ELECTRICAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NFPA 70 (NEC 2002) AND FBC 2001.

2. PROVIDE ALL REQUIRED CONNECTIONS FOR OTHER TRADES, INCLUDING TEMPORARY POWER.

3. OBTAIN ALL PERMITS FOR WORK UNDER THIS CONTRACT.

4. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS, WHEN APPLICABLE.

5. ALL EQUIPMENT HAS BEEN RATED AS INDICATED IN PANEL SCHEDULE. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE TO NOTIFY THE ELECTRICAL ENGINEER IF ANY CHANGE IN MANUFACTURER SPECIFICATIONS PRIOR ORDERING.

6. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR A COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH THESE DRAWINGS.

7. DISCONNECTING MEANS ASSOCIATED WITH APPLIANCES TO COMPLY WITH NEC 422.III

8. ALL ELECTRICAL WIRING IN CEILING PLENUMS SHALL BE PLENUM RATED IN ACCORDANCE WITH F.B.C. AND N.E.C. SEE A/C AND ARCHITECTURAL PLANS FOR EXACT AREA LOCATION.

9. COORDINATE ALL LIGHTING FIXTURES WITH MECHANICAL AND PLUMBING TRADES BEFORE ROUGH-IN, PARTICULARLY IN RECESSED TYPES. NOTIFY A/E OF ANY DISCREPANCIES.

10. COORDINATE EXACT LOCATION OF DROP AND LUMINOUS CEILING AREAS WITH ARCHITECTURAL DRAWINGS.

11. VERIFY EXACT LOCATION OF LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN BEFORE ROUGHING-IN.

12. COORDINATE ALL BOXES EXACT LOCATION WITH BUILDING ARCHITECTURAL FEATURES.

13. THERMOSTAT WIRING SHALL BE DONE BY ELECTRICAL CONTRACTOR PER DIAGRAMS BY UNIT MANUFACTURER. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION.

14. RECEPTACLES AND ELECTRIC BOXES INSTALLED OUTDOORS TO BE WEATHERPROOF PROTECTED (NEC 406.8)

15. ALL WIRING SHALL BE COPPER THHW/THWN/THW EXCEPT OTHERWISE HAS NOTED. OTHER TYPES MAY BE USED IF ACCEPTED BY CODE.

16. INDOOR CONDUIT SHALL BE EMT, EXCEPT FOR BASEMENT.

17. ALL DUPLEX RECEPTACLES SHALL BE 120V-15/20A-2P-3W GROUNDED, STANDARD GRADE, COLOR CODING. RECEPTACLES SHALL BE MANUFACTURED BY SLATE DECORATOR SERIES OF COLOR SELECTED BY ARCHITECT, EXCEPT OTHERWISE HAS NOTED.

18. ALL CONDUITS SHALL BE CONCEALED IN CEILING, WALL OR FLOOR.

19. ALL RECEPTACLES SHALL BE WIRED IN ACCORDANCE WITH NEC TO ENSURE CORRECT POLARITY.

20. PROVIDE FIRE STOPS IF ALL ELECTRICAL CONDUITS CROSSING FIRE RATED CEILING AND/OR WALLS. CONSULT WITH ARCHITECT BEFORE PROCEEDING WITH ANY PENETRATION THROUGH WALL AND CEILING.

21. ALL DUPLEX RECEPTACLES SHALL BE INSTALLED IN VERTICAL POSITION AT +18" AFF MINIMUM, EXCEPT OTHERWISE HAS NOTED.

22. ALL CIRCUIT BREAKERS IN ALL PANELS, DISTRIBUTION PANELS, ETC., MUST BE CLEARLY IDENTIFIED ON DOOR SCHEDULE OR WITH PLASTIC STRIPS AFFIXED PERMANENTLY TO PANEL DOOR. ALL PANELS, D.P., ETC. MUST BE STENCILED ON THE OUTSIDE DOOR OR TO HAVE A PLASTIC LABEL SHOWING NAME OF PANEL, VOLTAGE, AND PHASE AS SHOWN ON THIS SET OF PLANS.

23. ALL CB FOR HVAC AND REFRIGERATION SYSTEMS SHALL BE HACR LISTED (NEC 440.21).

24. PROVIDE EMPTY CONDUITS WITH PULL WIRE FOR TELEPHONE, DATA/COMM. CABLING AND CATV SYSTEMS AS REQUIRED BY UTILITY CO.

25. ALL SWITCHES, RECEPTACLES, PANELS AND LIGHT FIXTURES SHALL MATCH EXISTING ONES WHEN APPLICABLE.

SYMBOL LEGEND

- FOURPLEX RECEPTACLE
- FOURPLEX FLOOR RECEPTACLE
- GFI RECEPTACLE
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE (+18" A.F.F.)
- EXHAUST FAN
- WP WEATHER PROOF
- $ SWITCH
- $3 3 WAY SWITCH
- DISCONNECT SWITCH
- ELECTRICAL PANEL 208Y/120
- 2'X4' LIGHT FIXTURE
- FIRE STROBE SPEAK
- FIRE PULL
- DATA / TEL OUTLET
- EMERGENCY LIGHT
- EXIT SIGN
- $4 4 WAY SWITCH

PANEL H

EXISTING

TYPE: LOAD CENTER
SERVICE: LIGHTING & OUTLET
VOLTAGE: 120/240 V,1 PH, 3W
MOUNTING: SURFACE

MAIN BUS:100A
NEUTRAL: 100 A
MAIN: MLO
AICS: 10000

AMPS	POLES	TOTAL V.A.	COND. SIZE	WIRE SIZE	REMARKS	CKT NO.	CKT NO.	REMARKS	WIRE SIZE	COND. SIZE	V.A. TOTAL	POLES	AMPS	
20	1	900	1/2	12	EMERG. LTS.	1	2	GEN. LTS.	12	1/2	900	1	20	
20	1	900	1/2	12	GEN. LTS.	3	4	SPACE (REMOVE BREAKER)	–	–	–	–	–	
15	2	4200	1/2	12	CU-1	5 / 7	6 / 8	FUTURE EQUIPMENT	10	1/2	3000	3	30	
20	1	1000	1/2	12	COOLER	9	10							
20	1	900	1/2	12	GFI	11	12	REF	12	1/2	1000	1	20	
20	1	900	1/2	12	GEN. LTS.	13	14	REF	12	1/2	1000	1	20	
20	3	1500	1/2	12	WALK IN COOLER	15 / 17 / 19	16 / 18	REF / GEN. OUTLETS	12 / 12	1/2 / 1/2	1000 / 900	1 / 1	20 / 20	
15	2	4200	1/2	12	CU-2	20 / 21 / 23	22	AHU-1	8	3/4	5800	2	40	NC.
20	1	1000	1/2	12	REF	24 / 25	26	AHU-2	8	3/4	8600	2	40	NC.
20	1	900	1/2	12	GEN. OUTLETS	27	28	GEN. OUTLETS	12	1/2	900	1	20	
20	1	900	1/2	12	WATER COOLER	29	30	GEN. OUTLETS	12	1/2	900	1	20	

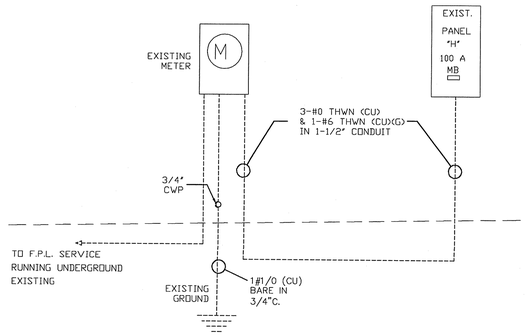
LOAD CALCULATION:

LIGHTING LOAD @ 100%	7,200 VA
LIGHTING LOAD @25% :	1,800 VA
NON.CONT.LOAD: 5,4300 VA	
NON. CONT. AT 100%	9,400 VA
A/C LOAD @ 100%:	11,600 VA
TOTAL	22,800 VA

AMP = $\frac{22,800}{240}$ = 95 A

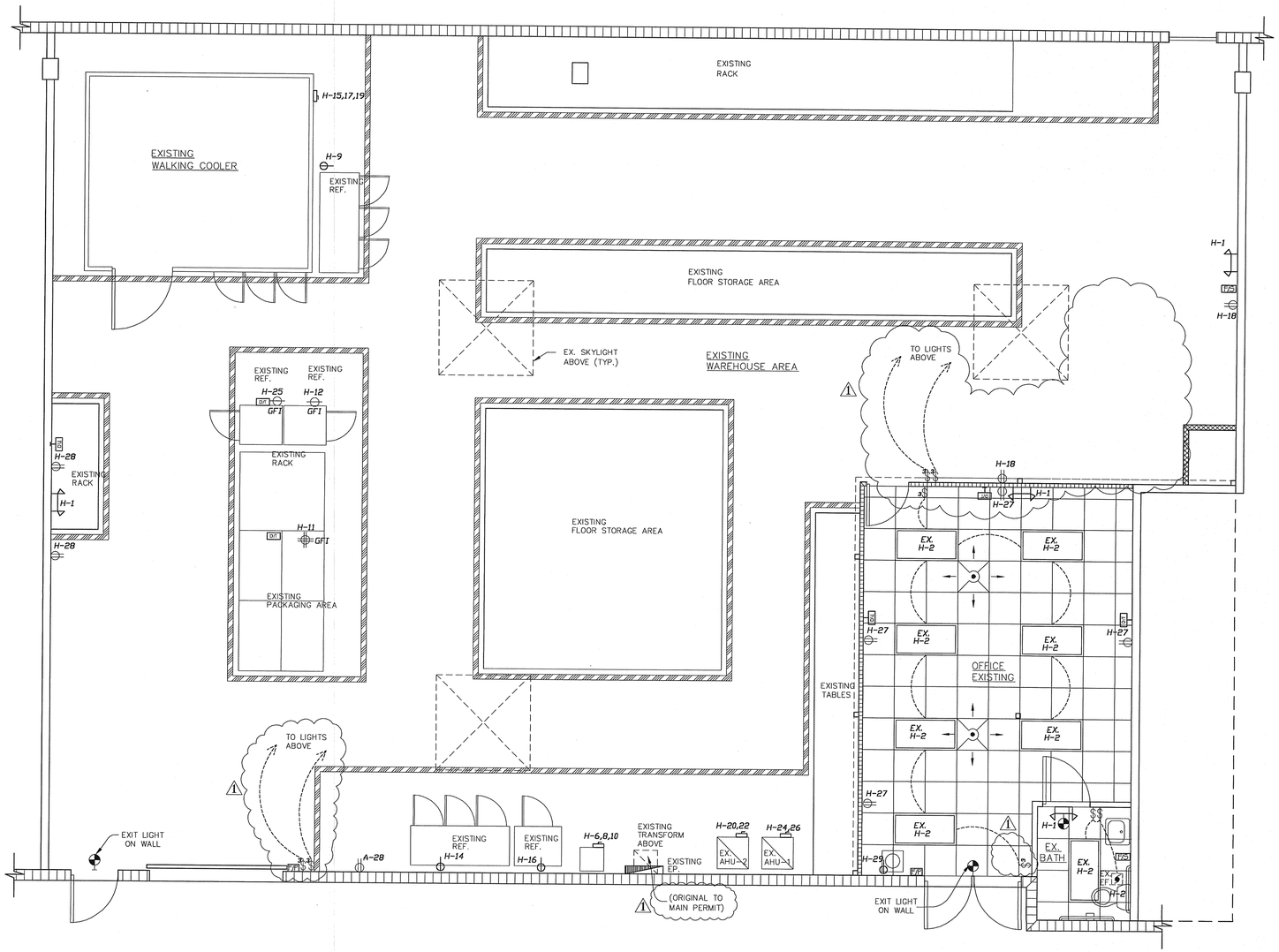
FEEDER: SEE RISER

FED FROM: SEE RISER



EXISTING ELECTRICAL RISER TYP.

NTS



ELECTRICAL FLOOR PLAN

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

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rcortespa@aol.com

SEAL

AS-BUILT/LEGALIZATION FOR:

PACKING CENTER FOR NOVIS PHARMACEUTICALS
5000 SW 75 AVE.
MIAMI, FL 33155

SHEET NAME:
FLOOR PLAN

	SYM	REVISION-RECORD
06/08/12	1	

DATE: 11-03-11
DRAWN BY: LR.
SCALE: 1/4" = 1'-0"
PROJECT N°:

NORTH

SHEET No. E-1

Miami Dade County Department of Permitting, Environment and Regulatory Affairs
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Examiner	Date Time Stamp	Disp.	Trade	Stamp Name
Stephen Kovach	6/19/2012 12:02:47 PM	A	ELEC	Approved