PANEL SCHEDULE - PANEL "HL"

SQUARE D **HOM3060L225PGCVP**

PANEL	HL (DWELLING LOAD CENTER)	**VOLTS**	120/240V 1PH 3W
MODEL	SQUARE D HOMELINE HOM3060L225PGCVP (PLUG-ON NEUTRAL)	**MAINS**	225A MAIN LUGS
SPACES	30 (60 CKT MAX)	**MAIN OCPD**	200A IN EATON TYPE BR MBT48B200BTS METER COMBO
BUS	225A	**AIC**	BREAKERS 10 KAIC - VERIFY PANEL SCCR ON LABEL
MOUNTING	SURFACE, FURRED CMU, NEMA 1	**LOCATION**	GARAGE WEST WALL

CKT	DESCRIPTION	WIRE	CAT. NO.	TRIP	P	LOAD VA	LOAD VA	P	TRIP	CAT. NO.	WIRE	DESCRIPTION	CKT
1	RANGE	8/3	HOM240GFI	40	2	6,000	1,500	1	20	HOM120PDF	12/2	KITCHEN SA #2 - ISLAND COUNTER	2
3	(2ND POLE - COMMON TRIP)					6,000	1,500	1	20	HOM120PDF	12/2	KITCHEN SA #1 - COUNTER, FRIDGE, NOOK/DINING	4
5	DRYER	10/3	HOM230GFI	30	2	2,500	2,184	1	20	HOM120PDF	12/2	DISHWASHER + DISPOSAL + HOOD	6
7	(2ND POLE - COMMON TRIP)					2,500	1,500	1	20	HOM120PDF	12/2	LAUNDRY RECEPTACLE	8
9	WATER HEATER	10/2	HOM230	30	2	2,250	1,500	1	20	HOM120PDF	12/2	BATH 2 RECEPTACLES	10
11	(2ND POLE - COMMON TRIP)					2,250	1,500	1	20	HOM120PDF	12/2	MASTER BATH RECEPTACLES	12
13	AIR HANDLER (AHU)	10/2	HOM230	30	2	2,860	1,716	1	20	HOM120PDF	12/2	GARAGE RCPTS, DOOR OPENER, IRRIGATION	14
15	(2ND POLE - COMMON TRIP)					2,860	1,248	1	15	HOM115PDF	14/2	WEST BEDROOMS + BATH 2 LIGHTS	16
17	AC CONDENSER (OUTDOOR)	12/2	HOM220	20	2	1,800	1,226	1	15	HOM115PDF	14/2	BED 3, HALL, FRONT ENTRY, SMOKE/CO	18
19	(2ND POLE - COMMON TRIP)					1,800	1,162	1	15	HOM115PDF	14/2	KITCHEN/FAMILY/DINING/GARAGE LIGHTS	20
21	SPACE						1,347	1	15	HOM115PDF	14/2	MASTER SUITE + MASTER BATH/WC LIGHTS	22
23	SPACE												SPACE
25	SPACE												SPACE
27	SPACE												SPACE
29	SPACE												SPACE
PHASE TOTALS - CONNECTED VA												**A 24,883 / B 22,320 / TOTAL 47,203 VA - BALANCE 10.3% - SERVICE LOAD PER 220.82 CALC.**	

CONNECTED LOAD SUMMARY

LIGHTING	HL-16, HL-18, HL-20, HL-22	**4,983**
GENERAL RECEPTACLES	HL-8, HL-10, HL-12, HL-14	**6,216**
SMALL APPLIANCE (KITCHEN)	HL-2, HL-4	**3,000**
APPLIANCES (RANGE/DRYER/WH/DW)	HL-1, HL-5, HL-6, HL-9	**23,684**
HVAC (AHU/CONDENSER)	HL-13, HL-17	**9,320**
TOTAL CONNECTED		**47,203**

SPACES

USED	21 SPACES
SPARE	9 SPACES (21, 23, 24, 25, 26, 27, 28, 29, 30)
2-POLE	1/3, 5/7, 9/11, 13/15, 17/19
PHASING	ROWS ALTERNATE A / B

DWELLING LOAD CALCULATION - NEC 2023 220.82 (OPTIONAL METHOD)

1	GENERAL LIGHTING/RCPTS: 1,661 FT2 x 3 VA	**4,983**
2	SMALL-APPLIANCE CKTS HL-2, HL-4: 2 x 1,500 VA	**3,000**
3	LAUNDRY CKT HL-8: 1 x 1,500 VA	**1,500**
4	RANGE (HL-1) 12.0 KW	**12,000**
5	DRYER (HL-5) 5.0 KW	**5,000**
6	WATER HEATER (HL-9) 4.5 KW	**4,500**
7	DISHWASHER (HL-6)	**1,200**
8	DISPOSAL 1/3 HP, 7.2 A (HL-6)	**864**
9	RANGE HOOD FAN (HL-6)	**120**
10	OVER-RANGE MICROWAVE (IF INSTALLED)	**1,500**
11	GARAGE DOOR OPENER 1/2 HP, 9.8 A (HL-14)	**1,176**
	TOTAL GENERAL LOAD (LINES 1-11)	**35,843**

FIRST 10,000 VA OF GENERAL LOAD @ 100%	**10,000**
REMAINDER 25,843 VA @ 40%	**10,337**
GENERAL LOAD AFTER DEMAND	**20,337**
AC: CONDENSER 3,600 + AHU BLOWER 720 @ 100%	**4,320**
HEAT: HP COMPRESSOR 3,600 @ 100% + 5 KW STRIP @ 65%	**6,850**
+ AHU BLOWER 720 @ 100% (220.82(C)(3))	**720**
LARGER OF HEAT / AC (HEAT 7,570 > AC 4,320)	**7,570**
TOTAL CALCULATED LOAD	**27,907 VA**
SERVICE LOAD @ 240 V	**116.3 A**
SERVICE RATING (MAIN OCPD AT METER COMBO)	**200 A**
RESULT	**ADEQUATE (58% OF 200A)**

ASSUMED = STANDARD VALUE, NO NAMEPLATE ON PLANS. VERIFY AT ROUGH-IN; RECALCULATE IF RANGE, DRYER, WH, AHU STRIP OR CONDENSER MCA DIFFER.

AREA: ARCHITECTURAL AREA TABULATION, 1ST FLOOR LIVING 1,661 FT2 (ENTRY 94, GARAGE 394, PATIO 94 FT2 EXCLUDED PER 220.82(B)(1)).

SERVICE IS 200 A FROM THE EATON TYPE BR MBT48B200BTS METER COMBO (200 A MAIN). PANEL BUS IS RATED 225 A; MAIN OCPD IS THE 200 A BREAKER AT THE METER COMBO. THE 200 A SERVICE IS ADEQUATE FOR THE 116.3 A CALCULATED LOAD.

SCHEDULE NOTES

1. CIRCUIT NUMBER = PHYSICAL SPACE NUMBER: ODD 1-29 LEFT, EVEN 2-30 RIGHT. 2-POLE BREAKERS USE TWO ADJACENT SPACES, COMMON TRIP.
2. HOM240GFI (RANGE) / HOM230GFI (DRYER) = SQUARE D HOMELINE 2-POLE GFCI, PIGTAIL NEUTRAL. HOM120PDF / HOM115PDF = HOMELINE DUAL-FUNCTION CAFCI/GFCI PLUG-ON NEUTRAL. HOM230 / HOM220 = STANDARD HOMELINE 2-POLE. ALL BREAKERS SQUARE D HOMELINE - NO OTHER BRAND IN THIS PANEL.
3. HL-2 + HL-6: 10/2 UF W/G IN ONE 1-1/4" PVC UNDER SLAB ON 20A DF BREAKERS (DERATED 24A). OPEN: AHU (13/15) AND CONDENSER (17/19) BREAKER AND WIRE PER NAMEPLATE MOCP. HL-6 DW + DISPOSAL + HOOD - VERIFY NAMEPLATES.
4. LOAD VA MATCH THE 220.82 CALC ABOVE: LIGHTING CIRCUITS SHARE 3 VA/FT2; RECEPTACLES 180 VA EACH; SA/LAUNDRY 1,500 VA; FIXED APPLIANCES AS LISTED.
5. REBUILT SHEET: CIRCUIT DATA AND LOAD CALCULATION CARRIED OVER FROM THE V13S PLAN SET, SHEET E-2. BREAKER TYPES SHOWN ARE THE SQUARE D HOMELINE EQUIVALENTS FOR THE PANEL ACTUALLY INSTALLED AT THIS HOUSE.

Crew reference drawing - not for construction. Not a PE-sealed drawing.

SHARMA ELECTRIC & HVAC

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PROJECT

NONA 1672 - 3274 W EUNICE DR

DUNNELLON, FL 34433

PANEL: WEST GARAGE WALL

CLIENT

Z BROTHERS CONSTRUCTION

220 N KIRKMAN RD, SUITE A,
ORLANDO, FL 32811

SHEET

TITLE: PANEL SCHEDULE - HL

SCALE: NONE

DATE: 2026-11-06

REVISIONS

0 - 2026-11-06 - HOMELINE REBUILD

Crew reference drawing
not for construction.
Not a PE-sealed drawing.

E-2

PANEL SCHEDULE