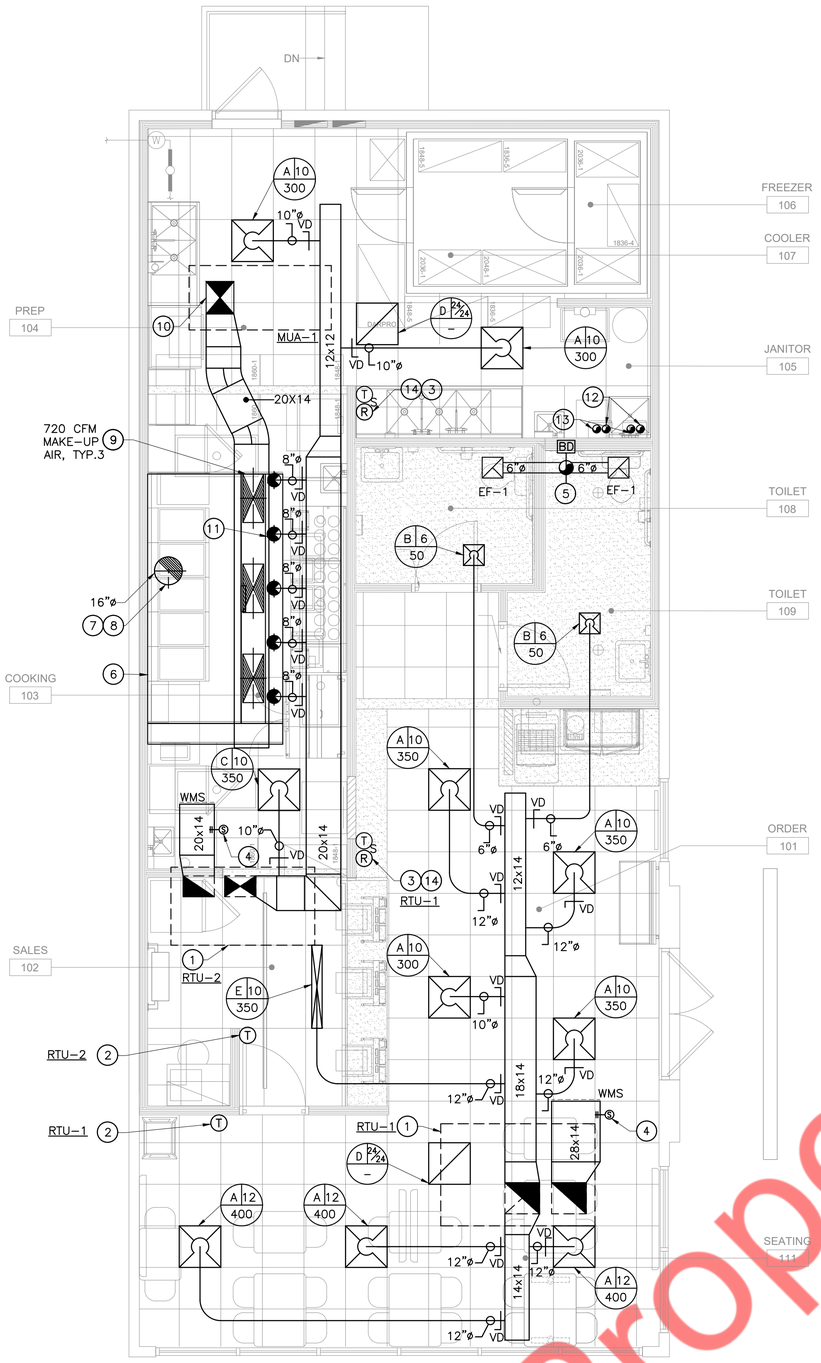
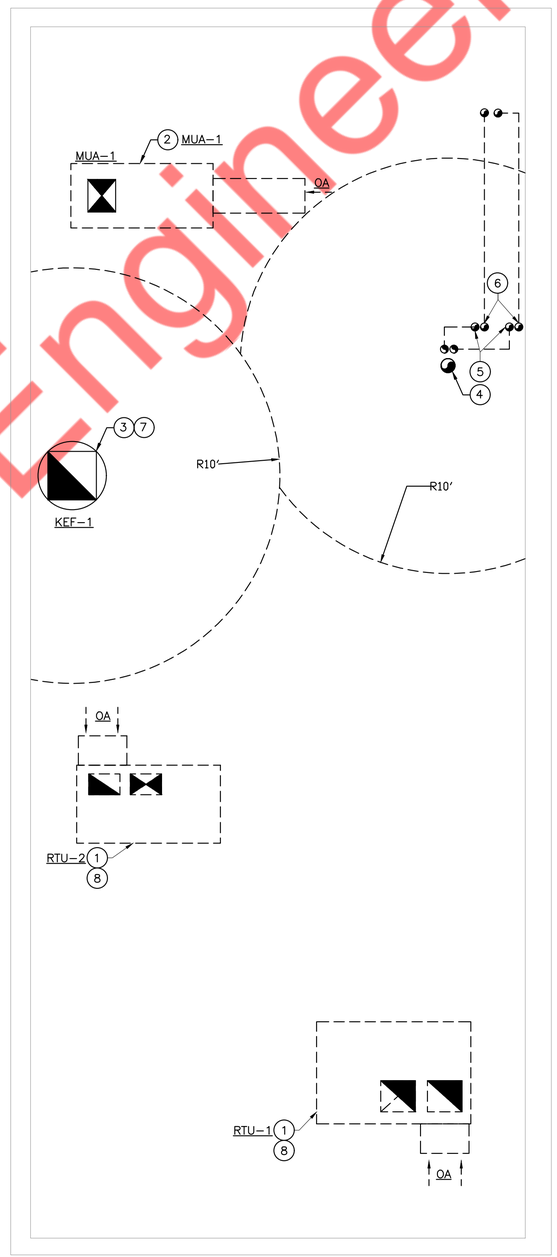


MECHANICAL PLAN NOTES

1. EXTEND FULL SIZE SUPPLY & RETURN DUCTWORK FROM 7.5–TON & 5–TON ROOFTOP UNIT TO SPACE. EXTEND AS SHOWN. ACOUSTICALLY LINE THE FIRST 10'–0" OF BOTH SUPPLY AND RETURN MAIN DUCTS.
2. INSTALL AND WIRE NEW 7–DAY PROGRAMMABLE THERMOSTAT. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH–IN.
3. MECHANICAL CONTRACTOR TO MOUNT SMOKE DETECTOR REMOTE KEY STATUS AND TEST STATIONS (WITH AUDIO AND VISUAL ALARM).NEXT TO UNIT THERMOSTAT. MC. TO INDICATE DETECTOR SERVING AIR CONDITIONING UNIT. COORDINATE EXACT LOCATION WITH FIRE MARSHAL PRIOR TO ROUGH–IN. ALL WIRING SHALL BE BY ELECTRICAL CONTRACTOR IN CONDUIT PER N.E.C. REMOTE STATION SHALL BE A SYSTEM SENSOR MODEL SSK451 OR EQUAL.
4. SMOKE DETECTOR SHALL BE FURNISHED/INSTALLED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR TO SHUT DOWN CORRESPONDING AIR CONDITIONING UNIT UNDER ALARM CONDITIONS. ALL WIRING SHALL BE IN CONDUIT PER N E C SMOKE DETECTOR SHALL BE SYSTEM SENSOR MODEL DH100ACDCLP OR EQUAL.
5. ROUTE 8"ø EXHAUST DUCT UP THROUGH ROOF WITH TALL CONE FLASHING, WEATHER SKIRT, AND VENT CAP. MAINTAIN A MINIMUM OF 10'–0" FROM ALL OUTSIDE AIR INTAKES AND TERMINATES 36" ABOVE ROOF.
6. INSTALL TYPE 1 GREASE EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE TRAPEZE HANGERS FOR ALL THREAD SUPPORT UNDER DUCTWORK AS REQUIRED. TRANSITION FROM HOOD CONNECTION TO WELDED KITCHEN EXHAUST DUCT SIZES SHOWN.
7. GREASE DUCT TO BE PROVIDED WITH KITCHEN EQUIPMENT AND INSTALLED BY MECHANICAL CONTRACTOR. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
8. 16"ø GREASE EXHAUST DUCT FROM HOOD UP THRU ROOF TO KEF–1
9. EXTEND MAKE–UP AIR DUCT FROM HOOD COLLAR UP TO MOUNTED MAKE–UP AIR UNIT ON ROOF (MUA–1).
10. MAKEUP DUCT UP THRU ROOF TO MUA–1.
11. CONNECT 8"ø SUPPLY AIR DUCT TO HOOD.
12. 4.5"ø WATER HEATER AIR INTAKE PIPE UP THROUGH ROOF.
13. 4.5"ø WATER HEATER EXHAUST VENT PIPE UP THROUGH ROOF.
14. TEMPERATURE SENSOR FOR THERMOSTAT SERVING DESIGNATED ROOF TOP UNIT.

MECHANICAL ROOFTOP PLAN NOTES

1. PROVIDE AND INSTALL NEW ROOFTOP UNIT. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCT CONNECTIONS. SET OUTSIDE AIR AS INDICATED ON ROOFTOP UNIT SCHEDULES. MECHANICAL CONTRACTOR SHALL SCRIBE INTO UNIT POSITION OF OUTSIDE AIR DAMPER AND LABEL OUTSIDE AIR VOLUME AND PERCENT OF OUTSIDE AIR.
2. MAKE–UP AIR UNIT AND ROOF CURB ARE OWNER PROVIDED. COORDINATE LOCATION OF UNIT WITH LANDLORD AND EXISTING CONDITIONS. ADJUST DUCTWORK ROUTING ACCORDINGLY. PROVIDE FLEXIBLE CONNECTION ON THE SUPPLY DUCT CONNECTION TRANSITION TO DUCT SIZE INDICATED. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
3. ROOF MOUNTED GREASE EXHAUST FAN AND FAN CURB ARE OWNER PROVIDED. COORDINATE INSTALLATION OF FAN WITH LANDLORD AND EXISTING CONDITIONS TO ENSURE THAT FAN IS NOT INSTALLED WITHIN 10 FEET OF ANY OUTSIDE AIR INTAKE.
4. 8"ø EXHAUST DUCT UP THROUGH POOF WITH TALL CONE FLASHING, WEATHER SKIRT, AND VENT CAP. MAINTAIN A MINIMUM OF 10'–0" FROM ALL OUTSIDE AIR INTAKES AND TERMINATE 36" ABOVE ROOF.
5. 4.5"ø WATER HEATER FLUE PIPE UP THROUGH ROOF WITH VENT CAP. MAINTAIN A MINIMUM OF 10'–0" FROM ALL OUTSIDE AIR INTAKE AND TERMINATES 36" ABOVE ROOF.
6. 4.5"ø WATER HEATER AIR INTAKE PIPE UP THROUGH ROOF WITH VENT CAP. MAINTAIN A MINIMUM OF 10'–0" FROM ALL EXHAUST AIR VENTS AND TERMINATES 36" ABOVE ROOF.
7. CONTRACTOR TO FIELD VERIFY THAT THE LOCATION OF ANY INTAKE SOURCE FROM ADJACENT TENANTS SHOULD BE AT LEAST 10' AWAY FROM THE KXF–1 AND OTHER EXHAUST DUCT TERMINATING ON ROOF.
8. CONTRACTOR TO FIELD VERIFY THAT THE LOCATION OF ANY EXHAUST SOURCE FROM ADJACENT TENANTS SHOULD BE AT LEAST 10' AWAY FROM THE RTU–1, RTU–2 & MUA–1.



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

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

LUMINAIRE SCHEDULE:

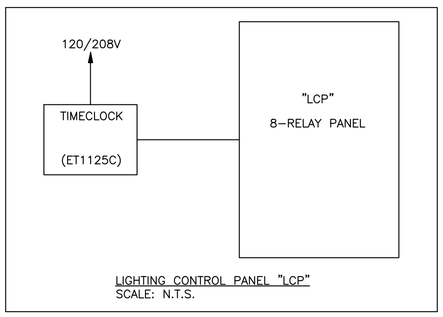
Fixture Type	LAMP	WATTAGE	VOLTAGE	DESCRIPTION	CATALOG NUMBER	REMARK
A	LED/3000K/675LM /80CRI	10 PER HEAD	120	FIXTURE: 2'-0" TRACK W/ (2) FIXTURES (HEAD)	JUNO LIGHTING, TRACK: #R2BL HEAD: #R600L-3-K-N-BL CURRENT LIMITER: #RCLFM11BL	
B	LED	10	120	FIXTURE: 16" ROUND PENDANT W/ 15'-0" CORD (BLACK)	HI-LITE MANUFACTURING LIGHTING #H16116-101/CB15-91/GU24/ 10W	E.C. TP PROVIDE (1) LED LAMP RATED AT 10W OR LESS WITH GU24 BASE. MANUFACTURER TO LABEL FIXTURE WITH 10W MAXIMUM LABEL.
C	LED/3500K/4800L M/85CRI	43.7	120	FIXTURE: 2'x4' TROFFER W/ ACRYLIC LENS	METALUX #24GR-LD4-48-F1-UNV-L835-C D-1-U	
CA	LED/3500K/5500L M/85CRI	50	120	FIXTURE: 2'x4' TROFFER W/ ACRYLIC LENS	METALUX #24CZ-LD4-55-F1-UNV-L830-C D1-U	
DB	LED	10	120	FIXTURE: 6" ROUND RECESSED CAN LIGHT	HALO LIGHTING HOUSING: #H750ICAT MODULE: #LT560WH6930	
F	LED/3000K/675LM /80CRI	10 PER HEAD	120	FIXTURE: LED STRIPE LIGHT	JUNO LIGHTING TRACK: #R6WH HEAD: #R600L-3-K-N-WH CURRENT LIMITER: #RCLFM11BL	
EM	LED		120	LED EMERGENCY EGRESS FIXTURE WITH 3.6V NICKEL-CADMIUM BACKUP BATTERY, WHITE FINISH, AND (2) HEADS.	SURE-LITE #CU2-LED	
EX	LED		120	LED EMERGENCY EGRESS EXIT SIGN FIXTURE WITH 3.6V NICKEL-CADMIUM BACKUP BATTERY, WHITE FINISH, RED LETTERS, REMOTE CAPABILITIES, AND (2) HEADS.	SURE-LITE #APCH7-R	

LUMINAIRE SCHEDULE GENERAL NOTES:

1. VERIFY ALL LUMINAIRE COLORS, TRIMS, LENGTHS, ETC. WITH THE ARCHITECT PRIOR TO PLACING FINAL PURCHASE ORDERS. SUBMISSION PF SHOP DRAWINGS WILL BE INTERPRETED AS HAVING BEEN COORDINATED WITH THE ARCHITECTURAL DRAWINGS .
2. PROVIDE ALL LENGTHS, FEEDS, ACCESSORIES, CONNECTORS, WIRING, POWER SUPPLIES, DRIVERS ETC. FOR A COMPLETE INSTALLATION. THE E.C. SHALL VERIFY THE COMPLETE BILL OF MATERIAL WITH MANUFACTURER'S REPRESENTATIVE AND ENSURE ALL EQUIPMENT ARE INCLUDED IN BID PRICE. COORDINATE INSTALLATION WITH ARCHITECTURAL DETAILS.
3. VERIFY FINAL LUMINAIRE LOCATIONS WITH OTHER CEILING MOUNTED EQUIPMENTS SUCH AS DIFFUSER WITH ARCHITECTURAL REFLECTED CEILING PLANS.
4. VERIFY EXACT MOUNTING HEIGHT AND LOCATIONS OF ALL WALL MOUNTED LUMINAIRE WITH ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO ROUGH–IN
5. ANY PROPOSED ALTERNATE LUMINAIRES SHALL BE APPROVED BY THE ARCHITECT PRIOR TO FINAL BID PRICING.
6. SHOULD THE CONTRACTOR PROPOSE TO FURNISH MATERIALS, EQUIPMENT AND DEVICES OTHER THAN THOSE SPECIFIED AND LISTED, THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR SUBSTITUTIONS, TO THE ENGINEERS AT LEAST TEN (10) BUSINESS DAYS PRIOR TO BID OPENING. THE REQUEST SHALL BE AN ALTERNATE TO THE ORIGINAL BID AND SHALL INCLUDE A COMPLETE SPECIFICATIONS CUTSHEET SUBMITTAL AS OUTLINED IN THE SPECIFICATIONS, COMPLETE WITH DESCRIPTIVE (MANUFACTURER, BRAND NAME, CATALOG NUMBER, ETC.) AND TECHNICAL DATA FOR ALL ITEMS. INDICATE ANY ADDITIONS OR DEDUCTIONS TO THE CONTRACT PRICE WITH THE SUBSTITUTION SUBMITTAL AND ON THE BID FORM.

'LCP' SCHEDULE

RELAY #	ZONE TAG	CONTROL TYPE	CIRCUIT #	DESCRIPTION
1	a	TIMER	A#1	DINING AREA LIGHTING
2	b	TIMER	A#1	ORDER AREA LIGHTING
3	c	TIMER	A#3	SALES AREA LIGHTING
4	d	TIMER	A#3	COOKING AREA LIGHTING
5	e	TIMER	A#5	EXTERIOR SIGNAGE
6	f	TIMER	A#7	SHOW WINDOW RECEPTACLE
7	g	TIMER	A#40	OPEN TILL MIDNIGHT SIGN

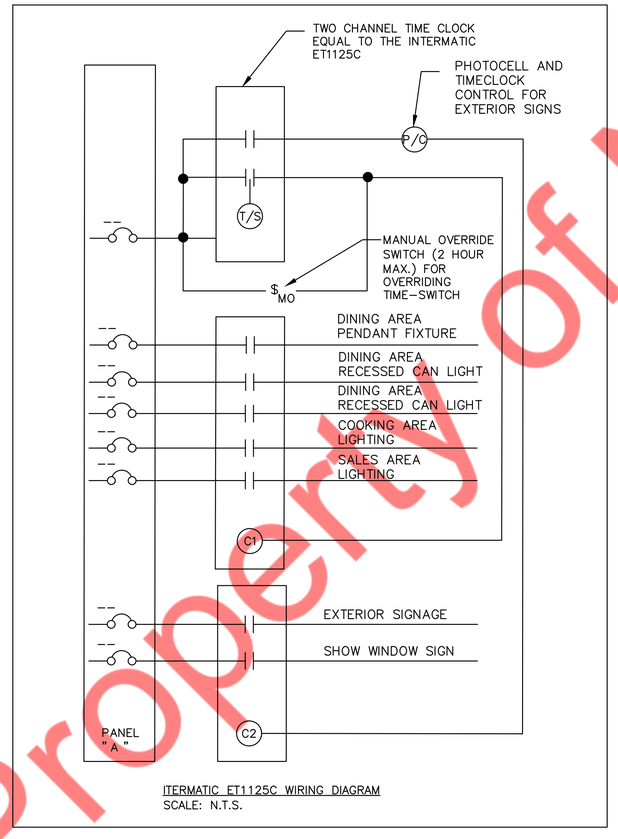


LIGHTING CONTROL PANEL "LCP"
SCALE: N.T.S.

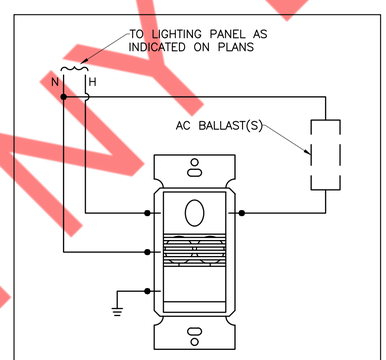
ITERMATIC ET1125C 24–HOUR ELECTRONIC TIME SWITCH:

NOTES:

1. ITERMATIC TIMER BOX SHALL BE LOCATED AS CLOSE TO PANELBOARD AS PRACTICAL. PROVIDE WIRING FROM LOW VOLTAGE SWITCH TO RELAY CABINET REQUIRED FOR EACH RELAY AS REQUIRED.
2. PROGRAM LIGHTING SCHEDULE AND HOURS OF OPERATION WITH OWNER.
3. PROVIDE LOW VOLTAGE OVERRIDE SWITCH AS INDICATED ON DRAWINGS ITERMATIC ET1125C SERIES. LOW–VOLTAGE OVERRIDE SWITCH CONTROLS SHALL INITIATE AN OVERRIDE OF A MAXIMUM TIME OF NO MORE THAN TWO (2) HOURS.
4. PROVIDE TWO (2) HOUR TRAINING ON PROGRAMMING OF SYSTEM & SYSTEM OPERATION.
5. SYSTEM SHALL BE TESTED AND COMMISSIONED IN ACCORDANCE WITH ASHRAE 90.1–2010 REQUIREMENTS AS NOTED IN PARAGRAPH 9.4.4 – FUNCTIONAL TESTING.



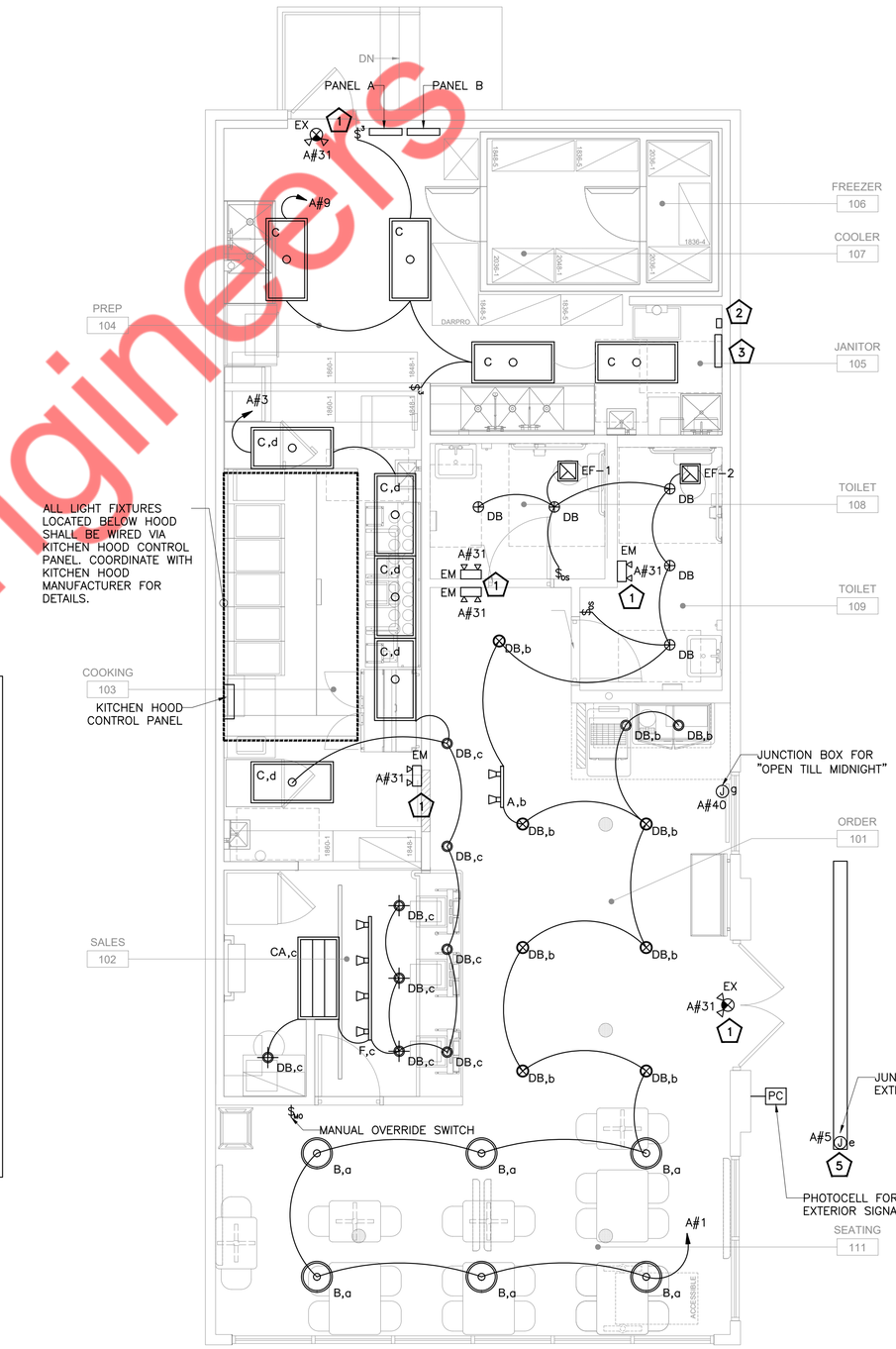
ITERMATIC ET1125C WIRING DIAGRAM
SCALE: N.T.S.



OCCUPANCY SENSOR SWITCH WIRING DIAGRAM
SCALE: N.T.S.

NOTES:

1. ALL LOW VOLTAGE WIRING AND TERMINATIONS TO BE BY ELECTRICAL CONTRACTOR.
2. OCCUPANCY/VACANCY SENSOR SHALL BE "SENSOR SWITCH" WSX–PDT–SA–WH OR APPROVED EQUAL. ALL EXPOSED CONTROL WIRING SHALL BE IN CONDUIT.



ELECTRICAL LIGHTING PLAN KEYED WORK NOTES:

1. CONNECT ALL EMERGENCY EGRESS AND NIGHT LIGHTING FIXTURES TO NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS PER STATE AND LOCAL CODES. EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER FACE.
2. LOCATION OF ET1125C SERIES 24–HOUR ELECTRONIC TIME SWITCH (3.1"X5.3"X8"). SEE SCHEDULE ON THIS DRAWING FOR ADDITIONAL INFORMATION. CONNECT TO P.O.S. RECEPTACLE BRANCH CIRCUIT. (PANEL A, CKT#12). COORDINATE LOCATION OF LCP PANEL WITH ARCHITECT/OWNER.
3. LOCATION OF LIGHTING CONTROL PANEL 'LCP'. SEE SCHEDULE ON THIS DRAWING FOR ADDITIONAL INFORMATION. CONNECT TO P.O.S. RECEPTACLE BRANCH CIRCUIT. (PANEL A, CKT#12). COORDINATE LOCATION OF LCP PANEL WITH ARCHITECT/OWNER.
4. ALL COOLER FREEZER LIGHTING FIXTURES AND RELATED LOCAL CONTROLS SHALL BE PROVIDED BY EQUIPMENT SUPPLIER. E.C. SHALL MAKE ALL FINAL CONNECTION TO FIXTURES AS REQUIRED TO ENSURE A COMPLETE OPERATION. CONNECT FIXTURES TO NEAREST 120V LIGHTING CIRCUIT.
5. PROVIDE JUNCTION BOX FOR SERVICE TO STOREFRONT SIGNAGE. MOUNT JUNCTION BOX ABOVE STOREFRONT WINDOW, WITHIN 18" OF TOP OF STOREFRONT WINDOW. JUNCTION BOX SHALL BE CONTROLLED THROUGH LIGHTING CONTROL PANEL "LCP" RELAY 'e'.

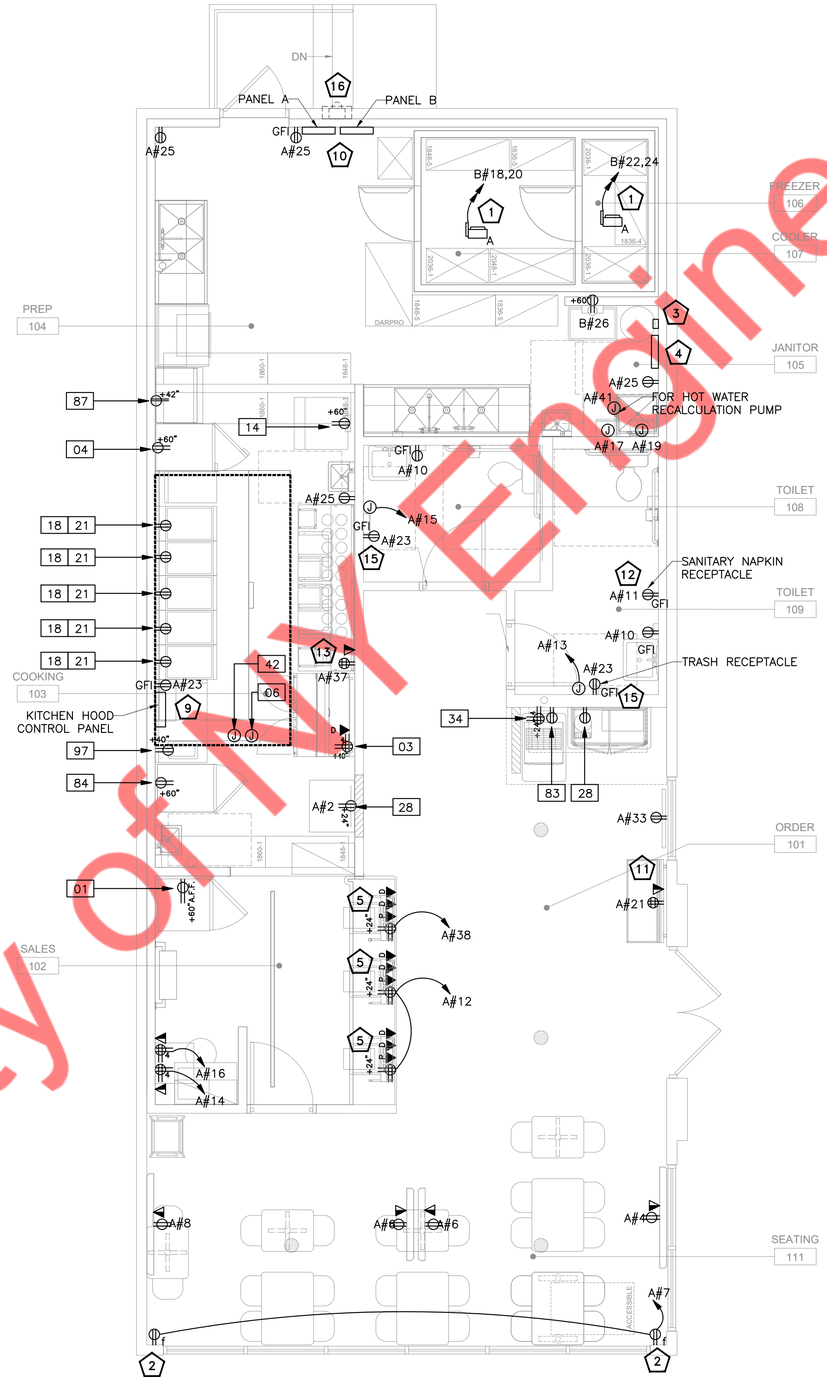
1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL POWER PLAN KEYED WORK NOTES:

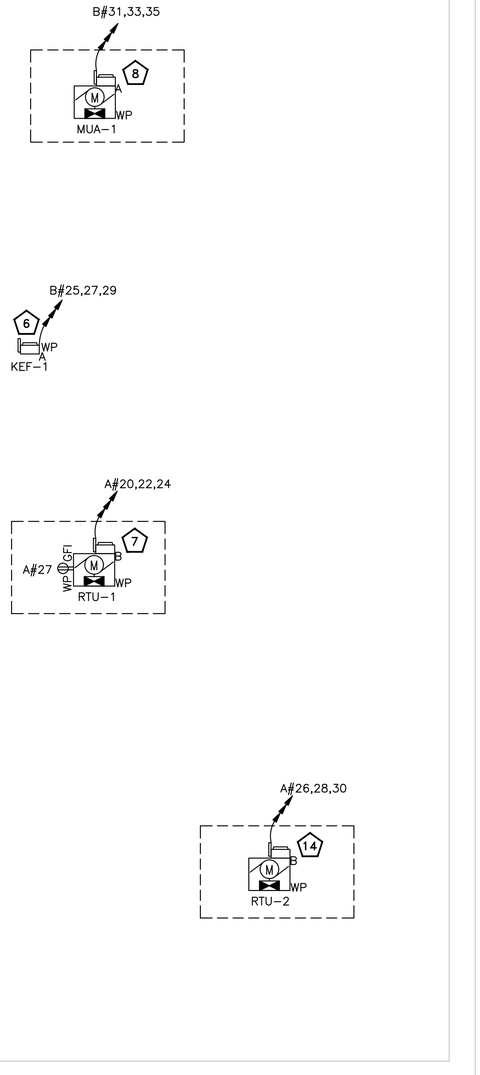
1. COOLER/FREEZER CONDENSER (1.15/1.05KW–208V–1PH): PROVIDE A 30A–2P UNFUSED DISCONNECT SWITCH MOUNTED ON/AT UNIT AS REQUIRED. COORDINATE FINAL LOCATION IN FIELD. WIRING SHALL BE 2#12(G), 3/4"C. TO THE 20A–2P CIRCUIT BREAKER INDICATED ON DRAWING.
2. PROVIDE AND MOUNT DUPLEX RECEPTACLE FOR SHOW WINDOW LIGHTING ABOVE STOREFRONT WINDOW WITHIN 18" OF TOP OF THE STORE FRONT WINDOW. RECEPTACLES SHALL BE CONTROLLED THROUGH LIGHTING CONTROL PANEL "LCP" RELAY 'f'.
3. LOCATION OF ET1125C SERIES 24–HOUR ELECTRONIC TIME SWITCH (3.1"X5.3"X8"). SEE SCHEDULE ON THIS DRAWING FOR ADDITIONAL INFORMATION. COORDINATE LOCATION OF LCP PANEL WITH ARCHITECT/OWNER.
4. LOCATION OF LIGHTING CONTROL PANEL 'LCP'. SEE SCHEDULE ON THIS DRAWING FOR ADDITIONAL INFORMATION. CONNECT TO P.O.S. RECEPTACLE BRANCH CIRCUIT. (PANEL A, CKT#12). COORDINATE LOCATION OF LCP PANEL WITH ARCHITECT/OWNER.
5. COORDINATE MOUNTING AND EXACT LOCATION OF DEVICES IN P.O.S. CABINETRY WITH G.C. EACH P.O.S. STATION SHALL BE (1) DOUBLE DUPLEX RECEPTACLE, (2) DATA OUTLETS, AND (1) VOICE OUTLET. COORDINATE ALL REQUIREMENTS WITH FRANCHISEE/ARCHITECT.
6. KITCHEN EXHAUST FAN (7.6 MCA–208V–3 PH): PROVIDE A 30A–3P UNFUSED DISCONNECT SWITCH MOUNTED ON/AT UNIT AS REQUIRED. COORDINATE FINAL LOCATION IN FIELD. WIRING SHALL BE 3#12 , 1#12 (G), 3/4"C. TO THE 15A–3P CIRCUIT BREAKER INDICATED ON DRAWING. THE FAN SHALL BE WIRED VIA KITCHEN HOOD CONTROL PANEL. PROVIDE DEDICATED CONDUIT FOR THE KITCHEN EXHAUST FAN. COORDINATE WITH KITCHEN HOOD MANUFACTURER FOR DETAILS. DISCONNECT SWITCH SHALL BE FACTORY PROVIDED AND INSTALLED.
7. ROOFTOP UNITS RTU–1 (43MCA–208V–3 PH): PROVIDE A 50A–3P UNFUSED DISCONNECT SWITCH MOUNTED ON/AT UNIT AS REQUIRED. COORDINATE FINAL LOCATION IN FIELD. WIRING SHALL BE 3#8, 1#10 (G), 3/4"C. TO THE 50A–3P CIRCUIT BREAKER INDICATED ON DRAWING.
8. KITCHEN MAKE–UP AIR UNIT (7.12 MCA–208V–3 PH): PROVIDE A 30A–3P UNFUSED DISCONNECT SWITCH MOUNTED ON/AT UNIT AS REQUIRED. COORDINATE FINAL LOCATION ON FIELD. WIRING SHALL BE 3#12 , 1#12 (G), 3/4"C. TO THE 15A–3P CIRCUIT BREAKER AS INDICATED ON DRAWING. THE UNIT SHALL BE WIRED VIA KITCHEN HOOD CONTROL PANEL. PROVIDE DEDICATED CONDUIT FOR THE MAKE–UP AIR UNIT. DISCONNECT SWITCH SHALL BE FACTORY PROVIDED AND INSTALLED. COORDINATE WITH KITCHEN HOOD MANUFACTURER FOR DETAILS.
9. COORDINATE EXACT LOCATION & DETAILS OF KITCHEN HOOD CONTROL PANEL WITH KITCHEN HOOD MANUFACTURER
10. PROVIDE STAINLESS STEEL COVER FOR THE PANEL 'A', PANEL 'B' & LCP PANEL.
11. PROVIDE RECEPTACLE AND DATA FOR CRADLE POINT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.
12. GFCI RECEPTACLE FOR SANITARY NAPKIN. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
13. RECEPTACLE FOR KITCHEN PRINTER. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
14. ROOFTOP UNITS RTU–2 (35MCA–208V–3 PH): PROVIDE A 50A–3P UNFUSED DISCONNECT SWITCH MOUNTED ON/AT UNIT AS REQUIRED. COORDINATE FINAL LOCATION IN FIELD. WIRING SHALL BE 3#8, 1#10 (G), 3/4"C. TO THE 40A–3P CIRCUIT BREAKER INDICATED ON DRAWING.
15. GFCI RECEPTACLE FOR TRASH. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
16. EXISTING 200 AMPS, 3–PHASE, 120/208V DISCONNECT SWITCH AND METER PROVIDED BY LANDLORD/PSE&G. E.C. TO VERIFY EXACT LOCATION & SPECIFICATIONS.

GENERAL POWER PLAN NOTES:

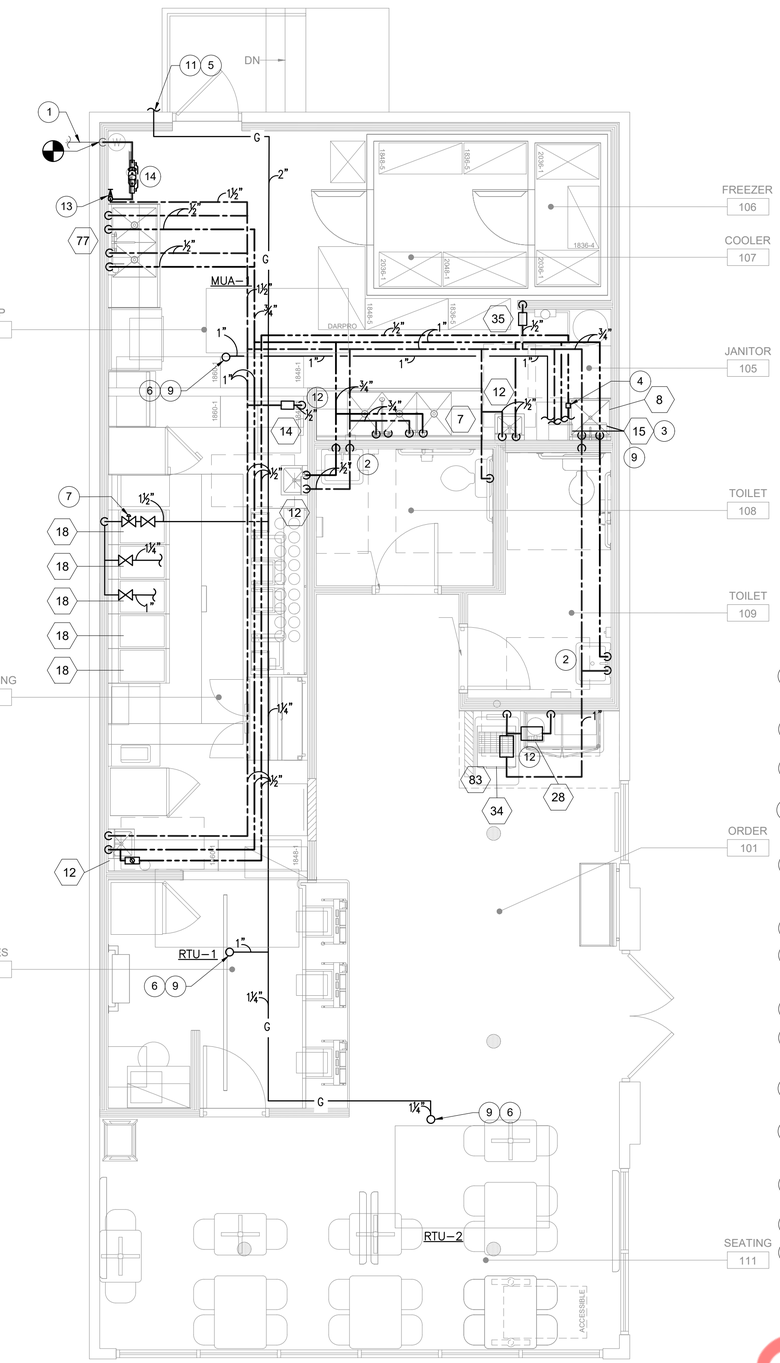
1. EXACT LOCATION OF MECHANICAL, PLUMBING, KITCHEN, FURNITURE SYSTEMS, OWNER FURNISHED EQUIPMENT ETC. THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL, PLUMBING, AND/OR ARCHITECTURAL DRAWINGS. COORDINATE EXACT LOCATIONS WITH RESPECTIVE CONTRACTORS AND/OR VENDORS PRIOR TO ANY ROUGH–INS.
2. REVIEW AND COORDINATE WITH ALL TRADES CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR EQUIPMENT WITH ELECTRICAL CONNECTIONS. COORDINATE EXACT MOUNTING LOCATIONS WITH THE SPECIFIC TRADE AND ARCHITECT.
3. MINIMUM CONDUCTOR SIZE FOR 120V BRANCH CIRCUITS SHALL BE 12–AWG. FOR 120V BRANCH CIRCUITS WITH HOMERUN OVER 100 LINEAR FEET, A MINIMUM WIRE SIZE OF 10–AWG SHALL BE PROVIDED FROM FIRST JUNCTION/OUTLET BOX TO BRANCH CIRCUIT PANELBOARD. FOR 120V BRANCH CIRCUITS WITH HOMERUN OVER 150 LINEAR FEET, A MINIMUM OF 8–AWG SHALL BE PROVIDED FROM FIRST JUNCTION/OUTLET BOX TO BRANCH CIRCUIT PANELBOARD.
4. ALL WIRINGS SHALL BE IDENTIFIED BY PANELBOARD AND CIRCUIT NUMBERS IN ALL CABINETS, JUNCTION BOXES, WIRING TROUGHS, ENCLOSURES, SPLICE OR TERMINATION POINTS, ETC.
5. A NEW TYPED PANELBOARD DIRECTORY CARD SHALL BE PROVIDED FOR ALL PANELS INSTALLED OR MODIFIED UNDER THIS CONTRACT. NEW DIRECTORY CARDS SHALL BE LOCATED ON THE INSIDE DOOR OF ASSOCIATED PANELS.



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



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

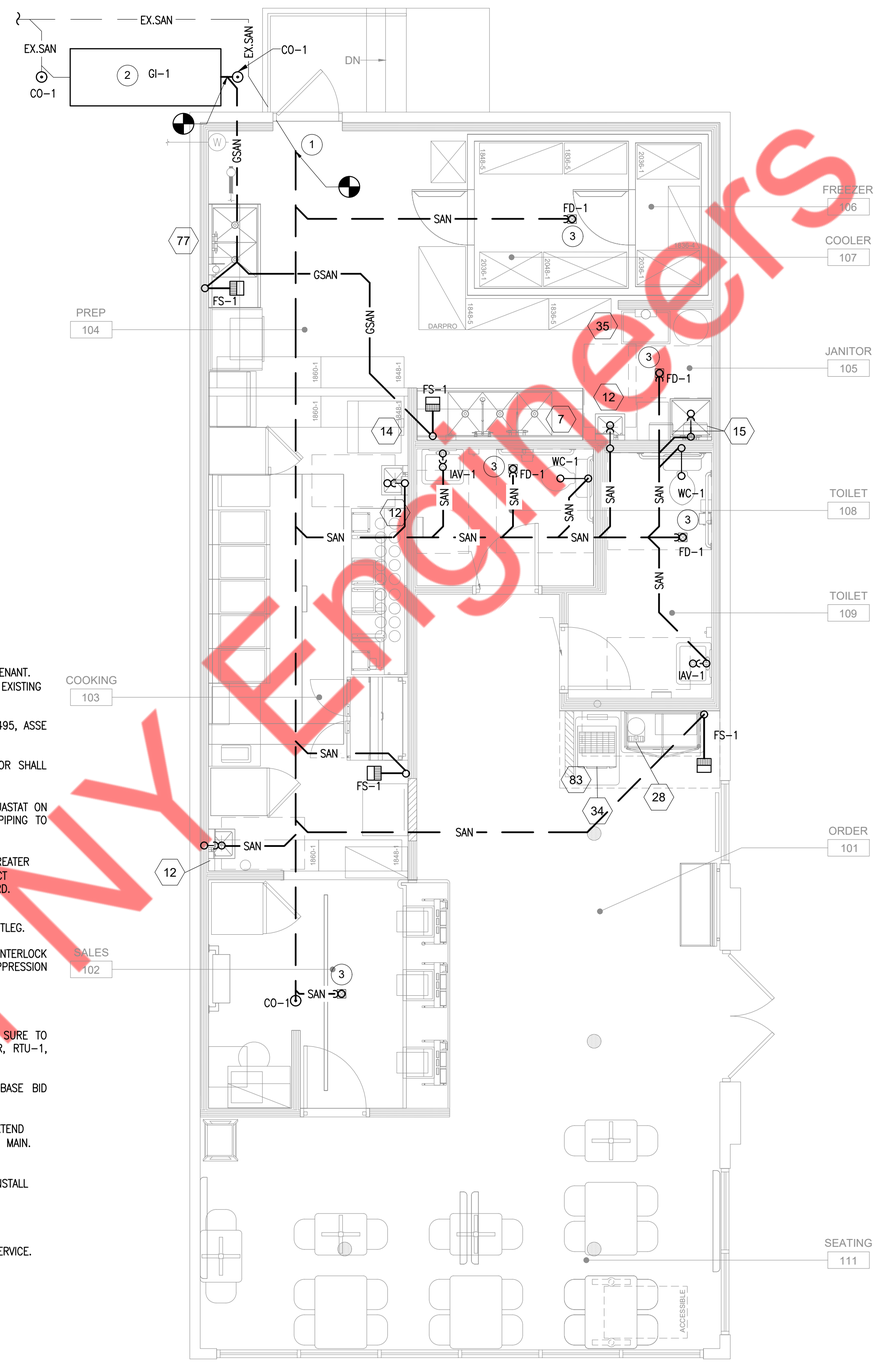


DOMESTIC WATER & GAS PIPING PLAN NOTES:

1. CONNECT NEW 1-1/2" CW TO EXISTING COLD WATER MAIN IN THIS AREA FOR TENANT. EXTEND NEW PIPING AS INDICATED. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING MAIN AND WATER METER. PROVIDE RPZ ON DOMESTIC WATER LINE.
2. PROVIDE A TEMPERING VALVE FOR LAVATORIES. POWER HYDROGUARD SERIES LM495, ASSE 1070 OR EQUAL. SET TEMPERATURE TO A MAXIMUM OF 110°F.
3. 1" CW/HW & GAS PIPING TO TANKLESS WATER HEATER. PLUMBING CONTRACTOR SHALL EXTEND WATER HEATER FLUE TO EXTERIOR PER MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE HOT WATER RECIRCULATION PUMP & STRAP ON AQUASTAT. INSTALL AQUASTAT ON FIXTURE FURTHEST AWAY FROM HOT WATER HEATER. EXTEND RECIRCULATION PIPING TO TANKLESS WATER HEATERS PER MANUFACTURER'S INSTRUCTIONS.
5. CONTRACTOR TO VERIFY IF EXISTING GAS METER'S CAPACITY IS EQUAL TO OR GREATER THAN 1400 CFH. IF NOT, REPLACE EXISTING GAS METER WITH NEW. VERIFY EXACT LOCATION IN FIELD. COORDINATE ALL WORK WITH UTILITY COMPANY AND LANDLORD. EXTEND NEW GAS PIPING UP TO ROOFTOP TO EQUIPMENT AS SHOWN.
6. EXTEND GAS LINE TO ROOFTOP UNITS. PROVIDE SHUTOFF VALVE, UNION AND DIRTLEG.
7. GAS DOWN TO SERVE KITCHEN EQUIPMENT. PROVIDE SOLENOID VALVE AND INTERLOCK WITH KITCHEN EXHAUST HOOD TO SHUTDOWN UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM. SEE DETAIL ON DRAWING #P-0.2 FOR ADDITIONAL INFORMATION.
8. 6"ø SODA LINE CONDUIT ABOVE CEILING. SEE SHEETS A2.0 & E0.01.
9. CONTRACTOR TO FIELD VERIFY EXISTING AVAILABLE GAS PRESSURE AND MAKE SURE TO PROVIDE ADEQUATE INLET PRESSURE REQUIRED FOR GAS FIRED WATER HEATER, RTU-1, RTU-2, MUA-1 AND GAS FRYER.
10. PROVIDE GAS BOOSTER PUMP IF INLET PRESSURE IS LESS THAN 7" W.C. BASE BID ACCORDINGLY.
11. CONNECT NEW 2" GAS TO EXISTING 2" GAS MAIN IN THIS AREA FOR TENANT. EXTEND NEW PIPING AS INDICATED. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING MAIN. PROVIDE PRV IF GAS PRESSURE EXCEEDS MAXIMUM REQUIRED GAS PRESSURE.
12. PROVIDE ¾" BFP BY WATTS MODEL SD-2. CONTRACTOR TO FIELD VERIFY AND INSTALL BFP AT AN ACCESSIBLE LOCATION.
13. 1-1/2" MOCV AND TEST TEE INSTALLED VERTICALLY
14. BACKFLOW PREVENTER 1-1/2" RPZ BY WATTS LF-009 FOR DOMESTIC WATER SERVICE.

1 DOMESTIC WATER & GAS PIPING PLAN

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



SANITARY PIPING PLAN NOTES:

1. CONNECT NEW 4" SANITARY TO EXISTING MAIN IN THIS AREA. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE, AND INVERT OF EXISTING SANITARY MAIN. SAWCUT AND TRENCH FLOOR AS REQUIRED AND PATCH FLOOR TO MATCH EXISTING.
2. EXISTING GREASE INTERCEPTOR, SCHIER GB-250, 100 GPM, 1895 LBS CAPACITY 4" INLET W/ FLOW CONTROL 1-1/2" VENT UP PROVIDED BY LANDLORD. FIELD VERIFY EXACT PLACEMENT OF GREASE TRAP AND COORDINATE WITH LANDLORD FOR DETAILS.
3. 3" FLOOR DRAIN. PROVIDE WATERLESS SURESEAL TRAP SEALER FOR FLOOR DRAIN. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.

2 SANITARY PIPING PLAN

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

GAS PIPING SIZING CHART - LOW PRESSURE										
EQUIVALENT LENGTH	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
100'	CFH	131	273	514	1,060	1,580	3,050	4,860	8,580	17,500
125'	CFH	116	242	456	936	1,400	2,700	4,300	7,610	15,500
150'	CFH	105	219	413	848	1,270	2,450	3,900	6,890	14,100
175'	CFH	96	202	380	780	1,170	2,250	3,590	6,340	12,900
200'	CFH	90	188	353	726	1,090	2,090	3,340	5,900	12,000
250'	CFH	80	166	313	643	964	1,860	2,960	5,230	10,700
INLET PRESSURE = LESS THAN 2.0 PSI PRESSURE DROP = 3" W.C. INITIAL SUPPLY PRESSURE OF 8" INCH W.C. OR GREATER										