PANEL SCHEDULE - PANEL "SN"

SIEMENS SN3048L1200

PANEL	SN (DWELLING LOAD CENTER)	VOLTS	120/240V 1PH 3W
MODEL	SIEMENS SN3048L1200 (PLUG-ON NEUTRAL)	MAINS	200A MAIN LUGS
SPACES	30 (48 CKT MAX)	MAIN OCPD	200A IN SIEMENS MM0202B1200 METER-MAIN
BUS	200A ALUMINUM	AIC	100 KAIC ML RATING; BREAKERS 10/22 KAIC - VERIFY
MOUNTING	SURFACE, FURRED CMU, NEMA 1	LOCATION	GARAGE WEST WALL

CKT	DESCRIPTION	WIRE	CAT. NO.	TRIP	P	LOAD VA	PH A	PH B	LOAD VA	P	TRIP	CAT. NO.	WIRE	DESCRIPTION	CKT
1	RANGE	8/3	QF240A	40	2	6,000	7,500		1,500	1	20	Q120DFN	12/2	KITCHEN SA #2 - ISLAND COUNTER	2
3	(2ND POLE - COMMON TRIP)					6,000		7,500	1,500	1	20	Q120DFN	12/2	KITCHEN SA #1 - COUNTER, FRIDGE, NOOK/DINING	4
5	DRYER	10/3	Q230GF	30	2	2,500	4,684		2,184	1	20	Q120DFN	12/2	DISHWASHER + DISPOSAL + HOOD	6
7	(2ND POLE - COMMON TRIP)					2,500		4,000	1,500	1	20	Q120DFN	12/2	LAUNDRY RECEPTACLE	8
9	WATER HEATER	10/2	Q230	30	2	2,250	3,750		1,500	1	20	Q120DFN	12/2	BATH 2 RECEPTACLES	10
11	(2ND POLE - COMMON TRIP)					2,250		3,750	1,500	1	20	Q120DFN	12/2	MASTER BATH RECEPTACLES	12
13	AIR HANDLER (AHU)	10/2	Q230	30	2	2,860	4,576		1,716	1	20	Q120DFN	12/2	GARAGE RCPTS, DOOR OPENER, IRRIGATION	14
15	(2ND POLE - COMMON TRIP)					2,860		4,108	1,248	1	15	Q115DFN	14/2	WEST BEDROOMS + BATH 2 LIGHTS	16
17	AC CONDENSER (OUTDOOR)	12/2	Q220	20	2	1,800	3,026		1,226	1	15	Q115DFN	14/2	BED 3, HALL, FRONT ENTRY, SMOKE/CO	18
19	(2ND POLE - COMMON TRIP)					1,800		2,962	1,162	1	15	Q115DFN	14/2	KITCHEN/FAMILY/DINING/GARAGE LIGHTS	20
21	SPACE						1,347		1,347	1	15	Q115DFN	14/2	MASTER SUITE + MASTER BATH/WC LIGHTS	22
23	SPACE							0						SPACE	24
25	SPACE						0							SPACE	26
27	SPACE							0						SPACE	28
29	SPACE						0							SPACE	30
PHASE TOTALS - CONNECTED VA							24,883	22,320	CONNECTED VA: A 24,883 / B 22,320 / TOTAL 47,203 - BALANCE 10.3%. SERVICE LOAD PER 220.82 CALC.						

CONNECTED LOAD SUMMARY

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

SPACES

ITEM	VALUE
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)

NO	LOAD	NEC	VA	BASIS
1	GENERAL LIGHTING/RCPTS: 1,661 FT2 x 3 VA	220.82(B)(1)	4,983	PLANS: LIVING AREA
2	SMALL-APPLIANCE CKTS SN-2, SN-4: 2 x 1,500 VA	220.82(B)(2)	3,000	CODE
3	LAUNDRY CKT SN-8: 1 x 1,500 VA	220.82(B)(2)	1,500	CODE
4	RANGE (SN-1) 12.0 KW	220.82(B)(3)	12,000	ASSUMED
5	DRYER (SN-5) 5.0 KW	220.82(B)(3)	5,000	ASSUMED
6	WATER HEATER (SN-9) 4.5 KW	220.82(B)(3)	4,500	ASSUMED
7	DISHWASHER (SN-6)	220.82(B)(3)	1,200	ASSUMED
8	DISPOSAL 1/3 HP, 7.2 A (SN-6)	220.82(B)(4)	864	ASSUMED
9	RANGE HOOD FAN (SN-6)	220.82(B)(3)	120	ASSUMED
10	OVER-RANGE MICROWAVE (IF INSTALLED)	220.82(B)(3)	1,500	ASSUMED
11	GARAGE DOOR OPENER 1/2 HP, 9.8 A (SN-14)	220.82(B)(4)	1,176	ASSUMED
	TOTAL GENERAL LOAD (LINES 1-11)		35,843	

DEMAND (220.82(B) + (C))	VA / A
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 (15 A MCA) + 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 / PANEL RATING	200 A
RESULT	ADEQUATE (58% OF 200 A)

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)).

200 A SIEMENS MM0202B1200 METER-MAIN AND 200 A SN3048L1200 PANEL ARE ADEQUATE FOR 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 (BAR SHOWN).
2. Q115DFN / Q120DFN = SIEMENS DUAL-FUNCTION CAFCI/GFCI PLUG-ON NEUTRAL. Q2XX = STANDARD QP 2-POLE. QF240A (RANGE) / Q230GF (DRYER) = 2-POLE GFCI, PIGTAIL NEUTRAL.
3. SN-2 + SN-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. SN-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.

ELECTRICAL POWER DESIGN PREPARED BY:

SHARMA ELECTRIC & HVAC

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CERTIFIED AIR CONTRACTOR CAC1823596

PROJECT

ADDRESS
NONA 1672 - 3131 W EUNICE DR
DUNNELLON, FL 34433
PANEL: WEST GARAGE WALL

CLIENT

Z BROTHERS
PURPOSE | DREAMS | HOMES

Z BROTHERS CONSTRUCTION
220 N KIRKMAN RD, SUITE A, ORLANDO, FL 32811

SHEET

TITLE
PANEL SCHEDULE - SN

SCALE
NONE

DATE
2026-10-29

ELECTRICAL CONTRACTOR EC13013924 | CERTIFIED AIR CONTRACTOR CAC1823596

NOT FOR CONSTRUCTION

NOT FOR BUILDING DEPARTMENT RECORD

SHEET

E-2

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