGRAM BUILDING 6

PROJECT NUMBER:
66002
ENGINEER:
DRAFTER:

SHEET NUMBER:
E-0.4