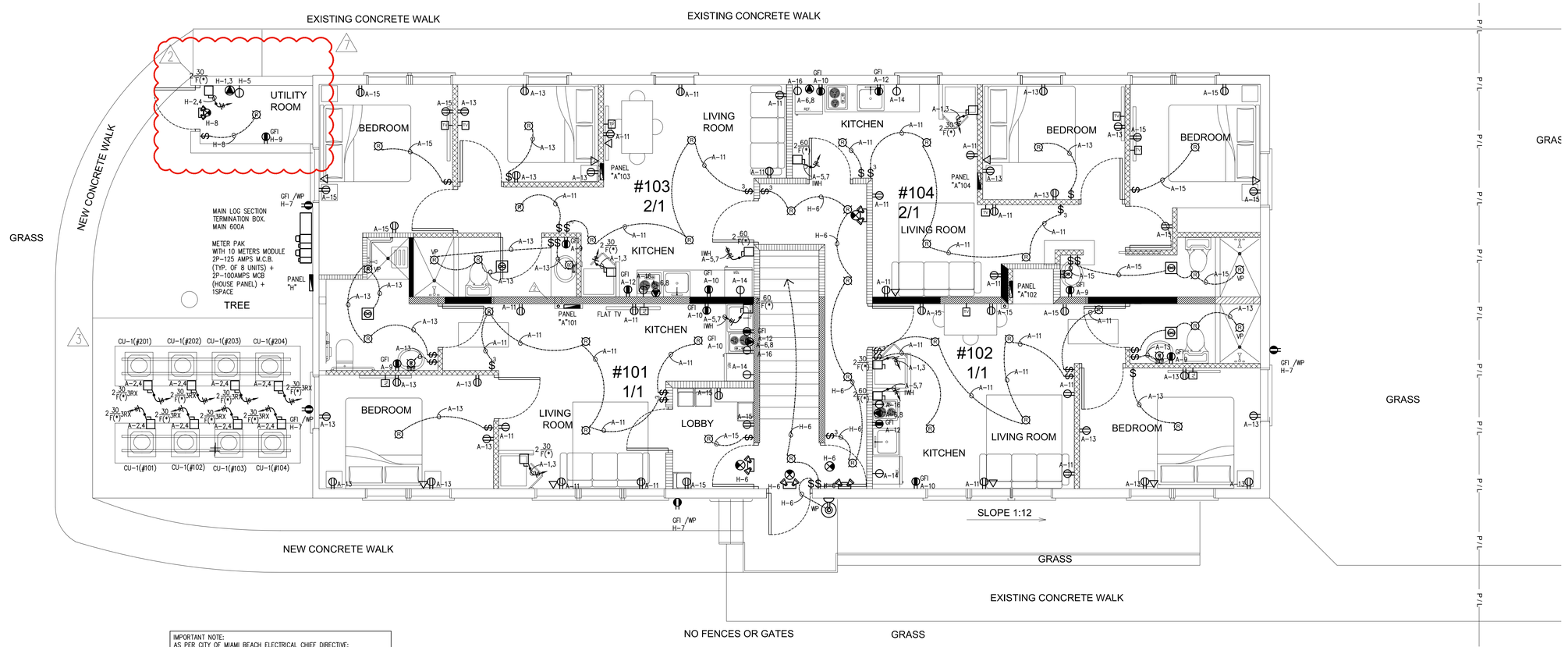


IMPORTANT NOTE:
AS PER CITY OF MIAMI BEACH ELECTRICAL CHIEF DIRECTIVE:
ALL ELECTRICAL EXPOSED TO SLAT WATER AIR TO BE RATEDA MINIMUM OF NEMA-3X INCLUDING PANEL"H" AS PER NEC 110.28 ,2011. ALL A/C DISCONNECTS SHALL BE AS PER
NEC-T-110.28 CORROSIVE AGENTS. (BUILDING DEPARTMENTS)
CITY OF MIAMI BEACH ELECTRICAL DIVISION REQUIREMENTS)
ALL OUTDOOR ELECTRICAL EQUIPMENTS, DISCONNECTS PANELS).

IMPORTANT NOTE:
- REFER TO FIRE ALARM DRAWINGS FOR SMOKE DETECTOR LOCATION AND COMPLIANCE.

ELECTRICAL GROUND FLOOR PLAN

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

N

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st. Avenue, Suite 607. Miami, Florida 33129
P: 786.762.2679 F: 305.831.8079 C: 305.282.0005
Email: rda@rda-archint.com
www.rda@rda-archint.com / AA26002510

CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

NOT VALID IF MISSING SIGNATURE

STATE OF FLORIDA · VICTOR HUGO RODRIGUEZ · AR94965 · REGISTERED ARCHITECT

Víctor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
2	05.05.2017 / Reviewer Comments
3	08.07.2017 / Reviewer Comments
4	12.17.2017 / Fire Dept Comments
7	04.20.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

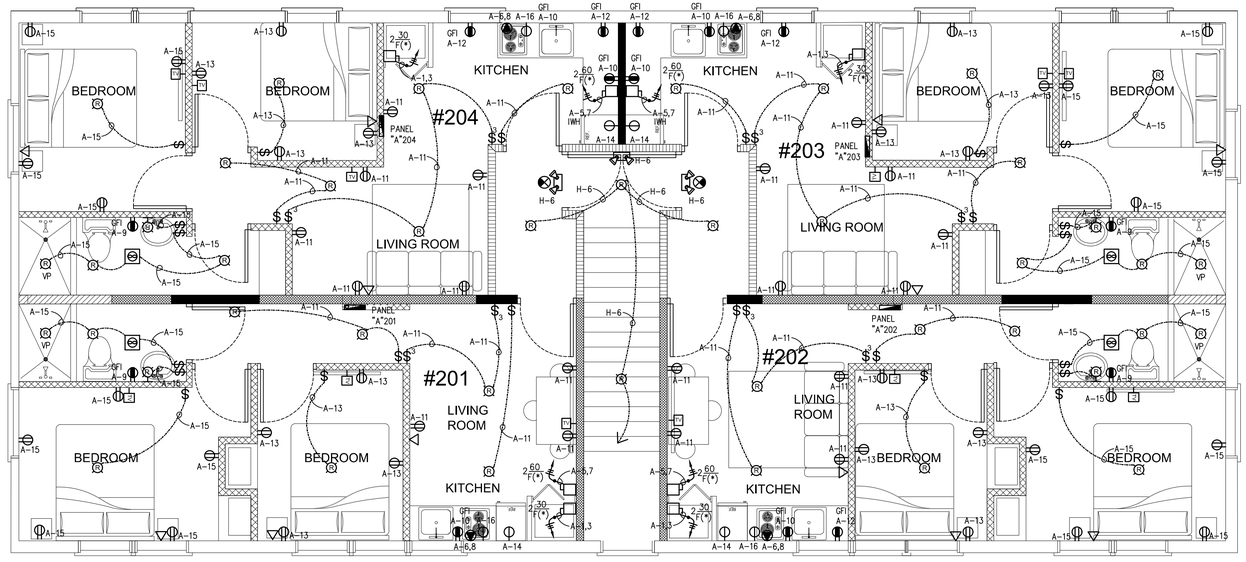
- Electrical Plan Ground Level

SCALE :

SHEET NO.

E-2

SYMBOL	ELECTRICAL SYMBOLS DESCRIPTION
A5 / A5	CEILING MTD./WALL MTD. SELECTED BY OWNER LETTERS – DENOTE PANEL, NUMBER – DENOTES CIRCUIT NUMBER
	G.F.I. RECEPTACLE –VERIFY MOUNTING HEIGHT 15/20 AMP/120 VOLT
	DUPLEX RECEPTACLE –VERIFY MOUNTING HEIGHT 15/20 AMP/120 VOLT
GFI	20A., 125V, 3 WIRES GROUNDING TYPE DUPLEX RECEPTACLE FLOOR MOUNTED GFI – GND FAULT INTERRUPTER,
WP GFI	20A., 125V, 3 WIRES GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED AT (18") A.F.F. GFI – GND FAULT INTERRUPTER, WP–WEATHERPROOF
	15A OR 20A,125V, 3 WIRES GROUNDING TYPE SINGLE RECEPTACLE (18") A.F.F.
Sa	15 A, 125 VOLTS SINGLE POLE TOGGLE SWITCH (4'–0") A.F.F. LETTER – DENOTES LIGHTS SWITCHED
S3/S4	15A., 125 VOLTS THREE WAY SWITCH (4'–0") A.F.F. 15A., 125 VOLTS FOUR WAY SWITCH (4'–0") A.F.F.
SD	DIMMER SWITCH, TYPE AND SIZE AS INDICATED
SM	MANUAL MOTOR STARTER SWITCH WITH OVERLOAD PROTECTION
(J)/(J)	WALL MOUNTED/ABOVE HUNG CEILING – JUNCTION BOX
J	JUNCTION BOX AND DIRECT CONNECTION TO EQUIPMENT AS INDICATED ON PLANS
2 60 *	DISCONNECT SWITCH: 2 – NUMBER OF POLES 60 – SWITCH SIZE, * * – FUSE SIZE PER MANUFACTURER OF EQUIPMENT RECOMMENDATIONS
	MAGNETIC MOTOR STARTER FURNISHED BY OTHER SECTION OF SPECIFICATIONS, INSTALLED BY ELECTRICAL CONTRACTOR
	EXHAUST FAN – CEILING MOUNTED
PB	PULL BOX
CB	ENCLOSED CIRCUIT BREAKER (5'–0") A.F.F. SIZE AND RATING AS INDICATED ON PLANS
	ELECTRICAL SERVICE METER. SURFACE MOUNTED.
	LIGHTING AND POWER LOADCENTER
30	SPECIAL OUTLET. SIZE AS SHOWN IN PLANS. NUMBER – DENOTES SIZE.
	HOMERUN TO PANEL (U.O.N. 12 AWG IN (1/2 ") CONDUIT. MARKS DENOTE – NUMBER OF WIRES (HOT OR SWITCH LEGS) LONG MARK – NEUTRAL, NO MARK – NEUTRAL & ONE HOT WIRE DARK CIRCLE SYMBOL – GREEN GROUND
	BRANCH CIRCUIT OR FEEDER EXPOSED
	BRANCH CIRCUIT OR FEEDER CONCEALED IN CLG. WALL OR SLAB
	FLEXIBLE CONDUIT – NO LONGER THAN 1.8m (6'–0").
	CONDUIT STUB–UP
	CONDUIT STUB–DOWN
U	BRANCH CIRCUIT OR FEEDER UNDERGROUND
SD	SMOKE DETECTOR
TV	CABLE TV OUTLET – MOUNTED AT (18") A.F.F.
	TELEPHONE OUTLET – MOUNTED AT (18") A.F.F.
2	AUTOMATIC SINGLE STATION SMOKE DETECTOR (120V) WITH BATTERY BACKUP SEE DETAIL. A.F.F. – ABOVE FINISHED FLOOR. A.F.G. – ABOVE FINISHED GROUND.
CO	CO DETECTOR
SP	SPEAKER
	RECESSED LIGHT 40 WATTS (BY OWNER)
	DOWNLIGHT PENDANT OR SURFACE MOUNTED FIXTURE. TO BE SELECTED BY OWNER
	FLUORESCENT FIXTURE, LENGTH TO SCALE WITH PLANS
	WALL MOUNTED LIGHT FIXTURE. 40 WATTS
	OUTDOOR FLOOD LIGHTS, 100 WATT PAR38 LAMPS
	EXIT LIGHTS AHEAD OF SWITCH LEG ON EACH AREA LIGHTING CIRCUIT, W/ BATTERY BACK–UP 90 MIN– SURE LITES. MODEL APX SERIES (5W)
	EMERGENCY LIGHT COOPER LIGHTING – SURE–LITES. MODEL APEL – DC VOLTAGE 3.6V EMERGENCY LIGHTS AHEAD OF SW LEG ON EACH AREA LIGHTING CIRCUIT, W/ BATTERY BACK–UP 90 MIN (5 W)
	COMBINATION EXIT SIGN AND WALL MOUNT EMERGENCY LIGHTING UNIT. W/BATTERY BACK–UP 90 MIN



ELECTRICAL SECOND FLOOR PLAN

N

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

4 IMPORTANT NOTE:
– REFER TO FIRE ALARM DRAWINGS FOR SMOKE DETECTOR LOCATION AND COMPLIANCE.

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KEY PLAN

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STATE OF FLORIDA · VICTOR HUGO RODRIGUEZ · AR94965 · REGISTERED ARCHITECT

Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
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PERMIT SET

Issue	Issue Date / For
1	12.05.2016 / Owner Revisions
2	05.05.2017 / Reviewer Comments
3	08.07.2017 / Reviewer Comments
4	12.17.2017 / Fire Dept Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Electrical Plan Second Level

SCALE :

SHEET NO.

E-3

1/17/2018 4:30:23 PM

GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, FLORIDA BUILDING CODE FBC 2014 (5TH EDITION), NEC 2011 AND OTHER APPLICABLE CODES AND STANDARDS.
2. a) THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS AND BOXES REQUIRED TO MAKE A COMPLETE NEAT INSTALLATION IN ACCORDANCE WITH N.E.C.
   b) WHEN CONFLICTS ARISE IN LOCATIONS WIRING DEVICES, ELECTRICAL EQUIPMENT, DISCONNECTS, PANEL BOARDS, ETC. DUE TO FIELD CONDITION OR IMPROPER FIELD COORDINATION CONTRACTOR SHALL BRING IT TO THE A / E's ATTENTION AND AT NO EXTRA COST RELOCATE, AND OR EXTEND WITHIN A REASONABLE DISTANCE SUCH ITEM WHICH IS IN CONFLICT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATION OF ALL COMPONENT PRIOR TO ROUGH IN WITH ALL TRADES NO EXTRAS WILL BE ALLOWED FOR FAILURE TO DO SO.
3. THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING FIELD CONDITIONS BY VISITING THE SITE PRIOR TO COMMENCING / BIDDING WORK.
4. THE CONTRACTOR SHALL SATISFACTORILY REPAIR EQUIPMENT OR PART OF STRUCTURE DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHED AREAS SHALL BE RESTORED TO MATCH ADJACENT AREAS.
5. APPROVAL SHALL BE OBTAINED FROM AN STRUCTURAL ENGINEER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER.
6. ALL CONDUITS SHALL BE INSTALLED CONCEALED IN FINISHED AREAS AS POSSIBLE WIRING DEVICES SHALL BE INSTALLED SQUARED AND FLUSH
7. ALL CONDUCTOR SHALL BE COPPER.
8. ALL CONDUCTORS SHALL BE IN COMPLIANCE WITH NEC 2011 & FBC 2014
9. ALL MATERIALS SHALL BE U.L. APPROVED.
10. NEW TYPE WRITTEN PANEL TALLY SHALL BE FURNISHED AFTER JOB IN COMPLETED REFLECTING ALL CHANGES AND ADDITIONS.
11. ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
12. ALL BRANCH CIRCUITS TO HAVE A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER N.E.C. 250.122.
13. RISERS ARE DIAGRAMMATIC ONLY. THEY DO NOT SHOW EVERY BEND REQUIRED FOR THE INSTALLATION.
14. THIS DRAWING IS A GUIDE FOR THE ELECTRICAL INSTALLATION . THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
15. SPLICES ARE NOT ALLOWED UNLESS UL LISTED APPROVED BY OWNER
16. ALL PULL AND JUNCTION BOXES SHALL BE ACCESSIBLE AT ALL TIMES.
17. EXACT POINT AND METHODS OF CONNECTION SHALL BE DETERMINED IN FIELD.
18. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.
19. BRANCH CIRCUIT BREAKERS SHALL BE OF THE BUILT-IN TYPE. PLUG IN CIRCUIT BREAKERS WILL NOT BE ACCEPTED.
20. ALL RACEWAY ROUTED, INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED
21. ALL ROUGH IN DIMENSION ARE TO CENTER LINE OF DEVICE UNLESS OTHERWISE NOTED.
22. CONTRACTOR IS ALLOWED TO REARRANGE THE DISTRIBUTION OF THE ELECTRICAL LOADS CONNECTED TO BRANCH CIRCUITS IN FIELD AS LONG AS LOAD BALANCE & INDEPENDENT CIRCUIT LOADING IS IN COMPLIANCE WITH NEC.
23. FLEXIBLE CONDUIT SHALL BE USED FOR CONNECTION TO ALL VIBRATING EQUIPMENT SUCH AS MOTORS.
24. UNITS RECEPT. OUTLETS TO BE TAMPER-RESISTANT AS PER NEC A-406.12, 2011.
25. RECEPT. OUTLETS LOCATED IN DAMP/WET LOCATIONS TO BE GFCI-WP-WATER RESISTANCE TYPE AS PER NEC A-406.9 A/B, 2012

GENERAL LIGHTING NOTES

ALL FLUORESCENT FIXTURES SHALL HAVE EACH BALLAST FUSED.

ALL FIXTURES SHALL BE PROPERLY SECURED TO CEILING GRID SYSTEM.

VERIFY ALL DIMENSIONS AND LOCATIONS WITH TENANT PRIOR TO ROUGH-IN.

ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES AND STANDARDS.

THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING FIELD CONDITIONS BY VISITING THE SITE PRIOR TO COMMENCING/BIDDING WORK. FLOOR PHOTOMETRY BY ARCHITECT

THE CONTRACTOR SHALL SATISFACTORILY REPAIR/REPLACE EQUIPMENT OR PART OF STRUCTURE DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHED AREAS SHALL BE RESTORED TO MATCH ADJACENT AREAS.

APPROVAL SHALL BE OBTAINED FROM THE ENGINEER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER.

ALL CONDUCTORS SHALL BE COPPER.

ALL MATERIALS SHALL BE U.L. APPROVED.

ALL LUMINARIES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH THE CEILING SYSTEM MANUFACTURER RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.

ALL LIGHTING CIRCUITS WHICH CONTROL AND/OR OPERATE LIGHTING FIXTURES WITH ELECTRONIC BALLAST SHALL BE PROVIDED WITH A SEPERATE NEUTRAL WIRE PER EACH PHASE.

ALL BRANCH CIRCUITS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. 210-19 REGARDLESS OF SIZES SHOWN ON PLANS OR PANEL SCHEDULES.

ILLUMINATION NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LUMINAIRES (LIGHT FIXTURES).
2. ALL BRANCH CIRCUITS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. 210-19 REGARDLESS OF SIZES SHOWN ON PLANS OR PANEL SCHEDULES.
3. ALL EXIT SIGN AND EMERGENCY LIGHTING SHALL BE PROVIDED WITH RECHARGEABLE BATTERY BACKUP AND CONNECTED AHEAD OF THE LOCAL LIGHTING SWITCH. COMPLY WITH NFPA-101.7.9 & NEC-700-12 (E)
4. MANUFACTURER AND CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER VENTILATION AND TEMPERATURE CONDITIONS OF LUMINAIRES (LIGHT FIXTURES).
5. FIXTURES SHALL BE SUPPORTED IN ACCORDANCE WITH NEC-410.16 (C).
6. PRIOR TO ROUGH-IN OF ELECTRICAL DEVICES COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS .
6. PRIOR TO ROUGH-IN OF ELECTRICAL DEVICES COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS .
7. ALL LIGHTING FIXTURES INSTALLATION AND CONTROLS SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS BY LTG SUPPLIER SELECTED BY OWNER AND EC.
8. CONTRACTOR SHALL VERIFY CEILING CONSTRUCTION FOR EACH LUMINAIRE (LIGHT FIXTURE) TYPE AND LOCATION.
9. MANUFACTURER AND CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER VENTILATION AND TEMPERATURE CONDITIONS OF LUMINAIRES (LIGHT FIXTURES).
10. ALL FLUORESCENT LUMINAIRES (LIGHT FIXTURE) WITH DOUBLE-ENDED LAMPS AND BALLAST SHALL HAVE AN INTERNAL FACTORY INSTALLED DISCONNECTING MEANS IN COMPLIANCE WITH NEC 2011 LAST EDITIONS
11. INSTALL "NIGHT LIGHT" LUMINAIRES (LIGHT FIXTURES) AHEAD OF LIGHT SWITCH.
12. ALL NEW AND RELOCATED LIGHTING SHALL COMPLY WITH FLA ENERGY CODE 2014/5TH EDITION
13. LIGHTING FIXTURES SHALL COMPLY WITH FBC 2014 5TH EDITION AND ENERGY CODE 2014
14. A MINIMUN OF 75 PERCENT OF THE LAMPS LIGHTING FIXTURES SHALL BE HIGH-EFFICIENT PER ENERGY CODE
15. PROVIDE 1 FC MINIMUM EGRESS ILLUMINATION TO COMPLY WITH FBC 2014 5TH EDITION
16. STAIRS MINIMUM 1 FOOT CANDLE ILLUMINATION INSIDE AND OUTSIDE AS PER FBC R303.7

VERY IMPORTANT NOTE:

ALL JOBS SHALL BE IN COMPLIANCE WITH NEC 2011 AND FBC-2014 5TH EDITION.

NEW PANEL "H" (HOUSE PANEL) — TYPE: NEW; MOUNTING: SURFACE; LOCATION: SEE DWG; FEEDER: SEE RISER; MAINS AMPS: 125A / 2P; TYPE MAINS: M.L.O.; VOLTS: 120/240 V., 1PH.,3W.; AIC: 22,000

NO.	POLE	KVA	DESCRIPTION	WIRE, C	NO.	POLE	KVA	DESCRIPTION	WIRE, C
1	2/30		DRYER	4-#10, 3/4"C	2	2/30		TANKLESS INSTA WATER HEATER (WH-1)	3-#10, 3/4"C
3		5.0			4		3.5		
5	1/20	1.5	WASHER	2-#12, 1/2"C	6	1/20	0.6	CORRIDOR LIGHTING	2-#12, 1/2"C
7	1/20	0.72	EXTERIOR RECEPTACLE_GFI	2-#12, 1/2"C	8	1/20	0.6	LAUNDRY LIGHTING	2-#12, 1/2"C
9	1/20	0.18	LAUNDRY/ELEC. ROOM RECEPTACLE_GFI	2-#12, 1/2"C	10	1/20	0.6	FIRE ALARM PANEL	2-#12, 1/2"C
11	---	---	SPACE	---	12	---	---	SPACE	---
13	1/20	0.02	EXIT/EMERGENCY LIGHTING	2-#12, 1/2"C	14	---	---	SPACE	---
15	1/20	0.2	EXTERIOR LOW VOLTAGE LIGHTING	2-#12, 1/2"C	16	---	---	SPACE	---
17	---	---	SPACE	---	18	---	---	SPACE	---
19	---	---	SPACE	---	20	---	---	SPACE	---

DEMAND : SEE LOAD VA / CALCULATION AMPS

(*) PART OF OTHER LOAD 3 VA /SQ FT SEE LOAD CALCULATION

- CONTRACTOR TO PROVIDE COMBINATION AFCI TYPE BREAKERS IN ALL DWELLING PER NEC-210.12.
- CONTRACTOR TO PROVIDE HVACR TYPE BREAKER FOR ALL AHU'S "H"

NEW PANEL "A" (TYP FOR UNIT 101, 102, 103, 104, 201, 202, 203 & 204) — TYPE: NEW; MOUNTING: SURFACE; LOCATION: SEE DWG; FEEDER: SEE RISER; MAINS AMPS: 125A / 2P; TYPE MAINS: M.L.O.; VOLTS: 120/240 V., 1PH.,3W.; AIC: 22,000

NO.	POLE	KVA	DESCRIPTION	WIRE, C	NO.	POLE	KVA	DESCRIPTION	WIRE, C
1	2/30		AHU-1	3-#10, 3/4"C	2	2/25	*	CU-1	3-#12, 1/2"C
3		5.0	(5.0 KW HTR)		4				
5	2/60		TANKLESS INSTA WATER HEATER (WH-1)	3-#6, 1"C	6	2/50		RANGE	3-#6, 1"C
7		11.2			8		8.0		
9	1/20	*	RECEPTACLE BATHROOM (GFI)	2-#12, 1/2"C	10	1/20	1.5	SMALL APPLIANCES _ GFI	2-#12, 1/2"C
11	1/20	*	GENERAL LIGHTING	2-#12, 1/2"C	12	1/20	1.5	SMALL APPLIANCES _ GFI	2-#12, 1/2"C
13	1/20	*	GENERAL LIGHTING	2-#12, 1/2"C	14	1/20	1.2	REFRIGERATOR	2-#12, 1/2"C
15	---	---	SPACE	---	16	1/20	1.5	MICROWAVE	2-#12, 1/2"C
17	---	---	SPACE	---	18	---	---	SPACE	---
19	---	---	SPACE	---	20	---	---	SPACE	---

DEMAND : SEE LOAD VA / CALCULATION AMPS

(*) PART OF OTHER LOAD 3 VA /SQ FT SEE LOAD CALCULATION

- CONTRACTOR TO PROVIDE COMBINATION AFCI TYPE BREAKERS IN ALL DWELLING PER NEC-210.12.
- CONTRACTOR TO PROVIDE HVACR TYPE BREAKER FOR ALL AHU'S "H"

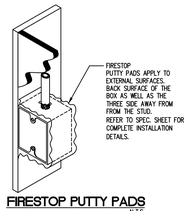
IMPORTANT NOTE:
- REFER TO FIRE ALARM DRAWINGS FOR SMOKE DETECTOR LOCATION AND COMPLIANCE.

SERVICE LOAD ANALYSIS 120/ 240		
GENERAL LT & APPL LOADS 8 APT (100% LOAD)	251,080	VA
NEC 220-84 DEMAND FACTOR	0.43	DF
TOTAL GENERAL DEMAND LOADS	107,965	VA
HOUSE PANEL "H"	13,275	VA
	121,240	VA
	505.2	AMPS

NEUTRAL LOAD CALCULATIONS		
GENERAL LT & APPL LOADS 8 APT + PNL"H"	264,355	VA
INSTA-WATER HEATER (240V) 11,200 X (8 UNITS)	- 89,600	VA
INSTA-WATER HEATER (240V) 3,500	- 3,500	VA
RANGE LOAD AT 30% (240V) 8,000 X (8 UNITS)	- 19,200	VA
DRYER (240V) 5,000	- 5,000	VA
HVAC (240V) 5,000 X (8 UNIT)	- 40,000	VA
TOTAL LOAD	107,055	VA
NEC 220-84 DEMAND FACTOR	0.43	DF
TOTAL NEUTRAL LOAD	46,034	VA
	191.81	AMPS

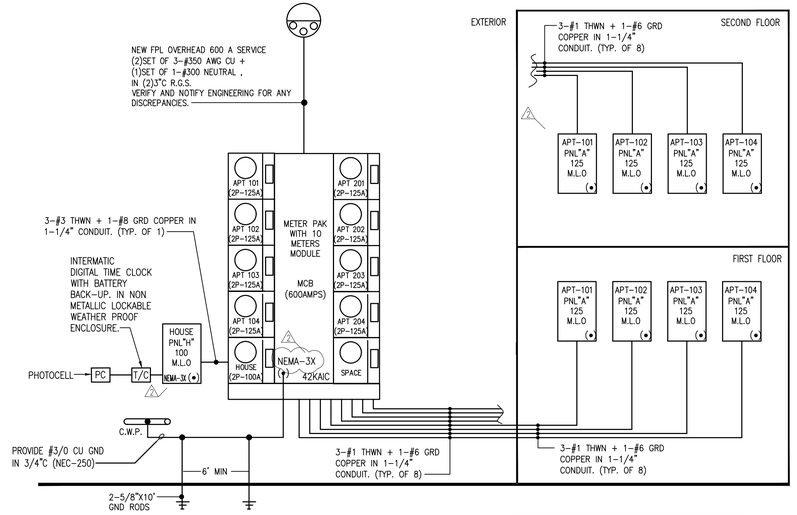
(•)— E. CONTRACTOR TO VERIFY AND PROVIDE EQUIPMENT GROUNDING CONDUCTOR AS PER NEC 250-122

- PROVIDE GROUNDING BONDING AND CONNECTIONS AS PER NEC 250-32.
- PROVIDE DISCONNECT IDENTIFICATION PLAQUES AS PER NEC 225-37.
- METER CENTER STACKS SHALL COMPLIES W/ NEC 408.36



FIRESTOP PUTTY PADS
N.T.S.

- PUTTY PADS ARE DESIGNED TO BE APPLIED TO EXTERNAL SURFACES, OF METALLIC NON METALLIC SWITCH AND RECEPTACLE BOXES IN SOME RATED WALL CONDITIONS.
- ALSO, IT CAN BE USED IN SYSTEMS FOR THROUGH-PENETRATION FIRESTOP DESIGN.
- FIRESTOP PUTTY PAD ARE NFPA AND UL APPROVED. REFER SPEC. SHEETS



ELECTRICAL RISER DIAGRAM
N.T.S.

IMPORTANT NOTE:
AS PER CITY OF MIAMI BEACH ELECTRICAL CHIEF DIRECTIVE: ALL ELECTRICAL EXPOSED TO SLAT WATER AIR TO BE RATEDA MINIMUM OF NEMA-3X INCLUDING PANEL"H" AS PER NEC 110.28 ,2011

PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS AND PARTITIONS FIRE RATED SHALL BE FIRE STOPPED TO COMPLY WITH THE APPLICABLE EDITION, INCLUDING REVISIONS, OF THE UBC AND LOCAL FIRE MARSHALL REQUIREMENTS. FIRE STOP SYSTEM USED SHALL BE UL LISTED AND SHALL BE SUITABLE FOR THE PENETRATING AND PENETRATED MATERIALS. THE WORK SHALL BE INSPECTED AND CERTIFIED BY THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE.

NEW PANEL "A" (TYP FOR UNIT 101, 102, 103, 104, 201, 202, 203 & 204) (TYPICAL OF 8 UNITS)
ELECTRICAL LOAD CALCULATION
(BASED ON 120/240 V, 1PH., 3W)

GENERAL LIGHTING FOR SQFT (APT#101 (WORST CONDITION)	495 x 3VA	1,485 VA
SMALL APPLIANCE 1,500 X 2		3,000 VA
RANGE		8,000 VA
REFRIGERATOR		1,200 VA
MICROWAVE		1,500 VA
ELECTRICAL WATER HEATER		11,200 VA
		26,385 VA
FIRST 8 KVA @ 100%		8,000 VA
REMAINDER @ 40%		7,354 VA
		15,354 VA
AHU-1 (5.0 KVA) @ 100%		5,000 VA
TOTAL DEMAND LOAD		20,354 VA
DEMAND 20,354 VA /240 V =		84.81 AMPS

SERVICE DEMAND FOR HOUSE PANEL "H"
ELECTRICAL LOAD CALCULATION
(BASED ON 120/240 V, 1PH., 3W)

1,420 VA	CONT. LIGHTING. @	125	% (NEC 220-20) =	1,775 VA
900 VA	RECEPTACLES @	100	% (NEC 220-20) =	900 VA
10,600 VA	OTHER LOAD @	100	% (NEC 220-20) =	10,600 VA
0 VA	AC EQUIPM @	100	% (NEC 220-20) =	0 VA
TOTAL DEMAND LOAD				13,275 VA
DEMAND 13,275 VA / 240 V =				55.32 AMPS

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CONSULTANT ENGINEER:

KEY PLAN


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Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
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PERMIT SET

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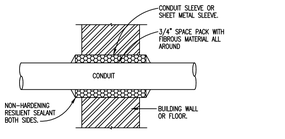
1	09.12.2016 / Change of Architect
2	05.05.2017 / Reviewer Comments
1	04.20.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX
- **Electrical Notes**
- **Riser Diagram**
- **Electrical Panel**

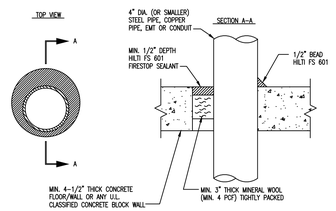
SCALE :

SHEET NO.
E-4



TYPICAL CONDUIT WALL PENETRATION

NOT TO SCALE (FOR SOUND RATED WALLS)



NOTES:
1. MAXIMUM DIAMETER OF OPENING = 6".
2. ANNULAR SPACE = MIN. 0" (POINT CONTACT), MAX. 2".
3. WALLS REQUIRE 1/2" OF SEALANT FLUSH WITH BOTH SIDES.

F RATING = 2-HR.
T RATING = 0-HR.

INSTALLATION INSTRUCTIONS FOR UL No. CAJ1149

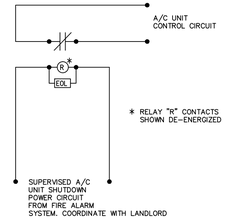
STEP 1 – PREPARATION: ALL SURFACES MUST BE CLEAN, SOUND, DRY AND FROST FREE PRIOR TO APPLICATION OF MATERIALS.

STEP 2 – BACKING MATERIAL: PACK MINERAL WOOL TIGHTLY AROUND THE PENETRATING ITEM TO THE DEPTH SHOWN IN THE DRAWINGS, AND RECESS IT BELOW THE TOP SURFACE OF THE FLOOR (OR BOTH SURFACES OF A WALL) TO ALLOW PROPER SPACE FOR THE FIRESTOP MATERIAL.

STEP 3 – FIRESTOP SEALANT: APPLY THE FIRESTOP SEALANT OVER THE BACKING MATERIAL TO THE DEPTH SHOWN. IF THE PIPE IS OFFSET TO ONE SIDE, APPLY A 1/2" BEAD OF FIRESTOP SEALANT AROUND ITS CIRCUMFERENCE WHERE IT CONTACTS THE WALL OR FLOOR.
WALL PENETRATIONS REQUIRED FIRESTOP SEALANT ON BOTH SIDES. LEAVE COMPLETED SEAL UNDISTURBED FOR 48 HOURS. OR FLOOR.

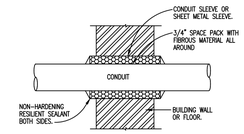
METAL PIPE THROUGH CONCRETE FLOOR/WALL OF BLOCK WALL

NOT TO SCALE



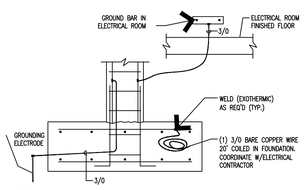
TYP. A/C UNIT SHUNT DOWN DIAGRAM

NOT TO SCALE



TYPICAL CONDUIT WALL PENETRATION

NOT TO SCALE (FOR SOUND RATED WALLS)

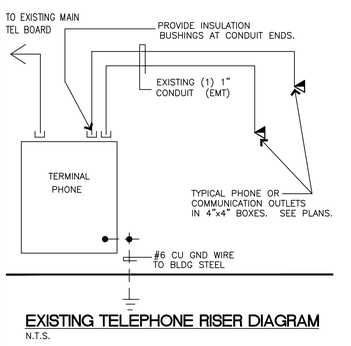


NOTES:

1. BOND GROUNDING CONDUCTOR TO REINFORCING STEEL IN AT LEAST FOUR LOCATIONS AND TO ANCHOR BOLTS (IF ANY).

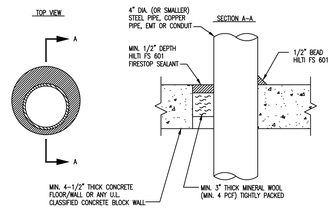
TYPICAL UNDER GROUND IN FOOTING AND COLUMN

NOT TO SCALE



EXISTING TELEPHONE RISER DIAGRAM

N.T.S.



NOTES:
1. MAXIMUM DIAMETER OF OPENING = 6".
2. ANNULAR SPACE = MIN. 0" (POINT CONTACT), MAX. 2".
3. WALLS REQUIRE 1/2" OF SEALANT FLUSH WITH BOTH SIDES.

F RATING = 2-HR.
T RATING = 0-HR.

INSTALLATION INSTRUCTIONS FOR UL No. CAJ1149

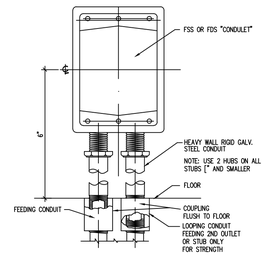
STEP 1 – PREPARATION: ALL SURFACES MUST BE CLEAN, SOUND, DRY AND FROST FREE PRIOR TO APPLICATION OF MATERIALS.

STEP 2 – BACKING MATERIAL: PACK MINERAL WOOL TIGHTLY AROUND THE PENETRATING ITEM TO THE DEPTH SHOWN IN THE DRAWINGS, AND RECESS IT BELOW THE TOP SURFACE OF THE FLOOR (OR BOTH SURFACES OF A WALL) TO ALLOW PROPER SPACE FOR THE FIRESTOP MATERIAL.

STEP 3 – FIRESTOP SEALANT: APPLY THE FIRESTOP SEALANT OVER THE BACKING MATERIAL TO THE DEPTH SHOWN. IF THE PIPE IS OFFSET TO ONE SIDE, APPLY A 1/2" BEAD OF FIRESTOP SEALANT AROUND ITS CIRCUMFERENCE WHERE IT CONTACTS THE WALL OR FLOOR.
WALL PENETRATIONS REQUIRED FIRESTOP SEALANT ON BOTH SIDES. LEAVE COMPLETED SEAL UNDISTURBED FOR 48 HOURS. OR FLOOR.

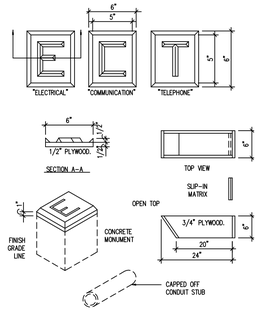
METAL PIPE THROUGH CONCRETE FLOOR/WALL OF BLOCK WALL

NOT TO SCALE



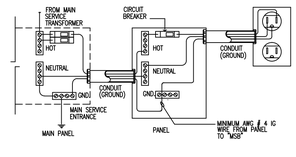
OUTLET STUB UP DETAIL

NOT TO SCALE



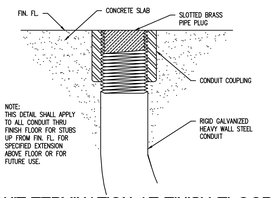
MARKER MONUMENT

NOT TO SCALE



CONDUIT GROUND SCHEMATIC

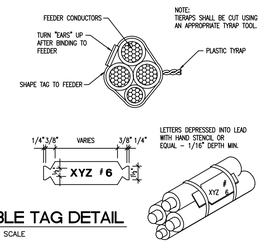
NOT TO SCALE



NOTE:
THIS DETAIL SHALL APPLY TO ALL CONDUIT THRU FINISH FLOOR FOR STUBS UP FROM FIN. FL. FOR SPECIFIED EXTENSION ABOVE FLOOR OR FOR FUTURE USE.

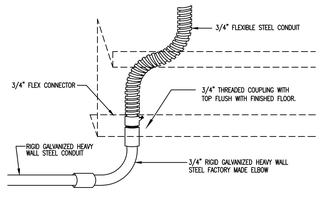
CONDUIT TERMINATION AT FINISH FLOOR

NOT TO SCALE



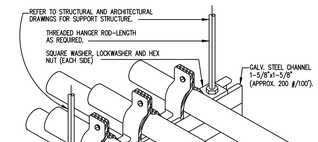
CABLE TAG DETAIL

NOT TO SCALE



PLUGMOLD ON BACK SPLASH OF DESK

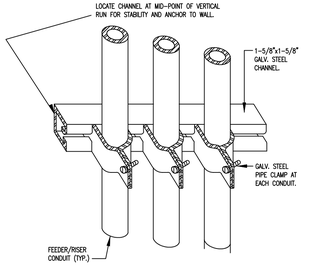
NOT TO SCALE



COORDINATE CONDUIT ROUTING WITH HVAC DUCT.

CEILING CONDUIT SUPPORT DETAIL

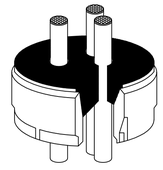
NOT TO SCALE



WALL CONDUIT SUPPORT DETAIL

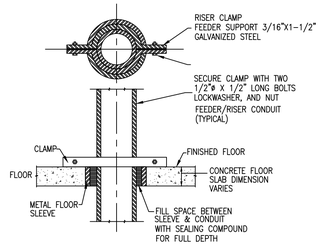
NOT TO SCALE

NEC 300-19 (b) SUPPORT BUSHING, LOCATED AT THE TOP OF A VERTICAL CONDUIT AT CABINET OR PULL BOS, PREVENTS THE WEIGHT OF THE CONDUCTORS FROM DAMAGING THE INSULATION OR RACING A STRAIN ON TERMINATION POINTS.



BUSHING SUPPORT DETAIL

N.T.S.



FEEDER CONDUIT SLEEVE DETAIL

N.T.S.

FPL

September 29, 2014

Suntech Development, INC.
305.799.5678 Cel
305.328.9640 Fax
luis@suntechdevelopment.com

Re: Available Fault Current for 1330 15TH ST

Dear: Luis Leon

Thank you for contacting FPL about the available fault current at 1330 15th St Miami Beach, Fl 33139. Based on the plans you have provided dated n/a, the maximum available fault current at the transformer secondary terminals is estimated to be 53,205 symmetrical amperes at 120/240 volts. The protective device on the line side of the transformer currently in place or to be installed and serving your property located at the subject location is a 25 amp type "KS" fuse. The primary service voltage is 13.2kV L-L. This calculated symmetrical fault current is not intended for use as the basis for motor starting calculations and does not include:

- Consideration for any motor contribution or
- Fault current asymmetry.

The FPL equipment currently serving or planned to serve your facility may change over time as a result of any number of factors, including but not limited to transformer replacements due to load growth, electrical grid changes or emergencies. As a result, although we are providing you with this information for the sole purpose of assisting you in the completion of your study, you and your client should not design, install **or operate** your system in reliance upon any expectation that the specific size and type of equipment currently in place will remain so. If and when the size and type of the equipment changes, our employees are not always in a position to immediately notify customers.

As the construction project progresses, any questions or information you may need can be communicated through me. I have enclosed my business card for easy reference and look forward to hearing from you in the near future.

Sincerely,

Joel R Garcia

Joel R.Garcia
Engineer II

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st Avenue, Suite 607
Miami, FL 33129
Phone: 786.762.2679
email: rda@rda-archint.com
www.rda-archint.com
AA26002510

INTERIOR DESIGNER:

KEY PLAN

SIGNATURE / DATE / SEAL

Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
1	12.05.2016 / Owner Revisions
2	05.05.2017 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Details

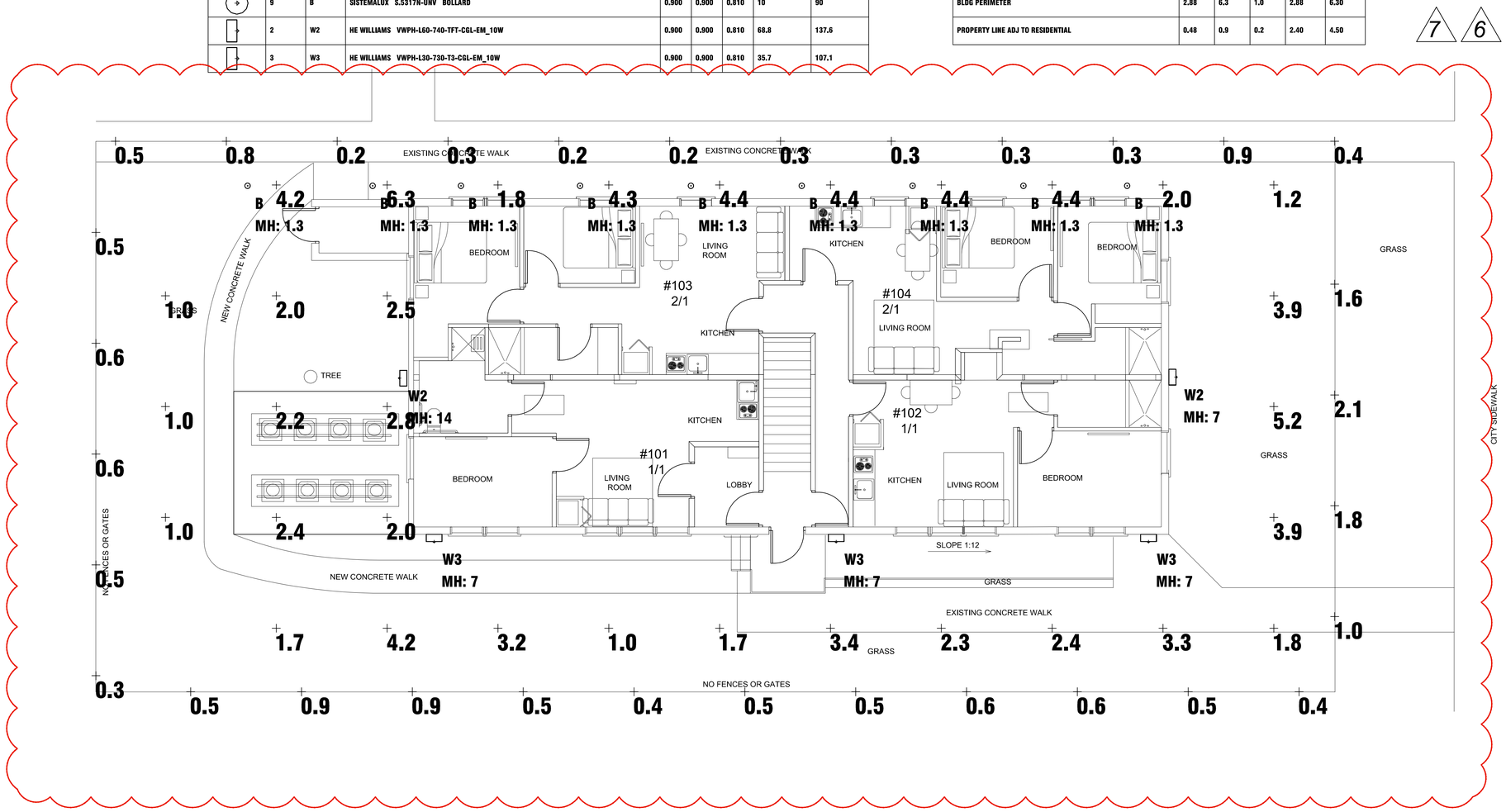
SCALE :

SHEET NO.

E-5

Luminaire Schedule								
Project: 1330 15TH STREET, MIAMI BEACH - SITE - REV2 --- MAR - 6 - 2018								
Symbol	Qty	Label	Description	LLD	LDD	LLF	Lum. Watts	Total Watts
⊕	9	B	SISTEMALUX S.5317N-UNV BOLLARD	0.900	0.900	0.810	10	90
▭	2	W2	HE WILLIAMS VWPH-L60-740-TFT-CGL-EM_10W	0.900	0.900	0.810	68.8	137.6
▭	3	W3	HE WILLIAMS VWPH-L30-730-T3-CGL-EM_10W	0.900	0.900	0.810	35.7	107.1

Calculation Summary					
Project: 1330 15TH STREET, MIAMI BEACH - SITE - REV2 --- MAR - 6 - 2018					
Label	Avg	Max	Min	Avg/Min	Max/Min
BLDG PERIMETER	2.88	6.3	1.0	2.88	6.30
PROPERTY LINE ADJ TO RESIDENTIAL	0.48	0.9	0.2	2.40	4.50



PHOTOMETRICS SITE PLAN

SCALE: 3/16" = 1'-0"

N

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st. Avenue, Suite 607. Miami, Florida 33129
P: 786.762.2679 F: 305.831.8079 C: 305.282.0005
Email: rda@rda-archint.com
www.rda@rda-archint.com / AA26002510

CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

NOT VALID IF MISSING SIGNATURE

STATE OF FLORIDA · VICTOR HUGO RODRIGUEZ · AR94965 · REGISTERED ARCHITECT

Víctor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
1	09.12.2016 / Change of Architect
4	12.17.2017 / Fire Dept Comments
5	02.19.2018 / City Comments
7	04.20.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Photometric Site Plan

SCALE :

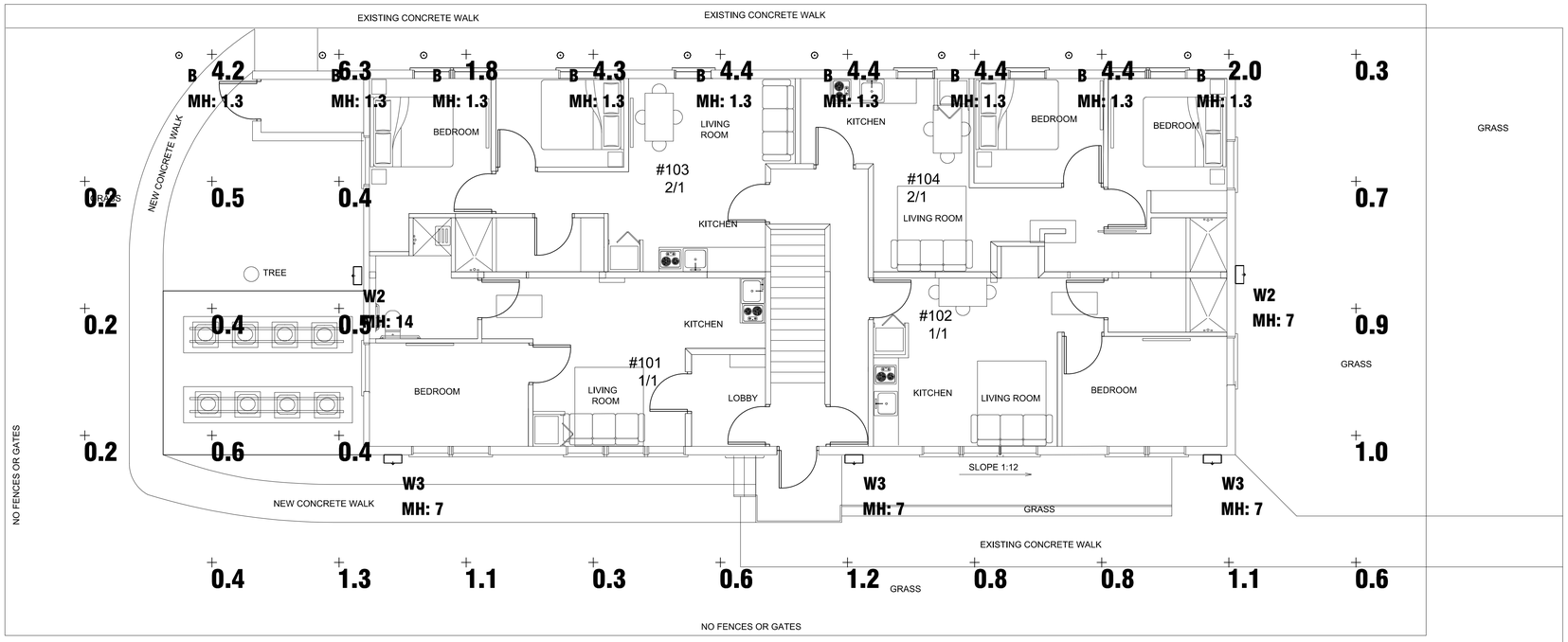
SHEET NO.

E-6

Luminaire Schedule			
Project: 1330 15TH STREET, MIAMI BEACH - SITE - EM MODE - REV2 --- MAR - 6 - 2018			
Symbol	Qty	Label	Description
	9	B	SISTEMALUX S.5317N-UNV OPERATING FROM INVERTER
	2	W2	HE WILLIAMS VWPH-L60-740-TFT-CGL-EM_10W BATTERY BACKUP
	3	W3	HE WILLIAMS VWPH-L30-730-T3-CGL-EM_10W BATTERY BACKUP

Calculation Summary					
Project: 1330 15TH STREET, MIAMI BEACH - SITE - EM MODE - REV2 --- MAR - 6 - 2018					
Label	Avg	Max	Min	Avg/Min	Max/Min
BLDG PERIMETER	1.58	6.3	0.2	7.90	31.50

7 6



PHOTOMETRICS SITE PLAN - EMERGENCY

SCALE: 3/16" = 1'-0"

N

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
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P: 786.762.2679 F: 305.831.8079 C: 305.282.0005
Email: rda@rda-archint.com
www.rda@rda-archint.com / AA26002510

CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

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Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
1	09.12.2016 / Change of Architect
4	12.17.2017 / Fire Dept Comments
6	02.19.2018 / City Comments
7	04.20.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

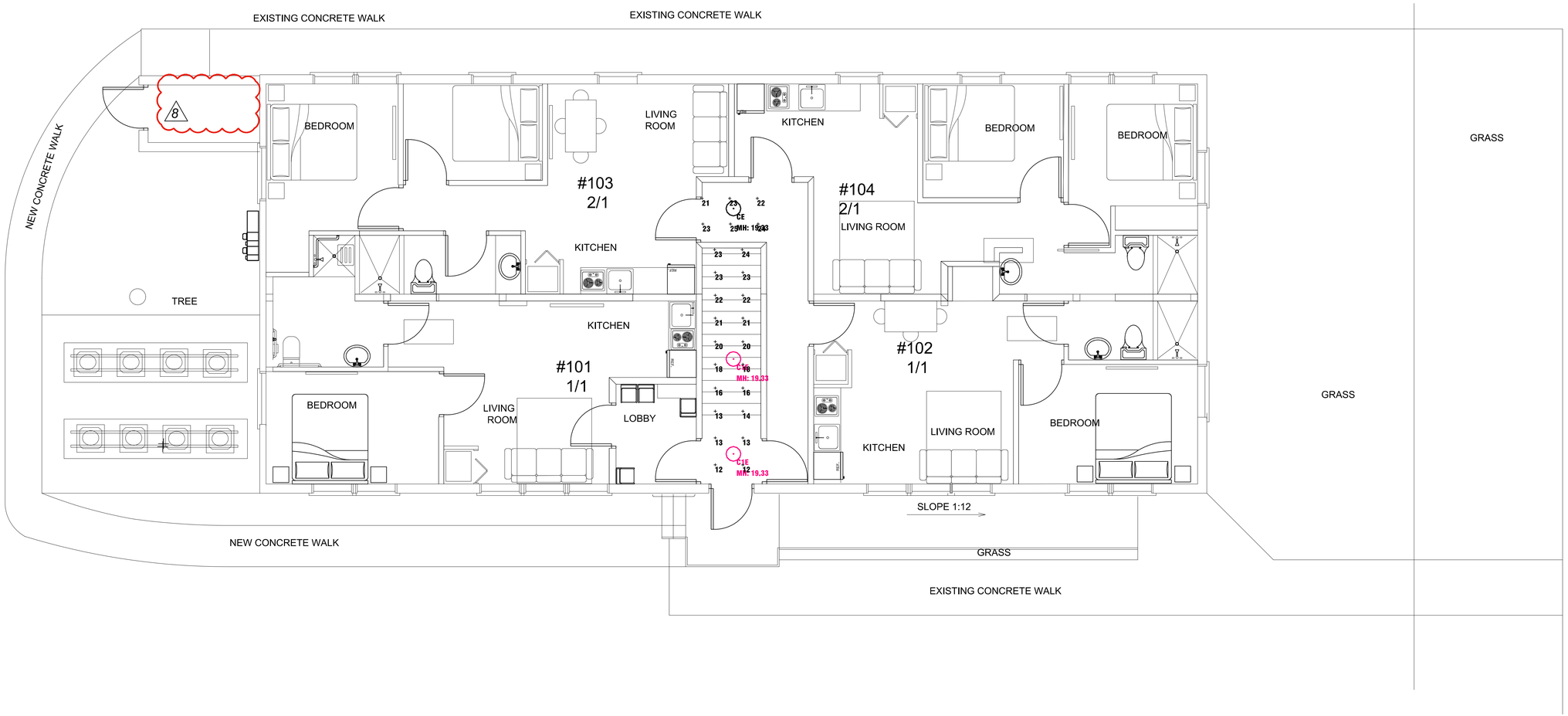
SHEET INDEX

- Site Plan Photometrics Emergency Mode

SCALE :

SHEET NO.

E-7



PHOTOMETRICS STAIRS

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

N

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st. Avenue, Suite 607. Miami, Florida 33129
P: 786.762.2679 F: 305.831.8079 C: 305.282.0005
Email: rda@rda-archint.com
www.rda@rda-archint.com / AA26002510

CONSULTANT ENGINEER:

KEY PLAN

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Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
1	09.12.2016 / Change of Architect
4	12.17.2017 / Fire Dept Comments
6	02.19.2018 / City Comments
7	04.20.2018 / Reviewer Comments
8	05.29.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Photometrics at Stairs

SCALE :

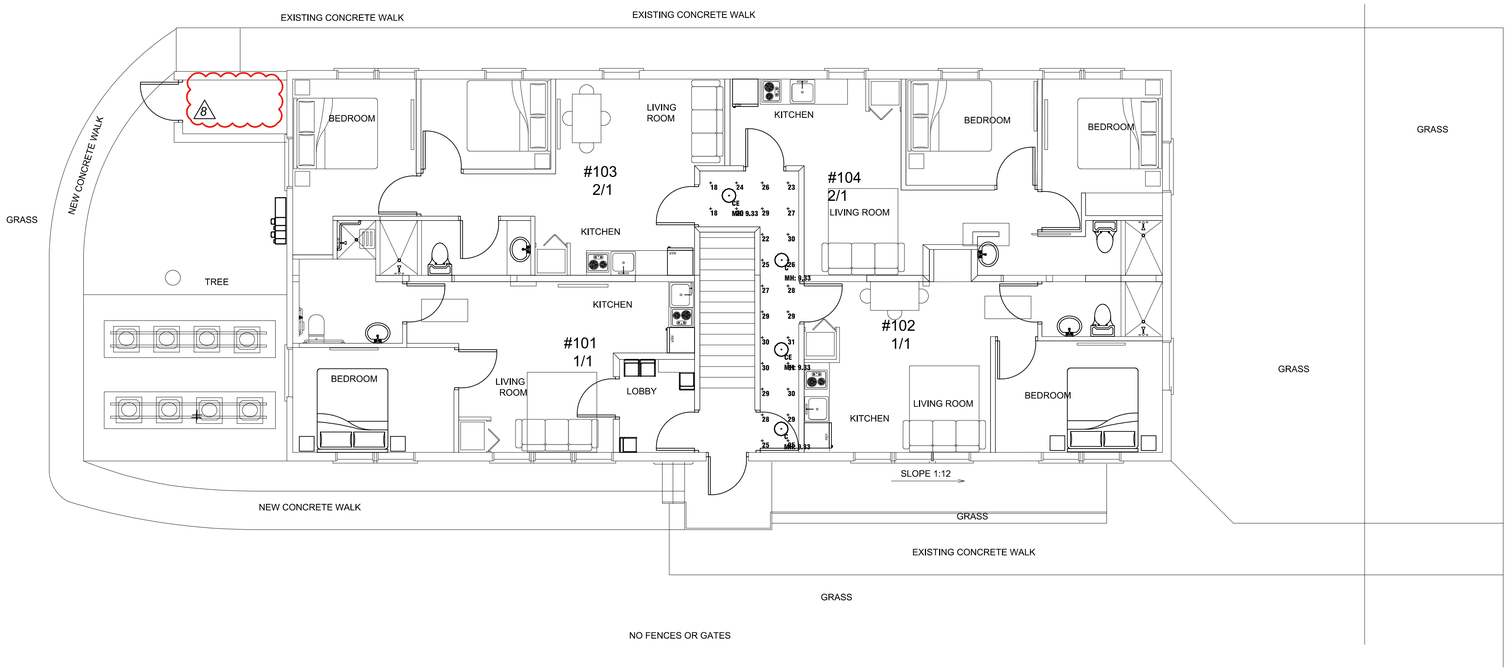
SHEET NO.

E-8

5/29/2018 11:23:10 AM

Luminaire Schedule								
Project: 1330 15TH STREET, MIAMI BEACH - INTERIOR STAIR & CORRIDORS --- JAN - 17 - 2018								
Symbol	Qty	Label	Description	LLD	LDD	LLF	Lum. Watts	Total Watts
	2	C	LUMINAIRE ARV13-25W-4000K-120_277-CP	0.900	0.900	0.810	27.5	55
	2	C1E	LUMINAIRE ARV13HO-50W-4000K-120_277-CP-EMB310	0.900	0.900	0.810	55.5	111
	5	CE	LUMINAIRE ARV13-25W-4000K-120_277-CP-EMB310	0.900	0.900	0.810	27.5	137.5

Calculation Summary					
Project: 1330 15TH STREET, MIAMI BEACH - INTERIOR STAIR & CORRIDORS --- JAN - 17 - 2018					
Label	Avg	Max	Min	Avg/Min	Max/Min
1ST FLR CORRIDOR_Floor	26.50	31	18	1.47	1.72
2ND FLR CORRIDOR_1_Floor	16.13	18	15	1.08	1.20
2ND FLR CORRIDOR_Floor	16.25	18	15	1.08	1.20
STAIRS	19.31	25.0	12.0	1.61	2.08



PHOTOMETRICS GROUND FLOOR PLAN

N

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

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st. Avenue, Suite 607. Miami, Florida 33129
P: 786.762.2679 F: 305.831.8079 C: 305.282.0005
Email: rda@rda-archint.com
www.rda@rda-archint.com / AA26002510

CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

NOT VALID IF MISSING SIGNATURE

STATE OF FLORIDA · VICTOR HUGO RODRIGUEZ · AR94965 · REGISTERED ARCHITECT

Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
1	09.12.2016 / Change of Architect
4	12.17.2017 / Fire Dept Comments
6	02.19.2018 / City Comments
7	04.20.2018 / Reviewer Comments
8	05.29.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

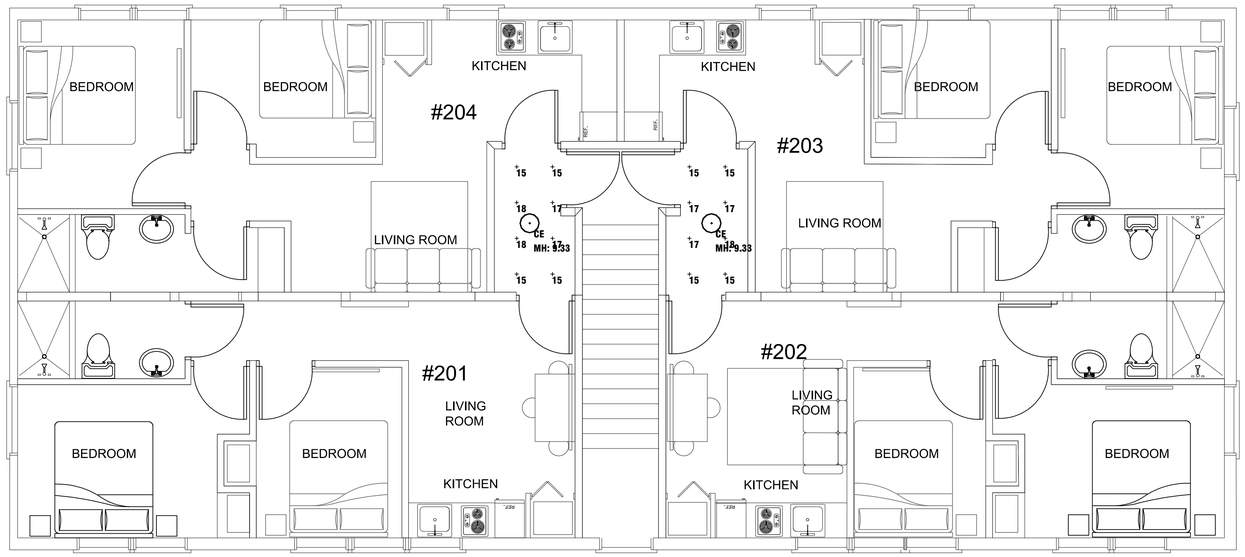
- Photometrics Ground Floor

SCALE :

SHEET NO.

E-9

5/29/2018 11:22:52 AM



PHOTOMETRICS SECOND FLOOR

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

N

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

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CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

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Víctor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
4	12.17.2017 / Fire Dept Comments
3	04.20.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Photometrics Level 2

SCALE :

SHEET NO.

E-10 4

PHOTOMETRICS STAIRS - EMEREGENCY

N

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

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st. Avenue, Suite 607. Miami, Florida 33129
P: 786.762.2679 F: 305.831.8079 C: 305.282.0005
Email: rda@rda-archint.com
www.rda@rda-archint.com / AA26002510

CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

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STATE OF FLORIDA · VICTOR HUGO RODRIGUEZ · AR94965 · REGISTERED ARCHITECT

Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
1	09.12.2016 / Change of Architect
4	12.17.2017 / Fire Dept Comments
6	02.19.2018 / City Comments
7	04.20.2018 / Reviewer Comments
8	05.29.2018 / Reviewer Comments

DDCI Project #: **1628.00**

Drawn by: **VHR**

Approved by: **VHR**

SHEET INDEX

- Photometrics Stairs Emergency Mode

SCALE :

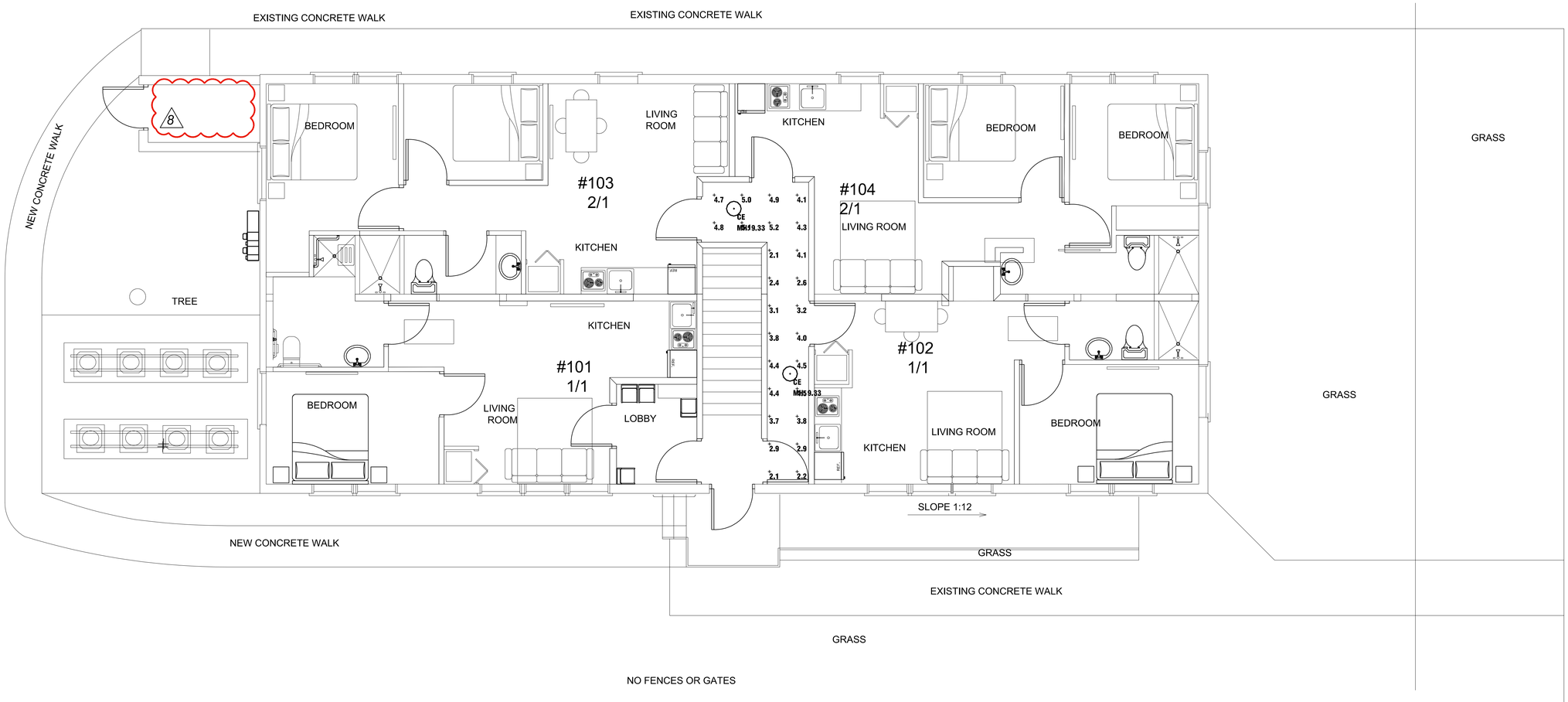
SHEET NO.

E-11 4

5/29/2018 11:23:31 AM

Luminaire Schedule			
Project: 1330 15TH STREET, MIAMI BEACH - INTERIOR STAIR & CORRIDORS - EM MODE --- JAN - 17 - 2018			
Symbol	**Qty**	**Label**	**Description**
	2	C1E	LUMINAIRE ARV13HO-50W-4000K-120_277-CP-EMB310 BATTERY BACKUP
	5	CE	LUMINAIRE ARV13-25W-4000K-120_277-CP-EMB310 BATTERY BACKUP

Calculation Summary					
Project: 1330 15TH STREET, MIAMI BEACH - INTERIOR STAIR & CORRIDORS - EM MODE --- JAN - 17 - 2018					
Label	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**
1ST FLR CORRIDOR_Floor	3.80	5.2	2.1	1.81	2.48
2ND FLR CORRIDOR_1_Floor	4.68	5.1	4.2	1.11	1.21
2ND FLR CORRIDOR_Floor	4.68	5.1	4.2	1.11	1.21
STAIRS	2.79	5.2	1.4	1.99	3.71



PHOTOMETRICS GROUND FLOOR PLAN - EMERGENCY

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

N

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :

NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st. Avenue, Suite 607. Miami, Florida 33129
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CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

NOT VALID IF MISSING SIGNATURE

STATE OF FLORIDA · VICTOR HUGO RODRIGUEZ · AR94965 · REGISTERED ARCHITECT

Víctor H. Rodriguez,
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PERMIT SET

Issue	Issue Date / For
1	09.12.2016 / Change of Architect
4	12.17.2017 / Fire Dept Comments
6	02.19.2018 / City Comments
7	04.20.2018 / Reviewer Comments
8	05.29.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

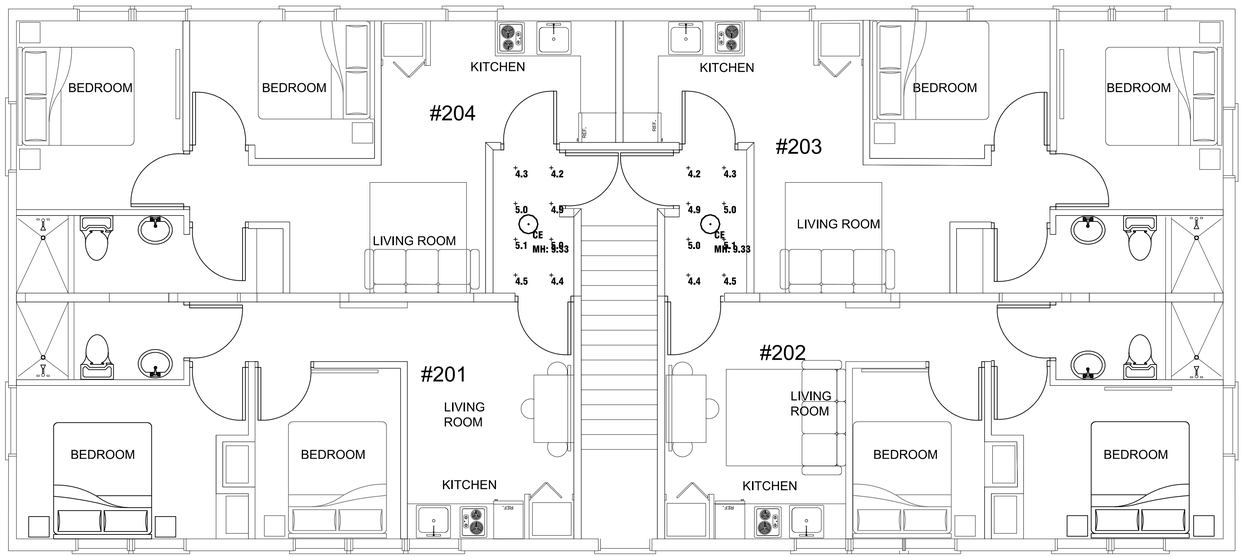
- Photometrics Ground Floor Emergency Mode

SCALE :

SHEET NO.

E-12

5/29/2018 11:23:46 AM



PHOTOMETRICS SECOND FLOOR - EMERGENCY

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

N

PROJECT:

1330 Building

1330 15th Street. Miami Beach, FL 33139

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PERMIT SET

Issue	Issue Date / For
4	12.17.2017 / Fire Dept Comments
3	04.20.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Photometrics Level 2 Emergency Mode

SCALE :

SHEET NO.

E-13 4

PHILIPS

GARDCO

Wall Mount

LED wall sconce 121

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

Philips Gardco LED wall sconce 121 offers distinction through its styling, powerful optical design, array of distributions, and impressive selection of control possibilities. Designed to add an element of style to your application by pairing straight lines with rounded edges, the form of the 121 is timeless, yet contemporary, and will complement a wide assortment of architectural styles and designs, while delivering high light levels and functional distributions. 121 sconces are available in Type 2, 3, and 4 distributions, and provide output of up to 10,103 lumens. Energy saving control options help to increase energy savings and offer California Title 24 compliance. Emergency Battery Backup option available for path-of-egress and is integral to the luminaire.

Ordering guide

example: 121-32L-700-NW-G3-3-120-IMRI2-BZ

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Distribution	Emergency	Voltage	Options: Controls	Electrical	Finish
121	**16L** 16 LEDs (1 module)	**530** 530mA **650** 650mA[4] **700** 700mA **1000** 1000mA **1200** 1200mA[5]	**CW-G3** Cool White 5700K, 70CRI Generation 3 **NW-G3** Neutral White 4000K, 70CRI Generation 3 **WW-G3** Warm White 3000K, 70CRI Generation 3	**2** Type 2 **3** Type 3 **4** Type 4	**EBPC** Emergency Battery Pack Cold Weather[1,2] Leave blank to omit an emergency option	**UNV** 120-277V **HVU** 347-480V **120** 120V **208** 208V **240** 240V **277** 277V **347** 347V **480** 480V	**DD** 0-10V Dimming Driver[6] **DCC** Dual Circuit Control[6,7,8] **DynaDimmer:** Automatic Profile Dimming **CS50** Safety 50% Dimming[6,9] **CM50** Median 50% Dimming[6,9] **CE50** Economy 50% Dimming[6,9] **DA50** All Night 50% Dimming[6,9] **Photoelectric systems** **PCR** Photocontrol (Button)[10,11] **Infrared Motion Response systems** **IMRI2** Integral with #2 lens[3,8] **IMRI3** Integral with #3 lens[3,8] **Network system (SiteWorx)** **SW** SW Integral module[8,12] **Wireless system (luminaire mounted)** **LLC2** Module with #2 lens[3,8] **LLC3** Module with #3 lens[3,8]	**Fusing** **F1** Single (120, 277, 347VAC)[10] **F2** Double (208, 240, 480VAC)[11] **F3** Canadian Double Pull (208, 240, 480VAC)[11]	**Textured** **BK** Black **WH** White **BZ** Bronze **DGY** Dark Gray **MGY** Medium Gray **Customer specified** **RAL** Specify optional color or RAL (ex: OC-LGP or OC-RAL7024) **CC** Custom color (Must supply color chip for required factory quote)
	32L 32 LEDs (2 modules)	**530** 530mA **650** 650mA[4] **700** 700mA **1000** 1000mA							

1. Only available with **EBPC**
2. Only available with **16** LEDs
3. Available in **120V** or **277V** only
4. **EBPC** available only in **530mA** or **650mA**
5. Not available with **1.2A** drive current
6. Available in **120V** thru **277V** and **UNV** only.
7. **DCC** available only in **530mA** with **32** LED
8. Not available with **EBPC**
9. Not available with **DCC**
10. Voltage must be specified
11. Not available in **480V**
12. **SW** option is not available with any other control options with the exception of **IMRI2**, **IMRI3** motion response options

ANYX 13

ARV13 BRV13 CRV13 NRV13 XRV13 YRV13

Vandal Resistant

ARV 13 Series LED

WALL /CEILING MOUNT LED

Fixture Type | Date

Job Name | Approved By

Catalog Number

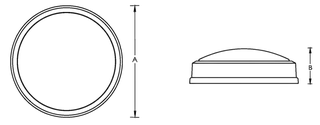
SPECIFICATIONS

ADA Compliant

Description	The Anyx 13 LED fixtures build on the highly successful Anyx line. The Anyx 13 series features a durable, color-impregnated polycarbonate housing supported by a marine grade, die cast aluminum base plate to provide a lighting fixture that will survive in the harshest environments. The Anyx 13 series has been installed successfully in large scale projects such as dorm rooms, unsecured hallways, transportation stations and public schools.
Trim	One piece injection molded UV stabilized polycarbonate mechanically interlocked to base plate and sealed against moisture and contaminants with two high temperature silicone O-rings. Color is molded through entire part for scratch resistant finish. Locked in place with one concealed tamper resistant set screw.
Lens	One piece injection molded prismatic polycarbonate with minimum 0.130" wall thickness. Secured to base plate by trim and sealed with two high temperature silicone O-rings.
Reflector	Die formed heavy gauge specular aluminum, shaped for maximum efficiency.
Base Plate	Pressure die cast marine grade aluminum. Chemically primed and finished with electrostatically applied polyester powder coat.
Drivers	Constant current drivers, 100-277V.
LED	Samsung LM561B+ Series @ 3000K, 3500K, 4000K, 5000K and 82 CRI wired in parallel-se ries. L_{70} projected life of 130,000 hours at 50°C. Tested in accordance with LM-80. Ten year warranty on LED boards against operational defects.
Gaskets	Closed cell die cut neoprene gasket provided between fixture mounting plate and mounting surface. High temperature silicone O-ring between the trim and lens, between the lens and base plate, and between the mounting plate and base plate.
UL Listing	U.L., C.U.L., Wet standard. 1598a Marine Listed.
DLC	Product listed on the Designlights Consortium Qualified Products List. View the latest version here for current configuration details.
Lifetime Warranty	Luminaire LED Incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.

DIMENSIONAL DATA

	A	B
ARV13	13.13	3.85
BRV13	13.13	4.00
CRV13	13.13	4.00
NRV13	13.13	4.00
XRV13	13.13	4.00
YRV13	13.13	4.00



Luminaire Led
www.luminaireled.net
5 Sutton Place
P.O. Box 2162
Edison, NJ 08818
P. 732.549.0056
F. 732.549.9737

Luminaire LED Incorporated products are manufactured in the USA with components purchased from USA suppliers, and meet the Buy American requirements under the ARRA. Content of specification sheets is subject to change; please consult our website for current product information.

Rev: 8/17+

ANYX 13

ARV13 HO BRV13 HO CRV13 HO NRV13 HO XRV13 HO YRV13 HO

Vandal Resistant

High Output LED

WALL /CEILING MOUNT LED

Fixture Type | Date

Job Name | Approved By

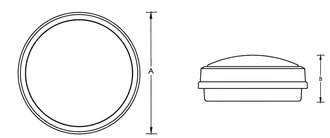
Catalog Number - 50W - - 120 - 277 - - -

SPECIFICATIONS

Description	The Anyx 13 LED fixtures build on the highly successful Anyx line. The Anyx 13 series features a durable, color-impregnated polycarbonate housing supported by a marine grade, die cast aluminum base plate to provide a lighting fixture that will survive in the harshest environments.
Trim	One piece injection molded UV stabilized polycarbonate mechanically interlocked to base plate and sealed against moisture and contaminants with two high temperature silicone O-rings. Color is molded through entire part for scratch resistant finish. Locked in place with one concealed tamper resistant set screw.
Lens	One piece injection molded opal prismatic polycarbonate with minimum 0.130" wall thickness. Secured to base plate by trim and sealed with two high temperature silicone O-rings.
Reflector	Die formed heavy gauge specular aluminum, shaped for maximum efficiency.
Base Plate	Pressure die cast marine grade aluminum. Chemically primed and finished with electrostatically applied polyester powder coat.
Drivers	Constant current drivers, 100-277V.
LED	Samsung LM561B Series @ 3000K, 3500K, 4000K, 5000K and 82 CRI wired in parallel-series. L_{70} projected life of 130,000 hours at 50°C. Tested in accordance with LM-80. Ten year warranty on LED boards against operational defects.
Gaskets	Closed cell die cut neoprene gasket provided between fixture mounting plate and mounting surface. High temperature silicone O-ring between the trim and lens; between the lens and base plate; and between the mounting plate and base plate.
Housing	Pressure die cast marine grade aluminum. Chemically primed and finished with electrostatically applied polyester powder coat.
UL Listing	U.L., C.U.L., Wet standard. 1598a Marine Listed.
Lifetime Warranty	Luminaire LED Incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.

DIMENSIONAL DATA

	A	B
ARV13 HO	13.13	5.60
BRV13 HO	13.13	5.75
CRV13 HO	13.13	5.75
NRV13 HO	13.13	5.75
XRV13 HO	13.13	5.75
YRV13 HO	13.13	5.75



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Rev: 5/17+

EXTERIOR LIGHT FIXTURES

N

PROJECT:

1330 Building

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CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

NOT VALID IF MISSING SIGNATURE

STATE OF FLORIDA · VICTOR HUGO RODRIGUEZ · AR94965 · REGISTERED ARCHITECT

Victor H. Rodriguez,
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PERMIT SET

Issue	Issue Date / For
2	02.19.2018 / City Comments
1	04.20.2018 / Reviewer Comments

DDCI Project #: **1628.00**

Drawn by: **VHR**

Approved by: **VHR**

SHEET INDEX

- Exterior Light Fixtures

SCALE :

SHEET NO.

E-14 4

MECHANICAL GROUND FLOOR PLAN

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

N

PROJECT:

1330 Building

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CONSULTANT ENGINEER:

KEY PLAN

SIGNATURE / DATE / SEAL

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STATE OF FLORIDA VICTOR HUGO RODRIGUEZ AR94965 REGISTERED ARCHITECT

Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
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PERMIT SET

Issue	Issue Date / For
1	09.12.2016 / Change of Architect
8	05.29.2018 / Reviewer Comments

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Mechanical Plan Ground Level

SCALE :

SHEET NO.

M-1

5/29/2018 11:36:36 AM

HVAC– NOTES

1. FULL SIZE PLENUM
2. RECIRCULATING KITCHEN HOOD.
3. TOILET EXHAUST FAN.
4. PROGRAMMABLE THERMOSTAT
5. TOILET EXHAUST DUCT THRU WALL CAP/ROOF EAVE W/ CORROSION RESISTANT SCREEN. AS PER FBC 401.5. 2014.
7. REFRIGERANTE LINES AT CRAWLING SPACE.
8. 3/4"ø CONDENSATE DRAIN (CD) HORIZONTAL AT CLG. SPACE. BELOW FLOOR
9. 2"ø CONDENSATE DRAIN (CD) DN. INTO PARTITION SPACE
10. 2"ø CONDENSATE DRAIN (CD) AT CRAWLING SPACE
11. DRAIN WALL TYPE FRECH WELL
12. PROVIDE RETURN AIR PLUS 1" U/C DOOR.
13. FULL LOUVER DOOR

IMPORTANT NOTE:

– ALL MECH. ROOMS SHALL HAVE A MINIMUM WORKING SPACE CLEARANCE OF 4 " ALONG THE SIDES, BACK AND TOP WITH A TOTAL WIDTH OF THE ENCLOSING SPACE BEING AT LEAST 12 INCHES WIDER THAN THE AIR HANDLER. AS PER SECTION 1305.1.1. MFBCR 2014.

– DISCHARGE LOCATION OF THE CONDENSATE DRAIN SHALL BE IN COMPLIANCE BY SECTION 307 OF THE FMC AND SECTION 1503.7 OF THE 2014 FBC.

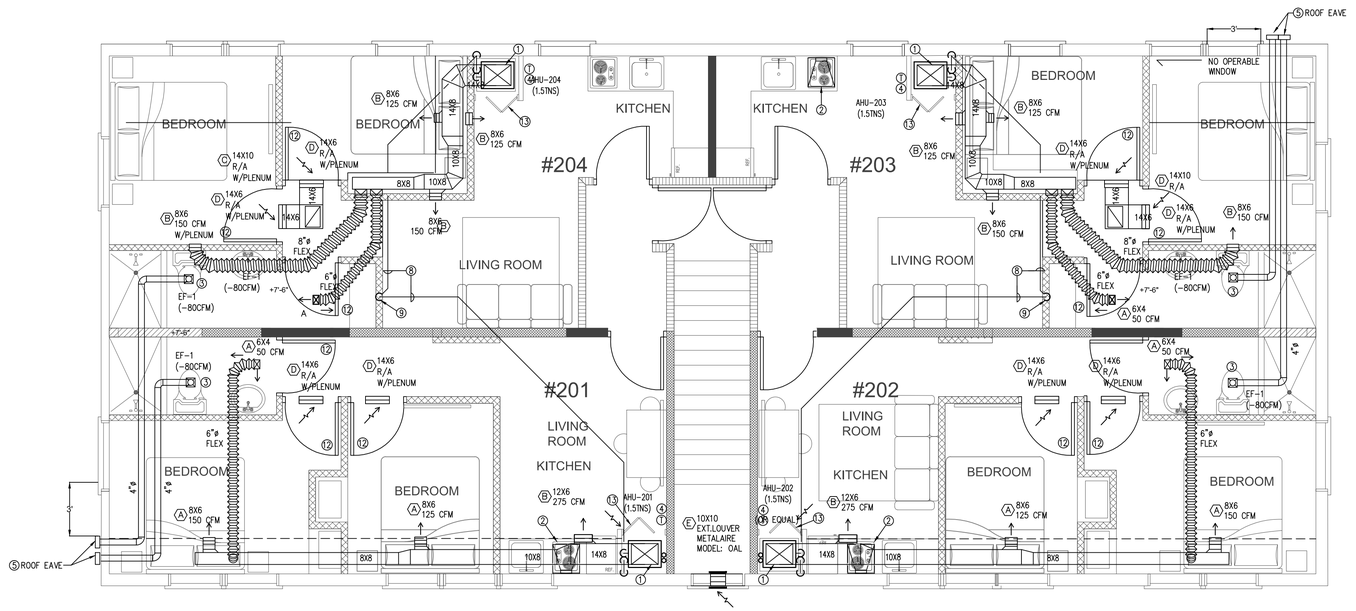
– PROVIDE 1"UC DOOR ALL ROOM DOORS TO MAKE UP AIR IN COMPLIANCE WITH SECTION 601.4, MFBC 2014

– ALL MECHANICAL EQUIPMENT SHALL BE LOCATED AT OR ABOVE THE FLOOD ELEVATION. REFER TO ARCH. DWGS FOR ALL EXISTING AND PROPOSED FFE AND CROWN OF THE ROAD ELEVATION IN NGVD FOR ALL MECH. EQUIPMENT.

– REFRIGERATION PIPING RUNNING MORE THAN 50' COORDINATE SIZE LINES WITH MANUFACTURER RECOMENDATION.

– TOILET EXHAUST DUCT UP TO ROOF (WALL) CAP W/ CORROSION RESISTANT SCREEN. AS PER FBC 401.5. 2010. MIN. 3FT CLEARENCE FROM ANY OPERABLE BLDG. OPENING FMC 1506.2

– NO COMBUSTIBLE MATERIAL ALLOWED AT RETURN AIR PLENUM. CONTRACTOR TO COORD. W/ SUBCONTRACTORS TO PROVIDE PROPER MATERIALS.



MECHANICAL SECOND FLOOR PLAN

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

N

OUTSIDE AIR CALCULATIONS

(PER TABLE 403.3 MFBC 2014)

AREA SERVED	GROSS AREA (SQ.FT.) (A)	MAX. OCCUPANCY (P/1000 SQ.FT.) (B)	TOTAL NO. OF PEOPLE (QTY.) (C)	PEOPLE OUTDOOR AIR FLOW RATE IN BREATHING ZONE. (CFM/P) (D)	TOTAL CFM VENTILATION RATE. (REQ.) (E)=(C)x(D)	EXHAUST AIRFLOW RATE. (REQ.) (CFM/SQF) (F)	AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE. (CFM/SQF) (G)	TOTAL AREA OUTDOOR AIRFLOW IN BREATHING ZONE. (CFM) (H)=(A)x(G)	TOTAL CFM O/A REQUIRED (CFM) (I)= E+H	TOTAL CFM O/A PROVIDED (CFM)
LOBBY AREA	42 SF	30/1000	2 P	7.5 CFM/P	15	---	0.06 CFM/SF	3	18	18
CORRIDOR AREAS (1ST FL)	86 SF	---	---	---	---	---	0.06 CFM/SF	6	6	6
CORRIDOR/STAIR AREA	187 SF	---	---	---	---	---	0.06 CFM/SF	12	12	12

Q=VAE
Q= 18 CFM (TABLE 403.3 MEC. BLDG. CODE)
V= VELOCITY 2 MPH = 352 FT PER MINUTE. A= SQ. FT OF FREE AREA OF WALL OPENING W/ SCREEN OR LOUVER OPENING NOT LESS THAN 1/4" AND NOT GREATHER THAN 1/2".
E= EFFECTIVENESS WITH WIND DIAGONAL TO WALL USE FACTOR 0.3
A= Q / VE = 18 / (352 X 0.3) = 0.18 SQ FT.
A= 0.18 SQ FT. X 144 = 24 SQ. IN. (NET FREE OPENING)
PROVIDE EXTERIOR WALL LOUVER 10 x 10.
METALAIRE. MODEL: OAL

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AA26002510

INTERIOR DESIGNER:

KEY PLAN

SIGNATURE / DATE / SEAL

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PERMIT SET

Issue	Issue Date / For
1	12.05.2016 / Owner Revisions

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX

- Mechanical Plan Level 2

SCALE :

SHEET NO.

M-2

HVAC NOTES

1. GENERAL

A. ALL WORK SHALL BE DONE in accordance with the Florida Building Code 2014 and with all applicable regulations.
B. DRAWINGS: Refer to all drawings for coordination of the HVAC work.
C. ARRANGE AND PAY for all permits licenses, inspections and tests. Obtain the required certificates and present to owner.
D. GUARANTEE: The completed installation shall be fully guaranteed against defective materials and/or improper workmanship for a minimum of one year for material and labor. Compressors shall be guaranteed for a period of five years.
E. As built drawings shall be submitted to owner at the completion of project.

2. SHOP DRAWINGS: Contractors shall submit for approval, within 30 days after signing contract, a minimum of five copies of fully descriptive literature, including but not limited to: fans, air conditioning units, air outlets. No work shall proceed without approval of these submittals.

3. DESIGN PARAMETERS:
A. Outdoor design temperature (Summer): 91°F DB and 77°F WB
B. Outdoor design temperature (Winter): 46°F
C. Indoor design temperature (Summer): 78°F DB
D. Indoor design temperature (Winter): 72°F DB

4. ALL THERMOSTATS SHALL have heating mode maximum setting of 75 F, and cooling mode minimum setting of 70 F. The thermostat shall be arranged to prevent the simultaneous operation of heating and cooling.

5. ELECTRICAL CONTROLS AND POWER WIRING: Under electrical contract.

6. EQUIPMENT SPECIFIED BY manufacturer's number shall include all accessories, controls, etc., listed in the catalog as standard with the equipment. Optional or additional accessories shall be furnished as specified.

7. MATERIALS:
A. REFRIGERANT PIPING: Shall be type L soft drawn, copper tubing, dehydrated for refrigerant use. Sized as shown on drawings or as per air conditioning equipment manufacturer's recommendations.

B. INSULATION: Refrigerant suction piping shall be insulated with 1/2" thick foamed plastic insulation, fire retarding type. Insulation shall be installed in piping before assembly. No split insulation will be acceptable. Seal joints with manufacturer's approved adhesive and gray tape.
– Refrigerant suction line to be insulated w/ insulation having a thermal resistivity of at least R–4 and having an external permanence not exceeding 0.05 perm when tested in accordance w/ ASTM E96. and in compliance w/ FMC–M1411.5

C. DUCTWORK:
a. All supply air ductwork shall be fiberglass duct board, fabricated and installed as per latest edition of SMACNA "Fibrous Glass Duct Manual". 1–1/2" thick R–6.0
b. All exhaust ductwork shall be galvanized sheet metal duct not lighter than 28 gage.
c. All duct dimensions are clear inside dimensions.
d. Flexible insulated ductwork with 1 1/2" thick fiberglass insulation with FRK vapor barrier, class I air duct, U.L. R–6.0 MIN.

D. CLOTHES DRYER EXHAUST::

* Installation: clothes dryers shall be exhausted in accordance with the manufacturer recommendation and as per section 504/502.6 /FMC
* Makeup air: Installations exhausting more than 200 CFM shall be provided with make up air. Where a closet is designed for installation or a clothes dryer exhaust ducts shall not extend into or through ducts or plenums.
* Dryer ductwork: 26 ga. min. galvanized steel (as per FBC R–M1502.4.1), having a smooth interior surface with joints running in the direction of airflow and without sheet metal screws or other fasteners in the air stream. Maximun length shall not exceed 25 feet. wall caps shall be provided with backdraft damper.
* Dryer wall cap shall not be screened as per FBCR–M1502.3.
* Dryer wall cap shall have a min. of 3ft clearance from any operable bldg. opening FMC 501.2.1(3)

8. Provide metal round fittings with scoop at all flexible duct connection to supply duct.

9. TEST AND BALANCE: Contractor shall test and balance all ventilation and air conditioning systems. Submit four copies of Test and Balance Report to owner for approval.

10. CONTROLS: Air conditioning units shall be started and stopped thru individual thermostat. Individual thermostats shall start/stop supply fans and activate cooling/heating systems as selected.

11. Mechanical plans in general, are diagrammatic in nature, and are to be read in conjunction with arch. Plumbing, electrical and structural plans and shall be considered as one set of documents. Duct and piping offsets, bends and transitions will be required to provide and install a complete functional system and shall be provided by the contractor at no additional cost to the owner.

12. Contractor shall verify job conditions prior to ordering, fabrication or installation of materials or equipment. Notify architect/engineer of any conflicts before fabrication.

VENTILATION FAN SCHEDULE

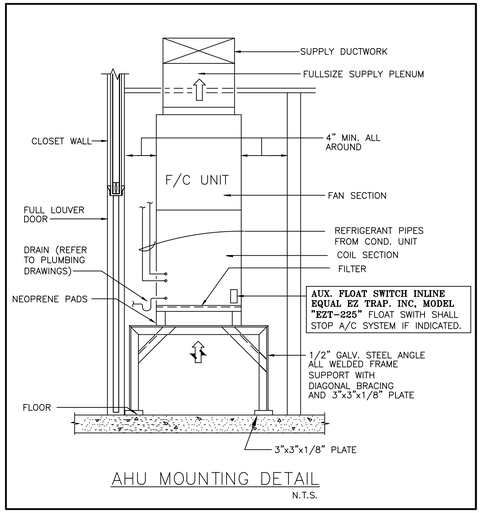
	UNIT DESIGNATION	EF–1
	AREA SERVED	SEE DWG
	OPERATING WEIGHT, LBS	19
	LOCATION	CEILING
	FAN TYPE	SEE DWGS
FAN	TOTAL AIR, CFM	80
FAN	DRIVE TYPE	DIRECT
FAN	FAN WHEEL TYPE	CENTRIFUGAL
FAN	FAN TIP SPEED, FPM MAX.	---
FAN	FAN SPEED, RPM	---
FAN	TOTAL STATIC PRESSURE, IN OF WATER	---
FAN	FAN MOTOR HP. (NON–OVERLOAD)	0.7 AMPS
FAN	FAN MOTOR STARTER TYPE	WALL SWITCH
FAN	STARTER FURNISHED BY	MC
FAN	ELECTRICAL SERVICE AVAILABLE	120–1–60
FAN	---	---
FAN	SONES	1.5
	DESIGN MANUFACTURER	BROAN
	MODEL NUMBER	QTXE80
ACCESSORIES	SERVICE SWITCH	YES
ACCESSORIES	SMOKE DETECTOR (U.L. APPROVED)	NO
ACCESSORIES	FIRE DAMPER	---
ACCESSORIES	CONSTRUCTION	ALUM/PLASTIC
ACCESSORIES	MULTIBLADE BACK DRAFT DAMPER	YES
ACCESSORIES	BIRD SCREEN	NO
ACCESSORIES	SOLID STATE SPEED CONTROL	NO
ACCESSORIES	THERMOSTAT CONTROL	NO
ACCESSORIES	FACTORY FABRICATED CURB	NO
ACCESSORIES	FILTER AND FILTER FRAME	NO

HVAC DESIGN REQUIRES:	YES	NO
DUCT SMOKE DETECTOR		●
FIRE DAMPER(S)		●
SMOKE DAMPER(S)		●
FIRE RATED ENCLOSURE		●
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		●
FIRE STOPPING	●	
SMOKE CONTROL		●

SPLIT AC UNIT SCHEDULE

		AHU–101, 102, 103, & 204 104, 201, 202, 203
	AREA SERVED	SEE PLAN
	LOCATION	UTILITY ROOM
	DIMENSIONS, (L,W,H)	22 X 18 X 50
	OPERATING WEIGHT, LBS	122
	MODEL NUMBER	FX4DNF019T00
	SEER	16.0
FAN SECTION	TOTAL AIR, CFM	600
FAN SECTION	OUTSIDE AIR, CFM	0
FAN SECTION	EXTERNAL STATIC PRESSURE, IN OF WATER	0.4
FAN SECTION	FAN MOTOR ,FLA–HP	2.8 – 1/3
FAN SECTION	ELECTRICAL SERVICE AVAILABLE	208/1/60
FAN SECTION	M.C.A. (AHU+HTR)(208 V)	26.0
FAN SECTION	M.O.C.P. (AHU+HTR)(208 V)	30
CLG. COIL	DESIGN AIR FLOW, CFM.	600
CLG. COIL	TOTAL CAPACITY, MBH	18.0
CLG. COIL	SENSIBLE CAPACITY, MBH	12.8
CLG. COIL	ENTERING AIR TEMP., F°DB/WB	80/67
CLG. COIL	COIL MODEL NO.	----
CLG. COIL	FILTER	CLEANABLE /1"
HEATER	HEATER KW (240 V)	ELECT.(5 KW)
HEATER	ELECTRICAL SERVICE AVAILABLE	208–240/1/60
AIR COOLED CONDENSING UNIT	UNIT DESIGNATION	CU–1
AIR COOLED CONDENSING UNIT	NO. OF FANS	1/––
AIR COOLED CONDENSING UNIT	CONDENSER FAN F.L.A. – H.P	0.5–1/12
AIR COOLED CONDENSING UNIT	AMBIENT AIR TEMP. °F DB	95
AIR COOLED CONDENSING UNIT	CONDENSING TEMP. °F DB	--
AIR COOLED CONDENSING UNIT	NO. OF COMPRESSORS	1
AIR COOLED CONDENSING UNIT	CAPACITY REDUCTION EA.	---
AIR COOLED CONDENSING UNIT	COMPRESSOR F.L.A. – L.R.A. EA.	9.0–48.0
AIR COOLED CONDENSING UNIT	ELECTRICAL SERVICE AVAILABLE	208/1/60
AIR COOLED CONDENSING UNIT	OPERATING WEIGHT, LBS	118
AIR COOLED CONDENSING UNIT	DESIGN MANUFACTURER	CARRIER
AIR COOLED CONDENSING UNIT	DIMENSIONS, (L,W,H)	23 X 23 X 29
AIR COOLED CONDENSING UNIT	MODEL NUMBER	24ABC618A003
AIR COOLED CONDENSING UNIT	M.C.A.	11.8
AIR COOLED CONDENSING UNIT	M.O.C.P.	20
AIR COOLED CONDENSING UNIT	SUCTION (IN. OD)	3/4
AIR COOLED CONDENSING UNIT	LIQUID (IN. OD)	3/8
AIR COOLED CONDENSING UNIT	REFRIGERANT	R–410A

NOTES:
1.– ALL FAN COIL UNITS SHALL BE PROVIDED WITH FACTORY INSTALLED CIRCUIT BREAKER.
2.– ALL THERMOSTATS SHALL BE PROGRAMMABLE TYPE.
3.– DESIGN IS BASED ON CARRIER OR APPROVED EQUAL. W/ SIMILAR SPEC.'S AS SHOWN. (SAME SENSIBLE CAPACITY)
4.– VOLTAGE VALUES BETWEEN PARENTHESIS DENOTES ONLY FOR ELECTRICAL CALCULATIONS. FOR GOOD PRACTICE VOLTAGE AND SPECIFICATION TO BE COORDINATED WITH MANUFACTURER AND ELECTRICAL SERVICE AVAILABLE.
5.– REFER TO ELEC. DWGS FOR ELEC. SPEC'S.



AHU MOUNTING DETAIL
N.T.S.

AIR DISTRIBUTION SCHEDULE

SYMBOL	TAG	USE	TYPE	ACCESSORIES	MFG. & MODEL NO.	REMARK
☒	A	SUPPLY AIR	ALUMINUM CEILING DIFFUSER	O.B.D.	TITUS TITUS 250–AA	CEILING MOUNTED
⊏⊐⊐	B	SUPPLY AIR	ALUMINUM WALL DIFFUSER	O.B.D.	TITUS TITUS 250–AA	WALL MOUNTED
⧄	C	RETURN AIR	ALUMINUM RETURN GRILL	---	TITUS MODEL 350F	RETURN REGISTER
⊏⊐⊐	D	RETURN AIR	WALL RETURN GRILL	---	TITUS 55F	RETURN REGISTER

NOTE: 1. ALL AIR DISTRIBUTION DEVICES SHALL BE ALL ALUMINUM CONSTRUCTION.
2. FINISHES AND TYPES OF MOUNTS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWING. COORDINATE COLOR FINISH
3. DESIGN IS BASED ON TITUS OR APPROVED EQUAL.
4. MAX. ACCEPTABLE FACE VELOCITY THROUGH NET FREE AREA: 400 FT/MIN.
5. 30 MAX NOISE CRITERIA

MECHANICAL NOTES AND SCHEDULES.

PROJECT:
1330 Building
1330 15th Street. Miami Beach, FL 33139

PROJECT OWNER :
NOTUS, LLC
435 21st Street. Miami Beach, FL 33139

ARCHITECT OF RECORD:

RD Architects
1800 SW 1st Avenue, Suite 607
Miami, FL 33129
Phone: 786 . 762 . 2679
email: rda@rda-archint.com
www.rda-archint.com
AA26002510

INTERIOR DESIGNER:

KEY PLAN

SIGNATURE / DATE / SEAL

Victor H. Rodriguez,
Registered Architect
State of Florida # AR0094965
305 . 282 . 0005 vh.rodriguez@rda-archint.com

PERMIT SET

Issue	Issue Date / For
1	12.05.2016 / Owner Revisions

DDCI Project #: **1628.00**
Drawn by: **VHR**
Approved by: **VHR**

SHEET INDEX
- Mech. General Notes
- Schedules
- Details

SCALE :

SHEET NO.
M-3