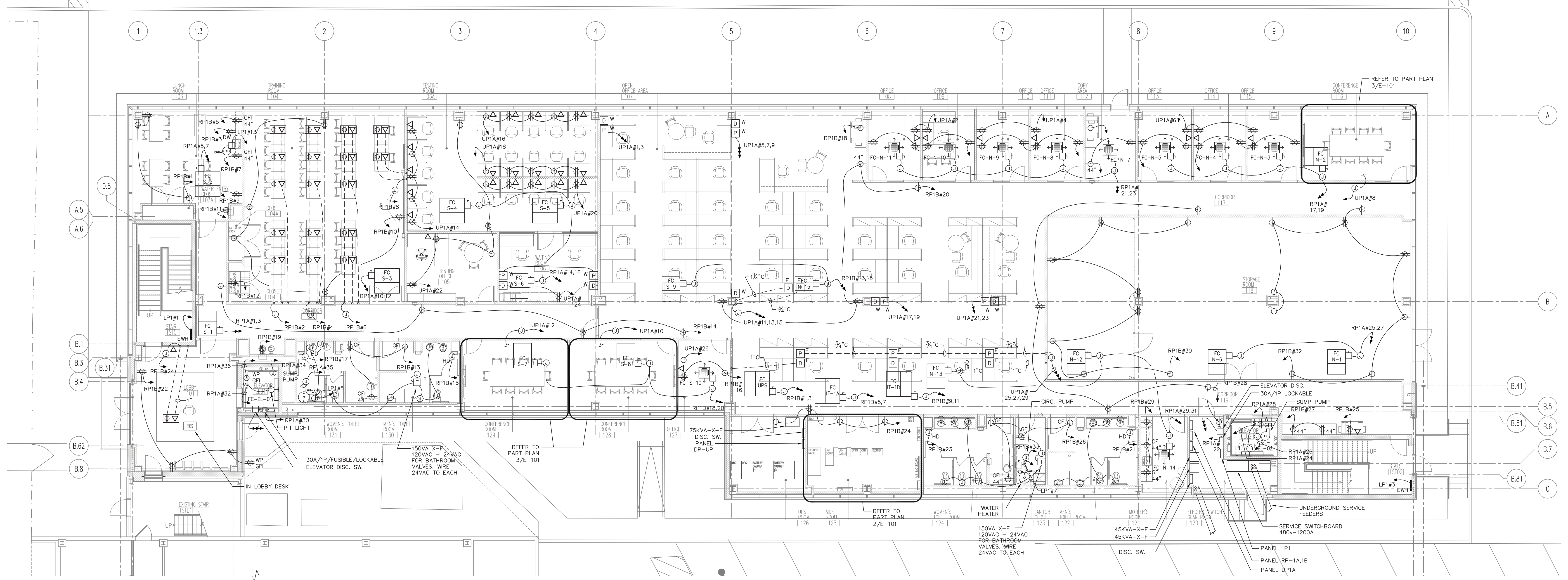
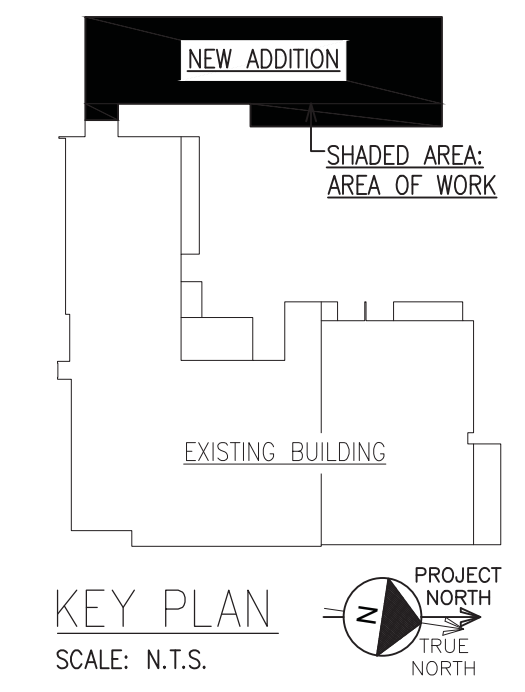
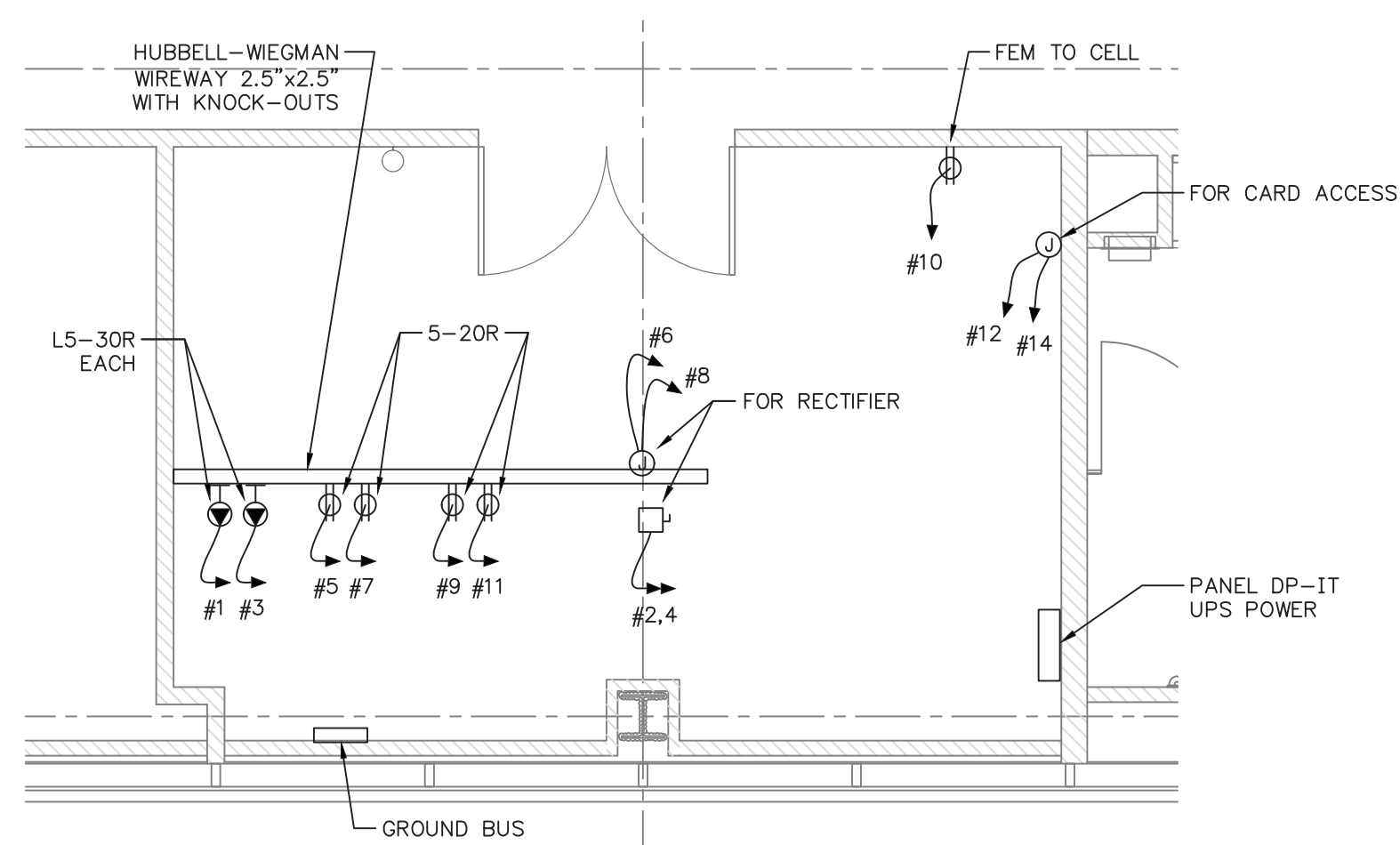




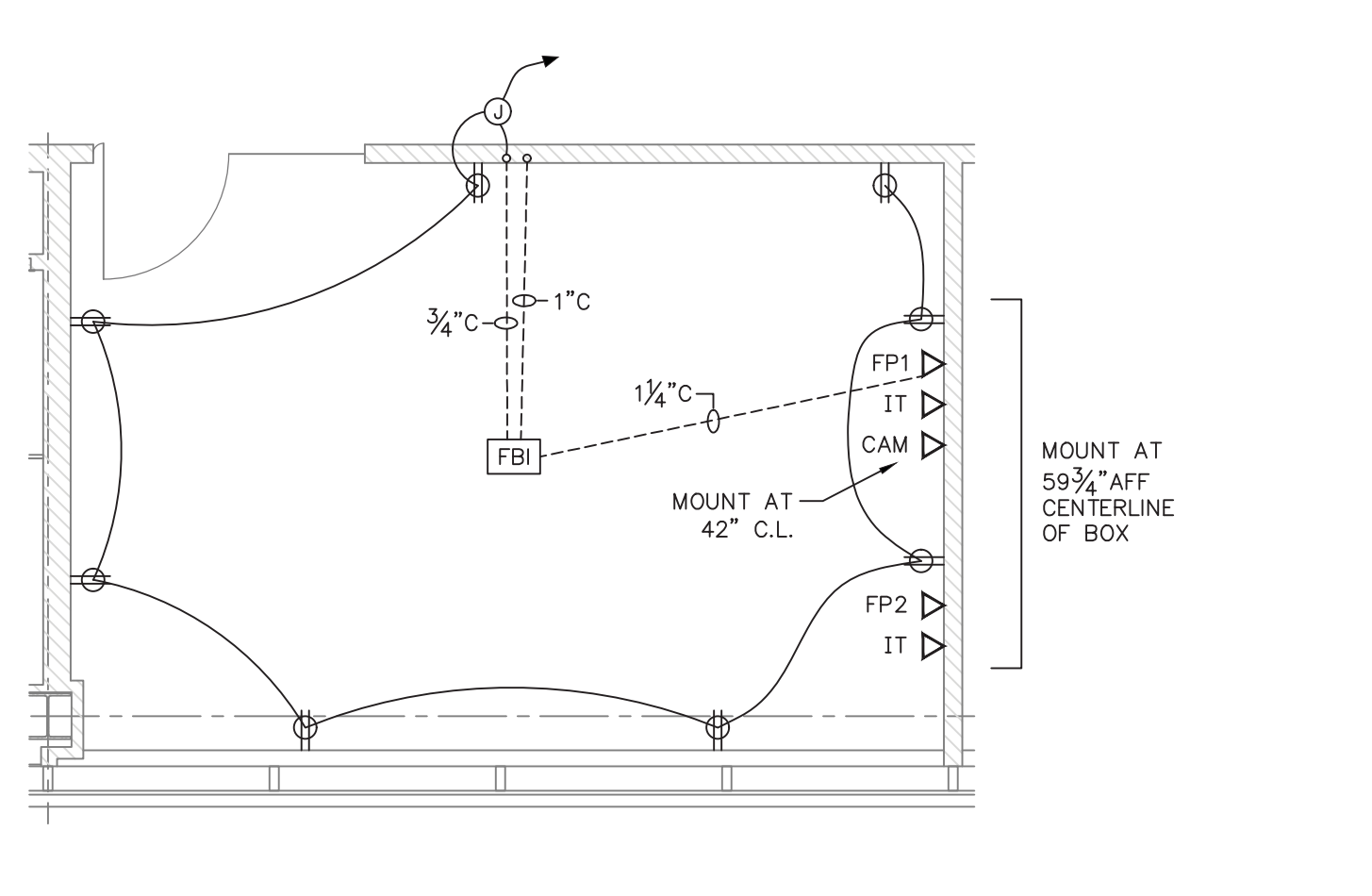
1 1st FLOOR PLAN
SCALE: 1/8" = 1'-0"

ELECTRICAL LEGEND	
	20A DUPLEX 125V RECEPTACLE (IVORY)
	20A GFI DUPLEX RECEPTACLE 125V MOUNTED 48" AFF TO TOP OF BOX (IVORY)
	20A QUAD RECEPTACLE 125V
	JUNCTION BOX
	RECEPTACLE-SPECIAL
	3/4" CONDUIT & SINGLE GANG BOX. CONDUIT STUBBED ABOVE HUNG CEILING, PROVIDE NYLON BUSHING & PULL CORD
	3/4" CONDUIT & (2) GANG BOX. CONDUIT STUBBED ABOVE HUNG CEILING, PROVIDE NYLON BUSHING & PULL CORD.
	FLUSH WALL MOUNTED 2-GANG BOX WITH 1" EMPTY CONDUIT STUBBED INTO HUNG CEILING, PROVIDE 1" GROMMETED FACEPLATE FOR CONNECTION TO FURNITURE SYSTEM (VOICE/DATA), MOUNTED 4" AFF
	FLUSH WALL MOUNTED JUNCTION BOX FOR POWER CONNECTION TO FURNITURE SYSTEM. PROVIDE LIQUID TITE CONDUIT FOR CONNECTION, SIZE AND LENGTH AS REQUIRED, MOUNTED 4" AFF FINAL CONNECTION BY CONTRACTOR
	FLUSH FLOOR BOX FOR "ON GRADE" APPLICATION FOR CONNECTION TO FURNITURE SYSTEM DATA. PROVIDE LIQUID TITE CONNECTION TO FURNITURE FINAL CONNECTIONS BY OTHERS.
	FLUSH FLOOR BOX FOR "ON GRADE" APPLICATION FOR CONNECTION TO FURNITURE SYSTEM POWER. PROVIDE 1X" LIQUID TITE CONNECTION TO FURNITURE AND FINAL CONNECTIONS.
	FLUSH FLOOR BOX, MULTI-USE BOX WITH (1) DUPLEX RECEPTACLE, WIRE MOLD EVOLUTION 4/5 BOX WITH FLUSH COVER AND FLOOR INSERT #B745CTX
	DISCONNECT SWITCH
	COMBINATION STARTER/DISCONNECT SWITCH
	COMBINATION STARTER/DISCONNECT SWITCH WITH OCP
	ELECTRICAL CONTACTOR
	TIME CLOCK
	SINGLE POLE HOME RUN TO PANEL, TYPICAL BRANCH CIRCUIT.
	TWO POLE HOME RUN TO PANEL, TYPICAL 2 POLE BRANCH CIRCUIT OR 2 POLE APPLIANCE CIRCUIT
	THREE POLE HOME RUN TO PANEL, TYPICAL 3 PHASE BRANCH CIRCUIT OR 3 PHASE FEEDER.
	TOGGLE SWITCH
	FLUSH MOUNTED COMBINATION POWER/DATA FLOOR BOX, ONE 20A DUPLEX AND DATA/TEL PORTS, WIREMOLD MODEL RP7CTCBK, RPSFB-OG FOR ON GRADE APPLICATION, BLACK FINISH.
	FLUSH MOUNTED COMBINATION POWER/DATA POKE THRU, ONE 20A DUPLEX AND DATA/TEL PORTS, WIREMOLD MODEL RC4ATCBK, BLACK FINISH.
	POKE THRU FOR DATA FURN FEED
	POKE THRU FOR POWER FURN FEED. PROVIDE LIQUID TITE WHP AND CONNECTION TO FURNITURE.
	AREA OF REFUGE BASE STATION
	AREA OF REFUGE CALL BOXES

ELECTRICAL ABBREVIATIONS	
AB. ABOVE	LC LIGHTING CONTACTOR
AC. AIR CONDITIONING	LPS LIGHTING PANELBOARD
A/C. ABOVE FINISH FLOOR	LTG. LIGHTING
AFF. ABOVE FINISH GRADE	LV. LOW VOLTAGE
AMP. APPROXIMATE	MAX. MAXIMUM
ARCH. ARCHITECT	MDP MAIN DISTRIBUTION PANELBOARD
AUX. AUXILIARY	MDS MAIN DISTRIBUTION SWITCHBOARD
BFG. BELOW FINISH GRADE	MFR. MANUFACTURER
BLDG. BUILDING	MH. MANHOLE
BKR. BREAKER	MIN. MINIMUM
BRD. BOARD	MTG. MOUNTING
BTM. BOTTOM	MTL. METAL
CAB. CABINET	MTR. MOTOR
CAT. CENTER TO CENTER	N.C. NORMALLY CLOSED
CKT. CIRCUIT	N.E.C. NATIONAL ELECTRICAL CODE
CL. CENTER LINE	N.L.C. NOT IN CONTRACT
CLG. CENTER LINE	N.O. NORMALLY OPEN
COORD. COORDINATE	NTS. NOT TO SCALE
CONC. CONCRETE	P.S. PUSHPUTTON
CONN. CONNECT	PLUMBING CONTRACTOR
CONTR. CONTRACTOR	PLGB. PHASE
CU. COPPER	PML. PANEL
DC. DIRECT CURRENT	PP. POWER PANELBOARD
DIA. DIAMETER	PRI. PRIMARY
DISC. DISCONNECT	PRG. PROGRAM
DN. DOWN	PVC. POLYVINYLCHLORIDE
DP. DISTRIBUTION PANELBOARD	PWR. POWER
DS. DISTRIBUTION SWITCHGEAR	RC. REMOTE CONTROL
DWGS. DRAWINGS	REC. RECEPTACLE
EF. EXHAUST FAN	REQD. REQUIRED
ELEC. ELECTRIC	RD. ROOM
EM. EMERGENCY	SDP. SUB DISTRIBUTION PANELBOARD
EQUIP. EQUIPMENT	SPD. SURGE PROTECTION DEVICE
ENC. ELECTRIC WATER COOLER	SHT. SHEET
EX. EXISTING	SPEC. SPECIFICATION
FA. FIRE ALARM	SPKLR. SPKLR
FIX. FIXTURE	STAT. THERMOSTAT
FLR. FLOOR	SW. SWITCH
FLUOR. FLUORESCENT	SWBD. SWITCHBOARD
F.P.C. FIRE PROTECTION CONTRACTOR	SYS. SYSTEM
FU. FUSE, FUSED, OR FUSIBLE	T.C. TIME CLOCK
FURN. FURNITURE	TEMP. CONTROL CONTRACTOR
FUT. GENERAL CONTRACTOR	TEL. TELEPHONE OR TELECOMMUNICATION
G.C. GENERAL	TERM. TERMINAL OR TERMINATE
GND. GROUND	TFMR. TRANSFORMER
H.C. HVAC OR HEATING CONTRACTOR	TTB. TELEPHONE TERMINAL BOARD
HD. HIGH INTENSITY DISCHARGE	TTT. TELEPHONE TERMINAL CABINET
HPS. HIGH PRESSURE SODIUM	TYP. TYPICAL
HT. HEIGHT	UPS. UNINTERRUPTIBLE POWER SYSTEM
HTG. HEATING	V. VOLT
H2. HERTZ	VA. VOLT AMP
J.B. JUNCTION BOX	VAR. VOLT AMPERE REACTIVE
KV. KILOVOLT	W. WATT OR WIRE
KVA. KILOVOLT AMPERE	WG. WIREGUARD
KW. KILOWATT	WP. WEATHERPROOF
	W/ WITH
	W/O WITHOUT

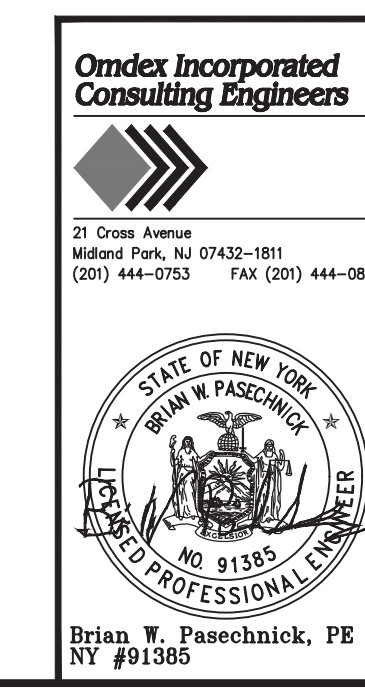


2 MDF ROOM PART PLAN
SCALE: 1/4" = 1'-0"



3 TYPICAL MEDIUM CONF. ROOM PART PLAN-TYPICAL ROOMS 116,128,129,218,219
SCALE: 1/4" = 1'-0"

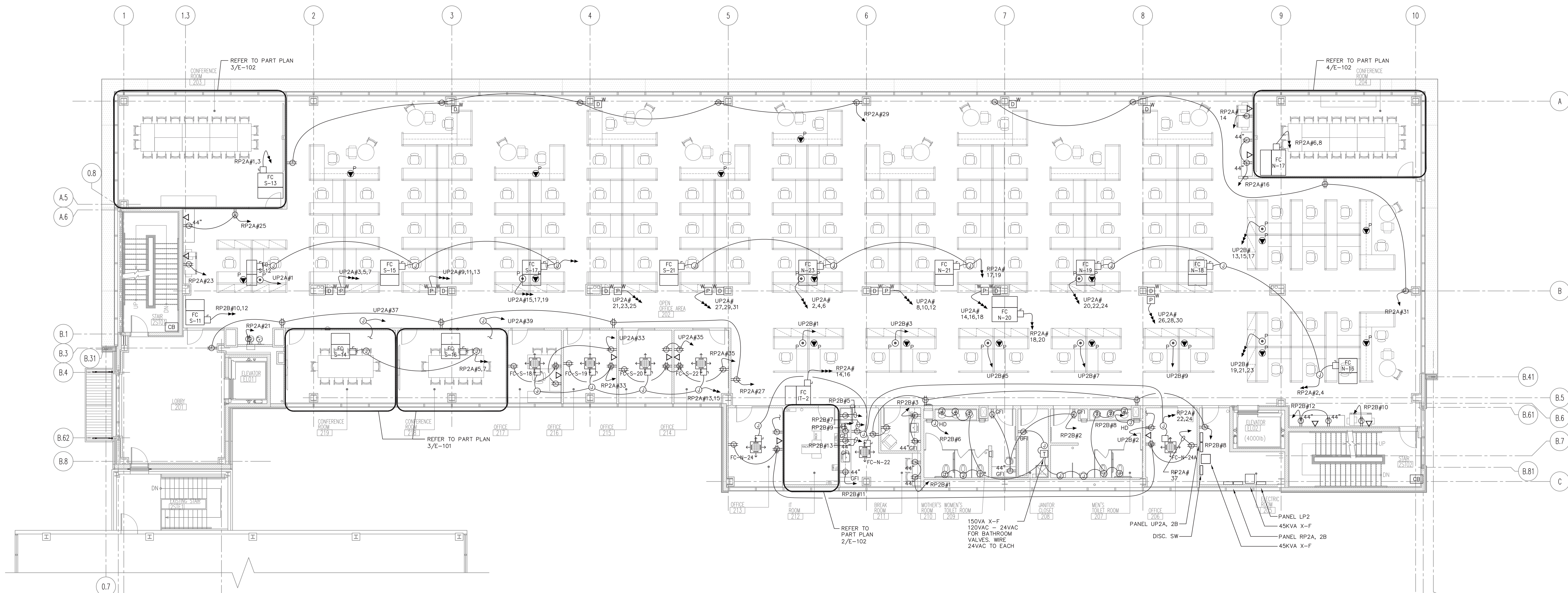
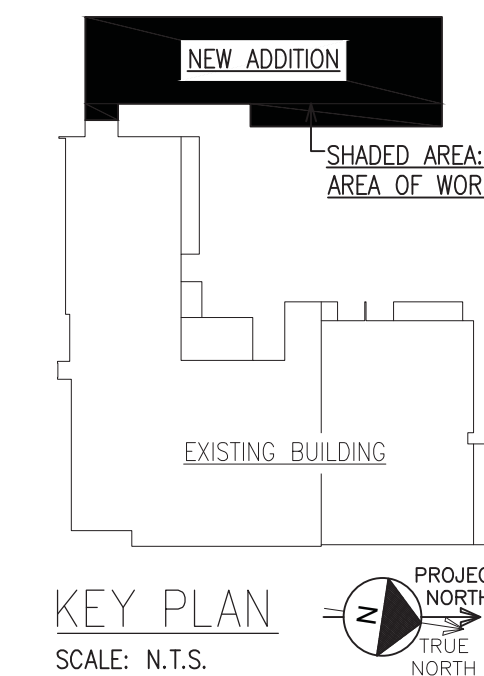
FP1 1/4" STUB INTO CEILING, 1/4" CONDUIT TO FLOOR BOX
FP2 1/4" STUB INTO CEILING
CAM 1/4" STUB INTO CEILING



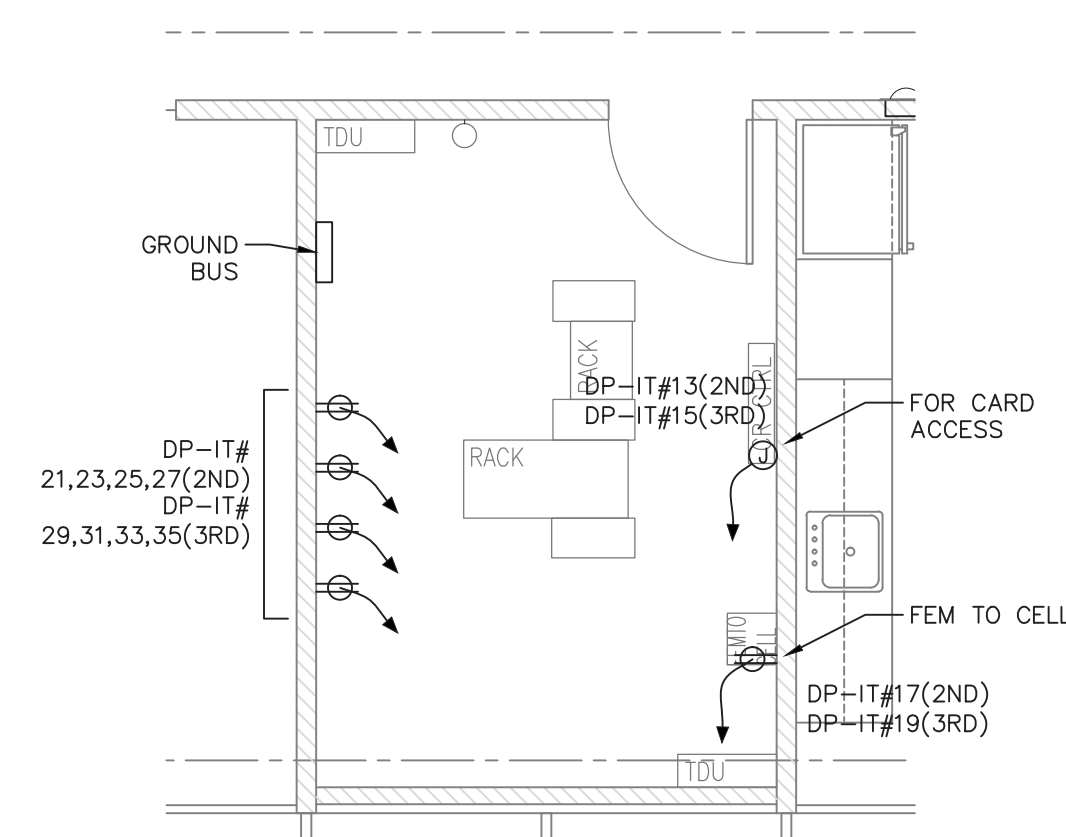
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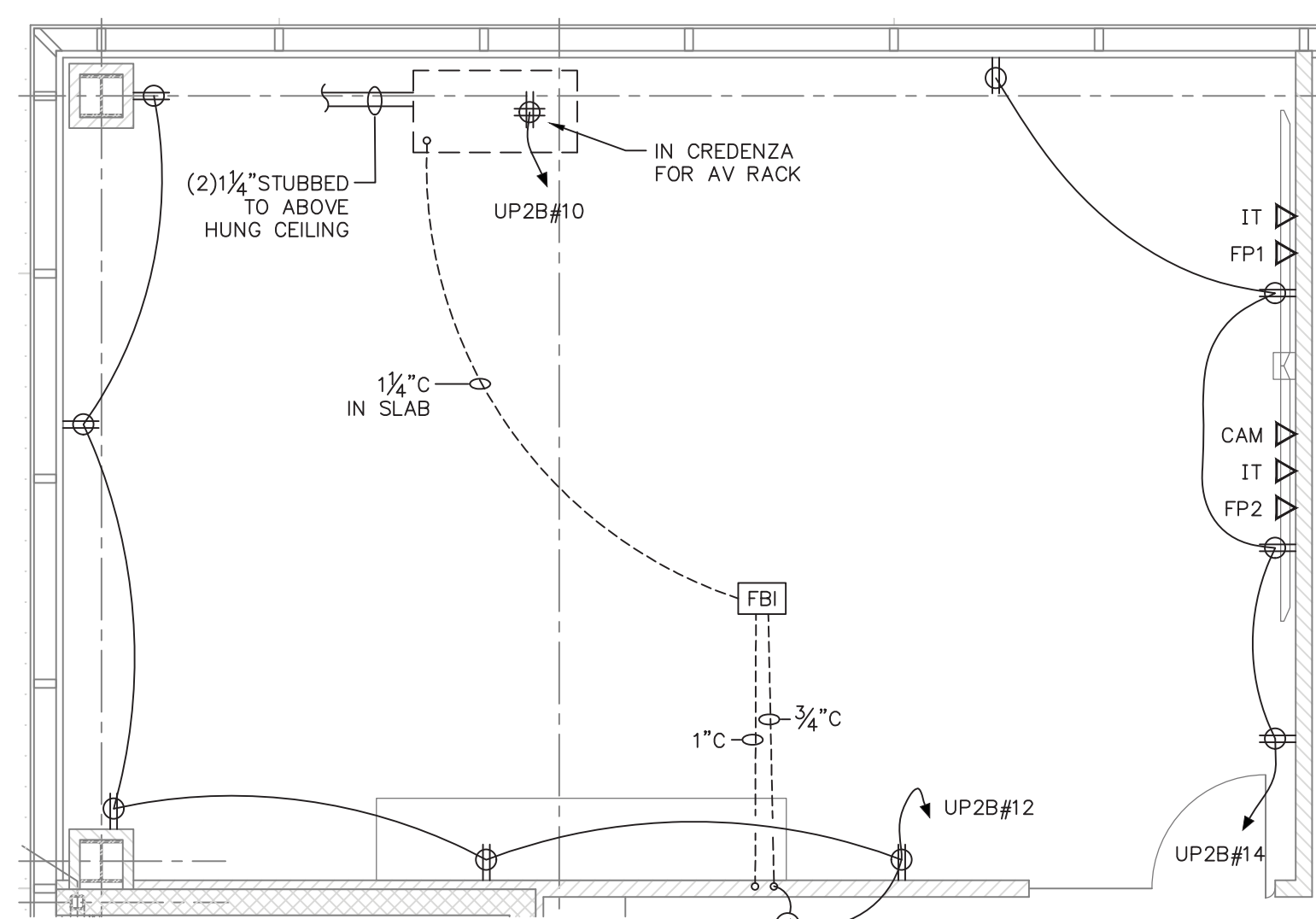
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ORANGE AND ROCKLAND UTILITIES, INC. SPRING VALLEY NEW YORK		
SVOC NEW OFFICE ADDITION TAX MAP ID 68.52-1-2 300 WEST ROUTE 64 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK		
FILE NO.	DRAWING NUMBER	SHEET
E-101		63 OF 95
ROCKLAND COUNTY, NEW YORK		
John Lignos, AIA Lorin J. Sonenshine, AIA Steven Napolitano, PE, PP Robert Nocella, AIA		



1 2nd FLOOR PLAN
SCALE: 1/8" = 1'-0"

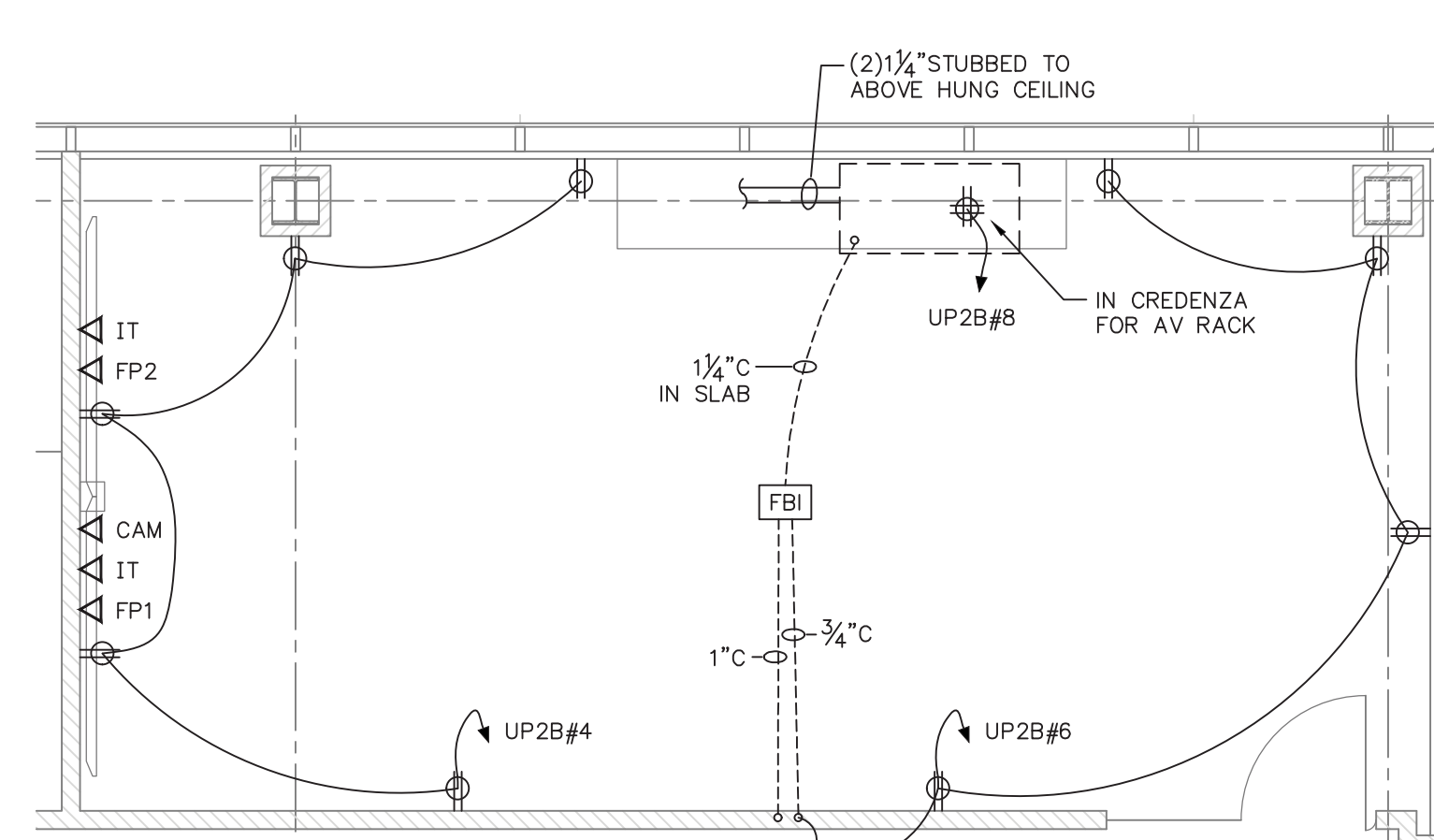


2 TYPICAL 2ND & 3RD FLOOR IT ROOM PART PLAN
SCALE: 1/4" = 1'-0"



3 CONF. ROOM 203 PART PLAN
SCALE: 1/4" = 1'-0"

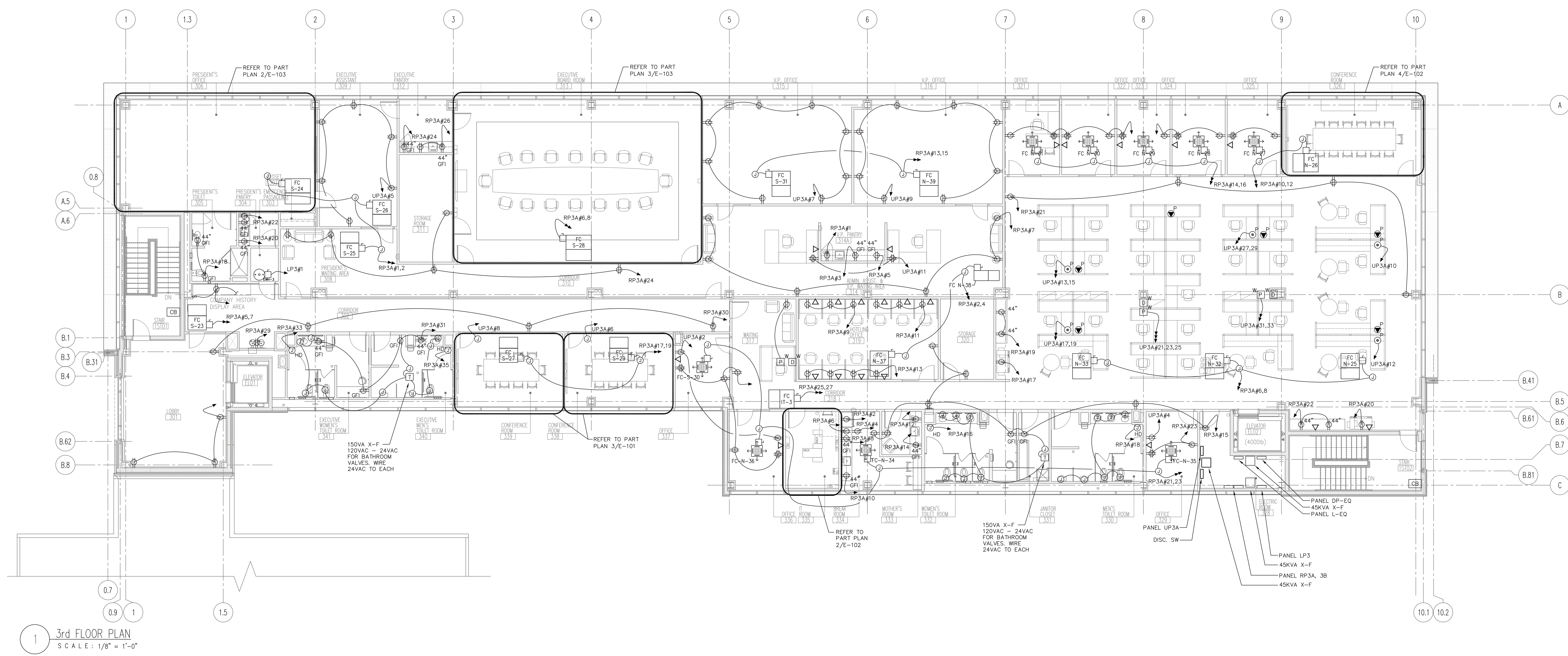
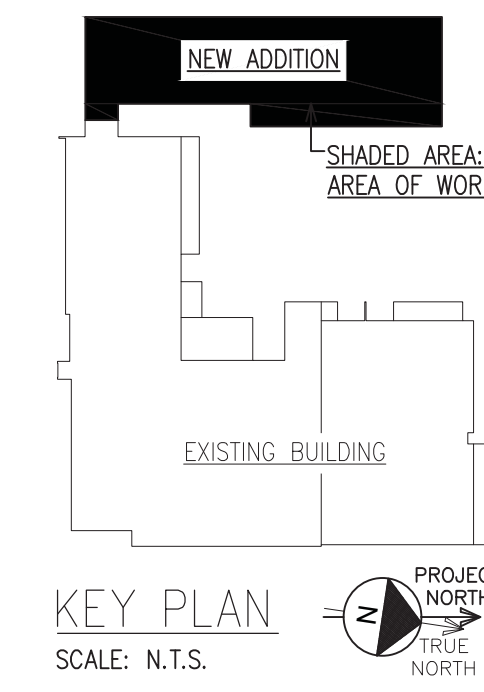
FP1 ∇ 1/4" STUB INTO CEILING, 1/4" CONDUIT TO FLOOR BOX
FP2 ∇ 1/4" STUB INTO CEILING
CAM ∇ 1/4" STUB INTO CEILING



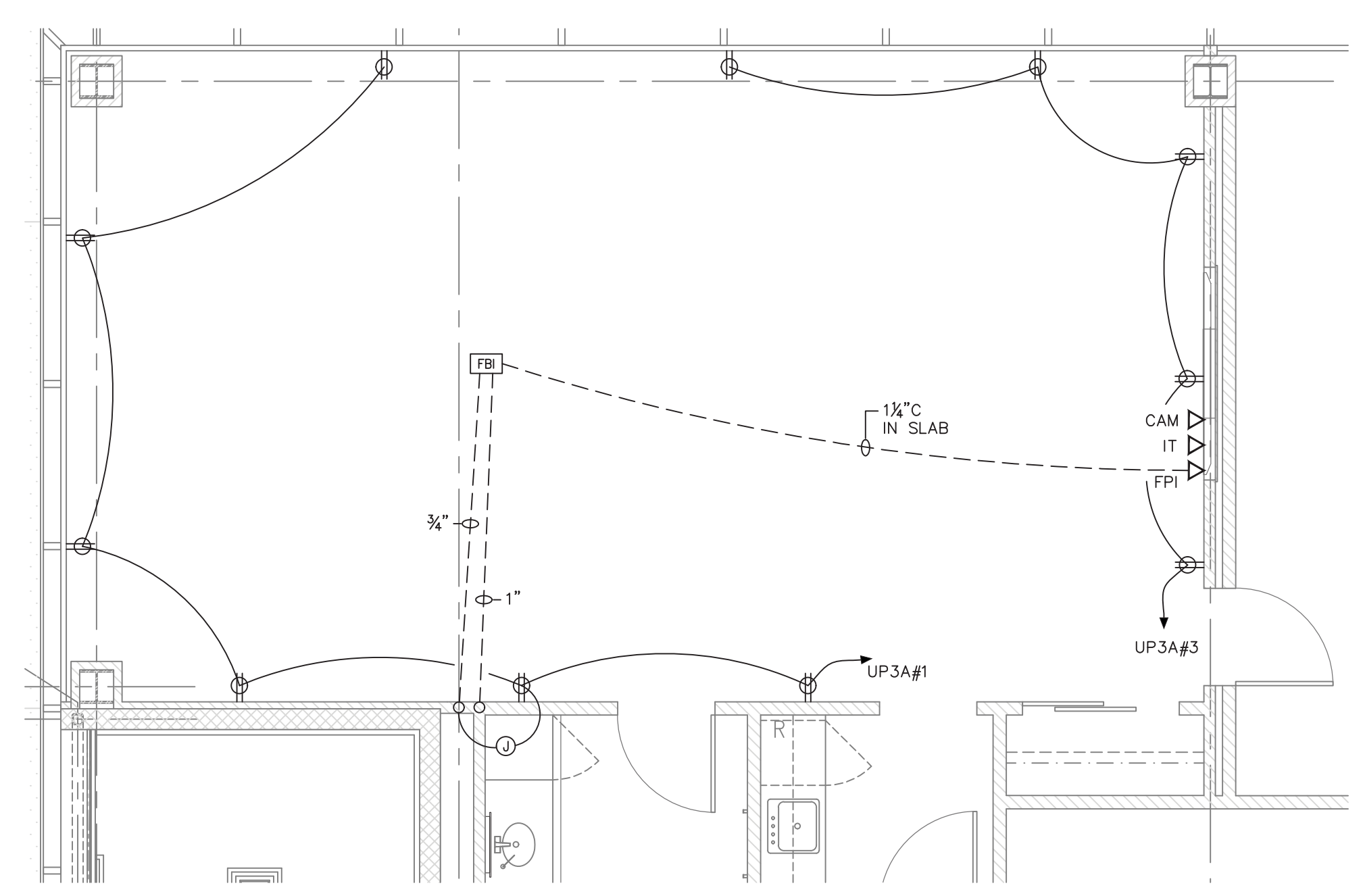
4 CONF. ROOM 204 PART PLAN
SCALE: 1/4" = 1'-0"

FP1 ∇ 1/4" STUB INTO CEILING, 1/4" CONDUIT TO FLOOR BOX
FP2 ∇ 1/4" STUB INTO CEILING
CAM ∇ 1/4" STUB INTO CEILING

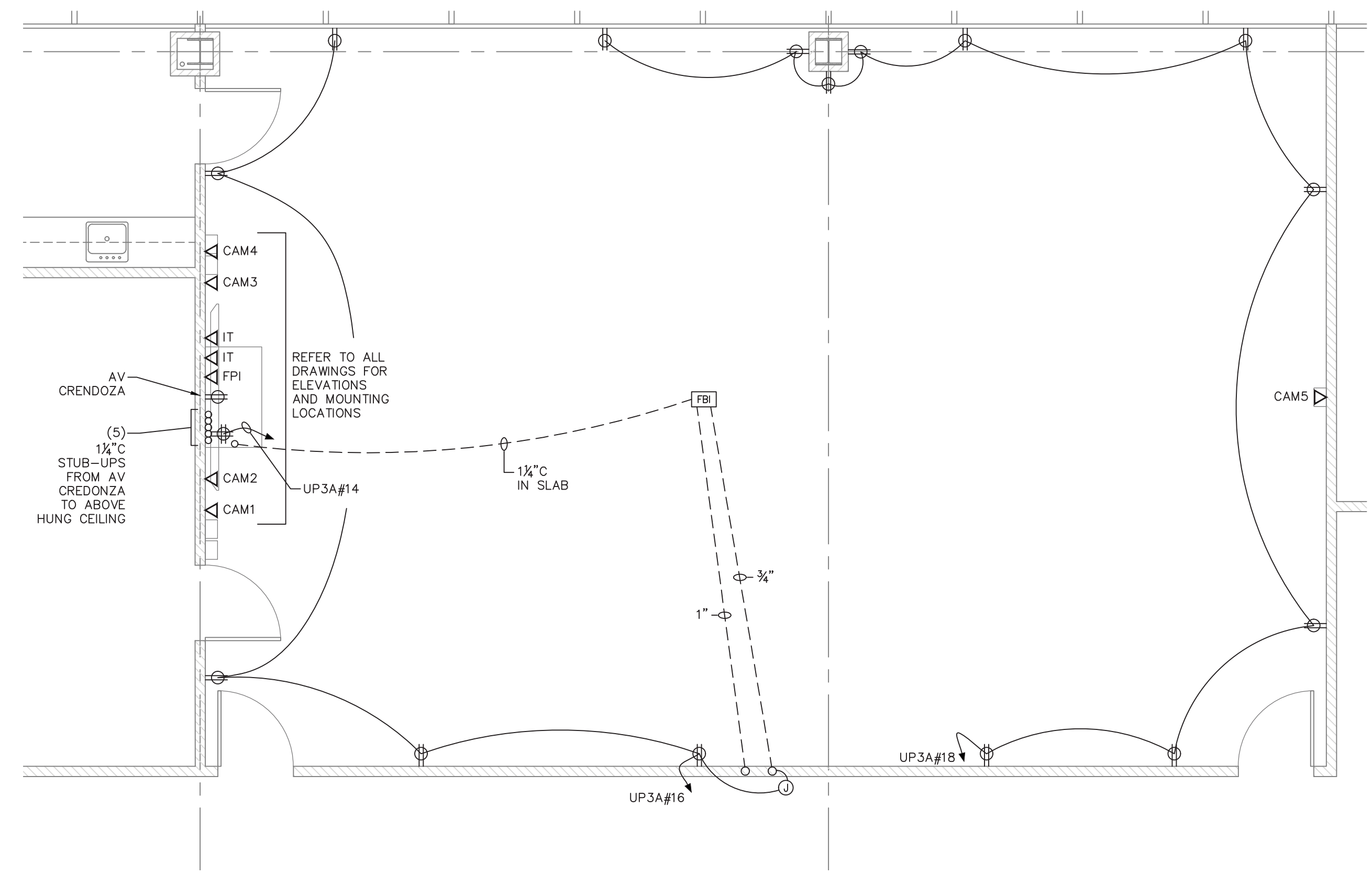
Omdex Incorporated Consulting Engineers 21 Cross Avenue Midland Park, NJ 07432-1801 (201) 444-0953 FAX (201) 444-0953	SNS ARCHITECTS & ENGINEERS HR: 201.573.1767 FOX: 201.573.0808 www.sns-arch-eng.com DRAFTED: MJR CHECKED: 5593 DATE: 08.11.2024	ENGINEERING REVIEW		APPROVED	ELECTRICAL SECOND FLOOR PLAN - POWER	
		DEPT:	SIGNATURE	DATE	DATE	SVOC NEW OFFICE ADDITION TAX MAP ID 58.52-1-2 3RD WEST ROUTE 54 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK
DESIGN REVIEW		DATE	SCALE	FILE NO.	SHEET	REV.
VILLAGE OF SPRING VALLEY		DATE	SCALE	FILE NO.	SHEET	REV.
ROCKLAND COUNTY, NEW YORK		AS NOTED				
SNS Architects & Engineers, PC ONE PARAGON DRIVE MONTVALE NEW JERSEY 07645		John Lignos, AIA Lorin J. Sonenshine, AIA Steven Napolitano, PE, PP Robert Nocella, AIA				



1 3rd FLOOR PLAN
SCALE: 1/8" = 1'-0"



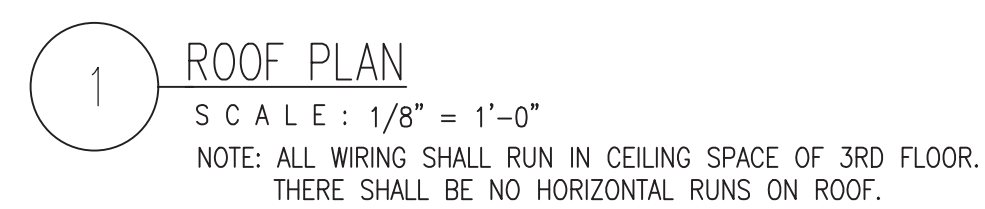
2 EXECUTIVE ROOM PART PLAN
SCALE: 1/4" = 1'-0"



3 BOARD ROOM PART PLAN
SCALE: 1/4" = 1'-0"

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		DEPT.	SIGNATURE	DATE	DATE	SVOC NEW OFFICE ADDITION TAX MAP ID 56.52-1-2 300 WEST ROUTE 54 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK
DESIGN REVIEW		DATE	SCALE	FILE NO.	DRAWING NUMBER	SHEET
AS NOTED					E-103	65 OF 95
VILLAGE OF SPRING VALLEY		ROCKLAND COUNTY, NEW YORK		John Lignos, AIA Lorin J. Sonenshine, AIA Steven Napolitano, PE, PP Robert Nocella, AIA		

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☐ INFORMATION

☐ COMMENTS

☐ BID

☐ CONSTRUCTION

☐

ELECTRICAL ROOF PLAN

SVOC NEW OFFICE ADDITION

TAX MAP ID 58-52-1-2

390 WEST BOSTON SQ

VILLAGE OF SPRING VALLEY

TOWN OF RAMAPO

ROCKLAND COUNTY, NEW YORK

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66 OF 95

VILLAGE OF SPRING VALLEY

ROCKLAND COUNTY, NEW YORK

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Lorin J. Sonenshine, AIA

Cert./Lic. No. NY 018461

John Lignos, AIA

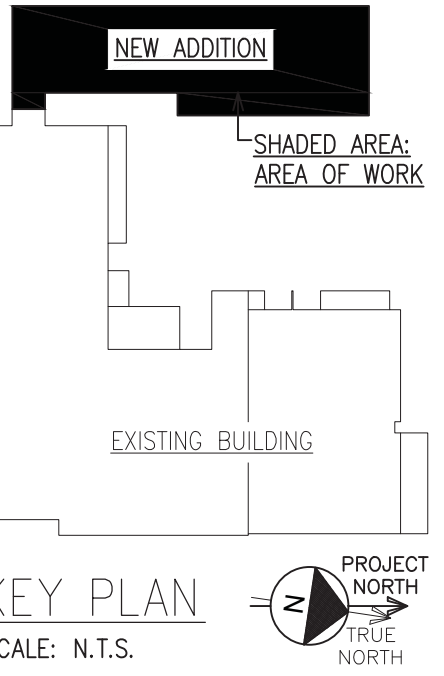
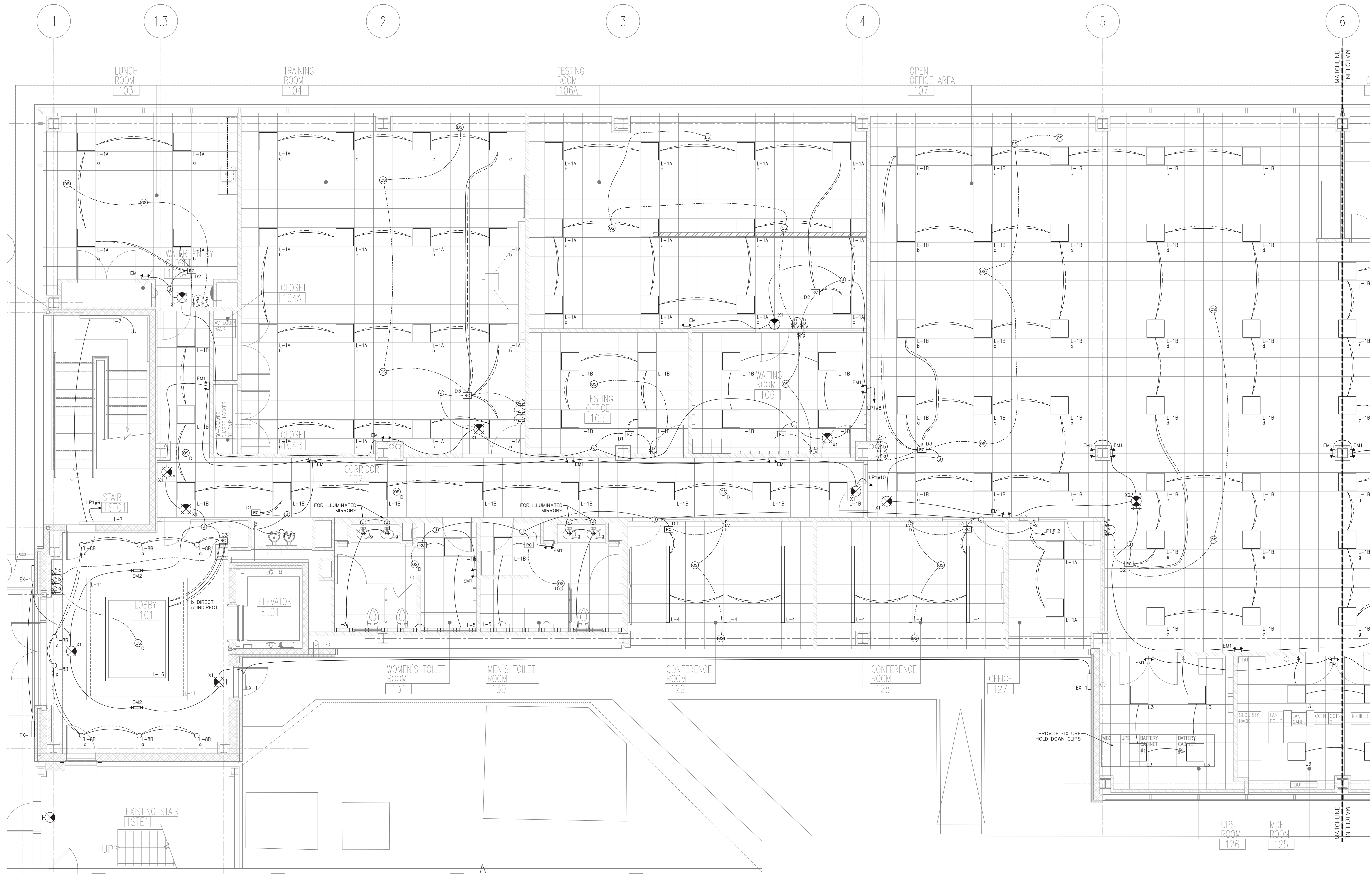
Lorin J. Sonenshine, AIA

Steven Napolitano, PE, PP

Robert Nocella, AIA

Brian W. Farschnick, PE

NY #90385



1 1st FLOOR PLAN
SCALE: 1/4" = 1'-0"

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SPRING VALLEY NEW YORK

ELECTRICAL PARTIAL FIRST FLOOR PLAN - LIGHTING

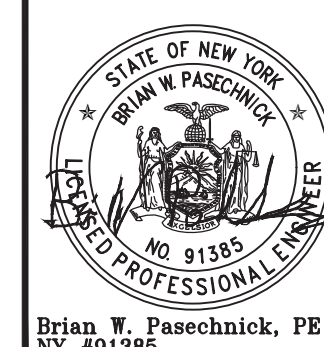
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TAX MAP ID: 58.52-1-2
300 WEST ROUTE 59
VILLAGE OF SPRING VALLEY
TOWN OF RAMAPO
ROCKLAND COUNTY, NEW YORK

DATE	APPROVED
DATE	DATE
DATE	DATE

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E-201A	67 OF 95	

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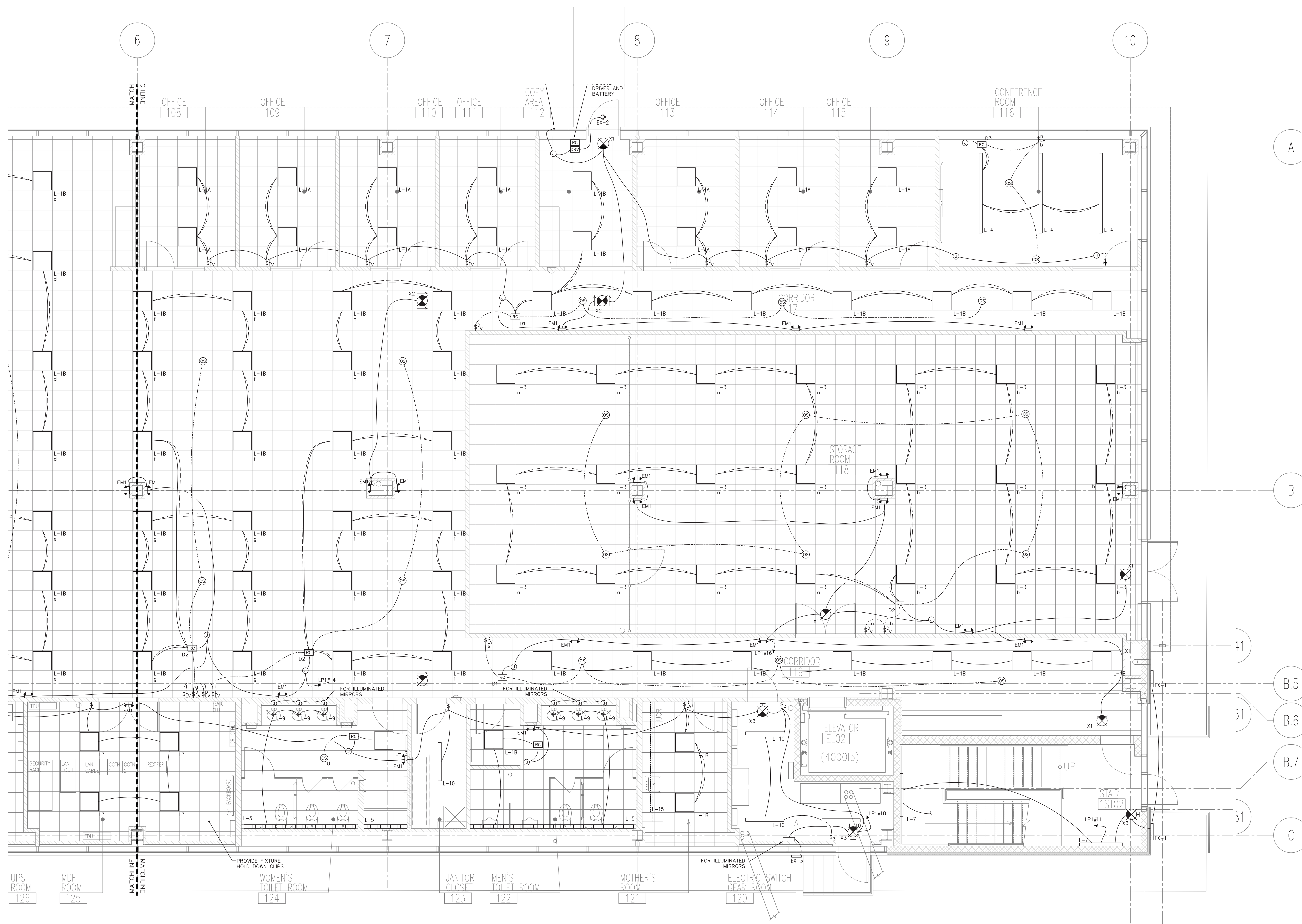
Lorin J. Sonenshine, AIA
Cert./Lic. No. NY 016401

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DESIGN REVIEW	DATE

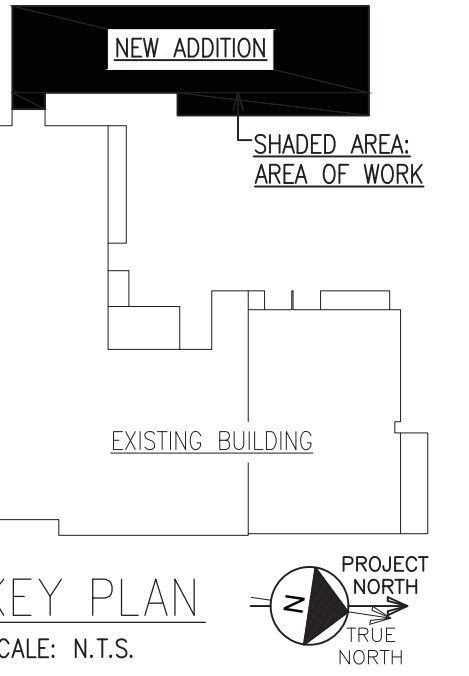
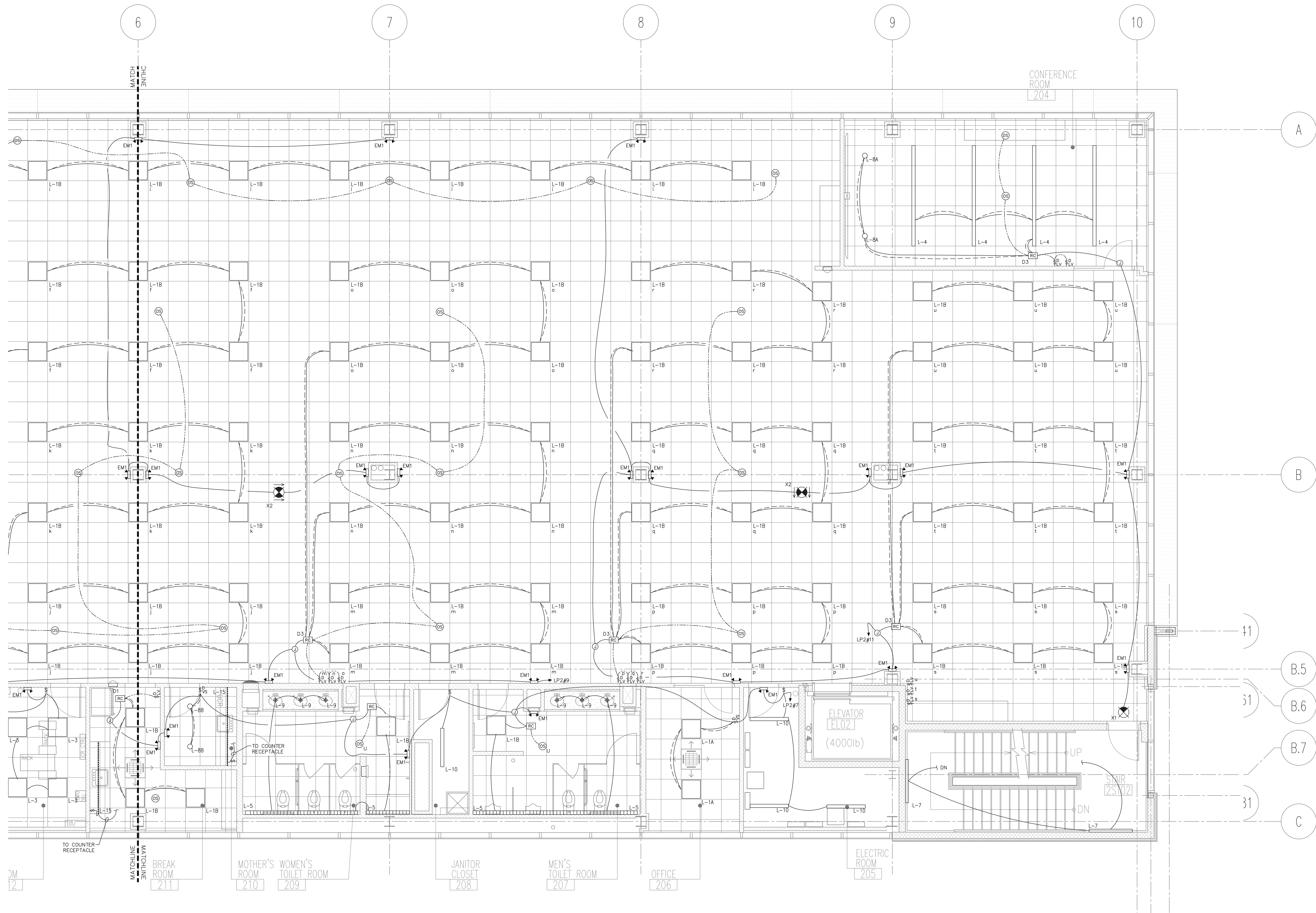
VILLAGE OF SPRING VALLEY



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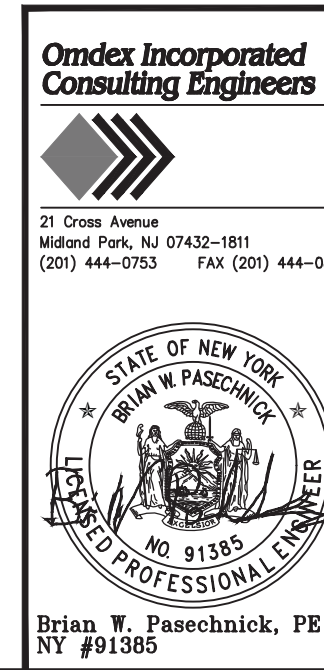


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 ORANGE AND ROCKLAND UTILITIES, INC. SPRING VALLEY NEW YORK				
ELECTRICAL PARTIAL FIRST FLOOR PLAN - LIGHTING				
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☐ INFORMATION ☐ COMMENTS ☐ BIO ☐ CONSTRUCTION _____				
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AS NOTED		E-201B	68 OF 95	
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1 2nd FLOOR PLAN
SCALE: 1/4" = 1'-0"

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ELECTRICAL PARTIAL SECOND FLOOR PLAN - LIGHTING	
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VILLAGE OF SPRING VALLEY SNS Architects & Engineers, PC ONE PARAGON DRIVE MONTVALE NEW JERSEY 07645	

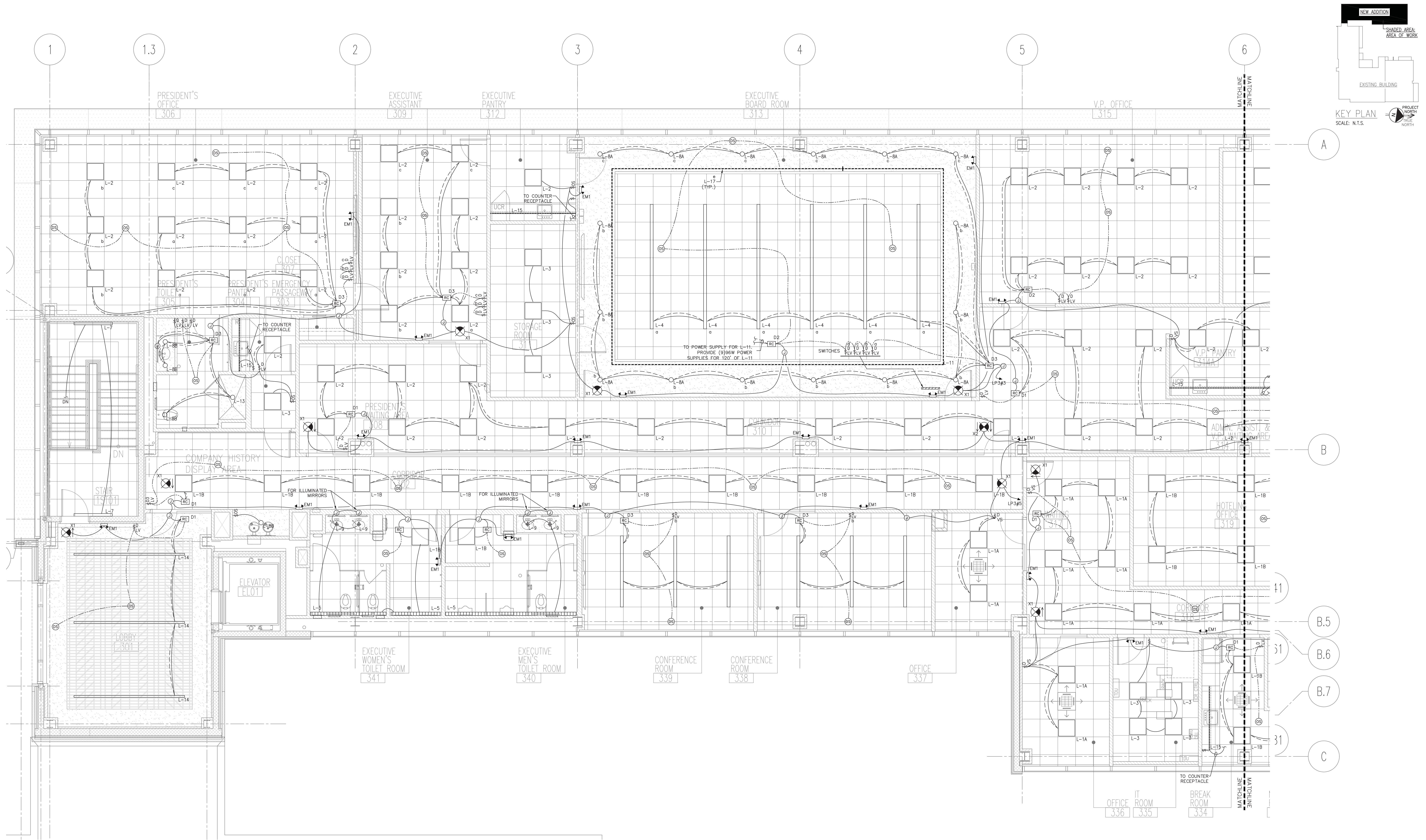


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 ELECTRICAL: _____
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 PLUMBING: _____
 STRUCTURAL: _____
 TOWN & SUB: _____
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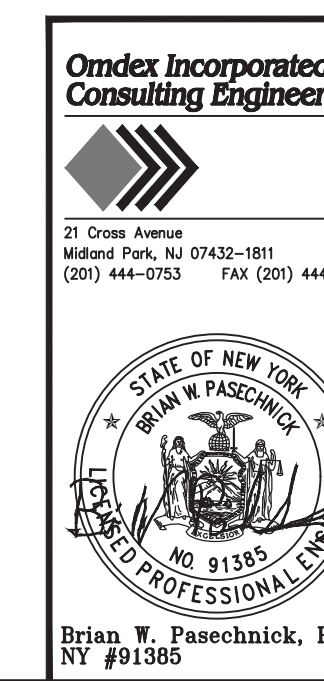
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 DRAWING NUMBER: E-202B
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 REV: _____
 VILLAGE OF SPRING VALLEY
 ROCKLAND COUNTY, NEW YORK
 John Lignos, AIA
 Lorin J. Sonenshine, AIA
 Steven Napolitano, PE, PP
 Robert Nocella, AIA



1 3rd FLOOR PLAN
SCALE: 1/4" = 1'-0"

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SVOC NEW OFFICE ADDITION TAX MAP ID: 04.02-1-2 300 WEST ROUTE 64 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK		
FILE NO.	DRAWING NUMBER	SHEET
	E-203A	71 OF 95
ROCKLAND COUNTY, NEW YORK John Lignos, AIA Lorin J. Sonenshine, AIA Steven Napolitano, PE, PP Robert Nocella, AIA		



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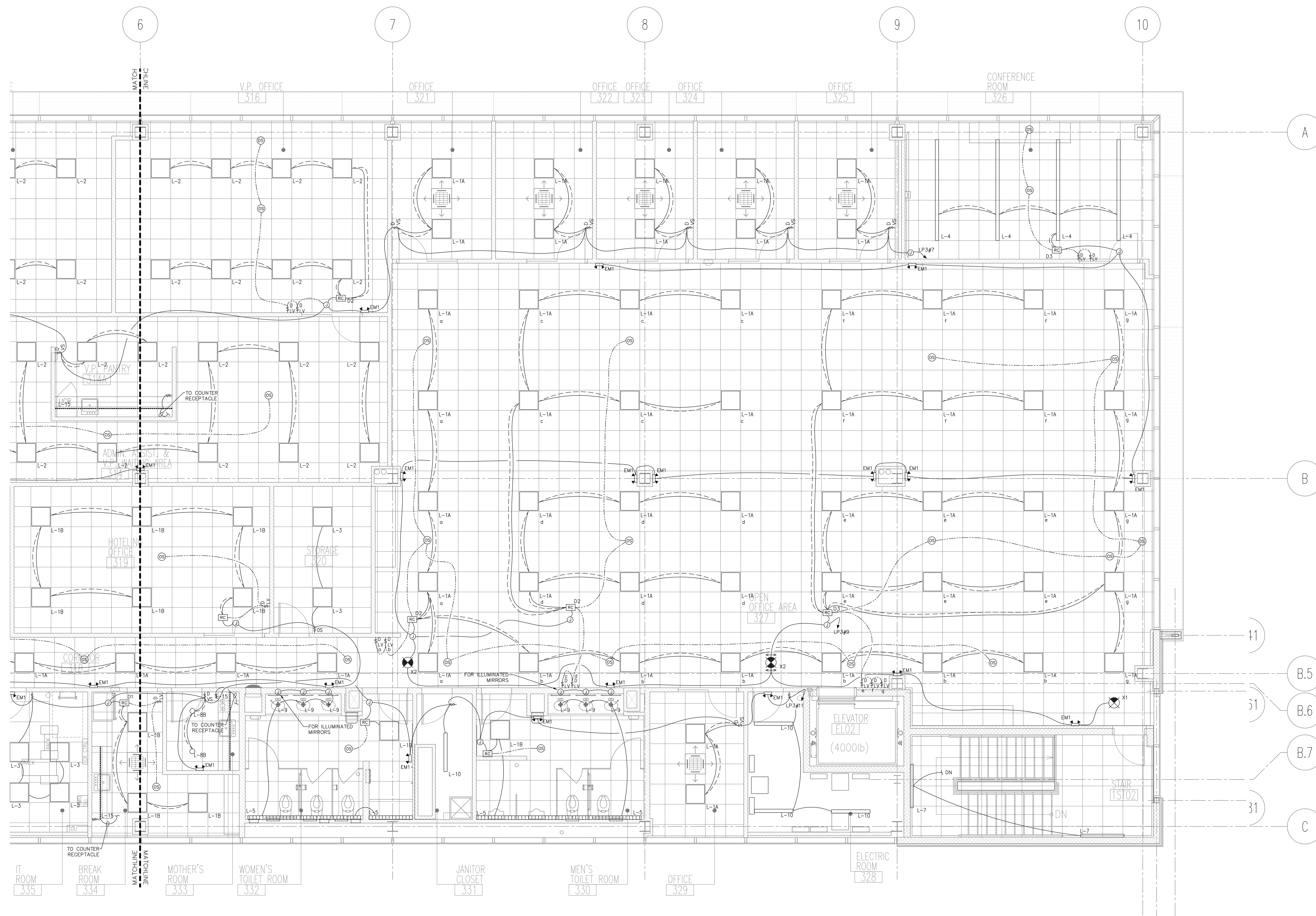
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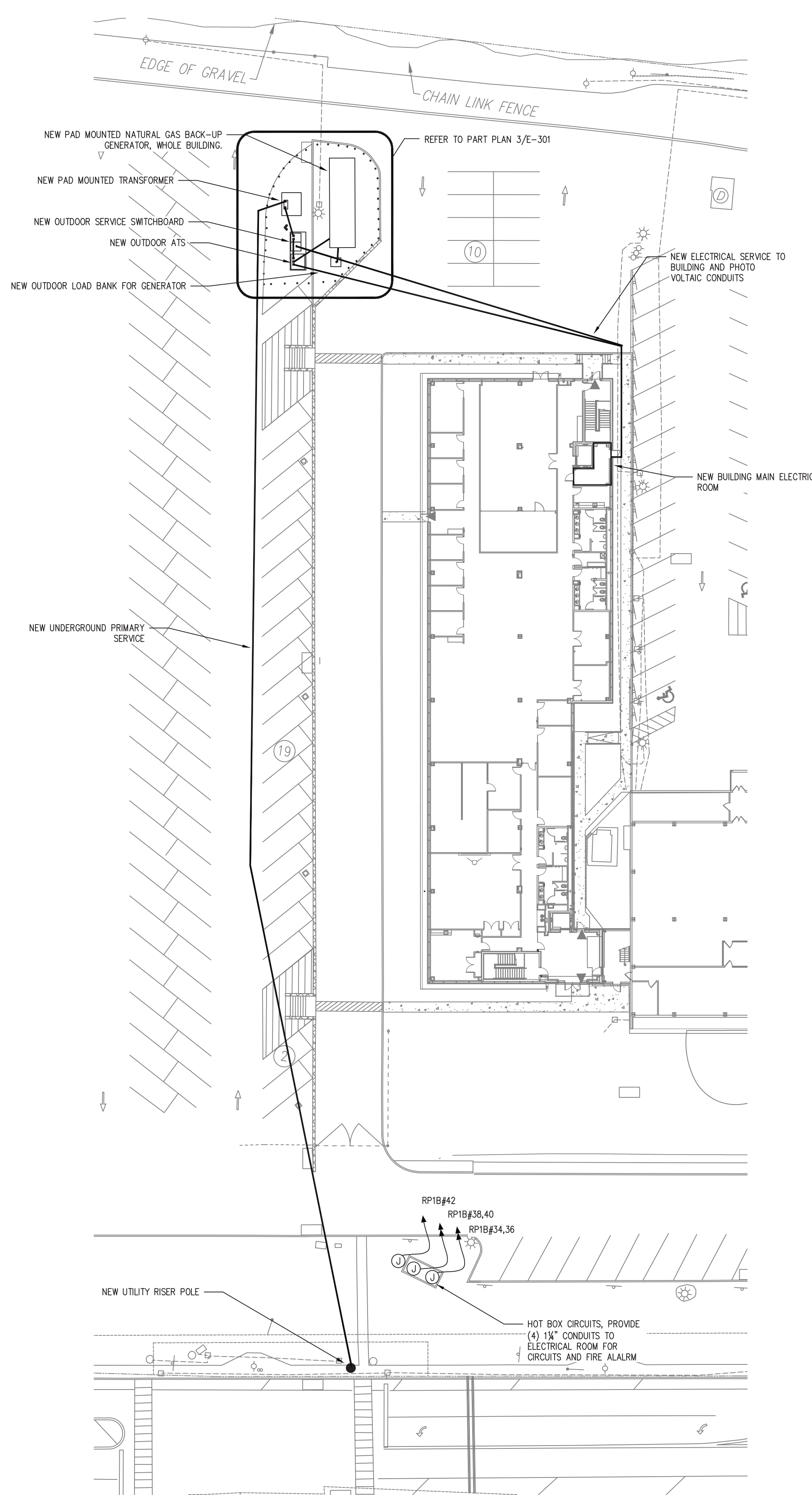
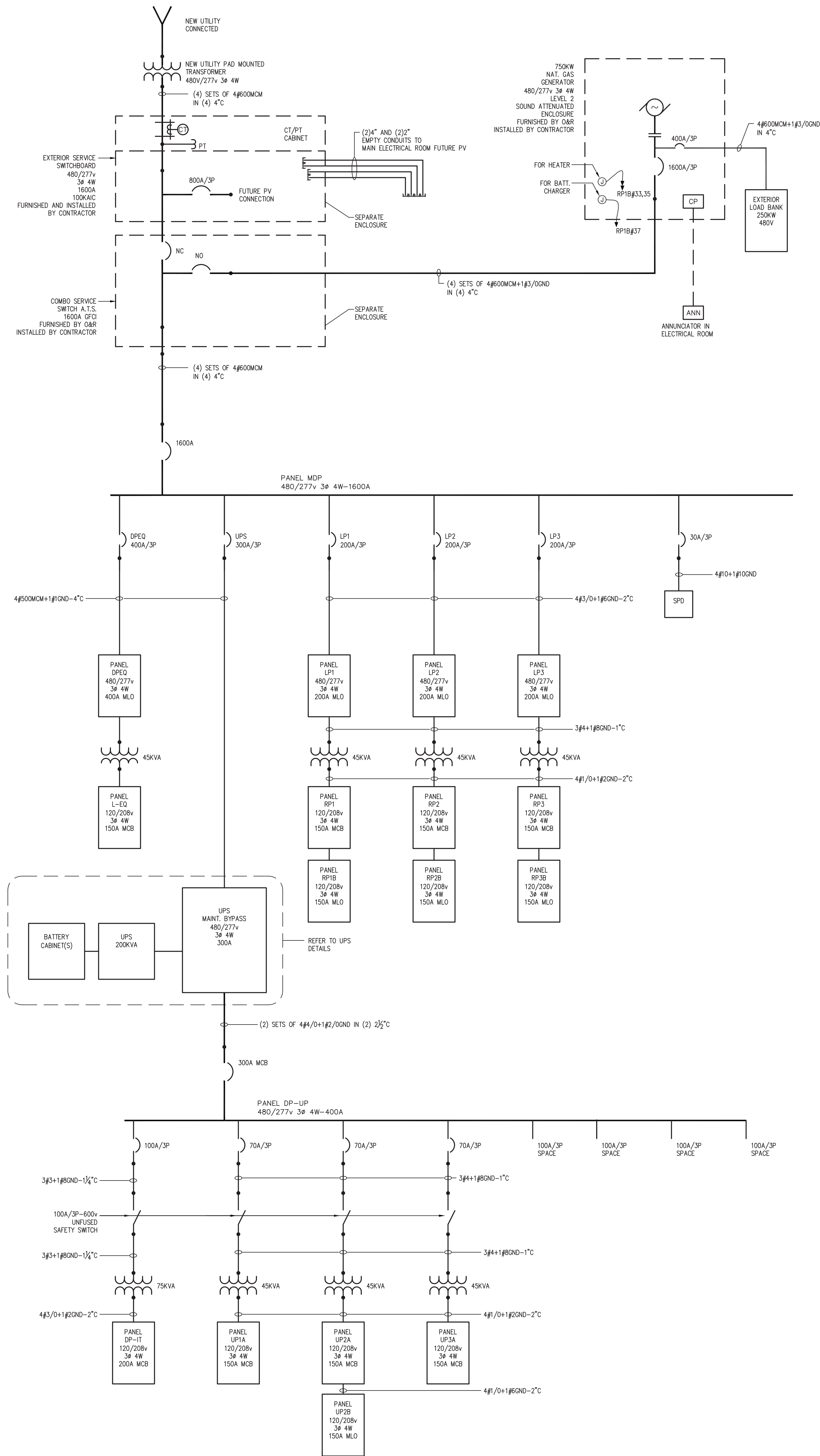
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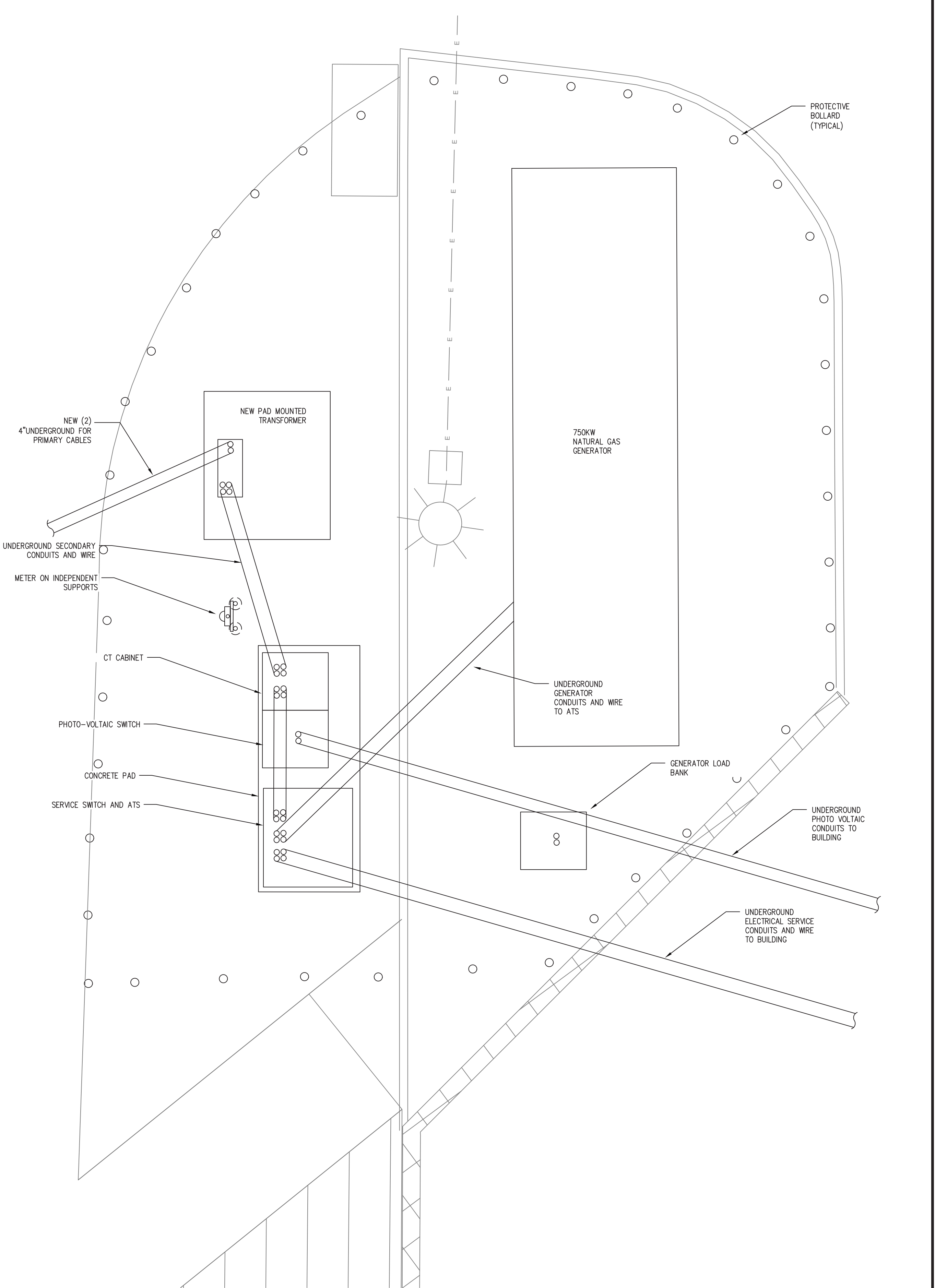
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	DRAFTED: MUR CHECKED: _____ PROJ. NO.: 5593 DATE: 08.11.2024								
			DESIGN DES CHKD DRAWING REVIEW DATE		SCALE AS NOTED		FILE NO. DRAWING NUMBER SHEET REV. E-203B 72 OF 95		
		VILLAGE OF SPRING VALLEY						ROCKLAND COUNTY, NEW YORK	
 Brian W. Pashenick, PE NY #01385		Lorin J. Sonenshine, IA Cert./Lic. No. NY 016801		 SNS Architects & Engineers, PC ONE PARAGON DRIVE MONTVALE NEW JERSEY 07645		- John Lignos, AIA - Lorin J. Sonenshine, AIA - Steven Napolitano, PE, PP - Robert Nocella, AIA			



1 ELECTRICAL SITE PLAN
SCALE: 1/30" = 1'-0"

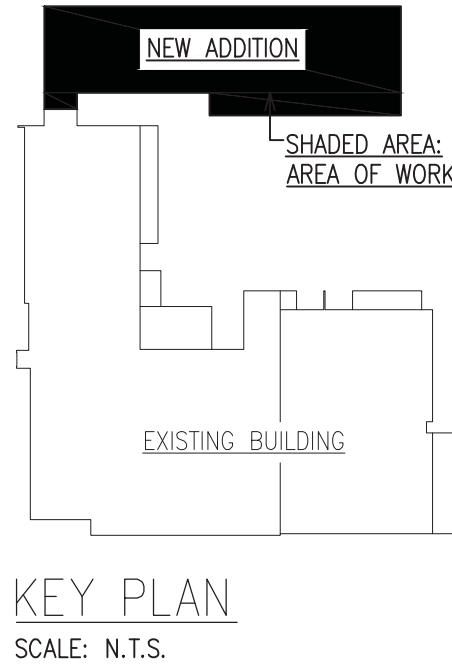


3 OUTDOOR ELECTRICAL SERVICE AREA PART PLAN
SCALE: 1/4" = 1'-0"

1 SINGLE LINE DIAGRAM
SCALE: NONE

1	ISSUED FOR BUILDING DEPARTMENT FILING & BIDDING	04-28-2025
ORANGE AND ROCKLAND UTILITIES, INC. SPRING VALLEY NEW YORK		

Omdex Incorporated Consulting Engineers		SNS ARCHITECTS & ENGINEERS		ENGINEERING REVIEW		APPROVED		ELECTRICAL SINGLE LINE DIAGRAM	
 21 Cross Avenue Midland Park, NJ 07432-1801 (201) 444-0953 FAX (201) 444-0839		www.sns-arch-eng.com DRAFTED: MJR CHECKED: 5593 DATE: 08.11.2024		DEPT:	SIGNATURE	DATE	DATE	SVOC NEW OFFICE ADDITION TAX MAP ID 58.52-1-2 580 WEST ROUTE 54 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK	
				DESIGN REVIEW	DATE	SCALE	FILE NO.	DRAWING NUMBER	SHEET
VILLAGE OF SPRING VALLEY		ROCKLAND COUNTY, NEW YORK		AS NOTED				E-301	OF 95
 ONE PARAGON DRIVE MONTVALE NEW JERSEY 07645		John Lignos, AIA Lorin J. Sonenshine, AIA Steven Napolitano, PE, PP Robert Nocella, AIA							



PANEL MDP									
480 / 277 VOLTS 3 Ø ± WIRE+GND		SURFACE MOUNTING	1600 AMP 3 POLE MOUNTING	INTEGRATED EQUIPMENT RATING 55,000 A. SYM.					
OKT No.	LOAD SERVED	POLES	FRAME	TRIP	LOAD	FEEDER			
1	PANEL DP-EQ	3	400A	400A	227.6 KVA	4#500MCM+1#GND-4°C			
2	UPS	3	400A	300A	81.5 KVA	4#500MCM+1#GND-4°C			
3	PANEL LP1	3	225A	200A	74.2 KVA	4#3/0+1#GND-2°C			
4	PANEL LP2	3	225A	200A	60.3 KVA	4#3/0+1#GND-2°C			
5	PANEL LP3	3	225A	200A	52.9 KVA	4#3/0+1#GND-2°C			
6	SPACE	3	225A	200A	-	-			
7	SPACE	3	225A	-	-	-			
8	SPACE	3	225A	-	-	-			
9	SPACE	3	100A	-	-	-			
10	SPACE	3	100A	-	-	-			

PANEL DP-EQ									
480 / 277 VOLTS 3 Ø ± WIRE+GND		SURFACE MOUNTING	400 AMP 3 POLE MOUNTING	INTEGRATED EQUIPMENT RATING 44,000 A. SYM.					
KVA	LOAD SERVED	NO.	OCF	NO.	LOAD SERVED	KVA			
8.6	ACCU-S-1	1	40A	2	ACCU-N-1	8.6			
8.6	3#5+1#GND-1°C	3	3P	4	3#5+1#GND-1°C	8.6			
8.6	-	5	-	6	-	8.6			
8.6	ACCU-S-2	7	40A	8	ACCU-N-2	8.6			
8.6	3#5+1#GND-1°C	9	3P	10	3#5+1#GND-1°C	8.6			
8.6	-	11	-	12	-	8.6			
8.6	ACCU-S-3	13	40A	14	ACCU-N-3	8.6			
8.6	3#5+1#GND-1°C	15	3P	16	3#5+1#GND-1°C	8.6			
8.6	-	17	-	18	-	8.6			
7.5	3#5+1#GND-3/4°C	19	35A	20	ERV-N	7.5			
7.5	3#5+1#GND-3/4°C	21	3P	22	3#5+1#GND-3/4°C	7.5			
7.5	-	23	-	24	-	7.5			
9.3	PANEL L-EQ	25	70A	26	SPACE	-			
9.3	3#4+1#GND-1°C	27	3P	28	SPACE	-			
9.3	-	29	-	30	SPACE	-			
-	SPACE	31	-	32	SPACE	-			
-	SPACE	33	-	34	SPACE	-			
-	SPACE	35	-	36	SPACE	-			
-	SPACE	37	-	38	SPACE	-			
-	SPACE	39	-	40	SPACE	-			
-	SPACE	41	-	42	SPACE	-			

PANEL DP-UP									
480 / 277 VOLTS 3 Ø ± WIRE+GND		SURFACE MOUNTING	300 AMP 3 POLE MOUNTING	INTEGRATED EQUIPMENT RATING 44,000 A. SYM.					
KVA	LOAD SERVED	NO.	OCF	NO.	LOAD SERVED	KVA			
11.7	DP-IT	1	100A	2	PANEL UP1A	5.0			
11.7	3#5+1#GND-1 1/4°C	3	3P	4	3#4+1#GND-1°C	5.0			
11.7	-	5	-	6	-	5.0			
8.7	PANEL UP2A/2B	7	70A	8	PANEL UP3A	5.1			
8.7	3#4+1#GND-1°C	9	3P	10	3#4+1#GND-1°C	5.1			
8.7	-	11	-	12	-	5.1			
-	SPACE	13	-	14	SPACE	-			
-	SPACE	15	-	16	SPACE	-			
-	SPACE	17	-	18	SPACE	-			
-	SPACE	19	-	20	SPACE	-			
-	SPACE	21	-	22	SPACE	-			
-	SPACE	23	-	24	SPACE	-			

PANEL DP-IT									
120 / 208 VOLTS 3 Ø ± WIRE+GND		SURFACE MOUNTING	200 AMP 3 POLE MOUNTING	INTEGRATED EQUIPMENT RATING 22,000 A. SYM.					
KVA	LOAD SERVED	NO.	OCF	NO.	LOAD SERVED	KVA			
2.5	SECURITY	1	30A	2	RECTIFIER	1.5			
2.5	SECURITY	3	30A	4	2#12+1#12GND-1.5	1.5			
1.5	LAN EQ	5	20A	6	RECTIFIER	1.5			
1.5	LAN EQ	7	20A	8	RECTIFIER	1.5			
1.5	LAN CABLE	9	20A	10	FEM TO CELL	.8			
1.5	LAN CABLE	11	20A	12	CARD ACCESS	.7			
.5	2ND FLOOR CARD ACCESS	13	20A	14	CARD ACCESS	.7			
1.0	2ND FLOOR FEM TO CELL	17	20A	18	2#12+1#12GND-1.5	1.5			
1.0	3RD FLOOR FEM TO CELL	19	20A	20	RECTIFIER	1.5			
.2	2ND FLOOR IT	21	20A	22	2#12+1#12GND-1.5	1.5			
.2	2ND FLOOR IT	23	20A	24	RECTIFIER	1.5			
.2	2ND FLOOR IT	25	20A	26	2#12+1#12GND-1.5	1.5			
.2	2ND FLOOR IT	27	20A	28	SPACE	-			
.2	3RD FLOOR IT	29	20A	30	SPACE	-			
.2	3RD FLOOR IT	31	20A	32	SPACE	-			
.2	3RD FLOOR IT	33	20A	34	SPACE	-			
.2	3RD FLOOR IT	35	20A	36	SPACE	-			
-	SPACE	37	20A	38	SPACE	-			
-	SPACE	39	20A	40	SPACE	-			
-	SPACE	41	20A	42	SPACE	-			

NOTES:
1. PROVIDE #10AWG FOR 30A CIRCUITS

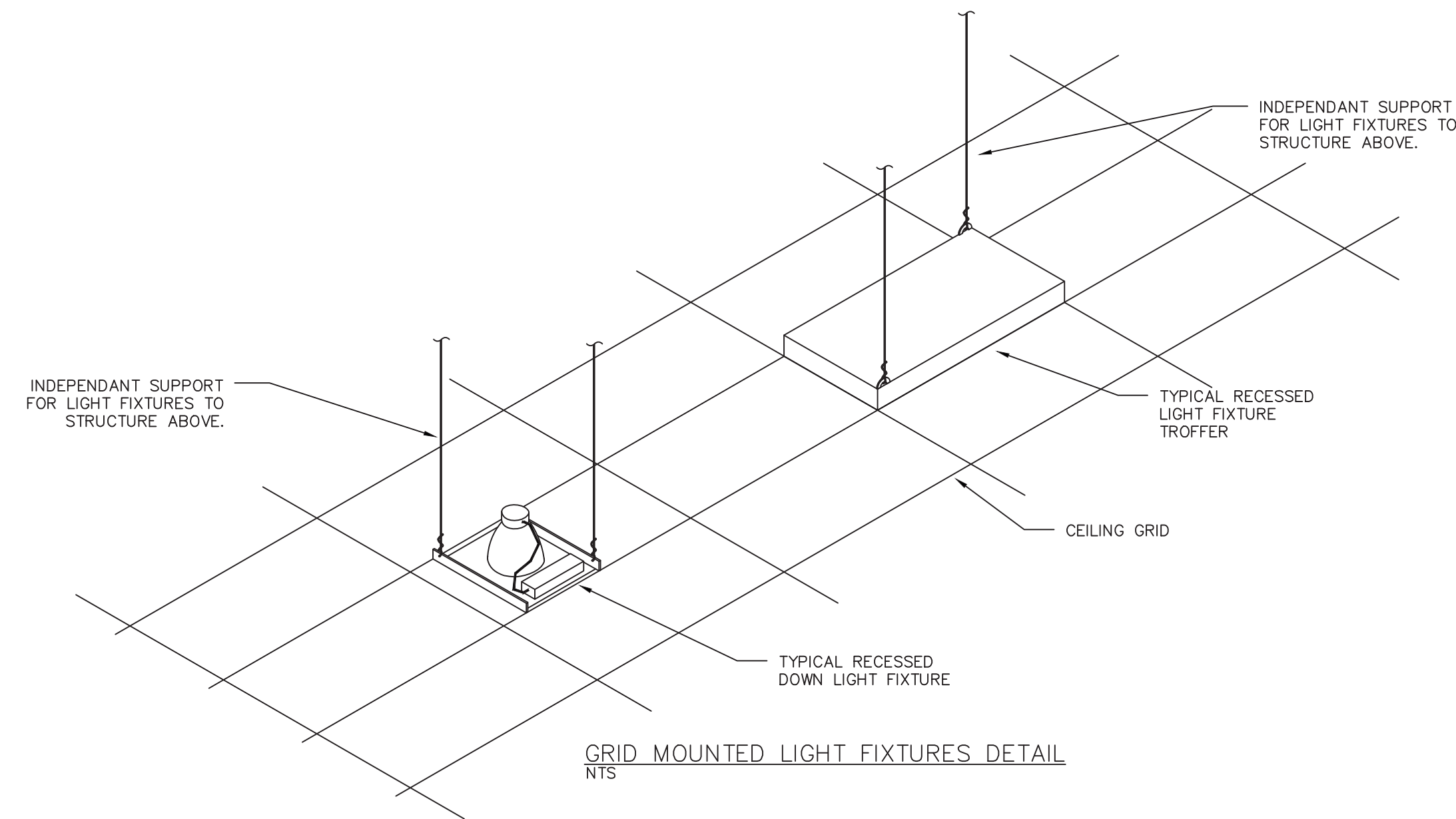
PANEL RP1A									
120 / 208 VOLTS 3 Ø ± WIRE+GND		SURFACE MOUNTING	150 AMP 3 POLE MOUNTING	INTEGRATED EQUIPMENT RATING 22,000 A. SYM.					
KVA	LOAD SERVED	NO.	OCF	NO.	LOAD SERVED	KVA			
.3	FC UPS	1	20A	2	FC-S1 LOBBY	.2			
.3	2#12+1#12GND-3/4°C	3	2P	4	2#12+1#12GND-3/4°C	.2			
.3	FC IT-1A	5	20A	6	FC-S2 LUNCH ROOM	.3			
.3	2#12+1#12GND-3/4°C	7	2P	8	2#12+1#12GND-3/4°C	.3			
.3	FC IT-1B	9	20A	10	FC-S3 TRAINING	.3			
.3	2#12+1#12GND-3/4°C	11	2P	12	2#12+1#12GND-3/4°C	.3			
.4	FC S9, N15	13	20A	14	FC-S4, 5, 6 TEST	.7			
.4	2#12+1#12GND-3/4°C	15	2P	16	2#12+1#12GND-3/4°C	.7			
.3	FC N2-5 OFFICE'S	17	20A	18	FC-S7, 8, 9 CONF. ROOM	.4			
.3	2#12+1#12GND-3/4°C	19	2P	20	2#12+1#12GND-3/4°C	.4			
.2	FC N7-11 OFFICE'S	21	20A	22	ELEV. 2 CONTROLLER	1.5			
.2	2#12+1#12GND-3/4°C	23	2P	24	ELEV. 2 PIT LIGHT	.1			
.4	FC N1, 6 STORAGE	25	20A	26	ELEV. 2 SUMP PUMP	.3			
.4	2#12+1#12GND-3/4°C	27	2P	28	ELEV. 2 PIT RECEPT.	.2			
.4	FC N12, 13, 14	29	20A	30	ELEV. 1 CONTROLLER	1.5			
.4	2#12+1#12GND-3/4°C	31	2P	32	ELEV. 1 PIT LIGHT	.1			
.2	CIRC. PUMP 1	33	20A	34	ELEV. 1 SUMP PUMP	.3			
.2	CIRC. PUMP 2	35	20A	36	ELEV. 1 PIT RECEPT.	.2			
.2	AREA OF REFUGE SYSTEM	37	20A	38	SPACE	-			
-	SPACE	39	20A	40	SPACE	-			
-	SPACE	41	20A	42	SPACE	-			

FEED THRU LUGS
VENTILATION 9.0 KVA x 100% = 9.0 KVA
MISC. EQ. 4.6 KVA x 100% = 4.6 KVA
TOTAL 13.6 KVA

PANEL RP1B									
120 / 208 VOLTS 3 Ø ± WIRE+GND		SURFACE MOUNTING	150 AMP 3 POLE MOUNTING	INTEGRATED EQUIPMENT RATING 22,000 A. SYM.					
KVA	LOAD SERVED	NO.	OCF	NO.	LOAD SERVED	KVA			
.5	LUNCH ROOM TOS	1	20A	2	FLOOR RECEPT. TRAINING	.9			
.8	LUNCH ROOM DW	3	20A	4	FLOOR RECEPT. TRAINING	.9			
.2	LUNCH ROOM COUNTER	5	20A	6	FLOOR RECEPT. TRAINING	.9			
.2	LUNCH ROOM COUNTER	7	20A	8	FLOOR RECEPT. TRAINING	.4			
.8	LUNCH ROOM REFRIG.	9	20A	10	RECEPT. TRAINING	.7			
.8	LUNCH RM. BOTTLE FILL	11	20A	12	TRAINING CHARGE DRAWER	.2			
.5	RECEPT. TOILET	13	20A	14	RECEPT. CORRIDOR	.7			
1.5	HAND DRYERS 130	15	20A	16	RECEPT. OFFICE 127	.5			
1.5	HAND DRYERS 131	17	20A	18	RECEPT. COPIER	.7			
.8	EW	19	20A	20	RECEPT. CONV.	.4			
1.5	HAND DRYERS 122	21	20A	22	RECEPT. LOBBY	.2			
1.5	HAND DRYERS 124	23	20A	24	RECEPT. UPS/MDF	.7			
.8	COPIER 119	25	20A	26	RECEPT. BATHROOMS	.7			
.4	RECEPT. 119	27	20A	28	RECEPT. CORRIDOR 117	.9			
.5	RECEPT. MOTHER	29	20A	30	RECEPT. STORAGE	1.3			
.2	HOT BOX RECEPT.	31	20A	32	RECEPT. STORAGE	1.3			
3.0	GENERATOR HEATER	33	40A	34	HOT BOX HTR.	.8			
3.0	3#5+1#GND-1°C	35	2P	36	3#5+1#GND-3/4°C	.8			
.2	GENERATOR BATT CHAR.	37	20A	38	HOT BOX HTR.	.8			
-	SPACE	39	20A	40	3#5+1#GND-3/4°C	.8			
-	SPACE	41	20A	42	HOT BOX RECEPTACLE	.2			

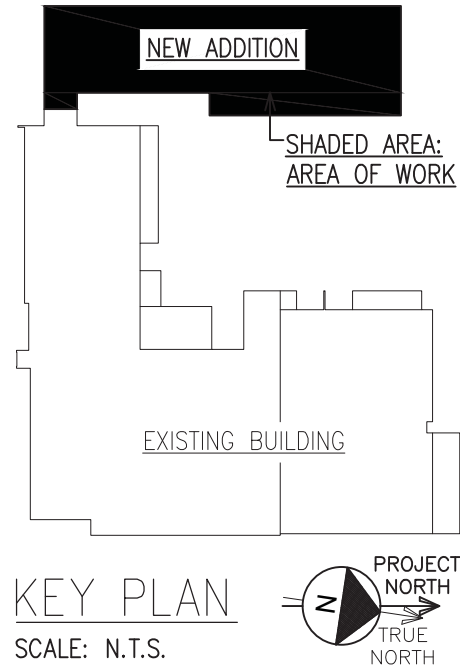
RECEPTS 10.0 KVA x 100% = 10.0 KVA
RECEPTS 13.9 KVA x 50% = 7.0 KVA
ELECT. LIT. 3.0 KVA x 100% = 3.0 KVA
TOTAL 20.0 KVA

PANEL UP1A									
120 / 208 VOLTS 3 Ø ± WIRE+GND		SURFACE MOUNTING		150 AMP 3 POLE MIBC □ MLO		INTEGRATED EQUIPMENT RATING 10,000 A. SYM.			
KVA	LOAD SERVED	NO	OCF	ØA ØB ØC	OCF NO	LOAD SERVED	KVA		
.9	OPEN OFFICE	1	20A		20A	2	RECEPS. OFFICE 108	.4	
.6	OPEN OFFICE	3	20A		20A	4	RECEPS. OFFICE 110	.7	
.9	OPEN OFFICE	5	20A		20A	6	RECEPS. OFFICE 114	.7	
.9	OPEN OFFICE	7	20A		20A	8	CONF. ROOM 116	.8	
.9	OPEN OFFICE	9	20A		20A	10	CONF. ROOM 128	.8	
.7	OPEN OFFICE	11	20A		20A	12	CONF. ROOM 129	.8	
.7	OPEN OFFICE	13	20A		20A	14	TESTING	.9	
.7	OPEN OFFICE	15	20A		20A	16	TESTING	.9	
.6	OPEN OFFICE	17	20A		20A	18	TESTING	.9	
.6	OPEN OFFICE	19	20A		20A	20	TESTING	.9	
.6	OPEN OFFICE	21	20A		20A	22	TESTING	1.2	
.6	OPEN OFFICE	23	20A		20A	24	TESTING	.6	
.6	OPEN OFFICE	25	20A		20A	26	RECEP. OFFICE 127	.2	
.8	OPEN OFFICE	27	20A		20A	28	SPARE	—	
—	OPEN OFFICE	29	20A		20A	30	SPARE	—	
—	SPARE	31	20A		20A	32	SPARE	—	
—	SPARE	33	20A	20A	34	SPARE	—		
—	SPARE	35	20A	20A	36	SPARE	—		
—	SPARE	37	20A	20A	38	SPARE	—		
—	SPARE	39	20A	20A	40	SPARE	—		
—	SPARE	41	20A	20A	42	SPARE	—		



LIGHTING LEGEND			
	CEILING MOUNTED LOW VOLTAGE ULTRASONIC OCCUPANCY SENSOR WATTSTOPPER LMUC-100	\$	TOGGLE SWITCH, 120/277V 20A DECORA STYLE
	CEILING MOUNTED LOW VOLTAGE PASSIVE INFRARED OCCUPANCY SENSOR WATTSTOPPER LMPIC-100	\$LV	LOW VOLTAGE 1-BUTTON WALL SWITCH, WATTSTOPPER LMSW-101
	CEILING MOUNTED LOW VOLTAGE DUAL-TECH OCCUPANCY SENSOR WATTSTOPPER LMDC-100	\$LV	LOW VOLTAGE 3-WAY 1-BUTTON WALL SWITCH, WATTSTOPPER LMSW-101
	CEILING MOUNTED LOW VOLTAGE ULTRASONIC VACANCY SENSOR WATTSTOPPER LMUC-100	\$D3	LOW VOLTAGE 3-WAY 2-BUTTON DIMMING WALL SWITCH, WATTSTOPPER LMSW-102
	CEILING MOUNTED LOW VOLTAGE PASSIVE INFRARED VACANCY SENSOR WATTSTOPPER LMDC-100	\$LV	LOW VOLTAGE 1-BUTTON DIMMING WALL SWITCH, WATTSTOPPER LMDM-101
	CEILING MOUNTED LOW VOLTAGE DUAL-TECH VACANCY SENSOR WATTSTOPPER LMDC-100	\$D3LV	LOW VOLTAGE 5-BUTTON SCENE WALL SWITCH, WATTSTOPPER LMSW-105
	CORNER MOUNTED LOW VOLTAGE DUAL-TECH OCCUPANCY SENSOR WATTSTOPPER LMDX-100	\$VS	LINE VOLTAGE 1-BUTTON VACANCY SENSOR WALL SWITCH, WATTSTOPPER DSW-301
	CORNER MOUNTED LOW VOLTAGE DUAL-TECH VACANCY SENSOR WATTSTOPPER LMDV-100	\$OS	LINE VOLTAGE 1-BUTTON OCCUPANCY SENSOR WALL SWITCH, WATTSTOPPER DSW-301
	CORNER/WALL MOUNTED LOW TEMPERATURE PASSIVE INFRARED OCCUPANCY SENSOR WATTSTOPPER LDC-100	\$D3	LINE VOLTAGE 0-10V DIMMING VACANCY SENSOR WALL SWITCH, WATTSTOPPER DW-311
	MULTI-ZONE ON/OFF AND DIMMING OPEN LOOP PHOTOSENSOR, WATTSTOPPER LMLS-400 (PRIMARY ZONE ONLY) LMLS-500 (PRIMARY/SECONDARY ZONES)	\$3/4	LINE VOLTAGE 1-BUTTON 3-WAY/4-WAY VACANCY SENSOR WALL SWITCH, WATTSTOPPER DSW-301
	0-10V TO PHASE ADAPTIVE CONVERTER (6.25A), WATTSTOPPER BF-SDS10V-AST	\$D2	LINE VOLTAGE DIMMING VACANCY SENSOR WALL SWITCH, WATTSTOPPER PW-101D
	ZONE CONTROLLER WITH ENCLOSURE, WATTSTOPPER LMZC-301	RC	LOW VOLTAGE ON/OFF ROOM CONTROLLER WITH 2 RELAYS, WATTSTOPPER LMRC-102
	NETWORK BRIDGE, WATTSTOPPER LMBC-300	RC D1	LOW VOLTAGE ON/OFF/0-10V 10A DIMMING ROOM CONTROLLER WITH 1 RELAY AND 1 0-10V DIMMING OUTPUT, WATTSTOPPER LMRC-211
	EMERGENCY LIGHTING CONTROL UNIT, WATTSTOPPER ELCU-200	RC D2	LOW VOLTAGE ON/OFF/0-10V 10A DIMMING ROOM CONTROLLER WITH 2 RELAYS AND 2 0-10V DIMMING OUTPUTS, WATTSTOPPER LMRC-112
	INPUT INTERFACE, WATTSTOPPER LMNI-104	RC D3	LOW VOLTAGE ON/OFF/0-10V 20A DIMMING ROOM CONTROLLER WITH 3 RELAYS AND 3 0-10V DIMMING OUTPUTS, WATTSTOPPER LMRC-213
	NORMAL WIRING	BZ	UNIVERSAL VOLTAGE POWER PACK, WATTSTOPPER BZ-50
	EMERGENCY WIRING	DT	UNIVERSAL VOLTAGE THREE CHANNEL DIMMABLE TRANSFORMER FOR 24V FIXTURE
	LOW VOLTAGE WIRING	PS	LED DRIVER FOR 24V FIXTURE, JUSTIN, INC. 961-24SSD
	CAT5 CABLING		
	MS/TP CABLING		

LIGHTING FIXTURE SCHEDULE									
SYMBOL	MANUFACTURER	DESCRIPTION	CATALOG NUMBER	VOLTS	TYPE	LAMPS		MODEL/COMMENTS	REMARKS
						#	WATTS		
L-1A		FOCAL POINT	RECESSED 2x2	FAM2-22-ARC-3500L-35K-1C-UNV-LD1-G-WH	277	LED	-	23	
L-1B		FOCAL POINT	RECESSED 2x2	FAM2-22-ARC-4500L-35K-1C-UNV-LD1-G-WH	277	LED	-	32	
L-2		ARON LIGHTING	RECESSED 2x2 EDGE LIT	LFT-TC-ST-XXX-22FA-1250-B2-35K-UNV-DM	277	LED	-	44	
L-3		JADEMAR LIGHTING	RECESSED 2x2 FLAT PANEL LED	JP22-40W-OPS-UNV-35K	277	LED	-	40	
L-4		FOCAL POINT	RECESSED LINEAR	FSM4L-BW-625LF-35K-1C-UNV-LD1-G/Y1-WH-00	277	LED	-	6/ft	
L-5		FOCAL POINT	LINEAR WALL MOUNTED PERIMETER	FSM4PR-ALH-AFO-375LF-35K-1C-UNV-LD1-G-WH-00	277	LED	-	4.3/ft	
L-6		FOCAL POINT	PENDANT LINEAR	FSM2LS-BW-625DL-35K-1C-UNV-LD1-C48-WH-00	277	LED	-	4.5/ft	
L-7		XTRA LIGHT	WALL MOUNTED 4' STAIR FIXTURE	LRW-4-4000L-35K-DIM-U-MLD-EM	277	LED	-	35	INTEGRAL BATTERY BACK-UP WITH OCCUPANCY SENSOR
L-8A		FOCAL POINT	RECESSED 3.5" ROUND DOWNLIGHT	FLC3D-RD-SW-1500L-UNV-LD1-T-BH-LC3-RD-15L-35K-DSS-VWFL-CD-WP	277	LED	-	17	-
L-8B		FOCAL POINT	RECESSED 3.5" ROUND DOWNLIGHT	FLC3D-RD-SW-1100L-UNV-LD1-T-BH-LC3-RD-11L-35K-DSS-VWFL-CD-WP	277	LED	-	12	-
L-9		FOCAL POINT	RECESSED 2.5" ROUND DOWNLIGHT	FLC2D-RD-SW-1100L-UNV-LD1-T-BH-LC3-RD-11L-35K-DSS-WFL-CD-WA	277	LED	-	12	
L-10		XTRA LIGHT	SURFACE STRIP LIGHT 4' LENGTH	LRS-4-4000L-35K-DIM	277	LED	-	29	
L-11		ACOLYTE	LED TAP	RB80-SWS220-4.435-1-RBMNTSL	24	LED	-	4.4/ft	PROVIDE ALL ACCESSORIES AND POWER SUPPLIES
L-13		FOCAL POINT	RECESSED 3.5" ROUND DOWNLIGHT	FLC3D-RD-SW-900L-UNV-LD1-T-BH-LC3-RD-900L-35K-DSS-VWFL-CD-WP	277	LED	-	10	WET LOCATION
L-14		EXTANT ARCHITECTURAL LIGHTING	LINEAR PENDANT	HGT-3P-TD-DT-00-DML-35-MEOGC-VU-D-BP	277	LED	-	4.5/ft	0-10v DIMMING
L-15		JADEMAR LIGHTING	UNDER CABINET LIGHTING	JJCL-CS00-120-35K	120	LED	-	5/ft	PROVIDE LENGTH AS REQUIRED
L-16		FOCAL POINT	PENDANT LINEAR DIRECT/INDIRECT	FSM1CBS-BWLC-375UP-375DN-35K-2C-UNV-LD1-C24-LMC-BKCD-MB-AVBR	277	LED	-	6.5/ft	
EM1		ISOLITE	SURFACE 2-HEAD EM FIXTURE	BUG-3W-WH-MB	-	-	-	-	INTEGRAL BATTERY BACK-UP
EM2		ISOLITE	RECESSED 2 HEAD EM FIXTURES		-	-	-	-	INTEGRAL BATTERY BACK-UP
EX-1		PERFORMANCE IN LIGHTING	EXTERIOR SURFACE EGRESS LIGHT	M50-S336-T4-AM-3K-UNV-NA-EMPK-PHC-B	277	LED	-	53	INTEGRAL BATTERY BACK-UP
EX-2		FOCAL POINT	EXTERIOR RECESSED DOWNLIGHT	FLC4D-RD-SW-2800L-UNV-LD1-1C-OD-LC4-RD-25L-30K-DN-BJ-BP-REMOTE EM	277	LED	-	32	REMOTE BATTERY BACK-UP
EX-3		PERFORMANCE IN LIGHTING	EXTERIOR SURFACE EGRESS LIGHT	M30-36-T4-AM-3K-UNV-NA-REMPHC-B	277	LED	-	36	REMOTE BATTERY BACK-UP
X1		ISOLITE	EDGE/UT EXIT SIGN 1 FACE	EUG-EM-R-1C-MTEB	277	LED	-	-	INTEGRAL BATTERY BACK-UP
X2		ISOLITE	EDGE/UT EXIT SIGN 2 FACES	EUG-EM-R-2M-MTEB	277	LED	-	-	INTEGRAL BATTERY BACK-UP
X3		ISOLITE	THERMO PLASTIC EXIT SIGN UNIVERSAL FACE(S)		277	LED	-	-	INTEGRAL BATTERY BACK-UP



LIGHTING CONTROLS:

GENERAL:

- ALL LIGHTING CONTROLS SHALL BE IN CONFORMANCE WITH NEC, ASHRAE AND ALL LOCAL CODES.
- ALL LIGHTING CONTROLS SHALL BE OF ONE MANUFACTURER.

PRODUCTS:

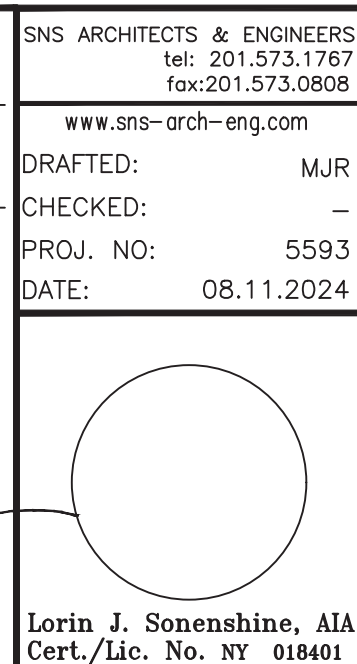
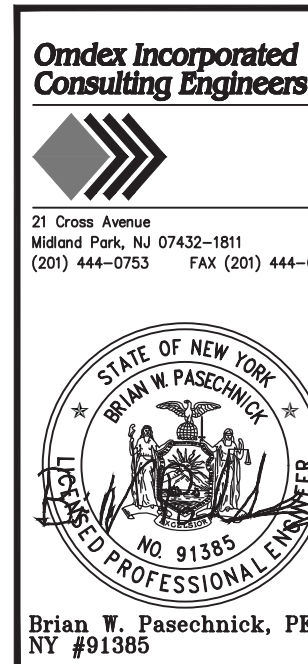
- ALL PRODUCTS SHALL BE UL LISTED.

SUBMITTALS:

- CONTRACTOR SHALL OBTAIN THE SERVICES OF A LIGHTING CONTROL VENDOR.
- VENDOR SHALL PREPARE SITE SPECIFIC FLOOR PLANS AND WIRING DIAGRAMS.
- PRODUCT DATA SHEETS SHALL BE SUBMITTED ALONG WITH PLANS AND WIRING DIAGRAMS.
- THE BASIS OF DESIGN IS PER WATTSTOPPER LIGHTING CONTROLS.

LIGHTING NOTES:

- COORDINATE EXACT LOCATION & MOUNTING OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- PROVIDE SEPARATE HOT LEG TO ALL LIGHTING FIXTURES CONTAINING EMERGENCY BATTERY INVERTER. REFER TO DETAILS FOR SWITCHING THE SAME.
- ELECTRICAL CONTRACTOR TO COORDINATE ALL LIGHTING FIXTURE TRIMS WITH CEILING TYPES. SEE ARCHITECTURAL DRAWINGS FOR CEILING INFORMATION.
- PROVIDE ALL SEISMIC CLIPS AND/OR BRACING AS REQUIRED. SUPPORT ALL FIXTURES FROM STRUCTURE ABOVE BY 2 INDEPENDENT SUPPORTS.
- CONTRACTOR TO PROVIDE ALL SITE SPECIFIC LIGHTING CONTROL SHOP DRAWINGS, CONTROL DIAGRAMS, CUT SHEETS, ETC.
- ALL OCCUPANCY/VACANCY SENSORS SHALL BE A MINIMUM OF 6' FROM ANY HVAC DIFFUSER.
- ALL NEW LIGHTING FIXTURE CIRCUITS AND HOMERUNS SHALL BE RUN WITH DEDICATED NEUTRAL CONDUCTORS.
- PROVIDE AFC "LUMINARY" CABLE FOR LED FIXTURE DIMMING OR PROVIDE EQUAL METHOD. PROVIDE 2#16 CONTROL FOR 0-10v DIMMING.
- EM OR HALF SHADED DESIGNATES EMERGENCY LIGHTS WIRED TO EMERGENCY GENERATOR CIRCUITS ALL EM FIXTURES TO BE UNSWITCHED AND ACT AS NIGHT LIGHTS UNLESS INDICATED OTHERWISE.
- ALL FIXTURES 3500K, UNLESS OTHERWISE SPECIFIED.



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Proj. No: 5593
Date: 08.11.2024

Lorin J. Sonenshine, AIA
Cert./Lic. No. NY 016401

ENGINEERING REVIEW
DEPT. SIGNATURE DATE
CIVIL
METEERING
RELAY
CONSTRUCTION

OWN DES CHRO
DESIGN REVIEW DATE

VILLAGE OF SPRING VALLEY
ROCKLAND COUNTY, NEW YORK

SNS Architects & Engineers, PC
ONE PARAGON DRIVE . MONTVALE . NEW JERSEY . 07645

APPROVED
DATE
INFORMATION
COMMENTS
BID
CONSTRUCTION

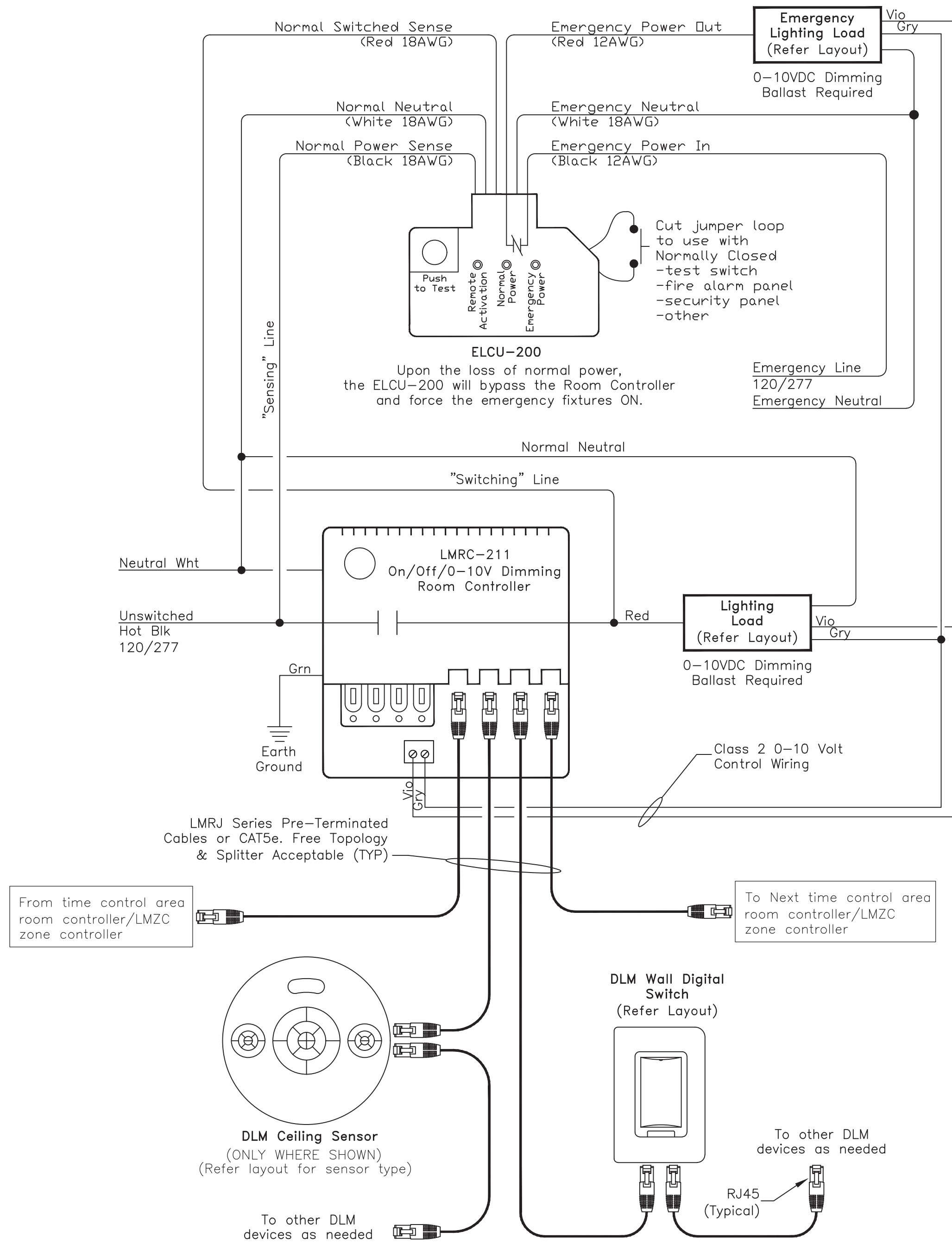
SCALE
AS NOTED

FILE NO.
DRAWING NUMBER
SHEET
REV.

ISSUED FOR BUILDING DEPARTMENT FILING & BIDDING
04-28-2025

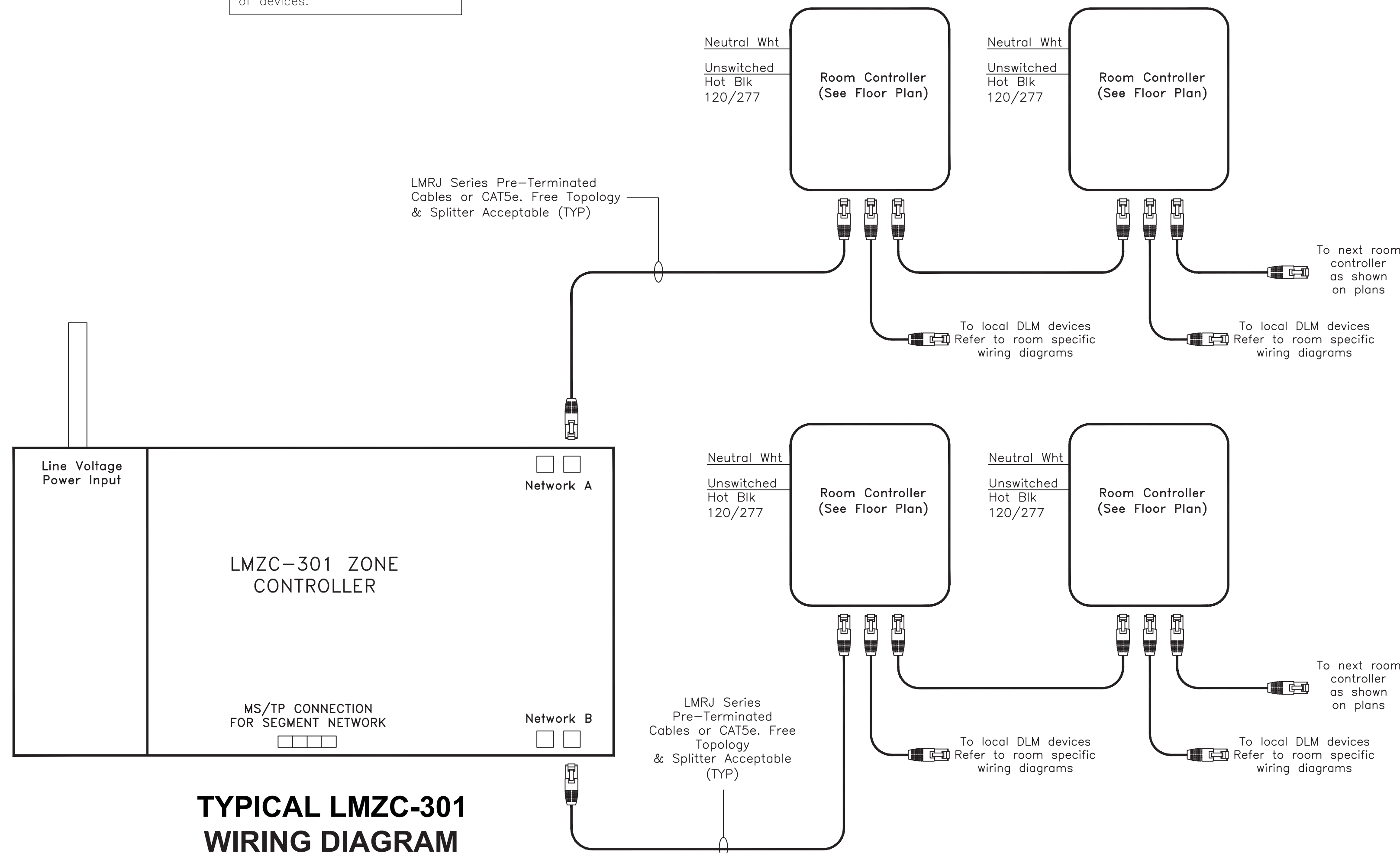
ORANGE AND ROCKLAND UTILITIES, INC.
SPRING VALLEY NEW YORK

SVOC NEW OFFICE ADDITION
TAX MAP ID 56.52-1-2
500 WEST ROUTE 94
VILLAGE OF SPRING VALLEY
TOWN OF RAMAPO
ROCKLAND COUNTY, NEW YORK



**TYP. CORRIDOR
(LMRC-211 WITH ELCU-200)
WIRING DIAGRAM**

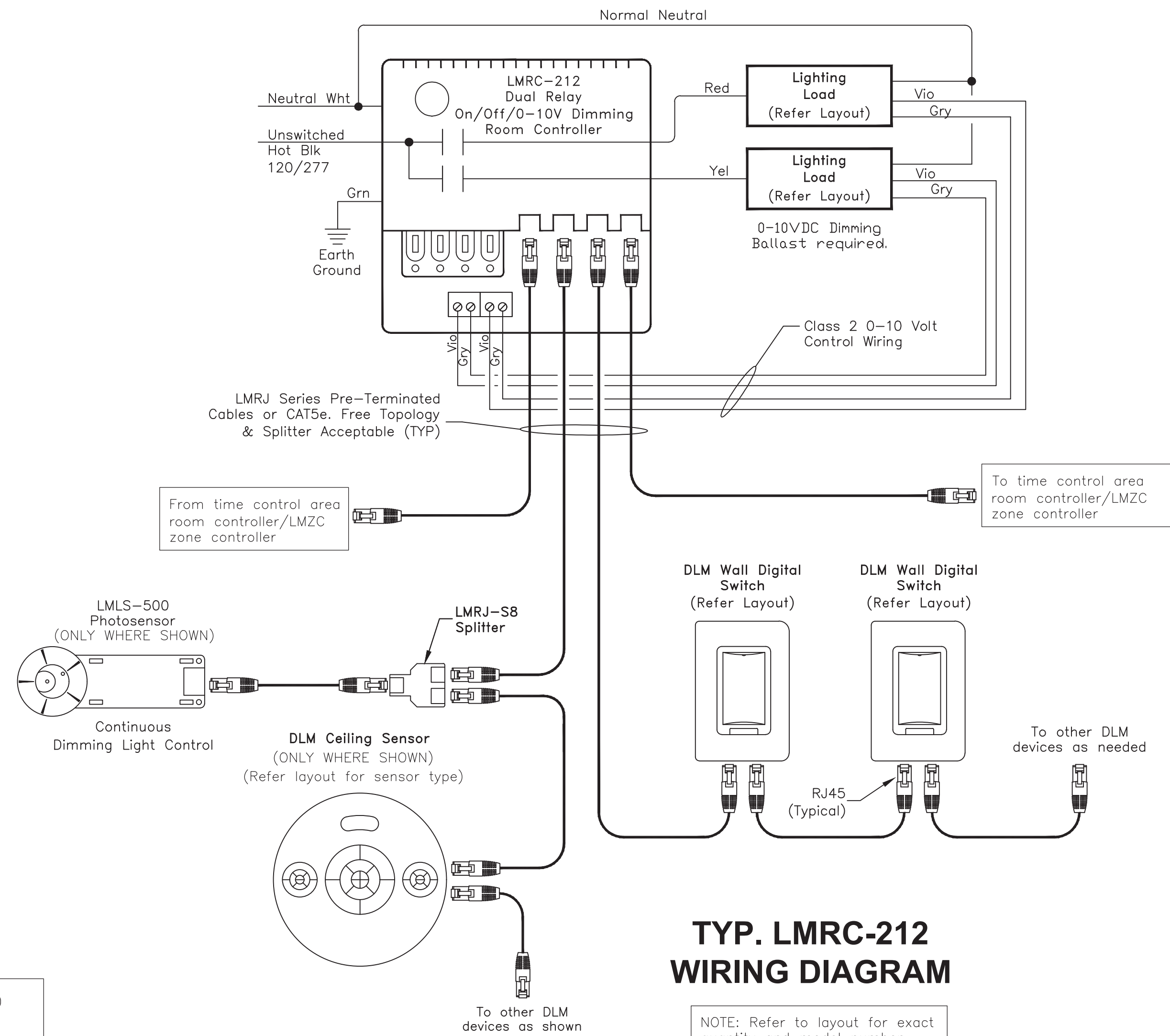
NOTE: Refer to layout for exact quantity and model number of devices.



**TYPICAL LMZC-301
WIRING DIAGRAM**

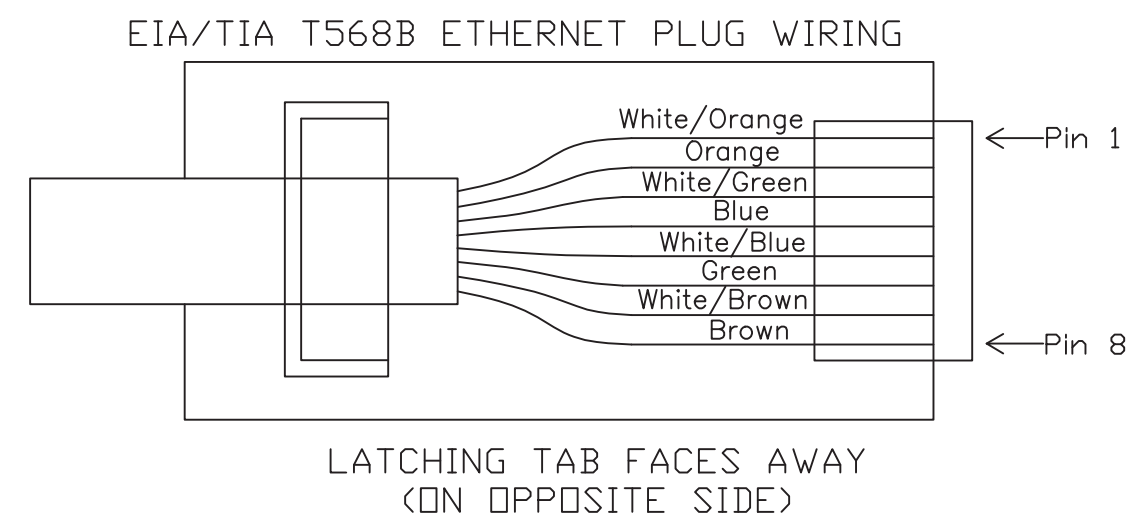
NOTE: Refer to layout for exact quantity and model number of devices.

NOTE: ALL ROOM CONTROLLERS WILL BE DAISY CHAINED VIA CAT5e CABLE TO A ZONE CONTROLLER LMZC-301 (NETWORK A/B) FOR TIME CONTROL. (REFER LMZC-301 RISER DIAGRAM)

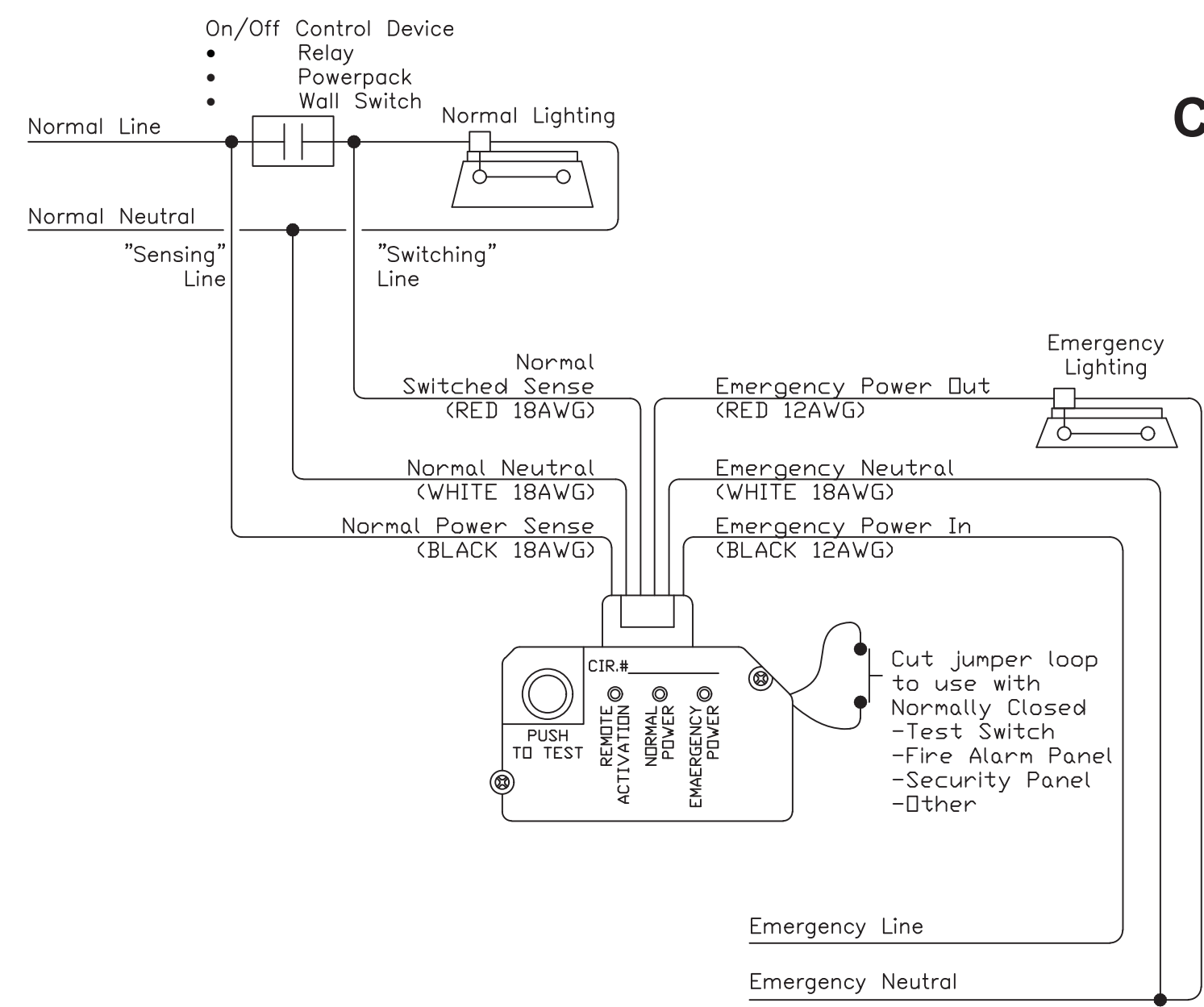


**TYP. LMRC-212
WIRING DIAGRAM**

NOTE: Refer to layout for exact quantity and model number of devices.



CAT5E WIRING DIAGRAM



ELCU-200 TYPICAL WIRING DIAGRAM

PROVIDE ELCU-200 ONLY WHERE SHOWN ON FLOOR PLANS

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STATE OF NEW YORK
JULY 1, 2011
Professional Engineer
Brian W. Parnick, PE
NY #91385

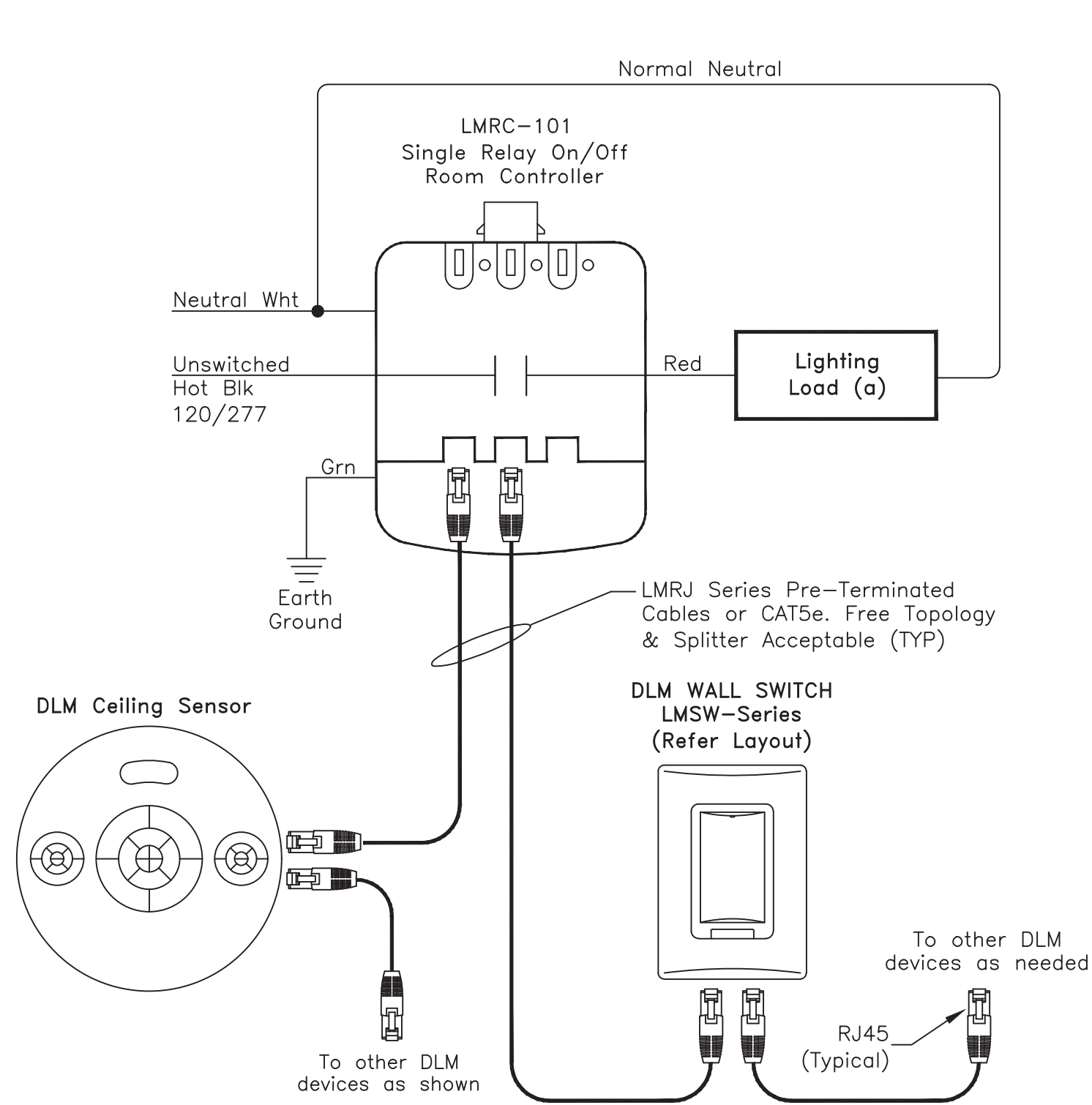
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DRAFTED: MJR
CHECKED: 5593
DATE: 08.11.2024

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ENGINEERING REVIEW
DEPT. CIVIL
SIGNATURE
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DATE: 08.11.2024

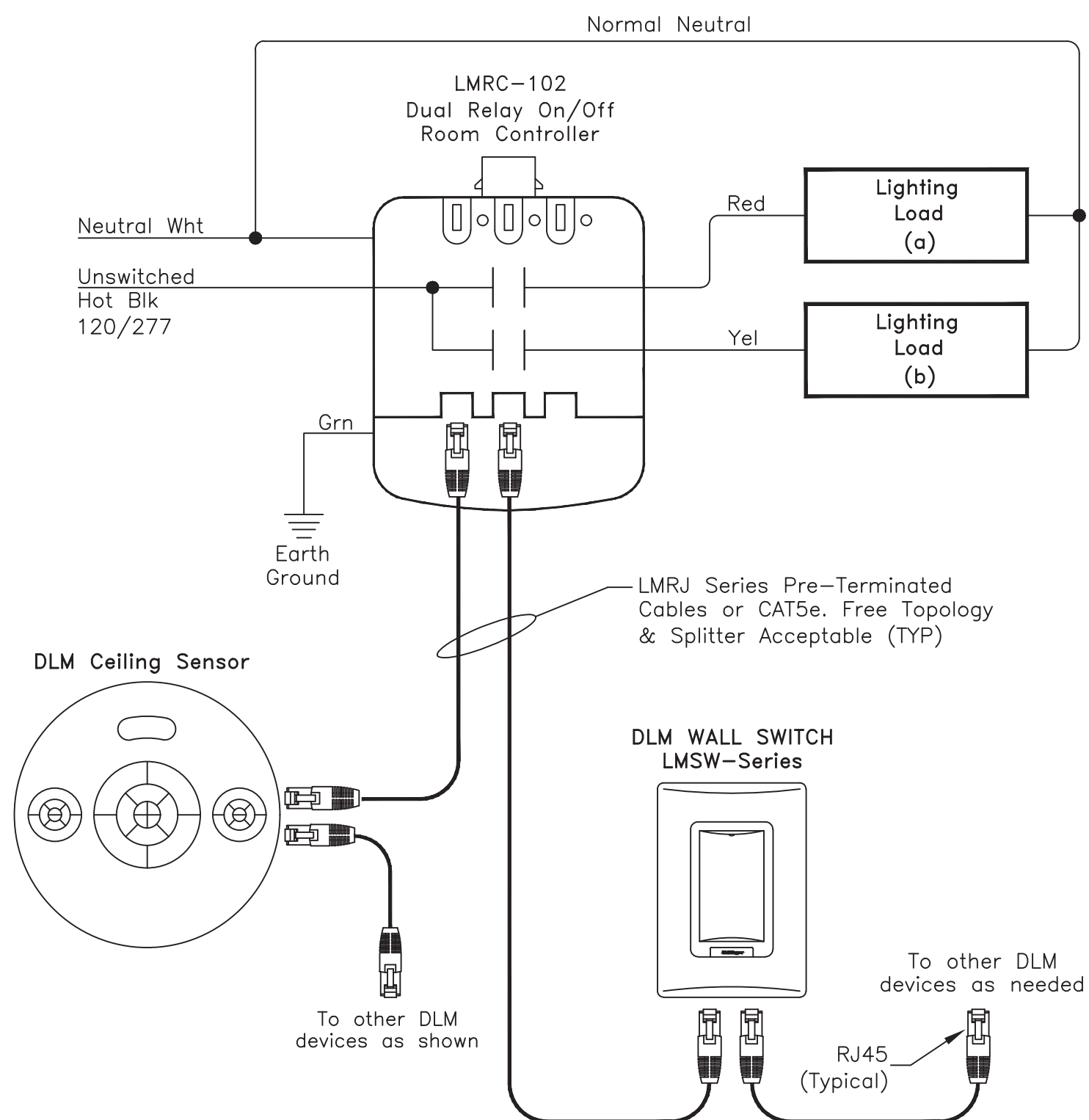
DESIGN REVIEW
DATE: 08.11.2024

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 ORANGE AND ROCKLAND UTILITIES, INC. SPRING VALLEY NEW YORK					
APPROVED		LIGHTING DETAILS			
DATE		SVOC NEW OFFICE ADDITION			
☐ INFORMATION		TAX MAP ID 58.52-1-2			
☐ COMMENTS		300 WEST ROUTE 50			
☐ BID		VILLAGE OF SPRING VALLEY			
☐ CONSTRUCTION		TOWN OF RAMAPO			
☐ _____		ROCKLAND COUNTY, NEW YORK			
SCALE		FILE NO.	DRAWING NUMBER	SHEET	REV.
AS NOTED			E-502	76 OF 95	
ROCKLAND COUNTY, NEW YORK					
o John Lignos, AIA					
o Lorin J. Sonenshine, AIA					
o Steven Napolitano, PE, PP					
o Robert Nocella, AIA					
Architects & Engineers, PC					
MONTAILE		NEW JERSEY 07645			



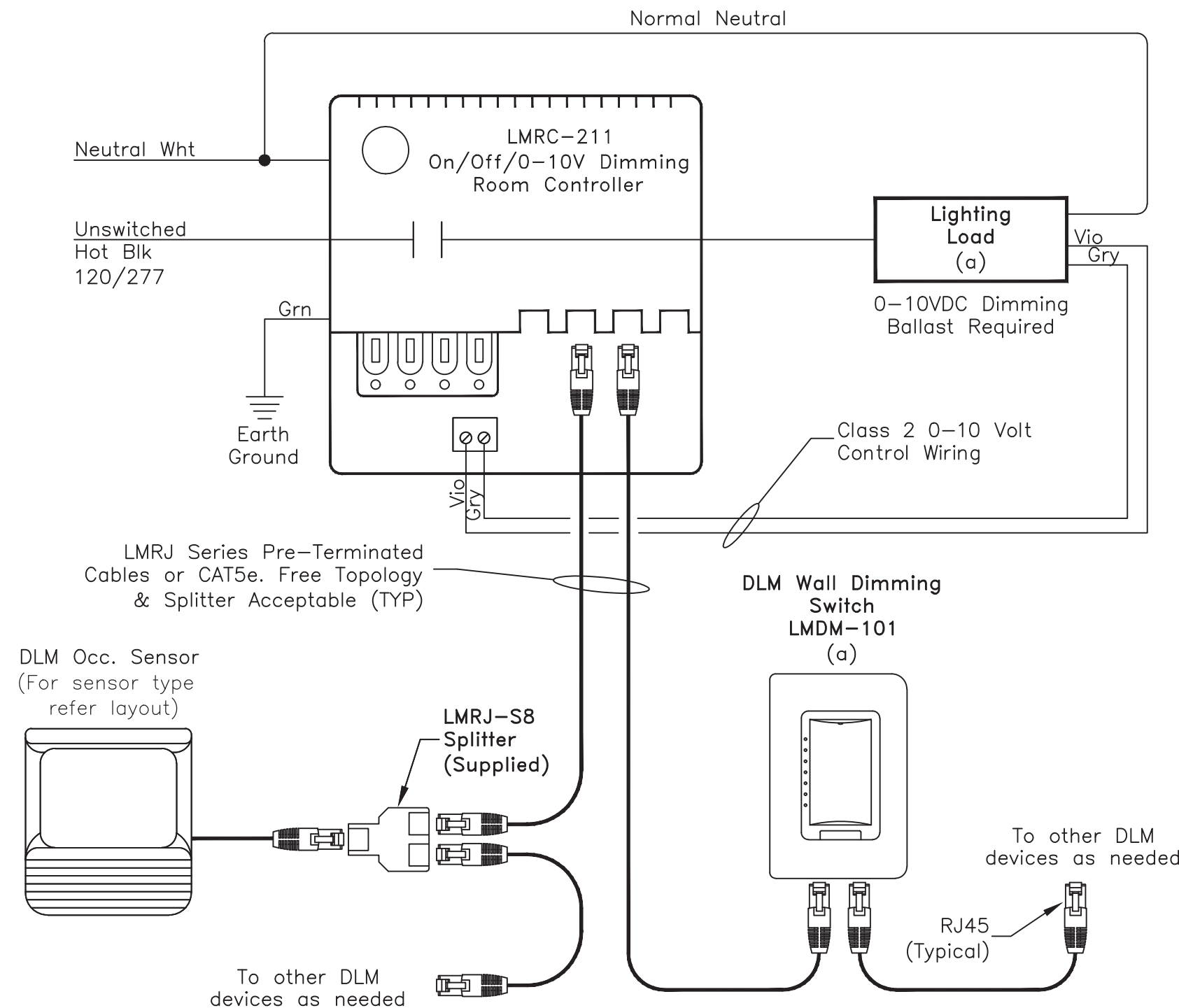
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WIRING DIAGRAM**

NOTE: Refer to layout for exact quantity and model number of devices.



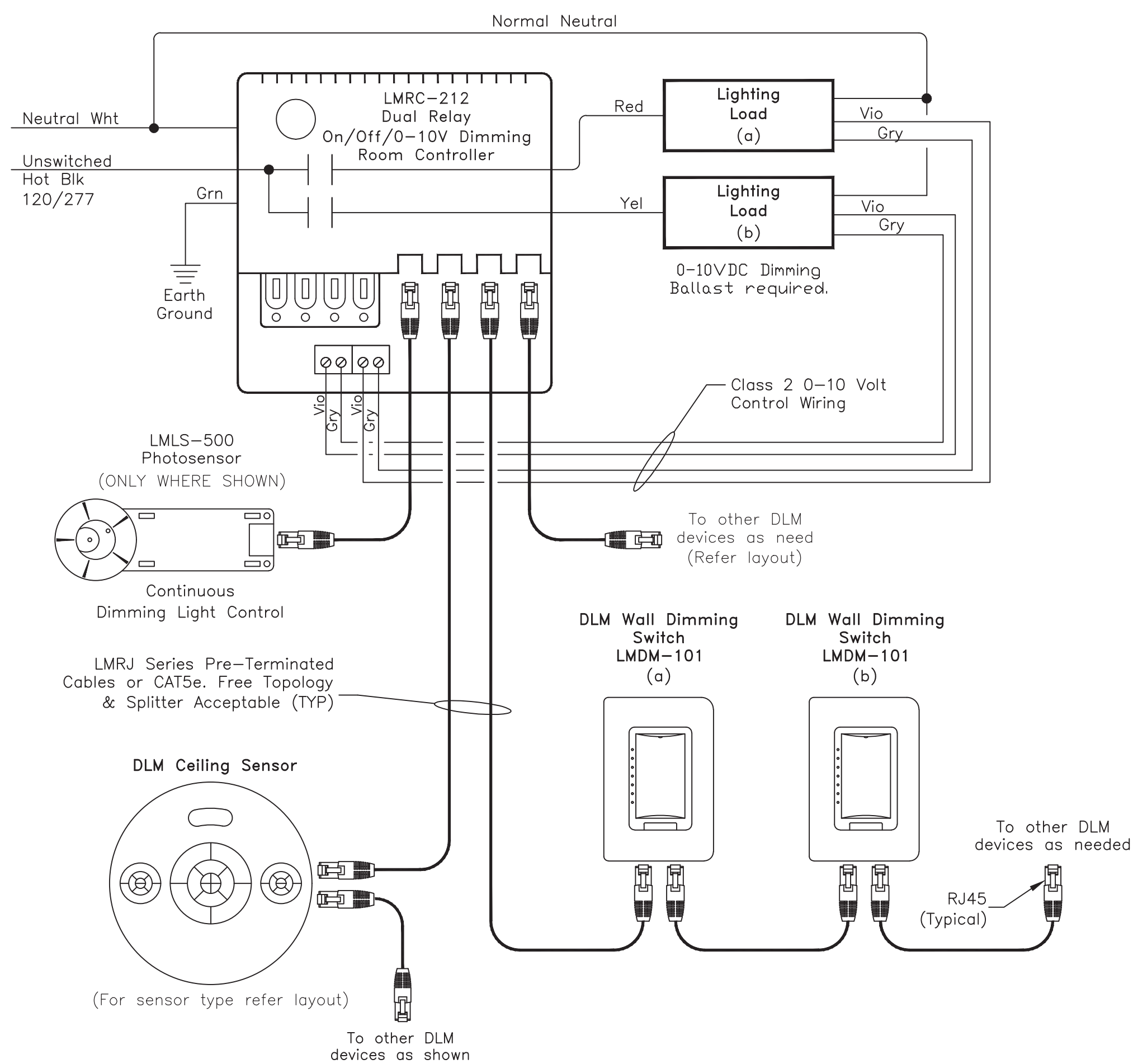
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NOTE: Refer to layout for exact quantity and model number of devices.



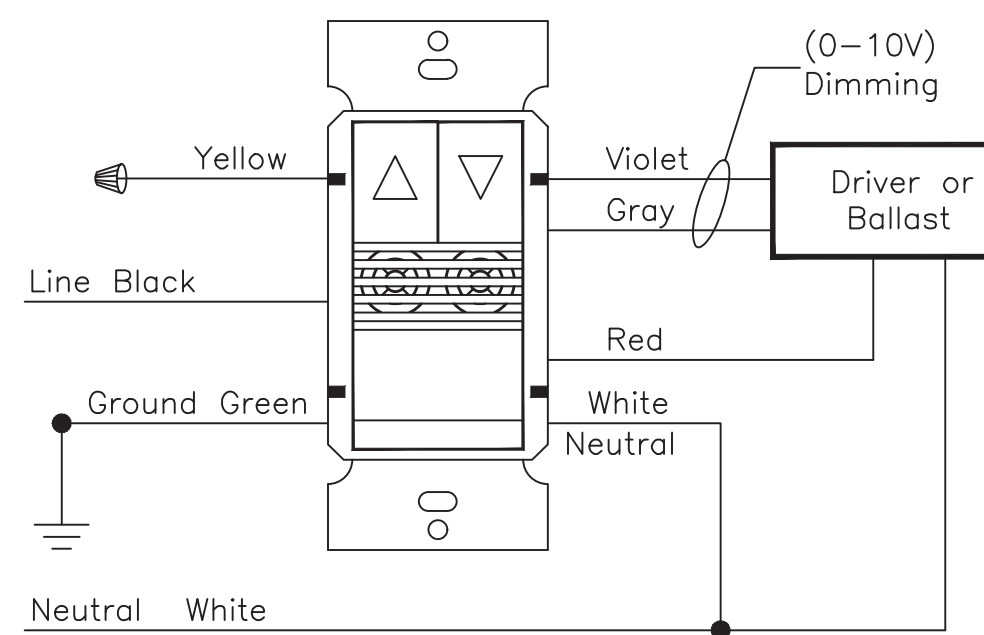
**TYP. LMRC-211
WIRING DIAGRAM**

NOTE: Refer to layout for exact quantity and model number of devices.

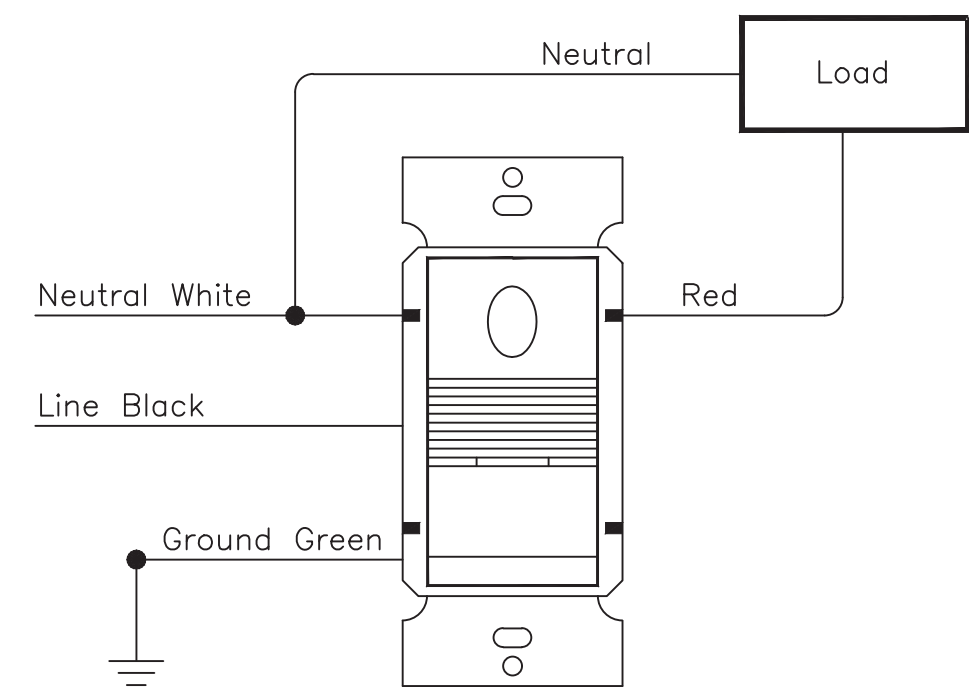


**TYP. LMRC-212
WIRING DIAGRAM**

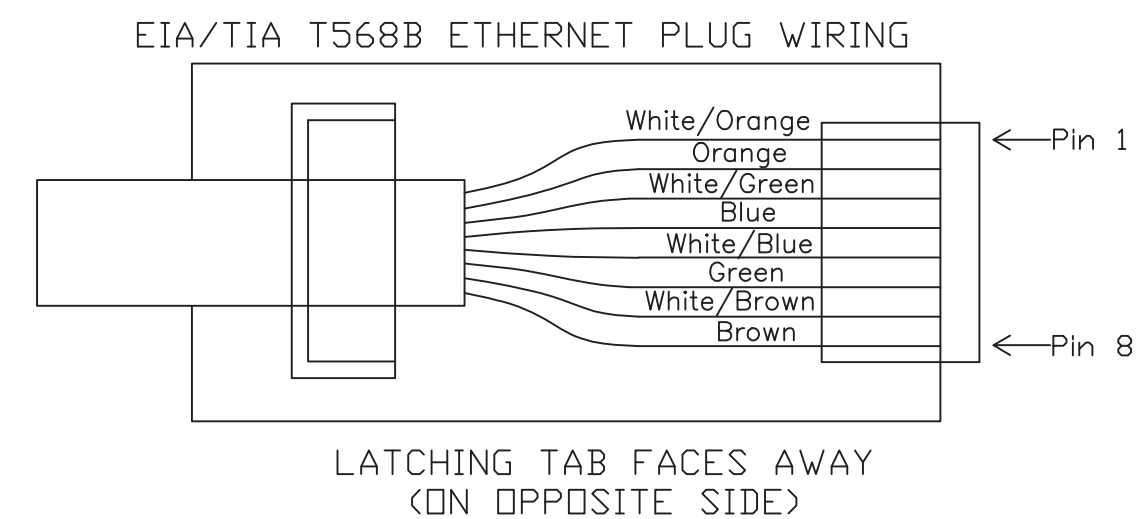
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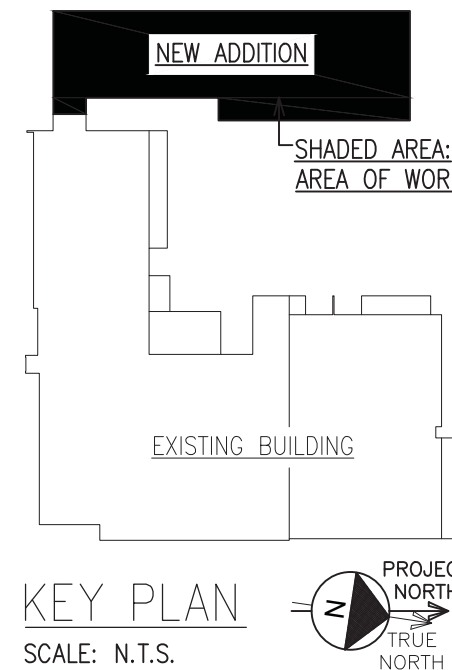
**DW-311
WIRING DIAGRAM**



**PW-101
WIRING DIAGRAM**



CAT5E WIRING DIAGRAM



1	ISSUED FOR BUILDING DEPARTMENT FILING & BIDDING	04-28-2025
ORANGE AND ROCKLAND UTILITIES, INC. SPRING VALLEY NEW YORK		
LIGHTING DETAILS SVOC NEW OFFICE ADDITION TAX MAP ID 68.62-1-2 380 WEST ROUTE 68 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK		
APPROVED DATE DEPT. CIVIL METERING RELAY TUNING & SUB DATE: 08.11.2024	ENGINEERING REVIEW DEPT. CIVIL METERING RELAY TUNING & SUB DATE: 08.11.2024	FILE NO. E-503 SHEET 77 OF 95 REV.

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ORANGE AND ROCKLAND UTILITIES, INC.
SPRING VALLEY NEW YORK

SVOC NEW OFFICE ADDITION
TAX MAP ID 68.62-1-2
380 WEST ROUTE 68
VILLAGE OF SPRING VALLEY
TOWN OF RAMAPO
ROCKLAND COUNTY, NEW YORK

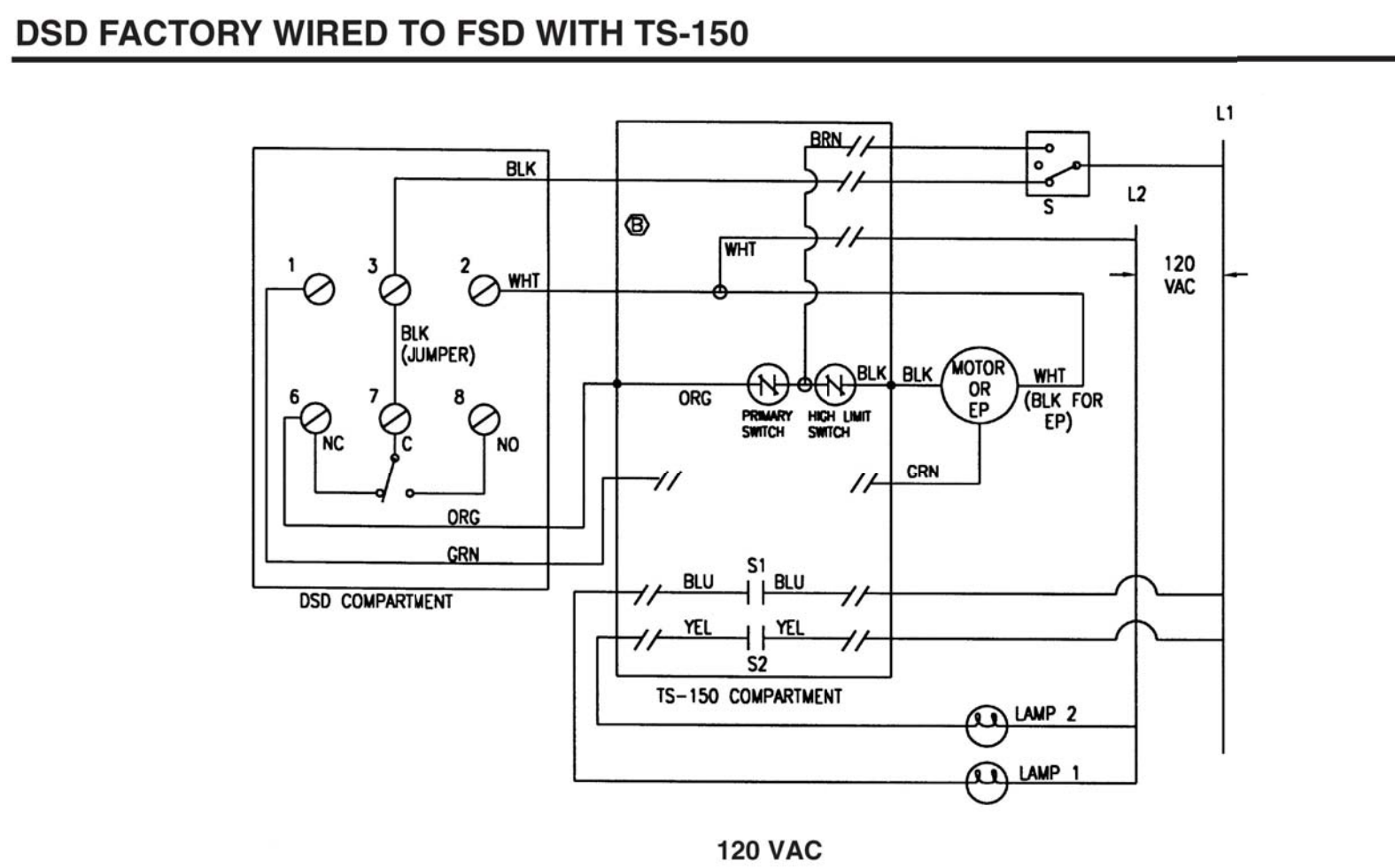
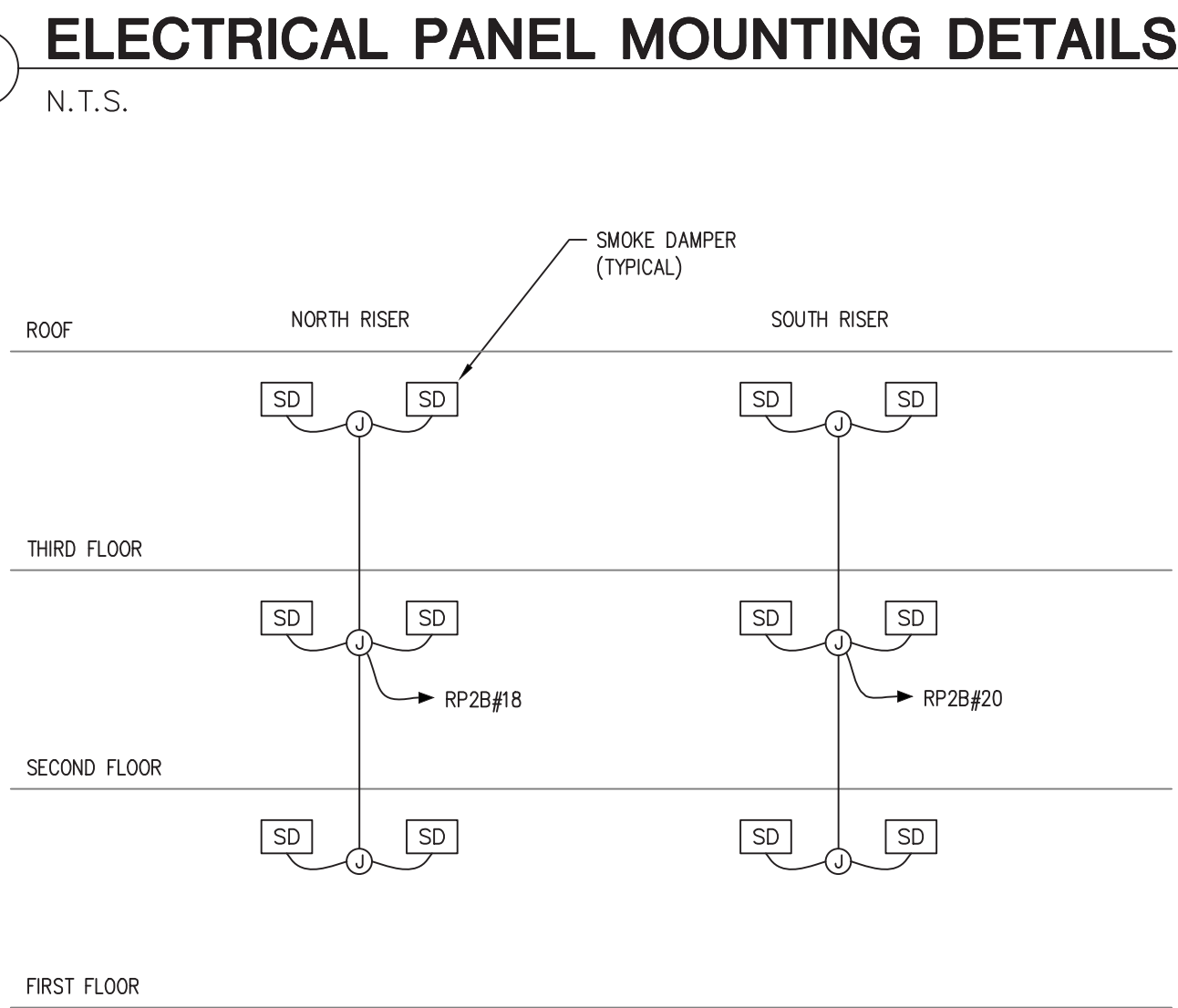
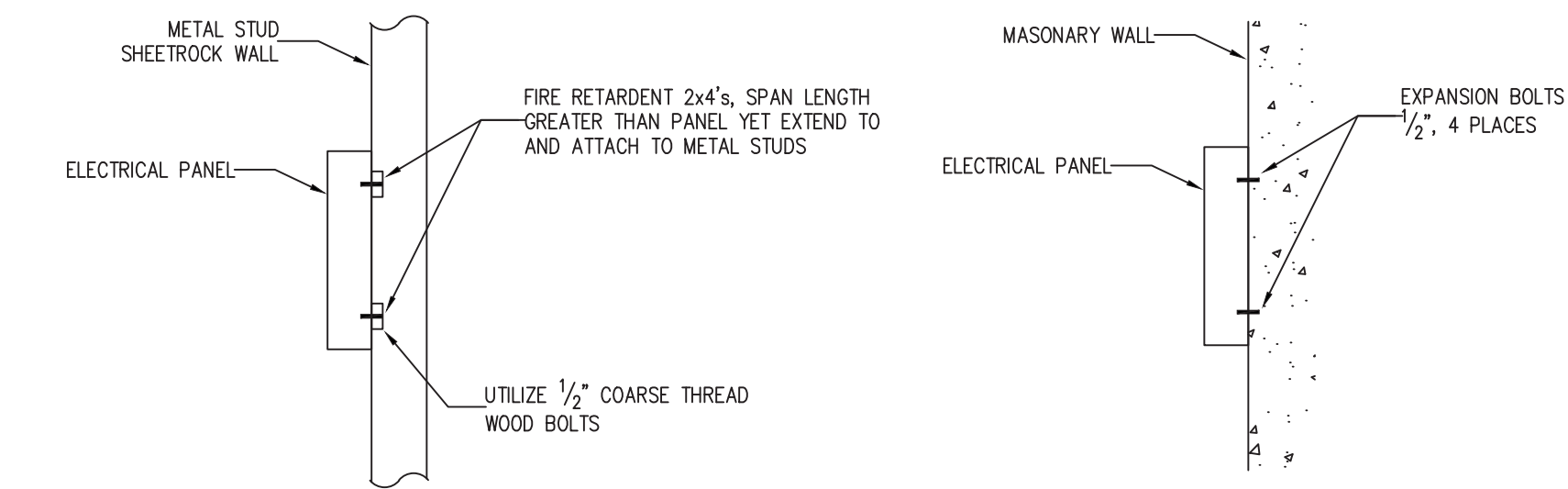
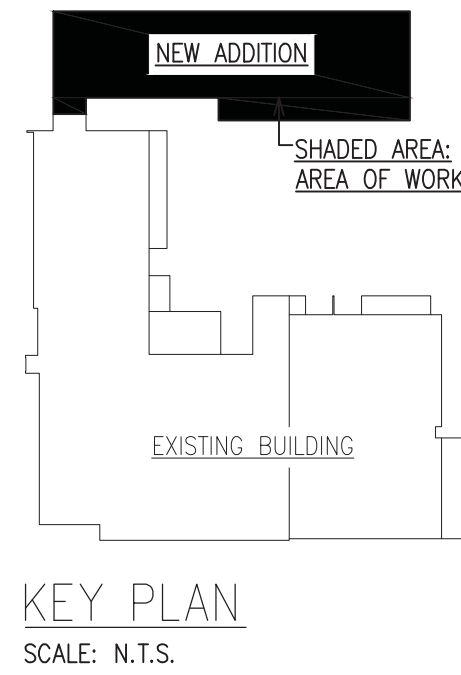
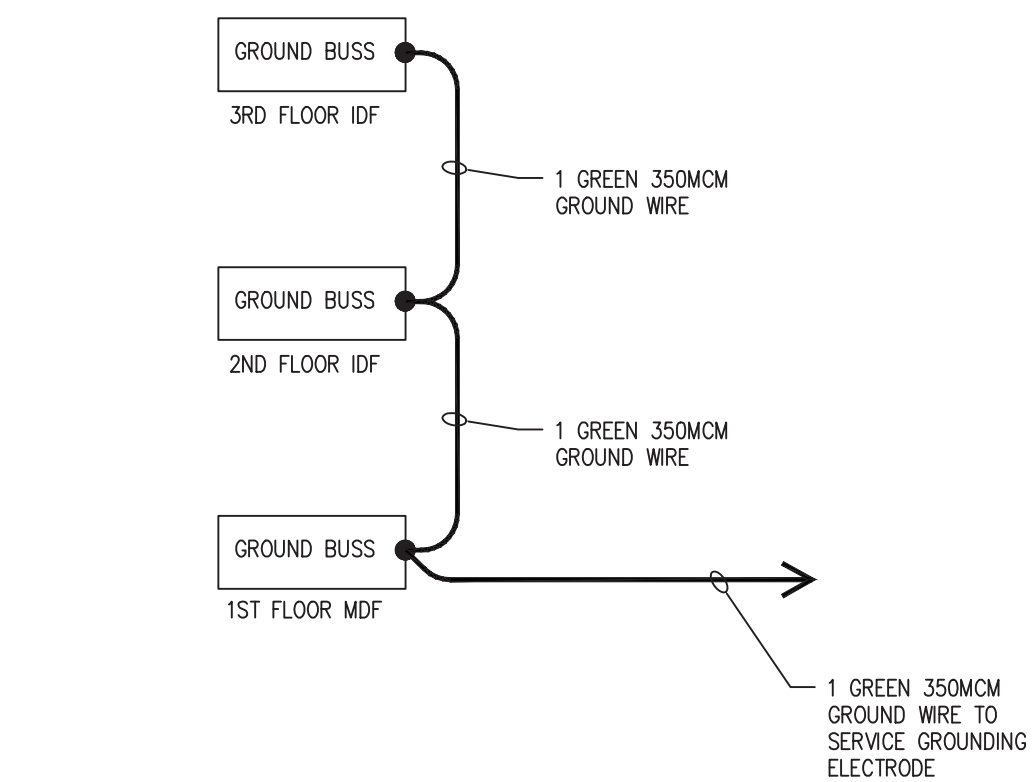
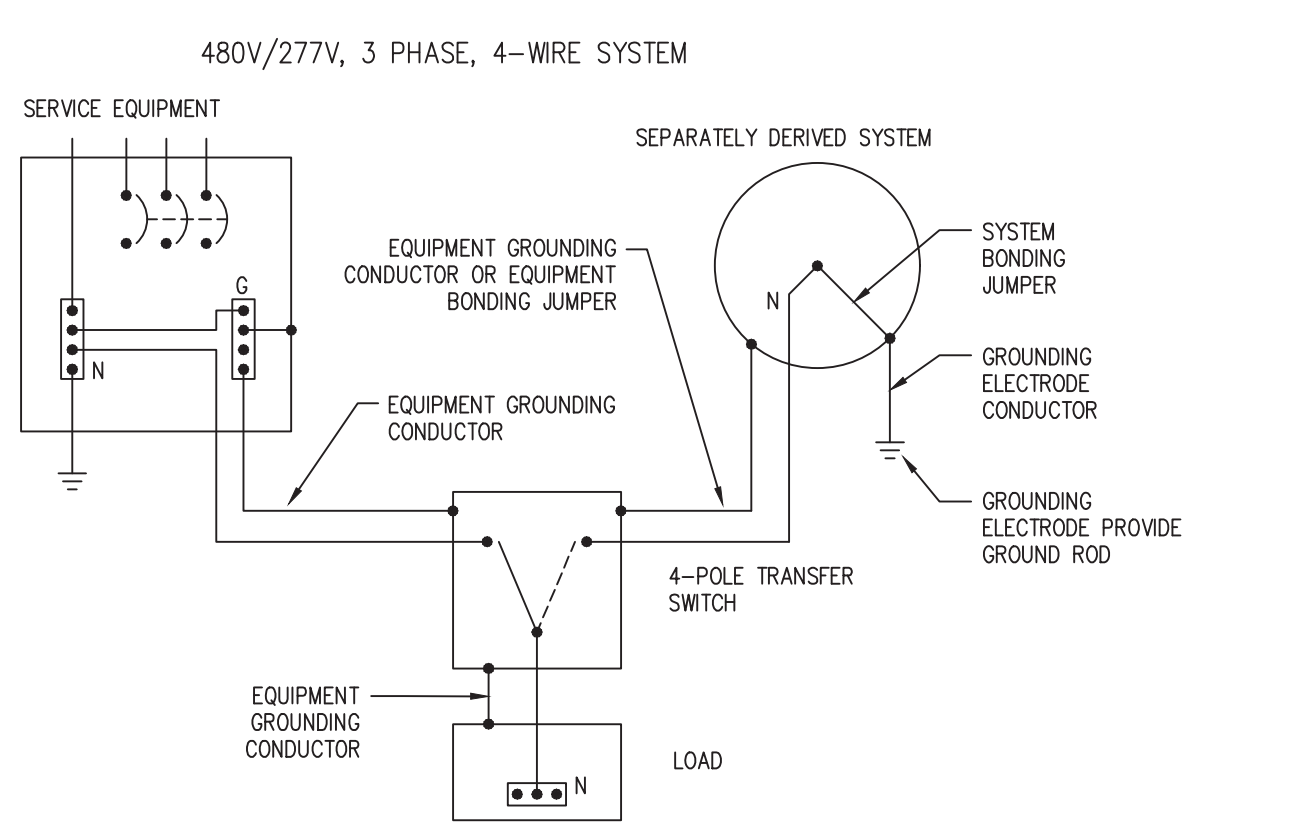
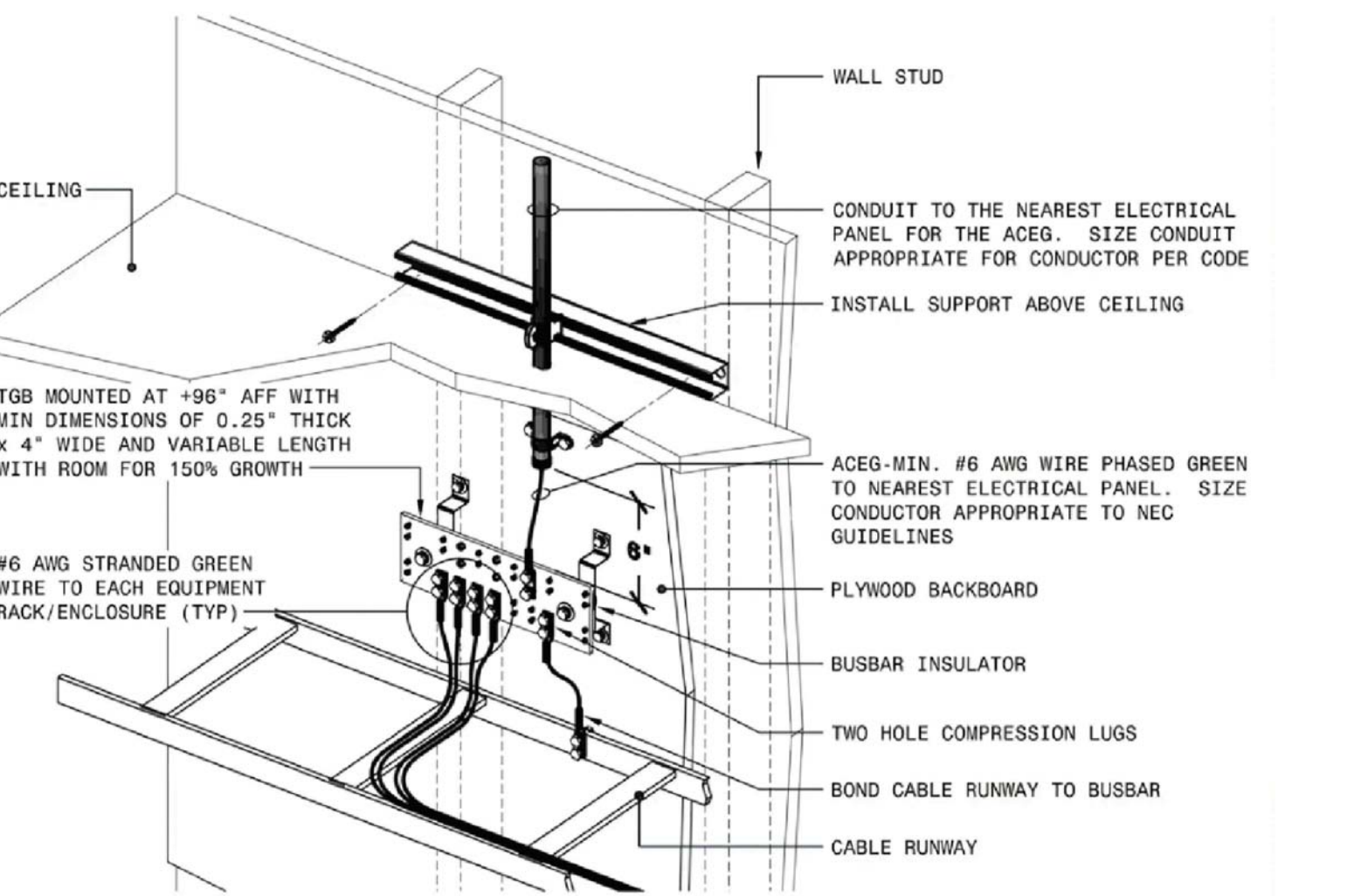
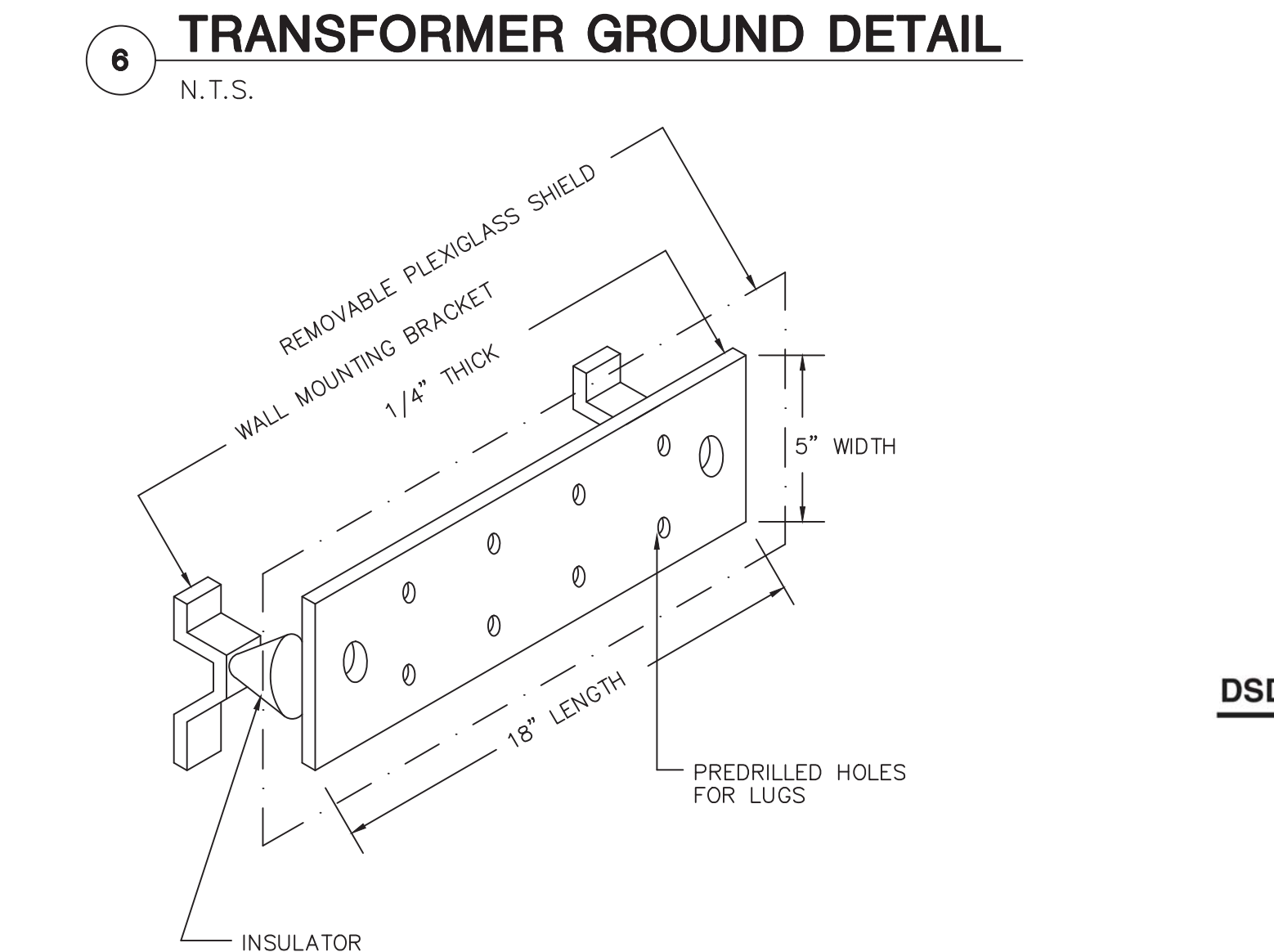
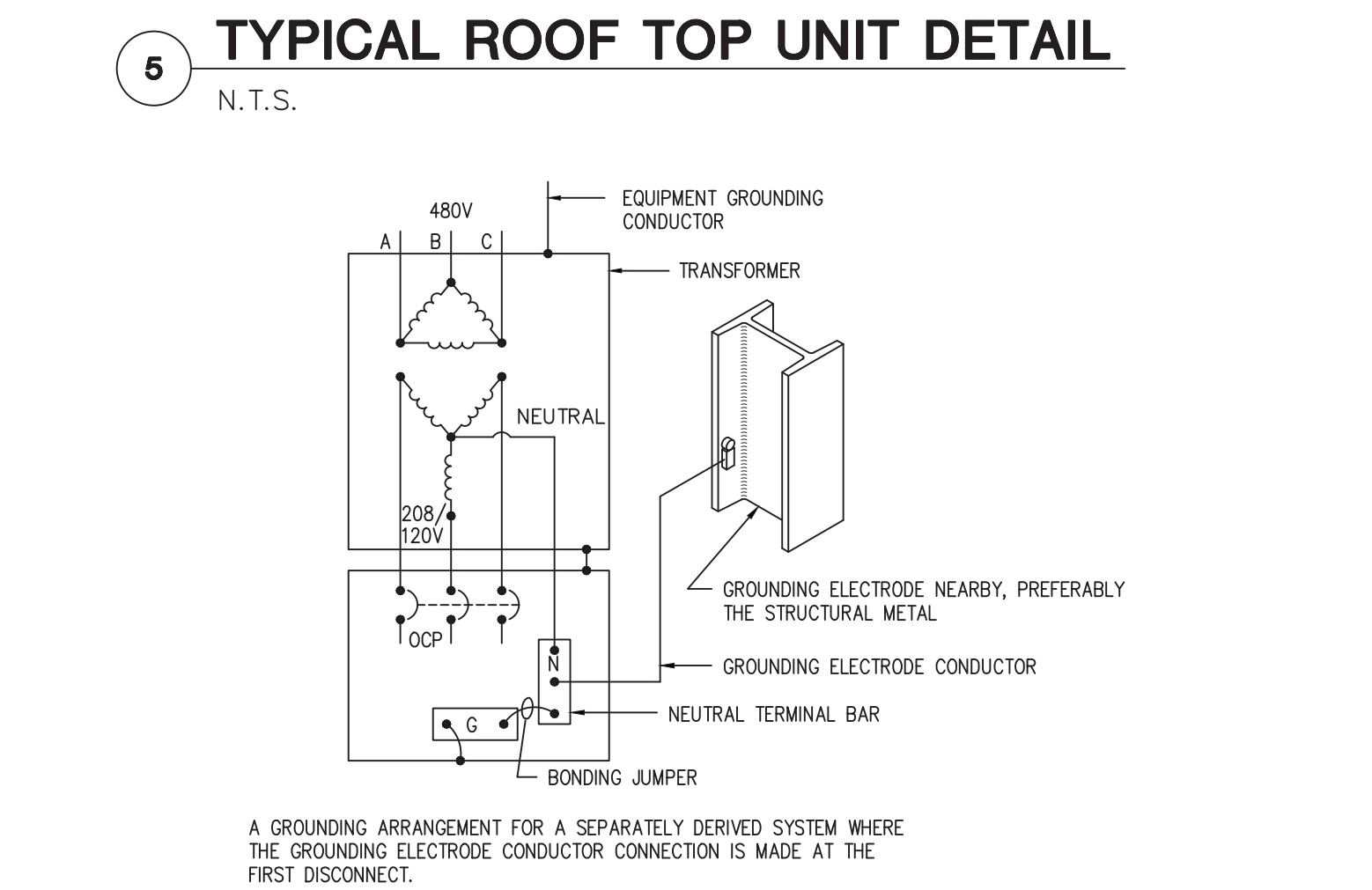
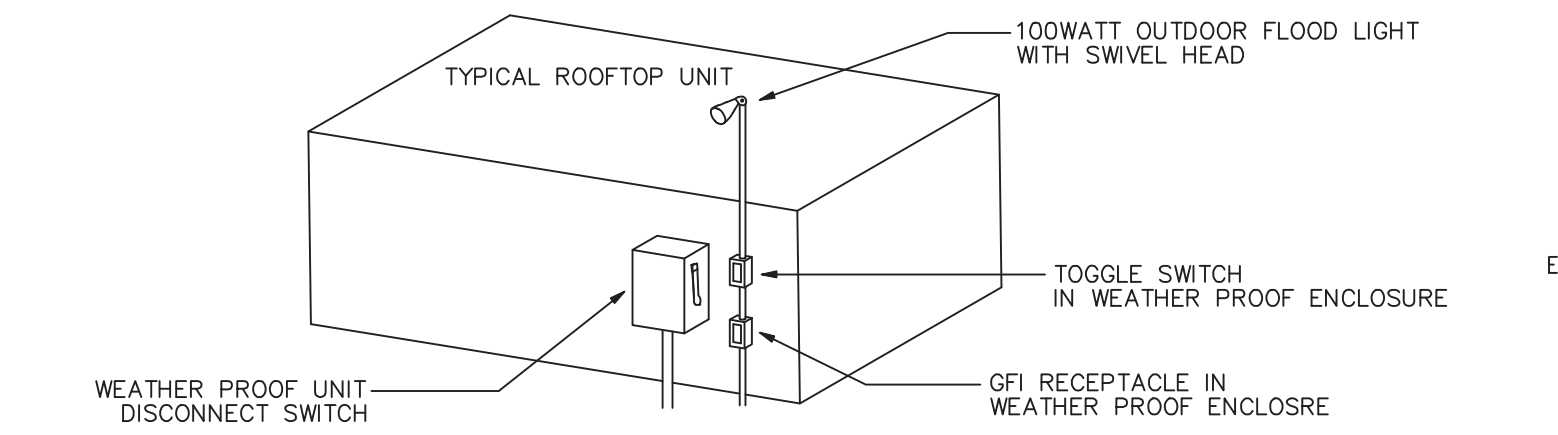
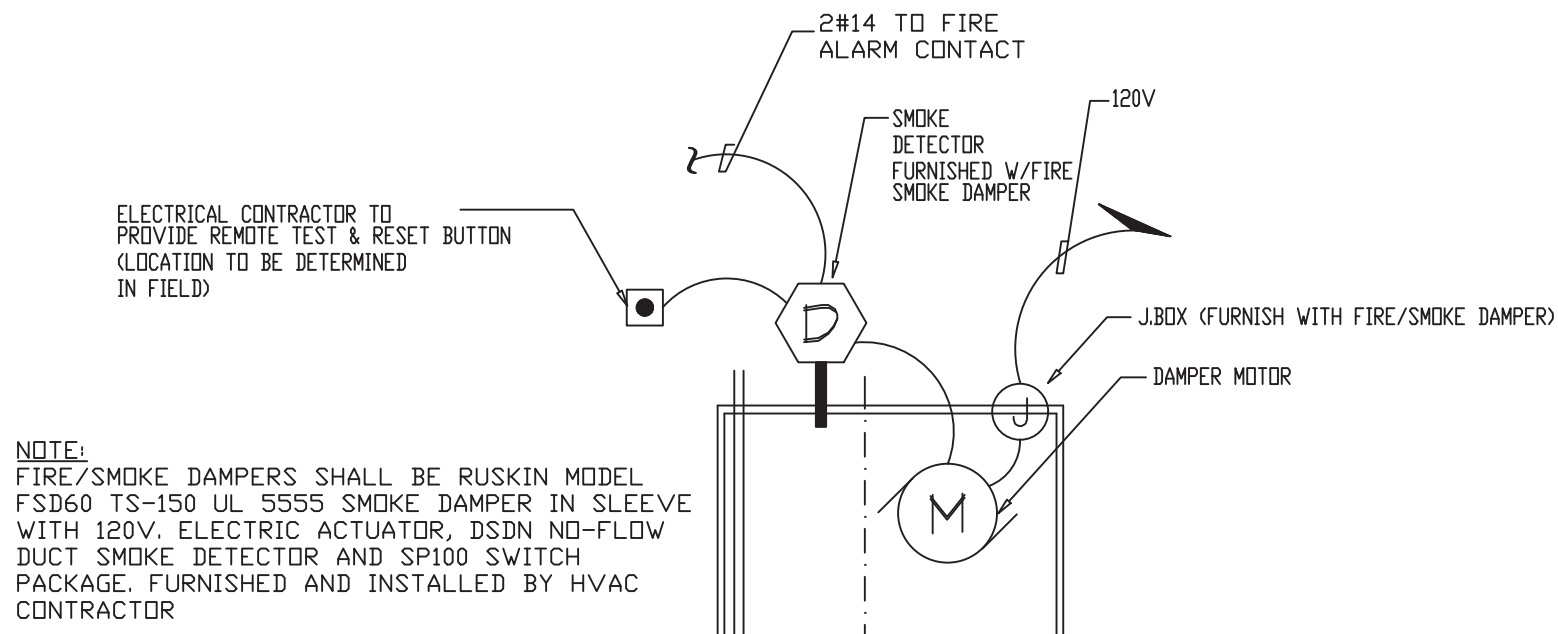
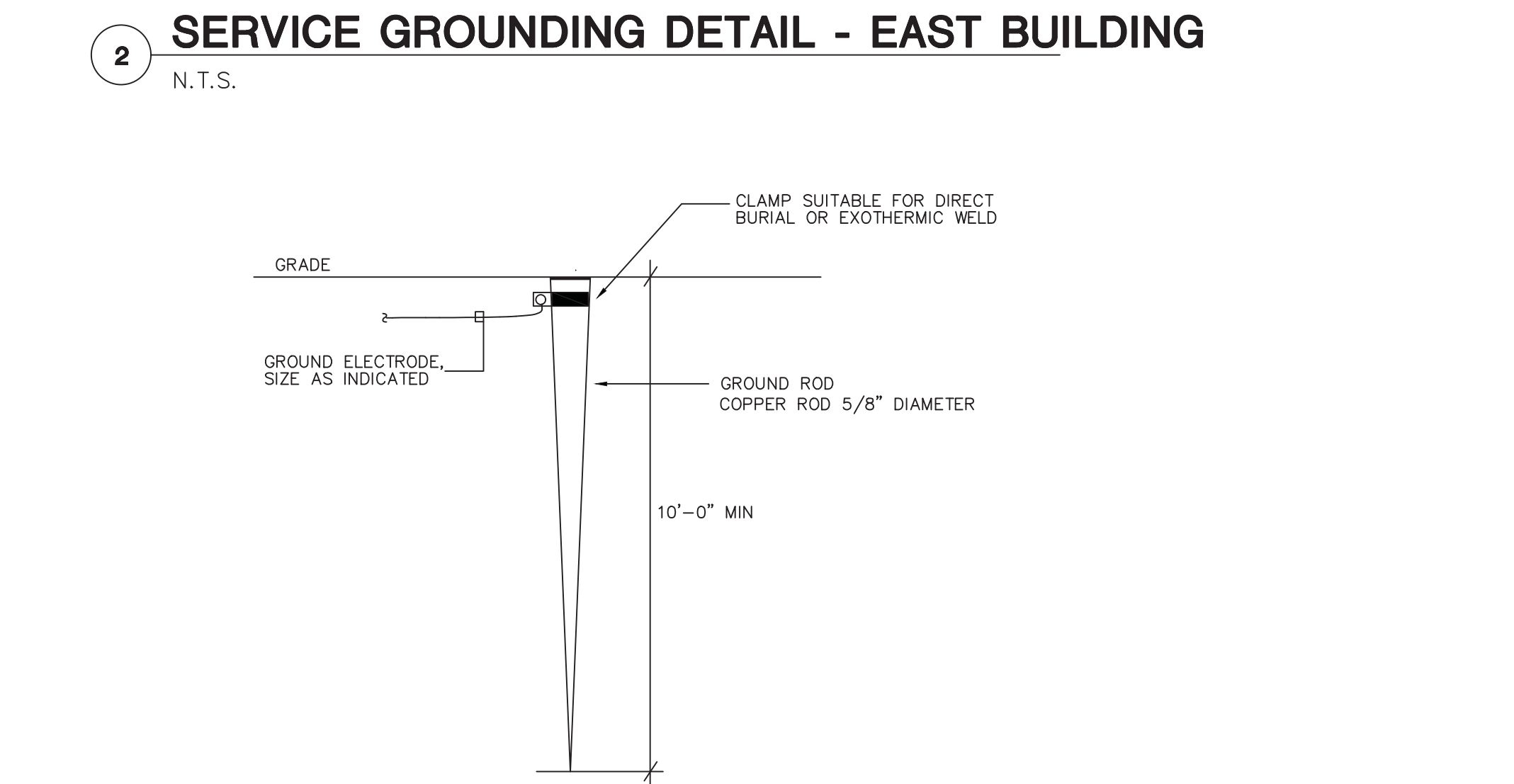
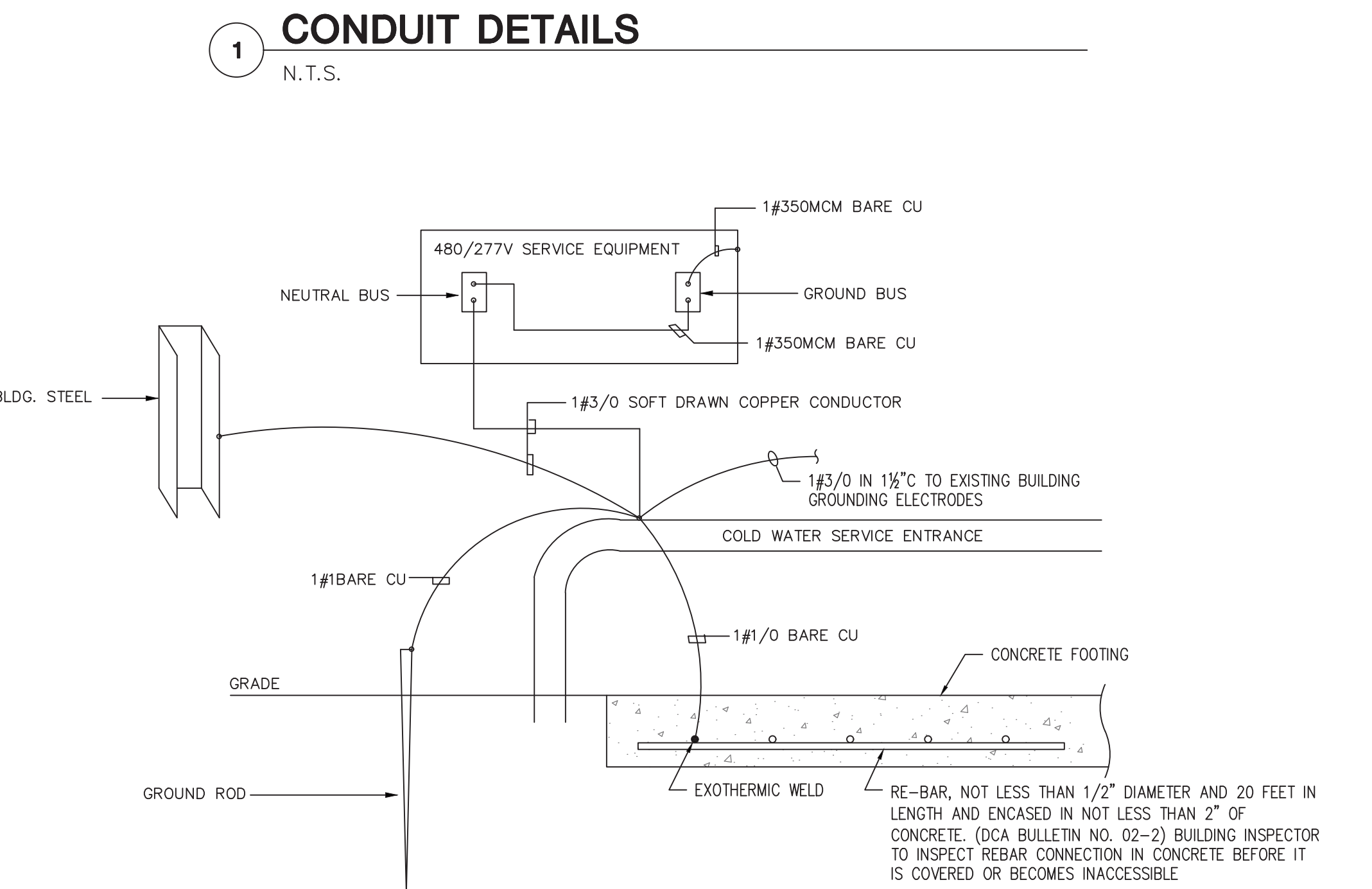
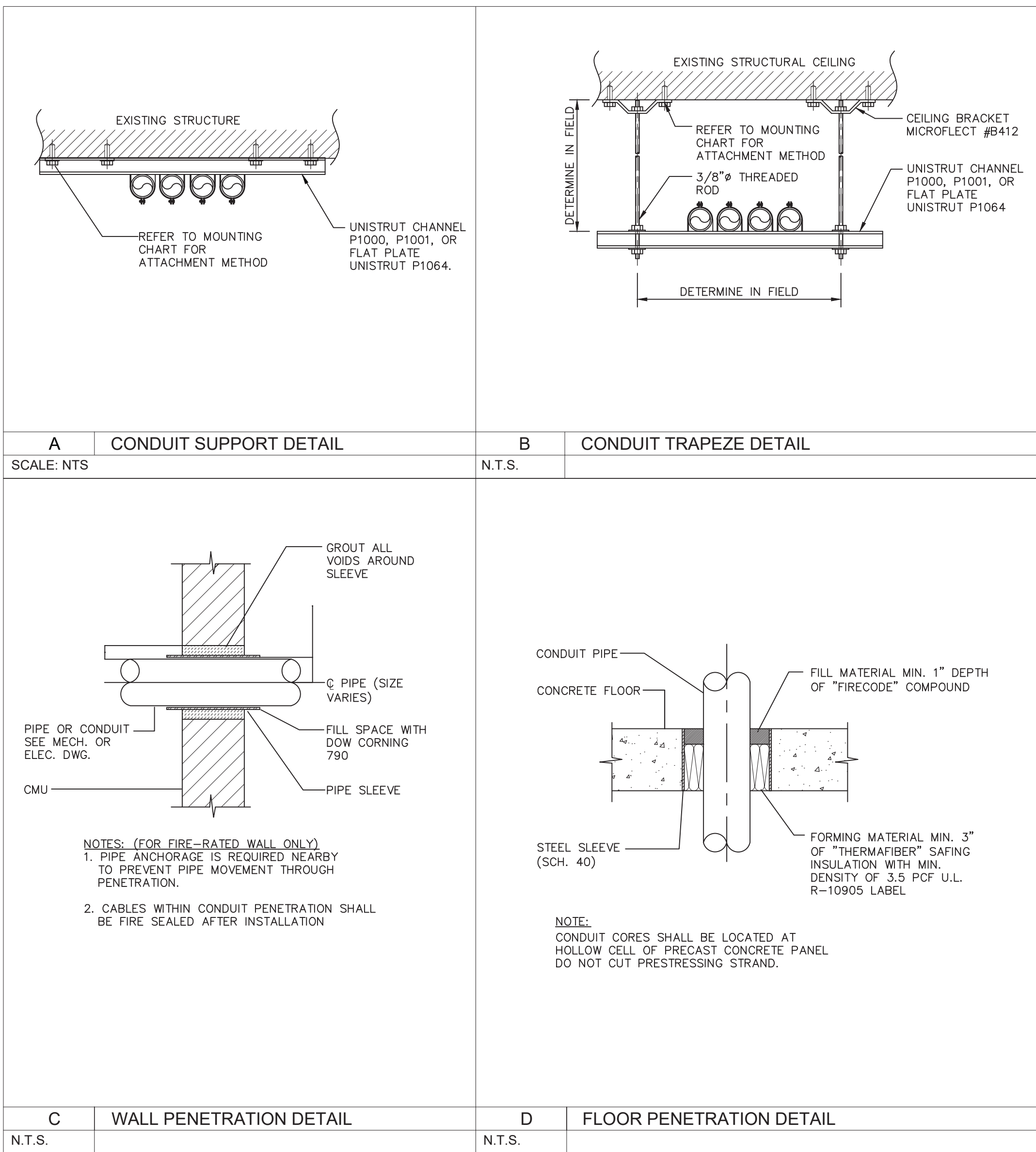
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& SUB
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FILE NO.
E-503

SHEET
77 OF 95

REV.



- NOTES
1. NOT ALL SCREW TERMINALS # IN THE DSD COMPARTMENT ARE SHOWN, FOR CLARITY.
 2. CONNECTORS BETWEEN SCREW TERMINALS 6, 7 & 8 ARE PRE-WIRED BY THE DSD MANUFACTURER. AT SMOKE CONDITION, CONTACT BETWEEN 6 & 7 BREAKS; CONTACT BETWEEN 7 & 8 MAKES.
 3. THREE POSITION SWITCH "S" LAMP 1 AND LAMP 2 ARE BY DAMPER MANUFACTURER.
 4. THESE WIRING DIAGRAMS APPLY TO MODEL DH-98 SMOKE DETECTOR (MADE BY HOCHIKI) WITH PHOTOELECTRIC DETECTOR HEAD.
 5. // INDICATED CONNECTIONS NEEDED TO BE MADE IN THE FIELD BY QUALIFIED ELECTRICIAN.

SMOKE DAMPER WIRING DIAGRAM
NTS

Omdex Incorporated Consulting Engineers 21 Cross Avenue Midland Park, NJ 07432-1001 (201) 444-0253 FAX (201) 444-0833	SNS ARCHITECTS & ENGINEERS 480 BLYSS 100 WEST ROUTE 94 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK	ENGINEERING REVIEW DEPT: CIVIL SIGNATURE: [] DATE: [] METERING: [] RELAY: [] TURNS & SUB: []	APPROVED DATE: []	ELECTRICAL DETAILS	
	DRAFTED: MJR PROJ. NO: 5593 DATE: 08.11.2024		SVOC NEW OFFICE ADDITION TAX MAP ID 58.52-1-2 3RD WEST ROUTE 94 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK		
	DESIGN REVIEW: [] DATE: []		FILE NO: [] DRAWING NUMBER: E-601 SHEET: 78 OF 95		
	VILLAGE OF SPRING VALLEY		ROCKLAND COUNTY, NEW YORK		

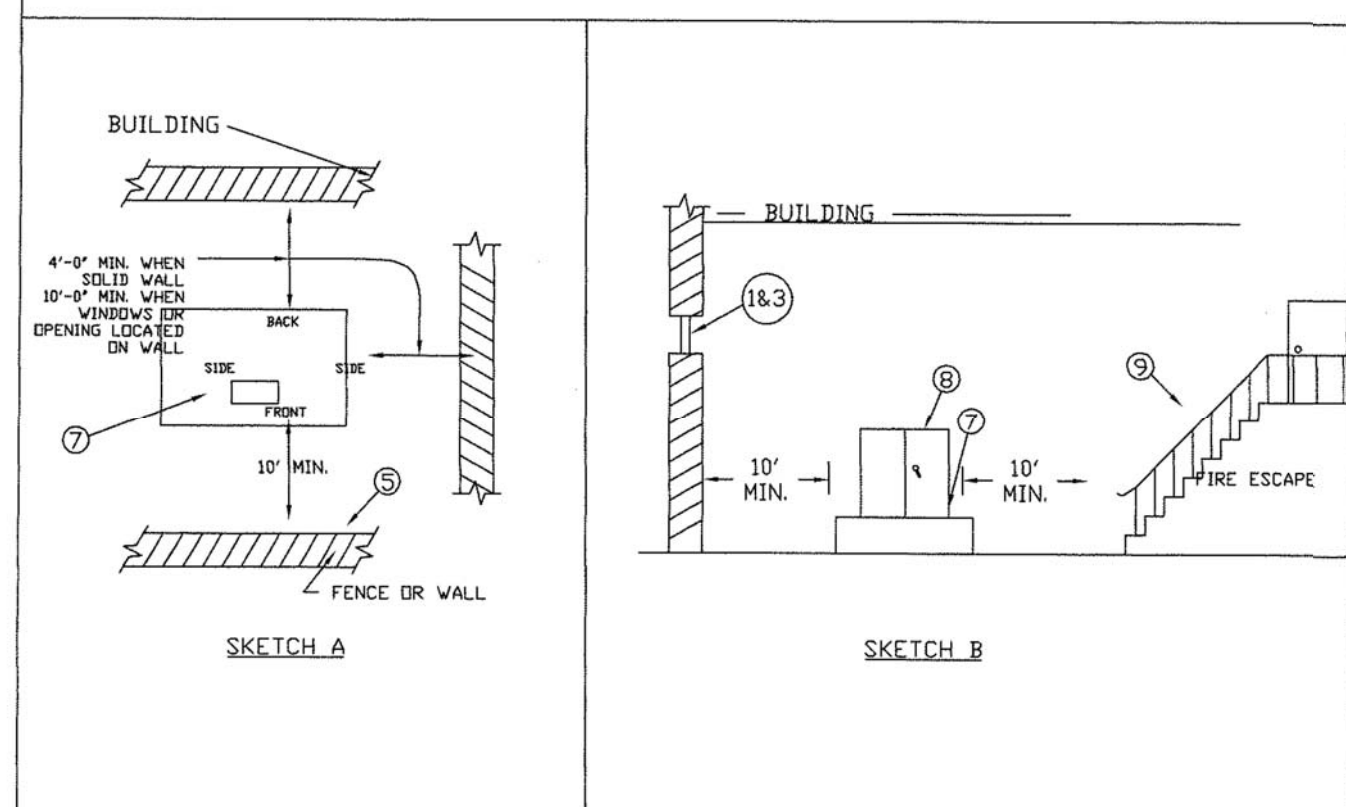
SNS Architects & Engineers, PC ONE PARAGON DRIVE MONTVALE NEW JERSEY 07645	John Lignos, AIA Lorin J. Sonenshine, AIA Steven Napolitano, PE, PP Robert Nocella, AIA
--	--

7. CLEARANCES (CONTINUED):

- F. SIDE OF PAD AND ANY LOADING RAMP - FIFTY FEET (50'). SEE SKETCH E.
- G. SIDE OF PAD AND ANY RISER POLE - TEN FEET (10'). SEE SKETCH F.
- H. SIDES OF PAD AND ANY COMBUSTIBLE WALL OR OVERHANG - TEN FEET (10').
- I. SHRUBBERY SHALL NOT BE INSTALLED IN FRONT OF THE TRANSFORMER AND A MINIMUM CLEARANCE OF FOUR FEET (4') AWAY FROM LIMBS ON THE REMAINING THREE (3) SIDES.

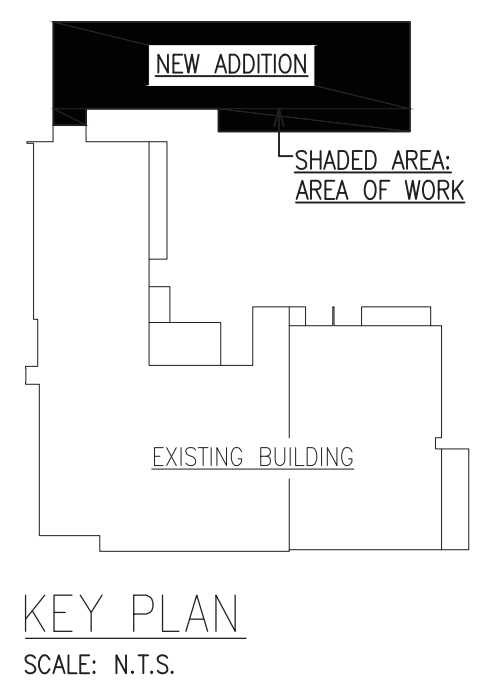
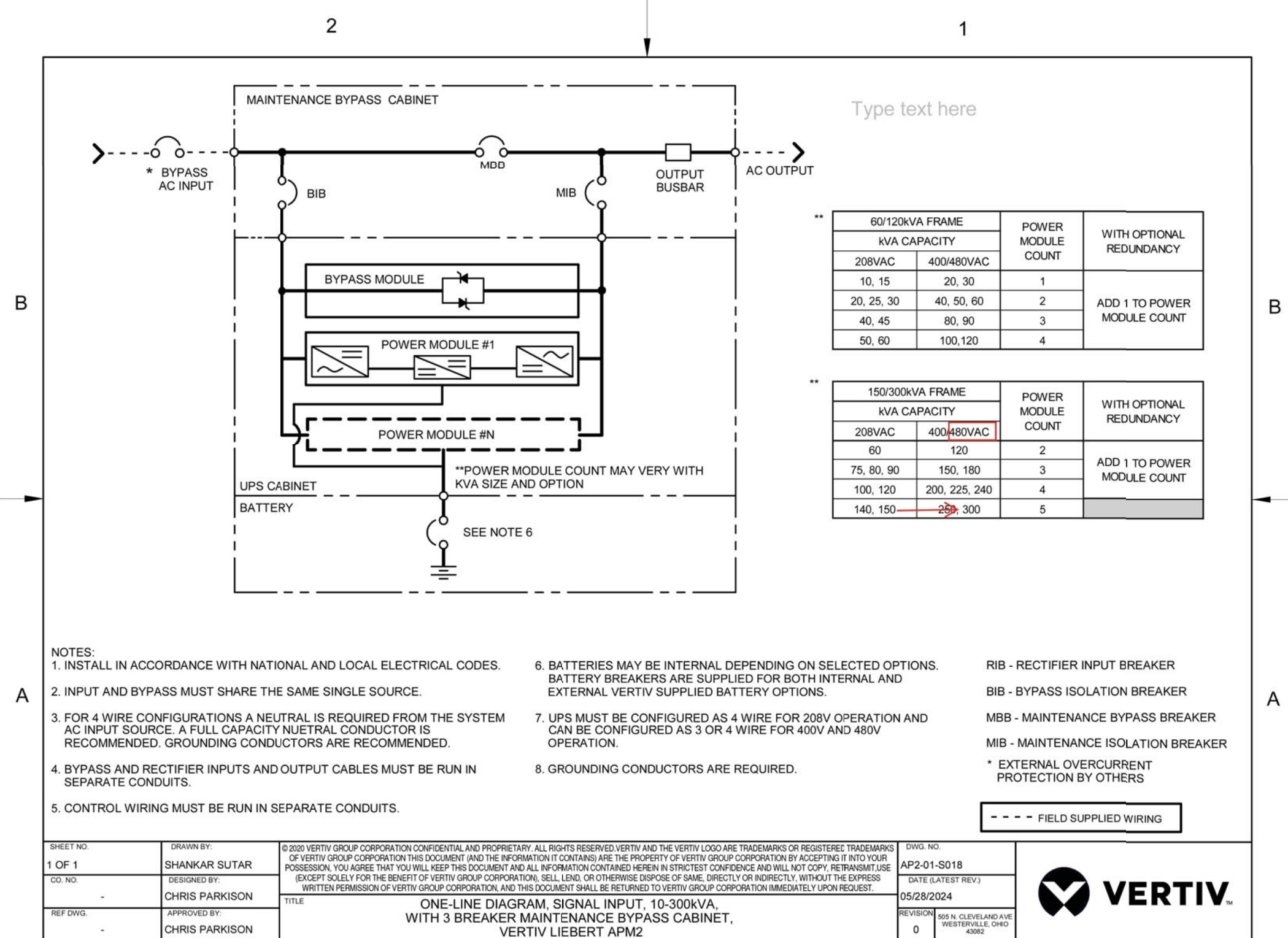
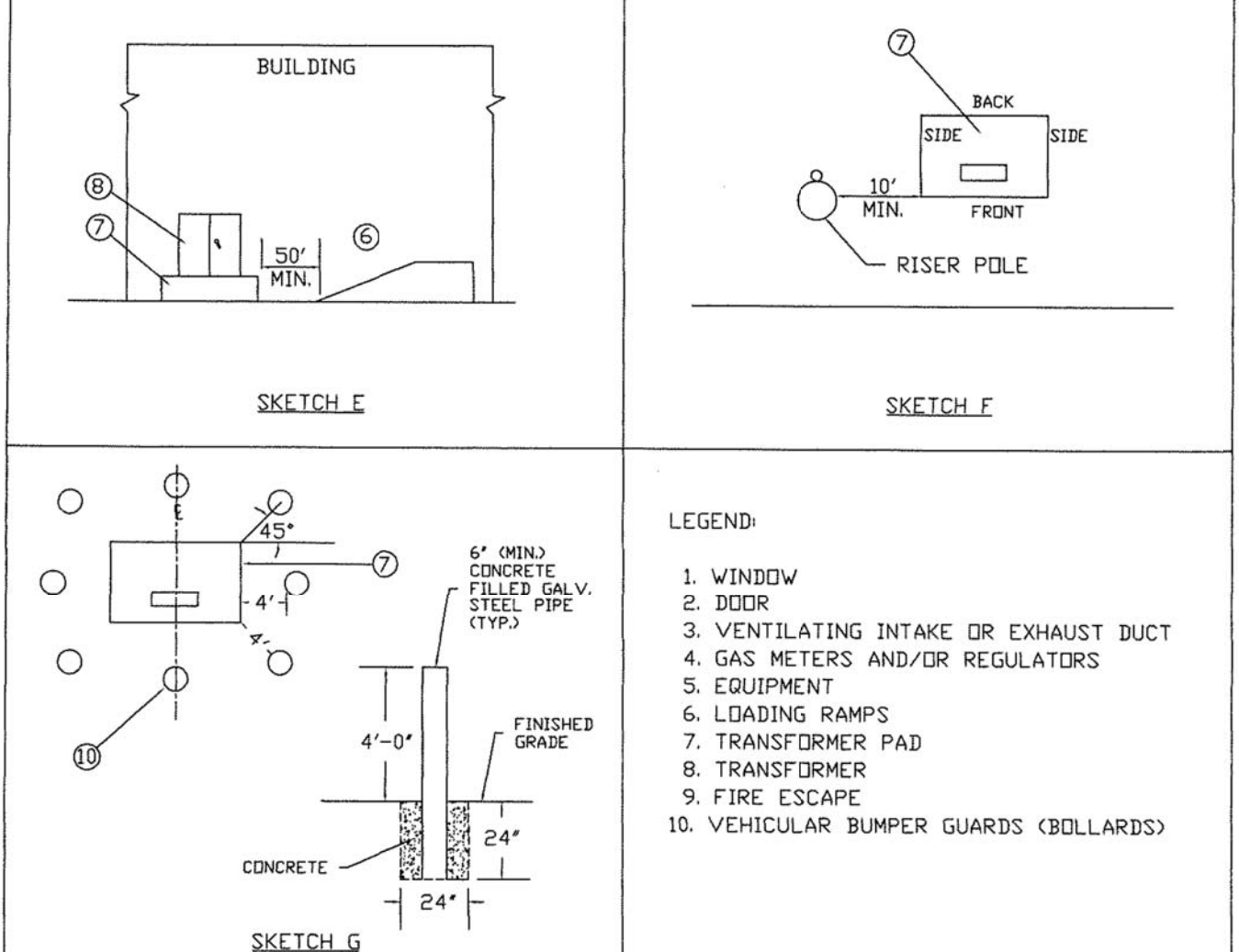
8. OAK ENGINEERING DEPARTMENT WILL DETERMINE TRANSFORMER LOCATION WHEN EGRESS IS FROM AUDITORIUM OR PUBLIC BUILDING. ANY PROPOSED INSTALLATION WHICH THE OAK ENGINEERING DEPARTMENT DEEMS CONTROVERSIAL SHALL BE REFERRED TO THE PROPER FIRE INSPECTION AGENCY FOR APPROVAL BEFORE CONSTRUCTION. SEE THE FOLLOWING SKETCHES.

- C. TRANSFORMER INSTALLATION IS NOT TO BE LOCATED IN FRONT OF BUILDING DOORS, VENTILATION DUCTS OR ACCESS OPENINGS OR BENEATH BUILDING OVERHANG OR OVERHEAD WALKWAY.



SKETCH C

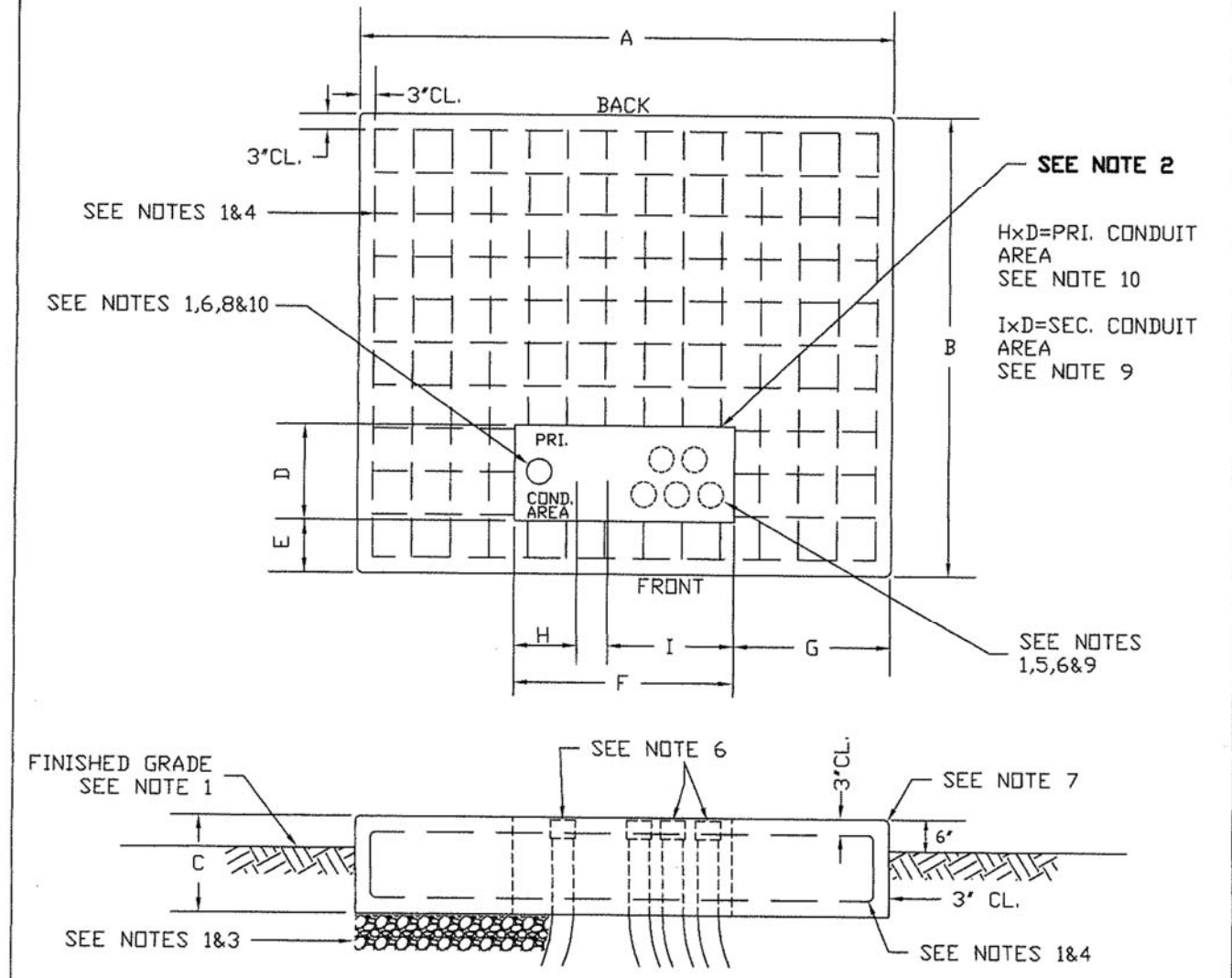
SKETCH D



NOTES:

1. SEE FIG 3 FOR ALL ADDITIONAL REQUIREMENTS, SPECS, AND CLEARANCE REQUIREMENTS.
2. DEFINING TO BE D X F DIMENSIONS (AFTER FORM IS REMOVED).
3. DIMENSIONS TO BE D X F DIMENSIONS (AFTER FORM IS REMOVED).
4. 6" X 6" X 6" W/6 MESH.
5. NUMBER OF SECONDARY CONDUITS TO CUSTOMERS EQUIPMENT TO SUIT LOAD AND SITE CONDITIONS.
6. CONDUITS NOT TO EXTEND ARE CONDUITS TO CUSTOMERS EQUIPMENT TO SUIT LOAD AND SITE CONDITIONS.
7. PAD SHALL BE LEVEL AND ALL EDGES CHAMFERED.
8. WHEN REQUIRED, TWO (2) PRIMARY CONDUITS IN THIS AREA.
9. SECONDARY CONDUITS NOT TO EXCEED 1" DIMENSION.
10. PRIMARY CONDUITS SHALL BE WITHIN 1" DIMENSION.
11. ALL PAD DIMENSIONS ARE THE FINISHED PRODUCT, AFTER ALL FORMS ARE REMOVED.
12. CONDUITS TO NOT BE LARGER THAN 1" DIMENSION. IF ANY PRIMARY OR SECONDARY WIRES, YOU MUST WAIT FOR THE TRANSFORMER TO BE DELIVERED.

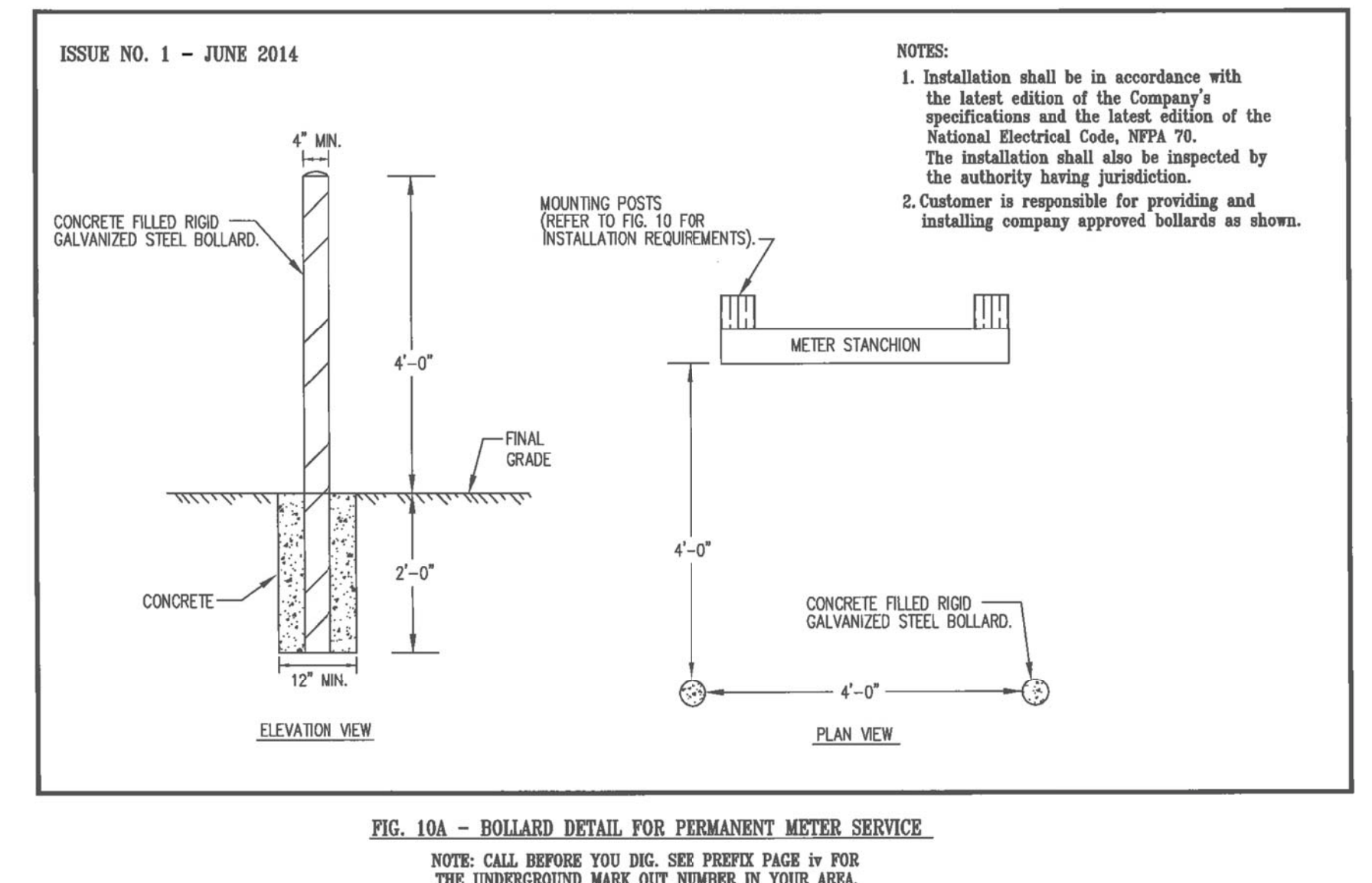
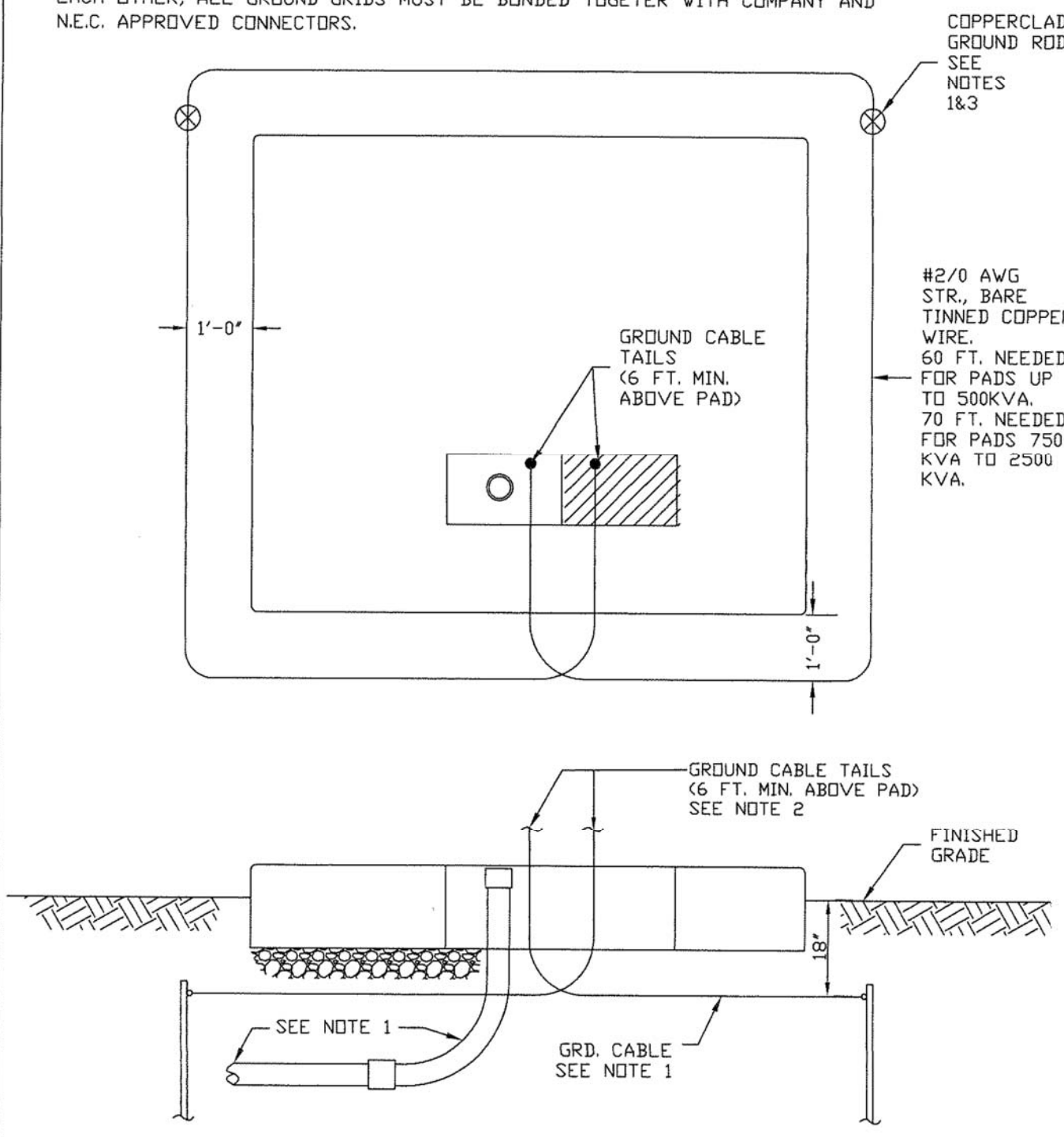
TRANSFORMER SIZE-KVA	A	B	C	D	E	F	G	H	I
75-500	8'-6"	7'-3"	12"	13"	16"	42"	24"	12"	18"
750-1000	9'-0"	7'-8"	12"	18"	10"	42"	30"	12"	24"
1500-2500	11'-0"	9'-2"	18"	18"	10"	42"	42"	12"	24"



NOTES:

1. SEE FIG. 2 AND SEC. VIII, PAGE 8 OF TEXT FOR ADDITIONAL REQUIREMENTS AND SPECIFICATIONS.
2. TO TRANSFORMER OR EQUIPMENT GROUND PADS.
3. COPPERCLAD GROUND ROD - 5/8" NOMINAL DIAMETER X 8' LONG.
4. WHEN TWO OR MORE PIECES OF EQUIPMENT ARE INSTALLED WITHIN 10 FT. OF EACH OTHER, ALL GROUND GRIDS MUST BE BONDED TOGETHER WITH COMPANY AND N.E.C. APPROVED CONNECTORS.

COPPERCLAD
GROUND ROD

[illegible]

