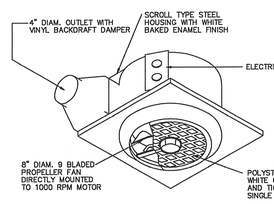


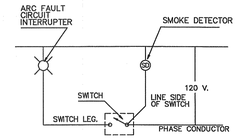
TYPICAL CEILING EXHAUST FAN DETAIL

FAN no.	CFM	VOLTS/PHASE	MODEL	MFR.	ACCESSORIES
EF-1	100	120 V/ 1 HP/	688	BROAM OR EQUAL	W/ BACKDRAFT DAMPER W/4"ø x 26 GA MTL. DUCT THOUGH ROOF OR O.H.

NOTE:
NEC 2008 ART SECTION 210-12 REQUIRES AFCI PROTECTION ON ALL BRANCH CIRCUITS SERVING 15 & 20 AMP, SINGLE PHASE 125 VOLT. OUTLETS IN DWELLING UNIT BEDROOM, LIVING RM., DINING RM., FAMILY RM., CLOSET, HALLWAY AND ALL SIMILAR AREA, SHALL BE PROTECTED BY A UL AFCI COMBINATION TYPE & TAMPER RESISTANT.

NOTES:
SMOKE DETECTORS ARE BATTERY BACK UP, 36" AWAY FROM ANY A/C VENT, AND INTERCONNECTED.

HARD WIRED CARBON MONOXIDE DETECTOR W/BATTERY BACKUP



NOTE:
SMOKE DETECTOR SHALL BE HARDWIRED (110 VOLT TYPE) TO A NON-SWITCHABLE AND FAULT CIRCUIT INTERRUPTER, WITH BATTERY BACK-UP AND SHALL NOT BE CONNECTED OVER THE LOAD SIDE OF GROUND FAULT CIRCUIT INTERRUPTER. ALL SMOKE DETECTORS WITHIN EACH UNIT SHALL BE INTERCONNECTED.

smoke detector connection detail

NTS

TYPE : SQUARE "D" or APPROVED EQUAL
SERVICE :
VOLTAGE : 240/120V 1 0 - 3/W
MOUNTING : SURFACE

PANEL :

MAIN BUS : 150 AMPS
NEUTRAL : 150 AMPS
MAINS : 150 AMPS
LOCATION : SHOWN

AMPS	POLES	TOTAL V.A.	COND SIZE+	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	COND SIZE+	TOTAL V.A.	POLES	AMPS
50	2	12000	1"	6	RANGE/OVEN	1	2	A.H.U	6	1"	10000	2	60
						3	4						
50	2	9600	1"	6	TANKLESS WATER HTR.	5	6	SPARE					
						7	8	WASHER	12	1/2"	1500	1	20
					SPARE	9	10	KITCHEN LIGHT	14	1/2"	750	1	15
					SPARE	11	12	DISHWASHER	12	1/2"	1200	1	20
20	1	1500	1/2"	12	SMALL APPL.	13	14	C.U.	10	1/2"	4200	2	30
						15	16						
					SPARE	17	18	REFRIGERATOR	12	1/2"	1500	1	20
20	1	900	1/2"	12	GFI RECEPT.	19	20	GEN LT & RECEP.	14	ROMEX	*	1	15
20	1	900	1/2"	12	BATH GFI	21	22						
30	2	5000	1/2"	10	DRYER	23	24						
						25	26						
15	1	*	ROMEX	14	GEN LT & SMOKE DET.	27	28						
					OUTLETS	29	30						
						31	32						
						33	34						
20	1	900	1/2"	12	EXTERIOR GFI	35	36						
						37	38						
						39	40						
						41	42						

DEMAND LOAD : 31,914 W = 133 AMP
(SEE LOAD CALCULATION) 10,000 AIC

FEEDER : 3 # 1 THW CU IN 1-1/2"Ø COND
FED FROM : SERVICE.

ELECTRICAL LOAD CALCULATION

A. - GENERAL LIGHTING LOAD
1694.30 SQ. FT. @ 3W/SQ. FT. = 5,083 WATT

B. - TWO SMALL APPLIANCE
CIRCUITS X 1,500 = 3,000 WATT

C. - FIXED APPLIANCES:

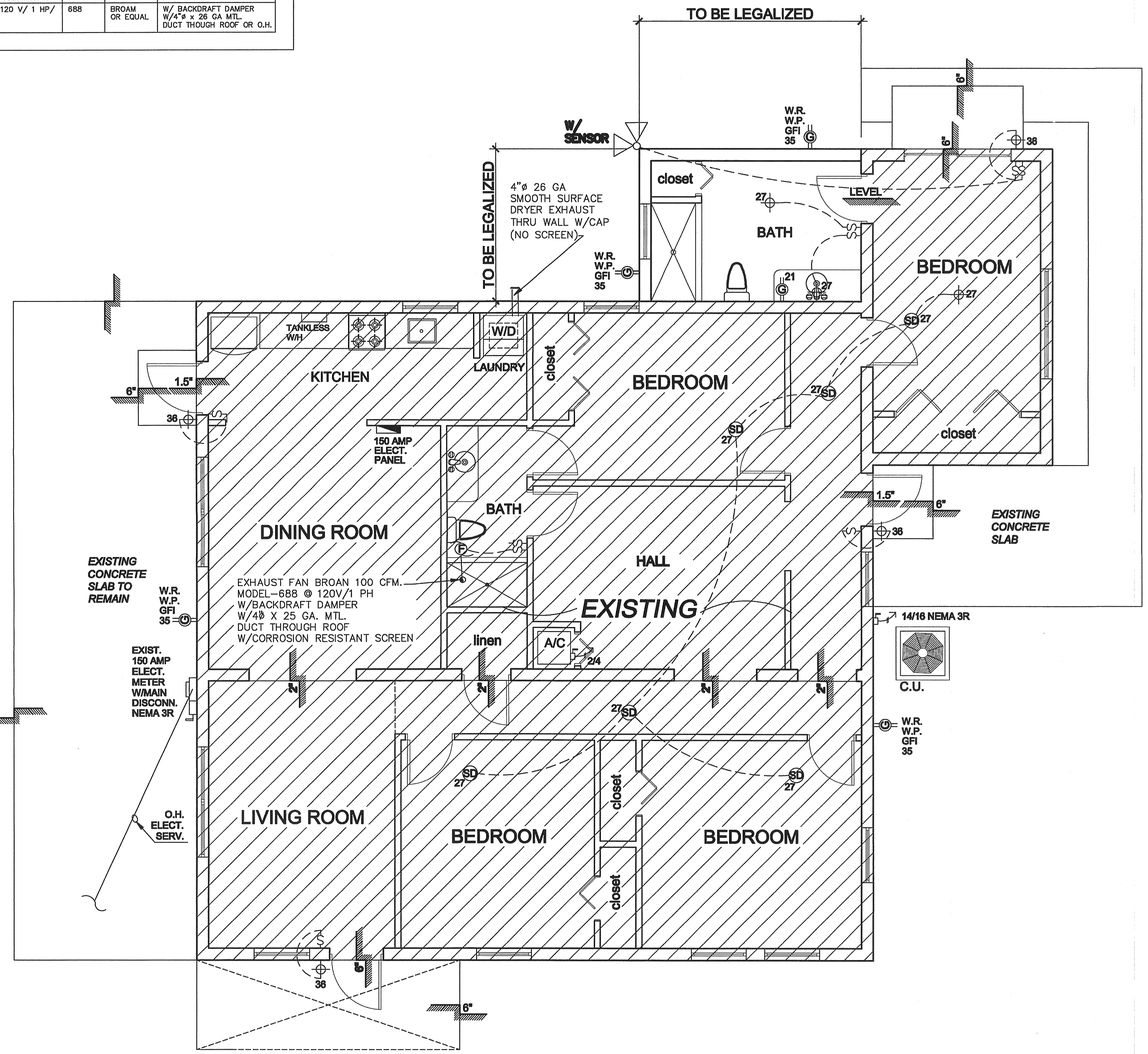
RANGE	12000
REFRIGERATOR	1500
DRYER	5000
WASHER	1500
TANKLESS WATER HTR.	9600
DISHWASHER	1200

D. - ONE G.F.I. BATH CIRCUIT
X 900 = 900 WATTS

CONNECTED LOAD LESS A/C = 39,783 WATT
10000 W @ 100% = 10000 WATT
REST W @ 40% = 11,914WATT
A/C (or heating) @ 100% =10000 WATT
DEMAND LOAD = 31,914 / 240 WATT = 133 AMP @ 240/120 V
SERVICE SIZE = 150 AMP

ELECTRICAL LEGEND

- SWITCH
- DUPLEX RECEPTACLE
- G.F.I. DUP. RECEPT.
- 240 V. OUTLET
- LIGHT FIXTURE
- HEATER LIGHT
- RECESSED DOWNLIGHT
- TELEPHONE
- TELEVISION
- DISCONNECT
- ELECTRIC PANEL
- CLG. FAN W/ LIGHT & P.C.
- EXHAUST FAN
- DBL. F48 FLUORESCENT LAMP
- SMOKE DETECTOR
- FLOOD LIGHT
- WP WEATHER-PROOF



ELECTRICAL PLAN

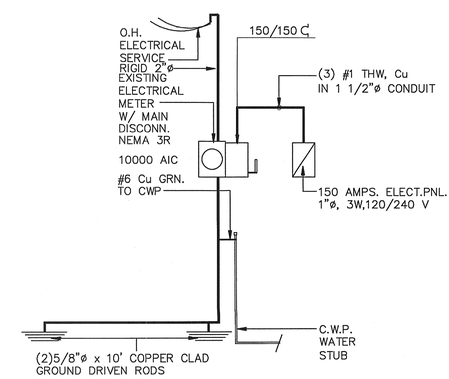
SCALE: 1/4" = 1'- 0"

NOTE:
NON-LOCKING RECEPTACLES IN DAMP AND WET LOCATIONS SHALL BE LISTED WEATHER-RESISTANT (IN ADDITION TO PROVISION OF THE REQUIRED TYPE OF COVERS) NEC 406.8 (A) & (B).

NOTE:
TAMPER RESISTANT RECEPTACLES ARE REQUIRED FOR ALL 15 AND 20 AMP 125 VAC RECEPTACLES

Electrical Notes:

1. ALL WORK SHALL COMPLY WITH THE LATEST EDITION ON THE "NATIONAL ELECTRICAL CODE" (NEC) & THE "FLORIDA BUILDING CODE" (FBC).
2. ALL CABLE SHALL BE COPPER UNLESS OTHERWISE NOTED AND APPROVED.
3. INDOORS CONDUIT SHALL BE EMT OR RMX CABLE.
4. OUTDOORS UNDERGROUND CONDUITS SHALL BE SCHEDULE-40 PVC UNDER PAVED AREAS.
5. CONTRACTOR SHALL FURNISHED ALL LABOR, MATERIALS AND EQUIP. FOR A COMPLETE ELEC. INST. IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS AND APPLICABLE CODES AND REGULATIONS.
6. ELEC. CONTRACTOR TO COORDINATE ALL OUTLET LOCATIONS WITH BLDG. AND ARCH. FIXTURES.
7. ELCT. CONTRACTOR TO PROVIDE EMPTY CONDUITS AS REQD. FOR TELEPHONE LINES & T.V. LINES.
8. ALL MOUNTING HARDWARE SHALL BE BY CONTRACTOR.
9. ALL LIGHT FIXTURES AND FANS TO BE SELECTED BY OWNER, UNLESS OTHERWISE NOTED.
10. ELECTRICAL CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO COMENCING ANY WORK. CONTRACTOR TO VERIFY AND APPROVE ALL INFORMATION ON DRAWINGS. ACCEPTANCE OF THESE PLANS CONSTITUTES APPROVAL. PLEASE NOTIFY ARCHITECT / ENGINEER BY CERTIFIED MAIL ON ANY CONFLITS OR DISCREPANCIES IF ANY.



existing electrical riser diagram NTS

THE CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED IN COMPLIANCE WITH FBC 2010

LEGEND
- EXISTING PARTITIONS TO REMAIN
- PARTITIONS TO BE LEGALIZED
- EXISTING C.B.S. WALLS TO REMAIN
- C.B.S. WALLS TO BE LEGALIZED

ONLY NEW RECEPTACLES & LIGHT FIXTURES ARE SHOWN TO AVOID CONFUSION

Miami Dade County Department of Regulatory And Economic Resources
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E-1-08102015.PDF
Examiner Date Time Stamp Disp. Trade Stamp Name
John Jordahl 5/5/2016 1:08:00 PM V ELEC Void
John Jordahl 8/11/2015 2:08:39 PM D ELEC Disapproved

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8340 S.W. 65th AVENUE UNIT 3
MIAMI, FLORIDA 33143
TEL: (305) 298-3216

Project title:
AS BUILT PLANS FOR DEMOLITION/LEGALIZATION OF
ELLAWISH LLC II

Address:
2419 N.W. 99th STREET
MIAMI, FL. 33147

THESE DRAWINGS AND DESIGNS ARE THE PROPERTY OF FERMIN A. MARTINEZ AND SHALL NOT BE REPRODUCED WITHOUT HIS WRITTEN CONSENT.

This Sheet

REVISIONS

DESCRIPTION

Project No.
15-57
Date:
07-12-15
Drawn By:
PEDRO PUERTO/ CBS
(305) 262 8075
Approved By:
F.A.M.

SEAL

SHEET NO.
E-1