

Exhibit 5

Drawings are not to scale. All Pipe Lengths & Limitations Shall Be Installed in Accordance with the ANSUL R-102 Installation Manual
Systems Shall Be Installed in Compliance with NFPA 96, 17A, UL 300 & All Local Fire Regulations
Gas & Electric Appliances Will Shut Down with Actuation of System
Manual Pull Stations Will Be Located By Exit
Test Fire To Be Performed for Governing Authorities
Fusible Heat Detectors Located in Duct Openings & Over Appliances
There Are To Be No Low Points or Traps Present In the Discharge Piping
Maximum Discharge Pipe Volume Limitations Shall Not Be Exceeded
Maximum Flow Points for a Given Point Shall Not Be Exceeded



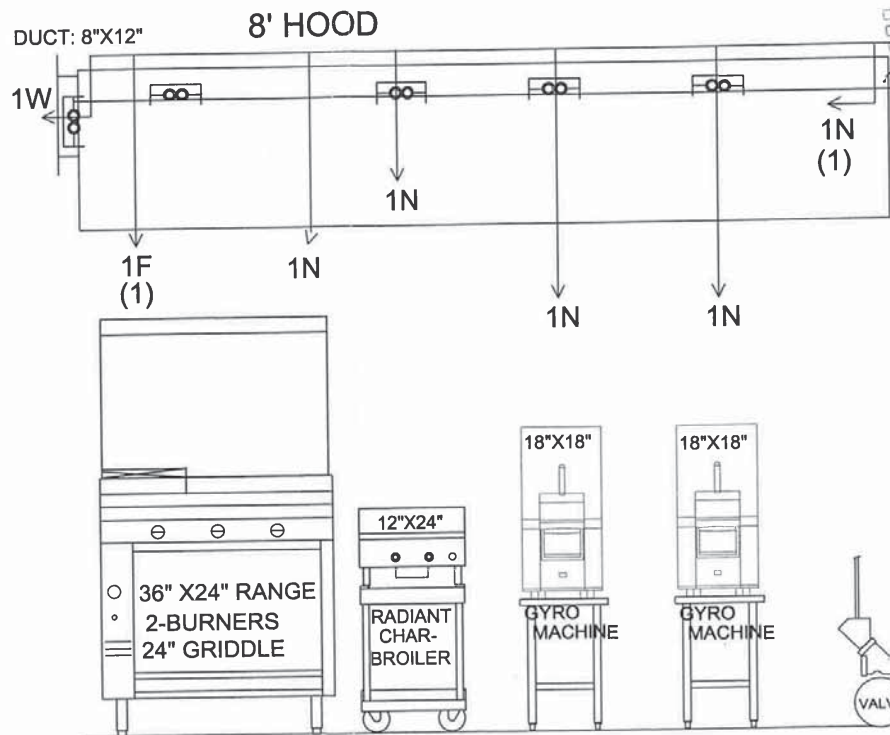
REMOTE PULL STATION

NOTE:
MANUAL REMOTE
PULL STATION
LOCATED AT POINT
OF EGRESS

MANUAL ACTUATION DEVICE SHALL BE LOCATED AT OR NEAR A MEANS OF EGRESS FROM THE COOKING AREA, A MINIMUM OF 10 FEET AND A MAXIMUM OF 20 FEET FROM THE KITCHEN EXHAUST HOOD & LOCATED 42"-48" AFF.

REQUIREMENTS	SUPPLY LINE	DUCT BRANCH LINE	PLENUM BRANCH LINE	APPLIANCE BRANCH LINE
PIPE SIZE	3/8"	3/8"	3/8"	3/8"
MAXIMUM LENGTH	40, 40, 32 & 40 ft	8ft.	4ft.	12ft.
MAXIMUM RISE	6ft.	4ft.	2ft.	2ft.
MAXIMUM 90° ELBOW	9, 9.8 & 9	4	2	6
MAXIMUM TEES	1, 1.2 & 1	2	2	4
MAXIMUM FLOW NUMBERS	5, 11, 22, 33	4	2	4

1. LOCAL ALARM BELL SHALL ACTIVATE
2. ALL ELECTRIC TO EQUIPMENT UNDER HOOD SHALL SHUT OFF
3. EXHAUST FAN SHALL REMAIN RUNNING AND MAKE UP AIR FAN SHALL SHUT OFF.



OFF

GOVERNMENT OF THE DISTRICT OF COLUMBIA
LICENSING & PERMITTING
Fire Protection Division

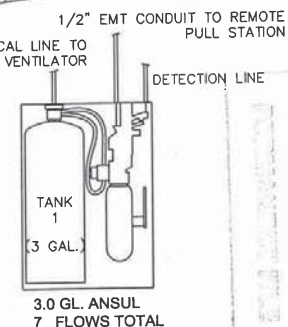
APPROVED FOR NOTED. FINAL
INSPECTION. SUBMIT

FAN SHALL SHUT OFF.

THE FIRE FIGHTER SHALL
NOTIFICATION OF THE
SEPARATE PROCEEDINGS

☐ Fire Alarm System
☐ Sprinkler System
☐ Standby Power System
☐ Hazardous Waste Disposal System(s)
☐ Fuel Storage Tank(s)
☐ Gas Supply Piped
☐ Elevator System
☐ Other

Signature  1/2" EMT CONDUIT TO REMOTE
PULL STATION



Anthony W. Dupuis
NICET IV #77346
 Expires 03/01/2019

Expires 03/31/2014

Quincy W. Co.

ANSUL-NOZZLE-CHART					
NOZZLE TYPE	NOZZLE PART #	NOZZLE FLOW #	HAZARDS	MAXIMUM PROX REQUIREMENTS	NOZZLE HEIGHTS
1W/2W	419336/337	1-2	DUCT	50"/100" PERIMETER	CENTER
1N	419335	1	PLENUM	10'-LENGTH	END
1N	419335	1	RADIANT CHARGEBROILER	864-SQ"	15'-40"
1F	419333	1	RANGE W/ SHELF	336-50"x28"	40'-48"
1N	419335	1	GRIDDLE	1080-SQ"	35'-40"
1N	419335	1	VERTICAL BROILER/GYRO	1080-SQ"	35'-40"

GUARDIAN FIRE PROTECTION SERVICES
7668 STANDISH PLACE
ROCKVILLE, MARYLAND 20855
TELEPHONE: 301-840-7100

JOB No.	937595	ANSUL R-102 3 GALLON FIRE SUPPRESSION SYSTEM	SHEET No.
DATE	06/05/12	24 SEVEN REST	1
DESIGNER	GFPS, LLC	1501 U STREET N.W.	OF
SCALE	NTS	WASHINGTON DC 20009	1

Washington, D.C., March 15, 2013

Receipt No.- 13-57966

Furnished to: KAREN MARTINO

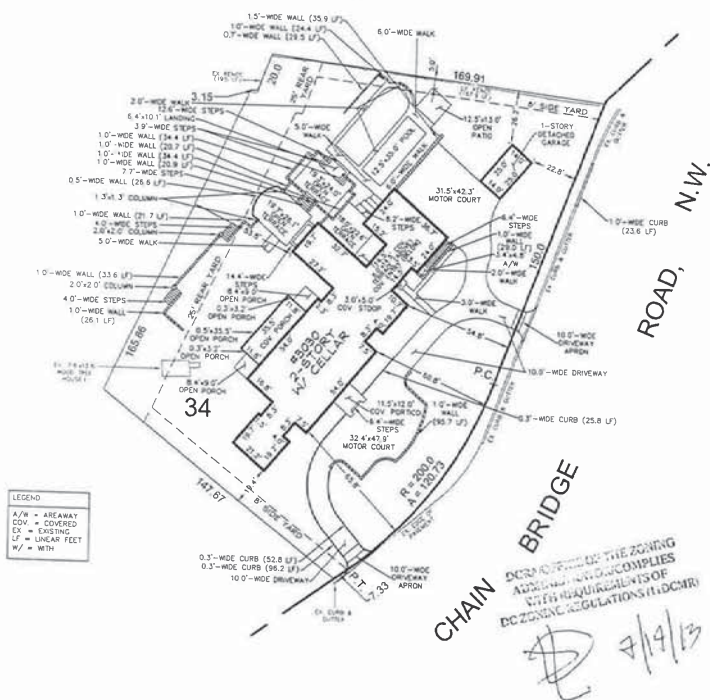
By: A.S. Br

[illegible]

Date: 7/13/2013

(Signature of owner or his authorized agent)

NOTE: Data shown for Assessment and Taxation Lots or Parcels are in accordance with the records of the Department of Finance and Revenue, Assessment Administration, and do not necessarily agree with deed description.



GENERAL NOTES

1. THE WORK CONSISTS OF THE FURNISHING OF ALL LABOR, MATERIAL, EQUIPMENT, SERVICE, SUPERVISION AND PROTECTING ALL WORK CALLED FOR IN THE COMPLETION OF THE REHABILITATION OF 2000 15TH STREET, NW, INCLUDING SITE IMPROVEMENTS AS SET FORTH IN THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, PAVING, AND FINISHES SPECIFICATIONS AND THE ACCOMPANYING PARTITION SPECIFICATIONS BOOK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING THE ATTACHED DRAWINGS AND THE SCOPE OF WORK AS BEING INTEGRATED INTERDEPENDENT DOCUMENTS.

TRADE PERMITS AND SCHEDULING ALL INSPECTIONS INCLUDING FINAL OCCUPANCY AS REQUIRED BY THE D.C. DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS (DCRA) WASHINGTON GAS COMPANY, BELL ATLANTIC AND OTHER AFFECTED UTILITY COMPANIES.

3. ALL CHARGES, CONTRIBUTIONS, COSTS AND OTHER MEANS OF REMBURSEMENT ASSOCIATED WITH THE INSTALLATION AND SERVICE BY LOCAL AUTHORITIES AND UTILITY COMPANIES SHALL BE INCLUDED IN THE CONTRACTORS BASE BID AND FINAL CONTRACT PRICE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COST OF ALL UTILITIES USED IN THE PERFORMANCE OF THE WORK.

4. ALL WORK SHALL BE DONE IN A LEGAL MANNER. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE CODES, REGULATIONS AND LAWS OF THE D.C. DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS (DCRA). WHEN THE DRAWINGS OR SPECIFICATIONS OBTAIN ANY PARTICULAR AREA GOVERNED BY THE CODES, THOSE CODES SHALL BE USED AS BEING THE MINIMUM IN CASES WHERE THE DRAWINGS OR SCOPE OF WORK INDICATE LESSER REQUIREMENTS.

5. THESE NOTES ARE GENERAL IN NATURE AND APPLY TO THE ENTIRE BUILDING WHETHER OR NOT SPECIFICALLY NOTED OR REFERENCED ON EACH FLOOR. THE DRAWINGS INDICATE ONLY THE GENERAL EXTENT OF DEMOLITION WORK AND MAY NOT INCLUDE ALL DEMOLITION WHICH WILL BE REQUIRED FOR NEW CONSTRUCTION. FIELD VERIFY ALL.

6. THE CONTRACTOR SHALL FURNISH TO THE OWNER ALL WARRANTIES AND BONDS OF AFFIDAVIT FROM SUPPLIERS AND MANUFACTURERS ON THE NEW ROOF, ALL MECHANICAL EQUIPMENT, APPLIANCES AND OTHER ITEMS AS MAY BE REQUESTED IN THE BODY OF THE SCOPE OF WORK. THE CONTRACTOR SHALL ALSO FURNISH TO THE OWNER A 3-RING LOOSE LEAF NOTEBOOK OF ALL OPERATING AND MAINTENANCE MANUALS OF ANY AND ALL EQUIPMENT PROVIDED AND INSTALLED UNDER THIS CONTRACT.

7. DIMENSIONS SHOWN IN NOMINAL SIZES ARE FOR THE PURPOSE OF DESCRIBING THE CONSTRUCTION AND ARE NOT TO BE TAKEN AS THE ACTUAL SIZE OF THE COMPONENT.

8. TRADES: INSTALL ALL MANUFACTURED ITEMS IN STRICT ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE PLUMBING, MECHANICAL, ELECTRICAL AND BUILDING SECURITY SYSTEMS FULLY OPERATIONAL. PROVIDE LIGHTING FIXTURES, ELECTRICAL OUTLETS AND SWITCHES, AND PLUMBING AS SHOWN ON THE DRAWINGS OR AS IS NECESSARY TO PROVIDE A COMPLETE INSTALLATION FOR THE INTENDED OCCUPANCY.

10. D.C. NOT SCALE THE DRAWINGS: WHERE DIMENSIONS BETWEEN SHALL AND DETAIL DRAWINGS DIFFER, DETAIL DIMENSIONS SHALL GOVERN.

11. BEFORE BEGINNING WORK AT THE SITE WHERE POSSIBLE, AND THROUGHOUT THE COURSE OF THE WORK, INSPECT AND VERIFY THE LOCATION AND CONDITION OF EVERY ITEM AFFECTED BY THE WORK UNDER THIS CONTRACT AND REPORT DISCREPANCIES TO ARCHITECT BEFORE WORKING RELATED TO THAT BEING INSPECTED.

12. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THE CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING EXISTING MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO A PART OF THE CONTRACT. INSPECT THOSE AREAS AND ASCERTAIN WORK NEEDED, AND DO THAT WORK IN ACCORD WITH THE CONTRACT REQUIREMENTS. ANY ADDITIONAL COST, TRADE PRODUCT OR MANUFACTURERS NAMES OR CATALOG NUMBERS SHOWN ON THE DRAWINGS OR NEW PRODUCTS ARE TO BE APPROVED EQUAL TRADE PRODUCT OR MANUFACTURERS NAMES OR CATALOG NUMBERS AND INDICATIONS OF PRODUCT TYPES, SUCH AS GLASS FIBER INSULATION SHOWN ON THE DRAWINGS FOR EXISTING PRODUCTS ARE BELIEVED TO BE ACCURATE. IF THEY ARE DISCOVERED INACCURATE, NOTIFY ARCHITECT IMMEDIATELY AND DO NOT PROCEED WITHOUT INSTRUCTIONS. DETERMINE LOCATION OF PARTITIONS NOT DIMENSIONED BY THEIR RELATION TO COLUMN FACE OR CENTER, WINDOW JAMB OR MILLION OR OTHER SIMILAR FIXED ITEM.

13. THE WORK WILL REQUIRE ALL NEW INTERIOR FINISHES INCLUDING VINYL COMPOSITION TILE, SHEET VINYL TILE AND CARPETING.

14. ALL FLOOR AREAS MUST BE MADE LEVEL.

15. INTERIOR SURFACES OF ALL EXTERIOR WALLS SHALL RECEIVE NEW FINISHING WITH BATT INSULATION. PROVIDE NEW MOULD BASES THROUGHOUT.

16. DOORS SHALL CONSIST OF NEW FINISHING HOLLOW CORE METAL PANEL DOORS AND FRAMES AT ALL DOORS OPENING ONTO EXTERIOR. ALL WINDOWS SHALL BE REPLACED WITH DOUBLE HUNG DOUBLE GLAZED THERMAL BREAK WINDOWS WITH SILENCERS.

17. THE BUILDING SHALL RECEIVE ALL NEW GAS PIPING HEATING AND ELECTRICAL COOLING SYSTEMS VENTILATION AND PLUMBING SUPPLY DRAINAGE AND ELECTRICAL POWER AND WIRING SYSTEMS THROUGHOUT AS DETAILED IN THE ACCOMPANYING DRAWINGS.

PROPOSAL OF 2000 15TH STREET, NW, WASHINGTON, DC.

ABBREVIATION LIST

ABV	ABOVE	GD.	GARBAGE DISPOSAL	S OR SO.	SOUTH
AFCI	ABOVE FINISH FLOOR	HD.	HANDICAPPED	SN.	SWITCH
APP.	APPROXIMATE	HGT.	HEIGHT	SD.	STORM DRAIN
BKR	BREAKER	HORIZ.	HORIZONTAL	SEC.	SEDIMENT AND EROSION CONTROL
BLDG.	BUILDING	ID	INSIDE DIAMETER	SP.	SANITARY SEWER
CAB	CABINET	ID.	IDENTIFICATION	SS	SPACE
CLG	CLOSET	INV.	INVERT	SP	TO BE DETERMINED
CLO.	COLUMN	LEN.	LENGTH	TBD	TELEPHONE THROUGH
COL.	CONCRETE	LT, LTG	LIGHTING	THRU.	TYPICAL
CORR.	CORRIDOR	MECH.	MECHANICAL	TYP.	VOLT
DN.	DOWN	MET.	METAL	VERT.	VERTICAL
DWG.	DRAWING	MTD.	MOUNTED, MOUNTING	UTIL.	UTILITY
E	EAST	MIN.	MINIMUM	N	WEST
ELE.	ELEVATION	N. OR NO.	NORTH	KP	WEATHER PROOF
EM.	EMERGENCY	NIC.	NOT TO SCALE	KH	WATER HEATER
EQUIP.	EQUIPMENT	NDL	NOT IN CONTRACT		
EX. OR EXIT.	EXISTING	PNL	PANEL		
FA	FIRE ALARM	PWR.	POWER		
FR.	FRAME	P.V.C.	POLY VINYL-CHLORIDE PIPE		
FT.	FEET	R.	RADIUS		
FURN.	FURNACE	REINF.	REINFORCED		
G, GND	GROUND	RM.	ROOM		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RNG.	RANGE		

CODE REFERENCE

APPLICABLE CODES

BUILDING: 2006 ICC INTERNATIONAL BUILDING CODE (IBC)
4 DCNR 12A-2005 BUILDING CODE SUPPLEMENT
2006 ICC INTERNATIONAL EXISTING BUILDING CODE (IEBC)
4 DCNR 12J-2005 EXISTING BUILDING CODE SUPPLEMENT
MECHANICAL: 2006 ICC INTERNATIONAL MECHANICAL CODE (IMC)
4 DCNR 12B-2005 MECHANICAL CODE SUPPLEMENT
PLUMBING: 2006 ICC INTERNATIONAL PLUMBING CODE (IPC)
4 DCNR 12F-2005 PLUMBING CODE SUPPLEMENT
ELECTRICAL: 2006 ICC INTERNATIONAL ELECTRICAL CODE (NEC) 2005
4 DCNR 12C-2005 ELECTRICAL CODE SUPPLEMENT
FIRE: 2006 ICC INTERNATIONAL FIRE CODE (IFC)
4 DCNR 12H-2005 FIRE CODE SUPPLEMENT
ENERGY: 2006 ICC INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
4 DCNR 12I-2005 ENERGY CONSERVATION CODE SUPPLEMENT
FUEL GAS: 2006 ICC INTERNATIONAL FUEL GAS CODE (IFGC)
4 DCNR 12J-2005 FUEL GAS CODE SUPPLEMENT
ACCESSIBILITY: 2006 ICC INTERNATIONAL BUILDING CODE (IBC) CHAPTER 11 (ANSI A117.1)
2006 4 DCNR 12A-2005 SUPPLEMENT/CHAPTER 11A
BUILDING FIRE SAFETY: 2006 ICC INTERNATIONAL BUILDING CODE (IBC) CHAPTER 10 (ANSI A117.1)



VICINITY MAP SCALE: 0 1000 2000 FT.

GRAPHIC SYMBOLS

	DETAIL NUMBER		PARTITION TYPE
	WALL SECTION		WINDOW TYPE
	SHEET WHERE DETAIL APPEARS		DOOR NUMBER
	BUILDING SECTION		REVISION NUMBER
	DETAIL MARK		NEW WALL
	INTERIOR ELEVATION		WALL TO BE REMOVED
	SHEET WHERE DETAIL APPEARS		

MATERIAL SYMBOLS

	BATH		METAL
	CONCRETE MASONRY UNIT		ROUGH LUMBER
	BRICK		FINISHED WOOD
	POURED CONCRETE		POLYWOOD (LARGE SCALE)
	GRAVEL FILL		POLYWOOD (SMALL SCALE)
	HACKLE		RIGID INSULATION
	SAND PLASTER		BATT INSULATION
	DRYWALL WALL BOARD		

INDEX OF DRAWINGS

CS-1	COVER SHEET
A-1	EXISTING FLOOR PLANS
A-2	DETAILS AND SPECIFICATIONS
M-1	MECHANICAL NOTES AND DETAILS
M-2	MECHANICAL PLANS
M-3	SPECIFICATIONS
P-1	PLUMBING NOTES AND DETAILS
P-2	PLUMBING PLANS
P-3	RISK DIAGRAMS AND SPECIFICATIONS
E-1	ELECTRICAL NOTES, RISK DIAGRAM
E-2	ELECTRICAL PLANS

GOVERNMENT OF THE DISTRICT OF COLUMBIA
D. C. CARTER
OFFICE OF THE ARCHITECT

THIS PROJECT IS THE PROPERTY OF THE DISTRICT OF COLUMBIA
IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS
ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE ARCHITECT

☐ File Approval
☐ Design Review
☐ Construction Review
☐ Final Review
☐ Construction Review
☐ Final Review
☐ Construction Review
☐ Final Review

Signature: *[Signature]* Date: *10/1/12*

DRAWN BY: *[Signature]*

APPROVED BY: *[Signature]*

REVISION
NO. DATE DESCRIPTION

NO. DATE DESCRIPTION

CODE ANALYSIS

ZONING
FAR

LOT OCCUPANCY
LOT
SQUARE
HEIGHT RESTRICTION
SIDE YARD
SIZE OF LOT

BUILDING INFORMATION:

BUILDING DESCRIPTION: COMMERCIAL

JURISDICTION: WASHINGTON, DC

SQUARE FOOTAGE: 10,000

BASEMENT: 1F

FIRST FLOOR: 1F

HEIGHT OF BUILDING: 10 FT

USE GROUP: 1

CONSTRUCTION TYPE: 1

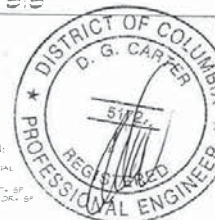
DWELLING SEPARATION WALLS: 2 HIRE

NOOT LINE LOAD: 100 PSF AND 117 PSF FOR DEAD LOAD

SLEEPING ROOM ROOF AND 100 PSF FOR DEAD LOAD

WIND LOAD: 20 PSF SNOW LOAD: 20 PSF PLUS DRIFTING OR

50 PSF EQUIVALENT UNIFORM LOAD WHICH IS GREATER



2626 TUNLAW RD., #304
WASHINGTON, DC 20007
TEL: 202 336 6074
FAX: 202 333 5301

PROJECT TITLE

2000
15TH STREET, NW,
WASHINGTON, DC.

PROJECT NUMBER

PROJECT STATUS

FINAL

DATE SUBMIT

SHEET TITLE

COVER SHEET

DRAWN BY

APPROVED BY

REVISION

NO. DATE DESCRIPTION

NO. DATE DESCRIPTION

NO. DATE DESCRIPTION

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ARCHITECTURAL
DESIGN
GRAPHICS

2626 TUNLAW RD., #304
WASHINGTON, DC. 20007
TEL: 202 338 8074
FAX: 202 333 5301

PROJECT TITLE

2000
15TH STREET, NW.
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PROJECT NUMBER

PROJECT STATUS

SHEET TITLE

PROPOSED
FLOOR PLANS

DRAWN BY

APPROVED BY

REVISION

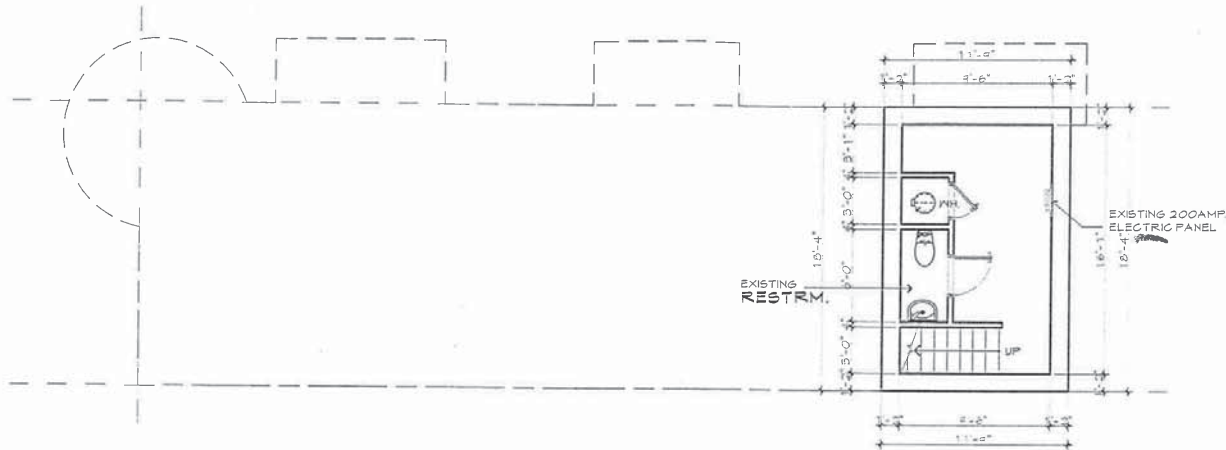
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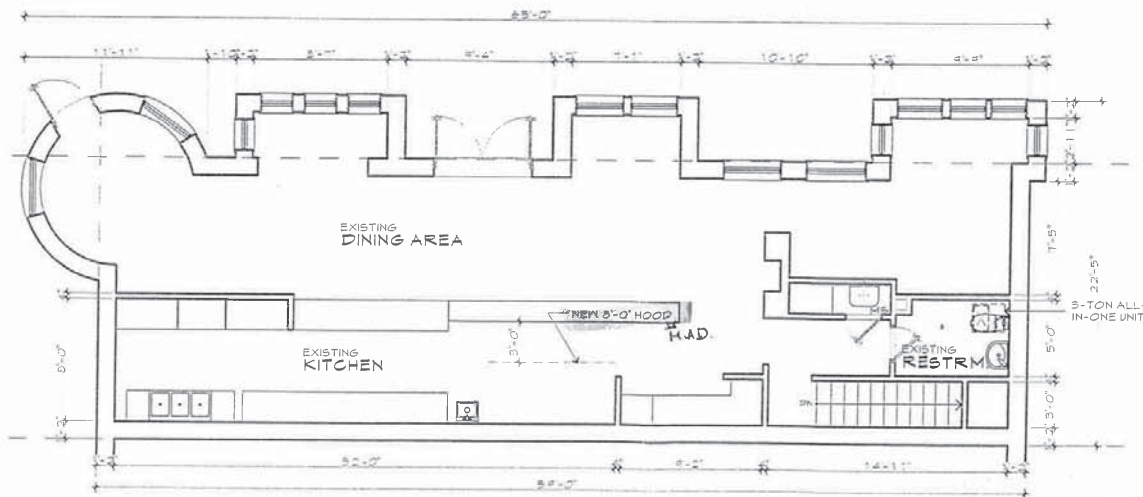
SCALE: 1/8" = 1'-0"

A-1

DATE APRIL 23, 2012



BASEMENT PLAN
SCALE: 1/8" = 1'-0"

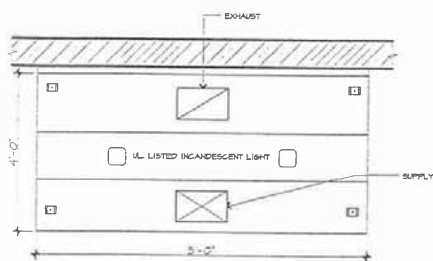


FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

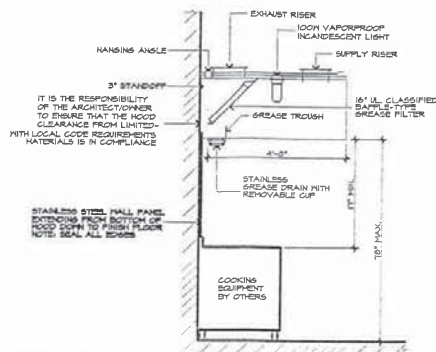


MAY 25 2012

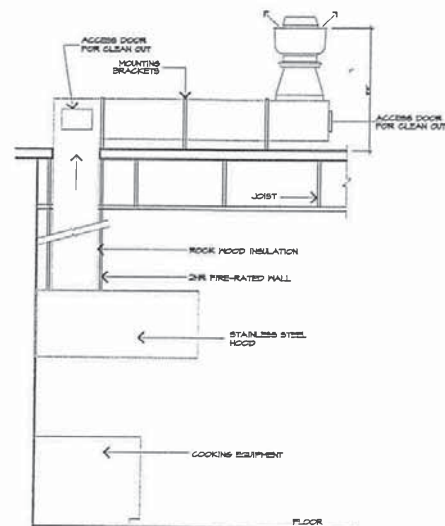
RESTAURANT HOOD
MAKE: CAPTIVE AIRE
HOOD MODEL 4824ND-2-PSP-F



HOOD PLAN
NOT TO SCALE



HOOD SECTION
NOT TO SCALE



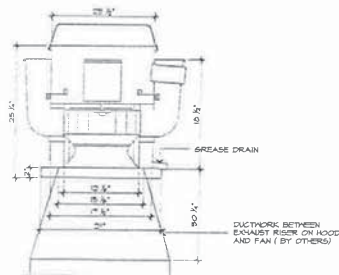
EXHAUST FAN DETAIL
NOT TO SCALE

MODEL	LENGTH	MAX COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLAN					TOTAL SUP. CFM	SUPPLY PLAN					HOOD CONSTRUCTION	HOOD CONFIG.	
				RISER(S)						RISER(S)						END TO END	ROW
				WIDTH	LENG.	DIA.	CFM	S.F.		WIDTH	LENG.	DIA.	CFM	S.F.			
4000AB 2-PHASE	6' 0.00'	700 Deg.	1600	16"	16"	1600	-0.128"	1280						450 66 100%	ALONE	ALONE	

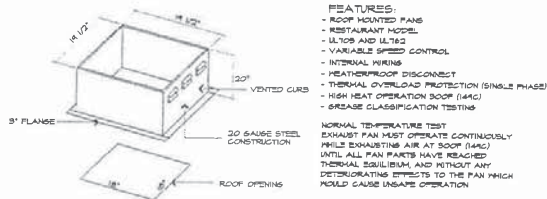
FILTER(S)				LIGHT(S)			UTILITY CABINET(S)						PUMP SYSTEM PIPING	HOOD HANDLING HEIGHT
TYPE	QTY.	HEIGHT	LENGTH	QTY.	TYPE	HIRE GUARD	PIRE SYSTEM		ELECTRICAL		SWITCHES			
							TYPE	SIZE	MODEL #	QUANTITY	LOCATION			
				4	Incandescent Light Fix.									
						NO							820 LBS	

	OPTION					
	FIELD WRAPPER	6.00'	High	Front,	Left,	Right
	BACKSLASH	30.00'	High	* 96.00'	Long	430 SS

POS.	LENGTH	WIDTH	HEIGHT	RISER(S)			
				WIDTH	LENGTH	DIA.	S.P.
Front	86"	12"	6"	10"	16"	840	0.280"
				10"	16"	840	0.280"



EXHAUST FAN (UL762)
NOT TO SCALE



CURB DETAIL
NOT TO SCALE

- FEATURES:
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- U.709 AND U.762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION SOOP (144C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT SOOP (144C). UNTIL ALL PAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION

PAN UNIT NO.	PAN UNIT MODEL #	MODEL	TAG	CPM	S.F.	RFM	K.F.	Ø	VOLT	PLA	DISCHARGE VELOCITY	WEIGHT (LBS.)
1	BI 18CARM	BI 18CARM		1600	1,000	1502	1,000	8	300	8.8	141 FPM	220.20

PAN UNIT NO.	PAN UNIT MODEL #	SLOPER	HOUSING	TAG	CPM	S.F.	RPM	H.P.	#	VOLT	FLA	HEIGHT (INS.)
2	A1-220-610	610	A1-220		1280	0.600	223	0.750	5	308	2.1	30.5
3	A1-610	610	A1		1280	0.600	171	0.750	3	308	2.1	30.5

PAN UNIT NO.	OPTION (Qty - Descr.)
1	1 - Utility Set - Spring Vibration Isolation - B12 Thru B18 / Equivalent Sized Utility set Indoor/outdoor use.
	1 - Exhaust Fan Grease Cup (Utility Set)
2	1 - AC Interlock Relay - 24 VAC Coil

PAN UNIT NO.	ON PAN	ITEM	SIZE
2		Curb	21,000' L X 71,000' L X 20,000' H Insulated

FAN UNIT NO	KW'S	VOLTS	AMPERAGE	TEMP. RISE	OUTPUT
1	20	208	33.3	45 deg F	60260



ARCHITECTURAL
DESIGN
GRAPHICS

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PROJECT TITLE

2000
15TH STREET, NW.
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PROJECT NUMBER

PROJECT STATUS

SHEET TITLE

DETAILS AND SPECIFICATIONS

DRAWN BY

APPROVED BY

REVISION

NO.	DATE	DESCRIPTION
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SCALE 1/8" = 1'-0"

A-2

DATE: APRIL 23 2012

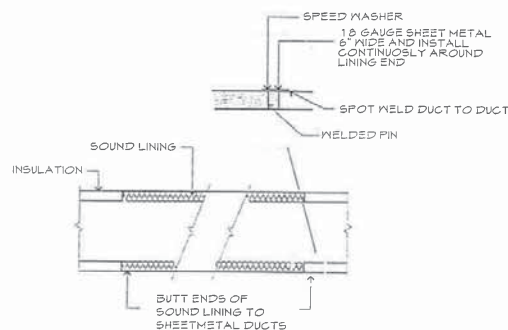
FURNISH ALL LABOR, MATERIALS, FIXTURES, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPERLY FUNCTIONING H.V.A.C. SYSTEM, PLUMBING SYSTEM, AND ELECTRICAL SYSTEM.

ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS, CONSIDERED AS MINIMUM REQUIREMENTS.

APPLY FOR AND PAY FOR ALL PERMITS AND CONNECTION FEES REQUIRED FOR THE WORK.

THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK TO BE DONE AND SHALL EXAMINE THE SITE AND CONSIDER THE CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE IN THE PERFORMANCE OF THE CONTRACTED WORK. NO ALLOWED CHANGES SHALL BE MADE SUBSEQUENTLY IN THIS CONNECTION, FOR ANY ERRORS THROUGH NEGLIGENCE ON HIS PART. THE CONTRACTOR IS HEREBY ADVISED THAT HE WILL BE REQUIRED TO OBSERVE ALL RECOMMENDED PRACTICES FOR FIRE AND SAFETY PRECAUTIONS FOR THE PROTECTION OF THE FACILITY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS AND CLARIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO STARTING OF WORK.

→ RETURN AIR	☒ SUPPLY DUCT
AFF ABOVE FINISH FLOOR	☑ RETURN DUCT
CR CEILING REGISTER	→ WALL SUPPLY REGISTER
⊙ EXHAUST FAN	⊙ THERMOSTAT
BS BIRD SCREEN	UC UNDERCUT DOOR
HWR HIGH WALL REGISTER	GPM CUBIC FEET PER MINUTE
LWR LOW WALL REGISTER	
HRAR HIGH RETURN AIR REGISTER	
LRAR LOW RETURN AIR REGISTER	AIR COOLED CONDENSING UNIT



RADIUS ELBOW

FULL RADIUS WHERE POSSIBLE

DIVERGING FLOW

CONTRACTION FLOW

DOUBLE THICKNESS TURNING VANES (SEE TURNING VANES DETAIL)

RECTANGULAR ELBOW

Diagram illustrating the components and assembly of a roof-mounted air conditioning unit. The components shown include:

- MOUNTING BRACKETS ADJUSTABLE CEILING
- 1/2" ROUND THREADED SUPPORT RODS FROM STRUCTURE ABOVE (TYPICAL OF 4)
- 1/2" ACOUSTIC LINING
- FAN HOUSING
- FORWARD CURVED FAN WHEEL
- BACKDRAFT DAMPER
- DISCHARGE OUTLET (HORIZONTAL CONFIGURATION SHOWN, VERTICAL CONFIGURATION IF AS USED WHERE INDICATED ON FLANGS OR SCHEDULE)
- DUCT WORK
- FLEXIBLE CONNECTION
- GALVANIZED STEEL HOUSING
- EXPANDED ALUMINUM MESH GRILLE (REMOVABLE FOR MOTOR IF AIR WHEEL ACCESS BY MANUFACTURER)

NOTES:

- 1) FANS SHALL BEAR THE AMCA SEAL FOR MANUFACTURER'S WALL OR ROOF CAP AS SPECIFIED ON SCHEDULE.
- 2) UNIT SHALL HAVE FACTORY MOUNTED AIR & SOUND PERFORMANCE.
- 3) FAN SHALL BE SUPPLIED WITH TERMINAL BOX.

METAL HANGER BOLTED TO STRUCTURE ABOVE

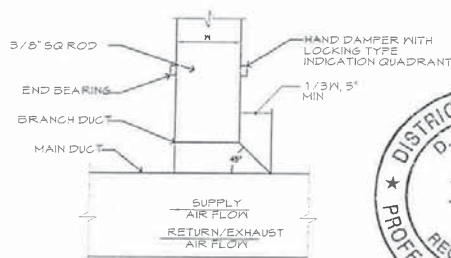
DUCT

SHEET METAL SCREEN (TYP.)

This diagram shows a cross-section of a duct assembly. A vertical line represents the duct, which is connected to a horizontal structure above it. The connection is labeled 'METAL HANGER BOLTED TO STRUCTURE ABOVE'. The duct itself is labeled 'DUCT'. A rectangular box, representing a sheet metal screen, is attached to the side of the duct and is labeled 'SHEET METAL SCREEN (TYP.)'. The screen has an 'X' inside it, indicating its mesh-like structure.

NOTES:

1. ALL DUCTWORK AND EQUIPMENT SUPPORT TO BUILDING STRUCTURE SHALL COMPLY WITH THE LATEST EDITION OF THE SMACNA STANDARDS FOR UPPER ATTACHMENT DEVICES.
2. CONTRACTOR SHALL COORDINATE TYPE HANGERS AND ANCHORING SYSTEM WITH THE BUILDING STRUCTURE.



NOTE:
FURNISH THIS TYPE CONNECTION WHEN SINGLE LINE DUCTWORK IS BRANCHED FROM MAIN LINE DUCTWORK WITH LESS THAN 25% OF THE TOTAL AIR FLOW FOR SUPPLY DUCTWORK.

ARCHITECTURAL
DESIGN
GRAPHICS

2626 TUNLAW RD., #304
WASHINGTON, DC. 20007
TEL: 202 338 8074
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PROJECT TITLE

2000
15TH STREET, NW.
WASHINGTON, DC.

PROJECT NUMBER

PROJECT STATUS

SHEET TITLE

MECHANICAL
NOTES

DRAWN BY

APPROVED BY _____

REVISION		
NO.	DATE	DESCRIPTION

SCALE

M-1

DATE: APRIL 23, 2012

DATE: APRIL 23, 2012



ARCHITECTURAL
DESIGN
GRAPHICS

2626 TUNLAW RD., #304
WASHINGTON, DC. 20007
TEL: 202 338 8014
FAX: 202 333 5301

PROJECT TITLE

2000
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WASHINGTON, DC.

PROJECT NUMBER

PROJECT STATUS

SHEET TITLE

EXISTING
PLUMBING PLAN

DRAWN BY

APPROVED BY

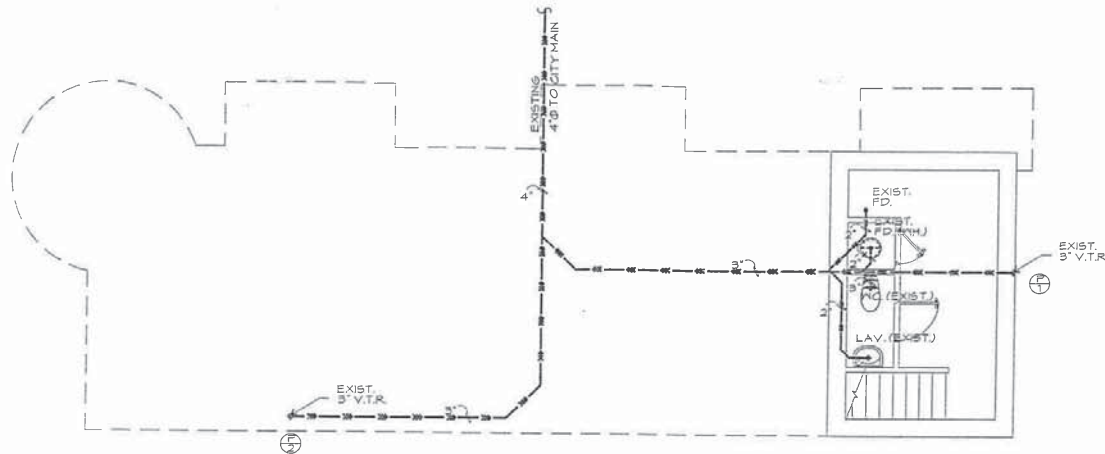
REVISION
NO. DATE DESCRIPTION

NO.	DATE	DESCRIPTION

SCALE: 1/8" = 1'-0"

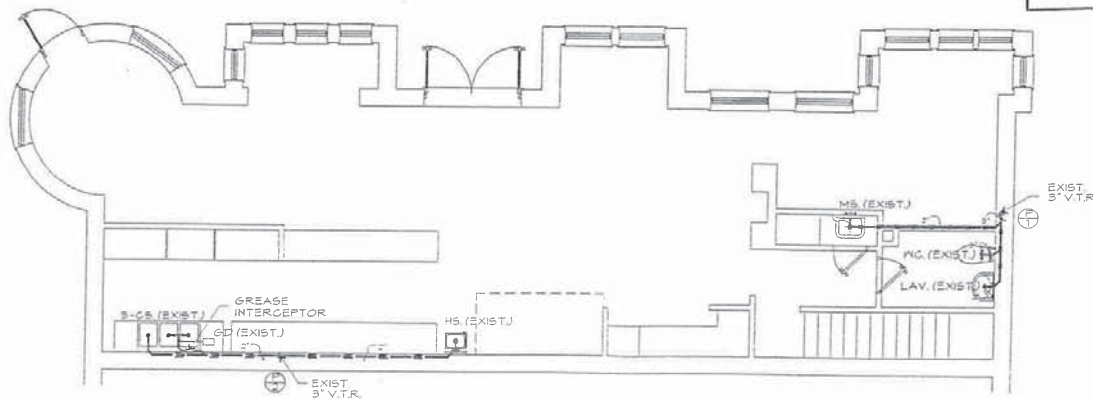
P-2

DATE: APRIL 23, 2012

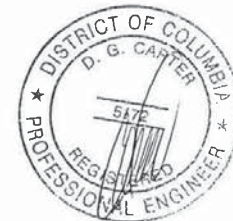


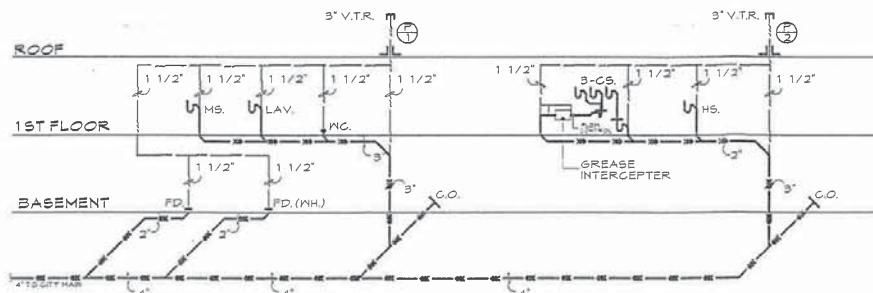
BASEMENT
SCALE: 1/8" = 1'-0"

THE GENERAL LAYOUT OF THE GAS PIPING AND/OR
PLUMBING SYSTEMS (Water, Sanitary and Storm)
SHOWN ON THESE DRAWINGS HAS BEEN REVIEWED
FOR COMPLIANCE WITH THE APPLICABLE PROVISIONS
OF THE D.C. CONSTRUCTION CODES AND IS APPROVED
Date JUN 08 2012 *eyf*
Mechanical Engineering Section

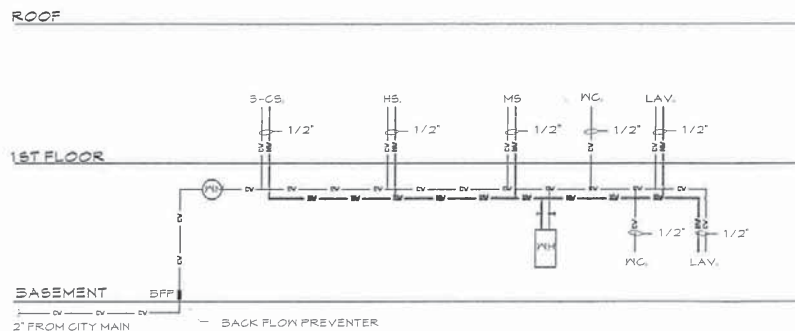


FIRST FLOOR
SCALE: 1/8" = 1'-0"



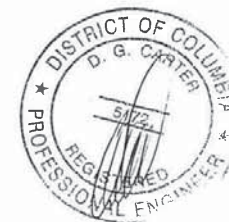


**SANITARY RISER DIAGRAM
(TYPICAL)**



**WATER SUPPLY DIAGRAM
(TYPICAL)**

THE GENERAL LAYOUT OF THE GAS PIPING AND/OR PLUMBING SYSTEMS (Water, Sanitary and Storm) SHOWN ON THESE DRAWINGS HAS BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE D.C. CONSTRUCTION CODES AND IS APPROVED.
Date JUN 08 2012 *EJS*
Mechanical Engineering Section



**ARCHITECTURAL
DESIGN
GRAPHICS**

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TEL: 202 338 8074
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PROJECT TITLE

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WASHINGTON, DC.

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PROJECT STATUS

SHEET TITLE

PLUMBING
PLAN

DRAWN BY

APPROVED BY

REVISION		
NO.	DATE	DESCRIPTION

SCALE: 1/8" = 1'-0"

P-3

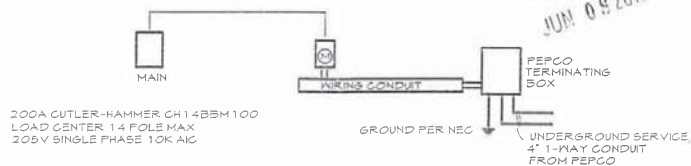
DATE: APRIL 23, 2012

ELECTRICAL NOTES

- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- CIRCUIT NUMBERS SHOWN ARE FOR IDENTIFICATION ONLY; IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BALANCE ALL PHASES IN THE PANELBOARD (BALANCE LOAD).
- SEE MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL MOTORS AND OTHER EQUIPMENT BEFORE ROUGH-IN.
- WHERE WIRE SIZES ARE INDICATED ON THE PLANS FOR INDIVIDUAL CIRCUITS, THE INDICATED WIRE SIZE SHALL APPLY TO THE COMPLETE CIRCUIT UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT NOT FURNISHED UNDER THIS SECTION BEFORE ROUGH-IN.
- SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF BUILDING EQUIPMENT BEFORE ROUGH-IN.
- CONDUIT AND/OR CABLE RUNS ARE SHOWN SCHEMATICALLY; BUILDING CONDITION WILL DETERMINE ACTUAL RUNS.
- MODULAR METERING EQUIPMENT WHEN USED IN CONJUNCTION WITH STANDARD 10K CIRCUIT BREAKER IN BUILDING LOAD CENTERS, SHALL BE SERIES RATED FOR MINIMUM 22K RMS SYMMETRICAL AMPERES.
- ALL JUNCTION BOXES SHALL BE OF CODE GAUGE AND OF THE SIZE REQUIRED TO ACCOMMODATE CONSTRUCTION SHOWN.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION BEFORE ROUGH-IN.
- THE CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER THE EXACT LOCATION OF CONNECTION BOX TO MECHANICAL EQUIPMENT BEFORE ROUGH-IN.
- THE CONTRACTOR SHALL EXTEND WIRING FROM THE JUNCTION BOX, RECEPTACLE, ETC., AND MAKE FINAL CONNECTION TO ALL BUILDING ELECTRICAL CONNECTIONS.
- ALL WORKMANSHIP MATERIALS AND EQUIPMENT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER THE ACCEPTANCE OF CONSTRUCTION BY THE OWNER.
- LOAD CENTER SHALL BE THE CIRCUIT BREAKER TYPE AS MANUFACTURED BY SQUARE D CO., CUTTLER HAMMER OR EQUAL.
- THE CONTRACTOR SHALL VISIT EXISTING SITE AND DETERMINE WHICH MATERIALS EFFECT HIS SCOPE.
- THE CONTRACTOR SHALL RESTORE ALL SYSTEMS AND AREAS DISTURBED BY HIS WORK TO THE SATISFACTION OF THE OWNER AND DEVELOPER.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND CERTIFICATIONS OF INSPECTIONS INCLUDING THE COST OF SAME IN HIS CONTRACT.
- ALL NEW MATERIALS FURNISHED FOR THIS PROJECT SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES, INC.
- ALL PHOTOCELLS SHALL BE WEATHERPROOFED, SURFACED MOUNTED WITH CORROSION PROOF PLATE AND SHALL BE MANUFACTURED BY TORK OR SIMILAR.
- THE CONTRACTOR MUST ASSURE EQUIPMENT GROUNDING SYSTEM CONTINUITY.
- THERMOSTAT WIRING SHALL BE AS PER DIAGRAM BY UNIT MANUFACTURER, SEE MECHANICAL PLANS FOR EXACT LOCATION.
- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND OTHER RULES AND REGULATIONS OF THE LOCAL ELECTRICAL AND BUILDING CODES.
- ALL WIRING SHALL BE "BX" WITH COPPER GROUND. ALL SMOKE DETECTORS SHALL BE HOT WIRED.
- OUTLETS MOUNTED ON COMMON WALL SHALL NOT BE MOUNTED BACK TO BACK THEY SHALL BE STAGGERED TO PREVENT SOUND TRANSMISSION.
- NUMBER AND SIZE OF CONNECTORS, CONDUIT, CONTROL PANEL AND MANUFACTURER TO PERFORM WORK AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
- UNIT SHALL BE PREWIRED WITH A MINIMUM OF 2 PAIR OF 24 AWG TELEPHONE CABLES USING MODULAR JACKS, TERMINATING IN STANDARD NETWORK INTERFACE AS REQUIRED BY C & P TELEPHONE COMPANY.
- THE CONTRACTOR SHALL COORDINATE DOOR ENTRY SYSTEM REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN AND PROVIDE ALL NECESSARY COMPONENTS TO ENSURE THAT A COMPLETE OPERATING SYSTEM IS PROVIDED.
- BRANCH CIRCUIT CONNECTORS SHALL BE MINIMUM NO. 12 AWG. HOMERUNS SHALL BE NO. 10 AWG - THIN INSULATION +/- LARGER FEEDERS - THIN INSULATION.

ELECTRICAL SYMBOL LIST

	2'x4' FLUORESCENT FIXTURE		120V HARDWIRED SMOKE DETECTOR
	INCANDESCENT LIGHT FIXTURE		OUTLET 110V
	SUN LAMP SURFACE MOUNTED		GROUND FAULT INTERRUPT
	WALL MOUNTED FIXTURE		OUTLET 220V
	MOTOR		ELECTRICAL PANEL
	BUZZER		CHIMES/BELL
	SINGLE POLE LIGHT SWITCH		RECESS LIGHT
	THREE WAY LIGHT SWITCH		CABLE
	WATER PROOF		CHANDELIER
	TELEPHONE JACK		G.D. GARBAGE DISPOSAL
	PULL CHAIN SWITCH		EMERGENCY LIGHT
	THERMOSTAT		EXIT SIGN



ELECTRIC RISER DIAGRAM

GOVERNMENT OF THE DISTRICT OF COLUMBIA
LICENSING & PERMITTING

Electrical wiring must conform to the
National Electric Code.

ELECTRICAL ENGINEERING SECTION

DATE:
JUN 08 2012



GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS
LICENSING & PERMITTING

PURSUANT TO CURRENT D.C. CONSTRUCTION CODES REQUIREMENTS
THIS ELECTRICAL PLAN IS REVIEWED AND APPROVED FOR PERMIT
AND THEREFORE ACTUAL INSTALLATION WORK AND FIELD
INSPECTION SHALL BE BASED ON IT.

JUN 08 2012

SIGNED:
ELECTRICAL ENGINEERING SECTION

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GRAPHICS

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PROJECT STATUS

SHEET TITLE

ELECTRICAL
NOTES AND
RISER DIAGRAM

DRAWN BY

APPROVED BY

REVISION
NO. DATE DESCRIPTION

SCALE:

E-1

DATE: APRIL 28, 2012



ARCHITECTURAL
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PROJECT TITLE

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EXISTING
ELECTRICAL PLAN

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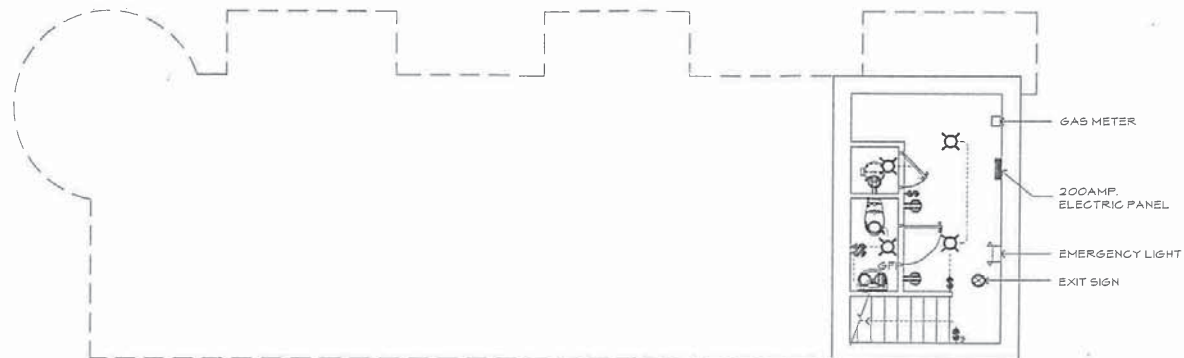
REVISION

NO. DATE DESCRIPTION

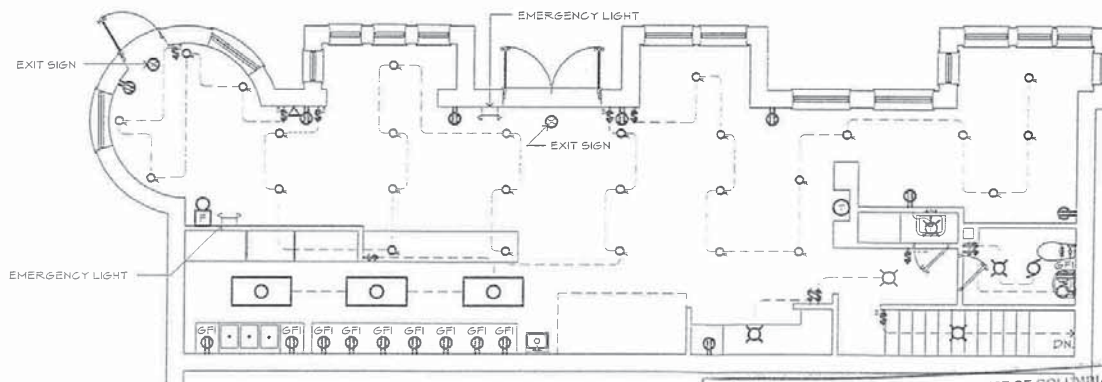
SCALE: 1/8" = 1'-0"

E-2

DATE: APRIL 23, 2012



BASEMENT
SCALE: 1/8" = 1'-0"



FIRST FLOOR
SCALE: 1/8" = 1'-0"

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS
LICENSING & PERMITTING

PURSUANT TO CURRENT D.C. CONSTRUCTION CODES REQUIREMENTS
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AND THEREFORE ACTUAL INSTALLATION MUST BE IN ACCORDANCE WITH FIELD
INSPECTION SHALL BE BASED ON IT.

JUN 08 2012

SIGNED:
ELECTRICAL ENGINEER/SECTION

