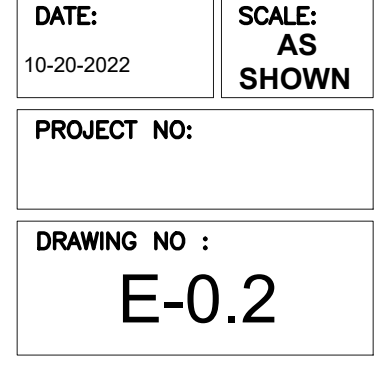


FIDANZA'S FAMILY HOUSE
NEW CONSTRUCTION
11041 SW 77TH AVE, PINECREST, FL 33156

VILLA & ASSOCIATES INC.
ARCHITECTURE - PLANNING - INTERIOR DESIGN
5801 SW 69 AVENUE - MIAMI, FLORIDA 33155
TEL. 305-613-0865 - E-Mail: jjvillarchitect@gmail.com

CONSULTANT: **ARCHI-TEK STUDIO CORP.**
TEL. 305-799-8016 - E-Mail: maguillar@architekstudio.com



PANEL "B"

TYPE: SIEMENS OR EQUAL APPROVED
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
SUPPLY FROM: PANEL "MDP"

RATED VOLTAGE: 120/240V, 1Ph, 3W
BUS RATING: 200
A.I.C. RATING: 22
BRANCH POLES: 42

KAIC
CIRCUITS

MAINS: M.L.O.
FEED LOCATION: TOP
SYSTEM: NORMAL
LOCATION: SEE FLOOR PLAN

ID	LOAD SERVED	COND.	EQ. GND.	WIRE AWG	TYPE	TRIP	CKT	Phase A (kVA)	Phase B (kVA)	CKT	TRIP	TYPE	WIRE AWG	EQ. GND.	COND.	LOAD SERVED	ID	
K	REFRIGERATOR #1	1/2"	12	12	AF	20	1	0.7	2.5	2	30/2	-	10	10	3/4"	DRYER	O	
K	REFRIGERATOR #2	1/2"	12	12	AF	20	3		0.7	2.5	4						O	
	LTG. KITCHEN	1/2"	14	14	AF	15	5	(*)	4.2	6	50/2	-	6	10	3/4"	DOUBLE OVEN #1	O	
A	KITCHEN SMALL APPLIANCES	1/2"	12	12	AF	20	7		1.5	4.1	8						O	
A	KITCHEN SMALL APPLIANCES	1/2"	12	12	AF	20	9	1.5	4.1	10							O	
A	KITCHEN SMALL APPLIANCES	1/2"	12	12	AF	20	11		1.5	4.2	12		6	10	3/4"	DOUBLE OVEN #2	O	
K	DISHWASHER	1/2"	12	12	AF/GF	20	13	1.2	3.4	14							O	
K	GARBAGE DISPOSAL	1/2"	12	12	AF/GF	20	15		0.9	3.4	16	40/2	-	8	10	3/4"	COOKTOP	O
	LTG. LIVING RM. (STRIP LIGHT)	1/2"	14	14	AF	15	17	(*)	(*)	18	20	-	12	12	1/2"	LTG. & RECEP. POWDER 3	O	
K	KITCHEN HOOD	1/2"	12	12	AF	20	19		0.4	(*)	20	20	-	12	12	1/2"	LTG. & RECEP. POOL DECK	O
	LTG. & RECEP. BBQ TERRACE	1/2"	14	14	-	15	21	(*)	(*)	(*)	22	20	-	12	12	1/2"	LTG. & RECEP. POOL DECK (STRIP LT.)	O
	LTG. & RECEP. BBQ TERRACE	1/2"	14	14	-	15	23		(*)	(*)	24	20	-	12	12	1/2"	LTG. & RECEP. POOL DECK	O
A	RECEP. BBQ AREA COUNTER	1/2"	12	12	-	20	25	1.5	(*)	(*)	26	20	GF	12	12	1/2"	LTG. WALKWAY BETWEEN POOLS	A
	LTG. & RECEP. MASTER BATHROOM	1/2"	12	12	-	20	27		(*)	(*)	28	20	-	12	12	3/4"	LTG. EAVE (STRIP LIGHT)	K
	LTG. & RECEP. W.I.C. HER	1/2"	14	14	-	15	29	(*)	(*)	30	20	-	12	12	3/4"	LTG. EAVE (STRIP LIGHT)	K	
	LTG. DINING ROOM	1/2"	14	14	AF	15	31		(*)	1.5	32	20	AF	12	12	1/2"	RECEP. DINING ROOM	A
	RECEP. LIVING ROOM	1/2"	12	12	AF	20	33		(*)	1.2	34	20	-	12	12	1/2"	ELEVATOR SUMP PUMP	K
	LTG. ELEVATOR PIT	1/2"	14	14	-	15	35		(*)	0.4	36	20	AF	12	12	1/2"	LTG. & FAN ELEV. CABIN	K
	RECEP. ELEVATOR PIT	1/2"	14	14	-	15	37	(*)	(*)	38	20	-	10	10	1/2"	RECEP. & POWER POOL DECK	K	
	SPACE	-	-	-	-	-	39	-	-	40	-	-	-	-	-	SPACE		
	SPACE	-	-	-	-	-	41	-	-	42	-	-	-	-	-	SPACE		
								20.3	21.1									

ID:

(A) APPLIANCE LOAD
(O) OTHER LOAD
(K) FASTENED APP. BY NEC 220.53
(*) INCLUDED IN AREA CALCULATION (3 VA/SQ.FT)
AF - ARC FAULT CIRCUIT INTERRUPTER
GF - GROUND FAULT CIRCUIT INTERRUPTER

DEMAND LOAD CALCULATION:

CONNECTED LOAD: = 41.4 KVA
LTG. & RECEP. (3VA/SQ.FT) 3,594 FT² = 10.8 KVA
TOTAL CONNECTED LOAD: = 52.2 KVA
GEN. LTG. + 5MA APP + LAUNDRY RECP. = 18.3 KVA
FIRST 3 KVA @ 100% = 3.0 KVA
REMAINING @ 35% = 5.3 KVA
OTHER LOADS BY 220.53 75% = 4.1 KVA
ALL OTHER LOADS @ 100% = 28.4 KVA
TOTAL DEMAND LOAD: = 40.9 KVA
DEMAND AMPERES: = 170 AMPS

Luis M Corzo

Digitally signed
by Luis M Corzo
DN: c=US,
o=Corzo
Engineering LLC,
dnQualifier=A014
10D0000017AA8
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, cn=Luis M Corzo
Date: 2023.08.29
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