

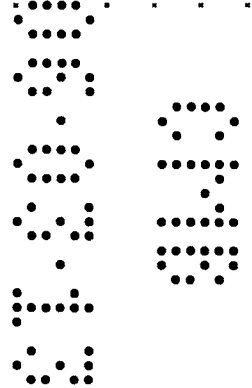
OPTIMUS STRUCTURAL DESIGN LLC

CONSULTING ENGINEERS

7850 NW 146 Street, Suite 305, Miami Lakes, FL 33016

T. 305.512.5860 F. 305.512.5861

www.optimussd.com

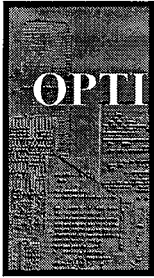


NARRATIVE FOR STRUCTURAL REVISION #3
FOR THE "BAYSIDE GRILL AT THE STANDARD"

LOCATED AT
40 ISLAND AVENUE
MIAMI BEACH, FLORIDA 33139

Tanya Homleid P.E.
PE#61706

May 28, 2013



OPTIMUS STRUCTURAL DESIGN LLC

CONSULTING ENGINEERS

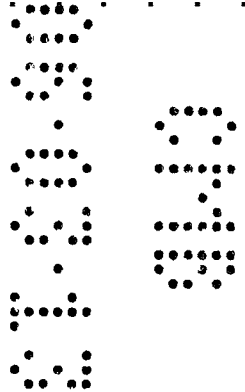
7850 NW 146 Street, Suite 305, Miami Lakes, FL 33016

T. 305.512.5860 F. 305.512.5861

www.optimussd.com

May 28, 2013

City of Miami Beach
Building Department



NARRATIVE FOR STRUCTURAL REVISION #3:

ITEM / DWG No.	REVISIONS DESCRIPTION
1. S-1.0	Minor revision to layout at Ground Level of the new addition area as per latest architectural drawings; dimensions revised as per architectural drawings; does not effect previously permitted design
2. S-2.0	Minor revision from Ground Level reflected on this plan; overhang is reduced; does not effect previously permitted design

Please let us know if you have any further questions or require additional information.

Best Regards,

SIGNED: _____

Tanya Homleid, P.E.

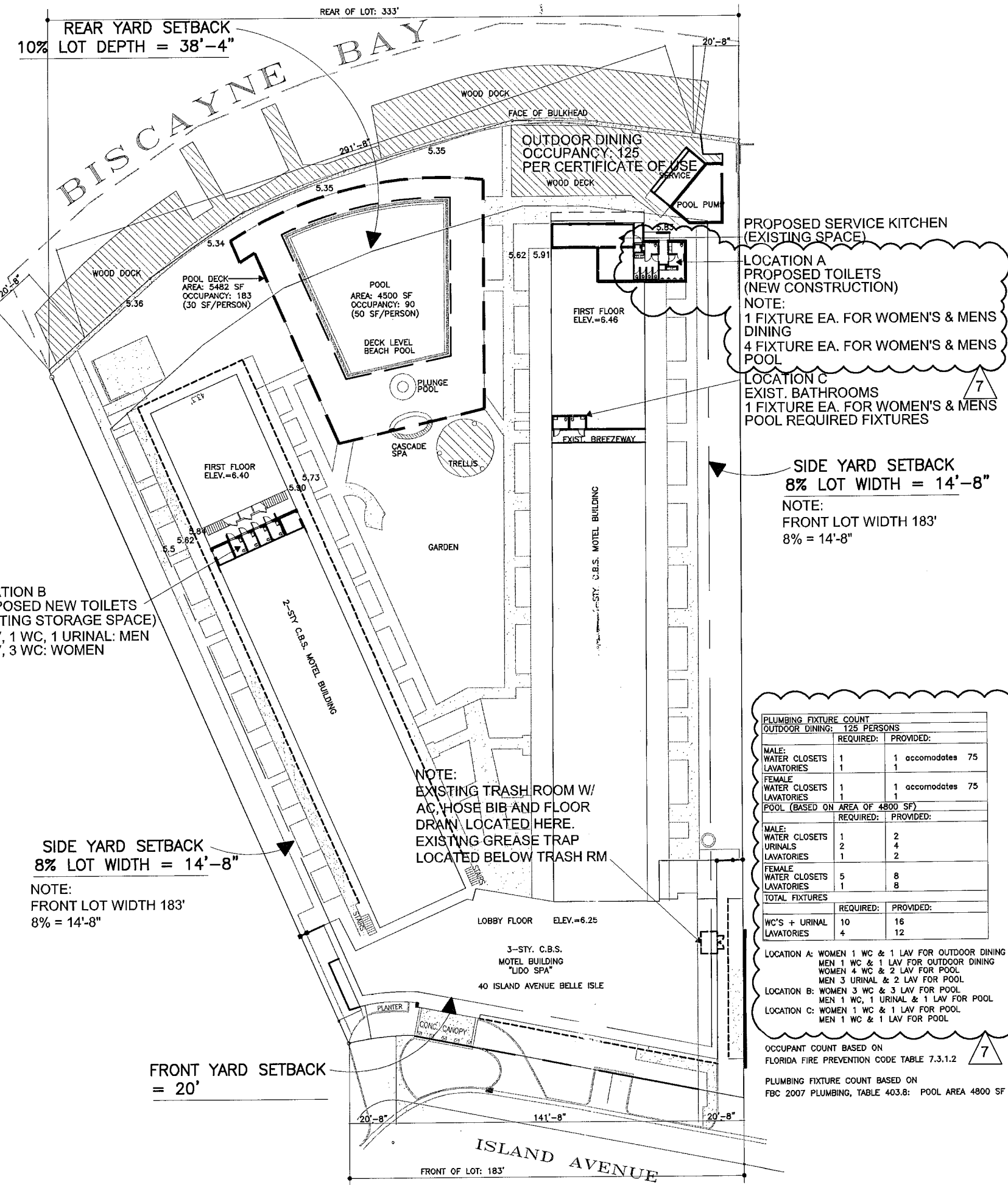
REG. NO. STATE: FL. 61706

05/28/2013

COMPANY: Optimus Structural Design LLC

ADDRESS: 7850 NW 146 Street, Suite 305
Miami Lakes, Florida 33016

S.I. NO: # 7021292



PLUMBING FIXTURE	REQUIRED	PROVIDED
BATHROOMS	1	1
WATER CLOSETS	1	1
LAVATORIES	1	1
SKYLIGHT	1	1
RECESS. WALL MOUNT. FOLDING DIAPER STATION	1	1
POOL (BASED ON AREA OF 4800 SFT)	1	1
WATER CLOSETS	1	2
LAVATORIES	1	2
SKYLIGHT	1	2
RECESS. WALL MOUNT. FOLDING DIAPER STATION	1	2
TOTAL FIXTURES	8	16
WC'S + URINAL	10	15
LAVATORIES	4	15

B1205016
Brevi 31543
THE STANDARD

40 ISLAND AVE
MIAMI BEACH, FL 33139

BAYSIDE GRILL
FLOOR PLANS &
DEMO PLANS

REVISIONS BY

1	12.06.2012
2	02.08.2013
3	03.11.2013
4	03.25.2013
5	04.23.2013
6	04.26.2013
7	05.28.2013

STAMP

MAY 12 9 2013
TODD FRAGASH, AIA, FLORIDA
REGISTRATION NUMBER #11053

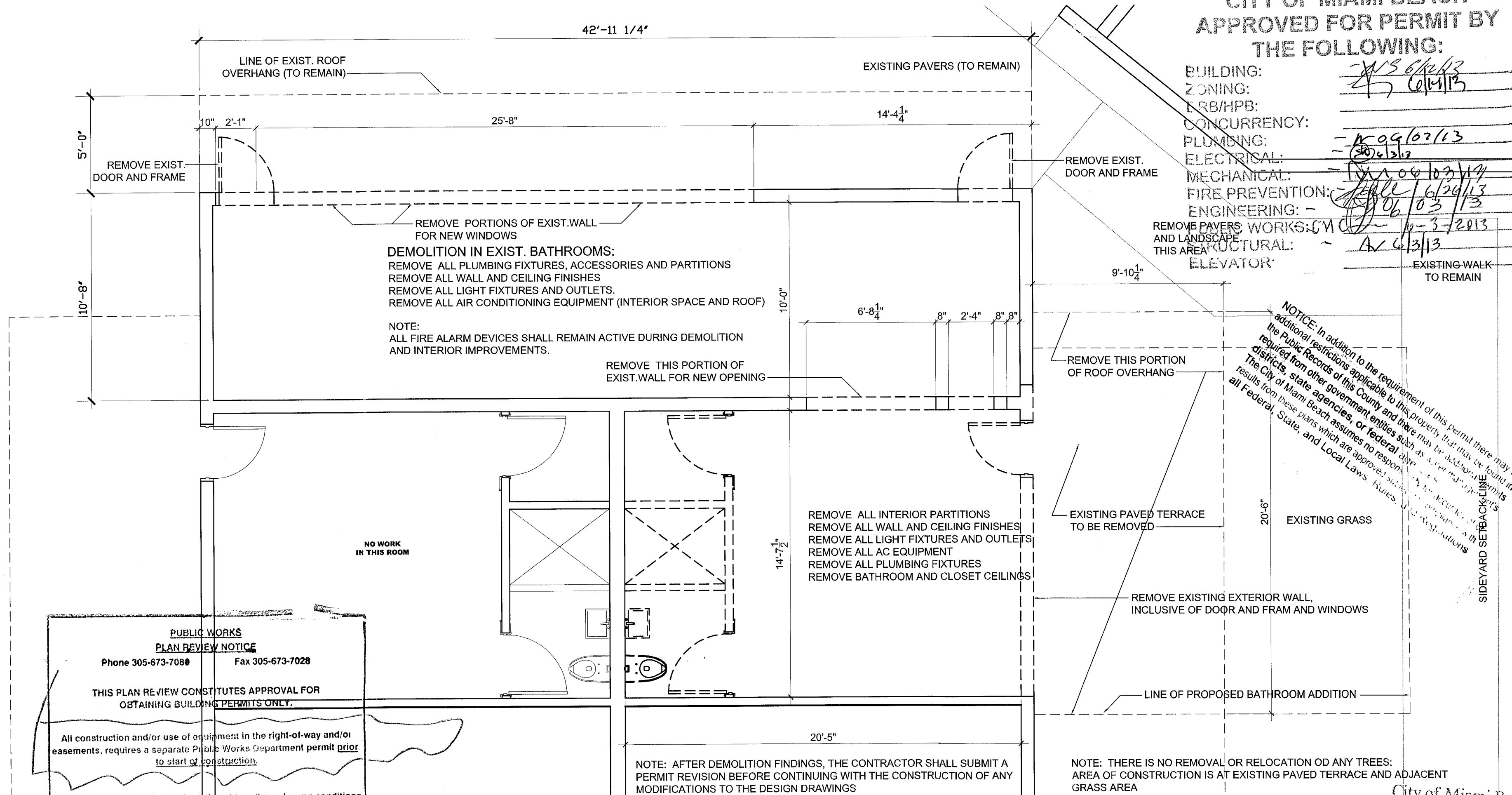
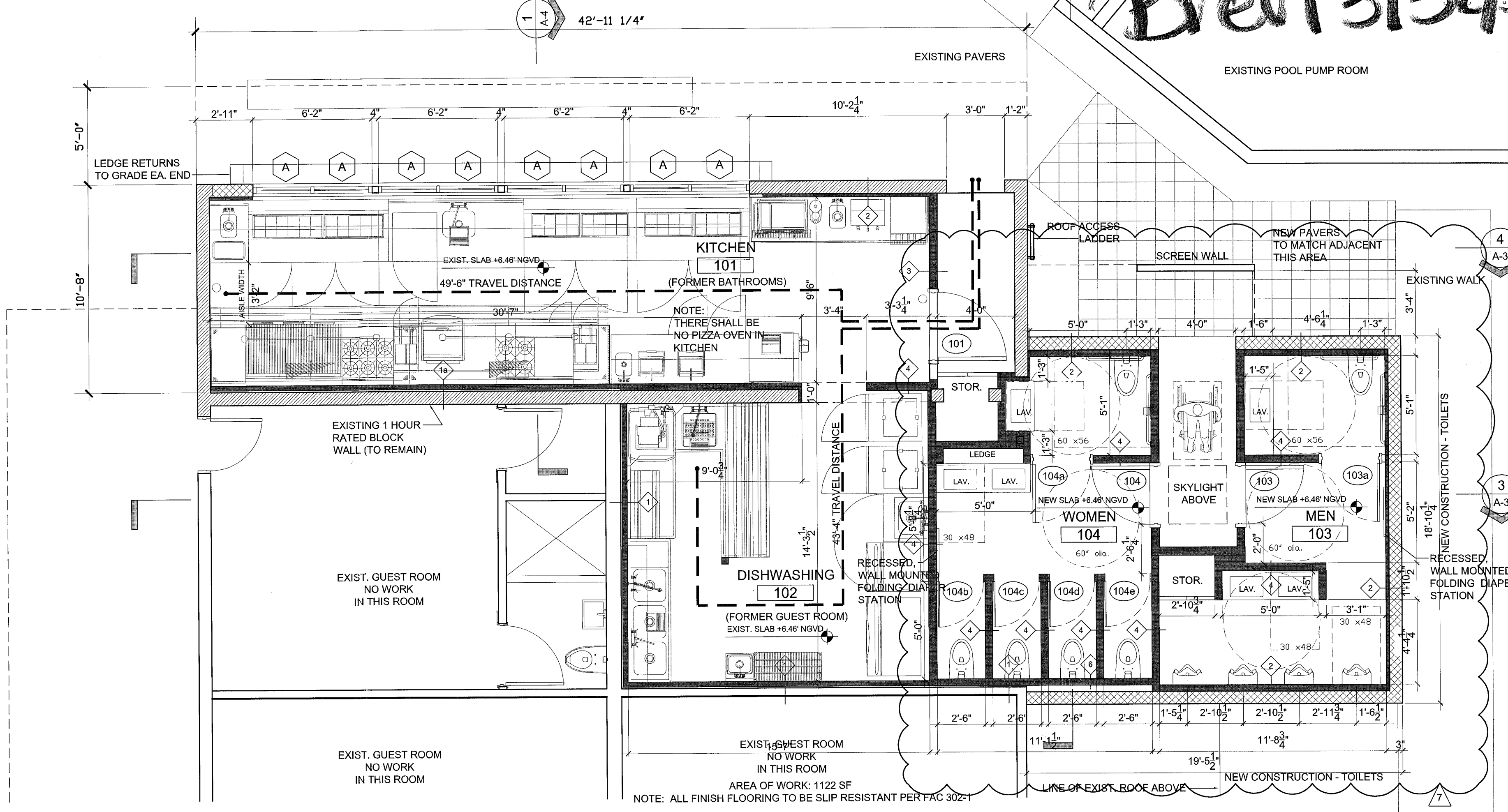
OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

BUILDING: [Signature]
ZONING: [Signature]
F/SB/HPB: [Signature]
CONCURRENCY: [Signature]
PLUMBING: [Signature]
ELECTRICAL: [Signature]
MECHANICAL: [Signature]
FIRE PREVENTION: [Signature]
ENGINEERING: [Signature]
REMOVE PAVERS WORKS:
AND LANDSCAPE: [Signature]
THIS AREA: [Signature]
ELEVATOR: [Signature]

DRAWN BY	
CHECKED BY	
DATE	07.20.2012
SCALE	1/4" = 1'-0"
JOB NO.	3015
FILE NO.	

SHEET
A-1

STA ARCHITECTURAL GROUP
2526 NORTH MIAMI AVE, MIAMI, FL 33127
305.571.1811 FAX 305.571.1821



PUBLIC WORKS PLAN REVIEW NOTICE
Phone 305-673-7088 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.

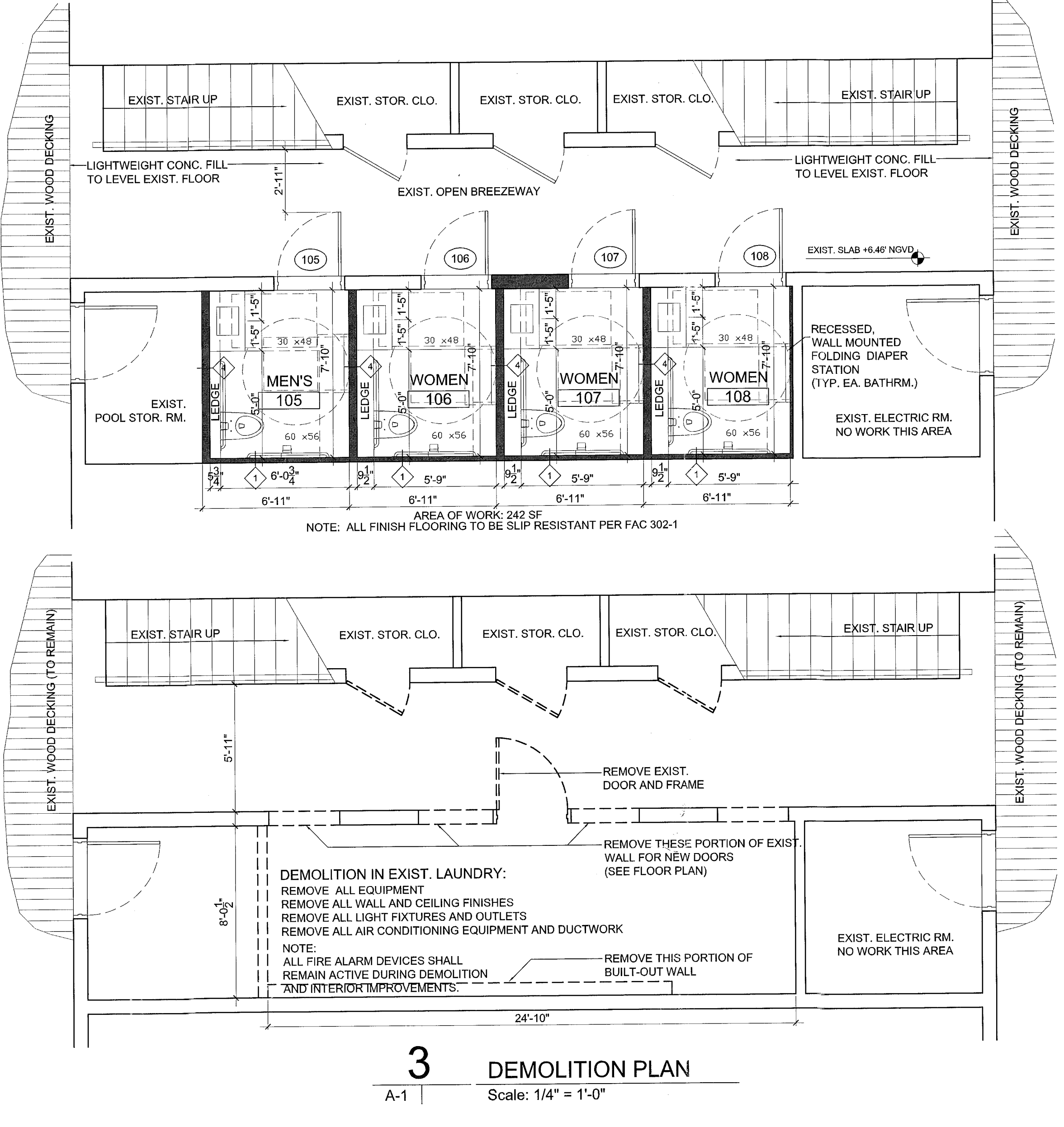
Permit Requirements: Proof of engineering (swale area conditions (pictures) and/or posting of additional signs by contractor (Public Works inspection of the right-of-way will be required prior to final sign-off on the C.C., C.O., or the release of bonds).

Approved/Reviewed By: [Signature] Date: 05-23-2013

48 HOURS PRIOR TO EXCAVATING CONTRACTOR SHALL CALL FOR LOCATION OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080

2 DEMOLITION PLAN
Scale: 1/4" = 1'-0"

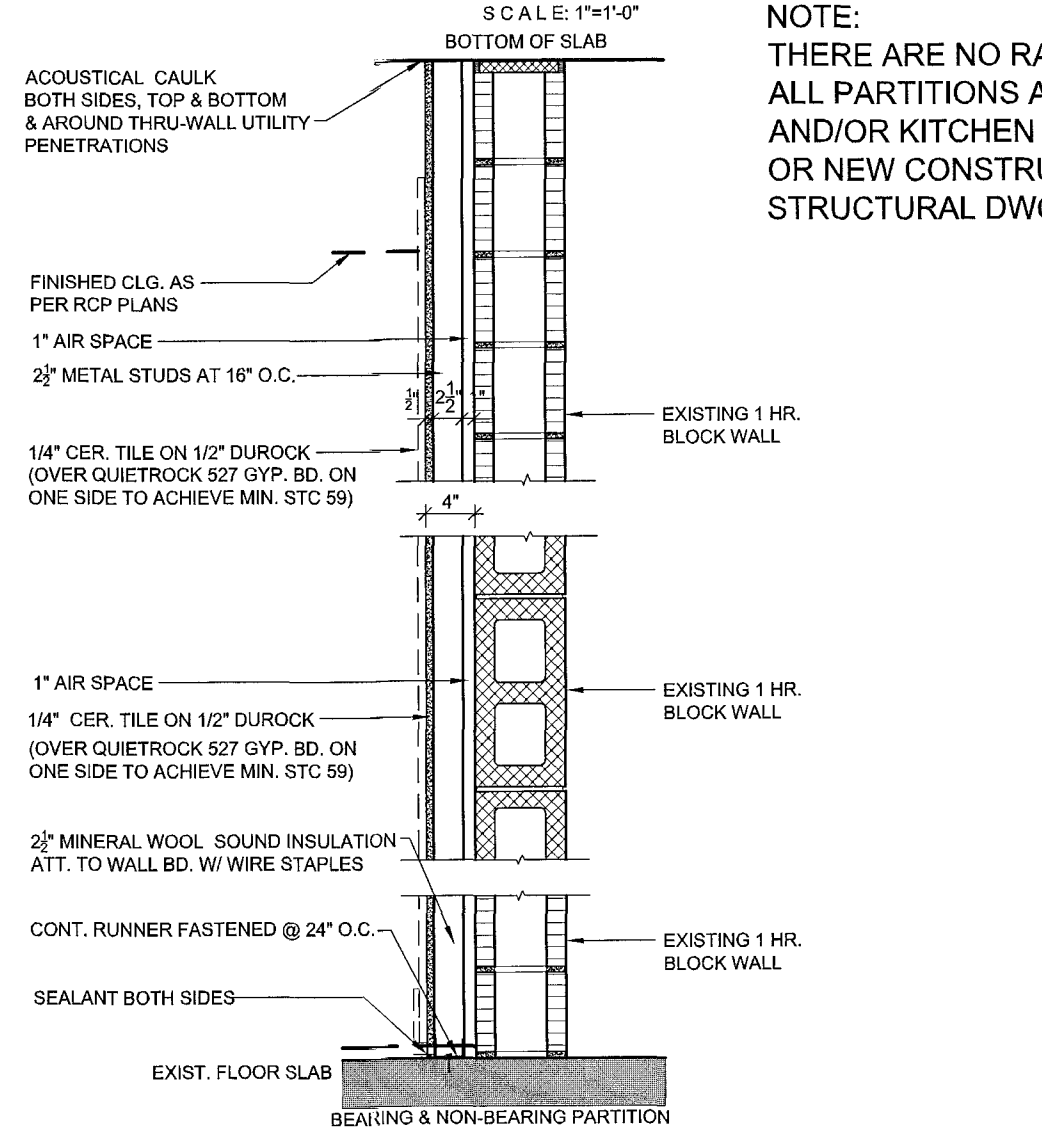
NOTE: AFTER DEMOLITION FINDINGS, THE CONTRACTOR SHALL SUBMIT A PERMIT REVISION BEFORE CONTINUING WITH THE CONSTRUCTION OF ANY MODIFICATIONS TO THE DESIGN DRAWINGS



3 DEMOLITION PLAN
Scale: 1/4" = 1'-0"

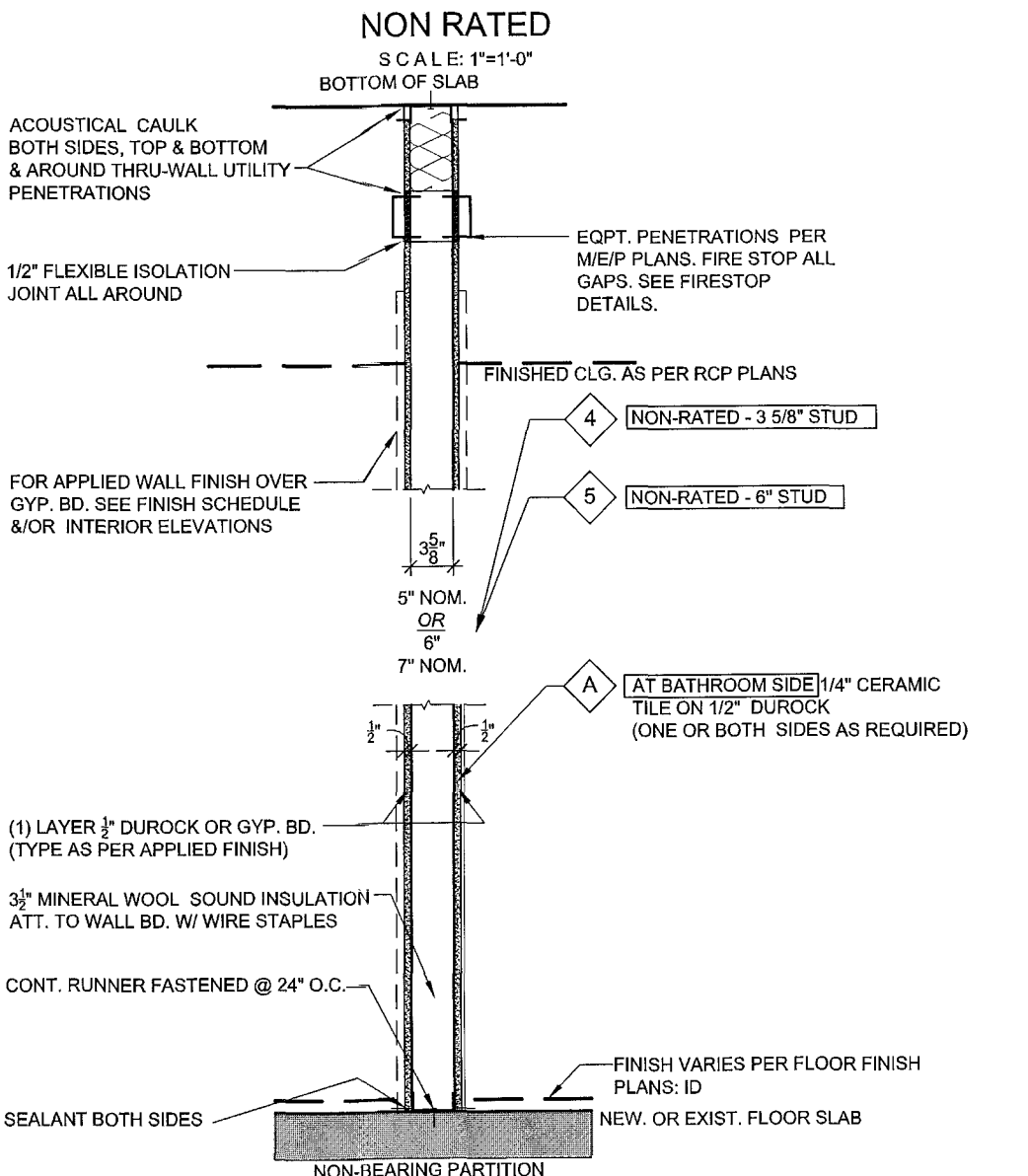
NOTE: THERE IS NO REMOVAL OR RELOCATION OF ANY TREES:
AREA OF CONSTRUCTION IS AT EXISTING PAVED TERRACE AND ADJACENT GRASS AREA

GYP. BD. MTL. FURRED PARTITION
NON RATED BUILD-OUT ON FACE OF EXIST. 1 HR RATED WALL



TYPICAL - SOUTH KITCHEN WALL

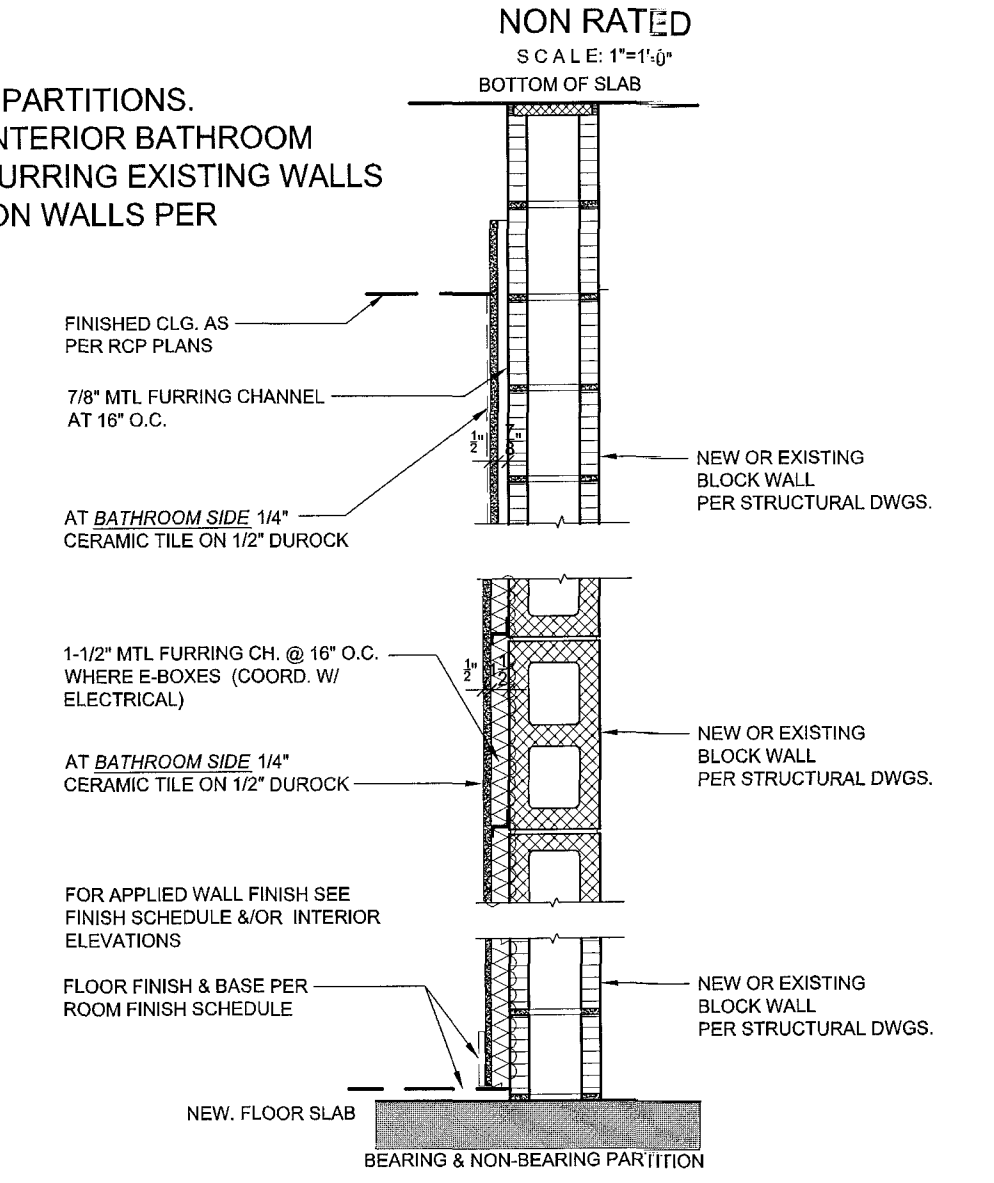
GYP. BD. MTL. STUD PARTITION
NON RATED



TYPICAL - AT WET ENVIRONMENTS NOT RECEIVING CER. TILE FINISH SUBSTITUTE GYP. BD. LAYER WITH MOISTURE RESISTANCE TYPE-X GYP. BD. (PAPERLESS)

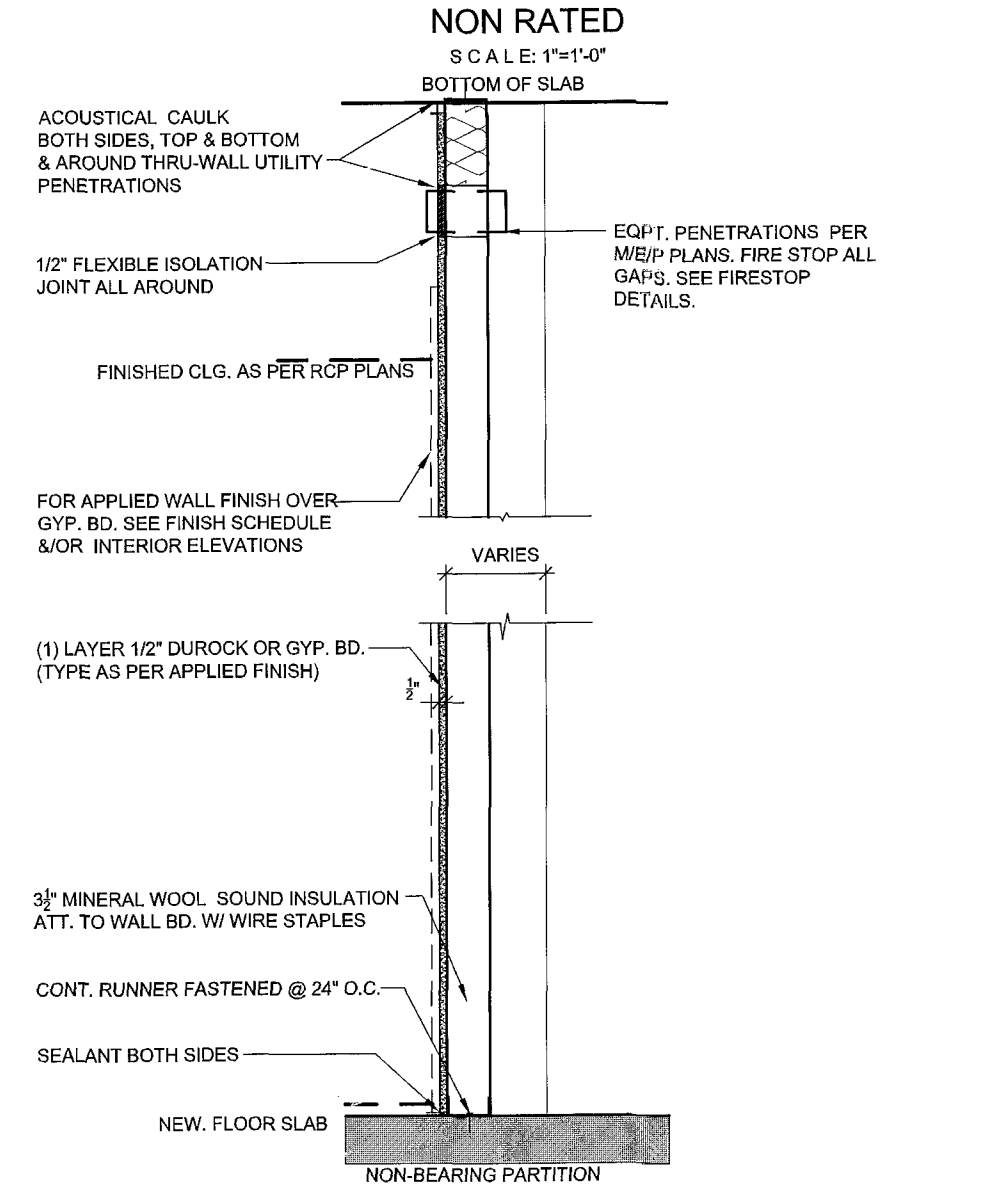
- 4 NON RATED - 3 5/8" STUD @ 16" O.C. - (1) LAYER 5/8" GYP. BD. EACH SIDE - SOUND INSULATED
- 5 NON RATED - 6" STUD @ 16" O.C. - (1) LAYER 5/8" GYP. BD. EACH SIDE - SOUND INSULATED

GYP. BD. MTL. FURRED PARTITION
NON RATED

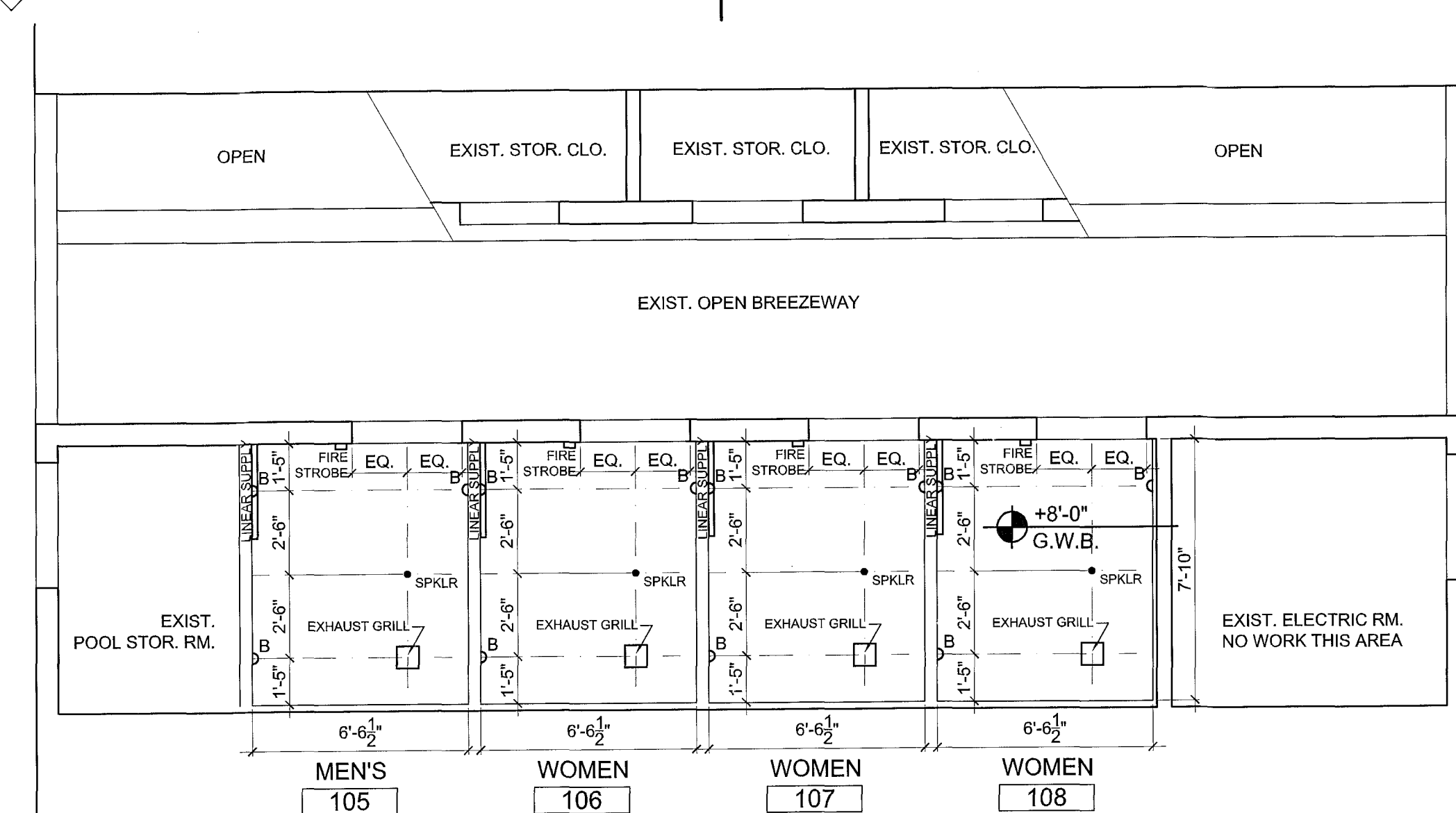


TYPICAL - AT WET ENVIRONMENTS WITHOUT TILE FINISH (BATHROOM, KITCHEN & DISHWASHING AREAS) SUBSTITUTE GYP. BD. LAYER WITH MOISTURE RESISTANCE TYPE-X GYP. BD. (PAPERLESS)

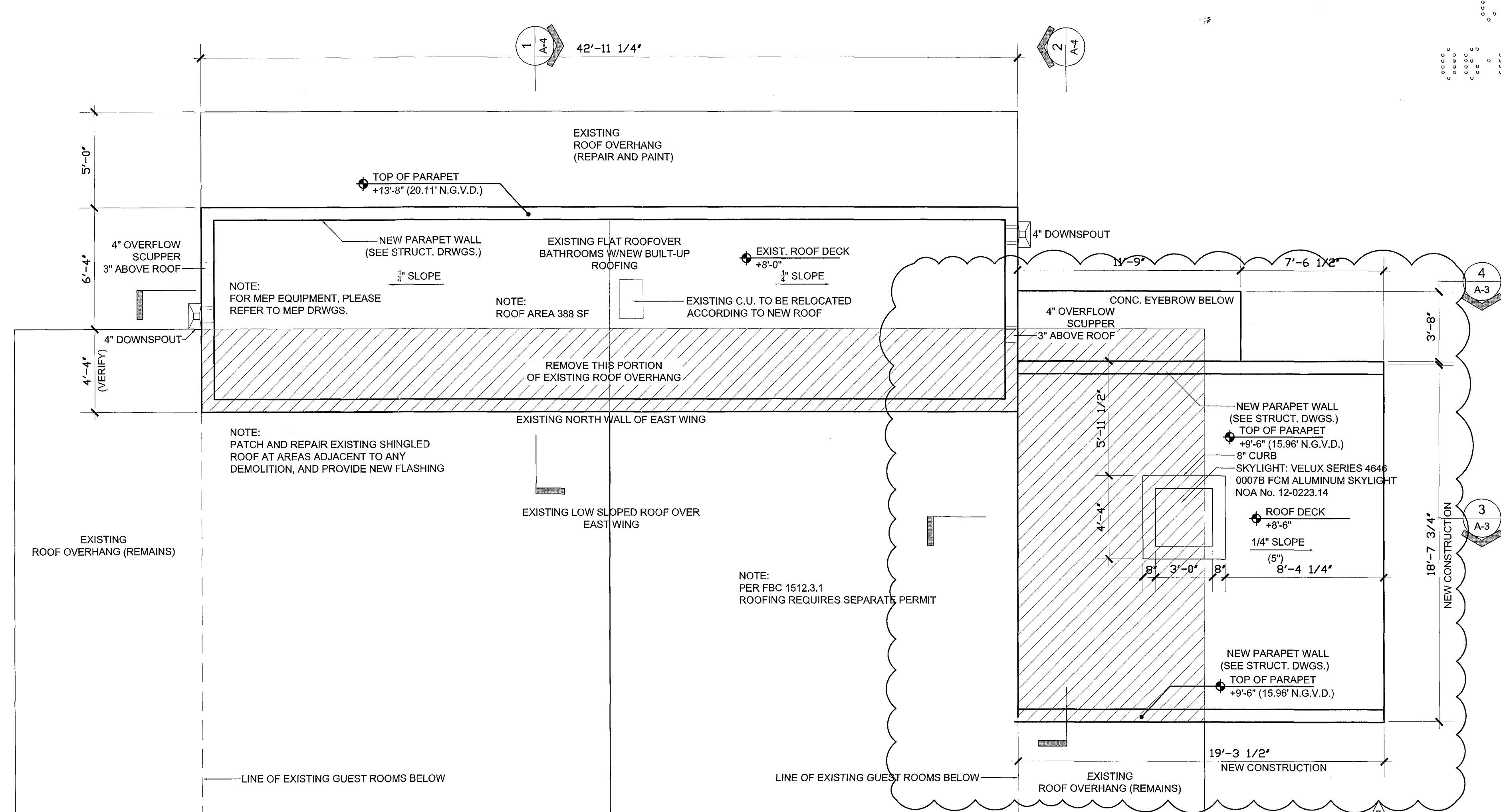
GYP. BD. MTL. STUD CHASE PARTITION
NON RATED



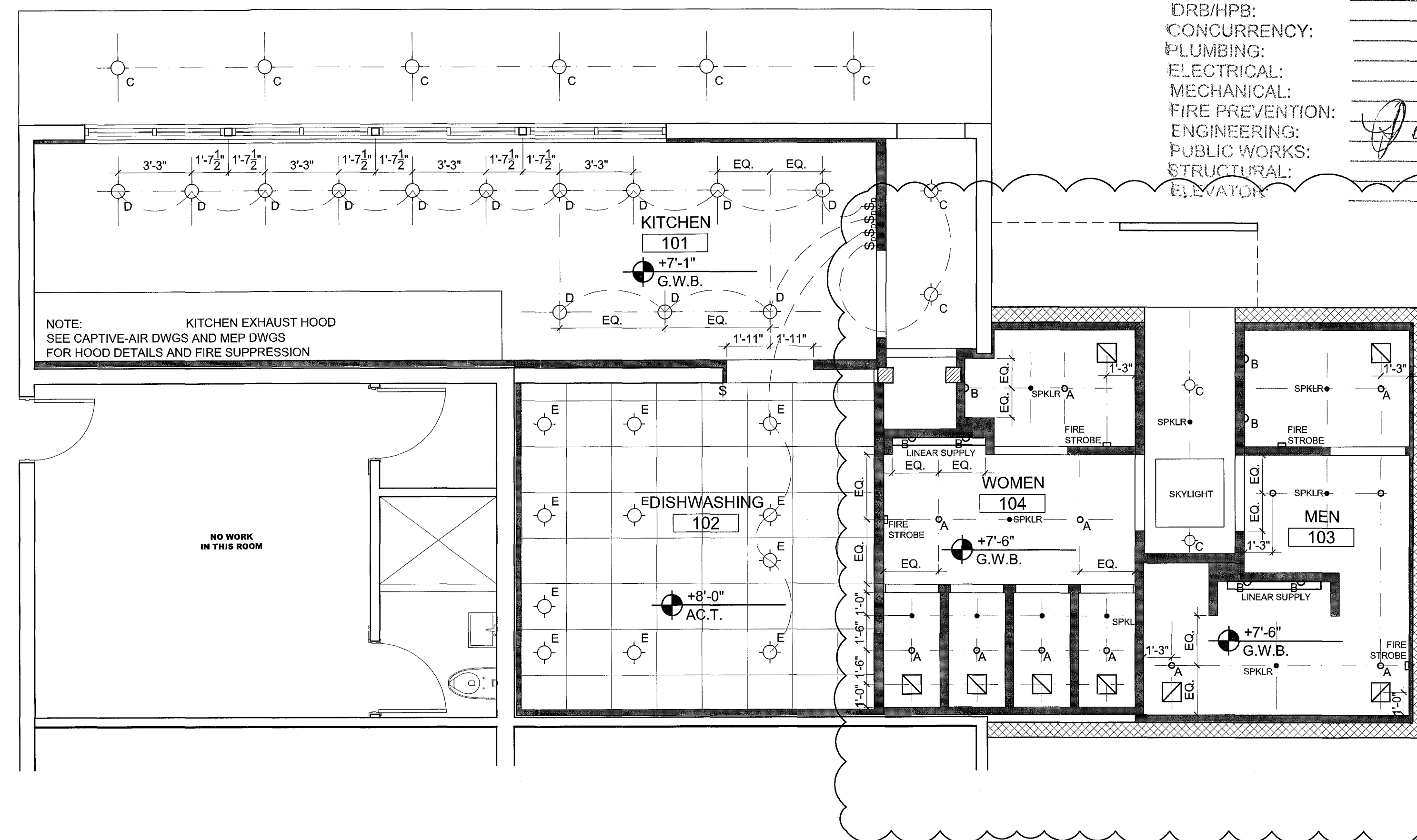
- 6 NON-FIRE RATED - 3 5/8" STL. STUDS AT 16" O.C. - (1) LAYER 1/2" DUROCK OR PAPERLESS GYP. BD. - SOUND INSULATED



3 REFLECTED CEILING PLAN
Scale: 1/4" = 1'-0"



2 ROOF PLAN
Scale: 1/4" = 1'-0"



1 REFLECTED CEILING PLAN
Scale: 1/4" = 1'-0"

THE STANDARD

40 ISLAND AVE
MIAMI BEACH, FL 33139

BAYSIDE GRILL
RCP &
ROOF PLANS

REVISIONS	BY
1	12.06.2012
6	04.26.2013
7	05.28.2013

STAMP

MAY 29 2013
TOOR TRAGASHI, A.F.L.A. FLORIDA
REGISTRATION NUMBER #11053

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CONTRACTOR IS RESPONSIBLE FOR
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PRIOR TO PROCEEDING WITH WORK.

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THE FOLLOWING:

BUILDING: _____
ZONING: _____
DRB/HPB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____

DRAWN BY	
CHECKED BY	
DATE	07.20.2012
SCALE	1/4" = 1'-0"
JOB NO.	3015
FILE NO.	
SHEET	A-2

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

STA ARCHITECTURAL GROUP
3529 NORTH MIAMI AVE, MIAMI, FL 33127
305.671.1811 FAX 305.671.1821

REVISIONS BY

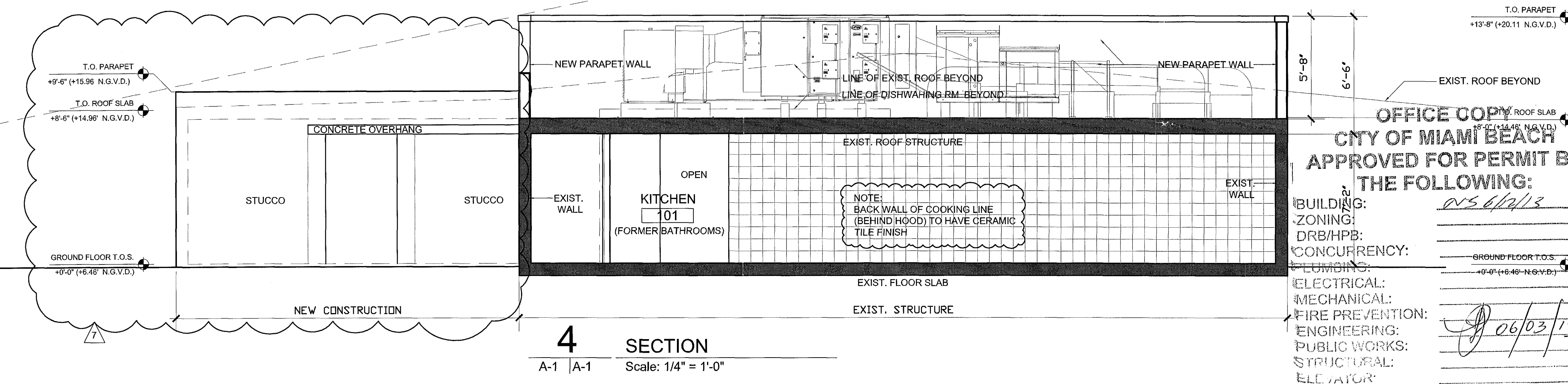
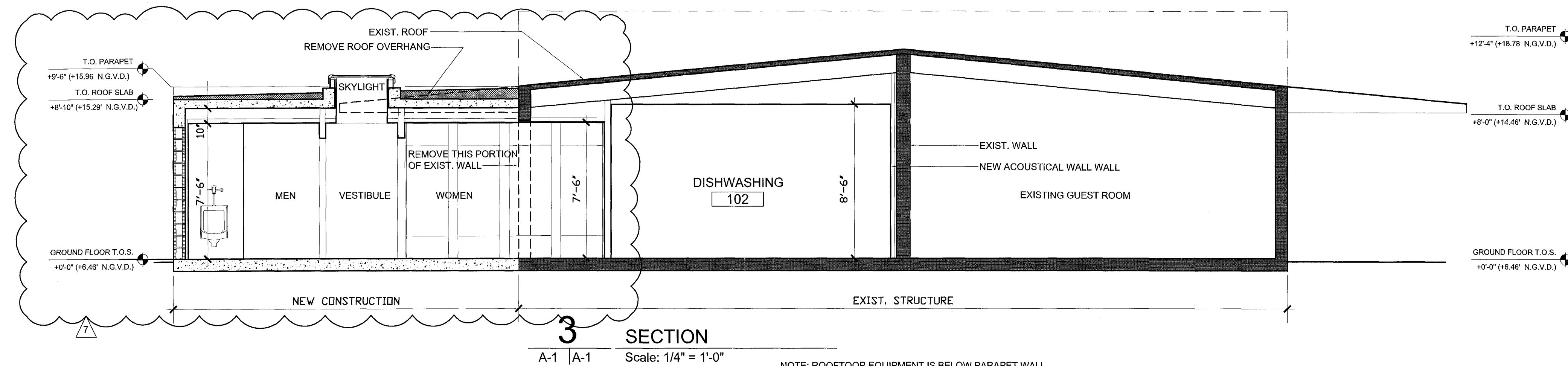
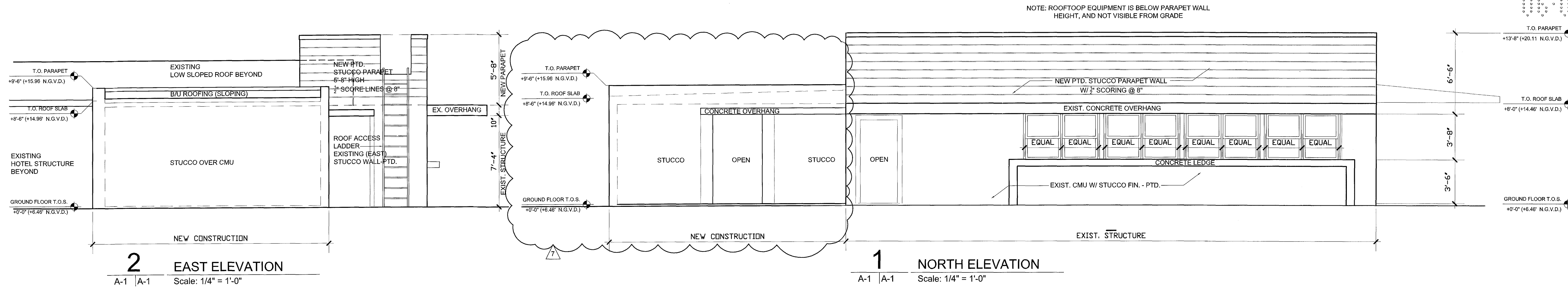
1	12.06.2012
2	02.08.2013
3	03.11.2013
4	05.28.13

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MAY 29 2013

TODD TRAGASH, AIA, FLORIDA
REGISTRATION NUMBER: 10553

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ZONING: _____
DRB/HPB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____

05/29/13
06/03/13

DRAWN BY _____

CHECKED BY _____

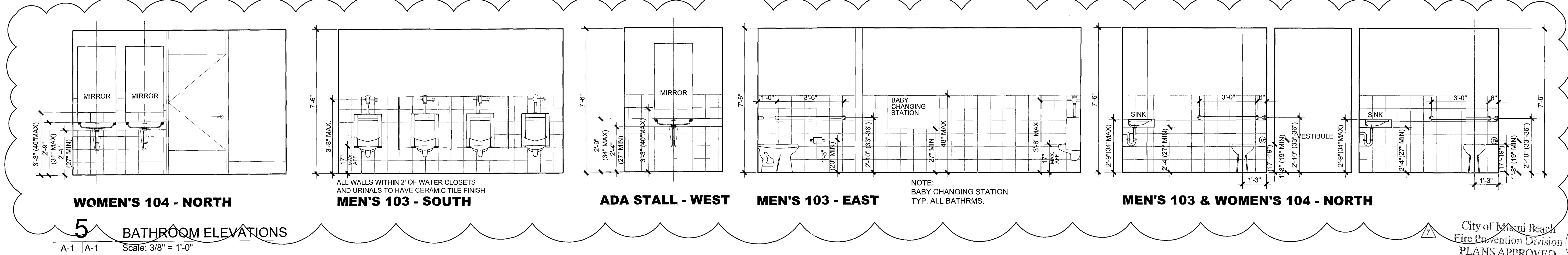
DATE: 07.20.2012

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

JOB NO. 3015

FILE NO. _____

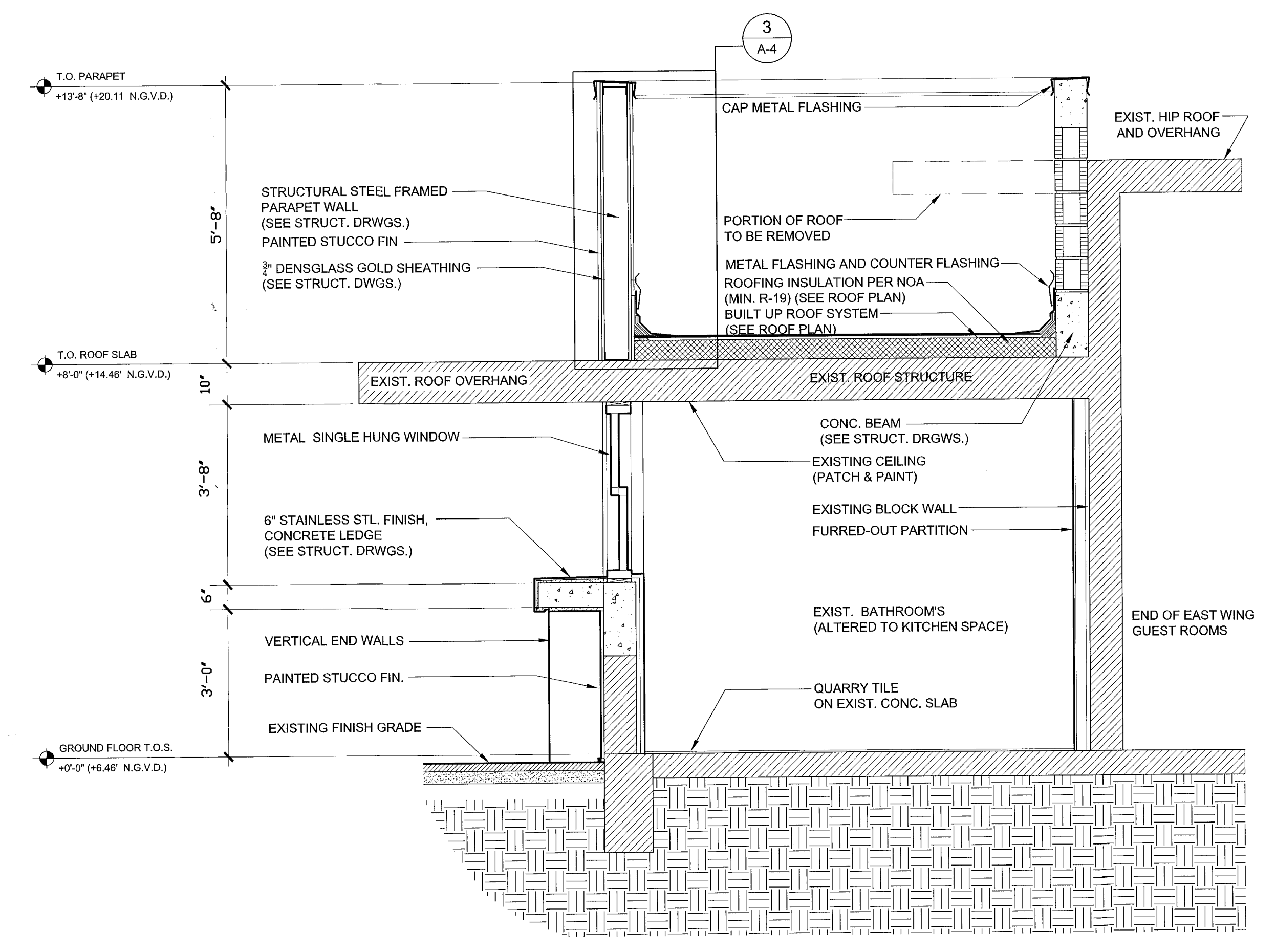
SHEET A-3



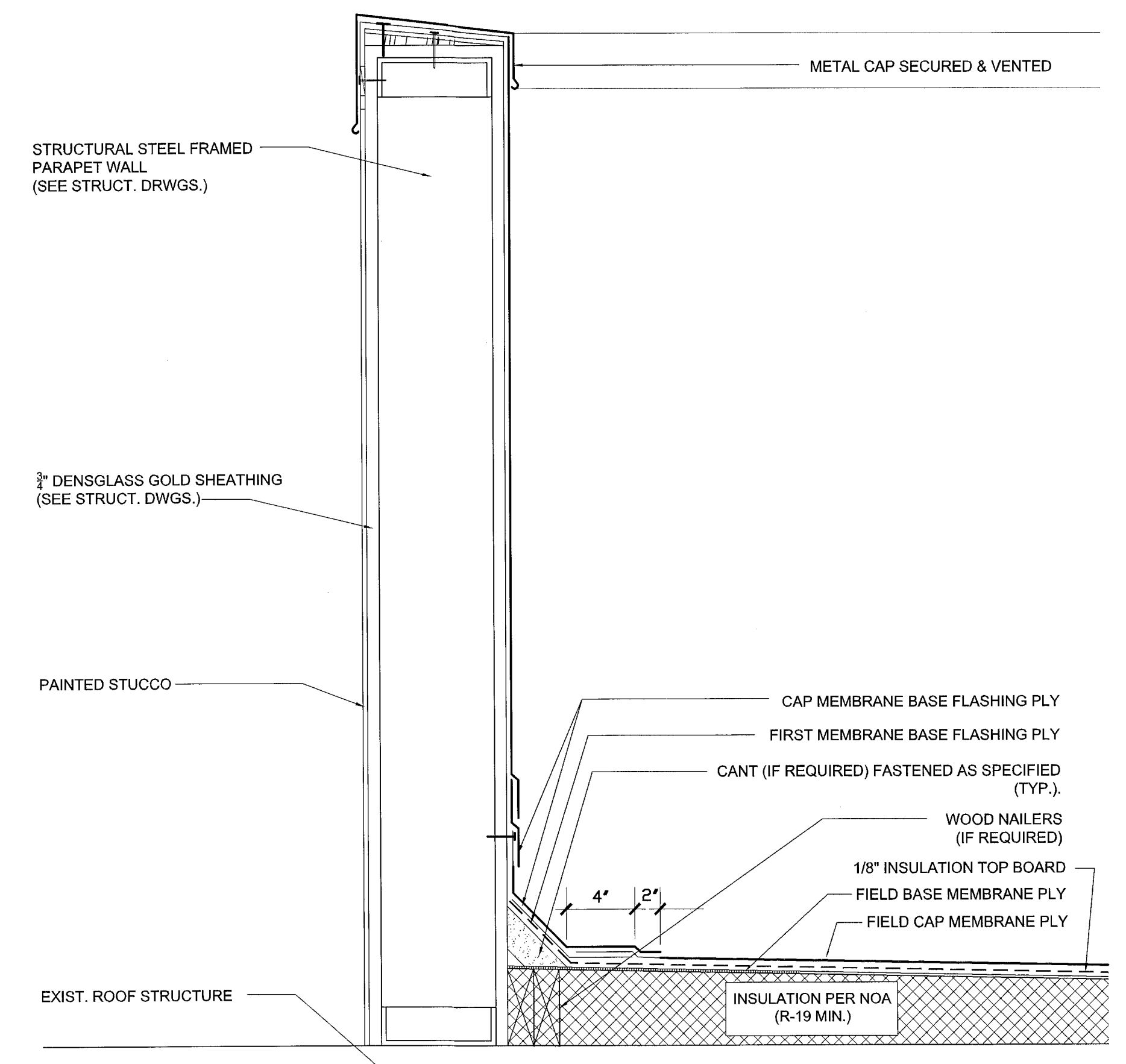
REVISIONS BY

1	12.06.2012
2	02.08.2013
3	05.28.13

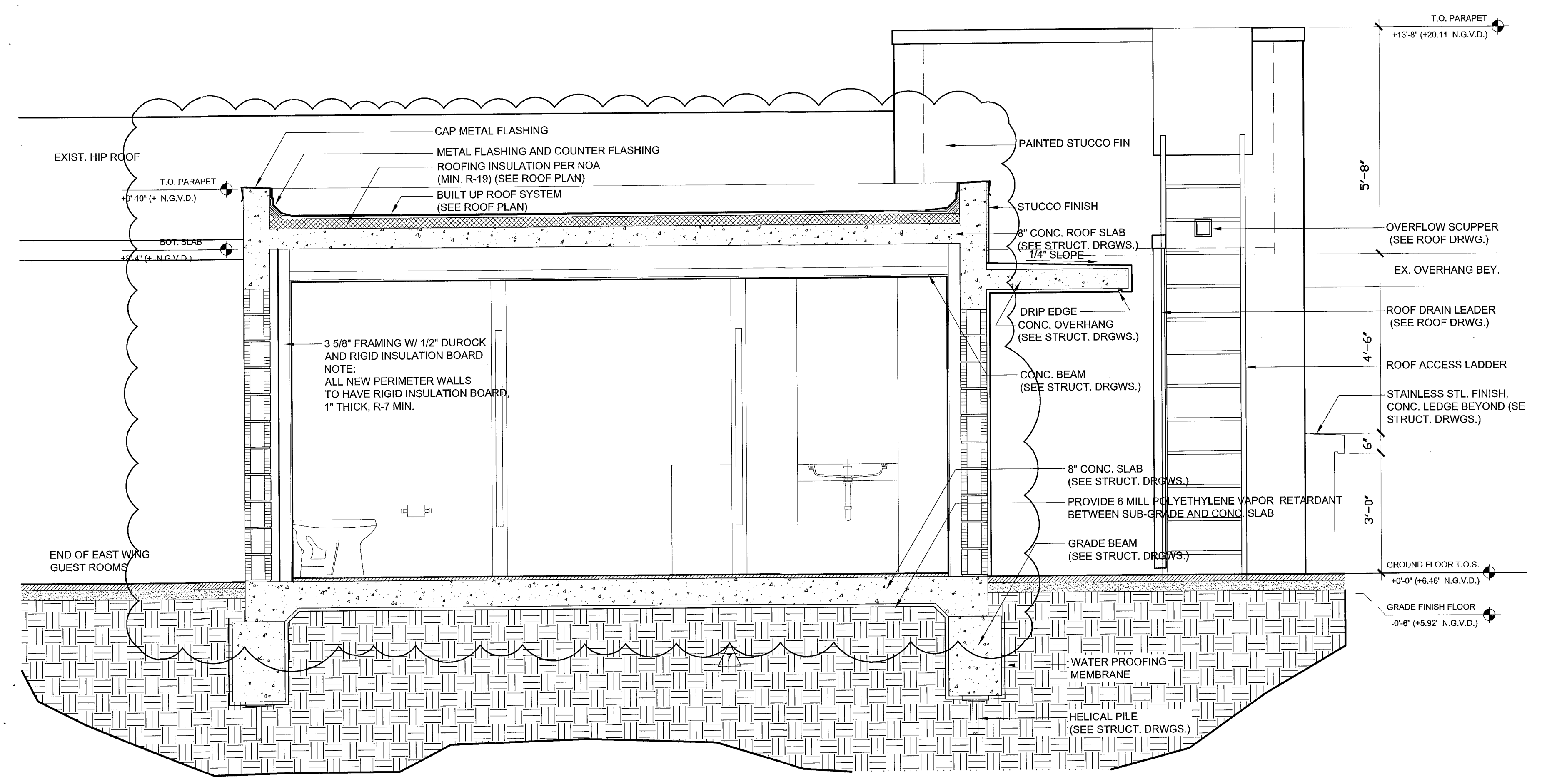
STAMP



1 WALL SECTION
A-2 | A-1 Scale: 1/2" = 1'-0"



3 ROOF/PARAPET DETAIL
A-2 | A-2 Scale: 2" = 1'-0"



2 WALL SECTION
A-2 | A-1 Scale: 1/2" = 1'-0"

MAY 29 2013
TODD TRAGASH, A.I.A., FLORIDA
REGISTRATION NUMBER #11053

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DRAWN BY	
CHECKED BY	
DATE	07.20.12
SCALE	3/4" = 1'-0"
JOB NO.	3015
FILE NO.	
SHEET	A-4

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ZONING: _____
DRB/HPB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____

REVISIONS BY

1	12-11-2021	EDC RESPONSE
2	07-14-2019	EDC RESPONSE
3	05-21-2019	OWNER REV.

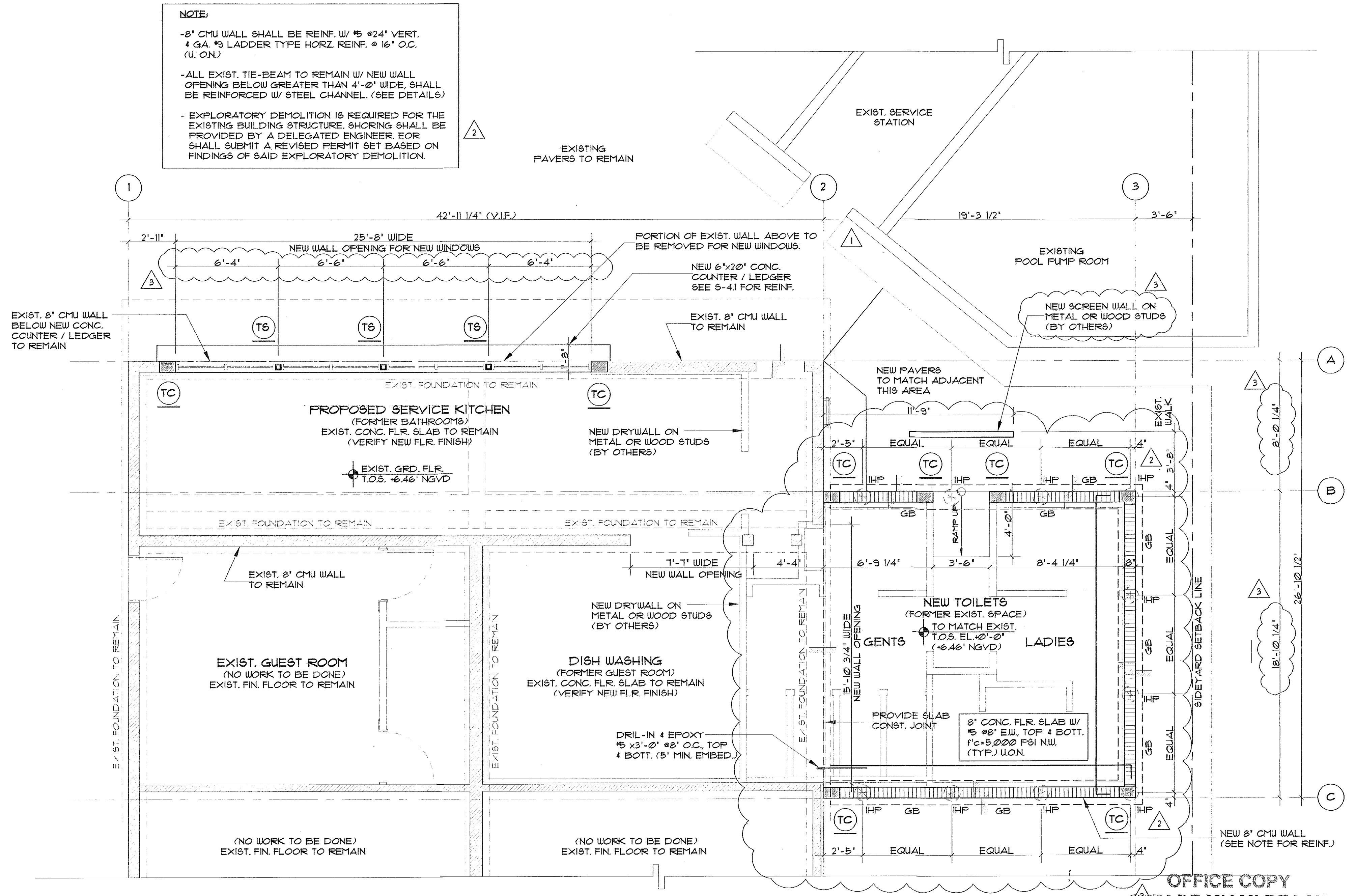
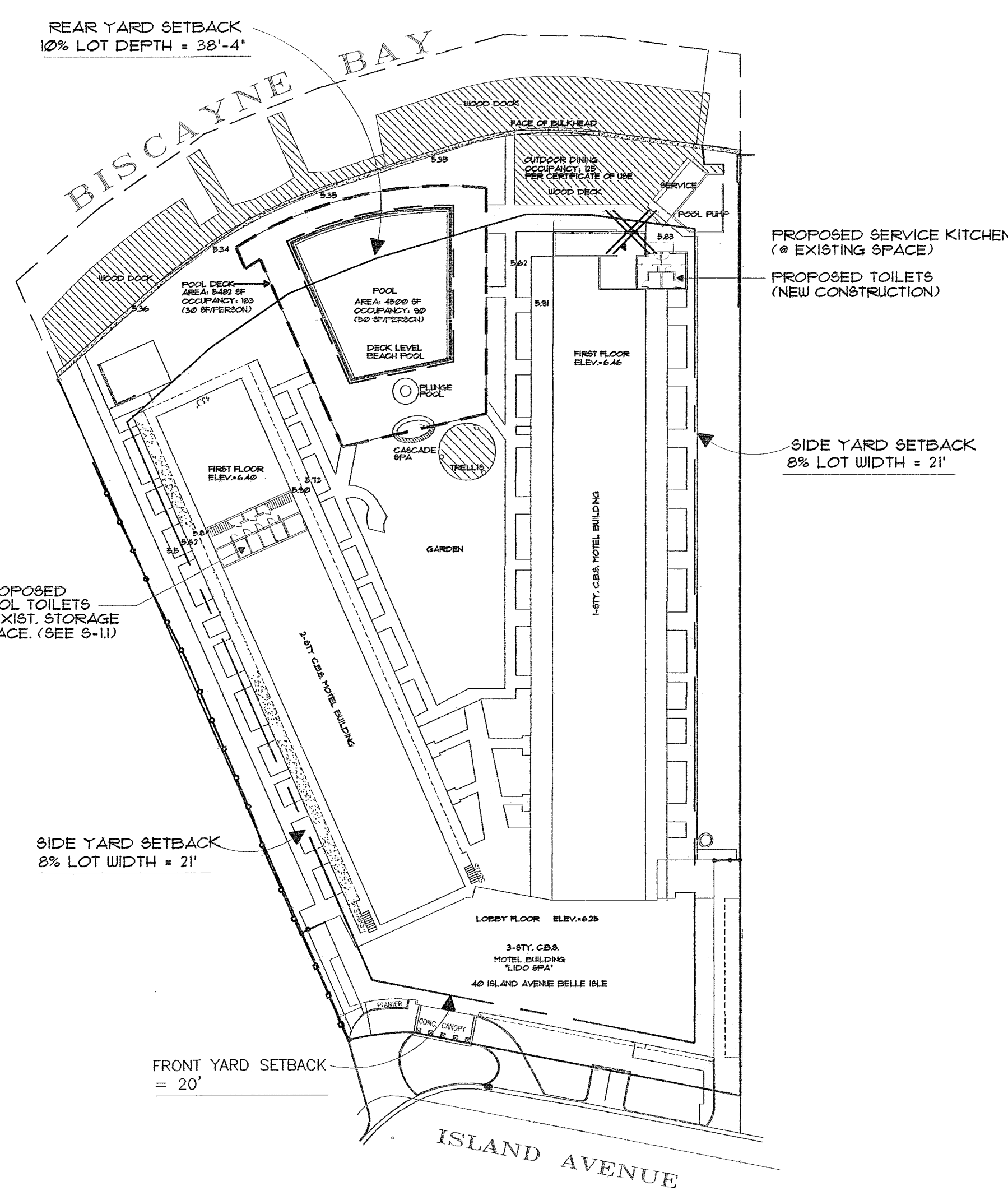
TODD TRAGASH, A.A. FLORIDA
 REGISTRATION NUMBER #11053

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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-1.0	

NOTE:

- 8" CMU WALL SHALL BE REINF. W/ #5 @24" VERT. 4 GA. #3 LADDER TYPE HORZ. REINF. @ 16" O.C. (U. ON.)
- ALL EXIST. TIE-BEAM TO REMAIN W/ NEW WALL OPENING BELOW GREATER THAN 4'-0" WIDE, SHALL BE REINFORCED W/ STEEL CHANNEL. (SEE DETAILS.)
- 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.



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 CITY OF MIAMI BEACH
 APPROVED FOR PERMIT BY
 THE FOLLOWING:

BUILDING: _____
 ZONING: _____
 DRB/HPB: _____
 CONCURRENCY: _____
 PLUMBING: _____
 ELECTRICAL: _____
 MECHANICAL: _____
 FIRE PREVENTION: _____
 ENGINEERING: _____
 PUBLIC WORKS: _____
 STRUCTURAL: AV 6/3/12
 ELEVATOR: _____

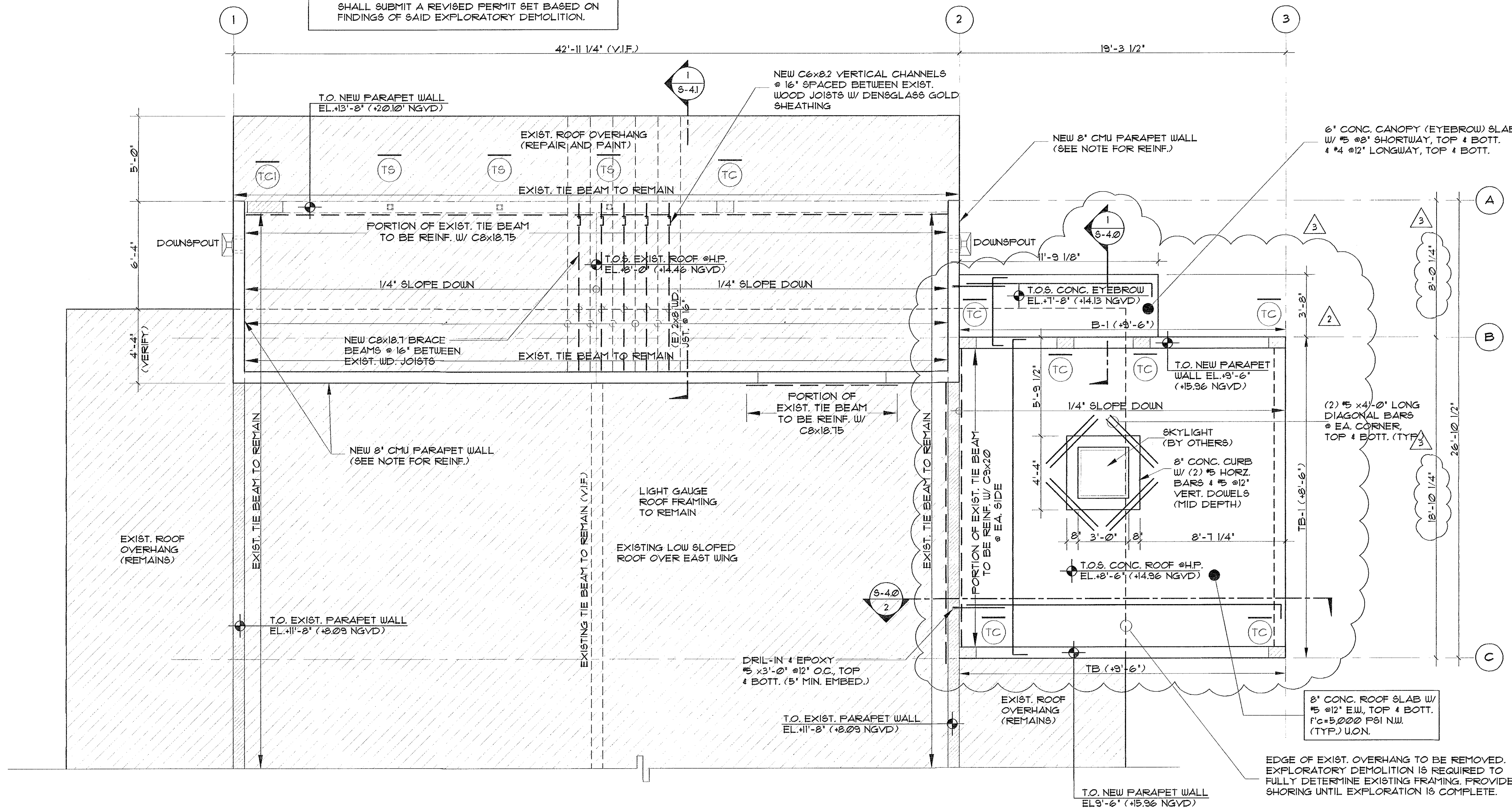
OPTIMUS CONSULTING ENGINEERS
 C.A. No: 26217 61706
 TANYA HOMLEID PE
 7850 NW 146 STREET, SUITE 305
 MIAMI LAKES, FLORIDA 33016
 Tel: 305.512.5860
 Fax: 305.512.5661
 E-mail: optimus@optimuseng.com

I BE THE BEST OF MY KNOWLEDGE, THESE SPECIFICATIONS COMPLY WITH THE CITY OF MIAMI BEACH BUILDING CODE.

PLANS APPROVED

NOTE:

- 8' CMU WALL SHALL BE REINF. W/ #5 #24' VERT. & GA. #5 LADDER TYPE HORZ. REINF. @ 16" O.C. (U.O.N.)
- ALL EXIST. TIE-BEAM TO REMAIN W/ NEW WALL OPENING BELOW GREATER THAN 4'-0" WIDE, SHALL BE REINFORCED W/ STEEL CHANNEL. (SEE DETAILS)
- PATCH AND REPAIR EXIST. SHINGLED ROOF AT AREAS ADJACENT TO ANY DEMOLITION, AND PROVIDE NEW FLASHING (BY OTHERS)
- 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.



REVISIONS BY

12-11-2012	EDC RESPONSE
07-14-2013	EDC RESPONSE
05-21-2013	OWNER REV.

TODD FRAGASH, A.A. 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-2.0

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 CITY OF MIAMI BEACH
 APPROVED FOR PERMIT BY
 THE FOLLOWING:

BUILDING:	
ZONING:	
DRB/HPB:	
CONCURRENCY:	
PLUMBING:	
ELECTRICAL:	
MECHANICAL:	
FIRE PREVENTION:	
ENGINEERING:	
PUBLIC WORKS:	
STRUCTURAL:	12/6/13
ELEVATOR:	

ROOF: FRAMING PLAN
 SCALE: 1/4"=1'-0"
 NORTH

THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE CITY OF MIAMI BEACH BUILDING CODE.

T. H. Fragash

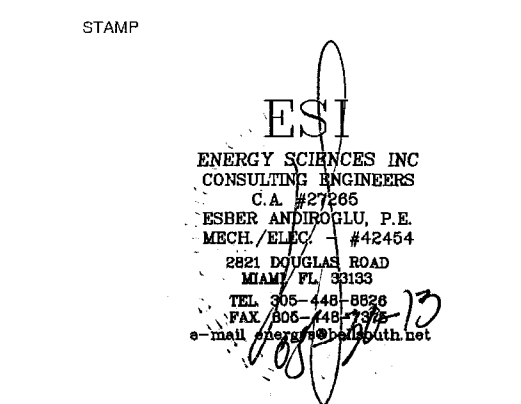
OPTIMUS CONSULTING ENGINEERS
 C.A. No. 26217 61706
 TANYA HAMED PE
 7850 NW 146 STREET, SUITE 305
 MIAMI LAKES, FLORIDA 33016
 Tel. 305.512.5860
 Fax 305.512.5861
 E-mail: optimus@optimums.com

City of Miami
 PLANS APPROVED

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

REVISIONS BY

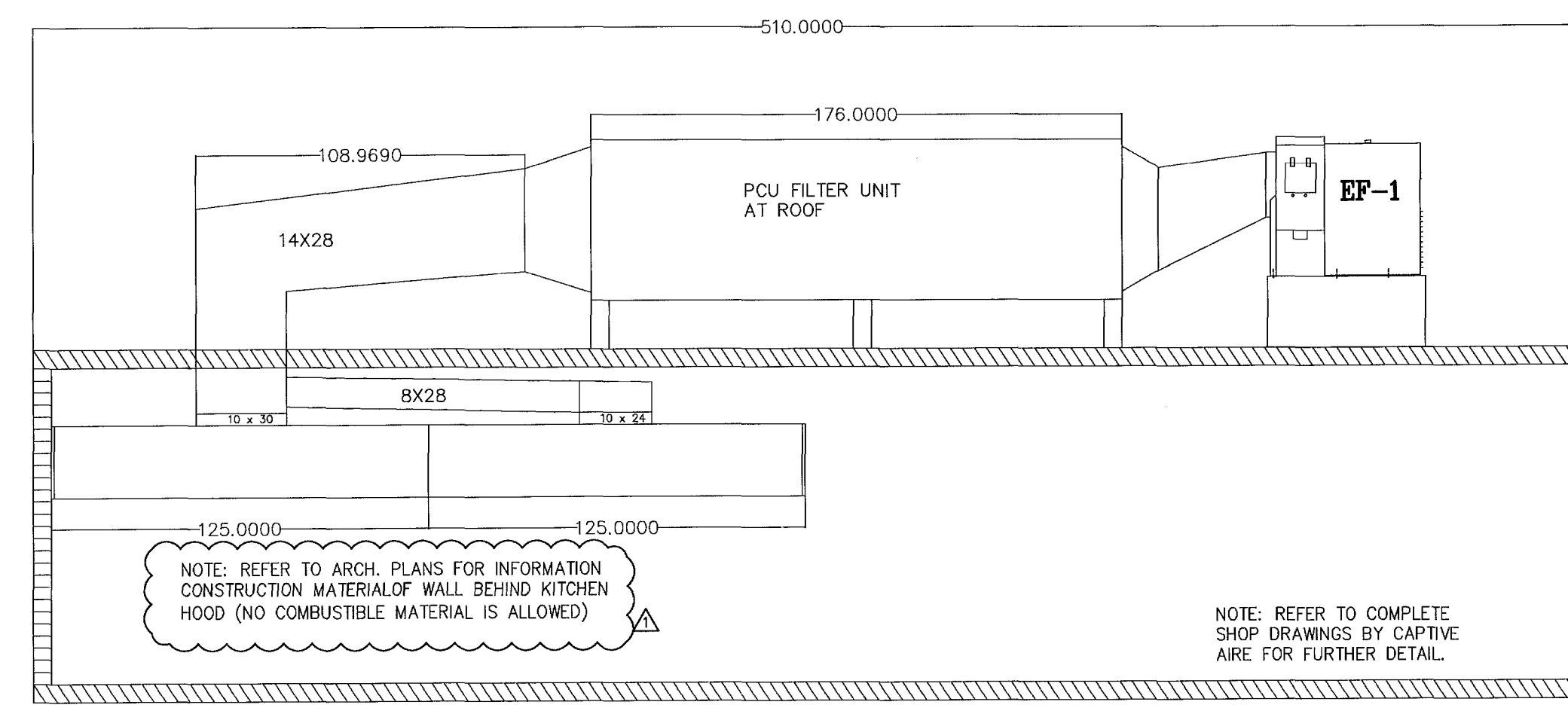
1	GEN. REV. 11.30.12
2	GEN. REV. 05.23.12



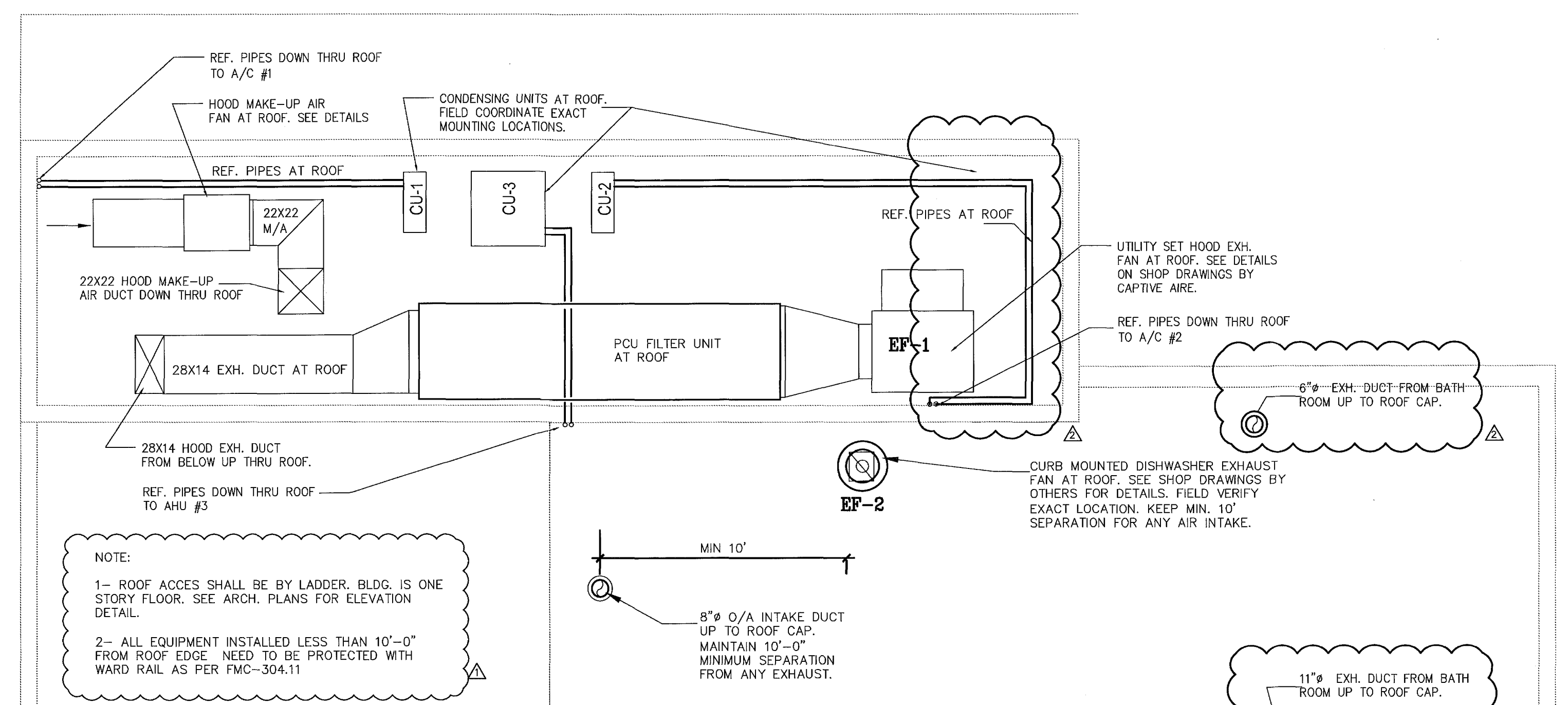
TODD TRACASH, A.I.A. FLORIDA
REGISTRATION NUMBER #11063

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CONTRACTOR IS RESPONSIBLE FOR
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PRIOR TO PROCEEDING WITH WORK.

ELEVATION VIEW

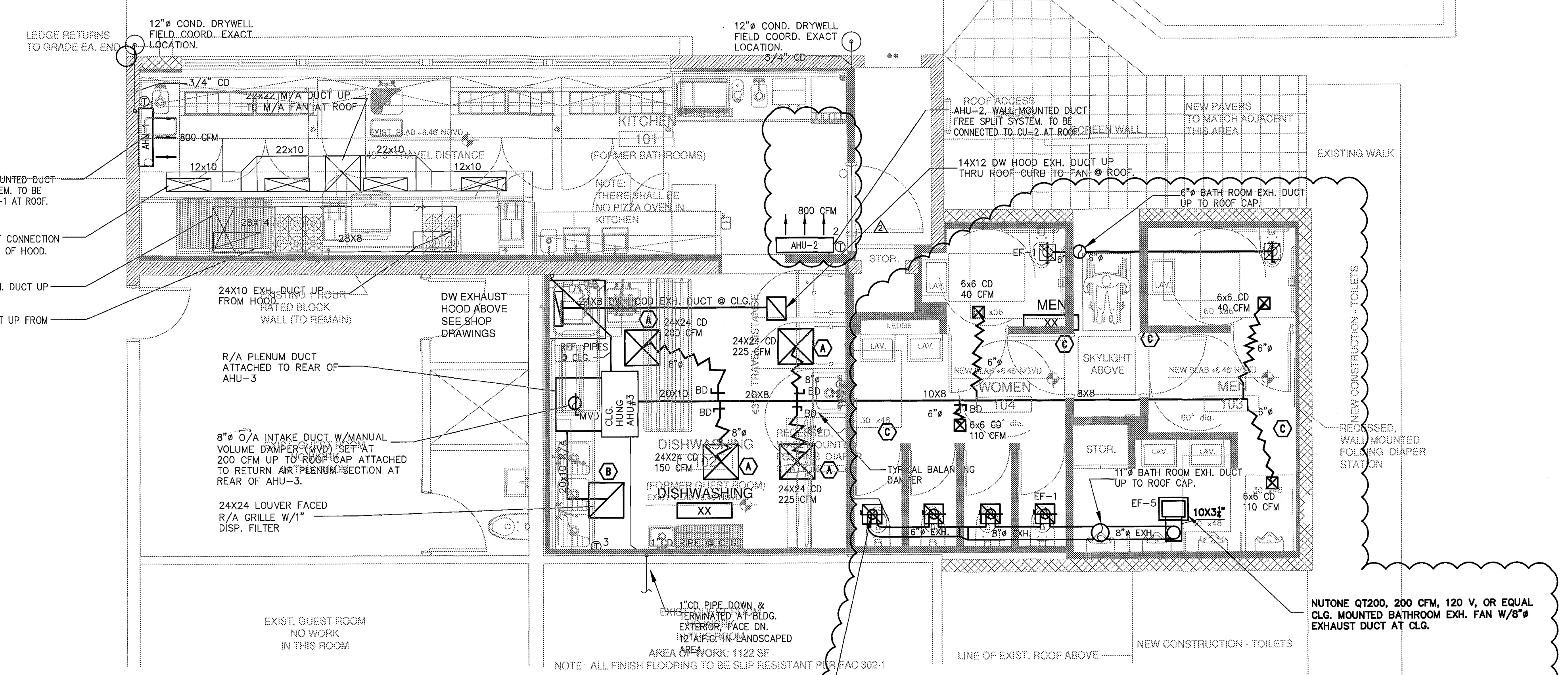
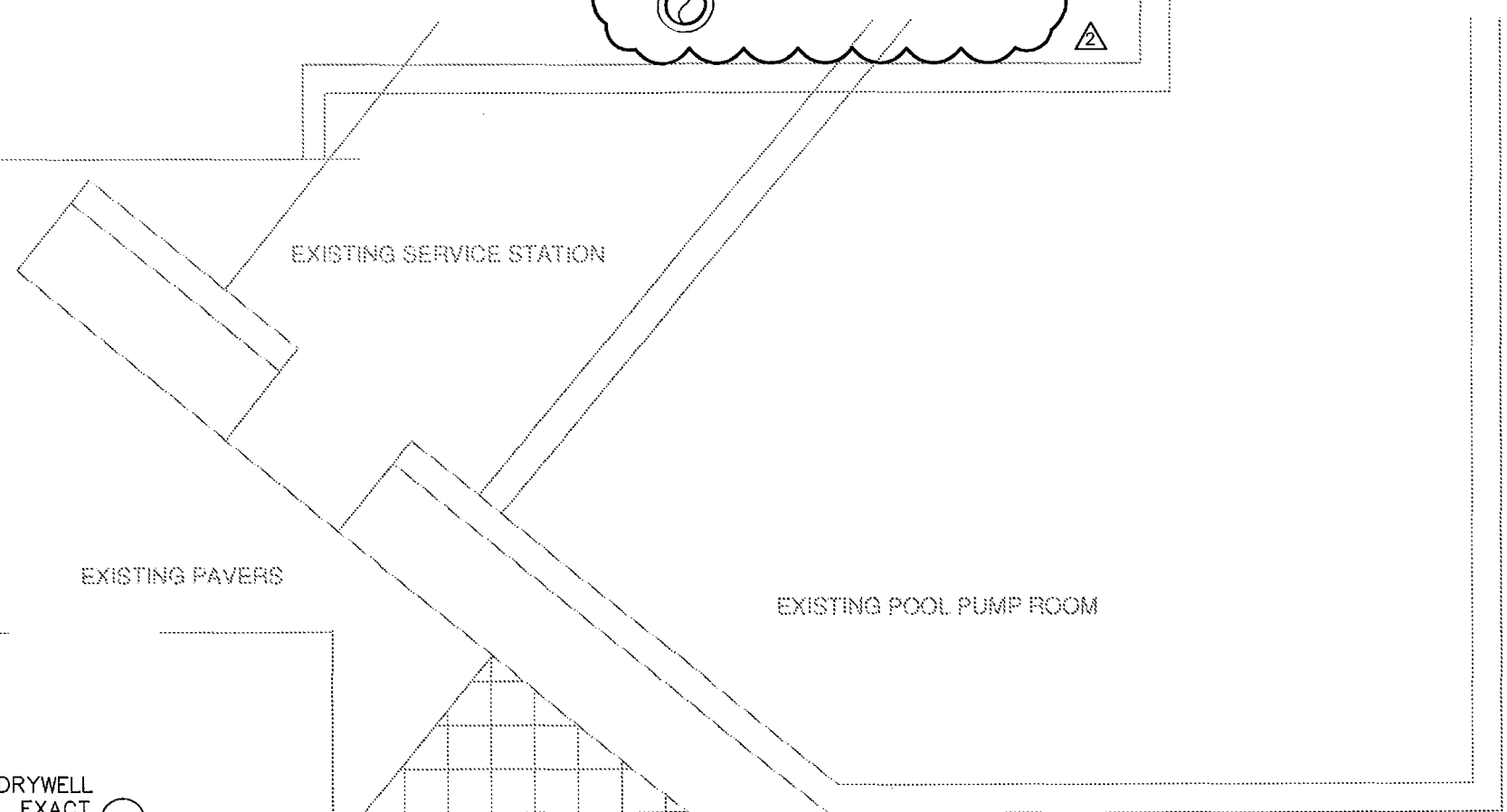


3 HOOD ELEVATION DETAIL
1/4" = 1'-0"



REFLECTED CEILING PLAN - BAYSIDE GRILL

2 HVAC ROOF PLAN
1/4" = 1'-0"



1 HVAC FLOOR PLAN
1/4" = 1'-0"

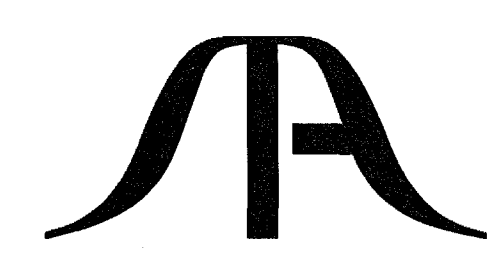
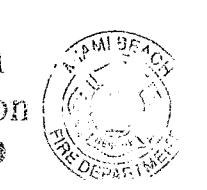
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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

- BUILDING: _____
- ZONING: _____
- DRB/HPB: _____
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- FIRE PREVENTION: _____
- ENGINEERING: _____
- PUBLIC WORKS: _____
- STRUCTURAL: _____
- ELEVATOR: _____

Am
06/09/12

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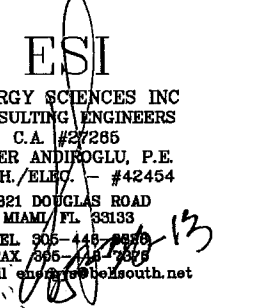
STA ARCHITECTURAL GROUP
3526 NORTH MIAMI AVE. MIAMI, FL 33127
305.571.1811 FAX 305.571.1821

ITEM NO	QTY	EQUIPMENT CATEGORY	EQUIPEX	PANINI	AMPS	KW	HP	VOLTS	PHASE	CYCLE	DIRECT	PLUG	NEMA	ROUGH IN AFF (IN)	ELECTRICAL REMARKS
5	2	GRIDDLE, DOUBLE-SIDED, ELECTRIC	EQUIPEX	PANINI	12.0	3.0	-	208	1	60	-	X	6-15P	50	DUPEX RECEPTACLE
6	1	REFRIGERATED WORK TABLE, REMOTE	DELFIELD	CUSTOM	3.0	-	0.25	115	1	60	-	X	-	12	DUPEX RECEPTACLE
6.1	1	COMPRESSOR	AMERICOLD	N/A	15.0	-	-	120/208	1	60	-	-	-	*	IN ELEC LOCATION TYP. EXACT REQUIREMENTS TYP.
10	1	ESPRESSO MACHINES, SEMI AND/OR SUPER AUTOMATIC	N/A	N/A	21.0	4.5	-	208	1	60	-	X	-	50	NEW REQUIREMENTS WITH VENDOR
13	1	FREEZER, REACH-IN	TRUE FOOD SERVICE	TG1F-1S	10.8	-	0.5	115	1	60	-	X	5-15P	12	-
14	1	REFRIGERATOR, REACH-IN	TRUE FOOD SERVICE	TG1R-1S	4.4	-	0.33	115	1	60	-	X	5-15P	12	-
17	1	ICE MAKER W/O BIN	MANITOWOC ICE	ID-0502A	14.2	-	2.0	115	1	60	X	-	24	-	-
19	1	ICE MAKER W/O BIN	MANITOWOC ICE	SY-1404A	18.3	-	2.0	208-230	1	60	X	-	-	74	IN LOW
21	1	STAINLESS STEEL SODA AND ICE DISPENSING TOWER	LANCER	IBD 4500 22"	3.0	-	-	115	1	60	-	X	5-15P	50	-
22	1	WAREWASHER, DOOR TYPE, HIGH TEMP	HOBART US FOODSERVICE	AM15VL-2	24.9	-	2.0	208	3	60	X	-	-	12	IN LOW
-	-	-	-	-	20.4	8.5	-	208	3	60	X	-	-	10	-
28	1	COFFEE GRINDER	N/A	N/A	-	-	-	-	-	-	-	-	-	-	-
29	1	FREEZER, UNDERCOUNTER, COMPACT	TRUE FOOD SERVICE	TUC-27F	3.2	-	0.25	115	1	60	-	X	5-15P	12	-
31	1	WARMER, DRAWER TYPE	ALTO-SHAMAM	500-3D	8.5	-	-	120	1	60	-	X	5-15P	24	DUPEX RECEPTACLE, NEWLY FORMING REQUIREMENTS
34	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	F18DR70	5.0	-	0.5	120	1	60	X	-	-	12	IN LOW
34.1	1	COMPRESSOR	AMERICOLD	N/A	15.0	-	-	120/208	1	60	X	-	-	*	IN ELEC LOCATION TYP. EXACT REQUIREMENTS TYP.
35	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	F18DR70	5.0	-	0.5	120	1	60	X	-	-	12	IN LOW
35.1	1	COMPRESSOR	AMERICOLD	N/A	15.0	-	-	120/208	1	60	X	-	-	*	IN ELEC LOCATION TYP. EXACT REQUIREMENTS TYP.
37	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	F18DR87	5.0	-	0.75	120	1	60	X	-	-	12	IN LOW
37.1	1	COMPRESSOR	AMERICOLD	N/A	15.0	-	-	120/208	1	60	X	-	-	*	IN ELEC LOCATION TYP. EXACT REQUIREMENTS TYP.
43	1	EXHAUST HOOD	CAPTIVE-AIRE	CUSTOM	5.0	-	-	120	1	60	X	-	-	*	IN ELEC LOCATION TYP. EXACT REQUIREMENTS TYP.
-	-	-	-	-	5.0	-	-	120	1	60	X	-	-	*	IN ELEC LOCATION TYP. EXACT REQUIREMENTS TYP.
-	-	-	-	-	5.0	-	-	120	1	60	X	-	-	*	IN ELEC LOCATION TYP. EXACT REQUIREMENTS TYP.
48	1	OVEN, FINISHING	EQUIPEX	SEM-60Q	12.0	2.8	-	208	1	60	-	X	6-20P	-	-
49	1	COFFEE MAKER, INSULATED SERVER, AUTOMATIC	FETCO	CBS-52H-20	22.4	4.6	-	120/208	1	60	X	-	-	-	-
51	1	FREEZER, UNDERCOUNTER	TRUE FOOD SERVICE	TUC-27F-D-2	7.4	-	0.33	115	1	60	-	X	5-15P	12	-

REVISIONS BY

1	GEN. REV.	02.14.13
2	GEN. REV.	04.05.13
3	GEN. REV.	05.22.13

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

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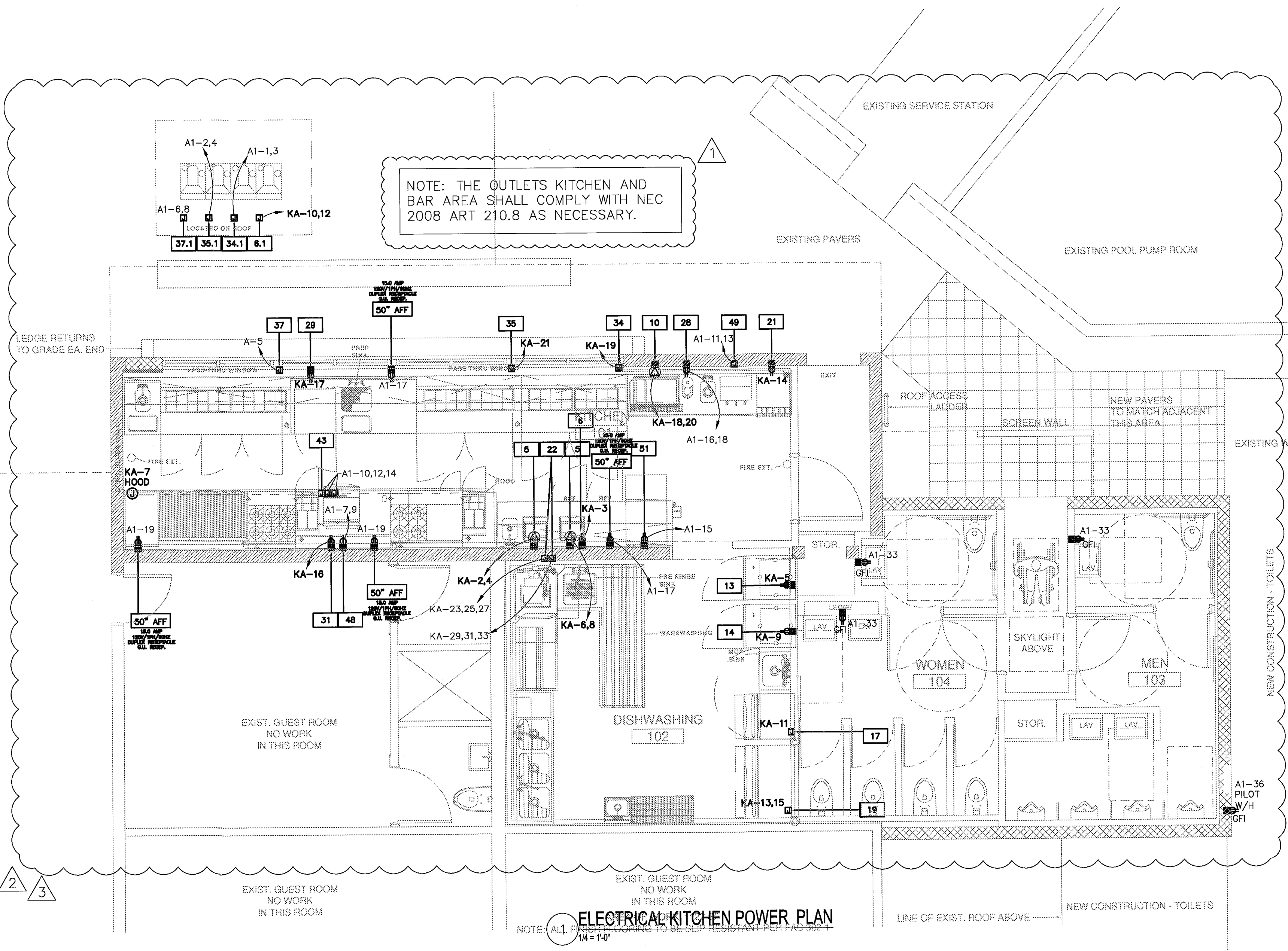
Electrical Legend

- DUPEX RECEPTACLE MOUNTED 18" AFF U.O.N.
- DEDICATED DUPEX RECEPTACLE MOUNTED 18" AFF U.O.N.
- ⊕ QUADRUPLE RECEPTACLE MOUNTED 18" AFF U.O.N.
- ⊗ DEDICATED QUADRUPLE RECEPTACLE MOUNTED 18" AFF U.O.N.
- FLOOR MOUNTED DUPEX 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 WORKSTATIONS. 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:

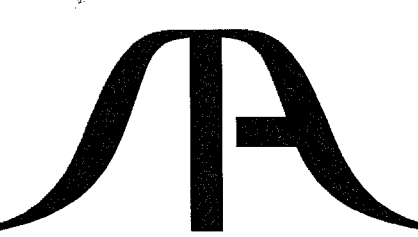
E DENOTES EXISTING TO REMAIN
R DENOTES EXISTING TO BE RELOCATED



ELECTRICAL KITCHEN POWER PLAN
NOTE: ALL ITEMS ARE NEW UNLESS OTHERWISE INDICATED
1/4" = 1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:

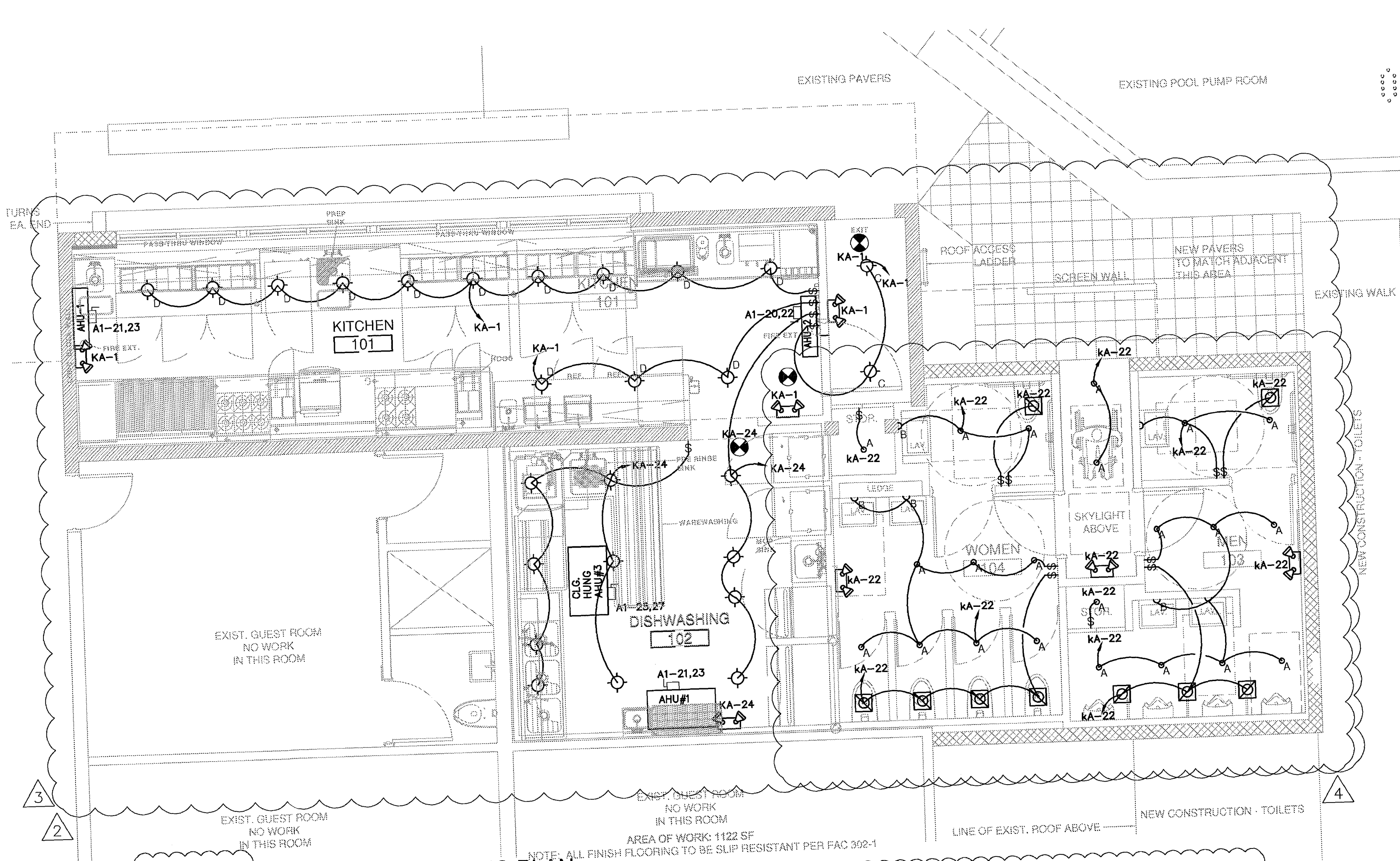
BUILDING: _____
ZONING: _____
DRB/HPB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: _____
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: _____
STRUCTURAL: _____
ELEVATOR: _____



STA ARCHITECTURAL GROUP

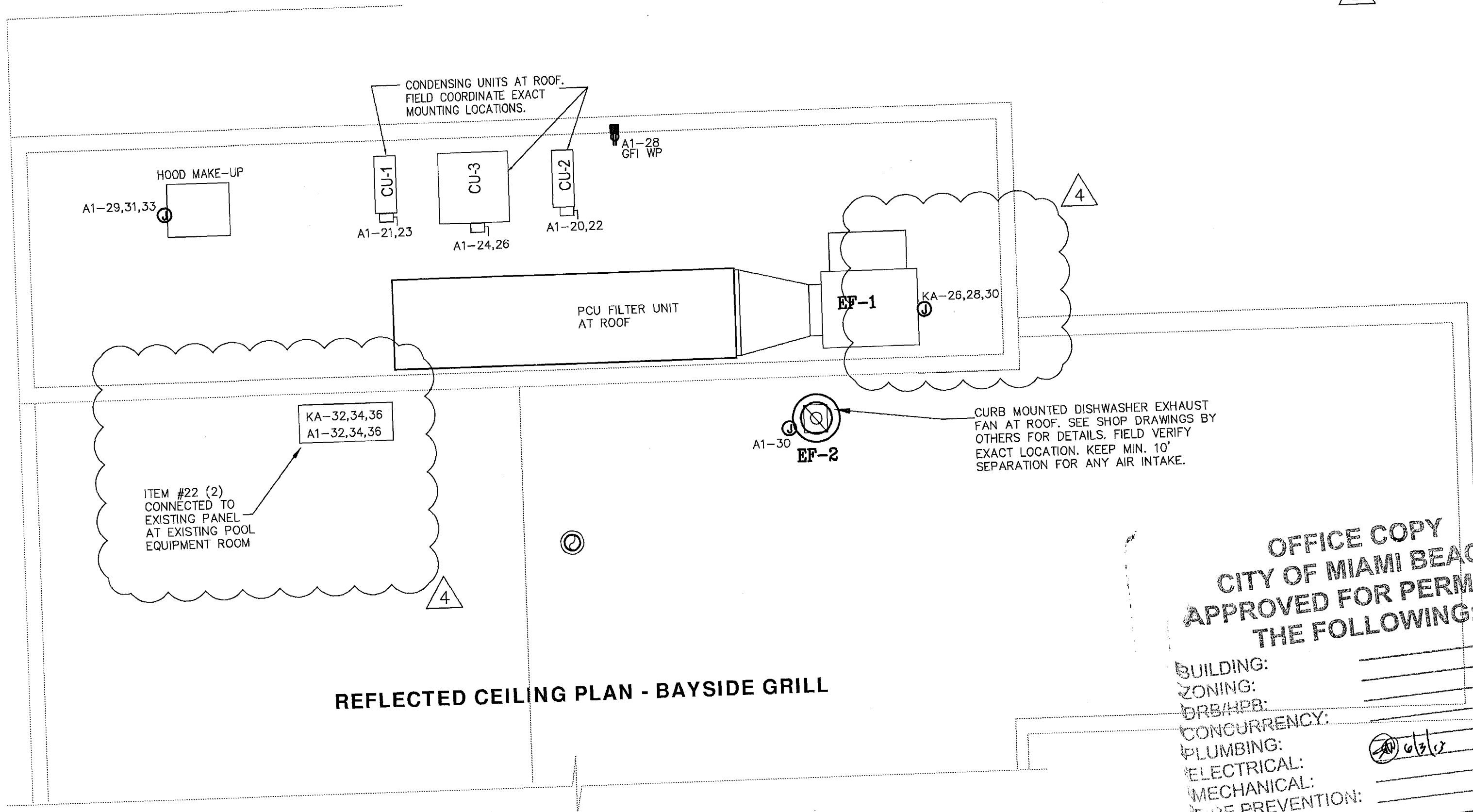
FAULT CURRENT CALCULATIONS:

- DEMAND LOAD : PANEL "KA"
250A, 120/208V, 3 PH.
DEMAND LOAD: 90,000 VA - 250 AMPS
- 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 : $(1,500,000 / (360) / 61,315 = 0.067$
- SERVICE CABLE FOR PNL "KA": 3 #300, MCM CU. IN 3" C. EACH SET (LENGTH : 280 LIN. FT.)
- REACTANCE OF SERVICE CABLES :
REACTANCE OF 30' OF SERVICE CABLE TO PNL "KA" :
(3 #300 MCM CU IN AL. CONDUIT)
 $0.000041 \text{ OHMS/FT. (NEC TABLE 9, CHAPTER 9)}$
 $3 \times 2 \times 280 \text{ FT.} \times 0.000041 \text{ OHM/FT.} = 0.0068 \text{ OHM/FT.}$
REACTANCE FOR SERVICE FEEDERS: 0.0068 OHM/FT.
- FEEDER EQUIVALENT PER UNIT IMPEDANCE FOR A 1500 KVA BASE TRANSFORMER :
 $1500,000 \text{ KVA} / (360) = 4,166 \text{ A (NOMINAL CURRENT)}$
 $360\text{V} / 0.0068 \text{ OHM} = 52,941 \text{ SCC}$
 $4,166 \text{ A} / 52,941 \text{ A} = 0.078$
- TOTAL PER UNIT IMPEDANCE (FP&L X-FORMER + SERVICE FEEDERS)
Z (TOTAL) : $0.067 \text{ (FP\&L X-FORMER)} + 0.078 \text{ (SERVICE FEEDERS)}$
Z (TOTAL) : 0.145
- TOTAL MAXIMUM AVAILABLE SHORT CIRCUIT CURRENT :
 $250 \text{ AMPS} / 0.145 = 1,724 \text{ ASYMMETRICAL}$
- A.I.C. REQUIRED IF MAIN CIRCUIT BREAKERS ARE USED :
 $1,724 \times 1.25 = 2,155 \text{ AMPERES ASYMMETRICAL}$
- A.I.C. REQUIRED IF FUSES ARE USED WITH A MAIN DISCONNECT SWITCH:
 $1,724 \times 1.60 = 2,758 \text{ AMPERES ASYMMETRICAL}$
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"

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CITY OF MIAMI BEACH
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THE FOLLOWING:

- BUILDING: _____
- ZONING: _____
- DRB/HBP: _____
- CONCURRENCY: _____
- PLUMBING: _____
- ELECTRICAL: _____
- MECHANICAL: _____
- FIRE PREVENTION: _____
- ENGINEERING: _____
- PUBLIC WORKS: _____
- STRUCTURAL: _____
- ELEVATOR: _____

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	COMMENT CITY 04.18.13
4	GEN. REV. 05.22.13

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ENERGY SERVICES INC
CONSULTING ENGINEERS
C.A. #1058
ESBEN ANDREWS, P.E.
#8089/2012 & #40464
3001 SW 15TH AVE
MIAMI, FL 33135
TEL: 305.571.1811
www.esiinc.com

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

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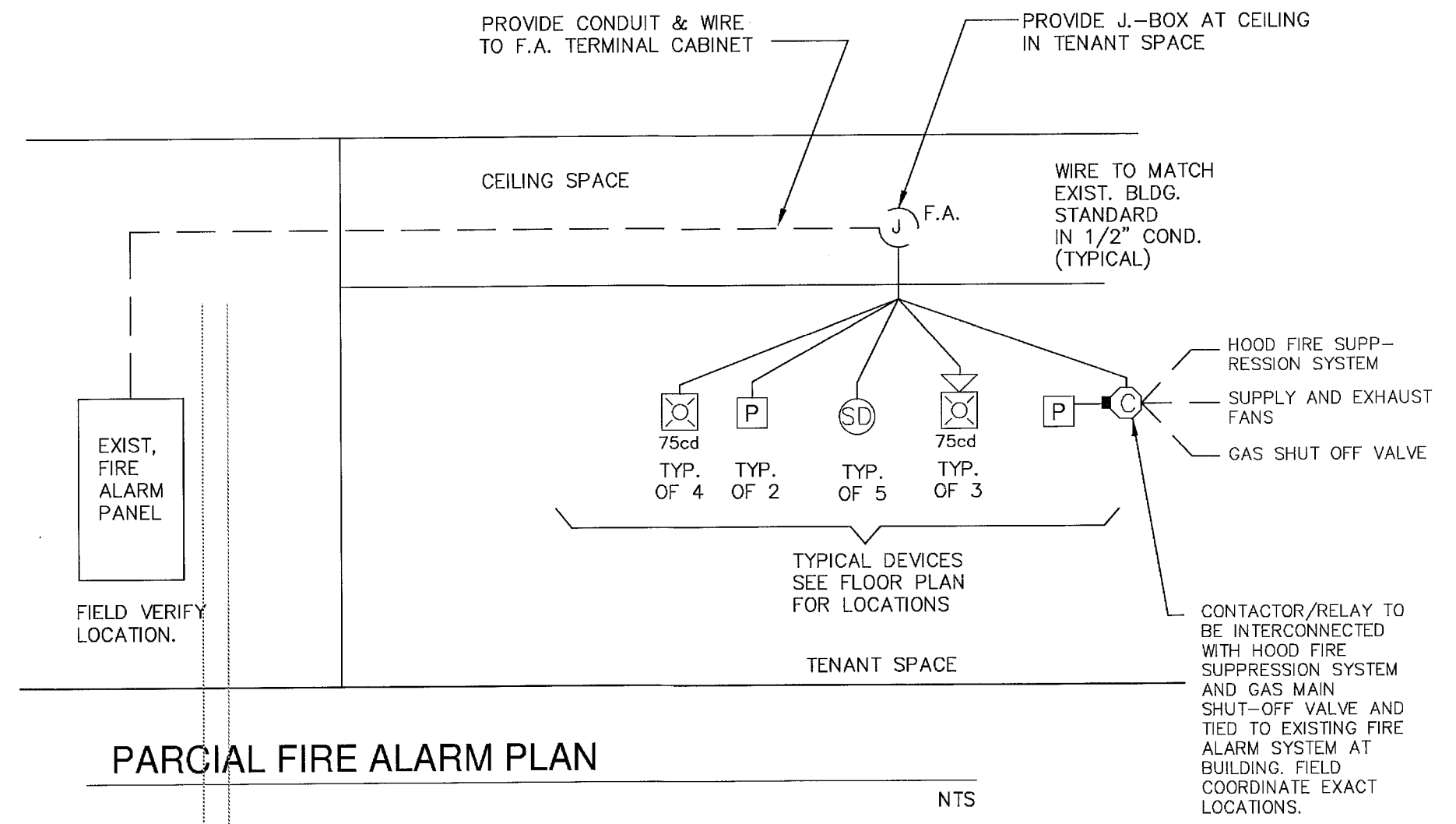
STA ARCHITECTURAL GROUP
3826 NORTH MIAMI AVE. MIAMI, FL 33127
305.571.1811 FAX 305.571.1821

1.03 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 (HVAC).
 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 OCCURRED 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 BALLPOON 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/SSTROBE CEILING LIGHT TO MATCH BUILDING STD.
- PULL STATION - FIELD VERIFY
- SMOKE DETECTOR
- HORN/SSTROBE 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.

REVISIONS BY

1 GEN. REV.	02.14.13
2 GEN. REV.	05.22.13

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 1001 N.W. 10th St.
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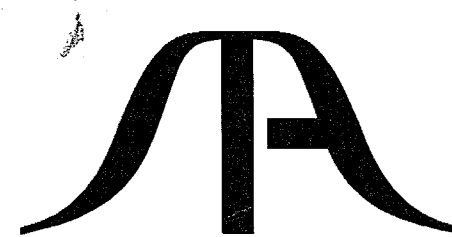
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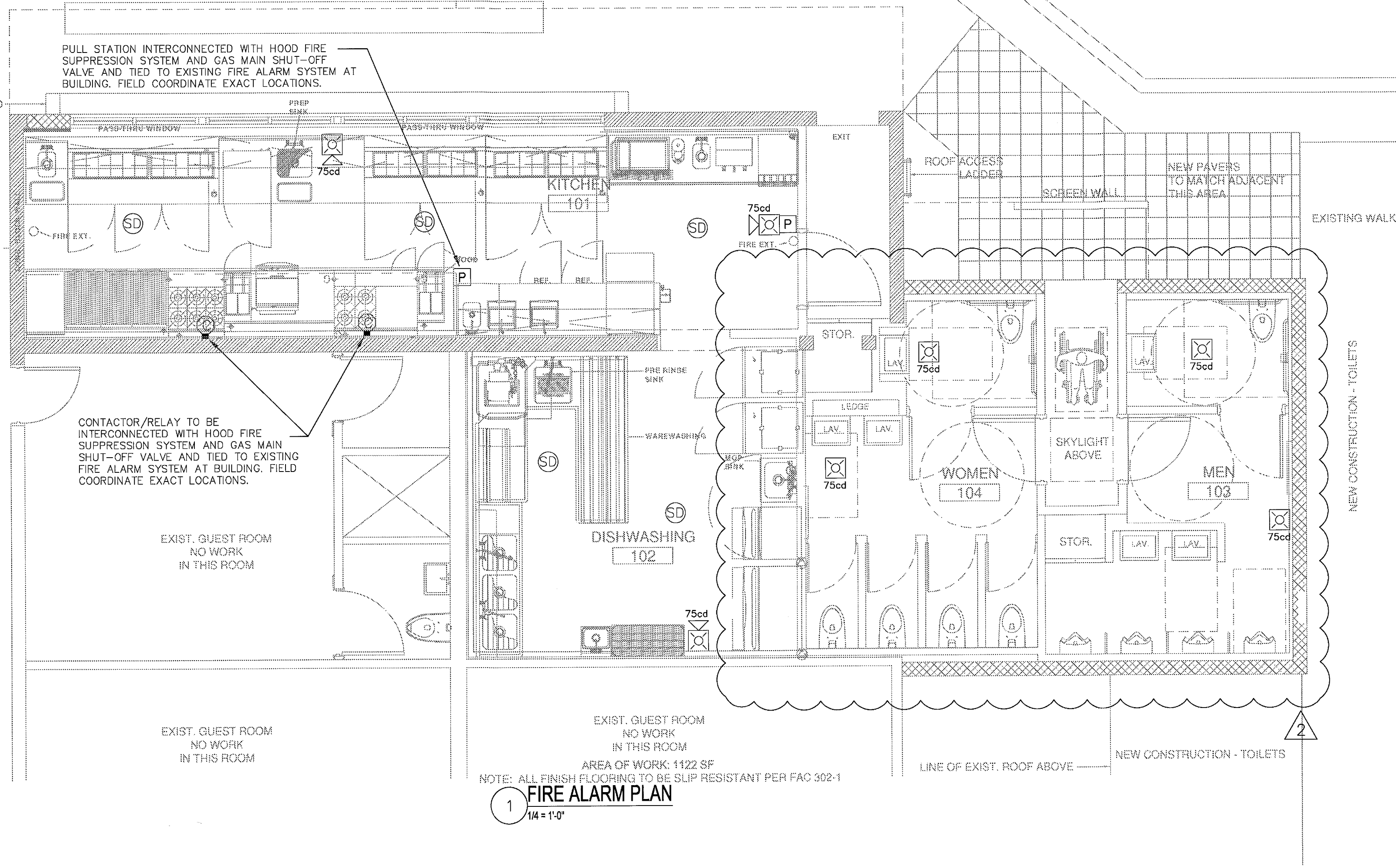
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City of Miami Beach
 Fire Prevention Division
 PLANS APPROVED



1 FIRE ALARM PLAN
 1/4" = 1'-0"

NOTE: ALL FINISH FLOORING TO BE SLIP RESISTANT PER FAC 302-1