

FROM: ANTINOZZI ASSOCIATES
271 FAIRFIELD AVENUE
BRIDGEPORT, CT 06604

TO: ALL BIDDERS

RE: JOB NO. 14046
TOWN OF TRUMBULL
MARY J. SCHERLACH COUNSELING CENTER
RENOVATIONS & ALTERATIONS
121 OLD MINE ROAD, TRUMBULL, CT

SUBJECT: ADDENDUM NO. 1

DATE: OCTOBER 20, 2014

This Addendum shall be part of the Contract Documents for the referenced Bid. The Addendum is to acknowledge by the bidder on the Bid Form.

The following ADDENDUM is issued to clarify items appearing either in the specifications or on the Drawings, said items having been called to the attention of the Architect by one or more of the Contractors estimating the work:

The Specifications and / or drawings are amended as follows:

1. SPECIFICATIONS – SECTION 16010 GENERAL PROVISIONS FOR
ELECTRICAL WORK

- A. Clarification – Electrical wiring above accessible suspended ceilings must be MC Cable, however all other electrical wiring can be Romex Cable installed in compliance with the current National Electrical Code.

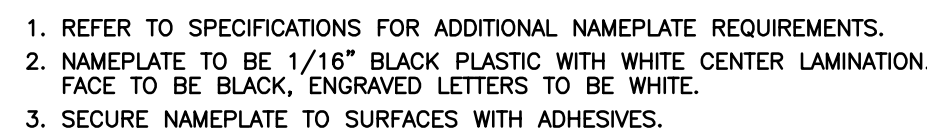
2. DRAWINGS – INFO - 1

- A. Wall Types – All fire rated partitions to receive fire rated sealant at entire perimeter of wall on both sides and at all penetrations on both sides. All walls with sound attenuation blankets to receive acoustical sealant at entire perimeter of wall on both sides and at all penetrations on both sides.

3. DRAWINGS – E-1, E-3, E-4

- A. Refer to three (3) attached revised drawings dated Revision #1 – 10-20-14.

END OF ADDENDUM NO. 1



TYPICAL NAMEPLATE DETAIL
NTS



LEGEND

- ① NEW AERIAL SERVICE CONDUCTORS BY UNITED ILLUMINATING COMPANY.
- ② 3 #3/0 - 2" RGS CONDUIT MAST WITH WEATHERHEAD.
- ③ NEW 200A-10 METER SOCKET WITH UTILITY REVENUE METER PER UNITED ILLUMINATING COMPANY SPECIFICATIONS.
- ④ 3 #3/0 - 2" CONDUIT.
- ⑤ 1 #4 - 3/4" CONDUIT.
- ⑥ 5/8" DIA. x 8' COPPERCLAD GROUND RODS (2).
- ⑦ 1 #4 Cu COLD WATER SERVICE GROUND.
- ⑧ NEW 2 CHANNEL DIGITAL ASTRONOMICAL TIMESWITCH, TORK #DZS200A
- ⑨ NEW SITE LIGHTING PHOTOCELL, TORK #2101

Name: LP			10K A/C				TS - CIRCUIT THRU TIMESWITCH GFCI - GFCI CIRCUIT BREAKER			
Voltage: 120/240V-1ø, 3W										
200A-2P MCB			MOUNTING: SURFACE							
OUT	WIRE NO SIZE	LOAD DESCRIPTION	LOAD VA	BREAKER P AMP	PHASE A	B	LOAD VA	LOAD DESCRIPTION	WIRE NO SIZE	
1	12	LTG - BASEMENT	500	1	20	1300	2	1	800	
2	12	LTG - FIRST FLOOR	800	1	20	1300	2	1	500	
3	12	LTG - EXTERIOR	250	1	20	450	2	1	200	
7	12	REC - EXTERIOR	400	1	20	1200	2	1	800	
9	12	LTG - FIRST FLOOR	600	1	20	1200	2	1	600	
11	12	REC - RECEPTION 101	1000	1	20	1800	2	1	800	
13	12	REC - REFRIGERATOR	500	1	20	1100	2	1	600	
15	12	REC - WORK ROOM COUNTER	1200	1	20	2200	2	1	1000	
17	12	REC - WORK ROOM COUNTER	1200	1	20	1700	2	1	500	
19	12	REC - WORK ROOM MICROWAVE	1500	1	20	2300	2	1	800	
21	12	REC - CORR 200, STORAGE	800	1	20	1800	2	1	1000	
23	12	FIRE ALARM CONTROL PANEL	200	1	20	400	2	1	200	
25	12	SECURITY SYSTEM CONTROL PANEL	200	1	20	200	2	1	SPARE	
27		SPARE	1	1	20	20	2	1	SPARE	
29		SPARE	1	1	20	20	2	1	SPARE	
31		SPARE	1	1	20	20	2	1	SPARE	
33		SPARE	1	1	20	20	2	1	SPARE	
35		SPARE	1	1	20	20	2	1	SPARE	
37	10	OUTDOOR CONDENSING UNIT	2772	2	30	4022	2	2	1250	
39	10		2772	2		4022	2	2	1250	
CONNECTED PHASE LOADS:					7650	9100				

ELECTRIC SERVICE LOAD CALCULATIONS			
LOAD TYPE:	CONNECTED VOLT-AMPS	DEMAND FACTOR	DEMAND VOLT-AMPS
LIGHTING:	2,650	x 125% =	3,313
RECEPTACLES:			
1st 10,000:	10,000	x 100% =	10,000
REMAINDER:	3,200	x 50% =	1,600
CONTINUOUS:	650	x 125% =	813
AIR CONDITIONING:	5,544	x 100% =	5,544
WATER HEATER:	2,500	x 100% =	2,500
LARGEST MOTOR:	5,544	x 25% =	1,386
TOTAL:	30,089A		25,156B
TOTAL DEMAND AMPS:		25,156VA / 240V = 105A	

GENERAL NOTES

1. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATION OF ALL LIGHTING FIXTURES, OUTLETS, SWITCHES, DEVICES, EQUIPMENT, ETC. MUST BE TAKEN FROM FINAL DETAILED ARCHITECTURAL DRAWINGS. SECURE OWNERS APPROVAL OF ALL CHANGES IN LOCATION.
2. ALL EXPOSED AND UNDERGROUND EXTERIOR RACEWAYS SHALL BE PVC SCH.40.
3. ALL MATERIALS SHALL BE NEW AND UL LISTED AND LABELED.
4. ALL RECEPTACLES AND LIGHT SWITCHES SHALL BE WHITE IN COLOR, WHITE THERMOPLASTIC COVER PLATES, UNLESS NOTED OTHERWISE.
5. WHERE WIRE SIZES ARE INDICATED ON THE PLANS FOR INDIVIDUAL CIRCUITS, THE INDICATED SIZE SHALL APPLY TO THE COMPLETE CIRCUIT UNLESS OTHERWISE NOTED. ALL BRANCH CIRCUIT WIRING SHALL BE NEW, EXISTING WIRING SHALL NOT BE REUSED AND SHALL BE COMPLETELY REMOVED.
6. SEE MECHANICAL PLANS AND VERIFY WITH MANUFACTURER FOR EXACT LOCATIONS OF ALL MOTORS AND OTHER EQUIPMENT BEFORE ROUGH-IN.
7. CONDUIT RUNS ARE SHOWN SCHEMATICALLY. BUILDING CONDITIONS WILL DETERMINE ACTUAL CONDUIT RUN.
8. ALL BOXES TO BE PROPERLY AND SECURELY MOUNTED TO PROVIDE A SOLID BACKING FOR DEVICES, EQUIPMENT, ETC.
9. HOMERUNS AND BRANCH CIRCUIT WIRING:

<u>240V</u>		
<u>LENGTH</u>	<u>HOMERUN</u>	<u>CIRCUIT</u>
0 TO 100	12 AWG	12 AWG
101 TO 200	10 AWG	10 AWG
201 TO 300	8 AWG	8 AWG

10. ALL ELECTRICAL DEVICES ALONG A COMMON WALL SHALL BE INSTALLED IN SEPARATE STUD CAVITIES, 6" MINIMUM SEPARATION. NO BACK TO BACK INSTALLATIONS, FOR SOUND ATTENUATION PURPOSES.
11. ALL TELEPHONE AND DATA JACKS, DEVICES, FACEPLATES AND CABLING SHALL BE FURNISHED, INSTALLED AND TESTED BY OWNERS VENDORS. ELECTRICAL CONTRACTOR SHALL COORDINATE/COOPERATE WITH VENDOR FOR INSTALLATION OF THESE SYSTEMS DURING CONSTRUCTION.
12. BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE SITE AND SURVEY EXISTING CONDITIONS UNDER WHICH HIS WORK WILL BE INSTALLED. ALL NEW EQUIPMENT AND SYSTEMS SHALL BE FULLY OPERATIONAL BEFORE THIS PROJECT IS CONSIDERED COMPLETE.
13. UNITED ILLUMINATING COMPANY HAS BEEN CONTACTED AND NOTIFIED OF ELECTRICAL SERVICE UPGRADE. UI CONTACT: DOMINIC YACOBINO, 203.499.5977.
14. EXISTING SECURITY SYSTEMS DEVICES BEING REMOVED SHALL BE TURNED OVER TO OWNER. OWNER SHALL RETURN ALL SECURITY SYSTEMS DEVICES, WIRING AND INSTALLATION SHALL BE BY OWNERS VENDOR UNLESS NOTED OTHERWISE.

ABBREVIATIONS

AC	AMPERE		– SAFETY DISCONNECT SWITCH – NEMA 3R ENCLOSURE
ADA	ABOVE COUNTER		– DOOR CHIME PUSH-BUTTON
AFCI	AMERICANS WITH DISABILITIES ACT		– DOOR CHIME
AFF	ARC FAULT CIRCUIT INTERRUPTER		– NEW LOAD CENTER
AFG	ABOVE FINISHED FLOOR		– HOMERUN TO PANEL 'LP'
AHU	ABOVE FINISHED GRADE		– CONDUIT AND WIRE. CROSS LINES INDICATE NUMBER OF CONDUCTORS. INSULATED GROUND REQUIRED BUT NOT SHOWN.
AWG	AIR HANDLING UNIT		– EQUIPMENT CONNECTION
C	CIRCUIT BREAKER		– NEW 3/4" PLYWOOD EQUIPMENT BACKBOARD
CATV	CONDENSING UNIT		– MOTOR
CB	FAN/LIGHT UNIT		– FIRE MANUAL PULL STATION, 48" AFF
CU	GAS FURNACE		– EXISTING FIRE ALARM SMOKE DETECTOR
FL	GROUND FAULT CIRCUIT INTERRUPTER		– NEW/RELOCATED FIRE ALARM SMOKE DETECTOR
GF	GROUND		– EXISTING FIRE ALARM HEAT DETECTOR
GFCI	GROUND		– NEW/RELOCATED FIRE ALARM HEAT DETECTOR
G, GND	HORSEPOWER		– FIRE ALARM HORN /ADA STROBE UNIT, MOUNTED 80" AFF TO BOTTOM OF UNIT.
HP	KILO–VOLTAMPERE		– FIRE ALARM ADA STROBE UNIT, MOUNTED 80" AFF TO BOTTOM OF UNIT.
KVA	KILOWATT		– CALL–FOR–AID SYMBOL
KW	MINIMUM CIRCUIT AMPACITY		– CALL–FOR–AID SYMBOL
MCA	MAIN CIRCUIT BREAKER		– CALL–FOR–AID SYMBOL
MCB	MAIN LUGS ONLY		– CALL–FOR–AID SYMBOL
MLO	MAXIMUM OVERCURRENT PROTECTION		– CALL–FOR–AID SYMBOL
MOC	NEUTRAL		– CALL–FOR–AID SYMBOL
N	NATIONAL ELECTRICAL CODE		– CALL–FOR–AID SYMBOL
NEC	NOT TO SCALE		– CALL–FOR–AID SYMBOL
NTS	ON CENTER		– CALL–FOR–AID SYMBOL
OC	POLE		
P	PHASE		
PH, Ø	UNITED ILLUMINATING COMPANY		
UI	UNDERWRITERS LABORATORIES		
UL	UNLESS OTHERWISE NOTED		
UON	VOLT		
V	VOLT–AMPERE		
VA	WATT		
W	WATER HEATER		
WH	WEATHERPROOF		
WP			

ELECTRICAL SYMBOLS

- A – 4' FLUORESCENT LUMINAIRE WITH TYPE DESIGNATION
 B – SURFACE MOUNTED LIGHTING FIXTURE WITH TYPE DESIGNATION
 D – 2' X 4' FLUORESCENT TROFFER WITH TYPE DESIGNATION
 F – RECESSED DOWNLIGHT WITH TYPE DESIGNATION
 H – WALL MOUNTED LIGHTING FIXTURE WITH TYPE DESIGNATION
 E – SELF-CONTAINED EMERGENCY LIGHTING UNIT WITH TYPE DESIGNATION
 X – EMERGENCY EXIT SIGN WITH TYPE DESIGNATION
 XE – COMBINATION EXIT SIGN/ EMERGENCY EXIT SIGN WITH TYPE DESIGNATION
 S – SINGLE POLE TOGGLE SWITCH, 48" AFF
 S₃ – THREE-WAY TOGGLE SWITCH, 48" AFF
 S₀ – SINGLE POLE WALL SWITCH OCCUPANCY SENSOR, 48" AFF. SENSORSWITCH #WSD
 S_∞ – TWO POLE WALL SWITCH OCCUPANCY SENSOR, 48" AFF. SENSORSWITCH #WSD-2P
 S_P – SINGLE POLE TOGGLE SWITCH WITH RED PILOT LAMP, 48" AFF
 E – EXISTING DUPLEX RECEPTACLE TO BE REMOVED AND REPLACED WITH NEW DUPLEX RECEPTACLE, 20A @ 125, AND COVER PLATE
 – DUPLEX RECEPTACLE, 18" AFF UNLESS OTHERWISE NOTED
 G – GFCI DUPLEX RECEPTACLE, 18" AFF UNLESS OTHERWISE NOTED
 – DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
 G – GFCI DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
 G/WP – GFCI DUPLEX RECEPTACLE WITH WEATHER-PROOF IN-USE COVER PLATE, MOUNTED 24" ABOVE FINISHED GRADE.
 E – EXISTING COMMUNICATIONS OUTLET TO REMAIN.
 V – NEW VOICE/DATA OUTLET, 18" AFF. SINGLE GANG PLASTER RING WITH NYLON PULL CORD TO ACCESSIBLE CEILING SPACE.
 W – NEW WALL TELEPHONE OUTLET, 60" AFF. SINGLE GANG PLASTER RING WITH NYLON PULL CORD TO ACCESSIBLE CEILING SPACE.
 J – JUNCTION BOX
 1 – SAFETY DISCONNECT SWITCH – NEMA 1 ENCLOSURE
 3R – SAFETY DISCONNECT SWITCH – NEMA 3R ENCLOSURE
 C – DOOR CHIME PUSH-BUTTON
 C – DOOR CHIME
 – NEW LOAD CENTER
 → – HOMERUN TO PANEL 'LP'
 – CONDUIT AND WIRE. CROSS LINES INDICATE NUMBER OF CONDUCTORS. INSULATED GROUND REQUIRED BUT NOT SHOWN.
 → – EQUIPMENT CONNECTION
 – NEW 3/4" PLYWOOD EQUIPMENT BACKBOARD
 M – MOTOR
 F – FIRE MANUAL PULL STATION, 48" AFF
 E – EXISTING FIRE ALARM SMOKE DETECTOR
 S – NEW/RELOCATED FIRE ALARM SMOKE DETECTOR
 E – EXISTING FIRE ALARM HEAT DETECTOR
 H – NEW/RELOCATED FIRE ALARM HEAT DETECTOR
 A – FIRE ALARM HORN /ADA STROBE UNIT, MOUNTED 80" AFF TO BOTTOM OF UNIT.
 A – FIRE ALARM ADA STROBE UNIT, MOUNTED 80" AFF TO BOTTOM OF UNIT.
 D – CALL-FOR-AID SYSTEM PULL CORD STATION, 48" AFF. MOUNTED ADJACENT TO WATER CLOSET, 48" AFF AND 48" FROM BACK WALL.
 A – CALL-FOR-AID SYSTEM HORN/STROBE UNIT
 T – CALL-FOR-AID SYSTEM TRANSFORMER
 – ELECTROMAGNETIC DOOR HOLD OPEN



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CONSULTANT

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TOWN OF TRUMBULL
MARY J. SCHERLACH
COUNSELING CENTER
RENOVATIONS & ALTERATIONS
121 OLD MINE ROAD
TRUMBULL, CT

DRAWING TITLE

ELECTRICAL SYMBOLS,
GENERAL NOTES AND
SPECIFICATIONS

SCALE: NONE	DRAWN BY: MMV	REVIEWED BY: MMV
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DRAFTING NO.

DATE:
06 OCTOBER 2014

JOB NUMBER

ELECTRICAL DRAWING LIST

E-1	ELECTRICAL SYMBOLS, GENERAL NOTES AND SPECIFICATIONS
E-2	ELECTRICAL REMOVAL PLANS
E-3	ELECTRICAL FLOOR PLANS
E-4	FIRE ALARM FLOOR PLANS



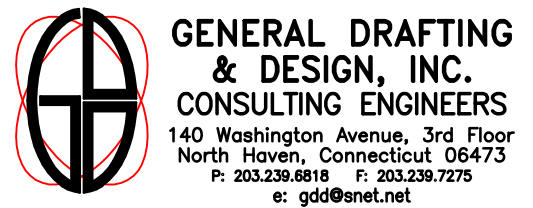
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REVISIONS	DATE	DISCUSSION
1	10.20.14	ADDENDUM #1

TOWN OF TRUMBULL
MARY J. SCHERLACH
COUNSELING CENTER
RENOVATIONS & ALTERATIONS
121 OLD MINE ROAD
TRUMBULL, CT

DRAWING TITLE:

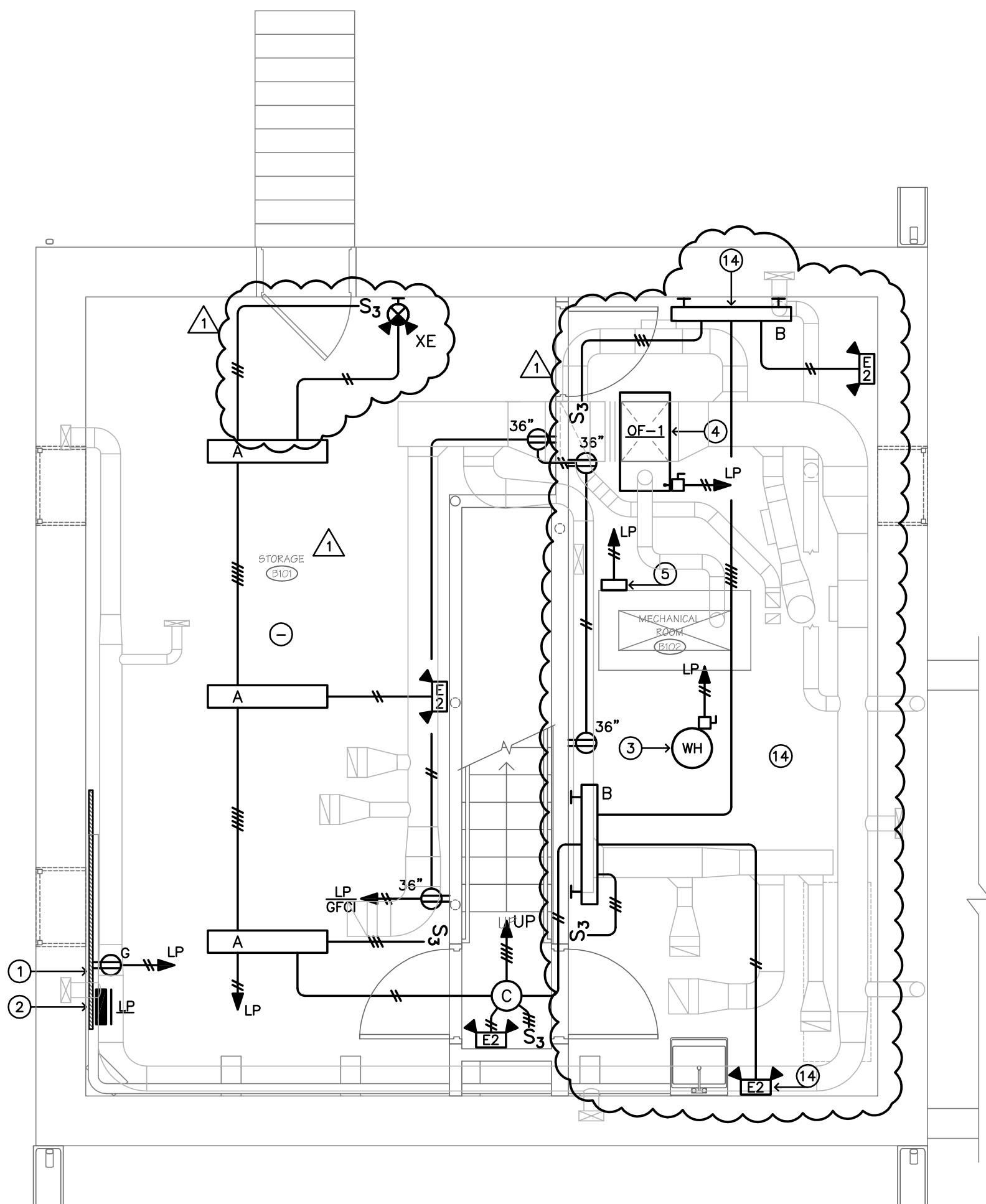
ELECTRICAL FLOOR PLANS

SCALE: 1/4" = 1'-0" DRAWN BY: MMV REVIEWED BY: MMV

DRAWING NO.

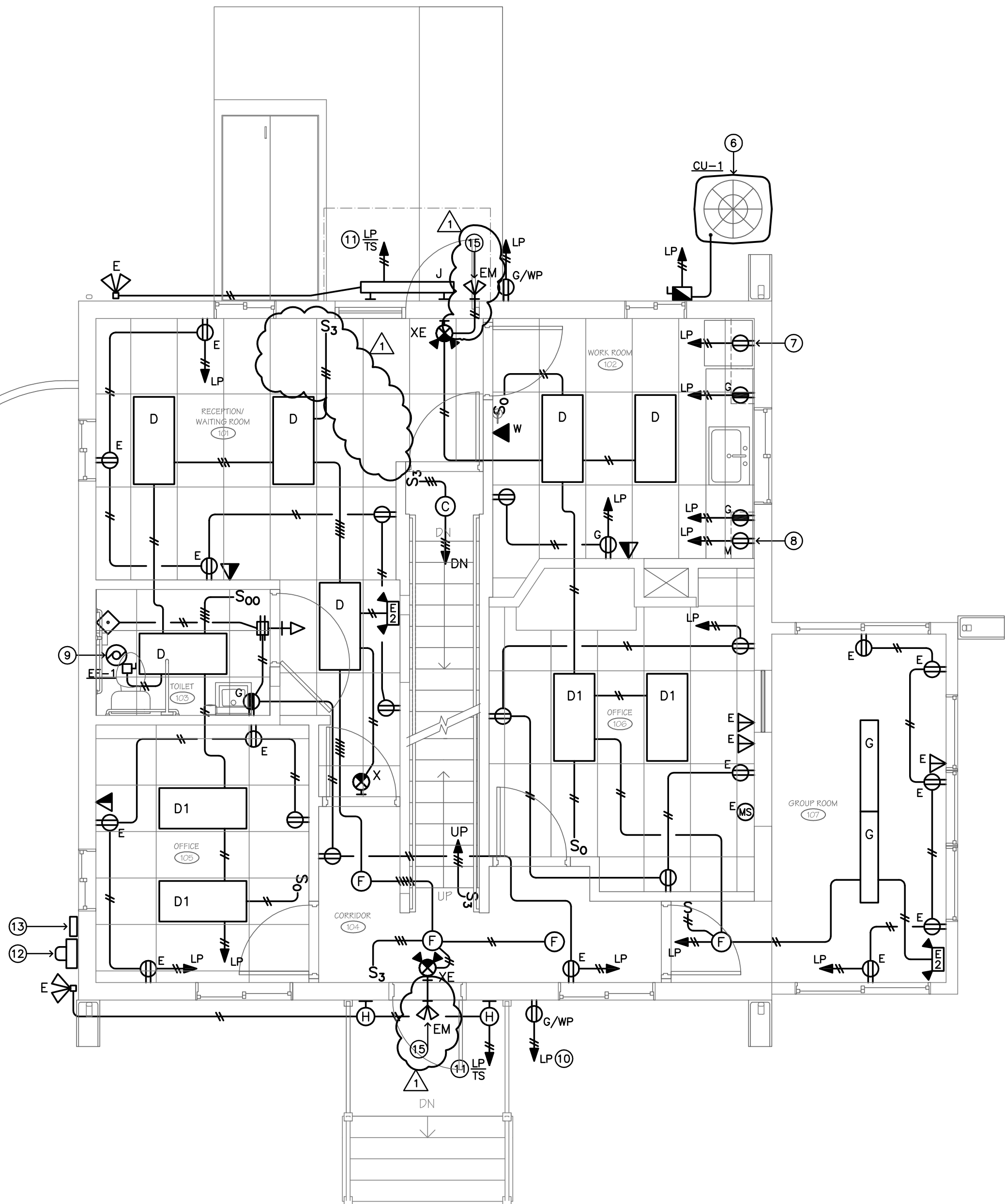
E-3

DATE: 06 OCTOBER 2014 JOB NUMBER: 14046



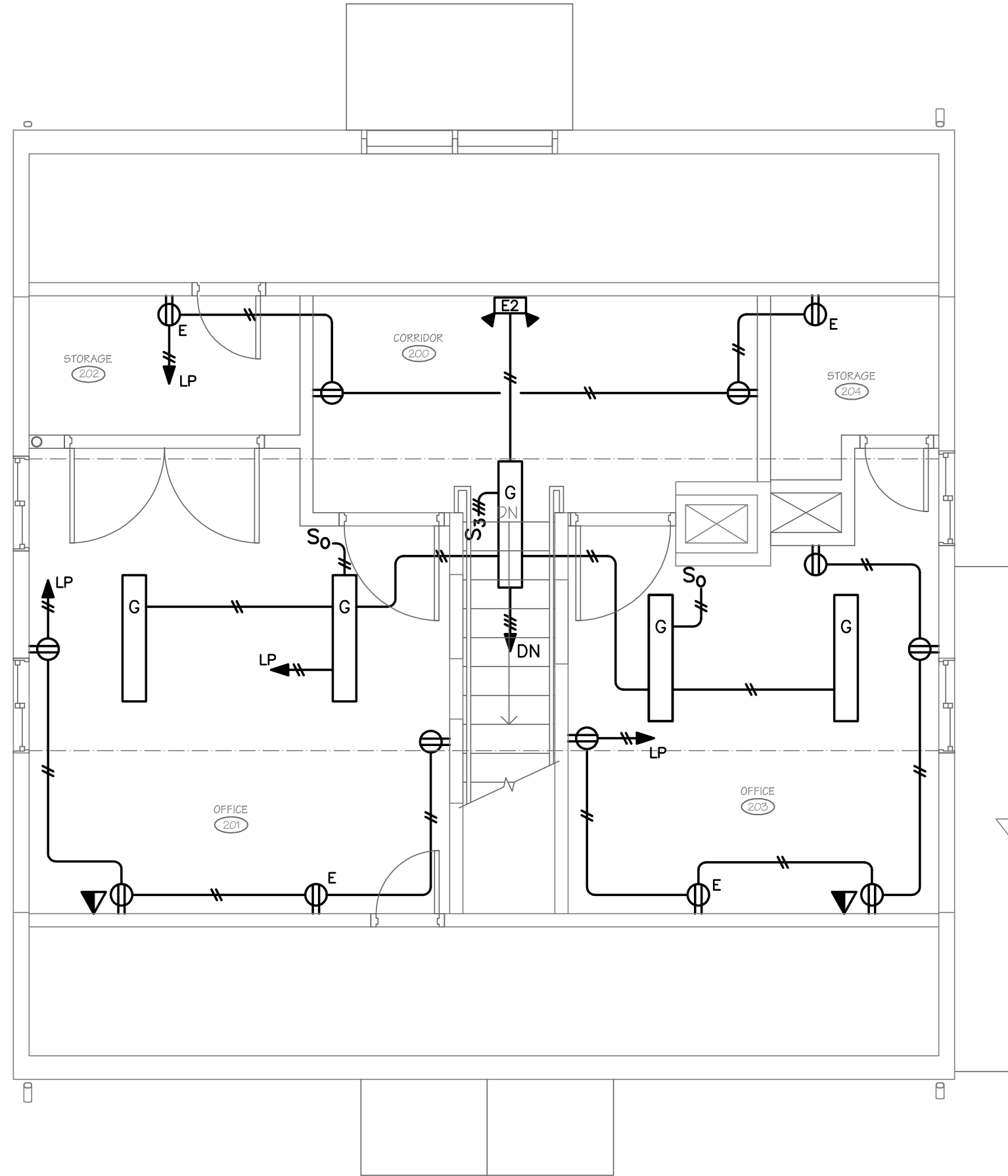
BASEMENT ELECTRICAL PLAN

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



FIRST FLOOR ELECTRICAL PLAN

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



SECOND FLOOR ELECTRICAL PLAN

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

LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE TYPE

A

MANUFACTURER.....LITHONIA
CATALOG NO.....LB 232 MVOLT GEB10IS
FIXTURE DESCRIPTION.....4' SURFACE FLUORESCENT WRAPAROUND LUMINAIRE
VOLTAGE.....120
LAMP & DESIGNATION.....2 - 32 WATT T8, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....SURFACE
HOUSING.....STEEL
LENS/LOUVER.....ACRYLIC PRISMATIC WRAPAROUND
REMARKS.....-

LIGHTING FIXTURE TYPE

B

MANUFACTURER.....LITHONIA
CATALOG NO.....C 232 MVOLT GEB10IS WGCUN NST
FIXTURE DESCRIPTION.....4' FLUORESCENT STRIP
VOLTAGE.....120
LAMP & DESIGNATION.....2 - 32 WATT T8, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....SURFACE - WALL
HOUSING.....STEEL
LENS/LOUVER.....WIRE GUARD
REMARKS.....-

LIGHTING FIXTURE TYPE

C

MANUFACTURER.....MERCURY
CATALOG NO.....M-126-QD-11-LEX-ELB-UNI
FIXTURE DESCRIPTION.....13" DIA. SURFACE DOME LUMINAIRE
VOLTAGE.....120
LAMP & DESIGNATION.....1 - 26 WATT TT4, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....SURFACE
HOUSING.....STEEL
LENS/LOUVER.....UNBREAKABLE POLYCARBONATE DRUM
REMARKS.....-

LIGHTING FIXTURE TYPE

D

MANUFACTURER.....LITHONIA
CATALOG NO.....2GT8 232 A12125 MVOLT GEB10IS
FIXTURE DESCRIPTION.....2' x 4' GRID TROFFER
VOLTAGE.....120
LAMP & DESIGNATION.....2 - 32 WATT T8, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....RECESSED - GRID
HOUSING.....STEEL
LENS/LOUVER.....ACRYLIC PRISMATIC .125" THICK
REMARKS.....-

LIGHTING FIXTURE TYPE

D1

MANUFACTURER.....LITHONIA
CATALOG NO.....LB 232 MVOLT GEB10IS
FIXTURE DESCRIPTION.....2' x 4' GRID TROFFER
VOLTAGE.....120
LAMP & DESIGNATION.....3 - 32 WATT T8, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....RECESSED - GRID
HOUSING.....STEEL
LENS/LOUVER.....ACRYLIC PRISMATIC .125" THICK
REMARKS.....-

LIGHTING FIXTURE TYPE

ET

MANUFACTURER.....DUAL-LITE
CATALOG NO.....L22
FIXTURE DESCRIPTION.....SELF-CONTAINED EMERGENCY LIGHTING UNIT
VOLTAGE.....120/277
LAMP & DESIGNATION.....2 - 5 WATT HIGH OUTPUT HALOGEN HEADS
MOUNTING.....SURFACE
HOUSING.....THERMOPLASTIC - WHITE
LENS/LOUVER.....ADJUSTABLE LAMP HOLDERS
REMARKS.....MAINTENANCE FREE LEAD-CALCIUM BATTERY, 90 MINUTE EMERGENCY OPERATION.

LIGHTING FIXTURE TYPE

E2

MANUFACTURER.....DUAL-LITE
CATALOG NO.....L22ON-10W
FIXTURE DESCRIPTION.....SELF-CONTAINED EMERGENCY LIGHTING UNIT
VOLTAGE.....120/277
LAMP & DESIGNATION.....2 - 10 WATT HALOGEN HEADS
MOUNTING.....SURFACE
HOUSING.....THERMOPLASTIC - WHITE
LENS/LOUVER.....ADJUSTABLE LAMP HOLDERS
REMARKS.....NICA0 BATTERY, MONITOR ROOM LIGHTING BRANCH CIRCUIT, 90 MINUTE EMERGENCY OPERATION.

LIGHTING FIXTURE TYPE

F

MANUFACTURER.....MERCURY
CATALOG NO.....M88-126-QD-13-ASW-ELB-UNI
FIXTURE DESCRIPTION.....13" DIA. SURFACE DOME LUMINAIRE
VOLTAGE.....120
LAMP & DESIGNATION.....1 - 26 WATT TT4, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....SURFACE
HOUSING.....STEEL
LENS/LOUVER.....SMOOTH WHITE ACRYLIC DOME
REMARKS.....-

LIGHTING FIXTURE TYPE

G

MANUFACTURER.....LITHONIA
CATALOG NO.....LB 232 MVOLT GEB10IS
FIXTURE DESCRIPTION.....4' SURFACE FLUORESCENT WRAPAROUND LUMINAIRE
VOLTAGE.....120
LAMP & DESIGNATION.....2 - 32 WATT T8, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....SURFACE
HOUSING.....STEEL
LENS/LOUVER.....ACRYLIC PRISMATIC WRAPAROUND
REMARKS.....-

LIGHTING FIXTURE TYPE

H

MANUFACTURER.....PROGRESS LIGHTING
CATALOG NO.....P5985-3TWB
FIXTURE DESCRIPTION.....EXTERIOR WALL BRACKET LUMINAIRE
VOLTAGE.....120
LAMP & DESIGNATION.....1 - 26 WATT CFL, 3500K
BALLAST.....ELECTRONIC, 0' STARTING
MOUNTING.....SURFACE - WALL
HOUSING.....ALUMINUM, BLACK FINISH
LENS/LOUVER.....ETCHED GLASS PANELS
REMARKS.....UL LISTED FOR WET LOCATIONS

LIGHTING FIXTURE TYPE

J

MANUFACTURER.....LUMINAIRE LIGHTING
CATALOG NO.....AEL48-2F14T5-120-CP-BKH
FIXTURE DESCRIPTION.....4" VANDAL RESISTANT EXTERIOR WALL BRACKET
VOLTAGE.....120
LAMP & DESIGNATION.....2 - 14 WATT T5, 3500K
BALLAST.....ELECTRONIC
MOUNTING.....SURFACE - WALL
LENS/LOUVER.....EXTRUDED ALUMINUM
REMARKS.....CLEAR POLYCARBONATE

LIGHTING FIXTURE TYPE

K

FIXTURE DESCRIPTION.....EXISTING DOUBLE HEAD FLOOD LAMP HOLDER
VOLTAGE.....120
LAMP & DESIGNATION.....PROVIDE 90W EQUIVALENT SELF-BALLASTED COMPACT FLUORESCENT PAR38 FLOOD LAMPS
REMARKS.....EXISTING FIXTURE TO REMAIN

LIGHTING FIXTURE TYPE

X

MANUFACTURER.....DUAL-LITE
CATALOG NO.....LXURWE
FIXTURE DESCRIPTION.....SINGLE FACE EMERGENCY EXIT SIGN
VOLTAGE.....120/277
LAMP & DESIGNATION.....LED
MOUNTING.....SURFACE - CEILING
HOUSING.....THERMOPLASTIC - WHITE
LENS/LOUVER.....RED LETTERS - WHITE FACE
REMARKS.....MAINTENANCE-FREE BATTERY, 90 MINUTE EMERGENCY OPERATION. SHADED AREA INDICATES FACE, CHEVRON DIRECTIONAL ARROWS AS INDICATED.

LIGHTING FIXTURE TYPE

XE

MANUFACTURER.....DUAL-LITE
CATALOG NO.....HCXURW-R12/0CRDW60S
FIXTURE DESCRIPTION.....EXIT SIGN/EMERGENCY LIGHTING UNIT WITH REMOTE HEADS
VOLTAGE.....120/277
LAMP & DESIGNATION.....LED/2 - 5 WATT HALOGEN LAMPS/2 - 5 WATT REMOTE HEADS
MOUNTING.....SURFACE - WALL
HOUSING.....THERMOPLASTIC - WHITE
LENS/LOUVER.....RED LETTERS - WHITE FACE
REMARKS.....MAINTENANCE-FREE BATTERY, 90 MINUTE EMERGENCY OPERATION. SHADED AREA INDICATES FACE, CHEVRON DIRECTIONAL ARROWS AS INDICATED.

LEGEND

- 1 NEW 4' x 8' FIRE-RETARDANT PLYWOOD EQUIPMENT BACKBOARD MOUNTED TO WALL ON SUPPORT STRUTS.
- 2 NEW LOAD CENTER 'LP'. 120/240V-1Ø.
- 3 NEW ELECTRIC HOT WATER HEATER, 2500WATTS-240V-1Ø. 2 #12 + 1 #12 GND. TO 20A-2P BRANCH CIRCUIT BREAKER.
- 4 NEW OIL FIRED FURNACE, 120V-1Ø CONTROL CIRCUIT.
- 5 NEW ZONE DAMPER CONTROL PANEL, 120V-1Ø.
- 6 NEW OUTDOOR CONDENSING UNIT, 23.1MCA-240V-1Ø. 2 #10 + 1 #10 GND. TO 30A-2P BRANCH CIRCUIT BREAKER.
- 7 REFRIGERATOR, 120V-1Ø.
- 8 MICROWAVE, 120V-1Ø. OUTLET MOUNTED BELOW COUNTER AT SHELF, COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS, DRAWING A-620.
- 9 EXHAUST FAN, 120V-1Ø, CONTROLLED FROM ONE POLE TO TWO-POLE WALL SWITCH OCCUPANCY SENSOR. VERIFY TIME DELAY SETTING WITH OWNER.
- 10 ONE BRANCH CIRCUIT TO POWER FRONT AND REAR OUTDOOR RECEPTACLES.
- 11 CIRCUIT TO PANEL THRU OUTDOOR LIGHTING TIMESWITCH, ONE CIRCUIT TO POWER FRONT AND REAR LIGHTING FIXTURES.
- 12 NEW UTILITY REVENUE METER SOCKET AND SERVICE MAST.
- 13 EXISTING TELEPHONE DEMARK TO REMAIN.
- 14 COORDINATE MOUNTING LOCATION OF LIGHTING FIXTURES AND EMERGENCY LIGHTING UNITS WITH DUCTWORK IN FIELD, TYPICAL.
- 15 VERIFY MOUNTING LOCATION IN FIELD WITH ARCHITECT.

ALL FIXTURE SPECIFICATIONS TO BE "BASIS OF DESIGN"
(OR APPROVED EQUAL)



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REVISIONS	DATE	DESCRIPTION
Δ	10.20.14	ADDENDUM #1

TOWN OF TRUMBULL
MARY J. SCHERLACH
COUNSELING CENTER
RENOVATIONS & ALTERATIONS
121 OLD MINE ROAD
TRUMBULL, CT

DRAWING TITLE:

FIRE ALARM FLOOR PLANS

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

DRAWN BY:
MMV

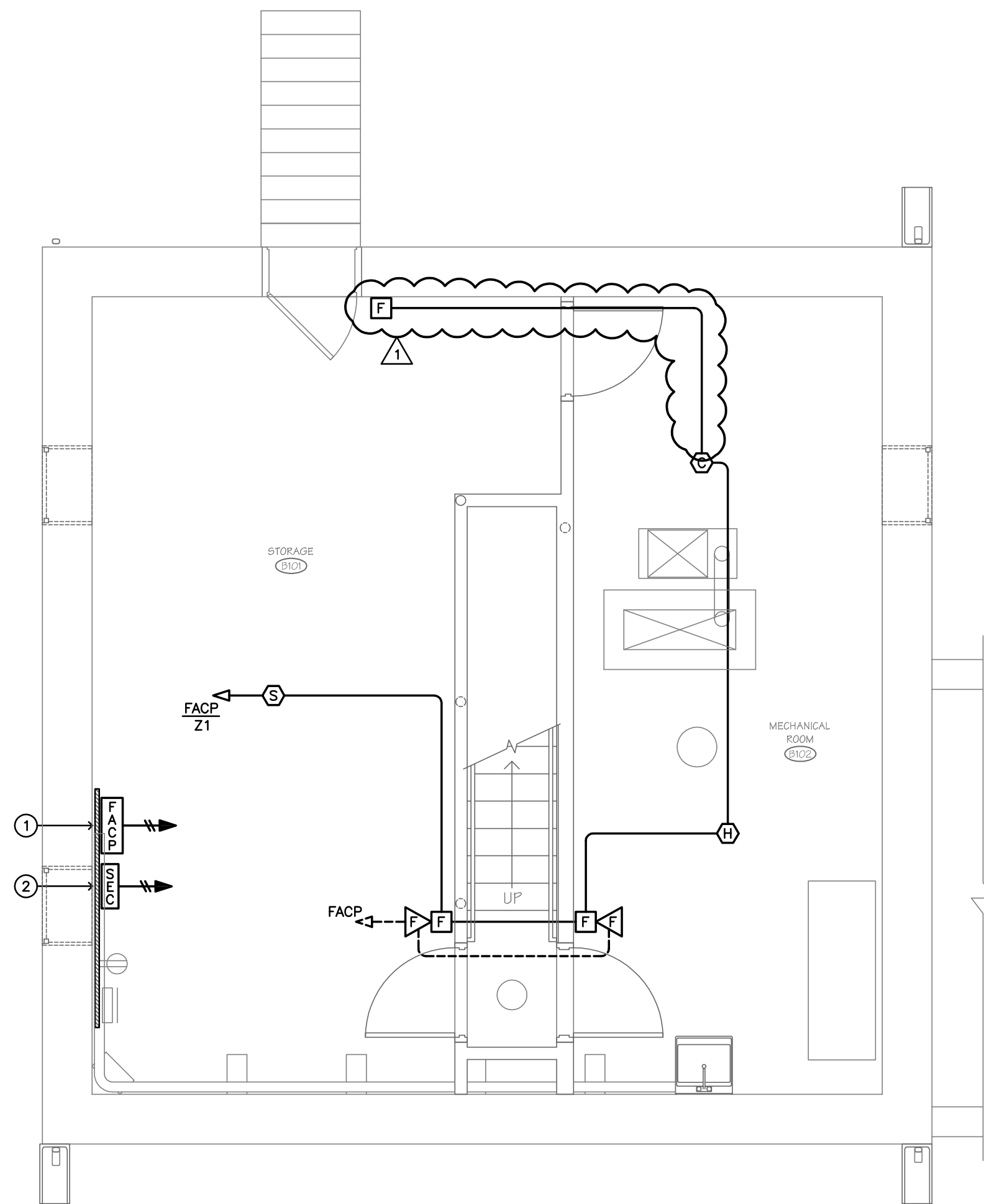
REVIEWED BY:
MMV

DRAWING NO.

E-4

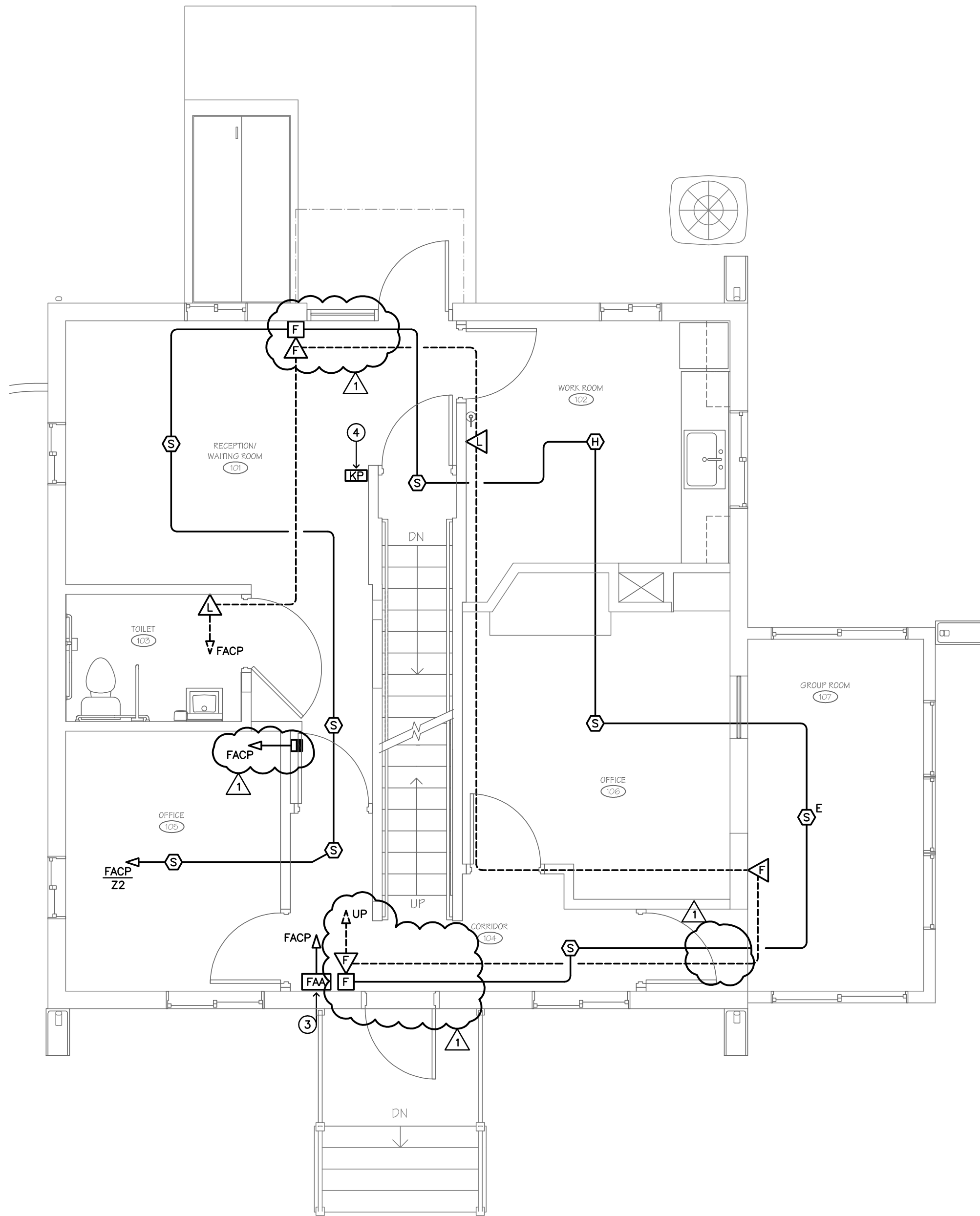
DATE:
06 OCTOBER 2014

JOB NUMBER:
14046



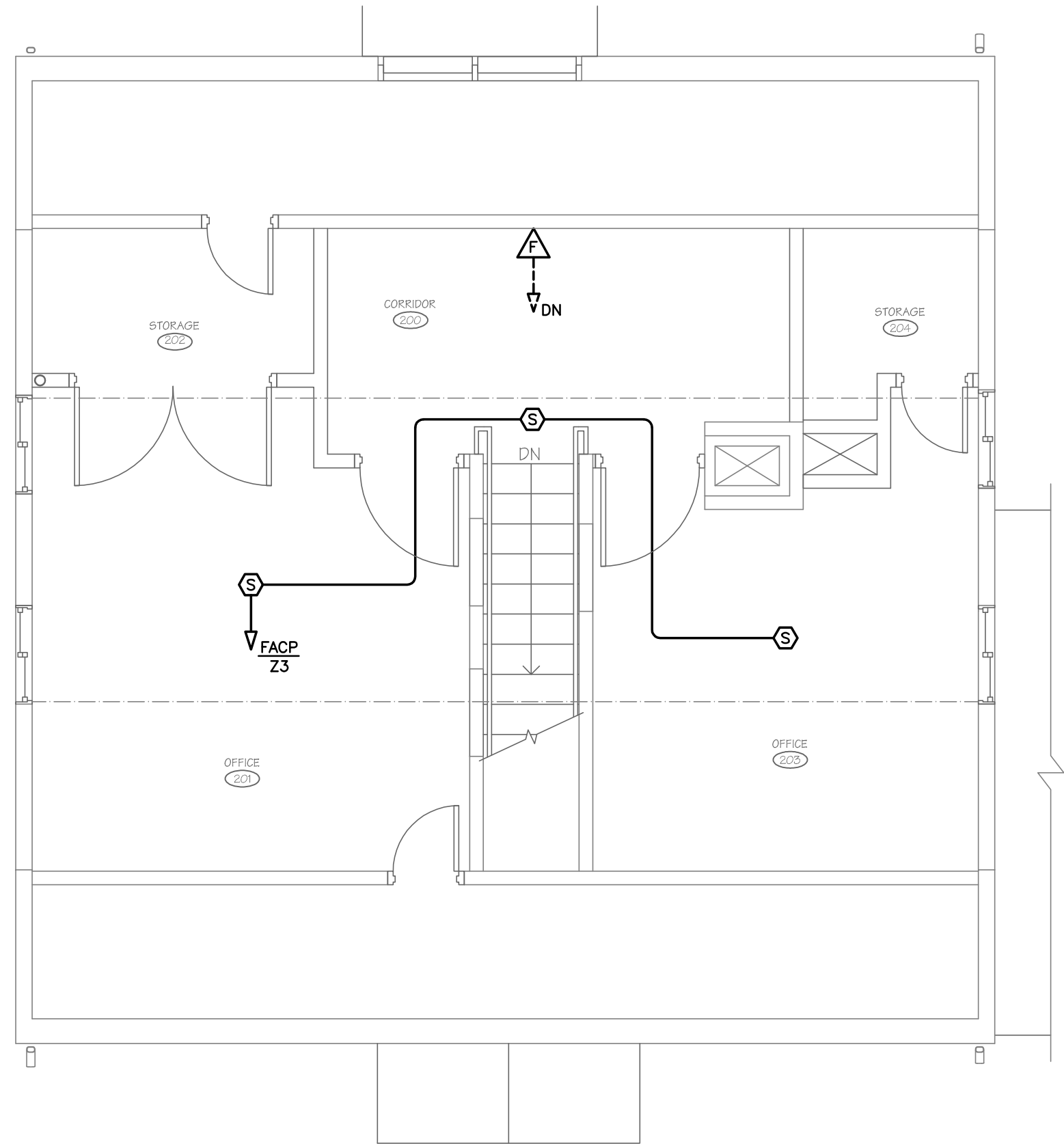
BASEMENT FIRE ALARM PLAN

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



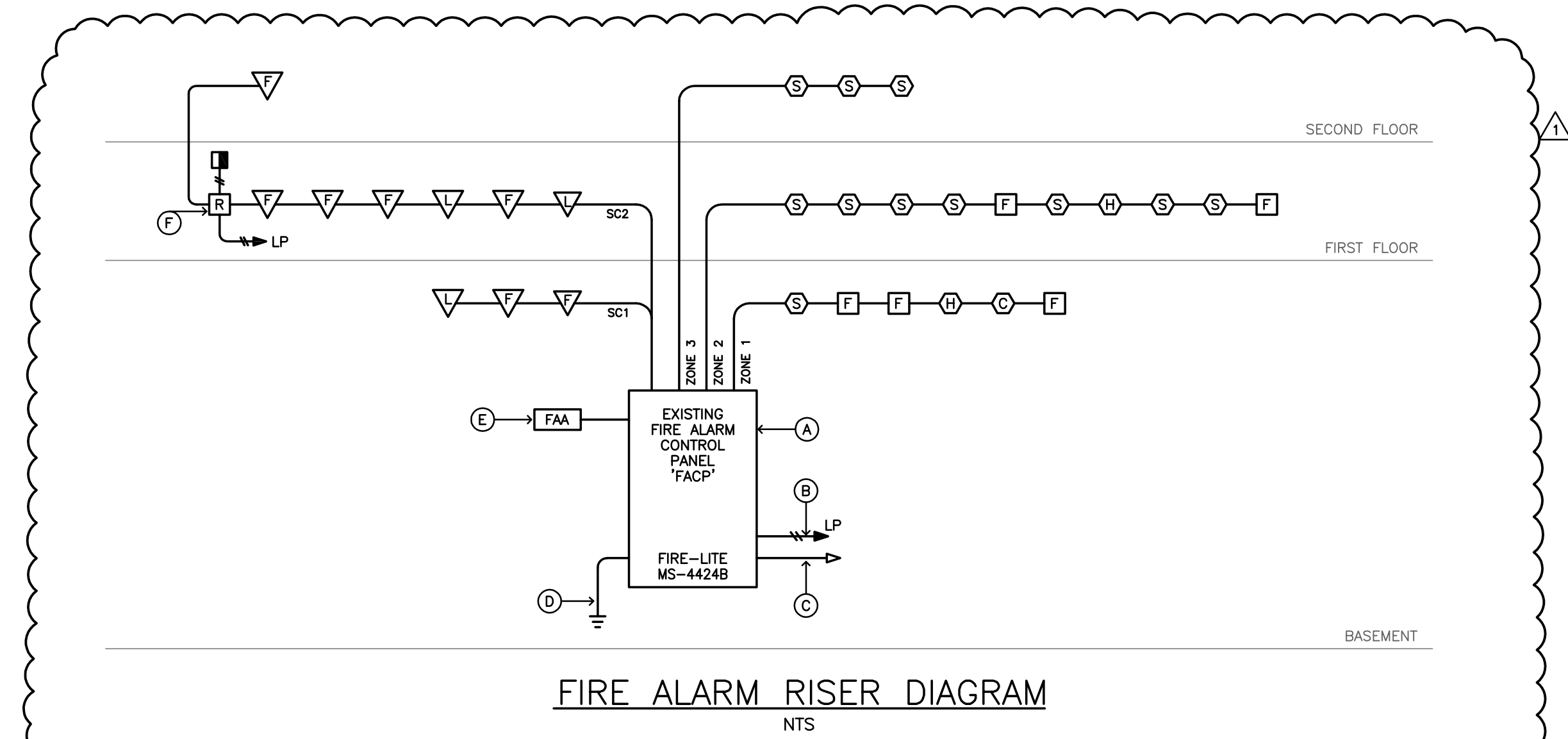
FIRST FLOOR FIRE ALARM PLAN

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



SECOND FLOOR FIRE ALARM PLAN

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



FIRE ALARM RISER DIAGRAM

NTS

LEGEND - FIRE ALARM RISER DIAGRAM

- (A) EXISTING/RELOCATED FIRE ALARM CONTROL PANEL WITH BATTERY BACKUP.
- (B) 2 #12 + 1 #12 GND. TO 20A-1P CB IN PANELBOARD. CIRCUIT BREAKER TO BE RED IN COLOR WITH HANDLE LOCK TAB. LABEL BREAKER "FIRE ALARM CONTROL PANEL - DO NOT TURN OFF".
- (C) 2 PAIR - 18AWG TW/SH - 3/4"C. TO TELEPHONE DEMARK FOR CONNECTION TO REMOTE MONITORING SERVICE.
- (D) 1 #10 GND. - 3/4"C. TO WATER PIPE GROUND.
- (E) NEW SEMI-FLUSH MOUNTED FIRE ALARM REMOTE ANNUNCIATOR.
- (F) NEW POLARIZED RELAY FOR ACTIVATION OF MAGNETIC DOOR HOLDER. SPDT RELAY, 24V CONTROL COIL, 10A RATED CONTACTS, #MR-101/C.

FIRE ALARM SYMBOLS

- [FACP] - EXISTING/RELOCATED FIRE ALARM CONTROL PANEL. FIRE-LITE MS-4424B, 4-ZONE PANEL.
- [FAA] - NEW FIRE ALARM REMOTE ANNUNCIATOR. PROVIDE REMOTE ANNUNCIATOR DRIVER CARD IN FIRE ALARM CONTROL PANEL.
- [F] - FIRE ALARM MANUAL PULL STATION, 48" AFF.
- [S] - NEW FIRE ALARM SMOKE DETECTOR.
- [H] - NEW FIRE ALARM HEAT DETECTOR, 135°F.
- [C] - NEW FIRE ALARM CARBON MONOXIDE DETECTOR.
- [V] - NEW FIRE ALARM HORN/ADA STROBE UNIT, 80" AFF TO BOTTOM.
- [V] - NEW FIRE ALARM ADA STROBE UNIT, 80" AFF TO BOTTOM.
- [M] - NEW MAGNETIC DOOR HOLDER, FIRE-LITE FM SERIES FLUSH WALL-MOUNT, OR EQUAL.

LEGEND

- ① EXISTING/RELOCATED FIRE ALARM CONTROL PANEL MOUNTED ON NEW EQUIPMENT BACKBOARD.
- ② EXISTING/RELOCATED SECURITY SYSTEM CONTROL PANEL MOUNTED ON NEW EQUIPMENT BACKBOARD.
- ③ NEW SEMI-FLUSH MOUNTED FIRE ALARM REMOTE ANNUNCIATOR PANEL, 48" AFF.
- ④ EXISTING/RELOCATED SECURITY SYSTEM KEYPAD, 48" AFF.

FIRE ALARM GENERAL NOTES

- INSTALLATION SHALL COMPLY WITH NFPA 72, FEDERAL, STATE AND LOCAL BUILDING CODES.
- ALL WIRING SHALL COMPLY WITH ARTICLE 760 OF THE NATIONAL ELECTRICAL CODE. ALL WIRING SHALL BE CHECKED FOR OPENS, SHORTS AND GROUNDS PRIOR TO ENERGIZING. TERMINATE ALL WIRING WITH UL LISTED DEVICES. WIRING COLOR CODE SHALL BE PER NFPA. ALL WIRING SHALL BE SIZED PER MANUFACTURERS SPECIFICATIONS AND REQUIREMENTS.
- NO PARALLEL BRANCHING OR TAP SPLICES ARE PERMITTED ON SIGNALING CIRCUITS.
- DETECTOR AND SIGNALING POLARITY SHALL BE OBSERVED.
- ALL FIRE ALARM DEVICES SHALL BE MOUNTED ON METAL BACKBOXES. JUNCTION BOXES SHALL BE PAINTED RED AND LABELED.
- NO SMOKE DETECTOR SHALL BE LOCATED WITHIN 3 FEET OF A SUPPLY AIR OUTLET. REFER TO NFPA 72E FOR GUIDELINES.
- ALL STROBE UNITS TO BE SYNCHRONIZED.
- FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL COMPLY WITH ADA REQUIREMENTS.
- FIRE ALARM ACCEPTANCE TEST SHALL BE WITNESSED BY THE OFFICE OF THE FIRE MARSHALL. CONTRACTOR SHALL PERFORM A 100% DEVICE TEST PRIOR TO SCHEDULING FIRE MARSHALL INSPECTION.
- CIRCUIT BREAKER FOR FACP TO BE RED AND PROVIDED WITH LOCK-ON TAB. LABEL BREAKER "FACP - DO NOT TURN OFF".
- EXISTING DEVICES REMOVED DURING CONSTRUCTION SHALL BE CLEANED AND REUSED, VERIFY QUANTITIES IN FIELD.
- ALL NEW DEVICES SHALL BE LISTED FOR USE WITH EXISTING FIRE ALARM CONTROL PANEL.