MIAMIBEACH
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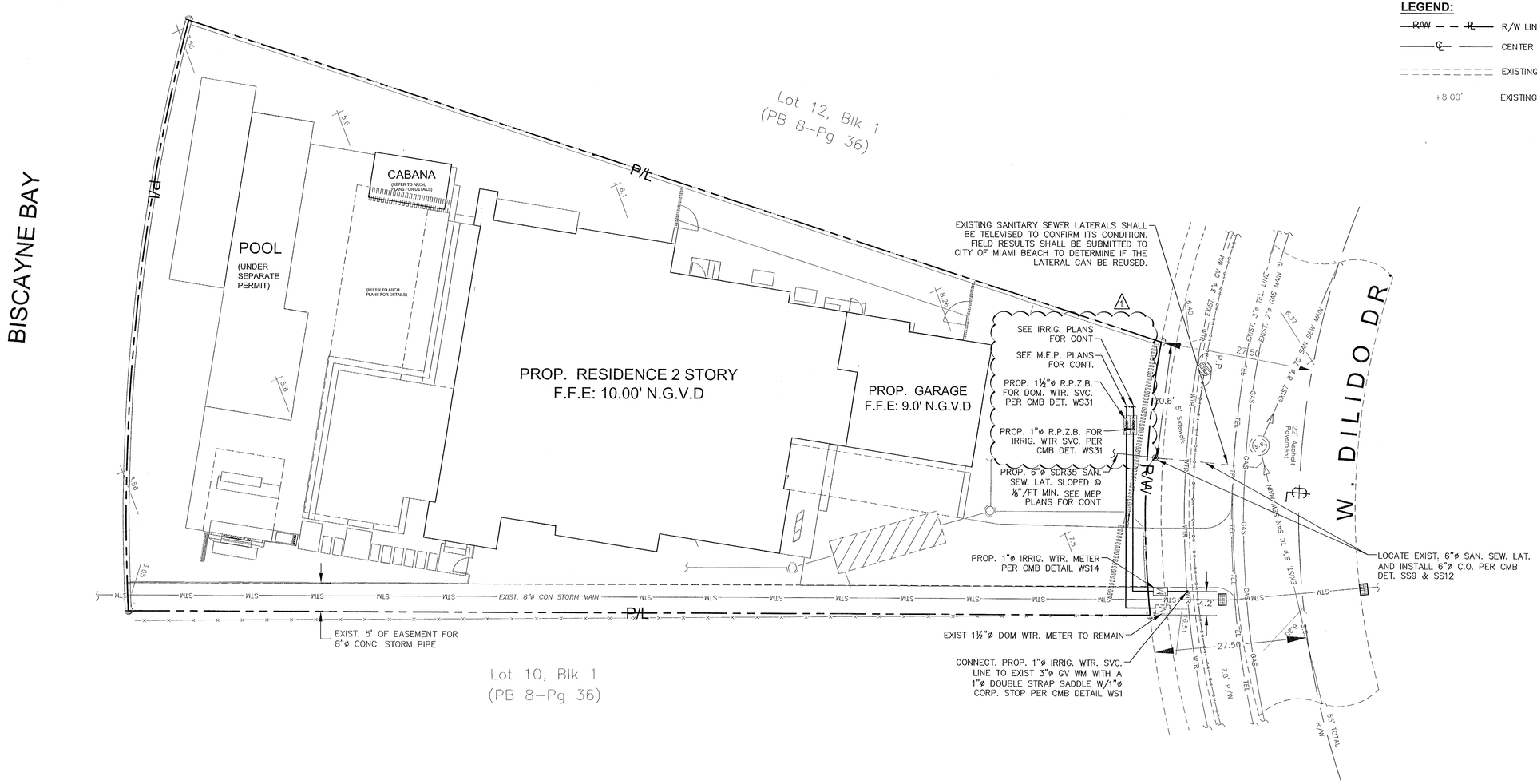

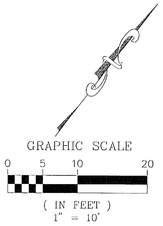

LEGEND:

R/W — — P/L	R/W LINE / PROPERTY LINE
——℄——	CENTER LINE
= = = = = = = =	EXISTING CURBING
+8.00'	EXISTING ELEVATIONS (NGVD)

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WATER AND SEWER PLAN

seal

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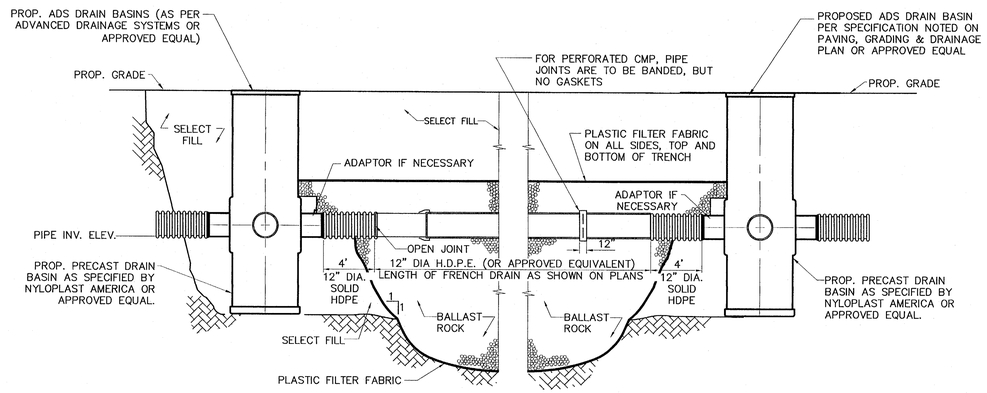
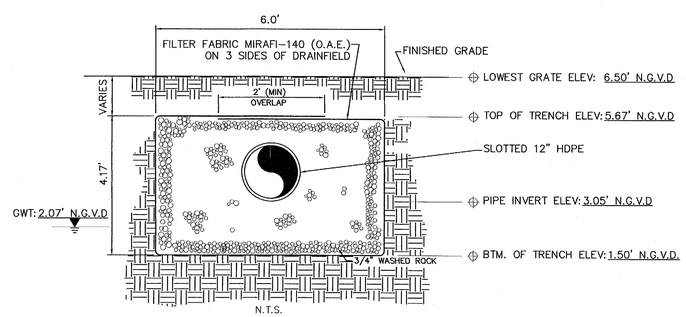


LONGITUDINAL SECTION
N.T.S.

NOTE:

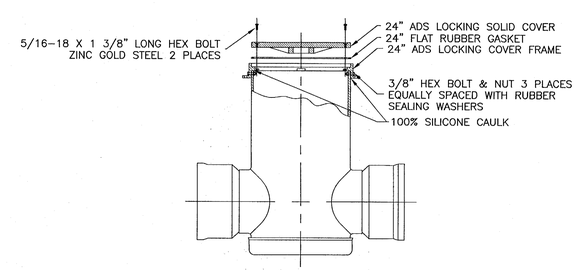
AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF SETTLEMENT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH IS COMPLETED IN ACCORDANCE WITH THE DETAILS.

TYPICAL CATCH BASIN AND EXFILTRATION TRENCH DETAIL



N.T.S.

EXFILTRATION TRENCH FOR 12" SLOTTED H.D.P.E.



FRAME ATTACHMENT TO DRAINAGE BASIN DETAIL

N.T.S.

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DRAINAGE PLANS

seal

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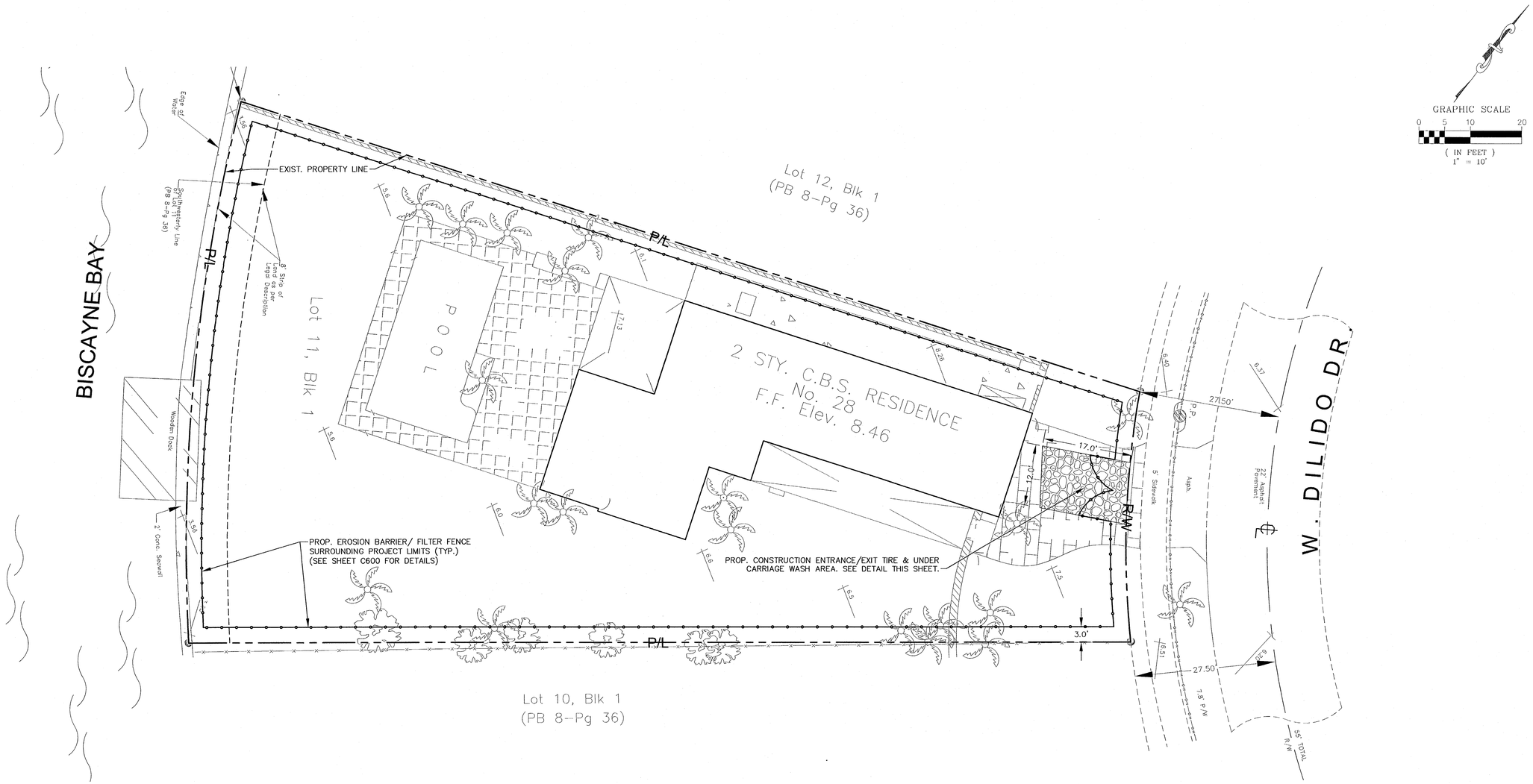
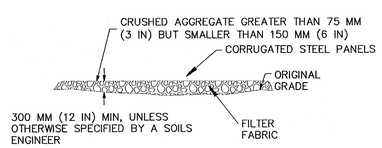
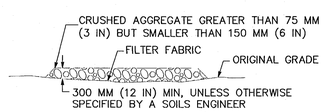
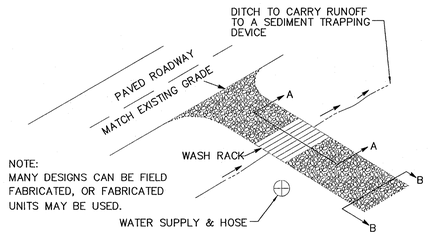




SECTION A–A
NOT TO SCALE



SECTION B–B
NTS



NOTE:
MANY DESIGNS CAN BE FIELD FABRICATED, OR FABRICATED UNITS MAY BE USED.

TYPICAL TIRE WASH
NOT TO SCALE

LEGEND:

- R/W LINE / PROPERTY LINE
- CENTER LINE
- EXISTING CURBING
- ×8.00' EXISTING ELEVATIONS (NGVD)
- PROP. EROSION BARRIER PER CMB DETAIL SES13. (SEE CIVIL SHT. C600 FOR DETAILS)

NOTES:

1. CONTRACTOR SHALL INSTALL GEOTEXTILE FABRIC IN EACH CATCH BASIN, FLOOR DRAIN OR TRENCH DRAINS IN THE EFFORTS TO PROTECT THE PROPOSED STORM WATER MANAGEMENT SYSTEM FROM DEBRIS AND SEDIMENTATION.
2. IN ACCORDANCE TO FDEP NPDES PERMIT REQUIREMENTS, EROSION CONTROL DEVICES SHALL BE INSPECTED DAILY AND REPLACED AS NEEDED.

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SEDIMENTATION AND
EROSION CONTROL
PLAN

seal

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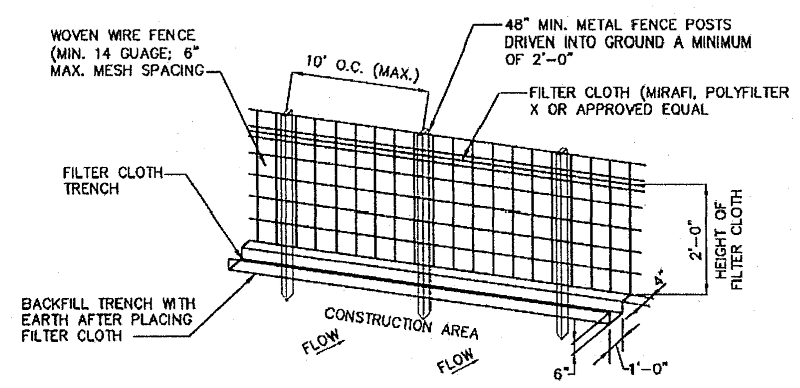

CONSTRUCTION SPECIFICATIONS:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS BY USE OF WIRE TIES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE BY USE OF WIRE TIES SPACED EVERY 24" X 24".
3. SILT FENCES TO BE INSTALLED IN LOCATIONS AS SHOWN ON THIS EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING OF CONSTRUCTION TO CONTROL SEDIMENT.
4. SILT FENCES TO BE MAINTAINED AND CLEANED AS NECESSARY TO MAINTAIN IN FUNCTIONAL CONDITION.
5. SILT FENCES TO BE REMOVED AND THE AREA TO BE RESTORED TO ITS NATURAL CONDITION WHEN PERMANENT EROSION AND SEDIMENT CONTROL PROCEDURES ARE EFFECTIVE.

FILTER FENCE
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT | APPROVED 06/01/2010 | REVISED | TITLE: SITE EARTHWORK DETAILS NO.2 FILTER FENCE | SES13

EROSION AND SEDIMENT CONTROL GENERAL NOTE:

THE FOLLOWING ARE BEST MANAGEMENT PRACTICES (BMP'S) DETAILS AND SPECIFICATIONS. IN ADDITION TO THE STANDARDS PER FDOT INDEX 100, 101, 102, 103, AND 104, AS WELL AS PER FLORIDA'S EROSION AND SEDIMENT CONTROL MANUAL, AND ARE ONLY A SUGGESTED APPROACH DEVELOPED FOR USE BY THE OWNER/CONTRACTOR TO ASSIST THEM IN IMPLEMENTING APPROPRIATE POLLUTION PREVENTION TECHNIQUES TO COMPLY WITH FLORIDA NPDES STORM WATER CONSTRUCTION ACTIVITY, AS ESTABLISHED BY FDEP.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND IMPLEMENT THE BEST MANAGEMENT PRACTICE THAT ARE APPROPRIATE FOR THE PROJECT'S SITE SPECIFIC CONDITIONS DURING THE LIFE OF THE CONSTRUCTION ACTIVITIES.

EROSION AND SEDIMENT CONTROL GENERAL NOTE
N.T.S.

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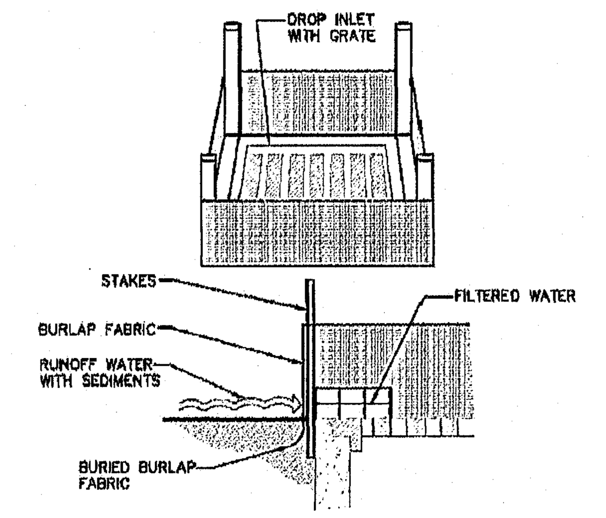

SPECIFIC APPLICATION:

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5%) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.50 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

BURLAP DROP INLET SEDIMENT FILTER
N.T.S.

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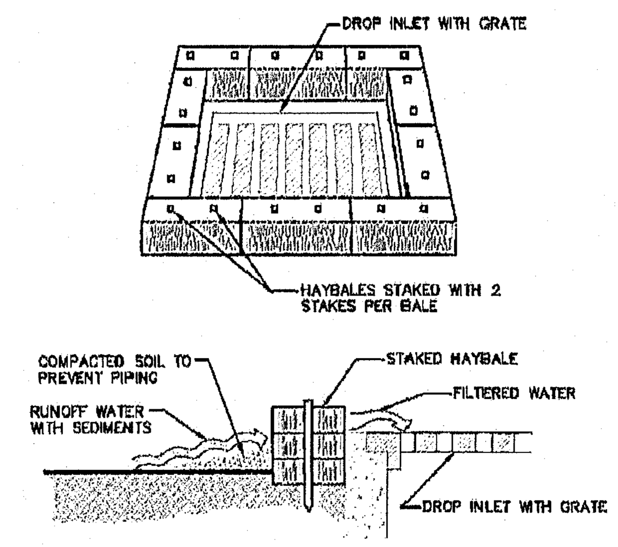

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5%) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.50 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

HAYBALE DROP SEDIMENT FILTER
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT | APPROVED 06/01/2010 | REVISED | TITLE: SITE EARTHWORK DETAILS NO.2 HAYBALE DROP SEDIMENT FILTER | SES10

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETIONOF CON-STRUCTION AND ONLY WHEN AREAS HAVE BEEN STABLIZED.
3. ADDITIONAL PROTECTION - ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. WIRE MESH SHALL BE LAID OVER THE TOP DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH ½-INCH OPENING SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
6. FDOT NO.1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED ON DETAIL. THE DEPTH OF STONE SHALL BE AT LEASE 12 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEASE 18 INCHES ON ALL SIDES.
7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BALE SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
9. BALES SHALL BE PLACED LENGTHWISE IN SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED AROUND THE INLET AND WIDTH OF A BALE TO A MINIMUM DEPTH OF FOUR INCHES. AFTER THE BALES ARE STACKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
12. LOOSE STRAW SHOULD BE WEDGED BETWEEN BALE STO PREVENT WATER FROM ENTERING BETWEEN BALES.

EROSION AND SEDIMENT CONTROL NOTES
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT | APPROVED 06/01/2010 | REVISED | TITLE: SITE EARTHWORK DETAILS NO.3 EROSION AND SEDIMENT CONTROL NOTES | SES15a

13. HAYBALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEASE DAILY DURING PROLONGED RAINFALL.
14. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
16. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
17. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE HAYBALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFROM TO THE EXISTING GRADE, PREPARED AND SEEDED.
18. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEASE DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
19. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
20. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
21. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHENTHE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THT IT WILL NOT ERODE.
22. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND APPLICABLE WATER MANAGEMENT DISTRICT PERMIT(S) FOR THIS PROJECT.
23. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGAEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (FDER), CHAPTER 6.
24. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.

EROSION AND SEDIMENT CONTROL NOTES
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT | APPROVED 06/01/2010 | REVISED | TITLE: SITE EARTHWORK DETAILS NO.3 EROSION AND SEDIMENT CONTROL NOTES | SES15b

25. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
26. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
27. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
28. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE APPLICABLE WATER MANAGEMENT DISTRICT.
29. ALL DISTURBED AREAS TO BE STABILIZED THROUGH COMPACTION, SILT SCREENS, HAYBALES AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
30. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND BE REMOVED OLY WHEN AREAS HAVE BEEN STABILIZED.
31. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT CONTROL MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
32. ALL EXCAVATIONS AND EARTHWORK SHALL BE DONE IN A MANNER TO MINIMIZE WATER TURBIDITY AND POLLUTION. DISCHARGE SHALL BE CONTROLLED AND REROOTED THROUGH HAY FILTERS, SILTATION DIAPERS AND SUMPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION, CORRECTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION IN ACCORDANCE WITH CHAPTER 62-302, FLORIDA ADMINISTRATIVE CODE.
33. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT THAT LEAVES THE SITE AND CHANGES ANY DOWNSTREAM CONDITIONS BY RAISING CHANNEL BOTTOMS AND/OR CLOGGING OUTFALL CULVERTS.
34. THE CONTRACTOR SHALL PAY FOR ANY WATER QUALITY CONTROL VIOLATIONS FROM ANY AGENCY THAT RESULTS IN FINES BEING ASSESSED TO THE OWNER BECAUSE OF THE CONTRACTOR'S FAILURE TO ELIMINATE TURBID RUNOFF FROM LEAVING THE SITE AND RAISING BACKGROUND LEVELS ABOVE EXISTING BACKGROUND LEVEL.
35. A MINIMUM OF ONE OF THE EROSION CONTROL MEASURE OPTIONS SHOWN FOR ALL DROP INLETS WILL BE USED BY THE CONTRACTOR.
36. FLOATING TURBIDITY BARRIERS WILL BE PLACED AT ALL OUTFALL LOCATIONS. IF SEAGRASSES ARE PRESENT BARRIERS WILL NOT BE PLACED OVER THEM. THE FLOATING TURBIDITY BARRIERS SHALL BE INSTALLED IN A MANNER TO PREVENT MANATEE ENTANGLEMENT.
37. SILT FENCES OR HAYBALES WILL BE USED ALONG BOTH SIDES OF LIMITS OF CONSTRUCTION TO MINIMIZE OFFSITE SILTATION MIGRATION.

EROSION AND SEDIMENT CONTROL NOTES
N.T.S.

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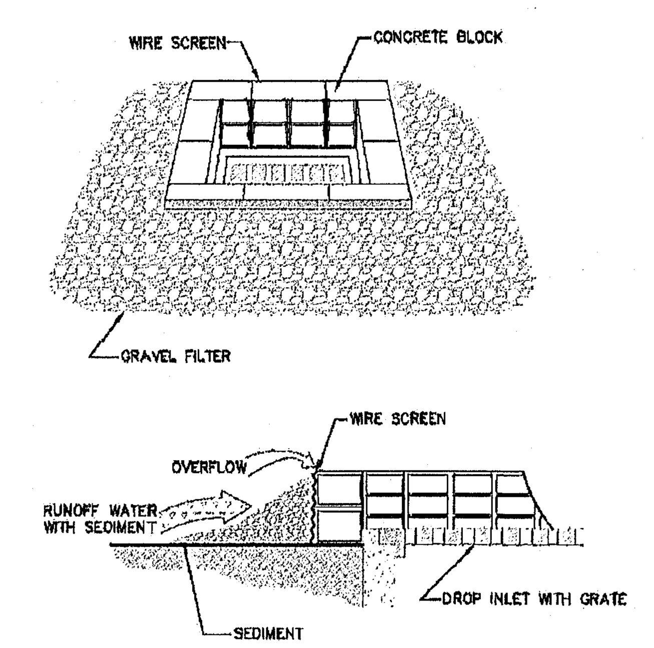

SPECIFIC APPLICATION:

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE POUNDING AROUND THE STRUCTURE.

BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER
N.T.S.

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SEDIMENTATION AND EROSION CONTROL NOTES

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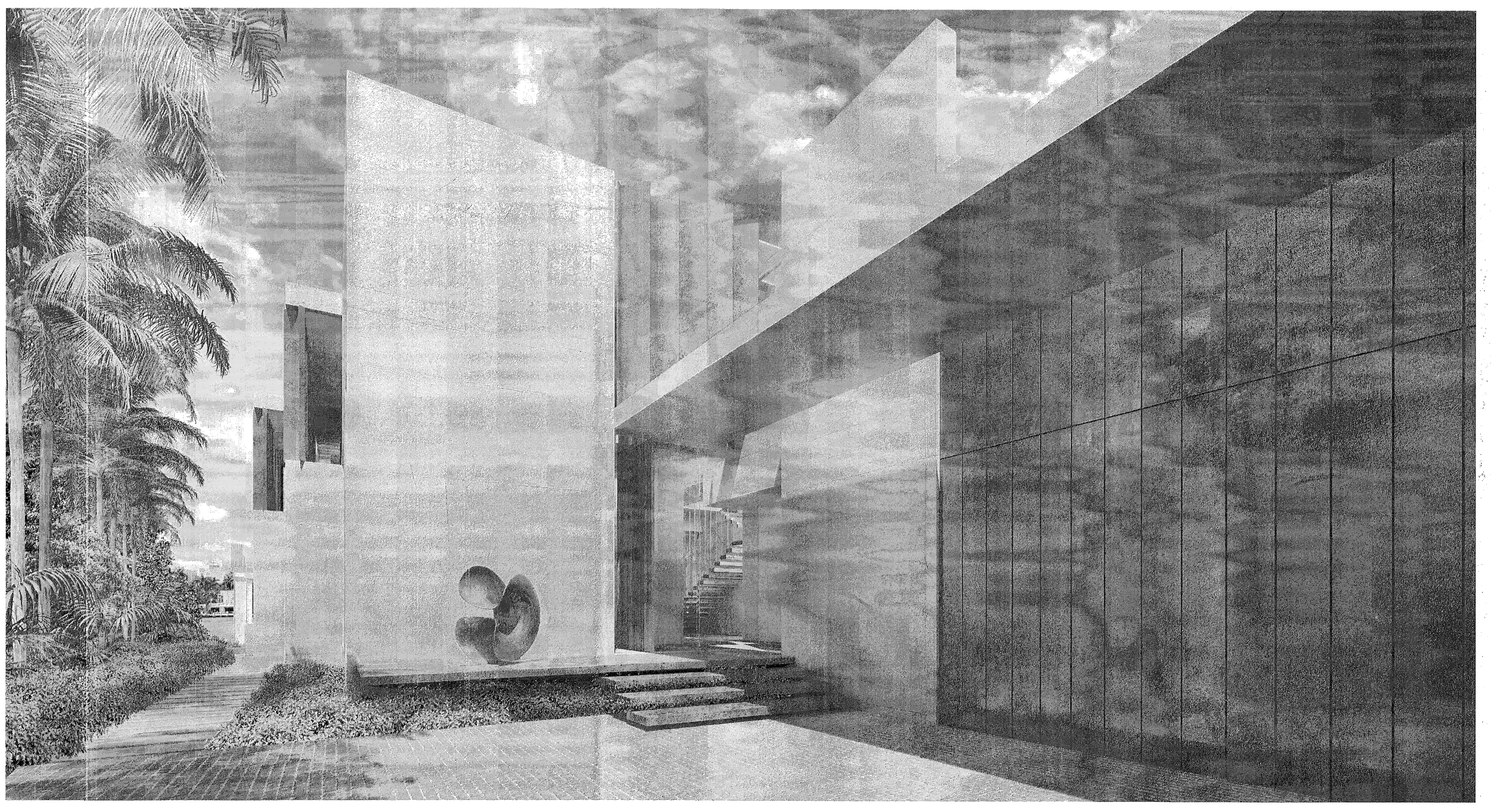

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registered architect
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28 W DILIDO DR.

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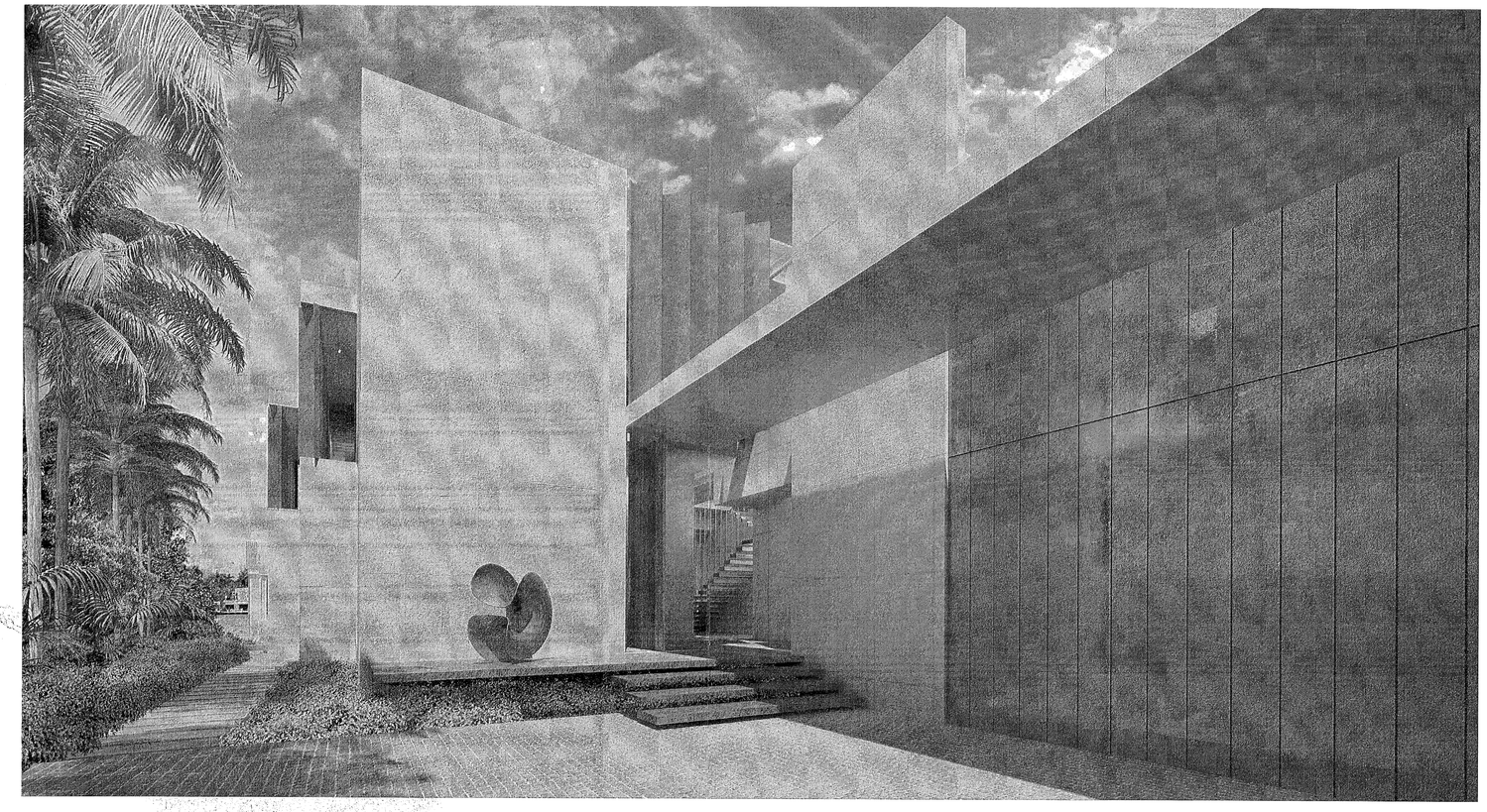

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2/1/17

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CODE COMPLIANCE

ELECTRICAL NOTES:

1. MATERIALS AND INSTALLATION, AS A MINIMUM, ARE TO CONFORM WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE 2011 EDITION, N.F.P.A., LOCAL CODES, ORDINANCES, INCLUDING ALL AMENDMENTS TO THE N.E.C. EQUIPMENT WHERE APPLICABLE, WILL BE LISTED WITH THE UNDERWRITER'S LABORATORIES, INC. QUALITY AND WORKMANSHIP ESTABLISHED BY DRAWINGS AND SPECIFICATIONS ARE NOT TO BE REDUCED BY THE ABOVE MENTIONED CODES.

2. BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORSEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.

3. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM IS TO BE FULLY OPERABLE AND ACCEPTANCE OF THIS SYSTEM BY THE ENGINEER MUST BE A CONDITION OF THE SUB CONTRACT.

4. ALL WORK TO BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.

5. CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE.

6. CORRECTION OF ANY DEFECTS TO BE COMPLETED WITHOUT ADDITIONAL CHARGE AND TO INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.

7. ALL REQUIRED INSURANCE TO BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OF PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

8. CONTRACTOR TO PAY FOR ALL PERMITS, FEES INSPECTIONS AND TESTINGS.

9. ELECTRICAL INSTALLATION TO MEET ALL STANDARD REQUIREMENTS OF LOCAL POWER AND TELEPHONE COMPANIES. ELECTRICAL CONTRACTOR SHALL CONTACT LOCAL POWER AND TELEPHONE COMPANIES PRIOR TO START OF CONSTRUCTION.

10. ALL WIRING SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED, MINIMUM WIRE SIZE SHALL BE #14 AWG. EXCLUDING CONTROL WIRING. ALL CONDUCTORS SHALL BE COPPER WITH THWN/THHN INSULATION. CONDUCTORS #10 AND SMALLER MAY BE SOLID; ALL THOSE #8 AND LARGER TO BE STRANDED.

11. ALL UNDERGROUND RACEWAYS SHALL BE MINIMUM 3/4", SCHEDULE 40 PVC. ALL OTHER RACEWAYS TO COMPLY WITH GOVERNING CODES. WHERE RIGID STEEL IS USED, IT SHALL BE COMPLETELY COATED WITH AN ALKALI AND RUST RESISTANT BITUMASTIC PAINT, COPPER NO. 50, AND THREADS SHALL BE COATED WITH ZINC CHROMATE. RIGID STEEL SHALL ALSO BE USED WHEN CONDUIT IS EXPOSED TO EXTERIOR ENVIRONMENT SUCH AS EXTERIOR OF BUILDING OR WHERE IT IS EXPOSED AND SUBJECT TO DAMAGE, INSIDE OF BUILDING.

12. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND BE OF SPECIAL CONSTRUCTION FOR OTHER CLASSIFIED AREAS. ALL BOXES SHALL BE RECESSED (FLUSH) IN WALLS OR CEILINGS WHENEVER POSSIBLE.

13. DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, QUICK-BREAK TYPE. ENCLOSURES SHALL BE AS REQUIRED BY N.E.C. AND LOCATION (WEATHERPROOF, EXPLOSION PROOF, ETC.). ENGRAVED LAMINATED PLASTIC IDENTIFICATION PLATES SHALL BE FURNISHED AND INSTALLED ON ALL DISCONNECT SWITCHES, CONTACTORS AND STARTERS.

14. ALL FUSES FOR SAFETY SWITCHES SHALL BE DUAL ELEMENT, CARTRIDGE TYPE. FUSES SHALL BE THOSE MANUFACTURED BY EITHER BUSSMAN OR LITTLEFUSE. THE CONTRACTOR SHALL FURNISH TO THE OWNER ONE SPARE FUSE FOR EACH SIZE AND TYPE OF FUSE INSTALLED. FUSES 600 AMPS. OR LESS SHALL BE CLASS RK1, TYPICAL UNLESS OTHERWISE NOTED. FUSES OVER 600 AMPS. SHALL BE CLASS L.

15. ALL GENERAL PURPOSE SWITCHES AND RECEPTACLES SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER.

16. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM, AND PROVIDE ALL NECESSARY DEVICES AND COMPONENTS FOR EQUIPMENT BE PLACED IN PROPER WORKING ORDER.

17. EQUIPMENT GROUNDING AND EQUIPMENT GROUNDING CONDUCTORS SHALL BE PER NEC CODE SECTION 250 GROUNDING AND BONDING. SIZE OF EQUIPMENT GROUNDING CONDUCTORS SHALL BE PER NEC CODE SECTION 250.122.

    A SEPERATE GROUND CONDUCTOR SHALL BE INSTALLED IN EVERY CONDUIT AND RACEWAY AND SECURELY BONDED IN AN APPROVED GROUNDING TERMINAL AT BOTH ENDS OF THE RUN. THE GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH TABLE 250-95 OF THE N.E.C. CONTRACTOR SHALL SIZE CONDUIT TO ACCOMMODATE ADDITIONAL CONDUCTOR.

18. LOAD DATA IS BASED ON INFORMATION GIVEN TO THE ENGINEER AT THE TIME OF DESIGN. VERIFY ALL EQUIPMENT NAMEPLATE RATINGS BEFORE ORDERING.

19. CIRCUITS SHOWN ON PLANS ARE TO DETERMINE LOAD DATA AND PANEL SIZES. THE CONTRACTOR IS TO PROVIDE CIRCUITS AND ROUTING OF CONDUITS TO SUIT JOB CONDITIONS.

20. FURNISH AND INSTALL DISCONNECT SWITCHES, WIRING, AND CONNECTIONS ON AIR CONDITIONING SYSTEM AS SHOWN ON PLANS. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE WITH MECHANICAL CONTRACTOR REGARDING SUPPLY AND INSTALLATION OF ALL REQUIRED CONTROLS.

21. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE IN LINE FUSING AND ENERGY SAVING BALLASTS. (ONLY REQUIRED IN MIAMI DADE COUNTY)

22. ALL SWITCHGEAR, PANELS, STARTERS, CONTACTORS ETC., SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER, THE SYSTEM DESIGN IS BASED ON SQUARE "D"; HOWEVER, COMPARABLE EQUIPMENT BY G.E. & SIEMENS WILL BE ACCEPTABLE. TANDEM AND HALF-SPACE CIRCUIT BREAKERS SHALL NOT BE USED.

23. TYPEWRITTEN CIRCUIT INDEX SHALL BE AFFIXED TO INSIDE SURFACE OF EACH PANELBOARD DOOR, CLEARLY INDICATING AREA AND TYPE OF LOAD SERVED BY EACH BRANCH CIRCUIT PROTECTIVE DEVICE, INCLUDING SPARES. HAND PRINTED WILL NOT BE ACCEPTED.

24. ENGRAVED, LAMINATED PLASTIC IDENTIFICATION PLATES SHALL BE FURNISHED AND INSTALLED ON ALL PANELS AND SWITCHGEAR. PLATES SHALL BE AFFIXED TO FRONT OF PANELS, INDICATING PANEL NAME, VOLTAGE AND AMPERAGE.

25. ALL UNDERGROUND PVC CONDUIT RUNS SHALL HAVE RIGID STEEL ELBOWS AND RIGID STEEL SECTIONS AT SLAB PENETRATIONS WHERE SUBJECT TO POSSIBLE DAMAGE. WHERE RIGID STEEL IS USED, IT SHALL BE COMPLETELY COATED WITH AN ALKALI AND RUST-RESISTANT BITUMASTIC PAINT, COPPER NO. 50, AND THREADS SHALL BE COATED WITH ZINC CHROMATE.

26. THE ELECTRICAL CONTRACTOR SHALL MEET AND COORDINATE WITH THE LOCAL POWER COMPANY AT THE SITE PRIOR TO CONTRUCTION. AT THAT TIME, THE CONTRACTOR SHALL COORDINATE ALL RELATED WORK WITH THE UTILITY COMPANY'S RESPONSIBILITIES TO MEET THE OWNER'S SCHEDULE.

27. ALL ELECTRICAL CONDUCTORS SHALL BE INSTALLED IN AN APPROVED RACEWAY, EMT, IMC, RIGID GALVANIZED CONDUIT OR SCEDULE 40 PVC MAXIMUM
    NUMBER OF 120V CIRCUITS ALLOWED IN A COMMON CONDUIT SHALL BE SIX (6). THE CONTRACTOR SHALL STRICTLY CONFORM TO THE N.E.C. REQUIREMENTS OF DERATING FOR CONDUCTOR AMPACITY AND CONDUIT FILL.

28. CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS:

    240V SYSTEM
    NEUTRAL – WHITE
    PHASE A – ORANGE
    PHASE B – RED

    GRD.CON – GREEN

29. CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL CONDUIT PENETRATIONS MADE THROUGH FIRE RATED WALLS, CEILINGS, SLABS, ETC. PENETRATION SEALS SHALL BE PER U.L. ASSEMBLY STANDARDS.

30. CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF CONTRACT DRAWINGS AT JOB SITE WITH COLORED MARKINGS INDICATING PROGRESS OF WORK. THIS SET OF CONTRACT DRAWINGS IS TO BE SEPERATE FROM AND IN ADDITION TO CONTRACTOR'S CONSTRUCTION SET. EVERY UNIT OF EQUIPMENT, DEVICE, CONDUIT AND WIRE IS TO BE MARKED WHEN INSTALLED. USE GREEN TO INDICATE INSTALLATION AS SHOWN ON RAWINGS AND USE RED TO INDICATE FIELD CHANGES. UPON COMPLETION OF WORK, THIS SET OF CONTRACT DRAWINGS IS TO BE TURNED OVER TO, AND BECOME PROPERTY OF THE ELECTRICAL ENGINEER.

31. IF ELECTRICAL CONTRACTOR HAS QUESTIONS, OR IN THEIR OPINION FINDS OMISSIONS OR ERRORS ON ELECTRICAL DOCUMENTS, IT IS THEIR RESPONSIBILITY TO BRING THIS TO THE ATTENTION OF THE ELECTRICAL ENGINEER IMMEDIATELY. IF ELECTRICAL CONTRACTOR PROCEEDS WITH ANY CHANGES TO THE CONTRACT DOCUMENTS, WITHOUT WRITTEN PRIOR APPROVAL FROM THE ELECTRICAL ENGINEER, CONTRACTOR WILL NOT BE COMPENSATED.

32. IN ALL AREAS SPECIFIED IN 210.52, ALL 125 VOLT, 15 AND 20 AMP. RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT AS PER NEC CODE SECTION 406.11.

33. COMPLY AS REQUIRED AS STATED IN NEC ART. 210.8.

34. ALL ELECTRICAL EQUIPMENT SHALL BE ABOVE FLOOD LEVEL PER FEMA REG.

35. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC ART. 110.26.

36. COMPLY AS REQUIRED AS STATED IN NEC ART. 358.12.

ELECTRICAL SYMBOL LEGEND

BOXES & FITTINGS

J	CEILING MOUNTED JUNCTION BOX
J	WALL MOUNTED JUNCTION BOX , 18" A.F.F. OR AS OTHERWISE NOTED.
J	CEILING MOUNTED JUNCTION BOX, 12"X12"X6" DEEP UNLESS OTHERWISE INDICATED.
PB	PULLBOX, SIZED AS INDICATED OR AS REQUIRED BY N.E.C.

SYMBOL SUFFIXES

A.F.F.	ABOVE FINISHED FLOOR
C.B.	CIRCUIT BREAKER
CKT.	CIRCUIT
COND. OR C.	CONDUIT
E	EXISTING
E.C.	EMPTY CONDUIT
E.W.C.	ELECTRIC WATER COOLER
E.W.H.	ELECTRIC WATER HEATER
ENCL.	ENCLOSURE
F.A.	FIRE ALARM
GFI	GROUND FAULT INTERRUPTER.
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
PNL	PANEL
SW.	SWITCH
U.O.N.	UNLESS OTHERWISE NOTED
WP	INDICATES WEATHERPROOF NEMA 3R EQUIPMENT
MTD.	MOUNTED
*	FUSE AS PER MANUFACTURER'S RECOMMENDATION
MVD	MANUAL VOLUME DAMPER
AFI	ARC FAULT INTERRUPTER

PANELBOARDS

	POWER, LIGHTING OR DISTRIBUTION PANELBOARD. (NEW)
T	TRANSFORMER WALL OR FLOOR MOUNTED; SIZE AND MOUNTING AS INDICATED ON DWGS.

FIRE ALARM

SD	SMOKE DETECTOR, 120V TYPE WITH BATTERY BACK-UP, TANDEM CONNECTED, 3 FEET AWAY FROM ANY SUPPLY GRILL. PROTECTED BY AFI CIRCUIT
SD/CM	COMBINATION SMOKE/CARBON MONOXIDE DETECTOR, 120V TYPE WITH BATTERY BACKUP, TANDEM CONNECTED, 3 FEET AWAY FROM ANY SUPPLY GRILL. PROTECTED BY AFI CIRCUIT

LIGHTING

A	LIGHTING FIXTURE TYPE. SEE LTG. FIXTURE SCHEDULE THIS SHEET
2a	DOWNLIGHT 2 IS CIRCUIT NO;
	SURFACE OR PENDANT MOUNTED FLUORESCENT FIXTURE, ON NORMAL BRANCH CIRCUIT
	FLUORESCENT RECESSED OR LAY-IN FIXTURE, NORMAL BRANCH CIRCUIT
	PENDANT MTD. STRIP FLUORESCENT FIXTURE ON NORMAL BRANCH CIRCUIT
	OWNER PROVIDED LIGHT FIXTURE

RECEPTACLES

	120V.,1 PHASE, 60 HZ., 20 AMP. DUPLEX RECEPTACLE MTD.. 18" A.F.F.,
	SAME AS ABOVE EXCEPT MTD. AT 6" ABOVE COUNTER MOUNT RECEPTACLE HORIZONTALLY
	120v.,1 PHASE, 60 hz., 20 amp. DUAL DUPLEX RECEPTACLE MTD. 18" a.f.f.
2P-30	SPECIAL PURPOSE RECEPTACLE 2P. DENOTES POLES, 30 DENOTES AMPERAGE RATING
	120V.,1 PHASE, 60 HZ., 20 AMP. DUPLEX RECEPTACLE FLOOR MTD. BOX COVER TO BE DETERMINED BY ARCHITECT
	120V.,1 PHASE, 60 HZ., 20 AMP. SWITCH DUPLEX RECEPTACLE

SWITCHES

S_a	SINGLE POLE TOGGLE SWITCH, 20A., 120/277 VAC. MOUNTED 48" A.F.F. "a" SWITCH LEG.
S_3 S_4	THREE-WAY AND FOUR WAY TOGGLE SWITCHES 120/277 VAC. MOUNTED 48" A.F.F.
S_D	DIMMER SWITCH, 1000 WATTS MINIMUM UNLESS OTHERWISE NOTED. 48" A.F.F.
S_K	SINGLE POLE TOGGLE SWITCH 20 A. 120/277 VOLT WITH LOCKING COVER-HUBBEL CAT #96061DCH MTD. 48" A.F.F.
	DIMMING SYSTEM KEY PAD
S_P	SINGLE POLE LIGHTED HANDLE TOGGLE SWITCH. 20 A., 120/277 V.A.C. MOUNTED 48" A.F.F.
S_M	MANUAL MOTOR STARTER TOGGLE SWITCH WITH OVERLOADS. 48" A.F.F.
3P 60/50	SAFETY SWITCH, 3P = NO. OF POLES. 60 = SWITCH SIZE, 50 = FUSE SIZE.
CB 3P 100/70	ENCLOSED CIRCUIT BREAKER,3P = NO. OF POLES 100 = FRAME SIZE & 70 = TRIP RATING.

MOTORS & CONTROLS

5	MOTOR, 5 = 5 H.P. OR AS OTHERWISE INDICATED.
	MOTOR MAGNETIC STARTER.
L	MOTOR COMBINATION STARTER AND DISCONNECT.
T	THERMOSTAT
	EXHAUST FAN

MISCELLANEOUS

9	GROUND ROD BOX (BROOKS #36)
	"CRESTERON" LIGHT TOUCH CONTROL
	TELEPHONE OUTLET , 18" A.F.F. ROUTE 3/4" EMPTY CONDUIT UP TO CEILING
	TELEPHONE OUTLET 6" ABOVE COUNTER, ROUTE 3/4" EMPTY CONDUIT TO CEILING
	COMBINATION TELEPHONE/DATA OUTLET ROUTE 3/4" E.C. UP TO CEILING
	COMBINATION TELEPHONE/DATA OUTLET, FLOOR MTD ROUTE 3/4" E.C. UP TO CEILING
TV	TV OUTLET
L 101 / A-3	CRESTERON ZONE INDICATOR "101" DENOTES DIMMING ZONE, MODULE, "A-3" DENOTES PANEL CIRCUIT NO.

WIRING

A-1,3,5	HOMERUN TO PANEL "A".1-3-5 ARE CIRCUIT NO'S. TICKS ARE NO. OF CONDUCTORS (✓)INDICATES GROUND WIRE SIZED AS PER N.E.C. ART. 250.
	INDICATES A EXISTING CONDUIT RUN CONCEALED IN A CEILING OR WALL.
	INDICATES A CONDUIT RUN CONCEALED IN FLOOR. EMBEDDED IN CONCRETE OR UNDERGROUND.
	INDICATES AN EXISTING CONDUIT RUN.
	INDICATES A CAPPED CONDUIT.
	INDICATES A FLEXIBLE METAL CONDUIT CONNECTION. USE LIQUID TIGHT CONDUIT IN WET, DAMP OR OILY LOCATIONS.
	FLEXIBLE EQUIPMENT CONNECTION.
—G— G—	GROUNDING SYSTEM CONDUCTOR, BARE COPPER CONDUCTOR OR INSULATED CONDUCTOR IN CONDUIT AS INDICATED.
	CONDUIT RUN TURNED DOWN.
	CONDUIT RUN TURNED UP.
	CONDUIT EXPANSION JOINT

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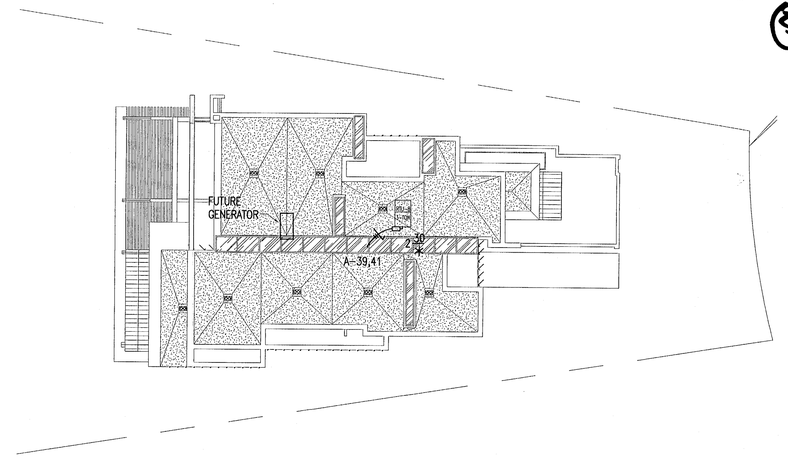
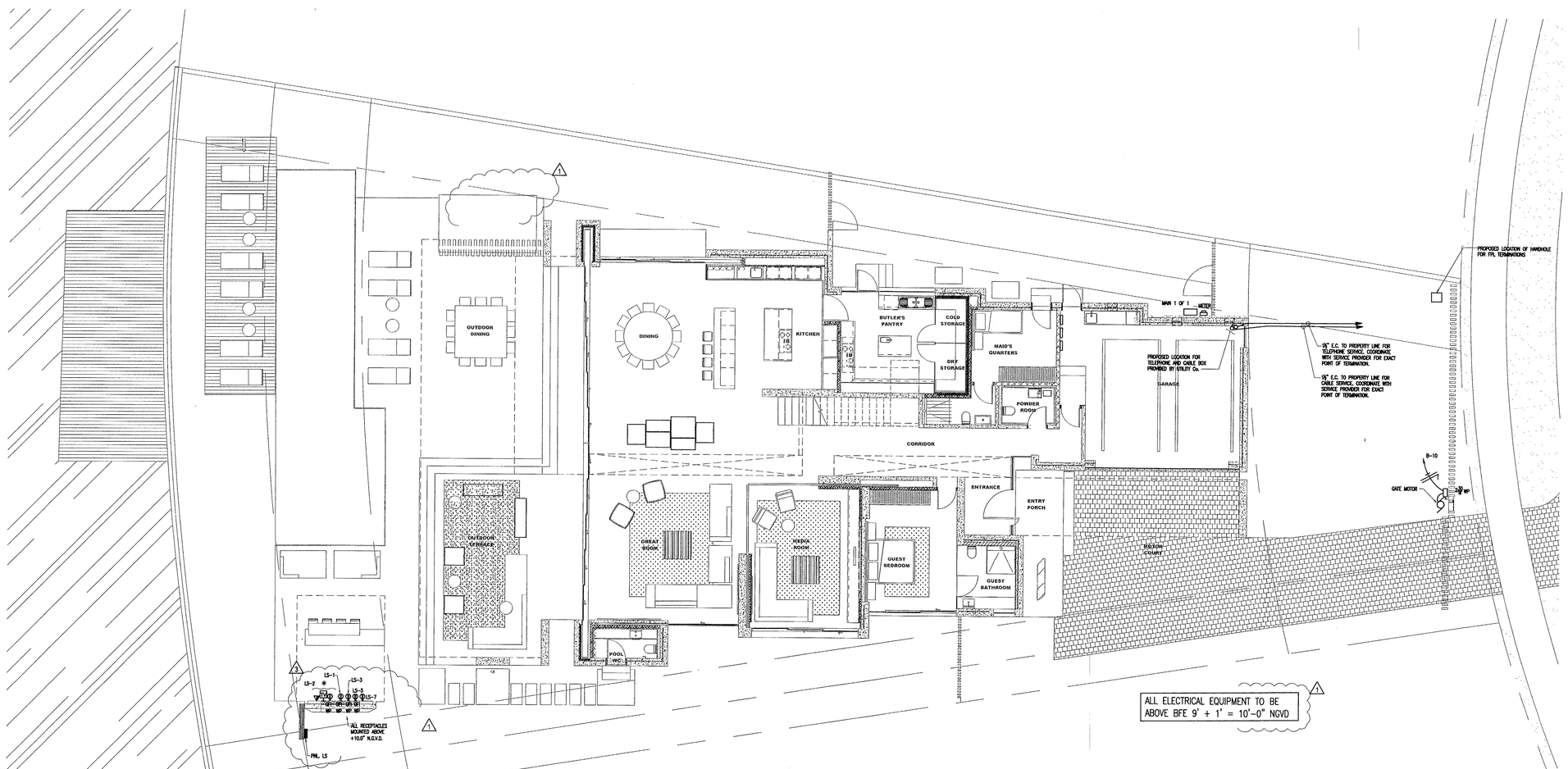


ELECTRICAL ROOF PLAN
1/16" = 1'-0"



ELECTRICAL SITE PLAN
3/16" = 1'-0"

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3 08.31.17 ENGINEERING COMMENT

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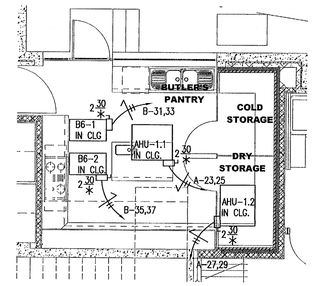
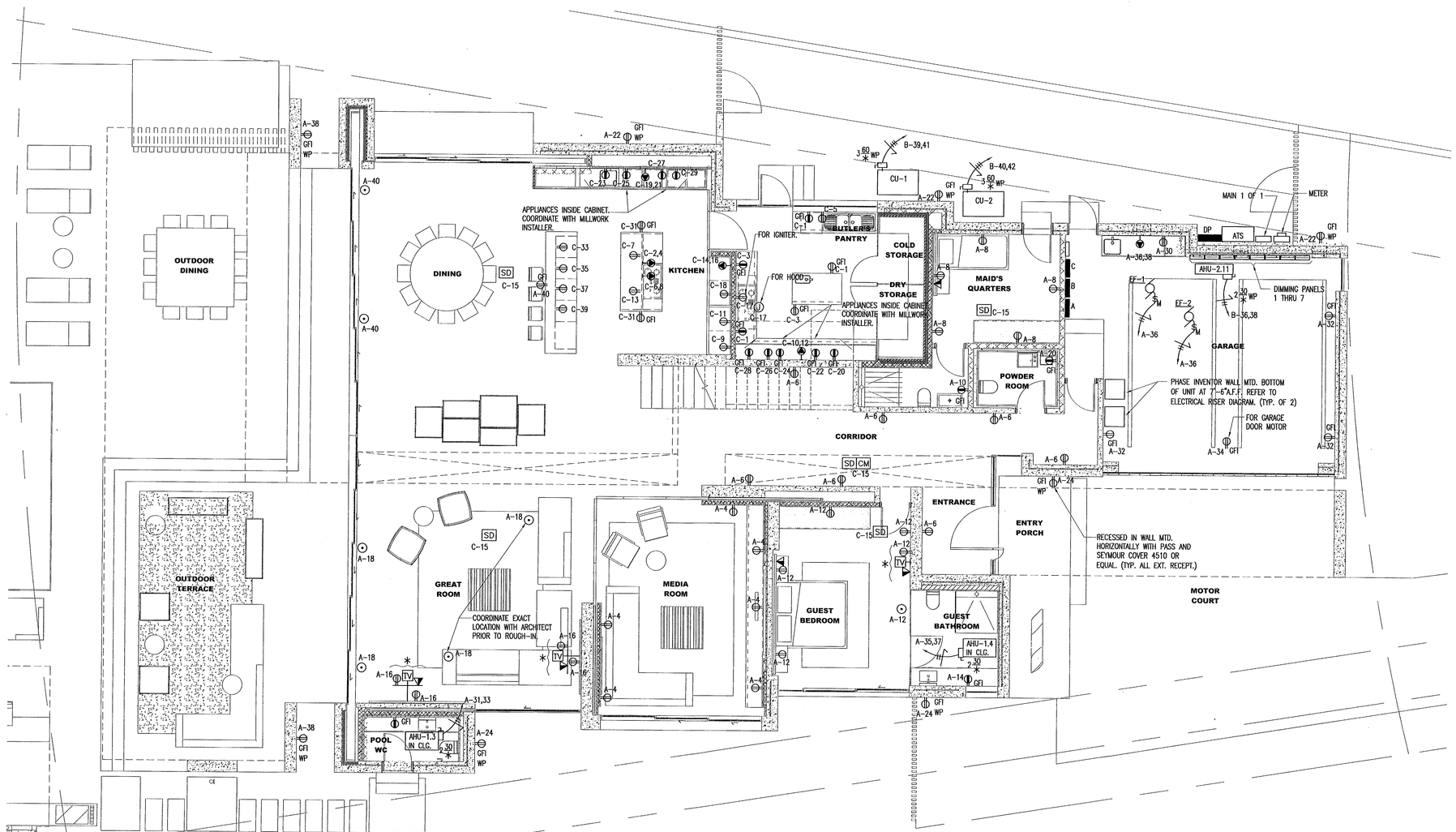


1 **KITCHEN AC PLAN**
3/16" = 1'-0"



1 **FIRST FLOOR ELECTRICAL PLAN**
3/16" = 1'-0"

* COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

ALL ELECTRICAL EQUIPMENT TO BE ABOVE BFE 9' + 1' = 10'-0" NGVD

NOTE:
ALL EXTERIOR DISCONNECTS TO BE NEMA 3X.

NOTE:
ALL EXTERIOR ELECTRICAL INSTALLATION TO COMPLY WITH NEC 110.11, 110.28, AND 358.12

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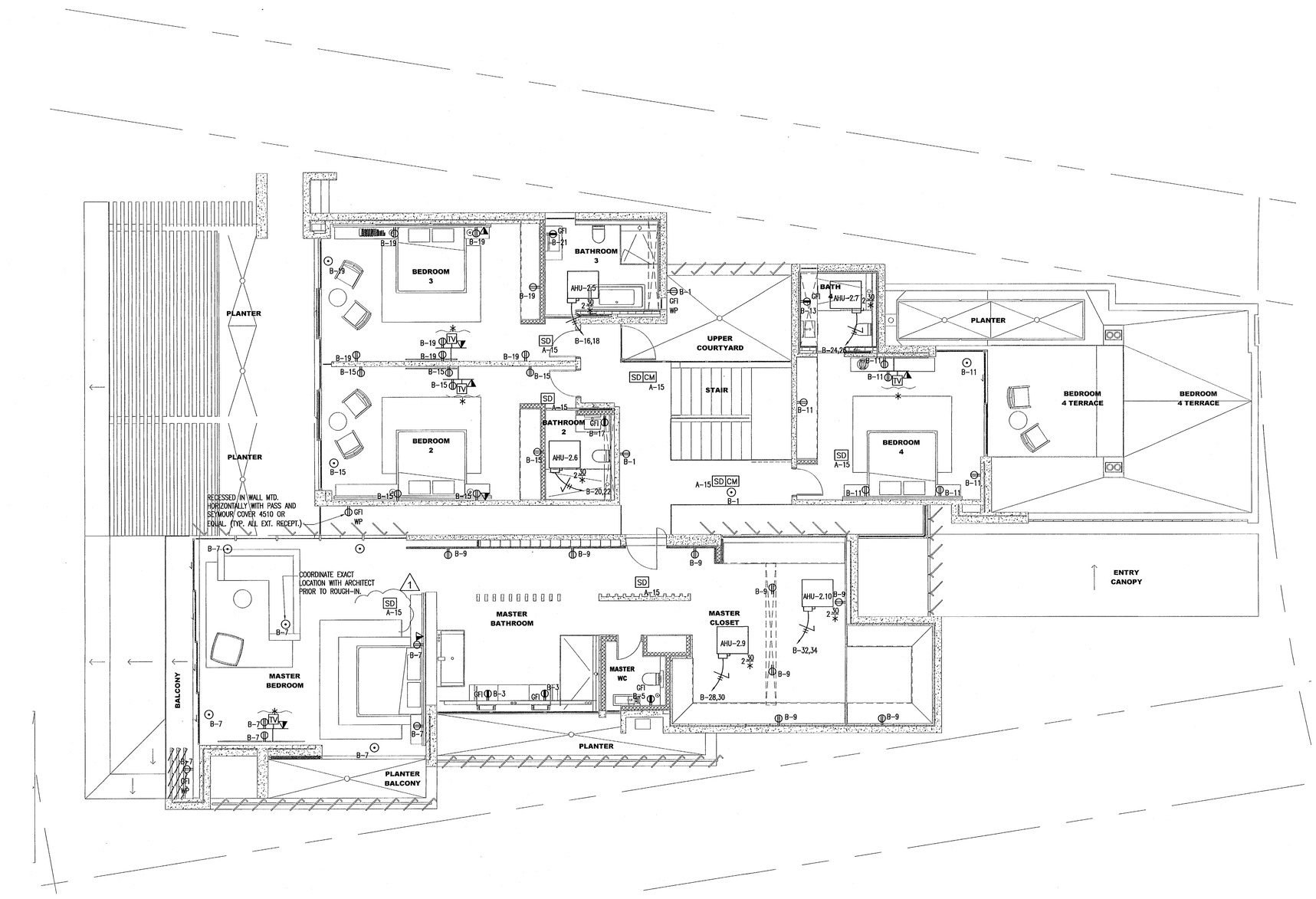

1 **SECOND FLOOR ELECTRICAL PLAN**
3/16" = 1'-0"

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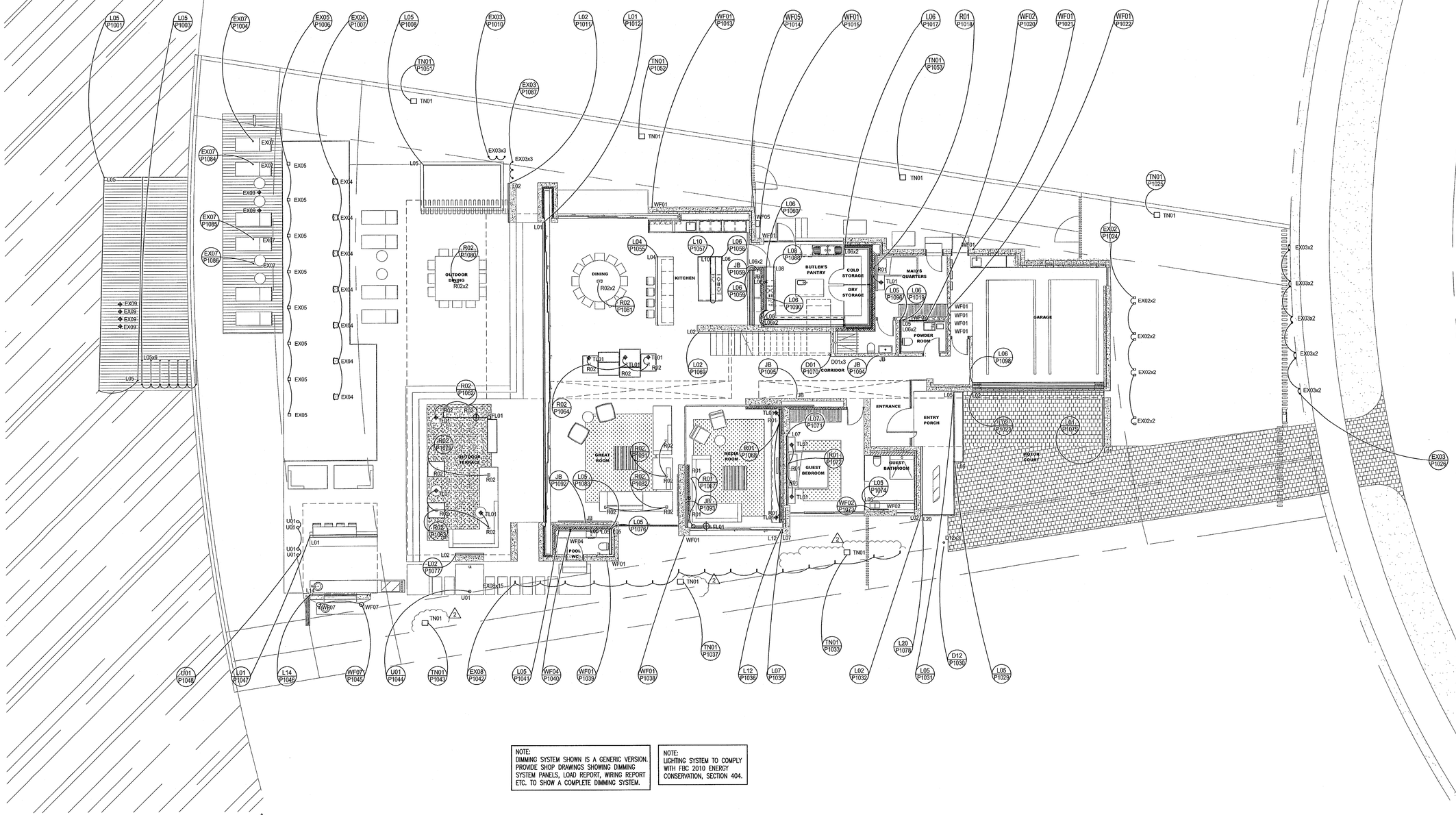

NOTE:
DIMMING SYSTEM SHOWN IS A GENERIC VERSION. PROVIDE SHOP DRAWINGS SHOWING DIMMING SYSTEM PANELS, LOAD REPORT, WIRING REPORT ETC. TO SHOW A COMPLETE DIMMING SYSTEM.

NOTE:
LIGHTING SYSTEM TO COMPLY WITH FBC 2010 ENERGY CONSERVATION, SECTION 404.

1 **FIRST FLOOR PLAN - RCP**
1/8" = 1'-0"

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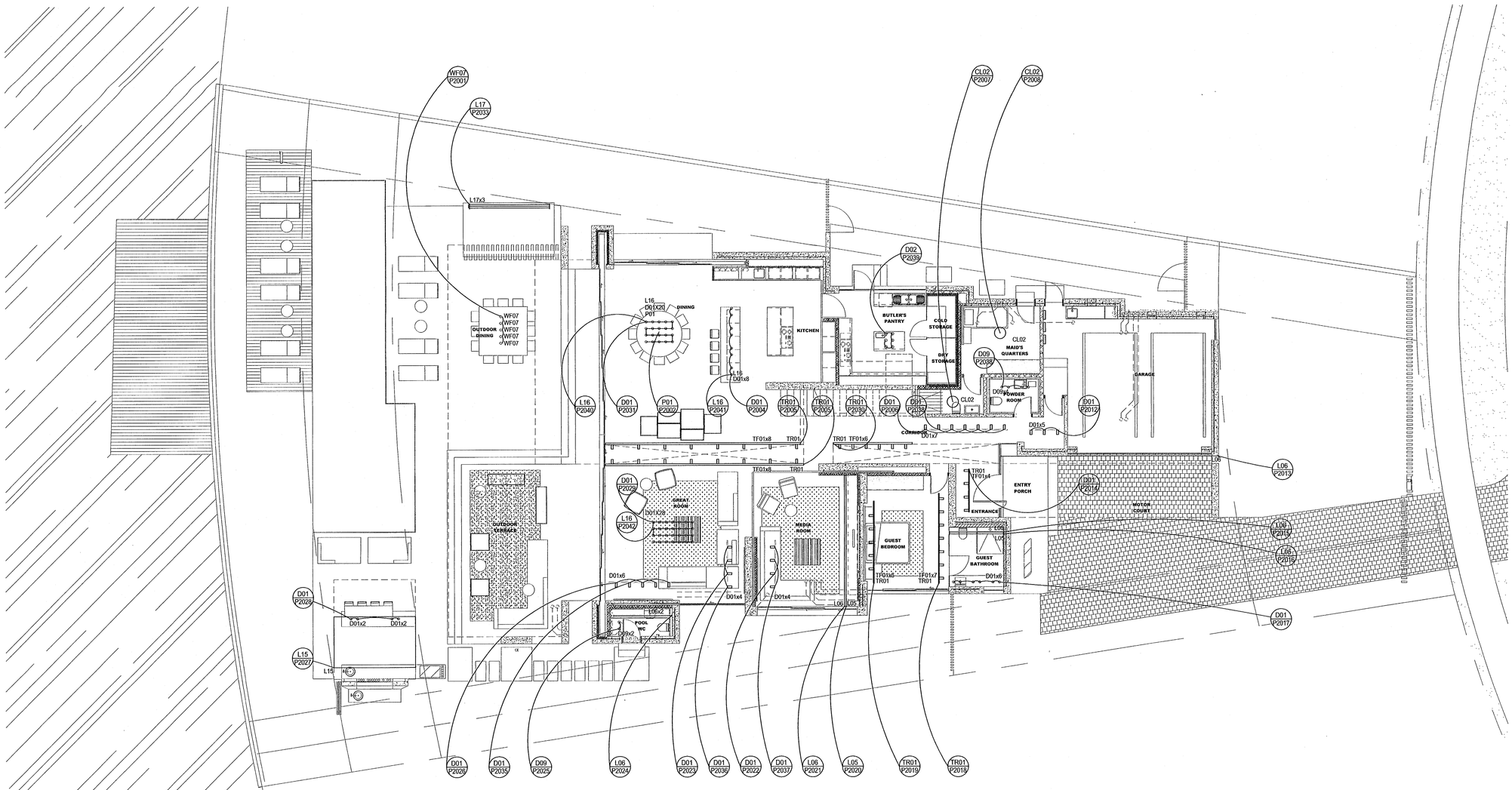

NOTE:
DIMMING SYSTEM SHOWN IS A GENERIC VERSION. PROVIDE SHOP DRAWINGS SHOWING DIMMING SYSTEM PANELS, LOAD REPORT, WIRING REPORT ETC. TO SHOW A COMPLETE DIMMING SYSTEM.

NOTE:
LIGHTING SYSTEM TO COMPLY WITH FBC 2010 ENERGY CONSERVATION, SECTION 404.

1

FIRST FLOOR GROUND LIGHTING PLAN
1/8" = 1'-0"

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

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28 W DILIDO RESIDENCE
28 WEST DILIDO DR.
MIAMI BEACH, FL 33139

seal

HENRY VIDAL, P.E.
PE # 56204

comm no.
1652

date:
02.03.2017

revised:
1 04.13.17 BLDG. DEPT.

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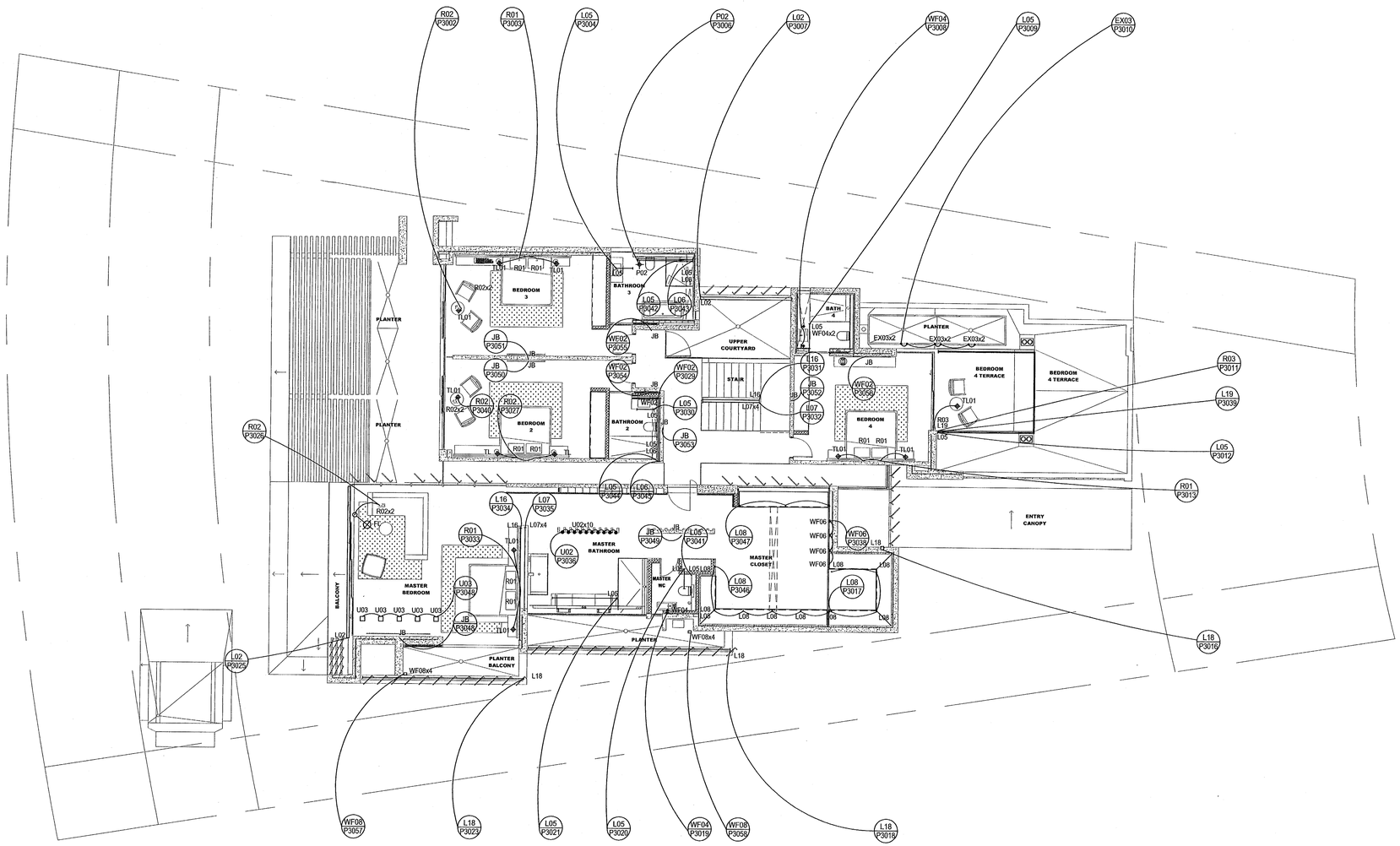

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NOTE:
LIGHTING SYSTEM TO COMPLY WITH FBC 2010 ENERGY CONSERVATION, SECTION 404.

1 **SECOND FLOOR PLAN - RCP**
1/8" = 1'-0"

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

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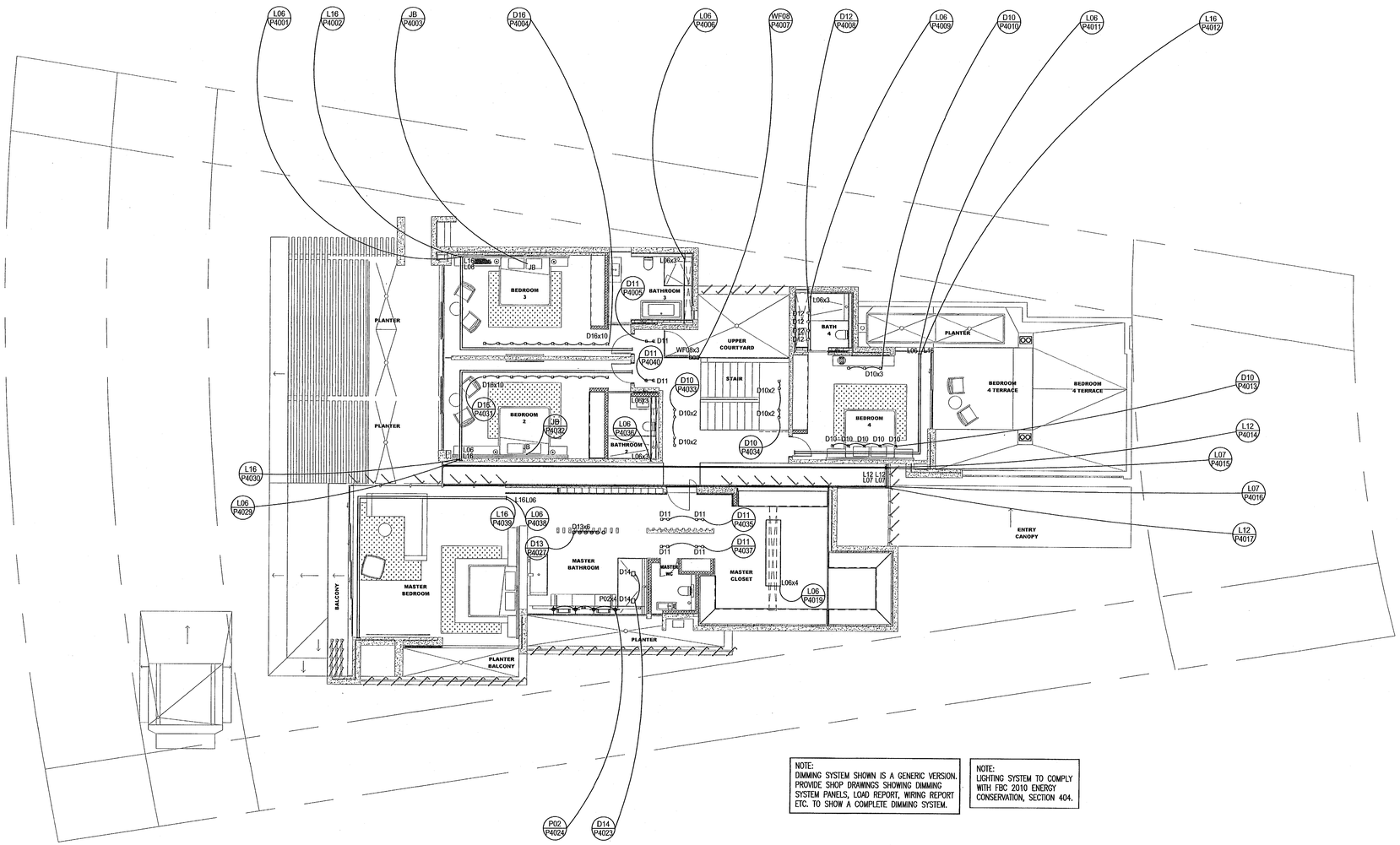

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NOTE:
LIGHTING SYSTEM TO COMPLY WITH FBC 2010 ENERGY CONSERVATION, SECTION 404.

1

SECOND FLOOR GROUND LIGHTING PLAN
1/8" = 1'-0"

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FPL

January 25, 2017

Hugo Olazabal
241 NW S River Dr
Miami, FL 33128

Re: Available Fault Current for 28 W Dilido Dr, Miami Beach

Dear Hugo Olazabal:

Thank you for contacting FPL about the available fault current at 28 W Dilido Dr, Miami Beach. Based on the plans you have provided dated January 24 2017, the maximum available fault current at the transformer secondary terminals is estimated to be 38620 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 15 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,

Scott F. Davis
Associate Engineer

Fault Current

Calculation of Fault Current
Fault SCA Source = TA Secondary
SCA Available = 38620
Length Units = Feet
System Voltage = 240
System Phase = 3 Phase

Transformers

	Name	PH	Size	Pri.V	Sec.V	%Z	SCA,3PH
TA	FPL	3-PH	45	13200	240	1.7	38620

	Name	Cond	Cable	Size	Qty	Feet	SCA,3PH
S/F	MAIN 1OF 1	PVC, ABS	1/c,CU	3/0	2	60	24,130

Main-Feeders

	Name	Cond	Cable	Size	Qty	Feet	SCA,3PH
F1	PANEL DP	PVC	1/c,CU	3/0	2	10	22,710

F1 Sub-Feeders

	Name	Cond	Cable	Size	Qty	Feet	SCA,3PH
S1	PANEL A	PVC	1/c,CU	2/0	1	25	16,716
S2	PANEL B	PVC	1/c,CU	3/0	1	25	17,547
S3	PANEL C	PVC	1/c,CU	3/0	1	25	17,547
S4	PANEL LN	PVC	1/c,CU	3/0	1	110	9,897
S5	PANEL LS	PVC	1/c,CU	4	1	140	3,246

DIST. PANEL-DP
NEMA 4X

120/240 VOLTS, 1 ø 3 WIRE – S/N
400 AMPS. ☐MAIN BKR. ☐MAIN SW. ■M.L.O.
■GND. FAULT PROT. ☐SHUNT-TRIP ■TOP OR ☐BOTTOM FED
25K AIC @ 240 VOLTS

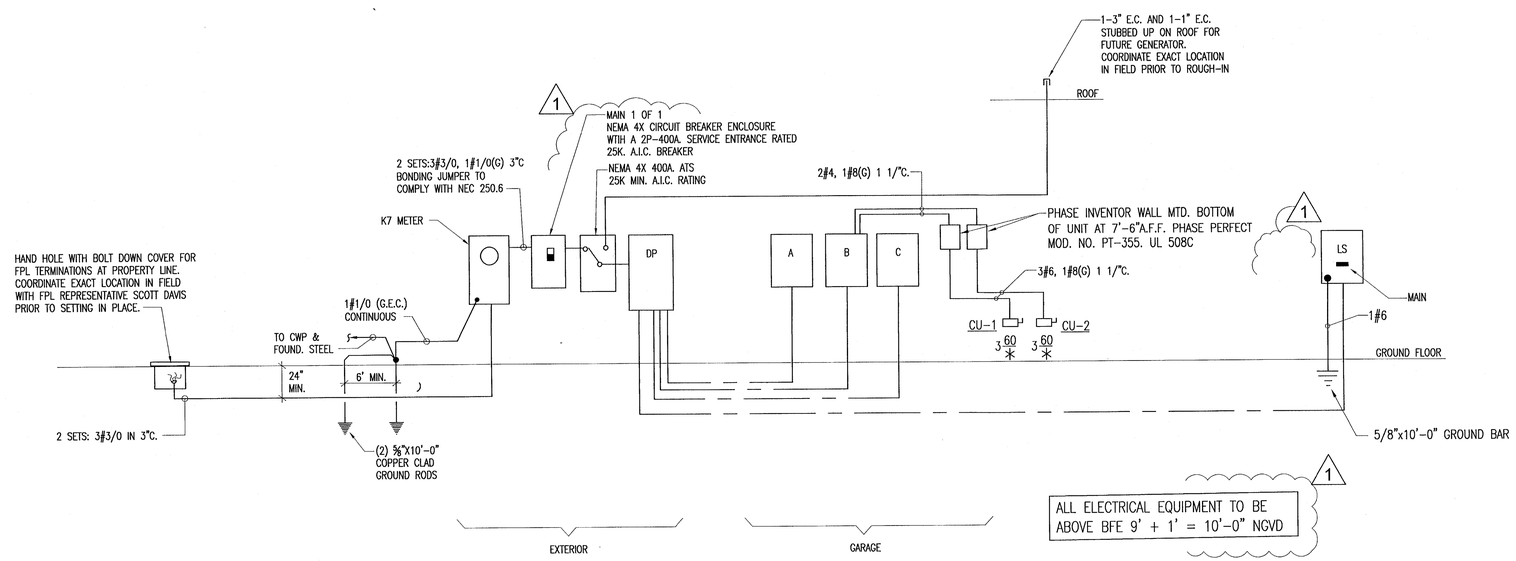
CKT NO.	DESCRIPTION OF LOAD	BRANCH SIZE (AMPS) NO. OF POLES	FRAME	TRIP	FEEDER SIZE WIRE	CONDUIT	KVA
1	PANEL "A"	2		175	3#2/0, 1#6 (G)	2"	33.1
2	PANEL "B"	2		200	3#3/0, 1#6 (G)	2"	39.8
3	PANEL "C"	2		200	3#3/0, 1#6 (G)	2"	38.8
4							
5	PANEL "LS" 1	2		60	3#4, 1#8 (G)	1 1/2"	3.3
6	SPACE	2	100				
7	SPACE	2	100				
8	SPACE	2	100				
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

TOTAL CONNECTED LOAD: (KVA) 116.8

SERVICE LOAD CALCULATION (N.E.C. 220.82)

TOTAL CONNECTED LOAD MINUS A/C	92.7A
FIRST 10K @ 100%	10.0
REST @ 40%	33.0
COOLING @ 100%	27.2
TOTAL LOAD	119.9 KVA

70.2 KVA ÷ 240 = 293 AMPS.
SERVICE RATED FOR 400 AMPS



ALL ELECTRICAL EQUIPMENT TO BE ABOVE BFE 9' + 1' = 10'-0" NGVD

ELECTRICAL RISER DIAGRAM
N.T.S.

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PE # 56204

comm no.
1652

date:
02.03.2017

revised:
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PANEL-A

LOCATION: ■ FLUSH ☐ TOP FEED ☐ SURFACE ■ BOTTOM FEED

120/240 VOLTS, 1 ø 3 WIRE; 225 AMP BUS; ■ GROUND BUS; ■ LUGS ONLY; NEMA 1; ■ NEUTRAL; ■ FULL; ☐ 50%; ☐ 200%; ☐ MAIN BKR. FRAME - A. TRIP - A. ☐ SHUNT TRIP; @ 18K AIC 240 VOLTS

LOAD DESCRIPTION	WIRE & CONDUIT	POLE	AMP TRIP	CKT. K.V.A.	CKT No.	LOAD(KVA) ØA	LOAD(KVA) ØB	CKT No.	CKT. K.V.A.	AMP TRIP	POLE	WIRE & CONDUIT	LOAD DESCRIPTION	
DIMMING PNL. 3	#6, 1"	2	60	1.3	1	2.1		2	0.8	20	1		SPARE	
				1.3	3		1.7	4	0.4	20	1	#12, 1/2"	RECEPTACLE - MEDIA	*
DIMMING PNL. 4	#6, 1"	2	60	1.3	5	1.7		6	0.4	20	1		RECEPTACLE - MEDIA	*
				1.3	7		1.7	8	0.4	20	1		RECEPTACLE - BED 6	*
DIMMING PNL. 7	#6, 1"	2	60	1.3	9	1.7		10	0.4	20	1		RECEPTACLE - BATH	
				1.3	11		1.7	12	0.4	20	1		RECEPTACLE - BED 5	*
SPARE		1	20	0.4	13	0.8		14	0.4	20	1		RECEPTACLE - BATH	
		1	20	0.4	15		0.8	16	0.4	20	1		RECEPTACLE - GREAT ROOM	*
		1	20	0.4	17	0.8		18	0.4	20	1		RECEPTACLE - GREAT ROOM	*
SPACE					19		0.4	20	0.4	20	1		RECEPTACLE - POWDER	
					21	0.4		22	0.4	20	1	#10, 3/4"	RECEPTACLE - EXTERIOR	
AHU-1.1	#12, 3/4"	2	15	0.2	23		0.6	24	0.4	20	1	#10, 3/4"	RECEPTACLE - EXTERIOR	
				0.2	25	2.7		26	2.5	30	2	#10, 3/4"	DRYER	
AHU-1.2	#12, 3/4"	2	15	0.2	27		2.7	28	2.5					
				0.2	29	1.7		30	1.5	20	1	#12, 1/2"	WASHER	
AHU-1.3	#12, 3/4"	2	15	0.2	31		0.6	32	0.4	20	1		RECEPTACLE - GARAGE	
				0.2	33	0.6		34	0.4	20	1		RECEPTACLE - DOOR MOTOR	
AHU-1.4	#12, 3/4"	2	15	0.2	35		0.6	36	0.4	20	1	#12, 1/2"	EF. 1 & 2	
				0.2	37	1.2		38	1.0	20	1	#10, 3/4"	RECEPTACLE - EXTERIOR	
RTU-8	#10, 3/4"	2	25	1.8	39		4.3	40	2.5	30	1	#10, 3/4"	RECEPTACLE - DINING	*
				1.8	41	4.3		42	2.5				SPACE	
						18	15.1							

TOTAL CONNECTED LOAD: 33.1 KVA; 138 AMPS.

NOTES:

* PROVIDE COMBINATION ARC-FAULT CIRCUIT BREAKER.

1

PANEL-B

LOCATION: ■ FLUSH ☐ TOP FEED ☐ SURFACE ■ BOTTOM FEED

120/240 VOLTS, 1 ø 3 WIRE; 225 AMP BUS; ■ GROUND BUS; ■ LUGS ONLY; NEMA 1; ■ NEUTRAL; ■ FULL; ☐ 50%; ☐ 200%; ☐ MAIN BKR. FRAME - A. TRIP - A. ☐ SHUNT TRIP; @ 18K AIC 240 VOLTS

LOAD DESCRIPTION	WIRE & CONDUIT	POLE	AMP TRIP	CKT. K.V.A.	CKT No.	LOAD(KVA) ØA	LOAD(KVA) ØB	CKT No.	CKT. K.V.A.	AMP TRIP	POLE	WIRE & CONDUIT	LOAD DESCRIPTION
* RECEPTACLE - GALLERY	#12, 1/2"	1	20	0.4	1	1.7		2	1.3	60	2	#6, 1"	DIMMING PNL. 1
RECEPTACLE - MASTER BATH				0.4	3		1.7	4	1.3				
RECEPTACLE - MASTER BATH				0.4	5	1.7		6	1.3	60	2	#6, 1"	DIMMING PNL. 2
* RECEPTACLE - MASTER SUITE				0.4	7		1.7	8	1.3				
* RECEPTACLE - MASTER SUITE				0.4	9	0.4		10	0.9	20	1	#12, 3/4"	GATE MOTOR
* RECEPTACLE - BED 4				0.4	11		0.4	12					SPACE
RECEPTACLE - BATH				0.4	13	0.4		14					
* RECEPTACLE - BED 2				0.4	15		0.6	16	0.2	15	2	#12, 3/4"	AHU- 2.5
RECEPTACLE - BATH				0.4	17	0.6		18	0.2				
* RECEPTACLE - BED 3				0.4	19		0.6	20	0.2	15	2	#12, 3/4"	AHU- 2.6
RECEPTACLE - BATH				0.4	21	0.6		22	0.2				
SPACE		1	20	0.4	23		0.6	24	0.2	15	2	#12, 3/4"	AHU- 2.7
		1	20	0.4	25	0.6		26	0.2				
		1	20	0.4	27		0.6	28	0.2	15	2	#12, 3/4"	AHU- 2.9
		1	20	0.4	29	0.6		30	0.2				
BS-1	#12, 3/4"	2	15	0.2	31		0.4	32	0.2	15	2	#12, 3/4"	AHU- 2.10
				0.2	33	0.4		34	0.2				
BS-2	#12, 3/4"	2	15	0.2	35		0.4	36	0.2	15	2	#12, 3/4"	AHU- 2.11
				0.2	37	0.4		38	0.2				
CU-1 VIA PHASE INVERTER	#4, 1-1/4"	2	80	6.4	39		13.6	40	7.2	80	2	#4, 1-1/4"	CU-2 VIA PHASE INVERTER
				6.4	41	13.6		42	7.2				
						20.1	19.7						

TOTAL CONNECTED LOAD: 39.8 KVA; 166 AMPS.

NOTES:

* PROVIDE COMBINATION ARC-FAULT CIRCUIT BREAKER.

PANEL-C

LOCATION: ☐ FLUSH ☐ TOP FEED ■ SURFACE ■ BOTTOM FEED

120/240 VOLTS, 1 ø 3 WIRE; 225 AMP BUS; ■ GROUND BUS; ■ LUGS ONLY; NEMA 1; ■ NEUTRAL; ■ FULL; ☐ 50%; ☐ 200%; ☐ MAIN BKR. FRAME - A. TRIP - A. ☐ SHUNT TRIP; @ 18K AIC 240 VOLTS

LOAD DESCRIPTION	WIRE & CONDUIT	POLE	AMP TRIP	CKT. K.V.A.	CKT No.	LOAD(KVA) ØA	LOAD(KVA) ØB	CKT No.	CKT. K.V.A.	AMP TRIP	POLE	WIRE & CONDUIT	LOAD DESCRIPTION
SMALL APPL.	#12, 1/2"	1	20	1.5	1	3.0		2	1.5	30	2	#10, 3/4"	INDUCTION
SMALL APPL.		1	20	1.5	3		3.0	4	1.5				
DISHWASHER		1	20	1.2	5	2.7		6	1.5	30	2	#10, 3/4"	OVEN
WINE COOLER		1	20	0.7	7		2.2	8	1.5				
REFRIG.		1	20	1.5	9	2.5		10	1.0	20	2	#12, 3/4"	COFFEE
FREEZER		1	20	1.5	11		2.5	12	1.0				
WINE COOLER		1	20	0.7	13	2.2		14	1.5	30	2	#10, 3/4"	OVEN
* SMOKE DETECTOR		1	20	0.4	15		1.9	16	1.5				
HOOD/PILOT		1	20	0.6	17	1.8		18	1.2	20	1	#12, 1/2"	MICROWAVE
COFFEE	#12, 3/4"	2	20	1.0	19		1.7	20	0.7	20	1		MICROWAVE
				1.0	21	1.7		22	0.7	20	1		TOASTER
TOASTER	#12, 1/2"	1	20	0.7	23		1.4	24	0.7	20	1		BLENDER
BLENDER		1	20	0.7	25	1.4		26	0.7	20	1		JUICER
JUICER		1	20	0.7	27		1.4	28	0.7	20	1		KETTLE
KETTLE		1	20	0.7	29	0.7		30					SPACE
SMALL APPL.		1	20	1.5	31		1.5	32					
WINE		1	20	0.7	33	0.7		34					
WINE		1	20	0.7	35		2.0	36	1.3	60	2	#6, 1"	DIMMING PNL. 5
FRIDGE		1	20	0.7	37	2.0		38	1.3				
FRIDGE		1	20	0.7	39		2.0	40	1.3	60	2	#6, 1"	DIMMING PNL. 6
SPACE					41	1.3		42	1.3				
						20.8	18.0						

1

TOTAL CONNECTED LOAD: 38.8 KVA; 162 AMPS.

NOTES:

* PROVIDE COMBINATION ARC-FAULT CIRCUIT BREAKER.

PANEL-LS

LOCATION: ☐ FLUSH ☐ TOP FEED ■ SURFACE ■ BOTTOM FEED

120/240 VOLTS, 1 ø 3 WIRE; 225 AMP BUS; ■ GROUND BUS; ☐ LUGS ONLY; NEMA 4x; ■ NEUTRAL; ■ FULL; ☐ 50%; ☐ 200%; ■ MAIN BKR. FRAME - A. TRIP 60 A. ☐ SHUNT TRIP; @ 10K AIC 240 VOLTS

LOAD DESCRIPTION	WIRE & CONDUIT	POLE	AMP TRIP	CKT. K.V.A.	CKT No.	LOAD(KVA) ØA	LOAD(KVA) ØB	CKT No.	CKT. K.V.A.	AMP TRIP	POLE	WIRE & CONDUIT	LOAD DESCRIPTION
ICE MACH.	#12, 1/2"	1	20	0.7	1	1.1		2	0.4	20	1	#12, 1/2"	RECEPT. - CONVENIENCE
ICE MACHINE		1	20	0.7	3		0.7	4	1.2	20	1	#12, 1/2"	HOT WATER HEATER
U.C. REFRIG.		1	20	0.7	5	0.7		6					SPACE
U.C. REFRIG.		1	20	0.7	7		0.7	8					
SPARE		1	20	0.4	9	0.4		10					
		1	20	0.4	11		0.4	12					
						2.2	1.5						

1

TOTAL CONNECTED LOAD: 4.0 KVA; 17 AMPS.

NOTES:

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VIDALENGINEERING.COM

sheet no.
E-8.0

NEW RESIDENCE AT
28 W DILIDO DR.

28 W DILIDO DR.

MIAMI BEACH, FLORIDA

PROJECT DATA

LEGAL DESCRIPTION:
LOT 11, IN BLOCK 1, OF "DI LIDO", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 6, PAGE 36 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA, TOGETHER WITH AN 8 FOOT STRIP OF LAND CONTIGUOUS TO THE SOUTHWESTERLY BOUNDARY LINE OF LOT 11, BLOCK 1 OF " DI LIDO", LYING BETWEEN THE SOUTHWESTERLY EXTENSIONS OF THE SOUTHEAST BOUNDARY LINE OF LOT 11 AND THE NORTHWEST LINE OF LOT 11, TOGETHER WITH ALL COMMON LAW AND STATUTORY RIPARIAN RIGHTS INCLUDING WATER PRIVILEGES APPURTENANT, ADJACENT AND BELONGING THERETO.

SCOPE OF WORK:
CONSTRUCTION OF A NEW 2-STORY CBS RESIDENCE IN MIAMI BEACH, INCLUDING NEW POOL AND DECK, GARAGE, DRIVEWAY AND SITE IMPROVEMENTS.

OCCUPANCY TYPE:
R-3

INDEX OF DRAWINGS

~~A-COVER COVER SHEET~~
A-F.O. DRB FINAL ORDER 4
~~A-INDEX INDEX OF DRAWINGS~~
A-NOTES GENERAL NOTES
A-0.1 SURVEY
A-0.2 SITE PLAN
A-0.3 ZONING CALC. & AREAS

CIVIL

C100 GENERAL NOTES AND SPECIFICATIONS
C200 PAVING, GRADING AND DRAINAGE PLAN
C300 WATER AND SEWER PLAN
C400 DRAINGE DETAILS
C500 SEDIMENTATION AND EROSION CONTROL PLAN
C600 SEDIMENTATION AND EROSION CONTROL NOTES

LANDSCAPING

L-1 EXISTING TREE SUVEY + DISPOSITION PLAN
L-2 LANDSCAPE PLAN
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L-4 IRRIGATION PLAN

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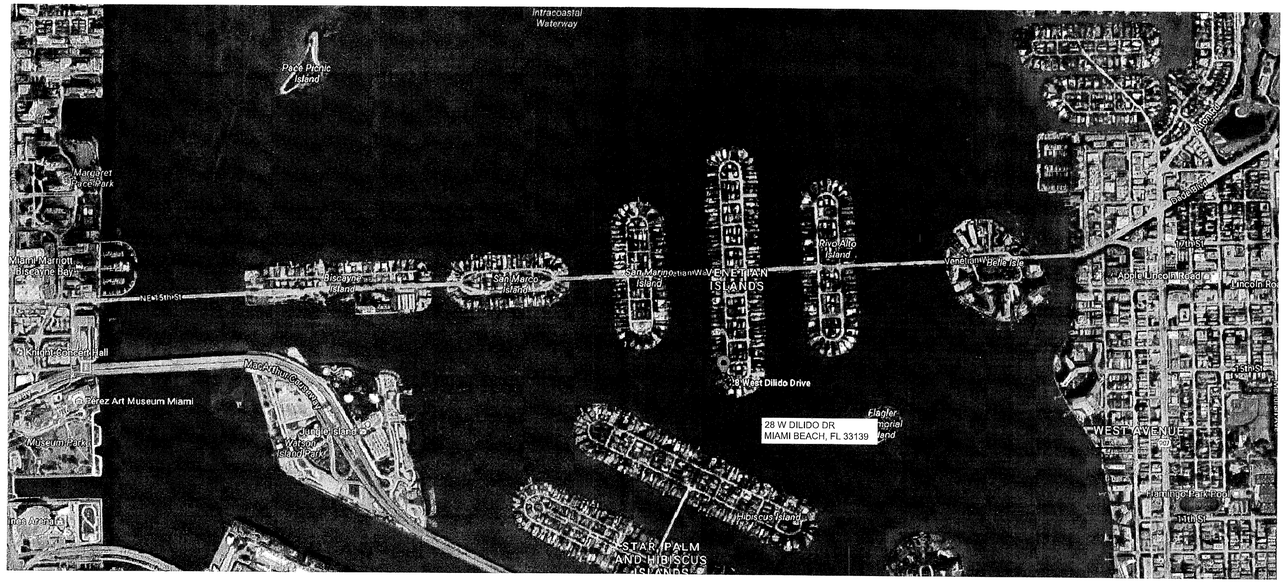

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LOCATION MAP
SCALE: NTS

MIAMIBEACH
REVIEWED FOR
CODE COMPLIANCE

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seal

AUG 22 2017

Raphael Levy
registered architect
AR0094779

comm no.
1652

date:
2/1/17

revised:
4 08/22/17
B.D. COMMENTS

sheet no.
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MIAMI BEACH
REVIEWED FOR
CODE COMPLIANCE

NEW RESIDENCE AT
28 W DILIDO DR.

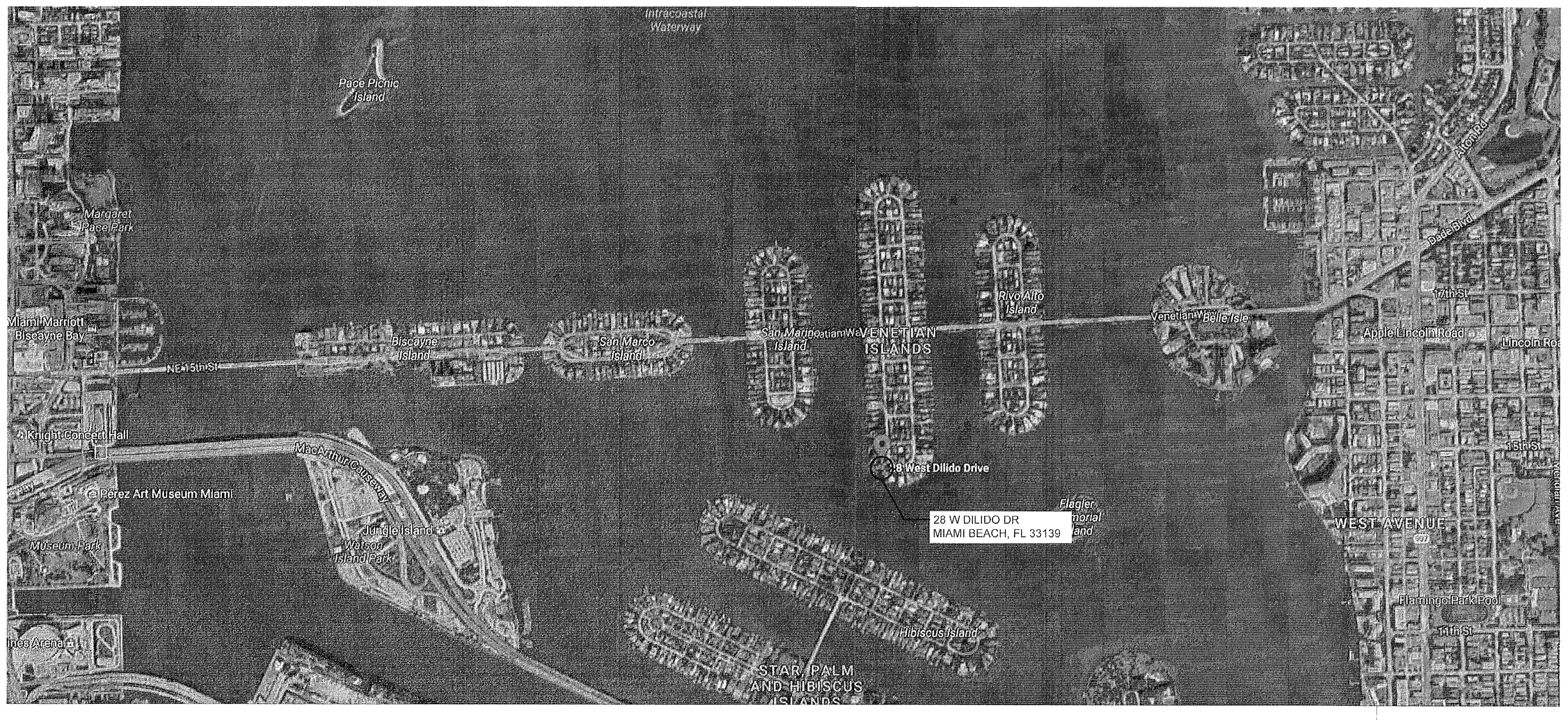
28 W DILIDO DR. MIAMI BEACH, FLORIDA

PROJECT DATA

LEGAL DESCRIPTION:
LOT 11, IN BLOCK 1, OF "DI LIDO", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 6, PAGE 36 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA, TOGETHER WITH AN 8 FOOT STRIP OF LAND CONTIGUOUS TO THE SOUTHWESTERLY BOUNDARY LINE OF LOT 11, BLOCK 1 OF " DI LIDO", LYING BETWEEN THE SOUTHWESTERLY EXTENSIONS OF THE SOUTHEAST BOUNDARY LINE OF LOT 11 AND THE NORTHWEST LINE OF LOT 11, TOGETHER WITH ALL COMMON LAW AND STATUTORY RIPARIAN RIGHTS INCLUDING WATER PRIVILEGES APPURTENANT, ADJACENT AND BELONGING THERETO.

SCOPE OF WORK:
CONSTRUCTION OF A NEW 2-STORY CBS RESIDENCE IN MIAMI BEACH, INCLUDING NEW POOL AND DECK, GARAGE, DRIVEWAY AND SITE IMPROVEMENTS.

OCCUPANCY TYPE:
R-3



LOCATION MAP
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