

MECHANICAL EQUIPMENT SCHEDULE

- F-1 95% HIGH EFFICIENCY FURNACE, 100 MBH NATURAL GAS HEATING, UPFLOW, SIDE INLET RETURN, TWO ZONE CONTROL, 1000 CFM, ½ HP BLOWER MOTOR, 120V/1Ø, MATCHING A-COIL WITH INSULATED CABINET, NOMINAL 2 ½ TON COOLING CAPACITY, CONDENSATE FROM FURNACE AND COIL TO LITTLE GIANT CONDENSATE PUMP, ¾" DISCHARGE. RUN TO FLOOR DRAIN, PROVIDE LEVEL, 4" HIGH CONCRETE HOUSEKEEPING PAD.
- F-2 SAME AS F-1, SINGLE ZONE.
- CU-1 AIR COOLED CONDENSING UNIT, 13 SEER, NOMINAL 2 ½ TON COOLING, 240V/1Ø, 15 MCA, 25A MDCP, MOUNT ON LEVEL, 3" HIGH PLASTIC EQUIPMENT SUPPORT PAD ON ROOF, PROVIDE ROOF MATERIAL WEAR PAD, REFRIGERANT PIPING SIZE AND ROUTE PER MANUFACTURER'S REQUIREMENTS, VERTICAL PIPING AT SECOND FLOOR TO RUN THROUGH WATER HEATER CLOSET AT HEAD OF STAIRS.
- CU-2 SAME AS CU-1.
- RTU-B PACKAGED ROOF TOP HEATING AND COOLING UNIT, NOMINAL 1 ½-TON COOLING, 40 MBH HEATING, NOMINAL 600 CFM @ 0.5" ESP, FULL ROOF CURB, COORDINATE FLASHING WITH ROOFING REQUIREMENTS, 240V/1Ø, 10.1 FLA, 15A MOC, 2" PANEL FILTER, MERV 8, 7-DAY ELECTRONIC PROGRAMMABLE THERMOSTAT WITH "FAN-ON-AUTO", "COOL-HEAT" SUB-BASE.
- RTU-C SAME AS RTU-B.
- RTU-D SAME AS RTU-B.
- RTU-D SAME AS RTU-B.
- EF-101 CEILING EXHAUST FAN, SUPER QUIET, 80 CFM, 6"Ø DISCHARGE WITH BACKDRAFT DAMPER, 120V/1Ø, SWITCH WITH LIGHTS.
- EF-103 SAME AS EF-101.
- EF-104 SAME AS EF-101.
- EF-B1 SAME AS EF-101.
- EF-B2 SAME AS EF-101.
- EF-C1 SAME AS EF-101.
- EF-C2 SAME AS EF-101.
- EF-D1 SAME AS EF-101.
- EF-D2 SAME AS EF-101.
- EF-E1 SAME AS EF-101.
- EF-E2 SAME AS EF-101.
- EWH-101 WALL MOUNTED HEATER, SURFACE MOUNTED, 1500W, 12V/1Ø, ARCHITECTURAL CABINET, INTEGRAL THERMOSTAT INSIDE LOCKABLE COVER.
- EWH-102 SAME AS EWH-101.
- EWH-104 SAME AS EWH-101.
- EWH-107 SAME AS EWH-101.
- EWH-109 SAME AS EWH-101.
- EWH-S SAME AS EWH-101.
- S-1 12x6, HEAVY DUTY FLOOR MOUNTED SUPPLY REGISTER WITH MANUAL DAMPER.
- S-2 12x6, WALL MOUNTED SUPPLY REGISTER WITH MANUAL DAMPER.
- R-1 14x12, HEAVY DUTY, FLOOR RETURN.

GENERAL MECHANICAL NOTES:

1. ALL SYSTEMS AND INSTALLATION SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS. MECHANICAL WORK FOR THIS PROJECT IS GOVERNED BY THE 2015 MICHIGAN MECHANICAL CODE. THE INSTALLING CONTRACTOR IS ASSUMED TO BE FAMILIAR WITH THIS CODE, AND IS HEREBY CHARGED WITH COMPLETING THE INSTALLATION OF THE SYSTEMS SHOWN HEREON IN COMPLETE COMPLIANCE WITH THIS CODE, AS WELL AS ALL OTHERS THAT MAY APPLY.
2. ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND ARE NOT INTENDED TO SHOW EVERY JOINT, FITTING, OR OFFSET THAT MAY BE REQUIRED TO PROPERLY COMPLETE THE SYSTEM. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH ALL TRADES, AND PROVIDE ALL FITTINGS, OFFSETS, AND RE-ROUTING AS MAY BE REQUIRED.
3. THE COMPLETED INSTALLATION SHALL RESULT IN COMPLETE, PROPERLY OPERATING SYSTEMS.
4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS AS A PART OF HIS BASE BID FOR THE PROJECT.
5. UNLESS OTHERWISE NOTED, ALL HORIZONTAL PORTIONS OF SYSTEMS SHOWN ARE INTENDED TO BE CONCEALED ABOVE CEILINGS. VERTICAL PORTIONS ARE INTENDED TO BE CONCEALED INSIDE WALLS OR CHASES. SEE ARCHITECTURAL PLANS FOR CEILING TYPES AND LOCATIONS.
6. PROVIDE ROUGH-IN AND CONNECTION TO ALL FIXTURES AND EQUIPMENT.
7. ALL DUCTWORK SHALL BE SHEET METAL. DUCT CONSTRUCTION SHALL CONFORM TO SMACNA STANDARDS. DUCT SIZES SHOWN ON PLAN ARE CLEAR, INSIDE.
8. SUPPLY DUCTS ABOVE CEILINGS SHALL BE INSULATED WITH 1 ½" FLEXIBLE FIBERGLASS BLANKET WITH CODE REQUIRED THERMAL RESISTANCE.



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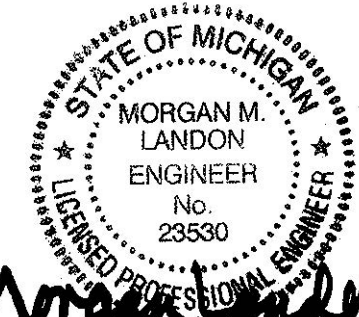
Interior Renovation
Masjid Sunnah
 2312 South Division Avenue
 Grand Rapids, Michigan 49507

No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

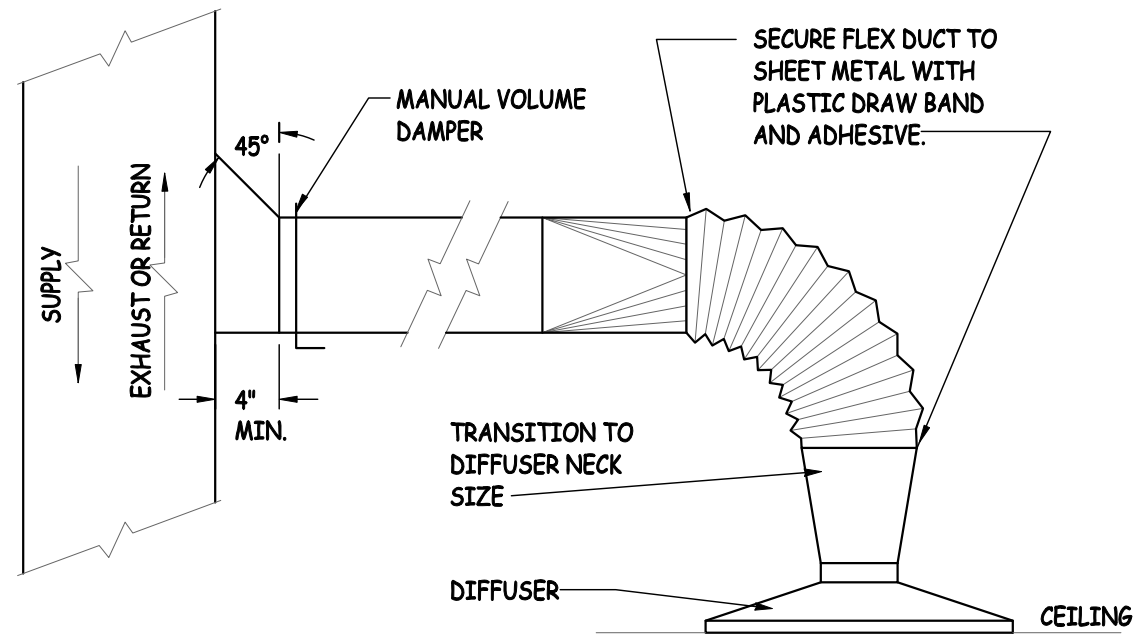
MECHANICAL NOTES		M101
Project number	001-2017	
Date	2/14/2018	
Drawn by	Author	
Checked by	Checker	
		Scale

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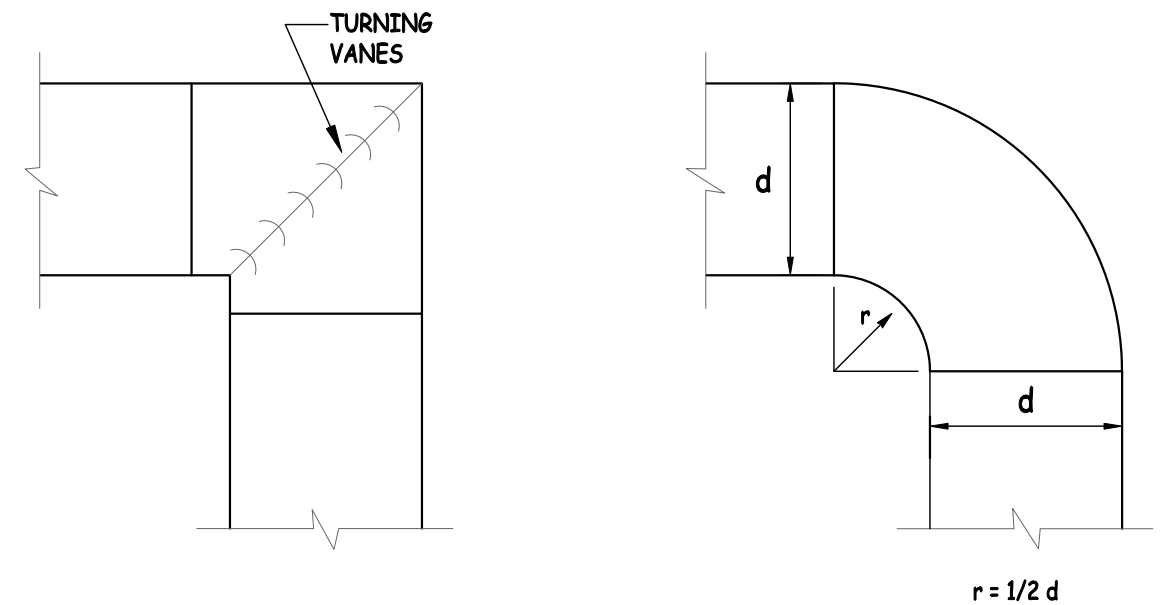
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TYPICAL DUCT TAKE-OFF
 AND DIFFUSER CONNECTION

2
 M101

NO SCALE

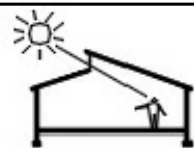


NOTE: RADIUS TURNS WITH AN INSIDE RADIUS
 OF LESS THAN 1/2 d ARE NOT ACCEPTABLE.

ACCEPTABLE DUCT TURNS

1
 M101

NO SCALE



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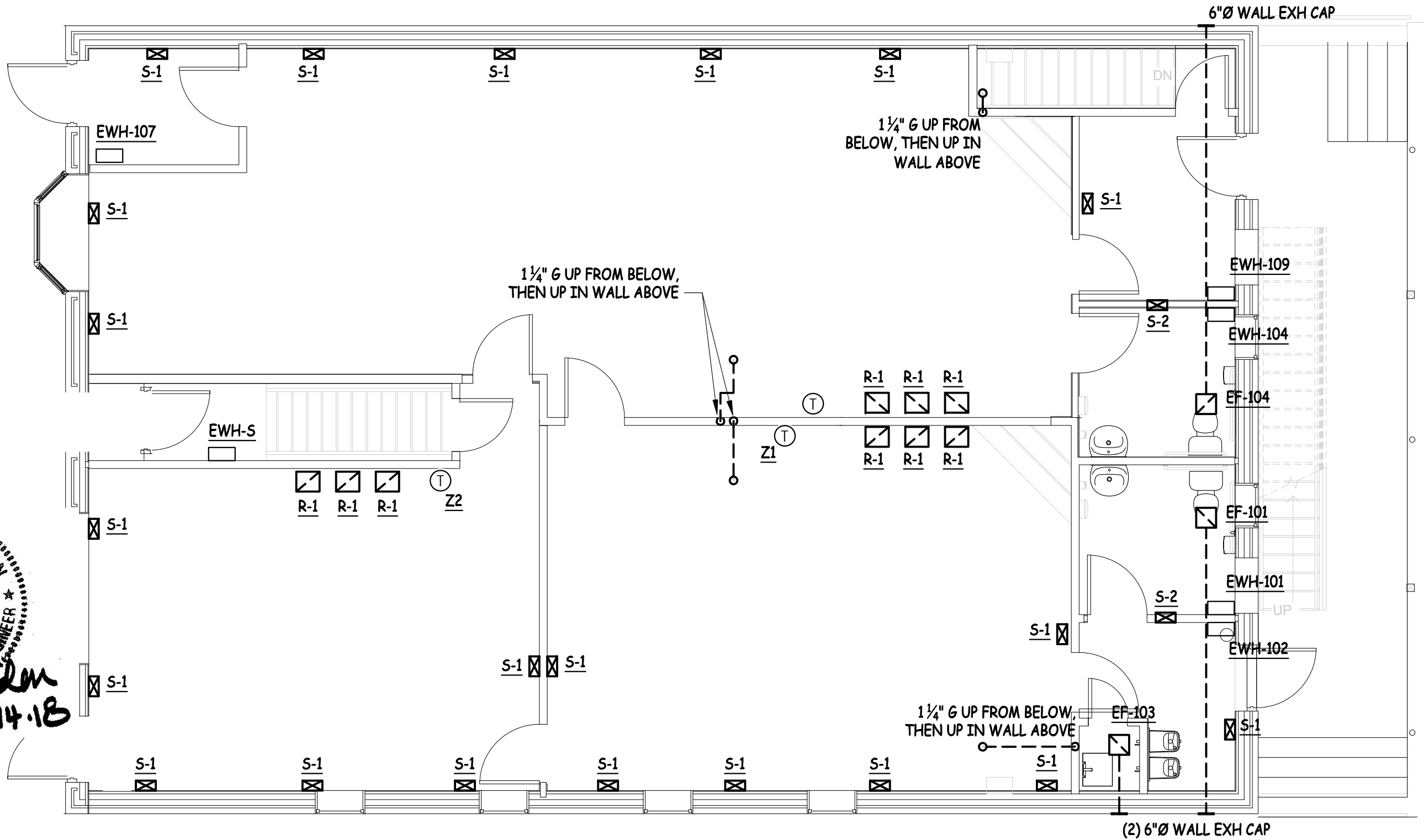
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MECHANICAL DETAILS

Project number	001-2017
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M102

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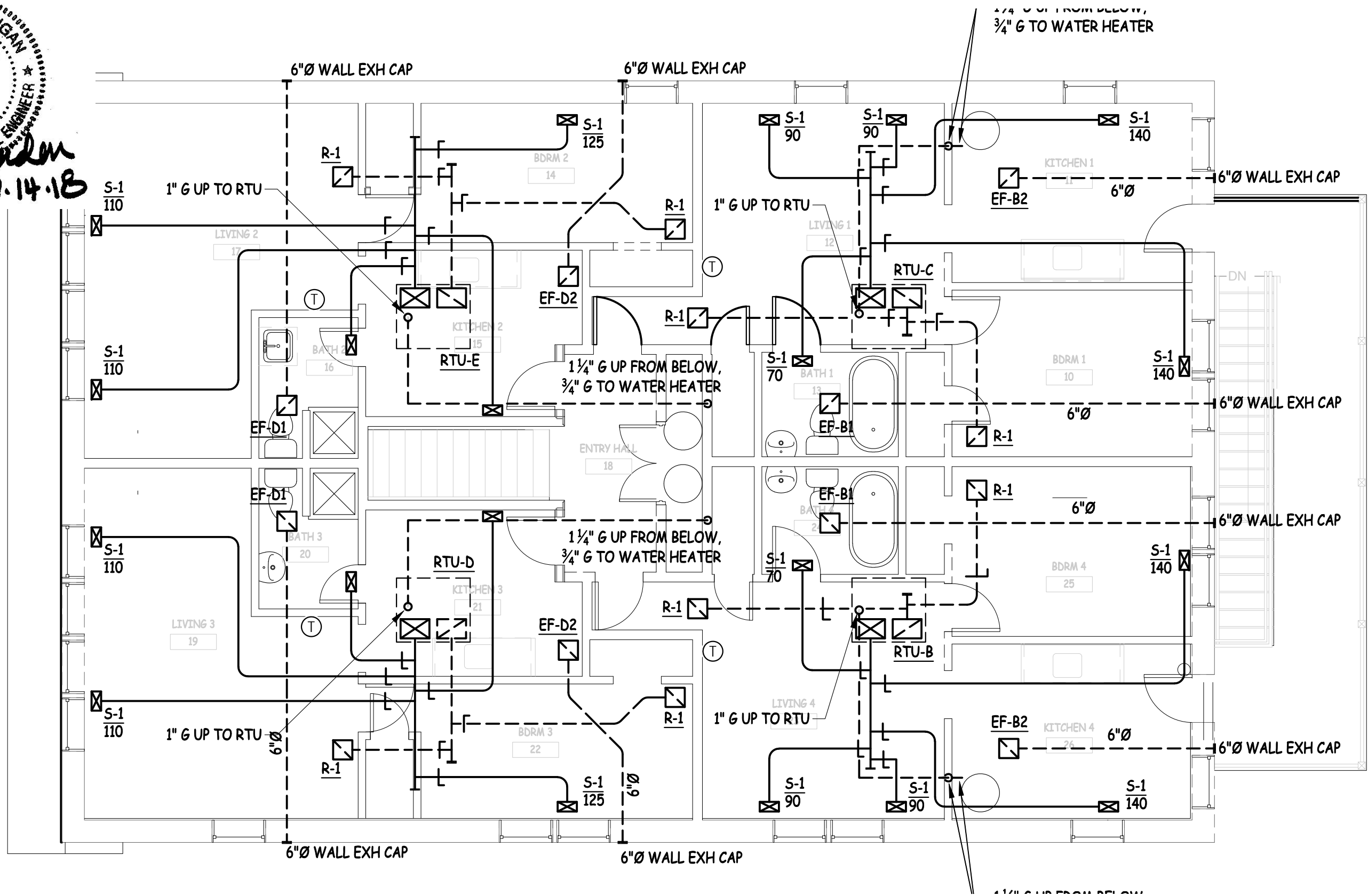
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MECHANICAL FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

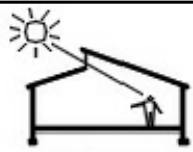
Project number	001-2017	M201
Date	2/14/2018	
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MECHANICAL SECOND FLOOR PLAN

SCALE: 3/16" = 1'-0"

Project number	001-2017
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Drawn by	Author
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M202

Scale

GENERAL ELECTRICAL NOTES:

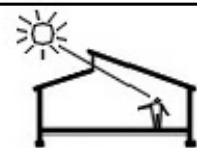
1. ALL SYSTEMS AND INSTALLATION SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS. ELECTRICAL WORK FOR THIS PROJECT IS GOVERNED BY THE 2011 NATIONAL ELECTRICAL CODE. INSTALLING CONTRACTOR IS ASSUMED TO BE FAMILIAR WITH THIS CODE, AND IS HEREBY CHARGED WITH COMPLETING THE INSTALLATION OF THE SYSTEMS SHOWN HEREON IN COMPLETE COMPLIANCE WITH THIS CODE, AS WELL AS ALL OTHERS THAT MAY APPLY.
2. THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL WORK, MATERIAL, AND LABOR TO ESTABLISH COMPLETE AND PROPERLY WORKING SYSTEMS.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, APPLICATIONS AND FEES AS MAY BE NECESSARY TO COMPLETE THE WORK. THIS INCLUDES ANY AND ALL REVIEW FEES THAT MAY BE REQUIRED FOR THE PERMITTING PROCESS.
4. FINAL ROUTING OF ALL CONDUITS SHALL BE ESTABLISHED BY THE ELECTRICAL CONTRACTOR IN COORDINATION WITH THE WORK OF ALL OTHER TRADES.
5. FIELD MOUNTED DEVICES SUCH AS SWITCHES, MOTOR STATERS, RECEPTACLES, ETC., ARE SHOWN IN THEIR APPROXIMATE LOCATIONS UNLESS NOTED TO THE CONTRARY ON THE PLANS. COORDINATE EXACT LOCATIONS BASED ON ACTUAL FIELD CONDITIONS.
6. ALL POWER WIRING SHALL BE STRANDED COPPER CONDUCTOR WITH THHN INSULATION RATED 600 VOLTS. MINIMUM WIRE SIZE, #12 AWG. WHERE THE CODE ALLOWS THE USE OF MC CABLE WITH SOLID WIRE, THIS METHOD IS ACCEPTABLE.
7. INCREASE WIRE SIZES NOTED ON PLANS OR IN SCHEDULES AS REQUIRED BY CODE FOR LONG RUNS.
8. ALL WIRING AND CONDUIT MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS WITH APPLICABLE CODES AND STANDARDS.
9. THE ELECTRICAL CONTRACTOR SHALL PROPERLY GROUND ALL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
10. ALL RECEPTACLES IN BATHROOMS, AND KITCHENS, AND OTHER LOCATIONS AS REQUIRED BY THE CODE, SHALL BE GFCI TYPE.
11. ALL MATERIALS AND EQUIPMENT PROVIDED FOR THIS PROJECT SHALL BE NEW AND UL APPROVED FOR THE INTENDED USE.
12. THE CONTRACTOR SHALL PERFORM ALL REQUIRED TESTING OF ALL ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL CORRECT ALL DEFECTS INDICATED BY TESTING AND THEN RETEST UNTIL SATISFACTORY RESULTS ARE OBTAINED.
13. NO EQUIPMENT SHALL BE ENERGIZED UNTIL ALL TESTS AND ADJUSTMENTS HAVE BEEN COMPLETED.
14. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN. FOR EXACT FIXTURE LOCATIONS. ARCHITECTURAL PLANS TAKE PRECEDENCE.
15. SEE ARCHITECTURAL DRAWINGS FOR CEILING LAYOUT, MATERIALS AND HEIGHTS.
16. ALL FIXTURES TO BE CENTERED IN CEILING TILE, UON.
17. VERIFY MOUNTING HEIGHT OF ALL SUSPENDED FIXTURES WITH ARCHITECT.
18. VERIFY ALL ROUGH-INS WITH ARCHITECT PRIOR TO INSTALLATION.
19. SWITCHES AND RECEPTACLES SHALL BE BLACK WITH SS FACE PLATES, OR AS MY BE REQUIRED BY THE ARCHITECT. ALL TO BE COMMERCIAL GRADE, 20A RATED.



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





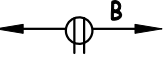










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	Mechanical and Electrical Permits	07-14-2018

ELECTRICAL NOTES

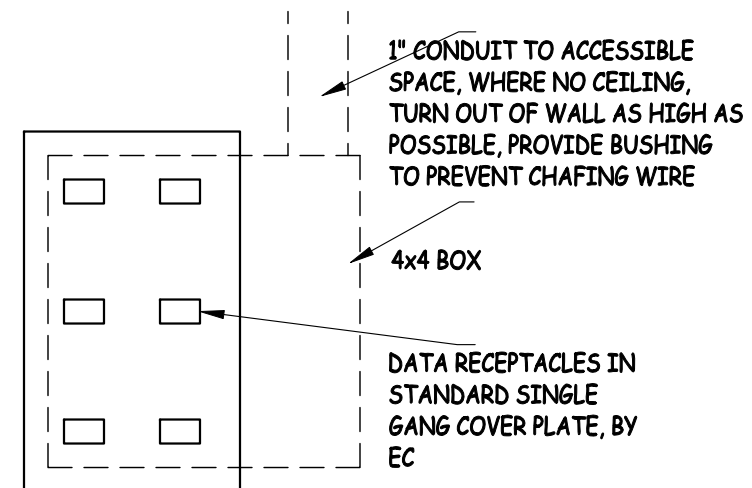
Project number	001-2017	E101
Date	2/14/2018	
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POWER SHEET SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GROUNDING DUPLEX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON; NUMBER INDICATES CIRCUIT.		GROUNDING QUADRUPLER RECEPTACLE (NEMA 5-15R); MOUNTED 18" AFF UON.
	GROUNDING DUPLEX RECEPTACLE (NEMA 5-15R); GROUND FAULT INTERRUPTOR		SPECIAL PURPOSE RECEPTACLE; SEE NOTES
	GROUNDING DUPLEX RECEPTACLE (NEMA 5-15R) MOUNTED 48" AFF		CLOCK RECEPTACLE; MOUNTED 84" AFF UON.
	MULTI OUTLET ASSEMBLY; LETTER INDICATES TYPE; TYPE DEFINED BY NOTATION OR SCHEDULE.		GROUNDING SINGLE FLOOR RECEPTACLE (NEMA 5-15R).
	THREE PHASE MOTOR		GROUNDING DUPLEX FLOOR RECEPTACLE (NEMA 5-15R).
	TELEPHONE, OR DATA OUTLET BOX, SEE NOTE 1		ELECTRICAL FLOOR BOX, SEE NOTE 2
	SPECIAL CONNECTION POWER		JURY STATUS ANNUNCIATOR
	POWER PANEL		MAGNETIC DOOR HOLD OPEN DEVICE
			TRANSFORMER, SEE SCHEDULE

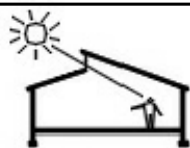
1. PROVIDE 4x4 BOX WITH CONDUIT TO ACCESSIBLE SPACE, SEE DETAIL, PROVIDE SWITCH PLATE COVER WITH NUMBER OF DATA RECEPTACLES SHOWN, RUN CAT 6 CABLE TO INCLUDE TERMINATION AT BOTH ENDS AS PART OF THE BASE BID WORK FOR THIS PROJECT.

2. X = NUMBER OF DUPLEX RECEPTACLES
 Y = NUMBER OF DATA RECEPTACLES
 Z = POWER CIRCUIT NUMBER(S)




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ELECTRICAL LEGENDS

Project number	001-2017	E102
Date	2/14/2018	
Drawn by	Author	
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LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG NUMBER	LAMPS	REMARKS
A	8 FT STRIP	LITHONIA TZL1D L96 10KLM FST MVOLT 50K	81W LED	1,2
B	2 FT STRIP	LITHONIA ZL1D L24 1500LM FST MVOLT 50K	17W LED	1
C	2x2 SURFACE ARCHITECTURAL	LITHONIA 2ACLX2 33L MVOLT EZ1 LP850	29W LED	1,2,4
D	2x4 SURFACE ARCHITECTURAL	LITHONIA 2ACLX4 48L EZ1 LP850	40W LED	1,2,4
E	2x2 RECESSED TROFFER	LITHONIA 2GTL2 20L EZ1 LP850	17W LED	1
F	WALL PACK	LITHONIA TWRI P4 50K MVOLT PE DDBXD	49W LED	1
G	EXTERIOR WALL LIGHT	LITHONIA VGR5C 40 MVOLT DDBT PE LPI	40W LED	1
H	SURFACE MOUNTED DISK	PROGRESS LIGHTING P8222-38-30K	17W LED	1
X1	THERMOPLASTIC EXIT	LITHONIA LQM S W 6 120	LED	3
X2	SAME AS X1 WITH REMOTE EXTERIOR HEAD			

- EQUAL FIXTURES (IN THE ENGINEERS OPINION) BY LITHONIA, METALUX, OR DAYBRITE, OR OTHER PRE-APPROVED MANUFACTURER'S ARE ACCEPTABLE.
- FIXTURES NOTED AS "EM" SHALL BE THE SAME AS THE FIXTURE LISTED IN THE SCHEDULE EXCEPT ADD A 1,400 LUMEN BATTERY PACK AND ASSORTED OPTIONS TO PROVIDE PROPER OPERATION ON LOSS OF POWER.
- MOUNTING, ARROWS, ETC, AS REQUIRED BY INSTALLATION LOCATION.
- DIMABLE.



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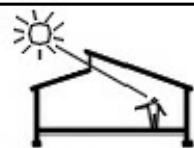
OCCUPANCY SENSOR SCHEDULE

TYPE	DESCRIPTION	MOUNTING	MOUNTING HGT.	MANUFACTURERS NO.	NOTES
S _{os}	WALL MOUNTED DUAL TECH	RECESSED	+48"	LUTRON LOS-S SERIES	1, 2
OS-1	WALL MTD. DUAL TECH	SURFACE	+80"	LUTRON LOS-W SERIES	
OS-2	CLG MTD. DUAL TECH	SURFACE	-	LUTRON LOS-C SERIES	
PP	POWER PACK	NIPPLE	ABOVE CLG.	LUTRON TO SUIT SENSORS	
S _T	TIMER SWITCH	RECESSED	+48"		
S _{ds}	DOOR JAMB SWITCH	RECESSED	AS REQ.	EDWARDS #DN415	

OR EQUAL BY LEVITON

NOTE:

- SEE SPECIFICATIONS FOR COLOR, BLACK WITH SS COVER PLATE IS TYPICAL.
- PROVIDE DUAL LIGHT LEVEL CAPABILITY AND WIRING CONNECTIONS.



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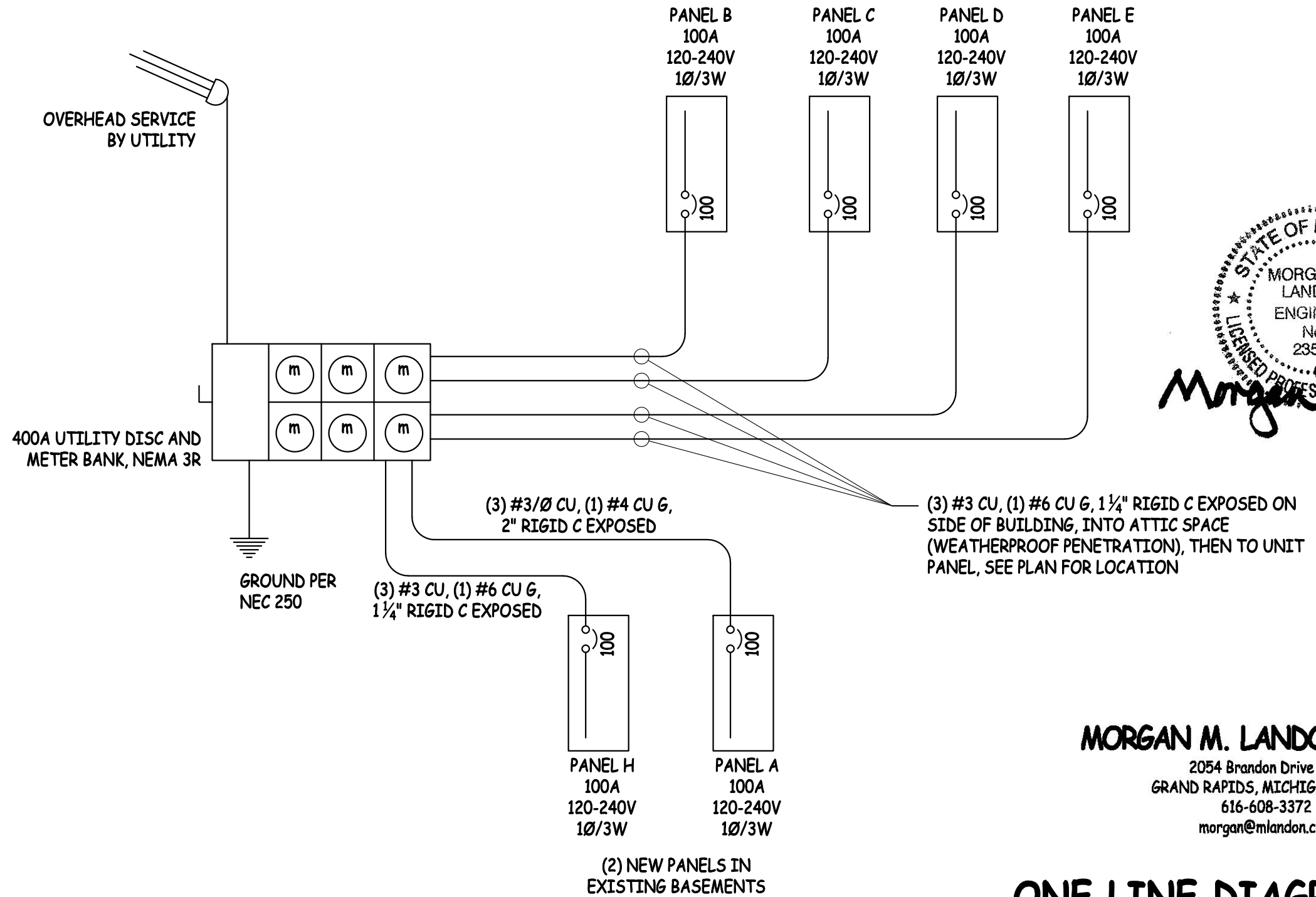
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ELECTRICAL LEGENDS

Project number 001-2017
 Date 2/14/2018
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E103

Scale



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ONE LINE DIAGRAM
NO SCALE

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ONE LINE DIAGRAM		
Project number	001-2017	E104
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Drawn by	Author	Scale
Checked by	Checker	

PANEL H MASJID SUNNAH

240-120 Volt / 1 Phase / 3 Wire

LOCATION: BASEMENT
SHEET NUMBER: E200
MOUNTING: SURFACE

CKT	DESCRIPTION	BA	VA1	VA2	BA	DESCRIPTION	CKT
1	RANGE	50	2400		25	RTU-B	2
3			1020	2400			1020
5	RECEPTACLES,KITCHEN	20	600		20		6
7	RECEPTACLES,KITCHEN	20		400	20		8
9	RECEPTACLES,LIVING	20	1200		20		10
11	RECEPTACLES,BATH	20		200	20		12
13	RECEPTACLES,BEDROOM	20	1200		20		14
15		20			20		16
17		20			20		18
19		20			20		20
21		20			20		22
23		20			20	LIGHTING	24
TOTALS			7620	5220			

CONNECTED VA 12840 #REF!
CONNECTED AMPS 54 #REF!
DEMAND VA
DEMAND AMPS
MAIN BREAKER 100A
SQUARE D TYPE NQ
MAIN BUS = 125
18,000 AIC RATING

PANEL A MASJID SUNNAH

240-120 Volt / 1 Phase / 3 Wire

LOCATION: BASEMENT
SHEET NUMBER: E200
MOUNTING: SURFACE

CKT	DESCRIPTION	BA	VA1	VA2	BA	DESCRIPTION	CKT	
1	F-1	20	1200	600	20	RM 6,RECEPTACLES	2	
3	CU-1	25		1500	400	20	RM 6,RECEPTACLES	4
5			1500	400	20	RM 6,RECEPTACLES	6	
7	F-2	20		1200	400	20	RM 5,RECEPTACLES	8
9	CU-2	25	1500	600	20	RM 5,RECEPTACLES	10	
11				1500	400	20	RM 9,RECEPTACLES	12
13	RECEPTACLES,BASEMENT	20	1000	400	20	RM 1,4,RECEPTACLES	14	
15	RECEPTACLES,BASEMENT	20		1000	400	20	RM 2,RECEPTACLES	16
17	EWH-101	20	1500		20		18	
19	EWH-102	20		1500	20		20	
21	EWH-104	20	1500		20		22	
23	EWH-107	20		1500	20		24	
25	EWH-109	20	1500		20		26	
27	EWH-5	20		1500	20		28	
29	RECEPTACLES, RM 6	20	800		20		30	
31	RECEPTACLES, RM 6	20		400	20		32	
33	RECEPTACLES, RM 6	20	600		20		34	
35		20			20		36	
37		20			20		38	
39		20			20		40	
41		20			20		42	
TOTALS			13100	11700				

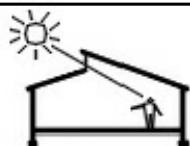
CONNECTED VA 24800 19200
CONNECTED AMPS 104 80
DEMAND VA
DEMAND AMPS
MAIN BREAKER 200A
SQUARE D TYPE NQ
MAIN BUS = 225
18,000 AIC RATING



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**Interior Renovation
Masjid Sunnah**

2312 South Division Avenue
Grand Rapids, Michigan 49507

No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

ELECTRICAL PANELBOARDS

Project number 001-2017
Date 2/14/2018
Drawn by Author
Checked by Checker

E105

Scale

PANEL B MASJID SUNNAH

240-120 Volt / 1 Phase / 3 Wire

LOCATION: RESIDENTIAL UNIT B
SHEET NUMBER: E202
MOUNTING: SURFACE

CKT	DESCRIPTION	BA	VA1	VA2	BA	DESCRIPTION	CKT
1	RANGE	50	2400 1020		25	RTU-B	2
3				2400 1020			4
5	RECEPTACLES,KITCHEN	20	600 1200		20	BEDROOM 2,RECEPTACLES	6
7	RECEPTACLES,KITCHEN	20		400	20	EXTERIOR,RECEPTACLE	8
9	RECEPTACLES,LIVING	20	1200		20		10
11	RECEPTACLES,BATH	20		200	20		12
13	RECEPTACLES,BEDROOM	20	1200		20		14
15		20			20		16
17		20			20		18
19		20			20		20
21		20			20		22
23		20		1200	20	LIGHTING	24
TOTALS			7620	5220			

CONNECTED VA 12840 12020 DEMAND VA
CONNECTED AMPS 54 51 DEMAND AMPS

MAIN BREAKER 100A SQUARE D TYPE NQ MAIN BUS = 125 18,000 AIC RATING

PANEL C MASJID SUNNAH

240-120 Volt / 1 Phase / 3 Wire

LOCATION: RESIDENTIAL UNIT C
SHEET NUMBER: E201
MOUNTING: SURFACE

CKT	DESCRIPTION	BA	VA1	VA2	BA	DESCRIPTION	CKT
1	RANGE	50	2400 1020		25	RTU-C	2
3				2400 1020			4
5	RECEPTACLES,KITCHEN	20	600 1200		20		6
7	RECEPTACLES,KITCHEN	20		400	20		8
9	RECEPTACLES,LIVING	20	1200		20		10
11	RECEPTACLES,BATH	20		200	20		12
13	RECEPTACLES,BEDROOM	20	1200		20		14
15		20			20		16
17		20			20		18
19		20			20		20
21		20			20		22
23		20		1200	20	LIGHTING	24
TOTALS			7620	5220			

CONNECTED VA 12840 12020 DEMAND VA
CONNECTED AMPS 54 51 DEMAND AMPS

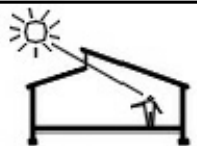
MAIN BREAKER 100A SQUARE D TYPE NQ MAIN BUS = 125 18,000 AIC RATING



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**Interior Renovation
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2312 South Division Avenue
Grand Rapids, Michigan 49507

No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

ELECTRICAL LEGENDS

Project number	001-2017
Date	2/14/2018
Drawn by	Author
Checked by	Checker

E106

Scale

PANEL D MASJID SUNNAH							
240-120 Volt / 1 Phase / 3 Wire				LOCATION: RESIDENTAIL UNIT D			
				SHEET NUMBER: E202			
				MOUNTING: SURFACE			
CKT	DESCRIPTION	BA	VA1	VA2	BA	DESCRIPTION	CKT
1	RANGE	50	2400 1020		25	RTU-D	2
3				2400 1020			4
5	RECEPTACLES,KITCHEN	20	600		20		6
7	RECEPTACLES,KITCHEN	20		400	20	EXTERIOR,RECEPTACLE	8
9	RECEPTACLES,LIVING	20	1200		20		10
11	RECEPTACLES,BATH	20		200	20		12
13	RECEPTACLES,BEDROOM	20	1200		20		14
15		20			20		16
17		20			20		18
19		20			20		20
21		20			20		22
23		20			20	LIGHTING	24
TOTALS			6420	5220			
CONNECTED VA			11640	11420	DEMAND VA		
CONNECTED AMPS			49	48	DEMAND AMPS		
MAIN BREAKER 100A					MAIN BUS = 125		
SQUARE D TYPE NQ					18,000 AIC RATING		

PANEL E MASJID SUNNAH							
240-120 Volt / 1 Phase / 3 Wire				LOCATION: RESIDENTAIL UNIT E			
				SHEET NUMBER: E202			
				MOUNTING: SURFACE			
CKT	DESCRIPTION	BA	VA1	VA2	BA	DESCRIPTION	CKT
1	RANGE	50	2400 1020		25	RTU-E	2
3				2400 1020			4
5	RECEPTACLES,KITCHEN	20	600		20		6
7	RECEPTACLES,KITCHEN	20		400	20	EXTERIOR,RECEPTACLE	8
9	RECEPTACLES,LIVING	20	1200		20		10
11	RECEPTACLES,BATH	20		200	20		12
13	RECEPTACLES,BEDROOM	20	1200		20		14
15		20			20		16
17		20			20		18
19		20			20		20
21		20			20		22
23		20			20	LIGHTING	24
TOTALS			6420	5220			
CONNECTED VA			11640	11420	DEMAND VA		
CONNECTED AMPS			49	48	DEMAND AMPS		
MAIN BREAKER 100A					MAIN BUS = 125		
SQUARE D TYPE NQ					18,000 AIC RATING		


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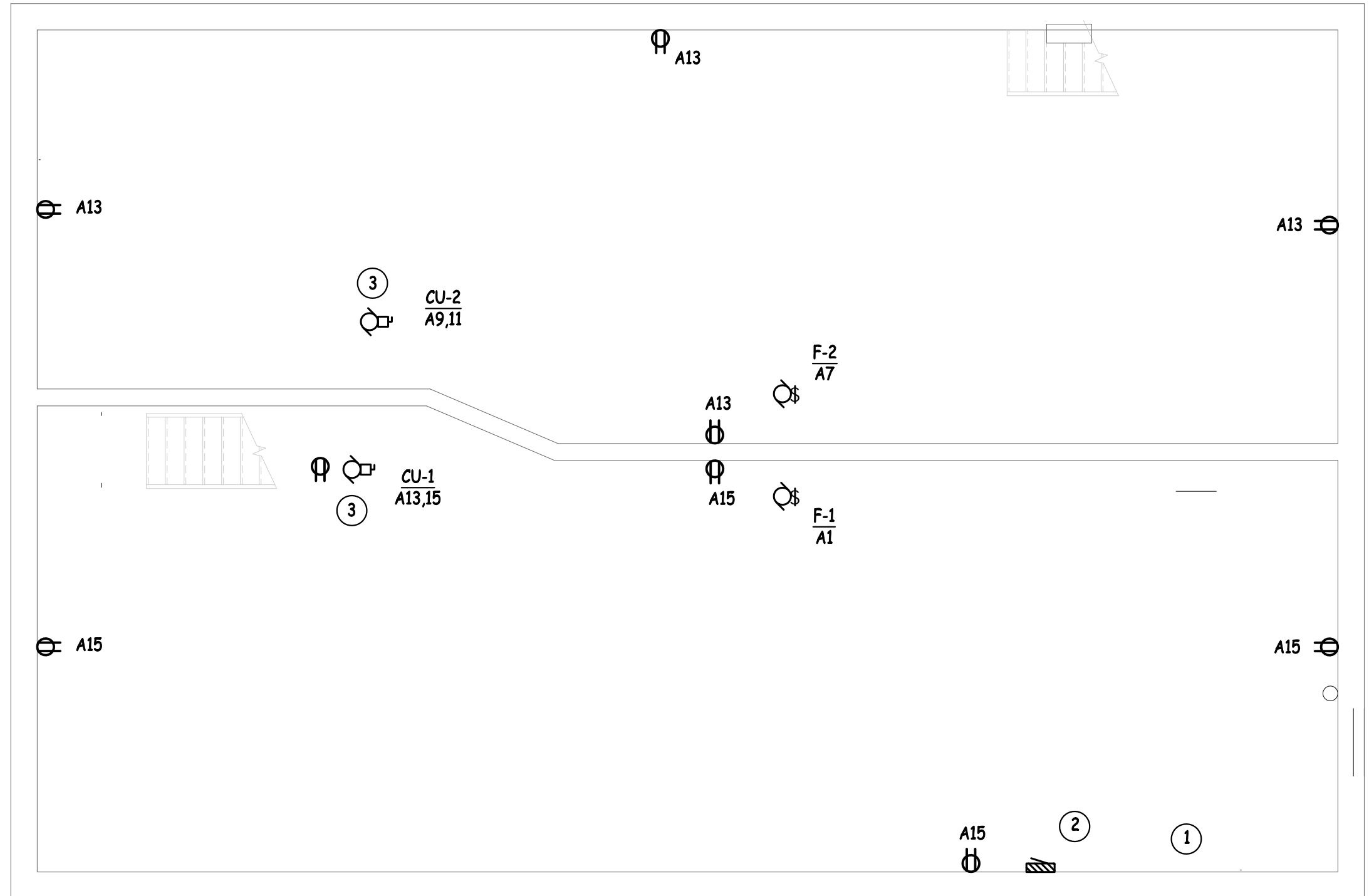
Interior Renovation
Masjid Sunnah
 2312 South Division Avenue
 Grand Rapids, Michigan 49507

No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

ELECTRICAL LEGENDS		
Project number	001-2017	E107
Date	2/14/2018	
Drawn by	Author	
Checked by	Checker	
		Scale

KEYED NOTES- E200

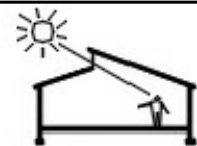
1. REMOVE ALL ABANDONED ELECTRIC EQUIPMENT, WIRING, CONDUIT ETC.
2. FEED NEW 200A PANEL FROM NEW SERVICE, SEE E201.
3. CONDENSING UNITS OF ROOF, NEMA 3R DISCONNECT, PROVIDE MAINTENANCE RECEPTACLE, WEATHERPROOF.



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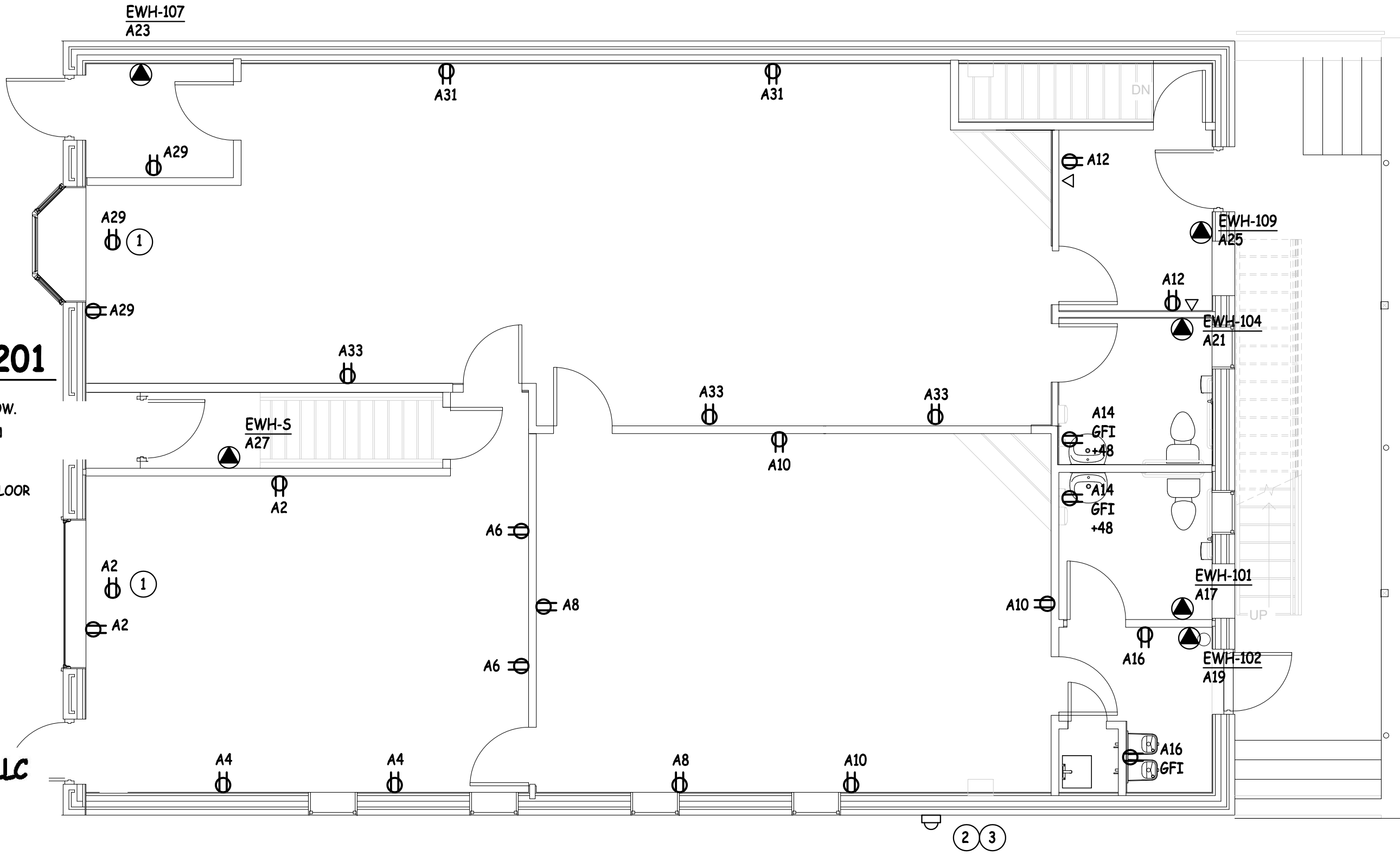
2312 South Division Avenue
Grand Rapids, Michigan 49507

No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

POWER BASEMENT PLAN		
SCALE: 3/8" = 1'-0"		
Project number	001-2017	<h1>E200</h1>
Date	2/14/2018	
Drawn by	Author	
Checked by	Checker	
		Scale



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07.14.18



KEYED NOTES- E201

1. RECEPTACLE AT CEILING FOR SHOW WINDOW.
2. PROVIDE NEW 200A METER AND SERVICE IN LIEU OF EXISTING, COORDINATE WITH UTILITY.
3. EXISTING FEED AND METERS TO SECOND FLOOR TO REMAIN "AS IS".

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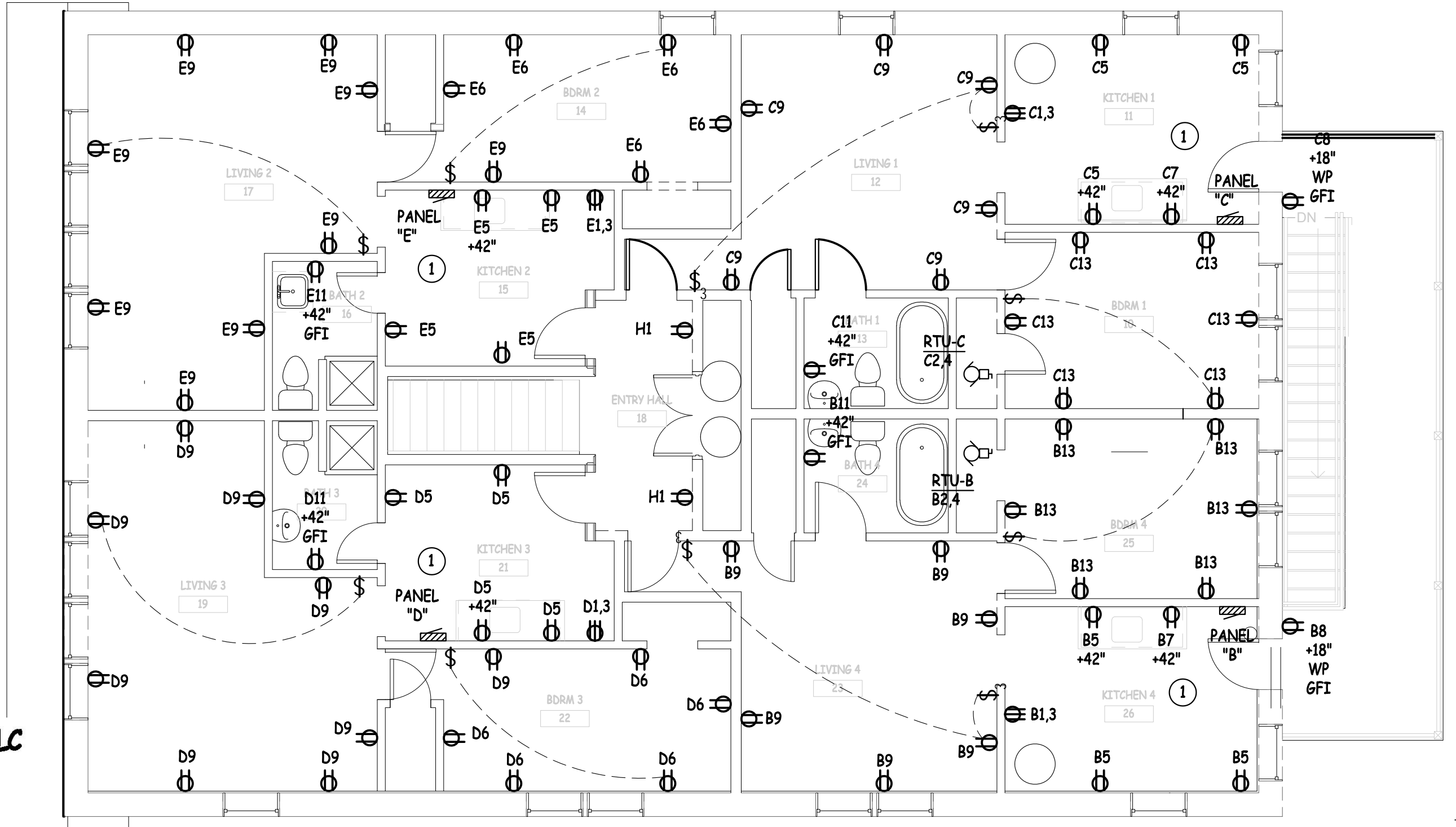
No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

POWER FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

Project number	001-2017	E201
Date	2/14/2018	
Drawn by	Author	
Checked by	Checker	
		Scale

KEYED NOTES- E202

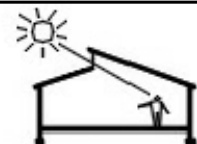
- ALL RECEPTACLES IN THE KITCHEN TO BE GFI.



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No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

POWER SECOND FLOOR PLAN

SCALE: 3/16" = 1'-0"

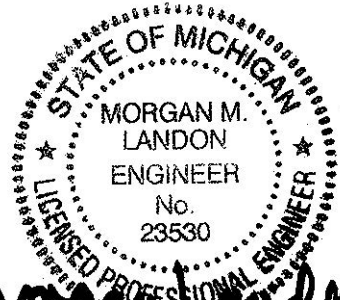
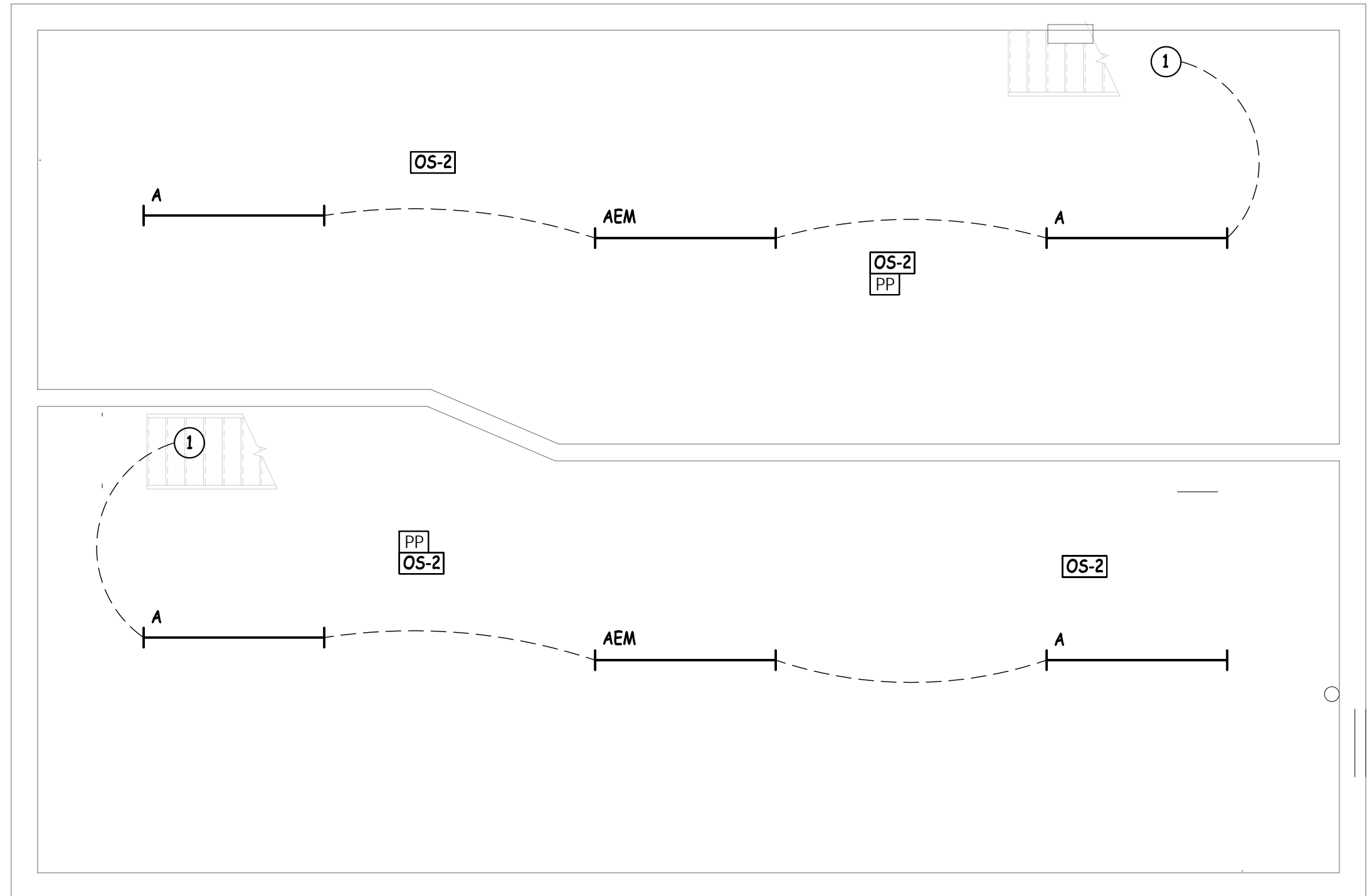
Project number	001-2017
Date	2/14/2018
Drawn by	Author
Checked by	Checker

E202

Scale

KEYED NOTES- E300

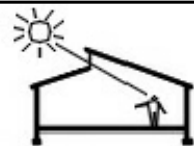
- CONNECT TO LIGHT FIXTURE IN STAIR, SEE M201.



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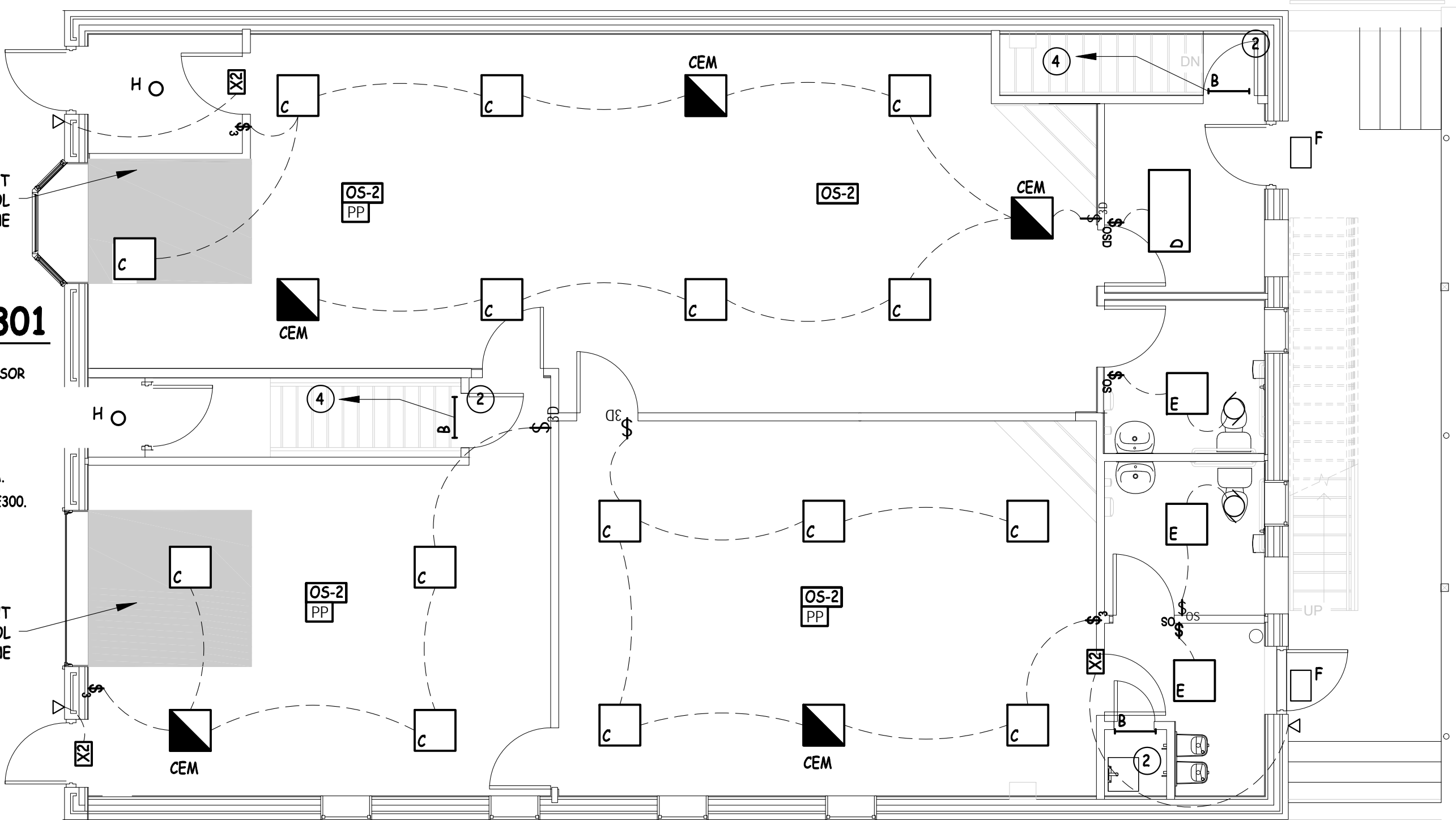
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Interior Renovation Masjid Sunnah

2312 South Division Avenue
Grand Rapids, Michigan 49507

No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

LIGHTING BASEMENT PLAN		
SCALE: 3/8" = 1'-0"		
Project number	001-2017	E300
Date	2/14/2018	
Drawn by	Author	Scale
Checked by	Checker	



KEYED NOTES- E301

1. MOUNT STRIP LIGHT ABOVE DOOR, OCC SENSOR SWITCH.
2. MOUNT ON WALL ABOVE DOOR, PROVIDE MANUAL SWITCH ON, OCC SENSOR OFF CONTROL.
3. DAYLITE CONTROL REQUIRED IN THIS AREA.
4. CONNECTS TO LIGHTS IN BASEMENT, SEE E300.

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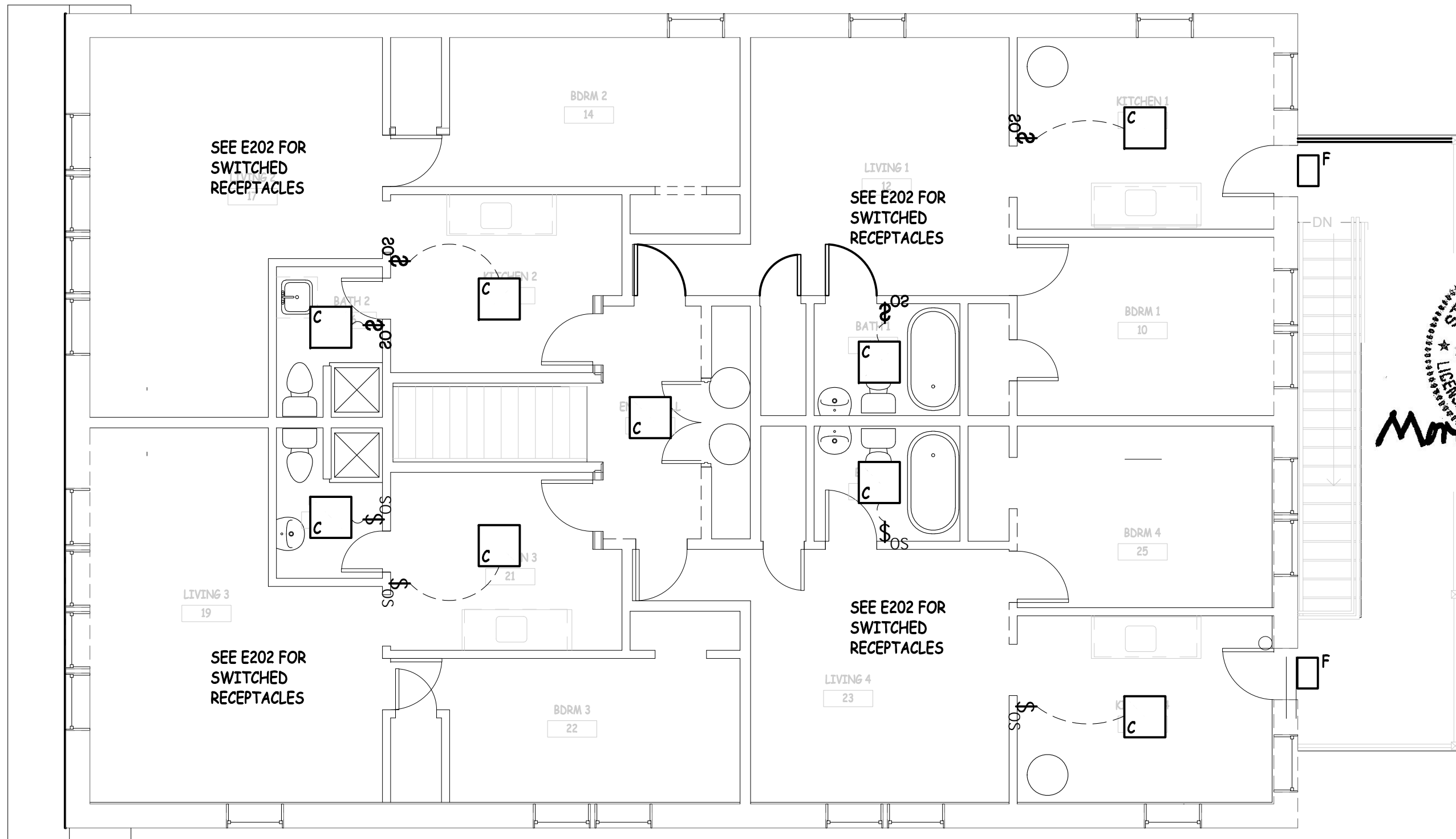
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No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

LIGHTING FIRST FLOOR PLAN		E301
SCALE: 3/8" = 1'-0"		
Project number	001-2017	Scale
Date	2/14/2018	
Drawn by	Author	
Checked by	Checker	



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No.	Description	Date
	Plumbing Permits	07-05-2018
	Mechanical and Electrical Permits	07-14-2018

LIGHTING SECOND FLOOR PLAN		E302
SCALE: 3/8" = 1'-0"		
Project number	001-2017	Scale
Date	2/14/2018	
Drawn by	Author	
Checked by	Checker	