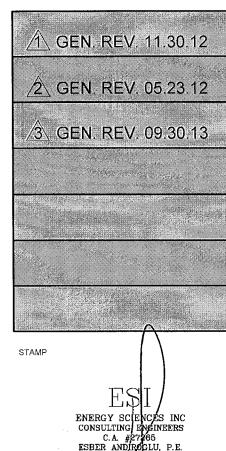


THE STANDARD

40 ISLAND AVE MIAMI BEACH, FL 33139

**BAYSIDE GRILL** HVAC PLAN

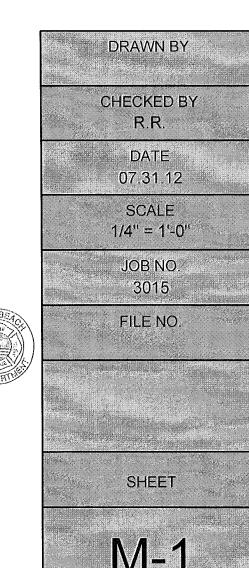
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PRIOR TO PROCEEDING WITH WORK.



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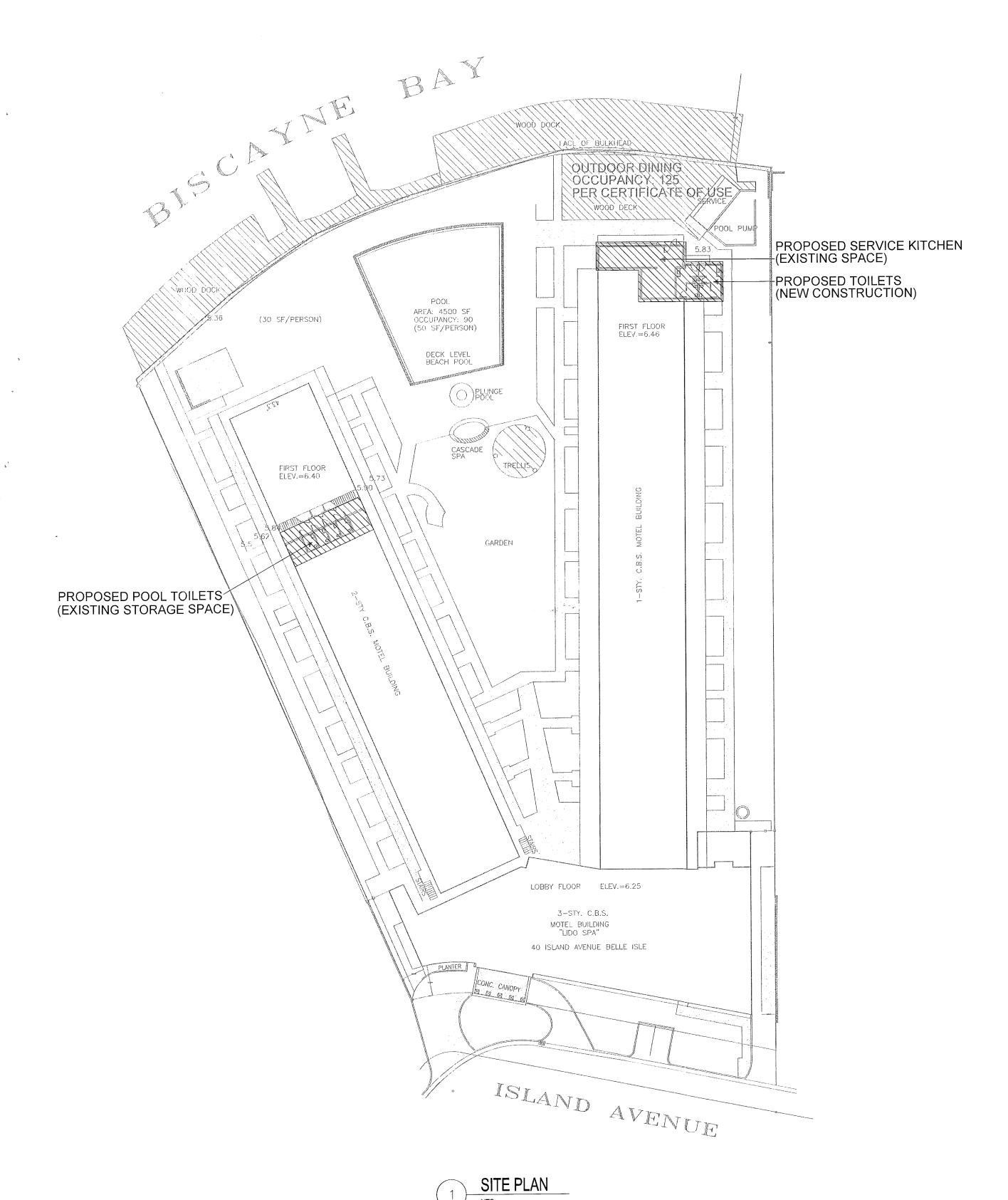
City of Miami Beach

Fire Prevention Division

PLANS APPROVED

F'LUMBING: ELECTRICAL ECHANICAL RE PREVENTION 00D: JBLIC WORKS VATUR:





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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:
ELECTRICAL:

THE STANDARD

40 ISLAND AVE MIAMI BEACH, FL 33139

BAYSIDE GRILL
HVAC POOL
TOILETS PLAN

GEN. REV. 11.30.12

QEN. REV. 04.05.13

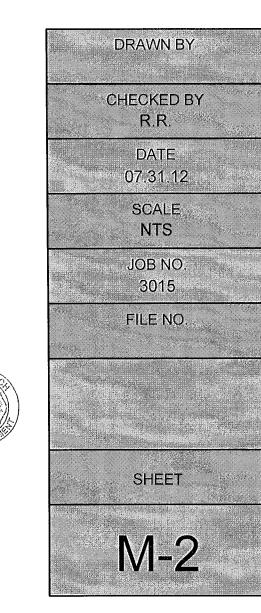
GEN. REV. 04.26.13

BENERGY SCIENCES INC CONSULTING ENGINEERS
C.A. #27285
ESBER ANDIROGLU, P.E. MECH. / ELEV. — #42454
2821 DOUGLAS (ADD)
MIAMAN FILES (13.15)
MIAMAN FILES (13.15)

TODD TRAGASH, A.I.A. FLORIDA

REGISTRATION NUMBER #11053

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STA ARCHITECTURAL GROUP

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

### VENTILATION HOOD NOTES.

- ALL WORK SHALL COMPLY WITH THE "GENERAL CONDITIONS OF WORK" AS OU'TLINED IN LANDLORD'S CRITERIA.
- GREASE HOOD AT KITCHEN SHALL BE 18GA. TYPE 304 STAINLESS STEEL. ALL SEAMS AND JOINTS SHALL BE LIQUID TIGHT CONTINUOUSLY WELDED AND SHALL COMPLY WITH NFPA-96. NSF AND SHALL BEAR A UL LABEL. HOODS SHALL BE SUPPORTED BY 3/16" STEEL ANGLES SPANING JOISTS AND 3/8" THREADED RODS WITH WASHERS AND BOLTS EXTENDED DOWN TO HANGER BRACKETS. WHERE OFFSETS OCCUR, TRAPIZE HANGERS SHALL BE USED.
- AT GREASE HOOD, USE REMOVABLE 18 GA 304 STAINLESS STEEL GREASE TROUGH AND CUP MOUNTED UNDER STAINLESS 16. STEEL FILTER FRAME. GREASE EXTRACTORS SHALL BE BAFFLE TYPE, ALUMINUM 16"x20"x2" WITH DIELECTRIC MATERIAL BETWEEN DISSIMILAR METALS.
- EXHAUST DUCTWORK SHALL BE 16 GA CARBON STEEL WITH LIQUID TIGHT CONTINUOUS WELDING. EXHAUST VELOCITIES BETWEEN 1800 AND 2200 FPM.
- SUPPLY DUCTWORK SHALL BE 24 GA. GALVANIZED STEEL. SUPPLY AIR VELOCITY TO BE 1200 FPM.
- EXHAUST AND SUPPLY DUCTWORK SHALL BE CONSTRUCTED AND DESIGNED IN ACCORDANCE WITH NFPA-96 AND SMACNA STANDARDS.
- EXACT LOCATION OF DUCTWORK, OFFSETS, ETC SHALL BE COORDINATED WITH ACTUAL FEILD CONDITIONS BUT IN NO WAY SHALL VARY MATERIALLY FROM THE LOCATIONS SHOWN IN THE DRAWINGS.
- ALL HOODS SHALL OVERHANG EQUIPMENT A MINIUM OF 6" IN EACH DIRECTION OR AS INDICATED IN THE DRAWINGS, WHICHEVER IS GREATER.
- SUPPLY AND EXHAUST FANS SHALL BE INTERLOCKED BY A MICROSWITCH TO GAS PILOT LIGHTS. FIRE MODE SHALL CONTINUE THE EXHAUST FAN WHILE SHUTTING DOWN THE SUPPLY FAN. EXHAUST FANS SHALL OPERATE WHENEVER THE FIRE EXTINGUISHING SYSTEM IS ACTIVATED.
- FIXED PIPED EXTINGUISHING SYSTEM SHALL BE ARRANGED FOR SIMULTANEOUS AUTOMATIC OPERATION UPON ACTIVATION OF EITHER THE GREASE HOOD EXHAUST OR MAKE-UP AIR FANS.
- EXHAUST FAN SHALL BE SUPPORT STAND, AT ROOF AND SUPPORTED WITH ANGLE IRON SUPPORT FRAMES ALL FRAMES TO BE PAINTED FOR RESISTANCE TO CORROSION.

- 12. DISCHARGE OF EXHAUST FANS SHALL BE A MINIMUM OF 12" FROM ROOF SURFACES AND 10' MINIMUM HORIZONTALLY FROM FRESH AIR INTAKES OF ANY SUPPLY FANS.
- 13. EXHAUST FAN SHALL BE LISTED AS UL YZHX SUBJECT 762.
- SUPPLY FAN SHALL BE INLINE CEILING HUNG , EXH FAN SHALL BE SUPPORT STAND USING A FACTORY GREASE COLLECTION BOX SUPPORT, PER LANDLORD'S CRITERIA.
- 15. SUPPLY FAN SHALL BE SEPARATED FROM EXHAUST FANS AND FROM PLUMBING VENTS A MINIUM OF 10' HORZ.
- SUPPLY FAN SHALL BE ELECTRICALLY INTERLOCKED WITH EXHAUST FAN AND HOOD FIRE SUPPRESSION SYSTEM SO THAT IN FIRE MODE SUPPLY FANS ARE OFF, EXHAUST FAN IS ON, AND GAS IS OFF.
- WHILE IT IS CLEARLY THE CONTRACTORS RESPONSIBILITY TO DETERMINE SPECIFIC AREAS OF WORK FOR THE VARIOUS TRADES, THE FOLLOWING WORK SHALL BE ASSIGNED TO SPECIFIC TRADES AS FOLLOWS: a. PLUMBING CONTRACTOR: SHALL INSTALL THE GAS SHUT-OFF VALVE WHICH SHALL BE SUPPLIED BY THE OWNER'S FIRE PROTECTION SUBCONTRACTOR.
  - b. ELECTRICAL SUBCONTRACTOR: SHALL SUPPLY AND INSTALL MAGNETIC STARTERS FOR FANS, DISCONNECTS FOR FANS, FGAN SWITCHES, RELAYS, SHUNT TRIP BREAKERS, ELECTRICAL CONDUIT, WIRING AND OTHER ASSOCIATED ELECTRICAL HARDWARE.
- c. ELECTRICAL SUBCONTRACTOR: SHALL PROVIDE ALL NECESSARY CONNECTIONS, INTERCONNECTIONS AND START-UP FOR ALL EXHAUST VENTILATORS, FIRE PROTECTION SYSTEM MICROSWITCHES, MOTOR CONTROLS, LIGHT FIXTURES AND SWITCHES, EXHAUST AND SUPPLY FANS AND OTHER ASSOCIATED ELECTRICAL HARDWARE.
- HOOD EXH. DUCT SHALL BE FIRE WRAPPED WITH (2) LAYERS OF PYROSCAT FP FOIL FACED WRAP WHEN ENTER BUILDING EXH CHASE OR WHEN CROSSING RESTAURANT DEMISING WALLS TO EXTERIOR ALL EXH. AND SUPP DUCTS SHALL RUN ATATTIC SPACE.
- 19. ALL ROOFING WORK, INCLUDING BUT NOT LIMITED TO INSTALLING ROOFING MATERIALS, CUTTING AND PATCHING THE ROOF, ROOF FRAME MOUNTING AND OTHER ASSOCIATED ROOF WORK SHALL BE DONE BY A ROOFING CONTRACTOR AND SUCH WORK BY. THE CONTRACTOR'S ROOFING CONTRACTOR SHALL NOT VOID ANY ROOFING WARRANTIES CURRENTLY IN PLACE ON THE ROOFING SYSTEM.
- 20. HOOD SYSTEM FURNISHED BY CAPTIVE AIRE, AND INSTALLED BY G.C. SHALL MEET THE REQUIREMENTS OF NFPA 96 AND SUPPRESION SYSTEM THAT OF NFPA 17A.

### KITCHEN HOOD EXHAUST DUCT FIRE BARRIER DUCT WRAP SPECIFICATION.

FIRE BARRIER DUCT WRAP SHALL COMPLY WITH REQUIREMENTS OF FLORIDA BUILDING CODE 2007 MECHANICAL WITH 2009 SUPPLEMENTS SECTION 506.3.10 EXCEPTION 1. FIRE BARRIER DUCT WRAP SHALL BE TESTED IN ACCORDANCE WITH ASTM E814. SURFACE BURNING CHARACTERISTICS SHALL MEET ASTM E84. FOIL ENCAPSULATED BLANKET SHALL HAVE A FLAME SPREAD AND SMOKE DEVELOPED RATING OF O. MAKE: 3M FIRE BARRIER DUCT WRAP 15A.

HOOD AIR BALANCE :	EXHAUST (CFM)	M/A (CFM)
HOOD FAN:		
GREASE HOOD	5,125	3,300
DISHWASH HOOD	600	
A/C OUTSIDE AIR INTAKE:		200
TOTALS:	5,725	3,500

HVAC D	esign	Sch	redule.
HVAC DESIGN REQUIRES:	YES	NQ	REMARKS
DUCT SMOKE DETECTOR(S)		NQ	
FIRE DAMPER(S)		NO	
SMOKE DAMPER(S)		NO	
FIRE RATED PARTITION		NO	
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		NO	
FIRE STOPPING	1	NO	
SMOKE CONTROL		NO	

TAG	LOCATION	TYPE	MATERIAL	PATTERN	FACE SIZE	MANUFACTURER & MODEL NO.	GENERAL	REMARKS
A	CEILING	SUPPLY	ALUMINUM	4-WAY	8x8	TITUS PAS-AA	LAY-IN, OBD AG-75, WITH ADJUSTABLE PATTERN CONTROLLER	1,2,3,4
B	CEILING	RETURN	ALUMINUM	_	24x24	TITUS 350FL	LAY-IN, OBD AG-75 DAMPER	1,2,3,5
©	CEILING	SUPPLY	ALUMINUM	1-WAY	DUCT+2"	TITUS CT480	SURFACE MOUNT	1,2,3,4

- 2. COORDINATE FRAME STYLES WITH CEILING OR WALL SYSTEM.
- 3. N.C. VALUES FOR DIFFUSERS, GRILLES AND REGISTERS SHALL NOT EXCEED 25, WITH A ROOM ABSORPTION RATE OF 10db.
- 4. PROVIDE BACK SIDE OF SUPPLY AIR DEVICES WITH FACTORY INSTALLED R.6 INSULATION BLANKET.
- 5. ANY VISIBLE PORTION OF RETURN AIR DUCTWORK THROUGH THE AIR DEVICE SHALL BE PAINTED WITH TWO (2) COATS OF FLAT BLACK PAINT.

ASHRAE & SMACNA STANDARDS AND IN COMPLIANCE WITH UL 181.
4. DUCT DIMENSIONS ARE IN INCHES AND CORRESPOND TO INSIDE DIMENSIONS WIDTH X HEIGHT. DUCT SYSTEM SHALL COMPLY WITH INFPA STD. NO. 90A AND/OR 90B. DUCTWORK AND MATERIALS SHALL BE GL 1 MATERIALS IN ACCORDANCE WITH U.L. 181 TESTS.
5. COORDINATE LOCATIONS, SIZES & OPENINGS W/OTHER TRADES OF JOB. A/C CONTRACTOR SHALL PROVIDE THE COMPLETE DUCT SYSTEM W/TURNING VANES AT ALL ELBOWS. SPILITTERS AND DAMPERS AS REQUIRED. A/C CONTRACTOR SHALL USE THE BEST PRACTICES OF THE TRADE IN THE FABRICATION AND INSTALLATION OF THE SYSTEM.
6. ALL SUPPLY AIR AND RETURN AIR GRILLES/DIFFUSERS SHALL BE AND SHALL BE LOCATED AND BALANCED IN ORDER THAT THEY DELIVE REQUIRED CFM TO THE ENTIRE ROOM EVENLY & DRAFT FREE TO MAIN THE FOLLOWING DESIGN CONDITIONS:
INSIDE OUTSIDE RELATIVE HUMIDITY
COOLING - 76 DB 90 DB - 79 WB 50% TO 60% HEATING - 72 DB 45 - DB
7. ALL TEMPERATURE CONTROLS SHALL BE IN CPI PANEL WITH REMOTE SENSOR. SENSOR TO BE MOUNTED MIN. 47 48"A.F.F.
8. ALL NEW GRILLES AND DIFFISURES TO BE ALUMINUM CONSTRUCTION DIFFUSERS SHALL HAVE HIDDEN OPPOSED BLADE DAMPERS. PROMOE GASKETS ON ALL GRILLES & DIFFUSERS.
9. LOUVERS SHALL BE ARCHITECTURAL LOUVER, Mo: E4DP, 4" DEEP, 35 DEGREE HP DRAINABLE D BLADE EXTRUDED ALUMINUM STATIONARY LOUVER. (Or equal)
10. PROJECT ARCH. SHALL REVIEW AND APPROVE ALL DIFFUSER TYPES & FINISHES PRIOR TO PURCHASE AND INSTALLATION.

H.V.A.C. NOTES

1. ALL WORK SHALL BE AS PER S.F.B.C. AND NFPA

		1
2. NON-INSULATED GALV. METAL DUCT (30 GAGE) USED FOR: HOOD EXH. DUCT, HOOD M/A DUCT AND A/C O/A INTAKE DUCT WORK.		MIAMI BEACH, FL 33139
3. DUCT WORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS & ACCORDING TO ASHRAE & SMACNA STANDARDS AND IN COMPLIANCE WITH UL 181.		
4. DUCT DIMENSIONS ARE IN INCHES AND CORRESPOND TO INSIDE DIMENSIONS WIDTH X HEIGHT. DUCT SYSTEM SHALL COMPLY WITH NFPASTD. NO. 90A AND/OR 90B. DUCTWORK AND MATERIALS SHALL BE CLASS	*******	BAYSIDE GRILL HWAC NOTES &
1 MATERIALS IN ACCORDANCE WITH U.L. 181 TESTS.	· August	SCHEDULES
5. COORDINATE LOCATIONS, SIZES & OPENINGS W/OTHER TRADES ON THE JOB. A/C CONTRACTOR SHALL PROVIDE THE COMPLETE DUCT SYSTEM W/TURNING VANES AT ALL ELBOWS. SPILITTERS AND DAMPERS AS		SCHEBOLLS
REQUIRED. A/C CONTRACTOR SHALL USE THE BEST PRACTICES OF THE TRADE IN THE FABRICATION AND INSTALLATION OF THE SYSTEM.		RE CNS BY
6. ALL SUPPLY AIR AND RETURN AIR GRILLES/DIFFUSERS SHALL BE NEW AND SHALL BE LOCATED AND BALANCED IN ORDER THAT THEY DELIVER THE REQUIRED CFM TO THE ENTIRE ROOM EVENLY & DRAFT FREE TO MAINTAIN THE FOLLOWING DESIGN CONDITIONS:		<b>∱</b> GEN REV. 11.30.12
INSIDE OUTSIDE RELATIVE HUMIDITY  COOLING - 76 DB 90 DB - 79 WB 50% TO 60%	TOWNS AND THE	<b>2</b> GEN. REVI 04.05.13
COOLING - 76 DB 90 DB - 79 WB 50% TO 60% HEATING - 72 DB 45 - DB		3 GEN. REV: 05.23.13
7. ALL TEMPERATURE CONTROLS SHALL BE IN CPI PANEL WITH REMOTE SENSOR. SENSOR TO BE MOUNTED MIN. AT 48"A.F.F.	<b>*</b>	4 GEN. REV. 05,23.13
8. ALL NEW GRILLES AND DIFFISURES TO BE ALUMINUM CONSTRUCTION. DIFFUSERS SHALL HAVE HIDDEN OPPOSED BLADE DAMPERS. PROMOE GASKETS ON ALL GRILLES & DIFFUSERS.		
	1 %	

THE STANDARD

ENERGY SCIENCES INC CONSULTING ENGINEERS C.A. #27265 ESBER ANDROGLU, P.E.

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

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CHECKED BY

 $\sim$  R.R.

DATE

07.31.12

SCALE NTS

JOB NO. 3015

FILE NO.

SHEET

40 ISLAND AVE

STAMP

11. ALL CONDITIONS AND SYSTEMS NOTED AS EXISTING SHALL BE FIELD VERIFIED. ALL NECESSARY SERVICE & REPAIRS SHALL BE PROVIDED TO THE EXISTING SYSTEM IN ORDER TO ENSURE PROPER OPERATION.

12. CONTRACTOR SHALL FIELD VERIFY/COORDINATE ALL CONDITIONS AND PARAMETERS W/OTHER TRADES INVOLVED W/THE PROJECT.

12. CONDENSER WATER SUPPLY AND RETURN PIPES SHALL BE COPPER (OR MATCH BUILDING STANDARD). NO COMBUSTIBLES MATERIALS ALLOWED IN OPEN PLENUM.

		EXHAL	JST FAN	SCHE	EDULE	- •	
UNIT NO.	MANUF. MOD. WEIGHT (Lbs)	MOUNTING POSITION	SERVICE	CFM	RPM	S.P. IN.	ELECTRICAL RATING
EF-1	NUTONE QTXEN050	CEILING/WALL	BATH RM.	50		.375	115 V, 1ø
EF-2	JENN Co FAN TXB-815 68	CURB MOUNTED AT ROOF	DISHWASHER EXH.	600	1,665	3/4"	115 V, 1ø, 20 A, 1/4 HP
EF-3	NUTONE QTXEN080	CEILING/WALL	BATH RM.	80		.375	115 V, 1ø
EF-4	NUTONE QT200	CEILING	BATH RM.	200		.375	115 V, 1ø, 1 A

BATH ROOM EXH. FANS SHALL BE EQUIPPED W/BUILT—IN BACKDRAFT DAMPER & INTERLOCKED WITH LIGHTING CONTROL SWITCHES.

		ASI	HRAE STAN	NDARD 62.1- Voz=[(Rp >		<del></del> -		LATION		
VENTILATION ZONE	Rp OUTDOOR AIR RATE PER PERSON	Pz QUANTITY AIR RATE PEOPLE	Vbzp VENTILATION BASED PEOPLE	Ra ONOUTDOOR AIR RATE BASED ON AREA	Az AREA	Vbza VENTILATION BASED ON AREA	Vbz TOTAL VENTILATION RATE	Ez ZONE AIR DISTR'N EFF	Voz ZONE O/A=Vbz/Ez	PROVIDED CFM
KITCHEN	7.5	10	75	0.18	620	112	187	1	187	200
RESTROOMS	5.0	4	20	0.06	. 259	15.54	35.54	1	35.54	40
TOTAL	•									240

 $\vdash_{\mathsf{HOPTES}}$ . OUTSIDE AIR CALCULATIONS PER FBC 2007 WITH 2009 SUPPLEMENTS - MECHANICAL 403.4 2. BATHROOM EXHAUST = 50 CFM, PER WATER CLOSET OR URINAL PER FBC 2007 WITH 2009 SUPPLEMENTS.

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		AIR CO	ONDITIO	ning u	INIT SC	HEDU	LE					Pl	LANS	APPROV
UNIT NO. (WEIGHT)	MANUF. MOD. (POSITION OF MOUNTING)	UNIT NO. CU MODEL (WEIGHT)	TOTAL CAP. BTU/HR	SENSIBLE CAP BTU/HR	LATENT CAP BTU/HR	EVAPO AIR FL	PRATOR LOW S.P. IN	COM. FLA	OUT DOOR FAN FLA	BLOW COIL FLA HP	REFRIG.	REFRIG. PIPES (QTY)SIZE	HEAT KW V ph a	COND. UNIT V ph
AHU#1 & 2 SEER=13	CARRIER 40QNC030 (WALL HUNG)	CU-1 & 2 38HDF030	30,000	19,800	10,200	930	<b>~~~</b>	17.9	1.45	0.38 79 WALTS	R-410A	V:(1) 3/4 L:(1) 3/8	NONE	208/230
AHU# 3	FIRST CO. 36PHYX (CEILING HUNG)	CARRIER CU-3 24ABB436A003	36,000	25,400	9,600	1,480	0.40	16.7	1.2	4.4	R-410A	V: (1) 3/4	NONE	
				~~~			~~~	~~~	~~~		CHY	MAG	MAH	BEAG
								!		AL	PRO	VED F	ORF	ERW
										20 M (S		a serious productive b	H ASSA H II	JAK TOM

OUTDOOR CONDITIONS: 95 F DB, 79 FWB INDOOR CONDITIONS: 74°F DB, RELATIVE HUMIDITY = 50%

ph - NUMBER OF PHASES a — FUSE AMPS

**BUILDING:** ZONING: PLUMBING: \*LECTRICAL TECHANICAL: FIRE PREVENTION: FLOOD:

PUBLIC WORKS

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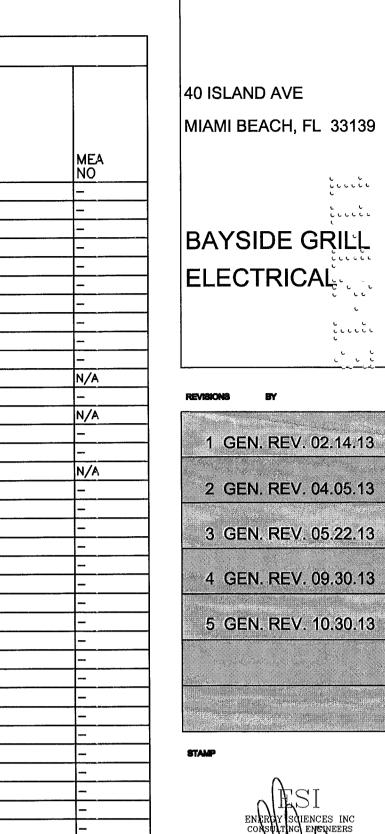
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FAX 305.571.1821

BREVI40010 B1205614 Up Island Av Office Copy

			ELEC	TRICAL S	С	HE	E D	UL	E						
ITEM	OTV	FOURDMENT CATEGORY	MANUFACTURER	MODEL NUMBER	AMPS	KW	НР		PHASE		DIRECT	NEMA	ROUGH IN	ELECTRICAL REMARKS	MEA NO
NO		EQUIPMENT CATEGORY	BAKERS PRIDE	EXISTING	-		_=			<del>-</del>				L	_
<u> -</u>		BROILER, UNDER-FIRED/GAS	SOUTHBEND	P36D-TTB W/ P12C-B	_		_				= =	_			_
7		RANGE, HEAVY DUTY, GAS	PITCO	SG14S	_	_	_	_	-	_		<del>                                     </del>	_		_
3.1		FRYER, DEEP FAT, GAS FRYER SHIELD	GOLDENSHTEIN	FS	_	_		_	_		_ _	<del>  -</del>	<del>  -</del>	_	<b>–</b>
J. 1		RANGE, HEAVY DUTY, GAS	SOUTHBEND	P32D-BBB		_			-	_	= =		_		-
5		GRIDDLE, DOUBLE—SIDED, ELECTRIC	EQUIPEX	PANINI	12.0	3.0	_	208	1	60	_ x	6-15P	50	SINGLE RECEPTACLE	_
6		REFRIGERATED WORK TABLE, REMOTE	DELFIELD	18WR54R	3.0	_	0.25	115	1	60	x -	_	12	JB COM	_
7		FRYER, DEEP FAT, GAS	PITCO	SG14S	_	_	_	_	-	_	- -	_	_	-	_
8			PKI	WORK TABLE 30X48	_	_	_	-	-1	-	= =	_	_	-	-
9		TABLE, ENCLOSED BASE, BEVERAGE	ADVANCE TABCO	BEV-30-108R	_	_	_	-	$\Box$	-	- -	_	-	-	-
10		2 GROUP ESPRESSO MACHINE	LA SPAZIALE	S5 EK	30.0	3.5	_	220	1	60	- x	L6-30P	50	SHOLE RECEPTAGLE	_
11			PKI	WORK TABLE 36X22	_	ı	-	-	-		-   -	_	_	-	_
12		DISHTABLE, 'L' SHAPE, 14 GAUGE	PKI	SOIILED DISHTABLE	_	-	_	_	_	-	-   -		_	-	
13		FREEZER, REACH-IN	TRUE FOOD SERVICE	STG1F-1S	6.8	ı	0.33	115	1	60	- X	5-15P	12	DUPLEX RECEPTAGLE	_
14		REFRIGERATOR, REACH-IN	TRUE FOOD SERVICE	STG1R-1S	4.8	1	0.33	115	1	60	- x	5-15P	12	NUMBER RECEPTAGLE	
15		FILTER SYSTEM, ICEMAKER	EVERPURE	EV9324-22	_	ł			_		-   -	_	_	<b>_</b>	_
16		SINK, MOP	PKI	MOP SINK 20X24	-	1		_	-	-			_		
17	1	ICE MAKER W/O BIN	MANITOWOC ICE	ID-0502A	14.2	1	0.75	115	1	60	<u> </u>	_	70	AD CORF	_
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	<u> </u>		71	AD COM	_
20	1	BIN, ICE	HOSHIZAKI AMERICA	B-1300SS	_	_	_	_	듸		_ _	<u> </u>	=	WT	_
21	1	STAINLESS STEEL SODA AND ICE DISPENSING TOWER	LANCER	IBD 4500 22"	3.0	_		115	1	60	_			DUPLEX RECEPTACLE	_
22	1	WAREWASHER, DOOR TYPE, HIGH TEMP	HOBART US FOODSERVICE	AM15VLT-2	24.9	_		208-240		60				20 ab CON STC	_
-		-	_	-	20.4	_	_	208-240	3	$\vdash$	<u> </u>		12		
23	1	DISHTABLE, STRAIGHT, 14 GAUGE	PKI	CLEAN DISHTABLE 51X30				-			_ -		_		
24	1	DISHTABLE, SORTING SHELF	PKI	SORTING SHELF 22"			_			_					<del>-</del>
25	1	POT RACK, WALL MOUNT	PKI	POT RACK 84X12	_			_		_	_ _		<u> </u>	<u> E</u>	J <b>-</b>

			ELEC	TRICAL	S C	H E	<u> D</u>	U L	E						
EM OT		FOLUDIAENT CATECORY	MANUFACTURER	MODEL NUMBER	AMPS	KW	НР	VOLTS	PHASE	CYCLE	PLUG	NEMA	ROUGH IN AFF (IN)	ELECTRICAL REMARKS	MEA NO
	_	EQUIPMENT CATEGORY SINK, NSF, 3 COMP, 14 GAUGE	PKI	3 COMP SINK	+=			_		_   _	1=1		_	-	_
5 1	_	SHELVING, PLASTIC, LOUVERED	INTERMETRO INDUSTRIES	MQ2460G	<del>-                                    </del>	_				_  _	1-1	_	_	_	
7   1 3   1		COFFEE GRINDER	N/A	N/A	3.0	0.3	_	120	1 6	io –	l x	5-15P	50	DUPLEX NEGETIAGLE	_
	_	FREEZER, UNDERCOUNTER, COMPACT	TRUE FOOD SERVICE	TUC-27F-LP	3.2	_	0.25	115		0 -	$\rightarrow$			SPI DUPLEX RECEPTABLE	_
) 1	_		ADVANCE TABCO	WS-18-24	<del>-</del>	_	_	_		-   -	.   _	_	_		
	_	SHELF, WALL MOUNT	WINSTON INDUSTRIES	HA4507	19.3	2.3	_	120	1 6	30 -	. x	5-20P	30	SHOLE RECEPTACLE	
_   1		CABINET, HOLDING/PROOFING	PKI	SORTING SHELF 95	-	_		-		_  _	<del>                                     </del>		<del>                                     </del>		_
. 1	_	DISHTABLE, SORTING SHELF		10X84	_						.†-		<del>  _</del>		
1		S/S OVERSHELF	DELFIELD DELFIELD	10X24.5	+-		_	_			+-	_	<del>  -</del>		
.1 1	_	S/S OVERSHELF	DELFIELD		3.0	_	0.25	115		50 X	+	_	12	les cow sirc	
1		REFRIGERATOR, SANDWICH/SALAD PREP, REMOTE	DELFIELD	CUSTOM	14.8		0.23	115		30 X				IN BTO, LOOKTON TEO, LOOKT NEGUNDARING TEO	N/A
.1 1		COMPRESSOR	AMERICOLD	N/A				<del> </del>		50 X		_		DOUT REQUIREMENTS TOD  AS COMP BYO	
1	_	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	CUSTOM	5.0	_	0.75	120			_			IRC  IR BTC, LOOKTON TED: DVACT REQUIREMENTS TED	N/A
.1 1	_	COMPRESSOR	AMERICOLD	N/A	12.3			115		30 X	+			CACT REQUIREMENTS TWO  LC. TO PROMOE/NEGALL OF RECEPTACLES IN THELE BACKEPLASH	
1	1 1	TABLE, ENCLOSED BASE, HINGE DOORS	PKI	WT31.5X84	<del>  -</del>		-	-		_   _		_		IN TABLE BACKSPLASH	
1	1 F	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	CUSTOM	5.0		0.75	<u> </u>	_	30 X					
.1 1	1 (	COMPRESSOR	AMERICOLD	N/A	12.3			115		30 X	-		$\vdash$	IN STC, LOCATION TEO; DAAT REQUIREMENTS TEO	N/A
1	1 [	DOUBLE OVERSHELF; SOLID SS	сиѕтом	DOS-15X118.5		_				_  -	- -				
1	1	SINK, HAND, WALL MOUNT	JOHN BOOS & CO.	PBHS-99-P-SSTD			_	-	_	_  -		_	_		_
1	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303							1-				
1	1 !	SHELF, WALL MOUNT	ADVANCE TABCO	WS-18-72		_	_	-	_		-   -			<b>-</b>	
1	1 1	POS PRINTER	BY OWNER	N/A	1.0	_		120	1 €	30 <u> </u>	-   X	5-15P		TO BE PLUGGED INTO MEM 136 G.U. NECEPTROLE	
1	1 1	EXHAUST HOOD	CAPTIVE-AIRE	сиѕтом	20.0		7.5	208	3 €	30 X	(   -		*	2) JO DEA STO FOR FINES CHLY; INTERCONNECTED TO EMS FRHEEL OTEM \$43.1)	<u> </u>
	- 1.	_	_	-	6.0	_	2.0	208		50 X		_	*	-	
.1 1	1	EMS BOX	CAPTIVE AIRE	311110KT	7.0	_	-	120	1 6	30 X	(   -	_		ELECTRICAL REQUIREMENT FOR HOOD CONTROL. HAVEL AND LIGHTS (BKE SHEET PS FAG 1.8)	
1		ANSUL SYSTEM	CAPTIVE AIRE	R-102		<b>-</b>	-			-  -				NOTE: LOW VOLTAGE CONTROL WIRING REGULATED; SEE SHEET (78 FAD 1.6)	
1	_		BY OWNER	N/A	1.0	-	-	120	1 6	50 <b>–</b>	- X	5-15P	55	P THAT, ASMA, DOYCL FURTURE M, CHINGS CYL.	
.1 1		PRINTER SHELF	PKI	PRNTRSHLF	-	_	_		_		-  -	_			
1		TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	342023-03			_		-	-  -	-	_	_	-	_
1	_	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303	_	_	_	_	-	-  -		_	_	-	_
	_	OVEN, FINISHING	EQUIPEX	SEM-80VC-3	18.0	4.5	_	208	3 €	30 -	- X	6-30P	50	SINGLE RECEPTAGLE	-
1		COFFEE MAKER, INSULATED SERVER, AUTOMATIC	FETCO	CBS-2032E	22.2	4.6	_	120/201	1 6	50 -	- X	L14-30F	50	SHOLE RECEPTACLE	_
			PKI	WORK TABLE 36X24		_	_	_	-	-  -	- -	_	Ι-	-	
	$\overline{}$	FREEZER, UNDERCOUNTER	TRUE FOOD SERVICE	TUC-27F-D-2	7.4	_	0.33	115	1 6	50 -	- X	5-15P	5	OFF DUPLEX	
1		FILTER SYSTEM, COFFEE MAKER	EVERPURE	EV9272-00	_	_	<b> </b>	_	<del></del>	-  -	- -	_	<del> </del>	-	_
2 1 3 1		OPEN NUMBER				<del>-</del>	_	_		_  -	=		<b>†</b> –		



THE STANDARD

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

THESE DRAWINGS AND SPECIFICATIONS ARE SISTRUMENTS OF SERVICE AND SHALL REMAIN PROPERTY OF STA

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COMPENSATION TO STA ARCHITECTURAL

GROUP, INC. REPRODUCTION OF DRAWINGS

AND SPECIFICATIONS WITHOUT THE WRITTEN CONCENTS OF STA

ARCHITECTURAL GROUP, INC. IS PROHIBITED.

VERIFYING ALL. SITE CONDITIONS

DRAWN BY

CHECKED BY

R.R.

DATE

07.31.12

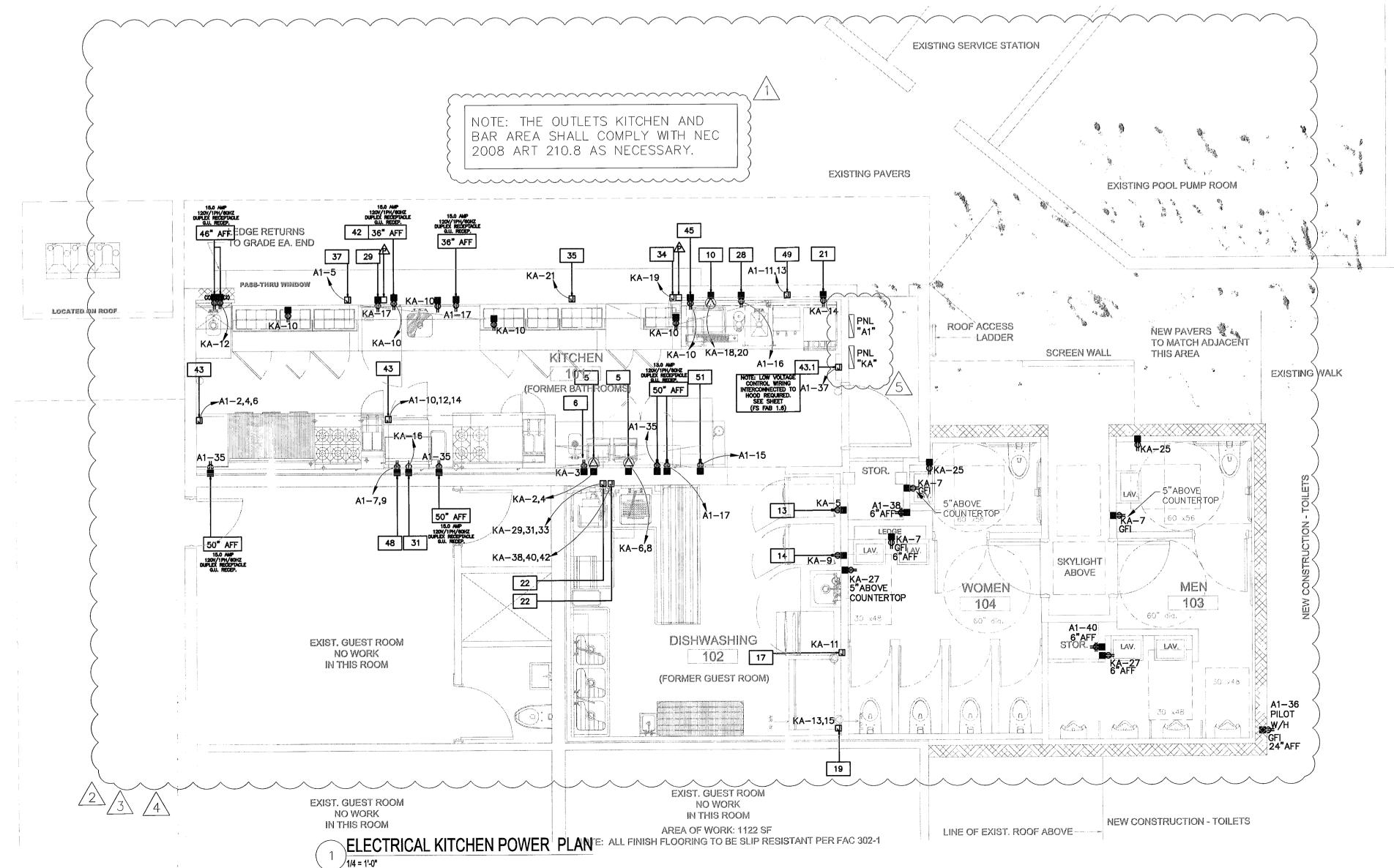
SCALE

1/4" = 1'-0"

JOB NO. 3015

FILE NO.

SHEET.



# | Electrical Legend

	DUDLEY DECEDIACLE
$\sim$	DUPLEX RECEPTACLE
$\Rightarrow$	MOUNTED 10" AFF II O N
$\circ$	MOUNTED 18" AFF U.O.N.

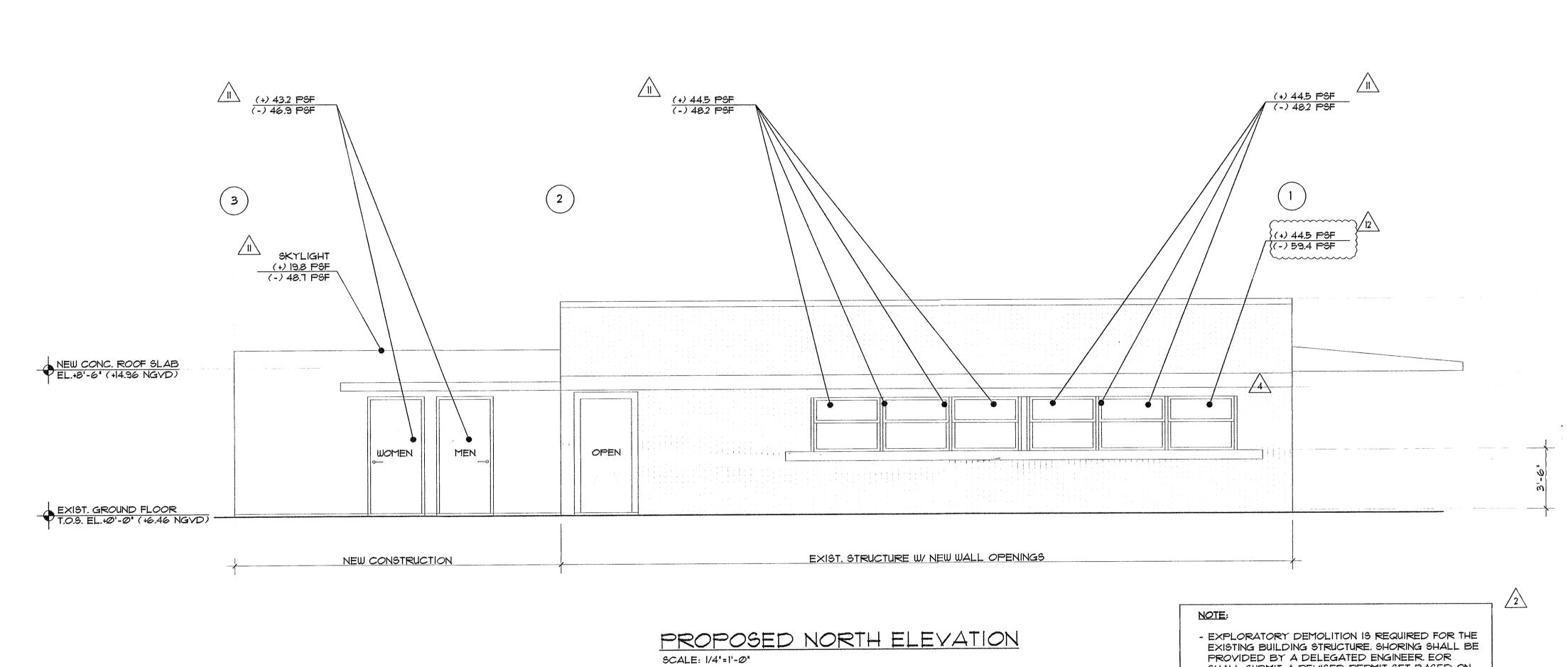
- QUADRUPLE RECEPTACLE MOUNTED 18" AFF U.O.N.
- DEDICATED QUADRUPLE RECEPTACLE MOUNTED 18" AFF U.O.N.
- FLOOR MOUNTED DUPLEX RECEPTACLE
- 220V OUTLET MOUNTED 18" AFF U.O.N. SPECIAL PURPOSE RECEPTACLE
- COORDINATE WITH TENANT
- TELEPHONE BOX WITH 1/2" CONDUIT EXTENDED 6" ABOVE ADJACENT CEILING.
- FACE PLATES JACKS AND CABLING TO BE BY TENANT
- 6" ABOVE ADJACENT CEILING NEASEE: In addition to the requirement of this permit, there may be PRIOR TO PROCEEDING WITH WORK.

  PLATES, JACKS AND CABLING TO BE additional restrictions applicable to this property that may be found in the additional restrictions applicable to this property that may be additional permits.
- Public Records of this County and there may be additional permits TELEPHONE AND DATA BOX WEdured 2 rom other government entities such as water management's
- CONDUIT EXTENDED 6" ABOVE distriction of the systematic of the system of CABLING TO BE BY TENANT results from these plans which are approved subject to compliance with all
- FLOOR MOUNTED TELEPHONE RECEPT, Abelle, and Local Laws, Rules, and Regulations.
- 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 FIRE Prevention Division 6" AFF TO FEED WORKSTATION. PROVIDE FIRE Prevention Division ONE CIRCUIT FOR EVERY TWO WORKSTATIONS APPROVED THEIR OFFICE FURNITURE SYSTEM
- (J)/BV 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
- OFFICE COPY FIRE ALARM PULL STATION CITY OF MIANI BEACH
- APPROVED FOR PERMIT BY
- SINGLE POLE LIGHT SWITCH THE FOLLOWING: 3 WAY LIGHT SWITCH BUILDING:
- LIGHT SWITCH WITH DIMMENING: PLUMBING:
- ONLY NEW TELEPHONE OUTLETS ARE GOT BEICAL PROVIDED WITH EMPTY 1/2" CONFIDENCE SALE 6" ABOVE THE CEILING. EXISTING PARTITIONS ARE TO RECEIVE J-BOXES ONLY INC. PARTITIONS.
- NOTE: ALL ITEMS AND SYSTEMS LARCHEN EXCEPT WHERE SPECIFICALLY STHERWISE WINDICATED OR ASSOCIATED WITH THE FOLLOWING RKS: NOMENCLATURE:
  - DENOTES EXISTING TO REMAIN DENOTES EXISTING TO BE RELOCATED
- TATASTON III-LELL

D//12/13

City of Miami Beach

**STA ARCHITECTURAL GROUP** 3526 NORTH MIAM! AVE. MIAM!, FL 33127 FAX 305.571.1821



PRESSURES

ROOFING PRESSURES

ZONE I

ZONE 2

ZONE 3

ZONE 4

ZONE 5

+19.8 PSF

+19.8 PSF

+19.8 PSF

+44.5 PSF

END ZONE LENGTH a=5'-6"

WALL PRESSURES

-48.7 PSF

-816 PSF

-122.8 PSF

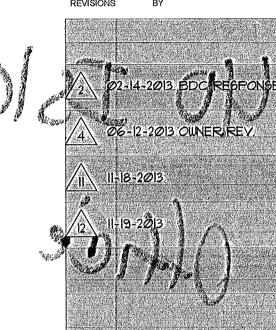
-48.2 PSF

-59.4 PSF

BIZOSOIL ELECTION

THE STANDARD

40 ISLAND AVE MIAMI BEACH, FL 33139



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

COPYRIGHT 2003 ALL RIGHTS RESERVED. THESE DRAWINGS AND SPECIFICATIONS

ARE INSTRUMENTS OF SERVICE AND

T.O. NEW PARAPET EL.+13'-8" (+20.13 NGVD)

EXIST. ROOF @ H.P. EL.+1'-9 1/4' (+14.25 NGVD)

EXIST. GROUND FLOOR T.O.S. EL.+0'-0' (+6.46 NGV

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.

SHALL REMAIN PROPERTY OF STA ARCHITECTURAL GROUP INC. WHETHER THE PROJECT FOR WHICH THEY WERE PREPARED IS EXECUTED OR NOT, THEY ARE NOT TO BE USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO STA ARCHITECTURAL GROUP, INC. REPRODUCTION OF DRAWINGS AND SPECIFICATIONS WITHOUT THE WRITTEN CONCENTS OF STA ARCHITECTURAL GROUP, INC. IS PROHIBITED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SITE CONDITIONS PRIOR TO PROCEEDING WITH WORK.

DRAWN BY DATE 06.27.2011 SCALE AS SHOWN JOB NO. 3015 FILE NO. SHEET

Fax 305.512.5861 E-mail: optimussd@bellsouth.net

OFFICE COPY

OFFICE COPY

OFFICE COPY

THE FOLLOWING:

THE FOLLOWING:

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

OPTIMUS CONSULTING ENGINEERS TANYA HOMLEID PE 7850 NW 146 STREET, SUITE 305 MIAMI LAKES, FLORIDA 33016 Tel. 305.512.5860

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



# **Plan Routing Sheet**

Date 12/2013	Process/Permit Number Re-Submittals Only BREV140500	Historic (Y/N)
	land dor.	
Contact Name	ggalloje a pleuvolo	Telephone GO COW 3-447-012
Re-submit	tals - New Sheets: Yes	☐ No
	OFFICE USE ONLY	
	Required Approvals - As Indicated	
Planning & Zoning		Public Works Structural
Flood Plain Management Flectrical		Plumbing
Elevator		Iditibility
Comments:		
	Reviewer: Access Da	nte: /2/2//>
X  Wal	k Thru Drop O	

40 ISLAND AVE

BAYSIDE GRILL

1 GEN. REV. 02.14.13

2 GEN. REV. 04.05.13

3 GEN. REV. 05.22.13

4 GEN. REV. 09.30.13

5 GEN. REV. 10.30.13

6 AS BUILT 11.27.13

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

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GROUP, INC. REPRODUCTION OF DRAWINGS

AND SPECIFICATIONS WITHOUT THE WRITTEN OF STA OF ST

DATE

07.31.12

SCALE

1/4" = 1'-0"

JOB NO.

FILE NO.

SHEET

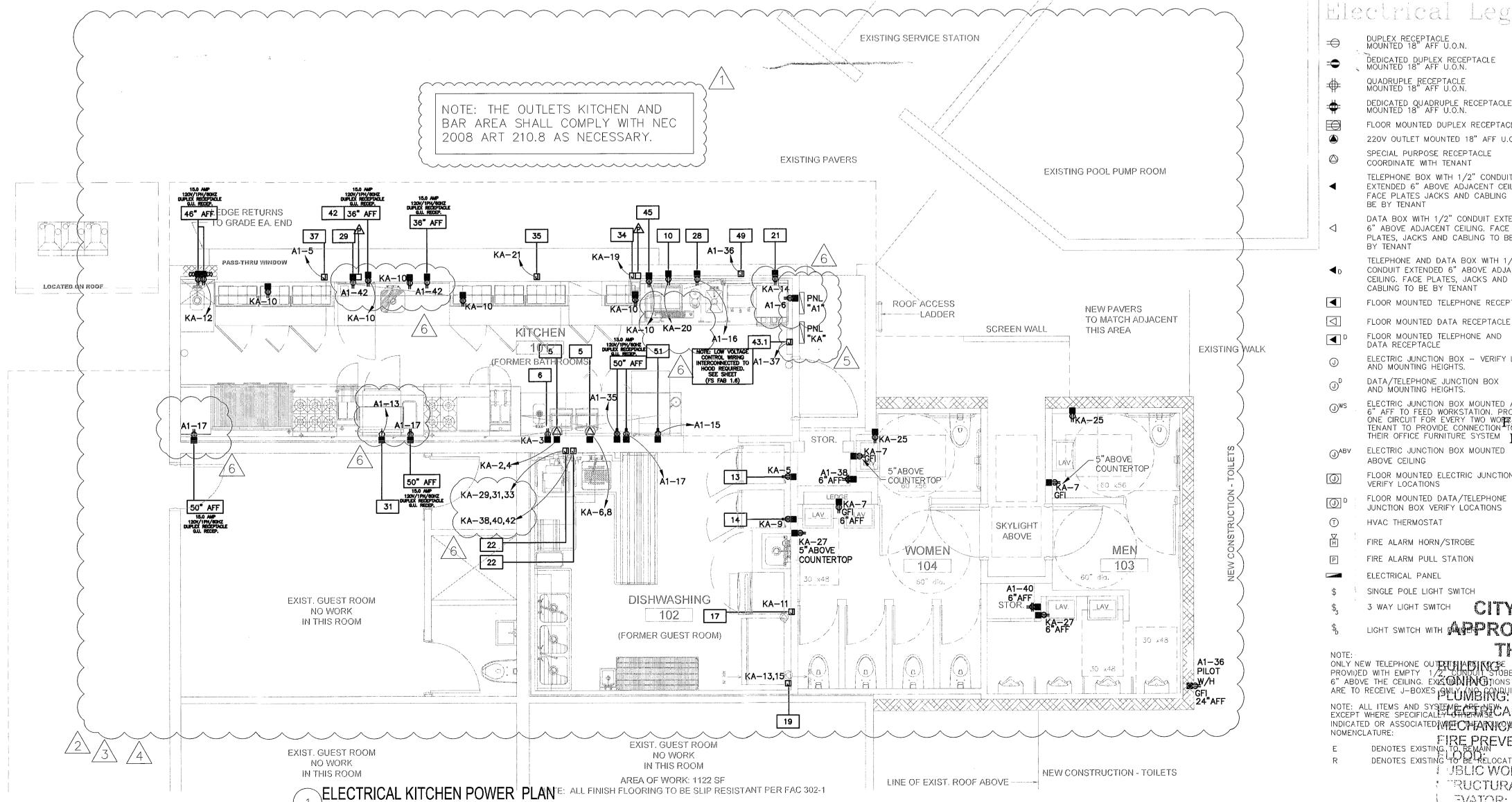
3015

ELECTRICAL

REVISIONS BY

			FIEC	TRICAL S	С	H E	E D	UL	Ε						
									Ī	Т					
													HO (N		
					ဂ္ဂ			2:	S	빚	DIRECT PLUG	≰	[호		
ITEM NO	ОТҮ	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	AMP	ΚW	표	VOLTS	PHASE	CYCLE	밁	NEMA		ELECTRICAL REMARKS	MEA NO
1		BROILER, UNDER-FIRED/GAS	BAKERS PRIDE	EXISTING	_	_	_	- 1	-	=	= =	<b> </b>	<u> </u>	-	<b>—</b>
2	_	RANGE, HEAVY DUTY, GAS	SOUTHBEND	P36D-ΠΒ W/ P12C-B	_	_	-	_	-	-		_	_	-	<u> </u>
3	1	FRYER, DEEP FAT, GAS	PITCO	SG14S	_	-	-	_	_	-	-   -	-	_	-	_
3.1	1	FRYER SHIELD	GOLDENSHTEIN	FS	_	_	_	_	-[	-		_		-	
4	1	RANGE, HEAVY DUTY, GAS	SOUTHBEND	P32D-BBB	-	-	-	<del>-</del>		_	_   _	_			_
5	2	GRIDDLE, DOUBLE-SIDED, ELECTRIC	EQUIPEX	PANINI	12.0	3.0	_	208	_			6-15F		SNGLE RECEPTACLE	_
6	1	REFRIGERATED WORK TABLE, REMOTE	DELFIELD	18WR54R	3.0		0.25	115	1	60	<u> </u>	_	12	BLC RE COM	_
7	1	FRYER, DEEP FAT, GAS	PITCO	SG14S			_		_			_			
8	1	TABLE, WORK, 14 GAUGE, BACK SPLASH W/O UNDERSHELF	PKI	WORK TABLE 30X48				_	-	_	ᆜ			-	
9		TABLE, ENCLOSED BASE, BEVERAGE	ADVANCE TABCO	BEV-30-108R		_		_		_	<u> </u>	_	<u> </u>		
10		2 GROUP ESPRESSO MACHINE	LA SPAZIALE	S5 EK	30.0	3.5		220	1	60	<u> </u>	L6-30	50	INGLE RECEPTACLE	
11	1	TABLE, WORK, 16 GAUGE, BACK SPLASH W/O UNDERSHELF	PKI	WORK TABLE 36X22		-	_	_	_	_	_ _	_		-	
12	1	DISHTABLE, 'L' SHAPE, 14 GAUGE	PKI	SOIILED DISHTABLE	_	1	-	_		-	<u> </u>				
13	1	FREEZER, REACH-IN	TRUE FOOD SERVICE	STG1F-1S	6.8	_	0.33	115				5-15F		OUPLEX RECEPTAGLE	
14	1	REFRIGERATOR, REACH-IN	TRUE FOOD SERVICE	STG1R-1S	4.8	-	0.33	115	1	60	– x	5-15F	12	DUPLEX RECEPTAGLE	
15	1	FILTER SYSTEM, ICEMAKER	EVERPURE	EV9324-22	_	1	_	****	_	_	_ _	_			
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	NC COM	
18	1	BIN, ICE	MANITOWOC ICE	B-570	-		_	-		-		<u> </u>	<u> </u>		
19	1	ICE MAKER W/O BIN	HOSHIZAKI AMERICA	KM-1301SAH	12.4	_		208/230	1	60	x   –	<u> </u>	71	alc Ne com	
20	1	BIN, ICE	HOSHIZAKI AMERICA	B-1300SS	_	_	_	_		_	—				
21	1	STAINLESS STEEL SODA AND ICE DISPENSING TOWER	LANCER	IBD 4500 22"	3.0	_	_	115			_	5-15F		DUPLEX RECEPTAGLE	_
22	1	WAREWASHER, DOOR TYPE, HIGH TEMP	HOBART US FOODSERVICE	AM15VLT-2	24.9	_	_	208-240	_				_	SOW BITC	_
_	_	_	_	_	20.4	_	_	208-240	3	60	x   –		12		
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	-	_	_	_	-	-	-1-	_		F	

			Wester Parameter Total												
			ELEC	TRICAL	S C	H	E D	UL	E						
EM IO	QΤ	Y EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	AMPS	ΚW	НР	VOLTS	PHASE	CYCLE	DIRECT PLUG	NEMA	ROUGH N	ELECTRICAL RIMARKS	MEA NO NO
;	1	SINK, NSF, 3 COMP, 14 GAUGE	PKI	3 COMP SINK	_	-	_	_	-	-		Name of Street	-	-	
	1	SHELVING, PLASTIC, LOUVERED	INTERMETRO INDUSTRIES	MQ2460G		<b>–</b>	_	_	-	-		A /	/		4-
	1	COFFEE GRINDER	N/A	N/A	3.0	0.3	-	120	1	60	- x	5-15	50	DINGEN MEGENDALE	<i>p</i> M-
	1	FREEZER, UNDERCOUNTER, COMPACT	TRUE FOOD SERVICE	TUC-27F-LP	3.2	_	0.25	115	1	60		5-1 <b>5</b> P		explore	
		SHELF, WALL MOUNT	ADVANCE TABCO	WS-18-24	_	T -	-		-1	-	-/-	-/	h		
	1	CABINET, HOLDING/PROOFING	WINSTON INDUSTRIES	HA4507	19.3	2.3	_	120	1	60	2×	-5- <i>2</i> 09	- 50	PORT MESTIVOR	The same of the sa
	1	DISHTABLE, SORTING SHELF	PKI	SORTING SHELF 95		<u> </u>	_	_	=	- 8		F	11-		
,	1	S/S OVERSHELF	DELFIELD	10X84	_	<b> </b>	_		-1	- 1	- -	<b>I</b> -			_
.1	1	S/S OVERSHELF	DELFIELD	10X24.5	_				_	-	_ _	/ -	-	-	_
	1	REFRIGERATOR, SANDWICH/SALAD PREP, REMOTE	DELFIELD	сиѕтом	3.0	_	0.25	115	1	60	x –		12	SE COM	_
1	1	COMPRESSOR	AMERICOLD	N/A	14.8	<b>–</b>	_	115	1	60	x -		*	AB STO, LOCKTON TEO, DAGT REQUIREMENTS TEO	N/A
	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	CUSTOM	5.0	-	0.75	120	1	60	x -	_	12	AB COW	
1	1	COMPRESSOR	AMERICOLD	N/A	12.3	_	_	115	1	60	x –	_		SE STO: LOCKTON TED: DOCT REQUIREMENTS TED	N/A
	1	TABLE, ENCLOSED BASE, HINGE DOORS	PKI	WT31.5X84	-	_		_	-		_ _	_	_	E.C. TO PROMOE/NESSALL OF RECEPTACLES N THELE SHOKESPLASH	
	1	REFRIGERATOR, PIZZA PREP, REMOTE	DELFIELD	сиѕтом	5.0		0.75	120	1	60	x -	_		NB COM	_
1.1	1	COMPRESSOR	AMERICOLD	N/A	12.3	<b> </b>		115	1	60	x -	_	*	ME BTC: LOCATION TED: DOOT REGUIREMENTS TED	N/A
··-	1	DOUBLE OVERSHELF; SOLID SS	сиѕтом	DOS-15X118.5		<del>  -</del>	_	_		_		_	<b> </b>	-	
_	1	SINK, HAND, WALL MOUNT	JOHN BOOS & CO.	PBHS-99-P-SSTD	_	<b> </b>	_	_	-	_	= =	_	-		_
	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303	_	_	_	_	-	_		_	-		
	1	SHELF, WALL MOUNT	ADVANCE TABCO	WS-18-72		<del>  -</del>	-	_		_		_	<del> </del>		
	<u> </u>	POS PRINTER	BY OWNER	N/A	1.0	<del>  _</del>	_	120	1	60	- x	5-15P	36	TO BIC PLUGGED INTO TITLE \$36 G.U. RECOPPICIE	_
	<del>                                     </del>	_	_	_	_	† <u>-</u>	_	_	_	_		_	<del>  -</del>		_
	<del>                                     </del>	_	-	_		<del>  _</del>	-					_	+-		
.1	1	EMS BOX	CAPTIVE AIRE	311110KT	7.0	<b> </b>	_	120	1		x –	_	72	D.ECTRON. REQUIREMENT FOR HOOD CONTROL. NAMEL AND LIGHTS (REC. SHEET FS F2/6 1.6)	
	<u> </u>	ANSUL SYSTEM	CAPTIVE AIRE	R-102	<del>                                     </del>	<del>  _</del>		_					<del>  -</del>	NOTE LOW VOLTAGE CONTROL WIRING REQUIRED, SEE SHEET (FS FAM 1.6)	_
	<u> </u>	POS PRINTER	BY OWNER	N/A	1.0	_		120	1	$\longrightarrow$		5-15P	55	DEDICATED CIRCUIT W/ HOLATED GROUND; CAT B LINE; WENNY EXACT UTILITIES W/ CONNER	
1	1	PRINTER SHELF	PKI	PRNTRSHLF	-	<del> </del>			_	_	_   _	-	+-		
	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	342023-03	_	<del> </del>			_	_	= =		_		
	1	TRASH RECEPTACLE, "SLIM JIM"	CARLISLE	34202303	_	<del> </del>			-	-1	_ _	_	<del>  -</del>		<u> </u>
	1	OVEN, FINISHING	EQUIPEX	SEM-80VC-3	18.0	4.5	_	208	3	60	- x	6-30P	50	SINGLE RECEPTACLE	
	1	COFFEE MAKER, INSULATED SERVER, AUTOMATIC	FETCO	CBS-2032E	22.2		_	120/208	_	$\overline{}$	-		_	BINGLE RECEPTICLE	
	1		PKI	WORK TABLE 36X24		<del>  _</del>	_	-	-	$\overline{}$	<u> </u>	_	-		
	1	FREEZER, UNDERCOUNTER	TRUE FOOD SERVICE	TUC-27F-D-2	7.4	<del>  _ </del>	0.33	115	1	$\rightarrow$	$\rightarrow$	5-15P	5	ON DUPLEX RECEPTAGE	
		FILTER SYSTEM, COFFEE MAKER	EVERPURE	EV9272-00	+	<del> </del>	-		-		<del>- -</del>		+ -		
	╁	OPEN NUMBER				<del>  _</del>			$\vdash$	_	_ _		+-		



# Hectrical Legend

DUPLEX RECEPTACLE MOUNTED 18" AFF U.O.N.

DEDICATED QUADRUPLE RECEPTACLE MOUNTED 18" AFF U.O.N.

FLOOR MOUNTED DUPLEX 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 CABLING TO

DATA BOX WITH 1/2" CONDUIT EXTENDED 6" ABOVE ADJACÉNT CEILING. FACE PLATES, JACKS AND CABLING TO BE

TELEPHONE AND DATA BOX WITH 1/2" CONDUIT EXTENDED 6" ABOVE ADJÁCENT

CABLING 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 (City of Miami Beach 6" AFF TO FEED WORKSTATION. PROVIDE OF MIAMI Beach ONE CIRCUIT FOR EVERY TWO WORKSTATION TO PROVIDE CONNECTION TO PROVIDE CON

THEIR OFFICE FURNITURE SYSTEM PLANS APPROVED JABV ELECTRIC JUNCTION BOX MOUNTED

FLOOR MOUNTED ELECTRIC JUNCTION BOX

VERIFY LOCATIONS

FLOOR MOUNTED DATA/TELEPHONE JUNCTION BOX VERIFY LOCATIONS

ELECTRICAL PANEL SINGLE POLE LIGHT SWITCH

OFFICE COPY CITY OF MIAMI BEACH LIGHT SWITCH WITH MITHROVED FOR PERWIT BY

THE FOLLOWING:

NOTICE: In addition to the

additional restrictions ar

the Public Records of trus

required nonconnect years
districts, state agencies
The City of Miami Beach ass
results from these plans with

The City of Miami Beach asserts asserts and these plans with esults from these plans with all Federal, State, and

NOTE:
ONLY NEW TELEPHONE OUTERS ARE TO BE PROVIDED WITH EMPTY 6" ABOVE THE CEILING. EXISTING HARTTIONS ARE TO RECEIVE J-BOXES PULLY ME CONQUIT NOTE: ALL ITEMS AND SYSTEMS ARE NEW AL INDICATED OR ASSOCIATED METCHEATING MIC

DENOTES EXISTING TO BE RELOCATED 1 JBLIC WORKS

RUCTURAL

LEVATOR:

STA ARCHITECTURAL GROUP

305.571.1811

3526 NORTH MIAMI AVE. MIAMI, FL 33127

FAX 305.571.1821

TYPE SERV VOLT	ICE .	3ø	<u>, 4</u> V		- - <u>P</u>	AN ( se			" <u>K</u> A	MAIN MAINS A.I.C.	5	N	1.C.E	3.	
VOLI	AGE	12	0/2	00		( 32	-0110	211	11' /	A.I.O.	•	10	<i>y</i> , 00	<u> </u>	
K/VOLT AMP	POLE	TRIP	CON	WIRE	REMARKS	CKT. NO.			CKT. NO.	REMARKS	WIRE	CON	TRIP	POLE	K/VOLT AMP
0.50	1	20	1/2"	#12	GENERAL LIGHTS	1			2	GRIDDLE #5	<i>ш</i> 1 2	1/2"	20	2	3.00
0.35	1	20	<del> </del>		REFRIGERATOR #6	3	*	*	4	GRIDDLE #3	#12	1 / 2	20		3.00
0.78	1	20	1/2"	#12	FREEZER #13	5	*	*	6		//1.0	1/2"	20	2	3.00
1.00	1	20	1/2"	#12	RECEP ABOVE COUNTER	7	*	*	8	GRIDDLE #5	#12	1 / 2	20		3.00
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
2.50		50	37 +	#10	TOL MARLIN #19	15	*	*	16	SPACE					
0.37	1	20	1/2"	#12	FREEZER #29	17	*		18	SPACE					
0.35	1	20	1/2"	#12	REFRIGERATOR #34	19	*	*	20	ESPRESSO MACHINE #10	#12	1/2"	20	1	1.50
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"		CORIAN RECEP	27		*	28	EF-1	#10	3/4"	30	3	8.30
						29			30						
						31			32						
8.96	3	30	3/4"	#10	WAREWASHER #22	33	*	*	34	EXISTING ITEM	#12	1/2"	20	3	1.00
						35			36						
						37			38						
8.96	3	30	3/4"	#10	WAREWASHER #22	39	*		40	SPACE					
						41			42						
	I						.1								

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

LYPI SER' VCL	VICE	Ś¢	4		-	PANE ( existing		<b>3</b> :	MAIN BUS MAINS V.C. :			
K/VO T	POL		CON	WRE	REMARKS	CKT. NO.	CKT. NO.	REMARES	WIRE	CON	TRIPPOLE	K/VOLT AMP
42.50			7	#470	EXISTING LOAD	1 3 5	2   4   6	EXISTING STEAM GENERATOR	#250 MCM	2 (2)	2501 3	53.00
60.58	3	250	3"	#300 MCM	PANEL "KA"	7 9 11	8 10 12	LXISTING LOAD	#4/0	2.5"	200 3	42.00
102.58	eretarian restante restante e	18 to distribution of the English State Control	Ten deutsche die Gestelle Gest			ETS OF 4 # 600		549 AMPS. Wn in 4" Each ceni	)U:T.			95.00

PNL "KA"

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

VOLTAGE DROP EQUATION GIVEN BY:

VD = 1.732\*Q\*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\*280/1000VD = 6.34 V

VD% = 6.34/360 = 0.017 = 1.70%

MAXIMUM VOLTAGE DROP TAKEN TO BE 2%

TYPE SER\				1 W		P	V 1 V	<u> </u>	L	<u>"A1</u>	,, MAI	N BUS NS	N	1. C.E	3.	
VOLT	AGE	1	20/	208	_		( SE	ECTI	ON	#2 )	A.I.C	;. : <u> </u>	10	<u>),00</u>	0	
<td>POLE</td> <td>TRIP</td> <td>CON</td> <td>WIRE</td> <td>REMARKS</td> <td></td> <td>CKT. NO.</td> <td></td> <td></td> <td>CKT. NO.</td> <td>REMARKS</td> <td>WIRE</td> <td>CON</td> <td>TRIP</td> <td>POLE</td> <td>K/VOL AMP</td>	POLE	TRIP	CON	WIRE	REMARKS		CKT. NO.			CKT. NO.	REMARKS	WIRE	CON	TRIP	POLE	K/VOL AMP
1.70	2	20	1/2"	#12	COMPRESSOR #34.1		1	*		2	SPACE					
1.41	2	20	1/2"	#12	COMPRESSOR #35.1		3	*		4	SPACE					
0.60	1	20	1/2"	#12	REFRIGERATOR #37		5	*	*	6	GEN OUTLET	#12	1/2"	20	1	1.00
					SPACE		7		*	8	COMPRESSOR #37.1	#12	1/2"	20	1	1.41
					SPACE		9			10	SPACE					
					SPACE		11			12	SPACE					
2.03	1	20	1/2"	#12	WARMER #31		13	*		14	SPACE					
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	ALILI (OLL #0	#10	3/4"	40	2	5.00
5.00	2	40	3 /1'	<i>II</i> 1 O	AHU/CU #1		21			22	AHU/CU #2	#10	3/4	40		0.00
5.00	2	40	3/4	#10	AHO/CO #1		23			24	CU #3	#10	3/4"	40	2	4.29
0.57	2	40	3/4'	#10	AHU #3		25			26	CO #5	# 10		40	_	
0.07		10		#10			27		*	28	UTILITY GFI RECP	#12	1/2"	20	1	1.50
							29		*	30	EXHAUST FAN	#12	1/2"	20	1	0.50
2.50	3	20	1/2	#12	HOOD MAKE-UP		31	*		32	SPACE					
							33			34	SPACE					
					SPACE		35	*	*	36	COFFEE MAKER #49	#12	1/2"	20	1	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
					SPACE		41		*	42	GEN OUTLET	#12	1/2"	20	1	1.16
17.15 <i>-</i> 27.64					TOTAL LOAD :			320	VA	2	31 AMPS.					17.2 - 21.3

KITCHEN EQUIP. (64.96 KVA) @65%: 42,224 VA

A/C @ 100%: 14,860 VA

BALANCE(3.50 KVA) @100%: 3,500 VA

TOTAL DEMAND LOAD: 60,584 VA --- 168 AMPS.

FEEDER: 4 # 300 MCM CU,THWN AND #2 CU GR. IN 3" CONDUIT.

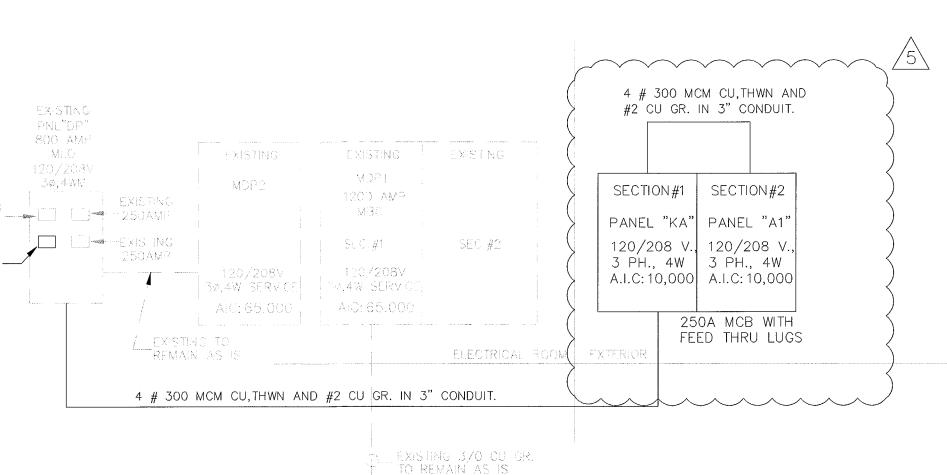
\* - KITCHEN LOADS - ALL KITCHEN OUTLETS SHALL BE AFCI RATED

GROUND WIRE - ---

TIED TO STRUCTURAL

STEEL 'N FOUNDATION.

4 /5



EXISTING

EXISTING

(MIN.)

EXISTING

(MIN.)

EXISTING

S/4"ex10'- 0"L cooper classing ground rods driven in 10 ground

ELECTRICAL RISER DIAGRAM

ELECTRICAL NOTES

THE STANDARD

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. Drawins: 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 bid date. Contractor needs to establish a field liason with project supervisor, prior to commencing work.

4. All required insurance shall be provided for protection against public liability and property damage for duration of the work.
5. It shall not be the intent of these plans and/or specifice

It shall not be the intent of these plans and/or specifica—tions 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 diagrammactically. Exact routing shall be determined in the field, unless otherwise noted.

8. 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.

9. As a minimum, all equipment shall meet applicable standards, for the type of equipment and intended use of the following:

for the type of equipment and intended use, of the following:

a. American National Standards Institute (ASTM).

b. Illuminating Engineers Society (IES).

c. American Society for Testing and Materials (ASTM)

d. 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.

established by UL.

11. As—built drawings shall be furnished to the owner upon

completion of work. Wiring devices to be spec. grade.

3. Where more than one devices is indicated at any location, these shall be ganged under one common cover plate.
4. Contractor shall coordinate with electric and telephone utility for service entrance location and any other require—

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

16. Provide a fuse holder and fuse in the primary side of each ungrounded conductor for all ballasts.

17. 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.

23. Shaow drawings: Coordinate with owner or architect.

24. All wiring to have 600 volt insulation, type TW, THWN, THWN, for branch circuits and type THW, THN for main feeders or as specified.

25. Design is based on copper conductor. Wire size #10 and

smaller type "TW", wire size #8 and larger type "THW" or as specified.

26. Wire ways shall be sized as required, per NEC, unless

26. Wire ways shall be sized as required, per NEC, unless otherwise noted.

7. All feeder, subfeeder and branch circuits shall be properly phase balanced.

8. All conductors shall be in conduits. All conduits shall pivision intermediate (IMC) or rigid galvanized steel (RGS) exception that:

that: (a) poly vinyl chloride (PVC) cond PLANSY A Section ED concrete slabs at underground provided elbows and riser are RGS; (b) electrical metallic tubing (EMT) may be used in or 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 of NEC Chapter.

Apply bitumastic coating to all metallic conduits in slabs or underground.

Electrical contractor shall verify circuit protective devices of NEC Chapter.

Provide fuse recommended by equipment in the conduits in slabs.

Provide fuse recommended by equipment in the chapter of the

conditioning systems as per in the Library recommendations.

Controls are to be supplied by pirraciditioning contractor.

33. Install power and control wiring and required control components for air condition systems as shown/noted and these drawings and per other labblicable drawings/instructions see A/C drawings.

34. Electrical contractor to run control wires/fing HVAC system

Electrical contractor to run control runes from 1700 system as per HVAC drawings.

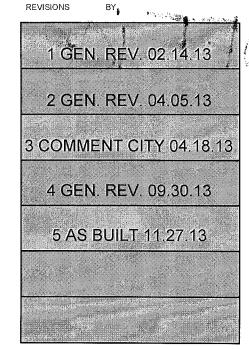
No conduits to be run in ductwork:

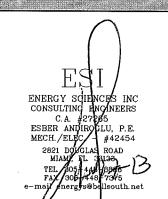
All electrical wiring must be in conduit (horkomex, BX, etc. is permitted unless specific permission is applicationed from

owner, engineering or local inspector OR:

BAYSIDE GRILL ELECTRICAL RISER & DIAGR.

MIAMI BEACH, FL 331

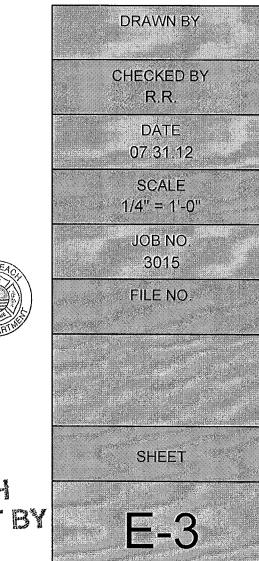




TODD TRAGASH, A.I.A. FLORIDA REGISTRATION NUMBER #11053

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PRIOR TO PROCEEDING WITH WORK.

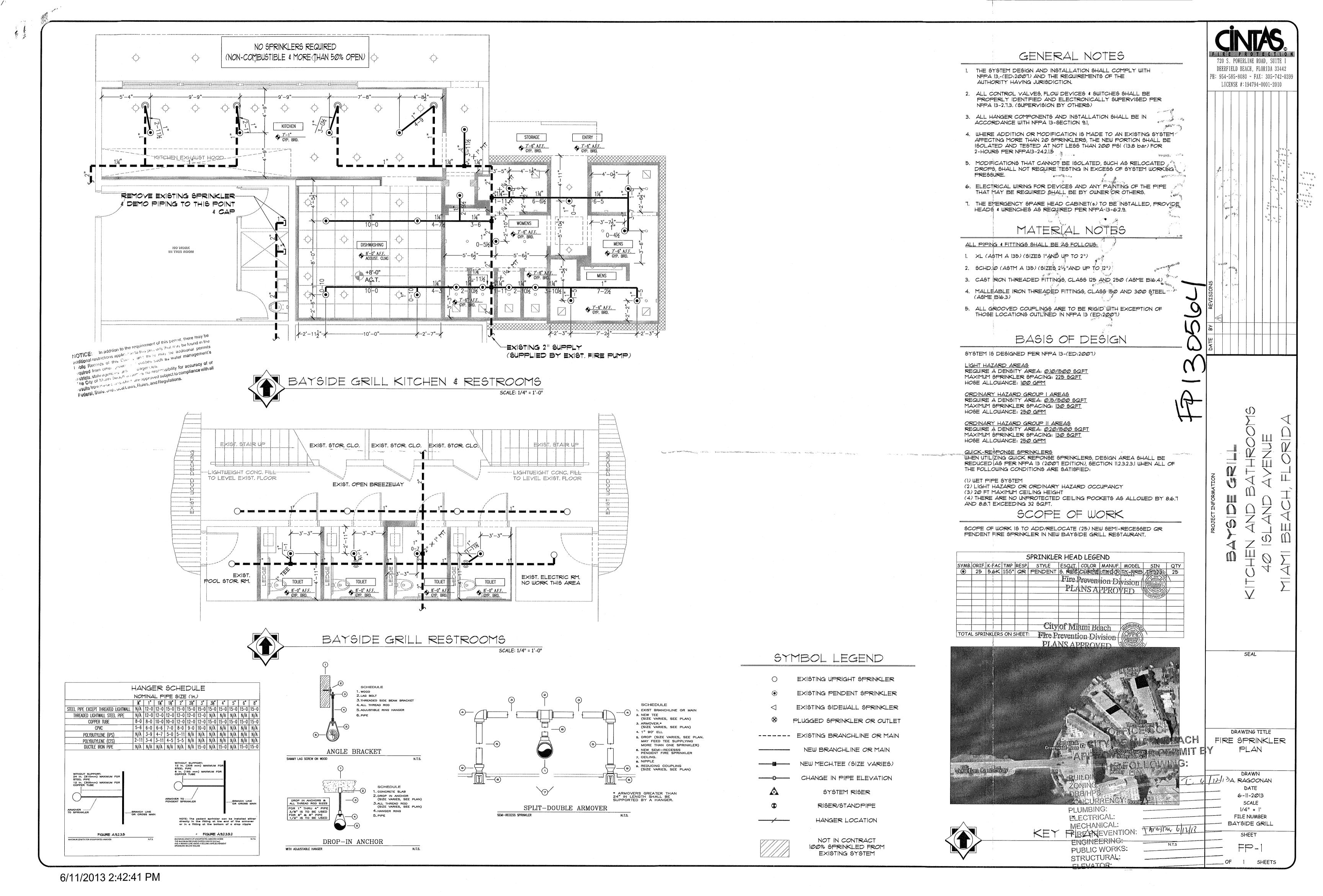




3526 NORTH MIAMI AVE. MIAMI, FL 33127 305.571.1811 FAX 305.571.1821

BIZO5616/ BREVI40500 40 Island Ave. Office Copy

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# **Plan Routing Sheet**

	General Information		
Date	Process/Permit Number Re-Sub	mittals Only	Historic (Y/N)
8 15 13	FP130	71]	
Job Address	ì	•	
1 40 Is	land Au		
Contact Name	E-mail	•	Telephone
Syan Plasenua	carolina. Sancheze	red hawkus	nn 186 20290 78
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List all new sheets:			
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Re	equired Approvals - As Indi	icated	
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Electrical	Mechanical Mechanical	Plumb	ing
Elevator			
Comments:			
	Reviewer:	Date:	9/15/13
	I (CAICAACI.	Date.	<del></del>
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### **SPECIFICATION SHEETS FOR:**

### THE STANDARD HOTEL

40 ISLAND DRIVE MIAMI BEACH, FL 33139

JOB#: 513017-0015

3375 COMMERCE PARKWAY MIRAMAR, FL 33025

PHONE: (954) 791-1313 FAX: (954) 791-0688

LICENSE: EF20001077



NOTIFIER®

August 23, 2004

DN-6936 • H-211

### .FST-85.1 Series Intelligent-Thermal (Heat) Detectors with FlashScan®.

Section: Intelligent/Addressable Devices

### GENERAL

NOTIFIER 851 Series intelligent plug-in smoke detectors with integral communication provide features that surpass conventional detectors. Detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each detector's address to be set with decade address switches, providing exact detector locations for selective maintenance when chamber contamination reaches an unacceptable level. FST Series thermal detectors use an innovative thermistor sensing circuit to produce 135°F/57°C fixed-temperature (FST-851) and rate-of-rise thermal detection (FST-851R) in a lowprofile package. FST-851H provides fixed high-temperature detection at 190°F/88°C. These thermal detectors provide cost effective, intelligent property protection in a variety of applications. FST-851 Series detectors are compatible with all NOTIFIER intelligent Fire Alarm Control Panels (FACPs).

FlashScan® (U.S. Patent 5,539,389) is a communication protocol developed by NOTIFIER Engineering that greatly enhances the speed of communication between analog intelligent devices and certain NOTIFIER systems. Intelligent devices communicate in a grouped fashion. If one of the devices within the group has new information, the panel's CPU stops the group poll and concentrates on single points. The net effect is response speed greater than five times that of earlier designs.

### **FEATURES**

- · Sleek, low-profile, stylish design.
- State-of-the-art thermistor technology for fast response.
- Rate-of-rise model (FST-851R), 15°F (8.3°C) per minute.
- Factory preset at 135°F (57°C); high-temperature model at 190°F (88°C).
- Addressable by device.
- FlashScan® (NFS-640, NFS-3030, AFC-600) and classic CLIP system (AFP-100, AFP-200, AFP-300, AFP-400, AFC-600, NFS-640, AFP1010, AM2020, and NFS-3030) compatible.
- Rotary, decimal addressing (1 99 on current classic systems, 1 - 159 on FlashScan® systems).
- Two-wire SLC connection.
- Visible LEDs "blink" every time the unit is addressed.
- 360°-field viewing angle of the visual alarm indicators (two bicolor LEDs), LEDs blink green in Normal condition and turn on steady red in Alarm.
- Integral communications and built-in device-type identification.
- Remote test feature from the panel.
- Built-in functional test switch activated by external magnet.
- Walk test with address display (an address of 121 will blink the detector LED 12-(pause)-1).
- Low standby current.
- Listed to UL 521.
- · Backward-compatible.
- Built-in tamper-resistant feature.
- Designed for direct-surface or electrical-box mounting.

ture heat 190°F (88°C). Sealed against back pressure.

**S747** 



CS630 (ML255) (FST-851A, FST-851HÁ, FST-851RA)



MEA

383-02-E

California State Fire Marshal 7270-0028:196

**U.S. Coast Guard** 

161.002/23/3 (AFP-200) 161.002/27/3 (AFP1010/AM2020) 161.002/42/1 (NFS-640)

BSMI

CI313066760025



03/60011



### FST-851 in B701LP base

- · Plugs into separate base for ease of installation and maintenance. Separate base allows interchange of photoelectric, ionization and thermal sensors.
- · SEMS screws for wiring of the separate base.
- Constructed of off-white Bayblend®, designed to commercial standards, and offers an attractive appearance.
- 94-5V plastic flammability rating.
- Remote LED output connection to optional RA400Z remote LED annunciator.
- Optional sounder, relay, and isolator bases.
- Optional recessed (RMK400) or surface (SMK400) base mounting kits.

Size: 2.1" (5.3 cm) high x 4.1" (10.4 cm) diameter installed in B501 base, 6.1" (15.5 cm) diameter installed in B710LP base.

Shipping weight: 4.8 oz. (137 g).

Operating temperature range: FST-851, FST-851R: -20°C to 38°C (-4°F to 100°F); FST-851H: -20°C to 66°C (-4°F to

Detector spacing: UL approved for 50 ft. (15.24 m) center to center. FM approved for 25 x 25 ft. (7.62 x 7.62 m) spacing. Relative humidity: 10% - 93% noncondensing.

Thermal ratings: fixed-temperature setpoint 135°F (57°C), rate-of-rise detection 15°F (8.3°C) per minute, high tempera-

NOTIFIER® is a Honeywell company.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact NOTIFIER. Phone: (203) 484-7161 FAX: (203) 484-7118



12 Clintonville Road, Northford, Connecticut 06472

FlashScan® is a registered trademark of NOTIFIER. Bayblend® is a registered trademark of Bayer Corporation.

ENGINEERING & MANUFACTUB OUALITY SYSTEMS ELECTRICAL SPECIFICATIONS:

Voltage range: 15 - 32 volts DC peak.

Standby current (max. avg.): 200 µA @ 24 VDC (without communication); 300 µA @ 24 VDC (one communication every 5 seconds with LED enabled):

LED current (max.): 65 mA @ 24 VDC ("ON").

BASES AVAILABLE:

B710LP: 6.1" (15.5 cm) diameter.

B501: 4.1" (10.4 cm) diameter.

B501BH or B501BHT: Sounder base assembly. Includes B501

**B224RB Relay Base:** *Screw terminals:* up to 14 AWG (2.0 mm²). *Relay type:* Form-C. *Rating:* 2.0 A @ 30 VDC resistive; 0.3 A @ 110 VDC inductive; 1.0 A @ 30 VDC inductive. *Dimensions:* 6.2" (15.748 cm) x 1.2" (3.048 cm).

B224BI Isolator Base: *Dimensions:* 6.2" (15.748 cm) x 1.2" (15.748 cm). *Maximum:* 25 devices between isolator bases. See Note 2 under Installation.

### **APPLICATIONS**

Use thermal detectors for protection of property. For further information, go to **systemsensor.com** for manual I56-407-00, *Applications Manual for System Smoke Detectors*, which provides detailed information on detector spacing, placement, zoning, wiring, and special applications.

### INSTALLATION

The FST Series plug-in intelligent thermal detector uses a separate base to simplify installation, service, and maintenance. Installation instructions are shipped with each detector.

Mount base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep. Suitable boxes include:

- 4.0" (10.16 cm) square box.
- 3.5" (8.89 cm) or 4.0" (10.16 cm) octagonal box.
- · Single-gang box (except relay or isolator base).
- With B501BH or B501BHT base, use a 4.0" (10.16 cm) square box.
- With B224RB or B224BI base, use a 3.5" (8.89 cm) or 4.0" (10.16 cm) octagonal box, or a 4.0" (10.16 cm) square box.

NOTES: 1) Because of the inherent supervision provided by the SLC loop, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring. 2) When using relay or sounder bases, consult data sheet DN-2243 (ISO-X) for device limitations between isolator modules and isolator bases.

### PRODUCT LINE INFORMATION

NOTE: "A" suffix indicates ULC Listed model.

FST-851: Intelligent thermal detector. Must be mounted to one of the bases listed below.

FST-851A: Same as FST-851 but with ULC Listing.

FST-851R: Intelligent thermal detector with rate-of-rise feature.

FST-851RA: Same as FST-851R but with ULC Listing.

FST-851H: Intelligent high-temperature thermal detector. FST-851HA: Same as FST-851H but with ULC Listing. Bases:

B710LPBP: Standard U.S. low-profile base, pkg. of 10.
B710LPA: Standard U.S. low-profile base, ULC Listing.
B501BP: Standard European flangeless base, pkg. of 10.
B501A: Standard European flangeless base, ULC Listing.
B501BH(A): Sounder base, includes B501(A) base above.
B501BHT(A): Same as B501BH(A), but includes temporal sounder

B224RB(A): Intelligent relay base.

B224BI(A): Intelligent isolator base. Isolates SLC from loop shorts.

### Accessories:

F110: Retrofit replacement flange for BX-501 base. Converts BX-501 base for use with FlashScan® detectors.

**RA400Z(A)**: Remote LED annunciator. 3 – 32 VDC. Fits U.S. single-gang electrical box. Supported by B710LP(A) and B501(A) bases only.

**SMK400:** Surface mounting kit provides for entry of surface wiring conduit. For use with B501(A) base only.

RMK400: Recessed mounting kit. For use with B501(A) base only.

SMB600: Surface mounting kit for use with B710LP(A).

BCK-200B: Black detector covers, box of 10.

M02-04-01: Test magnet.

M02-09-00: Test magnet with telescope stick.

**XR2B:** Detector removal tool. Allows installation and/or removal of FlashScan® Series detector heads from base in high ceiling installations.

T55-127-000: Detector removal tool without pole.

XP-4: Extension pole for XR2B. Comes in three 5-ft. sections.

### **Detector Guards:**

NOTE: Some guards listed below may not be applicable to FST Series. STI 9601: Low-profile, flush-mount smoke detector guard, wire.\* STI 9602: Low-profile, surface-mount, smoke detector guard, wire.\*

STI 9609: High-profile, flush-mount, smoke detector guard, wire.\* STI 9605: High-profile, surface-mount, smoke detector guard, wire.\*

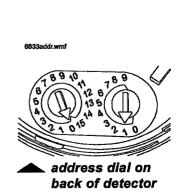
STI 9604: Flush-mount heat detector guard, wire.\*

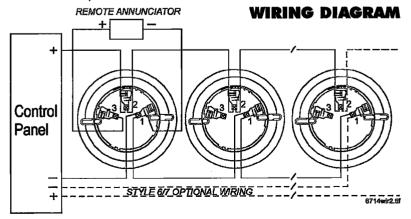
STI 9610: Surface-mount heat detector guard, wire.\*

\*For dimensions and additional information on STI Steel Web Stoppers, see data sheet DN-4936.

**STI-8200-SS:** Flush-mount stainless steel smoke detector guard (compatibility pending).

STI-8230-SS: Surface-mount stainless steel smoke detector guard (compatibility pending).









August 23, 2004

DN-6726 • H-240

# NBG-12LX... Addressable Manual Pull Station :::: with FlashScane

Section: Intelligent/Addressable Devices

#### GENERAL

The NOTIFIER NBG-12LX is a state-of-the-art, dual-action (i.e., requires two motions to activate the station) pull station that includes an addressable interface for any NOTIFIER intelligent control panel. Because the NBG-12LX is addressable, the control panel can display the exact location of the activated manual station. This leads fire personnel quickly to the location of the alarm.

### **FEATURES**

- Maintenance personnel can open station without causing an alarm condition.
- Built-in bicolor LED, which is visible through the handle of the station, flashes in normal operation and latches steady red when in alarm.
- Handle latches in down position and the word "ACTI-VATED" appears to clearly indicate the station has been operated.
- Captive screw terminals wire-ready for easy connection to SLC loop (accepts up to 12 AWG/3.1 mm² wire).
- Semi-flush, mounts to a standard single-gang (2.125" [5.3975 cm] minimum depth), double-gang, or 4" (10.16 cm) square electrical box.
- · Smooth dual-action design.
- · Within ADA 5 lb. pull force.
- · Highly visible.
- · Attractive shape and textured finish.
- · Kev reset.
- · Includes Braille text on station handle.
- · Optional trim ring (BG-TR).
- Meets UL 38, Standard for Manually Actuated Signaling Boxes.
- Up to 99 NBG-12LX stations per loop on classic protocol systems.
- Up to 159 NBG-12LX stations per loop on FlashScan® protocol systems.
- Dual-color LED blinks green to indicate normal on FlashScan® systems.

### CONSTRUCTION

Shell, door, and handle are molded of durable LEXAN® (or polycarbonate equivalent) with a textured finish.

### **OPERATION**

Pushing in, then pulling down on the handle causes it to latch in the down/activated position. Once latched, the word "ACTIVATED" (in bright yellow) appears at the top of the handle, while a portion of the handle protrudes from

FlashScan® is a registered trademark of NOTIFIER. LEXAN® is a registered trademark of GE Plastics, a subsidiary of General Electric Company.

Patented, U.S. Patent No. D428,351; 6,380,846 U.S. Patent Pending: 09/686,286



**U.S. Coast Guard** 

161.002/23/3

(AFP-200)



California State Fire Marshal



**9** 7150-0028:199





93/60141 (E3) 02/6007



## The NBG-12LX Addressable Manual Pull Station

the bottom of the station. To reset the station, simply unlock the station with the key and pull the door open. This action resets the handle; closing the door automatically resets the switch.

Each manual station, on command from the control panel, sends data to the panel representing the state of the manual switch. Two rotary decimal switches allow address settings (1 – 159 on FlashScan® systems, 1 – 99 on CLIP systems).

NOTIFIER® is a Honeywell company.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact NOTIFIER. Phone: (203) 484-7161 FAX: (203) 484-7118



12 Clintonville Road, Northford, Connecticut 06472

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OUT AUTH SYSTEMS

### PRODUCT LINÉ-HNÉ ÓRMATÍON

NBG-12LX Dual-action addressable pull station.

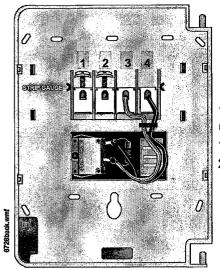
Includes key locking feature.

SB-10 Surface backbox
SB-I/O Intipor/outdoor surface backbox

**BG-TR** Optional trim ring.

### INSTALLATION

The NBG-12LX will mount semi-flush into a single-gang, double-gang, or standard 4" (10.16 cm) square electrical outlet box, or will surface mount to the model SB-10 or SB-I/O surface backbox. If the NBG-12LX is being semi-flush mounted, then the optional trim ring (BG-TR) may be used. The BG-TR is usually needed for semi-flush mounting with 4" (10.16 cm) or double-gang boxes (not with single-gang boxes).



Terminal Connections

1 SLC (-) 2 SLC (+)

### **ELECTRICAL SPECIFICATIONS**

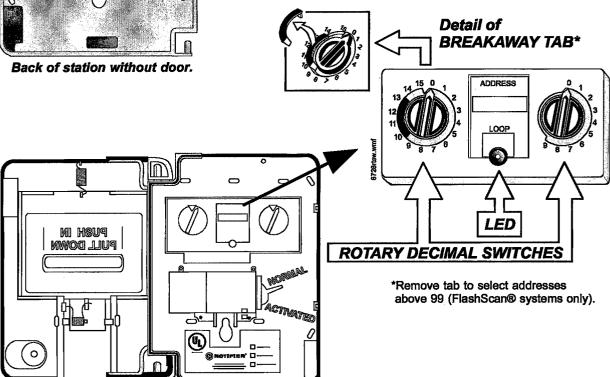
Normal operating voltage: 24 VDC. Maximum SLC loop voltage: 28.0 VDC. Maximum SLC loop current: 375 μA.

### ARCHITECTURAL/ ENGINEERING SPECIFICATIONS

Manual Fire Alarm Stations shall be non-coded, with a key-operated reset lock in order that they may be tested, and so designed that after actual Emergency Operation, they cannot be restored to normal except by use of a key. An operated station shall automatically condition itself so as to be visually detected as activated. Manual stations shall be constructed of red-colored LEXAN® (or polycarbonate equivalent) with clearly visible operating instructions provided on the cover. The word FIRE shall appear on the front of the stations in white letters, 1.00 inches (2.54 cm) or larger. Stations shall be suitable for surface mounting on matching backbox SB-10; or semi-flush mounting on a standard single-gang, double-gang, or 4" (10.16 cm) square electrical box, and shall be installed within the limits defined by the Americans with Disabilities Act (ADA) or per national/local requirements. Manual Stations shall be Underwriters Laboratories listed.

Manual stations shall connect with two wires to one of the control panel SLC loops. The manual station shall, on command from the control panel, send data to the panel representing the state of the manual switch. Manual stations shall provide address setting by use of rotary decimal switches.

The loop poll LED shall be clearly visible through the front of the station. The LED shall flash while in the normal condition, and stay steadily illuminated when in alarm.



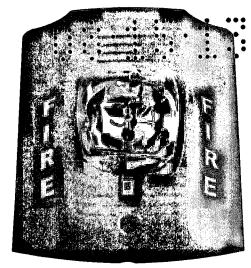
Cover open to show easy access to miniature monitor module, rotary switch, and UL label.





### Selectable Output Horns, Strobes, and Horn/Strobes

SpectrAlert® Advance selectable-output horns, strobes, and horn/strobes are rich with features guaranteed to cut installation times and maximize profits.











**The SpectrAlert Advance series** of notification appliances is designed to simplify installations, with features such as plug in designs, instant feedback messages to ensure correct installation of individual devices, and 11 field-selectable candela settings for wall and ceiling strobes and horn/strobes.

When installing Advance products, first attach a universal mounting plate to a four-inch square, four-inch octagon or double-gang junction box. The two-wire mounting plate attaches to a single-gang junction box.

Next, connect the notification appliance circuit wiring to the SEMS terminals on the mounting plate.

Finally, attach the horn, strobe or horn/strobe to the mounting plate by inserting the product's tabs in the mounting plate's grooves. The device will rotate into position, locking the product's pins into the mounting plate's terminals. The device will temporarily hold in place with a catch until it is secured with a captured mounting screw.

The SpectrAlert Advance series includes outdoor notification appliances. Outdoor strobes and horn/strobes (two wire and four wire) are available for wall or ceiling. Outdoor horns are available for wall only. All System Sensor outdoor products are rated between minus 40 degrees Fahrenheit and 151 degrees Fahrenheit in wet or dry applications.

### **Features**

- Electrically compatible with existing SpectrAlert products
- Automatic selection of 12- or 24-volt operation at 15 and 15/75 candela
- Plug-in design
- Field selectable candela settings on wall and ceiling units: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185
- · Same mounting plate for wall- and ceiling-mount units
- Shorting spring on mounting plate for continuity check before installation
- Tamper resistant construction
- Outdoor wall and ceiling products rated from -40°F to 151°F
- Design allows minimal intrusion into the back box
- Horn rated at 88+ dbA at 16 volts
- Rotary switch for horn tone and three volume selections
- Outdoor products UL listed to UL 1638 (strobe) and UL 464 (horn) outdoor requirements
- Outdoor products rainproof per UL 50 (NEMA 3R)
- Compatible with MDL sync module

### **Agency Listings**









7125-1653:186 (indoor strobes) 7300-1653:187 (outdoor strobes) 7125-1653:188 (horn/strobes, chime/strobes) 7135-1653:189 (horns, chimes)



### **SpectrAlert Advance Specifications**

### Architect/Engineer Specifications 💠

General

SpectrAlert Advance nons, stobes and hom/stobes shall mount to a standard 4 × 4 × 1½-inch back box, 4-inch octagon back box or double-gang back box. Two-wire products shall also mount to a single-gang 2 × 4 × 1½-inch back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, SpectrAlert Advance products, when used with the Sync-Circuit Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync-Circuit Module, 12-volt rated notification appliance circuit outputs shall operate between nine and 17.5 volts; 24-volt rated notification appliance circuit outputs shall operate between 32 and 120 degrees Fahrenheit from a regulated DC, or full-wave rectified, unfiltered power supply. Strobes and horn/strobes shall have field-selectable candela settings including 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185.

#### Strobe

The strobe shall be a System Sensor SpectrAlert Advance Model \_\_\_\_\_\_listed to UL 1971 and shall be approved for fire protective service. The strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

#### Horn/Strobe Combination

The horn/strobe shall be a System Sensor SpectrAlert Advance Model \_\_\_\_\_\_\_ listed to Ul. 1971 and Ul. 464 and shall be approved for fire protective service. The horn/strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have three audibility options and an option to switch between a temporal three-pattern and a non-temporal (continuous) pattern. These options are set by a multiple position switch. On four-wire products, the strobe shall be powered independently of the sounder. The horn on horn/strobe models shall operate on a coded or non-coded power supply.

#### **Outdoor Products**

SpectrAlert Advance outdoor horns, strobes and horn/strobes shall be listed for outdoor use by UL and shall operate between minus 40 degrees and 151 degrees Fahrenheit. The products shall be listed for use with a System Sensor outdoor/weatherproof back box with half inch and three-fourths inch conduit entries.

### **Synchronization Module**

The module shall be a System Sensor Sync-Circuit model MDL listed to UL 464 and shall be approved for fire protective service. The module shall synchronize SpectrAlert strobes at 1Hz and horns at temporal three. Also, while operating the strobes, the module shall silence the horns on horn/strobe models over a single pair of wires. The module shall mount to a  $4^{11}/16 \times 4^{11}/16 \times 2^{11}/16 \times 2^{$ 

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Physical/Electrical Specifications	
Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
K Series Operating Temperature	-40°F to 151°F (-40°C to 66°C)
Humidity Range	10 to 93% non-condensing (indoor products)
Strobe Flash Rate	1 flash per second
Nominal Voltage	Regulated 12DC/FWR or regulated 24DC/FWR <sup>1</sup>
Operating Voltage Range <sup>2</sup>	8 to 17.5 V (12V nominal) or 16 to 33 V (24 nominal)
Input terminal wire gauge	12 to 18 AWG
Ceiling mount dimensions (including lens)	6.8" diameter x 2.5" high (173 mm diameter x 64 mm high)
Wall mount dimensions (including lens)	5.6°L × 4.7°W × 2.5°D (142 mm L × 119 mm W × 64 mm D)
Horn dimensions	5.6°L × 4.7°W × 1.3°D (142 mm L × 119 mm W × 33 mm D)
Wall-mount back box skirt dimensions (BBS-2, BBSW-2)	5.9'L × 5.0'W × 2.2"D (151 mm L × 128 mm W × 56 mm D)
Ceiling-mount back box skirt dimensions (BBSC-2, BBSCW-2)	7.1" diameter x 2.25" high (180 mm diameter x 57 mm high)
Wall-mount weatherproof back box dimensions (SA-WBB)	5.7°L × 5.1°W × 2.0°D (145 mm L × 130 mm W × 51 mm D)
Ceiling-mount weatherproof back box dimensions (SA-WBBC)	7.1" diameter × 2.0" high (180 mm diameter × 51 mm high)

#### Notes:

- 1. Full Wave Rectified (FWR) voltage is a non-regulated, time varying power source that is used on some power supply and panel outputs.
- 2. P, S, PC, and SC products will operate at 12 V nominal only for 15 and 15/75 cd.



### **UL Current Draw Data**

UL Max. Strobe	Current Dra	w (mA R/	MS) 👊		
		8-17.5	Volts	16-33	/oits
	Candela	DC	FWR	DC	FWR
Standard	15*	123	128	66	71
Candela Range	15/75*	142	148	77	81
	30*	NA	NA	94	96
	75*	NA	NA	158	153
	95*	NA	NA	181	176
	110	NA	NA	202	195
	115	NA	NA	210	205
High	135	NA	NA	228	207
Candela Range	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

UL Max. Houn Cu	rrant Draw (m	gr the keep	Mark Brown		4.4
		8 17.5	Vots •	16-33	Volts
Sound Pattern	dB •••	Ъc	FWR	DC	FWR
Temporal	High	57	55	69	75
Temporal	Medium	44	49	58	69
Temporal	Low	38	44	44	48
Non-temporal	High	57	56	69	75
Non-temporal	Medium	42	50	60	69
Non-temporal	Low	41	44	50	50
Coded	High	57	55	69	75
Coded	Medium	44	51	56	69
Coded	Low	40	46	52	50

	8-17.5 V	olts/	16-33 V	olts					
DC Input	15	15/75	15	15/75	30	75	95	110	115
Temporal High	137	147	79	90	107	176	194	212	218
Temporal Medium	132	144	69	80	97	157	182	201	210
Temporal Low	132	143	66	77	93	154	179	198	207
Non-temporal High	141	152	91	100	116	176	201	221	229
Non-temporal Medium	133	145	75	85	102	163	187	207	216
Non-temporal Low	131	144	68	79	96	156	182	201	210
FWR Input									
Temporal High	136	155	88	97	112	168	190	210	218
Temporal Medium	129	152	78	88	103	160	184	202	206
Temporal Low	129	151	76	86	101	160	184	194	201
Non-temporal High	142	161	103	112	126	181	203	221	229
Non-temporal Medium	134	155	85	95	110	166	189	208	216
Non-temporal Low	132	154	80	90	105	161	184	202	211

	16-33 V	olts_				16-33 Volts						
DC Input	135	150	177	185	FWR Input	135	150	177	185			
Temporal High	245	259	290	297	Temporal High	215	231	258	265			
Temporal Medium	235	253	288	297	Temporal Medium	209	224	250	258			
Temporal Low	232	251	282	292	Temporal Low	207	221	248	256			
Non-temporal High	255	270	303	309	Non-temporal High	233	248	275	281			
Non-temporal Medium	242	259	293	299	Non-temporal Medium	219	232	262	267			
Non-temporal Low	238	254	291	295	Non-temporal Low	214	229	256	262			

### **Candela Derating**

For K series products used at low temperatures, listed candela ratings must be reduced in accordance with this table.

Strobe Output (cd)					
Listed Candela	Candela rating at -40°F				
15					
15/75	Do not use below 32°F				
30					
75	44				
95	70				
110	110				
115	115				
135	135				
150	150				
177	177				
185	185				

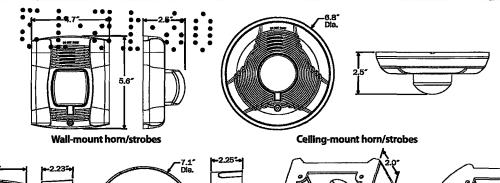
### **Horn Tones and Sound Output Data**

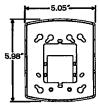
			8-17.5 Volts		16-33 Volts		24 Volt Nominal			
Switch							Reverberant		Anechoic	
Position	<b>Sound Pattern</b>	dB	DC	FWR	DC	FWR	DC	FWR	DC	FWR
1	Temporal	High	78	78	84	84	88	88	99	98
2	Temporal	Medium	74	74	80	80	86	86	96	96
3	Temporal	Low	71	73	76	76	83	80	94	89
4	Non-temporal	High	82	82	88	88	93	92	100	100
5	Non-temporal	Medium	78	78	85	85	90	90	98	98
6	Non-temporal	Low	75	75	81	81	88	84	96	92
7 <sup>†</sup>	Coded	High	82	82	88	88	93	92	101	101
8 <sup>†</sup>	Coded	Medium	78	78	85	85	90	90	97	98
9†	Coded	Low	75	75	81	81	88	85	96	92

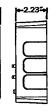
<sup>†</sup>Settings 7, 8, and 9 are not available on 2-wire horn/strobe.

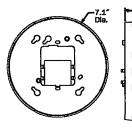


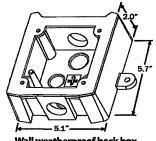
### **SpectrAlert Advance Dimensions**

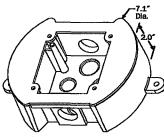












Wall back box skirt

Ceiling back box skirt

Wall weatherproof back box

Ceiling weatherproof back box

### **SpectrAlert Advance Ordering Information**

<del>op dear.</del>					
Model	Description				
Wall Horn/Strobes					
P2R*†	2-wire Horn/Strobe, Standard cd‡, Red				
P2RH*	2-wire Horn/Strobe, High cd, Red				
P2RK*	2-wire Horn/Strobe, Standard cd, Red, Outdoor				
P2RHK*	2-wire Horn/Strobe, High cd, Red, Outdoor				
P2W*	2-wire Horn/Strobe, Standard cd, White				
P2WH*	2-wire Horn/Strobe, High cd, White				
P4R*	4-wire Horn/Strobe, Standard cd, Red				
P4RH*	4-wire Horn/Strobe, High cd, Red				
P4RK	4-wire Horn/Strobe, Standard cd, Red, Outdoor				
P4RHK	4-wire Horn/Strobe, High cd, Red, Outdoor				
P4W*	4-wire Horn/Strobe, Standard cd, White				
P4WH*	4-wire Horn/Strobe, High cd, White				
Wall Strobes	<b>S</b>				
SR*†	Strobe, Standard cd, Red				
SRH*†	Strobe, High cd, Red				
SRK	Strobe, Standard cd, Red, Outdoor				
SRHK	Strobe, High cd, Red, Outdoor				
SW*	Strobe, Standard cd, White				
SWH*	Strobe, High cd, White				
Ceiling Horn/Strobes					
PC2R*	2-wire Horn/Strobe, Standard cd, Red				
PC2RH*	2-wire Horn/Strobe, High cd, Red				
PC2RK	2-wire Horn/Strobe, Standard cd, Red, Outdoor				
PC2RHK	2-wire Horn/Strobe, High cd, Red, Outdoor				

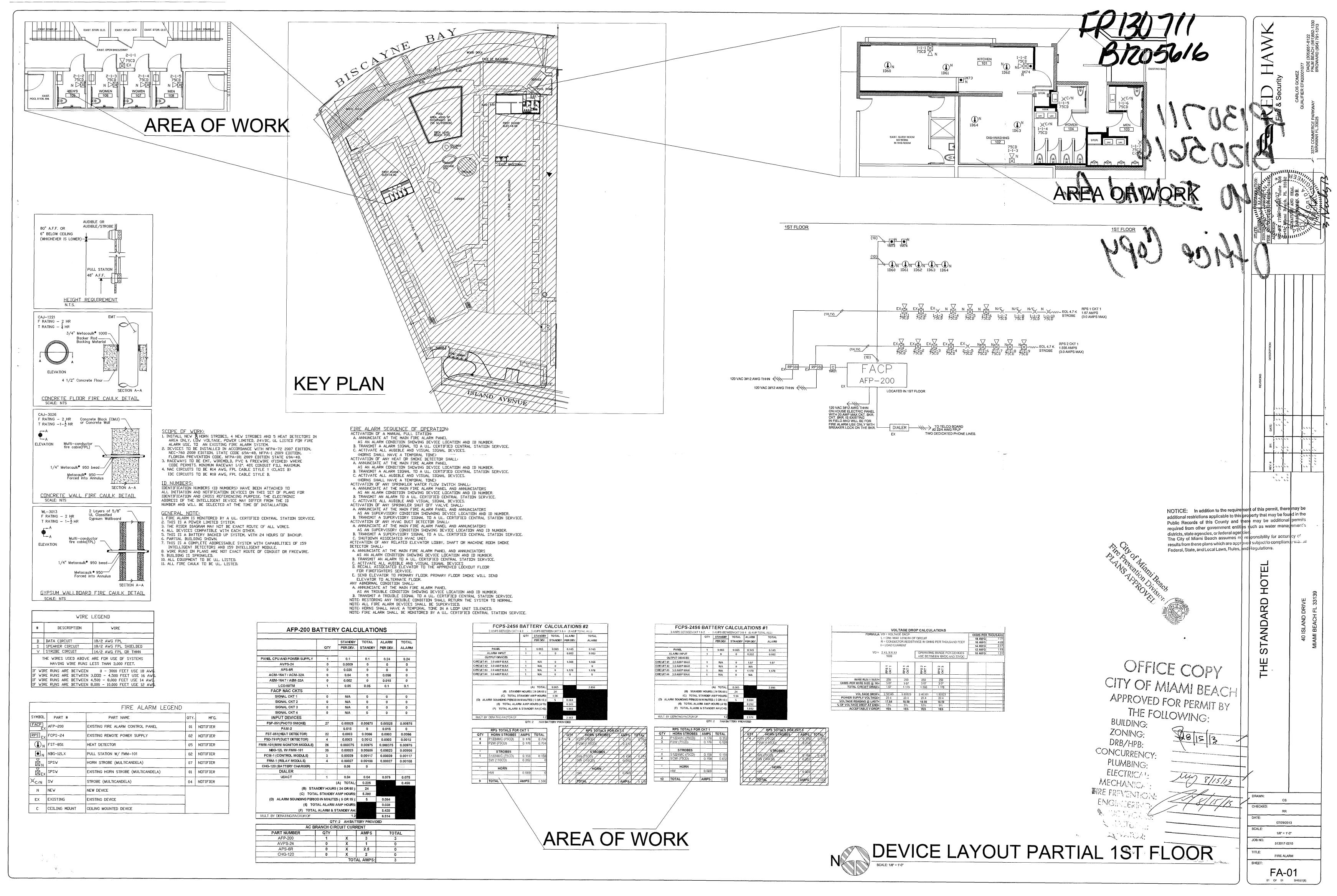
Model	Description ************************************		
Ceiling Horn/Strobes (cont'd.)			
PC2W*†	2-wire Horn/Strobe, Standard cd, White		
PC2WH*†	2-wire Horn/Strobe, High cd, White		
PC4R	4-wire Horn/Strobe, Standard cd, Red		
PC4RH	4-wire Horn/Strobe, High cd, Red		
PC4RK	4-wire Horn/Strobe, Standard cd, Red, Outdoor		
PC4RHK	4-wire Horn/Strobe, High cd, Red, Outdoor		
PC4W	4-wire Horn/Strobe, Standard cd, White		
PC4WH	4-wire Horn/Strobe, High cd, White		
Ceiling Strob	es		
SCR*	Strobe, Standard cd, Red		
SCRH*	Strobe, High cd, Red		
SCRK	Strobe, Standard cd, Red, Outdoor		
SCRHK	Strobe, High cd, Red, Outdoor		
SCW*†	Strobe, Standard cd, White		
SCWH*†	Strobe, High cd, White		
Horns			
HR	Horn, Red		
HRK	Horn, Red, Outdoor		
HW	Horn, White		
Accessories			
BBS-2	Back Box Skirt, Wall, Red		
BBSW-2	Back Box Skirt, Wall, White		
BBSC-2	Back Box Skirt, Ceiling, Red		
BBSCW-2	Back Box Skirt, Ceiling, White		

### Notes:

- \* Add "-P" to model number for plain housing (no "FIRE" marking on cover), e.g., P2R-P
- † Add "-SP" to model number for "FUEGO" marking on cover, e.g., P2R-SP
- \*"Standard cd," refers to strobes that include 15, 15/75, 30, 75, 95, 110, and 115 candela settings. "High cd," refers to strobes that include 135, 150, 177, and 185

All outdoor units ending in "K" include a weatherproof back box.





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