

ELECTRICAL SITE PLAN
1" = 80'-0"

GENERAL SITE NOTES

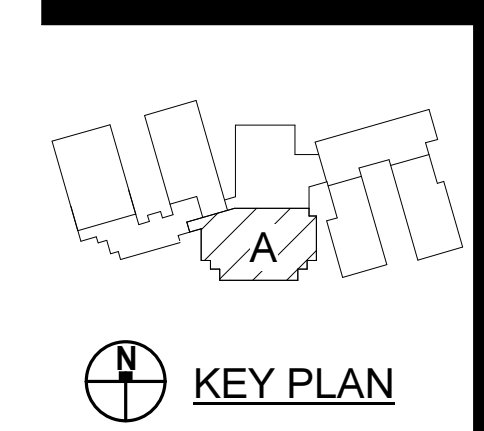
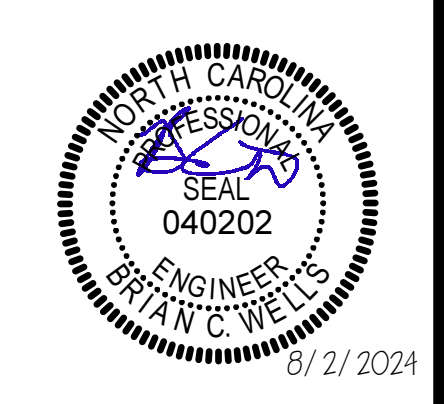
A. SITE LIGHTING SHALL BE PROVIDED AND CONTROLLED BY UTILITY.



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION



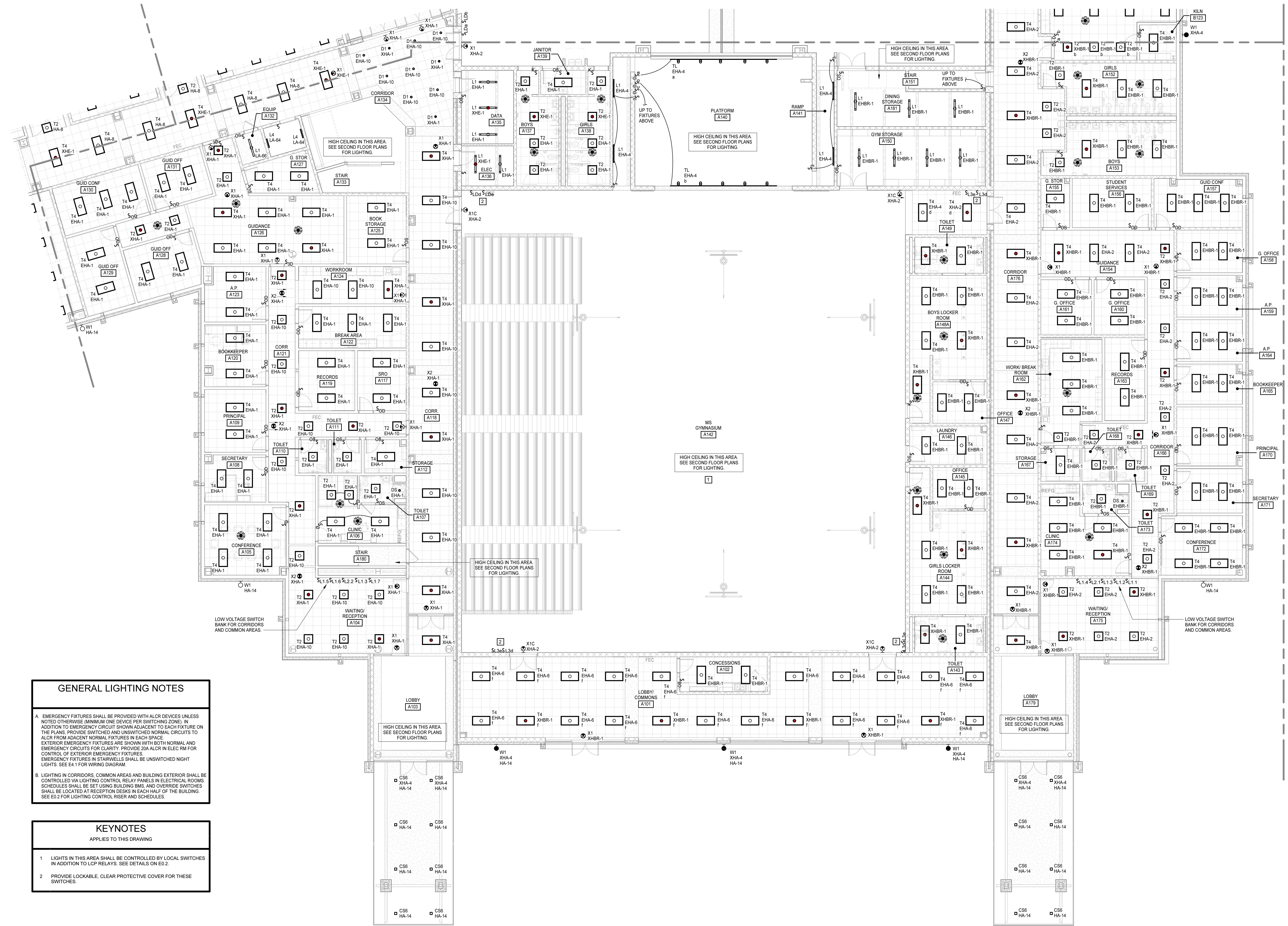
PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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FIRST FLOOR PLAN - LIGHTING - PART A

E2.1.1.1



GENERAL LIGHTING NOTES

A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALOR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALOR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALOR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS. AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

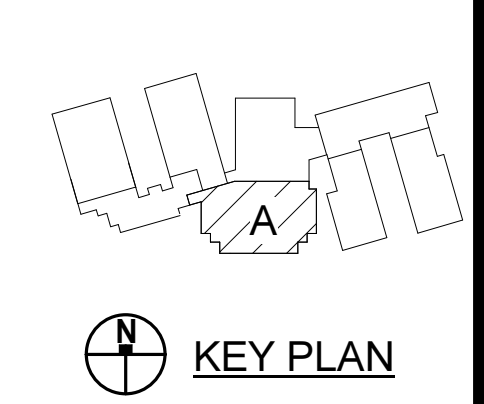
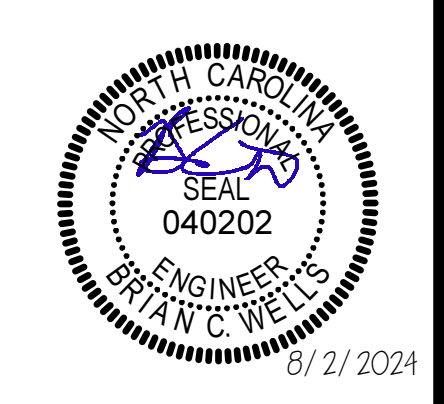
KEYNOTES
APPLIES TO THIS DRAWING

1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.

2. PROVIDE LOCKABLE, CLEAR PROTECTIVE COVER FOR THESE SWITCHES.

FIRST FLOOR PLAN - LIGHTING - PART A
1/8" = 1'-0"

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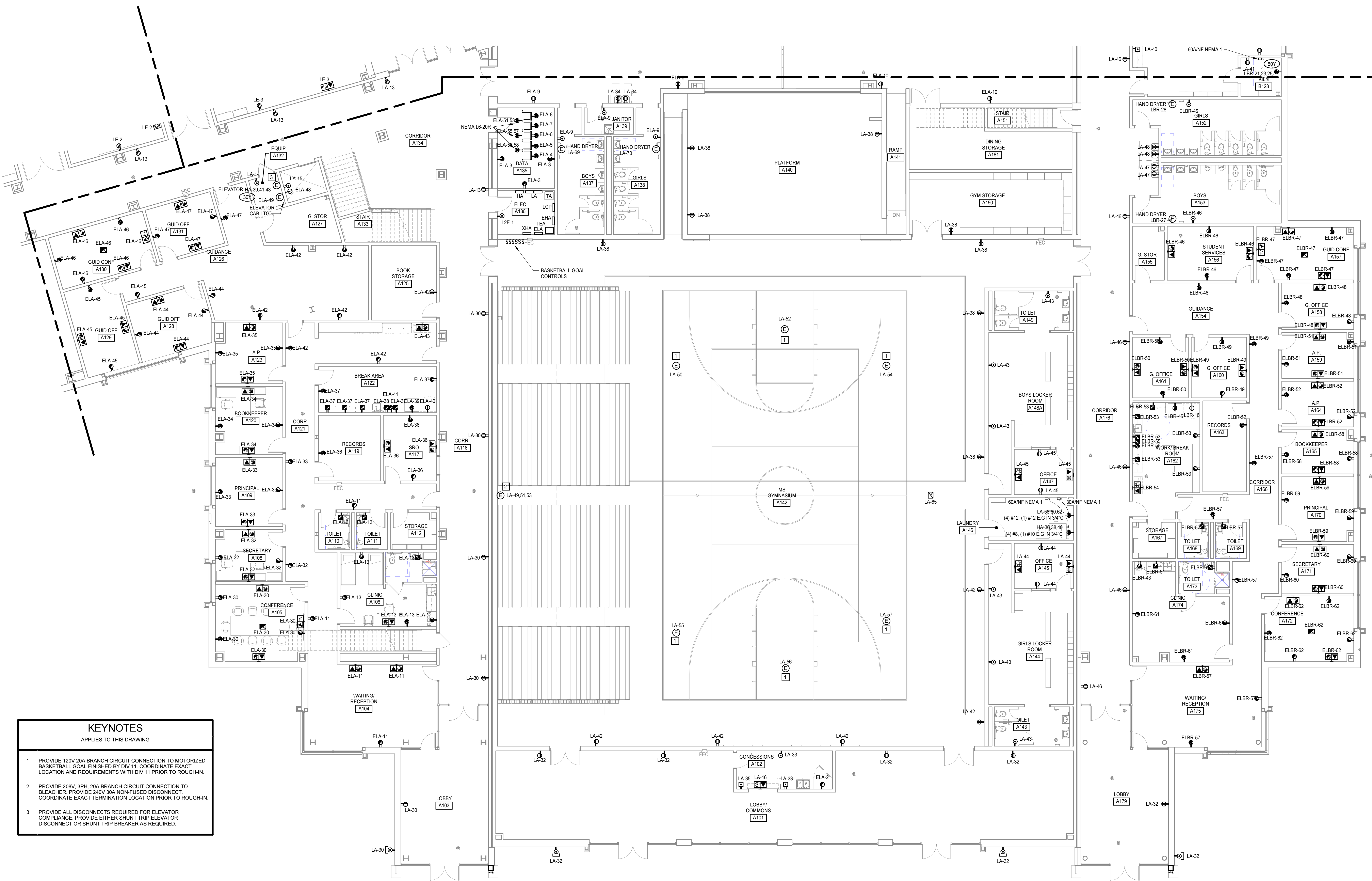
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FIRST FLOOR PLAN - POWER - PART A

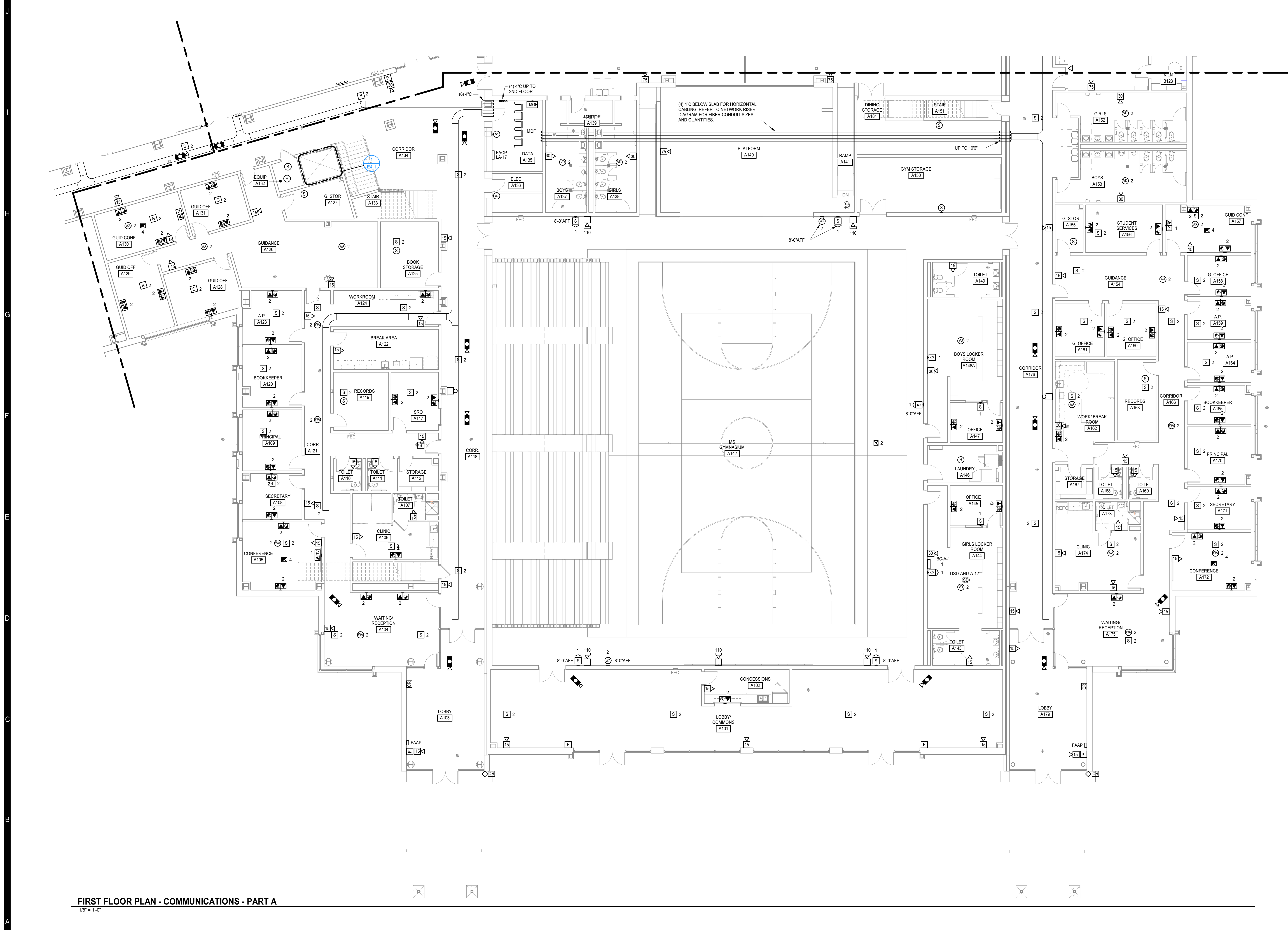
E2.1.1.2



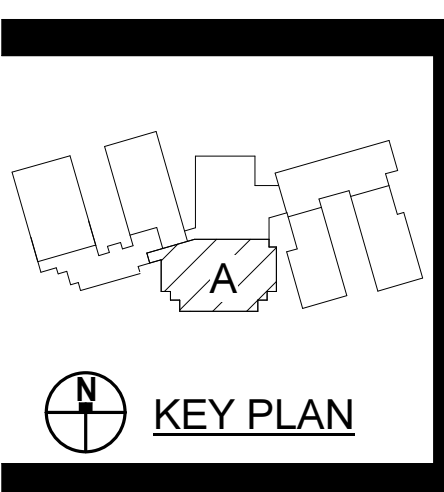
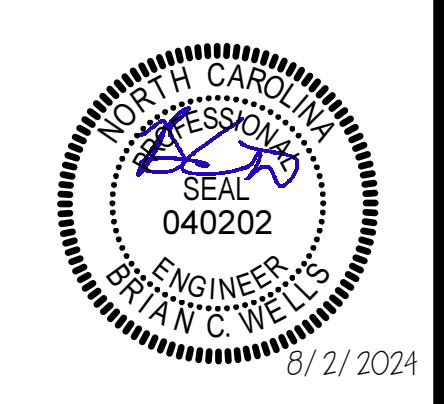
- KEYNOTES**
 APPLIES TO THIS DRAWING
- 1 PROVIDE 120V 20A BRANCH CIRCUIT CONNECTION TO MOTORIZED BASKETBALL GOAL FINISHED BY DIV 11. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH DIV 11 PRIOR TO ROUGH-IN.
 - 2 PROVIDE 208V 3PH 20A BRANCH CIRCUIT CONNECTION TO BLEACHER. PROVIDE 240V 30A NON-FUSED DISCONNECT. COORDINATE EXACT TERMINATION LOCATION PRIOR TO ROUGH-IN.
 - 3 PROVIDE ALL DISCONNECTS REQUIRED FOR ELEVATOR COMPLIANCE. PROVIDE EITHER SHUNT TRIP ELEVATOR DISCONNECT OR SHUNT TRIP BREAKER AS REQUIRED.

FIRST FLOOR PLAN - POWER - PART A
 1/8" = 1'-0"

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FIRST FLOOR PLAN - COMMUNICATIONS - PART A
1/8" = 1'-0"



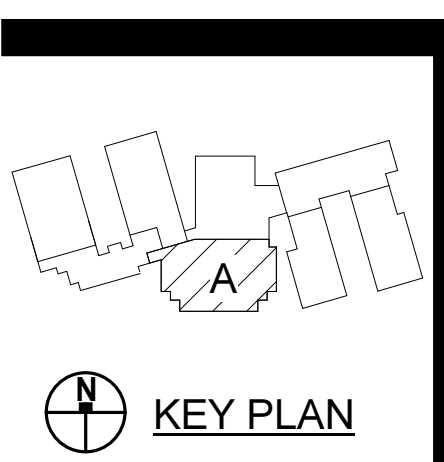
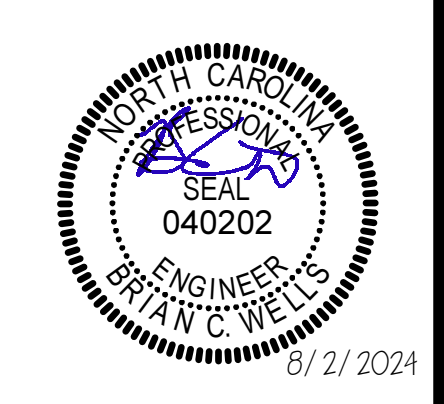
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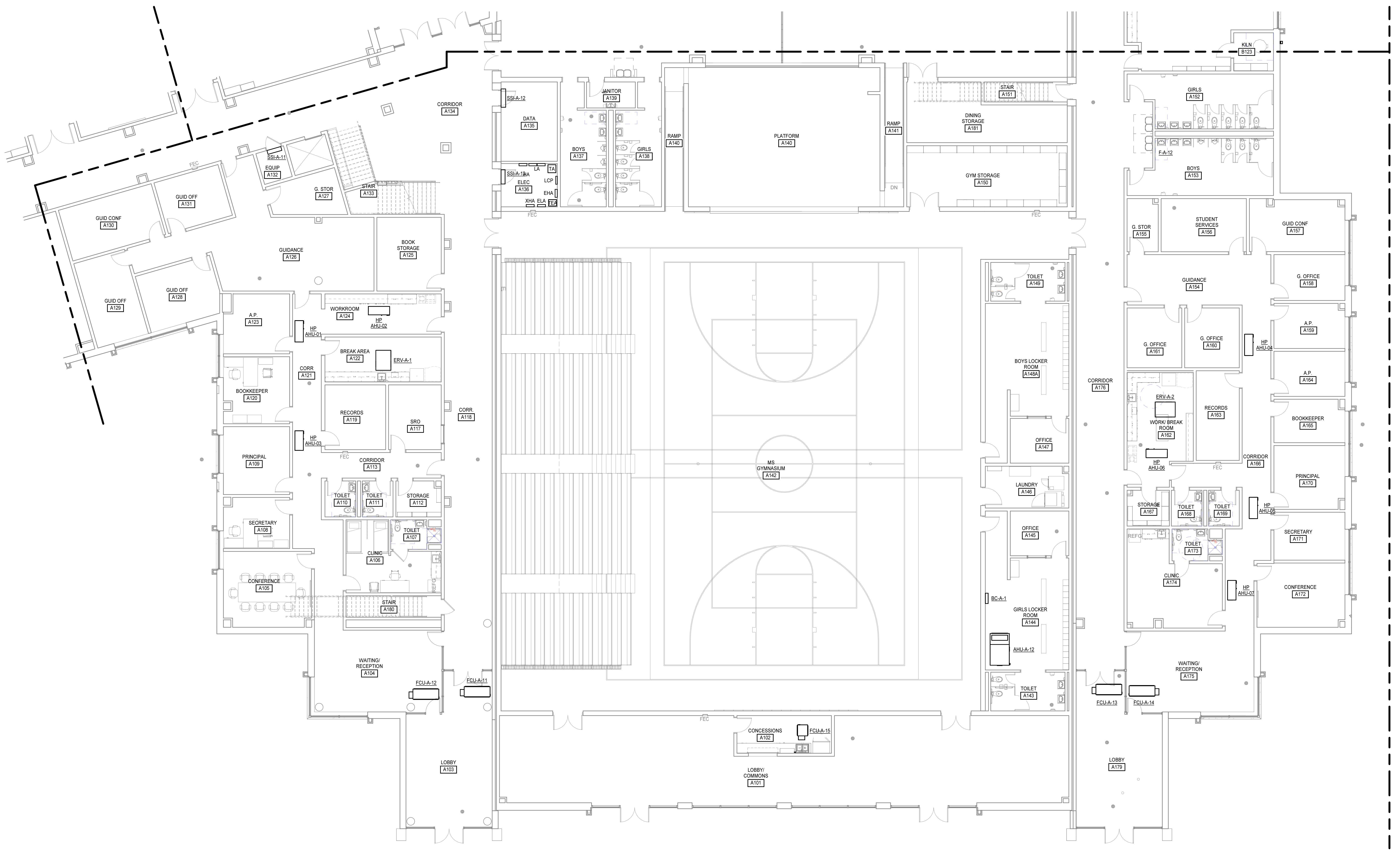
FIRST FLOOR PLAN - COMMUNICATIONS - PART A

E2.1.1.3



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TAG	VOLTAGE	#	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHUA-12	480 V	3	4.6 KVA	HA	13.15.17	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
BC-A-1	120 V	1	0.5 KVA	ELA	14	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
ERV-A-1	480 V	3	1.8 KVA	EHA	14.16.18	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
ERV-A-2	480 V	3	1.8 KVA	EHA	13.15.17	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCUA-11	277 V	1	0.8 KVA	HA	19	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCUA-12	277 V	1	0.8 KVA	HA	21	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCUA-13	277 V	1	0.8 KVA	HBR	13	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCUA-14	277 V	1	0.8 KVA	HBR	14	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCUA-15	277 V	1	0.4 KVA	HA	23	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
HP AHU-01	208 V	2	1.9 KVA	ELA	25.27	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
HP AHU-02	208 V	2	1.9 KVA	ELA	28.28	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
HP AHU-03	208 V	2	1.0 KVA	ELA	29.31	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
HP AHU-04	208 V	2	1.0 KVA	ELBR	31.33	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
HP AHU-05	208 V	2	1.0 KVA	ELBR	34.36	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
HP AHU-06	208 V	2	1.9 KVA	ELBR	35.37	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
HP AHU-07	208 V	2	1.0 KVA	ELBR	38.40	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
SSIA-11	208 V	2	0.1 KVA	ELA	15.17	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT
SSIA-12	208 V	2	0.1 KVA	ELA	16.18	(2) #10, (1) #10 E.G. IN 3/4"	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT
SSIA-13	208 V	2	0.1 KVA	ELA	19.21	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT

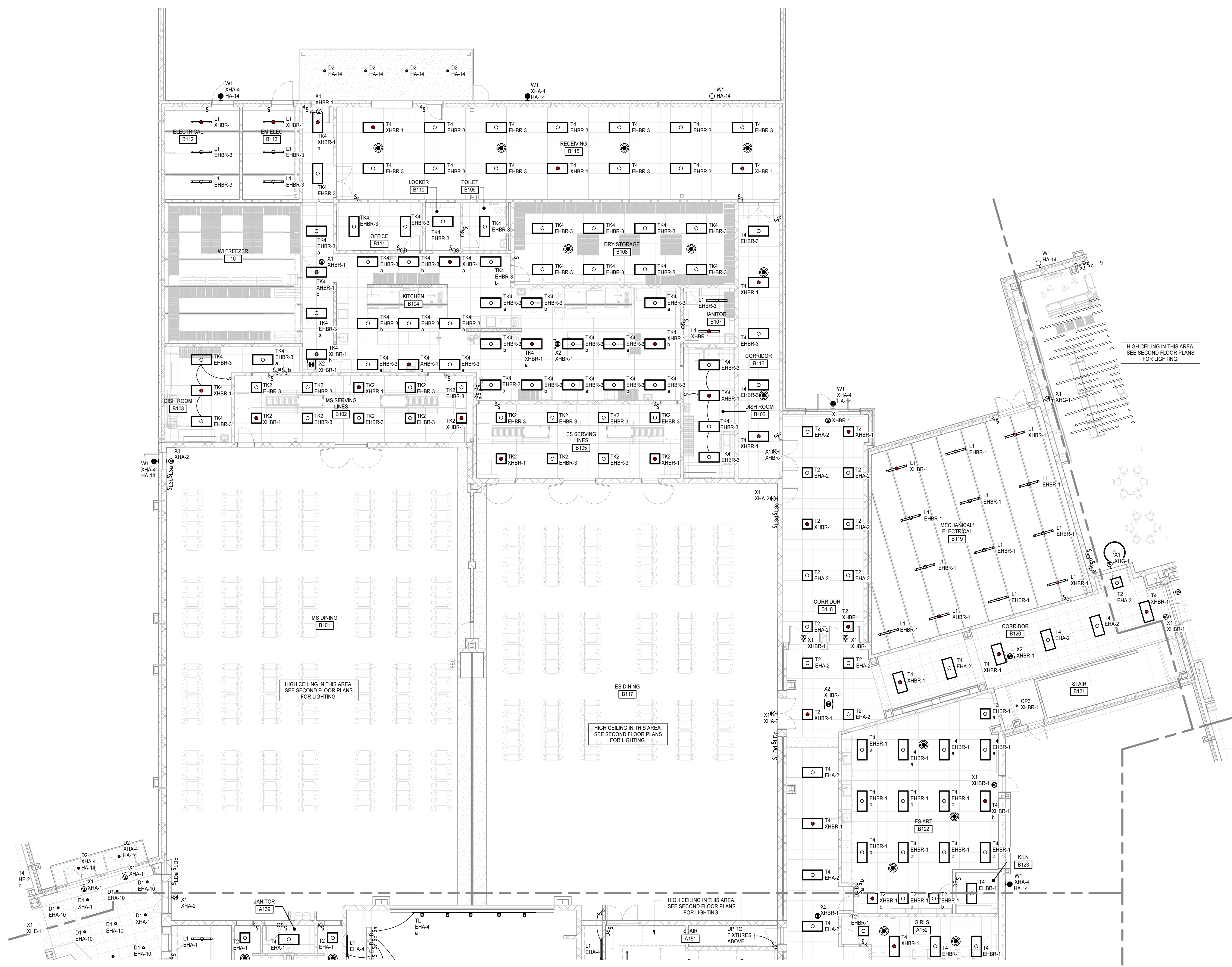


FIRST FLOOR PLAN - MECHANICAL POWER - PART A
 1/8" = 1'-0"

GENERAL LIGHTING NOTES

A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.



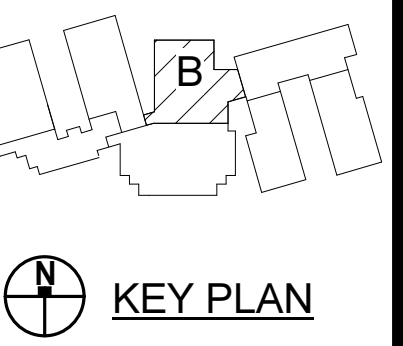
HIGH CEILING IN THIS AREA
SEE SECOND FLOOR PLANS
FOR LIGHTING.

HIGH CEILING IN THIS AREA
SEE SECOND FLOOR PLANS
FOR LIGHTING.

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SEE SECOND FLOOR PLANS
FOR LIGHTING.

HIGH CEILING IN THIS AREA
SEE SECOND FLOOR PLANS
FOR LIGHTING.

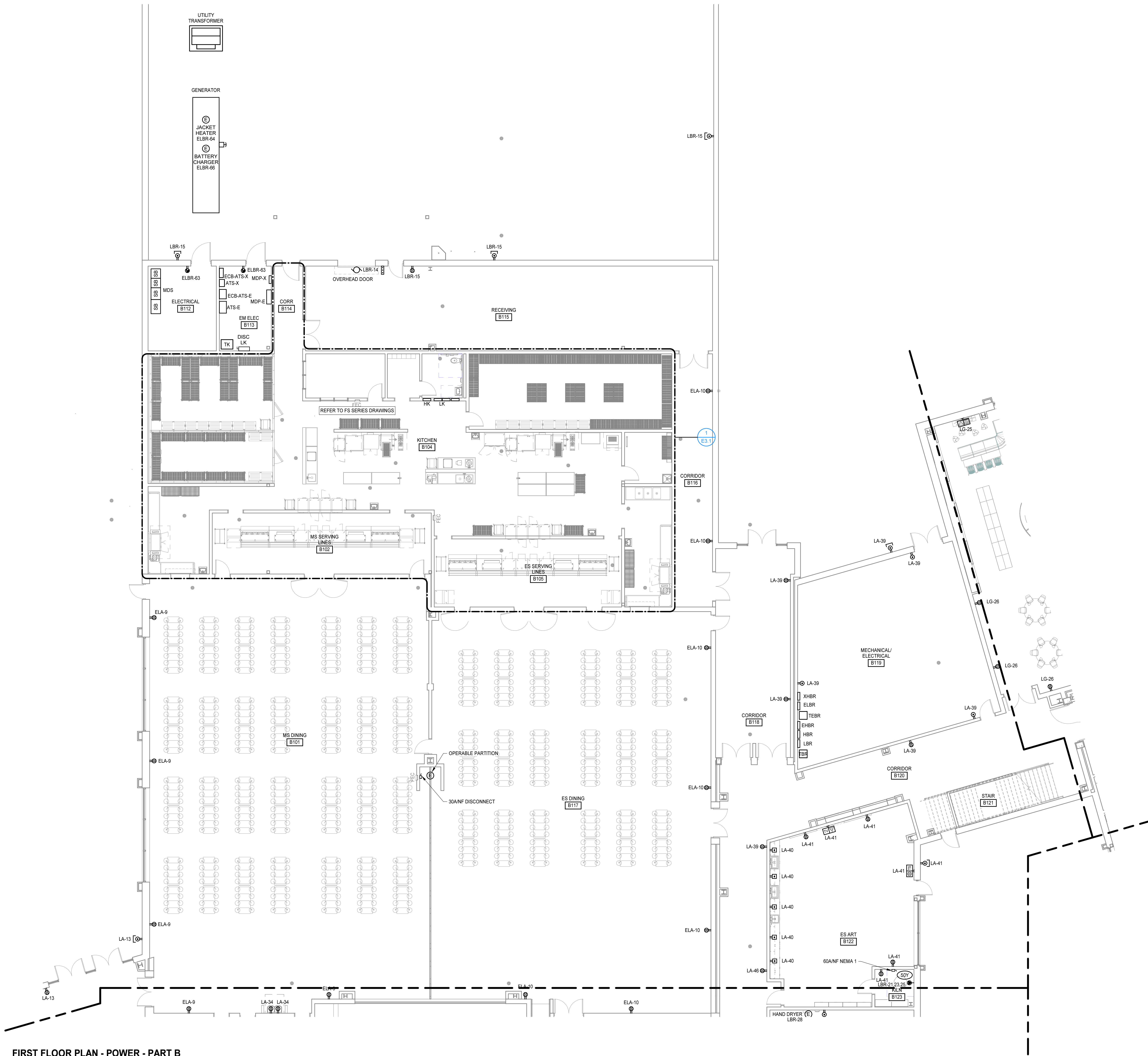
FIRST FLOOR PLAN - LIGHTING - PART B
1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
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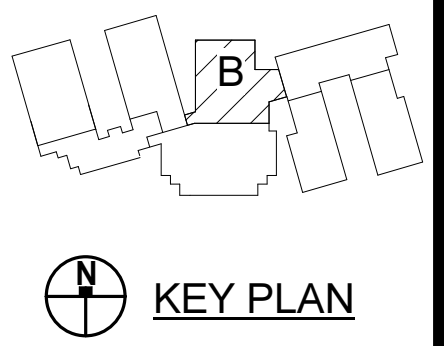
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FIRST FLOOR PLAN -
LIGHTING - PART B



FIRST FLOOR PLAN - POWER - PART B

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

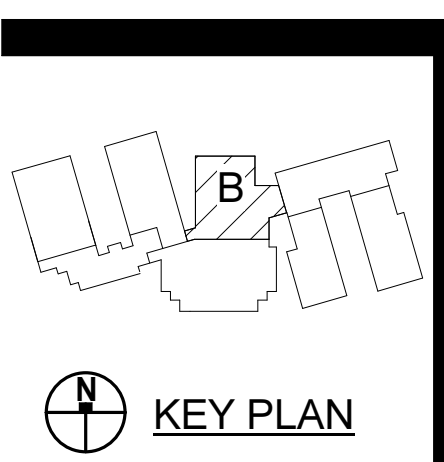
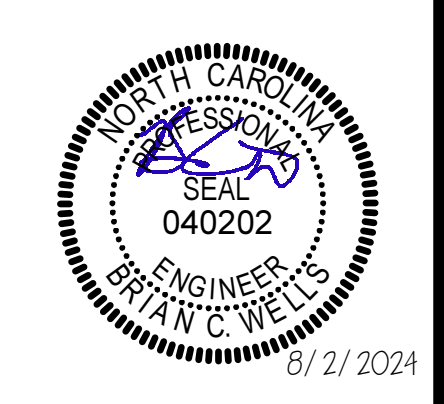
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FIRST FLOOR PLAN - POWER - PART B



FIRST FLOOR PLAN - COMMUNICATIONS - PART B
 1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
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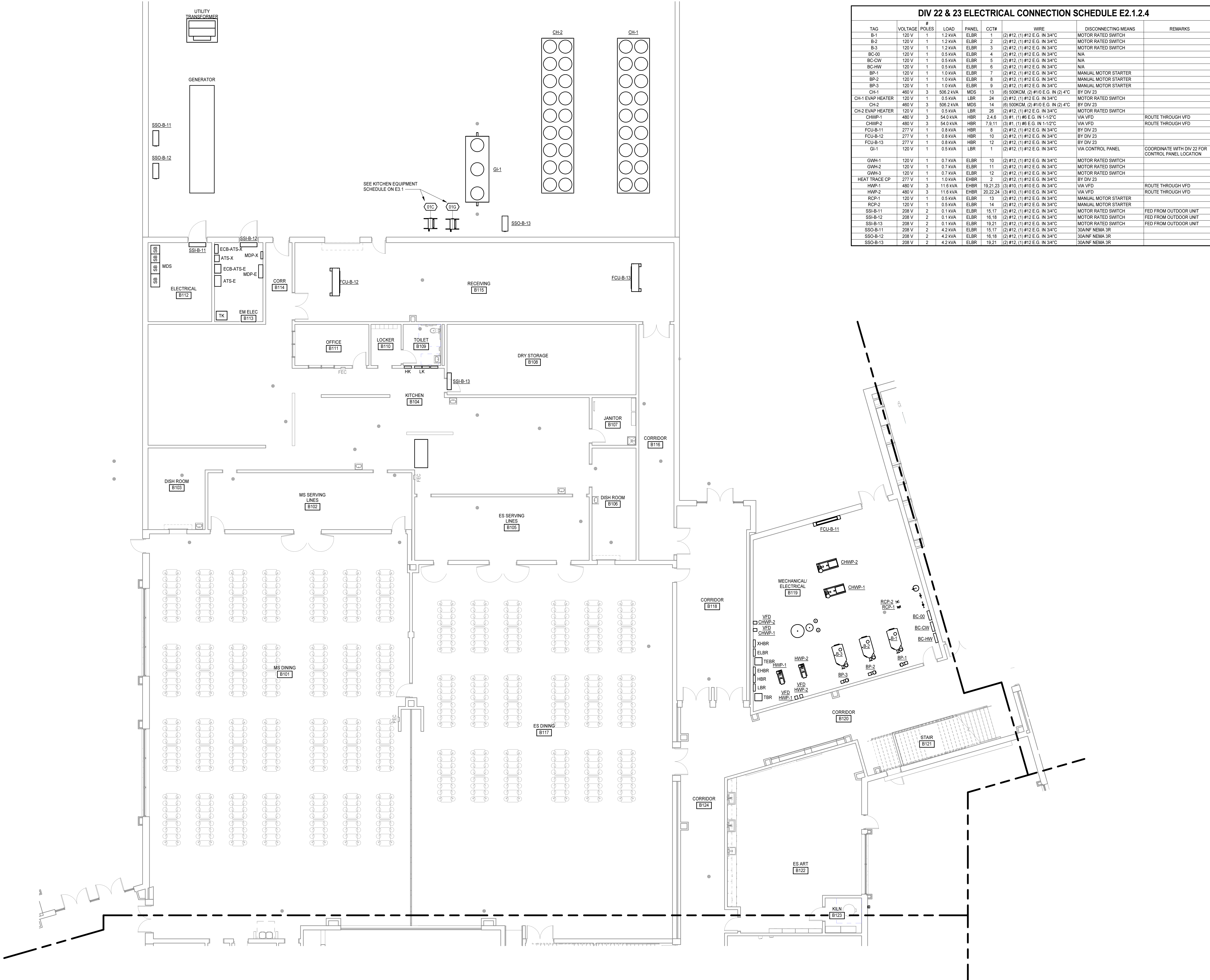
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FIRST FLOOR PLAN - COMMUNICATIONS - PART B

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FIRST FLOOR PLAN - MECHANICAL POWER - PART B

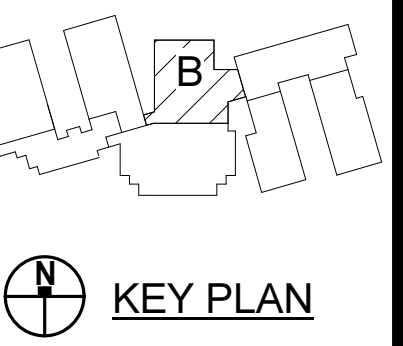
1/8" = 1'-0"



DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.1.2.4

TAG	VOLTAGE	POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
B-1	120 V	1	1.2 kVA	ELBR	1	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
B-2	120 V	1	1.2 kVA	ELBR	2	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
B-3	120 V	1	1.2 kVA	ELBR	3	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
BC-00	120 V	1	0.5 kVA	ELBR	4	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-CW	120 V	1	0.5 kVA	ELBR	5	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-HW	120 V	1	0.5 kVA	ELBR	6	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BP-1	120 V	1	1.0 kVA	ELBR	7	(2) #12, (1) #12 E.G. IN 3/4"	MANUAL MOTOR STARTER	
BP-2	120 V	1	1.0 kVA	ELBR	8	(2) #12, (1) #12 E.G. IN 3/4"	MANUAL MOTOR STARTER	
BP-3	120 V	1	1.0 kVA	ELBR	9	(2) #12, (1) #12 E.G. IN 3/4"	MANUAL MOTOR STARTER	
CH-1	480 V	3	506.2 kVA	MDS	13	(6) 500KCM, (2) #10 E.G. IN (2) 4"	BY DIV 23	
CH-1 EVAP HEATER	120 V	1	0.5 kVA	LBR	24	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
CH-2	480 V	3	506.2 kVA	MDS	14	(6) 500KCM, (2) #10 E.G. IN (2) 4"	BY DIV 23	
CH-2 EVAP HEATER	120 V	1	0.5 kVA	LBR	26	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
CHWP-1	480 V	3	54.0 kVA	HBR	2.4.6	(3) #1, (1) #6 E.G. IN 1-1/2"	VIA VFD	ROUTE THROUGH VFD
CHWP-2	480 V	3	54.0 kVA	HBR	7.8.11	(3) #1, (1) #6 E.G. IN 1-1/2"	VIA VFD	ROUTE THROUGH VFD
FCU-B-11	277 V	1	0.8 kVA	HBR	8	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-B-12	277 V	1	0.8 kVA	HBR	10	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-B-13	277 V	1	0.8 kVA	HBR	12	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
GI-1	120 V	1	0.5 kVA	LBR	1	(2) #12, (1) #12 E.G. IN 3/4"	VIA CONTROL PANEL	COORDINATE WITH DIV 22 FOR CONTROL PANEL LOCATION
GWH-1	120 V	1	0.7 kVA	ELBR	10	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
GWH-2	120 V	1	0.7 kVA	ELBR	11	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
GWH-3	120 V	1	0.7 kVA	ELBR	12	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	
HEAT TRACE CP	277 V	1	1.0 kVA	EHR	2	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
HWP-1	480 V	3	11.6 kVA	EHR	19.21.23	(3) #10, (1) #10 E.G. IN 3/4"	VIA VFD	ROUTE THROUGH VFD
HWP-2	480 V	3	11.6 kVA	EHR	20.22.24	(3) #10, (1) #10 E.G. IN 3/4"	VIA VFD	ROUTE THROUGH VFD
RCP-1	120 V	1	0.5 kVA	ELBR	13	(2) #12, (1) #12 E.G. IN 3/4"	MANUAL MOTOR STARTER	
RCP-2	120 V	1	0.5 kVA	ELBR	14	(2) #12, (1) #12 E.G. IN 3/4"	MANUAL MOTOR STARTER	
SSI-B-11	208 V	2	0.1 kVA	ELBR	15.17	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT
SSI-B-12	208 V	2	0.1 kVA	ELBR	16.16	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT
SSI-B-13	208 V	2	0.1 kVA	ELBR	19.21	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT
SSO-B-11	208 V	2	4.2 kVA	ELBR	15.17	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-B-12	208 V	2	4.2 kVA	ELBR	16.16	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-B-13	208 V	2	4.2 kVA	ELBR	19.21	(2) #12, (1) #12 E.G. IN 3/4"	30ANF NEMA 3R	

MOSELEY ARCHITECTS
 911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
 PHONE (919) 840-0091
 MOSELEYARCHITECTS.COM

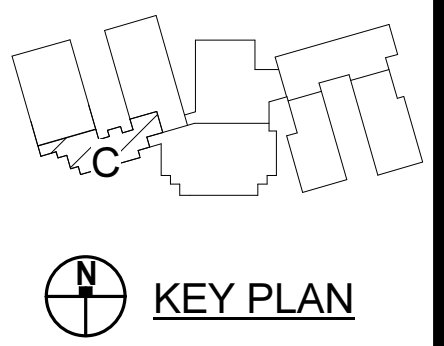


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FIRST FLOOR PLAN - MECHANICAL POWER - PART B

E2.1.2.4



PENDER COUNTY SCHOOLS K-8 SCHOOL
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FIRST FLOOR PLAN - LIGHTING - PART C

E2.1.3.1

GENERAL LIGHTING NOTES

- A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.
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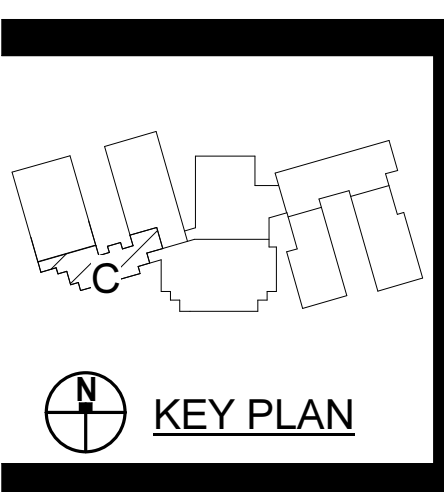
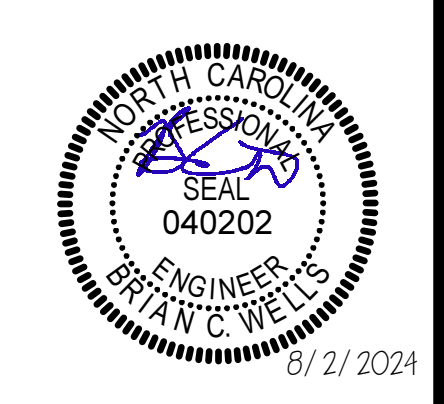


FIRST FLOOR PLAN - LIGHTING - PART C
 1/8" = 1'-0"

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FIRST FLOOR PLAN - POWER - PART C

1/8" = 1'-0"



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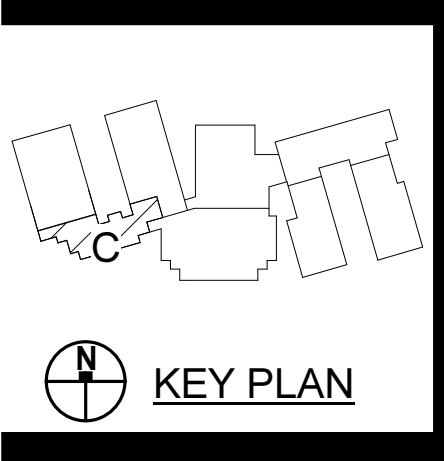
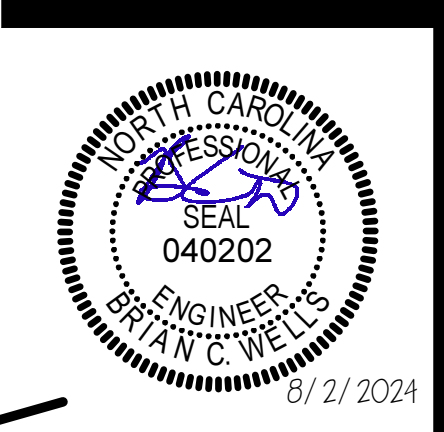
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FIRST FLOOR PLAN - POWER - PART C

E2.1.3.2

FIRST FLOOR PLAN - COMMUNICATIONS - PART C

1/8" = 1'-0"



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FIRST FLOOR PLAN - COMMUNICATION - PART C

E2.1.3.3

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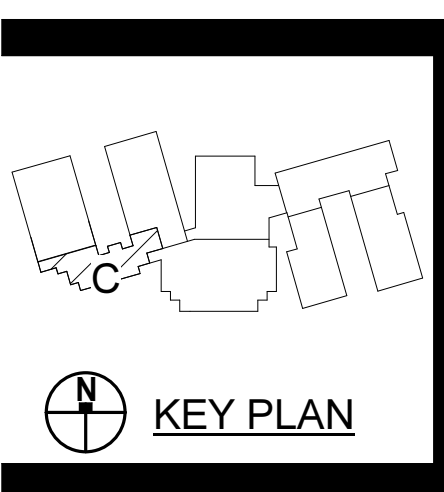
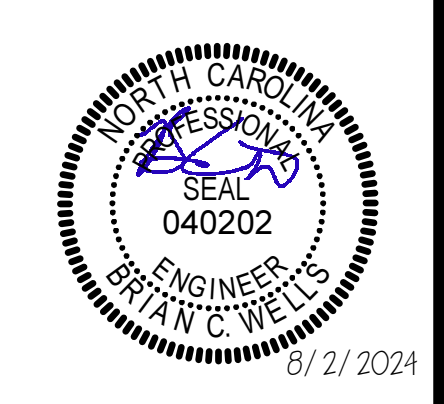
FIRST FLOOR PLAN - MECHANICAL POWER - PART C

1/8" = 1'-0"

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.1.3.4								
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-C-11	480 V	3	9.3 KVA	HA	25,27,29	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
BC-C-1	120 V	1	0.5 KVA	ELBR	20	(2) #12, (1) #12 E.G. IN 3/4" C	N/A	
FCU-C-11	277 V	1	0.2 KVA	HA	28	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	



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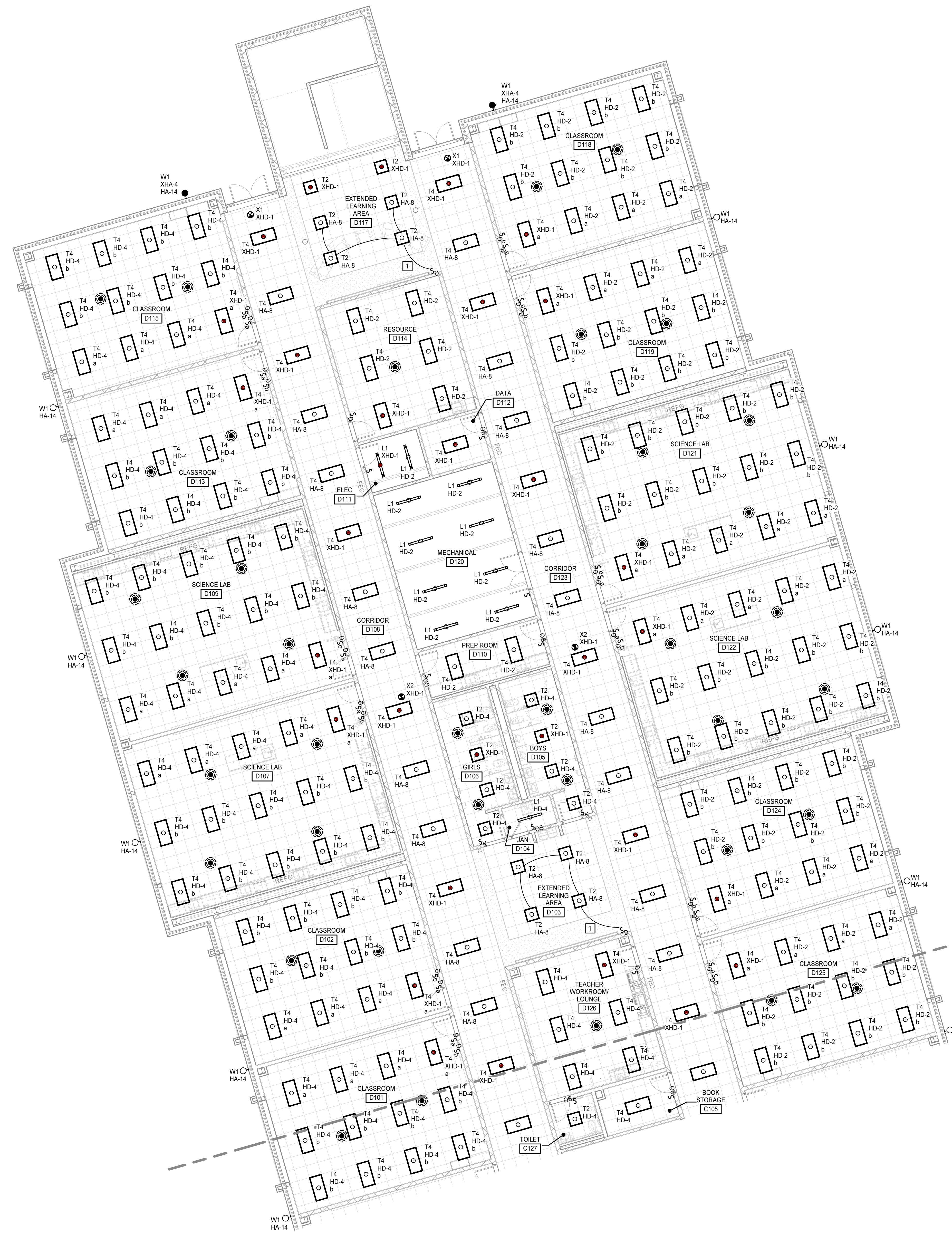
PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - MECHANICAL POWER - PART C

E2.1.3.4

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FIRST FLOOR PLAN - LIGHTING - PART D
 1/8" = 1'-0"

GENERAL LIGHTING NOTES

A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS AND OVERRIDE SWITCHES. SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

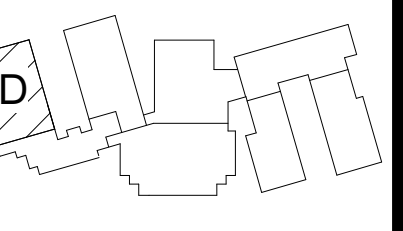
KEYNOTES

APPLIES TO THIS DRAWING

1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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DATE	DESCRIPTION

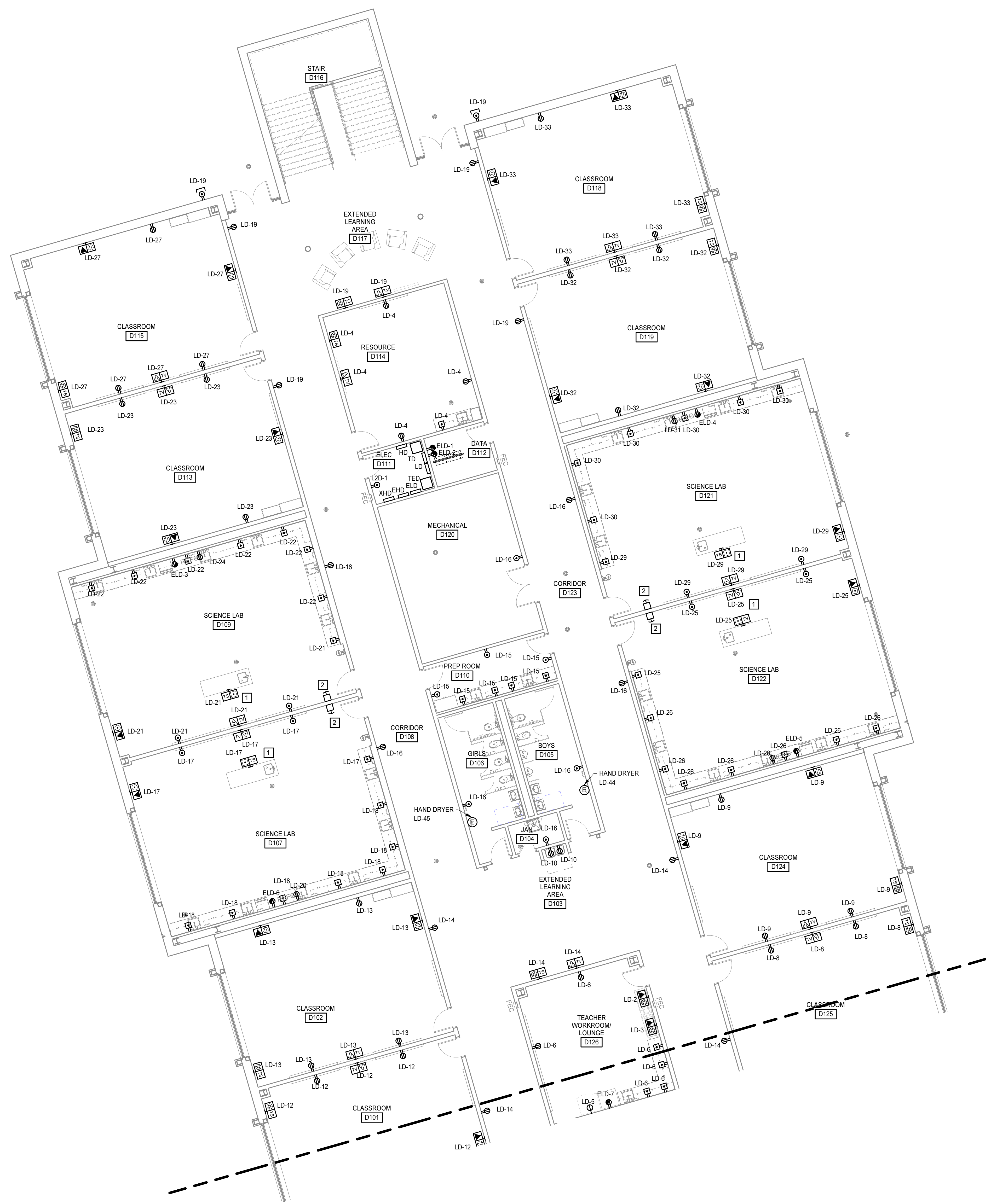
FIRST FLOOR PLAN - LIGHTING - PART D

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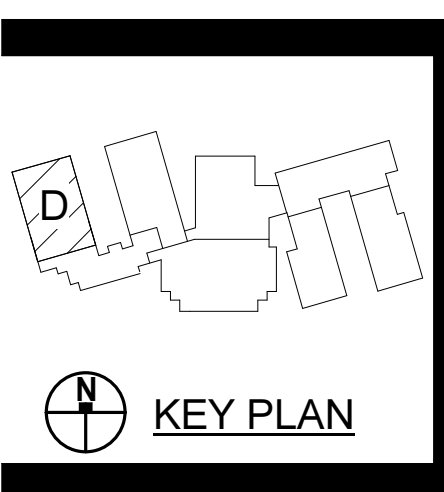
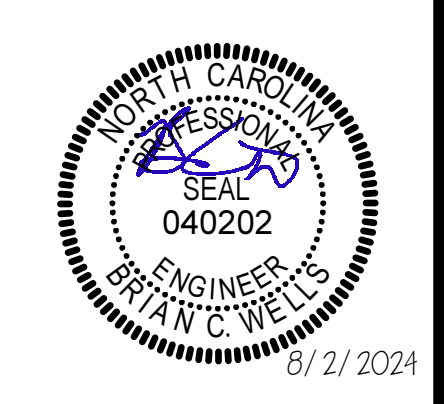
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KEYNOTES	
APPLIES TO THIS DRAWING	
1	COORDINATE RECEPTACLE AND DATA MOUNTING WITH CASEWORK
2	PROVIDE 6 POLE CONTACTOR WITH COIL CONNECTED TO E.P.O. BUTTON. ROUTE ALL RECEPTACLE CIRCUITS THROUGH CONTACTOR TO DE ENERGIZE CIRCUITS UPON E.P.O. ACTIVATION. LOCATE CONTACTOR ABOVE ACCESSIBLE CEILING.

FIRST FLOOR PLAN - POWER - PART D
1/8" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

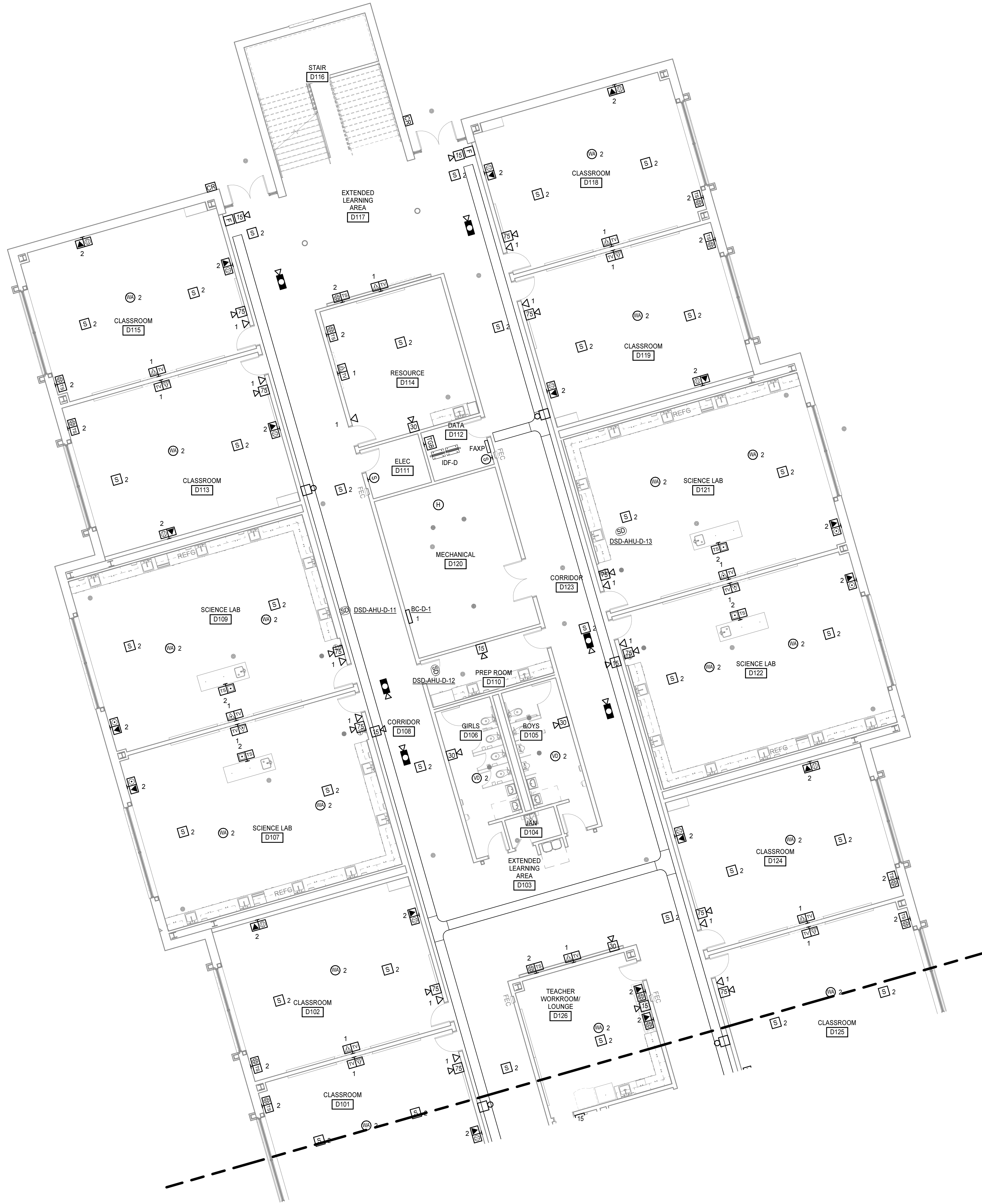
PROJECT NO:	831310
DATE:	AUGUST 2, 2024
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DATE	DESCRIPTION

FIRST FLOOR PLAN - POWER - PART D

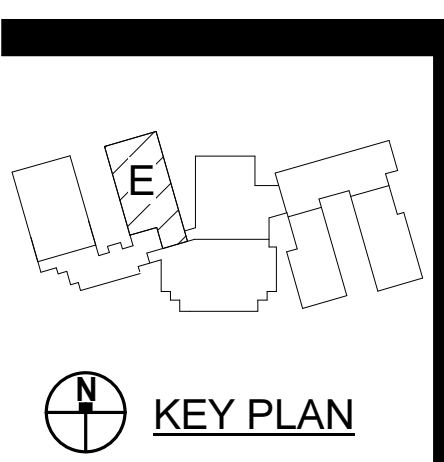
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FIRST FLOOR PLAN - COMMUNICATIONS - PART D
 1/8" = 1'-0"



Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

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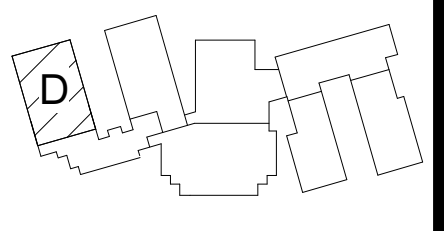
DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.1.4.4								
TAG	VOLTAGE	POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-D-11	480 V	3	11.7 KVA	HD	7,9,11	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
AHU-D-12	480 V	3	7.0 KVA	HD	8,10,12	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
AHU-D-13	480 V	3	11.7 KVA	HD	13,15,17	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
BC-D-1	120 V	1	0.5 KVA	ELD	8	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
FCU-D-11	277 V	1	0.2 KVA	HD	14	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
SSI-D-11	208 V	2	0.1 KVA	ELD	9,11	(2) #12, (1) #12 E.G. IN 3/4"	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT



FIRST FLOOR PLAN - MECHANICAL POWER - PART D
 1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

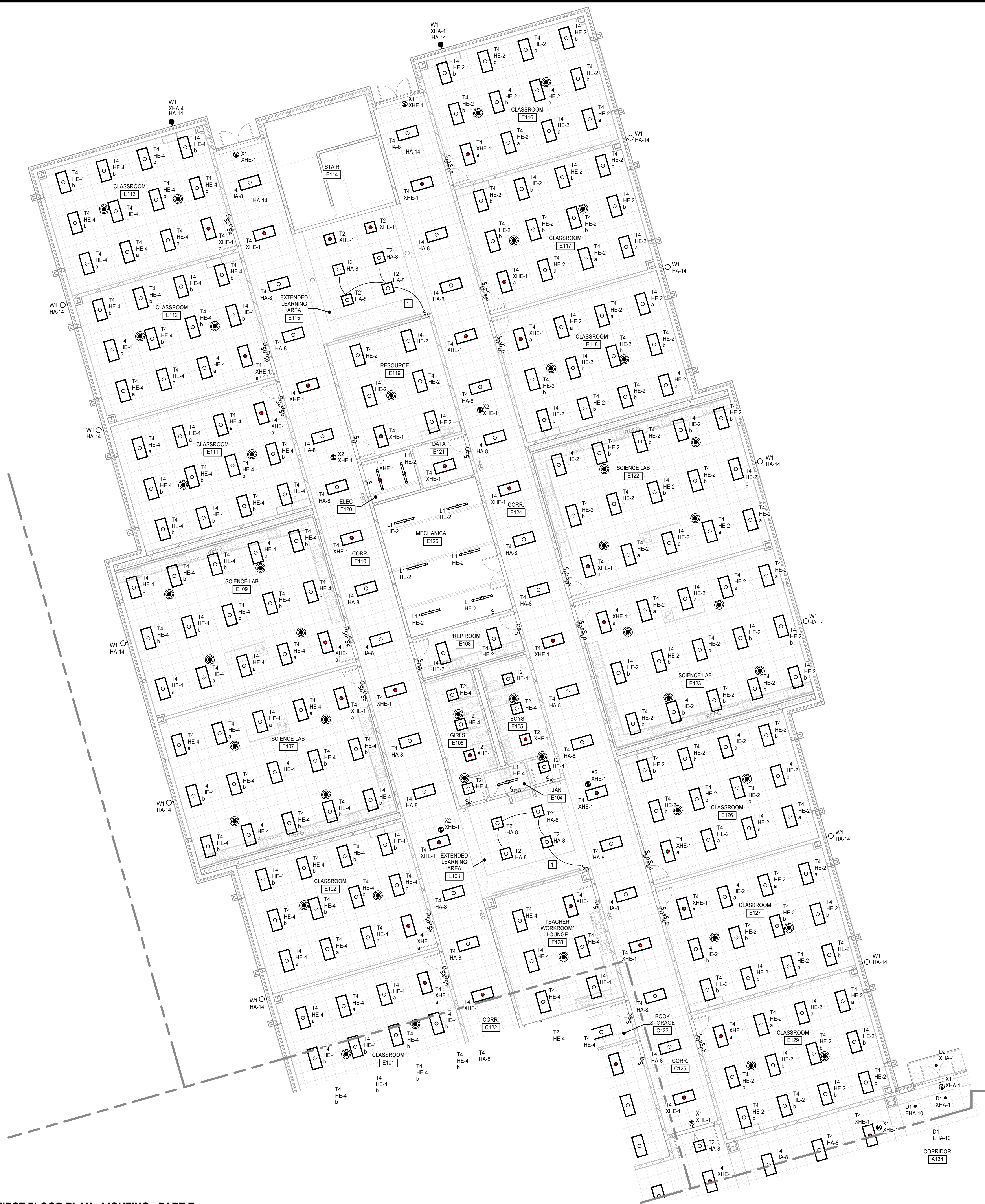
PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - MECHANICAL POWER - PART D

E2.1.4.4

FIRST FLOOR PLAN - LIGHTING - PART E

1/8" = 1'-0"



GENERAL LIGHTING NOTES

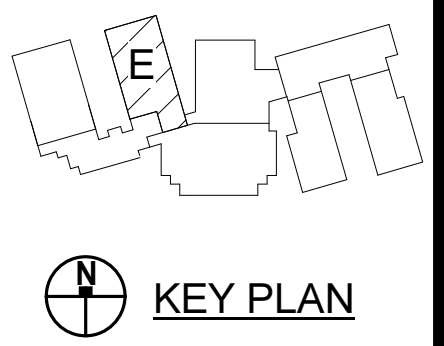
A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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FIRST FLOOR PLAN - LIGHTING - PART E

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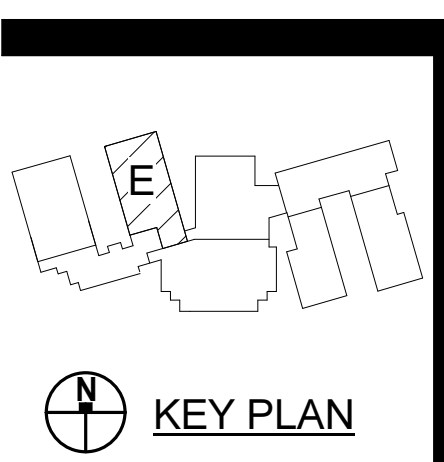
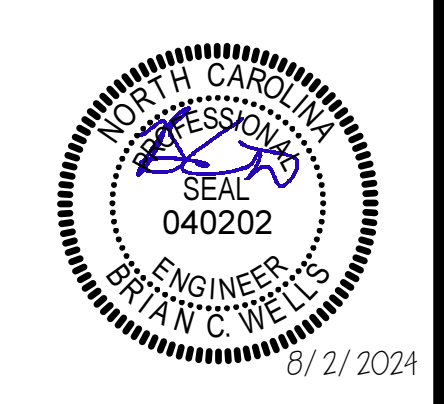
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FIRST FLOOR PLAN - POWER - PART E
 1/8" = 1'-0"

KEYNOTES	
APPLIES TO THIS DRAWING	
1	COORDINATE RECEPTACLE AND DATA MOUNTING WITH CASEWORK
2	PROVIDE 8 POLE CONTACTOR WITH COIL CONNECTED TO E.P.O. BUTTON. ROUTE ALL RECEPTACLE CIRCUITS THROUGH CONTACTOR TO DE ENERGIZE CIRCUITS UPON E.P.O. ACTIVATION. LOCATE CONTACTOR ABOVE ACCESSIBLE CEILING.

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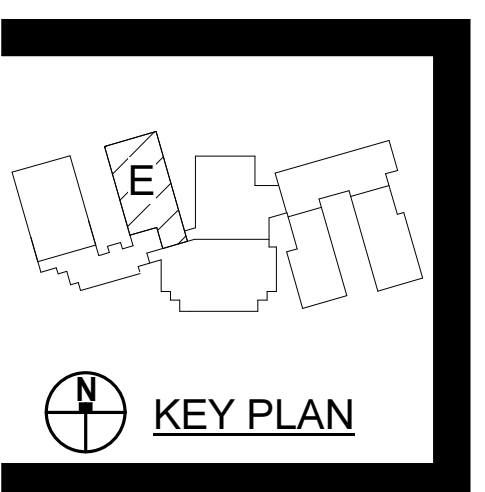
PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO.	REVISIONS
831310	
DATE:	DATE
AUGUST 2, 2024	
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FIRST FLOOR PLAN - POWER - PART E
E2.1.5.2

FIRST FLOOR PLAN - COMMUNICATIONS - PART E

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

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FIRST FLOOR PLAN -
 COMMUNICATIONS -
 PART E

E2.1.5.3

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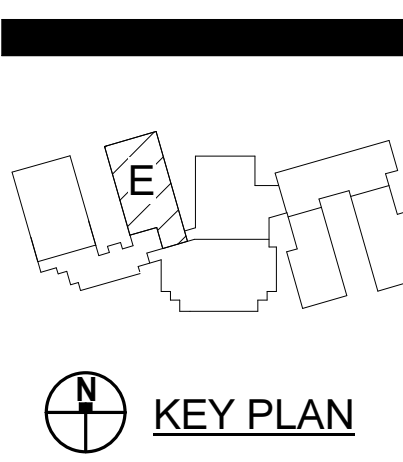


DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.1.5.4									
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AHU-E-11	480 V	3	11.7 KVA	HE	7.9.11	(4) #10, (1) #10 E.G. IN 3/4" C	BY DIV 23		
AHU-E-12	480 V	3	7.0 KVA	HE	8.10.12	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
AHU-E-13	480 V	3	11.7 KVA	HE	13.15.17	(4) #10, (1) #10 E.G. IN 3/4" C	BY DIV 23		
BC-E-1	120 V	1	0.5 KVA	ELE	4	(2) #12, (1) #12 E.G. IN 3/4" C	N/A		
FCU-E-11	277 V	1	0.2 KVA	HE	14	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
SSI-E-11	208 V	2	0.1 KVA	ELE	5.7	(2) #12, (1) #12 E.G. IN 3/4" C	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT	

FIRST FLOOR PLAN - MECHANICAL POWER - PART E

1/8" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

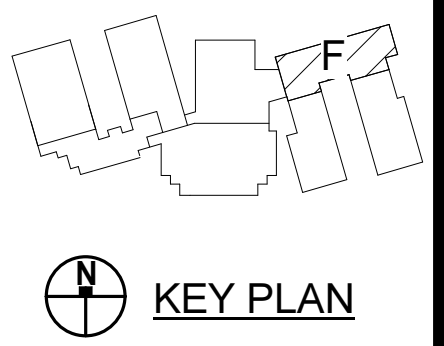
Pender County Schools
Highway 210, Hampstead, NC 28443

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FIRST FLOOR PLAN - MECHANICAL POWER - PART E

E2.1.5.4

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PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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DATE:	DESCRIPTION:

FIRST FLOOR PLAN - LIGHTING - PART F

E2.1.6.1

GENERAL LIGHTING NOTES

A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

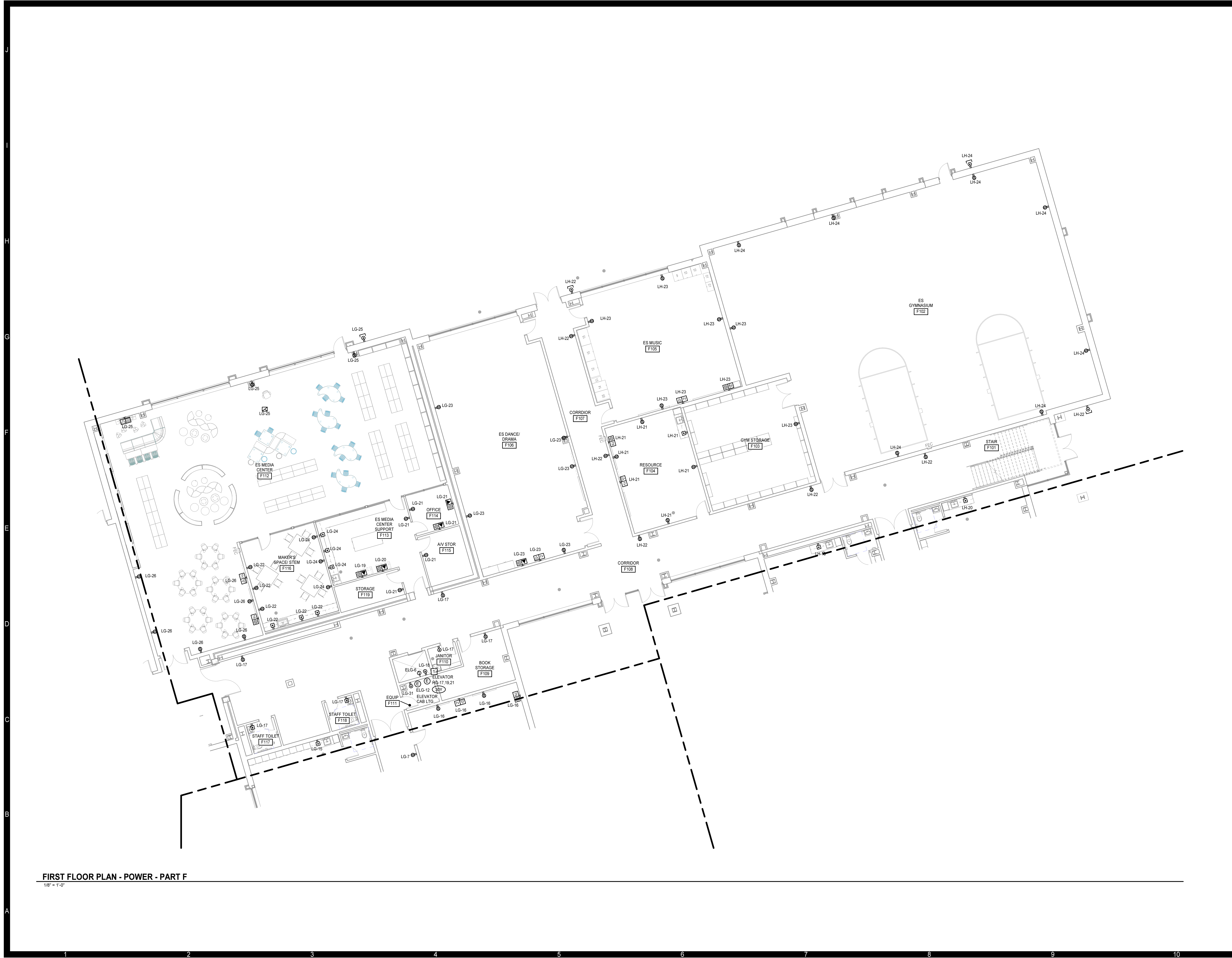
KEYNOTES
 APPLIES TO THIS DRAWING

- 1 LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO TCP RELAYS. SEE DETAILS ON E0.2.
- 2 PROVIDE LOCKABLE, CLEAR PROTECTIVE COVER FOR THESE SWITCHES.



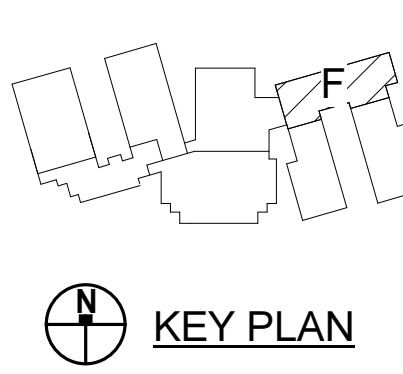
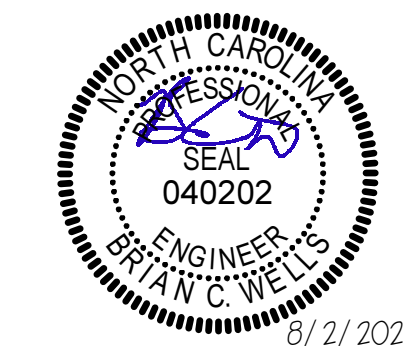
FIRST FLOOR PLAN - LIGHTING - PART F
 1/8" = 1'-0"

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FIRST FLOOR PLAN - POWER - PART F

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

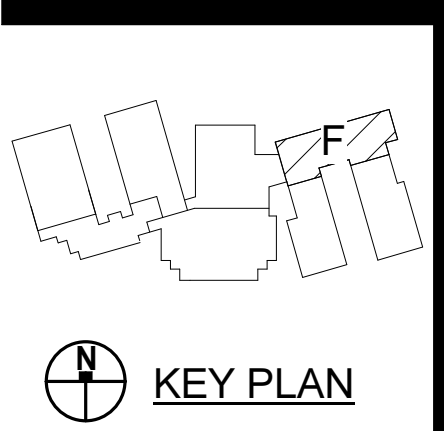
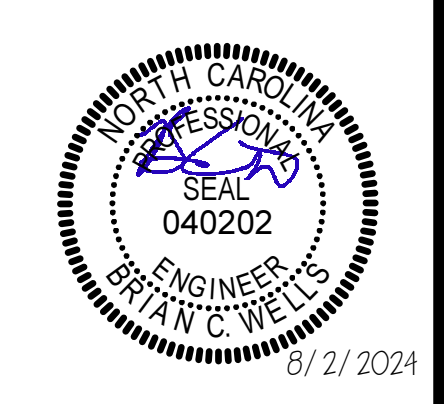
PROJECT NO:	831310
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FIRST FLOOR PLAN - POWER - PART F



FIRST FLOOR PLAN - COMMUNICATIONS - PART F

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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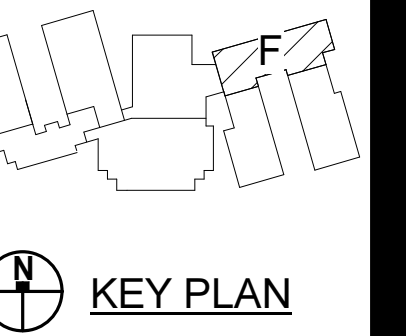
FIRST FLOOR PLAN - COMMUNICATIONS - PART F

E2.1.6.3

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.1.6.4								
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
FCU-F-11	277 V	1	0.2 KVA	H11	8	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
SP-1	120 V	1	1.3 KVA	ELBR	23	(2) #12, (1) #12 E.G. IN 3/4" C	MANUAL MOTOR STARTER	COORDINATE WITH DIV 22 FOR CONTROL PANEL LOCATION
SSI-F-11	208 V	2	0.1 KVA	ELBR	22,24	(2) #12, (1) #12 E.G. IN 3/4" C	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT



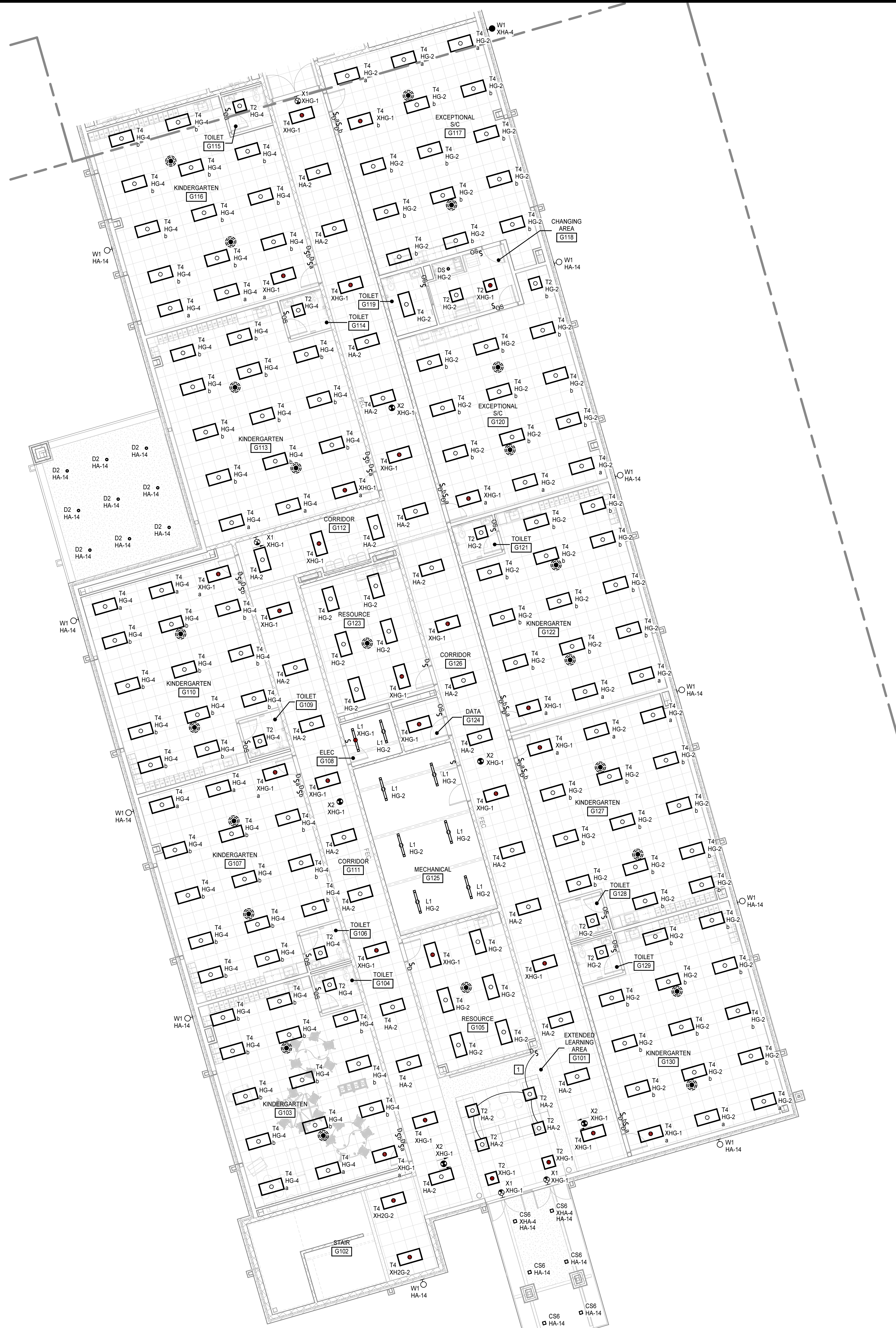
FIRST FLOOR PLAN - MECHANICAL POWER - PART F
1/8" = 1'-0"



PROJECT NO:	831310
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REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - LIGHTING - PART G

1/8" = 1'-0"



GENERAL LIGHTING NOTES

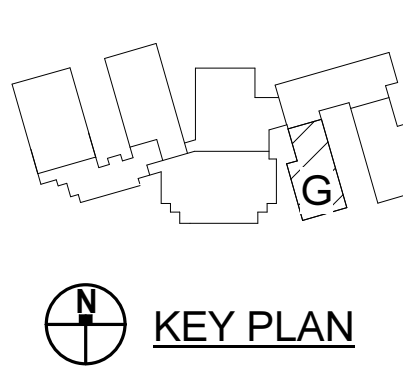
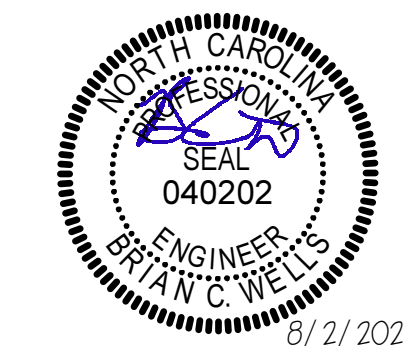
A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1 LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2

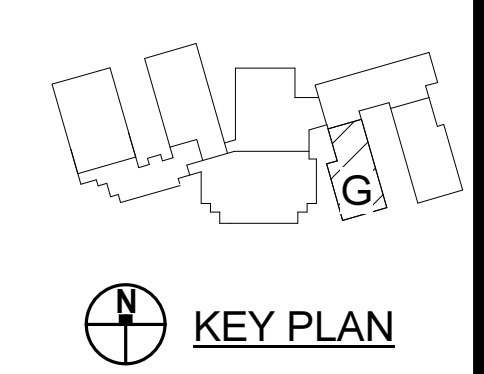


PROJECT NO:	631310
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FIRST FLOOR PLAN - POWER - PART G
 1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

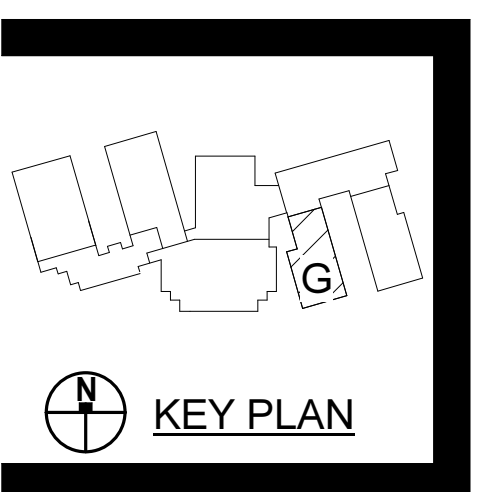
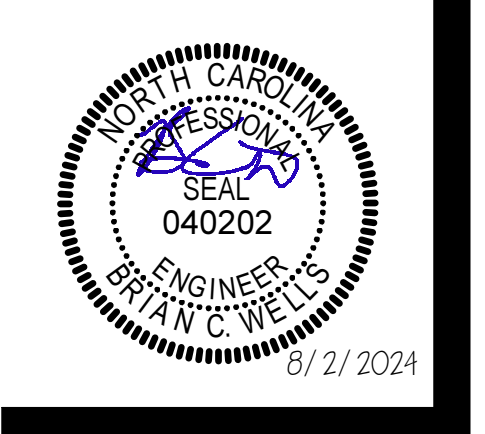
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FIRST FLOOR PLAN -
 POWER - PART G

E2.1.7.2



FIRST FLOOR PLAN - COMMUNICATIONS - PART G
 1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

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FIRST FLOOR PLAN -
 COMMUNICATIONS -
 PART G

E2.1.7.3

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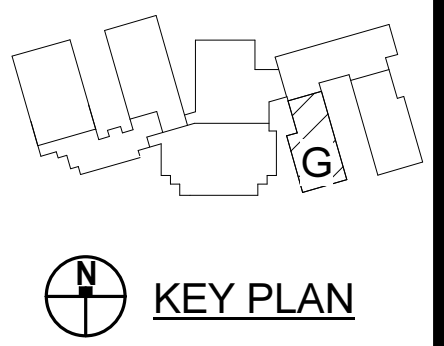


FIRST FLOOR PLAN - MECHANICAL POWER - PART G
 1/8" = 1'-0"

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.1.7.4

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-G-11	480 V	3	9.3 KVA	HG	7,9,11	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
AHU-G-12	277 V	1	1.8 KVA	HG	10	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
AHU-G-13	480 V	3	11.7 KVA	HG	12,14,16	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
BC-G-1	120 V	1	0.5 KVA	ELG	7	(2) #12, (1) #12 E.G. IN 3/4" C	N/A	
FCU-G-11	277 V	1	0.2 KVA	HG	13	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
FCU-G-12	277 V	1	0.2 KVA	HG	15	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
SSI-G-11	208 V	2	0.1 KVA	ELG	8,10	(2) #12, (1) #12 E.G. IN 3/4" C	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT

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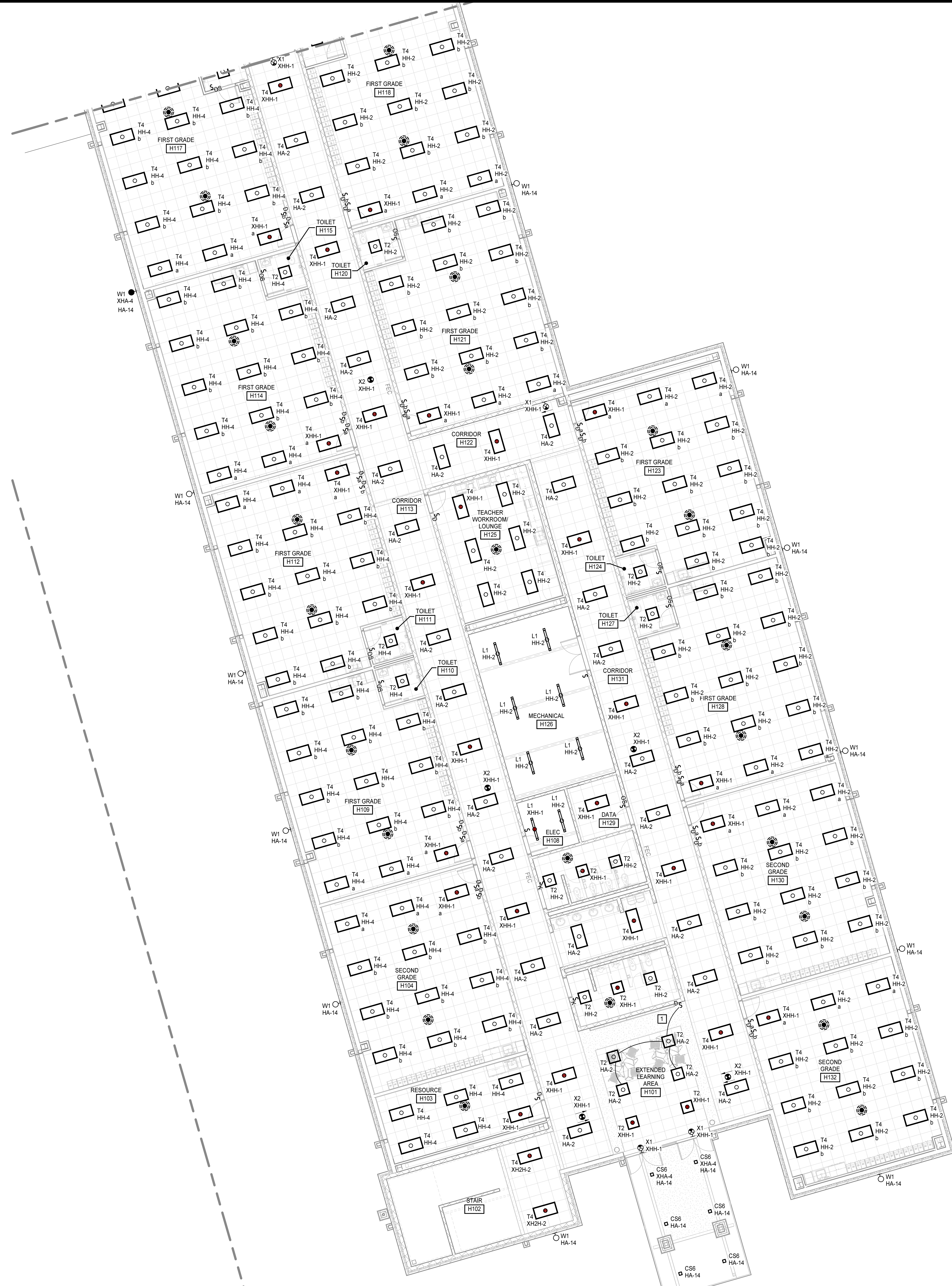
PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO: 831310
 DATE: AUGUST 2, 2024

DATE	REVISIONS	DESCRIPTION

FIRST FLOOR PLAN -
 MECHANICAL POWER -
 PART G

E2.1.7.4



FIRST FLOOR PLAN - LIGHTING - PART H
1/8" = 1'-0"

GENERAL LIGHTING NOTES

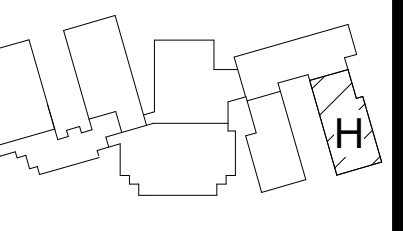
A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1 LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

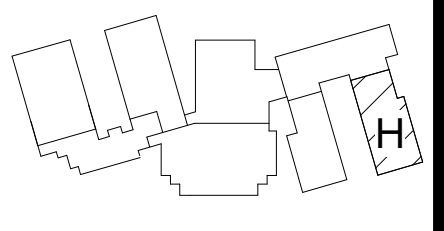
PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - LIGHTING - PART H

E2.1.8.1



FIRST FLOOR PLAN - POWER - PART H
 1/8" = 1'-0"



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

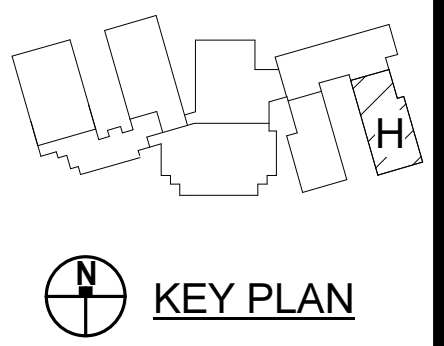
PROJECT NO:	631310
DATE:	AUGUST 2, 2024
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DATE	DESCRIPTION

FIRST FLOOR PLAN -
 POWER - PART H

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FIRST FLOOR PLAN - COMMUNICATIONS - PART H
1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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FIRST FLOOR PLAN -
COMMUNICATIONS -
PART H

E2.1.8.3

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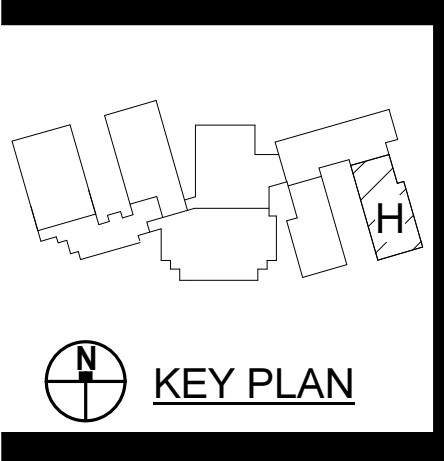


DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.1.8.4

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-H-11	480 V	3	9.3 KVA	HH	7.9.11	(4)#12, (1)#12 E.G. IN 3/4" C	BY DIV 23	
AHU-H-12	277 V	1	1.8 KVA	HH	13	(2)#12, (1)#12 E.G. IN 3/4" C	BY DIV 23	
AHU-H-13	480 V	3	9.3 KVA	HH	8.10.12	(4)#12, (1)#12 E.G. IN 3/4" C	BY DIV 23	
BC-H-1	120 V	1	0.5 KVA	ELH	6	(2)#12, (1)#12 E.G. IN 3/4" C	N/A	
FCU-H-11	277 V	1	0.2 KVA	HH	14	(2)#12, (1)#12 E.G. IN 3/4" C	BY DIV 23	
FCU-H-12	277 V	1	0.2 KVA	HH	15	(2)#12, (1)#12 E.G. IN 3/4" C	BY DIV 23	
SS-H-11	208 V	2	0.1 KVA	ELH	7.9	(2)#12, (1)#12 E.G. IN 3/4" C	IMOTOR RATED SWITCH	

FIRST FLOOR PLAN - MECHANICAL POWER - PART H
1/8" = 1'-0"

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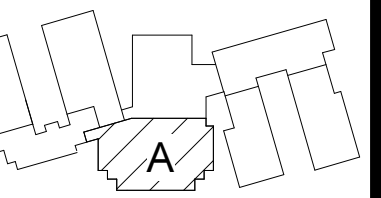
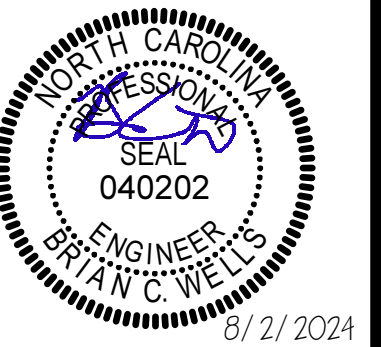


PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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REVISIONS	
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FIRST FLOOR PLAN - MECHANICAL POWER - PART H

E2.1.8.4



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
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SECOND FLOOR PLAN - LIGHTING - PART A

E2.2.1.1

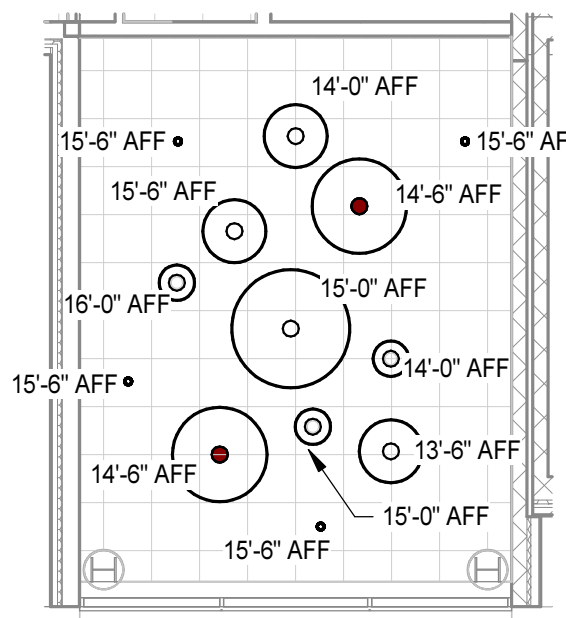
GENERAL LIGHTING NOTES

- A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RIM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.
- B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

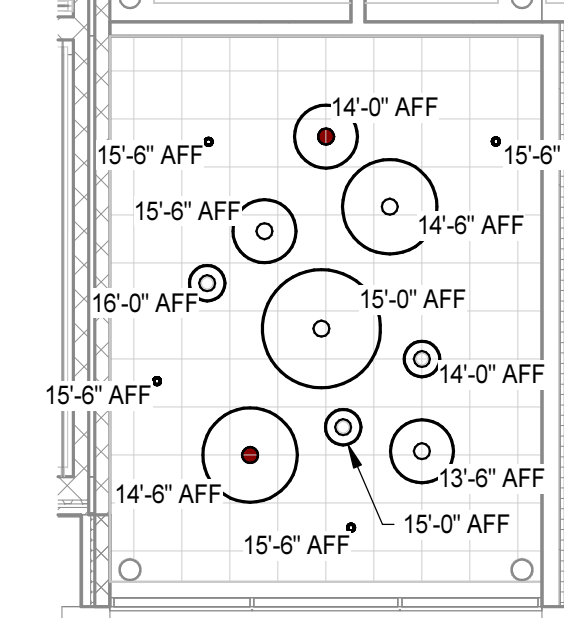
- 1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.



ALL FIXTURE HEIGHTS SHOWN ARE MEASURED TO THE BOTTOM OF THE FIXTURE.

MS ENTRY - LIGHTING MOUNTING HEIGHTS

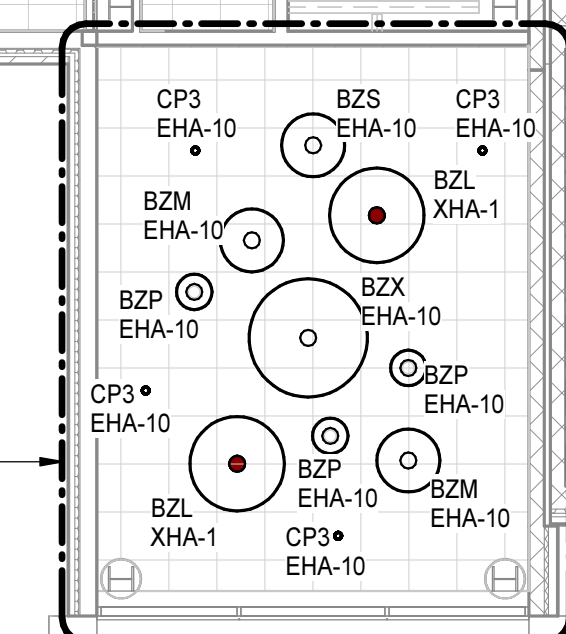
1/8" = 1'-0"



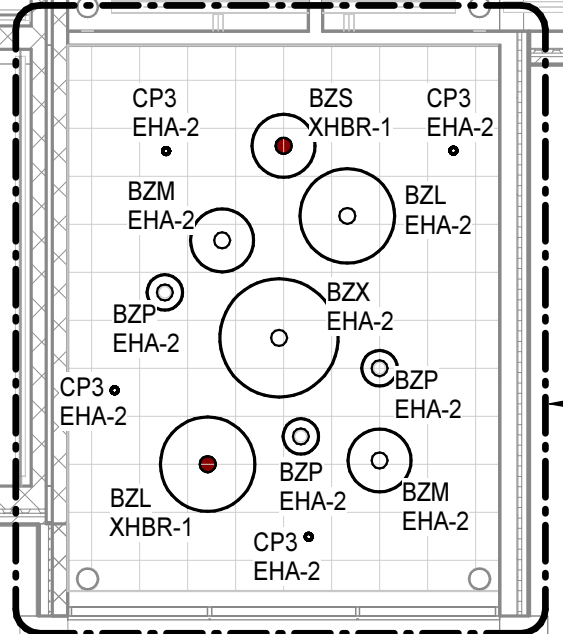
ALL FIXTURE HEIGHTS SHOWN ARE MEASURED TO THE BOTTOM OF THE FIXTURE.

ES ENTRY - LIGHTING MOUNTING HEIGHTS

1/8" = 1'-0"



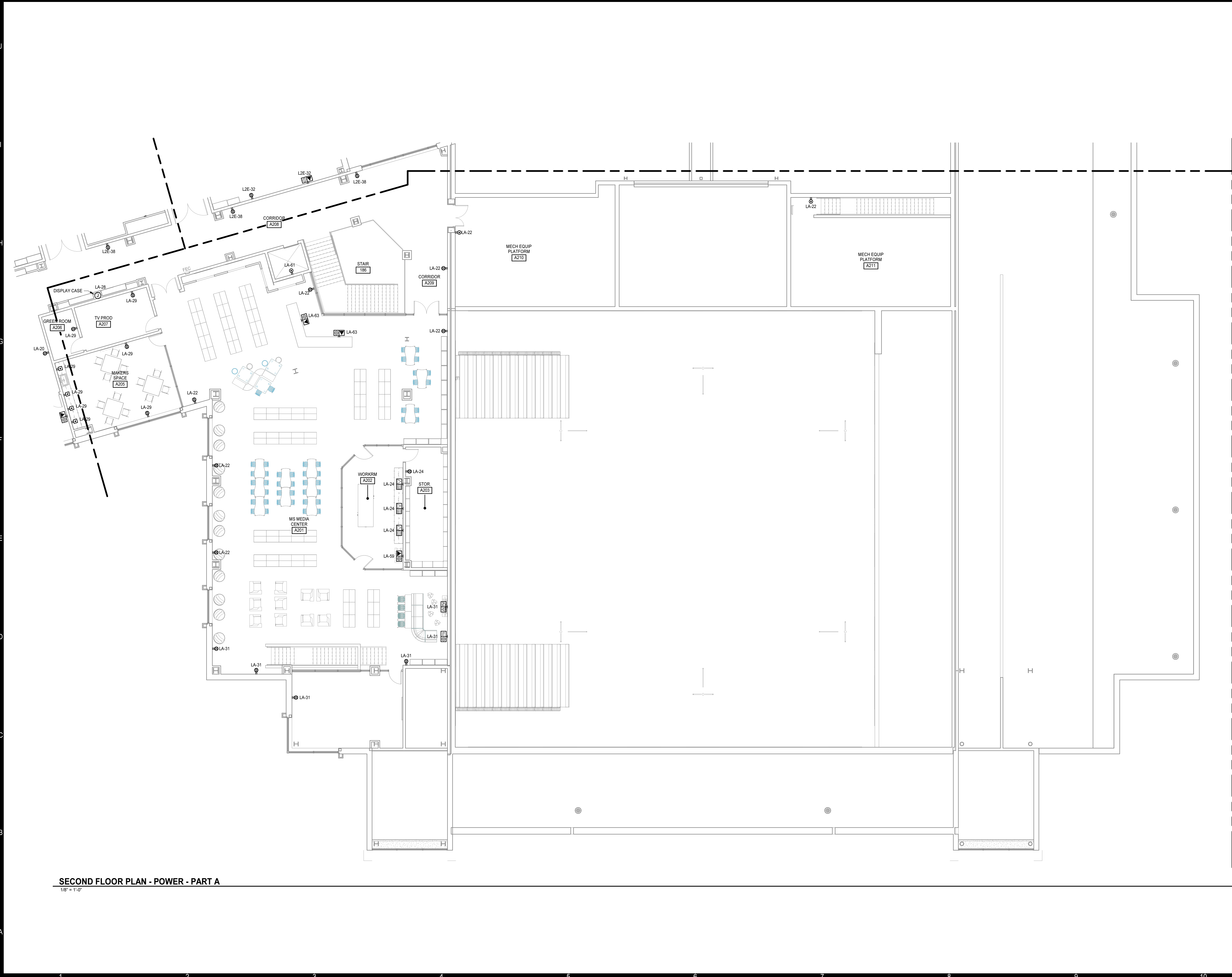
SEE MS PLAN ABOVE FOR FIXTURE MOUNTING HEIGHTS IN THIS ROOM.



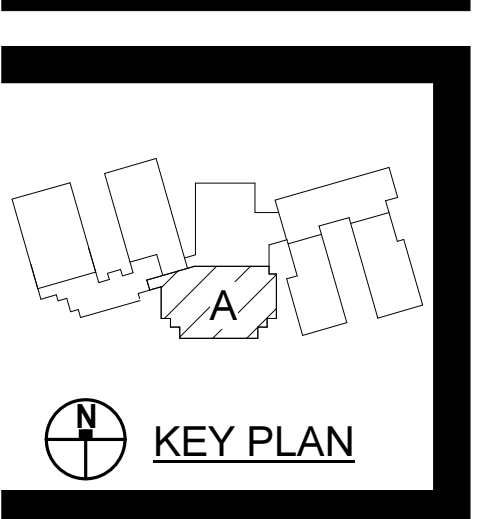
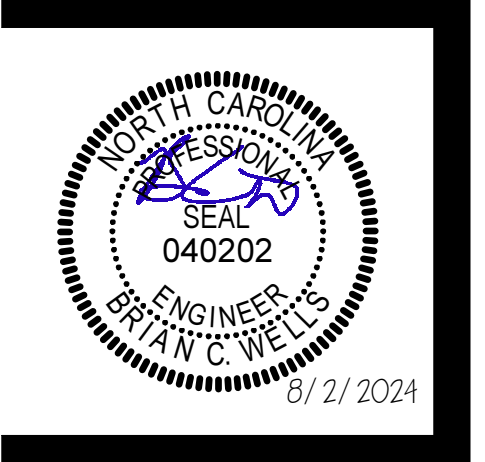
SEE ES PLAN ABOVE FOR FIXTURE MOUNTING HEIGHTS IN THIS ROOM.

SECOND FLOOR PLAN - LIGHTING - PART A

1/8" = 1'-0"



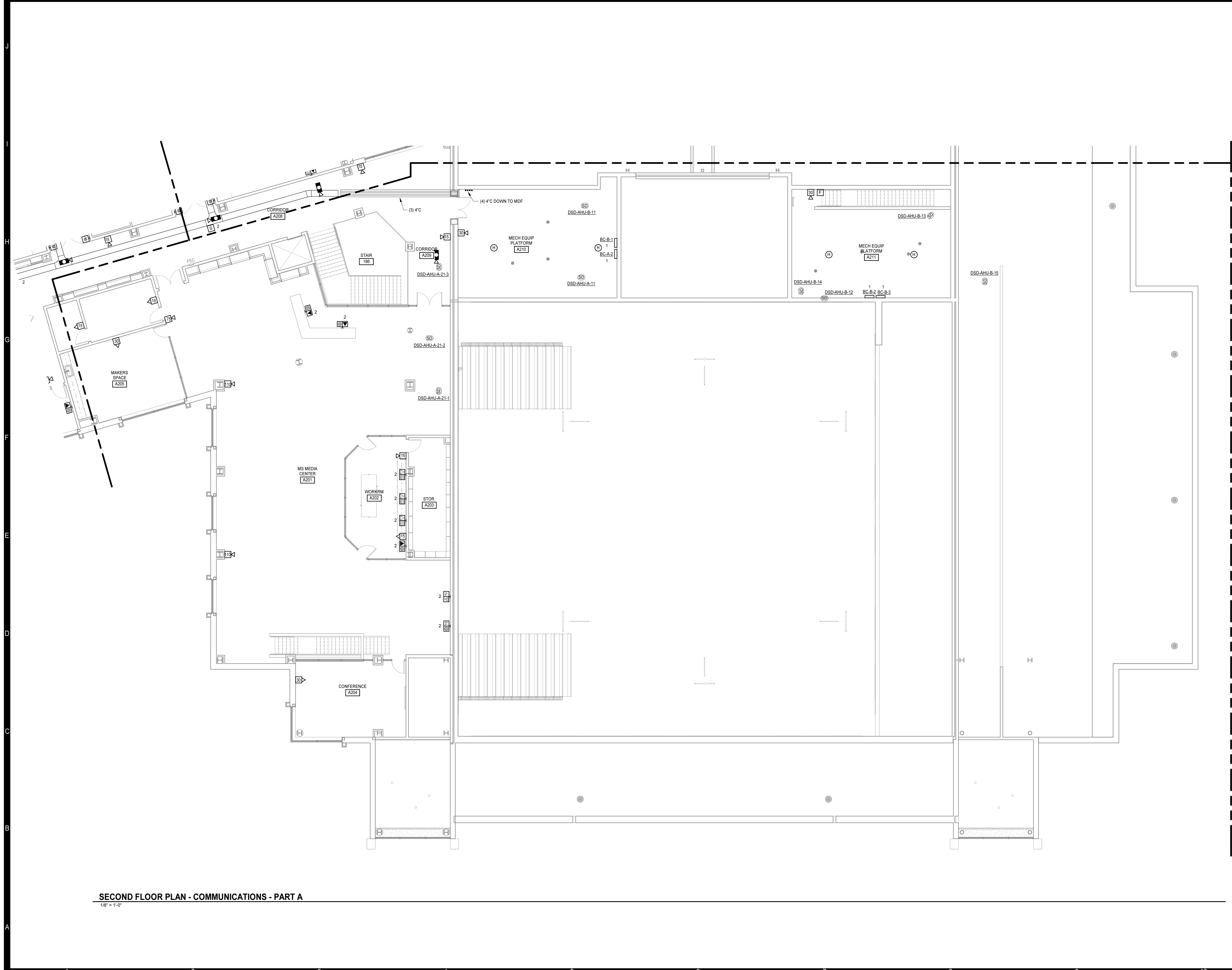
SECOND FLOOR PLAN - POWER - PART A
1/8" = 1'-0"



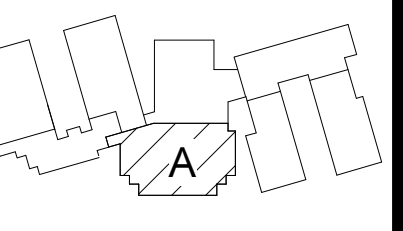
PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - POWER - PART A



SECOND FLOOR PLAN - COMMUNICATIONS - PART A
 1/8" = 1'-0"



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - COMMUNICATIONS - PART A

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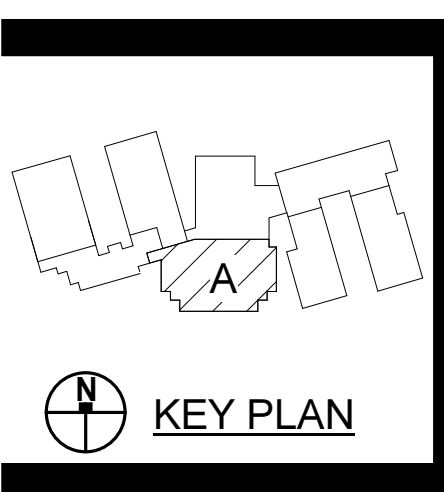
SECOND FLOOR PLAN - MECHANICAL POWER - PART A
1/8" = 1'-0"



DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.2.1.4									
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AHU-A-11 ENERGY WHEEL	480 V	3	1.3 KVA	EHA	25.27.29	(4) #12, (1) #10 E.G. IN 3/4"	BY DIV 23		
AHU-A-11 EXHAUST	480 V	3	11.6 KVA	EHA	28.28.30	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23		
AHU-A-11 SUPPLY	480 V	3	17.5 KVA	EHA	19.21.23	(4) #8, (1) #10 E.G. IN 1"	BY DIV 23		
AHU-A-21	480 V	3	11.7 KVA	HA	28.30.32	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23		
AHU-B-11	480 V	3	17.5 KVA	EHA	20.22.24	(4) #8, (1) #10 E.G. IN 1"	BY DIV 23		
AHU-B-12	480 V	3	17.5 KVA	EHR	25.27.29	(4) #8, (1) #10 E.G. IN 1"	BY DIV 23		
AHU-B-13	480 V	3	7.0 KVA	EHR	28.28.30	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
AHU-B-14	277 V	1	1.8 KVA	HBR	17	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
AHU-B-15	480 V	3	9.3 KVA	HBR	16.18.20	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
BC-A-2	120 V	1	0.5 KVA	ELA	20	(2) #12, (1) #12 E.G. IN 3/4"	N/A		
BC-B-1	120 V	1	0.5 KVA	ELA	22	(2) #12, (1) #12 E.G. IN 3/4"	N/A		
BC-B-2	120 V	1	0.5 KVA	ELBR	25	(2) #12, (1) #12 E.G. IN 3/4"	N/A		
BC-B-3	120 V	1	0.5 KVA	ELBR	26	(2) #12, (1) #12 E.G. IN 3/4"	N/A		
FCU-A-21	277 V	1	0.2 KVA	HA	31	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
FCU-A-22	277 V	1	0.2 KVA	HBR	15	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		

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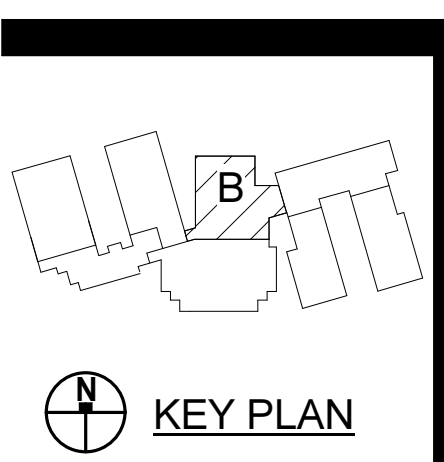
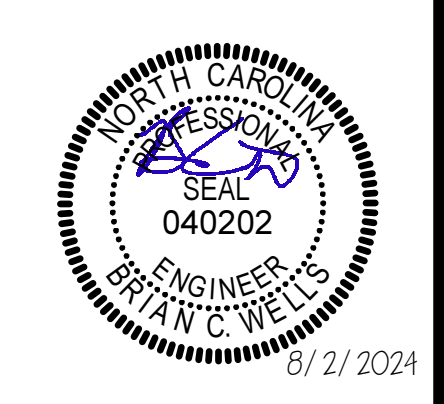


PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - MECHANICAL POWER - PART A

E2.2.1.4



PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

GENERAL LIGHTING NOTES

A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

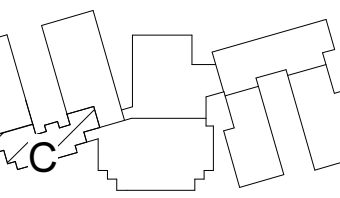
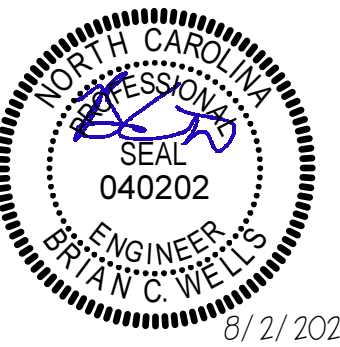
KEYNOTES

APPLIES TO THIS DRAWING

- LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.
- SWITCH ZONES "1" AND "2" SHALL CONTROL DIRECT PORTION OF LINEAR FIXTURES IN THIS AREA. SWITCH ZONES "1" AND "2" SHALL CONTROL INDIRECT PORTION OF LINEAR FIXTURES IN THIS AREA.



SECOND FLOOR PLAN - LIGHTING - PART B
 1/8" = 1'-0"



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	831310
DATE:	AUGUST 2, 2024
REVISIONS:	
DATE:	
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SECOND FLOOR PLAN - LIGHTING - PART C

GENERAL LIGHTING NOTES

- A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.
- B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.



SECOND FLOOR PLAN - LIGHTING - PART C
1/8" = 1'-0"

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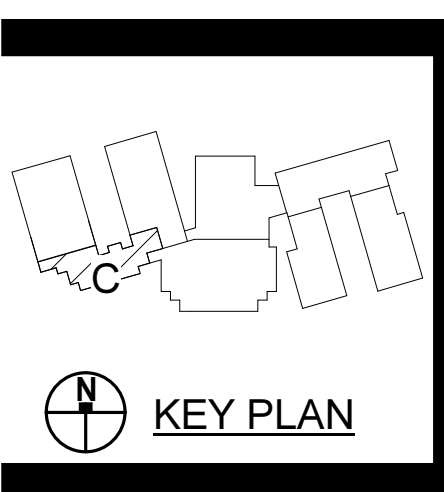
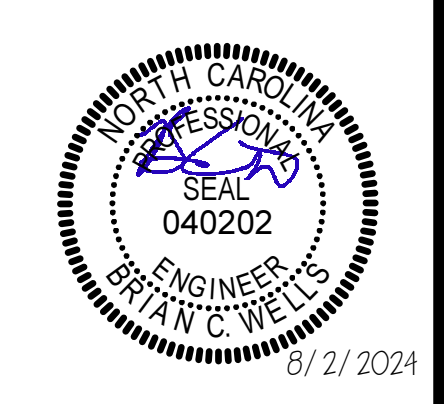
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SECOND FLOOR PLAN - POWER - PART C

1/8" = 1'-0"

MOSELEYARCHITECTS



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

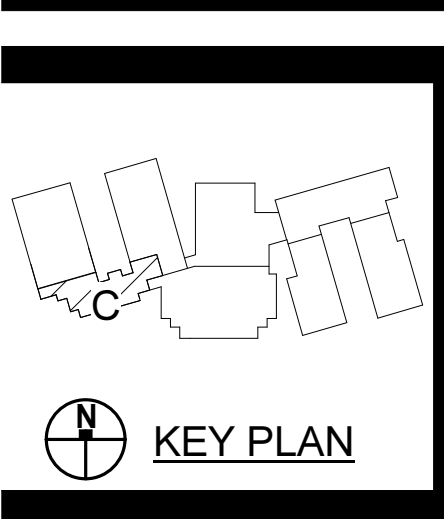
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DATE	DESCRIPTION

SECOND FLOOR PLAN - POWER - PART C

E2.2.3.2

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SECOND FLOOR PLAN - COMMUNICATIONS - PART C
1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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SECOND FLOOR PLAN - COMMUNICATIONS - PART C

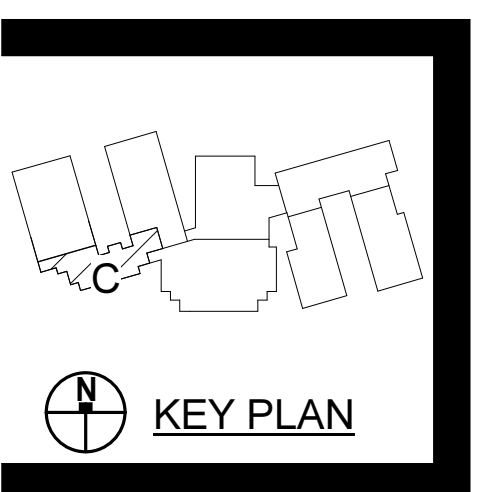
E2.2.3.3

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.2.3.4									
TAG	VOLTAGE	#	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AHUC-C-21	480 V	3	11.7 KVA	HA	33,35,37	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
BC-C-2	120 V	1	0.5 KVA	ELA	23	(2) #12, (1) #12 E.G. IN 3/4"	N/A		
FCU-C-21	277 V	1	0.2 KVA	HA	34	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		



SECOND FLOOR PLAN - MECHANICAL POWER - PART C
 1/8" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

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631310	AUGUST 2, 2024	

SECOND FLOOR PLAN - MECHANICAL POWER - PART C

E2.2.3.4

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SECOND FLOOR PLAN - LIGHTING - PART D
1/8" = 1'-0"



GENERAL LIGHTING NOTES

A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

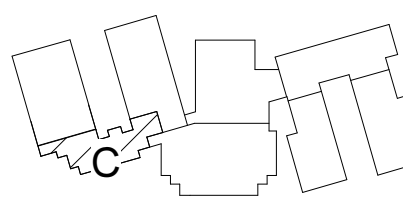
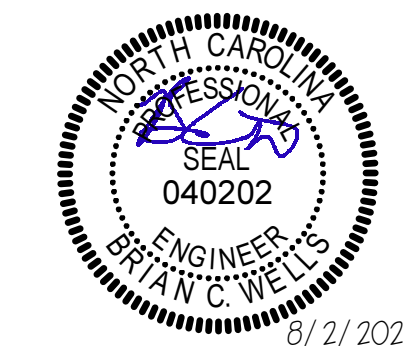
B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 831310
DATE: AUGUST 2, 2024

DATE	REVISIONS	DESCRIPTION

SECOND FLOOR PLAN - LIGHTING - PART D

E2.2.4.1

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MOSELEYARCHITECTS.COM

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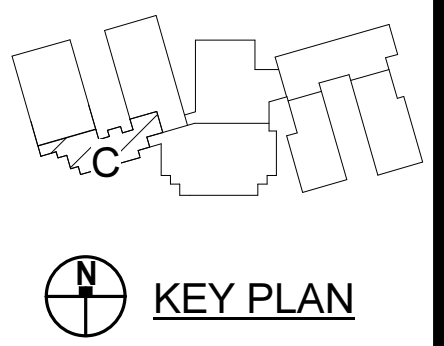
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SECOND FLOOR PLAN - POWER - PART D
1/8" = 1'-0"



KEYNOTES	
APPLIES TO THIS DRAWING	
1	COORDINATE RECEPTACLE AND DATA MOUNTING WITH CASEWORK
2	PROVIDE 6 POLE CONTACTOR WITH COIL CONNECTED TO E.P.O. BUTTON. ROUTE ALL RECEPTACLE CIRCUITS THROUGH CONTACTOR TO DE ENERGIZE CIRCUITS UPON E.P.O. ACTIVATION. LOCATE CONTACTOR ABOVE ACCESSIBLE CEILING

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PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

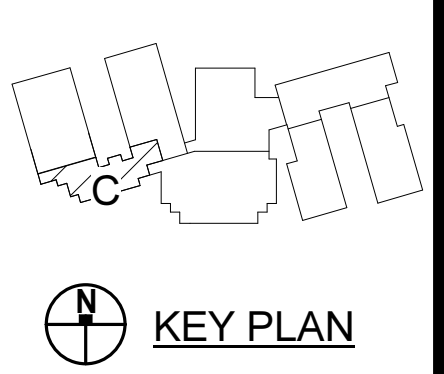
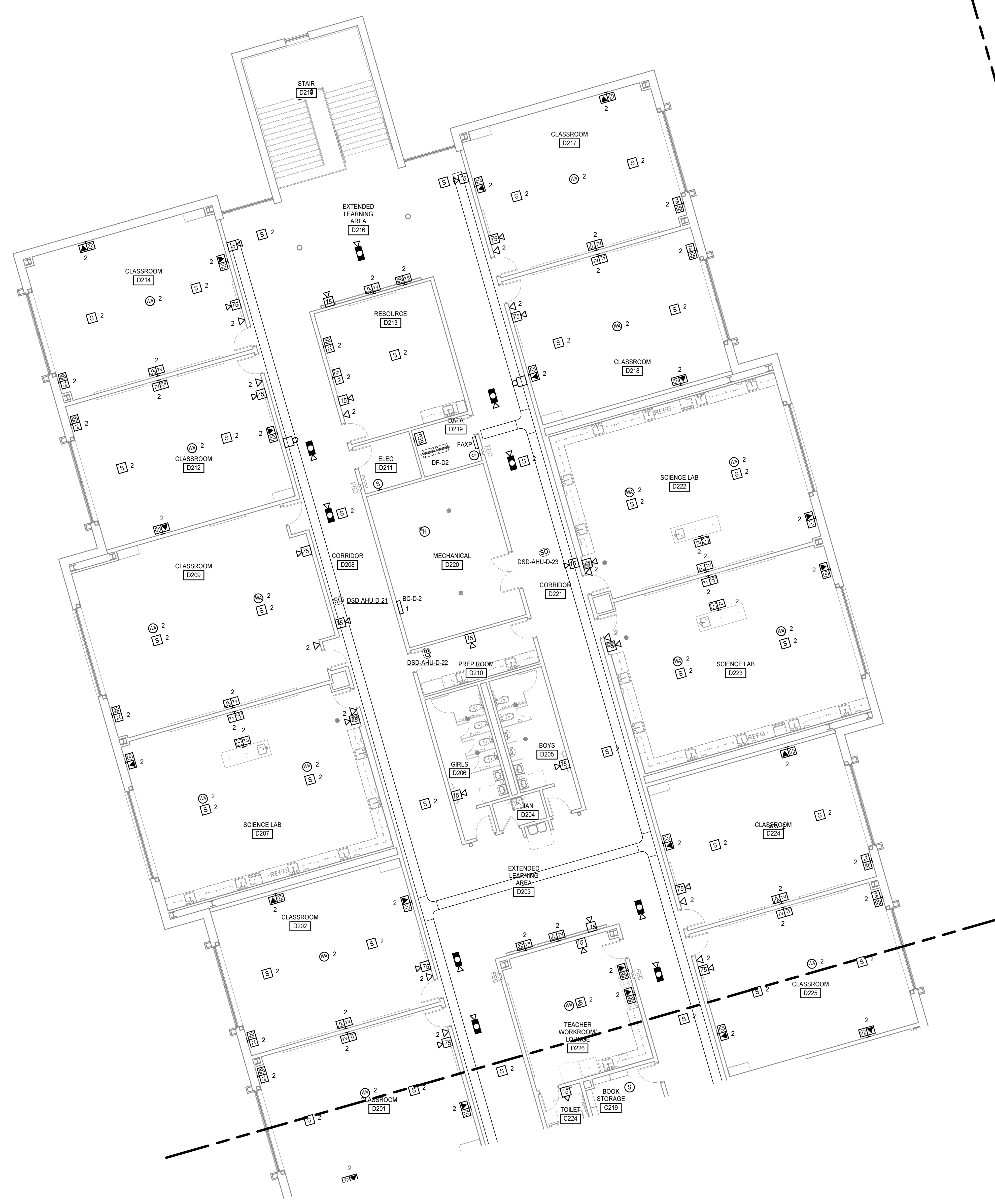
PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - POWER - PART D

E2.2.4.2

SECOND FLOOR PLAN - COMMUNICATIONS - PART D

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	831310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN -
COMMUNICATIONS -
PART D

E2.2.4.3

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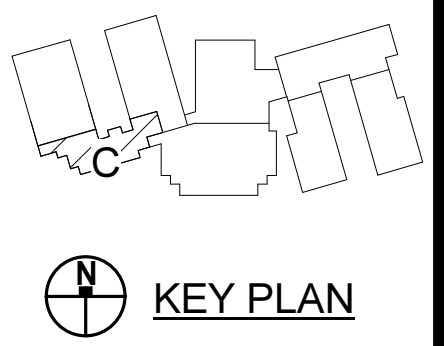
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DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.2.4.4								
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-D-21	480 V	3	11.7 KVA	H2D	7.9.11	(4)#10, (1)#10 E.G. IN 3/4" C	BY DIV 23	
AHU-D-22	480 V	3	7.0 KVA	H2D	8.10.12	(4)#12, (1)#12 E.G. IN 3/4" C	BY DIV 23	
AHU-D-23	480 V	3	11.7 KVA	H2D	13.15.17	(4)#10, (1)#10 E.G. IN 3/4" C	BY DIV 23	
BC-D-2	120 V	1	0.5 KVA	EL2D	7	(2)#12, (1)#12 E.G. IN 3/4" C	N/A	
FCU-D-21	277 V	1	0.2 KVA	H2D	14	(2)#12, (1)#12 E.G. IN 3/4" C	BY DIV 23	
SSL-D-21	208 V	2	0.1 KVA	EL2D	8.10	(2)#12, (1)#12 E.G. IN 3/4" C	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT



SECOND FLOOR PLAN - MECHANICAL POWER - PART D
 1/8" = 1'-0"

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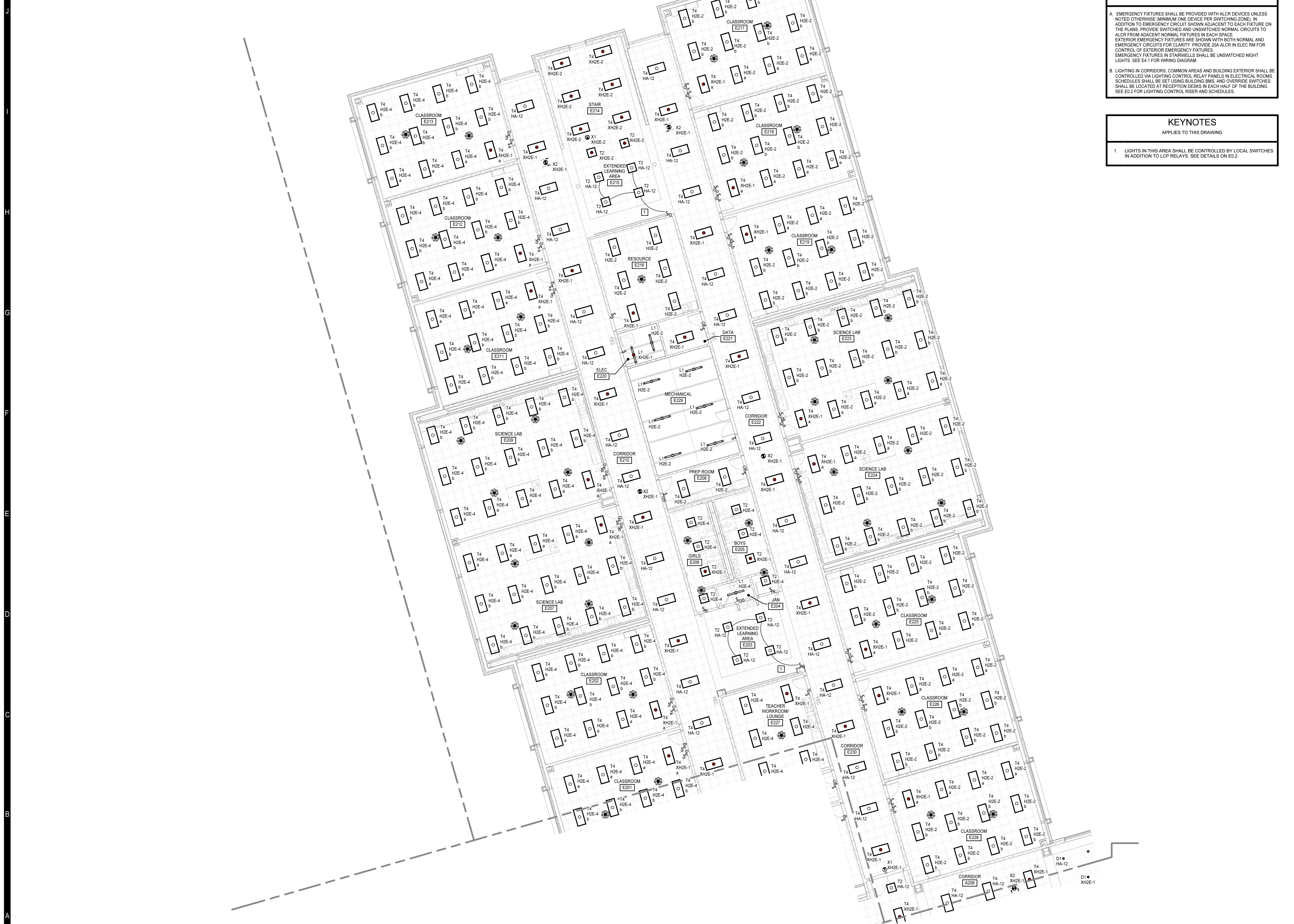
PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN -
 MECHANICAL POWER -
 PART D

E2.2.4.4

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SECOND FLOOR PLAN - LIGHTING - PART E
 1/8" = 1'-0"

GENERAL LIGHTING NOTES

A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE EA 1 FOR WIRING DIAGRAM.

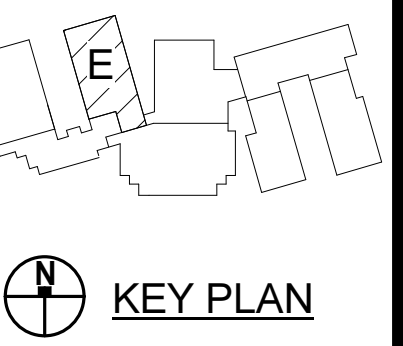
B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0 2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1 LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0 2.

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 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	831310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - LIGHTING - PART E

E2.2.5.1

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SECOND FLOOR PLAN - POWER - PART E

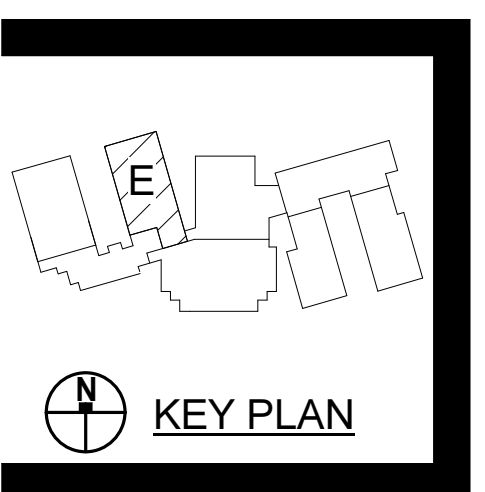
1/8" = 1'-0"



KEYNOTES
APPLIES TO THIS DRAWING

- COORDINATE RECEPTACLE AND DATA MOUNTING WITH CASEWORK.
- PROVIDE 6 POLE CONTACTOR WITH COIL CONNECTED TO E.P.O. BUTTON. ROUTE ALL RECEPTACLE CIRCUITS THROUGH CONTACTOR TO DE ENERGIZE CIRCUITS UPON E.P.O. ACTIVATION. LOCATE CONTACTOR ABOVE ACCESSIBLE CEILING.

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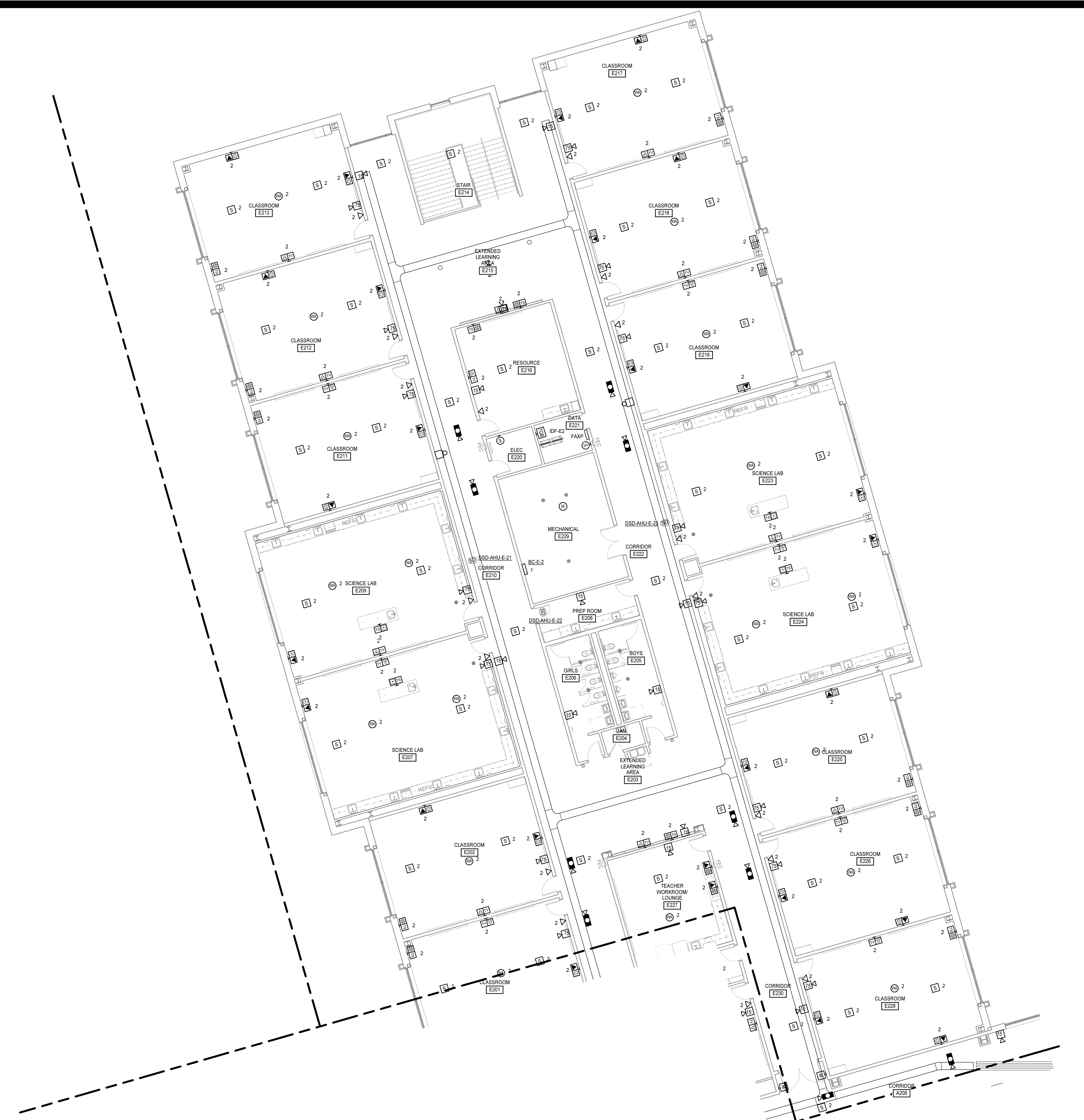


PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

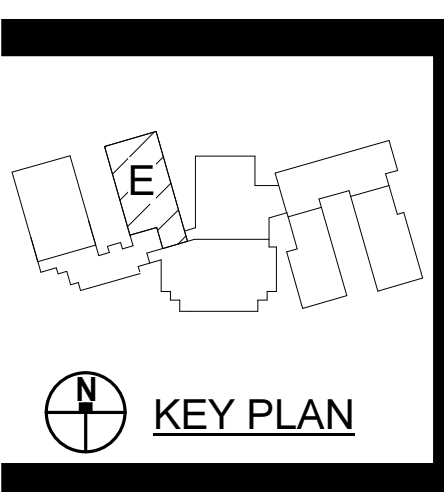
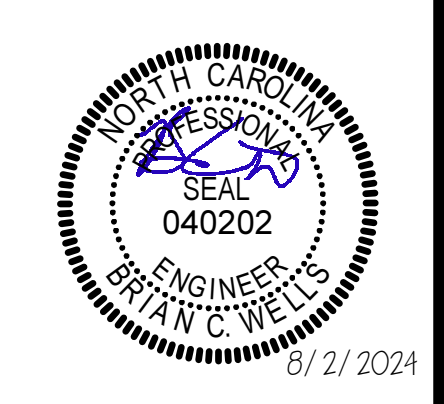
PROJECT NO:	631310
DATE:	AUGUST 2, 2024
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DATE	DESCRIPTION

SECOND FLOOR PLAN - POWER - PART E

E2.2.5.2



SECOND FLOOR PLAN - COMMUNICATIONS - PART E
1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - COMMUNICATIONS - PART E

E2.2.5.3

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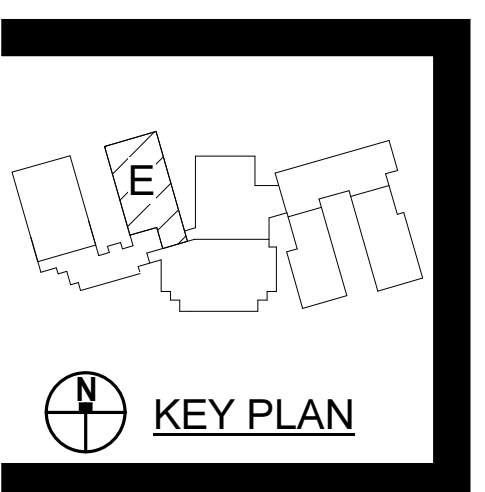
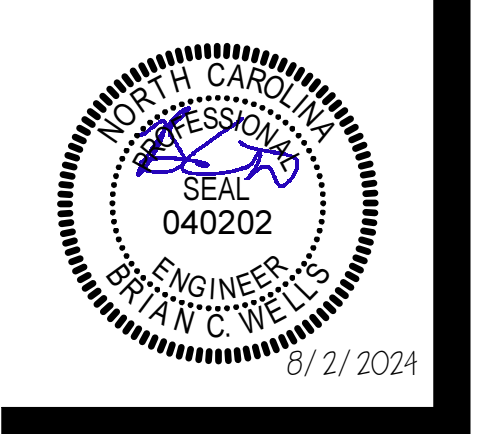
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SECOND FLOOR PLAN - MECHANICAL POWER - PART E
1/8" = 1'-0"

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.2.5.4									
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AHU-E-21	480 V	3	11.7 KVA	H2E	7.9.11	(4) #10, (1) #10 E.G. IN 3/4" C	BY DIV 23		
AHU-E-22	480 V	3	7.0 KVA	H2E	10.12.14	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
AHU-E-23	480 V	3	17.5 KVA	H2E	13.15.17	(4) #6, (1) #10 E.G. IN 1" C	BY DIV 23		
BC-E-2	120 V	1	0.5 KVA	EL2E	8	(2) #12, (1) #12 E.G. IN 3/4" C	N/A		
FCU-E-21	277 V	1	0.2 KVA	H2E	16	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
SSI-E-21	208 V	2	0.1 KVA	EL2E	7.9	(2) #12, (1) #12 E.G. IN 3/4" C	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT	

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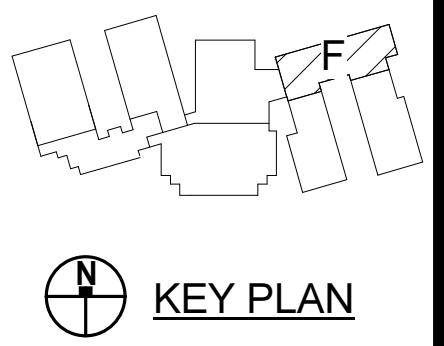


PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
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DATE	DESCRIPTION

SECOND FLOOR PLAN - MECHANICAL POWER - PART E

E2.2.5.4



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS:	
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SECOND FLOOR PLAN - LIGHTING - PART F

E2.2.6.1

GENERAL LIGHTING NOTES

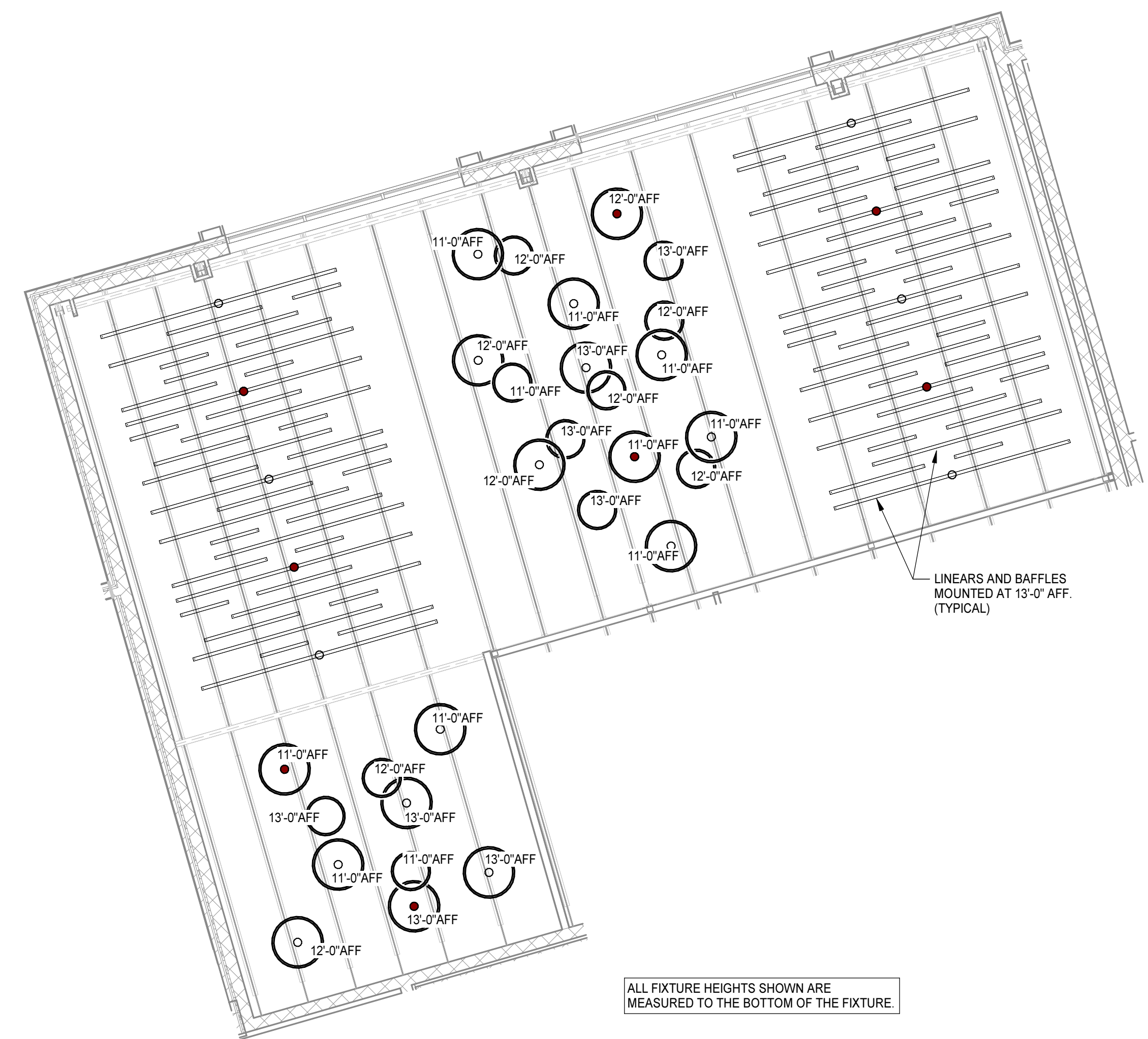
A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.
2. SWITCH ZONES "a", "b" AND "c" SHALL CONTROL DIRECT PORTION OF LINEAR AND RING FIXTURES IN THIS AREA. SWITCH ZONE "d" SHALL CONTROL INDIRECT PORTION OF LINEAR AND RING FIXTURES IN THIS AREA.



ALL FIXTURE HEIGHTS SHOWN ARE MEASURED TO THE BOTTOM OF THE FIXTURE.

MEDIA CENTER PENDANT MOUNTING HEIGHTS
 1/8" = 1'-0"



SECOND FLOOR PLAN - LIGHTING - PART F
 1/8" = 1'-0"

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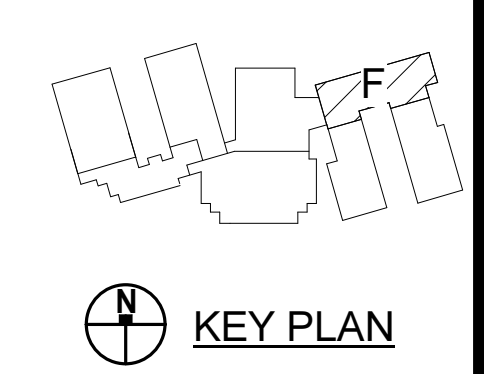
SECOND FLOOR PLAN - POWER - PART F

1/8" = 1'-0"

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Pender County Schools
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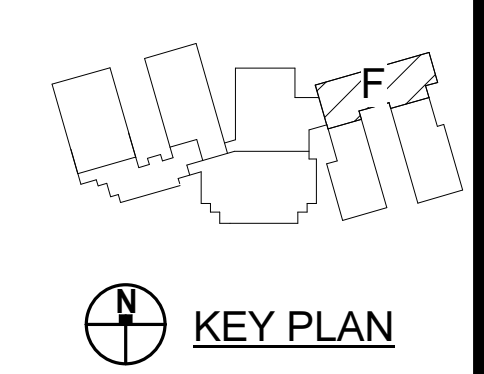
PROJECT NO:	631310
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DATE	DESCRIPTION

SECOND FLOOR PLAN - POWER - PART F

E2.2.6.2



SECOND FLOOR PLAN - COMMUNICATIONS - PART F
 1/8" = 1'-0"



PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

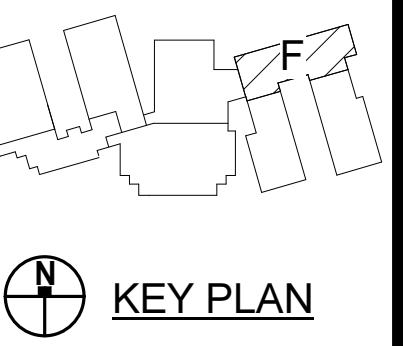
DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.2.6.4									
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AHU-F-11	480 V	3	9.3 KVA	HBR	19.21.23	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
AHU-F-12	480 V	3	9.3 KVA	HBR	22.24.26	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
AHU-F-13	480 V	3	9.3 KVA	HBR	25.27.29	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
AHU-F-14	277 V	1	1.8 KVA	HBR	28	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
AHU-F-21	480 V	3	4.6 KVA	HBR	30.32.34	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
BC-F-1	120 V	1	0.5 KVA	ELBR	27	(2) #12, (1) #12 E.G. IN 3/4"	N/A		
BC-F-2	120 V	1	0.5 KVA	ELBR	28	(2) #12, (1) #12 E.G. IN 3/4"	N/A		
FCU-F-21	277 V	1	0.2 KVA	HBR	31	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		
FCU-F-22	277 V	1	0.2 KVA	H2H	6	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23		



SECOND FLOOR PLAN - MECHANICAL POWER - PART F

1/8" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	831310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - MECHANICAL POWER - PART F

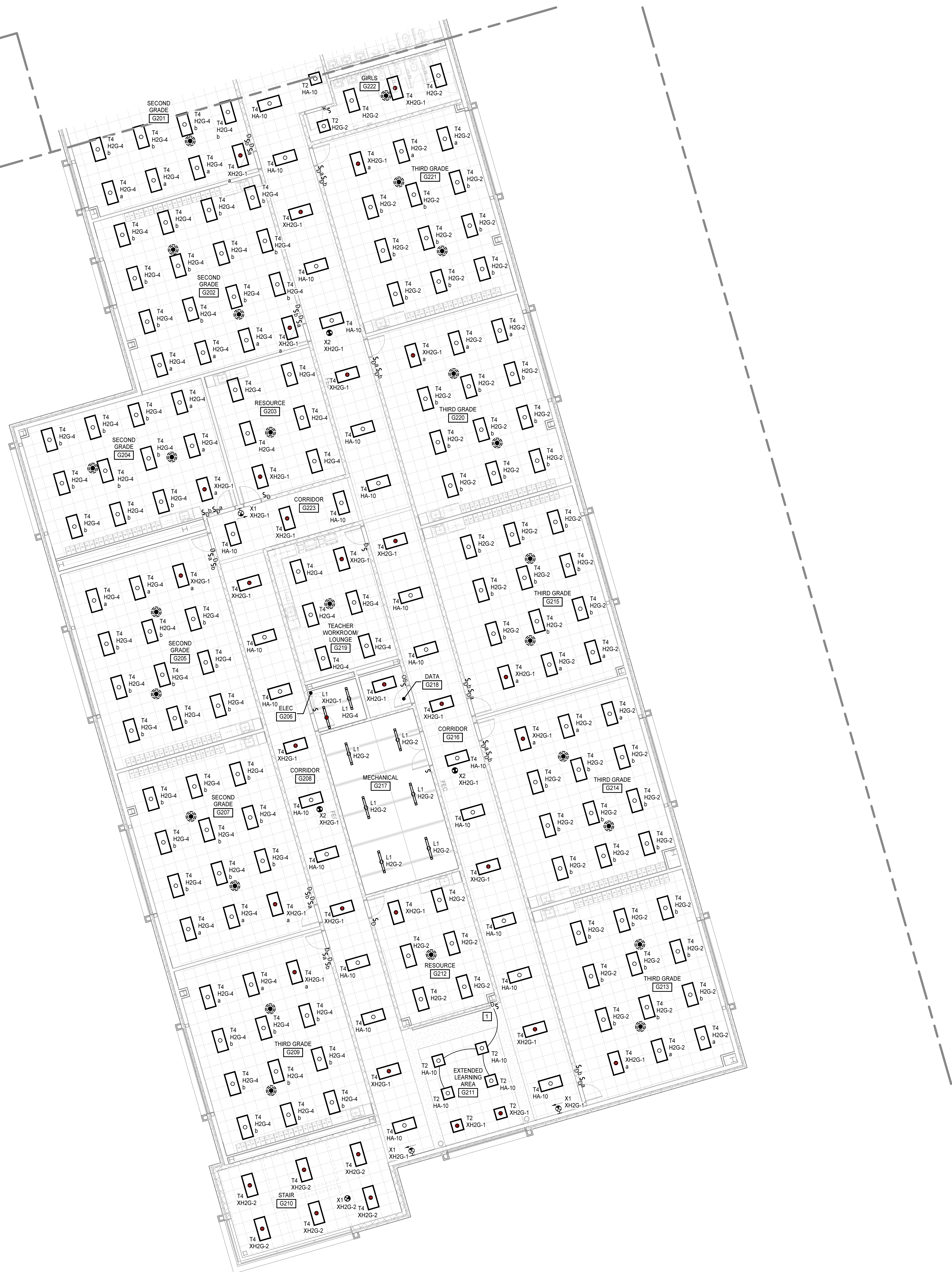
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SECOND FLOOR PLAN - LIGHTING - PART G

1/8" = 1'-0"



GENERAL LIGHTING NOTES

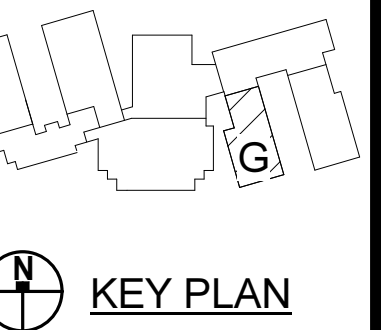
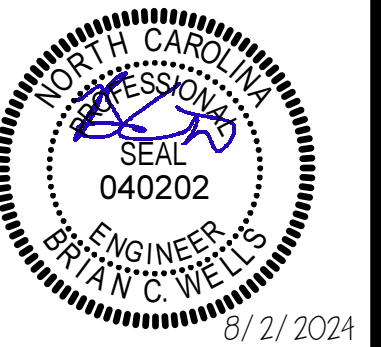
A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE E4.1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E0.2 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E0.2.

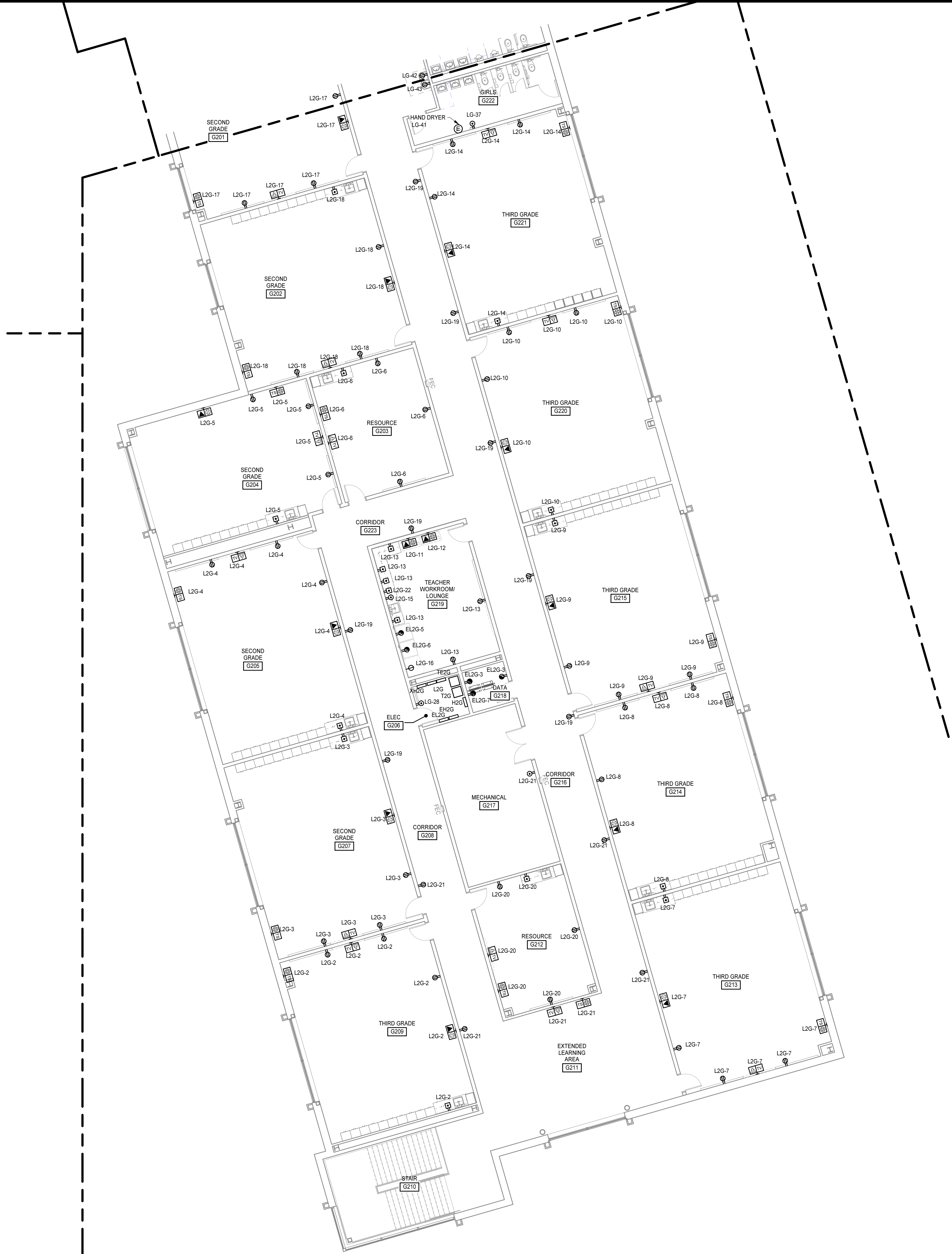


PENDER COUNTY SCHOOLS K-8 SCHOOL

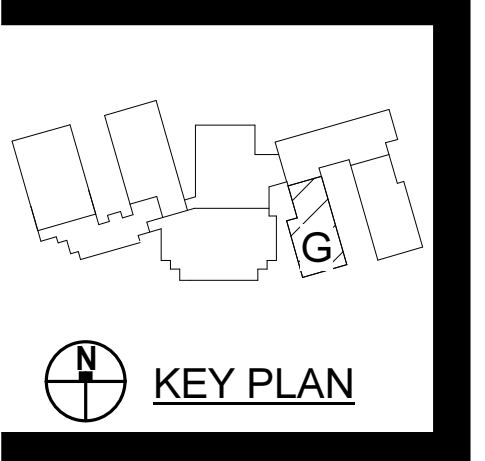
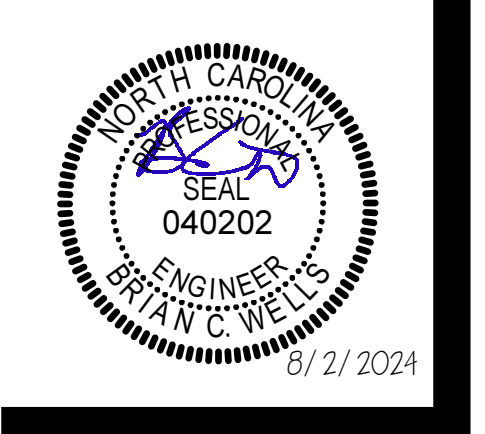
Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - LIGHTING - PART G



SECOND FLOOR PLAN - POWER - PART G
 1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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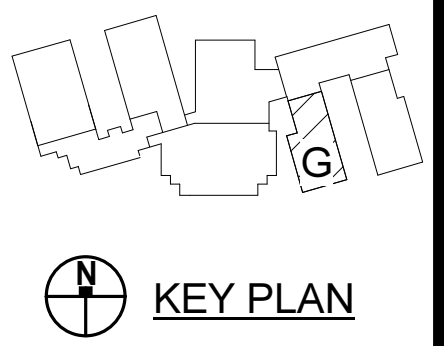
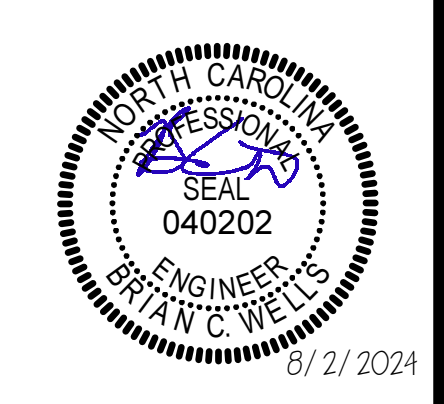
SECOND FLOOR PLAN - POWER - PART G

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SECOND FLOOR PLAN - COMMUNICATIONS - PART G

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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SECOND FLOOR PLAN -
 COMMUNICATIONS -
 PART G

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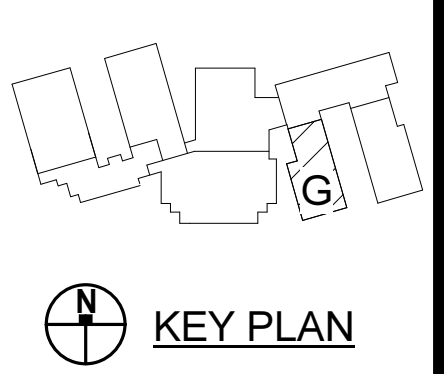


SECOND FLOOR PLAN - MECHANICAL POWER - PART G
1/8" = 1'-0"

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.2.7.4

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-G-21	480 V	3	9.3 KVA	H2G	7,9,11	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
AHU-G-22	480 V	3	4.6 KVA	H2G	8,10,12	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
AHU-G-23	480 V	3	9.3 KVA	H2G	13,15,17	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
BC-G-2	120 V	1	0.5 KVA	EL2G	1	(2) #12, (1) #12 E.G. IN 3/4" C	N/A	
FCU-G-21	277 V	1	0.2 KVA	H2G	14	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
FCU-G-22	277 V	1	0.2 KVA	H2G	16	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23	
SSI-G-21	208 V	2	0.1 KVA	EL2G	2,4	(2) #12, (1) #12 E.G. IN 3/4" C	MOTOR RATED SWITCH	FED FROM OUTDOOR UNIT

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911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA, 27603
PHONE (919) 840-0051
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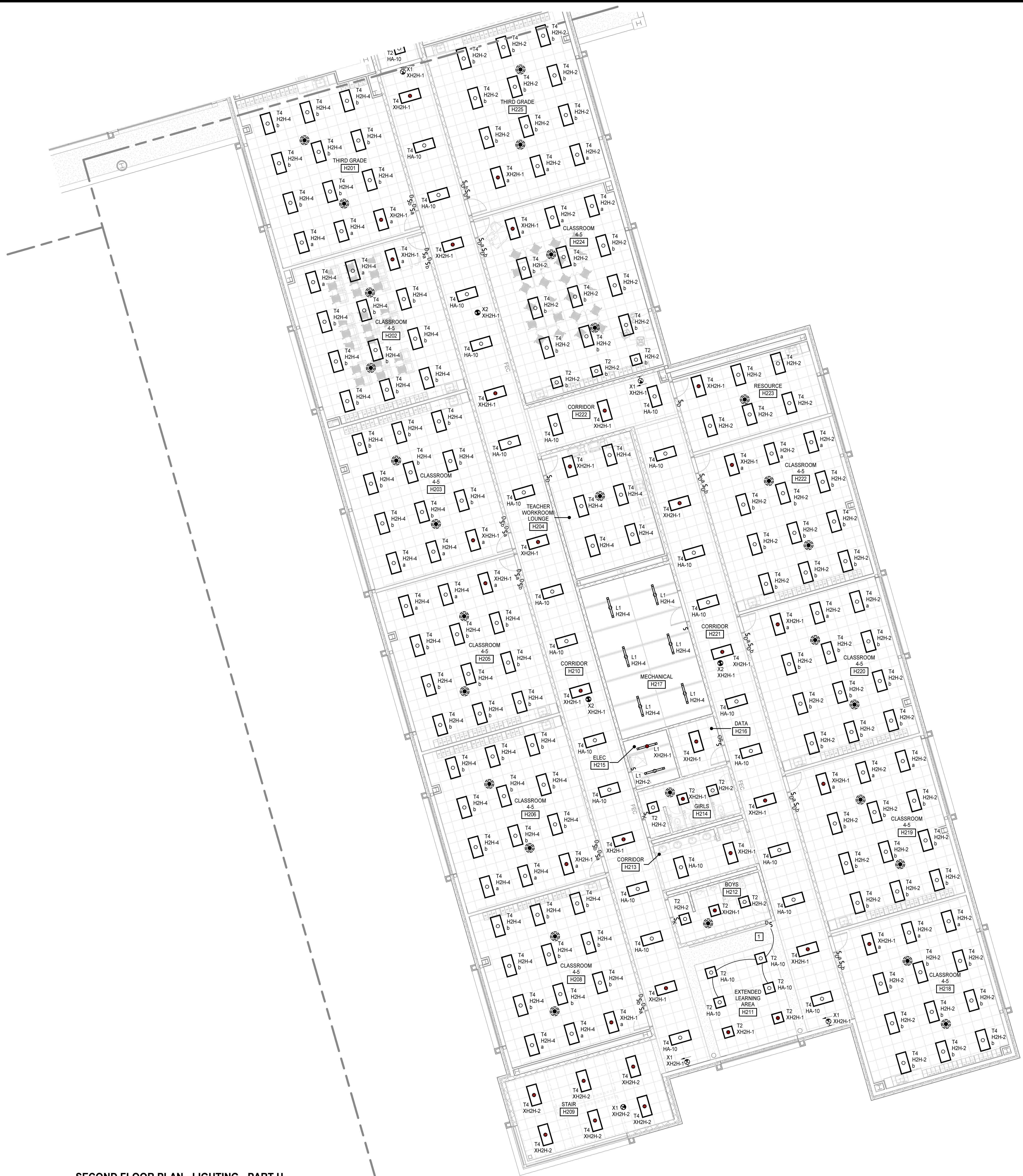
PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 831310
DATE: AUGUST 2, 2024

DATE	REVISIONS	DESCRIPTION

SECOND FLOOR PLAN - MECHANICAL POWER - PART G

E2.2.7.4



GENERAL LIGHTING NOTES

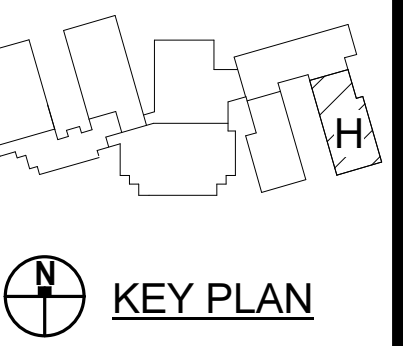
A. EMERGENCY FIXTURES SHALL BE PROVIDED WITH ALCR DEVICES UNLESS NOTED OTHERWISE (MINIMUM ONE DEVICE PER SWITCHING ZONE). IN ADDITION TO EMERGENCY CIRCUIT SHOWN ADJACENT TO EACH FIXTURE ON THE PLANS, PROVIDE SWITCHED AND UNSWITCHED NORMAL CIRCUITS TO ALCR FROM ADJACENT NORMAL FIXTURES IN EACH SPACE. EXTERIOR EMERGENCY FIXTURES ARE SHOWN WITH BOTH NORMAL AND EMERGENCY CIRCUITS FOR CLARITY. PROVIDE 20A ALCR IN ELEC RM FOR CONTROL OF EXTERIOR EMERGENCY FIXTURES. EMERGENCY FIXTURES IN STAIRWELLS SHALL BE UNSWITCHED NIGHT LIGHTS. SEE EA 1 FOR WIRING DIAGRAM.

B. LIGHTING IN CORRIDORS, COMMON AREAS AND BUILDING EXTERIOR SHALL BE CONTROLLED VIA LIGHTING CONTROL RELAY PANELS IN ELECTRICAL ROOMS. SCHEDULES SHALL BE SET USING BUILDING BMS, AND OVERRIDE SWITCHES SHALL BE LOCATED AT RECEPTION DESKS IN EACH HALF OF THE BUILDING. SEE E02 FOR LIGHTING CONTROL RISER AND SCHEDULES.

KEYNOTES

APPLIES TO THIS DRAWING

1. LIGHTS IN THIS AREA SHALL BE CONTROLLED BY LOCAL SWITCHES IN ADDITION TO LCP RELAYS. SEE DETAILS ON E02.



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

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SECOND FLOOR PLAN - LIGHTING - PART H

E2.2.8.1

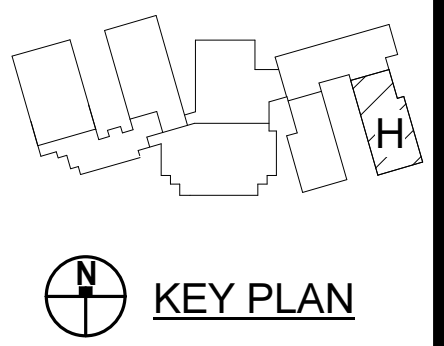
SECOND FLOOR PLAN - LIGHTING - PART H
 1/8" = 1'-0"

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SECOND FLOOR PLAN - POWER - PART H

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL

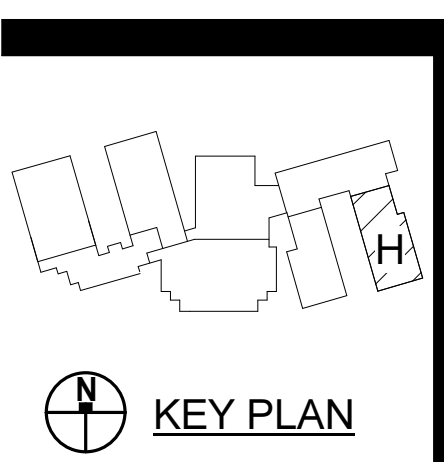
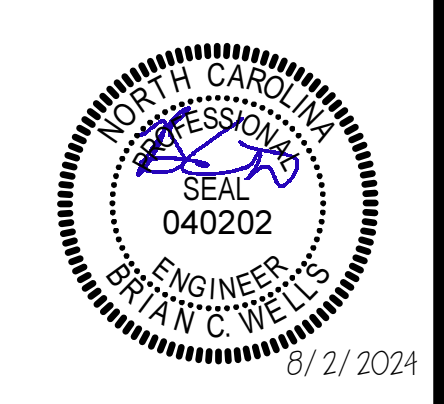
Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	831310
DATE:	AUGUST 2, 2024
REVISIONS	
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SECOND FLOOR PLAN - POWER - PART H

SECOND FLOOR PLAN - COMMUNICATIONS - PART H

1/8" = 1'-0"



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	831310
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SECOND FLOOR PLAN -
 COMMUNICATIONS -
 PART H

E2.2.8.3

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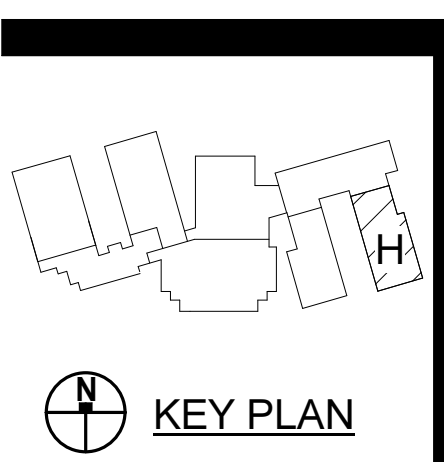
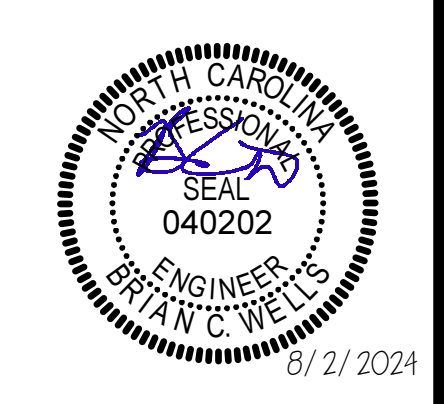
SECOND FLOOR PLAN - MECHANICAL POWER - PART H

1/8" = 1'-0"



DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.2.8.4									
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AHU-H-21	480 V	3	9.3 KVA	H2H	7,9,11	(4) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
AHU-H-22	277 V	1	1.8 KVA	H2H	6	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
AHU-H-23	480 V	3	11.7 KVA	H2H	10,12,14	(4) #10, (1) #10 E.G. IN 3/4" C	BY DIV 23		
BC-H-2	120 V	1	0.5 KVA	EL2H	1	(2) #12, (1) #12 E.G. IN 3/4" C	N/A		
FCU-H-21	277 V	1	0.2 KVA	H2H	13	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
FCU-H-22	277 V	1	0.2 KVA	H2H	15	(2) #12, (1) #12 E.G. IN 3/4" C	BY DIV 23		
SSI-H-21	208 V	2	0.1 KVA	EL2H	2,4	(2) #12, (1) #12 E.G. IN 3/4" C	IMOTOR RATED SWITCH	FED FROM OUTDOOR UNIT	

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SECOND FLOOR PLAN -
 MECHANICAL POWER -
 PART H

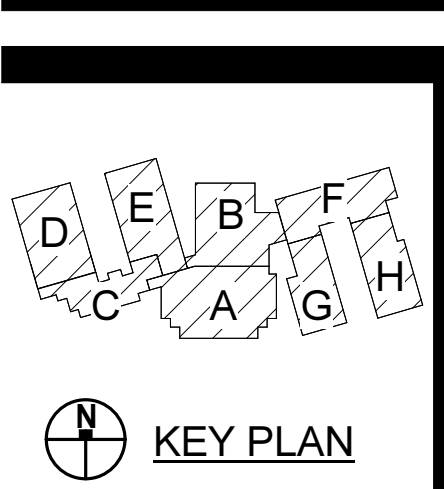
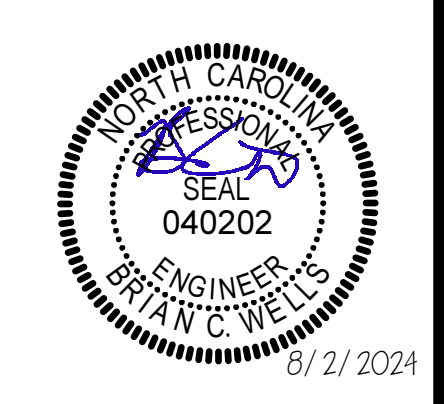
E2.2.8.4

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E2.3

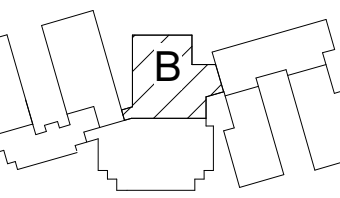
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
F-A-11	120 V	1	0.2 KVA	ELA	24	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-A-12	120 V	1	0.2 KVA	LBR	2	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-A-21	480 V	3	4.0 KVA	EHA	32,34,36	(3)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-B-11	480 V	3	6.5 KVA	EHA	31,33,35	(3)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-B-12	480 V	3	4.0 KVA	EHBR	31,33,35	(3)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-B-13	208 V	2	1.8 KVA	ELBR	30,32	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-B-14	120 V	1	0.4 KVA	LBR	4	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-B-15	208 V	2	1.8 KVA	LBR	3,5	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-B-16	120 V	1	0.3 KVA	LA	26	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-B-17	120 V	1	0.3 KVA	LK	4	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-D-11	120 V	1	0.4 KVA	LD	34	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-D-12	120 V	1	0.4 KVA	LD	36	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-D-13	120 V	1	0.4 KVA	LD	37	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-D-14	120 V	1	0.4 KVA	LD	38	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-D-15	120 V	1	0.1 KVA	LD	39	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-D-21	120 V	1	0.4 KVA	L2D	36	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-D-22	120 V	1	0.4 KVA	L2D	37	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-D-23	120 V	1	0.4 KVA	L2D	38	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-DH-1	120 V	1	0.2 KVA	LK	6	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	ROUTE THROUGH HOOD CONTROLS
F-DH-2	120 V	1	0.2 KVA	LK	8	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	ROUTE THROUGH HOOD CONTROLS
F-E-5	120 V	1	0.4 KVA	LZE	40	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-6	120 V	1	0.4 KVA	LZE	41	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-7	120 V	1	0.4 KVA	LZE	42	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-8	120 V	1	0.4 KVA	LZE	39	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-11	120 V	1	0.4 KVA	LE	35	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-12	120 V	1	0.4 KVA	LE	36	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-13	120 V	1	0.4 KVA	LE	37	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-14	120 V	1	0.4 KVA	LE	38	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-E-15	120 V	1	0.1 KVA	LE	39	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	PROVIDE RED MOTOR RATED SWITCH LABELED EMERGENCY ADJACENT TO LIGHT SWITCH IN ROOM
F-F-11	208 V	2	1.8 KVA	LBR	6,8	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-F-12	208 V	2	1.8 KVA	LBR	7,9	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-F-13	208 V	2	0.6 KVA	LBR	10,12	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-F-14	208 V	2	0.6 KVA	LBR	11,13	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-F-15	120 V	1	0.3 KVA	LBR	22	(2)#12, (1)#12 E.G. IN 3/4"	BY DIV 23	
F-KH1	480 V	3	2.8 KVA	HK	29,31,33	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	ROUTE THROUGH HOOD CONTROLS
F-KH2	480 V	3	2.8 KVA	HK	30,32,34	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	ROUTE THROUGH HOOD CONTROLS
HP-1	480 V	3	6.7 KVA	EHA	38,40,42	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
HP-2	480 V	3	6.7 KVA	EHA	37,39,41	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
HP-3	208 V	2	2.5 KVA	ELBR	39,41	(3)#10, (1)#10 E.G. IN 3/4"	30ANF NEMA 3R	
HP-4	480 V	3	5.3 KVA	EHBR	32,34,36	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
HP-5	480 V	3	5.3 KVA	EHBR	37,39,41	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
HP-6	480 V	3	6.7 KVA	EHBR	38,40,42	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
HP-7	208 V	2	2.5 KVA	ELBR	42,44	(3)#10, (1)#10 E.G. IN 3/4"	30ANF NEMA 3R	
MAU-1	480 V	3	3.4 KVA	HK	35,37,39	(3)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	ROUTE THROUGH HOOD CONTROLS
SSO-A-11	208 V	2	1.8 KVA	ELA	15,17	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-A-12	208 V	2	4.2 KVA	ELA	16,18	(2)#10, (1)#10 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-A-13	208 V	2	1.8 KVA	ELA	19,21	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-D-11	208 V	2	1.8 KVA	ELD	9,11	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-D-21	208 V	2	1.8 KVA	ELD2	8,10	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-E-11	208 V	2	1.8 KVA	ELE	5,7	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-E-21	208 V	2	1.8 KVA	EL2E	7,9	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-F-11	208 V	2	1.8 KVA	ELBR	22,24	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-G-11	208 V	2	1.8 KVA	ELG	8,10	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-G-21	208 V	2	1.8 KVA	EL2G	2,4	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-H-11	208 V	2	1.8 KVA	ELH	7,9	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	
SSO-H-21	208 V	2	1.8 KVA	EL2H	2,4	(2)#12, (1)#12 E.G. IN 3/4"	30ANF NEMA 3R	



ROOF PLAN - MECHANICAL POWER
1/32" = 1'-0"



PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS:	
DATE:	
DESCRIPTION:	



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS:	
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DESCRIPTION:	

ENLARGED KITCHEN
PLAN

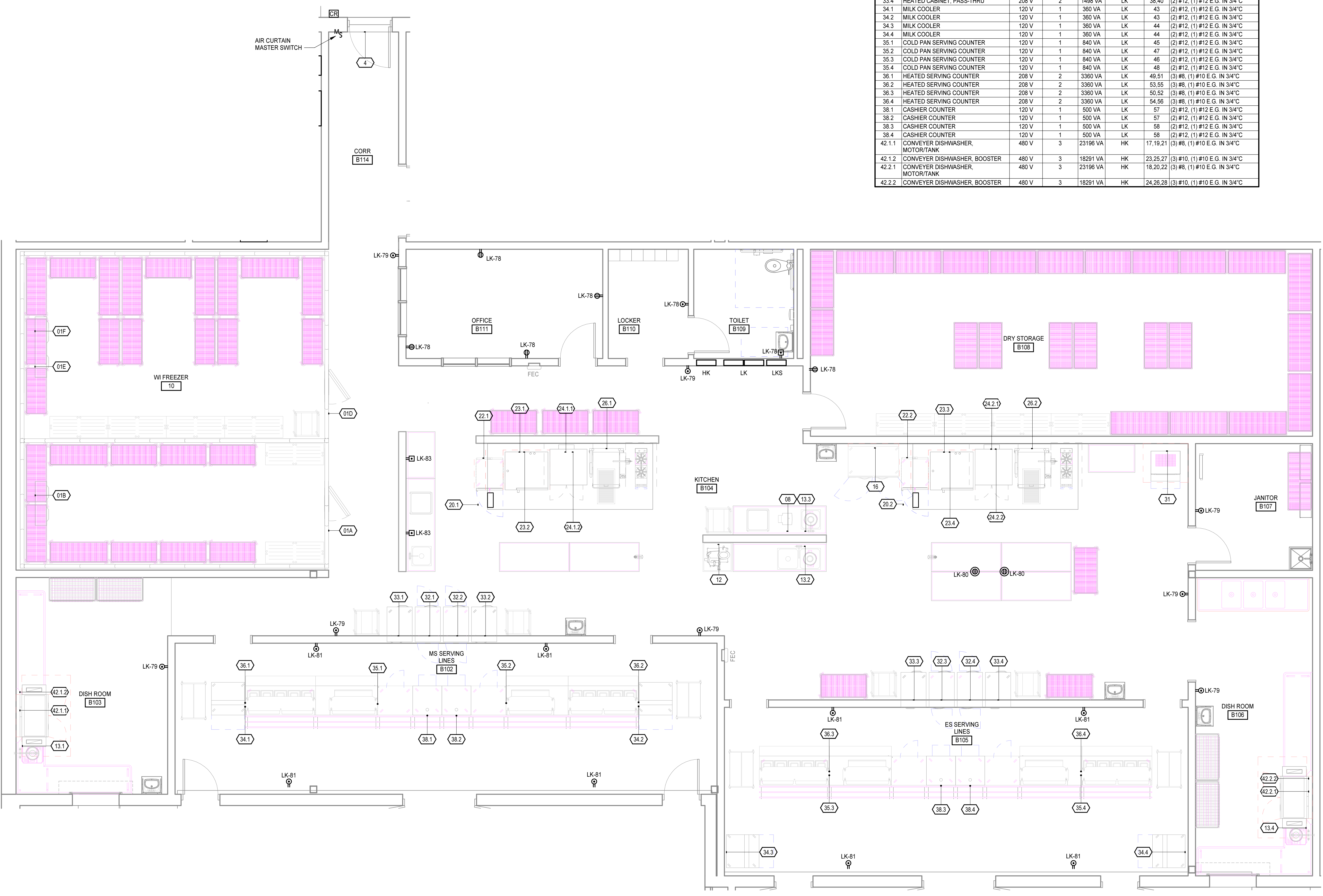
E3.1

GENERAL NOTES

- A. PROVIDE GFCI RECEPTACLE OR BREAKER FOR ALL 120V, 20A PLUG AND CORD EQUIPMENT. REFER TO FS SERIES DRAWINGS AND FINAL EQUIPMENT SUBMITTAL FOR CONNECTION TYPE PRIOR TO RECEPTACLE/BREAKER INSTALLATION. BRING ANY DISCREPANCIES TO THE ENGINEER'S ATTENTION.
- B. REFER TO FS SERIES DRAWINGS FOR ALL MOUNTING HEIGHTS AND INSTALLATION REQUIREMENTS.
- C. REFER TO CAPTIVE AIRE DRAWINGS FOR HOOD CONNECTION REQUIREMENTS.

KITCHEN EQUIPMENT SCHEDULE

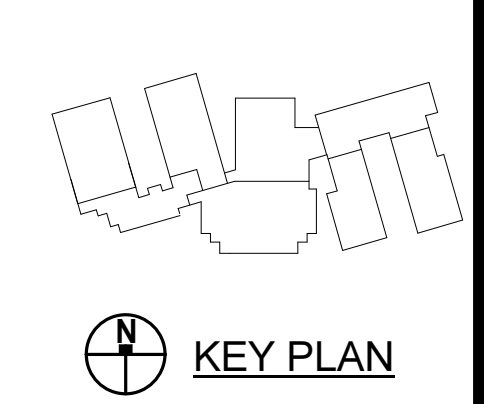
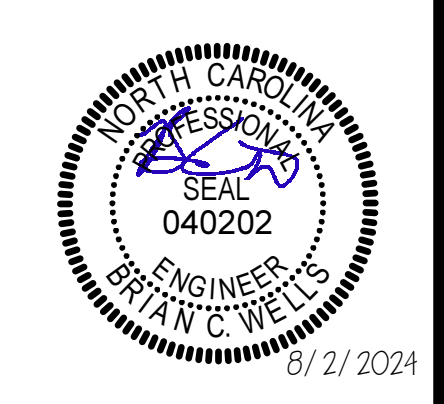
ITEM #	DESCRIPTION	VOLTAGE	# OF POLES	LOAD	PANEL	CKT #	WIRE
01A	COOLER LIGHTS	120 V	1	500 VA	LK	65	(2) #12, (1) #12 E.G. IN 3/4"
01B	COOLER EVAPORATOR	120 V	1	240 VA	LK	67	(2) #12, (1) #12 E.G. IN 3/4"
01C	COOLER CONDENSING UNIT	208 V	3	4150 VA	LK	66,68,70	(3) #12, (1) #12 E.G. IN 3/4"
01D	FREEZER LIGHTS	120 V	1	800 VA	LK	69	(2) #12, (1) #12 E.G. IN 3/4"
01E	FREEZER DEFROST HEATER	208 V	2	3973 VA	LK	71,73	(2) #10, (1) #10 E.G. IN 3/4"
01F	FREEZER EVAPORATOR	208 V	2	624 VA	LK	75,77	(2) #12, (1) #12 E.G. IN 3/4"
01G	FREEZER CONDENSING UNIT	208 V	3	8610 VA	LK	72,74,76	(3) #8, (1) #10 E.G. IN 1"
4	AIR CURTAIN	120 V	1	528 VA	LK	19	(2) #12, (1) #12 E.G. IN 3/4"
08	FOOD PROCESSOR	120 V	1	1440 VA	LK	23	(2) #12, (1) #12 E.G. IN 3/4"
12	SLICER, ELECTRIC	120 V	1	480 VA	LK	21	(2) #12, (1) #12 E.G. IN 3/4"
13.1	DISPOSER	208 V	3	2162 VA	LK	59,61,63	(3) #12, (1) #12 E.G. IN 3/4"
13.2	DISPOSER	208 V	3	2162 VA	LK	25,27,29	(3) #12, (1) #12 E.G. IN 3/4"
13.3	DISPOSER	208 V	3	2162 VA	LK	28,28,30	(3) #12, (1) #12 E.G. IN 3/4"
13.4	DISPOSER	208 V	3	2162 VA	LK	60,62,64	(3) #12, (1) #12 E.G. IN 3/4"
16	REFRIGERATOR, REACH-IN	120 V	1	900 VA	LK	20	(2) #12, (1) #12 E.G. IN 3/4"
20.1	HOOD 1 - LTS AND CTRL	120 V	1	360 VA	LK	1	(2) #12, (1) #12 E.G. IN 3/4"
20.2	HOOD 2 - LTS AND CTRL	120 V	1	360 VA	LK	2	(2) #12, (1) #12 E.G. IN 3/4"
22.1	MOBILE HEATED CABINET	120 V	1	2292 VA	LKS	1	(2) #12, (1) #12 E.G. IN 3/4"
22.2	MOBILE HEATED CABINET	120 V	1	2292 VA	LKS	2	(2) #12, (1) #12 E.G. IN 3/4"
23.1	COMBI STEAMER, HI	480 V	3	19372 VA	HK	1,3,5	(3) #8, (1) #10 E.G. IN 3/4"
23.2	COMBI STEAMER, LO	480 V	3	19372 VA	HK	8,11,13	(3) #8, (1) #10 E.G. IN 3/4"
23.3	COMBI STEAMER, HI	480 V	3	19372 VA	HK	2,4,6	(3) #8, (1) #10 E.G. IN 3/4"
23.4	COMBI STEAMER, LO	480 V	3	19372 VA	HK	10,12,14	(3) #8, (1) #10 E.G. IN 3/4"
24.1.1	CONVECTION OVEN HI	120 V	1	960 VA	LKS	3	(2) #12, (1) #12 E.G. IN 3/4"
24.1.2	CONVECTION OVEN LO	120 V	1	960 VA	LKS	5	(2) #12, (1) #12 E.G. IN 3/4"
24.2.1	CONVECTION OVEN HI	120 V	1	960 VA	LKS	4	(2) #12, (1) #12 E.G. IN 3/4"
24.2.2	CONVECTION OVEN LO	120 V	1	960 VA	LKS	6	(2) #12, (1) #12 E.G. IN 3/4"
26.1	TILT SKILLET	120 V	1	188 VA	LKS	7	(2) #12, (1) #12 E.G. IN 3/4"
26.2	TILT SKILLET	120 V	1	188 VA	LKS	8	(2) #12, (1) #12 E.G. IN 3/4"
31	ICE MAKER, CUBE STYLE	208 V	2	1110 VA	LK	22,24	(2) #12, (1) #12 E.G. IN 3/4"
32.1	REFRIGERATOR, PASS-THRU	120 V	1	624 VA	LK	35	(2) #12, (1) #12 E.G. IN 3/4"
32.2	REFRIGERATOR, PASS-THRU	120 V	1	624 VA	LK	35	(2) #12, (1) #12 E.G. IN 3/4"
32.3	REFRIGERATOR, PASS-THRU	120 V	1	624 VA	LK	36	(2) #12, (1) #12 E.G. IN 3/4"
32.4	REFRIGERATOR, PASS-THRU	120 V	1	624 VA	LK	36	(2) #12, (1) #12 E.G. IN 3/4"
33.1	HEATED CABINET, PASS-THRU	208 V	2	1498 VA	LK	31,33	(2) #12, (1) #12 E.G. IN 3/4"
33.2	HEATED CABINET, PASS-THRU	208 V	2	1498 VA	LK	37,39	(2) #12, (1) #12 E.G. IN 3/4"
33.3	HEATED CABINET, PASS-THRU	208 V	2	1498 VA	LK	32,34	(2) #12, (1) #12 E.G. IN 3/4"
33.4	HEATED CABINET, PASS-THRU	208 V	2	1498 VA	LK	38,40	(2) #12, (1) #12 E.G. IN 3/4"
34.1	MILK COOLER	120 V	1	360 VA	LK	43	(2) #12, (1) #12 E.G. IN 3/4"
34.2	MILK COOLER	120 V	1	360 VA	LK	43	(2) #12, (1) #12 E.G. IN 3/4"
34.3	MILK COOLER	120 V	1	360 VA	LK	44	(2) #12, (1) #12 E.G. IN 3/4"
34.4	MILK COOLER	120 V	1	360 VA	LK	44	(2) #12, (1) #12 E.G. IN 3/4"
35.1	COLD PAN SERVING COUNTER	120 V	1	840 VA	LK	45	(2) #12, (1) #12 E.G. IN 3/4"
35.2	COLD PAN SERVING COUNTER	120 V	1	840 VA	LK	47	(2) #12, (1) #12 E.G. IN 3/4"
35.3	COLD PAN SERVING COUNTER	120 V	1	840 VA	LK	46	(2) #12, (1) #12 E.G. IN 3/4"
35.4	COLD PAN SERVING COUNTER	120 V	1	840 VA	LK	48	(2) #12, (1) #12 E.G. IN 3/4"
36.1	HEATED SERVING COUNTER	208 V	2	3360 VA	LK	49,51	(3) #8, (1) #10 E.G. IN 3/4"
36.2	HEATED SERVING COUNTER	208 V	2	3360 VA	LK	53,55	(3) #8, (1) #10 E.G. IN 3/4"
36.3	HEATED SERVING COUNTER	208 V	2	3360 VA	LK	50,52	(3) #8, (1) #10 E.G. IN 3/4"
36.4	HEATED SERVING COUNTER	208 V	2	3360 VA	LK	54,56	(3) #8, (1) #10 E.G. IN 3/4"
38.1	CASHIER COUNTER	120 V	1	500 VA	LK	57	(2) #12, (1) #12 E.G. IN 3/4"
38.2	CASHIER COUNTER	120 V	1	500 VA	LK	57	(2) #12, (1) #12 E.G. IN 3/4"
38.3	CASHIER COUNTER	120 V	1	500 VA	LK	58	(2) #12, (1) #12 E.G. IN 3/4"
38.4	CASHIER COUNTER	120 V	1	500 VA	LK	58	(2) #12, (1) #12 E.G. IN 3/4"
42.1.1	CONVEYER DISHWASHER, MOTOR/TANK	480 V	3	23196 VA	HK	17,19,21	(3) #8, (1) #10 E.G. IN 3/4"
42.1.2	CONVEYER DISHWASHER, BOOSTER	480 V	3	18291 VA	HK	23,25,27	(3) #10, (1) #10 E.G. IN 3/4"
42.2.1	CONVEYER DISHWASHER, MOTOR/TANK	480 V	3	23196 VA	HK	18,20,22	(3) #8, (1) #10 E.G. IN 3/4"
42.2.2	CONVEYER DISHWASHER, BOOSTER	480 V	3	18291 VA	HK	24,26,28	(3) #10, (1) #10 E.G. IN 3/4"



ENLARGED KITCHEN PLAN

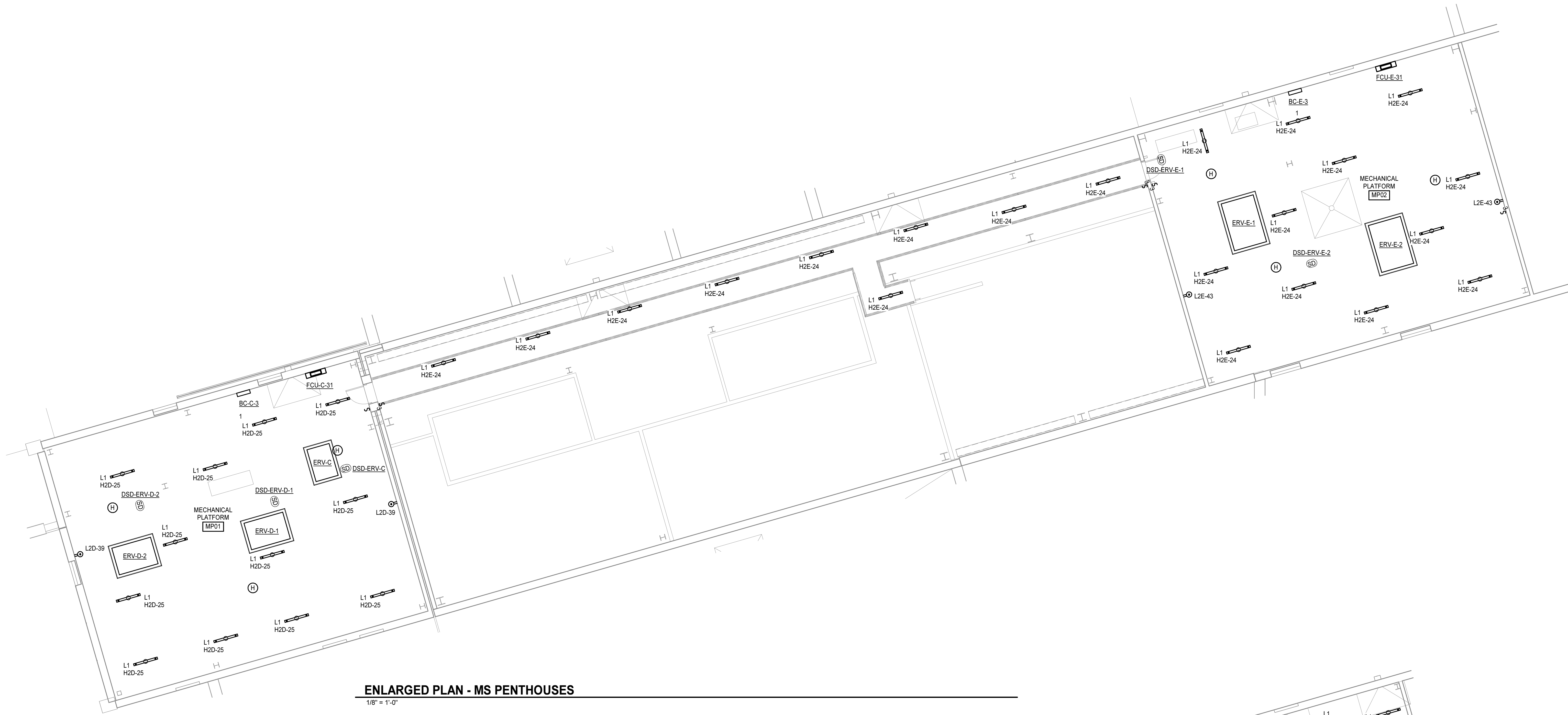
1/4" = 1'-0"

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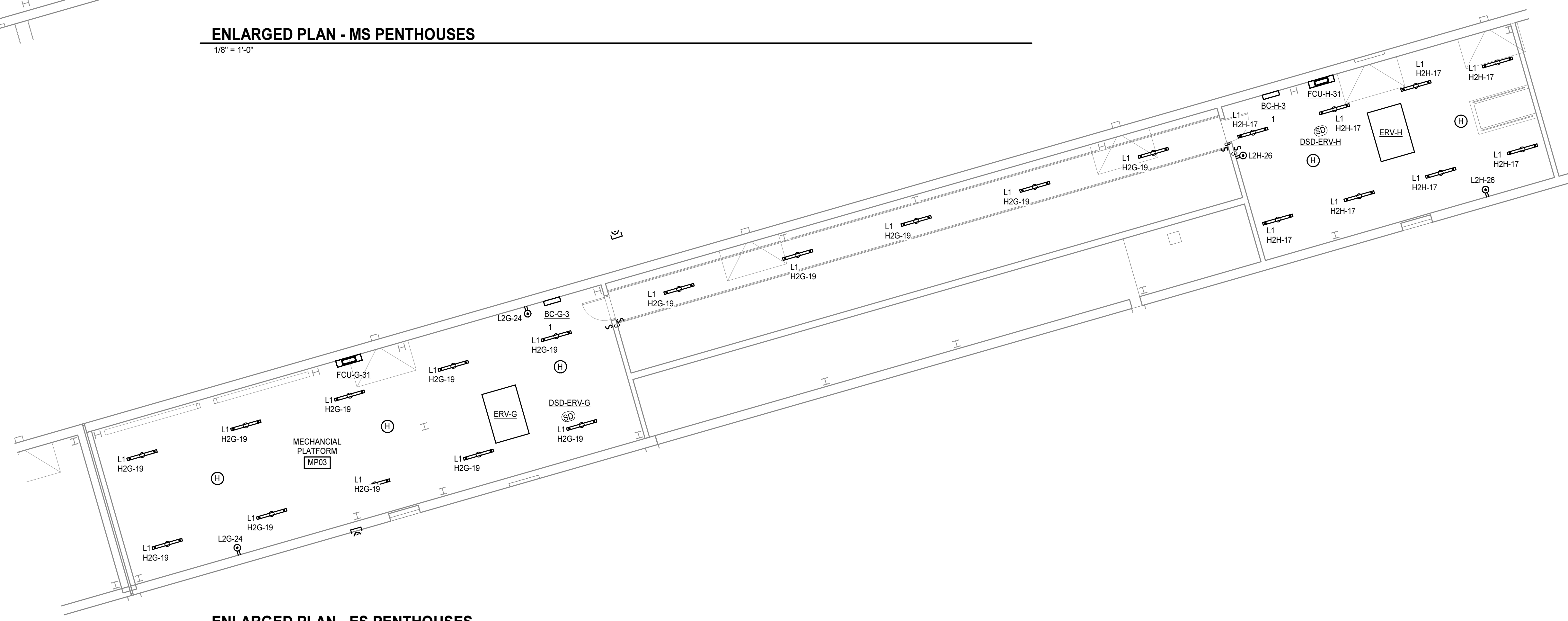


DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E3.2

TAG	VOLTAGE	#	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
BC-C-3	120 V	1	0.5 KVA	EL2D	9	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-E-3	120 V	1	0.5 KVA	EL2E	10	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-G-3	120 V	1	0.5 KVA	ELBR	29	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-H-3	120 V	1	0.5 KVA	EL2H	3	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
ERV-C	480 V	3	8.9 KVA	H2D	18,18,20	(4) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
ERV-D-1	480 V	3	13.1 KVA	H2D	19,21,23	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-D-2	480 V	3	13.1 KVA	H2D	22,24,26	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-E-1	480 V	3	13.1 KVA	H2E	18,20,22	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-E-2	480 V	3	13.1 KVA	H2E	19,21,23	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-G	480 V	3	13.1 KVA	H2G	18,20,22	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-H	480 V	3	13.1 KVA	H2H	18,18,20	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
FCU-G-31	277 V	1	0.2 KVA	H2D	27	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-E-31	277 V	1	0.2 KVA	H2E	25	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-G-31	277 V	1	0.2 KVA	H2G	21	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-H-31	277 V	1	0.2 KVA	H2H	19	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	



ENLARGED PLAN - MS PENTHOUSES
 1/8" = 1'-0"

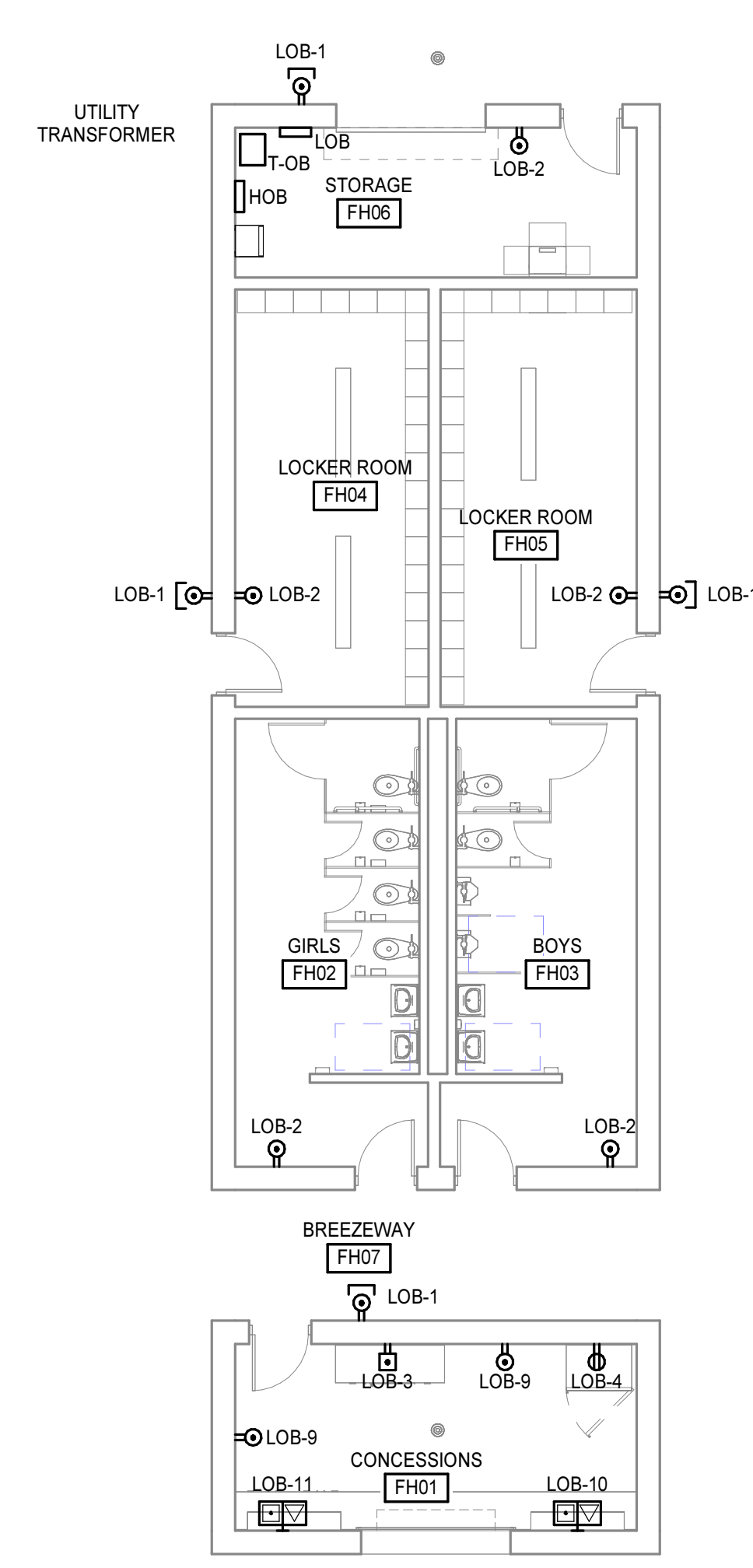


ENLARGED PLAN - ES PENTHOUSES
 1/8" = 1'-0"

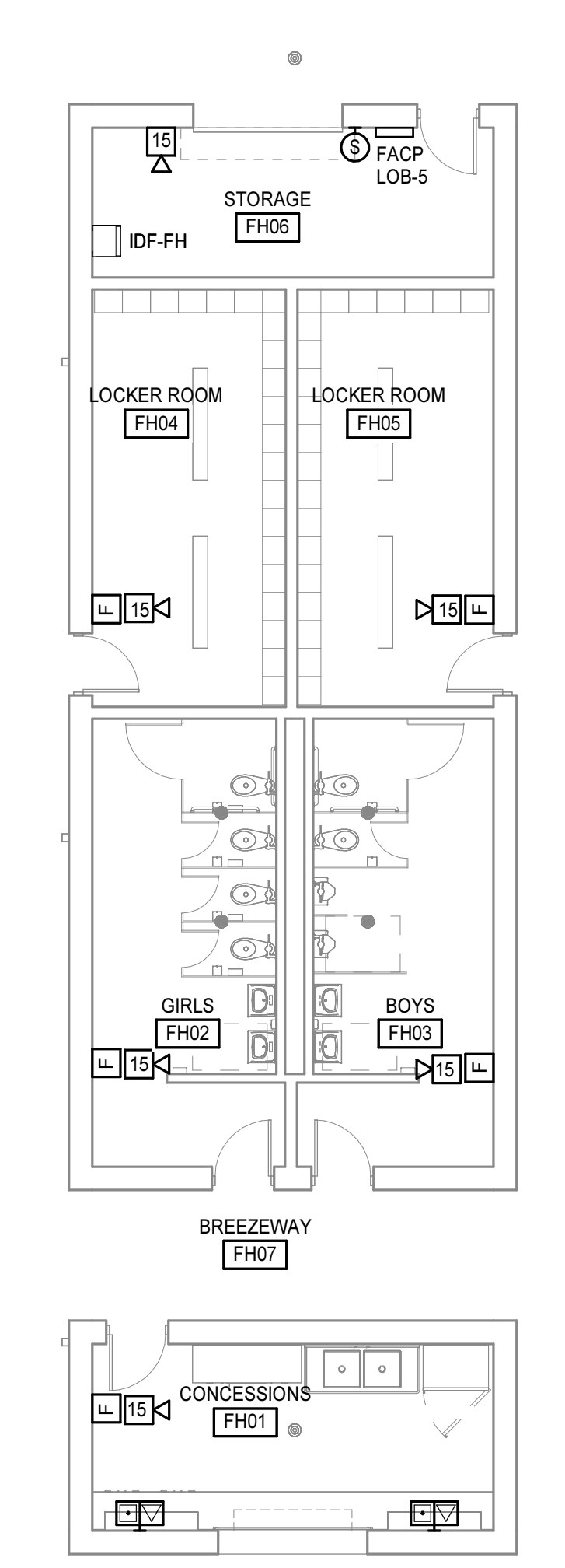
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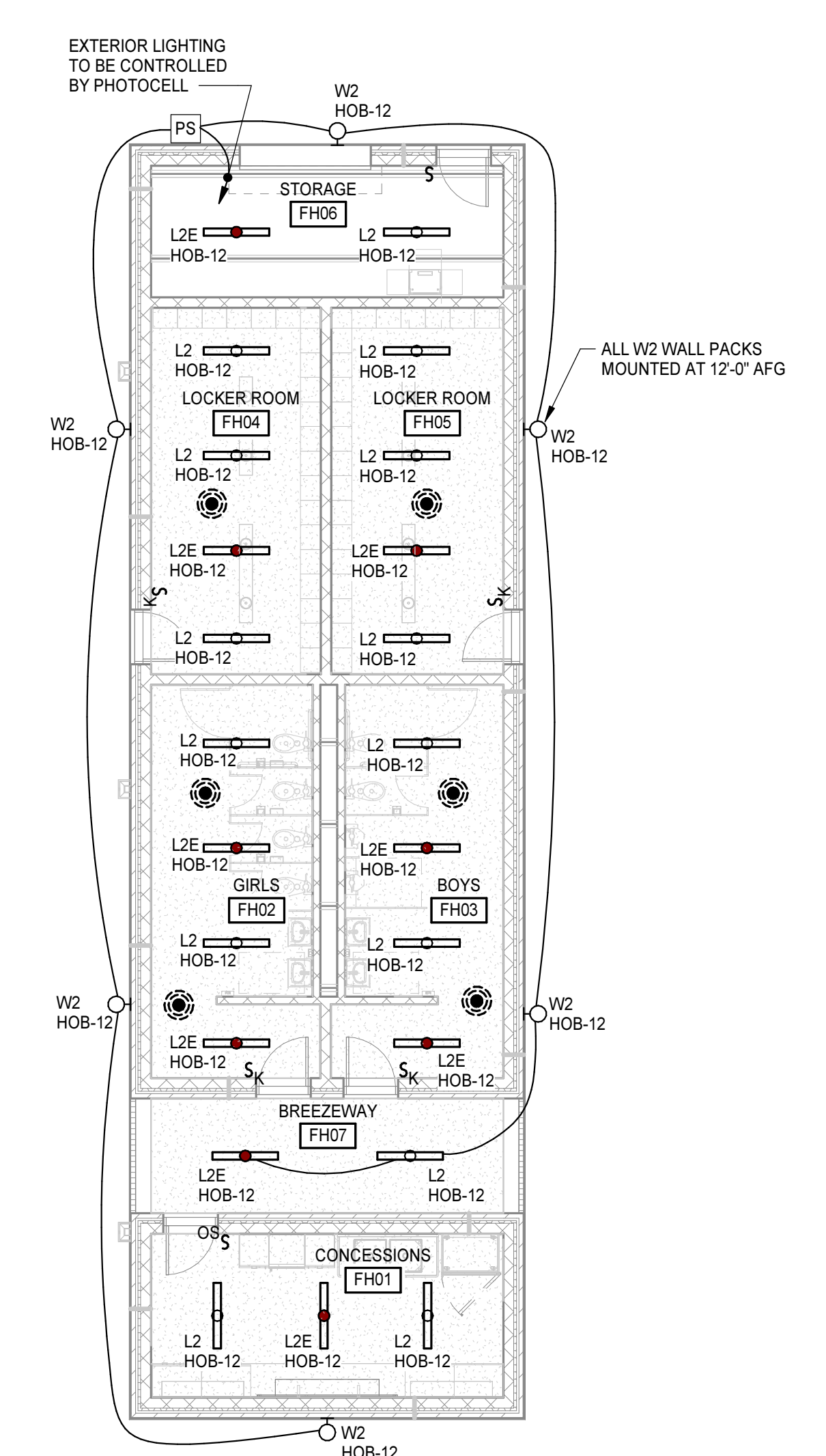
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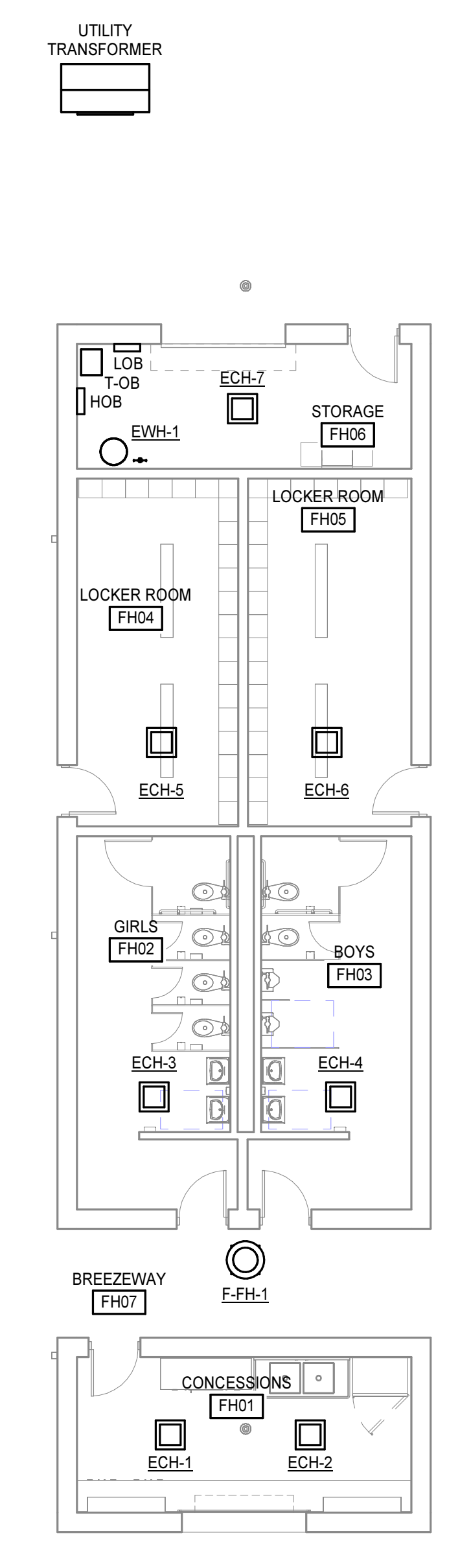
FIRST FLOOR PLAN - POWER - FIELD HOUSE
1/8" = 1'-0"



FIRST FLOOR PLAN - COMMUNICATIONS - FIELD HOUSE
1/8" = 1'-0"



FIRST FLOOR PLAN - LIGHTING - FIELD HOUSE
1/8" = 1'-0"

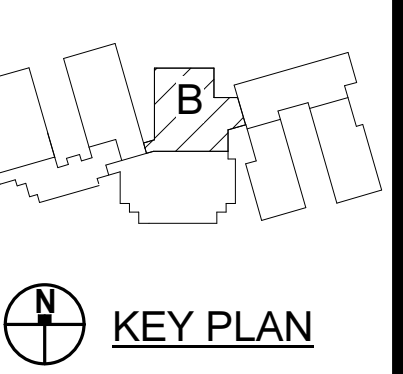


FIRST FLOOR PLAN - MECHANICAL POWER - FIELD HOUSE
1/8" = 1'-0"

DIV 22 & 23 ELECTRICAL CONNECTION SCHEDULE E3.3

TAG	VOLTAGE	#	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
BC-G-3	120 V	1	0.5 KVA	ELD0	9	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-E-3	120 V	1	0.5 KVA	ELZE	10	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-G-3	120 V	1	0.5 KVA	ELBR	29	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
BC-H-3	120 V	1	0.5 KVA	ELZH	3	(2) #12, (1) #12 E.G. IN 3/4"	N/A	
ERV-C	480 V	3	8.9 KVA	H2D	16, 18, 20	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-D-1	480 V	3	13.1 KVA	H2D	19, 21, 23	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-D-2	480 V	3	13.1 KVA	H2D	22, 24, 26	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-E-1	480 V	3	13.1 KVA	H2E	18, 20, 22	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-E-2	480 V	3	13.1 KVA	H2E	19, 21, 23	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-G	480 V	3	13.1 KVA	H2G	18, 20, 22	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
ERV-H	480 V	3	13.1 KVA	H2H	16, 18, 20	(4) #10, (1) #10 E.G. IN 3/4"	BY DIV 23	
FCU-G-31	277 V	1	0.2 KVA	H2D	27	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-E-31	277 V	1	0.2 KVA	H2E	25	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-G-31	277 V	1	0.2 KVA	H2G	21	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	
FCU-H-31	277 V	1	0.2 KVA	H2H	19	(2) #12, (1) #12 E.G. IN 3/4"	BY DIV 23	

MOSELEY ARCHITECTS
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0051
MOSELEYARCHITECTS.COM

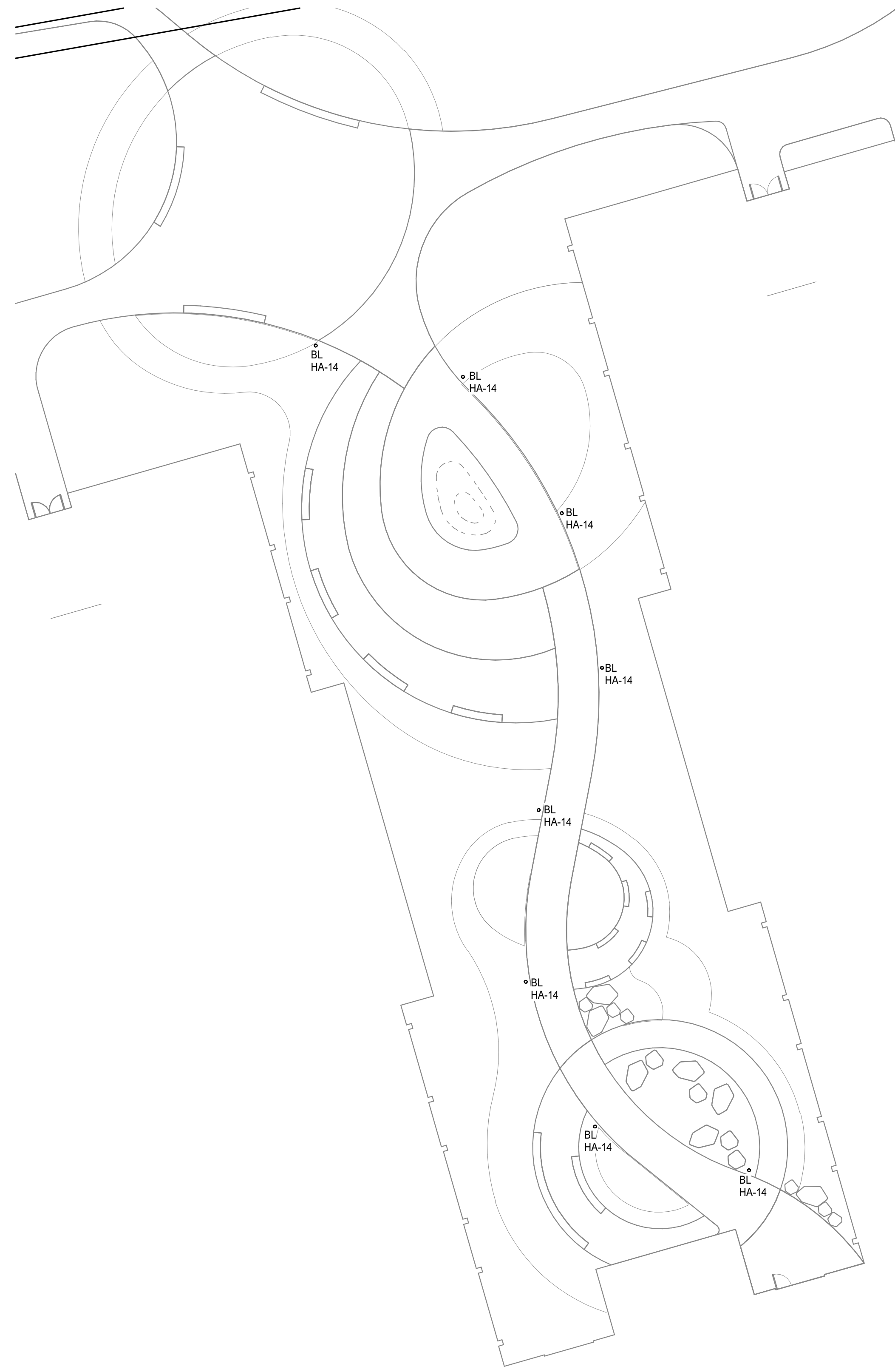


PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

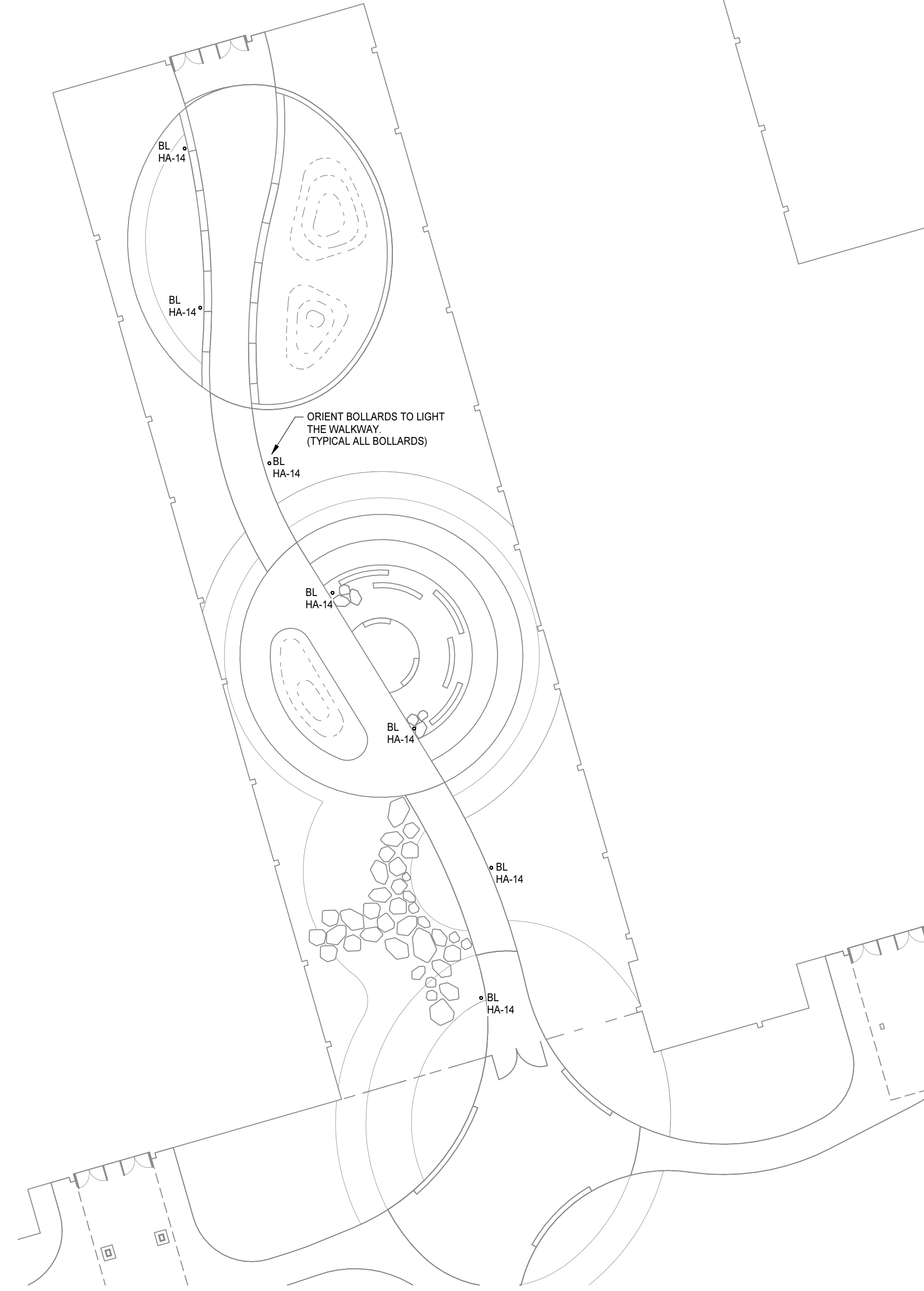
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FIELD HOUSE FLOOR PLANS

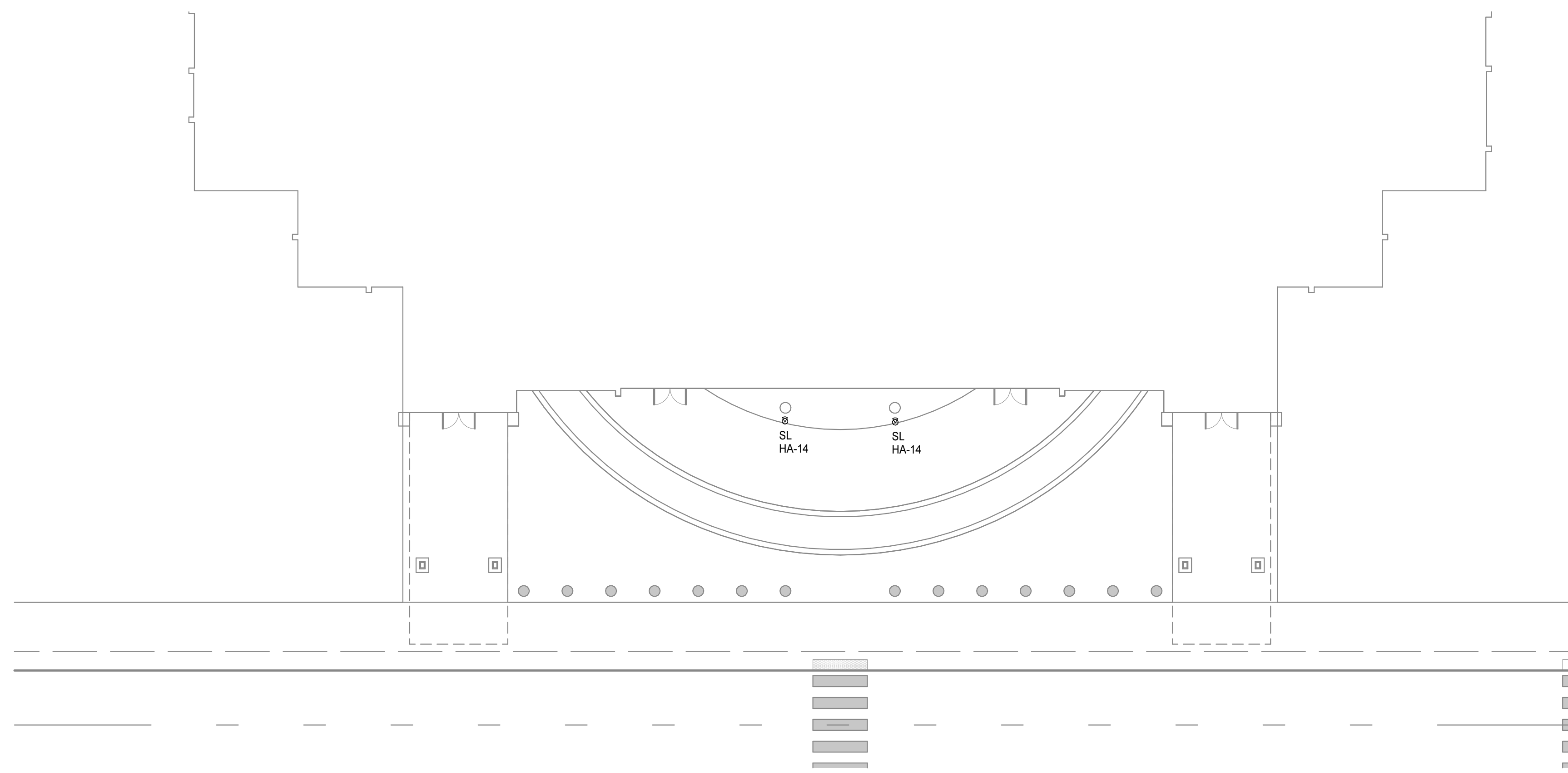
E3.3



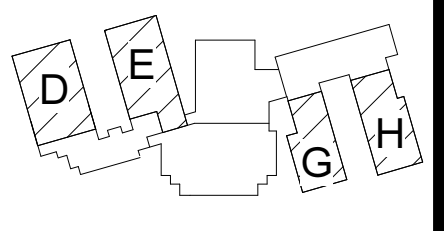
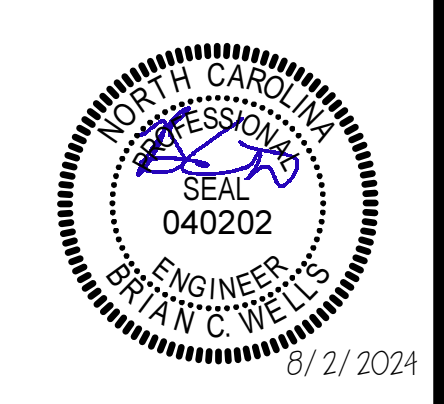
ENLARGED SITE PLAN - MS COURTYARD
1/16" = 1'-0"



ENLARGED SITE PLAN - ES COURTYARD
1/16" = 1'-0"



ENLARGED SITE PLAN - MAIN ENTRY
1/16" = 1'-0"



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
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REVISIONS	
DATE	DESCRIPTION

ENLARGED
COURTYARD PLANS -
LIGHTING

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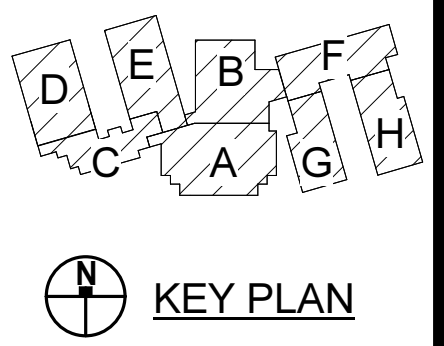
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OVERALL FIRST FLOOR PLAN - COMMUNICATION ZONES
 1" = 30'-0"

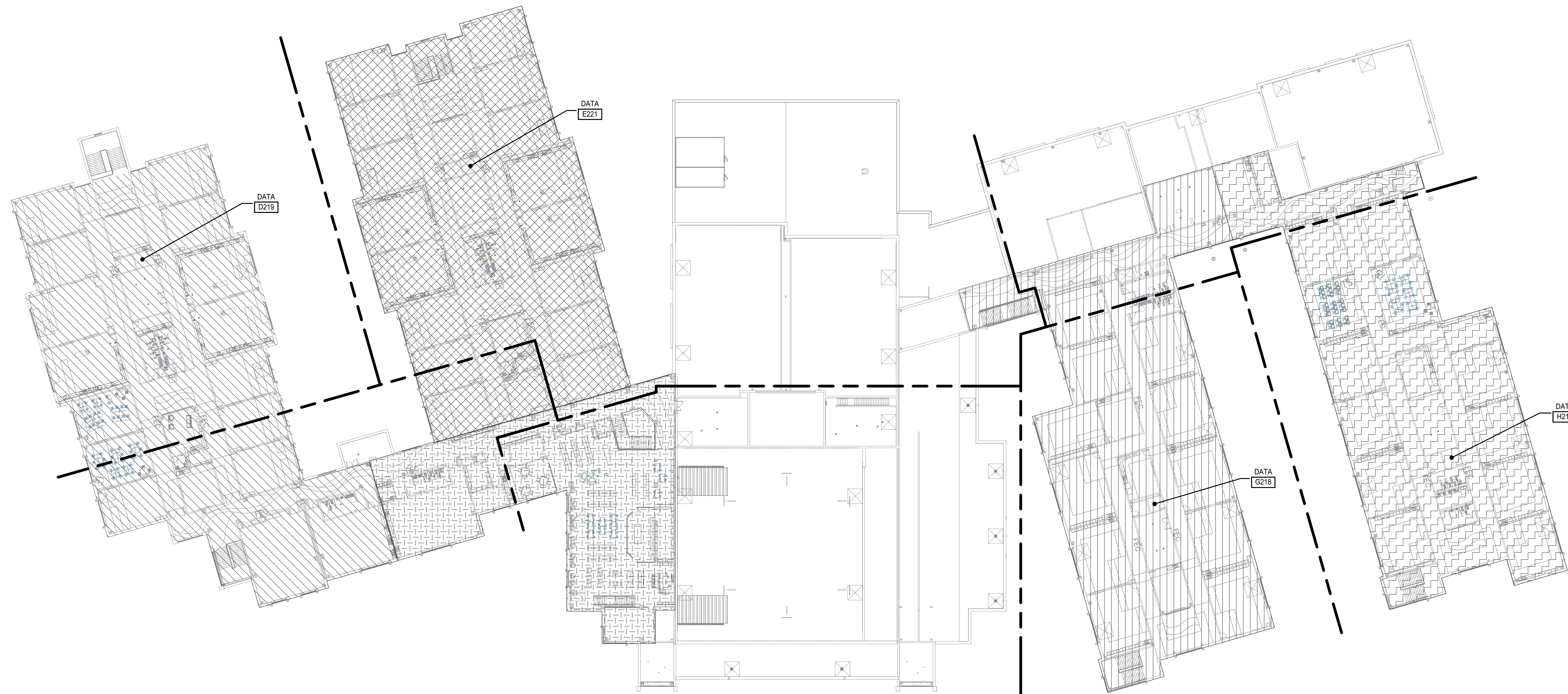
DATA ZONE KEY PLAN

	AREA C & D. ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA D112
	AREA C & E. ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA E121
	AREA A & B. ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA A135
	AREA F & G. ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA G124
	AREA F & H. ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA H129



PENDER COUNTY SCHOOLS K-8 SCHOOL
 Pender County Schools
 Highway 210, Hampstead, NC 28443

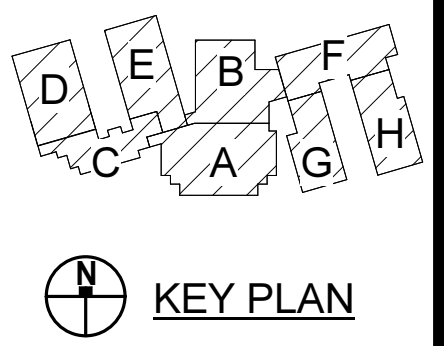
PROJECT NO:	631310
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REVISIONS	
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OVERALL SECOND FLOOR PLAN - COMMUNICATION ZONES
 1" = 30'-0"

DATA ZONE KEY PLAN

- AREA C & D: ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA D219
- AREA C & E: ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA E221
- AREA C: ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA A135
- AREA F & G: ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA G216
- AREA F & H: ALL DATA DROPS, FIRE ALARM NOTIFICATION, AND PUBLIC ADDRESS SPEAKERS SHALL BE FED FROM RACKS, CABINETS, OR PANELS LOCATED IN DATA H216



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

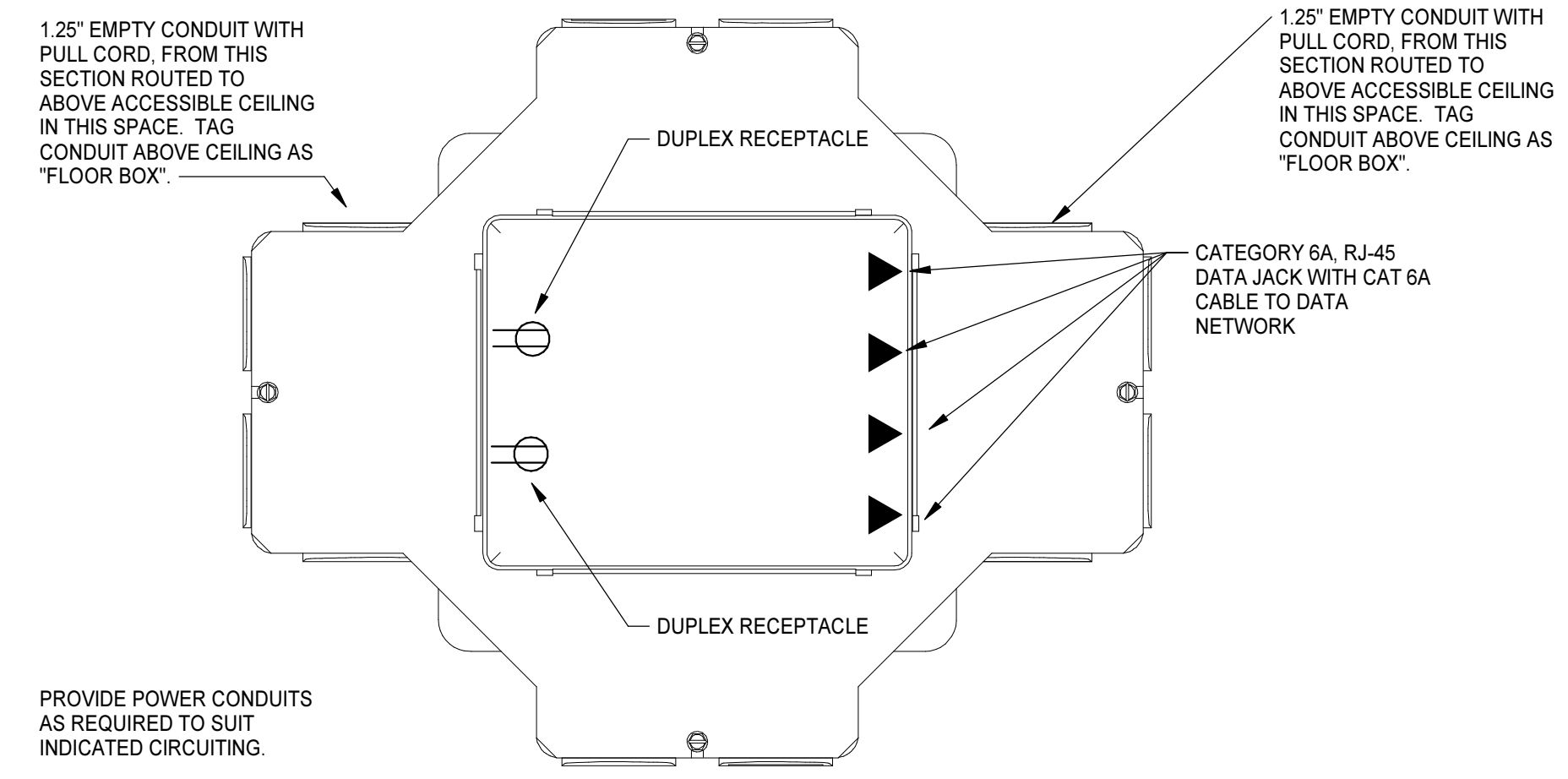
PROJECT NO:	631310
DATE:	AUGUST 2, 2024
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**PROGRESS
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 CONSTRUCTION**

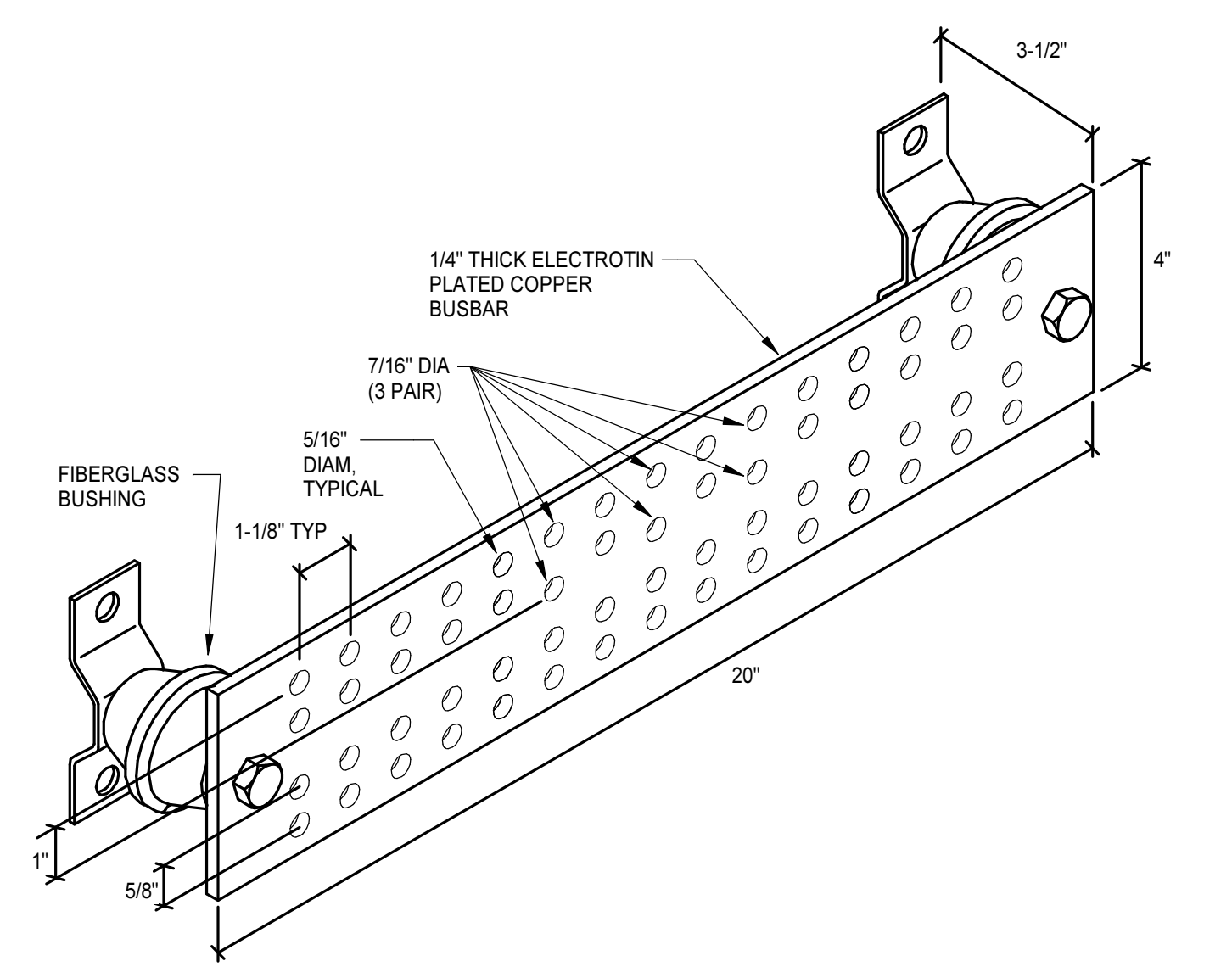
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DETAILS

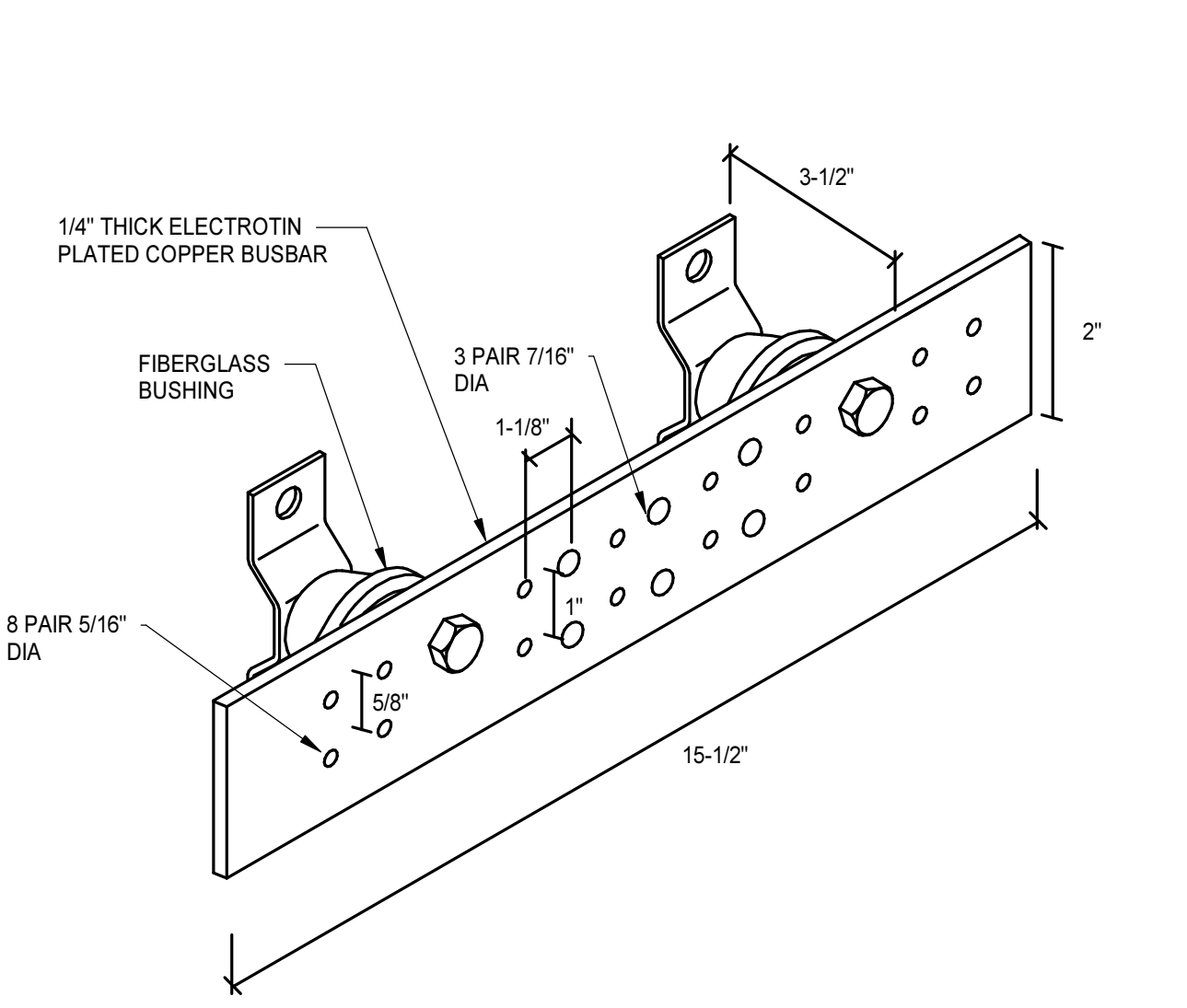
E4.1



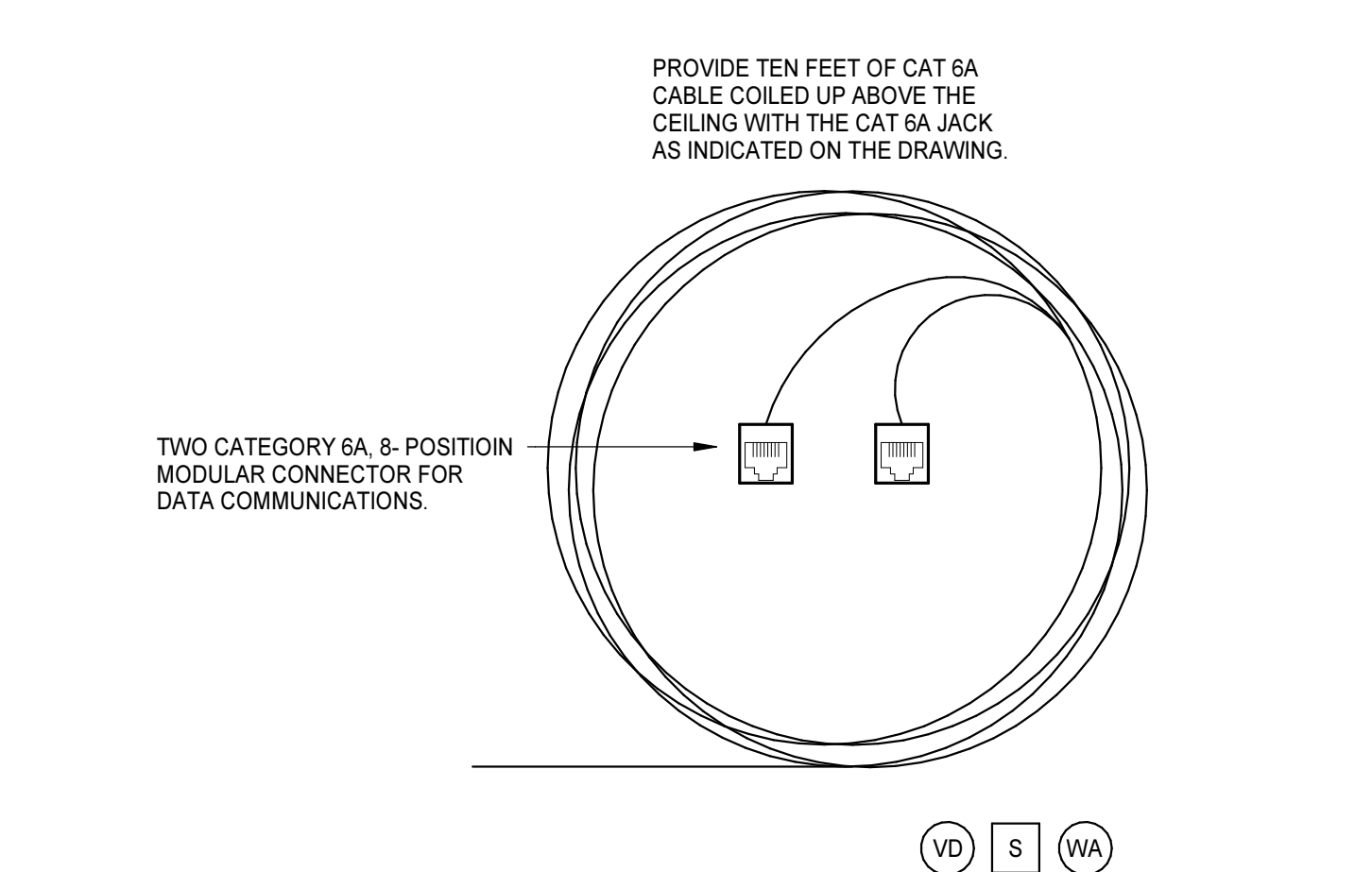
4 TELECOMMUNICATION RECESSED FLOOR BOX DETAIL - TYPE 1
 E4.1 1/8" = 1'-0"



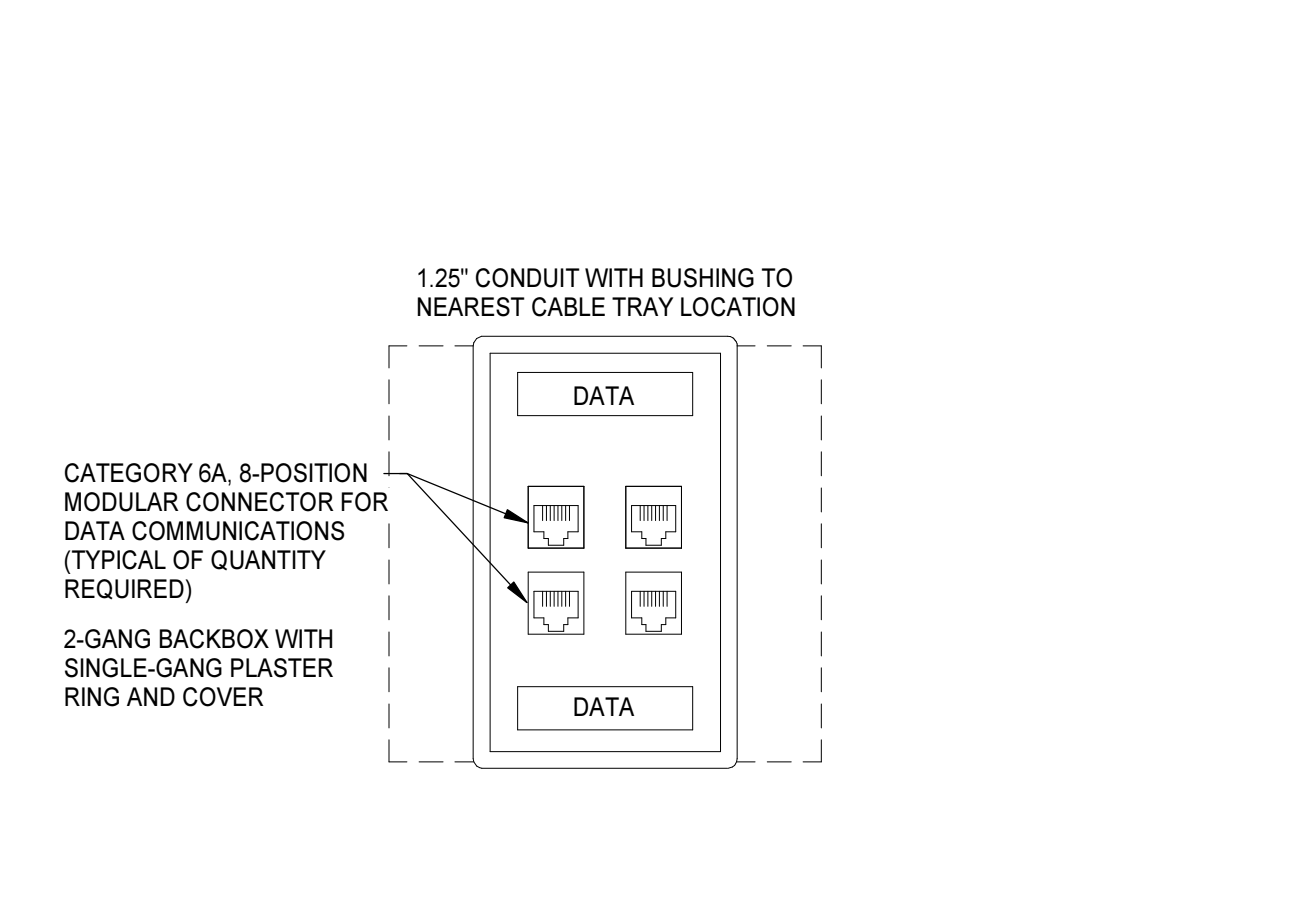
3 TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) DETAIL
 E4.1 1/8" = 1'-0"



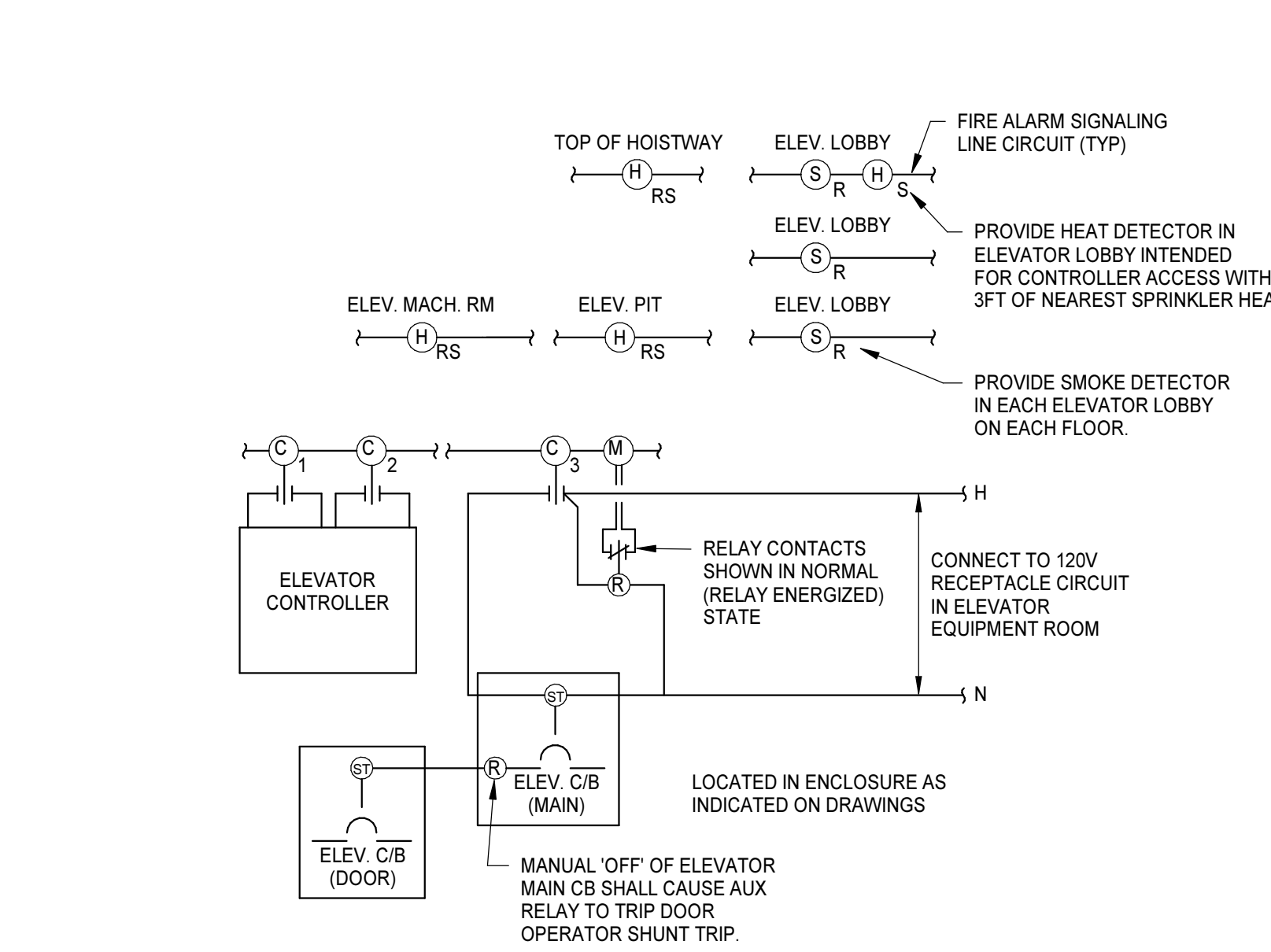
2 TELECOMMUNICATIONS GROUNDING BUSBAR (TGB) DETAIL
 E4.1 1/8" = 1'-0"



6 CEILING MOUNTED TELECOMMUNICATION DEVICE DETAIL
 E4.1 1/8" = 1'-0"



5 TELECOMMUNICATION OUTLET DETAIL
 E4.1 1/8" = 1'-0"



1 ELEVATOR DIAGRAM
 E2.1, 1.3 E4.1 1/8" = 1'-0"

LEGEND

—|— NORMALLY OPEN CONTACT

—|/— NORMALLY CLOSED CONTACT

—|/— SHUNT TRIP COIL/BREAKER (VERIFY CONTROL VOLTAGE - PROVIDE TRANSFORMER IF 24V)

—|/— FIRE ALARM ADDRESSABLE CONTROL MODULE

—|/— FIRE ALARM ADDRESSABLE MONITOR MODULE

—|/— RELAY

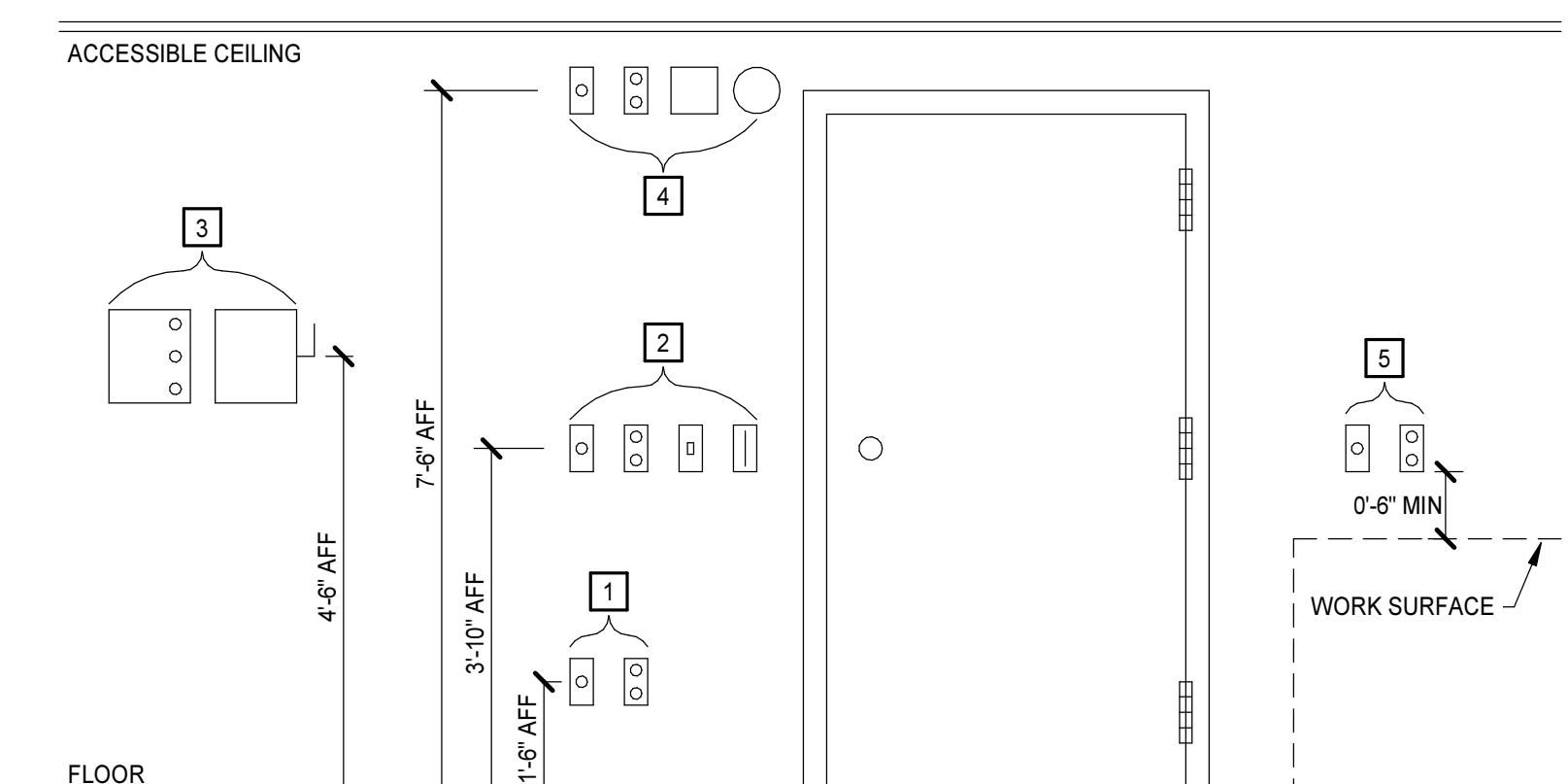
—|/— SMOKE DETECTOR SUBSCRIPTS: (R) RECALL (S) SHUNT TRIP

—|/— HEAT DETECTOR SUBSCRIPTS: (R) RECALL (S) SHUNT TRIP

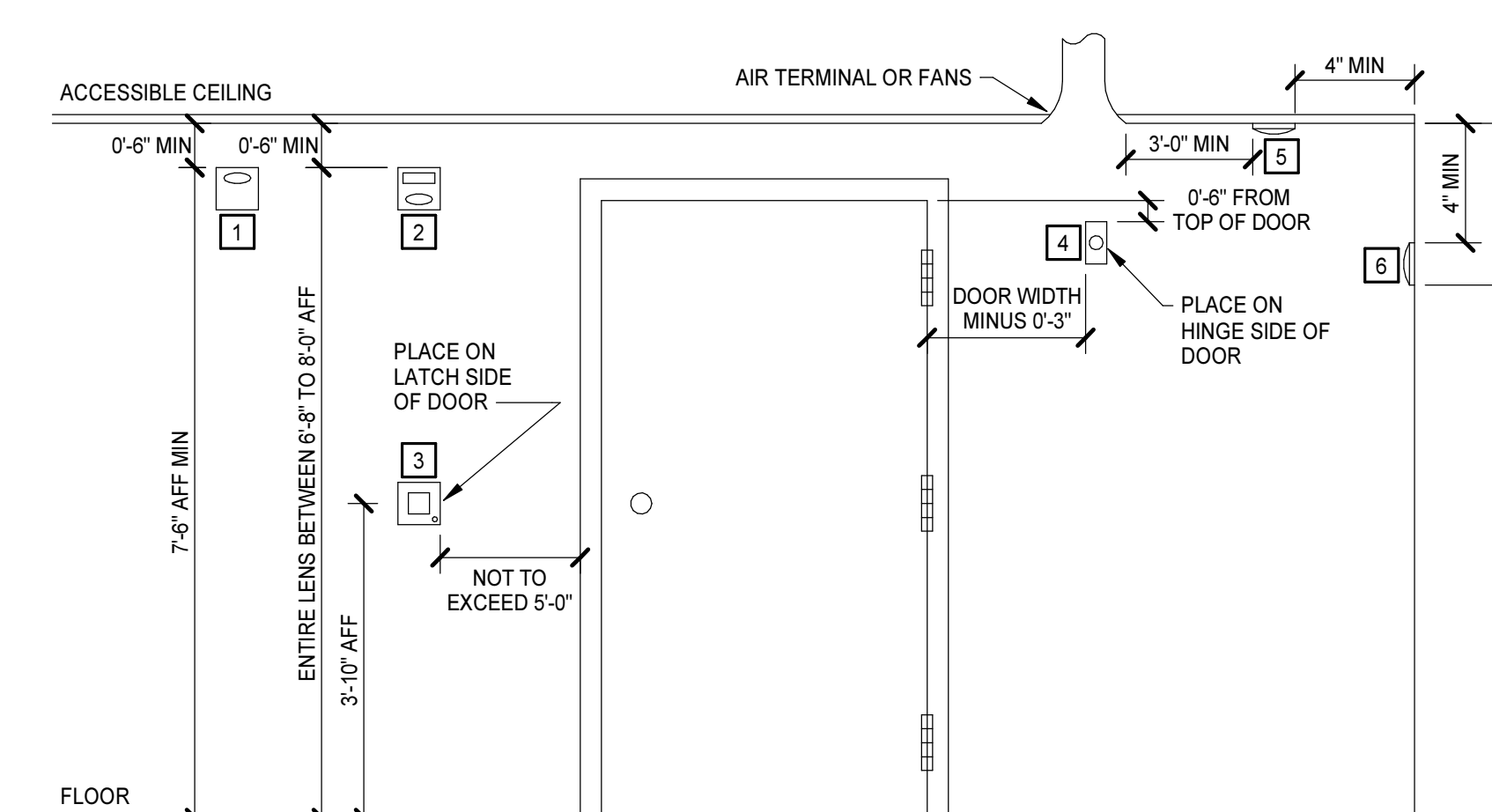
—|/— SPRINKLER FLOW SWITCH MONITOR

NOTES

- AN ALARM SIGNAL FROM A DETECTOR IN THE ELEVATOR HOISTWAY, MACHINE ROOM, MACHINE SPACE, OR ELEVATOR LOBBY (OTHER THAN AT THE PRIMARY RECALL LEVEL) SHALL ACTIVATE THE FIRST ELEVATOR CONTROL MODULE ((C)).
- AN ALARM SIGNAL FROM A DETECTOR IN THE ELEVATOR LOBBY AT THE PRIMARY RECALL LEVEL SHALL ACTIVATE THE SECOND ELEVATOR CONTROL MODULE ((C)).
- AN ALARM SIGNAL FROM A DETECTOR OR FLOW SWITCH SERVING THE ELEVATOR HOISTWAY, MACHINE SPACE, OR MACHINE ROOM SHALL ACTIVATE THE SHUNT TRIP CONTROL MODULE ((C)). CAUSING THE ELEVATOR MAIN CIRCUIT BREAKER TO OPEN.
- LOSS OF CONTROL POWER TO THE SHUNT TRIP BREAKER SHALL OPEN THE RELAY CONTACT AND INITIATE A SUPERVISORY SIGNAL ON THE FIRE ALARM SYSTEM.
- FIRE ALARM CONTROL AND MONITOR MODULES SHALL BE MOUNTED WITHIN 36" OF THE EQUIPMENT CONTROLLED OR MONITORED.
- A DETECTOR FOR ELEVATOR SHUNT TRIP SHALL BE PROVIDED WITHIN 24" OF EACH SPRINKLER IN THE ELEVATOR HOISTWAY, MACHINE ROOM, MACHINE SPACE, CONTROL ROOM, AND/OR CONTROL SPACE.



8 TYPICAL DEVICE ELEVATION DETAIL
 E4.1 1/2" = 1'-0"



KEY NOTES

- FIRE ALARM AUDIO ONLY DEVICE. LEGEND SYMBOL: [Symbol]
- FIRE ALARM VISUAL ONLY DEVICE OR FIRE ALARM AUDIO/VISUAL DEVICE. LEGEND SYMBOL: [Symbol] OR [Symbol]
- FIRE ALARM MANUAL PULL STATION OR FIRE ALARM KEY OPERATED MANUAL PULL STATION. LEGEND SYMBOL: [Symbol] OR [Symbol]
- FIRE ALARM MAGNETIC DOOR HOLDER. LEGEND SYMBOL: [Symbol]
- FIRE ALARM INITIATING DEVICES - CEILING MOUNTED: SMOKE, HEAT, CARBON OR COMBO DETECTORS. LEGEND SYMBOL: [Symbol] OR [Symbol] OR [Symbol] OR [Symbol]
- FIRE ALARM INITIATING DEVICES - WALL MOUNTED: SMOKE, HEAT, CARBON OR COMBO DETECTORS. LEGEND SYMBOL: [Symbol] OR [Symbol] OR [Symbol] OR [Symbol]

LEGEND SYMBOL:

REFER TO RECEPTACLE DEVICE AND COMMUNICATIONS LEGEND FOR COMPLETE LIST OF SYMBOLS

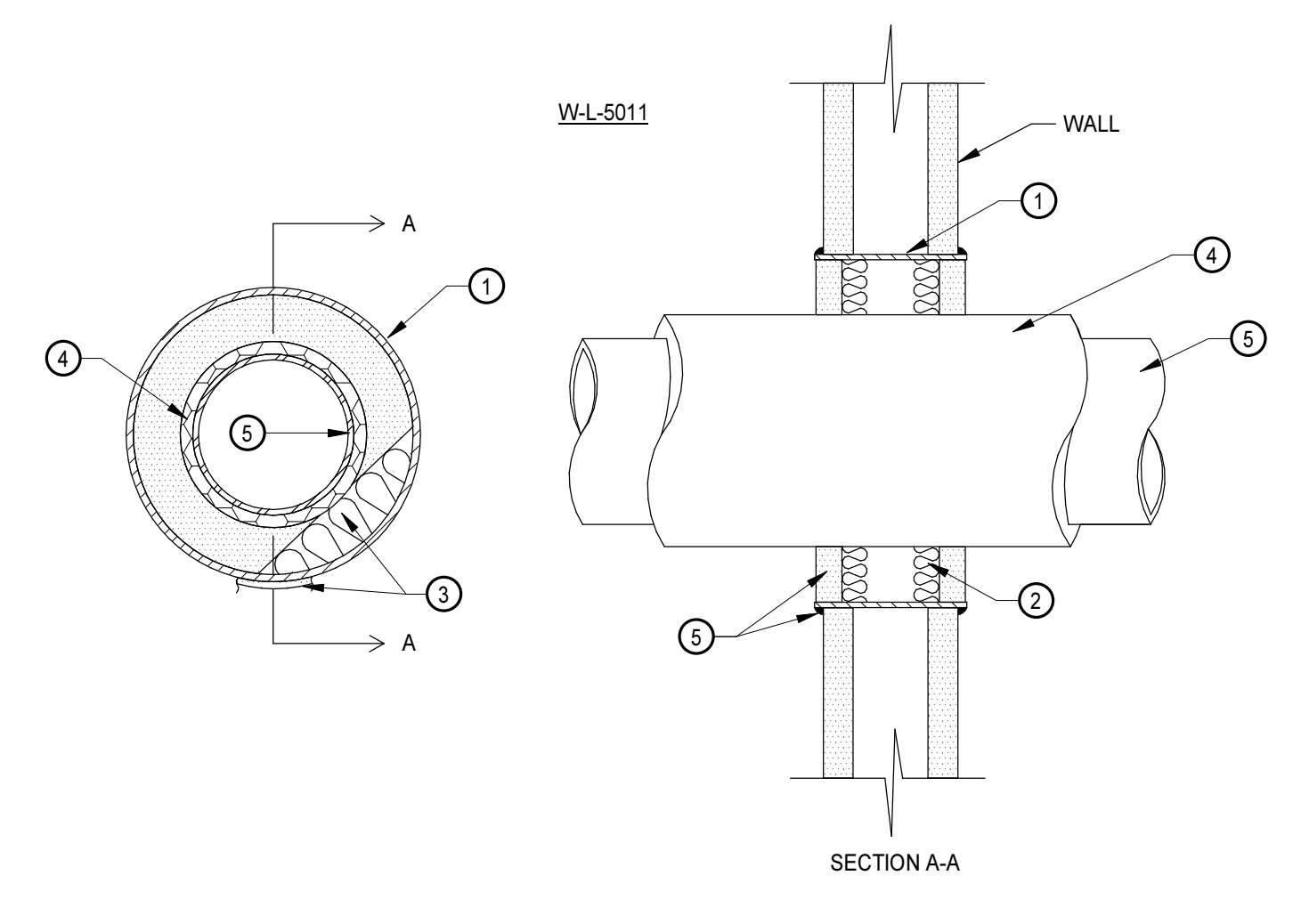
REFER TO RECEPTACLE DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS

REFER TO POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS

REFER TO RECEPTACLE DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS

KEY NOTES

- ALL DEVICES MOUNTED ABOVE NON-ADA COMPLIANT WORK SURFACES SHALL ADHERE TO THE FOLLOWING:
 - BOTTOM OF DEVICE SHALL BE 0'-6" MINIMUM ABOVE WORK SURFACE.
 - TOP OF DEVICE SHALL BE NO HIGHER THAN 5'-8" ABOVE WORK SURFACE FOR OBSTRUCTED FORWARD REACH.
 - TOP OF DEVICE SHALL BE NO HIGHER THAN 5'-10" ABOVE WORK SURFACE FOR OBSTRUCTED SIDE REACH.

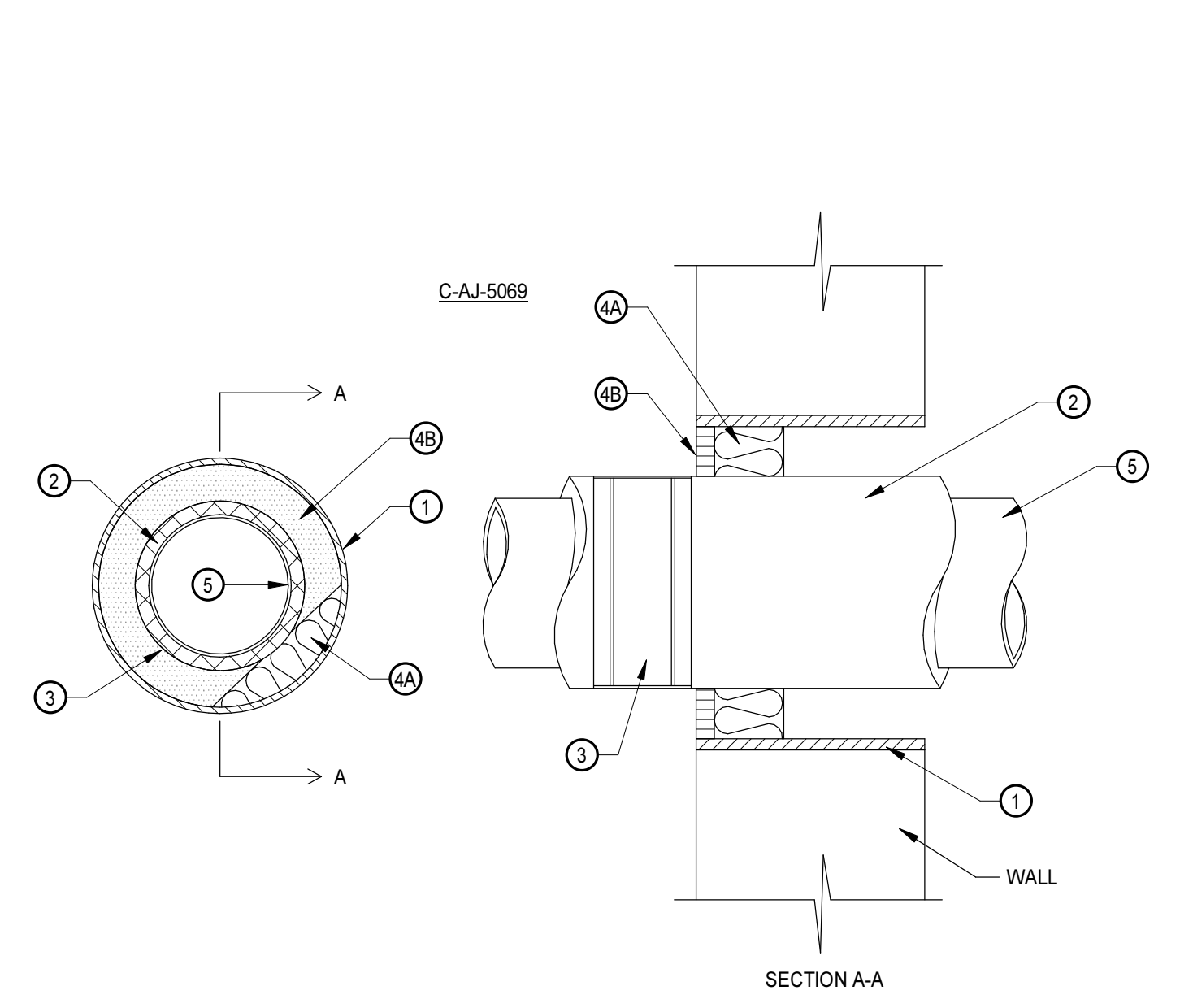


1 STEEL SLEEVE - CYLINDRICAL SLEEVE FABRICATED FROM MINIMUM 0.019" THICK (NO. 28 GAUGE) GALVANIZED SHEET STEEL, AND HAVING A MINIMUM 2" LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL PLUS 1" SUCH THAT, WHEN INSTALLED, THE ENDS OF THE SLEEVE WILL PROJECT APPROXIMATELY 1/2" BEYOND THE SURFACE OF THE WALL ON BOTH SIDES OF THE WALL ASSEMBLY. THE DIAMETER OF THE OPENINGS CUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL ASSEMBLY (CONCENTRIC WITH PIPE) TO BE 2" TO 2-1/2" LARGER THAN OUTSIDE DIAMETER OF PIPE INSULATION SUCH THAT, WHEN THE STEEL SLEEVE IS INSTALLED, A 1" TO 1-1/4" ANNULAR SPACE WILL BE PRESENT BETWEEN THE STEEL SLEEVE AND THE PIPE INSULATION AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. SLEEVE INSTALLED BY COLLING THE SHEET STEEL TO A DIAMETER SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENINGS AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM WALLBOARD LAYERS.

2 PACKING MATERIAL - POLYETHYLENE BACKER ROD OR MINIMUM 1" THICKNESS OF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO STEEL SLEEVE ON BOTH SIDES OF THE WALL ASSEMBLY AS PERMANENT FORMS. PACKING MATERIAL TO BE RECESSED MINIMUM 1" FROM END OF STEEL SLEEVE (RECESSED MINIMUM 1/2" INTO GYPSUM WALLBOARD SURFACE) ON BOTH SIDES OF WALL ASSEMBLY.

3 FILL VOID OR CAVITY MATERIALS - CAULK - MINIMUM 1" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS ON BOTH SIDES OF WALL ASSEMBLY. THICKNESS FOR FILL MATERIAL FOR NOMINAL 3" DIAMETER (OR SMALLER) STEEL PIPES MAY BE REDUCED TO A MINIMUM 1/2". A NOMINAL 1/4" DIAMETER CONTINUOUS BEAD OF CAULK SHALL BE APPLIED AROUND THE CIRCUMFERENCE OF THE STEEL SLEEVE AT ITS EGRESS FROM THE GYPSUM WALLBOARD LAYERS ON BOTH SIDES OF THE WALL ASSEMBLY.

MINNESOTA MINING & MFG CO. - CP 25WB+



1 METALLIC SLEEVE - (OPTIONAL) NOMINAL 22" DIAMETER (OR SMALLER) SCHEDULE 40 STEEL PIPE CAST OR GROUTED INTO WALL ASSEMBLY. FLUSH WITH WALL SURFACES.

2 PIPE COVERING MATERIALS - CELLULAR GLASS INSULATION - NOMINAL 1-1/2" OR 3" THICK CELLULAR GLASS PIPE INSULATION SIZED TO THE OUTSIDE DIAMETER OF THE STEEL PIPE OR TUBE AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. T RATING IS 0 HR WHEN NOMINAL 1-1/2" THICK PIPE INSULATION IS USED. T RATING IS 1 HR WHEN NOMINAL 3" THICK PIPE INSULATION IS USED. THE ANNULAR SPACE SHALL BE MINIMUM 3/4" TO MAXIMUM 3".

PITTSBURGH CORNING CORP. - FOAMGLASS

3 METAL JACKET - MINIMUM 12" LONG JACKET FORMED OF MINIMUM 0.010" THICK STEEL OR ALUMINUM SHEET CUT TO WRAP TIGHTLY AROUND THE PIPE INSULATION WITH A MINIMUM 2" LAP. JACKET SECURED WITH MINIMUM 1/2" WIDE STAINLESS STEEL HOSE CLAMPS OR BANDS LOCATED WITHIN 2" OF EACH END OF THE JACKET AND SPACED A MAXIMUM OF 10" O.C. JACKET TO BE INSTALLED WITH ABUTTING SURFACES OF SEALANT (ITEM 6B) ON BOTH SURFACES OF WALL.

4 FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL - MINIMUM 3" THICKNESS OF MINIMUM 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

B. FILL VOID OR CAVITY MATERIAL - SEALANT - MINIMUM 3/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. HILTI CONSTRUCTION CHEMICALS, INC. - FS605 OR FS-ONE SEALANT

5 THROUGH PENETRANT - ONE METALLIC PIPE OR TUBING TO BE POSITIONED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:

A. STEEL PIPE - NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE. WHEN STEEL PIPE IS USED, T RATING IS 1 HR.

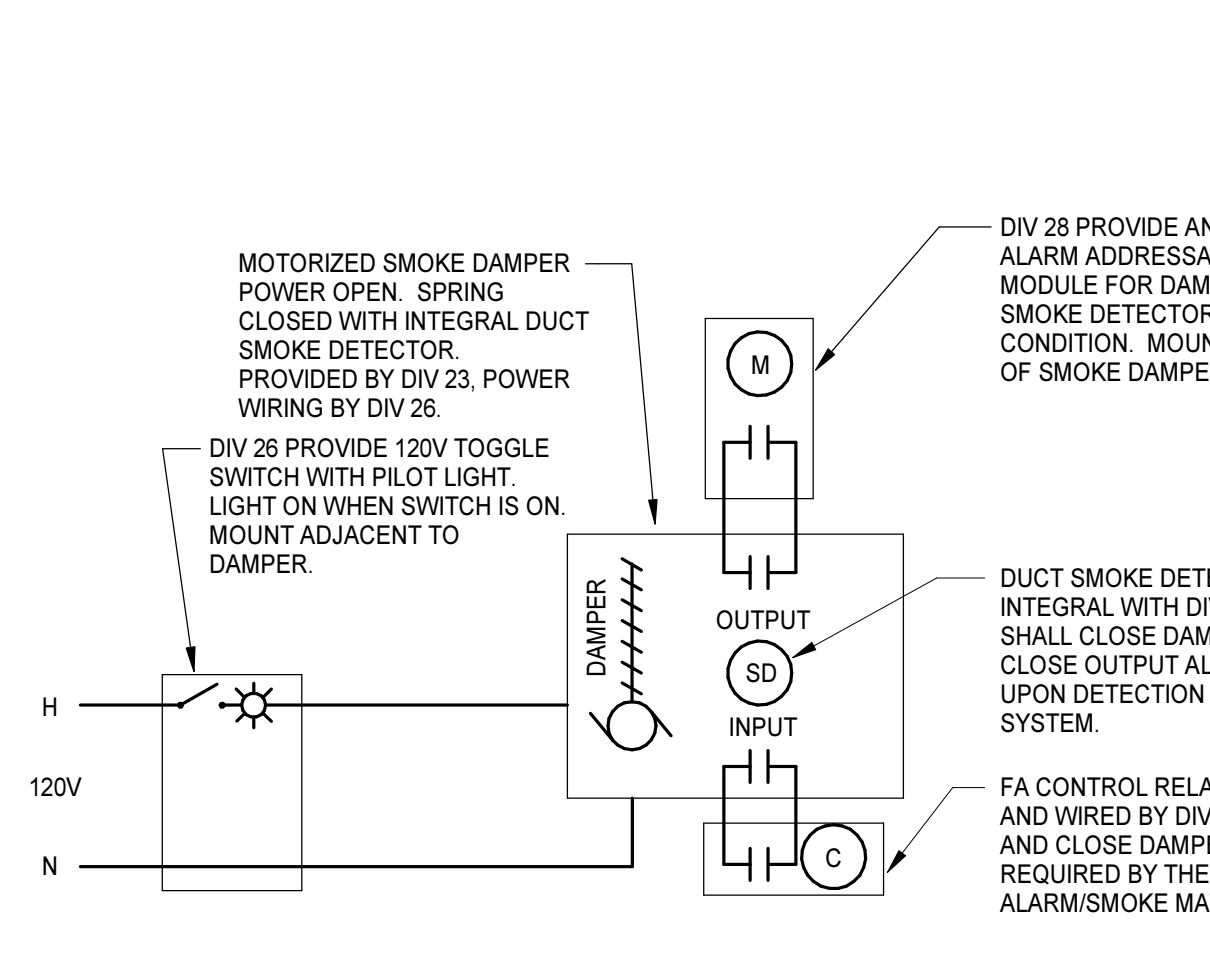
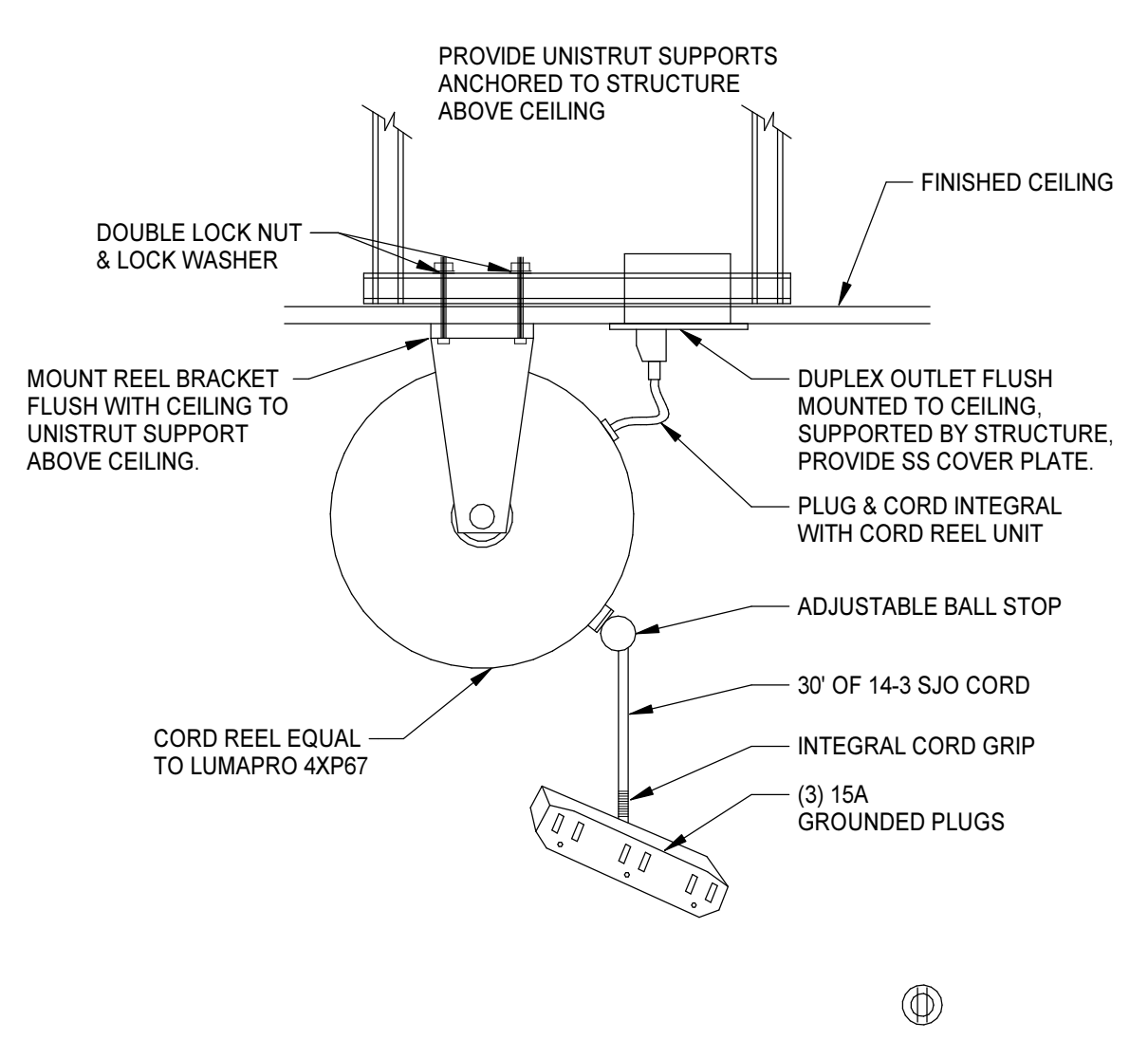
B. CONDUIT - NOMINAL 3" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT. WHEN STEEL CONDUIT IS USED, T RATING IS 1/4 HR.

C. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. WHEN COPPER TUBING IS USED, T RATING 1/2 AND 1 HR WHEN INSTALLED IN 1 AND 2 HR RATED WALLS, RESPECTIVELY.

D. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

* BEARING THE UL CLASSIFICATION MARKING

3 CORD REEL ASSEMBLY DETAIL
 12" = 1'-0"

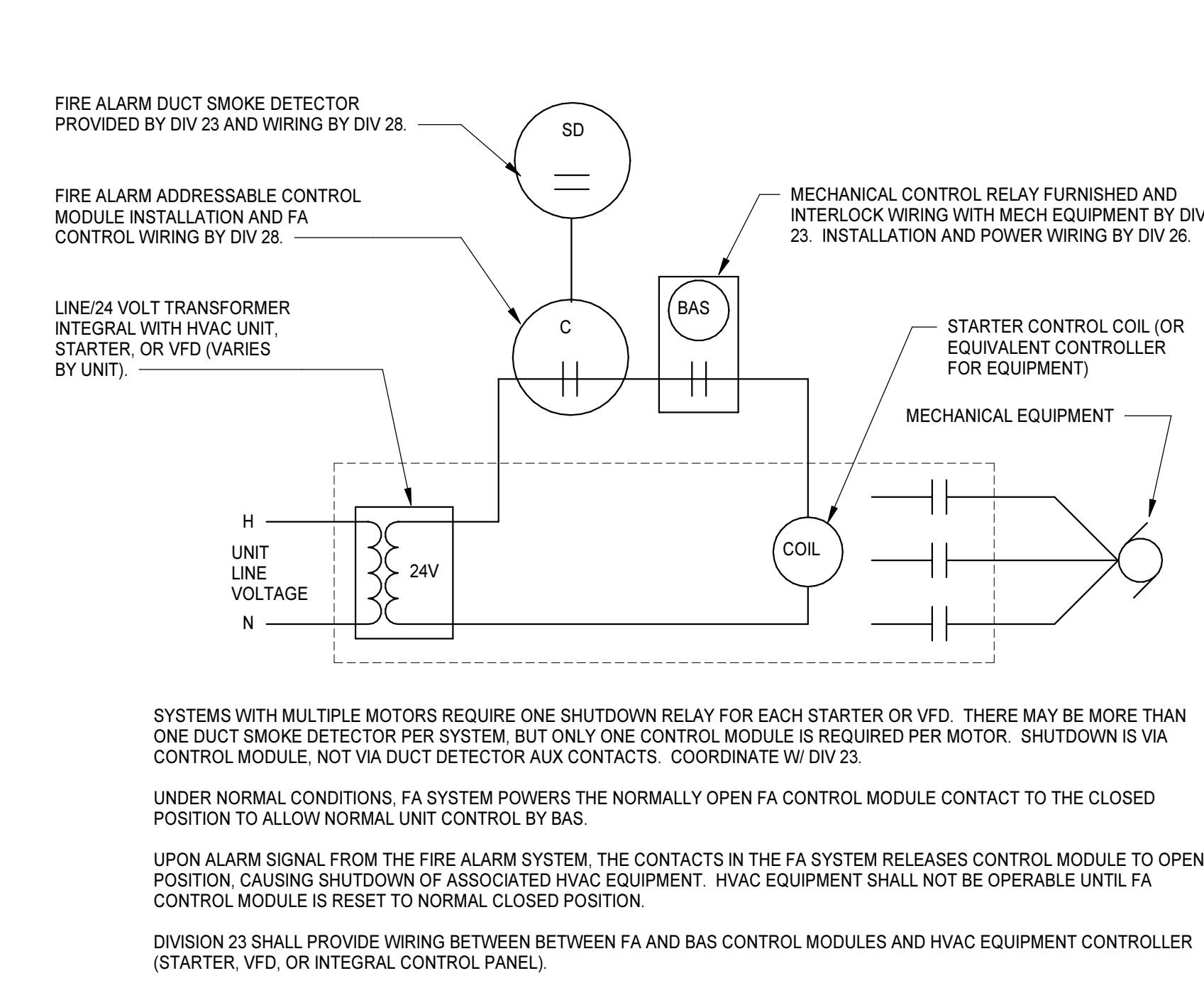


4 EQUIPMENT CLEARANCES
 1/2" = 1'-0"

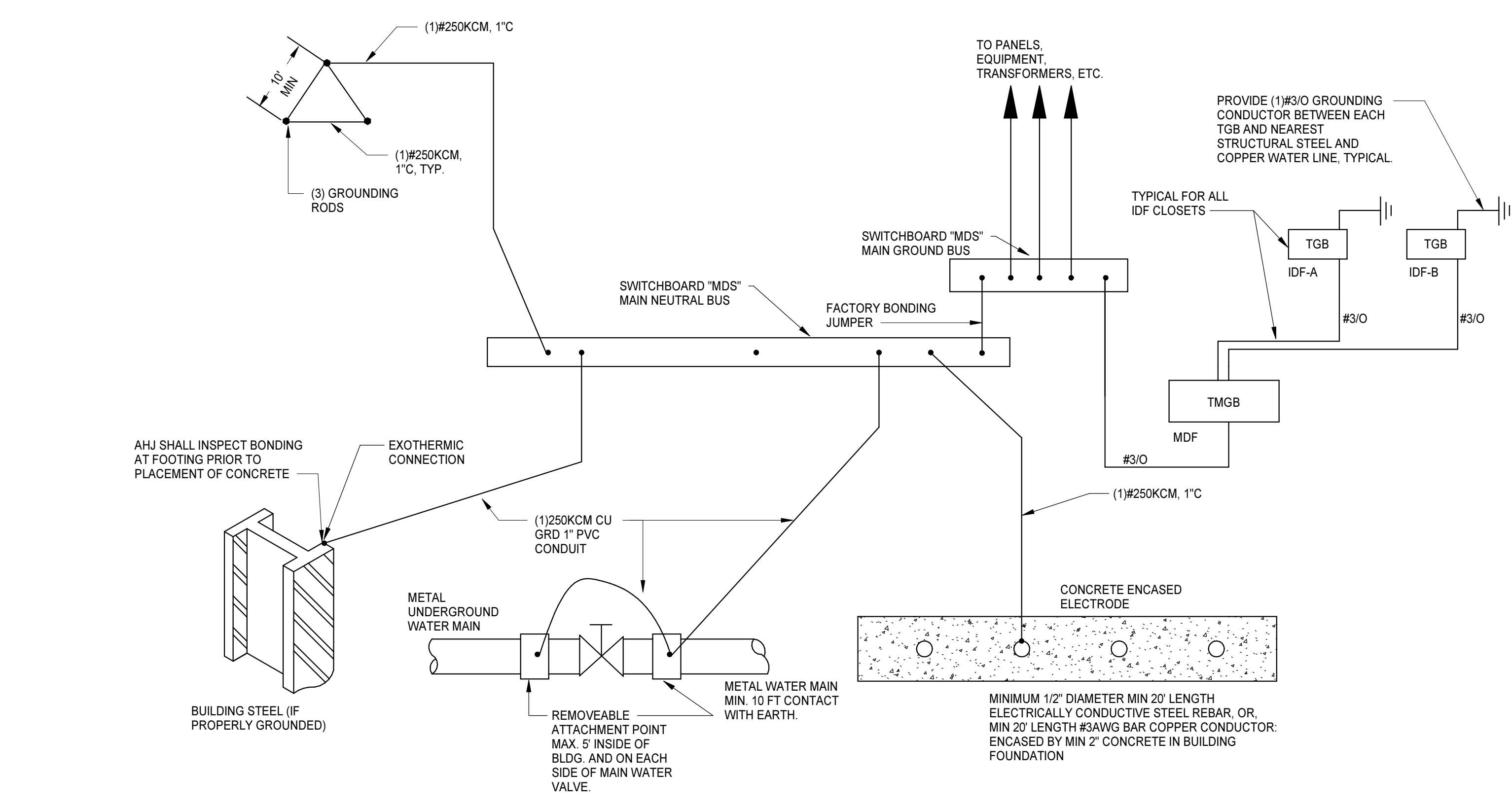
1 PENETRATION THROUGH 1 HOUR FIRE RATED WALL
 12" = 1'-0"

2 PENETRATION THROUGH 2 HOUR FIRE RATED WALL
 12" = 1'-0"

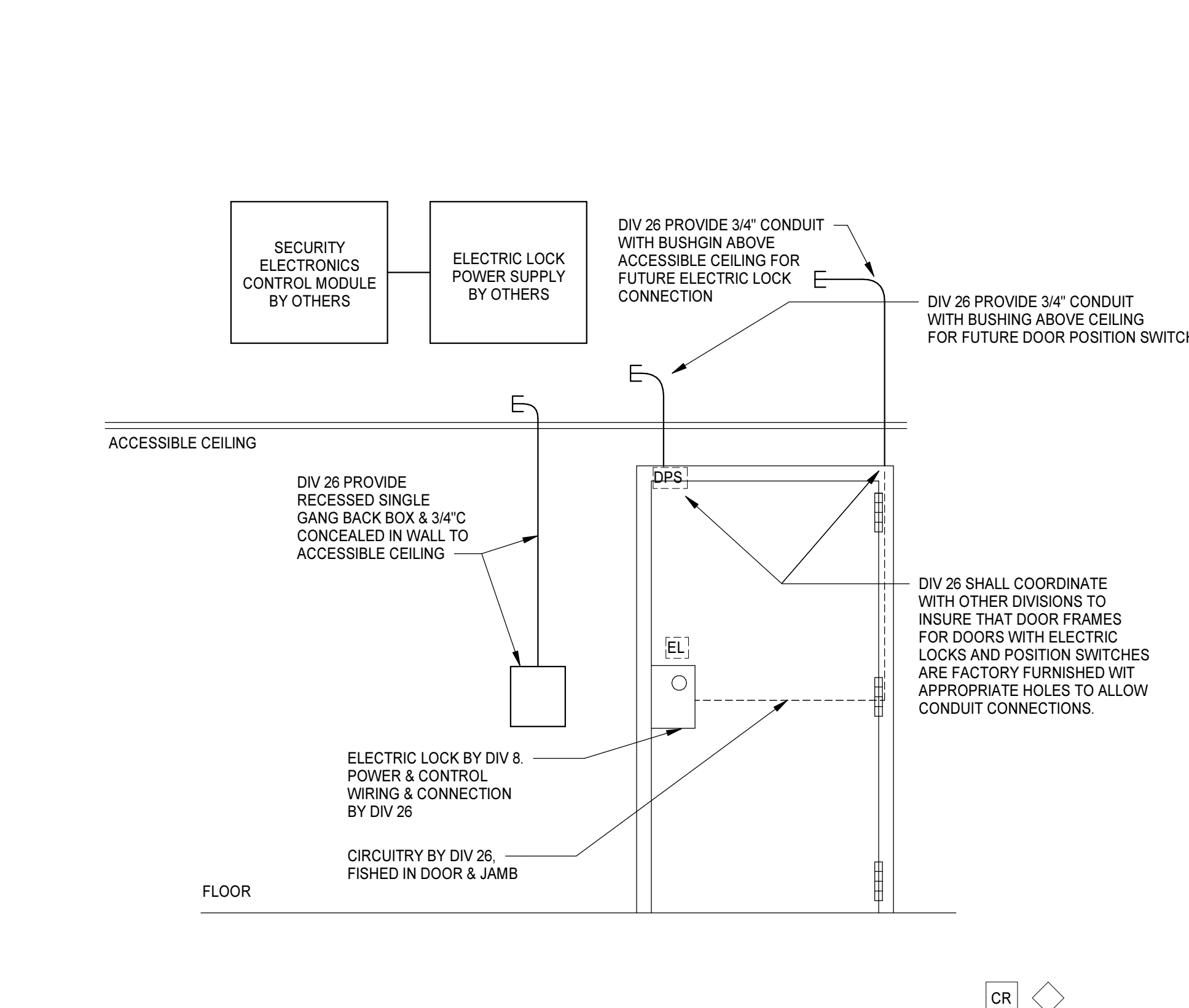
5 FIRE/SMOKE DAMPER & SMOKE DAMPER WIRING DIAGRAM
 1/8" = 1'-0"



6 FIRE ALARM HVAC UNIT SHUTDOWN WIRING DIAGRAM
 1/8" = 1'-0"



7 GROUNDING SYSTEM DIAGRAM
 12" = 1'-0"



8 DOOR ACCESS CONTROL DETAIL
 1/8" = 1'-0"



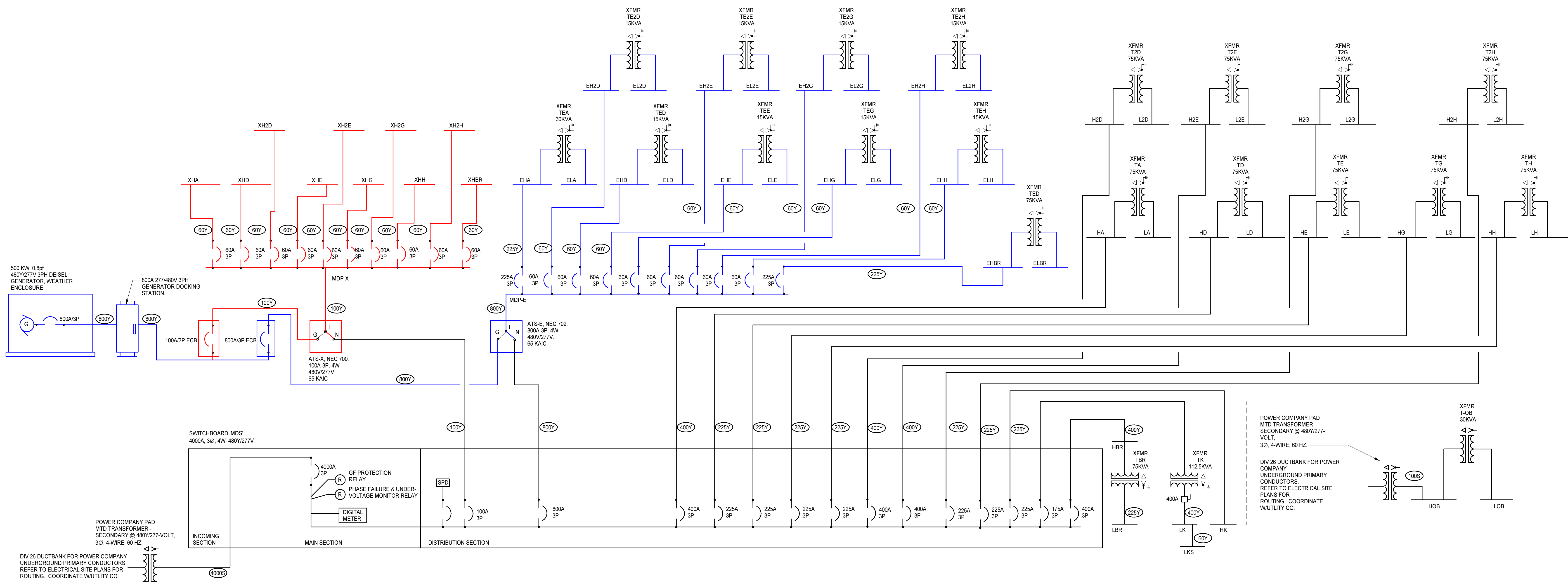
8/2/2024

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS:	
DATE:	DESCRIPTION:

TRANSFORMER SCHEDULE						
KVA	TYPE	PRIMARY	SECONDARY	COPPER PRIMARY FEEDER	COPPER SECONDARY FEEDER	BONDING CONDUCTOR
15 KVA	LINEAR	480V-3Ø	208Y/120V	3#10, #10 G, 3/4" C.	4#4, #6 G, 1-1/4" C.	#6
30 KVA	LINEAR	480V-3Ø	208Y/120V	3#6, #10 G, 1" C.	4#1, #6 G, 1-1/2" C.	#6
45 KVA	LINEAR	480V-3Ø	208Y/120V	3#4, #8 G, 1-1/4" C.	4#10, #6 G, 2" C.	#6
75 KVA	LINEAR	480V-3Ø	208Y/120V	3#1, #6 G, 1-1/2" C.	4-250KCM, #2 G, 2-1/2" C.	#2
112.5 KVA	LINEAR	480V-3Ø	208Y/120V	3#2/0, #6 G, 2" C.	(2 SETS) 4-3/0, #2 G, 2-1/2" C.	#2
150 KVA	LINEAR	480V-3Ø	208Y/120V	3#4/0, #4 G, 2-1/2" C.	(2 SETS) 4-250KCM, #2/0 G, 3" C.	#2/0
225 KVA	LINEAR	480V-3Ø	208Y/120V	(2 SETS) 3#2/0, #3 G, 2" C.	(3 SETS) 4-350KCM, #2/0 G, 3" C.	#2/0
300 KVA	LINEAR	480V-3Ø	208Y/120V	(2 SETS) 3#4/0, #2 G, 2-1/2" C.	(4 SETS) 4-350KCM, #4/0 G, 4" C.	#3/0
500 KVA	LINEAR	480V-3Ø	208Y/120V	(3 SETS) 3-350KCM, #1/0 G, 4" C.	(6 SETS) 4-350KCM, 300KCM G, 4" C.	#3/0

COPPER FEEDER SCHEDULE							
FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THWN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THWN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30	1	3#10, #10 G	3/4"	30Y	1	4#10, #10 G	3/4"
35	1	3#6, #10 G	3/4"	35Y	1	4#6, #10 G	3/4"
40	1	3#6, #10 G	3/4"	40Y	1	4#6, #10 G	3/4"
45	1	3#6, #10 G	1"	45Y	1	4#6, #10 G	1"
50	1	3#6, #10 G	1"	50Y	1	4#6, #10 G	1"
60	1	3#4, #10 G	1"	60Y	1	4#4, #10 G	1"
70	1	3#4, #6 G	1 1/4"	70Y	1	4#4, #6 G	1 1/4"
80	1	3#3, #6 G	1 1/4"	80Y	1	4#3, #6 G	1 1/4"
90	1	3#2, #6 G	1 1/4"	90Y	1	4#2, #6 G	1 1/4"
100S	1	4#2	1 1/2"	100Y	1	4#2, #6 G	1 1/2"
110	1	3#2, #6 G	1 1/2"	110Y	1	4#2, #6 G	1 1/2"
125	1	3#1, #6 G	1 1/2"	125Y	1	4#1, #6 G	1 1/2"
150	1	3#1/0, #6 G	2"	150Y	1	4#1/0, #6 G	2"
175	1	3#2/0, #6 G	2"	175Y	1	4#2/0, #6 G	2"
200	1	3#3/0, #6 G	2"	200Y	1	4#3/0, #6 G	2"
225	1	3#4/0, #4 G	2 1/2"	225Y	1	4#4/0, #4 G	2 1/2"
250	1	3-250KCM, #4 G	2 1/2"	250Y	1	4-250KCM, #4 G	2 1/2"
300	1	3-350KCM, #4 G	2 1/2"	300Y	1	4-350KCM, #4 G	2 1/2"
350	2	3#2/0, #3 G	3"	350Y	2	4#2/0, #3 G	3"
400	2	3#3/0, #3 G	2"	400Y	2	4#3/0, #3 G	2"
450	2	3#4/0, #2 G	2 1/2"	450Y	2	4#4/0, #2 G	2 1/2"
500	2	3-250KCM, #2 G	2 1/2"	500Y	2	4-250KCM, #2 G	2 1/2"
600	2	3-350KCM, #1 G	3"	600Y	2	4-350KCM, #1 G	3"
700	2	3-500KCM, #1/0 G	4"	700Y	2	4-500KCM, #1/0 G	4"
800	3	3-350KCM, #1/0 G	3"	800Y	3	4-350KCM, #1/0 G	3"
1000	3	3-500KCM, #2/0 G	4"	1000Y	3	4-500KCM, #2/0 G	4"
1200	4	3-350KCM, #3/0 G	3"	1200Y	4	4-350KCM, #3/0 G	3"
1600	5	3-500KCM, #4/0 G	4"	1600Y	5	4-500KCM, #4/0 G	4"
2000	6	3-500KCM, #250 G	4"	2000Y	6	4-500KCM, #250 G	4"
2500	7	3-500KCM, #350 G	4"	2500Y	7	4-500KCM, #350 G	4"
4000S	11	3-500KCM, #350 G	4"				

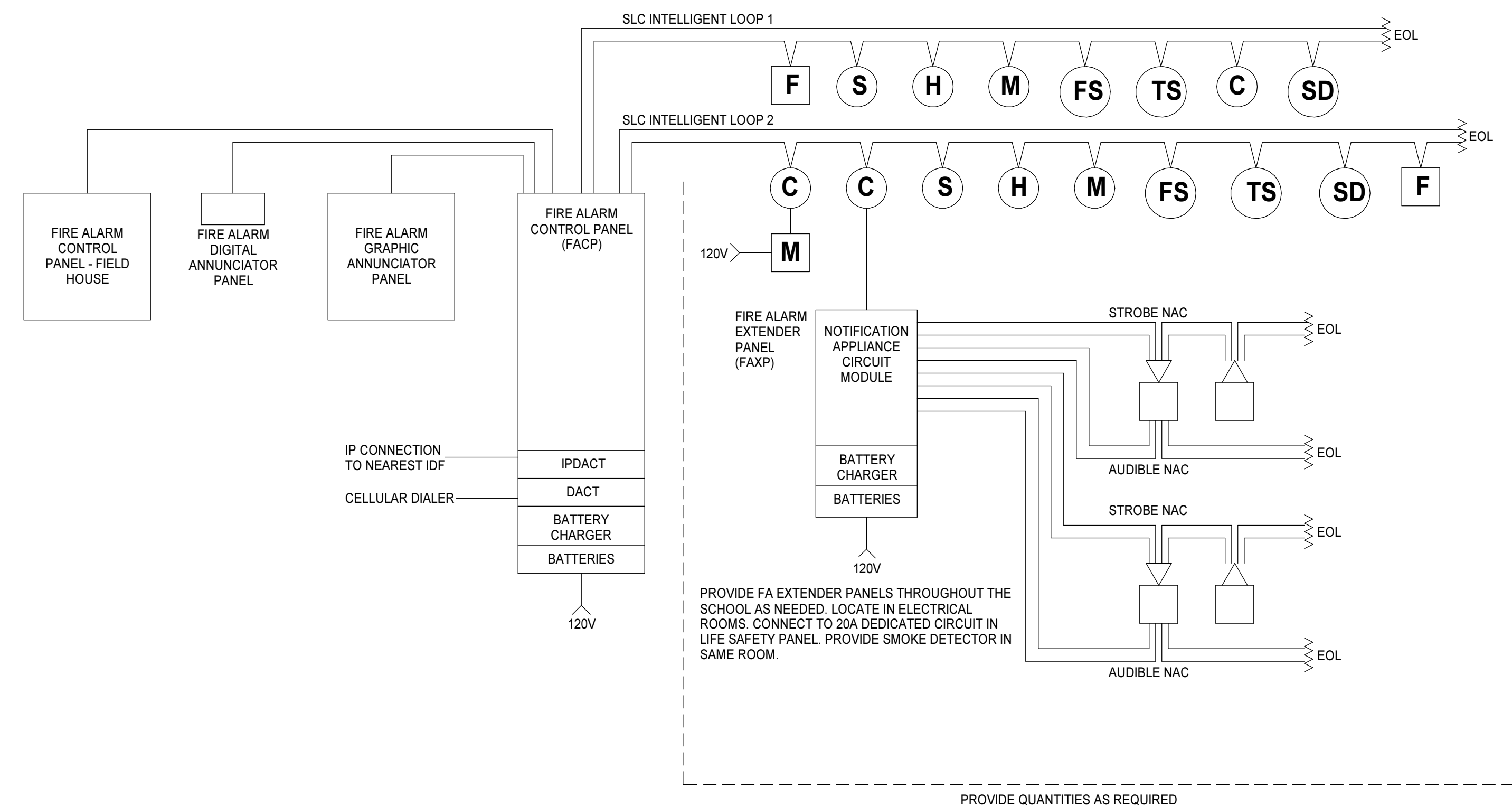
NOTES:
1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.
3. SIZES ADJUSTED PER NEC 110.14.



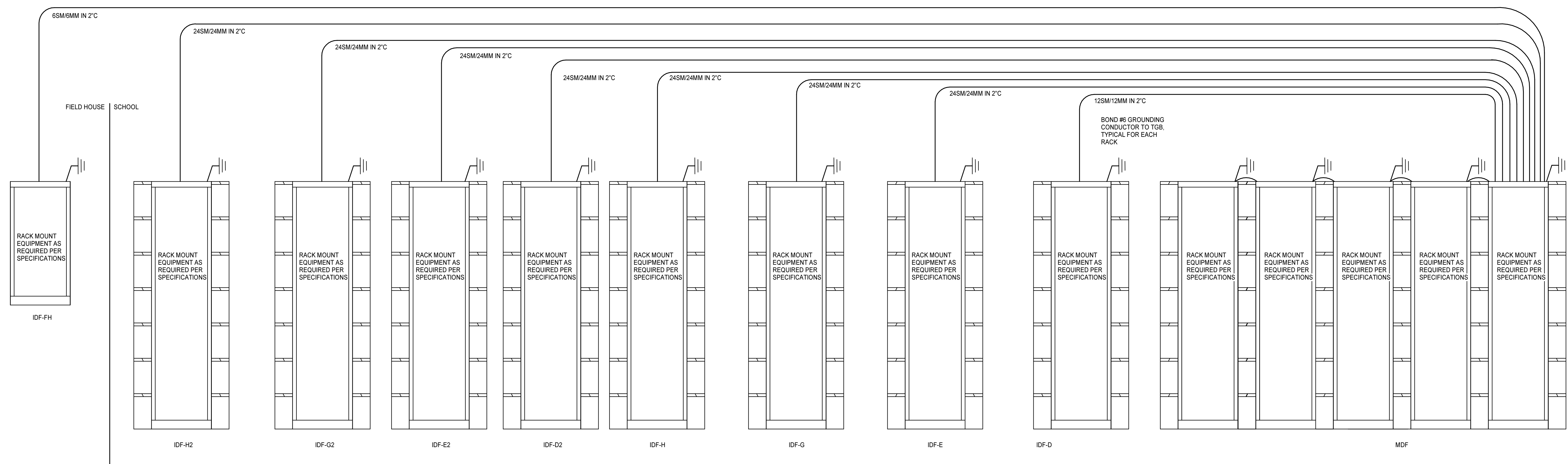
2 ONE LINE DIAGRAM
E5.1 12" = 1'-0"

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FIRE ALARM INPUT/OUTPUT MATRIX		CONTROL UNIT ANNUNCIATION							NOTIFICATION / ACTION											
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	MANUAL PULL STATION	X	X	X				X	X	X	X	X	X					X		
2	SMOKE DETECTOR	X	X	X				X	X	X	X	X	X					X		
3	SMOKE DETECTOR - ELEVATOR FUNCTION	X	X	X				X	X	X	X	X	X				X	X		
4	HEAT DETECTOR - ELEVATOR FUNCTION	X	X	X				X	X	X	X	X	X				X	X		
5	FLOW SWITCH - ELEVATOR FUNCTION	X	X	X				X	X	X	X	X	X				X	X		
6	DUCT SMOKE DETECTOR	X	X	X				X	X	X	X	X	X				X	X	X	
7	HEAT DETECTOR	X	X	X				X	X	X	X	X	X				X			
8	KITCHEN HOOD FIRE SUPPRESSION SYSTEM MONITOR	X	X	X				X	X	X	X	X	X				X			
9	SPRINKLER SYSTEM WATERFLOW	X	X	X				X	X	X	X	X	X				X			
10	SPRINKLER VALVE TAMPER SWITCH				X	X		X				X					X			
11	MONITOR MODULE - ELEVATOR SHUNT POWER FAULT				X	X		X				X				X				
12	MONITOR MODULE - GENERATOR FAILURE				X	X		X				X				X				
13	MONITOR MODULE - GENERATOR RUN						X	X	X			X				X				
14	FIRE ALARM AC POWER FAILURE				X	X	X	X	X			X				X				
15	FIRE ALARM SYSTEM LOW BATTERY				X	X	X	X	X			X				X				
16	FIRE ALARM OPEN CIRCUIT				X	X	X	X	X			X				X				
17	FIRE ALARM GROUND FAULT				X	X	X	X	X			X				X				
18	FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT SHORT				X	X	X	X	X			X				X				
19	CARBON MONOXIDE DETECTOR				X	X		X				X				X				



2 EMERGENCY VOICE EVACUATION FIRE ALARM RISER DIAGRAM
 E5.2 12" = 1'-0"



1 MDF - IDF DISTRIBUTION RISER DIAGRAM/ELEVATIONS
 E5.2 1/8" = 1'-0"

NOTES:
 A. RACEWAYS INDICATED ON PLANS INTENDED FOR HORIZONTAL CABLING ONLY. PROVIDE RACEWAYS PER THE RISER DIAGRAM ABOVE AND PER SPECIFICATIONS.

PROGRESS
 PRINT NOT FOR
 CONSTRUCTION

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

PANELBOARD SCHEDULE										
MDP-X			LOCATION: EM ELEC B113			FED FROM: ATS-X				
100 AMP MCB			3 PH 4 W			MOUNT: SURFACE				
PANEL ASSEMBLY RATED (KAIC): 65 KAIC										
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1				2.0	1.3					2
3	60 A	3	XHE			0.0	0.0			3
5										5
7				3.0	2.5					7
9	60 A	3	XHA			1.1	0.0			9
11										11
13				1.9	1.7					13
15	60 A	3	XHH			0.0	0.0			15
17										17
19				3.1	1.8					19
21	60 A	3	XH2E			0.0	0.0			21
23										23
25				1.6	2.2					25
27	60 A	3	XHZH			0.0	0.0			27
29										29
31	--	1	SPACE ONLY							31
33	--	1	SPACE ONLY							33
35	--	1	SPACE ONLY							35
37	--	1	SPACE ONLY							37
39	--	1	SPACE ONLY							39
41	--	1	SPACE ONLY							41
				21 kVA	1 kVA	0 kVA				
				77 A	5 A	0 A				

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	16552 VA	100.00%	16552 VA	
RECEPTACLES	0 VA	0.00%	0 VA	
AC / HEAT PUMP	0 VA	0.00%	0 VA	
HVAC	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	
				Total Conn. Load: 22.2 kVA
				Total Est. Demand: 22.2 kVA
				Total Conn. Current: 27 A
				Total Est. Demand Current: 27 A

PANELBOARD SCHEDULE										
MDP-E			LOCATION: EM ELEC B113			FED FROM: ATS-E				
800 AMP MCB			480/277 Vye			MOUNT: SURFACE				
PANEL ASSEMBLY RATED (KAIC): 65 KAIC										
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1				1.4	1.5					2
3	60 A	3	EHD			1.3	1.8			3
5										5
7				43.5	2.0					7
9	225 A	3	EHA			45.1	1.5			9
11										11
13				1.5	1.8					13
15	60 A	3	EHH			1.5	1.5			15
17										17
19				1.8	2.4					19
21	60 A	3	EH2G			1.5	1.8			21
23										23
25				2.2	56.5					25
27	60 A	3	EHE			1.8	56.5			27
29										29
31				26.3	43.4					31
33	175 A	3	TK			26.1	47.1			33
35										35
37	--	1	SPACE ONLY							37
39	--	1	SPACE ONLY							39
41	--	1	SPACE ONLY							41
				184 kVA	187 kVA	0 kVA				
				672 A	683 A	617 A				

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	10734 VA	100.00%	10734 VA	
RECEPTACLES	59400 VA	58.42%	34700 VA	
AC / HEAT PUMP	197355 VA	100.00%	197355 VA	
HVAC	17990 VA	100.00%	17990 VA	
ELECTRIC HEAT	1000 VA	100.00%	1000 VA	
KITCHEN	240003 VA	65.00%	156002 VA	
MISCELLANEOUS	7109 VA	100.00%	7109 VA	
				Total Conn. Load: 542.2 kVA
				Total Est. Demand: 433.7 kVA
				Total Conn. Current: 652 A
				Total Est. Demand Current: 522 A

SWITCHBOARD SCHEDULE									
MDS			LOCATION: EM ELEC B113			FED FROM: ATS-E			
HORIZONTAL: 4000 A			NEMA ENCL: 1			NEMA... FRONT ACCESS			
GROUND BUS: 4000 A			MAIN SWITCH: 4000 A			VOLTAGE: 480/277 Vye 3 PH 4 WIRE			
VERTICAL: 4000 A			CT SECTION: YES			BRACING: 65000 AMP			
NEUTRAL BUS: 4000 A									
DEVIC E.NO.	DESCRIPTION	A	B	C	NUMBER OF POLES	RATING	NOTES		
1	HH	19428 VA	18364 VA	16070 VA	3	400 A			
2	HG	22297 VA	24250 VA	18120 VA	3	400 A			
3	HE	28356 VA	29598 VA	24202 VA	3	400 A			
4	H2D	37248 VA	41713 VA	35176 VA	3	400 A			
5	HD	29155 VA	27160 VA	22893 VA	3	400 A			
6	HA	41292 VA	35776 VA	32352 VA	3	400 A			
7	H2E	42245 VA	41250 VA	37187 VA	3	400 A			
8	H2G	24832 VA	22877 VA	19478 VA	3	225 A			
9	H2H	25348 VA	23725 VA	18671 VA	3	225 A			
10	ATS-E	184174 VA	187202 VA	170842 VA	3	800 A			
11	ATS-X	21110 VA	1094 VA	0 VA	3	100 A			
12	HBR	57435 VA	58605 VA	58192 VA	3	400 A			
13	CH-1	168733 VA	168733 VA	168733 VA	3	800 A			
14	CH-2	168733 VA	168733 VA	168733 VA	3	800 A			
15	SPACE	0 VA	0 VA	0 VA	3	400 A			
16	SPACE	0 VA	0 VA	0 VA	3	400 A			
17	SPACE	0 VA	0 VA	0 VA	3	400 A			
18	SPACE	0 VA	0 VA	0 VA	3	400 A			
TOTAL		829464 VA	808516 VA	751660 VA					

LOAD TYPE	CONNECTED KVA	DEMAND KVA	Panel Totals
INTERIOR LIGHTING	97032 VA	97032 VA	
RECEPTACLES	2739 VA	2739 VA	
AC / HEAT PUMP	367200 VA	188600 VA	
HVAC	1633152 VA	1633152 VA	
ELECTRIC HEAT	30219 VA	30219 VA	
KITCHEN	23600 VA	23600 VA	
MISCELLANEOUS	240003 VA	156002 VA	
			TOTAL CONNECTED KVA: 2380 kVA
			TOTAL DEMAND KVA: 2137 kVA
			TOTAL CONNECTED: 2874 A
			TOTAL DEMAND AMPS: 2571 A

NOTES:
 1. SWITCHBOARD SHALL BE UL SERVICE ENTRANCE RATED
 2. PROVIDE SPD WITH OVERCURRENT DEVICE, DISCONNECTING MEANS & CONDUCTORS, SIZE PER SPD MFR REQUIREMENTS MOUNTED ON TOP OF EQUIPMENT
 3. PROVIDE DISCONNECTING MEANS LABEL PER 2020 NEC 230.70(B)
 4. PROVIDE GROUND FAULT PROTECTIVE RELAY, DOCUMENT TEST, PROVIDE PHASE LOSS AND UNDERVOLTAGE DRY CONTACT FOR BAS PICKUP
 5. PROVIDE FACTORY INSTALLED DIGITAL MULTIMETER, PLUS MONITORING CABLE IN CONDUIT TO BAS PICKUP MODULE, COORDINATE WITH DIV 23
 6. PROVIDE SIGN PER NEC 700, LIFE SAFETY STANDBY FROM GENERATOR LOCATED IN EQUIPMENT YARD OUTSIDE, VIA ATS-X
 7. PROVIDE SIGN PER NEC 702, "OPTIONAL STANDBY FROM GENERATOR LOCATED IN EQUIPMENT YARD OUTSIDE, VIA ATS-E"
 8. FOR NON-SIMULTANEOUS LOADS, ONLY LARGER OF LOADS IS INCLUDED IN TOTAL

PANELBOARD SCHEDULE										
XH2G			LOCATION: ELEC G206			FED FROM: MDP-X				
60 AMP MCB			3 PH 4 W			MOUNT: SURFACE				
PANEL ASSEMBLY RATED (KAIC): 65 KAIC										
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	LTG - EMERGENCY, WING 2G	1.3	0.5					2
3	20 A	1	SPARE			0.0	0.0			4
5	20 A	1	SPARE					0.0	0.0	6
7	20 A	1	SPARE	0.0	0.0					8
9	20 A	1	SPARE			0.0	0.0			10
11	20 A	1	SPARE					0.0	0.0	12
13	20 A	1	SPARE	0.0	0.0					14
15	20 A	1	SPARE					0.0	0.0	16
17	20 A	1	SPARE					0.0	0.0	18
				2 kVA	0 kVA	0 kVA				
				7 A	0 A	0 A				

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	1805 VA	100.00%	1805 VA	
RECEPTACLES	0 VA	0.00%	0 VA	
AC / HEAT PUMP	0 VA	0.00%	0 VA	
HVAC	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	
				Total Conn. Load: 1.8 kVA
				Total Est. Demand: 1.8 kVA
				Total Conn. Current: 2 A
				Total Est. Demand Current: 2 A

PANELBOARD SCHEDULE										
XH2E			LOCATION: ELEC E220			FED FROM: MDP-X				
60 AMP MCB			480/277 Vye			MOUNT: SURFACE				
PANEL ASSEMBLY RATED (KAIC): 65 KAIC										
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	LTG ROOM G214, E230	2.3	0.8					2
3	20 A	1	SPARE			0.0	0.0			4
5	20 A	1	SPARE					0.0	0.0	6
7	20 A	1	SPARE	0.0	0.0					8
9	20 A	1	SPARE			0.0	0.0			10
11	20 A	1	SPARE					0.0	0.0	12
13	20 A	1	SPARE	0.0	0.0					14
15	20 A	1	SPARE					0.0	0.0	16
17	20 A	1	SPARE					0.0	0.0	18
				3 kVA	0 kVA	0 kVA				
				11 A	0 A	0 A				

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	2603 VA	100.00%	2603 VA	
RECEPTACLES	0 VA	0.00%	0 VA	
AC / HEAT PUMP	0 VA	0.00%	0 VA	
HVAC	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	
				Total Conn. Load: 3.1 kVA
				Total Est. Demand: 3.1 kVA
				Total Conn. Current: 4 A
				Total Est. Demand Current: 4 A

PANELBOARD SCHEDULE										
XHA			LOCATION: ELEC A136			FED FROM: MDP-X				
60 AMP MCB			480/277 Vye			MOUNT: SURFACE				
PANEL ASSEMBLY RATED (KAIC): 65 KAIC										
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	LTG - EMERGENCY, ADMIN / DINING CORR. EAST	0.7	2.4					2
3	20 A	1	SPARE			0.0	1.1			4
5	20 A	1	SPARE					0.0	0.0	6
7	20 A	1	SPARE	0.0	0.0					8
9	20 A	1	SPARE			0.0	0.0			10
11	20 A	1	SPARE					0.0	0.0	12
13	20 A	1	SPARE	0.0	0.0					14
15										

PANELBOARD SCHEDULE E2HD LOCATION: ELEC D211 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1440 VA 100.00% 1440 VA
AC / HEAT PUMP 2900 VA 100.00% 2900 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE EH2E LOCATION: ELEC E220 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1620 VA 100.00% 1620 VA
AC / HEAT PUMP 2900 VA 100.00% 2900 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE EH2G LOCATION: ELEC G206 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1260 VA 100.00% 1260 VA
AC / HEAT PUMP 2400 VA 100.00% 2400 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE EH2H LOCATION: ELEC H215 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1260 VA 100.00% 1260 VA
AC / HEAT PUMP 2900 VA 100.00% 2900 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE EHA LOCATION: ELEC A196 FED FROM: MDP-E
225 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 4899 VA 100.00% 4899 VA
RECEPTACLES 24300 VA 70.58% 17150 VA
AC / HEAT PUMP 78666 VA 100.00% 78666 VA
HVAC 10500 VA 100.00% 10500 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 2768 VA 100.00% 2768 VA

PANELBOARD SCHEDULE EHD LOCATION: ELEC D111 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1620 VA 100.00% 1620 VA
AC / HEAT PUMP 2400 VA 100.00% 2400 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE EHE LOCATION: ELEC E120 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1800 VA 100.00% 1800 VA
AC / HEAT PUMP 2400 VA 100.00% 2400 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE EHG LOCATION: ELEC G108 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1440 VA 100.00% 1440 VA
AC / HEAT PUMP 2400 VA 100.00% 2400 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 500 VA 100.00% 500 VA

PANELBOARD SCHEDULE EHH LOCATION: ELEC H108 FED FROM: MDP-E
60 AMP MCB 480/277 Vwye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 1260 VA 100.00% 1260 VA
AC / HEAT PUMP 2400 VA 100.00% 2400 VA
HVAC 0 VA 0.00% 0 VA
ELECTRIC HEAT 0 VA 0.00% 0 VA
KITCHEN 0 VA 0.00% 0 VA
MISCELLANEOUS 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE EL2E LOCATION: ELEC E220 FED FROM: TE2E
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA E221, REC REFRIGERATOR E209, REC REFRIGERATOR E224, etc.

PANELBOARD SCHEDULE ELD LOCATION: ELEC D111 FED FROM: TED
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA D112, REC FRIDGE SCIENCE LAB D109, REC FRIDGE SCIENCE LAB D122, etc.

PANELBOARD SCHEDULE ELH LOCATION: ELEC H108 FED FROM: TEH
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA H129, REC TEACHER WORKROOM/LOUNGE H125, SSI-H-11 & SSO-H-11, etc.

PANELBOARD SCHEDULE EL2G LOCATION: ELEC G206 FED FROM: TE2G
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like BC-G-2, REC DATA G218, REC FRIDGE G219, etc.

PANELBOARD SCHEDULE ELA LOCATION: ELEC A136 FED FROM: TEA
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC CLINIC A106, REC DATA A135, REC DATA A135, etc.

PANELBOARD SCHEDULE ELE LOCATION: ELEC E120 FED FROM: TEE
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC FRIDGE E107, REC FRIDGE E109, SSI-E-11 & SSO-E-11, etc.

PANELBOARD SCHEDULE H2E LOCATION: ELEC E220 FED FROM: MDS
400 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like LTG WING 2E ROOMS, LTG MS MEDIA CENTER A201, LTG WING 2C ROOMS, etc.

PANELBOARD SCHEDULE H2G LOCATION: ELEC G206 FED FROM: MDS
225 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like LTG WING 2G ROOMS, LTG WING 2F RESOURCE STOR. MECH ROOMS, AHU-G-21, etc.

PANELBOARD SCHEDULE ELG LOCATION: ELEC G108 FED FROM: TEG
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA G124, REC EXCEPTIONAL SIC G120, REC ELEVATOR SUMP PUMP, etc.

PANELBOARD SCHEDULE ELG LOCATION: ELEC G108 FED FROM: TEG
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA G124, REC EXCEPTIONAL SIC G120, REC ELEVATOR SUMP PUMP, etc.

PANELBOARD SCHEDULE ELG LOCATION: ELEC G108 FED FROM: TEG
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA G124, REC EXCEPTIONAL SIC G120, REC ELEVATOR SUMP PUMP, etc.

PANELBOARD SCHEDULE H2E LOCATION: ELEC E220 FED FROM: MDS
400 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like LTG WING 2E ROOMS, LTG MS MEDIA CENTER A201, LTG WING 2C ROOMS, etc.

PANELBOARD SCHEDULE H2G LOCATION: ELEC G206 FED FROM: MDS
225 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like LTG WING 2G ROOMS, LTG WING 2F RESOURCE STOR. MECH ROOMS, AHU-G-21, etc.

PANELBOARD SCHEDULE ELG LOCATION: ELEC G108 FED FROM: TEG
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA G124, REC EXCEPTIONAL SIC G120, REC ELEVATOR SUMP PUMP, etc.

PANELBOARD SCHEDULE ELG LOCATION: ELEC G108 FED FROM: TEG
60 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC
Table with columns: CKT, BRKR, POLE, LOAD, A, B, C, POLE, BRKR, CKT. Includes loads like REC DATA G124, REC EXCEPTIONAL SIC G120, REC ELEVATOR SUMP PUMP, etc.

PANELBOARD SCHEDULE H2H LOCATION: ELEC H215 FED FROM: MDS
400 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 5289 VA 100.00% 5289 VA
RECEPTACLES 25920 VA 69.29% 17960 VA
AC / HEAT PUMP 36535 VA 100.00% 36535 VA

PANELBOARD SCHEDULE HE LOCATION: ELEC E120 FED FROM: MDS
400 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 8574 VA 100.00% 8574 VA
RECEPTACLES 39060 VA 62.80% 24530 VA
AC / HEAT PUMP 30552 VA 100.00% 30552 VA

PANELBOARD SCHEDULE L2E LOCATION: ELEC E220 FED FROM: T2E
225 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 41760 VA 61.97% 25680 VA
AC / HEAT PUMP 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE HA LOCATION: ELEC A136 FED FROM: MDS
400 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 10460 VA 100.00% 10460 VA
RECEPTACLES 36520 VA 62.98% 24260 VA
AC / HEAT PUMP 39757 VA 100.00% 39757 VA

PANELBOARD SCHEDULE L2G LOCATION: ELEC G206 FED FROM: T2G
225 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 5290 VA 100.00% 5290 VA
RECEPTACLES 27720 VA 68.94% 18680 VA
AC / HEAT PUMP 29552 VA 100.00% 29552 VA

PANELBOARD SCHEDULE L2H LOCATION: ELEC H215 FED FROM: T2H
225 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 25820 VA 69.29% 17960 VA
AC / HEAT PUMP 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE HD LOCATION: ELEC D111 FED FROM: MDS
225 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 7025 VA 100.00% 7025 VA
RECEPTACLES 36720 VA 63.82% 23360 VA
AC / HEAT PUMP 30532 VA 100.00% 30532 VA

PANELBOARD SCHEDULE HH LOCATION: ELEC H108 FED FROM: MDS
225 AMP MCB 480/277 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 65 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 5290 VA 100.00% 5290 VA
RECEPTACLES 27720 VA 68.94% 18680 VA
AC / HEAT PUMP 29552 VA 100.00% 29552 VA

PANELBOARD SCHEDULE L2H LOCATION: ELEC H215 FED FROM: T2H
225 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

Load Classification Connected Load Demand Factor Estimated Demand Panel Totals
INTERIOR LIGHTING 0 VA 0.00% 0 VA
RECEPTACLES 25820 VA 69.29% 17960 VA
AC / HEAT PUMP 0 VA 0.00% 0 VA

PANELBOARD SCHEDULE

LA LOCATION: ELEC A138 FED FROM: TA
225 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	REC ROOM C109, C108	1.4	1.3		REC EXCEPTIONAL S/C C110	1	20 A	2
3	20 A	1	REC EXCEPTIONAL S/C C115		1.4	1.3	REC ROOM C114, C112, C113	1	20 A	4
5	20 A	1	REC BREAK C112		0.2	0.2	REC BREAK C112	1	20 A	6
7	20 A	1	REC EWC CODDOR C118 (GP)	0.4	0.4		REC EWC CODDOR C118 (GP)	1	20 A	8
9	20 A	1	REC WASHER CHANGING C113 (GP)		0.2	0.1	REC DRYER CHANGING C113	2	30 A	10
11	20 A	1	REC HEALTH CLASSROOM C120		1.1	0.1	REC HEALTH CLASSROOM C120	1	20 A	12
13	20 A	1	REC ROOM C118, A134	1.3	0.2		RECEPTACLES EQUIP A132	1	20 A	14
15	20 A	1	REC ELEVATOR		0.2	0.2	RECEPTACLES CONCESSIONS A102	1	20 A	16
17	20 A	1	REC ROOM C126, C118, C119, C116, C117	1.1	1.4		REC EWC C208 (GP)	1	20 A	18
19	20 A	1	REC ROOM C209, C215, C206, C205, C207				REC ROOM C209, C211, C210	1	20 A	20
21	20 A	1	REC ROOM A203, A201, A210		1.4	1.4	REC ROOM A103, A118	1	20 A	22
23	20 A	1	REC EWC C208 (GP)	0.4	0.3		REC ROOM A203, A202	1	20 A	24
25	20 A	1	REC MS STEM LAB C204		0.9	1.0	F-B-16	1	15 A	26
27	20 A	1	REC ROOM A207, A205, A206		1.4	1.1	DISPLAY CASES	1	20 A	28
29	20 A	1	REC ROOM A204, A201	1.3	1.4		REC ROOM A103, A118	1	20 A	30
31	20 A	1	REC CONCESSIONS A102		0.4	0.4	REC ROOM A179, A101	1	20 A	32
33	20 A	1	REC CONCESSIONS A102		0.4	0.4	REC EWC B101 (GP)	1	20 A	34
35	20 A	1	REC CONCESSIONS A102		0.2	0.4	REC PRINTER E128	1	20 A	36
37	20 A	1	REC PRINTER E128	0.4	1.4		REC ROOM A150, A142, A140	1	20 A	38
39	20 A	1	REC ROOM B120, B119, B118, B124		1.4	0.9	REC BART B122	1	20 A	40
41	20 A	1	REC ROOM B123, B122		1.4	0.9	REC MS GYMNASIUM A142	1	20 A	42
43	20 A	1	REC ROOM A149, A148, A144, A143	1.1	1.1		REC OFFICE A145	1	20 A	44
45	20 A	1	REC OFFICE A147		1.1	1.1	REC ROOM B124, A176	1	20 A	46
47	20 A	1	REC EWC A176 (GP)		0.4	0.4	REC EWC A176 (GP)	1	20 A	48
49	20 A	1	REC ROOM A142	0.2	0.5		BASKETBALL GOAL A142	1	20 A	50
51	20 A	3	BLEACHERS A142		0.2	0.5	BASKETBALL GOAL A142	1	20 A	52
53	20 A	1	BASKETBALL GOAL A142		0.5	0.5	BASKETBALL GOAL A142	1	20 A	54
55	20 A	1	BASKETBALL GOAL A142		0.5	0.5	BASKETBALL GOAL A142	1	20 A	56
57	20 A	1	BASKETBALL GOAL A142		0.5	0.1	REC WASHER A146	3	15 A	58
59	20 A	1	REC WORKM A202		0.2	0.1	REC WORKM A202	1	20 A	60
61	20 A	1	REC ELEVATOR		0.7	0.1	LTG - MS ELEVATOR PIT	1	20 A	62
63	20 A	1	REC MS MEDIA CENTER A201		1.2	1.2	LTG - MS ELEV EQUIP RM A132	1	20 A	64
65	20 A	1	FLOOR BOX SCORERS TABLE		1.2	1.2	HAND DRYER	1	20 A	66
67	20 A	1	HAND DRYER		1.2	1.2	HAND DRYER	1	20 A	68
69	20 A	1	HAND DRYER		1.2	1.2	HAND DRYER	1	20 A	70
71	20 A	1	HAND DRYER		1.2	1.2	HAND DRYER	1	20 A	72
73	20 A	1	REC ROOF	0.4	0.0		SPARE	1	20 A	74
75	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	76
77	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	78
79	20 A	1	SPARE	0.0	0.0		SPARE	1	20 A	80
81	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	82
83	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	84
				19 kVA	19 kVA	14 kVA				
				165 A	153 A	120 A				

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4.6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LO) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
INTERIOR LIGHTING	160 VA	100.00%	160 VA	Total Conn. Load: 51.5 kVA Total Est. Demand: 37.2 kVA Total Conn. Current: 143 A Total Est. Demand Current: 103 A	
RECEPTACLES	38520 VA	62.88%	24260 VA		
AC/HEAT PUMP	0 VA	0.00%	0 VA		
HVAC	250 VA	100.00%	250 VA		
ELECTRIC HEAT	7200 VA	100.00%	7200 VA		
KITCHEN	0 VA	0.00%	0 VA		
MISCELLANEOUS	5360 VA	100.00%	5360 VA		
					18 kVA
					153 A
					120 A

PANELBOARD SCHEDULE

LH LOCATION: ELEC H108 FED FROM: TH
225 AMP MCB 120/208 Wye 3 PH 4 W MOUNT: SURFACE PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	REC SECOND GRADE H132	1.3	0.4		REC EWC H108 (GP)	1	20 A	2
3	20 A	1	REC RESOURCE H103		1.3	1.1	REC ROOM H105, H107, H101, H113, H131, H106	1	20 A	4
5	20 A	1	REC SECOND GRADE H104		1.3	1.3	REC SECOND GRADE H130	1	20 A	6
7	20 A	1	REC ROOM H113, H131, H126	1.3	1.3		REC FIRST GRADE H109	1	20 A	8
9	20 A	1	REC FIRST GRADE H128		1.3	1.3	REC FIRST GRADE H123	1	20 A	10
11	20 A	1	REC FIRST GRADE H112	0.4	0.4		REC TEACHER WORKROOM/LOUNGE H125	1	20 A	12
13	20 A	1	REC PRINTER H125		0.9	1.1	REC PRINTER H125	1	20 A	14
15	20 A	1	REC TEACHER WORKROOM/LOUNGE H125		0.9	1.1	REC ROOM H113, H122, H131	1	20 A	16
17	20 A	1	REC FIRST GRADE H121		1.3	1.3	REC FIRST GRADE H114	1	20 A	18
19	20 A	1	REC FIRST GRADE H117	1.3	1.3		REC FIRST GRADE H118	1	20 A	20
21	20 A	1	REC RESOURCE F104		1.4	1.3	REC ROOM F107, F108	1	20 A	22
23	20 A	1	REC ROOM F102, F103, F105		1.6	1.4	REC ES GYMNASIUM F102	1	20 A	24
25	20 A	1	REC EXTENDED LEARNING AREA H101	0.7	0.2		REC MICROWAVE H125	1	20 A	26
27	20 A	1	REC MICROWAVE H125		0.2	0.0	SPARE	1	20 A	28
29	20 A	1	REC ELEC H215		0.2	0.0	SPARE	1	20 A	30
31	20 A	1	SPARE	0.0	0.0		SPARE	1	20 A	32
33	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	34
35	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	36
37	20 A	1	SPARE	0.0	0.0		SPARE	1	20 A	38
39	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	40
41	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	42
43	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	44
45	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	46
47	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	48
49	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	50
51	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	52
53	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	54
55	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	56
57	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	58
59	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	60
61	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	62
63	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	64
65	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	66
67	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	68
69	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	70
71	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	72
73	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	74
75	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	76
77	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	78
79	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	80
81	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	82
83	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	84
				8 kVA	10 kVA	10 kVA				
				60 A	83 A	83 A				

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4.6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LO) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
INTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 27.7 kVA Total Est. Demand: 18.9 kVA Total Conn. Current: 77 A Total Est. Demand Current: 52 A	
RECEPTACLES	27720 VA	88.04%	18860 VA		
AC/HEAT PUMP	0 VA	0.00%	0 VA		
HVAC	0 VA	0.00%	0 VA		
ELECTRIC HEAT	0 VA	0.00%	0 VA		
KITCHEN	0 VA	0.00%	0 VA		
MISCELLANEOUS	0 VA	0.00%	0 VA		
					18 kVA
					83 A
					83 A

PANELBOARD SCHEDULE

LKS LOCATION: KITCHEN B104 FED FROM: LK
60 AMP MLO 120/208 Wye 3 PH 4 W MOUNT: RECESSED PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	MOBILE HEATED CABINET (ITEM 22.1)	2.3	2.3		MOBILE HEATED CABINET (ITEM 22.2)	1	20 A	2
3	20 A	1	CONVECTION OVEN, HI (ITEM 24.1.1)		1.0	1.0	CONVECTION OVEN, HI (ITEM 24.2.1)	1	20 A	4
5	20 A	1	CONVECTION OVEN, LO (ITEM 24.1.2)		1.0	1.0	CONVECTION OVEN, LO (ITEM 24.2.2)	1	20 A	6
7	20 A	1	TILT SKILLET (ITEM 26.1)	0.2	0.2		TILT SKILLET (ITEM 26.2)	1	20 A	8
9	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	10
11	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	12
13	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	14
15	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	16
17	20 A	1	SPARE		0.0	0.0	SPARE	1	20 A	18
				5 kVA	2 kVA	2 kVA				
				41 A	16 A	16 A				

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4.6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LO) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHT				

PANELBOARD SCHEDULE											XHBR	LOCATION: MECHANICAL/ELECTRICAL...	FED FROM: MDP-X			
80 AMP MCB	480/277 Wye	3 PH 4 W	MOUNT: SURFACE	PANEL ASSEMBLY RATED (KAIC): 65 KAIC	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD
CKT	BRKR	POLE			A	B	C									
1	20 A	1	LTG - ADMIN / DINNING CORR. WEST		2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	20 A	1	SPARE													
5	20 A	1	SPARE													
7	20 A	1	SPARE		0.0	0.0										
9	20 A	1	SPARE				0.0	0.0								
11	20 A	1	SPARE						0.0	0.0						
13	20 A	1	SPARE		0.0	0.0										
15	20 A	1	SPARE				0.0	0.0								
17	20 A	1	SPARE						0.0	0.0						
					2 kVA	0 kVA	0 kVA									
					8 A	0 A										

PANELBOARD SCHEDULE											LBR	LOCATION: MECHANICAL/ELECTRICAL...	FED FROM: TBR			
225 AMP MCB	120/208 Wye	3 PH 4 W	MOUNT: SURFACE	PANEL ASSEMBLY RATED (KAIC): 10 KAIC	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD
CKT	BRKR	POLE			A	B	C									
1	20 A	1	GL-1		0.5	0.2							F.A-12	1	15 A	2
3	20 A	2	F-B-15				0.9	0.4					F-B-14	1	20 A	4
7					0.9	0.9			0.9	0.9			F-F-11	2	20 A	5
9	20 A	2	F-F-12				0.9	0.3					F-F-13	2	15 A	10
11	15 A	2	F-F-14					0.3	0.3							
13					0.3	0.5							OVERHEAD DOOR RECEIVING	1	20 A	14
15	20 A	1	REC RECEIVING B115						0.7	0.2			REC RESOURCE F208	1	20 A	16
17	20 A	1	REC RECEPTACLES MECHANICAL F205								0.4	1.4	REC RESOURCE F208	1	20 A	18
19	20 A	1	REC ROOM F204, F205, F207		0.7	0.5							REC ROOF	1	20 A	20
21							0.1	0.3					F-F-15	1	15 A	22
23	50 A	3	KILN B123						0.1	0.5			CH-1 EVAP HEATER	1	20 A	24
25					0.1	0.5							CH-2 EVAP HEATER	1	20 A	26
27	20 A	1	HAND DRYER				1.2	1.2					HAND DRYER	1	20 A	28
29	20 A	1	REC ROOF						0.5	0.5			REC ROOF	1	20 A	30
31	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	32
33	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	34
35	20 A	1	SPARE						0.0	0.0			SPARE	1	20 A	36
37	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	38
39	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	40
41	20 A	1	SPARE						0.0	0.0			SPARE	1	20 A	42
					5 kVA	6 kVA	6 kVA									
					42 A	51 A	49 A									

PANELBOARD SCHEDULE											L2D	LOCATION: ELEC D211	FED FROM: T2D			
225 AMP MCB	120/208 Wye	3 PH 4 W	MOUNT: SURFACE	PANEL ASSEMBLY RATED (KAIC): 10 KAIC	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD
CKT	BRKR	POLE			A	B	C									
1	20 A	1	REC ELEC D111		0.2	1.4							REC CLASSROOM D214	1	20 A	2
3	20 A	1	REC CLASSROOM D212			1.4	1.4						REC CLASSROOM D217	1	20 A	4
5	20 A	1	REC CLASSROOM D218				1.4	0.9					REC RESOURCE D213	1	20 A	6
7	20 A	1	REC ROOM D208, D208A, D221, D221A, D216		1.4	0.9							REC PREP ROOM D210	1	20 A	8
9	20 A	1	REC EWC D203 (GP)				0.4	1.3					REC ROOM D208, D203, D221, D204, D206, D205	1	20 A	10
11	20 A	1	REC PRINTER D226					0.4	0.4				REC PRINTER D226	1	20 A	12
13	20 A	1	REC ROOM C224, C219, D226		1.3	0.2							REC TEACHER WORKROOM LOUNGE D226	1	20 A	14
15	20 A	1	REC RESOURCE C220				1.3	1.1					REC ROOM C223, C221, C218	1	20 A	16
17	20 A	1	REC CLASSROOM C222					1.4	1.4				REC CLASSROOM D201	1	20 A	18
19	20 A	1	REC CLASSROOM D202		1.4	1.4							REC CLASSROOM C217	1	20 A	20
21	20 A	1	REC CLASSROOM D225				1.4	1.4					REC CLASSROOM D224	1	20 A	22
23	20 A	1	REC SCIENCE LAB D223				1.3	1.3					REC SCIENCE LAB D223	1	20 A	24
25	20 A	1	REC SCIENCE LAB D223		1.3	0.2							REC DISHWASHER D223 (GP)	1	20 A	26
27	20 A	1	REC SCIENCE LAB D207				1.3	1.3					REC SCIENCE LAB D207	1	20 A	28
29	20 A	1	REC DISHWASHER D207 (GP)					0.2	1.3				REC SCIENCE LAB D222	1	20 A	30
31	20 A	1	REC DISHWASHER D222 (GP)		0.2	1.1							REC EXTENDED LEARNING AREA D218	1	20 A	32
33	20 A	1	REC MS DANCE/DRAMA C202				1.4	1.3					REC MS ART C203	1	20 A	34
35	20 A	1	REC MS ART C203					0.7	0.4				F-D-21	1	20 A	36
37	20 A	1	F-D-22		0.4	0.4							F-D-23	1	20 A	38
39	20 A	1	REC MECHANICAL PLATFORM MP01				0.4	1.2					HAND DRYER	1	20 A	40
41	20 A	1	HAND DRYER				1.2	0.5					REC ROOF	1	20 A	42
43	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	44
45	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	46
47	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	48
49	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	50
51	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	52
53	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	54
55	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	56
57	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	58
59	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	60
61	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	62
63	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	64
65	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	66
67	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	68
69	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	70
71	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	72
73	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	74
75	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	76
77	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	78
79	20 A	1	SPARE		0.0	0.0							SPARE	1	20 A	80
81	20 A	1	SPARE				0.0	0.0					SPARE	1	20 A	82
83	20 A	1	SPARE					0.0	0.0				SPARE	1	20 A	84
					12 kVA	17 kVA	13 kVA									
					88 A	139 A										

PANELBOARD SCHEDULE											HG	LOCATION: ELEC G108	FED FROM: MDS			
400 AMP MCB	480/277 Wye	3 PH 4 W	MOUNT: SURFACE	PANEL ASSEMBLY RATED (KAIC): 65 KAIC	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD
CKT	BRKR	POLE			A	B	C									
1					12.1	2.9							LTG WING 'G' ROOMS	1	20 A	2
3	125 A	3	TG			12.8	2.3						LTG WING 'G' ROOMS	1	20 A	4
5								0.0	2.0				LTG WING 'F' ROOMS	1	20 A	6
7					3.1	0.0							SPARE	1	20 A	8
9	20 A	3	AHU-G-11				3.1	1.8					AHU-G-12	1	15 A	10
11									3.1	3.9			AHU-G-13	3	20 A	12
13	15 A	1	FCU-G-11		0.2	3.9								1	20 A	14
15	15 A	1	FCU-G-12					0.2	3.9					1	20 A	16
17													SPARE	1	20 A	18
19	30 A	3	ELEVATOR		0.2	0.0				0.2	0.0		SPARE	1	20 A	20
21									0.2	0.0			SPARE	1	20 A	22
23													SPARE	1	20 A	24
25	20 A	1	SHUNT TRIP		0.0	0.0							SPARE	1	20 A	26
27	20 A	1	SHUNT TRIP		0.0	0.0							SPARE	1	20 A	28
29	20 A	1	SHUNT TRIP		0.0	0.0							SPARE	1	20 A	30
31	20 A	1	SHUNT TRIP		0.0	0.0							SPARE	1	20 A	32
33	20 A	1	SHUNT TRIP		0.0	0.0							SPARE	1	20 A	34
35	20 A	1	SHUNT TRIP		0.0	0.0							SPARE	1	20 A	36
37	20 A	1	SHUNT TRIP		0.0	0.0							SPARE	1	20 A	38
39	20 A	1	SHUNT TRIP		0.0											

PANELBOARD SCHEDULE			XH2H			LOCATION: ELEC H215			FED FROM: MDP-X					
60 AMP MCB			480/277 Wye			3 PH 4 W			MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 10 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT				
1	20 A	1	LTG ROOM H210, H211, H211	1.1	0.5		ROOM F204, F101, F204A	1	20 A	2				
3										4				
5										6				
7										8				
9										10				
11										12				
13										14				
15										16				
17										18				
				2 kVA	0 kVA	0 kVA								
				6 A	0 A	0 A								

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 427.22 PROVIDE DED. NEUTRAL.
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8 PROVIDE DED. NEUTRAL.
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
 (ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	1489 VA	100.00%	1489 VA	Total Conn. Load: 1.6 kVA Total Est. Demand: 1.6 kVA Total Conn. Current: 2 A Total Est. Demand Current: 2 A
RECEPTACLES	0 VA	0.00%	0 VA	
AC / HEAT PUMP	0 VA	0.00%	0 VA	
HVAC	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

PANELBOARD SCHEDULE			EL2D			LOCATION: ELEC D211			FED FROM: TE2D					
60 AMP MCB			120/208 Wye			3 PH 4 W			MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 10 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT				
1	20 A	1	REC DATA D219	0.4	0.4		REC DATA D219	1	20 A	2				
3	20 A	1	REC TEACHER WORKROOM/ LOUNGE D226		0.2	0.2	REC EWC D223 (GP)	1	20 A	4				
5	20 A	1	REC FRIDGE D207 (GP)			0.2	0.2	REC FRIDGE D222 (GP)	1	20 A	6			
7	20 A	1	BC-D-2	0.5	1.0			SSI-D-21 & SSO-D-21	2	20 A	8			
9	20 A	1	BC-C-3		0.5	1.0			2	20 A	10			
11	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	12			
13	20 A	1	SPARE	0.0	0.0			SPARE	1	20 A	14			
15	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	16			
17	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	18			
19	20 A	1	SPARE	0.0	0.0			SPARE	1	20 A	20			
21	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	22			
23	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	24			
25	20 A	1	SPARE	0.0	0.0			SPARE	1	20 A	26			
27	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	28			
29	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	30			
31	20 A	1	SPARE	0.0	0.0			SPARE	1	20 A	32			
33	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	34			
35	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	36			
37	20 A	1	SPARE	0.0	0.0			SPARE	1	20 A	38			
39	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	40			
41	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	42			
				2 kVA	2 kVA	0 kVA								
				20 A	17 A	3 A								

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Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 4.3 kVA Total Est. Demand: 4.3 kVA Total Conn. Current: 12 A Total Est. Demand Current: 12 A
RECEPTACLES	1440 VA	100.00%	1440 VA	
AC / HEAT PUMP	2800 VA	100.00%	2800 VA	
HVAC	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

PANELBOARD SCHEDULE			H2D			LOCATION: ELEC D211			FED FROM: MDS					
400 AMP MCB			480/277 Wye			3 PH 4 W			MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 10 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT				
1				11.7	3.1		LTG WING 2D' ROOMS	1	20 A	2				
3	125 A	3	T2D		16.5	3.2	LTG WING 2D' ROOMS	1	20 A	4				
5						12.7	0.6	LTG WING 2C' MS MUSIC	1	20 A	6			
7				3.9	2.3					8				
9	30 A	3	AHU-D-21		3.9	2.3	AHU-D-22	3	15 A	10				
11										12				
13				3.9	0.2		FCU-D-21	1	20 A	14				
15	30 A	3	AHU-D-23		3.9	3.0				16				
17										18				
19				4.4	3.0		ERV-C	3	15 A	20				
21	25 A	3	ERV-D-1		4.4	4.4				22				
23							ERV-D-2	3	25 A	24				
25	20 A	1	LTG MECHANICAL PLATFORM MP01	0.4	4.4					26				
27	15 A	1	FCUC-31			0.2	0.0	SPARE	1	20 A	28			
29	20 A	1	SPARE	0.0	0.0			SPARE	1	20 A	30			
31	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	32			
33	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	34			
35	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	36			
37	20 A	1	SPARE	0.0	0.0			SPARE	1	20 A	38			
39	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	40			
41	20 A	1	SPARE			0.0	0.0	SPARE	1	20 A	42			
				37 kVA	42 kVA	35 kVA								
				136 A	152 A	127 A								

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Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	7333 VA	100.00%	7333 VA	Total Conn. Load: 114.1 kVA Total Est. Demand: 100.4 kVA Total Conn. Current: 137 A Total Est. Demand Current: 121 A
RECEPTACLES	37440 VA	63.35%	23720 VA	
AC / HEAT PUMP	65854 VA	100.00%	65854 VA	
HVAC	1110 VA	100.00%	1110 VA	
ELECTRIC HEAT	2400 VA	100.00%	2400 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

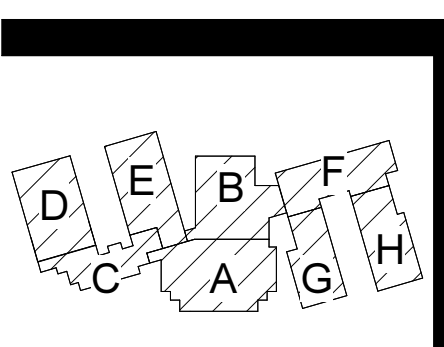
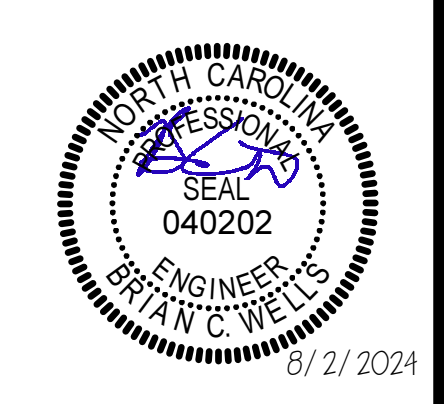
PANELBOARD SCHEDULE			EL2H			LOCATION: ELEC H215			FED FROM: TE2H					
60 AMP MCB			120/208 Wye			3 PH 4 W			MOUNT: SURFACE			PANEL ASSEMBLY RATED (KAIC): 10 KAIC		
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT				
1	20 A	1	BC-H-2	0.5	1.0		SSI-H-21 & SSO-H-21	2	20 A	2				
3	20 A	1	BC-H-3		0.5	1.0			1	20 A	4			
5	20 A	1	REC DATA H216			0.5	0.4	REC DATA H216	1	20 A	6			
7	20 A	1	REC FRIDGE H204 (GP)	0.2	0.2			REC FRIDGE H204 (GP)	1	20 A	8			
9										10				
11										12				
13										14				
15										16				
17										18				
19										20				
21										22				
23										24				
25										26				
27										28				
29										30				
31										32				
33										34				
35										36				
37										38				
39										40				
41										42				
				2 kVA	1 kVA	1 kVA								
				16 A	13 A	8 A								

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Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 4.2 kVA Total Est. Demand: 2900 VA Total Conn. Current: 12 A Total Est. Demand Current: 12 A
RECEPTACLES	1260 VA	100.00%	1260 VA	
AC / HEAT PUMP	2800 VA	100.00%	2800 VA	
HVAC	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	0 VA	0.00%	0 VA	

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	DATE:	REVISIONS
631310	AUGUST 2, 2024	
DATE:		DESCRIPTION

DATE	DESCRIPTION

PANELBOARD SCHEDULES

13 PROJECT NOTES

9 GENERAL NOTES

5 COORDINATION NOTES

1 SHEET INDEX

- 1. THE AUDIOVISUAL CONTRACTOR RESPONSIBLE FOR ALL THE WORK DESCRIBED IN THESE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE REFERRED TO THROUGHOUT THESE DOCUMENTS AS THE "CONTRACTOR".
- 2. THE AUDIOVISUAL CONTRACTOR AND ALL CONTRACTORS OF OTHER TRADES SHALL BE DEFINED BY THE GC.
- 3. THE CONTRACTOR SHALL ADHERE TO ALL BUILDING RULES AND REGULATIONS.
- 4. THE AUDIOVISUAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE AUDIOVISUAL SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR BRINGING ANY DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS AND FIELD CONDITIONS TO THE ATTENTION OF THE CONSTRUCTION MANAGER.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES AND DRAWINGS.
 - A. THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE CONSTRUCTION MANAGER.
 - B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE DRAWINGS OF ALL OTHER TRADES FOR INFORMATION THAT PERTAINS TO THE AUDIOVISUAL WORK AND IS SHOWN OR INDICATED ON THE OTHER TRADE DRAWINGS. THE CONTRACTOR SHALL IDENTIFY ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND THE DRAWINGS OF OTHER TRADES DURING THE BID PROCESS.
 - C. THE CONTRACTOR IS RESPONSIBLE FOR CLEARLY DEFINING THEIR SCOPE OF WORK. NO CHANGE ORDERS WILL BE PERMITTED DUE TO LACK OF COORDINATION WITH OTHER TRADES.
- 6. THE CONTRACTOR MUST MAINTAIN A RUNNING UPDATE OF ALL FIELD OF CONTRACT DOCUMENT CHANGES AND UPDATE THEIR "AS-BUILT" DRAWINGS AS AN ONGOING PROCESS.
- 7. THE ENTIRE AUDIOVISUAL INSTALLATION SHALL BE TESTED AS OUTLINED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE TEST RESULTS TO THE CONSULTANT FOR VERIFICATIONS.

- 1. **GROUNDING:**
ALL AUDIOVISUAL EQUIPMENT, CABLING, RACEWAY, ETC. SHALL BE GROUNDED IN ACCORDANCE WITH THE SPECIFICATIONS AND ANSI J-STD-607-A. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL GROUNDING CABLES AND HARDWARE AS REQUIRED FOR THE CONNECTION TO THE TELECOMMUNICATIONS OR BUILDING GROUNDING AND BONDING SYSTEM. ALL GROUNDING AND BONDING SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE EC.
- 2. **CABLING:**
 - A. ALL CABLING SHALL BE CONTINUOUS AND UNSPLICED.
 - B. PERMANENTLY LABEL ALL CABLING IN ACCORDANCE WITH CABLE LABEL DETAIL.
 - C. CABLES WITHIN RACKS SHALL BE BUNDLED AND LACED NEATLY TO SUPPORT MEMBERS WITH A SERVICE LOOP LARGE ENOUGH TO MAINTAIN CONVENIENT ACCESS TO ALL EQUIPMENT CONNECTIONS.
 - D. EQUIPMENT POWER CABLE SHALL BE SEPARATED FROM SIGNAL CABLES WITHIN ANY ENCLOSURE. PROVIDE THE MAXIMUM SEPERATION POSSIBLE WITHIN THE ENCLOSURE.
 - E. CABLES SHALL NOT BE ATTACHED TO CEILING GRID OR LIGHTING SUPPORT WIRES.
 - F. ALL CABLING MUST BE INSTALLED USING CONDUIT, CABLE SUPPORTS, OR CABLE TRAY. NO FREE RUNNING CABLING IS PERMITTED.
- 3. **FASTENERS, HANGERS, AND SUPPORTS:**
 - A. PROVIDE FASTENERS, SUPPORTS, AND SEISMIC RESTRAINTS TO ADEQUATELY SUPPORT AV EQUIPMENT LOADS AS REQUIRED BY APPLICABLE CODES AND THE AHJ.
 - B. CEILING OR WALL MOUNT EQUIPMENT SHALL BE SECURED TO THE APPROPRIATE STRUCTURE USING THREADED ROD OR OTHER APPROVED METHODS. HARDWARE/STRUCTURE SHALL BE RATED TO SUPPORT 5X COMBINED WEIGHT OF EQUIPMENT AND MOUNTING HARDWARE.
 - C. FASTENING METHODS MUST BE SUITABLE FOR THE MOUNTING SURFACE AND SECURELY ANCHORED SO THAT VIBRATION OR ABUSIVE PULLING ON EQUIPMENT WILL NOT WEAKEN INSTALLATION.
 - D. VERIFY SUPPORT/FASTENING METHODS FOR ALL CEILING OR WALL MOUNT EQUIPMENT WITH PROJECT STRUCTURAL ENGINEER PRIOR TO INSTALLATION. SHOP DRAWINGS AND PRODUCT DATA SUBMITTALS SHALL BE SUBMITTED TO PROJECT STRUCTURAL ENGINEER FOR APPROVAL.
- 4. **ASTHETICS:**
COORDINATE THE ELEVATION, LOCATION, FINISH, AND COLOR OF ALL PLATES, WALL SWITCHES, FLOOR BOXES, AND JUNCTION BOXES WITH THE CONSULTANT AND ARCHITECT.
- 5. **VENTILATION:**
PROVIDE ADEQUATE VENTILATION IN EQUIPMENT RACKS TO CONFORM TO THE EQUIPMENT MANUFACTURER'S TEMPERATURE REQUIREMENTS. REFERENCE MIDDLE ATLANTIC WHITE PAPER "CONTROLLING THE TEMPERATURE INSIDE EQUIPMENT ENCLOSURES".
- 6. **WORKMANSHIP:**
INSTALLATION OF ALL WORK INCLUDING CABLING SHALL BE NEAT. ALL BOXES INCLUDING THE LOUDSPEAKER ENCLOSURES, EQUIPMENT RACKS, ETC. SHALL BE PLUMB AND SQUARELY LOCATED. REPLACE/PATCH ALL CEILING, WALL, FLOOR LOCATIONS WHICH WERE REMOVED OR MODIFIED FOR THIS WORK WHEN WORK IS COMPLETE. THE JOB SITE SHALL BE LEFT CLEAN AND FREE FROM ANY MARKS OR BLEMISHES.
- 7. **DIMENSIONED LOCATIONS:**
AV DEVICE LOCATIONS ILLUSTRATED WITH DIMENSIONS ARE CRITICAL TO DESIRED PERFORMANCE. THE CONTRACTOR SHALL NOT FIELD ADJUST LOCATIONS WITHOUT COORDINATING WITH THE CONSULTANT AND ARCHITECT.
- 8. **AUDIO MUTE FIRE ALARMLIFE SAFETY:**
A NETWORK-BASED RELAY (FURNISHED BY OTHERS) SHALL BE PLACED AT EACH AV EQUIPMENT RACK LOCATION TO SUPPORT IMPLEMENTATION MUTING OF ALL AUDIO SOUND LEVELS DURING A FIRE ALARMLIFE SAFETY INITIATION. AV INTEGRATOR TO IMPLEMENT PROGRAMMING OF ALL AUDIO DSP COMPONENTS TO MUTE ALL AUDIO SIGNALS VIA RELAY CONTACT CLOSURE.

- 1. **PHYSICAL ENVIRONMENT**
PRIOR TO THE START OF ACTIVE EQUIPMENT INSTALLATION ALL EQUIPMENT SPACES SHALL BE:
 - A. CLEAN AND DUST FREE.
 - B. MAINTAINED AT A TEMPERATURE OF 72 ± 10 DEGREES FAHRENHEIT AT ALL TIMES.
 - C. MAINTAINED AT A RELATIVE HUMIDITY BETWEEN 40 AND 70 PERCENT AT ALL TIMES.
- 2. **POWER**
 - A. ALL AV EQUIPMENT SHALL BE PROVIDED DEDICATED CIRCUITS. AV EQUIPMENT SHALL NOT SHARE CIRCUITS WITH NON-AV EQUIPMENT.
 - B. ALL CIRCUITS SHALL BE 120 VAC, 60 HZ, 1-PHASE, UON.
 - C. NOMINAL ELECTRICAL VOLTAGE IS 120 VAC. VOLTAGE MUST BE MAINTAINED WITHIN ± 10 PERCENT OF NOMINAL AT ALL TIMES FOR PROPER EQUIPMENT OPERATION.
 - D. POWER CONDUIT SHALL BE SEPARATED FROM OTHER CONDUITS CONTAINING AV OR LOW-VOLTAGE CABLING. WHERE POWER CABLES OR CONDUITS MUST CROSS OTHER CONDUITS, THEY MUST DO SO AT RIGHT ANGLES.
 - E. COMPLY WITH RECOMMENDATIONS FROM BICSI TDDM AND TIA-569-D FOR SEPARATING UNSHIELDED COPPER COMMUNICATION CABLE FROM POTENTIAL EMI SOURCES, INCLUDING POWER LINES AND EQUIPMENT:
 - a. ELECTRICAL EQUIPMENT RATING LESS THAN 2 KVA: A MINIMUM OF 5".
 - b. ELECTRICAL EQUIPMENT RATING BETWEEN 2 KVA AND 5 KVA: A MINIMUM OF 12".
 - c. ELECTRICAL EQUIPMENT RATING MORE THAN 5 KVA: A MINIMUM OF 24".
 - d. SEPERATION BETWEEN COMMUNICATIONS CABLES AND ELECTRICAL MOTORS AND TRANSFORMERS, 5 KVA OR HP AND LARGER: A MINIMUM OF 48".
- 3. **CONDUIT:**
 - A. ALL CONDUITS SHALL BE CLEANED, DEBURRED, AND HAVE PULL-STRINGS INSTALLED.
 - B. ALL INTERIOR AND ABOVE GRADE CONDUIT SHALL BE SOLID FERRIC METALLIC. ALL CONDUIT BELOW GRADE SHALL BE PLASTIC. CONTRACTOR SHALL NOT CHANGE CONDUIT TYPE WITHOUT DESIGN CONSULTANT APPROVAL.
 - C. PROVIDE PULL BOXES AS REQUIRED BY CONDUIT PATH AND TIA/EIA-569 FOR CONDUIT INSTALLATION. PROVIDE PULL BOX ON CONDUIT RUNS EVERY 100' OR AFTER (2) 90 DEGREE BENDS, AND AS OTHERWISE REQUIRED BY NEC OR TIA/EIA-569. PULL BOX LENGTH SHALL BE AT LEAST 8 TIMES THE TRADE SIZE OF THE CONDUIT.
 - D. COMPLY WITH TIA/EIA-569 CONDUIT BEND RADIUS REQUIREMENTS. THE INSIDE RADIUS OF A BEND IN A CONDUIT SHALL BE AT LEAST 6 TIMES THE INTERNAL DIAMETER. WHEN THE CONDUIT SIZE IS GREATER THAN OR EQUAL TO 2 INCHES, THE INSIDE RADIUS SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT. CONDUIT PATHWAYS CONTAINING FIBER OPTIC CABLING SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT.
 - E. ALL CONDUITS, SLEEVES, AND OTHER WALL PENETRATIONS SHALL BE FIRE STOPPED, AT FIRE RATED WALLS, AS REQUIRED BY APPLICABLE CODES AND THE AHJ.
 - F. CONDUITS EXTENDING FROM A CENTRAL DISTRIBUTION LOCATION SHALL NOT SERVE MORE THAN THREE AV DEVICE BACK BOXES. BACK BOXES SHALL BE SET TO ALLOW ALL AV FACEPLATES TO BE INSTALLED TIGHT TO THE ADJACENT SURFACE.
 - G. STANDARD CONDUIT SIZE SHALL BE 1-1/4" MINIMUM TRADE SIZE, UON.

Sheet Number	Sheet Name
TA0.1	SHEET INDEX AND NOTES
TA0.2	ABBREVIATIONS AND SYMBOLS
TA0.3	SCHEDULES
TA1.1.1	FIRST FLOOR AV PLAN - PART A
TA1.1.2	FIRST FLOOR AV PLAN - PART B
TA1.2.1	SECOND FLOOR AV PLAN - PART A
TA2.2.1	SECOND FLOOR AV CEILING PLAN - AREA A
TA3.1	SECTIONS AND ELEVATIONS
TA3.2	SECTIONS AND ELEVATIONS
TA4.0	FUNCTIONAL LEGEND AND CABLING DETAILS
TA4.1	GYMNASIUM AND DINING FUNCTIONAL
TA5.1	RACK ELEVATIONS AND DETAILS
TA6.1	INTERFACE PLATES
TA7.1	COORDINATION DETAILS
TA7.2	COORDINATION DETAILS

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

SHEET INDEX AND NOTES

TA0.1

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443



THE HUBBELL ASSOCIATES
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 MOSELEYARCHITECTS.COM

13 ABBREVIATIONS

GENERAL	
(e)or(E)	EXISTING
(n)or(N)	NEW
ABA	ARCHITECTURAL BARRIERS ACT
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN WITH DISABILITIES ACT
AFC	ABOVE FINISHED CEILING
AFG	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASA	AMERICAN STANDARDS ASSOCIATION
AV	AUDIOVISUAL
AVC	AUDIOVISUAL CONTRACTOR
BFC	BELOW FINISHED CEILING
BLOG	BUILDING
CB	CEILING BOX
CL	CENTER LINE
CMU	CONCRETE MASON UNIT
CONT	CONTINUOUS
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DM	DIMENSION
DIST	DISTANCE
DWG	DRAWING
EA	EACH
EQ	EQUAL
EQUIP	EQUIPMENT
EXT	EXTERIOR
FCC	FEDERAL COMMUNICATIONS COMMISSION
FLEX	FLEXIBLE
FLR	FLOOR
F	FUTURE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GWB	GYPSUM WALL BOARD
IFC	IN FINISHED CEILING
IFF	IN FINISHED FLOOR
INFO	INFORMATION
INT	INTERIOR

GENERAL	
ISO	INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
LVI	LOW VOLTAGE INTERFACE
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
No.	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OFBI	OWNER FURNISHED CONTRACTOR INSTALLED
OFE	OWNER FURNISHED EQUIPMENT
OFI	OWNER FURNISHED OWNER INSTALLED
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMIN.
PLC	PERFORMANCE LIGHTING CONTRACTOR
PLY	PLYWOOD
PSC	PROJECTION SCREEN CONTROL
QTY	QUANTITY
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
REQD	REQUIRED
RM	ROOM
SPEC	SPECIFICATION
STD	STANDARD
TEMP	TEMPORARY
TIA/EIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION/ ELECTRONICS INDUSTRY ALLIANCE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UC	UNDER COUNTER
UL	UNDERWRITERS LABORATORY
UCB	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT

SYMBOLS	
#	POUND OR NUMBER
&	AND
@	AT
'	FOOT OR FEET
"	INCH OR INCHES
+/-	PLUS OR MINUS
<	LESS THAN
=	EQUAL
>	GREATER THAN
°	DEGREES, ANGULAR MEASURE
∩	OHM
∥	PARALLEL
∅	DIAMETER
∠	ANGLE

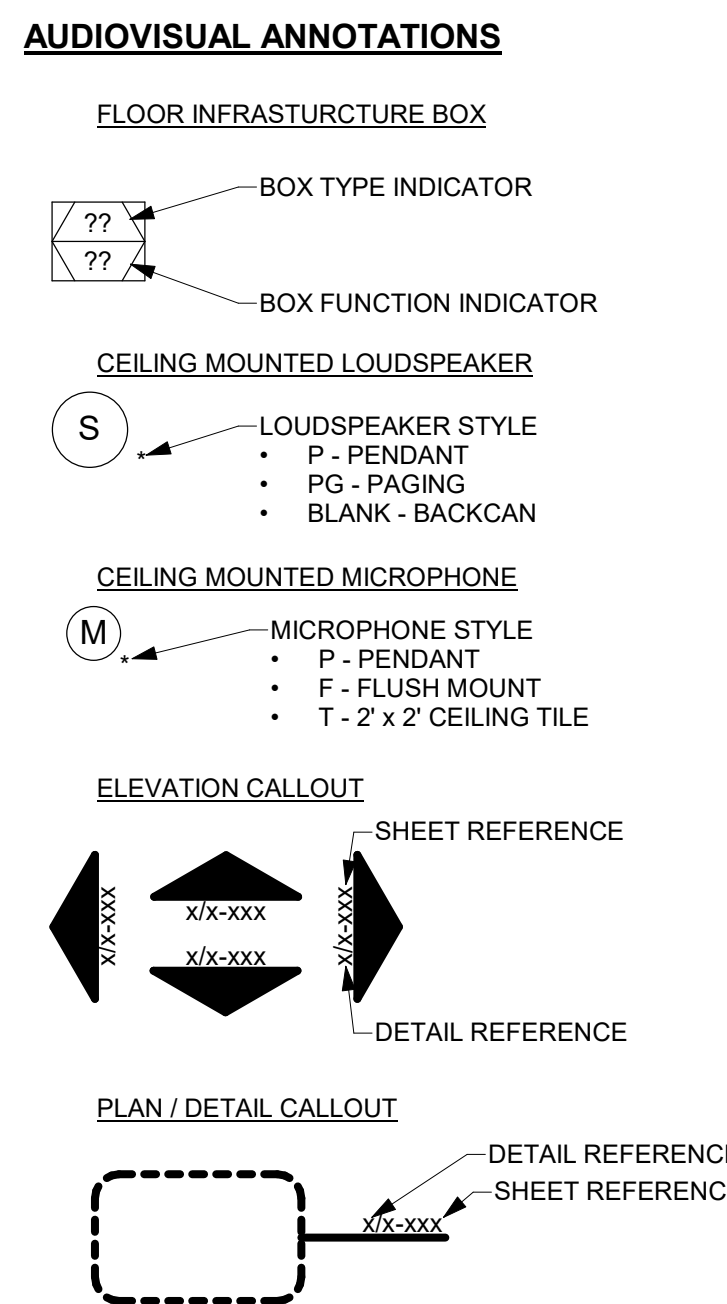
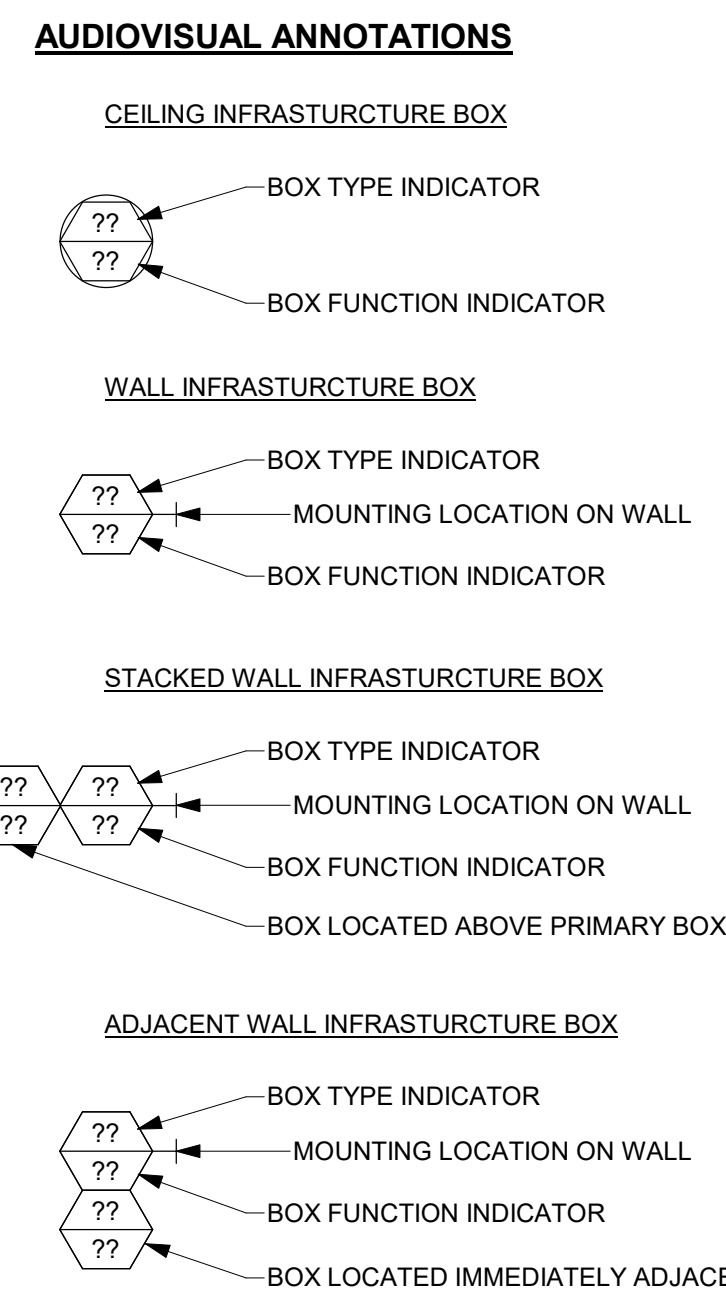
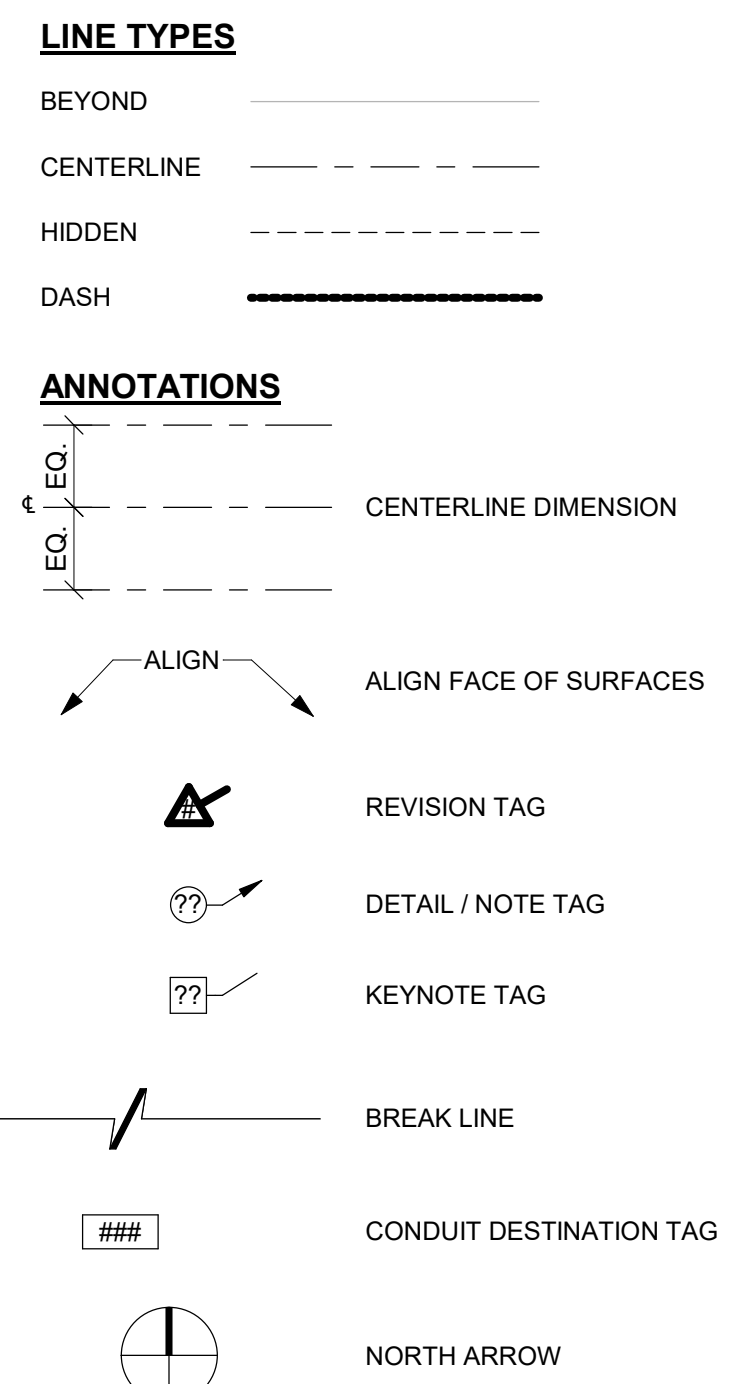
DIRECTIONAL	
DN	DOWN
EA	EAST
HORIZ	HORIZONTAL
L	LEFT
LH	LEFT HAND
N	NORTH
PERP	PERPENDICULAR
R	RIGHT
RH	RIGHT HAND
S	SOUTH
VERT	VERTICAL
W	WEST

ELECTRICAL	
A or AMP	AMPERE
C	CONDUIT
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
GRC	GALVANIZED RIGID CONDUIT
GND	GROUND
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
PB	PULL BOX
PVC	POLYVINYL CHLORIDE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VAC	VOLTS, ALTERNATING CURRENT
VDC	VOLTS, DIRECT CURRENT
W	WATT

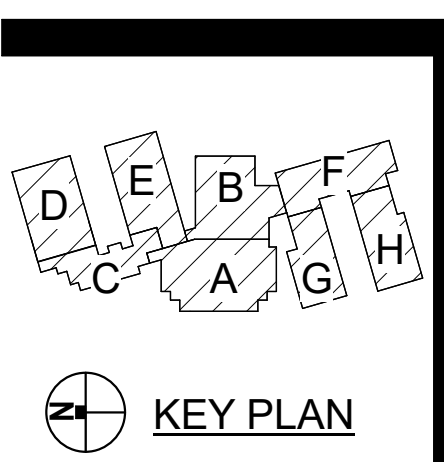
TELECOMMUNICATIONS	
FS	FIBER SHELF/FIBER TERMINATION PANEL
HH	HANDHOLE
IDF	INTERMEDIATE DISTRIBUTION FRAME
ISP	INSIDE PLANT - CABLE WITHIN A BUILDING
IT	INFORMATION TECHNOLOGY
LAN	LOCAL AREA NETWORK
MDF	MAIN DISTRIBUTION FRAME
MH	MANHOLE, MAINTENANCE HOLE
MPOE	MINIMUM POINT OF ENTRY
OSP	OUTSIDE PLANT - CABLE OUTSIDE A BUILDING
PR	PAIR
RU	RACK UNIT
SC	SPICE CLOSURE
TC	TELECOM CONTRACTOR
TELECOM	TELECOMMUNICATIONS
TR	TELECOM ROOM
WAN	WIDE AREA NETWORK

MEASUREMENTS	
BTU	BRITISH THERMAL UNIT
DIA	DIAMETER
H or HGT	HEIGHT or HIGH
ID	INSIDE DIAMETER
in	INCH
L	LENGTH or LONG
Lb	POUND
LIN	LINEAR
M	METER
mm	MILLIMETER
OD	OUTSIDE DIAMETER
R	RADIUS
W	WIDTH or WIDE

WIRE AND CABLE	
AWG	AMERICAN WIRE GAUGE
CM	CABLE MANAGEMENT
CAT3	CATEGORY 3 TWISTED PAIR COPPER CABLE
CAT4	CATEGORY 4 TWISTED PAIR COPPER CABLE
CAT5	CATEGORY 5 TWISTED PAIR COPPER CABLE
CAT5e	CATEGORY 5 ENHANCED TWISTED PAIR COPPER CABLE
CAT6	CATEGORY 6 TWISTED PAIR COPPER CABLE
CAT6A	CATEGORY 6A TWISTED PAIR COPPER CABLE
COAX	COAXIAL CABLE
FO	FIBER OPTIC
FUTP	FOILED, UNSHIELDED TWISTED PAIR CABLE
MM	MULTIMODE FIBER OPTIC CABLE
MPP	NEC, MULTIPURPOSE PLENUM CABLE
SM	SINGLE MODE FIBER OPTIC CABLE
STP	SHIELDED TWISTED PAIR CABLE
UTP	UNSHIELDED, FOILED TWISTED PAIR CABLE
UTP	UNSHIELDED TWISTED PAIR
WM	WIRE MANAGEMENT



5 SYMBOL LIST



PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

1 INFRASTRUCTURE SCHEDULE

DISPLAY LOCATION/DESCRIPTION	QTY.	DISPLAY SIZE - DIAGONAL (INCHES)	FORMAT	MOUNTING ORIENTATION	WEIGHT	MANUFACTURER	MODEL	SCREEN TYPE	BLACK MASKING	BLACK DROP (INCHES)	LOW VOLTAGE INTERFACE
PLATFORM A140 - MS GYM SIDE	1	300	16:9	WALL RECESSED	495 LBS	DRAPER	PARAGON V	XT1000X	YES	36"	YES
PLATFORM A140 - MS/ES DINING SIDE	1	184	16:9	WALL RECESSED	200 LBS	DRAPER	PREMIER XL	XT700V	YES	12"	YES

2 PROJECTION SCREEN SCHEDULE

SYMBOL	DESCRIPTION	TYPE, SIZE, FLUSH MOUNT (UON)	FURNISHED / INSTALLED BY	MOUNTING HEIGHT	MOUNT LOCATION (UON)	BLOCKING	COORDINATION DETAIL	INTERFACE PLATE DETAIL	NOTES
	VIDEO PROJECTOR CEILING BOX	4-SQUARE 2-1/2" DEEP BOX	EC/EC	--	CEILING	--	DETAIL 1/TA7.2	--	EC SHALL FURNISH AND INSTALL (1) 16A/208VAC IEC C19 OUTLET ON DEDICATED CIRCUIT
	OVERHEAD LOUDSPEAKER CEILING BOX	4-SQUARE 2-1/2" DEEP BOX	EC/EC	--	CEILING	--	DETAIL 7/TA7.1	--	--
	SCORE TABLE AV FLOOR BOX	4-GANG FLOOR BOX, WIREMOLD EFB45 (BASIS OF DESIGN)	EC/EC	--	FLOOR	--	DETAIL 13/TA7.1	DETAIL 1/TA6.1	EC SHALL FURNISH AND INSTALL (1) 20A/120VAC DUPLEX RECEPTACLE ON DEDICATED CIRCUIT; TC SHALL FURNISH AND INSTALL (2) PROJECT STANDARD DATA DROPS LOCATED IN BOX.
	PROJECTION SCREEN LOW VOLTAGE INTERFACE	PROVIDED WITH PROJECTION SCREEN	EC/EC	--	WALL	--	--	--	EC SHALL FURNISH AND INSTALL (1) 120VAC DEDICATED CIRCUIT WIRED TO LOW-VOLTAGE INTERFACE FOR SCREEN OPERATION
	ADA ANTENNA WALL BOX	2-GANG, 2-1/2" DEEP WALL BOX	EC/EC	15' AFF	WALL	N	DETAIL 15/TA7.1	--	--
	MICROPHONE ANTENNA WALL BOX	2-GANG, 2-1/2" DEEP WALL BOX	EC/EC	10' AFF	WALL	N	DETAIL 1/TA7.1	--	--
	AV INPUT WALL BOX	5-GANG, 2-1/2" DEEP WALL BOX	EC/EC	OUTLET HEIGHT	WALL	N	DETAIL 4/TA7.1	DETAIL 6/TA6.1	EC SHALL FURNISH AND INSTALL (1) DUPLEX RECEPTACLE ADJACENT TO BOX; TC SHALL FURNISH AND INSTALL (2) PROJECT STANDARD DATA DROPS LOCATED IN BOX.
	AV INPUT WALL BOX	4-GANG, 2-1/2" DEEP WALL BOX	EC/EC	OUTLET HEIGHT	WALL	N	DETAIL 4/TA7.1	DETAIL 5/TA6.1	EC SHALL FURNISH AND INSTALL (1) DUPLEX RECEPTACLE ADJACENT TO BOX; TC SHALL FURNISH AND INSTALL (2) PROJECT STANDARD DATA DROPS LOCATED IN BOX.
	VIDEO PROJECTOR WALL BOX	2-GANG, 2-1/2" DEEP WALL BOX	EC/EC	11' AFF	WALL	N	DETAIL 5/TA7.2	--	EC SHALL FURNISH AND INSTALL (1) 16A/208VAC IEC C19 OUTLET ON DEDICATED CIRCUIT
	AV STAGE WALL BOX	2-GANG, 2-1/2" DEEP WALL BOX	EC/EC	OUTLET HEIGHT	WALL	N	DETAIL 4/TA7.1	DETAIL 9/TA6.1	EC SHALL FURNISH AND INSTALL (1) DUPLEX RECEPTACLE ADJACENT TO BOX
	WALL MOUNT LOUDSPEAKER	2-GANG, 2-1/2" DEEP WALL BOX	EC/EC	20'-9" AFF	WALL	N	DETAIL 11/TA7.1	--	--
	TOUCH PANEL WALL BOX	2-GANG, 2-1/2" DEEP WALL BOX	EC/EC	SWITCH HEIGHT	WALL	N	DETAIL 5/TA7.1	DETAIL 7/TA6.1	--
	AV RACK	PER SPEC SECTION 27 4116	AVC/AVC	--	--	Y	DETAIL 1/TA5.1	--	EC SHALL FURNISH (2) 20A/120VAC DUPLEX RECEPTACLES ON DEDICATED CIRCUITS; TC SHALL FURNISH AND INSTALL (4) PROJECT STANDARD DATA DROPS TO RACK.



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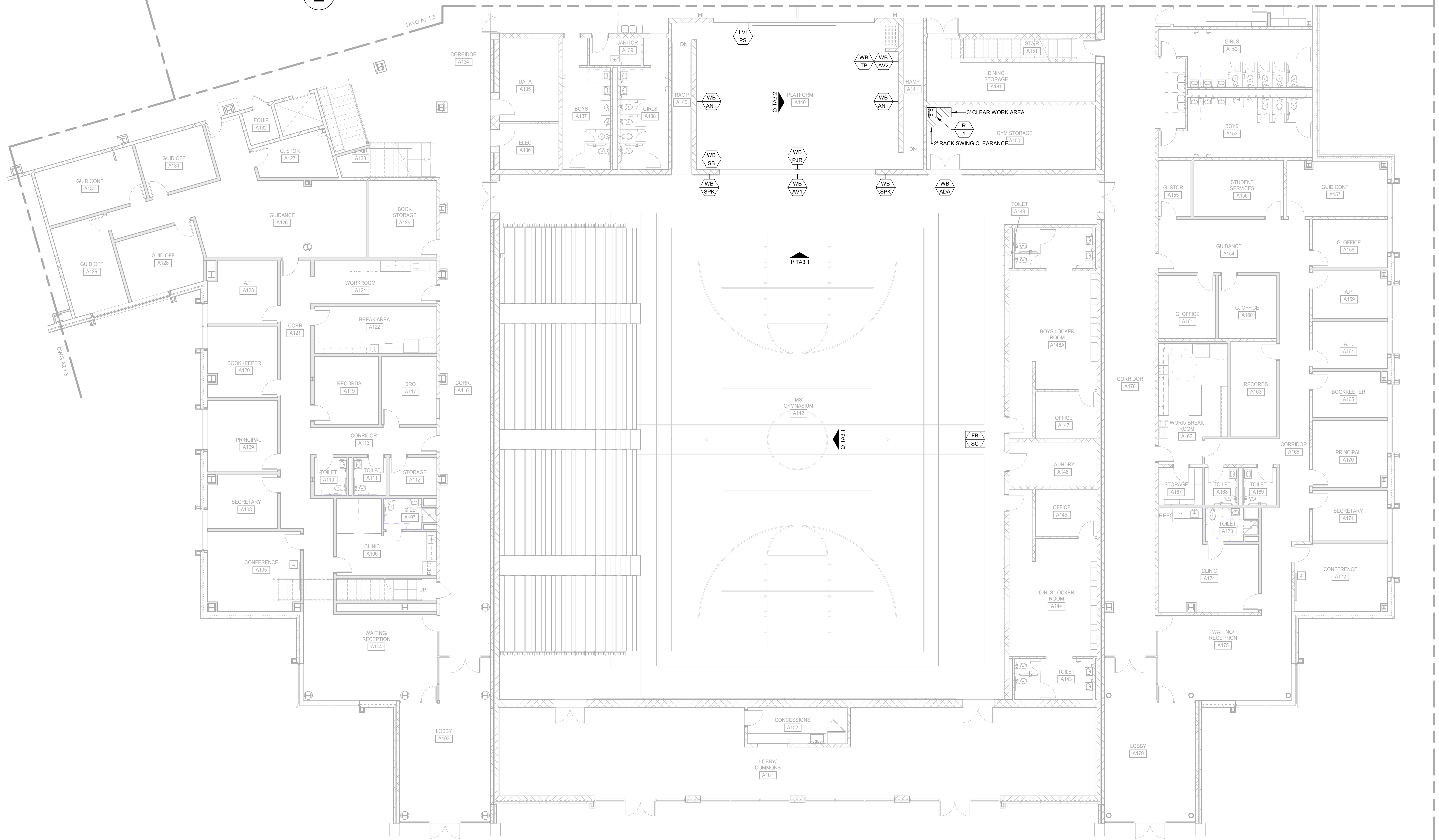
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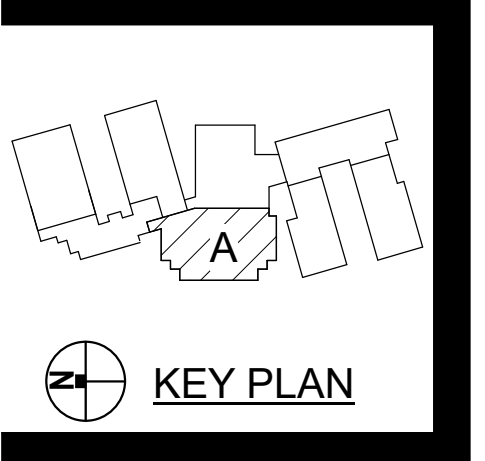
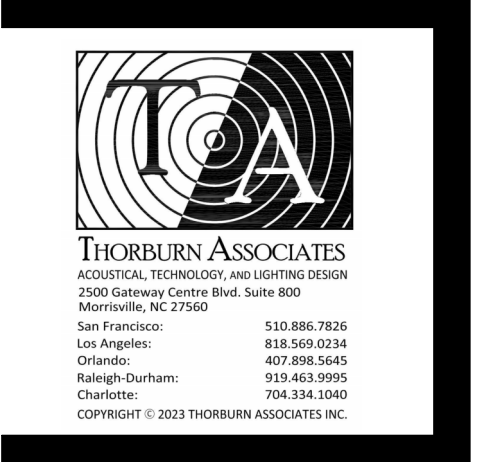
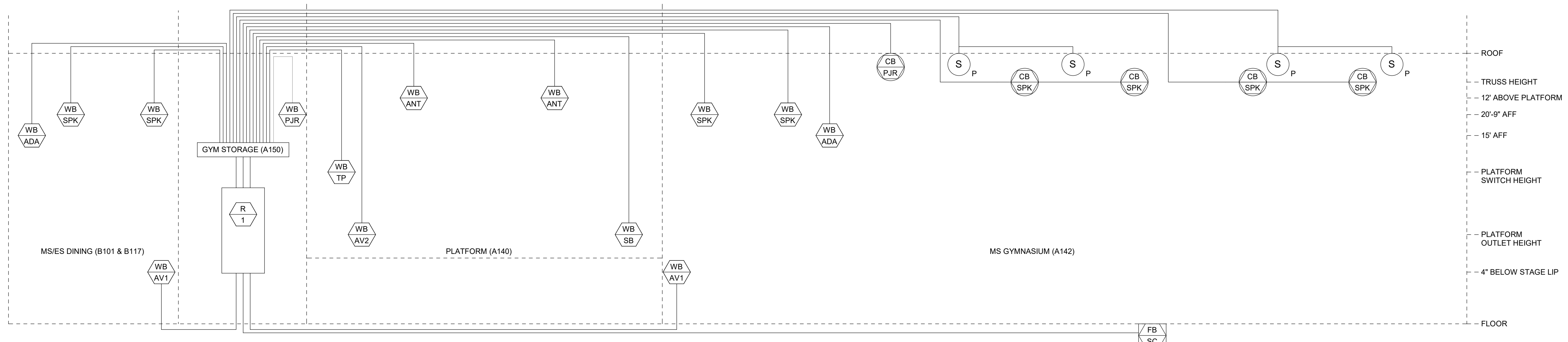
1 FIRST FLOOR AV PLAN - PART A

SCALE: 1/8" = 1'-0"

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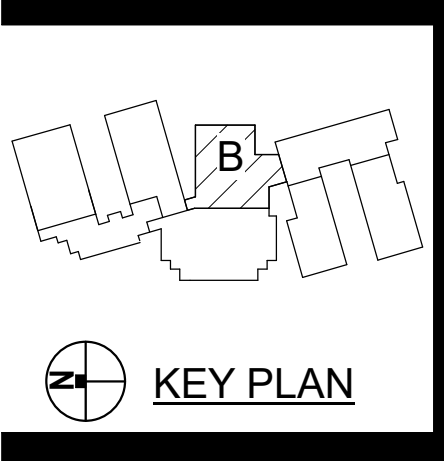
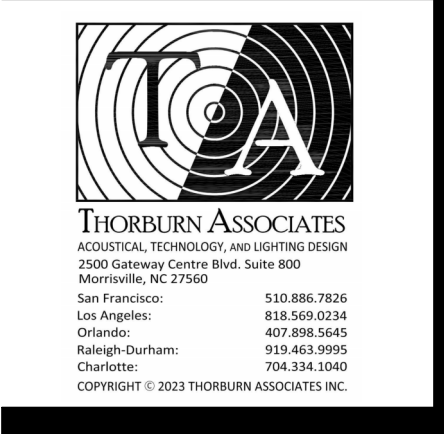
2 RISER DIAGRAM - MS GYMNASIUM (A142) AND MS/ES DINING



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DATE	DESCRIPTION



1 FIRST FLOOR AV PLAN - PART B
SCALE: 1/8" = 1'-0"

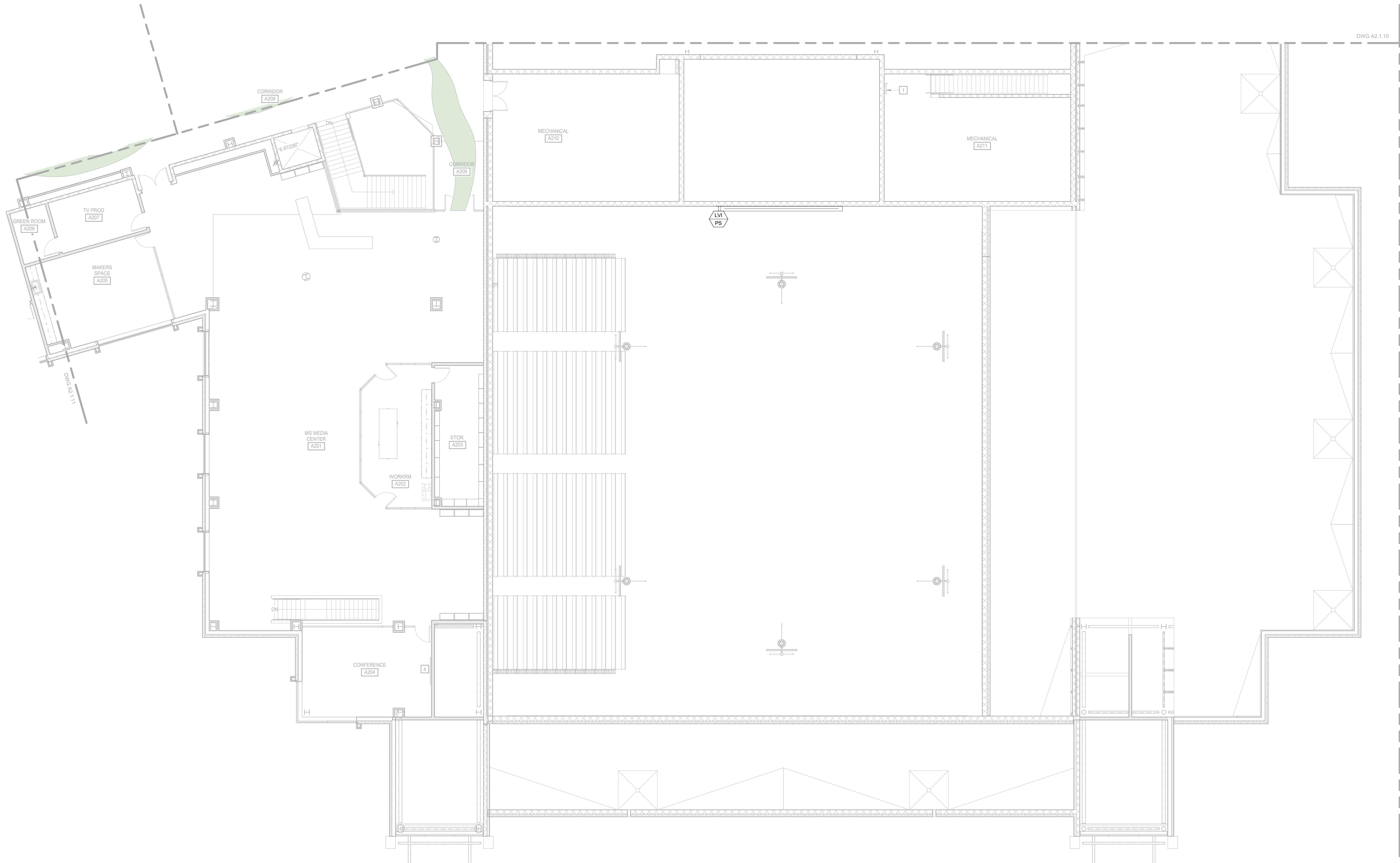


PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
Highway 210, Hampstead, NC 28443

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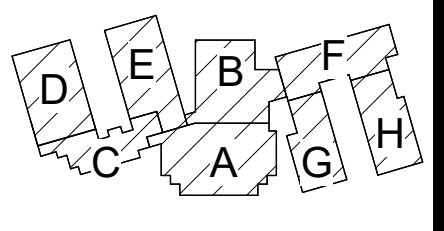
DWG A2.1.10

1 SECOND FLOOR AV PLAN - PART A
SCALE: 1/8" = 1'-0"

MOSELEYARCHITECTS



TIM MURRAY ASSOCIATES
ARCHITECTS, INC.
2000 UNIVERSITY DRIVE, SUITE 200
RICHMOND, VA 23260
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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

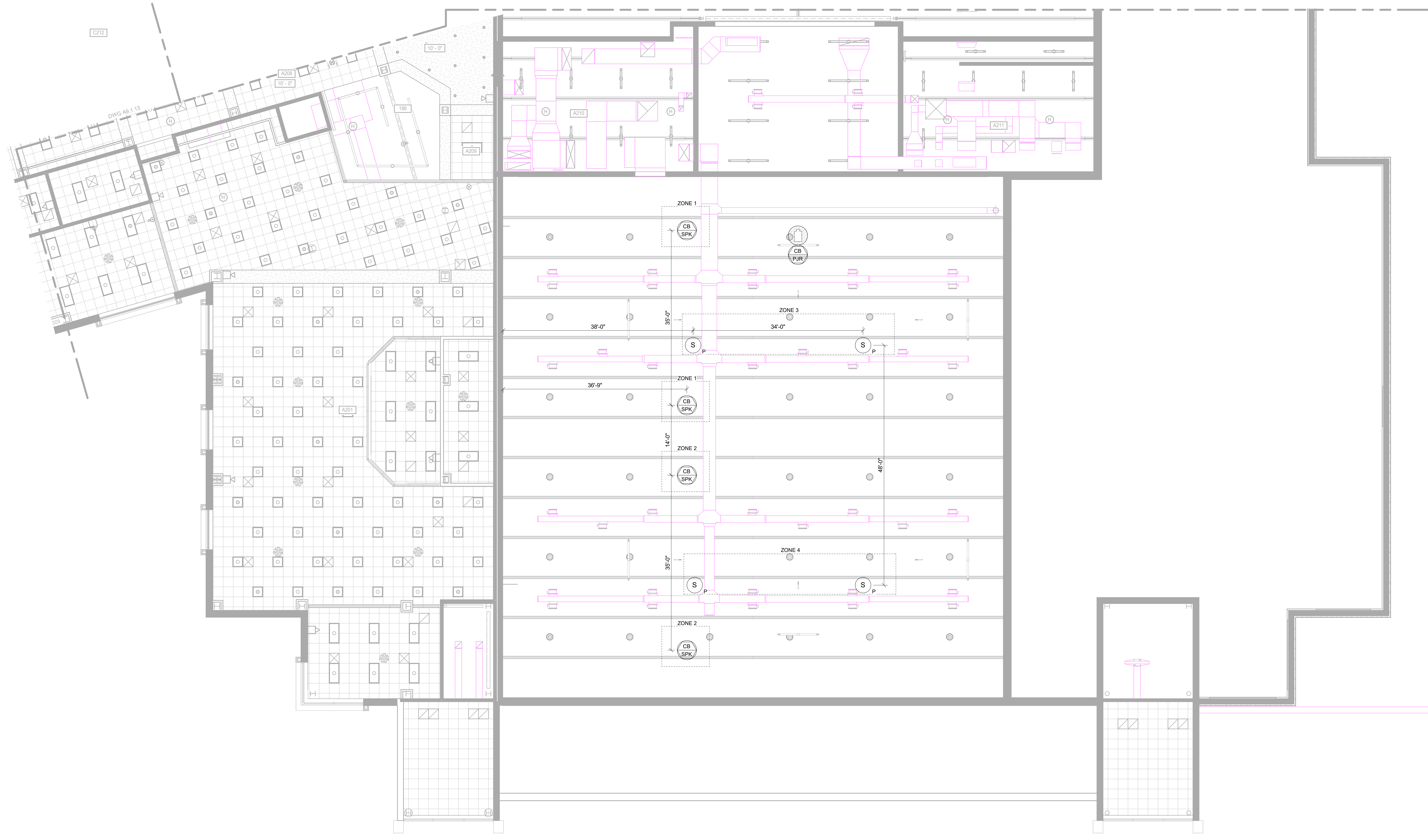
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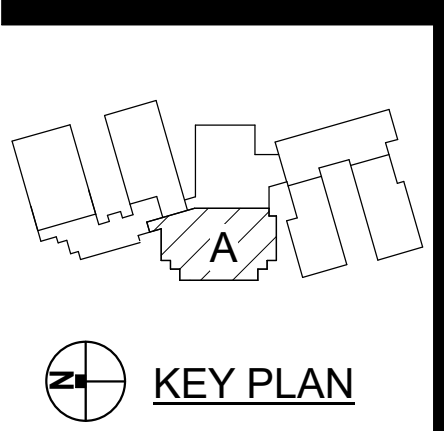
SECOND FLOOR AV
PLAN - PART A

TA1.2.1

1 2 3 4 5 6 7 8 9 10



1 SECOND FLOOR AV CEILING PLAN - AREA A
SCALE: 1/8" = 1'-0"



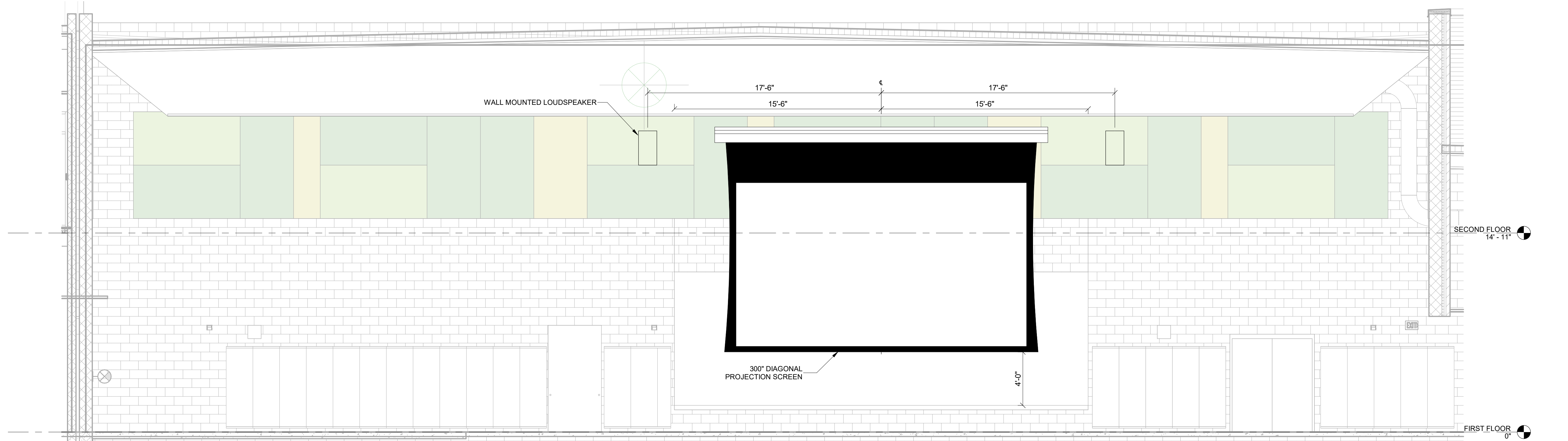
PENDER COUNTY SCHOOLS K-8 SCHOOL
Pender County Schools
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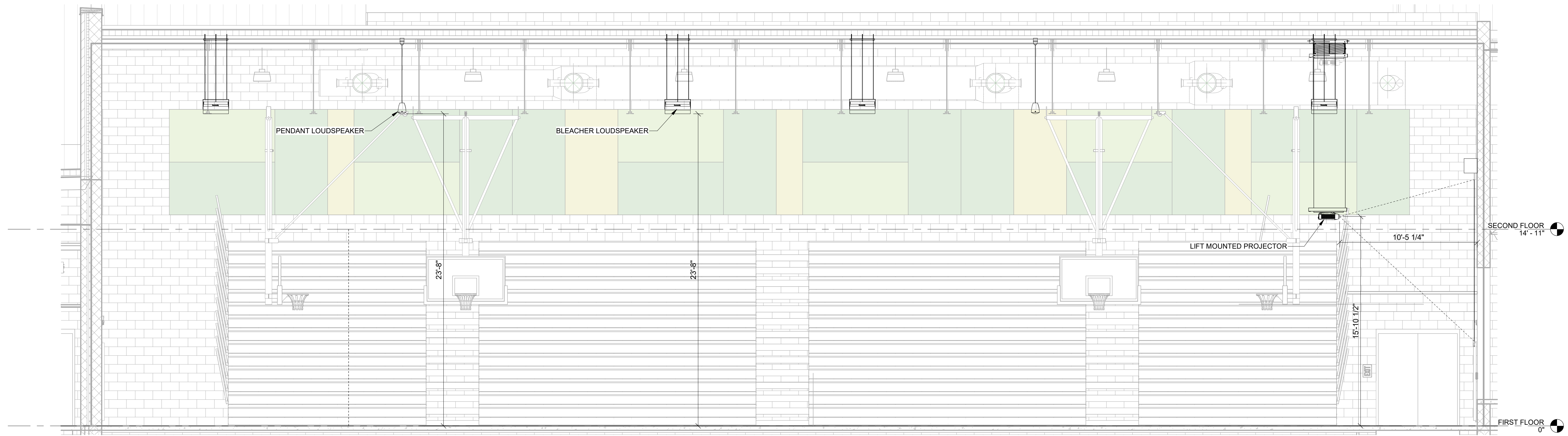
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DATE	DESCRIPTION

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1 MS GYMNASIUM (A142) NORTH ELEVATION
SCALE: 1/4" = 1'-0"



2 MS GYMNASIUM (A142) WEST ELEVATION
SCALE: 1/4" = 1'-0"



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PENDER COUNTY SCHOOLS K-8 SCHOOL

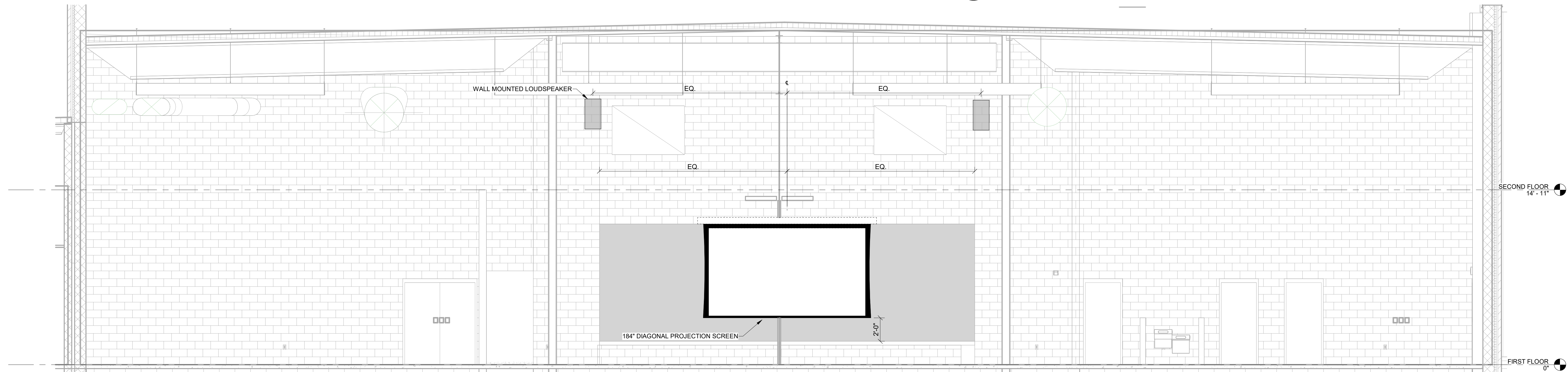


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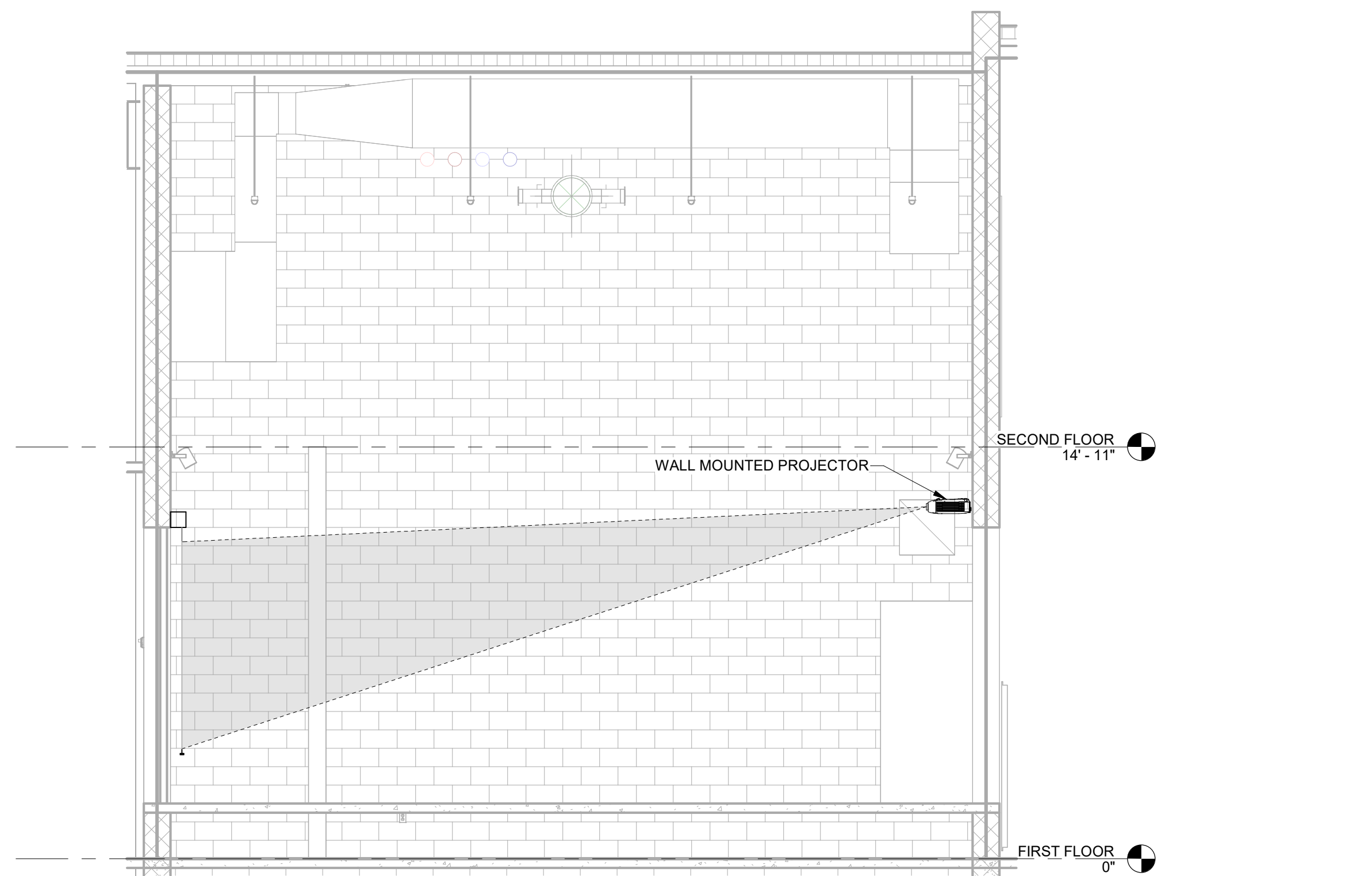
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1 MS/ES DINING (B101/B117) SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



2 PLATFORM (A140) EAST ELEVATION
SCALE: 1/4" = 1'-0"

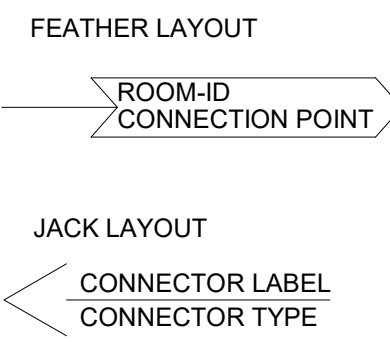
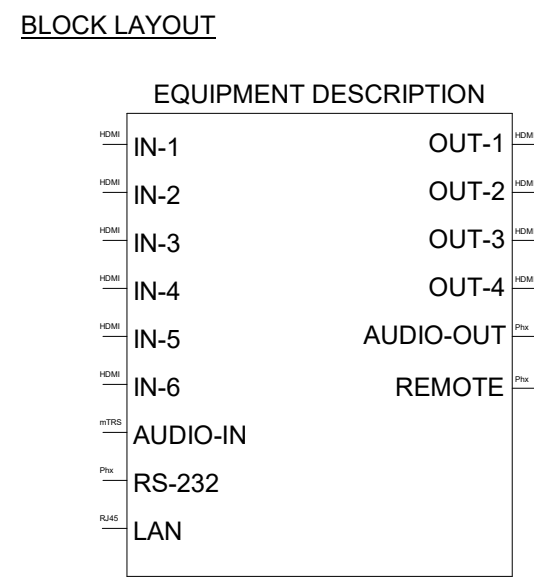


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DATE	DESCRIPTION

13 FUNCTIONAL LEGEND AND ABBREVIATIONS



- CABLE TYPES**
- A. CONDUCTOR JACKETS SHALL BE COLOR-CODED TO ENABLE CONSISTENT PHASING.
 - B. USE PLENUM RATED CABLE WHERE REQUIRED BY CODE.
 - C. MICROPHONE/LINE LEVEL CABLE: SHIELDED, STRANDED 20 AWG, TWISTED PAIR CABLE.
 - D. PROGRAM LOUDSPEAKER CABLE: STRANDED 12 AWG, TWISTED-PAIR CABLE.
 - E. DISTRIBUTED LOUDSPEAKER CABLE: UNDER 200 FEET FROM POWER AMPLIFIER, STRANDED 18 AWG, TWISTED-PAIR CABLE.
 - F. DISTRIBUTED LOUDSPEAKER CABLE: OVER 200 FEET FROM POWER AMPLIFIER, STRANDED 16 AWG, TWISTED-PAIR CABLE.
 - G. CONTROL CABLE: SHIELDED, STRANDED 22 AWG CABLE.

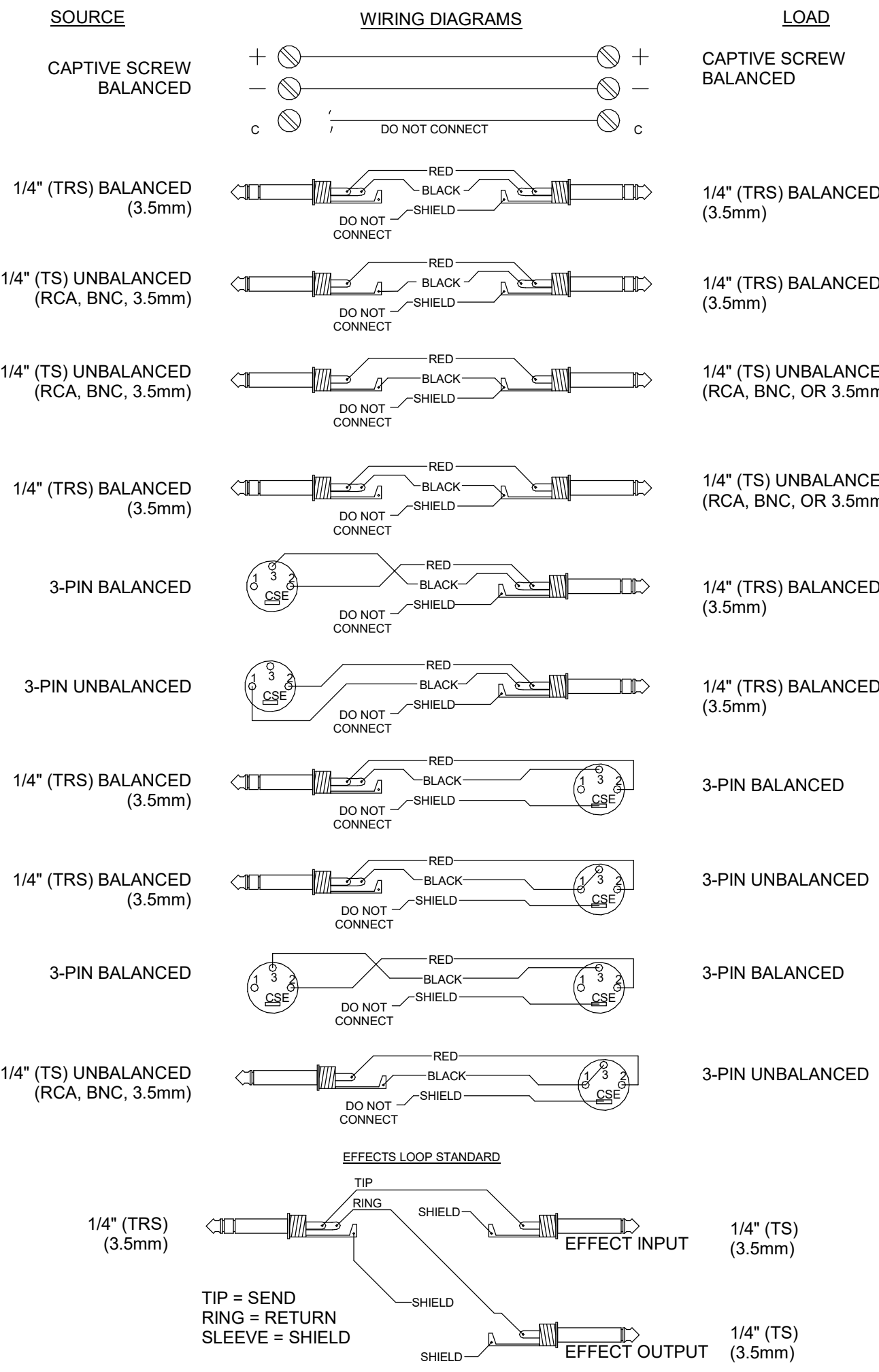
EQUIPMENT TYPE ABBREVIATIONS

ADA AUDIO DISTRIBUTION AMPLIFIER	OFE OWNER FURNISHED EQUIPMENT
AFT AM/FM TUNER	PBA AUDIO PATCH BAY
AMP AUDIO AMPLIFIER	PBC CONTROL PATCH BAY
ANT ANTENNA	PBN NETWORK PATCH BAY
APU AUDIO PROCESSING UNIT	PBS LOUDSPEAKER PATCH BAY
ASW AUDIO SWITCHER	PBV VIDEO PATCH BAY
ATC AUDIO CONFERENCE UNIT	PBX GENERIC PATCH BAY
ATS AUDIO TEST SYSTEM	PJR PROJECTOR
AUM AUDIO MONITOR	PJS PROJECTION SCREEN
AVS AUDIO/VIDEO SWITCHER	PRE PRE-AMPLIFIER
BLU BLU-RAY PLAYER	PRO SIGNAL PROCESSOR
BRI NETWORK BRIDGE	PSU POWER SUPPLY
CAM VIDEO CAMERA	PTU PAN TILT UNIT
CCU CLOSED CAPTIONING DECODER	RCS REMOTE CONTROL SYSTEM
CEN CHARACTER GENERATION	REC RECORDER
CNV CONVERTER	RTR ROUTER
CRU CENTRAL PROCESSING UNIT	SCA SCALER
CSI CONTROL SYSTEM INTERFACE	SMP STREAMING MEDIA PROCESSOR/PLAYER
CSP CONTROL SYSTEM PROCESSOR	SPK LOUDSPEAKER
CTL CONTROL PROCESSOR	SPT SPLITTER
DOC DOCUMENT CAMERA	SRC SURROUND PROCESSOR
DSP DIGITAL SIGNAL PROCESSOR	SRX SCALING RECEIVER
DVD DIGITAL VIDEO DISC PLAYER	SUB SUBWOOFER
DVS DIGITAL VIDEO SOURCE	SWT TOGGLE SWITCH
EXT EXTENDER	SWC NETWORK SWITCH
FOR FIBER OPTIC RECEIVER	TBK TERMINATION BLOCK
FOT FIBER OPTIC TRANSMITTER	TPR TWISTED PAIR RECEIVER
FPD FLAT PANEL DISPLAY	TPT TWISTED PAIR TRANSMITTER
HPH HEADPHONE	TS TERMINAL STRIP
HST HANDHEAD SET	TUN TV/R/F TUNER
ICU INTERCOM UNIT	VCA VOLTAGE CONTROLLED AMPLIFIER
IFP INTERFACE PANEL	VDS VIDEO SERVER
INJ POWER INJECTOR	VFX VIDEO EFFECTS PROCESSOR
JBX JUNCTION BOX	VOL VOLUME CONTROL
KBD KEYBOARD	VPI VIDEO PROJECTOR
KVM KVM EXTENDER	VPU VIDEO PROCESSING UNIT
LCS LIGHTING CONTROL SYSTEM	VSG VIDEO SYNC GENERATOR
LND LANYARD	VTC VIDEO CONFERENCE UNIT
MIC MICROPHONE	VTS VIDEO TEST SYSTEM
MIX MIXER	WVP VIDEO WALL PROCESSOR
MON MONITOR	WAP WIRELESS ACCESS POINT
MSE MOUSE	WRX WIRELESS RECEIVER
MIX MATRIX SWITCHER	WTP WIRELESS TOUCH PANEL
NEI NETWORK INTERFACE	WTX WIRELESS TRANSMITTER
NMI NETWORK MOBILE INTERFACE	XFR TRANSFORMER

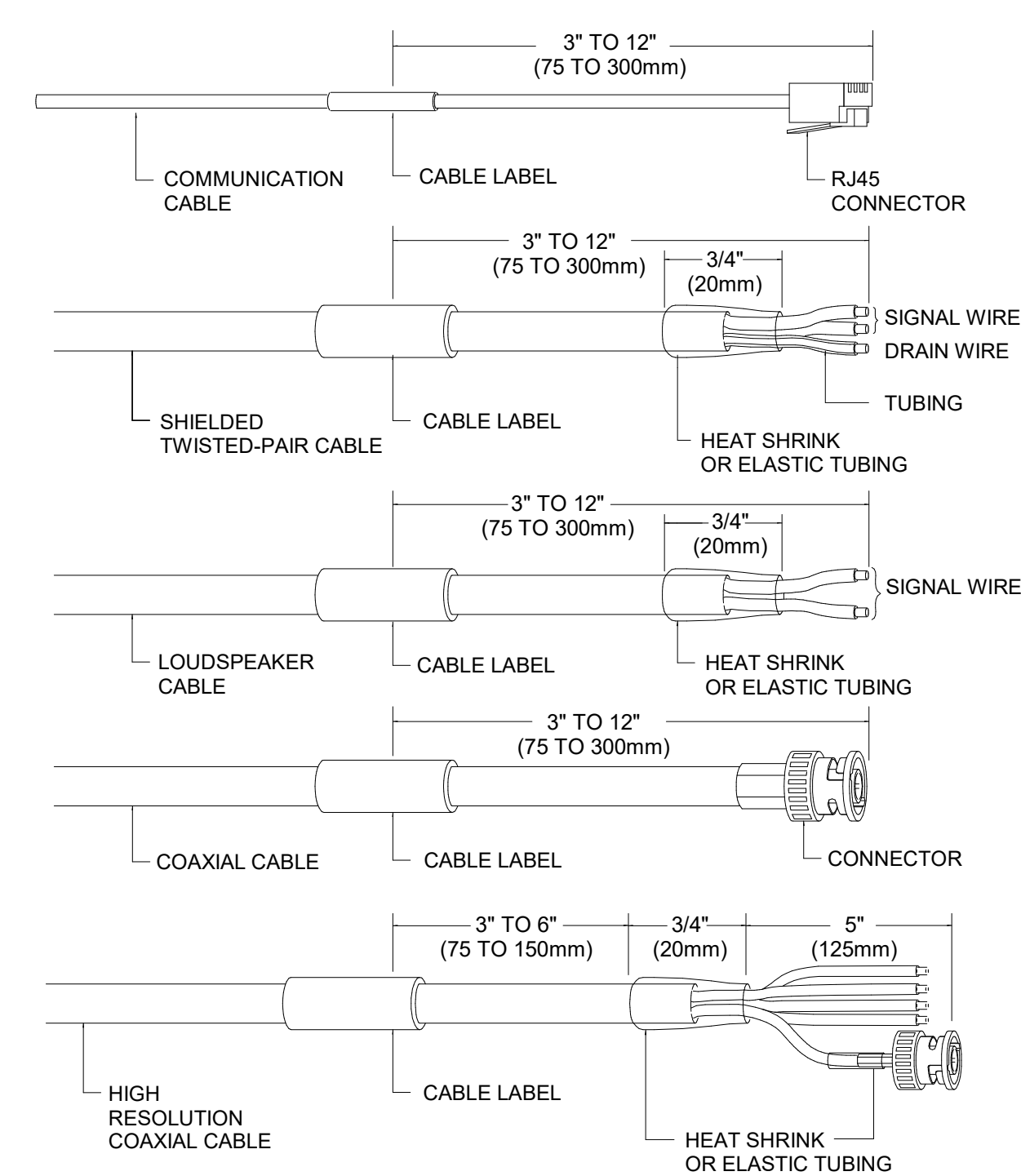
CONNECTOR TYPES

\$ UNKNOWN CONNECTOR
AC AC POWER OUTLET
B BNC
B2 TWO BNC'S COUNTED AS ONE CONNECTOR
B3 THREE BNC'S COUNTED AS ONE CONNECTOR
B4 FOUR BNC'S COUNTED AS ONE CONNECTOR
B5 FIVE BNC'S COUNTED AS ONE CONNECTOR
B6 SIX BNC'S COUNTED AS ONE CONNECTOR
BJ BANANA JACK
Bp BINDING POST
D15F 15-PIN CONNECTOR (FEMALE)
D15M 15-PIN CONNECTOR (MALE)
D9F 9-PIN CONNECTOR (FEMALE)
D9M 9-PIN CONNECTOR (MALE)
DP DISPLAY PORT CONNECTOR
DV-H DIGITAL VIDEO INTERFACE CONNECTOR (DIGITAL)
DV-H DIGITAL VIDEO INTERFACE CONNECTOR (DIGITAL/ANALOG)
F THREADED ROUND 2-CONDUCTOR CONNECTOR
HDMI 19-PIN HDMI TYPE-A
IEC UNIVERSAL 3-PIN POWER CORD (LINE/NEUTRAL/GROUND)
IR INFRARED PORT
L LIGHTNING CONNECTOR
LC OPTICAL FIBER CONNECTOR
mDh3 3-PIN MINI-DIN CONNECTOR
mDh4 4-PIN MINI-DIN CONNECTOR
mDh6 6-PIN MINI-DIN CONNECTOR
mDh8 8-PIN MINI-DIN CONNECTOR
mDP MINI-DISPLAY PORT CONNECTOR
mIUSB MICRO-USB TYPE-B CONNECTOR
mTRRS 3.5MM MINI-TIP-RING-RING-SLEEVE CONNECTOR
mTRS 3.5MM MINI-TIP-RING-SLEEVE CONNECTOR
mTS 3.5MM MINI-TIP-RING-SLEEVE CONNECTOR
mUSB MINI-USB TYPE-B CONNECTOR
mX4F MINI-XLR 4-PIN (FEMALE)
mX4M MINI-XLR 4-PIN (MALE)
MOLE MOLEX
Phx PHOENIX-TYPE CAPTIVE SCREW CONNECTOR
R RCA OR PHONO CONNECTOR
R3 THREE RCA'S COUNTED AS ONE CONNECTOR
RF WIRELESS/RADIO FREQUENCY TRANSMISSION
RJ11 4-PIN MODULAR CONNECTOR
RJ12 6-PIN MODULAR CONNECTOR
RJ14 8-PIN MODULAR CONNECTOR
RJ45 8-PIN MODULAR CONNECTOR
ST SCREW TERMINAL
S OPTICAL FIBER CONNECTOR
SPG SPRING TERMINAL
SPKON SPEAK-ON CONNECTOR
ST OPTICAL FIBER CONNECTOR
TB TERMINAL BLOCK
TOSLK TOSLINK CONNECTOR
TR5 1/4" TIP-RING-SLEEVE CONNECTOR
TS 1/4" TIP-SLEEVE CONNECTOR
USBa USB TYPE-A CONNECTOR (RECTANGULAR)
USBb USB TYPE-B CONNECTOR (SQUARE)
USBc USB TYPE-C CONNECTOR (ROUNDED FLAT)
X3F XLR 3-PIN (FEMALE)
X3M XLR 3-PIN (MALE)
X4F XLR 4-PIN (FEMALE)
X4M XLR 4-PIN (MALE)
X5F XLR 5-PIN (FEMALE)
X5M XLR 5-PIN (MALE)
X6F XLR 6-PIN (FEMALE)
X6M XLR 6-PIN (MALE)
XTRS 3-PIN XLR CENTERED AROUND A TRS (FEMALE)

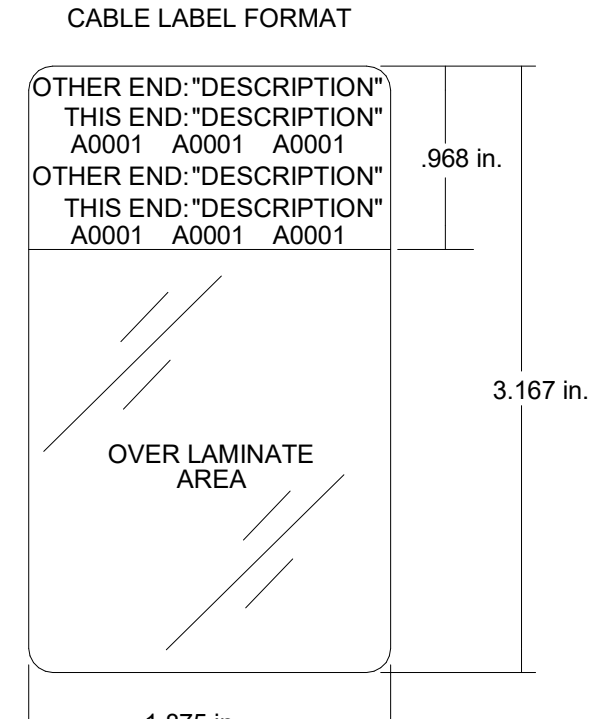
6 LINE LEVEL PINOUT



2 CABLE LABEL AND TERMINATION



5 CABLE LABEL DETAIL

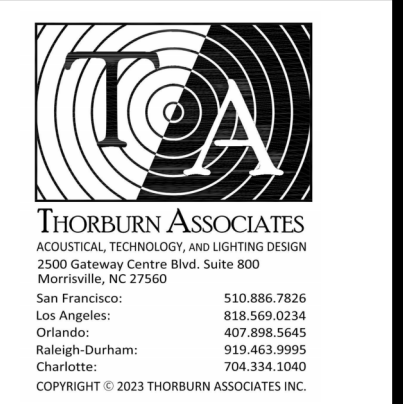


- ALL CABLE LABELS WILL HAVE:
- "BRADY" LAT-27-361 SELF-LAMINATING LABELS - OR EQUAL.
 - TEXT OVER WRAPPED BY CLEAR VINYL, ON ALL LABELS.
 - VISIBLE AND LEGIBLE TEXT AFTER INSTALLATION IN RACK AND IN CABLE BUNDLES.
 - BEEN PLACED BETWEEN 3" AND 12" FROM THE CABLE END.
 - BEEN AFFIXED TO BOTH ENDS OF EVERY CABLE.

1 FUNCTIONAL NOTES

1. **AUDIO CONNECTORS:** ALL CONNECTIONS TO SCREW CLAMP OR BINDING POST TERMINALS REQUIRE APPROPRIATELY COLOR CODED FLANGED OR SNAP SPADE TYPE LUGS. BARE WIRE CONNECTED TO A BINDING POST IS NOT ACCEPTABLE. GAS TIGHT INSULATION DISPLACEMENT "PUNCH-DOWN BLOCKS" ARE ACCEPTABLE TERMINAL CONNECTIONS FOR MICROPHONE AND LINE LEVEL INTERCONNECTIONS.
2. **VIDEO CONNECTORS:** ALL COAXIAL CABLE CONNECTIONS SHALL BE MADE WITH CRIMP TYPE CONNECTORS FOR BOTH SHIELD AND INNER CONDUCTOR. INSTALL WITH MANUFACTURER'S APPROVED ASSEMBLY METHODS AND TOOLS. CONNECTORS ATTACHED TO COAXIAL CABLE SHALL BE BNC STYLE CONNECTORS. USE BNC TO VHF ADAPTER OR BNC TO RCA ADAPTER AS APPROPRIATE FOR THE EQUIPMENT BEING CONNECTED.
3. **RF CONNECTORS:** ALL RF CABLE CONNECTIONS SHALL BE MADE WITH CRIMP TYPE CONNECTORS FOR BOTH THE SHIELD AND INNER CONDUCTOR. INSTALL WITH MANUFACTURER'S APPROVED ASSEMBLY METHODS AND TOOLS. CONNECTORS ATTACHED TO RF CABLE SHALL BE "F" STYLE CONNECTORS.
4. **MARKINGS:** PERMANENTLY MARK ALL CONNECTORS, CABLES, AND CABLE TERMINATIONS TO INDICATE THEIR FUNCTION AS IT CORRESPONDS TO THE WIRING DIAGRAM. ALL CABLE PAIRS SHALL BE CODED WITH CONSISTENT COLOR-CODED MARKINGS TO INDICATE THEIR FUNCTION. SEE CABLE LABEL DETAIL - SEE DETAIL C17A6D1.

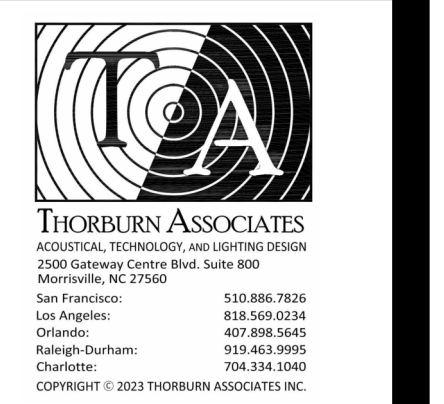
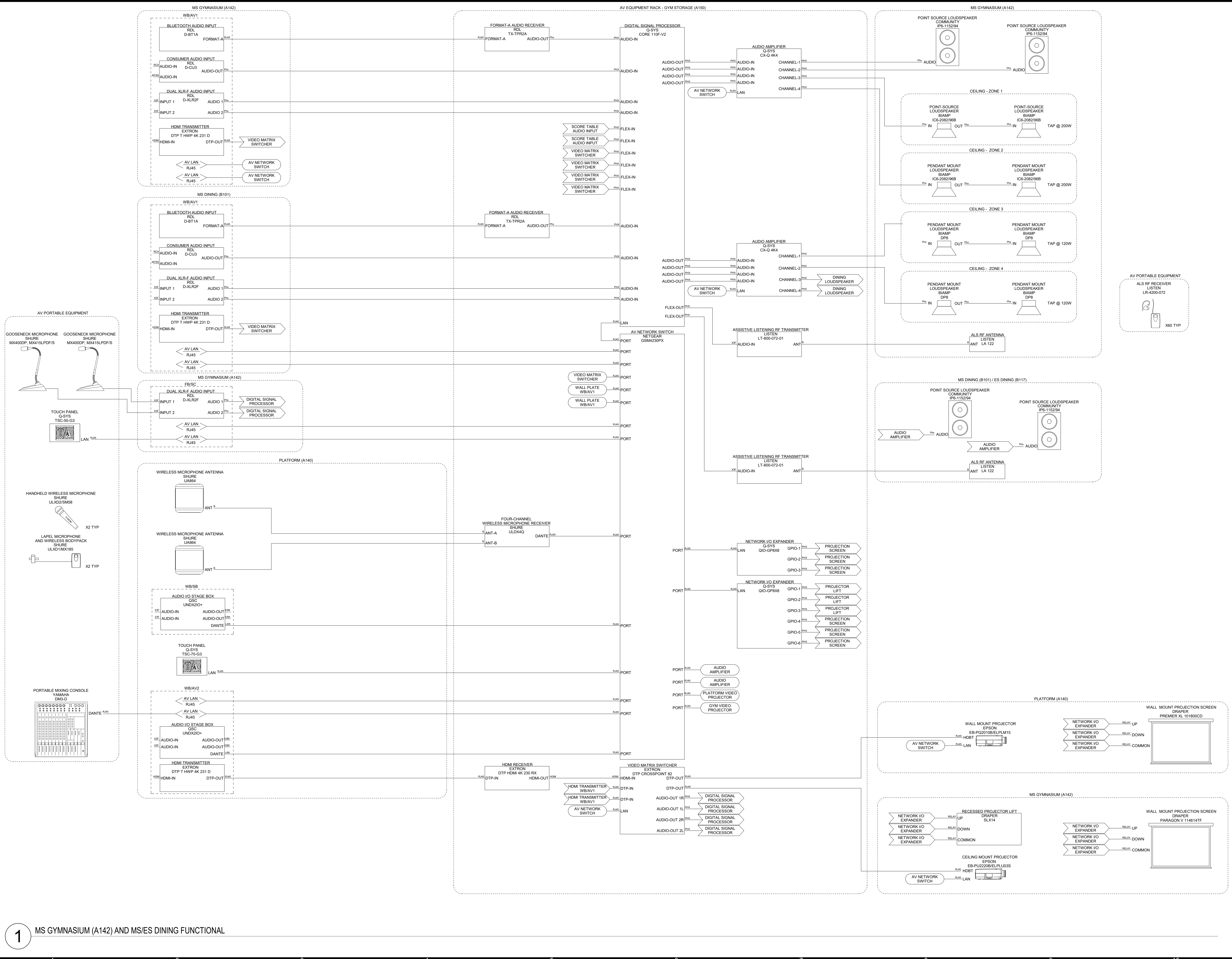
FUNCTIONAL LEGEND AND CABLEING DETAILS



THE MUSEUM ASSOCIATES
 ARCHITECTURAL, INTERIOR DESIGN, AND HISTORIC PRESERVATION
 5200 NORFOLK STREET, RICHMOND, VA 23230
 PHONE (804) 794-7557 FAX (804) 355-5690
 MOSELEYARCHITECTS.COM

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

1 MS GYMNASIUM (A142) AND MS/ES DINING FUNCTIONAL



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
 Highway 210, Hampstead, NC 28443

PROJECT NO:	631310
DATE:	AUGUST 2, 2024
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DATE	DESCRIPTION

GYMNASIUM AND DINING FUNCTIONAL

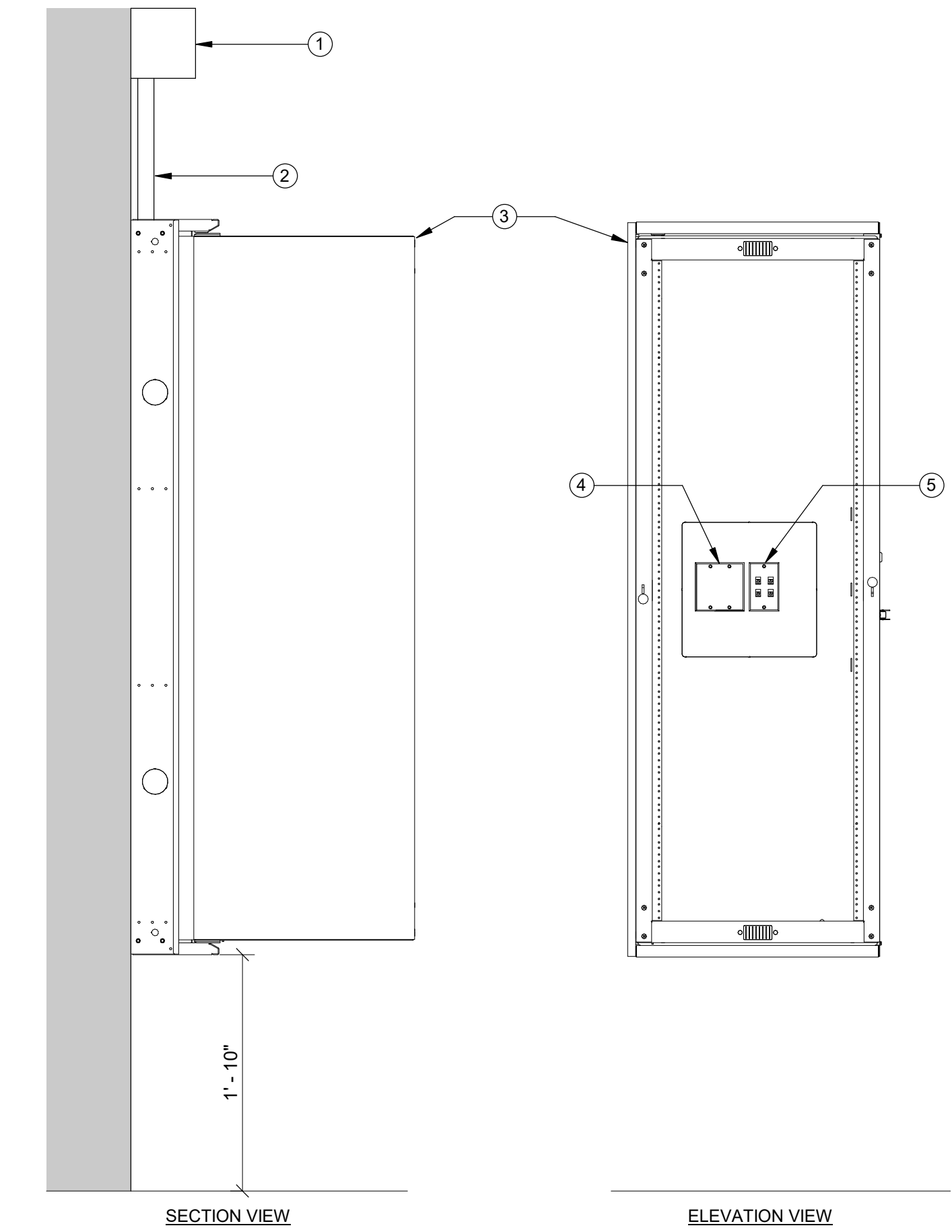
GYM STORAGE A150

1	ID PLATE	24
2	1 RU BLANK	23
3	AV NETWORK SWITCH	22
4	1 RU BLANK	21
5	VIDEO MATRIX SWITCHER	20
6		19
7	3 RU RACK DRAWER - FOR ALS RECEIVER STORAGE	18
8		17
9		16
10		15
11	3 RU RACK DRAWER - FOR ALS RECEIVER STORAGE	14
12		13
13	ALS RF TRANSMITTER X 2	12
14	WIRELESS MICROPHONE RECEIVER	11
15	1 RU BLANK	10
16	DIGITAL SIGNAL PROCESSOR	9
17	1 RU BLANK	8
18	AUDIO AMPLIFIER	7
19		6
20	1 RU BLANK	5
21	AUDIO AMPLIFIER	4
22		3
23	UPS	2
24		1

GYM STORAGE A150 (REAR)

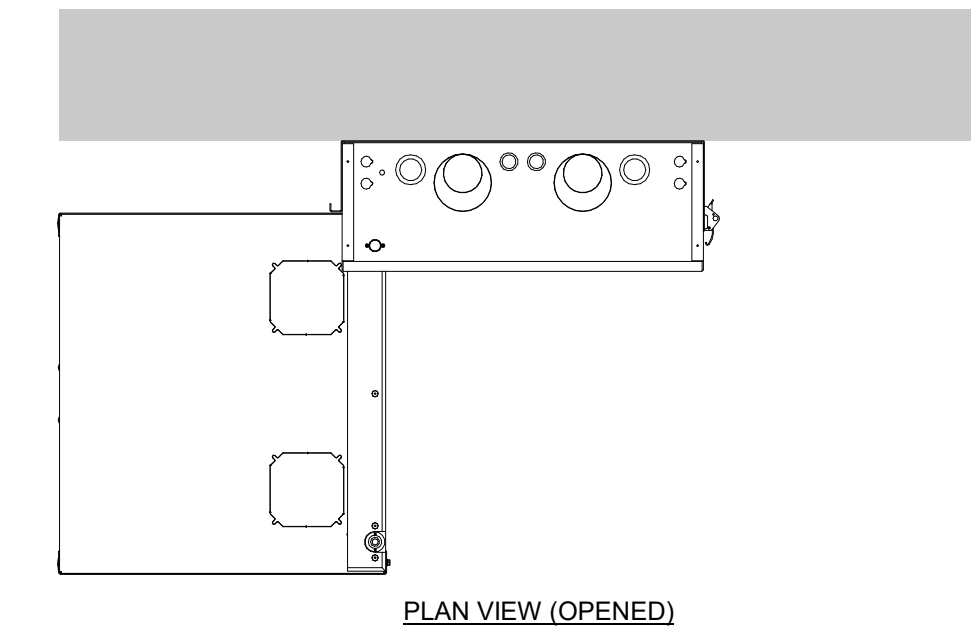
1	AV NETWORK PATCH PANEL	24
2		23
3	CABLE MANAGEMENT	21
4		20
5		19
6		18
7		17
8		16
9		15
10		14
11		13
12		12
13		11
14	NETWORK I/O EXPANDER X 2, HDMI RECEIVER	10
15		9
16		8
17	FORMAT-A AUDIO RECEIVER X 2	7
18		6
19		5
20		4
21		3
22		2
23		1
24		

5 AV RACK ELEVATION



ITEM	DESCRIPTION	BY
①	CABLE TROUGH	EC
②	CONDUIT FROM ENDPOINTS	EC
③	AV EQUIPMENT RACK	AVC
④	POWER	EC
⑤	DATA	EC

1 AV RACK DETAIL REFERENCE ONLY

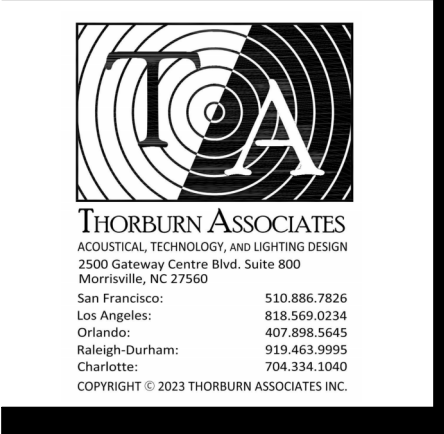


PROJECT NO:	631310
DATE:	AUGUST 2, 2024
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DATE	DESCRIPTION

RACK ELEVATIONS AND DETAILS

PENDER COUNTY SCHOOLS K-8 SCHOOL

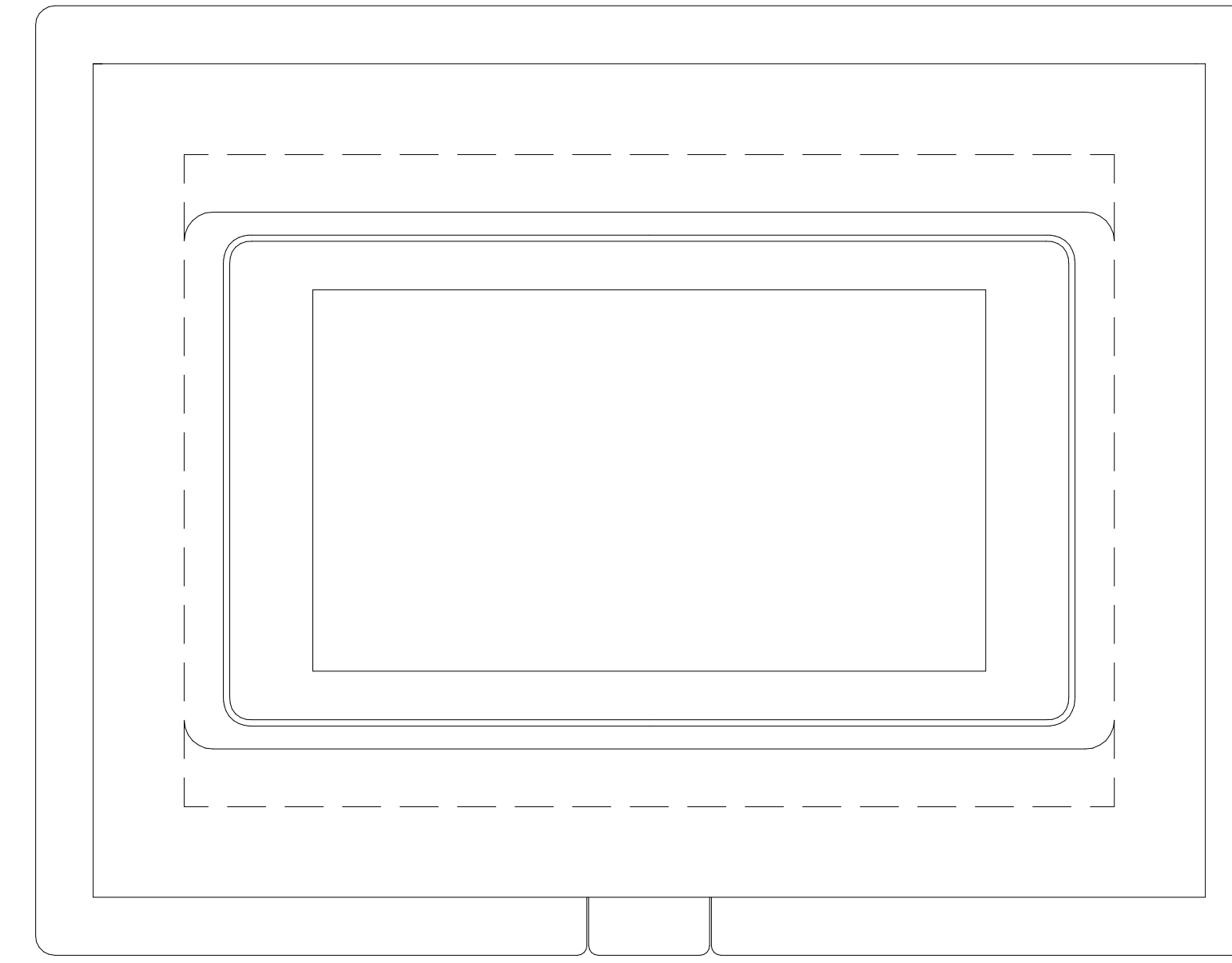
Pender County Schools
Highway 210, Hampstead, NC 28443



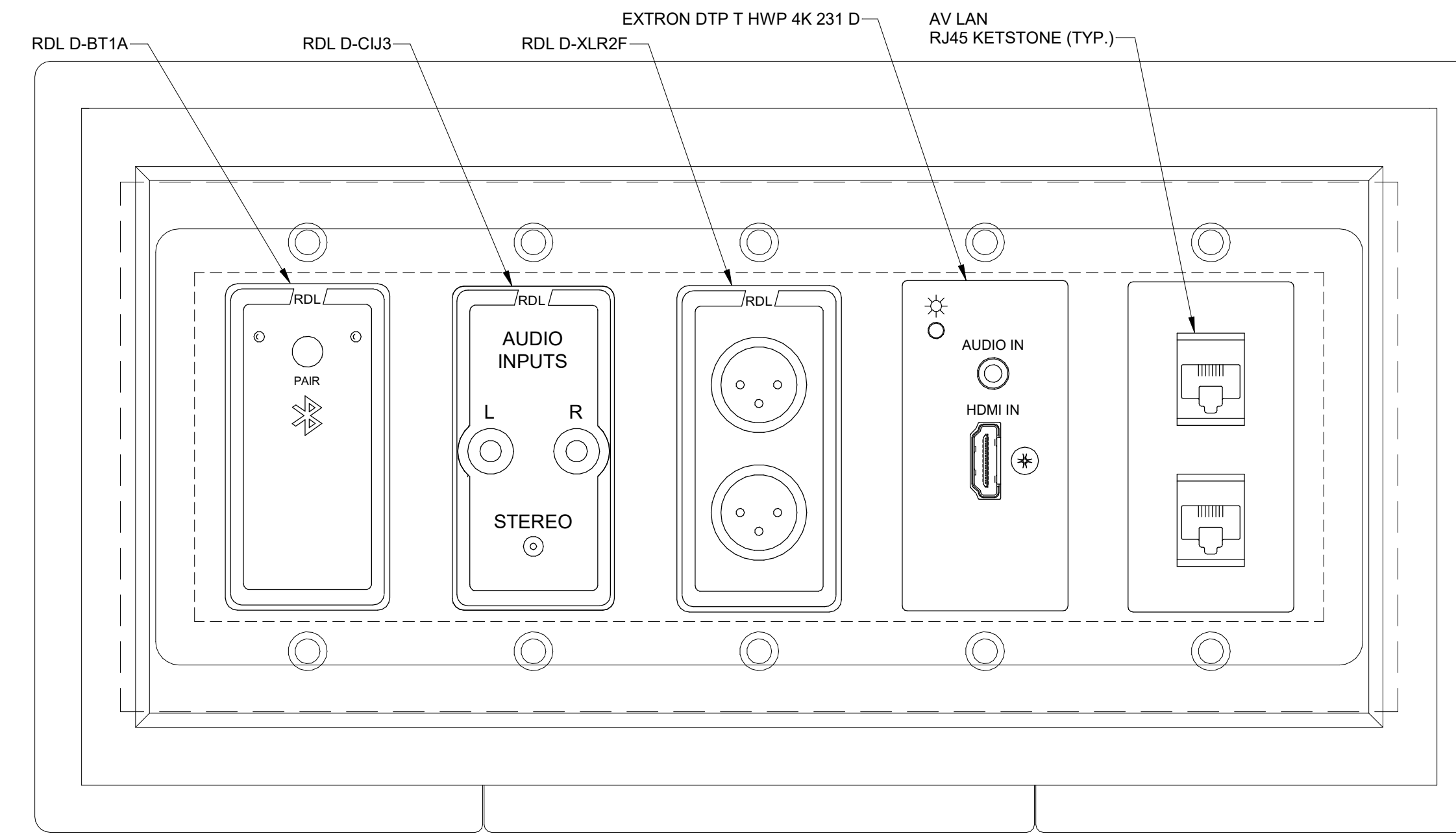
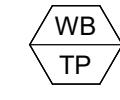
THE BRUBLYN ASSOCIATES
 ARCHITECTS, INTERIORS, AND SPECIALTIES
 2000 BRUBLYN DRIVE, SUITE 100
 RICHMOND, VA 23220
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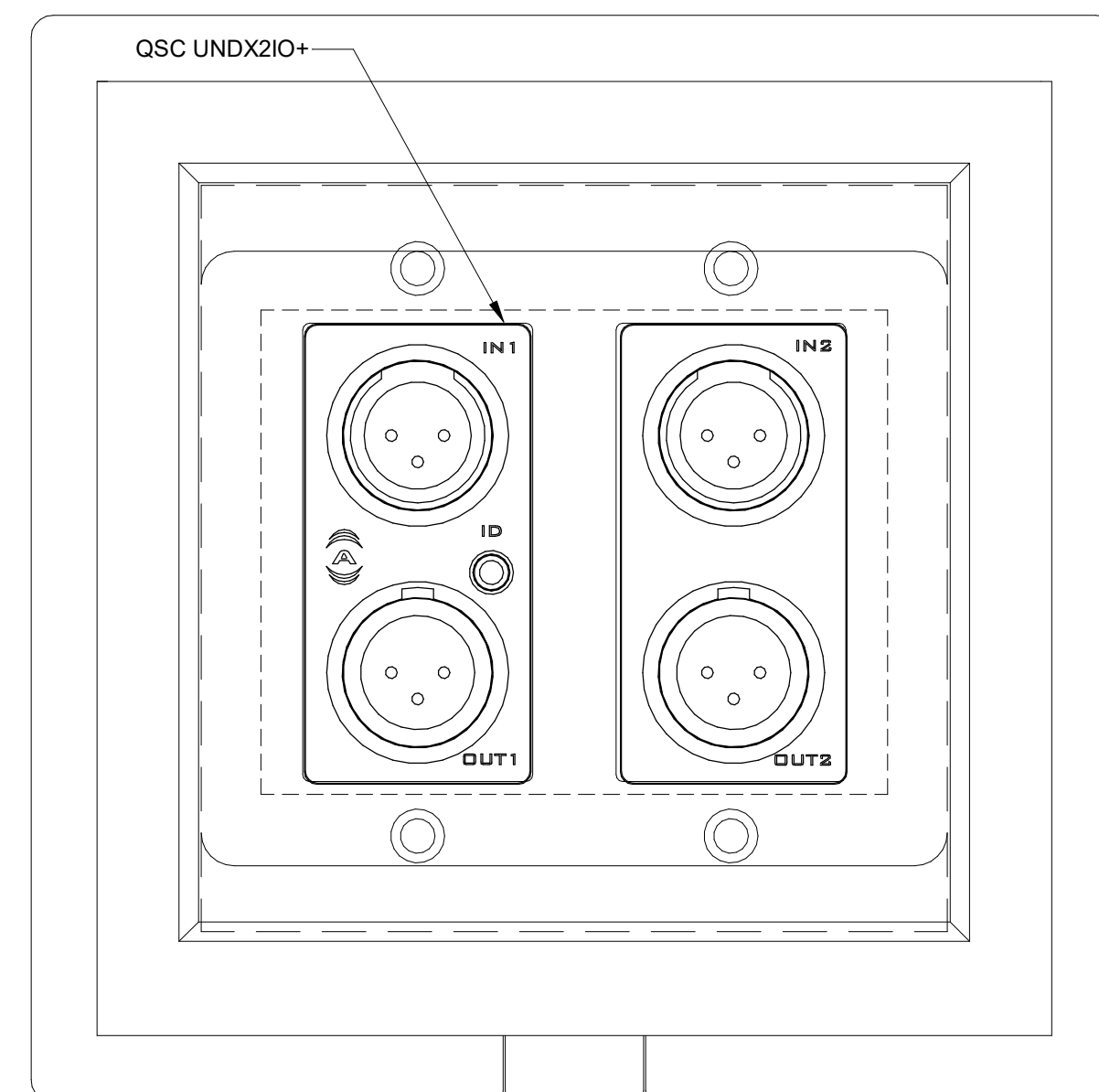
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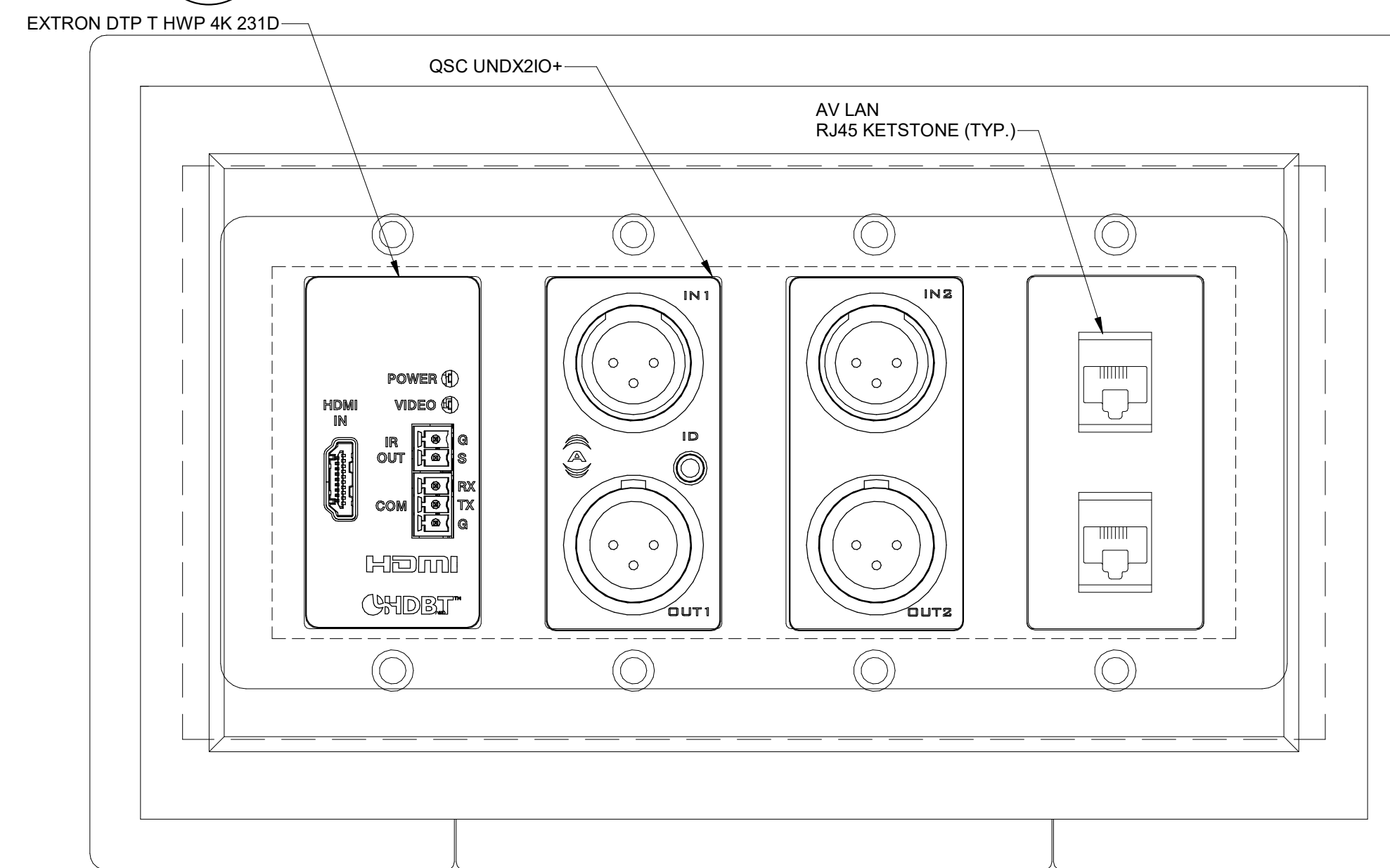
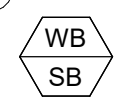
7 WALL MOUNTED TOUCH PANEL



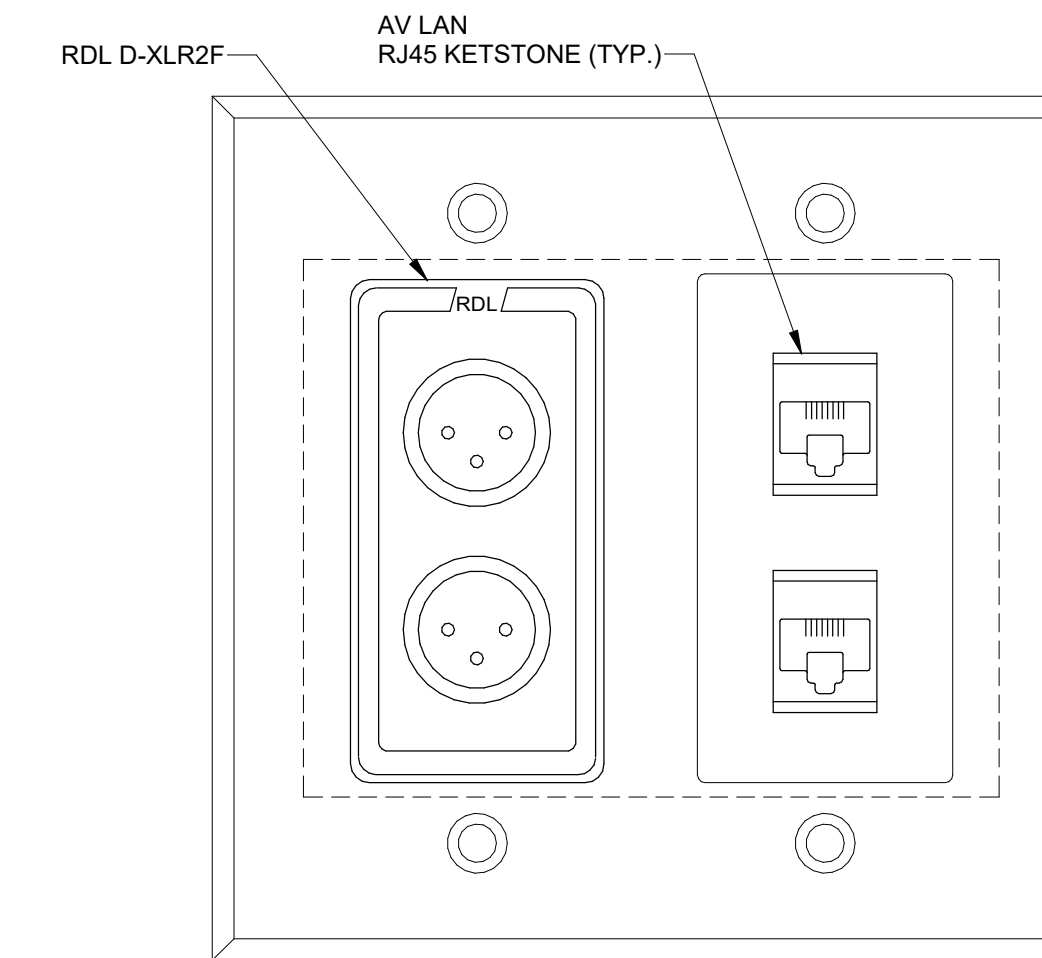
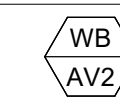
6 PLATFORM LIP AUDIO/VIDEO INPUT PLATE



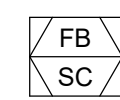
9 PLATFORM STAGE BOX INPUT PLATE



5 PLATFORM AUDIO/VIDEO PLATE

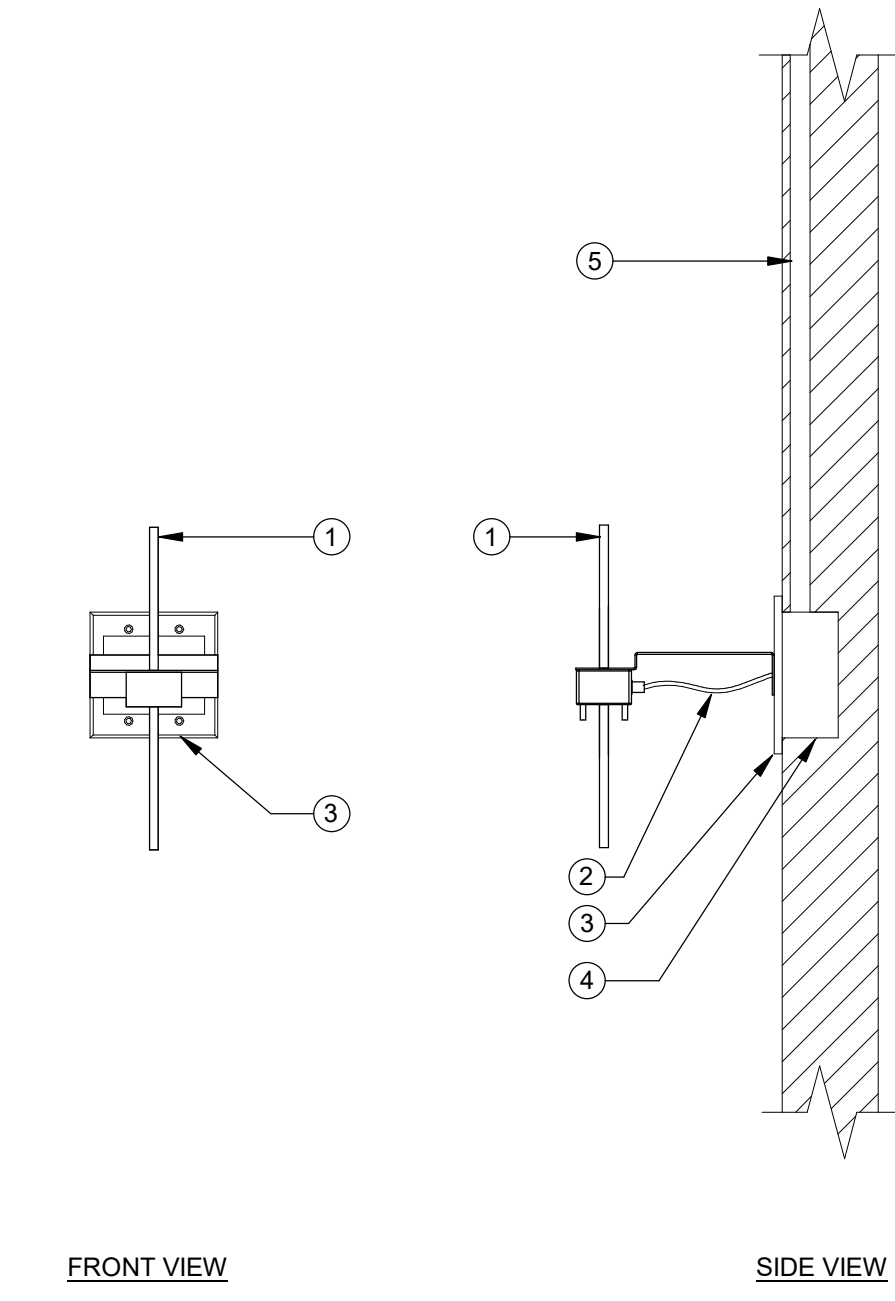


1 SCORE TABLE AUDIO INPUT PLATE



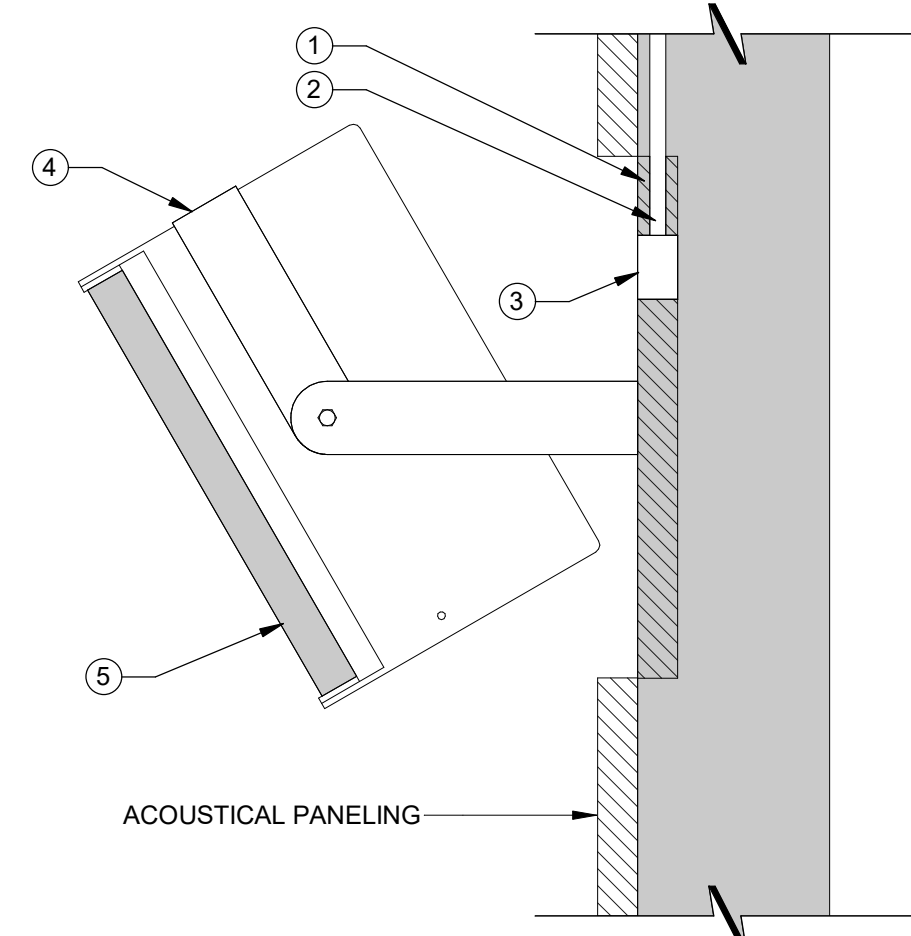
THE MURKIN ASSOCIATES
ARCHITECT, INTERIOR DESIGN, AND LANDSCAPE ARCHITECTS
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PROJECT NO:	631310
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION



ITEM	DESCRIPTION	BY
1	ADA RF ANTENNA	AVC
2	ANTENNA CABLE	AVC
3	GROMMET DECORA WALL PLATE	AVC
4	WALL BOX	EC
5	CONDUIT	EC

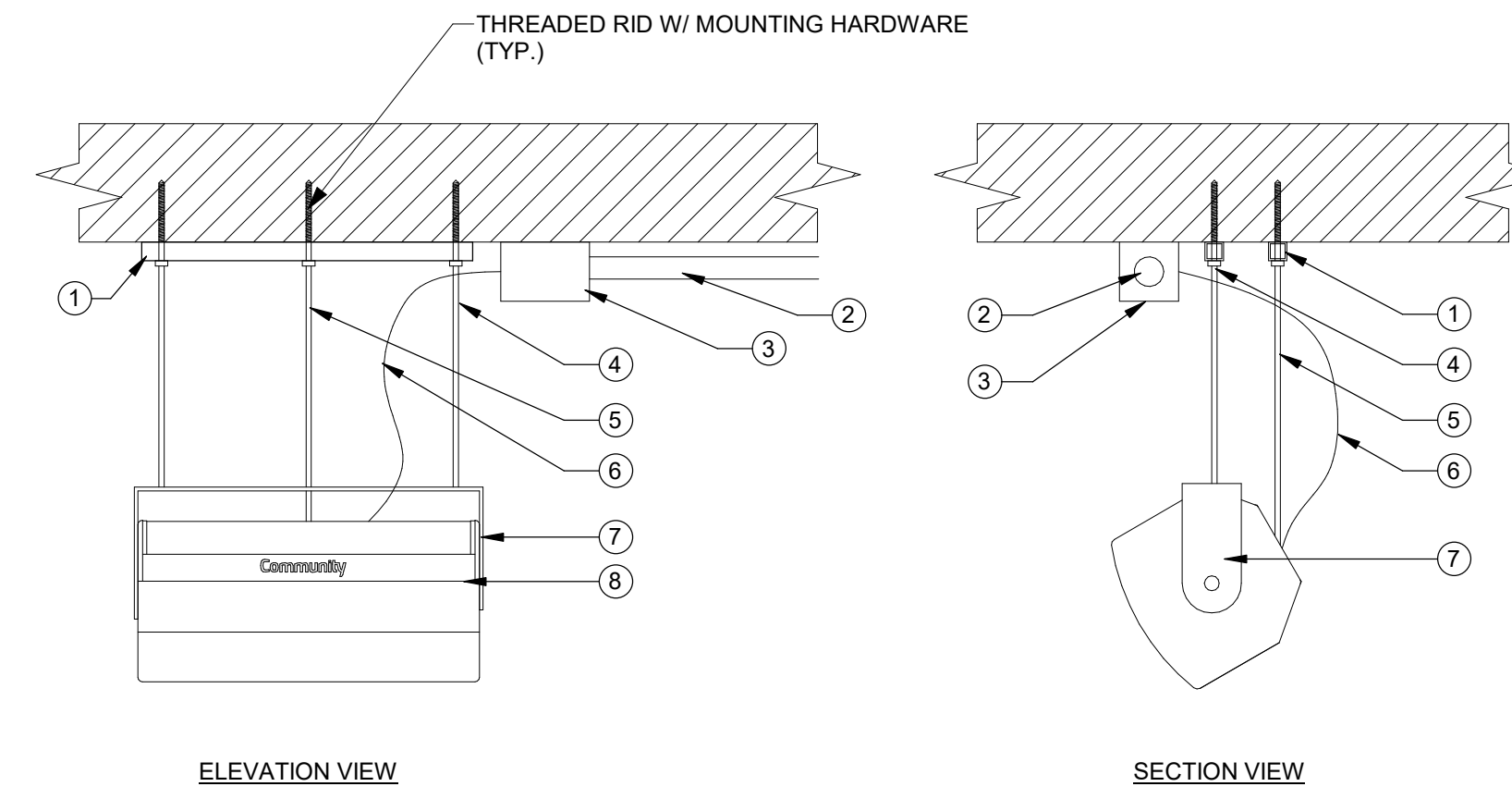
15 ADA ANTENNA MOUNTING
REFERENCE ONLY



NOTES:
1. THE AVC SHALL COMPLETE THE POLAR WORKFLOW IN EASE FOCUS 3 PRIOR TO ORDERING EQUIPMENT TO DETERMINE APPROPRIATE AIM ANGLES. THE LOUDSPEAKER SYSTEM SHALL BE CONFIGURED TO A +/-3 dB COVERAGE ACROSS THE LISTENING SPACE.

ITEM	DESCRIPTION	BY
1	STRUCTURE TO SUPPORT 100 LBS, MIN	GC
2	CONDUIT	EC
3	2-GANG BOX	EC
4	LOUDSPEAKER VERTICAL YOLK MOUNT	AVC
5	LOUDSPEAKER	AVC

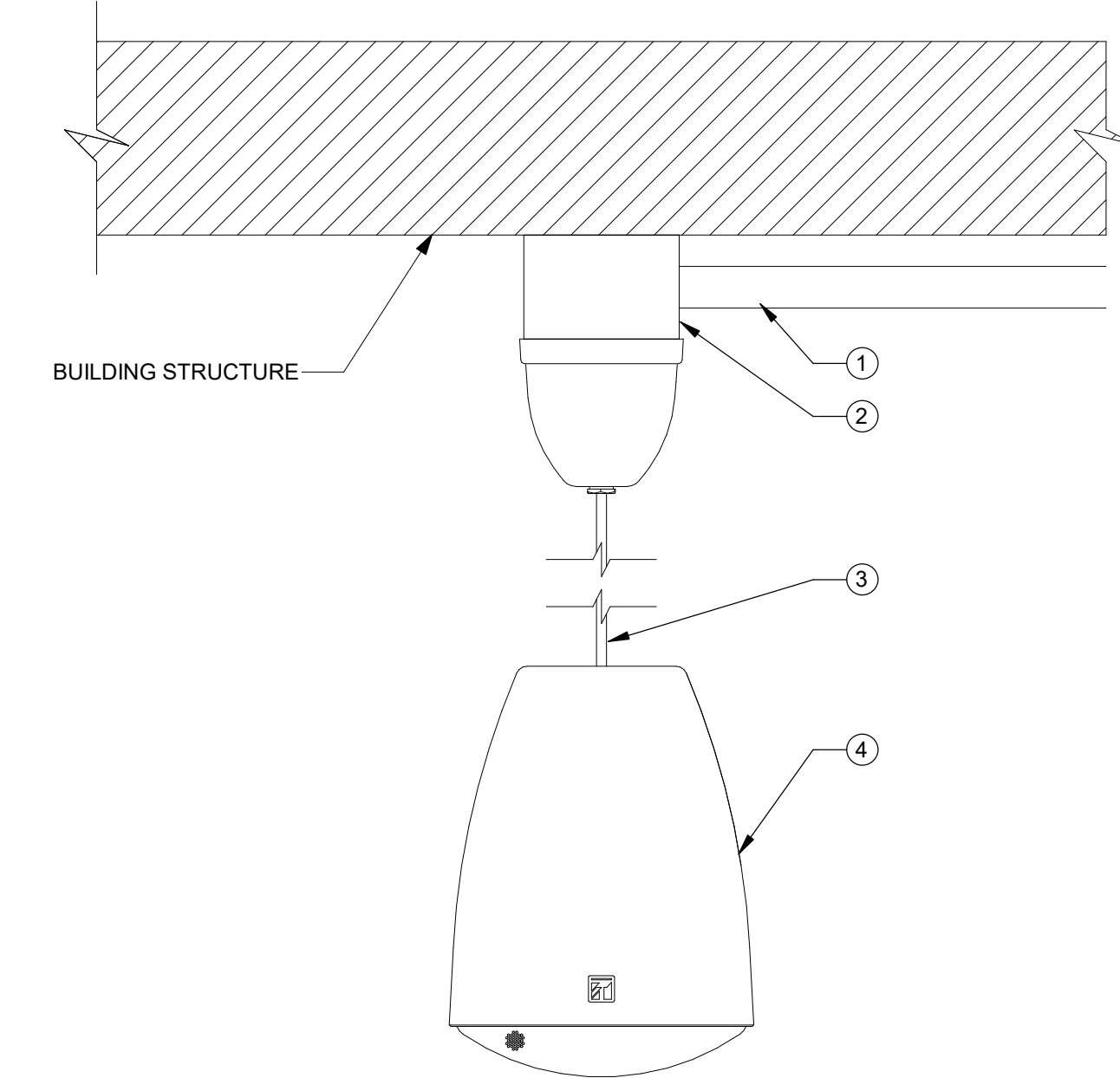
11 WALL MOUNTED LOUDSPEAKER
REFERENCE ONLY



NOTES:
1. THE AVC SHALL COMPLETE THE POLAR WORKFLOW IN EASE FOCUS 3 PRIOR TO ORDERING EQUIPMENT TO DETERMINE APPROPRIATE AIM ANGLES. THE LOUDSPEAKER SYSTEM SHALL BE CONFIGURED TO A +/-3 dB COVERAGE ACROSS THE LISTENING SPACE.

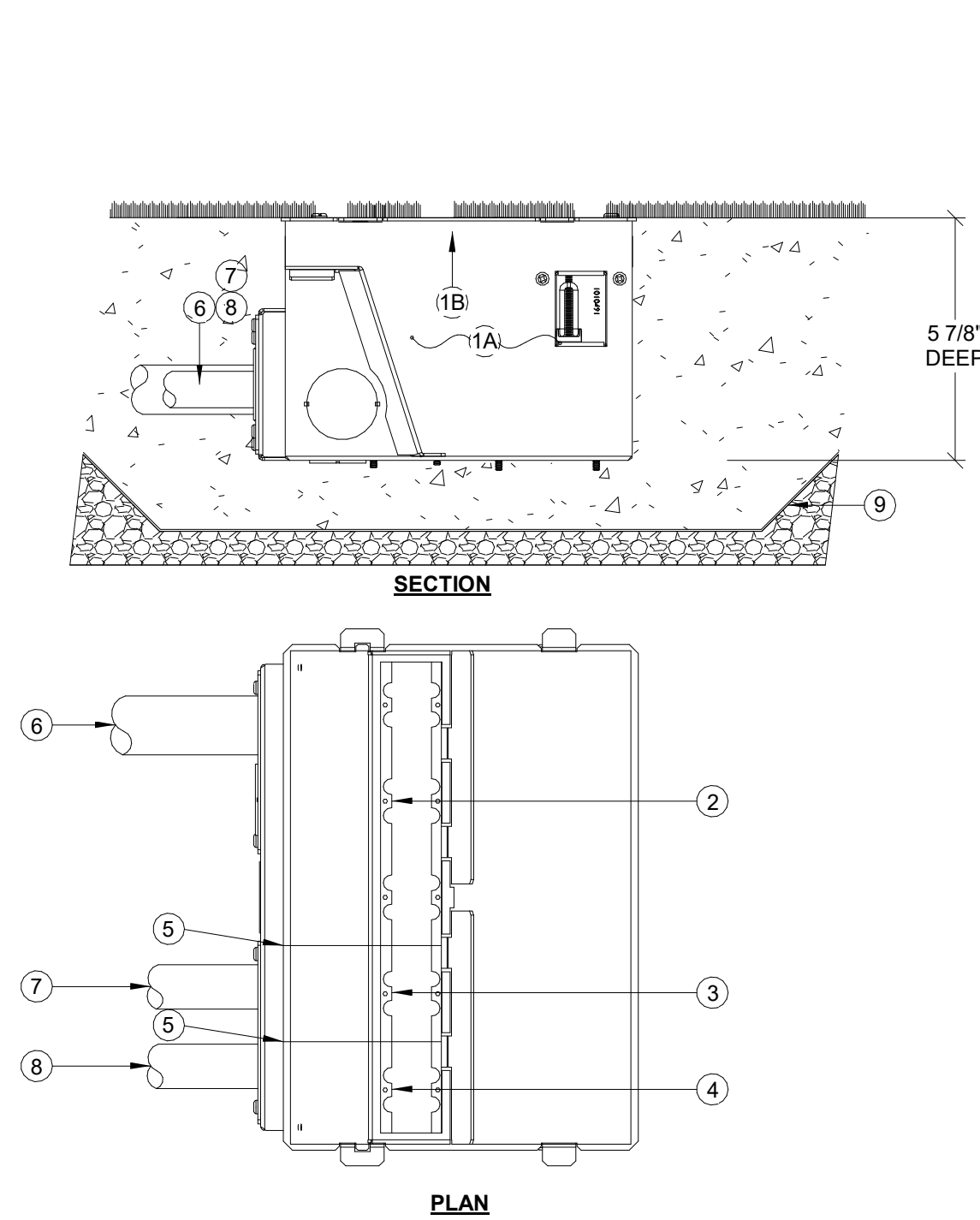
ITEM	DESCRIPTION	BY
1	STRUCTURE TO SUPPORT 50 LBS, MIN	GC
2	CONDUIT	EC
3	2-GANG BOX	EC
4	SUPPORT CABLE	GC
5	SAFETY CABLE	AVC
6	SPEAKER CABLE	AVC
7	LOUDSPEAKER YOLK MOUNT	AVC
8	OVERHEAD POINT-SOURCE LOUDSPEAKER	AVC

7 OVERHEAD LOUDSPEAKER MOUNTING
REFERENCE ONLY



ITEM	DESCRIPTION	BY
1	CONDUIT	EC
2	2-GANG BOX	EC
3	SUPPORT/SPEAKER CABLE	AVC
4	PENDANT LOUDSPEAKER	AVC

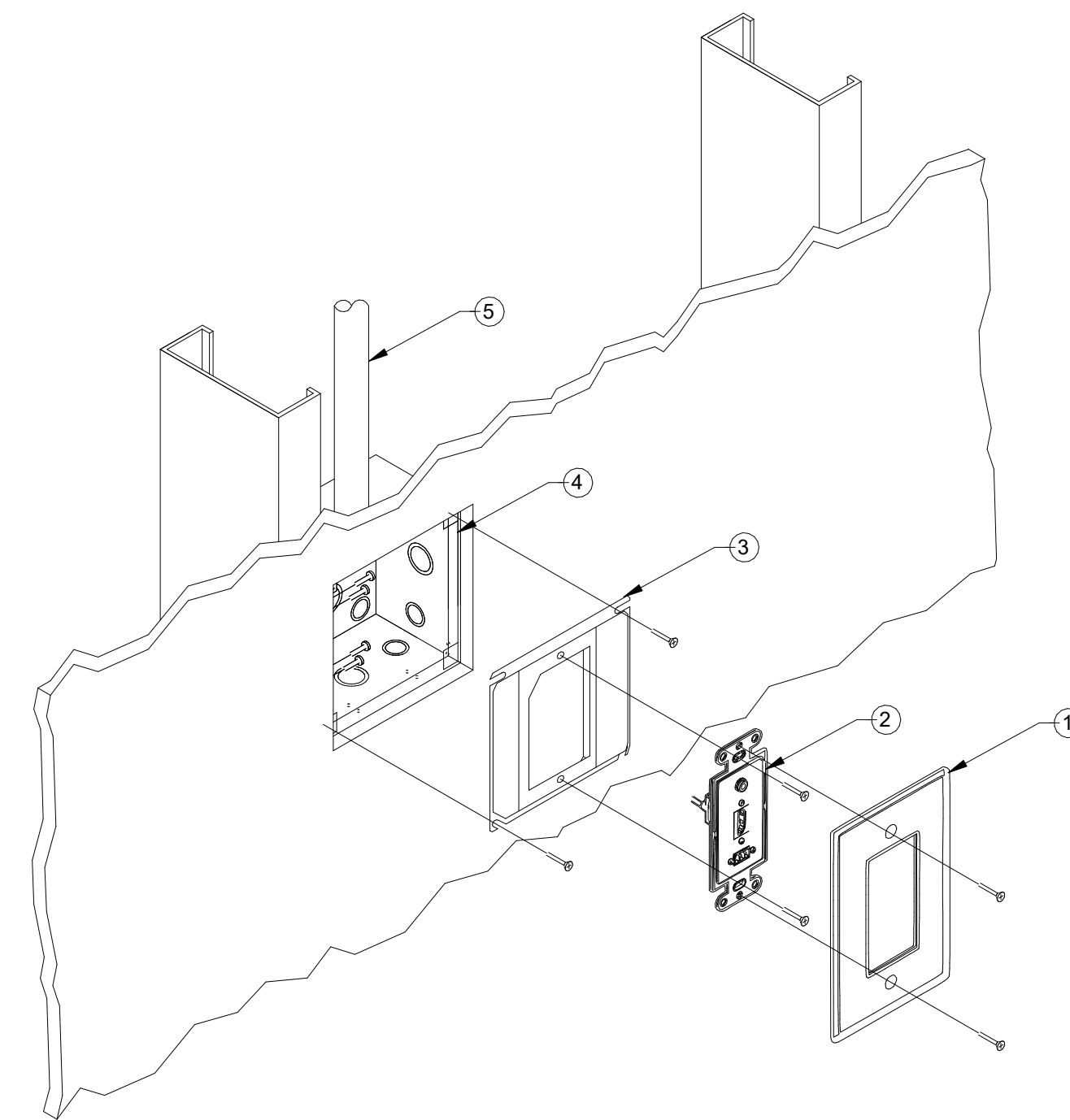
3 PENDANT LOUDSPEAKER MOUNTING
REFERENCE ONLY



NOTES:
1. COVER PLATE MATERIAL TO BE COORDINATED WITH OWNER/ARCHITECT.
2. REFER TO RISER DIAGRAMS FOR CONDUIT SIZE AND ROUTING.

ITEM	DESCRIPTION	BY
1	FLOOR BOX	EC
2	AV PLATE (2-GANG)	AVC
3	DATA PLATE (1-GANG)	DIT
4	POWER PLATE (1-GANG)	EC
5	AC DIVIDER PLATE	EC
6	AV CONDUIT	EC
7	DATA CONDUIT	EC
8	POWER CONDUIT	EC
9	POUR PAN	EC/GC

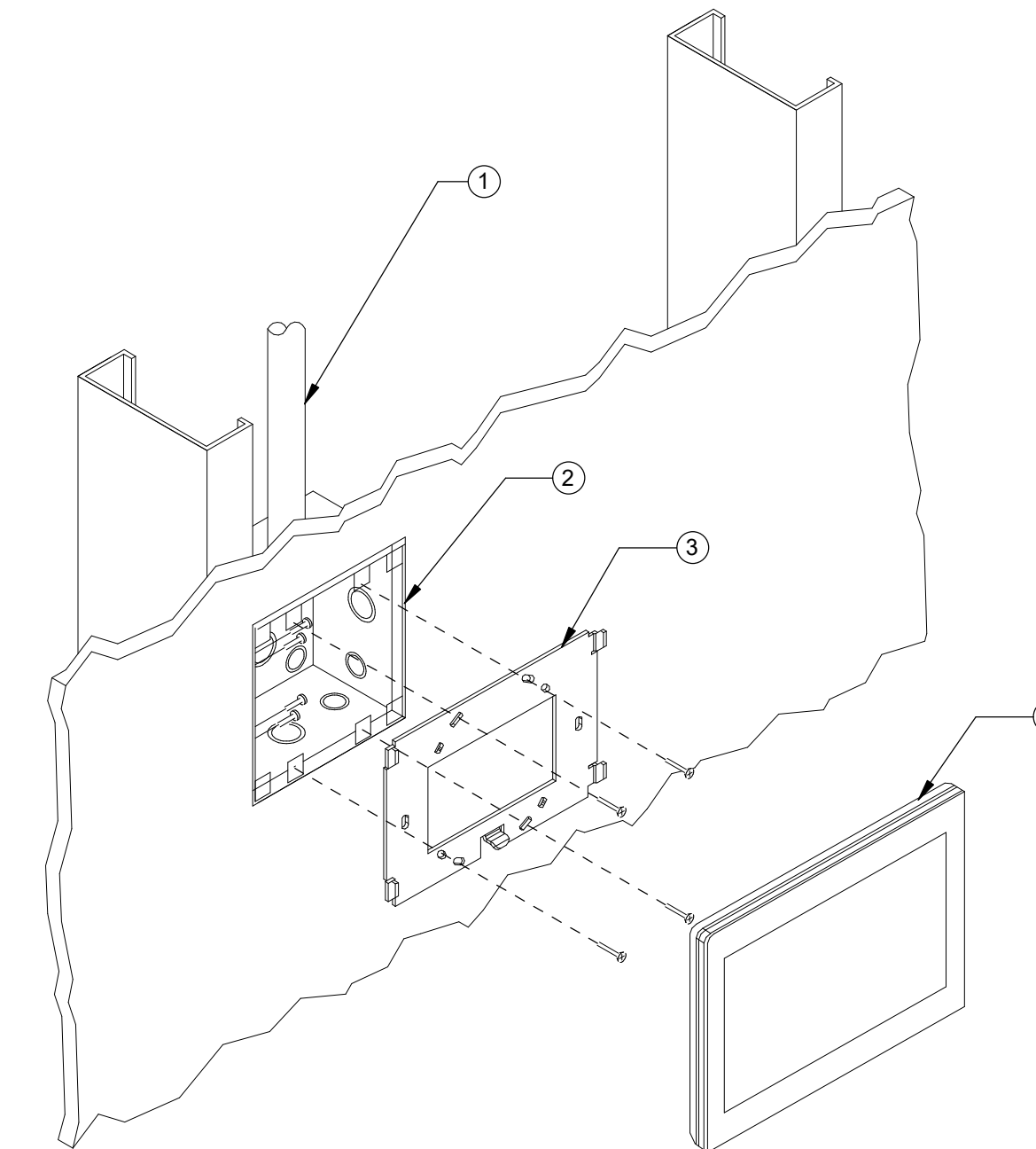
13 FLOOR BOX DETAIL
REFERENCE ONLY



NOTE:
1. ACTUAL AV INTERFACE PLATE, WALL BOX SIZE, AND CONDUIT QUANTITY MAY NOT BE AS SHOWN. SEE INTERFACE PLATE DETAILS AND INFRASTRUCTURE SCHEDULE FOR REQUIRED INFORMATION.

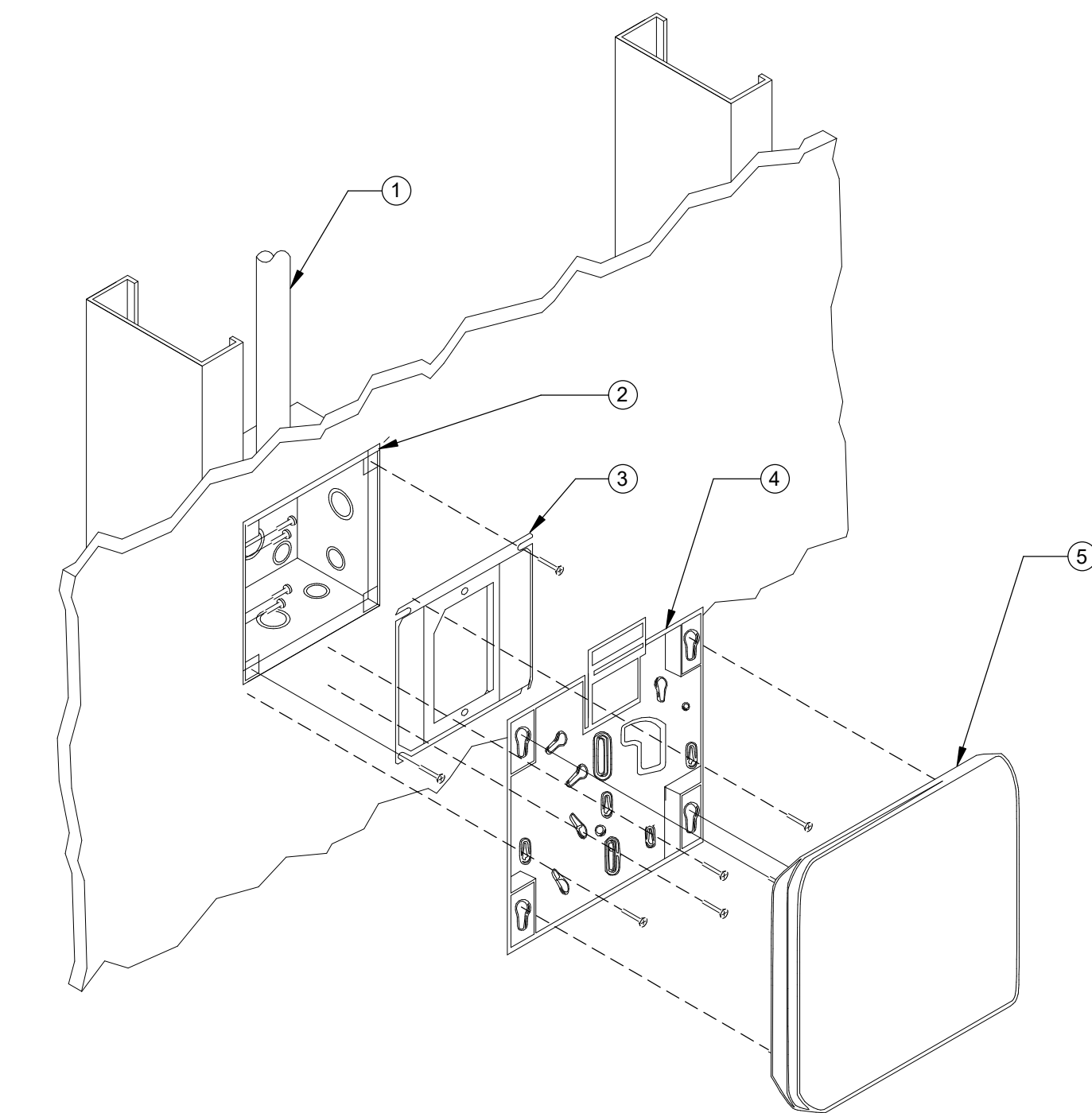
ITEM	DESCRIPTION	BY
1	DECORA WALL PLATE/FLUSH-MOUNT LOCKING COVER	AVC
2	AV INTERFACE PLATE	AVC
3	MUD RING	EC
4	WALL BOX	EC
5	CONDUIT	EC

9 AV INTERFACE PLATE MOUNTING
REFERENCE ONLY



ITEM	DESCRIPTION	BY
1	CONDUIT	EC
2	WALL BOX	EC
3	MOUNTING PLATE	AVC
4	TOUCH PANEL	AVC

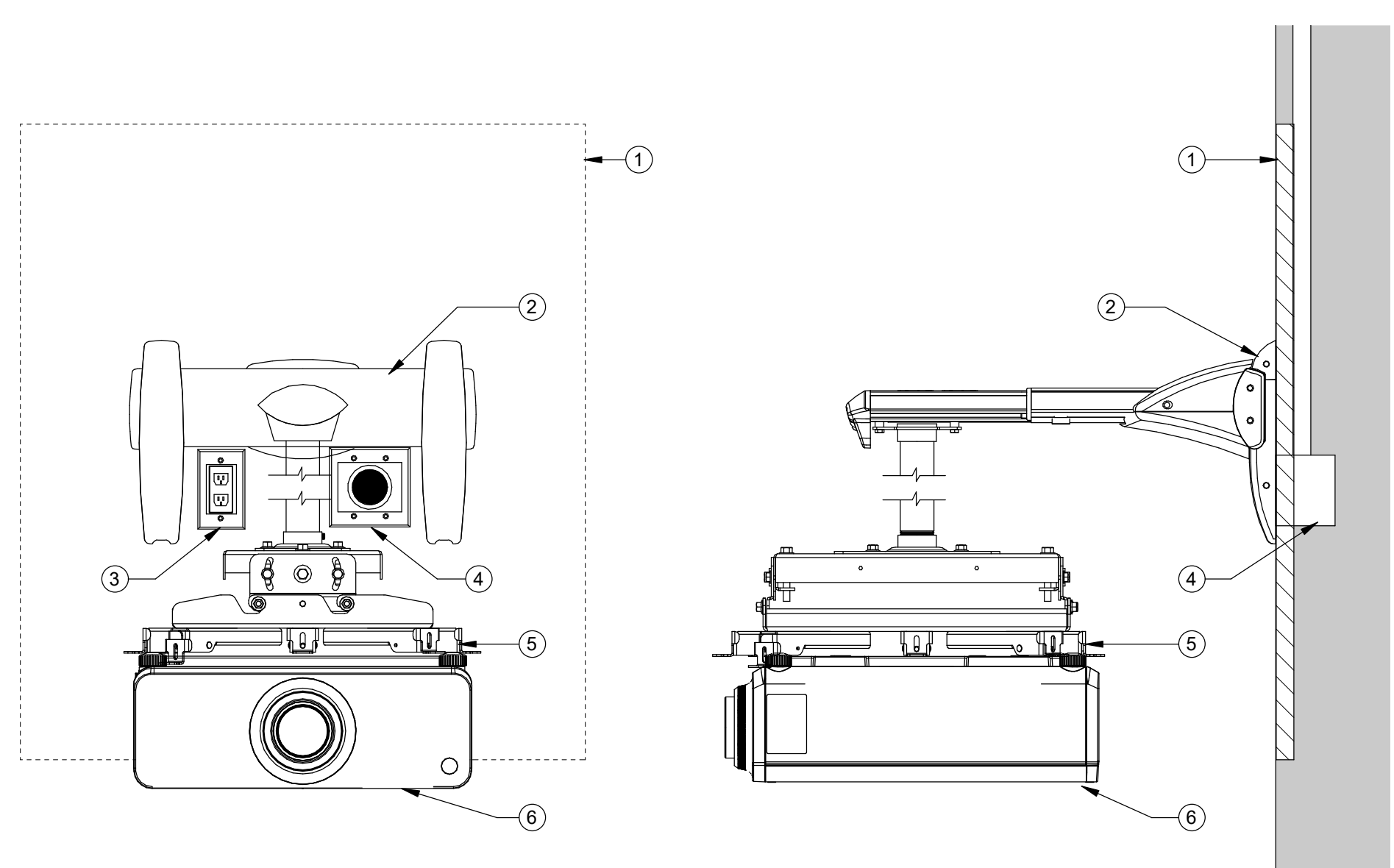
5 WALL MOUNTED TOUCH PANEL
REFERENCE ONLY



ITEM	DESCRIPTION	QTY.
1	CONDUIT	EC
2	WALL BOX	EC
3	MUD RING	EC
4	MOUNTING BRACKET	AVC
5	ANTENNA	AVC

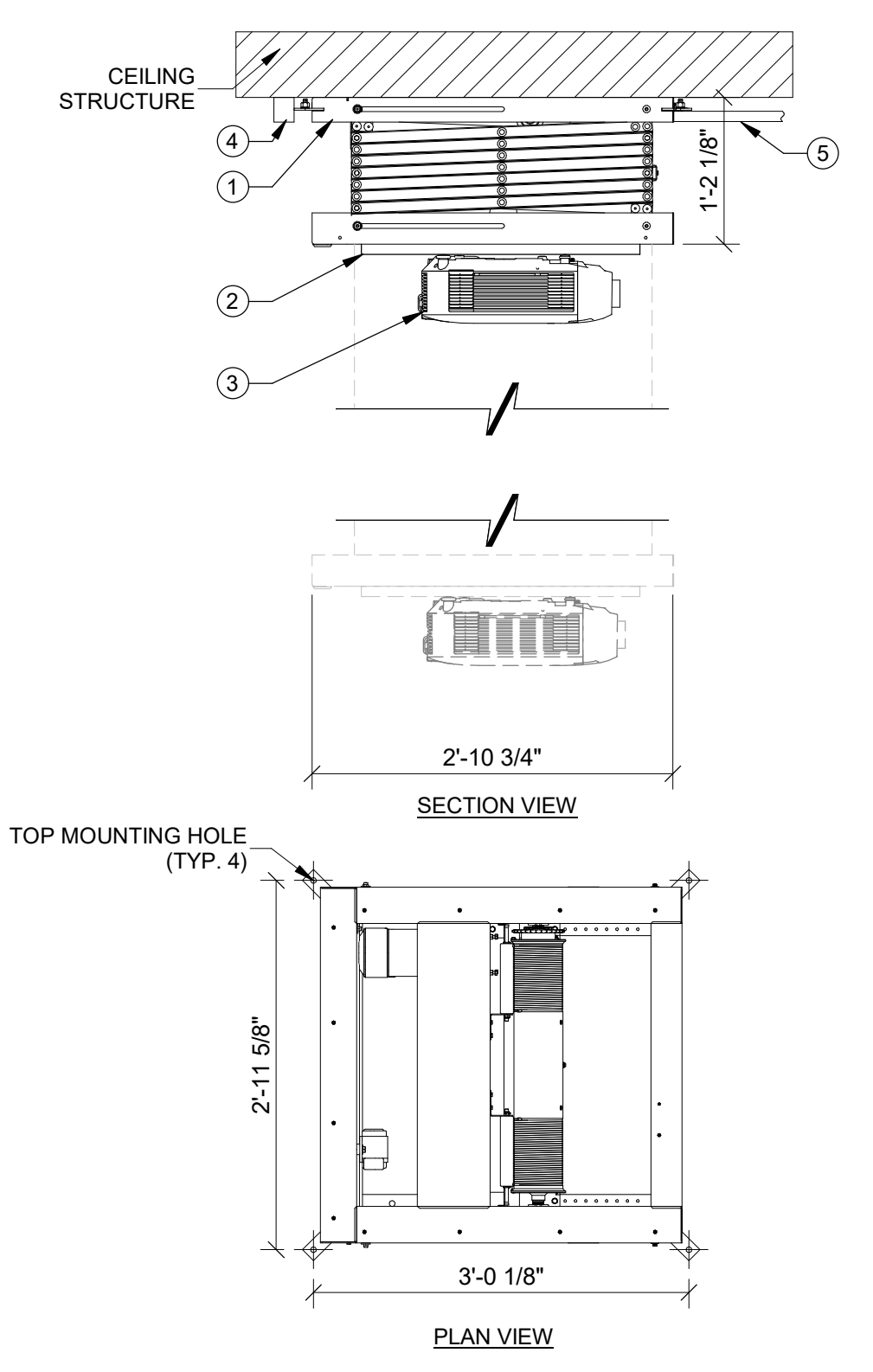
1 WIRELESS MICROPHONE ANTENNA MOUNTING
REFERENCE ONLY





ITEM	DESCRIPTION	BY
??	BLOCKING TO SUPPORT 100 LBS.	GC
??	PROJECTOR WALL MOUNT	AVC
??	POWER	EC
??	PROJECTOR WALL BOX (WB/PJR)	EC
??	PROJECTOR MOUNT	AVC
??	PROJECTOR	AVC

5 PROJECTOR - WALL MOUNT
REFERENCE ONLY

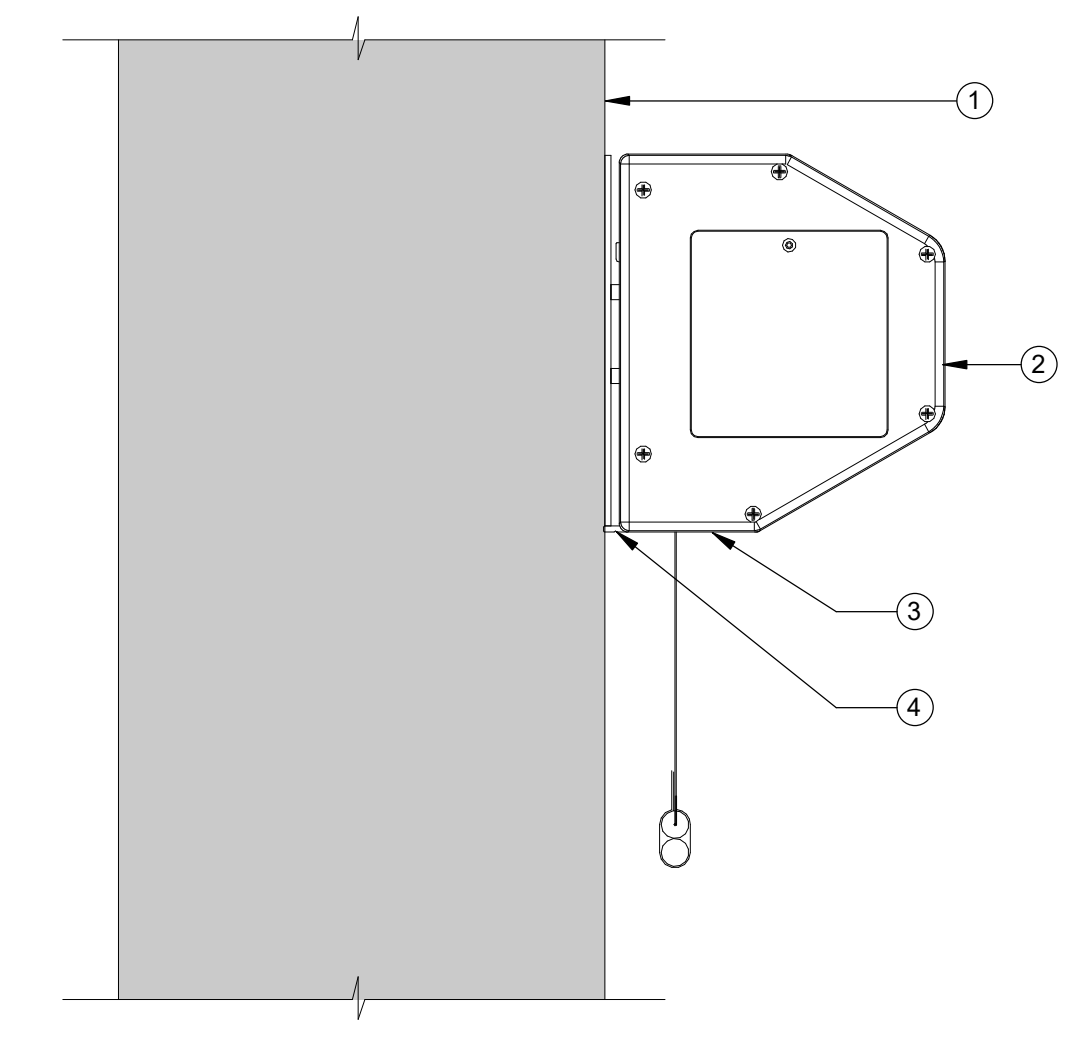


NOTES:

- PROJECTOR LIFT AND ENCLOSURE SHALL BE FURNISHED BY AVC AND INSTALLED BY GC. COORDINATE WITH GC/EC TO COMPLETE INSTALLATION AND POWER CONNECTIONS.
- FOLLOW MANUFACTURER'S ROUTING INSTRUCTIONS REGARDING CABLING TO PREVENT OBSTRUCTIONS TO LIFT OPERATION.
- SEE DETAIL 7TA-102 FOR PROJECTOR THROW DISTANCE AND MOUNTING HEIGHT.

ITEM	DESCRIPTION	BY
1	CEILING-RECESSED PROJECTOR LIFT	AVC/GC
2	UNIVERSAL PROJECTOR MOUNT	AVC
3	PROJECTOR	AVC
4	POWER - SEE TA-002 FOR POWER REQUIREMENTS	EC
5	AV CONDUIT - SEE RISER DIAGRAM FOR REQUIREMENTS	EC

1 PROJECTOR - LIFT MOUNT
REFERENCE ONLY



ITEM	DESCRIPTION	QTY.
1	PROSCENIUM STRUCTURE	GC
2	PROJECTION SCREEN ENCLOSURE	AVC
3	SCREEN ROLLER ACCESS DOOR	-
4	SCREEN MOUNTING BRACKET	AVC

3 PROJECTION SCREEN MOUNTING
REFERENCE ONLY



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MOSELEYARCHITECTS.COM

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

DATE	REVISIONS	DESCRIPTION

COORDINATION
DETAILS