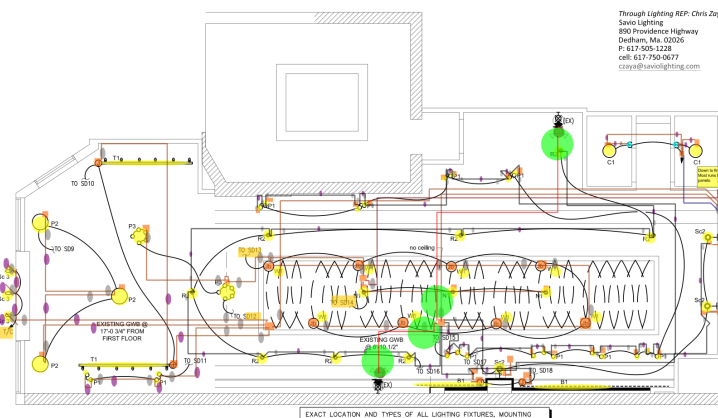


Through Lighting REF. Chris Zoya
 Slave Lighting
 800 Providence Highway
 Dedham, MA 02025
 P. 617-505-1228
 cell: 617-750-0477
 czoza@zoyalighting.com

TYPE	MANUFACTURER	CATALOG NUMBER	QTY*	VOLT	LAMP	DESCRIPTION	
R1	WAC	4" Recessed Downlight, step baffle White	R-420-WT-WT	-	7W PAR30LED, 3000K DIMMABLE	RECESSED DOWNLIGHT, WHITE TRIM 3.34" APERTURE CONE REFLECTOR TRIM	By G.C.
R2	WAC	6" Recessed Downlight, step Baffle White	R-602D-AH-CA	-	13W PAR30 LED, 3000K DIMMABLE	RECESSED DOWNLIGHT, WHITE TRIM 5" APERTURE CONE REFLECTOR TRIM	By G.C.
F1	LIGHTOLIER	417-SR	2 LAMPS, TS	-	-	2x4' FLUORESCENT FIXTURE, PRISMATIC 3 LAMPS	By G.C.
F2	LIGHTOLIER	417-SR	2 LAMPS, TS	-	TS, 2700K MAX	2x4' FLUORESCENT FIXTURE, PRISMATIC 3 LAMPS	By G.C.
N1	NORA	NORA	-	-	PAR30LED, 2700K DIMMABLE	PENDANT CYLINDER, BLACK	By G.C.
P1	ARTCRAFT	AC1057VB Jersey	1 Light Vintage Brass	-	"EDISON" LED bulb	PENDANT, BLACK CORD	By G.C.
P2	*Lighting by Design	Custom Drum pendant - shade with a cluster of bulbs & bottom diffuser	-	-	LED BULB, DIMMABLE	PENDANT, WHITE SHADE, BLACK CORD	By Owner
P3	ARTCRAFT	AC1057VB Jersey	5 Light Vintage Brass Chandelier	-	LED BULB, DIMMABLE	PENDANT, BLACK CORD COLOR: S1 ARCHITECTURAL BRONZE	By G.C.
C1	METALUX	AP Series, FM 12" diam, LED	-	-	-	-	By G.C.
T1	WAC	WAC line voltage WHITE track with: Radiant 774" JTK - JUZ WHITE	-	-	13W PAR30 LED, 3000K DIMMABLE	WALL WASHER, TRACK LIGHTING	By G.C.
W1	SAVED LIGHTING	TEBET "48" STRING LIGHT 15 SOCKETS CORD SET E26	-	-	LED BULB, DIMMABLE	STRING LIGHTS HARD WIRED INDIVIDUAL RUNS OF 30' SR. MAX.	By G.C.
S2	SCHOOLHOUSE ELECTRIC	SATELITE SCIENCE, BLACK	-	-	7W PAR20LED	DECORATIVE SCIENCE	By G.C.
B1	TBD	-	-	-	LED 2700K MAX	COVE LIGHTING (PROPE) BY GC BEHND. SANJULIETTE BACK	By G.C.
B-K LIGHTING OR BASELINE	Sign Star™ Style C Solid State (BKSSLR) Series: SN	-	-	-	-	-	By G.C.
EX-1	EXISTING TRACK - TO RE-USE; REPLACE BULBS WITH NEW LED BULBS	-	-	-	-	-	By G.C.



Proposed 2nd Floor Lighting Plan
 1/4" = 1'-0"

UNLESS NOTED OTHERWISE ALL WIRING SHALL BE #12 CU. AND TIED FROM PANEL BY MR. ZWOYER. C.B. CIRCUITS LONGER THAN 100FT SHALL BE #10 CU.

NO EXPOSED WIRING IS ALLOWED. ALL CONCEALED WIRING SHALL BE IN "IN" ALL WIRING IN BLOCK WALLS SHALL BE CONCEALED, RUN IN CONDUIT.

EXACT LOCATION AND TYPES OF ALL LIGHTING FIXTURES, MOUNTING HEIGHTS AND MOUNTING OF WALLS SHALL BE COORDINATED WITH ARCHITECTURE, REFLECTED CEILING PLANS AND ANY CONFLICTS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION PRIOR TO ANY WORK DONE. OBTAIN LATEST COPY OF THE CEILING PLAN FROM ARCHITECT PRIOR TO ANY WORK DONE.

TO MEET 780 CMR 130B.2.1 CONTRACTOR SHALL PROVIDE IN EACH SPACE (EXCEPT CORRIDORS, BATHROOMS AND UTILITY/MECHANICAL ROOMS) CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTS IN THE SPACE. INSTALL SELF CONTAINED TYPE OF RELAY TYPE CEILING MOUNT SENSORS AS REQUIRED TO MATCH LOAD AND VOLTAGE CHARACTERISTICS. LOCATE SENSOR IN CEILING AWAY FROM THE DOOR NOT TO PICK UP NEUTRAL CURRENT.

IN AREAS WHERE FIXTURES ARE MOUNTED INTO INSULATED CEILING, THIS CONTRACTOR SHALL PROVIDE HOODS, 3" LARGER THAN FIXTURES TO KEEP INSULATION AWAY FROM THE FIXTURES AND TO MAINTAIN INSULATION INTEGRITY OF THE CEILING. SEE ARCHITECTURAL DRAWINGS FOR AREAS WHERE THESE HOODS MAY BE REQUIRED.

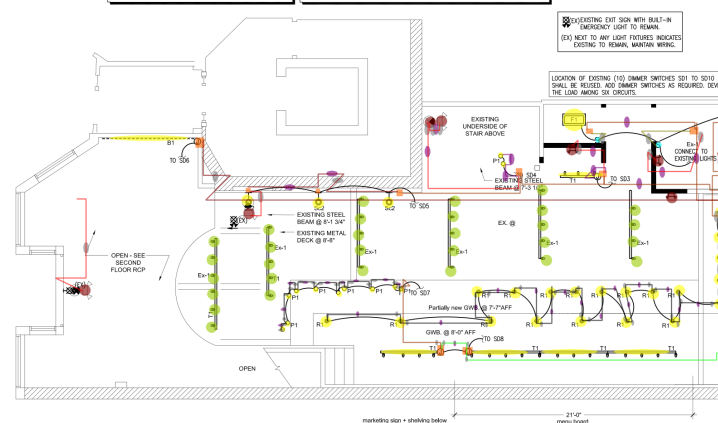
TYPE	MANUFACTURER	CATALOG NUMBER	VOLT	LAMP	DESCRIPTION
EMERG-LIFE	PRODOM	120	120	-	EMERGENCY LIGHT WITH BUILT-IN BATTERY
EMERG-LIFE	LEEDP/N/2R	120	120	-	EXIT SIGN

CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERIES TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY CONTROLS TYPICAL FOR ALL AREAS.

EXISTING EXIT SIGN WITH BUILT-IN BATTERY TO REMAIN

DO NOT TO ANY LIGHT FIXTURES INDICATES EXISTING TO REMAIN, WOODEN WIRING.

LOCATION OF EXISTING (10) DIMMER SWITCHES TO 2010 SHALL BE RESEED. ADD DIMMER SWITCHES AS REQUIRED ABOVE THE LINE, ABOVE OR CIRCLES.



Proposed 1st Floor Lighting Plan
 1/4" = 1'-0"

SYMBOL LIST

- CEILING MOUNTED LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE.
- 2X2 OR 2X4' FLUORESCENT LIGHT FIXTURE.
- 1/4" FLUORESCENT WALL/CEILING MOUNTED LIGHT FIXTURE.
- SINGLE POLE LIGHT SWITCH
- THREE-WAY LIGHT SWITCHES
- DIMMER SWITCH MINIMUM 1000M OR AS REQUIRED PER CIRCUIT
- DUPLEX RECEPTACLE, 120V/15' AFF.
- DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER 8" ABOVE COUNTER TO CL
- 120V DOUBLE DUPLEX CONVENIENCE RECEPTACLE
- DUPLEX RECEPTACLE ABOVE COUNTER, 8" ABOVE COUNTER TO CL
- 200V RECEPTACLE, AMPERE AS STATED.
- TELEPHONE/DATA OUTLET, COMPLETE W/JACK AND COVER, HEIGHT AT 18" TO C AFF.
- CABLE TV OUTLET, COMPLETE W/JACK AND COVER, HEIGHT AT 18" TO C AFF.
- MOTOR
- FUSED DISCONNECT SWITCH, (3R RAIN-PROOF).
- STARTER
- SYSTEM TYPE SMOKE DETECTOR
- DUCT SMOKE DETECTOR W/REMOTE TEST SWITCH
- HEAT DETECTOR
- FIRE ALARM PULL AND A/V DEVICE
- FIRE ALARM PULL STATION CENTERLINE 4'-0" AFF
- FIRE ALARM AUDIO/VISUAL UNIT, WTD. 6'-8" AFF
- FIRE ALARM LIGHT, WTD. 6'-8" AFF
- CO DETECTOR
- TYPICAL WIRING, DIAGONAL LINE INDICATES QUANTITY OF CONDUCTORS.
- HOWEVER TO PANEL WITH CONDUCTOR (HOT, NEUTRAL, GROUND)
- JUNCTION BOX
- LIGHTING & POWER PANEL, RECESSED
- FIRE ALARM CONTROL PANEL.
- TAMPER SWITCH
- FLOW SWITCH
- RACEWAY CONCEALED IN CEILING, PLUMB OR WALLS
- RACEWAY CONCEALED IN SLAB (FLOOR)
- TIME SWITCH
- UNIVERSAL MOUNTING EXIT SIGN (DOUBLE FACED), ARROWS AS INDICATED.
- EMERGENCY LIGHT WITH BUILT-IN BATTERY
- OCCUPANCY SENSOR

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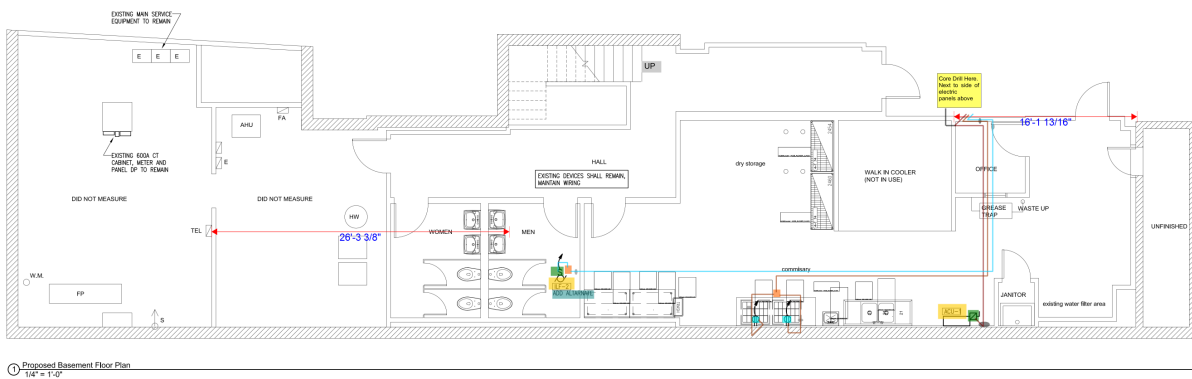
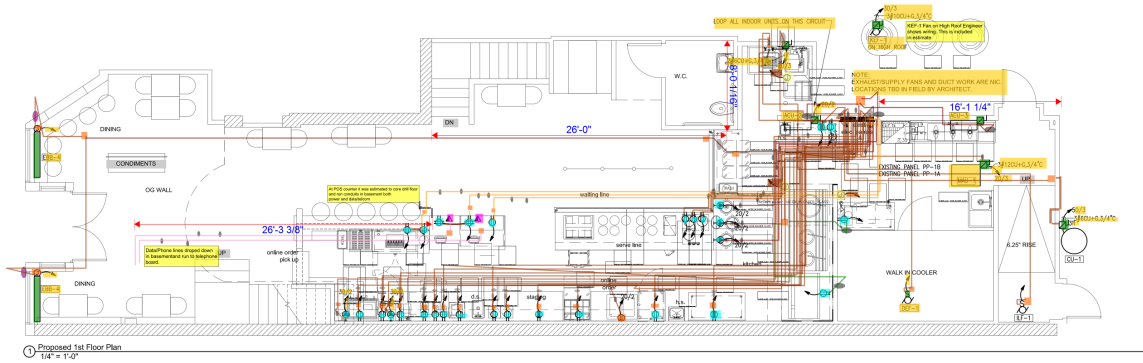
OWNER
 BANK AMERICA, INC.
 100 State Street
 Boston, MA 02110

PROJECT NAME
Original Grain
 93 Summer Street, Boston, MA 02110

SHEET NAME
First and Second Floor Lighting Plans

ISSUE DATE: 04-14-17
 SCALE: As Indicated
 DRAWN BY: MJP
 PROJECT #: 2017-00A

SHEET NUMBER
E1.1



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NO.	DATE	DESCRIPTION
1		ISSUE

SCALE
AS SHOWN

ISSUE DATE: 04-14-17
SCALE: As Shown
DRAWN BY: MP
PROJECT #: 2017-00A

SHEET NUMBER
E1.2

KITCHEN EQUIPMENT WIRING NOTES

1. ALL HOMEWORK SHALL BE IN EMT WITH GREEN GROUND WIRING. ALL WIRING SHALL BE IN PVC SCHEDULE 40 FINAL CONDUIT FROM WALL JUNCTION BOX TO KITCHEN EQUIPMENT SHALL BE WITH LIQUID TITE FLEX.
2. EXACT AND FINAL LOCATIONS OF ALL KITCHEN EQUIPMENT SHALL BE COORDINATED WITH THE LATEST KITCHEN EQUIPMENT UTILITY CONNECTION PLANS AND EQUIPMENT CUES. OBTAIN THE LATEST KITCHEN SUPPLIER DRAWINGS FROM THE ARCHITECT PRIOR TO ANY ROUGHING-IN.
3. ANY RELOCATION OF ANY EQUIPMENT WITHIN 15'-0" IN PLAN RADII OF ORIGINAL LOCATION PRIOR TO ROUGHING-IN, IF REQUESTED BY THE ARCHITECT SHALL BE EXECUTED BY E.C. AT NO ADDITIONAL COST.
4. ALL ROUGHING-IN HEIGHTS SHALL BE COORDINATED WITH THE KITCHEN EQUIPMENT SUPPLIER.
5. ALL RECEPTACLES AND LIGHT SWITCHES LOCATED IN THE KITCHEN SHALL HAVE SMOOTH STAINLESS STEEL FACE PLATES.
6. GC SHALL BE RESPONSIBLE FOR SETTING THE EQUIPMENT IN PLACE. EC SHALL WIRE FROM WALL OUTLET TO A BOX ON THE UNIT.
7. ALL RECEPTACLES IN THE KITCHEN AREA SHALL HAVE GFI PROTECTION.
8. ALL CIRCUITS SERVING EQUIPMENT LOCATED UNDERNEATH THE HOOD SHALL HAVE SLANT TRIP BREAKERS INTERLOCK WITH THE ANSUL SYSTEM.
9. PROVIDE POWER AND INTERLOCK WIRING FOR GAS SHUT-OFF SOLENOID VALVE AND ANSUL SYSTEM.
10. PROVIDE STARTER AND INTERLOCK WIRING FOR HOOD EXHAUST MAKE-UP AIR UNIT AND ANSUL SYSTEM. UPON ANSUL ACTIVATION MAKE-UP AIR UNIT WILL SHUT DOWN AND EXHAUST FAN WILL CONTINUE TO OPERATE. IF THE SYSTEM IS OFF, EXHAUST FAN WILL START TO RUN.
11. EC SHALL WIRE ALL MISCELLANEOUS EQUIPMENTS NORMALLY PART OF THE KITCHEN EQUIPMENT INCLUDING BUT NOT LIMITED TO: DISPOSER AND WIRING FOR SECONDARY KITCHEN SWITCH FOR DISPOSER AND WIRING FOR SECONDARY VALVE. INTERLOCK SWITCH CONTROL WIRING BETWEEN WALK-IN CONDENSER AND EVAPORATOR. CIRCUITRY FOR FREEZER CONDENSATE DRAIN HEAT TRACE. OPERATE REMOTE ON/OFF SWITCH FOR HOOD VENTILATION SYSTEM CONTROL. PROVIDE ON/OFF SWITCH FOR HOOD LIGHTS.
12. PROVIDE ANSUL CONNECTION TO FIRE ALARM CONTROL PANEL.
13. PROVIDE CARBON MONOXIDE DETECTOR NEAR HOOD AT CEILING. CARBON MONOXIDE DETECTOR SHALL BE INTERLOCKED WITH GAS SHUT-OFF VALVE TO CLOSE UPON ACTIVATION OF DETECTOR.
14. GAS SHUT OFF VALVE SHALL ALSO BE INTERLOCKED WITH EXHAUST FAN TO SHUT OFF WHEN FAN IS OFF.
15. CARBON MONOXIDE DETECTOR SHALL BE TIED TO FIRE ALARM CONTROL PANEL FOR SUPERVISOR.

DEMOLITION NOTES

1. Electrical contractor shall be responsible for all electrical demolition, removal and disposal of hazardous and non-hazardous material complete. To identify the scope of demolition, prior to bidding, electrical contractor shall visit the site and make himself familiar with the site conditions, scope of systems to be demolished.
2. In general demolition work is shown on Architectural Demolition Floor Plans. Electrical Contractor shall be responsible for complete removal of all wiring and raceways for the parts of the system which indicated obsolete by this renovation.
3. Major Demolition components are as follows:
 - a. Removal of complete or partial lighting fixtures.
 - b. Removal of emergency lighting fixtures for demolition.
 - c. Removal of fire alarm devices for demolition or re-location.
 - d. Removal of all exposed wiring for the above listed systems.
4. Pay maximum attention not to damage any remaining system and wiring in the space. Coordinate demolition work with the work of other disciplines.
5. Maintain power to all remaining devices. If needed re-wire outlets to nearest receptacle circuit.
6. Provide plastic bags for all fixtures with open reflectors to prevent dusting during demolition.
7. All circuits passing through the new openings for the new windows or doors shall be re-routed as needed.
8. Any existing equipment which is to remain and made "dead" by removal on an adjacent device shall be fed from the nearest source.
9. The procedure involved in the removal of equipment and materials shall not cause any weakening of existing structure members or bearing walls, equipment and materials removed from walls scheduled to remain, shall be accompanied with minimal damage to said walls.

LOCATION OF ALL MECHANICAL EQUIPMENTS AND ELECTRICAL CHARACTERISTICS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR PRIOR TO ANY WORK DONE. ALL EQUIPMENT RELATING TO MECHANICAL COMPONENTS SHALL BE ORDERED ONLY AFTER THE APPROVAL OF MECHANICAL EQUIPMENT SHOP DRAWINGS

UNLESS NOTED OTHERWISE ALL WIRING SHALL BE #12AWG, CU, AND FED FROM PANEL PP VIA 20A/1P C.B. CIRCUITS LONGER THAN 100FT SHALL BE #10 CU

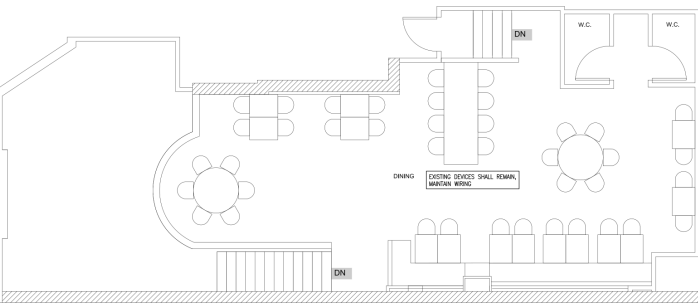
NO EXPOSED WIRING IS ALLOWED, ALL CONCEALED WIRING SHALL BE IN "MC". ALL WIRING IN BLOCK WALLS SHALL BE CONCEALED, RUN IN CONDUIT.

WIRING IN ALL EXPOSED AREAS SHALL BE IN METALLIC RACEWAYS AS WIREMOLD OR EQUAL. RACEWAYS SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. SURFACE RACEWAYS SHALL CLOSELY FOLLOW THE SURFACE AND WRAP AROUND THE BEAMS AS REQUIRED. PRIOR TO ANY INSTALLATION, SUBMIT LAYOUT SKETCH INDICATING PROPOSED ROUTING FOR APPROVAL. ARCHITECT HAS THE RIGHT TO MODIFY OR CHANGE LAYOUT AS NEEDED. ANY CHANGES PRIOR TO ANY INSTALLATION SHALL BE AT NO CHANGE TO CONTRACT PRICE.

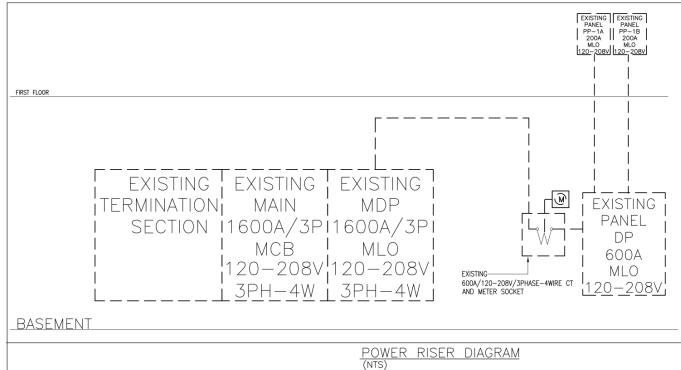
TELE/DATA OUTLET
TEL OUTLET
EC SHALL WIRE EACH OUTLET HOME RUN 4 PAIR CAT 6 CLP FOR TEL AND 4 PAIR CAT 6 CLP FOR DATA TO TELEPHONE TERMINATION BOARD. TERMINATE AT TWO SEPARATE PUNCH DOWN BLOCKS. ALL WIRING AND TERMINATION'S SHALL BE PER CAT 5E SPECIFICATIONS. ALL WIRES SHALL BE PROPERLY LABELED AND RINGED OUT. KEEP WIRES MINIMUM 18" FROM ANY POWER FEEDS OR FIXTURE BALLASTS

ELECTRIC HEATER SCHEDULE

TYPE	KW	VOLT/PH	WIRE	MODEL NUMBER
EBB-4	1	120/1	#12	200V/1P/100A-2514W



Proposed 2nd Floor Plan
1/4" = 1'-0"



PANEL SCHEDULE

ITEM	VOLT/PHASE/WIRE	M.D.	MCB	CIRCS	F-Panel S/S	F-Panel B/B	BRANCH BREAKERS	SFC-SPACE	SFC-SPACE
EXISTING PANEL DP	120-208/3/4	600	-	36	S	B	(2)200/3, (1)150/3, (1)125/3, (1)80/3, (1)40/2, (1)620/1, (3)5PC		
EXISTING PANEL PP-1A	120-208/3/4	200	-	42	F	B	(2)20/3, (1)30/2, (4)20/2, (2)30/1 (DELETE), (1)120/1/3B8 AND ADD (1)50/3, (1)30/3, (1)20/3, (1)20/2 CBS		
EXISTING PANEL PP-1B	120-208/3/4	200	-	42	F	B	(1)40/2, (3)20/2, (2)30/1, (7)5PC, ADD (2)30/2, (1)60/3 CBS		

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DATE
1/18/17

SCALE
As Indicated

ISSUE DATE
04/14/17

SCALE
As Indicated

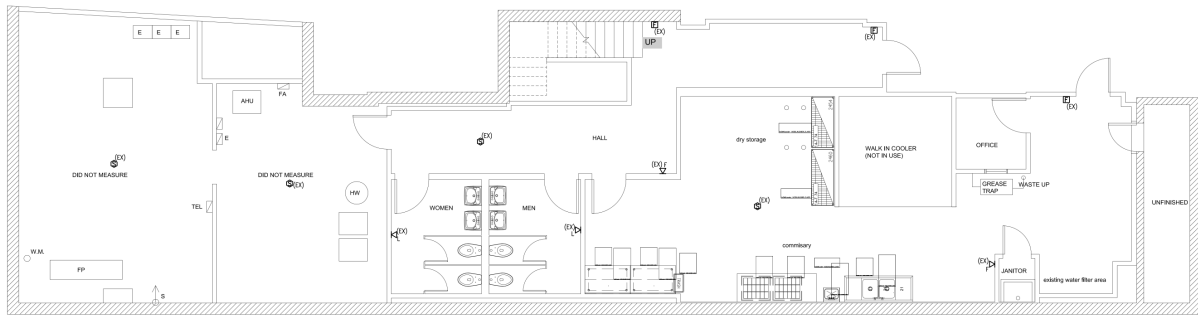
DRAWN BY
MP

PROJECT #
2017.00A

SHEET NUMBER
E1.3



1 Proposed 1st Floor Plan
1/4" = 1'-0"



2 Proposed Basement Floor Plan
1/4" = 1'-0"

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NO.	DATE	DESCRIPTION
1		

SCALE

Basement and First Floor Fire Alarm Plans

SHEET NAME

ISSUE DATE: 04-14-17
SCALE: As Indicated
DRAWN BY: MKP
PROJECT #: 2017-00A

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FA1.1