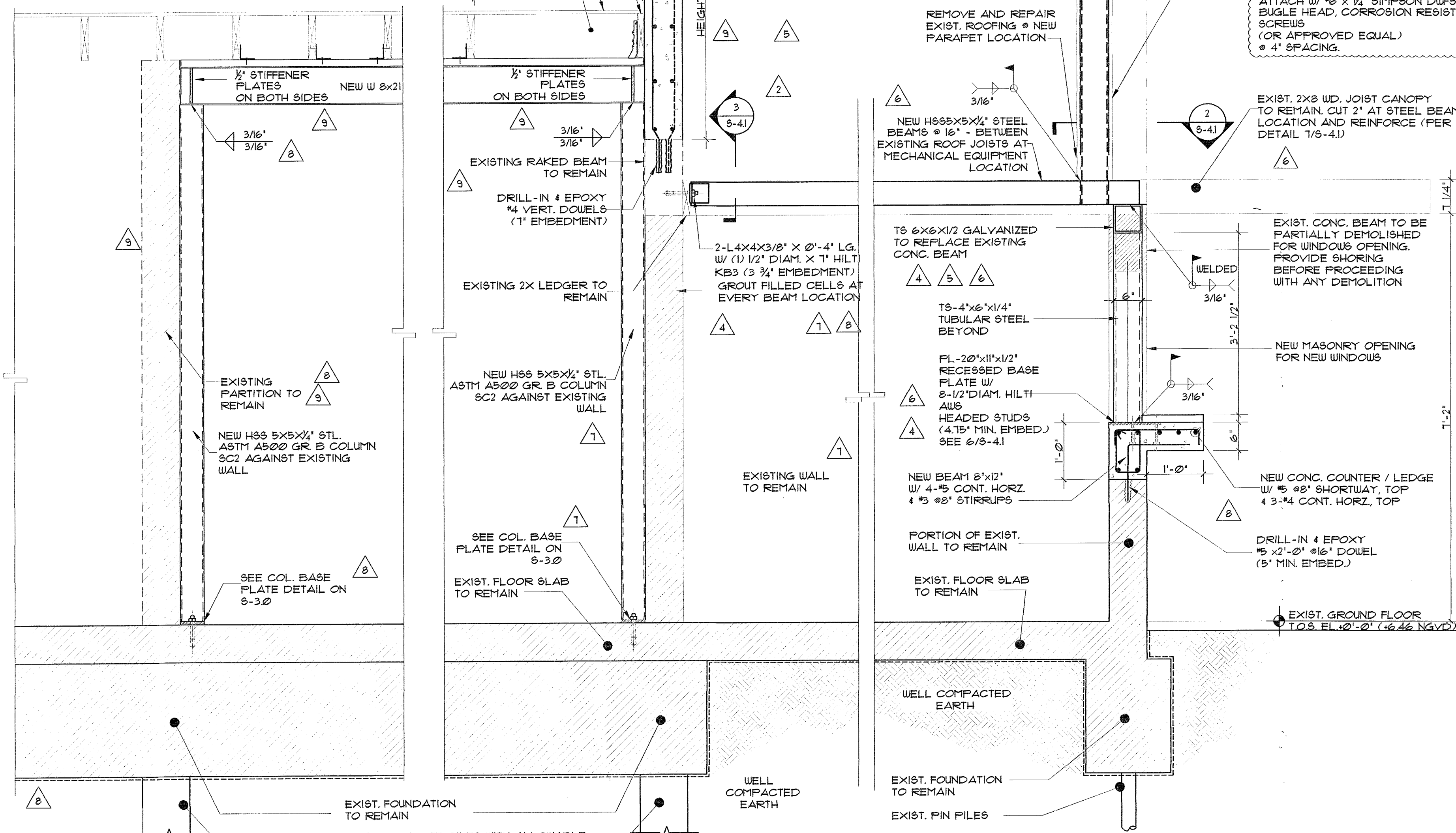


NEW ROOF TOP EXISTING LUMBER JOISTS
 PROVIDE 6 SUPPORTING LEGS FOR EACH SMOG-HOG AND SUPPLY FAN UNITS
 PROVIDE 4 SUPPORTING LEGS FOR EACH CONDENSING UNIT AND COMPRESSOR
 EACH HOOD TO BE CONNECTED TO STEEL STRUCTURE BY 6 HANGERS
 NEW STEEL FRAMING AND CONNECTIONS DESIGNED TO RESIST A MAX. CONCENTRATED COMPRESSION
 FORCE OF 4.6 KIPS AND MAX. CONCENTRATED TENSION FORCE OF 4.3 KIPS RESULTING FROM
 OVERTURNING MOMENTS
 WIND CALCULATIONS PER ASCE 7-10 AND FBC-16/2013 - ROOFTOP STRUCTURES AND EQUIPMENT
 WIND PRESSURE FOR ROOFTOP EQUIPMENT SUPPORT-238 PSF
 CONNECTION OF MECHANICAL EQUIPMENT TO STEEL STRUCTURE BY SPECIALTY ENGINEER
 ALL STEEL MEMBERS TO BE GALVANIZED

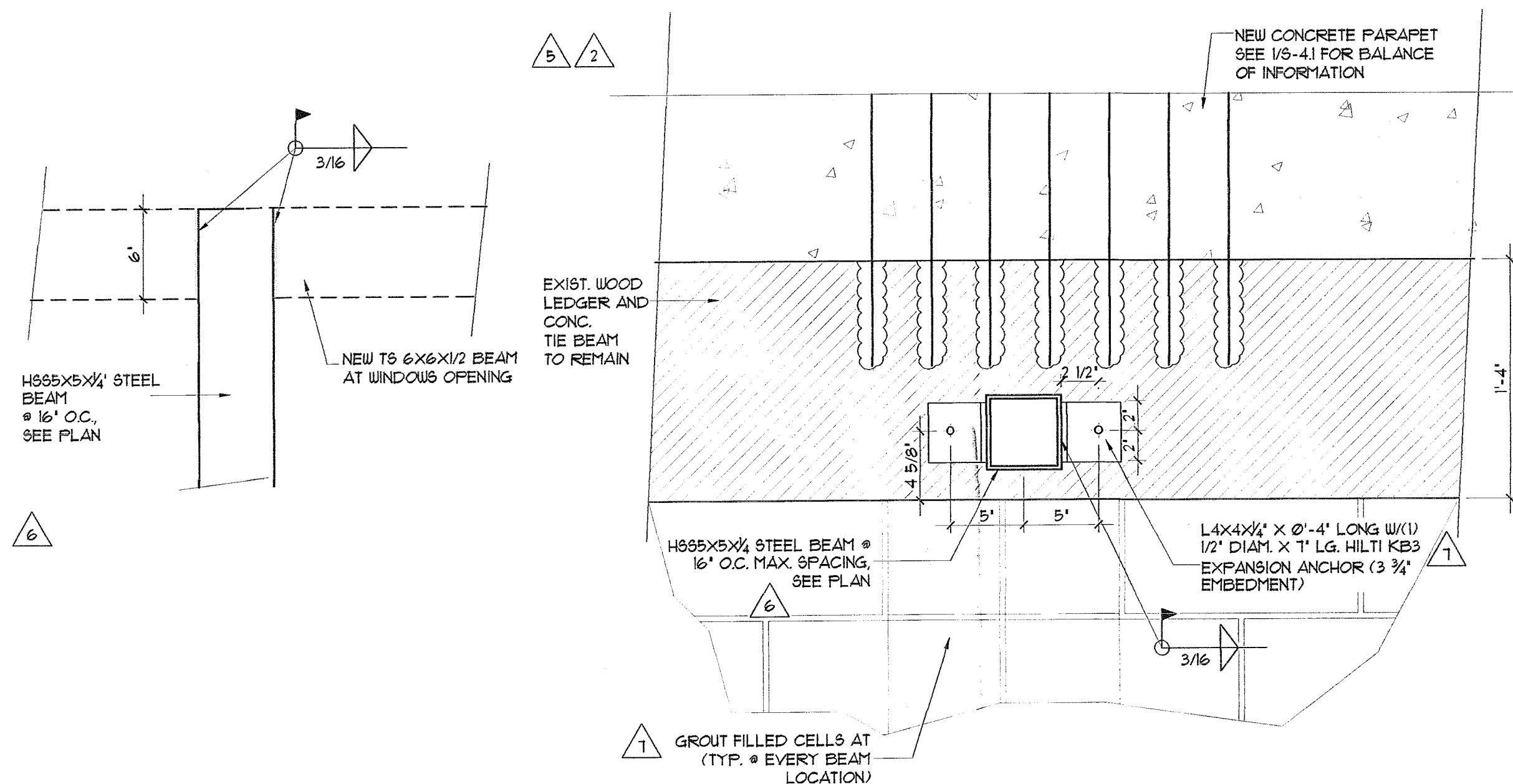
EXPLORATORY DEMOLITION REQUIRED FOR AN
 IN-DEPTH DETERMINATION OF EXIST. FRAMING.
 PROVIDE SHORING UNTIL DETERMINATION IS
 COMPLETE.

PROVIDE 2-2X10 S.P. FT LEDGER W/ 3/8" DIAM.
 X 6" LG. HILTI KB3 EXPANSION ANCHORS @ 16"
 C/C. AND SIMPSON HANGER REF. L1020
 W/10-102 TO HEADER AND 6-102X45 TO
 EXISTING JOISTS
 EXIST. ROOF COVERING TO REMAIN
 EXIST. ROOF FRAMING TO REMAIN



SECTIONAL DETAIL

SCALE: 3/4"=1'-0"



DETAIL

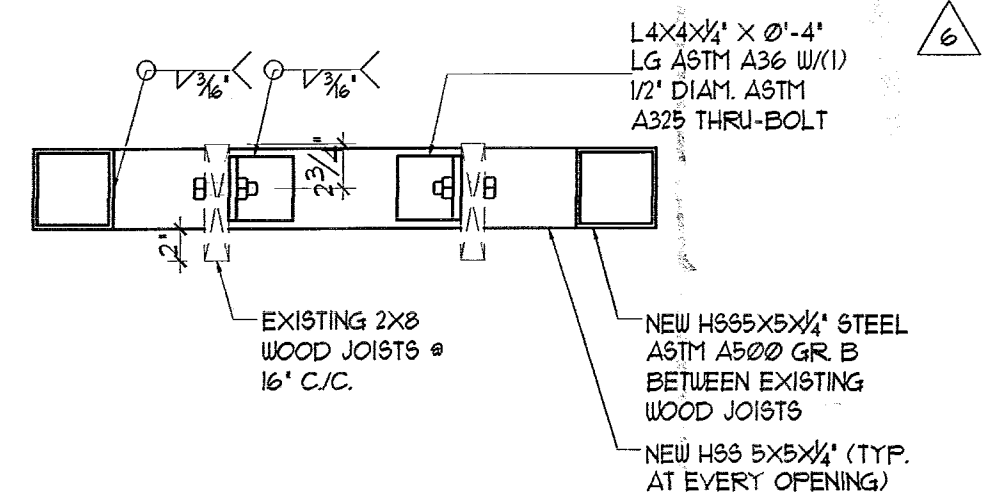
SCALE: 1/2"=1'-0"

DETAIL

SCALE: 1/2"=1'-0"

JOIST CONNECTION

SCALE: 3/4"=1'-0"

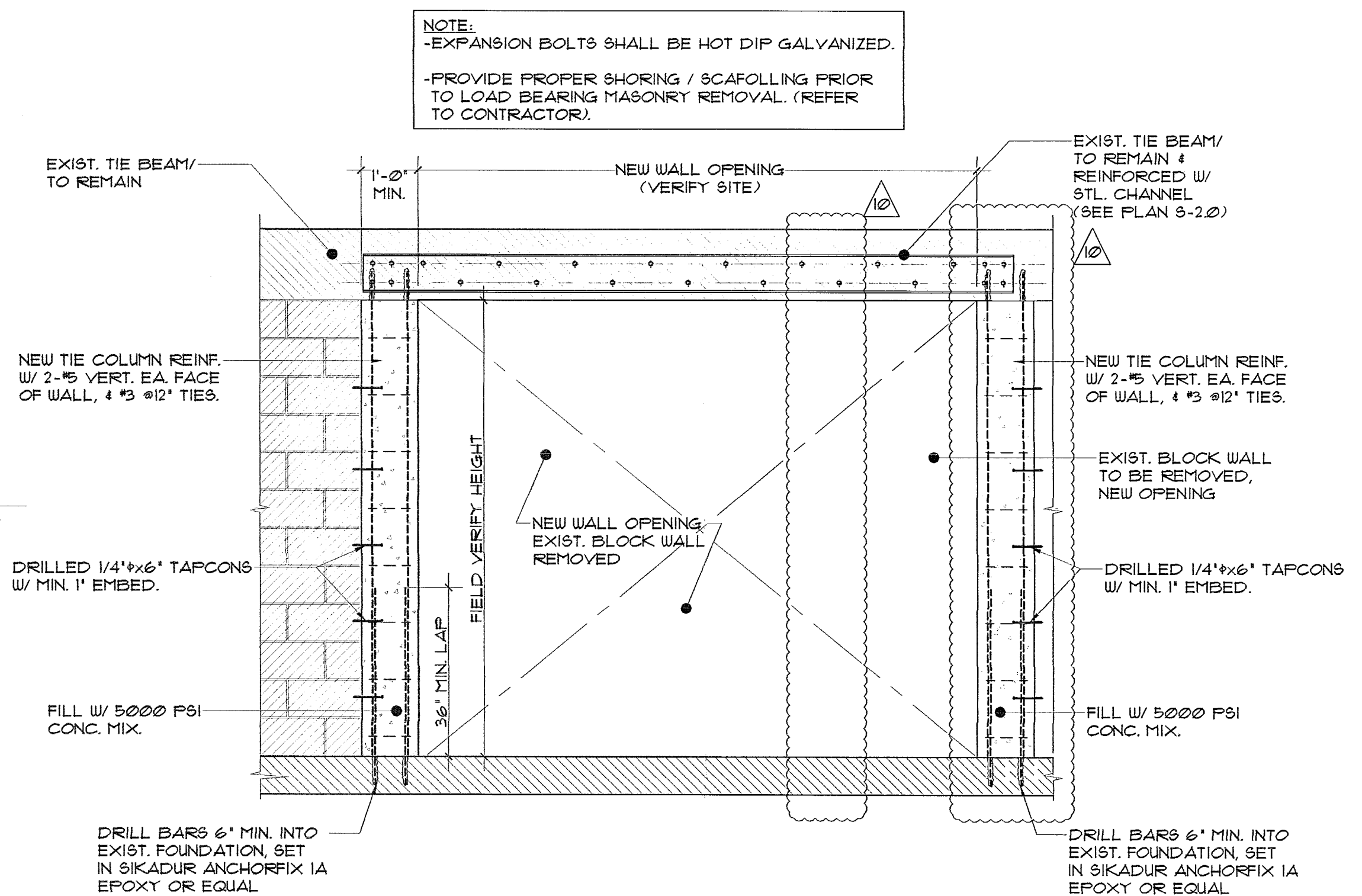


ROOF OPENING DETAIL

SCALE: 3/4"=1'-0"

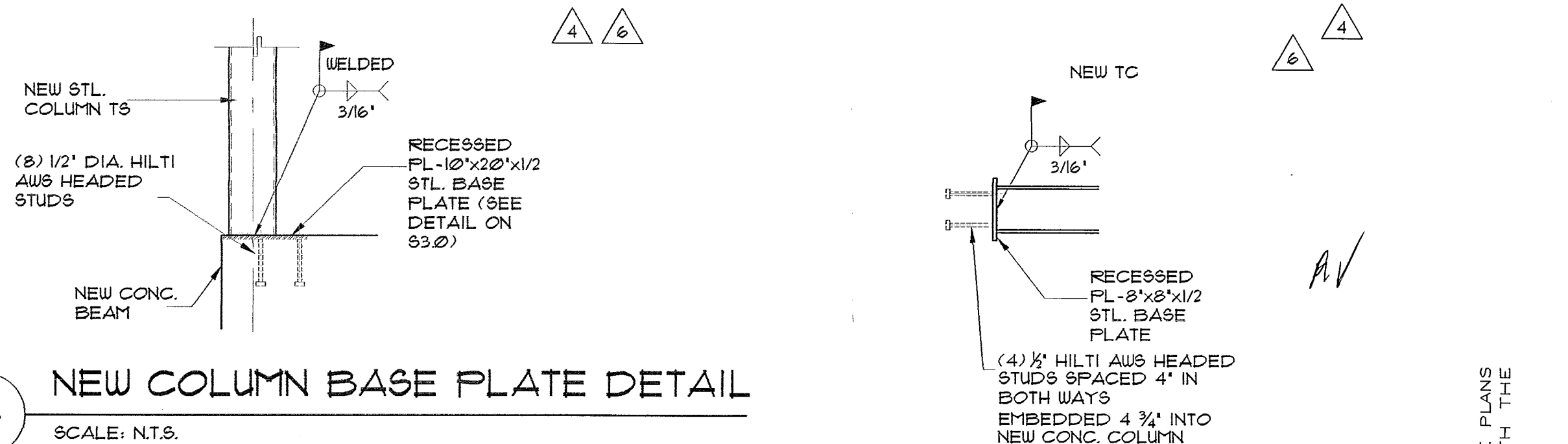
EXIST. TIE BEAM W/ STL. CHANNEL REINF. (TYP.)

SCALE: N.T.S.



NEW WALL OPENING @ EXIST. WALL (TYP.)

SCALE: N.T.S.

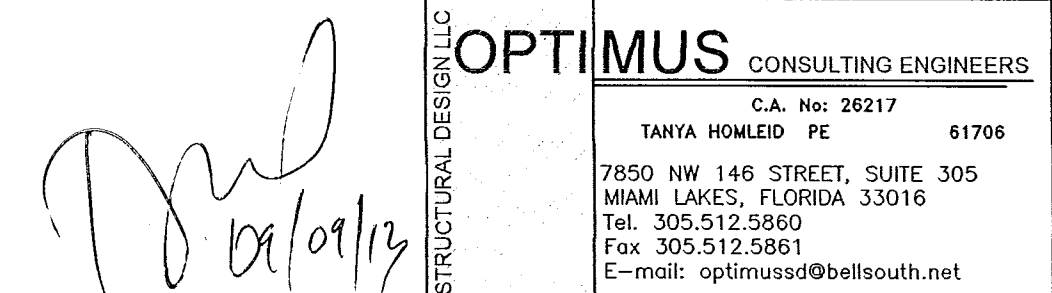


NEW COLUMN BASE PLATE DETAIL

SCALE: N.T.S.

NEW STEEL BEAM END PLATE

SCALE: N.T.S.



OPTIMUS CONSULTING ENGINEERS
 C.A. No. 20217
 TANYA HOMERID PE 61708
 7850 NW 146 STREET, SUITE 305
 MIAMI LAKES, FLORIDA 33186
 Tel. 305.512.5860
 Fax 305.512.5861
 E-mail: optimus@bellsouth.net

THE STANDARD

40 ISLAND AVE
 MIAMI BEACH, FL 33139

BAYSIDE GRILL

REVISIONS	BY
01-12-2012	EDC RESPONSE
02-14-2013	EDC RESPONSE
03-11-2013	OWNER REV.
03-12-2013	OWNER REV.
01-12-2013	OWNER REV.
01-13-2013	OWNER REV.
01-25-2013	OWNER REV.
01-30-2013	OWNER REV.
03-24-2013	EDC RESPONSE
03-29-2013	EDC RESPONSE

STAMP
TODD TRAGASH, AIA, FLORIDA REGISTRATION NUMBER #11053

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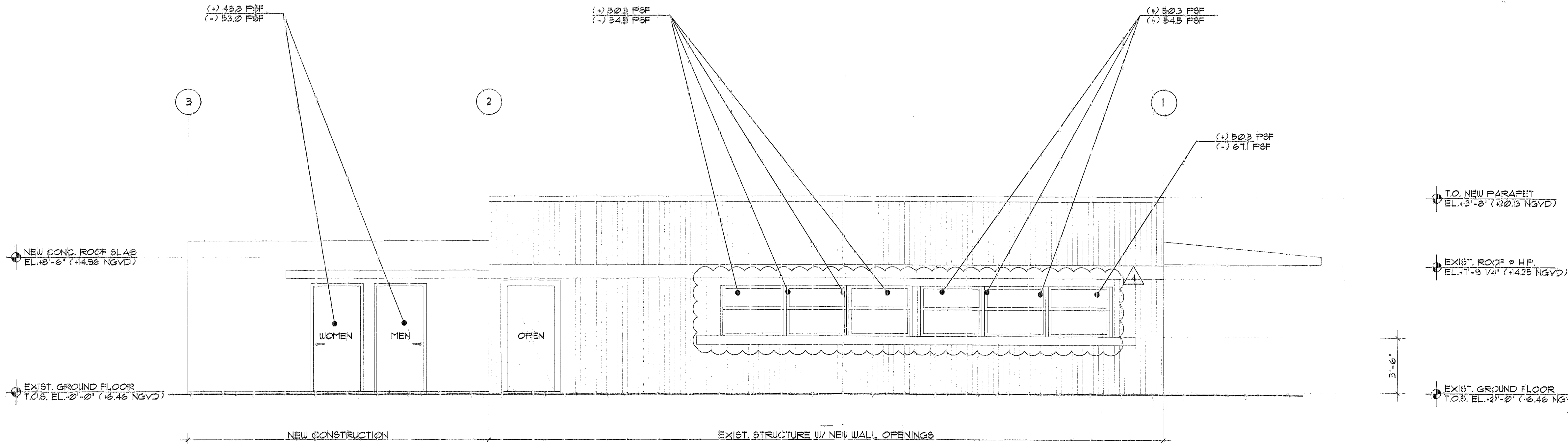
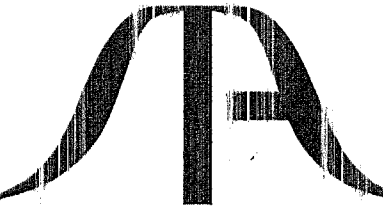
DRAWN BY
 J.P.
 CHECKED BY
 T.H.
 DATE
 06.27.2011
 SCALE
 AS SHOWN
 JOB NO.
 3015
 FILE NO.
 SHEET
 S-4.1

STA ARCHITECTURAL GROUP
 3526 NORTH MIAMI AVE. MIAMI, FL 33127
 305.571.1811 FAX 305.571.1821

2	07-14-2013 B/C RESPONSE
4	06-12-2013 OWNER REV

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CHECKED BY	T.H.
DATE	06.27.2011
SCALE	AS SHOWN
JOB NO.	3016
FILE NO.	
SHEET	
S-5.0	



PROPOSED NORTH ELEVATION
SCALE: 1/4"=1'-0"

NOTE:
- EXPLORATORY DEMOLITION IS REQUIRED FOR THE
EXISTING BUILDING STRUCTURE. SHORING SHALL BE
PROVIDED BY A DELEGATED ENGINEER. EOR
SHALL SUBMIT A REVISED PERMIT SET BASED ON
FINDINGS OF SAID EXPLORATORY DEMOLITION.

WIND PRESSURES

• 85.5 PSF
• 94.8 PSF
DENOTES WINDOW WIND
PRESSURES CALCULATED IN
ACCORDANCE WITH ASCE 7-10

ROOFING PRESSURES		
ZONE 1	+22.4 PSF	-54.5 PSF
ZONE 2	+55.0 PSF	-92.2 PSF
ZONE 3	+22.4 PSF	-92.2 PSF
ZONE 1 (OVERHANG)	+16 PSF	-19.2 PSF
ZONE 2 (OVERHANG)	+16 PSF	-19.2 PSF
ZONE 3 (OVERHANG)	+16 PSF	-19.2 PSF
WALL PRESSURES		
ZONE 4	+50.3 PSF	-54.5 PSF
ZONE 5	+50.3 PSF	-67.1 PSF
END ZONE LENGTH 8'-3"-3"		

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: _____
ZONING: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
FLOOD: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____

Tyler
06/28/2011

OPTIMUS CONSULTING ENGINEERS
C.A. No. 20217 61706
TANYA HOWLEID PE
785C NW 14th STREET, SUITE 305
MIAMI LAKES, FLORIDA 33016
Tel. 305.512.6360
Fax 305.512.6361
E-mail: optimus@bbsouth.net

TO THE BEST OF MY KNOWLEDGE, THE PLANS
AND SPECIFICATIONS COMPLY WITH THE
FLORIDA BUILDING CODE.

PREV132032

B1205616

40 Island Av

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
800/ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-678-7080

PUBLIC WORKS PLAN REVIEW NOTICE	
Phone 305-673-7080	Fax 305-673-7028
THIS PLAN REVIEW CONSTITUTES APPROVAL FOR OBTAINING BUILDING PERMITS ONLY.	
All construction and/or use of equipment in the right-of-way and/or easements, requires a separate Public Works Department permit prior to start of construction.	
Permit Requirements: Proof of existing sidewalk/sewer area conditions (pictures) and/or posting of sidewalk/roadway bonds (Public Works inspection of the right-of-way will be required prior to final sign-off on the C.C. / C.O., or the release of bonds.)	
Approved/Reviewed By: <i>[Signature]</i>	Date: <i>9/5/13</i>



MIAMI BEACH

Plan Routing Sheet

General Information		
Date 10-01-2013	Process/Permit Number Re-Submittals Only Brev 140002	Historic (Y/N)
Job Address 40 island ave Miami beach 33139.		
Contact Name Damian Gallo	E-mail Permit@dcba.org	Telephone 31447-0123.

Re-submittals - New Sheets:

☐ Yes

☐ No

List all new sheets:

OFFICE USE ONLY

Required Approvals - As Indicated

☒ Planning & Zoning	☒ Fire	☐ Public Works
☐ Flood Plain Management	☐ Building	☐ Structural
☒ Electrical	☐ Mechanical	☐ Plumbing
☐ Elevator		

Comments:

Reviewer:

AB

Date:

10/1/13



☐ Walk Thru



☐ Drop Off

Handwritten signature of the reviewer.

Brev 140002

THE STANDARD

40 ISLAND AVE
MIAMI BEACH, FL 33139

BAYSIDE GRILL
ELECTRICAL

REVISIONS BY

- 1 GEN. REV. 02.14.13
- 2 GEN. REV. 04.05.13
- 3 GEN. REV. 03.22.13
- 4 GEN. REV. 09.30.13

STAMP

ESI

ENERGY SERVICES INC.
CONSULTING ENGINEERS
C.A. #67265
3333 AVENUE OF THE
MIRAGES, SUITE 100
MIAMI, FL 33133
TEL: 305-448-8828
FAX: 305-448-1075
e-mail: esenergy@bellsouth.net

TODD TRAGASH, AIA, FLORIDA
REGISTRATION NUMBER #11053

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DRAWN BY

CHECKED BY

R.R.

DATE

07.31.12

SCALE

1/4" = 1'-0"

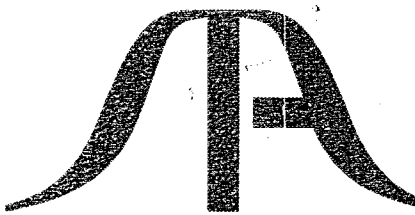
JOB NO.

3015

FILE NO.

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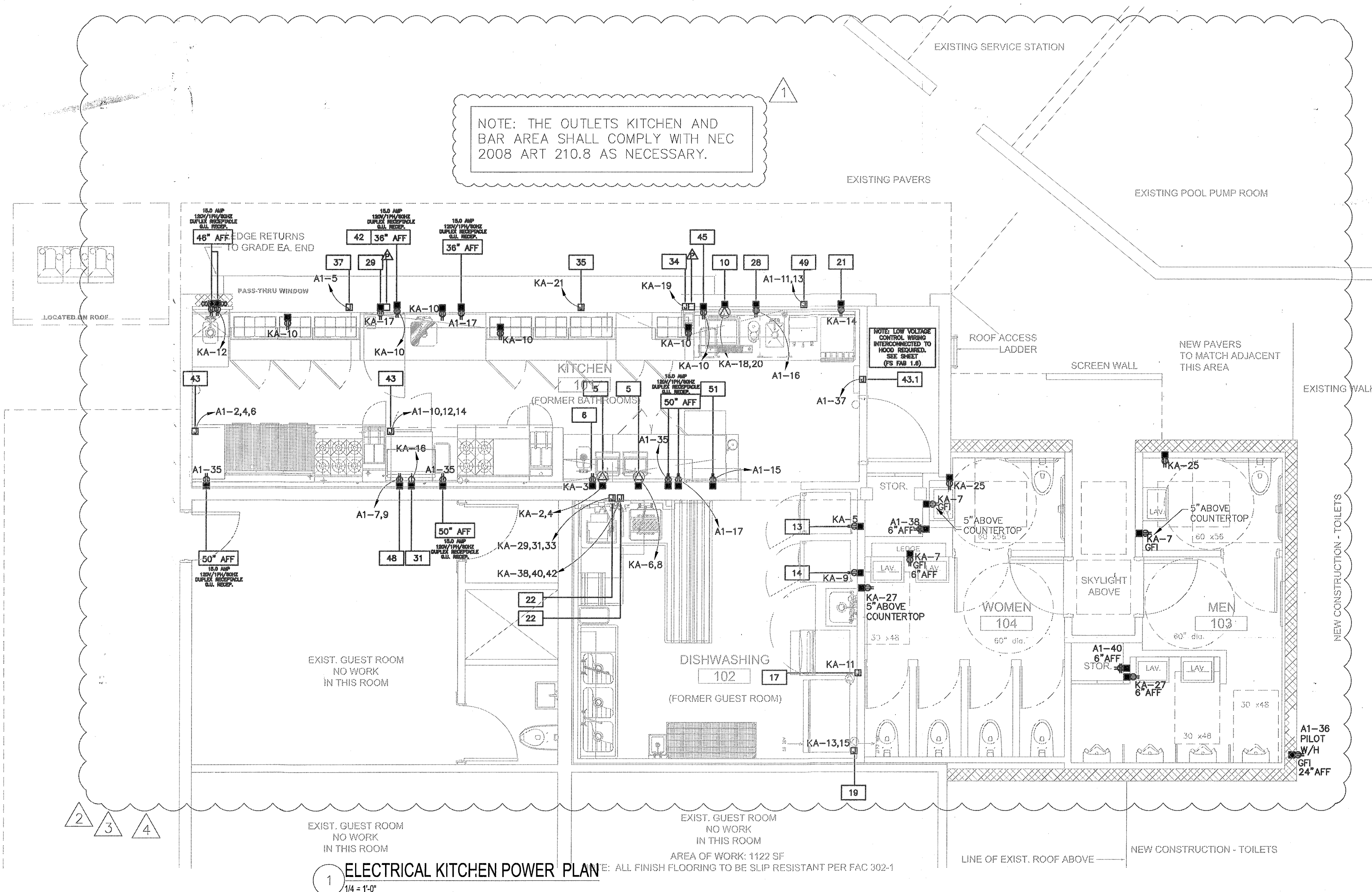
E-1



STA ARCHITECTURAL GROUP
3528 NORTH MIAMI AVE. MIAMI, FL 33127
305.571.1811 FAX 305.571.1821

ELECTRICAL SCHEDULE													
ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	AMPS	KW	HP	VOLTS	PHASE	CYCLE	DIRECT	PLUG	NEMA
1	1	BROILER, UNDER-FIRED/GAS	BAKERS PRIDE	EXISTING									
2	1	RANGE, HEAVY DUTY, GAS	SOUTHBEND	P380-TTB W/ P12C-B									
3	1	FRYER, DEEP FAT, GAS	PITCO	SG14S									
3.1	1	FRYER SHIELD	GOLDENSHTEIN	FS									
4	1	RANGE, HEAVY DUTY, GAS	SOUTHBEND	P32D-BBB									
5	2	GRIDDLE, DOUBLE-SIDED, ELECTRIC	EQUIPEX	PANINI	12.0	3.0		208	1	60	X		6-15P
6	1	REFRIGERATED WORK TABLE, REMOTE	DELFIELD	18WR54R	3.0		0.25	115	1	60	X		5-15P
7	1	FRYER, DEEP FAT, GAS	PITCO	SG14S									
8	1	TABLE, WORK, 14 GAUGE, BACK SPLASH W/O UNDERSHELF	PKI	WORK TABLE 30X48									
9	1	TABLE, ENCLOSED BASE, BEVERAGE	ADVANCE TABCO	BEV-30-10BR									
10	1	2 GROUP ESPRESSO MACHINE	LA SPAZIALE	SS EK	30.0	3.5		220	1	60	X		L6-30P
11	1	TABLE, WORK, 16 GAUGE, BACK SPLASH W/O UNDERSHELF	PKI	WORK TABLE 36X22									
12	1	DISHTABLE, "L" SHAPE, 14 GAUGE	PKI	SHIELDED DISHTABLE									
13	1	FREEZER, REACH-IN	TRUE FOOD SERVICE	STG1F-1S	6.8		0.33	115	1	60	X		5-15P
14	1	REFRIGERATOR, REACH-IN	TRUE FOOD SERVICE	STG1R-1S	4.8		0.33	115	1	60	X		5-15P
15	1	FILTER SYSTEM, ICEMAKER	EVERPURE	EV9324-22									
16	1	SINK, MOP	PKI	MOP SINK 20X24									
17	1	ICE MAKER W/O BIN	MANITOWOC ICE	ID-0502A	14.2		0.75	115	1	60	X		70
18	1	BIN, ICE	MANITOWOC ICE	B-570									
19	1	ICE MAKER W/O BIN	HOSHIZAKI AMERICA	KM-1301SAH	12.4			208/230	1	60	X		71
20	1	BIN, ICE	HOSHIZAKI AMERICA	B-1300SS									
21	1	STAINLESS STEEL SODA AND ICE DISPENSING TOWER	LANCER	IBD 4500 22"	3.0			115	1	60	X		5-15P
22	1	WAREWASHER, DOOR TYPE, HIGH TEMP	HOBART US FOODSERVICE	AM15VLT-2	24.9			208-240	3	60	X		10
23	1	DISHTABLE, STRAIGHT, 14 GAUGE	PKI	CLEAN DISHTABLE 51X30				208-240	3	60	X		12
24	1	DISHTABLE, SORTING SHELF	PKI	SORTING SHELF 22"									
25	1	POT RACK, WALL MOUNT	PKI	POT RACK 84X12									

ELECTRICAL SCHEDULE													
ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	AMPS	KW	HP	VOLTS	PHASE	CYCLE	DIRECT	PLUG	NEMA
26	1	SINK, NSF, 3 COMP, 14 GAUGE	PKI	3 COMP SINK									
27	1	SHELVING, PLASTIC, LOUVERED	INTERMETRO INDUSTRIES	MQ2460G									
28	1	COFFEE GRINDER	N/A	N/A	3.0	0.3		120	1	60	X		5-15P
29	1	FREEZER, UNDERCOUNTER, COMPACT	TRUE FOOD SERVICE	TUC-27F-LP	3.2		0.25	115	1	60	X		5-15P
30	2	SHELF, WALL MOUNT	ADVANCE TABCO	WS-18-24									
31	1	CABINET, HOLDING/PROOFING	WINSTON INDUSTRIES	HA4507	19.3	2.3		120	1	60	X		5-20P
32	1	DISHTABLE, SORTING SHELF	PKI	SORTING SHELF 95									
33	1	S/S OVERSHELF	DELFIELD	10X84									
33.1	1	S/S OVERSHELF	DELFIELD	10X24.5									
34	1	REFRIGERATOR, SANDWICH/SALAD PREP, REMOTE	DELFIELD	CUSTOM	3.0		0.25	115	1	60	X		12
34.1	1	COMPRESSOR	AMERICOLD	N/A	14.8			115	1	60	X		
35	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	CUSTOM	5.0		0.75	120	1	60	X		12
35.1	1	COMPRESSOR	AMERICOLD	N/A	12.3			115	1	60	X		
36	1	TABLE, ENCLOSED BASE, HINGE DOORS	PKI	WT31.5X84									
37	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	CUSTOM	5.0		0.75	120	1	60	X		12
37.1	1	COMPRESSOR	AMERICOLD	N/A	12.3			115	1	60	X		
38	1	DOUBLE OVERSHELF, SOLID SS	CUSTOM	DOS-15X118.5									
39	1	SINK, HAND, WALL MOUNT	JOHN BOOS & CO.	PBHS-99-P-SSTD									
40	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303									
41	1	SHELF, WALL MOUNT	ADVANCE TABCO	WS-18-72									
42	1	POS PRINTER	BY OWNER	N/A	1.0			120	1	60	X		5-15P
43	1	EXHAUST HOOD	CAPTIVE-AIRE	CUSTOM	20.0		7.5	208	3	60	X		
43.1	1	EMS BOX	CAPTIVE AIRE	311110KT	6.0		2.0	208	3	60	X		
44	1	ANSUL SYSTEM	CAPTIVE AIRE	R-102	7.0			120	1	60	X		72
45	1	POS PRINTER	BY OWNER	N/A	1.0			120	1	60	X		5-15P
45.1	1	PRINTER SHELF	PKI	PRNTRSHLF									
46	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	342023-03									
47	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303									
48	1	OVEN, FINISHING	EQUIPEX	SEM-80VC-3	18.0	4.5		208	3	60	X		6-30P
49	1	COFFEE MAKER, INSULATED SERVER, AUTOMATIC	FETCO	CBS-2032E	22.2	4.6		120/208	1	60	X		L14-30P
50	1	TABLE, WORK, 14 GA., BACK SPLASH W/O UNDERSHELF	PKI	WORK TABLE 36X24									
51	1	FREEZER, UNDERCOUNTER	TRUE FOOD SERVICE	TUC-27F-D-2	7.4		0.33	115	1	60	X		5-15P
52	1	FILTER SYSTEM, COFFEE MAKER	EVERPURE	EV9272-00									
53	1	OPEN NUMBER											



Electrical Legend

- DUPLICATE RECEPTACLE MOUNTED 18" AFF U.O.N.
- DEDICATED DUPLICATE RECEPTACLE MOUNTED 18" AFF U.O.N.
- QUADRUPLICATE RECEPTACLE MOUNTED 18" AFF U.O.N.
- DEDICATED QUADRUPLICATE RECEPTACLE MOUNTED 18" AFF U.O.N.
- FLOOR MOUNTED DUPLICATE RECEPTACLE
- 220V OUTLET MOUNTED 18" AFF U.O.N.
- SPECIAL PURPOSE RECEPTACLE COORDINATE WITH TENANT
- TELEPHONE BOX WITH 1/2" CONDUIT EXTENDED 6" ABOVE ADJACENT CEILING. FACE PLATES JACKS AND CABLEING TO BE BY TENANT
- DATA BOX WITH 1/2" CONDUIT EXTENDED 6" ABOVE ADJACENT CEILING. FACE PLATES JACKS AND CABLEING TO BE BY TENANT
- TELEPHONE AND DATA BOX WITH 1/2" CONDUIT EXTENDED 6" ABOVE ADJACENT CEILING. FACE PLATES JACKS AND CABLEING TO BE BY TENANT
- FLOOR MOUNTED TELEPHONE RECEPTACLE
- FLOOR MOUNTED DATA RECEPTACLE
- FLOOR MOUNTED TELEPHONE AND DATA RECEPTACLE
- ELECTRIC JUNCTION BOX - VERIFY LOCATIONS AND MOUNTING HEIGHTS.
- DATA/TELEPHONE JUNCTION BOX AND MOUNTING HEIGHTS.
- ELECTRIC JUNCTION BOX MOUNTED AT 6" AFF TO FEED WORKSTATION. PROVIDE ONE CIRCUIT FOR EVERY TWO WORKSTATION TENANT TO PROVIDE CONNECTION TO THEIR OFFICE FURNITURE SYSTEM
- ELECTRIC JUNCTION BOX MOUNTED ABOVE CEILING
- FLOOR MOUNTED ELECTRIC JUNCTION BOX VERIFY LOCATIONS
- FLOOR MOUNTED DATA/TELEPHONE JUNCTION BOX VERIFY LOCATIONS
- HVAC THERMOSTAT
- FIRE ALARM HORN/STROBE
- FIRE ALARM PULL STATION
- ELECTRICAL PANEL
- SINGLE POLE LIGHT SWITCH
- 3 WAY LIGHT SWITCH
- LIGHT SWITCH WITH DIMMER

NOTE: ONLY NEW TELEPHONE OUTLETS ARE TO BE PROVIDED WITH EMPTY 1/2" CONDUIT STUBBED 6" ABOVE THE CEILING. EXISTING PARTITIONS ARE TO RECEIVE J-BOXES ONLY (NO CONDUIT)

NOTE: ALL ITEMS AND SYSTEMS ARE NEW EXCEPT WHERE SPECIFICALLY OTHERWISE INDICATED OR ASSOCIATED WITH THE FOLLOWING NOMENCLATURE:

E DENOTES EXISTING TO REMAIN
R DENOTES EXISTING TO BE RELOCATED

NOTICE: In addition to the requirement of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this County and there may be additional permits required from other government entities such as water management, health, fire, and other agencies. The City of Miami Beach, Florida, State, and Local Laws, Rules, and Regulations.

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: 10/01/13
ZONING: 200/10/12
PLUMBING: 10/01/13
ELECTRICAL: 10/01/13
MECHANICAL: 10/01/13
FIRE PREVENTION: 10/01/13
FLOOD: 10/01/13
PUBLIC WORKS: 10/01/13
STRUCTURAL: 10/01/13
ELEVATOR: 10/01/13

1 ELECTRICAL KITCHEN POWER PLAN
1/4" = 1'-0"

ALL FINISH FLOORING TO BE SLIP RESISTANT PER FAC 302.1

FAULT CURRENT CALCULATIONS:

1. DEMAND LOAD : PANEL "KA"
250A, 120/208V, 3 PH.
DEMAND LOAD: 90,000 VA - 250 AMPS

2. SERVICE TRANSFORMER REQUIRED RATING (MAXIMUM)

1500 KVA, PER UNIT IMPEDANCE : 0.067, 120/208V, 3Ø, SECONDARY
IMPEDANCE (~1%) CALCULATED FROM MAX. AVAILABLE SHORT
CIRCUIT CURRENT OF 61,315 SYMMETRICAL AMPERES ON
SECONDARY OF TRANSFORMER (PER INFORMATION OBTAINED FROM
FP&L CO.).
PER UNIT IMPEDANCE : $(1,500,000 / (360) / 61,315 = 0.067$

3. SERVICE CABLE FOR PNL. "KA": 3 #300, MCM CU. IN 3" C. EACH SET (LENGTH : 280 LIN. FT.)

4. REACTANCE OF SERVICE CABLES :

REACTANCE OF 30' OF SERVICE CABLE TO PNL "KA" :
(3 #300 MCM CU IN AL. CONDUIT)
0.000041 OHMS/FT. (NEC TABLE 9, CHAPTER 9)
3 x 2 x 280 FT. X 0.000041 OHM/FT. = 0.0068 OHM/FT.
REACTANCE FOR SERVICE FEEDERS: 0.0068 OHM/FT.

5. FEEDER EQUIVALENT PER UNIT IMPEDANCE FOR A 1500 KVA BASE TRANSFORMER :

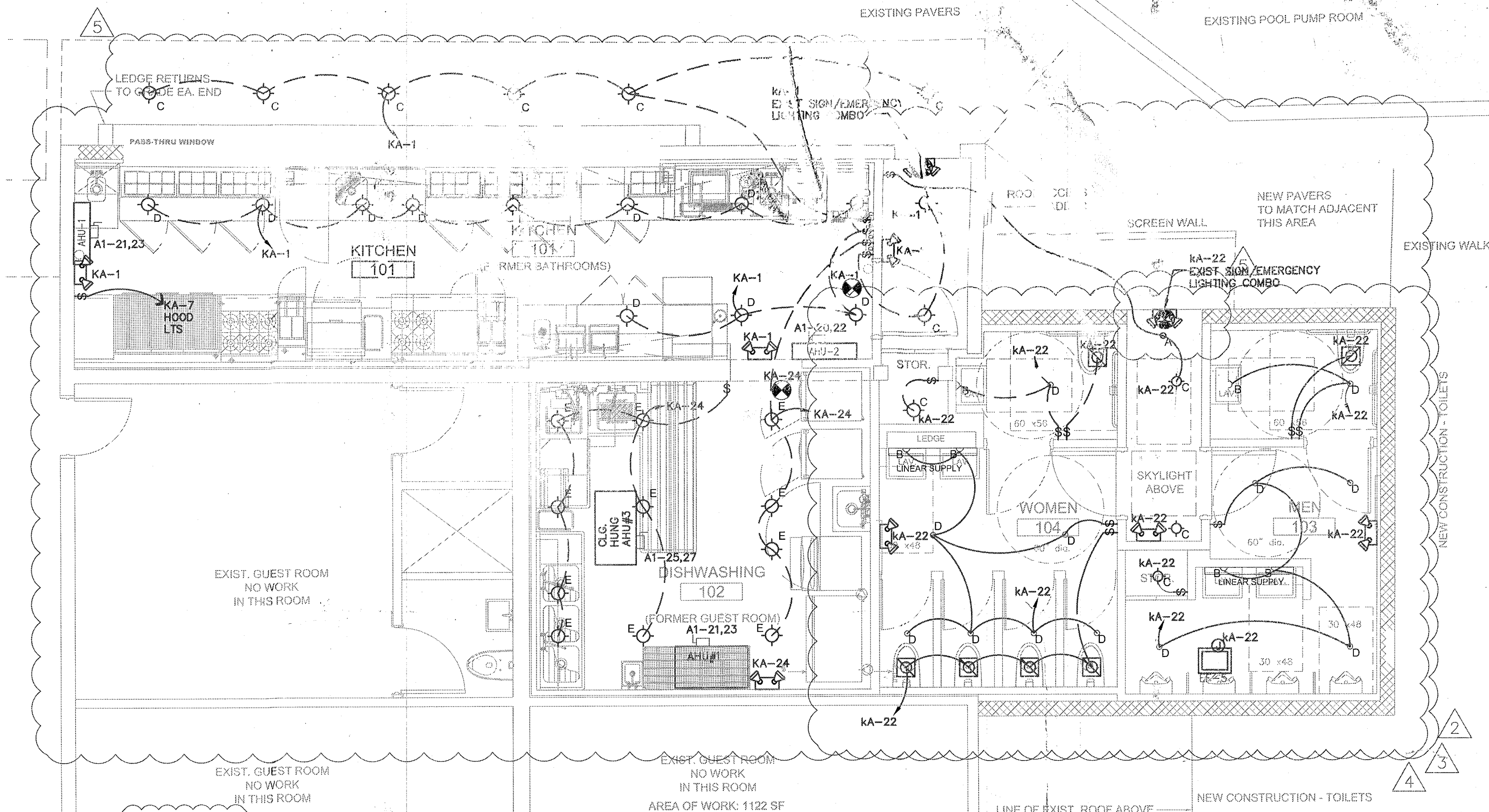
$1500,000 \text{ KVA} / (360) = 4,166 \text{ A (NOMINAL CURRENT)}$
 $360\text{V} / 0.0068 \text{ OHM} = 52,941 \text{ SCC}$
 $4,166\text{A} / 52,941\text{A} = 0.078$

6. TOTAL PER UNIT IMPEDANCE (FP&L X-FORMER + SERVICE FEEDERS) Z (TOTAL) : 0.067 (FP&L X-FORMER) + 0.078 (SERVICE FEEDERS) Z (TOTAL) : 0.145

7. TOTAL MAXIMUM AVAILABLE SHORT CIRCUIT CURRENT : 250 AMPS / 0.145 = 1,724 ASYMMETRICAL

8. A.I.C. REQUIRED IF MAIN CIRCUIT BREAKERS ARE USED : 1,724 X 1.25 = 2,155 AMPERES ASYMMETRICAL

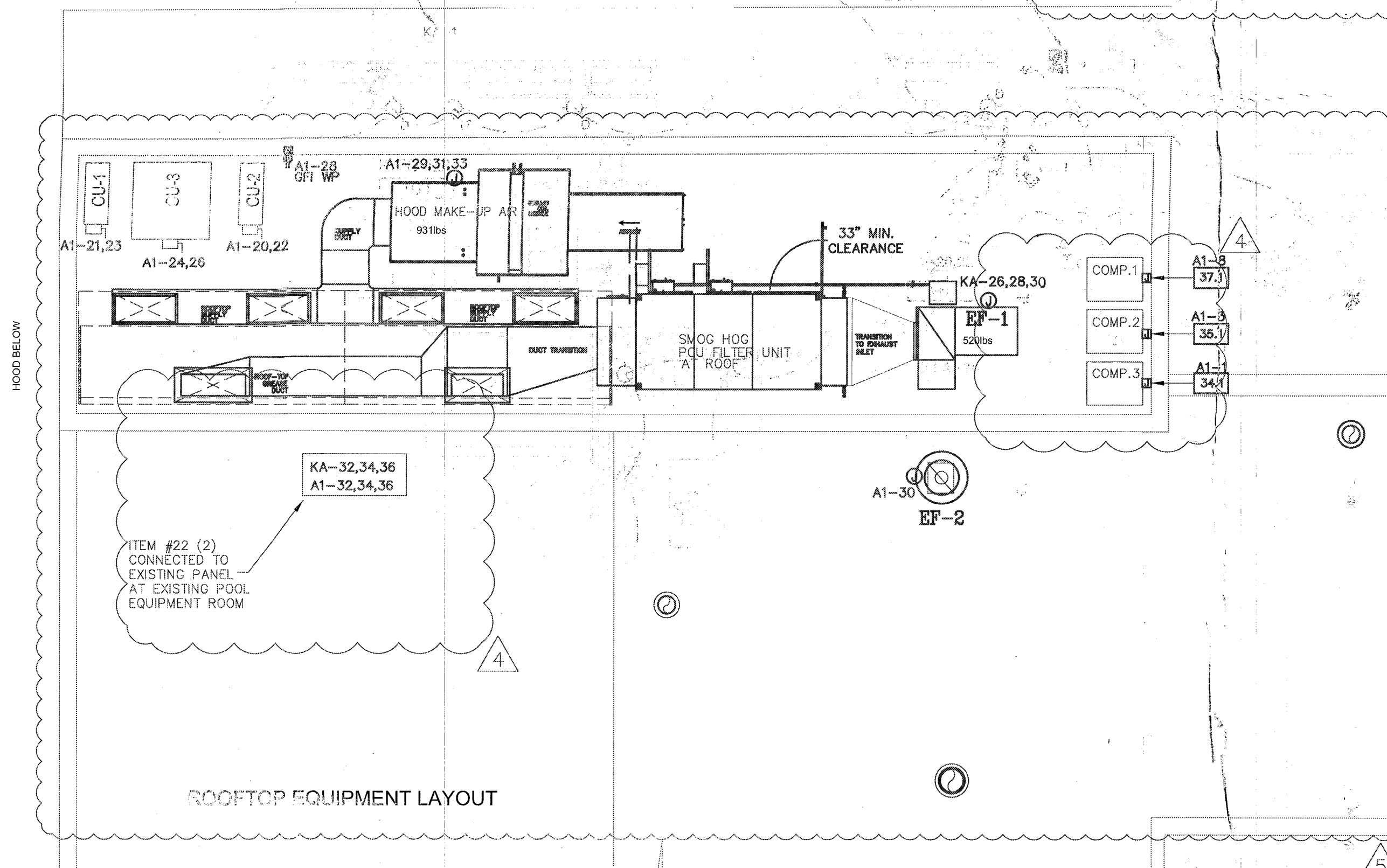
9. A.I.C. REQUIRED IF FUSES ARE USED WITH A MAIN DISCONNECT SWITCH: 1,724 X 1.60 = 2,758 AMPERES ASYMMETRICAL CURRENT LIMITING FUSES CLASS K-5 (U.L.) MAY BE USED.



ELECTRICAL KITCHEN LIGHTING PLAN

1/4" = 1'-0"

NOTE: ALL EXIT SIGNS AND EMERGENCY
LIGHTS SHALL BE EQUIPPED WITH
BATTERY BACKUP RATED FOR 90 MINUTES.



ELECTRICAL KITCHEN ROOF PLAN

1/4" = 1'-0"

THE STANDARD

40 ISLAND AVE
MIAMI BEACH, FL 33139

BAYSIDE GRILL
ELECTRICAL

REVISIONS BY

1 GEN. REV. 02.14.13

2 GEN. REV. 01.05.13

3 COMMENT CITY 04.18.13

4 GEN. REV. 05.22.13

5 GEN. REV. 09.30.13

STAMP

ESI

ENERGY SCIENCES INC
CONSULTING ENGINEERS
C.A. #2705
EDDER ANDERSON, P.E.
MCKINLEY, P.E. - #42454
8821 DOUGLAS ROAD
MIAMI, FL 33155
TEL: 305-448-5805
FAX: 305-448-5078
e-mail: esingr@esimiami.com

TODD TRAGASH, AIA, FLORIDA
REGISTRATION NUMBER #11053

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07.31.12

SCALE

1/4" = 1'-0"

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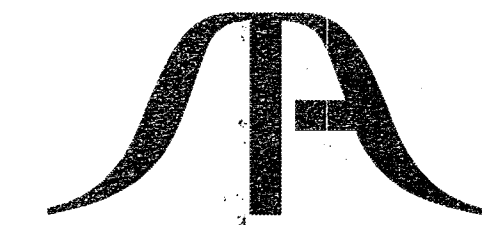
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E-2

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THE FOLLOWING:

BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
FLOOD:
PUBLIC WORKS:
STRUCTURAL:
ELEVATOR:

City of Miami Beach
Fire Prevention Division
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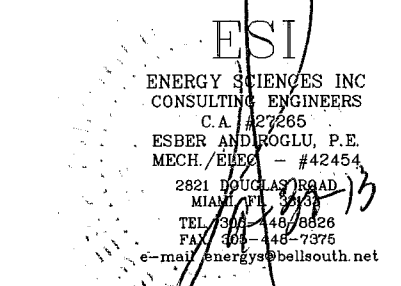
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1/4" = 1'-0"

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FILE NO.

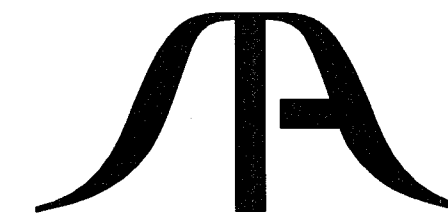
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E-2.1

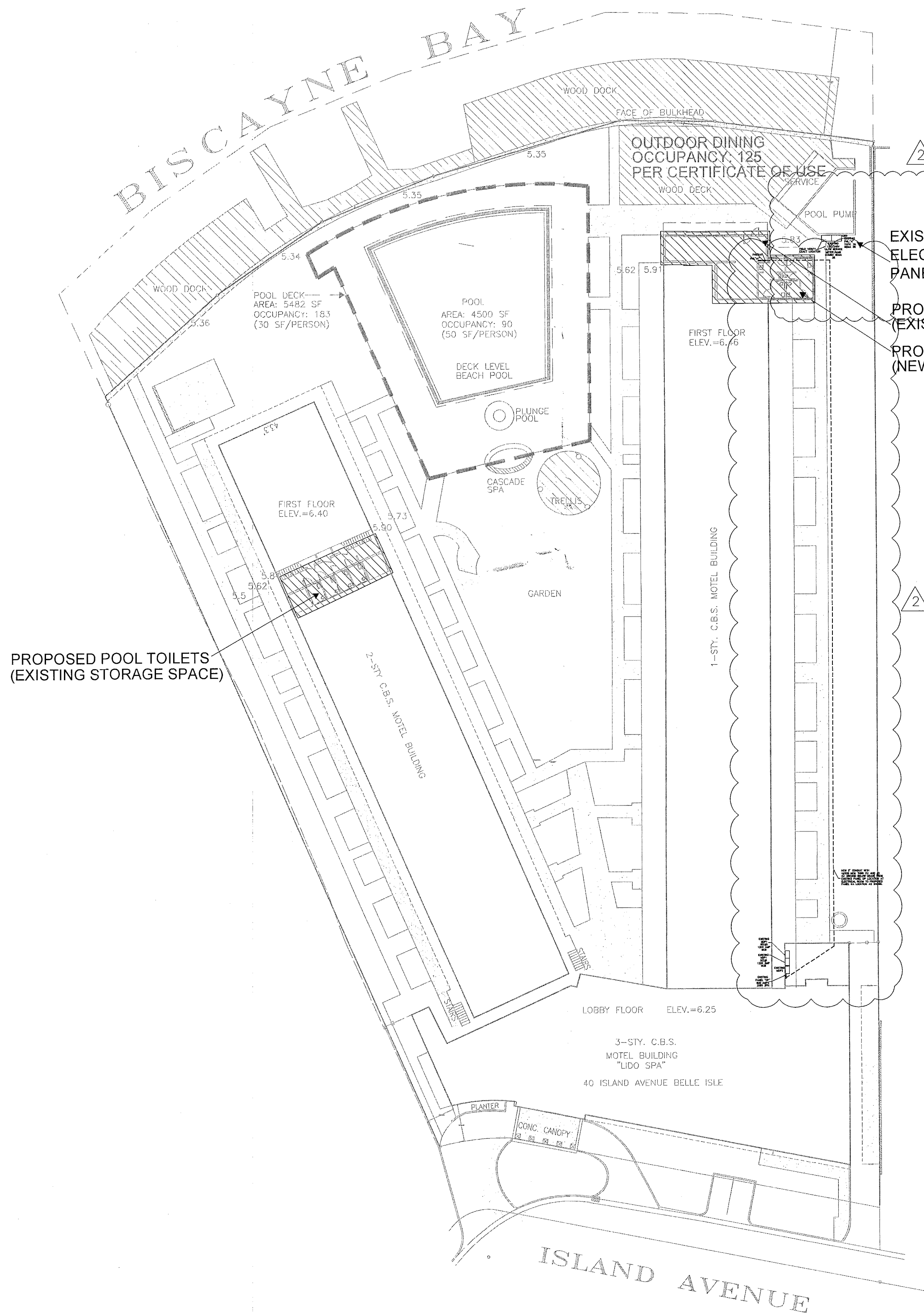
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FLOOD:
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STRUCTURAL:
ELEVATOR:

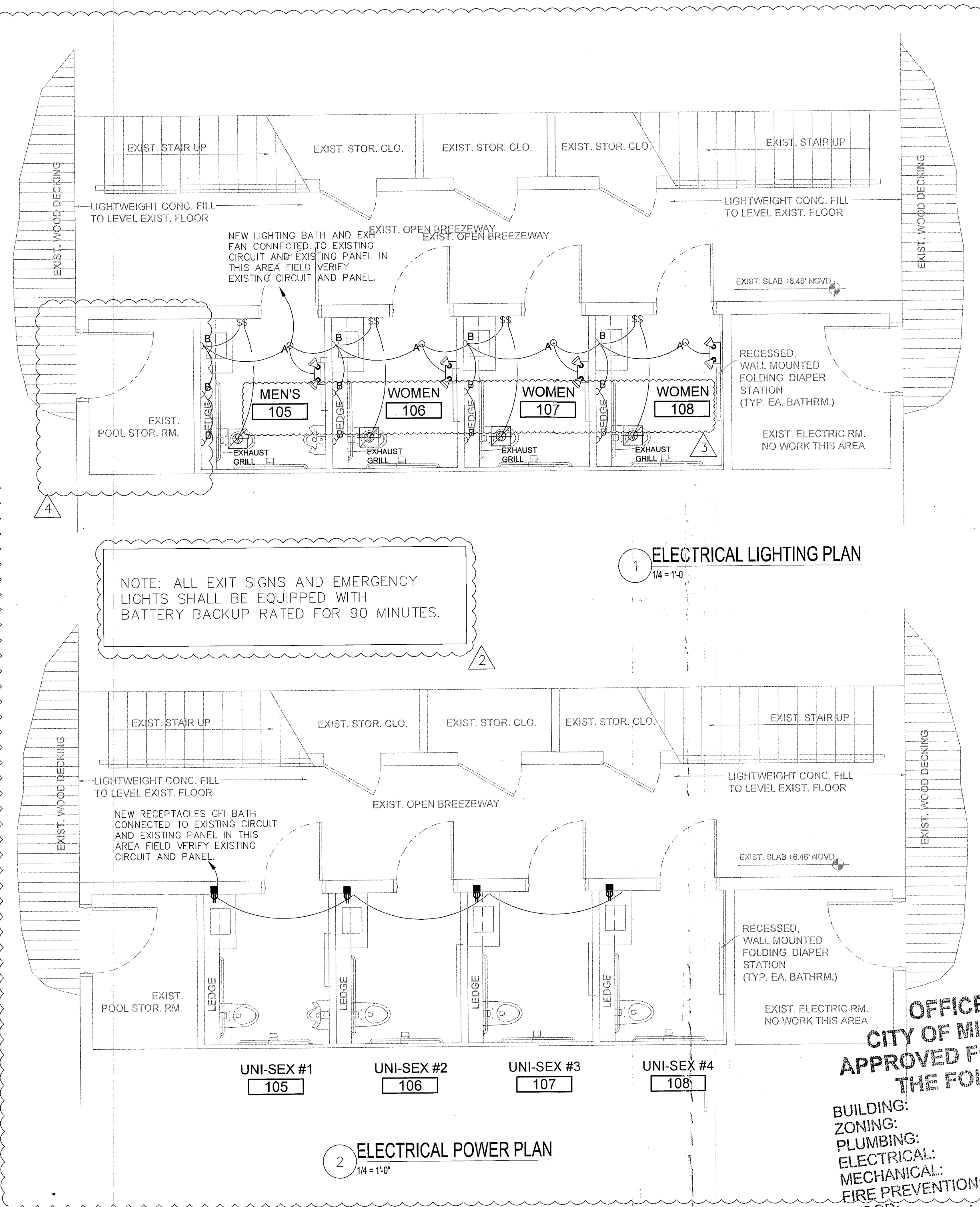
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3 SITE PLAN
N.T.S.



2 ELECTRICAL POWER PLAN
1/4" = 1'-0"

1 ELECTRICAL LIGHTING PLAN
1/4" = 1'-0"

THE STANDARD

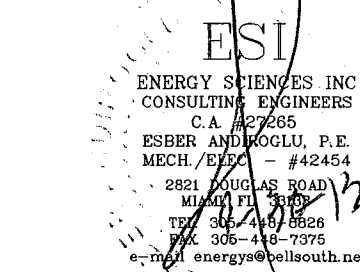
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BAYSIDE GRILL
ELECTRICAL
RISER & DIAGR.

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SCALE 1/4" = 1'-0"
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SHEET E-3

STA ARCHITECTURAL GROUP
3526 NORTH MIAMI AVE. MIAMI, FL 33127
305.571.1811 FAX 305.571.1821

ELECTRICAL NOTES

- General
A. All work performed under this contract shall comply with all national, state and local codes having jurisdiction and with the requirements of the utility companies whose services shall be used. All modifications required by these codes shall be made by this contractor without additional charge.
B. Drawings: Refer to all drawings for coordination of the electrical 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 minimum of one year for material and labor.
- Contractor is directed to review the building plans and specifications for limitations of constructions, identifications of materials and products, definition of workmanship. This contractor shall include his bid proposal all costs necessary for a complete and operational installation and shall visit the job site prior to a bid date. Contractor needs to establish a field liaison with project supervisor, prior to commencing work.
- All required insurance shall be provided for protection against public liability and property damage for duration of the work.
- It shall not be the intent of these plans and/or specifications to show every minor detail of construction. The electrical contractor shall be expected to furnish and install all items for a complete electrical system and provide all requirements necessary for equipment to be placed in proper working order.
- Electrical contractor shall not scale drawings. Contractor shall refer to architectural plans and elevations for exact locations of all equipment unless otherwise noted. All conduit runs are shown diagrammatically. Exact routing shall be determined in the field, unless otherwise noted.
- Electrical contractor shall visit the job site and verify all conditions, locations, dimensions and counts as shown and/or noted on the drawings. This shall include any and all fabrications prior to installations.
- As a minimum, all equipment shall meet applicable standards, for the type of equipment and intended use, of the following:
 - American National Standards Institute (ASTM).
 - Illuminating Engineers Society (IES).
 - American Society for Testing and Materials (ASTM)
 - National Electrical Manufacturer's Association (NEMA).Note: These standards are subordinate to codes, and standards set by UL.
- All electrical equipment, devices, wire, ect. shall be listed, for the intended use, with Underwriter Laboratories, Inc. (UL), where standards have been established by UL.
- As-built drawings shall be furnished to the owner upon completion of work.
- Wiring devices to be spec. grade.
- Where more than one devices is indicated at any location, these shall be ganged under one common cover plate.
- Contractor shall coordinate with electric and telephone utility for service entrance location and any other requirements.
- All connections to ground rods shall be made with UL approved welded connections, unless noted otherwise.
- Provide a fuse holder and fuse in the primary side of each ungrounded conductor for all ballasts.
- Unless noted as existing, all equipment, wiring, devices, etc. shall be new.
- Contractor shall guarantee all materials and workmanship free from defects for a period of not less than (1) year from date of acceptance, unless indicated of specified otherwise.
- Correction of any defects shall be completed without additional charge and shall include replacement or repair of any other phase of the installation which may have been damaged thereby.
- Electrical contractor shall provide temporary service for use of all trades as required for construction.
- Temporary wiring to be removed by contractor.
- Electrical contractor shall verify requirements, exact location and type or outlet for all electrical fixtures, appliances and equipment.
- Show drawings: Coordinate with owner or architect.
- All wiring to have 600 volt insulation, type TW, THW, THWN, for branch circuits and type THW, THN for main feeders or as specified.
- Design is based on copper conductor. Wire size #10 and smaller type "TW", wire size #8 and larger type "THW" or as specified.
- Wire ways shall be sized as required, per NEC, unless otherwise noted.
- All feeder, subfeeder and branch circuits shall be properly phase balanced.
- All conductors shall be in conduits. All conduits shall be intermediate (MC) or rigid galvanized steel (RGS) except that: (a) poly vinyl chloride (PVC) conduits may be used in concrete slabs at underground provided elbows and riser are RGS; (b) electrical metallic tubing (EMT) may be used on walls or ceilings where not subject to mechanical damage, damp conditions or corrosive conditions; (c) liquid tight flexible conduits where required; (d) flexible metallic conduit where required in dry locations. All conduit hazardous areas (per NEC) shall meet the requirements Chapter 510.
- Apply bitumastic coating to all metallic conduits in slabs or underground.
- Electrical contractor shall verify circuit protective device rating for equipment prior to construction.
- Provide fuse recommended by equipment manufacturer.
- Furnish and install disconnect switches and wiring for air conditioning systems as per manufacturer recommendations. Controls are to be supplied by air conditioning contractor.
- Install power and control wiring and required control components for air condition systems as shown on these drawings and per other applicable drawings/instructions see A/C drawings.
- Electrical contractor to run control wires for air conditioning as per HVAC drawings.
- No conduits to be run in ductwork.
- All electrical wiring must be in conduit (no Romex, BX, etc. is permitted unless specific permission is obtained from owner, engineering or local inspector).

TYPE	G.E.	MAIN BUS	250 A
SERVICE	3Ø, 4W	MAINS	M.C.B.
VOLTAGE	120/208	A.I.C. :	10,000

K/VOLT AMP	POLE	TRIP	CON DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON DUIT	TRIP	POLE	K/VOLT AMP
0.50	1	20	1/2"	#12	GENERAL LIGHTS	1	2	GRIDDLE #5	#12 1/2"	20	2	3.00	
0.35	1	20	1/2"	#12	REFRIGERATOR #6	3	4						
0.78	1	20	1/2"	#12	FREEZER #13	5	6	GRIDDLE #5	#12 1/2"	20	2	3.00	
1.00	1	20	1/2"	#12	RECEP ABOVE COUNTER	7	8						
0.55	1	20	1/2"	#12	REFRIGERATOR #14	9	10	POS #42,45	#12 1/2"	20	1	1.00	
1.64	1	20	1/2"	#12	ICE MAKER #17	11	12	UTILITY RECEP	#12 1/2"	20	1	1.15	
2.58	2	30	3/4"	#10	ICE MAKER #19	13	14	SODA/ICE DISPENSER #21	#12 1/2"	20	1	0.36	
						15	16	WARMER #31	#12 1/2"	20	1	2.03	
0.37	1	20	1/2"	#12	FREEZER #29	17	18	ESPRESSO MACHINE #10	#10 3/4"	30	2	3.50	
0.35	1	20	1/2"	#12	REFRIGERATOR #34	19	20						
0.60	1	20	1/2"	#12	REFRIGERATOR #35	21	22	GENERAL LIGHTING	#12 1/2"	20	1	1.00	
					SPACE	23	24	GENERAL LIGHTING	#12 1/2"	20	1	1.00	
0.50	1	20	1/2"	#12	CORIAN RECEP	25	26						
0.50	1	20	1/2"	#12	CORIAN RECEP	27	28	EF-1	#10 3/4"	30	3	8.30	
8.96	3	30	3/4"	#10	WAREWASHER #22	29	30						
						31	32						
						33	34	EXISTING ITEM	#12 1/2"	20	3	1.00	
						35	36						
38.23	3	150	1.5"	#1/0	PANEL "A1"	37	38						
						39	40	WAREWASHER #22	#10 3/4"	30	3	7.34	
					SPACE	41	42						

70.04	TOTAL LOAD :	96,180 VA --- 267 AMPS.	26.14
	LOAD CALCULATIONS:		
	KITCHEN EQUIP. (88.83 KVA) @65% :	57,739 VA	
	A/C @ 100% :	14,860 VA	
	BALANCE(7.00 KVA) @100% :	7,000 VA	
	TOTAL DEMAND LOAD :	79,599 VA --- 221 AMPS.	
	FEEDER: 4 # 300 MCM CU, THWN AND #2 CU GR. IN 3" CONDUIT.		

TYPE	G.E.	MAIN BUS	800 A
SERVICE	3Ø, 4W	MAINS	M.L.O.
VOLTAGE	120/208	A.I.C. :	42,000

PANEL "CP"

(EXISTING PANEL)

K/VOLT AMP	POLE	TRIP	CON DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON DUIT	TRIP	POLE	K/VOLT AMP
42.00	3	200	2.5"	#4/0	EXISTING LOAD	1	2						
						3	4	EXISTING STEAM GENERATOR	#250 MCM	2.5"	250	3	53.00
						5	6						
						7	8						
77.01	3	250	3"	#300 MCM	PANEL "KA"	9	10	EXISTING LOAD	#4/0 2.5"	200	3	42.00	
						11	12						

119.01

95.00

TOTAL DEMAND LOAD : 214,010 VA --- 595 AMPS.

FEEDER: (2) SETS OF 4 # 600 MCM CU, THWN IN 4" EACH CONDUIT.

EXISTING FIELD VERIFY

PNL "KA"

250 AMP 3Ø SERVICE: 4 #300 MCM AT 208 V TO PANEL "KA"

VOLTAGE DROP EQUATION GIVEN BY:

$$VD = 1.732 * I * R * L / 1000$$

WHERE I = LOAD IN AMPS,
R = ALTERNATING CURRENT RESISTANCE FROM NEC TABLE 9.9,
L = LENGTH OF RUN IN FEET, AND
Q = RAC/RDC WHERE RAC = ALTERNATING CURRENT RESISTANCE FROM NEC TABLE 9.9 AND RDC = DIRECT CURRENT RESISTANCE FROM NEC TABLE 9.8.

$$VD = 1.732 * (.044 / .0367) * 250 * .044 * 280 / 1000$$
$$VD = 6.34 V$$
$$VD\% = 6.34 / 360 = 0.017 = 1.70\%$$

MAXIMUM VOLTAGE DROP TAKEN TO BE 2%

TYPE

G.E.

SERVICE

3Ø, 4W

VOLTAGE

120/208

PANEL "A1"

MAIN BUS

150 A

MAINS

M.L.O.

A.I.C. :

10,000

K/VOLT AMP	POLE	TRIP	CON DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON DUIT	TRIP	POLE	K/VOLT AMP
1.70	2	20	1/2"	#12	COMPRESSOR #34.1	1	2	EXHUAUST #43	#12 1/2"	20	3	2.16	
1.41	2	20	1/2"	#12	COMPRESSOR #35.1	3	4						
0.60	1	20	1/2"	#12	REFRIGERATOR #37	5	6						
6.48	2	30	3/4"	#10	OVEN FINISHING #48	7	8	COMPRESSOR #37.1	#12 1/2"	20	1	1.41	
						9	10	EXHUAUST #43	#10 3/4"	30	3	7.20	
4.62	2	30	3/4"	#10	COFFEE MAKER #49	11	12						
0.87	1	20	1/2"	#12	REFRIGERATOR #51	15	16	COFFEE GRINDER #28	#12 1/2"	20	1	0.36	
1.50	1	20	1/2"	#12	KITCHEN UTILITY RECP	17	18	SPACE					
					SPACE	19	20	AHU/CU #2	#10 3/4"	40	2	5.00	
5.00	2	40	3/4"	#10	AHU/CU #1	21	22						
						23	24	CU #3	#10 3/4"	40	2	4.29	
0.57	2	40	3/4"	#10	AHU #3	25	26						
						27	28	UTILITY GFI RECP	#12 1/2"	20	1	1.50	
2.50	3	20	1/2"	#12	HOOD MAKE-UP	29	30	EXHAUST FAN	#12 1/2"	20	1	0.50	
						31	32						
1.50	1	20	1/2"	#12	KITCHEN UTILITY RECP #50	35	36	EXISTING ITEM	#12 1/2"	20	3	1.00	
0.84	1	20	1/2"	#12	CONTROL WIRING #43.1	37	38	CLOSET RECEP	#12 1/2"	20	1	0.50	
0.13	1	20	1/2"	#12	POS #45	39	40	CLOSET RECEP	#12 1/2"	20	1	0.50	

25.29

24.45

TOTAL LOAD :

49,740 VA --- 138 AMPS.

LOAD CALCULATIONS:

KITCHEN EQUIP. (32.88 KVA) @65% : 21,372 VA

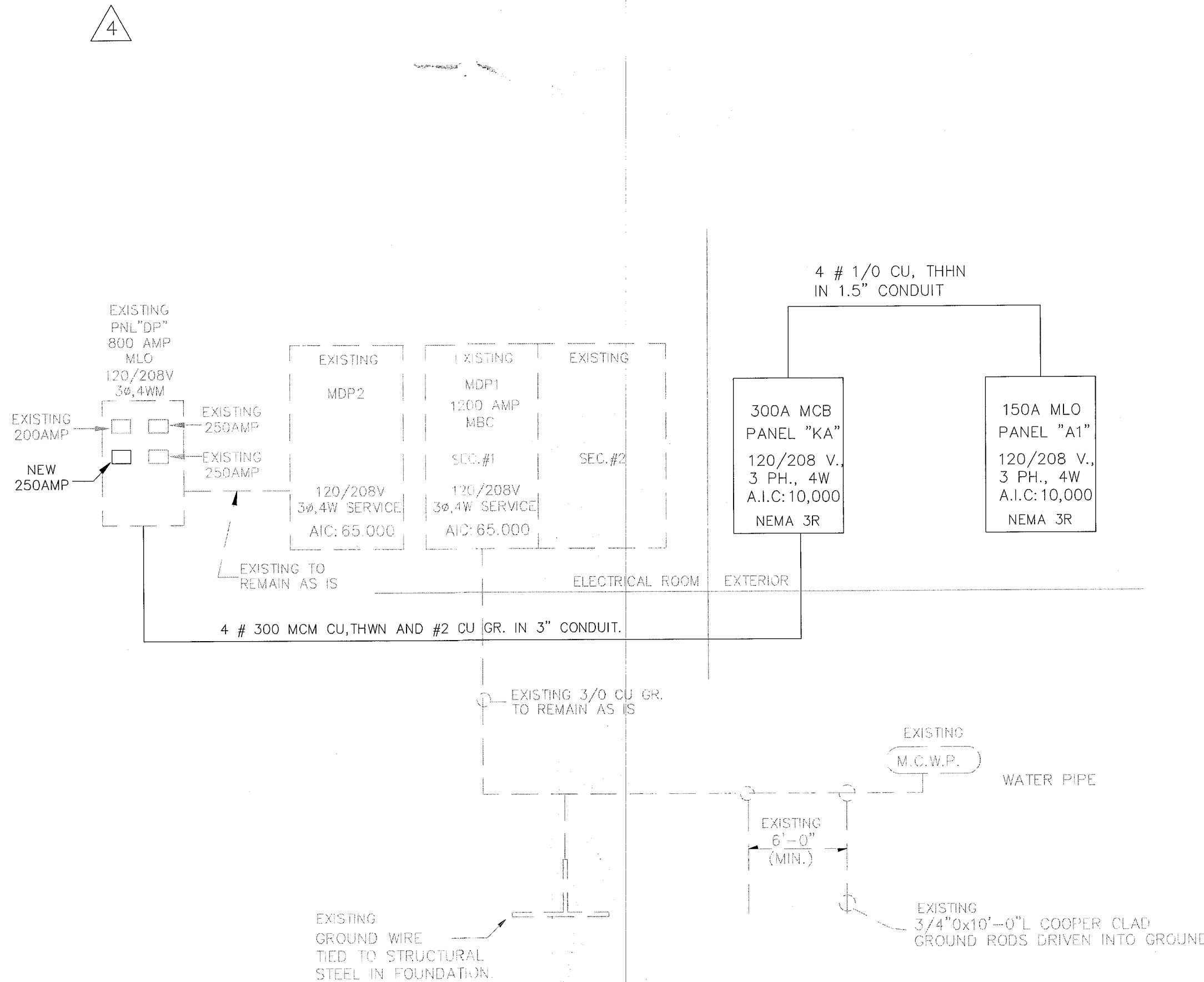
A/C @ 100% : 14,860 VA

BALANCE(11.50 KVA) @100% : 2,000 VA

TOTAL DEMAND LOAD : 38,232 VA --- 106 AMPS.

FEEDER: 4 # 1/0 CU, THW IN 1.5" CONDUIT.

* - KITCHEN LOADS - ALL KITCHEN OUTLETS SHALL BE AFCI RATED



ELECTRICAL RISER DIAGRAM

THE STANDARD

40 ISLAND AVE
MIAMI BEACH, FL 33139

BAYSIDE GRILL
FIRE ALARM

1.00 Standards & Codes:
A. The publications listed below form a part of this publication to the extent referenced. The publications are referenced in the text by the basic designation only. The latest version of each listed publication shall be used as a guide unless the Authority Having Jurisdiction has adopted an earlier version.
B. National Fire Protection Association (NFPA)
Most current or approved Standard
1. NFPA 13 Standard For The Installation of Sprinkler Systems.
2. NFPA 13A Recommended Practice For The Inspection, Testing And Maintenance of Sprinkler Systems.
3. NFPA 70 National Electrical Code.
4. NFPA 72 National Fire Alarm Code.
5. NFPA 90A Standard For The Installation of Air Conditioning And Ventilating Systems.
6. NFPA 101 Life Safety Code.
C. Underwriters' Laboratories, Inc. (UL) Appropriate "UL" equipment standards.
1. "UL" 864 Control Panels.
2. "UL" 268 Smoke Detectors.
3. "UL" 268A Smoke Detectors (HIVAC).
4. "UL" 464 Audible Signal Appliances.
5. "UL" 1971, Standard for Visual Signaling Appliances.
D. Building Codes
1. BOCA National Building Code and the BOCA Fire Code.
2. Standard Building Code and the Standard Fire Code.
3. Uniform Building Code and the Uniform Fire Code.
4. International Building Code and the International Fire Code.
5. NFPA 5000 Building Code.
6. State and Local Building Codes as adopted and/or amended by The Authority Having Jurisdiction.
7. ADA, and/or State and local equivalency standards as adopted by The Authority Having Jurisdiction.

KITCHEN HOOD SEQUENCE OF OPERATION:

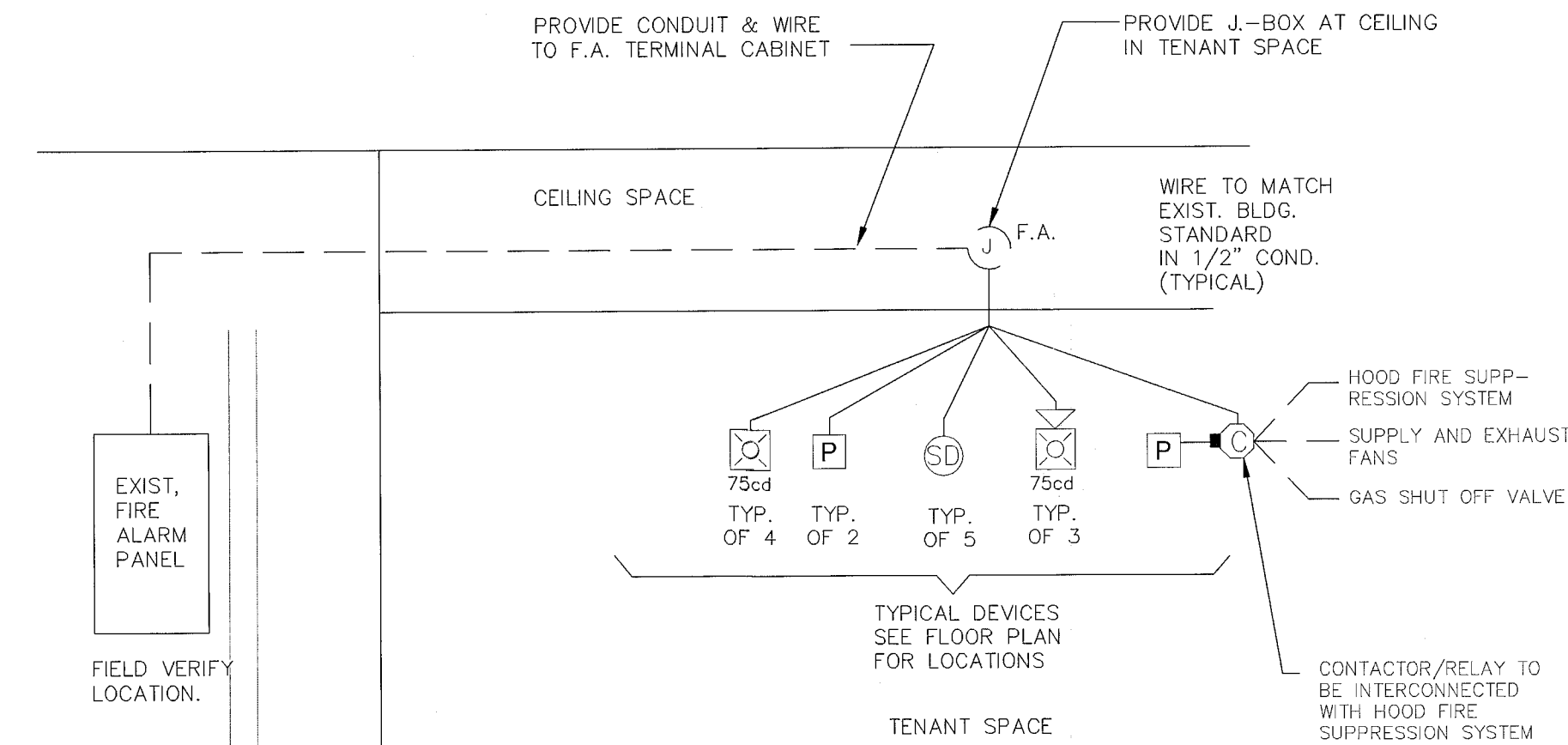
- A. SUPPLY AND EXHAUST FANS ARE INTERLOCKED WITH FIRE SYSTEM MICROSWITCH.
- B. FIRE MODE REQUIRES EXHAUST FAN TO OPERATE CONTINUALLY AND STOP SUPPLY FAN.
- C. HOOD EXHAUST FANS SHALL OPERATE WHENEVER THE EXTINGUISHING SYSTEM IS ACTIVATED.
- D. FIXED PIPE EXTINGUISHING SYSTEMS IN A SINGLE HAZARD AREA SHALL BE ARRANGED FOR SIMULTANEOUS AUTOMATIC OPERATION UPON ACTIVATION OF ANYONE OF THE SYSTEMS.
- E. GAS AND ELECTRICAL EQUIPMENT AND OUTLETS SERVED BY THE HOOD SHALL BE DEACTIVATED IN THE EVENT OF A FIRE SYSTEM ACTUATION PER NFPA 96 10.4
- F. ACTUATION OF THE FIRE SYSTEM SHALL SIGNAL THE ALARM SYSTEM SERVING THE AREA OCCUPIED BY THE HOOD PER NFPA 96 10.6
- G. SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 17A AND NFPA 96, LATEST EDITIONS.
- H. NFPA 17A NOTES:
3-2.1.4 ALL DEVICES INDOORS.
3-6.1.3 ALL PIPE PENETRATIONS SEALED BY UL LISTED QUICK SEALS.
4.C BALLOON TEST PER MANUFACTURER.
4.E SEE PLAN FOR APPLIANCE LAYOUT.
4-2.1.2.3 PLAN DETAILS AND FUNCTION SEQUENCE LISTED.

FIRE ALARM:

FIRE ALARM SYSTEM SHALL ONLY BE RESET FROM THE MAIN PANEL.
PLEASE ACKNOWLEDGE ON PLANS.

FIRE ALARM:

FIRE ALARM SHOP DRAWINGS WILL BE PROVIDED BY THE CONTRACTOR AT LATER DATE FOR REVIEW.

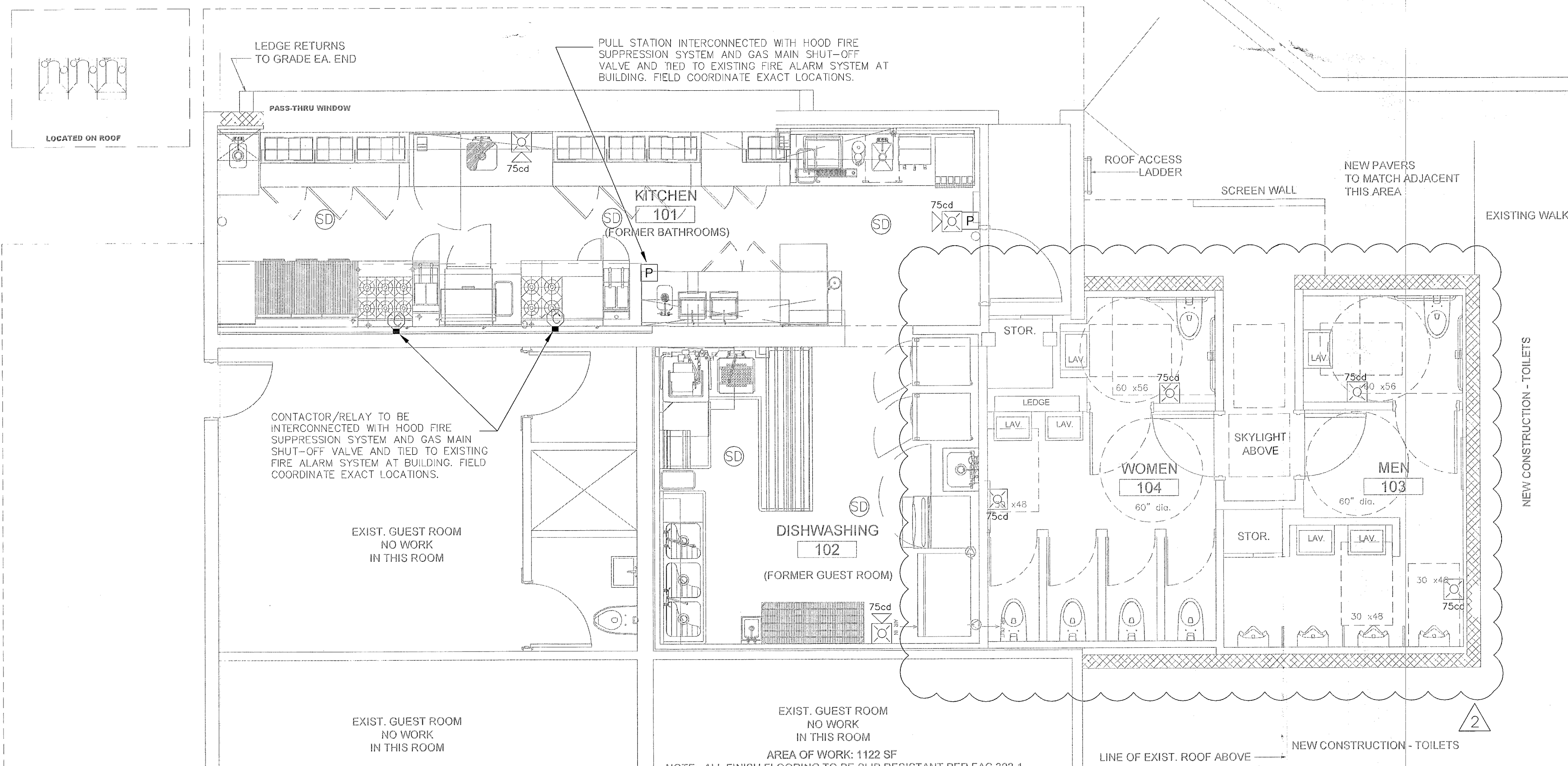


PARCIAL FIRE ALARM PLAN

FIRE ALARM SYMBOL LEGEND:

- ☒ HORN/STROBE CEILING LIGHT TO MATCH BUILDING STD.
- P PULL STATION - FIELD VERIFY
- SD SMOKE DETECTOR
- ☒ HORN/STROBE CEILING LIGHT TO MATCH BUILDING STD.
- ⊙ CONTACTOR RELAY

ALL NEW COMPONENTS SHALL BE U.L. APPROVED
ALL CONDUCTORS SHALL BE THWN COPPER NO. 14 AWG IN 1/2" COND. (MIN.)
EXISTING ALARM SYSTEM IS NON-POWER LIMITED.
FIELD VERIFY PREVIOUS SSTART THE WORK.



NOTE: ALL FINISH FLOORING TO BE SLIP RESISTANT PER FAC 302-1
1 FIRE ALARM PLAN
1/4" = 1'-0"

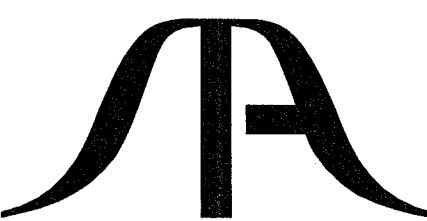
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40 ISLAND AVE
MIAMI BEACH, FL 33139

REVISIONS BY

1 GEN. REV. 02.14.13

2 GEN. REV. 04.05.13

STAMP

ESI
ENERGY SCIENCES INC
CONSULTING ENGINEERS
C.A. #27265
ESBER AND DOGLU, P.E.
MECH./ELEC. - #42454
2821 DOUGLAS ROAD
MIDLAND, TX 79703
TEL. 817-438-8826
FAX 817-438-7375
e-mail: energy@earthlink.net

TODD TRAGASH, A.I.A. FLORIDA
REGISTRATION NUMBER #11053

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DRAWN BY

CHECKED BY

DATE
07.31.12

SCALE
1/4" = 1' 0"

JOB NO.
3015

FILE NO.

SHEET

E-4.1



STA ARCHITECTURAL GRC

3526 NORTH MIAMI AVE. MIAMI, FL 3
305.571.1811 FAX 305.571



NTS

FIRE ALARM SYMBOL LEGEND:



ALL NEW COMPONENTS SHALL BE U.L. APPROVED
ALL CONDUCTORS SHALL BE THWN COPPER NO. 14 AWG IN 1/2" COND. (MIN.)
EXISTING ALARM SYSTEM IS NON-POWER LIMITED.
FIELD VERIFY PREVIOUS SSTART THE WORK.

City of Miami Beach
Fire Prevention Division
PLANS APPROVED



OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
FLOOD:
PUBLIC WORKS:
STRUCTURAL:
ELEVATOR:

50 11/13

三-4.1

STA ARCHITECTURAL GRC

3526 NORTH MIAMI AVE. MIAMI, FL 3
305.571.1811 FAX 305.571

BR EV 140002
40 Island Av
B1205616



MIAMI BEACH

Plan Routing Sheet

General Information		
Date 10/08/2013.	Process/Permit Number Re-Submittals-Only BR6V-140007.	Historic (Y/N)
Job Address 40 Island Ave.		
Contact Name. D. Gallo	E-mail permdirector@dmr.com	Telephone 3-447-0123

Re-submittals - New Sheets:



Yes



No

List all new sheets:

P-3, P-4

OFFICE USE ONLY

Required Approvals - As Indicated		
☐ Planning & Zoning	☒ Fire	☐ Public Works
☐ Flood Plain Management	☐ Building	☐ Structural
☒ Electrical	☐ Mechanical	☒ Plumbing
☐ Elevator		

Comments:

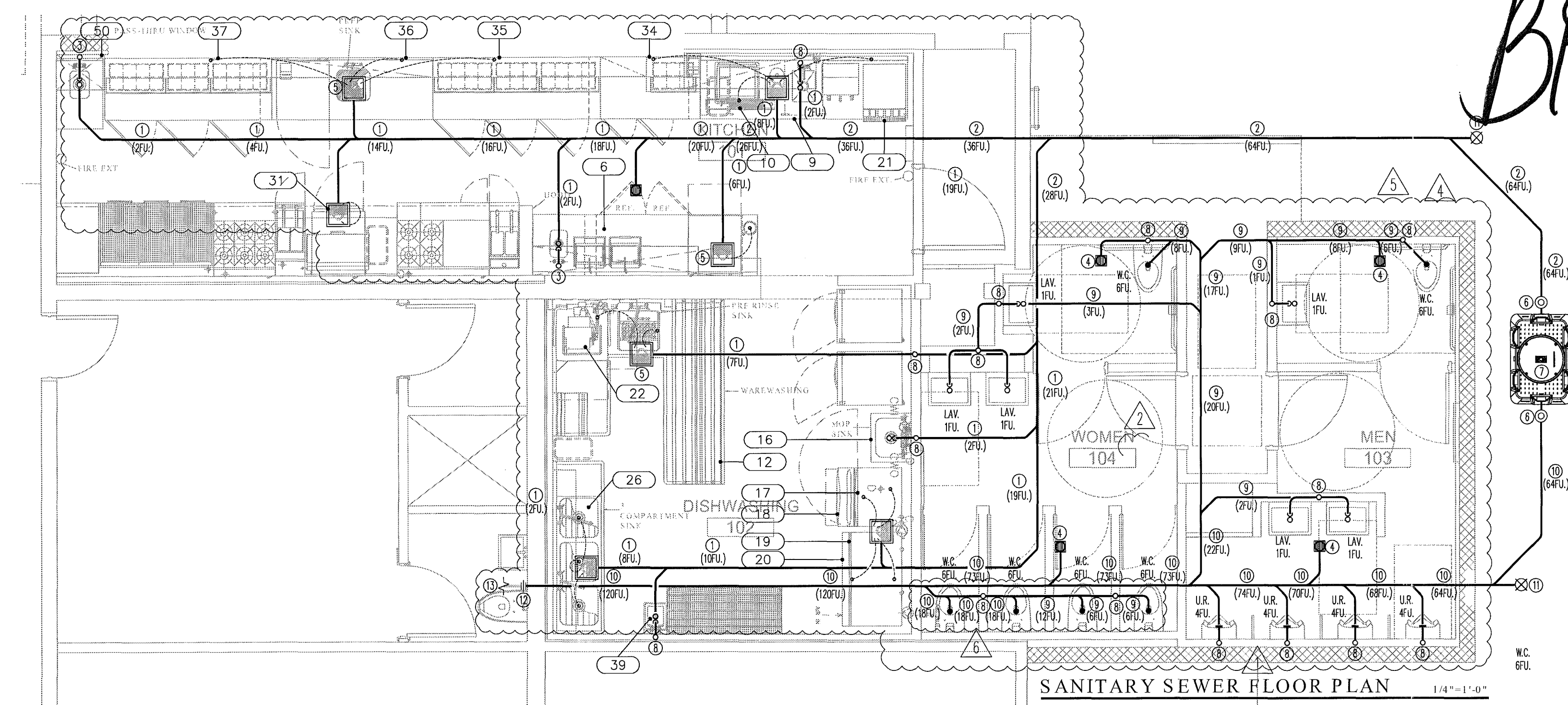
Reviewer: *Opiumy*

Date: 10/8/13

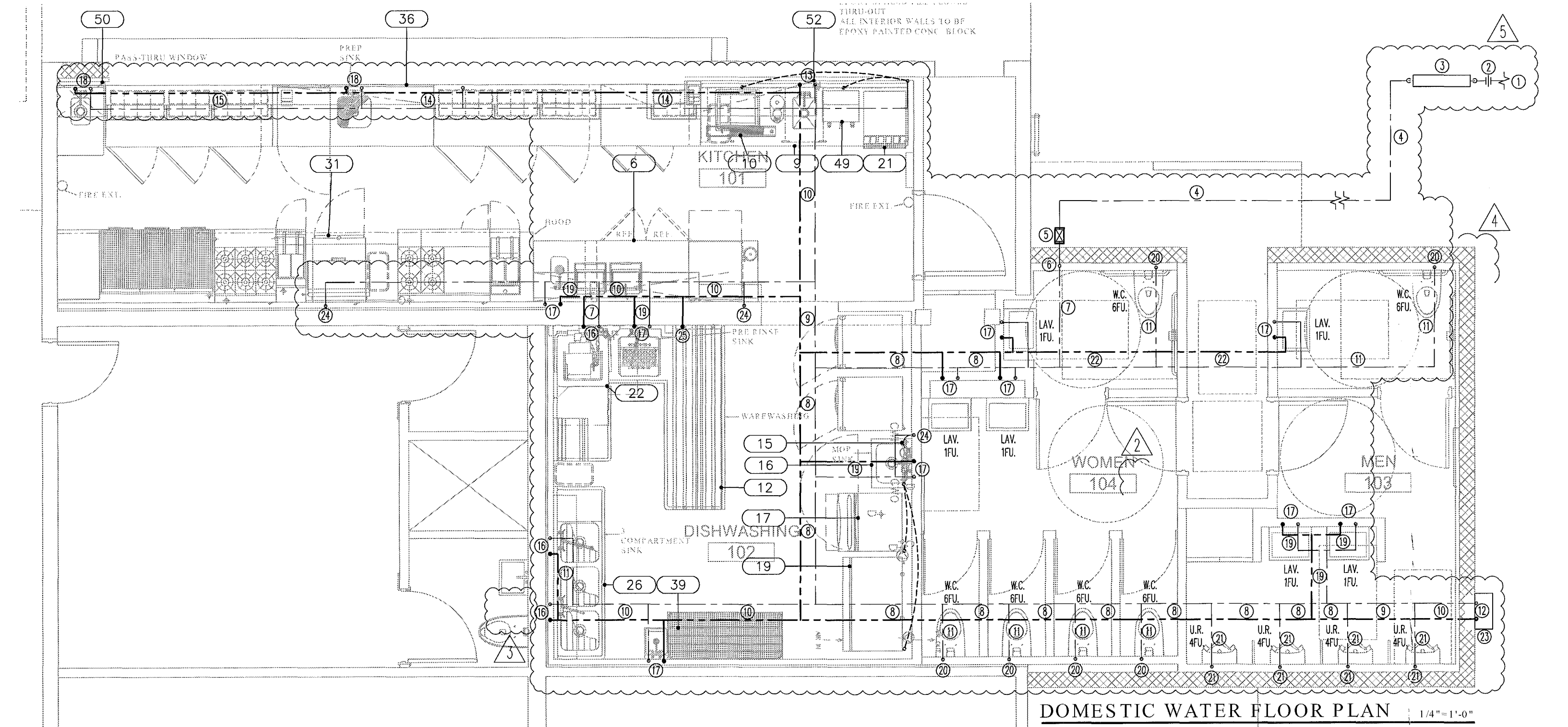
☒ . Walk Thru

☐ Drop Off

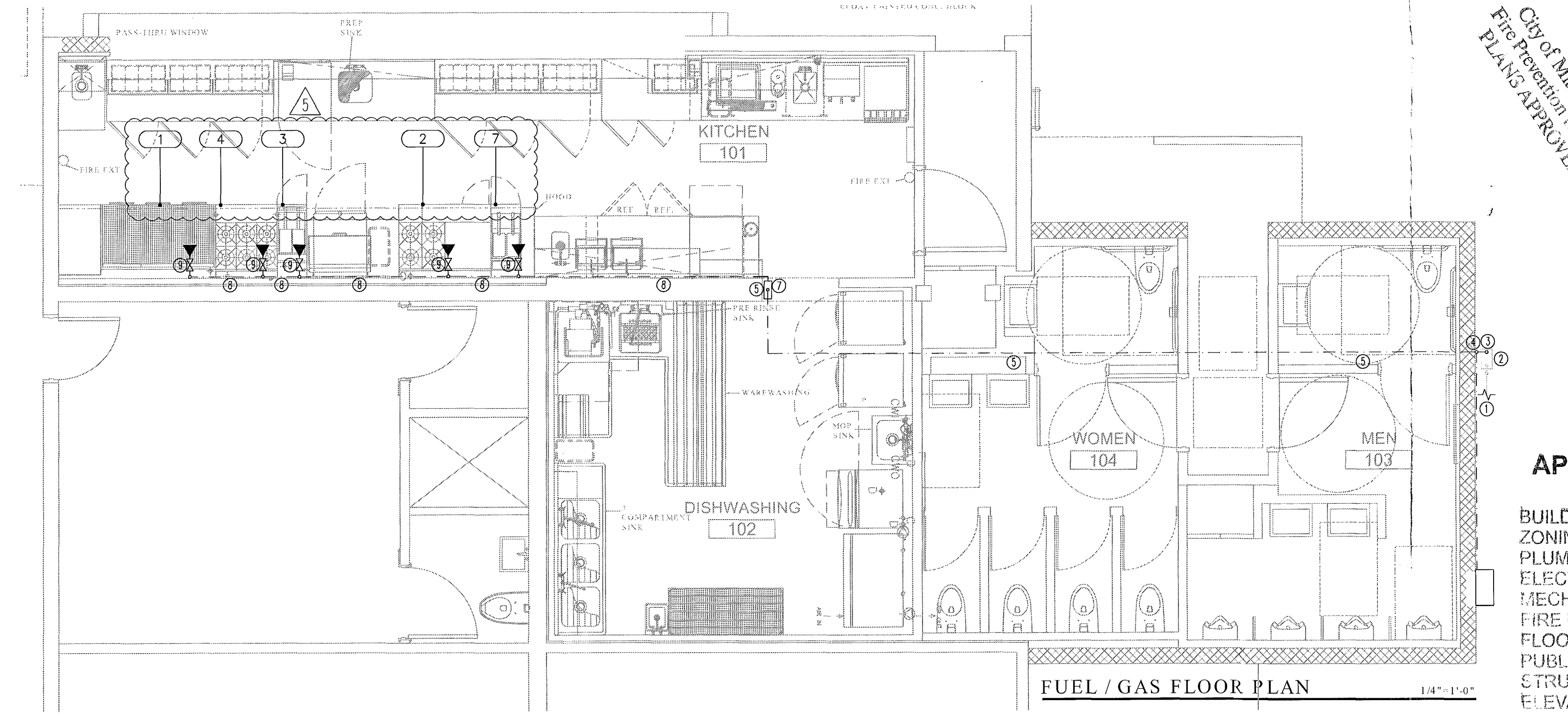
BREV 14007



SANITARY SEWER FLOOR PLAN 1/4" = 1'-0"



DOMESTIC WATER FLOOR PLAN 1/4" = 1'-0"



FUEL / GAS FLOOR PLAN 1/4" = 1'-0"

- PLUMBING KEY**
1. 3" SAN. / 1" VENT.
 2. 4" SAN. / 1" VENT.
 3. 3" SAN. STACK WITH 2" AIR ADMITTANCE VALVE.
 4. 2" FLOOR DRAIN WITH 1/2" C.W. TRAP PRIMER. (2"U.)
 5. FLOOR SINK. (5"U.)
 6. 2" WY CLEAN OUT.
 7. GREASE TRAP BY SCHER MODEL-GR-75, 75GPM, 616 LBS, OR APPROVED EQUAL. FIELD COORDINATE EXACT LOCATION.
 8. 3" SAN/VENT STACK.
 9. 3" SAN/VENT / 1" B.G. (2"U.)
 10. 4" SAN/VENT / 1" B.G. (2"U.)
 11. GRADED CLEAN OUT.
 12. CONNECT NEW TO EXISTING AT THIS POINT.
 13. EXISTING SANITARY SEWER LINE TO REMAIN AS IS. SCOPE OF WORK LIMITED TO CONNECT NEW TO EXISTING. FIELD VERIFY FOR EXACT LOCATION AND COORDINATE FOR CONNECTION.
 14. 2" D. WITH 1/2" C.W. TRAP PRIMER.
 15. 2" D. WITH FURNEL AND 1/2" C.W. TRAP PRIMER.
- NOTE: PROVIDE 1/2" C.W. TO FLOOR DRAINS

- PLUMBING KEY**
1. EXISTING 2" C.W. LINE TO REMAIN AS IS. SCOPE OF WORK LIMITED TO CONNECT NEW TO EXISTING. FIELD VERIFY EXACT LOCATION.
 2. CONNECT NEW TO EXISTING AT THIS POINT. FIELD COORDINATE EXACT LOCATION.
 3. NEW 2" C.W. BACKFLOW PREVENTER. FIELD COORDINATE EXACT LOCATION.
 4. NEW 2" C.W. BELOW GRADE. FIELD COORDINATE FOR EXACT LOCATION.
 5. NEW SHUT OFF VALVE. FIELD COORDINATE EXACT LOCATION.
 6. NEW 2" C.W. LINE UP TO C.G. FIELD COORDINATE FOR EXACT LOCATION.
 7. NEW 2" C.W. LINE AT C.G. FIELD COORDINATE FOR EXACT LOCATION.
 8. NEW 2" C.W. / 1" W. LINES AT C.G. FIELD COORDINATE FOR EXACT LOCATION.
 9. NEW 1 1/2" C.W. / 1" W. LINES AT C.G. FIELD COORDINATE FOR EXACT LOCATION.
 10. NEW 1" C.W. / 1/2" W. LINES AT C.G. FIELD COORDINATE FOR EXACT LOCATION.
 11. NEW 1" C.W. LINE AT CEILING. FIELD COORDINATE EXACT LOCATION.
 12. NEW 1" C.W. LINE DOWN TO GAS FIRED WTR-HTR AND 1/2" W. UP TO CEILING. FIELD COORDINATE EXACT LOCATION.
 13. 3/4" C.W. / 1/2" W. LINES DOWN TO 38" AFF. PROVIDING 2" C.W. / 1/2" W. TO SINK. FIELD COORDINATE FOR EXACT LOCATION.
 14. 3/4" C.W. / 1/2" W. LINES APPROX. 38" AFF. RUNNING AGAINST WALL. FIELD COORDINATE FOR EXACT ROUTING.
 15. 3/4" C.W. / 1/2" W. LINES APPROX. 38" AFF. RUNNING AGAINST WALL. FIELD COORDINATE FOR EXACT ROUTING.
 16. 3/4" C.W. / 1/2" W. LINES DOWN TO FIXTURE.
 17. 3/4" C.W. / 1/2" W. LINES DOWN TO FIXTURE.
 18. 3/4" C.W. / 1/2" W. LINES TO FIXTURE.
 19. 3/4" C.W. / 1/2" W. LINES AT CEILING. FIELD COORDINATE EXACT LOCATION.
 20. 3/4" C.W. / 1/2" W. LINES AT CEILING. FIELD COORDINATE EXACT LOCATION.
 21. 1 1/2" C.W. / 1" W. LINES AT CEILING. FIELD COORDINATE EXACT LOCATION.
 22. 1 1/2" C.W. / 1" W. LINES AT CEILING. FIELD COORDINATE EXACT LOCATION.
 23. GAS FIRED WTR-HTR BY WORTZ MODEL-NC0199, 199 MBTU/H, ETRC-034 OR APPROVED EQUAL. OUTDOOR WALL MOUNTED. FIELD COORDINATE EXACT LOCATION.
 24. 3/4" C.W. DOWN TO FIXTURE. FIELD COORDINATE EXACT LOCATION.
 25. 3/4" C.W. DOWN TO FIXTURE. FIELD COORDINATE EXACT LOCATION.
- NOTE: PROVIDE 3/4" C.W. TO FLOOR DRAINS

- PLUMBING KEY**
1. EXISTING GAS LINE TO REMAIN AS IS.
 2. EXISTING METER TO REMAIN AS IS. FIELD VERIFY FOR EXACT LOCATION.
 3. CONNECT NEW TO EXISTING AT GAS METER OUTLET.
 4. 2.5" GAS LINE AGAINST WALL UP HIGH AT C.G. LEVEL.
 5. 2.5" GAS LINE AT CEILING.
 6. 2.5" GAS LINE DOWN APPROX. 32" AFF. FIELD COORDINATE FOR EXACT LOCATION.
 7. 2.5" GAS LINE DOWN APPROX. 32" AFF. TO BE SUPPRESSED BY 1/2" C.W. LINE.
 8. 2.5" GAS LINE DOWN APPROX. 32" AFF. TO BE SUPPRESSED BY 1/2" C.W. LINE.

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
FLOOD:
PUBLIC WORKS:
STRUCTURAL:
ELEVATOR:

THE STANDARD

40 ISLAND AVE
MIAMI BEACH, FL 33139

BAYSIDE GRILL
SEWER, DOM. WTR.
& GAS FLOOR PLANS

REVISIONS BY

1 GEN. REV.	11.30.12
2 GEN. REV.	02.11.13
3 GEN. REV.	04.22.13
4 GEN. REV.	05.22.13
5 GEN. REV.	09.30.13
6 GEN. REV.	10.07.13

STAMP

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PRIOR TO PROCEEDING WITH WORK.

DRAWN BY	A.L.
CHECKED BY	E.A.
DATE	05.25.11
SCALE	1/4" = 1'-0"
JOB NO.	3015
FILE NO.	
SHEET	P-2.0

STA ARCHITECTURAL GROUP

3528 NORTH MIAMI AVE. MIAMI, FL 33127
305.571.1811 FAX 305.571.1821

40 ISLAND AVE
MIAMI BEACH, FL 33139

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97	Author
98	Author
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TAMP

TODD TRAGASH, A.I.A. FLORIDA
REGISTRATION NUMBER #11053

DRAWN BY A.L.
CHECKED BY E.A.
DATE 05.25.11
SCALE 1/4" = 1'-0"
JOB NO. 3015
FILE NO.
SHEET
P-3.0



BUILDING:
ZONING:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
FLOOD:
PUBLIC WORKS:
STRUCTURAL:
ELEVATOR:

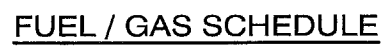


STA ARCHITECTURAL GROUP

 3528 NORTH MIAMI AVE. MIAMI, FL 33132

 305.571.1811

 FAX 305.571.1821



SIZED PER F.B.C. 2010 FUEL/GAS SECTION
TABLE: 402.4(2) SCHEDULE 40 METALLIC PIPE. (0.5 P.S.I.)
TABLE: 402.4(20) POLYETHYLENE PIPE AT 2.0 P.S.I.
TABLE: 402.4(16) CSST AT 2.0 P.S.I.

PLUMBING KEY

- FUEL / GAS ISOMETRIC

N.T.S

PLUMBING KEY

- NOTE: PROVIDE $\frac{1}{2}^{\circ}$ C.W. TO FLOOR DRAINS

SANITARY SEWER ISOMETRIC

N.T.S.

PLUMBING KEY

- NOTE: PROVIDE $\frac{1}{2}$ " C.W. TO FLOOR DRAINS

-3.0

all work to be done by 10/14/10

10/14/10

P L U M B I N G S C H E D U L E																	
ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	GAS SIZE (IN)	MBTUH	GAS ROUGH IN AFF (IN)	COLD WATER SIZE (IN)	CW ROUGH IN AFF (IN)	HOT WATER SIZE (IN)	HOT WATER GPH	HW ROUGH IN AFF (IN)	DIRECT DRAIN SIZE (IN)	DD ROUGH IN AFF (IN)	INDIR DRAIN SIZE (IN)	PLUMBING REMARKS	MEA NO
1	1	BROILER, UNDER-FIRED/GAS	BAKERS PRIDE	EXISTING	0.75	195	30	-	-	-	-	-	-	-	-	4" W.C. NO. VERIFY EXISTING REQUIREMENTS	-
2	1	RANGE, HEAVY DUTY, GAS	SOUTHBEND	P36D-TTB W/ P12C-B	1.0	241	30	-	-	-	-	-	-	-	-	1-1/4" FIRM MANIFOLD CONNECTION TO ADD-ON RANGE (P12C-B), 7" W.C. N.G.	-
3	1	FRYER, DEEP FAT, GAS	PITCO	SG14S	0.75	110	15	-	-	-	-	-	-	-	-	6" W.C. N.G.	-
3.1	1	FRYER SHIELD	GOLDENSHEIN	FS	-	-	-	-	-	-	-	-	-	-	-	-	-
4	1	RANGE, HEAVY DUTY, GAS	SOUTHBEND	P32D-BBB	1.0	243	30	-	-	-	-	-	-	-	-	7" W.C. N.G.	-
5	2	GRIDDLE, DOUBLE-SIDED, ELECTRIC	EQUIPEX	PANINI	-	-	-	-	-	-	-	-	-	-	-	-	-
6	1	REFRIGERATED WORK TABLE, REMOTE	DELFIELD	18WR54R	-	-	-	0.5	18	0.5	-	18	1.5	16	1.0	W TO PS	-
-	-	-	-	-	-	-	-	0.5	18	-	-	-	-	-	-	-	-
7	1	FRYER, DEEP FAT, GAS	PITCO	SG14S	0.75	110	15	-	-	-	-	-	-	-	-	-	-
8	1	TABLE, WORK, 14 GAUGE, BACK SPLASH W/O UNDERSHELF	PKI	WORK TABLE 30X48	-	-	-	-	-	-	-	-	-	-	-	-	-
9	1	TABLE, ENCLOSED BASE, BEVERAGE	ADVANCE TABCO	BEV-30-108R	-	-	-	0.5	18	0.5	-	18	1.5	16	-	-	-
10	1	2 GROUP ESPRESSO MACHINE	LA SPAZIALE	S5_EK	-	-	-	0.375	50	-	-	-	-	-	1.25	W TO PS INTERCONNECTED TO WATER FILTER ITEM #15	-
11	1	TABLE, WORK, 16 GAUGE, BACK SPLASH W/O UNDERSHELF	PKI	WORK TABLE 36X22	-	-	-	-	-	-	-	-	-	-	-	-	-
12	1	DISHTABLE, 'L' SHAPE, 14 GAUGE	PKI	SOILED DISHTABLE	-	-	-	0.5	14	0.5	-	14	-	-	1.5	W TO PS	-
13	1	FREEZER, REACH-IN	TRUE FOOD SERVICE	STG1F-1S	-	-	-	-	-	-	-	-	-	-	-	-	-
14	1	REFRIGERATOR, REACH-IN	TRUE FOOD SERVICE	STG1R-1S	-	-	-	-	-	-	-	-	-	-	-	-	-
15	1	FILTER SYSTEM, ICEMAKER	EVERPURE	EV9324-22	-	-	-	0.75	60	-	-	-	-	-	-	INTERCONNECTED TO ITEM # 17 & 19	-
16	1	SINK, MOP	PKI	MOP SINK 20X24	-	-	-	0.5	18	0.5	-	18	3.0	3	-	6" DI UP	-
17	1	ICE MAKER W/O BIN	MANITOWOC ICE	ID-0502A	-	-	-	0.375	52	-	-	-	-	-	1.0	W TO PS INTERCONNECTED TO WATER FILTER ITEM #15	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-
18	1	BIN, ICE	MANITOWOC ICE	B-570	-	-	-	-	-	-	-	-	-	-	1.0	W TO PS	-
19	1	ICE MAKER W/O BIN	HOSHIZAKI AMERICA	KM-1301SAH	-	-	-	0.5	71	-	-	-	-	-	1.0	W TO PS INTERCONNECTED TO WATER FILTER ITEM #15	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	-
20	1	BIN, ICE	HOSHIZAKI AMERICA	B-1300SS	-	-	-	-	-	-	-	-	-	-	1.0	W TO PS	-
21	1	STAINLESS STEEL SODA AND ICE DISPENSING TOWER	LANCER	IBD 4500 22"	-	-	-	0.375	50	-	-	-	-	-	1.0	W TO PS INTERCONNECTED TO WATER FILTER ITEM #15	-
22	1	WAREWASHER, DOOR TYPE, HIGH TEMP	HOBART US FOODSERVICE	AM15VLT-2	-	-	-	0.5	73	0.5	-	42	-	-	1.5	W TO PS 1/4" W/BRAM WATER TEMP.	-
23	1	DISHTABLE, STRAIGHT, 14 GAUGE	PKI	CLEAN DISHTABLE 51X30	-	-	-	-	-	-	-	-	-	-	-	-	-
24	1	DISHTABLE, SORTING SHELF	PKI	SORTING SHELF 22"	-	-	-	-	-	-	-	-	-	-	-	-	-
25	1	POT RACK, WALL MOUNT	PKI	POT RACK 84X12	-	-	-	-	-	-	-	-	-	-	-	-	-
26	1	SINK, NSF, 3 COMP, 14 GAUGE	PKI	3 COMP SINK	-	-	-	0.5	14	0.5	-	14	-	-	1.5	W TO PS	-
-	-	-	-	-	-	-	-	0.5	14	0.5	-	14	-	-	1.5	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	-
27	1	SHELVING, PLASTIC, LOUVERED	INTERMETRO INDUSTRIES	MQ2460G	-	-	-	-	-	-	-	-	-	-	-	-	-
28	1	COFFEE GRINDER	N/A	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-
29	1	FREEZER, UNDERCOUNTER, COMPACT	TRUE FOOD SERVICE	TUC-27F-LP	-	-	-	-	-	-	-	-	-	-	-	-	-
30	2	SHELF, WALL MOUNT	ADVANCE TABCO	WS-18-24	-	-	-	-	-	-	-	-	-	-	-	-	-
31	1	CABINET, HOLDING/PROOFING	WINSTON INDUSTRIES	HA4507	-	-	-	0.25	5	-	-	-	-	-	1.0	W TO PS	-
32	1	DISHTABLE, SORTING SHELF	PKI	SORTING SHELF 95	-	-	-	-	-	-	-	-	-	-	-	-	-
33	1	S/S OVERSHELF	DELFIELD	10X84	-	-	-	-	-	-	-	-	-	-	-	-	-
33.1	1	S/S OVERSHELF	DELFIELD	10X24.5	-	-	-	-	-	-	-	-	-	-	-	-	-
34	1	REFRIGERATOR, SANDWICH/SALAD PREP, REMOTE	DELFIELD	CUSTOM	-	-	-	-	-	-	-	-	-	-	1.0	W TO PS	-
34.1	1	COMPRESSOR	AMERICOLD	N/A	-	-	-	-	-	-	-	-	-	-	-	-	N/A
35	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	CUSTOM	-	-	-	-	-	-	-	-	-	-	1.0	W TO PS	-
35.1	1	COMPRESSOR	AMERICOLD	N/A	-	-	-	-	-	-	-	-	-	-	-	-	N/A
36	1	TABLE, ENCLOSED BASE, HINGE DOORS	PKI	WT31.5X84	-	-	-	0.5	14	0.5	-	14	-	-	1.5	W TO PS	-
37	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	CUSTOM	-	-	-	-	-	-	-	-	-	-	1.0	W TO PS	-
37.1	1	COMPRESSOR	AMERICOLD	N/A	-	-	-	-	-	-	-	-	-	-	-	-	N/A
38	1	DOUBLE OVERSHELF; SOLID SS	CUSTOM	DOS-15X118.5	-	-	-	-	-	-	-	-	-	-	-	-	-
39	1	SINK, HAND, WALL MOUNT	JOHN BOOS & CO.	PBHS-99-P-SSTD	-	-	-	0.5	18	0.5	-	18	1.5	16	-	-	-
40	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303	-	-	-	-	-	-	-	-	-	-	-	-	-
41	1	SHELF, WALL MOUNT	ADVANCE TABCO	WS-18-72	-	-	-	-	-	-	-	-	-	-	-	-	-
42	1	POS PRINTER	BY OWNER	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-
43	1	EXHAUST HOOD	CAPTIVE-AIRE	CUSTOM	-	-	-	-	-	-	-	-	-	-	-	-	-
43.1	1	EMS BOX	CAPTIVE AIRE	311110KT	-	-	-	-	-	-	-	-	-	-	-	-	-
44	1	ANSUL SYSTEM	CAPTIVE AIRE	R-102	-	-	-	-	-	-	-	-	-	-	-	-	-
45	1	POS PRINTER	BY OWNER	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-
45.1	1	PRINTER SHELF	PKI	PRNTRSHLF	-	-	-	-	-	-	-	-	-	-	-	-	-
46	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	342023-03	-	-	-	-	-	-	-	-	-	-	-	-	-
47	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303	-	-	-	-	-	-	-	-	-	-	-	-	-
48	1	OVEN, FINISHING	EQUIPEX	SEM-80VC-3	-	-	-	-	-	-	-	-	-	-	-	-	-
49	1	COFFEE MAKER, INSULATED SERVER, AUTOMATIC	FETCO	CBS-2032E	-	-	-	0.375	50	-	-	-	-	-	-	INTERCONNECTED TO WATER FILTER ITEM #15	-
50	1	TABLE, WORK, 14 GA., BACK SPLASH W/OUT UNDERSHELF	PKI	WORK TABLE 36X24	-	-	-	0.5	18	0.5	-	18	1.5	16	-	-	-
51	1	FREEZER, UNDERCOUNTER	TRUE FOOD SERVICE	TUC-27F-D-2	-	-	-	-	-	-	-	-	-	-	-	-	-
52	1	FILTER SYSTEM, COFFEE MAKER	EVERPURE	EV9272-00	-	-	-	0.25	26	-	-	-	-	-	-	INTERCONNECTED TO TAPS TO 10, 21 & 49	-
53	1	OPEN NUMBER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

double check
8/2/20
A bracket
1000 90,740

THE STANDARD

40 ISLAND AVE
MIAMI BEACH, FL 33139

BAYSIDE GRILL
PLUMBING
EQUIPMENT SCHED.

REVISIONS BY

1-GEN REV. 09.30.13

STAMP

ESI
ENERGY SERVICES INC.
CONSULTING ENGINEERS
CA #12765
DESIGNER: MICHAEL P. E.
MECH. #12765
SEE: [Signature]
Tel: 305-444-8888
Fax: 305-444-7775
e-mail: energy@esiconsult.com

TODD TRAGASH, A.I.A. FLORIDA
REGISTRATION NUMBER #11053

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DRAWN BY A.L.
CHECKED BY E.A.
DATE 05.25.11
SCALE 1/4" = 1'-0"
JOB NO. 3015
FILE NO.
SHEET P-4.0

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: _____
ZONING: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
FOOD: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____

21010843

STA ARCHITECTURAL GROUP

3526 NORTH MIAMI AVE, MIAMI, FL 33127
305.571.1811 FAX 305.571.1821

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B1205616

40 Island Av

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MIAMI BEACH

Plan Routing Sheet

General Information		
Date 10/2/2013	Process/Permit Number Re-Submittals Only BREM40010	Historic (Y/N)
Job Address 40 Island Ave		
Contact Name D. Gallo	E-mail pearlwoodcolor@aol.com	Telephone 3-447-0123

Re-submittals - New Sheets:

☐ Yes

☐ No

List all new sheets:

OFFICE USE ONLY

Required Approvals - As Indicated		
☐ Planning & Zoning	☒ Fire	☐ Public Works
☐ Flood Plain Management	☒ Building	☐ Structural
☐ Electrical	☒ Mechanical	☐ Plumbing
☐ Elevator		

Comments:

Reviewer: **AS**

Date: **10/2/13**

☒ **Walk Thru**

☐ **Drop Off**