Panel 5 - GAS RISER

NATURAL GAS PIPING SYSTEM
PROVIDE A COMPLETE GAS PIPING SYSTEM TO SERVE GAS EQUIPMENT FURNISHED BY OTHERS, AS NOTED ON THE DRAWINGS. PROVIDE EITHER THREADED STEEL OR MALLEABLE IRON PIPE WITH MALLEABLE FITTINGS OR WELDED STEEL. PROVIDE ALL UNIONS, SHUT-OFF VALVES AND DIRT LEGS REQUIRED BY NFPA-54 AND GOVERNING LOCAL CODES AND AT EACH GAS APPLIANCE CONNECTION. PROVIDE ALL TESTS, METERS, INSPECTIONS, HANGERS AND EQUIPMENT CONNECTIONS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

NOTES:
1. GAS PIPING TO BE SCHEDULE 40 STEEL PIPE W/125 CAST IRON SCREWD FITTINGS

2. GAS SYSTEM TO BE INSTALLED BY QUALIFIED LICENSED CONTRACTOR.

3. VERIFY ALL EQUIPMENT BTUS PRIOR TO INSTALLATION. ADJUST PIPE SIZE ACCORDING IBC FUEL GAS TABLE 402.4
4. ALL GAS PIPING SHOWN ON PLAN ARE NEW.

GAS PIPE SIZING PER
CHICAGO PLUMBING CODE

EQUIVALENT LENGTH OF PIPE =
15+70+16+16+13+5= 135
+ FITTINGS (+25%) = 170 FEET

EXISTING NATURAL GAS METER VERIFY LOCATION (VERIFY CAPACITY, UPGRADE IF NECESSARY)

GAS SHUT-OFF INTERCONNECTED TO HOOD SUPPRESSION SYSTEM AUTOMATIC VALVE

70' 2-1/2"Ø 1062 CFH 15'
G 16' 901 CFH
161 CFH 2-1/2"Ø
726 CFH 175 CFH 16'
430 CFH 125 CFH
FRYER FRYER
HOT PLATE
CHEESE MELTER
40 CFH 160 CFH 310 CFH 296 CFH 148 CFH
50 CFH 13' 5' 50 CFH
RTU-1 RTU-2
MUA-1

GAS SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	MANUFACTURER	MODEL	SIZE	BTU/HR.
KPP.PO.7F2	1	PIZZA OVEN	XLTOVENS	3855-2B	3/4"	296,000
KL.BRN.1B	1	HOT PLATE	VULCAN	VHP424	3/4"	120,000
KL.CHM.1B	1	CHEESEMELTER	MVP GROUP	SRCM-36	3/4"	40,000
KL.FY.1A	1	FRYER	VULCAN	LG500	3/4"	150,000
KL.FY.1B	1	FRYER	VULCAN	LG400	3/4"	120,000
-	1	MUA-1	CAPTIVE-AIR	-	3/4"	161,000
-	1	RTU-1(E)	YORK	D1CG072N09	3/4"	125,000
-	1	RTU-2(N)	YORK	48HCDB05	3/4"	50,000
TOTAL LOAD						1062000

| | SCALE | 5 |
| GAS RISER | N.T.S. | |

Panel 6 - SANITARY RISER

CONNECT TO EXISTING VENT LINE V.I.F

CONNECT TO EXISTING VENT LINE V.I.F

CONNECT TO EXISTING SANITARY LINE V.I.F

CONNECT TO EXISTING SANITARY LINE V.I.F

CONNECT TO EXISTING VENT LINE V.I.F

CONNECT TO EXISTING SANITARY LINE V.I.F

HAND SINK FLOOR SINK HAND SINK LAV WC FLOOR DRAIN FLOOR SINK CO

| | SCALE | 6 |
| SANITARY RISER | N.T.S. | |

LL'S GENERAL / TYPICAL MEP REQUIREMENTS

•UTILIZE LANDLORD WORK TO BE COORDINATED WITH LL'S REQUIRED ROOFER.
•REUSE EXISTING PENETRATIONS, CURBS, ETC. WHERE POSSIBLE.
•PROVIDE LL REP. AND PROPERTY MANAGEMENT 72 HRS NOTICE OF ANY BUILDING SYSTEM SHUTDOWN, I.E. ELECTRICAL, WATER, SPRINKLER, ETC. ANY SHUTDOWN TO BE DONE AFTER BUSINESS HOURS.
•ALL NEWLY SUSPENDED EQUIPMENT(LOADS (INCL. PIPES, LIGHTING, CEILING GRID, CONDUIT, ETC.) TO BE FROM TOP CHORD OF STEEL JOISTS, NOTHING TO BE HUNG FROM LATERAL BRACING/BRIDGING OR DECK. LOADS GREATER THAN 50 LBS TO BE FROM PANEL POINTS.
•ROOF OPENINGS GREATER THAN 6" TO BE REINFORCED WITH STEEL ANGLE. ESPECIALLY RTU OPENINGS.
•PROFESSIONALLY LABEL SUITE NUMBER ON ROOF TO EQUIPMENT, ELECTRIC AND GAS SERVICES, NEW AND EXISTING.
•REMOVE ALL ABANDONED MEP (EQUIPMENT, DUCTWORK, CONDUIT, PIPING, ETC.) BACK TO SOURCE AND CAP.
•PATCH AND REPAIR ROOF FROM ANY REMOVED EQUIPMENT TO LIKE-NEW CONDITION (NO CAPPING OF CURBS, CONDUIT, PIPES, VENTS, ETC.).
•GAS LINE DIRT LEGS AND CONDENSATION P-TRAPS TO BE 2" MIN. CLEAR OF ANY SURFACE,INCLUDING ROOF MEMBRANE.
•NO MEP (EQUIPMENT, DUCTWORK, CONDUIT, PIPING, ETC.) TO BE WITHIN SLAB DEPTH, MUST BE WITHIN SUBGRADE, BELOW SLAB AND VAPOR BARRIER (INCLUDING LOW VOLTAGE).
•PROVIDE TRACER WIRES FOR ALL UNDERGROUND PLASTIC PIPING AND CONDUIT
•ALL HARD CEILINGS TO HAVE AN ACCESS HATCH/PANEL DIRECTLY BELOW MEP EQUIPMENT (RTUS, TRANSFORMERS, SIGNAGE, EXHAUST FANS, WATER METER/SUBMETER, ETC.) FOR SERVICING.
•ALL MEP (EQUIPMENT, DUCTWORK, CONDUIT, PIPING, ETC.) TO BE HELD TIGHT TO ROOF DECK.
•ANY NEW ROOF TOP EQUIPMENT (RTU, EFS, VTRS, ETC.) AND PENETRATIONS TO BE MINIMUM 5' CLEAR FROM ANY LEASE LINE.
•LABEL ALL PIPING AND CONDUITS SERVING ONLY THE PREMISES WITH SUITE/ADDRESS NUMBER, SPECIFICALLY THOSE TRAVERSING COMMON AREAS AND OTHER TENANTS' SPACES.
•ALL TT'S INFRASTRUCTURE AND EQUIPMENT SHALL BE WITHIN LEASE LINES OF TT'S PREMISES, UNLESS NOTED OTHERWISE.
•CRANE AND/OR LIFT COMPANY FOR ANY ADDED ROOF TOP EQUIPMENT WILL BE REQUIRED TO HAVE AN AGREEMENT WITH PROPERTY MANAGEMENT (PM), COORDINATE WITH THE PM NO LESS THAN 7 DAYS PRIOR TO INSTALLATION.

Panel 4 - WATER RISER

RECONNECT TO EXISTING CW AND HW LINE FROM EXISTING WH. V.I.F.

CONNECT TO EXISTING CW AND HW LINE FROM EXISTING RESTROOM. V.I.F.
1-1/4" MIN REQUIRED TO SPACE UPGRADE IF NECESSARY

MIXER VACUUM BREAKER REQUIRED
HAND SINK SINK WC LAV HAND SINK
WATER FILTERS BAG-N BOX WATER FILTER HAND SINK ICE MAKER SODA MACHINE BEVERAGE DISPENSER

FIXTURE FACTOR VALUE *

1 WATER CLOSETS (E) @ 5	=	5
1 WATER CLOSETS (N) @ 5	=	5
1 LAVATORIES (E) @ 2	=	2
1 LAVATORIES (N) @ 2	=	2
1 HAND SINKS (E) @ 2	=	2
2 HAND SINKS (N) @ 2	=	4
1 PREP SINK @ 4	=	4
1 DOUGH WATER @ 2	=	2
1 - 3 COMP SINK (E) @ 4	=	4
1 HOSE BIBB MIXER @ 2	=	2
3 **MISC. @ .25	=	0.75
1 MOP SINK (E) @ 3	=	3
TOTAL	=	35.75

* PER APPENDIX A TABLE 18-29-604.10.1 IN CHICAGO PLUMBING CODE

** BEVERAGE DISPENSER, ICE MACHINE, ICE TEA DISPENSER, BAG-N-BOX

| | SCALE | 4 |
| WATER RISER | N.T.S. | |

Panel 3 - ROOF PLAN

GRAPHIC SCALE
0'   5'   10'
1/4" = 1'-0"

MAU-1(N)
RTU-1(E)
RTU-2(N)

| | SCALE | 3 |
| ROOF PLAN | 1/4" = 1'-0" | |

Panel 2 - WATER/GAS PLAN

GRAPHIC SCALE
0'   5'   10'
1/4" = 1'-0"

RECONNECT TO EXISTING CW AND HW LINE FROM EXISTING WATER HEATER V.I.F. EXISTING BATHROOM TO REMAIN

CONNECT TO EXISTING CW AND HW LINE V.I.F.

UP TO NEW MUA-1

UP TO EXISTING RTU-1

UP TO NEW RTU-2

ADJACENT TENANT SPACE N.I.C.

B1 A1 KP.MX.1E KS.MS.EXIST KS.3CS.EXIST M.FLTR.1D M.FLTR.1C KS.VS.1AL KLFY.1A KLFY.1B KL.CHM.1B KL.BRN.1B KLHE.1B KPP.PO.7F2 KS.HS.1A M.FLTR.1B M.CARB.1A M.MI.4A M.SF.1B1NVSS M.TF.1A

| | SCALE | 2 |
| WATER/GAS PLAN | 1/4" = 1'-0" | |

Panel 1 - SANITARY PLAN

GRAPHIC SCALE
0'   5'   10'
1/4" = 1'-0"

CONNECT TO EXISTING VENT LINE V.I.F. EXISTING BATHROOM TO REMAIN

CONNECT TO EXISTING SANITARY LINE V.I.F.

CONNECT TO EXISTING VENT LINE V.I.F.

CONNECT TO EXISTING SANITARY LINE V.I.F.

CONNECT TO EXISTING SANITARY LINE V.I.F.

CONNECT TO EXISTING VENT LINE V.I.F.

CONNECT TO EXISTING VENT LINE V.I.F.

CONNECT TO EXISTING SANITARY LINE V.I.F.

ADJACENT TENANT SPACE N.I.C.

B1 A1 FD(E) KP.MX.1E KS.MS.EXIST KS.HS.EXIST M.FLTR.1D M.FLTR.1C KS.VS.1AL KS.HS.1A B FD(N) M.FLTR.1B M.CARB.1A M.HS.1B M.MI.4A M.SF.1B1NVSS M.TF.1A C.PO.1C

| | SCALE | 1 |
| SANITARY PLAN | 1/4" = 1'-0" | |

Low Voltage Diagram (top left)

CAT-5E (OR6) ETHERNET

CAT-5E (OR6) ETHERNET

POS   TEL   PRINTER

ALL CAT-5E OR CAT-6 CABLE SHALL BE IN CONDUIT PUNCHED DOWN WITH RJ45'S USING (B) CONFIGURATION.
TERMINATIONS BY TELECOM CONTRACTOR

- (1) CAT5/6 OUTLET TO PRINTER IF IT'S BY ITSELF, I.E. AT PIZZA LINE BY DOUGH ROLLER.
- (2) CAT5/6 WHERE THERE IS A POINT OF SALES STATION BECAUSE IT HAS A PHONE NEXT TO IT TYPICALLY OR THE PRINTER MAY HAVE TO BE RUN AS A HOMERUN
- (1) CAT5/6 WHERE THERE IS A PHONE BY ITSELF I.E. HOSTESS' STATION

ELECTRICAL POWER PLAN KEYED WORK NOTES:

1. EXISTING ELECTRIC WATER HEATER SHALL REMAIN CONNECTED TO THE EXISTING PANEL "A" CIRCUIT NUMBER AS INDICATED ON DRAWING. E.C. VERIFY THE EXACT CIRCUIT NUMBER ON FIELD.

2. EXISTING WALK-IN COOLER SHALL REMAIN. CONDENSER DISCONNECT SWITCH SHALL REMAIN CIRCUITED TO THE EXISTING PANEL "A". E.C. SHALL VERIFY EXACT SIZE, OPERABLE CONDITION AND CIRCUIT NUMBER ON FIELD.

3. EXISTING RTU-1 SHALL REMAIN CONNECTED TO THE EXISTING PANEL "A" TO THE CIRCUIT NUMBER AS INDICATED ON PLANS. E.C. SHALL VERIFY EXACT CIRCUIT NUMBER, OPERABLE CONDITION OF THE EXISTING BRANCH CIRCUIT AND DISCONNECT SWITCH ON FIELD.

4. EXISTING KEF-1 SHALL REMAIN CONNECTED TO THE EXISTING PANEL "A". E.C. SHALL VERIFY EXACT CIRCUIT NUMBER, OPERABLE CONDITION OF THE EXISTING BRANCH CIRCUIT AND POWER PROVISION ON FIELD.

5. CEILING MOUNTED RECEPTACLE MOUNTED AT 10' AFF FOR NEON SIGN. E.C. SHALL COORDINATE EXACT MOUNTING HEIGHT AND POWER REQUIREMENTS WITH ARCHITECT/OWNER.

6. ELECTRICAL CONTRACTOR SHALL VERIFY MOUNTING HEIGHT OF ELECTRICAL OUTLETS WITH ARCHITECT/OWNER.

LOW VOLTAGE PLAN (Sheet 3)

GRAPHIC SCALE
0'   5'   10'
1/4" = 1'-0"

EXISTING PANEL "A"
NEW PANEL "B"
WH
REFER TO LV DIAGRAMS FOR DETAILS
PATCH PANEL
TO PATCH PANEL IN OFFICE
TO PATCH PANEL IN OFFICE
POS
PRINTER
TO PATCH PANEL IN OFFICE
TELEPHONE
POS
PRINTER
PRINTER
POS
TO PATCH PANEL IN OFFICE
TV
TV
TV
TV
TV
ADJACENT TENANT SPACE N.I.C.

| | SCALE | |
| LOW VOLTAGE PLAN | 1/4" = 1'-0" | 3 |

ROOF POWER PLAN (Sheet 2)

GRAPHIC SCALE
0'   5'   10'
1/4" = 1'-0"

MUA-1(N)
B-32,34,36
WP/GFI
B-30
3/12, 1#12G, 3/4"C
EXISTING KITCHEN HOOD EXHAUST FAN TO REMAIN
KEF-1(E) 4
B-26
KEF-2(N)
EXISTING COOLER CONDENSER 2
A-5,7,9
RTU-1(E) 3
B-30
B-20,22,24
WP/GFI
3#10, 1#G, 3/4"C
RTU-2(N)

NO EXPOSED ELECTRICAL CONDUIT FOR ROOF TOP EQUIPMENT. HOWEVER, IF UNAVOIDABLE, IT SHOULD BE ATTACHED TO UNIT(S) AND NOT ATTACHED TO CURB OR CURB FLASHING, OR RUN FREELY ACROSS ROOF

| | SCALE | |
| ROOF POWER PLAN | 1/4" = 1'-0" | 2 |

POWER PLAN (Sheet 1)

GRAPHIC SCALE
0'   5'   10'
1/4" = 1'-0"

EXISTING PANEL "A"
NEW PANEL "B"
WH
GFI B-37
A-13,15
1
E.POS.1A
B-9
E.TEL.2B
2
B-12
B-11
GFI
B-9
B-15
B-17
B-39
GFI   GFI   GFI
B-19
B-7
B-3
B-8
B-10
B-11
B-21
GFI B-29
GFI B-25
B-7
GFI B-27
B-6
B-38
B-41
GFI
GFI B-23
B-5
B-5
B-4
6
5
B-33
B-31
B-35
B-2
B-14,16,18
B-28
FOR AIR CURTAIN-1
ADJACENT TENANT SPACE N.I.C.

ALL OUTLETS/SWITCHES VISIBLE TO THE PUBLIC SHALL BE BLACK

| | SCALE | |
| POWER PLAN | 1/4" = 1'-0" | 1 |