

**ADDENDUM
NO. 3**

June 9, 2023

**LAKE STREET ELEMENTARY SCHOOL ADDITIONS, RENOVATIONS,
AND RELATED WORK
Crown Point, IN 46307**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated May 15, 2023 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 3-1 and attached Addendum No. 3 from Gibraltar Design dated June 9, 2023 and consisting of 4 pages and 20 drawings.

ADDENDUM THREE

Addendum Three (AD.03) to the drawings and specifications prepared by Gibraltar Design for **Lake Street Elementary School Improvements** for Crown Point Community School Corporation, Crown Point, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum, Addendum One and Addendum Two, and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

- 1. Specification Section 07 42 44 Composite Wall Panels**
 - A. Add new Paragraph 2.1.A.5. to acceptable manufacturers as follows:
"5. Alucoil, Manning, SC."
- 2. Specification Section 10 22 26 Folding Partitions**
 - A. Delete wording in Paragraph 1.5.A.1. and 2. Referencing electrical elements or components.
 - B. Substitute the word 'manually' for the word 'electrically' in Paragraph 1.7.A.

DRAWINGS

- 3. Sheet A-501**
 - A. At detail 1/A501
 1. replace the exterior expansion joint with 1/2 to 3/4 inch backer rod and sealant
 2. expansion plate cover will not be required. run masonry walls together and caulk vertical joint.
 - B. At detail 6/A501
 1. Remove reference to "drive chain". Panels are operated manually.
- 4. Sheet A-502**
 - A. At detail 12/A502
 1. replace the reference to "blown in insulation" with "batt insulation."
- 5. Sheet A-801, A-802, A-803, A-804**
 - A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 1. Revised keynote 3
 2. Revised keynote 10
 3. Clarified vinyl wall base in corridors.

**6. Sheet A-861**

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revised elevation 1/A-861
2. Revised elevation 3/A-861

7. Sheets MV-101 thru 104 and -MP-101 thru 104

A. Revise Sheet Notes "Classroom Dehumidification Alternate" to read "Alternate."

B. Revise Sheet Notes "Corridor Commons Refresh Alternate" to read "Alternate."

8. Sheet MV-103

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added note for wall cap to be painted – color by architect

9. Sheet MV-501

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revised GEF-1 controls to be by wall switch in mechanical equipment schedule

10. Sheet ED-103

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added sheet note.
2. Added primary feeder to be re-routed.

11. Sheet ED-104

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added sheet note.
2. Added primary feeder to be re-routed.

12. Sheet EL-101

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revised light fixture tags.

13. Sheet EL-102

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revised light fixture tags.

14. Sheet EL-103

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revised light fixture tags.

**15. Sheet EL-104**

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Revised light fixture tags.
 - 2. Added occupancy sensors.
 - 3. Removed and revised key switches

16. Sheet EP-103

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Added access control power.
 - 2. Removed receptacles.
 - 3. Added sheet notes.
 - 4. Added pilot light switch.
 - 5. Added relocation of primary feeder

17. Sheet EP-104

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Added access control power.
 - 2. Added sheet notes.
 - 3. Added relocation of primary feeder.

18. Sheet E-502

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Added and removed lighting fixtures from lighting schedule.

19. Sheet E-601

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Added circuit to EX Panel 16

20. Sheet T-502

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Updated detail 2 symbol references

21. Sheet t-741

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
 - 1. Replaced detail 6 for classroom TV outlets

**22. Sheet T-742**

- A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
1. Added detail 4 (Video intercom) from T-741 due to sheet space requirements.

Pages 1 through 4, inclusive, and twenty (20) Full-Size Drawings, constitute the total makeup of **Addendum Three**.

**GIBRALTAR**

DESIGN

Y:\21-117 Crown Point CSC - Lake Street ES Improvements\Specs\Addendum THREE\AD03.doc

GENERAL FINISH PLAN NOTES:

- A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- B. REFERENCE FLOOR PATTERN PLANS, EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- C. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSIDERED THAT THE INSTALLER AND /OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- E. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.
- F. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIAL INCLUDING NOTATION OF MATERIAL DIRECTION.
- G. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
- H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKID TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- I. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS. WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY REQUIRED TYPE/COLOR WITH ARCHITECT.
- J. ALL FLOOR FINISH TRANSITIONS AT DOORS SHALL BE CENTERED UNDER DOOR UNLESS NOTED OTHERWISE.
- K. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.
- L. PAINT ALL SIDES OF NEW DOOR FRAMES P4 UNLESS NOTED OTHERWISE.
- M. EXPOSED SURFACES OF DUCTWORK TO BE PAINTED TO MATCH ADJACENT SURFACES UNLESS NOTED OTHERWISE.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
---	MISC FINISH INFORMATION

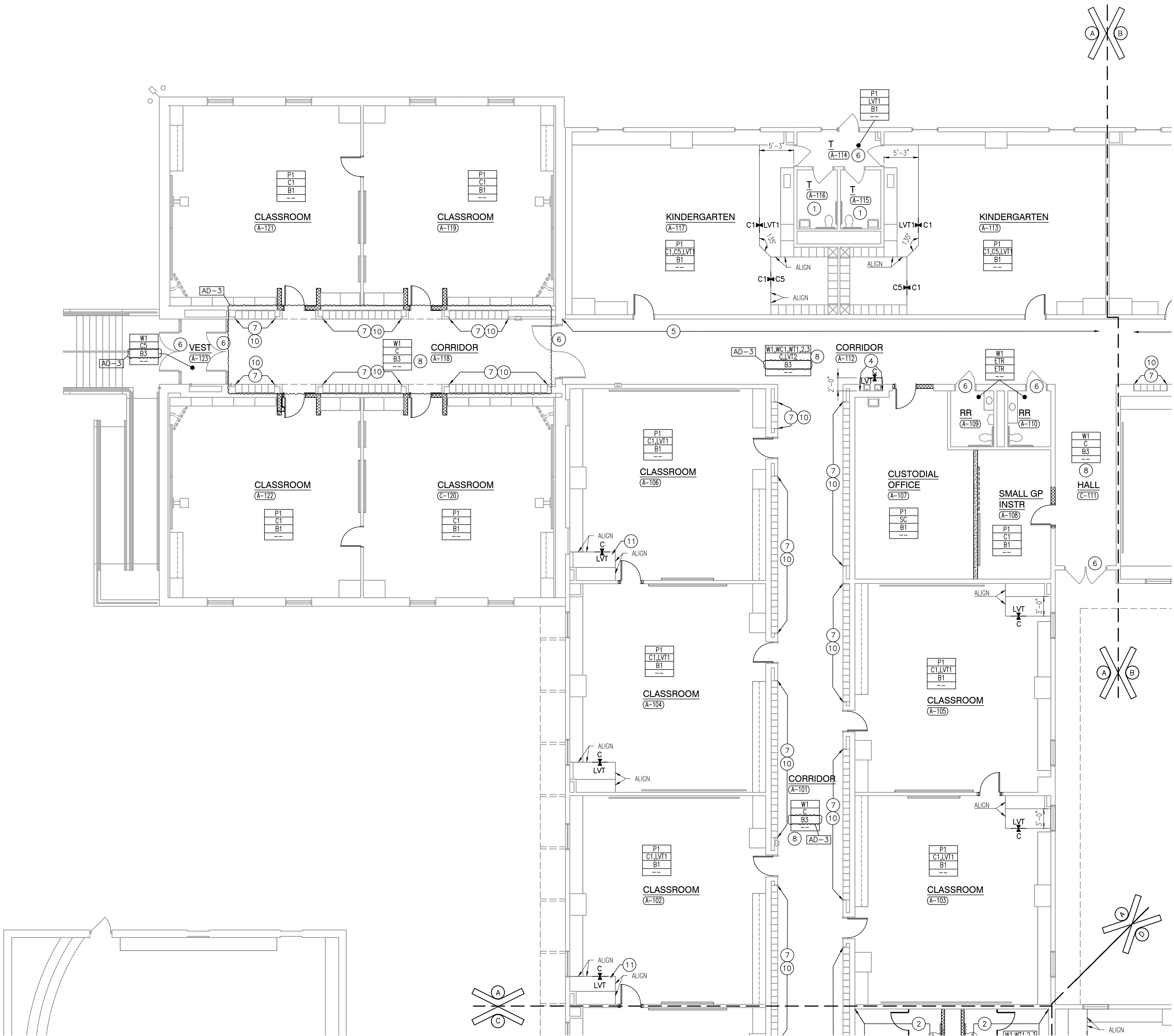
✕ FLOOR TRANSITION STRIP AS REQUIRED

↑ INDICATES DIRECTION OF MATERIAL GRAIN

FINISH PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS PLAN)

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UNIT "A" FIRST FLOOR FINISH PLAN

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



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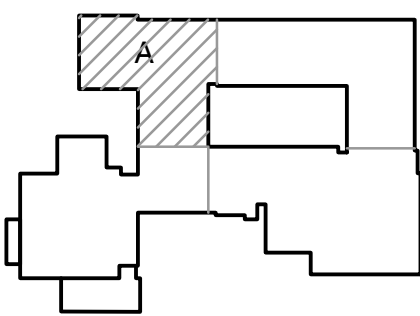
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FOR:

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SCHOOL CORPORATION

CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

GIBALTAR DESIGN

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COORDINATED BY

EJM

DRAWN BY

EKM

CHECKED BY

NAS

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DRAWING

UNIT "A" FIRST FLOOR FINISH
PLAN

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LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
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SHEET

A

A-801

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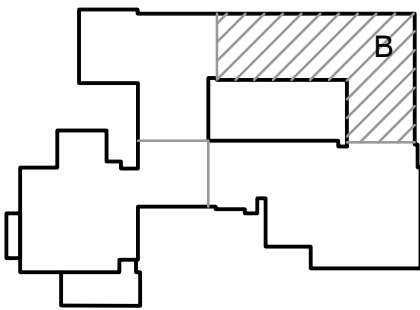
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UNIT "B" FIRST FLOOR FINISH PLAN

PROJECT

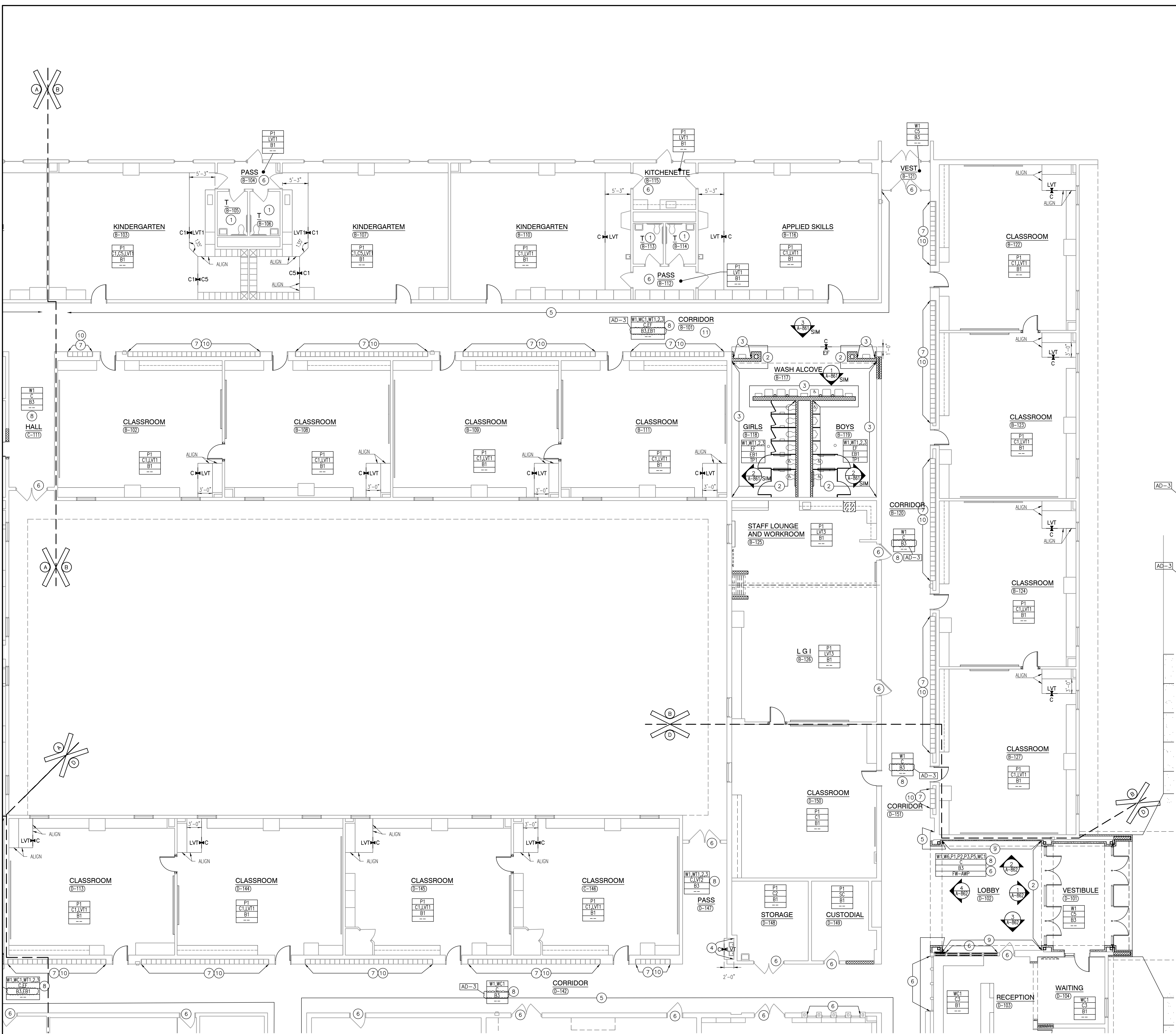
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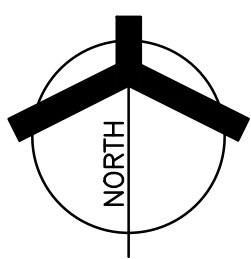
B

A-802



UNIT "B" FIRST FLOOR FINISH PLAN

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



- 1 NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
- 2 WALLCOATING, W1
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- 4 WALL TILE, REFER TO 4/A-861.
- 5 WALLCOVERING, WC1
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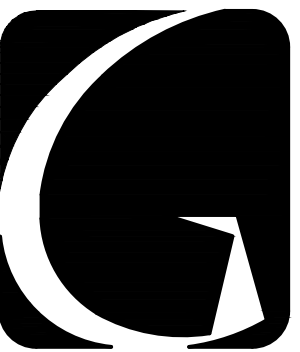
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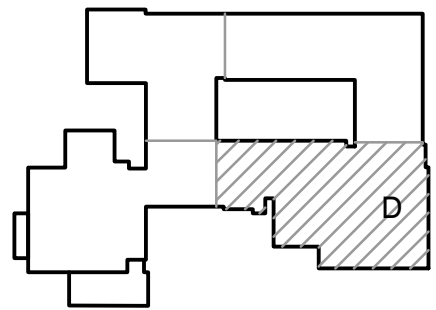


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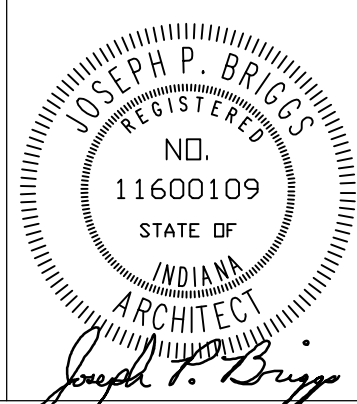


FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN

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PROJECT
21-117
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COORDINATED BY
EJM
DRAWN BY
EKM
CHECKED BY
NAS



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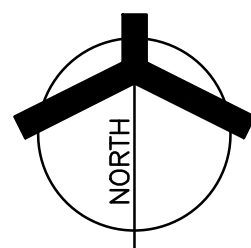
DRAWING
UNIT "D" FIRST FLOOR FINISH PLAN

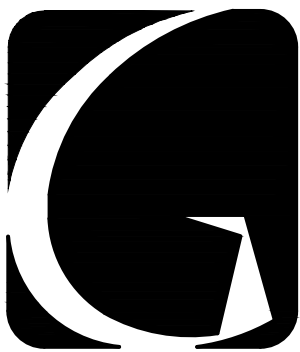
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UNIT "D" FIRST FLOOR FINISH PLAN

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





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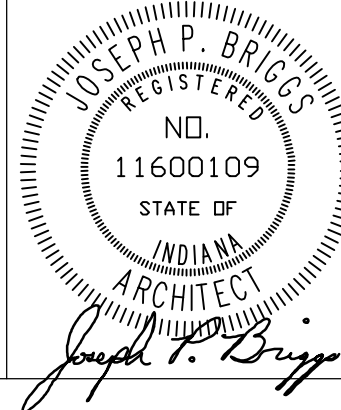
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REVISIONS

MARK	DATE	ISSUED FOR
AD-3	6/9/23	ADDENDUM NO. 3

DRAWING

INTERIOR ELEVATIONS

PROJECT

**LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK**

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SHEET

A-861

GENERAL INTERIOR ELEVATION NOTES:

- REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- REFERENCE FLOOR PATTERN PLANS, EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND /OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC., THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYLID TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

INTERIOR ELEVATION NOTES:

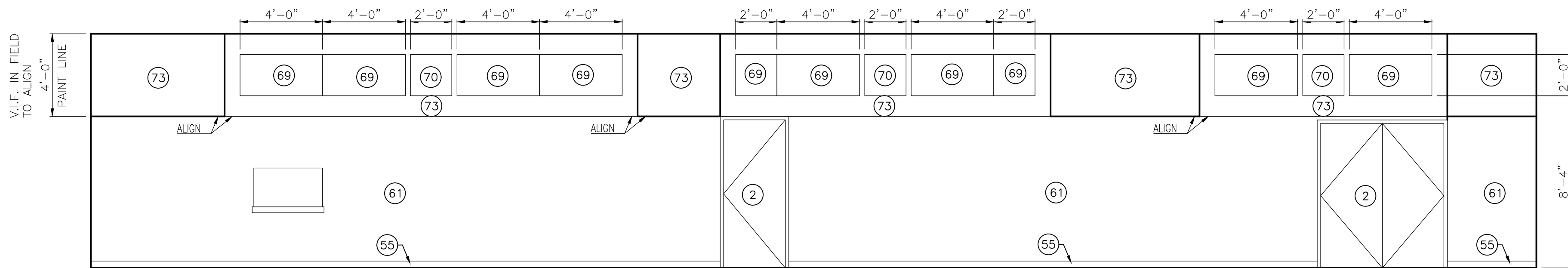
(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

- FINISHED WOOD TRIM
- DOOR
- WINDOW
- SCOREBOARD, SALVAGED AND RELOCATED
- WATER BOTTLE FILLER
- BLEACHERS
- SAFETY CUSHION WAINSCOT
- RETURN AIR GRILL, MATCH COLOR TO ADJACENT SURFACE.
- 1/2" REVEAL, PAINTED P2
- WOOD PANEL

INTERIOR ELEVATION FINISH NOTES:

(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

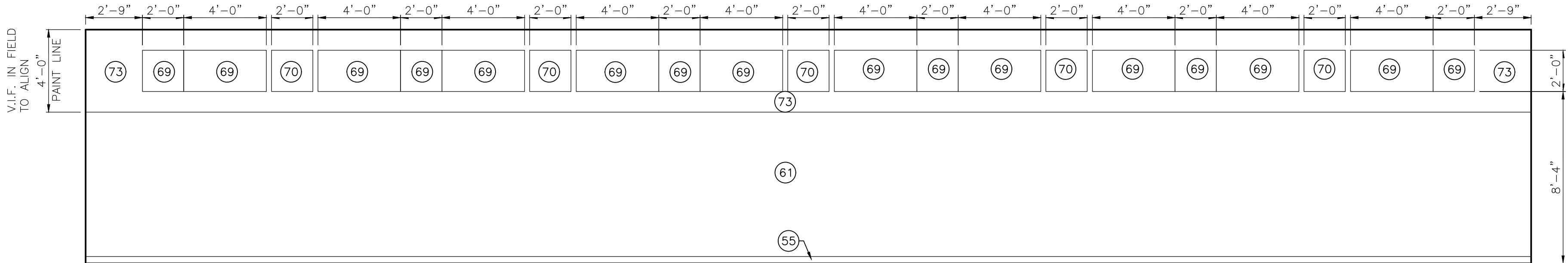
- WALLCOATING, W1
- WALL TILE, WT1
- WALL TILE, WT2
- WALL TILE, WT3
- EPOXY WALL BASE, EB1
- WALL BASE, B1
- SCHLUTER TRIM, OUTSIDE CORNER OR END OF TILE RUN
- ACOUSTICAL WALL PANEL, AR-AWP1
- ACOUSTICAL WALL PANEL, AR-AWP2
- ACOUSTICAL WALL PANEL, AR-AWP3
- ACOUSTICAL WALL PANEL, FW-AWP1
- PAINT, P1
- PAINT, P2
- PAINT, P3
- PAINT, P4
- WALLCOATING, W2
- WALL BASE, B3
- WALLCOVERING, WC1
- WALL BASE, B2
- ACOUSTICAL WALL PANEL, SP-AWP1
- ACOUSTICAL WALL PANEL, SP-AWP2
- ACOUSTICAL WALL PANEL, FW-AWP2
- ACOUSTICAL WALL PANEL, FW-AWP3
- PAINT, P6
- WALLCOATING, W6
- PAINT, P5



D-130 CAFETERIA WEST ELEVATION

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

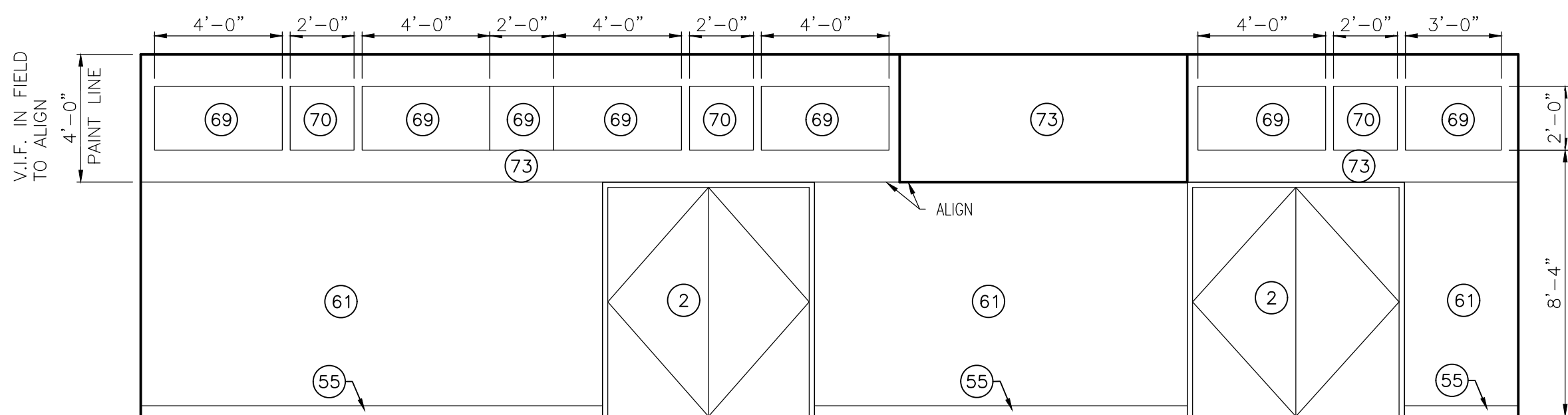
8
A-861



D-130 CAFETERIA EAST ELEVATION

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

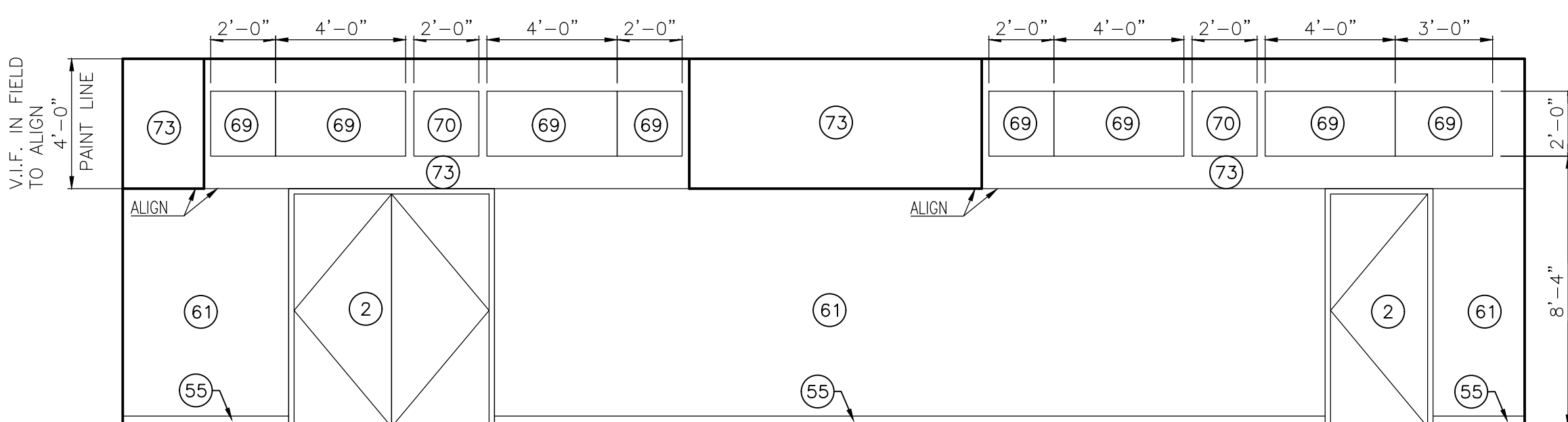
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A-861



D-130 CAFETERIA SOUTH ELEVATION

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

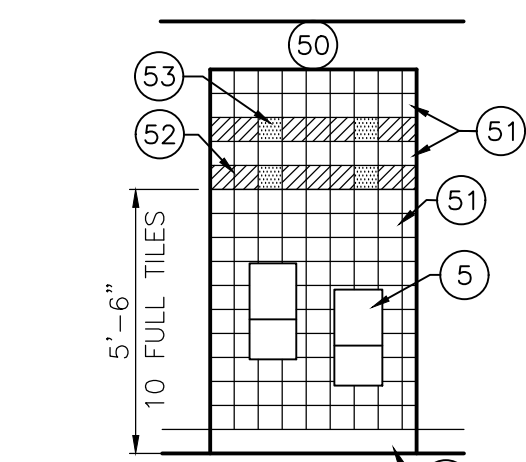
6
A-861



D-130 CAFETERIA NORTH ELEVATION

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

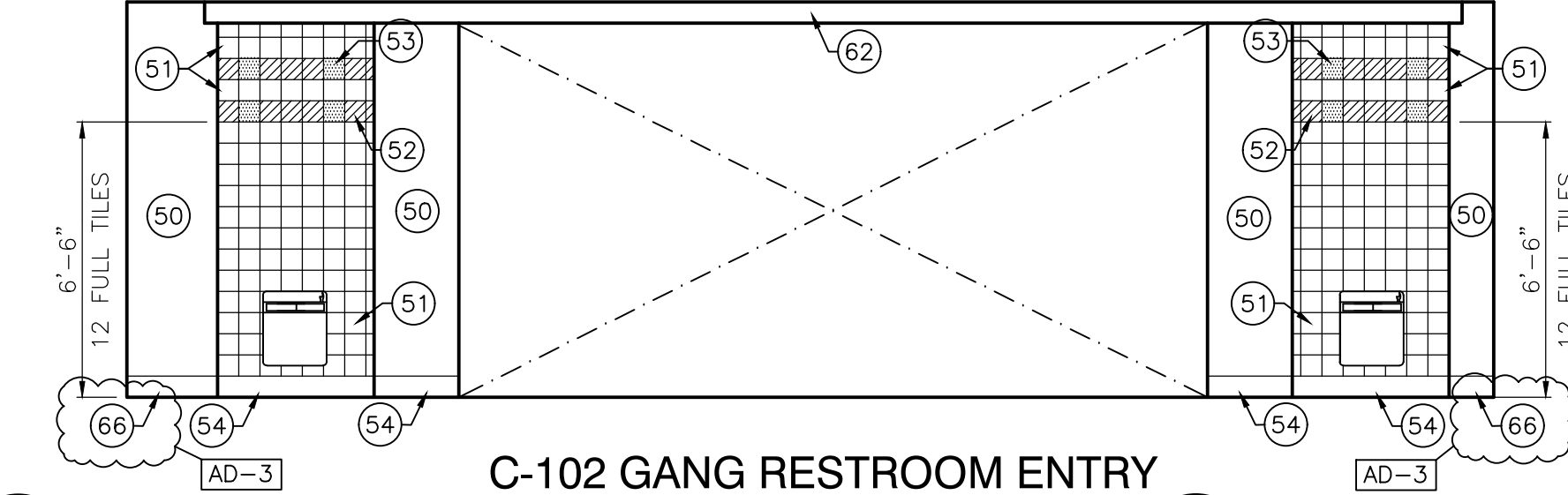
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A-861



**BOTTLE FILLER
ELEVATION - TYPICAL**

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

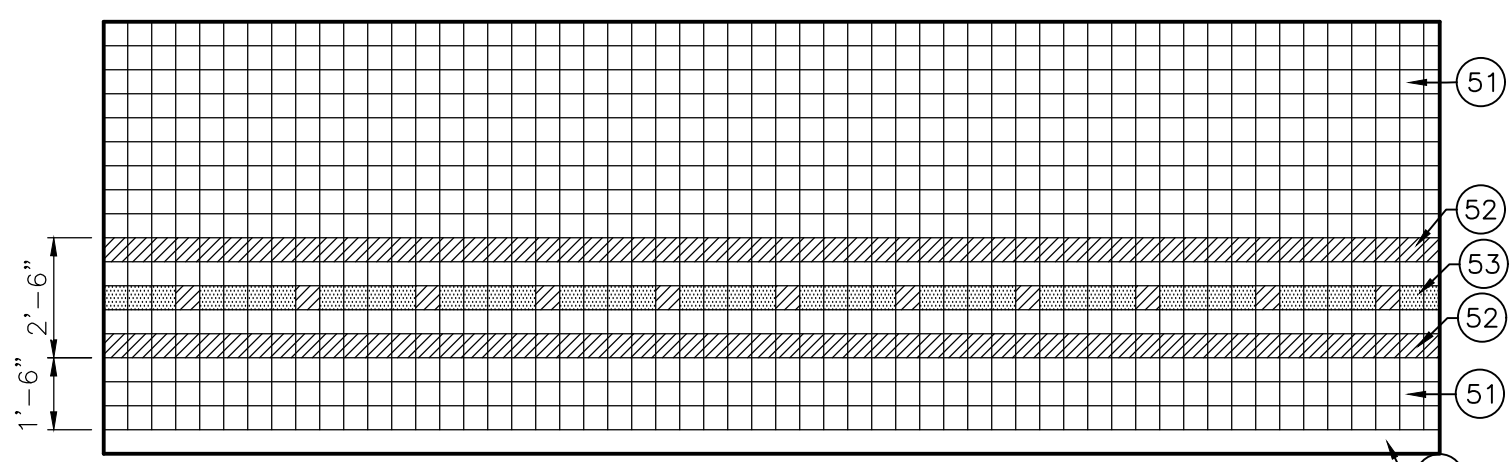
4
A-861



**C-102 GANG RESTROOM ENTRY
NORTH ELEVATION - TYPICAL**

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

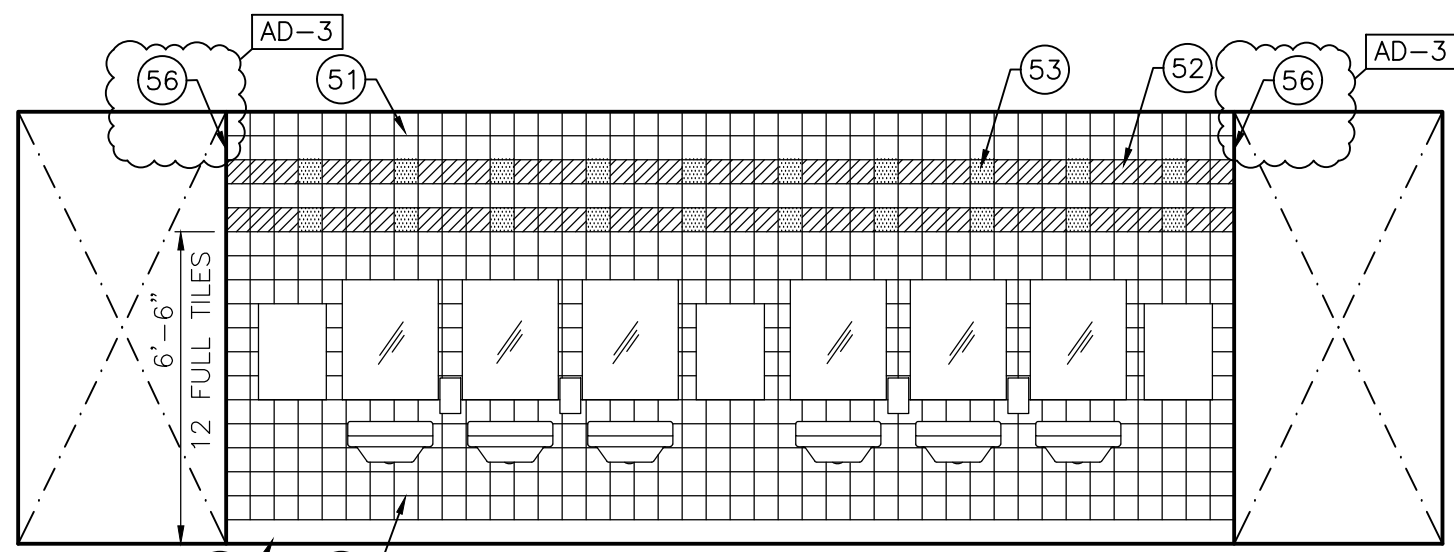
3
A-861



**C-103 GANG RESTROOM
EAST ELEVATION - TYPICAL**

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

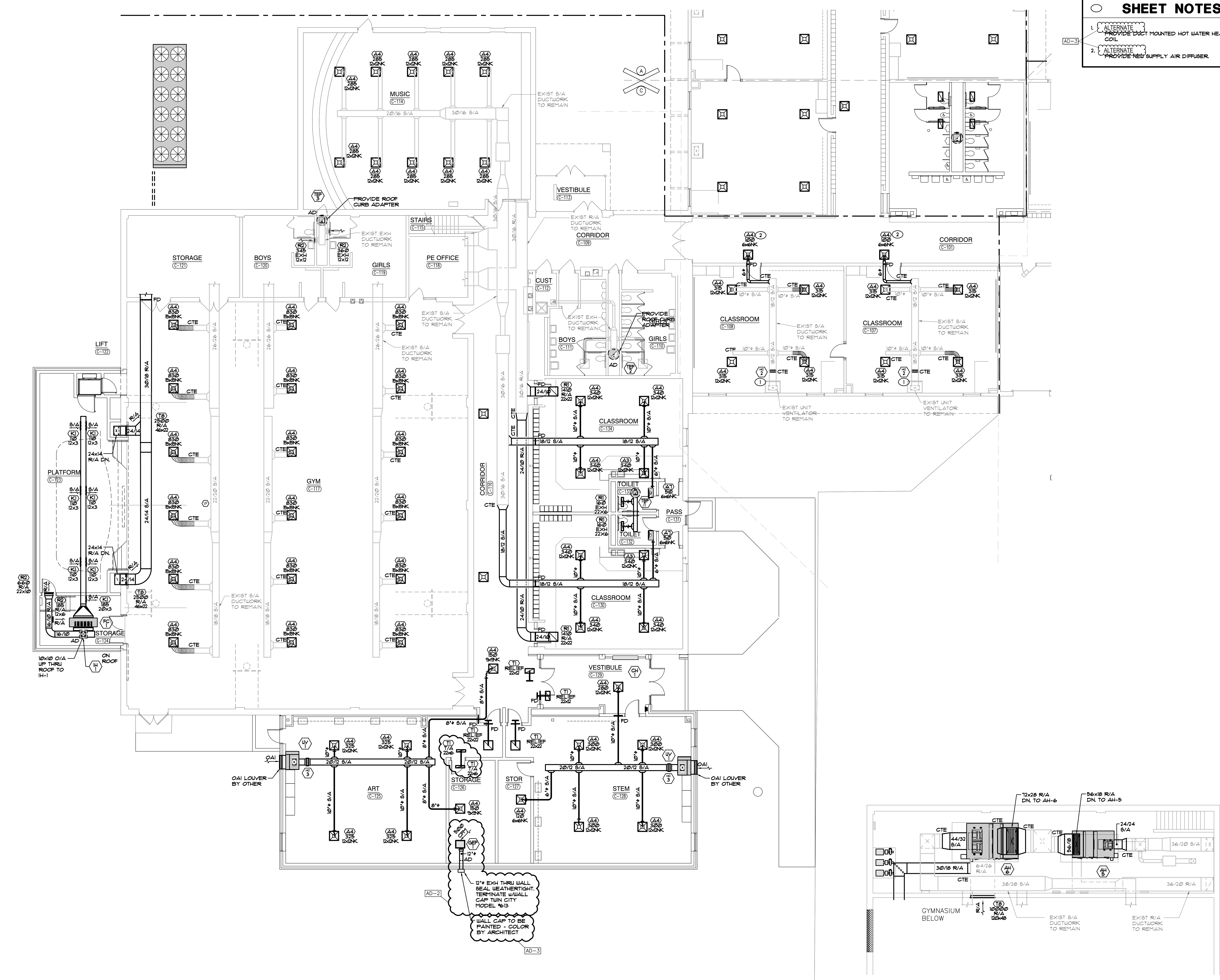
2
A-861



**C-102 WASH ALCOVE
NORTH ELEVATION - TYPICAL**

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

1
A-861



- SHEET NOTES**
1. ALTERNATE PROVIDE DUCT MOUNTED HOT WATER HEATING COIL
 2. ALTERNATE PROVIDE NEW SUPPLY AIR DIFFUSER



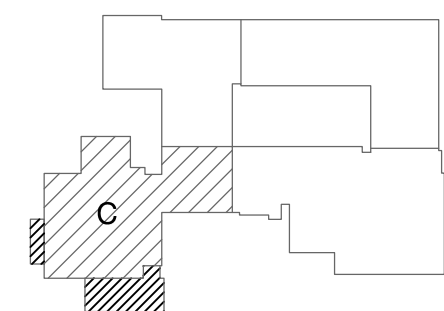
GIBRALTAR
DESIGN
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MILLIES
ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
**LAKE STREET
ELEMENTARY
SCHOOL ADDITION,
RENOVATION AND
RELATED WORK**

FOR:
**CROWN POINT COMMUNITY
SCHOOL CORPORATION**

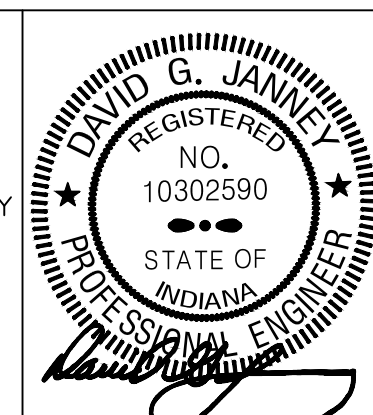
CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

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PROJECT
21-117
DATE
05/15/23
COORDINATED BY
SM
DRAWN BY
KS
CHECKED BY
DJ



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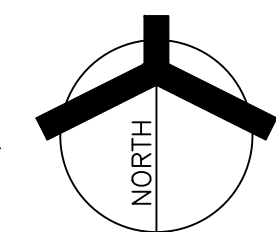
REVISIONS	MARK	DATE	ISSUED FOR
AD-2	06/02/23	ADDENDUM NO. 02	
AD-3	06/09/23	ADDENDUM NO. 03	

DRAWING
**PARTIAL MECHANICAL
FIRST FLOOR
VENTILATION PLAN**

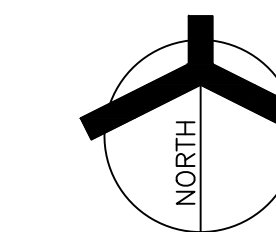
PROJECT
**LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK**

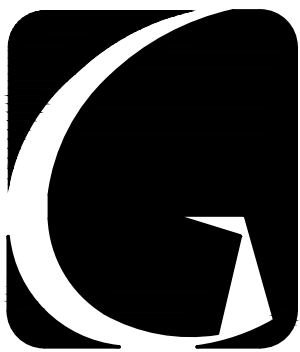
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MV103

PARTIAL MECHANICAL FIRST FLOOR VENTILATION PLAN
SCALE: 1/8" = 1'-0"



MECHANICAL MEZZANINE VENTILATION PLAN
SCALE: 1/8" = 1'-0"





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ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

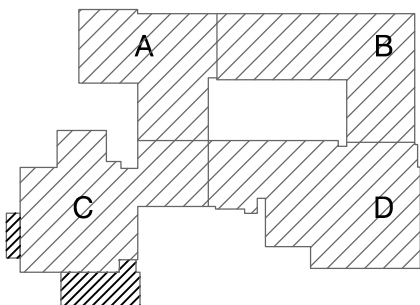


PROJECT

LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION

CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

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PROJECT
21-117
DATE
05/15/23
COORDINATED BY
SM
DRAWN BY
CHECKED BY
RS

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REVISIONS
MARK DATE ISSUED FOR
AD-2 06/02/23 ADDENDUM NO. 02
AD-3 06/09/23 ADDENDUM NO. 03

DRAWING MECHANICAL DETAILS & DIAGRAMS

PROJECT
LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK

© GIBALTAR DESIGN SHEET
M-501

MECHANICAL EQUIPMENT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	EFF	FAN MOTOR DATA										CHILLED WATER COOLING EQUIPMENT/COIL DATA										HOT WATER HEATING EQUIPMENT/COIL DATA										ELECTRICAL DATA										UNITS CONTROLLED BY	EQUIPMENT WEIGHT	REMARKS
					MIN OAI CFM			TSP	ESP	BHP	HP	RPM	MBH	SHC	GPM	EDB	EUB	LDB	LUB	EUT	LUT	MAX WPD	CAT	MBH (IN)	MBH (OUT)	GPM	EAT	LAT	EUT	LUT	MAX WPD	LOAD				MOCP	VOLT	PHASE	HZ	STARTER							
					CFM	HIGH	LOW																									HP	MCA	FLA	AMPS					MC	EC						
C-1	TRANE	RTAF-280	GRADE MOUNTED AIR COOLED CHILLER	1026 EER	-	-	-	-	-	-	-	-	3161	-	524	-	-	-	-	54	42	15	95	-	-	-	-	-	-	-	-	544	-	-	700	480	3	60	X	-	F15	10520	NOTE 1				
AH-1	TRANE	UCCA410	INTERIOR CENTRAL STATION AIR HANDLING UNIT HW HEATING / CHW COOLING - VAV	-	4125	1265	-	-	3	4.7	5	2240	185	139	37	80.9	65.6	50.2	50.1	42	54	15	-	-	214.6	21	46	94	180	160	15	-	28	-	-	50	208	3	60	X	-	F15	1705	NOTE 2			
AH-2	TRANE	UCCA412	INTERIOR CENTRAL STATION AIR HANDLING UNIT HW HEATING / CHW COOLING - SZVAV	-	6000	1500	-	-	2	5.9	7 1/2	2536	194	126	39	78.3	68.2	59.2	58.2	42	54	15	-	-	288	29	51	96	180	160	15	-	35.5	-	-	60	208	3	60	X	-	F15	1826	NOTE 2			
AH-3	TRANE	UCCA410	INTERIOR CENTRAL STATION AIR HANDLING UNIT HW HEATING / CHW COOLING - SZVAV	-	5000	2000	-	-	2	4.8	7 1/2	2382	199	141	40	80.0	67.0	54.4	54.0	42	54	15	-	-	286	29	40	92	180	160	15	-	35.5	-	-	60	208	3	60	X	-	F15	1630	NOTE 2			
AH-4	TRANE	UCCA417	INTERIOR CENTRAL STATION AIR HANDLING UNIT CHW COOLING - SZVAV	-	8500	2125	-	-	15	9.4	10	2442	334	235	67	80.0	67.0	54.9	54.2	42	54	15	-	-	-	-	-	-	-	-	-	53	-	-	90	208	3	60	X	-	F15	2099	NOTE 2				
AH-5	TRANE	UCCA412	INTERIOR CENTRAL STATION AIR HANDLING UNIT HW HEATING / CHW COOLING - VAV	-	6000	1500	-	-	3	7.1	10	2665	241	185	48	81.6	66.4	53.6	53.1	42	54	15	-	-	337	34	45	96	180	160	15	-	53	-	-	90	208	3	60	X	-	F15	1910	NOTE 2			
AH-6	TRANE	UCCA430	INTERIOR CENTRAL STATION AIR HANDLING UNIT HW HEATING / CHW COOLING - SZVAV	-	15000	5000	-	-	2	8.1	10	2291	553	353	110	80.3	69.1	58.9	57.8	42	54	15	-	-	830	83	45	96	180	160	15	-	74.8	-	-	125	208	3	60	X	-	F15	3307	NOTE 2			
UV-1	ENGINEERED AIRE	RUV-1600	VERTICAL UNIT VENTILATOR - 4 PIPE HW HEATING/CHW COOLING	-	1600	460	-	-	-	-	3/4	-	63	43	12	80.0	67.0	55.0	54.0	42	54	15	-	-	107	11	40	95	180	160	15	-	13	-	-	20	120	1	60	X	-	F15	700	NOTE 3			
FC-1	TRANE	BHCE036	HORIZONTAL DUCTED FAN COIL - HW HEATING / CHW COOLING	-	830	215	-	-	0.8	0.4	1/2	1448	36	26	7.4	79.0	64.0	50.0	46.0	42	54	5	-	-	82.3	8.1	47	138	180	160	5	-	9.3	-	-	15	120	1	60	X	-	F15	299	NOTE 4			
FC-2	TRANE	FCCB060	HORIZONTAL DUCTED FAN COIL - HW HEATING / CHW COOLING	-	555	180	-	-	0.5	0.1	2/3	1273	23	16	8	82.4	67.8	55.9	54.6	42	54	5	-	-	18	2.3	46	76	180	160	5	-	3.88	-	-	15	120	1	60	X	-	F15	128	NOTE 4			
FC-3	TRANE	FCCB060	HORIZONTAL DUCTED FAN COIL - HW HEATING / CHW COOLING	-	520	190	-	-	0.4	-	2/3	-	20	14	6.3	80.0	66.8	55.6	54.4	42	54	5	-	-	19.5	0.8	42	77	180	160	5	-	3.88	-	-	15	120	1	60	X	-	F15	128	NOTE 4			
TEF-1	TWIN CITY	VC-038	ROOF MOUNTED TOILET EXHAUST FAN	-	320	-	-	0.63	-	0.1	1/6	1428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	F15	100	NOTE 5			
TEF-2	TWIN CITY	DCRD 140	ROOF MOUNTED TOILET EXHAUST FAN	-	110	-	-	0.63	-	0.2	3/4	1206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3/4	-	-	-	-	120	1	60	-	X	F15	200	NOTE 5			
TEF-3	TWIN CITY	DCRD 140	ROOF MOUNTED TOILET EXHAUST FAN	-	140	-	-	0.63	-	0.3	3/4	1302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3/4	-	-	-	-	120	1	60	-	X	F15	200	NOTE 5			
TEF-4	TWIN CITY	DCRD 140	ROOF MOUNTED TOILET EXHAUST FAN	-	1840	-	-	0.63	-	0.4	3/4	1464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3/4	-	-	-	-	120	1	60	-	X	F15	200	NOTE 5			
TEF-5	TWIN CITY	VC-038	ROOF MOUNTED TOILET EXHAUST FAN	-	300	-	-	0.63	-	0.1	1/6	1412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	F15	100	NOTE 5			
TEF-6	TWIN CITY	VC-038	ROOF MOUNTED TOILET EXHAUST FAN	-	320	-	-	0.63	-	0.1	1/6	1428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	F15	100	NOTE 5			
TEF-7	TWIN CITY	VC-038	ROOF MOUNTED TOILET EXHAUST FAN	-	320	-	-	0.63	-	0.1	1/6	1428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	F15	100	NOTE 5			
TEF-8	TWIN CITY	VC-038	ROOF MOUNTED TOILET EXHAUST FAN	-	320	-	-	0.63	-	0.1	1/6	1428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	F15	100	NOTE 5			
TEF-9	TWIN CITY	DCRD 140	ROOF MOUNTED TOILET EXHAUST FAN	-	1760	-	-	0.63	-	0.4	3/4	1432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3/4	-	-	-	-	120	1	60	-	X	F15	200	NOTE 5			
TEF-10	TWIN CITY	VC-085	ROOF MOUNTED TOILET EXHAUST FAN	-	120	-	-	0.50	-	0	1/6	1676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	F15	100	NOTE 5			
TEF-11	TWIN CITY	VC-038	ROOF MOUNTED TOILET EXHAUST FAN	-	520	-	-	0.63	-	0.1	1/6	1643	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6	-	-	-	-	120	1	60	-	X	F15	100	NOTE 5			
GEF-1	TWIN CITY	T-300H	CEILING MOUNTED GENERAL EXHAUST FAN (STORAGE C-126)	-	500	-	-	0.50	-	0.2	1/2	524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/2	-	-	-	-	120	1	60	-	X	WALL SWITCH	75	NOTE 1			
CH-1	VULCAN	RW-04	RECESSED HW CABINET HEATER	-	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	15	120	1	60	-	X	F15	128	NOTE 6			

AD-2

AD-3

NOTES:

1. PROVIDE WITH:
• SOUND ATTENUATION KIT
• NEOPRENE PADS
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

2. PROVIDE WITH:
• SEE SECTIONS FOR MODULAR REQUIREMENTS
• SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

3. PROVIDE WITH:
• INTEGRATED ENTHALPY ECONOMIZER
• DISCONNECT SWITCH
• FACE/BYPASS DAMPER
• FILTERS
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

4. PROVIDE WITH:
• DISCONNECT SWITCH
• VIBRATION ISOLATION HANGERS
• TERMINAL STRIPS FOR DDC READY
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

5. PROVIDE WITH:
• ECM MOTOR WITH POTENTIOMETER
• SPEED CONTROLLER
• MOTORIZED DAMPER
• BIRD SCREEN
• ROOF CURB ADAPTOR
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

6. PROVIDE WITH:
• INTEGRAL THERMOSTAT
• DISCONNECT SWITCH
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

7. PROVIDE WITH:
• BUILT IN BACK DRAFT DAMPER
• VIBRATION ISOLATORS
• INLINE ADAPTER
• WALL CAP
SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

DUCT MOUNTED HW HEATING COIL SCHEDULE

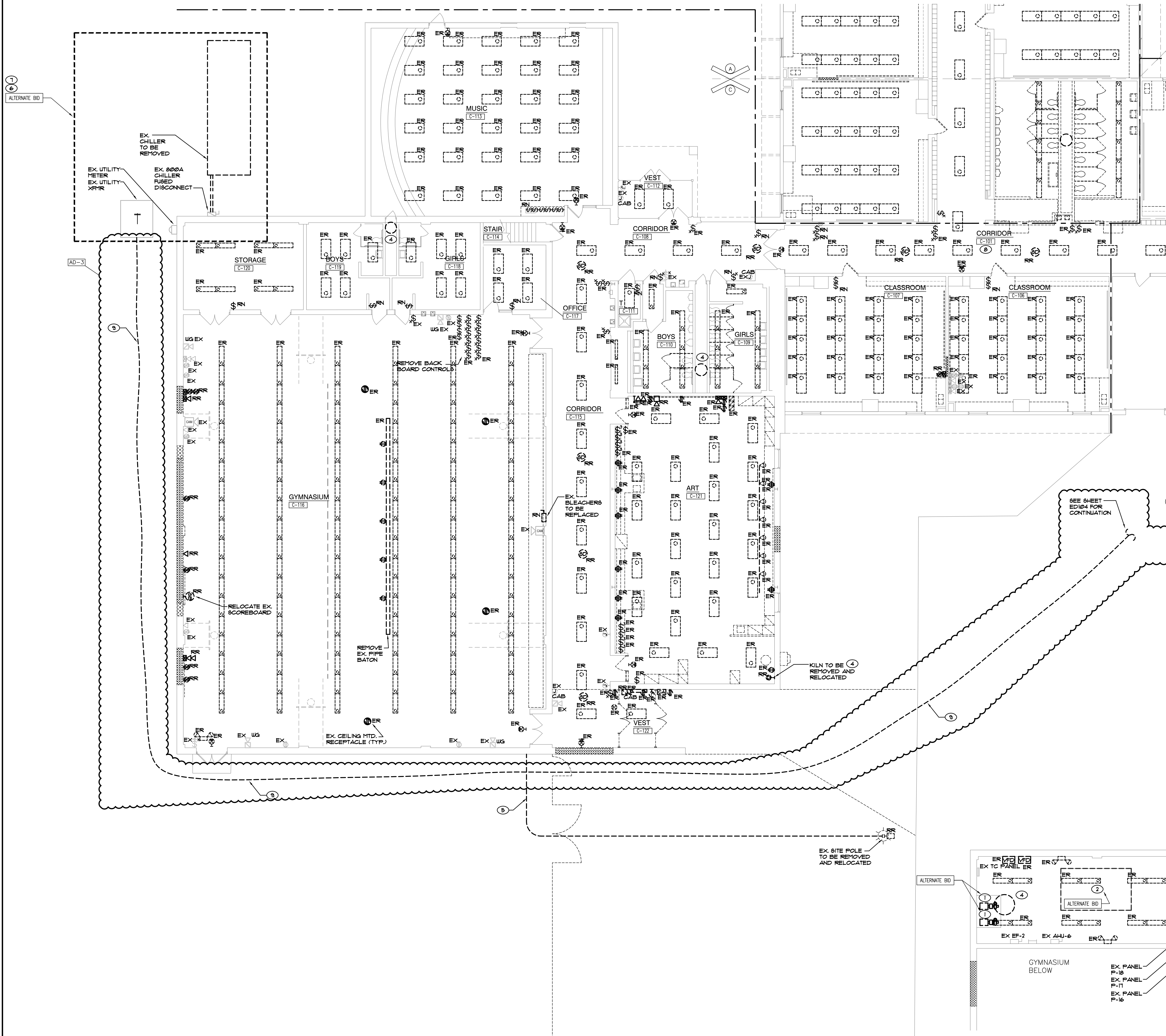
TAG	MANUFACTURER	MODEL	SIZE W x H	CFM	HW REHEAT COIL DATA	REMARKS
HUC-1	TRANE	DUPB1202	20 x 12	1600	39.9 4.0 5' 55 100	
HUC-2	TRANE	DUPB1201	18 x 12	1200	31.3 3.2 5' 55 100	
HUC-3	TRANE	DUPB1201	14 x 10	800	20.7 1.2 5' 55 100	

INTAKE/RELIEF HOOD SCHEDULE

TAG	MANUFACTURER	MODEL #	THROAT SIZE	DESCRIPTION	HOOD LOCATION	REMARKS
RH-1	ACHE	#TIV	SEE PLANS	RELIEF AIR HOOD	ROOF	PROVIDE W/ BIRDSCREEN, BAROMETRIC RELIEF DAMPER AND 18" HIGH ROOF CURB.

PUMP SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	GPM	HEAD (FT.)	PUMP MOTOR DATA							SUCTION/ DISCHARGE SIZE	REMARKS
						HP	RPM	VOLT	PHASE	HZ	STARTER MC, EC			
CP-1	BELL & GOSSETT	SERIES 1510 5A	CHILLED WATER RECIRCULATION PUMP	524	32	7 1/2	1623	208	3	60	X	-	5' / 4'	-
CUP-1	BELL & GOSSETT	SERIES 1510 5A	CHILLED WATER DISTRIBUTION PUMP	262	75	10	1654	208	3	60	X	-	3' / 2.5'	CHILLED WATER PRIMARY PUMPS W/VD OPERATING IN PARALLEL. 524 GPM AT 75 FT. HD. WITH DUAL POWER FEEDERS
CUP-2	BELL & GOSSETT	SERIES 1510 5A	CHILLED WATER DISTRIBUTION PUMP	262	75	10	1654	208	3	60	X	-	3' / 2.5'	

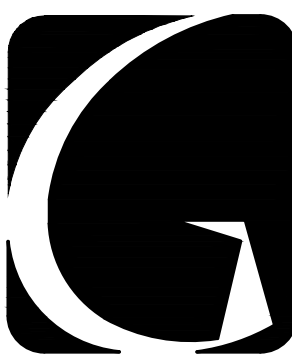


GENERAL NOTES

- THE DEVICES SHOWN ON THE DRAWINGS HAVE BEEN LOCATED AS A SERVICE TO THE CONTRACTOR AND MAY NOT INDICATE THE COMPLETE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL FIELD VERIFY ALL DEVICES AND VERIFY THE COMPLETE SCOPE OF DEMOLITION WORK WITH ARCHITECT.
- DISCONNECT AND REMOVE EXISTING LIGHTING (LABELED AND SHOWN AS ER) AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX. COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW LIGHTING AND CONTROLS.
- CONTRACTOR SHALL CAREFULLY VERIFY EXISTING CONDUITS, BOXES, DEVICES, EQUIPMENT, LOW VOLTAGE DEVICES, ETC. LOCATED ON THE CEILING AND ON THE WALLS IN WHICH ARCHITECTURAL MODIFICATIONS, STRUCTURAL MODIFICATION OR NEW CEILINGS WILL BE LOCATED. CONTRACTOR SHALL REMOVE AND RELOCATE ALL CEILING AND WALL MOUNTED DEVICES AS REQUIRED TO ELIMINATE CONFLICTS BETWEEN EXISTING DEVICES AND ARCHITECTURAL/STRUCTURAL MODIFICATIONS. PROVIDE NEW SURFACE RACEWAY AND SURFACE RACEWAY BACKBOXES AS REQUIRED FOR ALL RELOCATED DEVICES, COMPLETE AS REQUIRED.
- ALL LIGHT SWITCHES, SENSORS AND CONTROL DEVICES THAT BECOME ABANDONED AS PART OF THE WORK SHALL BE REMOVED.
- CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT THAT ARE REMOVED AS PART OF THIS WORK OR HAS BEEN PREVIOUSLY REMOVED BY OTHERS. ALL ABANDONED ELECTRICAL CONNECTIONS, WIRING, ACCESSIBLE CONDUIT, ETC. ARE TO BE REMOVED BACK TO SOURCE PANEL, COMPLETE AS REQUIRED.
- PROVIDE ALL LABOR AS REQUIRED TO COMPLETELY REMOVE ABANDONED LOW VOLTAGE DEVICES. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.

SHEET NOTES

- EXISTING CHILLED WATER PUMPS TO BE REMOVED. DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION, COMPLETE AS REQUIRED.
- EXISTING AIR HANDLING UNIT TO BE REMOVED. DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION, COMPLETE AS REQUIRED.
- EXISTING UNIT HEATER TO BE REMOVED, DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTIONS, COMPLETE AS REQUIRED.
- EXISTING EXHAUST FAN TO BE REMOVED, DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION, COMPLETE AS REQUIRED.
- EXISTING SITE CONDUIT IN FOOTPRINT OF BUILDING ADDITIONS TO BE REROUTED THROUGH NEW BUILDING ADDITIONS AND OVERHEAD. INTERCEPT EXISTING PENETRATION THROUGH EXISTING WALL. VERIFY EXACT CONDITIONS & REQUIREMENTS IN FIELD.
- BASE BID; EXISTING CHILLER TO REMAIN.
- ALTERNATE; EXISTING CHILLER TO BE REPLACED. DISCONNECT AND REMOVE EXISTING CHILLER. RETAIN EXISTING FEEDER FOR NEW ELECTRICAL CONNECTION, COMPLETE AS REQUIRED.
- ALTERNATE; DEMO ELECTRICAL WORK IN CORRIDOR C-101.
- REROUTE EXISTING UTILITY PRIMARY FEEDER FOR CHILLER SERVICE IN FOOTPRINT OF BUILDING ADDITION.



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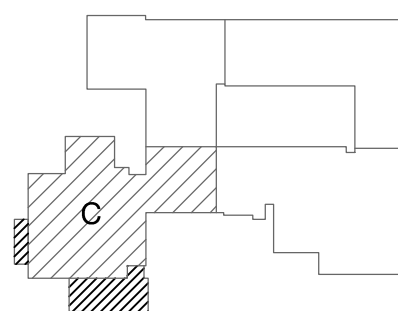


PROJECT

LAKE STREET
ELEMENTARY
SCHOOL ADDITION,
RENOVATION AND
RELATED WORK

FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION

CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN

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AD-3 06/09/23 ADDENDUM NO. 03

DRAWING
PARTIAL ELECTRICAL
FIRST FLOOR DEMOLITION
PLAN

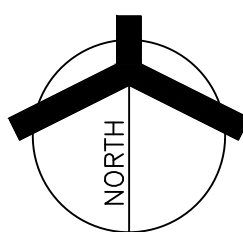
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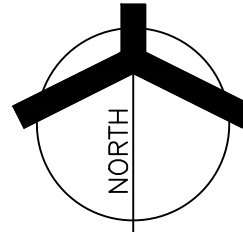
PARTIAL ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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



ELECTRICAL MEZZANINE DEMOLITION PLAN

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





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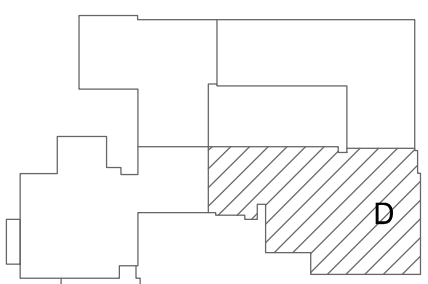
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SCHOOL CORPORATION

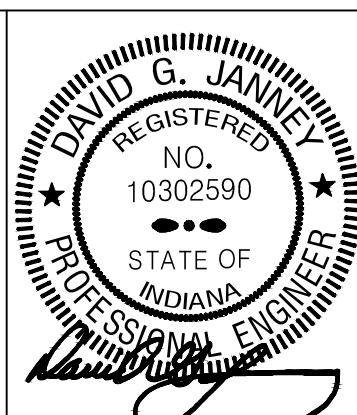
CROWN POINT, INDIANA



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DRAWING
**PARTIAL ELECTRICAL
FIRST FLOOR DEMOLITION
PLAN**

PROJECT
LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK

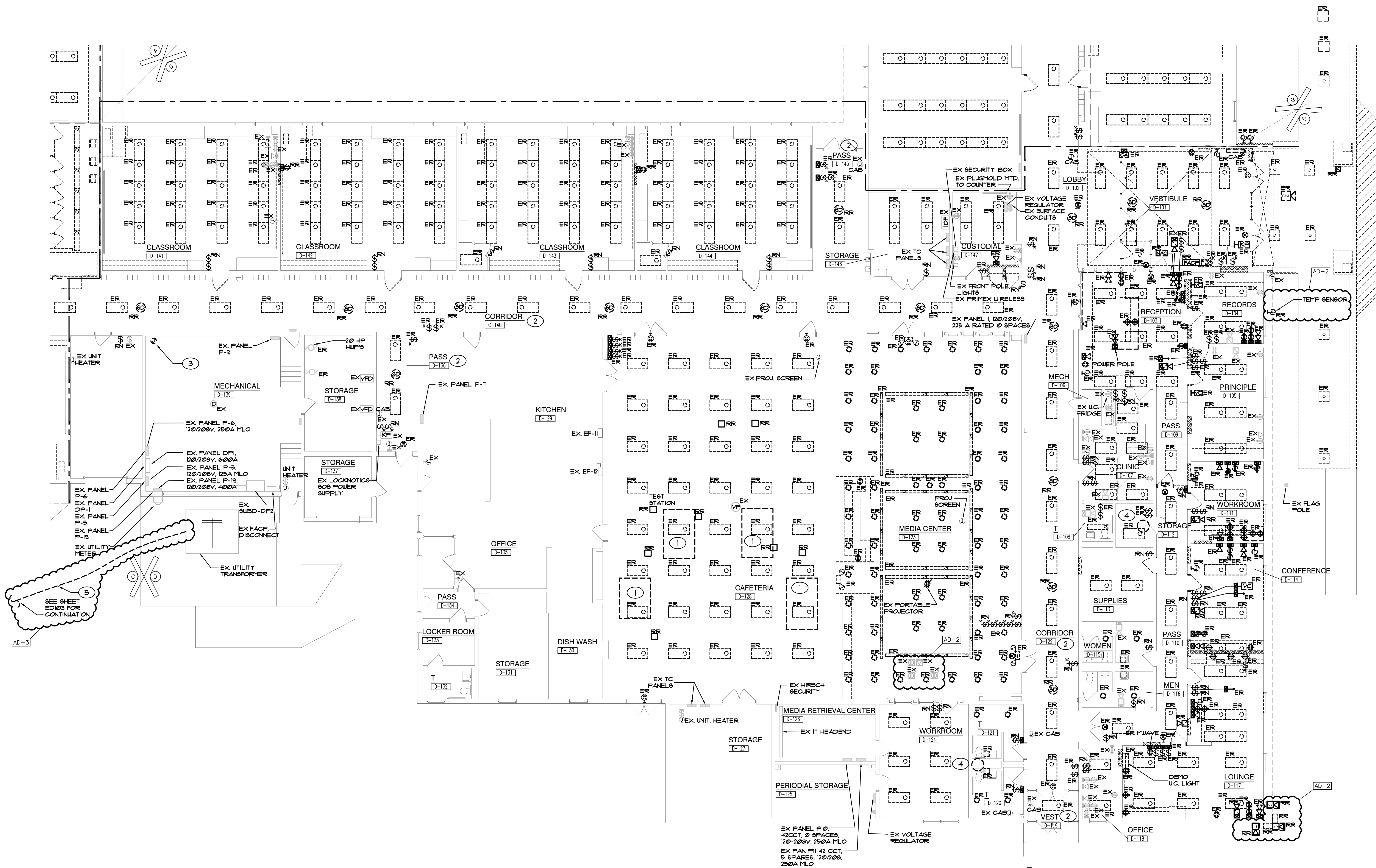
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SHEET NOTES

- EXISTING AIR HANDLING UNIT TO BE REMOVED, DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION, COMPLETE AS REQUIRED.
- ALTERNATE DEMO ELECTRICAL WORK IN CORRIDORS.
- ALTERNATE EXISTING HOT WATER HEATER TO BE REMOVED, DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION, COMPLETE AS REQUIRED.
- EXISTING EXHAUST FAN TO BE REMOVED, DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION, COMPLETE AS REQUIRED.
- REROUTE EXISTING UTILITY PRIMARY FEEDER FOR CHILLER SERVICE IN FOOTPRINT OF BUILDING ADDITION.

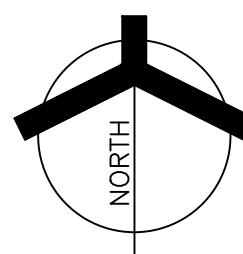
GENERAL NOTES

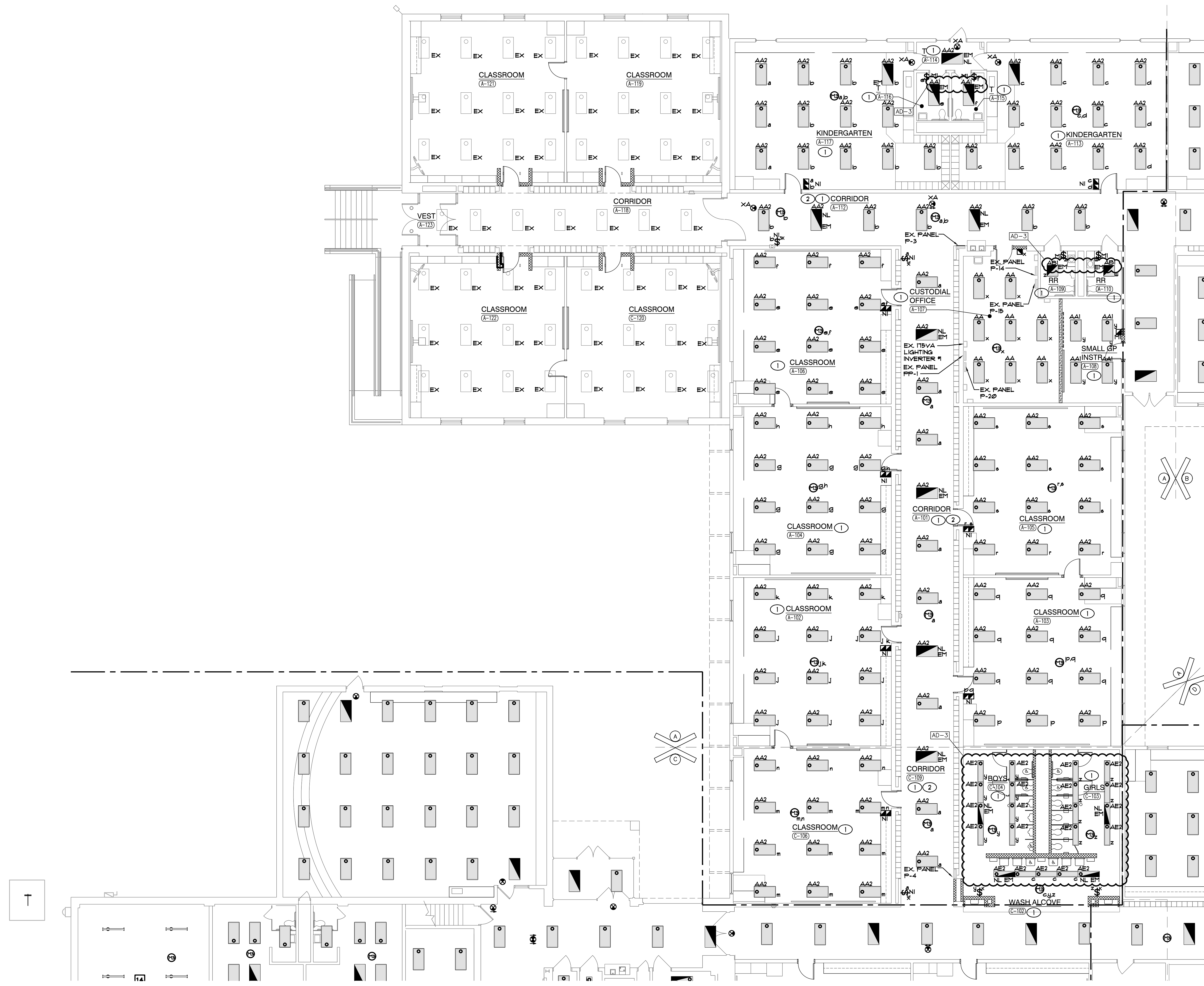
- THE DEVICES SHOWN ON THE DRAWINGS HAVE BEEN LOCATED AS A SERVICE TO THE CONTRACTOR AND MAY NOT INDICATE THE COMPLETE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL FIELD VERIFY ALL DEVICES AND VERIFY THE COMPLETE SCOPE OF DEMOLITION WORK WITH ARCHITECT.
- DISCONNECT AND REMOVE EXISTING LIGHTING (LABELED AND SHOWN AS 'ER') AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX, COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW LIGHTING AND CONTROLS.
- CONTRACTOR SHALL CAREFULLY VERIFY EXISTING CONDUITS, BOXES, DEVICES, EQUIPMENT, LOW VOLTAGE DEVICES, ETC. LOCATED ON THE CEILING AND ON THE WALLS IN WHICH ARCHITECTURAL MODIFICATIONS, STRUCTURAL MODIFICATION OR NEW CEILING WILL BE LOCATED. CONTRACTOR SHALL REMOVE AND RELOCATE ALL CEILING AND WALL MOUNTED DEVICES AS REQUIRED TO ELIMINATE CONFLICTS BETWEEN EXISTING DEVICES AND ARCHITECTURAL/STRUCTURAL MODIFICATIONS. PROVIDE NEW SURFACE RACEWAY AND SURFACE RACEWAY BACKBOXES AS REQUIRED FOR ALL RELOCATED DEVICES, COMPLETE AS REQUIRED.
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- PROVIDE ALL LABOR AS REQUIRED TO COMPLETELY REMOVE ABANDONED LOW VOLTAGE DEVICES. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.



PARTIAL ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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





PARTIAL ELECTRICAL FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

- ### GENERAL NOTES
- EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
 - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
 - ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
 - VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

- ### SHEET NOTES
- RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES. COMPLETE AS REQUIRED. MAXIMUM 440V PER 277V VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #2 GND IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
 - ALTERNATE NEW LIGHTING FIXTURES AND CONTROLS IN CORRIDORS.



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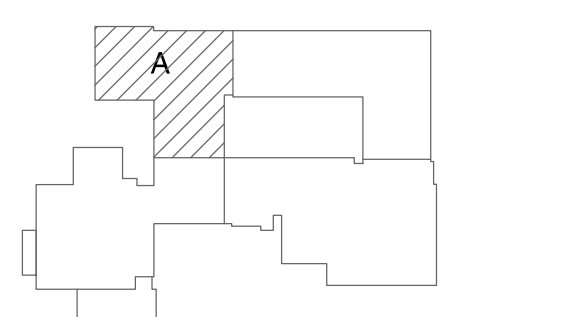


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PROJECT
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FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION

CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

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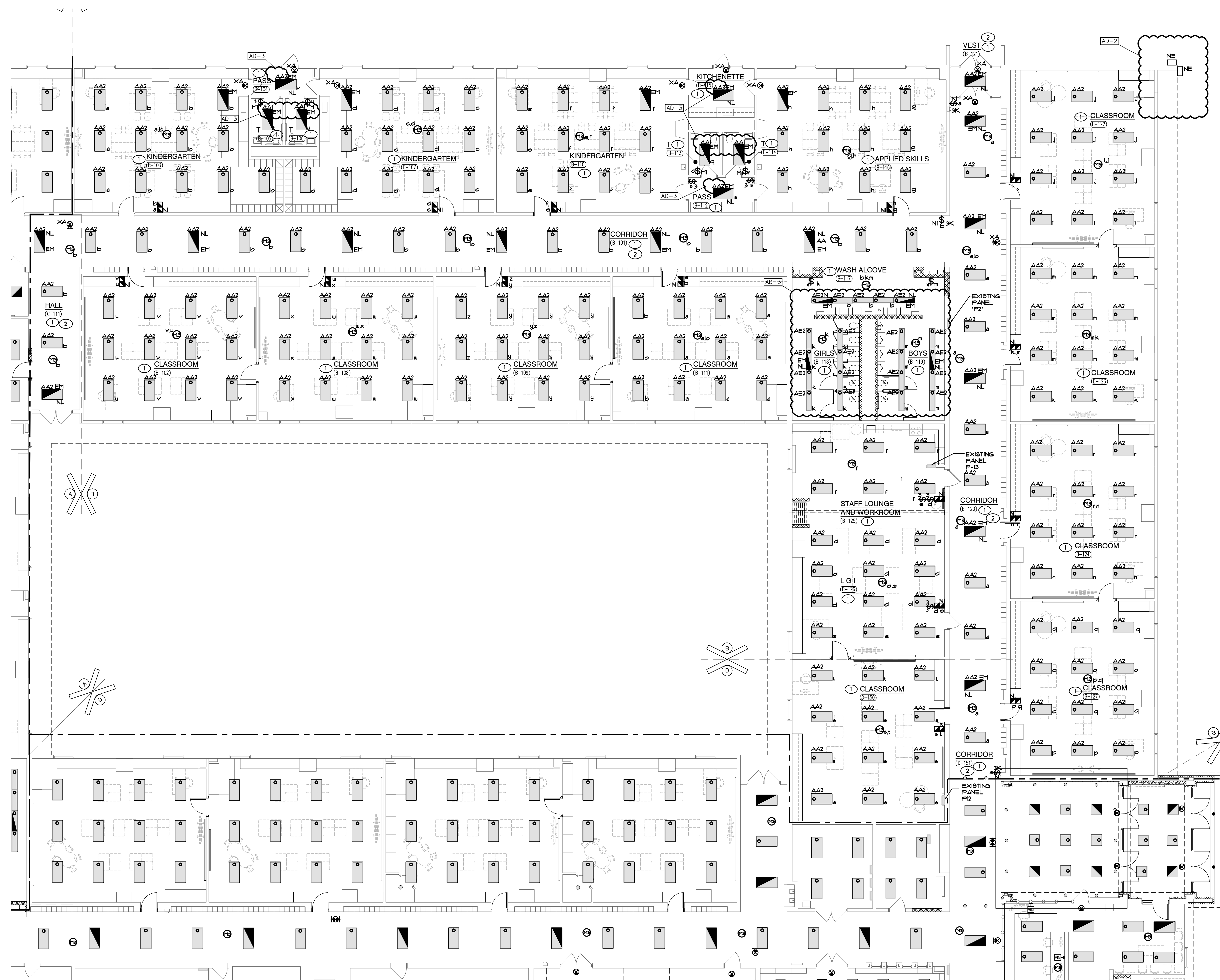
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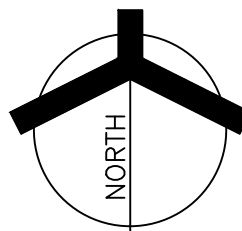
DRAWING
PARTIAL ELECTRICAL
FIRST FLOOR LIGHTING
PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK

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PARTIAL ELECTRICAL FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"



GENERAL NOTES

1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO NEW PANEL 2 UNLESS OTHERWISE NOTED.
2. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
4. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILING AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
5. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

SHEET NOTES

1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 1400W PER 120 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2" 1/2 AND 1" 1/2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. ALTERNATE NEW LIGHTING FIXTURES AND CONTROLS IN CORRIDORS.



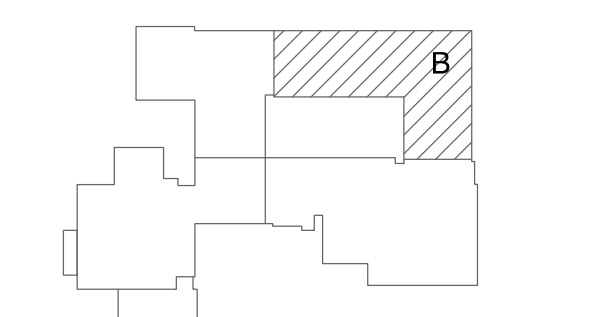
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FOR:
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SCHOOL CORPORATION

CROWN POINT, INDIANA



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DRAWING
PARTIAL ELECTRICAL
FIRST FLOOR LIGHTING
PLAN

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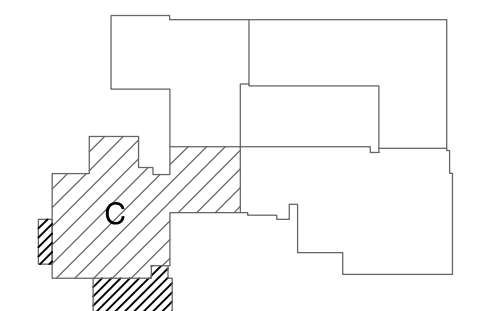
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SCHOOL CORPORATION

CROWN POINT, INDIANA

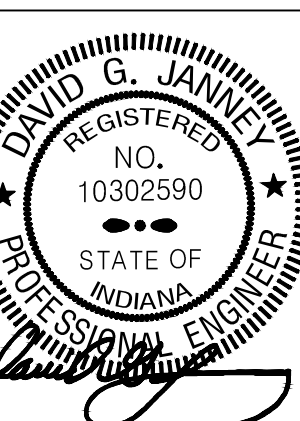


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AD-2	06/02/23	ADDENDUM NO. 02	
AD-3	06/09/23	ADDENDUM NO. 03	

DRAWING
**PARTIAL ELECTRICAL
FIRST FLOOR LIGHTING
PLAN**

PROJECT
LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
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GENERAL NOTES

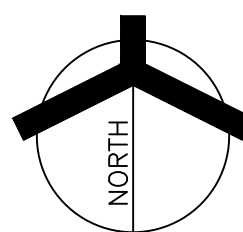
1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO EXISTING PANEL P18 UNLESS OTHERWISE NOTED.
2. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
4. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILING AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
5. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.
6. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.

SHEET NOTES

1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES. COMPLETE AS REQUIRED. MAXIMUM 1400W PER 120 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 1/2" AND 1 1/2" GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. ALTERNATE NEW LIGHTING FIXTURES AND CONTROLS IN CORRIDORS.
3. PROVIDE A FULL ADJUSTABLE LIGHT STAND ALONE SYSTEM TO CONTROL THE GYMNASIUM AND STAGE LIGHTING. PROVIDE OCCUPANCY SENSORS, SWITCHES, ACCESSORIES, DEVICES, CABLEING, ETC. FOR A COMPLETE AND PROPER INSTALLATION. LOW VOLTAGE CABLEING SHALL BE ROUTED IN CONDUIT IN EXPOSED CEILING.
4. VERIFY EXACT LOCATION OF FIXTURE WITH ARCHITECT AND PROVIDE CUSTOM WIRE GUARD PROTECTION.
5. TWO (2) GYMNASIUM INVERTERS, PROVIDE TWO (2) MINIMUM 1100VA MYERS LV-5-R-X SERIES INVERTERS OR APPROVED EQUAL. INVERTER SHALL BE LOCATED FOR EASY ACCESS AND PROPER COOLING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. CONNECT EMERGENCY INTERIOR LIGHTING FIXTURES TO CIRCUIT INDICATED IN EX. PANEL EM-L VIA GYMNASIUM EMERGENCY INVERTERS. MEASURE AND BALANCE LOADS ACROSS INVERTERS PER MANUFACTURER'S INSTRUCTIONS. PROVIDE UL 924 BYPASS DEVICES TO ALLOW THE FIXTURE TO BE CONTROLLED ALONG WITH THE NORMAL LIGHTING IN THE ROOM. UPON LOSS OF POWER, FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% FOR A MINIMUM OF 90 MINUTES, REGARDLESS OF SWITCH POSITION. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD AND WITH LIGHTING CONTROLS MANUFACTURER, COMPLETE AS REQUIRED.

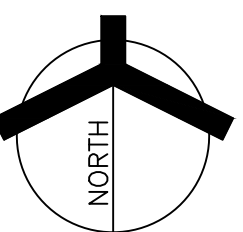
PARTIAL ELECTRICAL FIRST FLOOR LIGHTING PLAN

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



ELECTRICAL MEZZANINE LIGHTING PLAN

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



- SHEET NOTES**
1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 14000 PER 120 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 225A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #2 AND 1 #0 GND IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
 2. ALTERNATE NEW LIGHTING FIXTURES AND CONTROLS IN CORRIDORS.

- GENERAL NOTES**
1. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
 2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
 3. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILING AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
 4. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHINGS TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

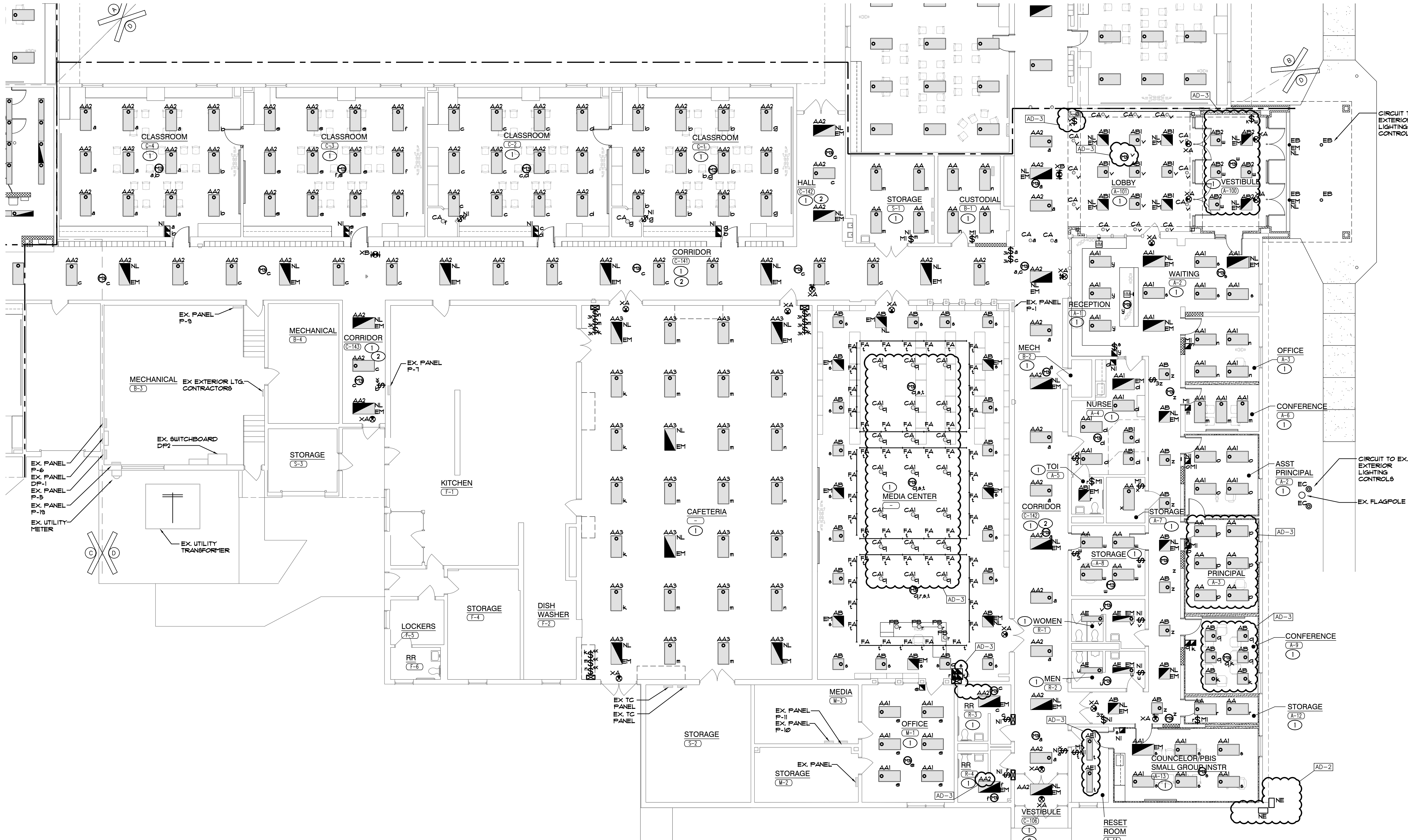
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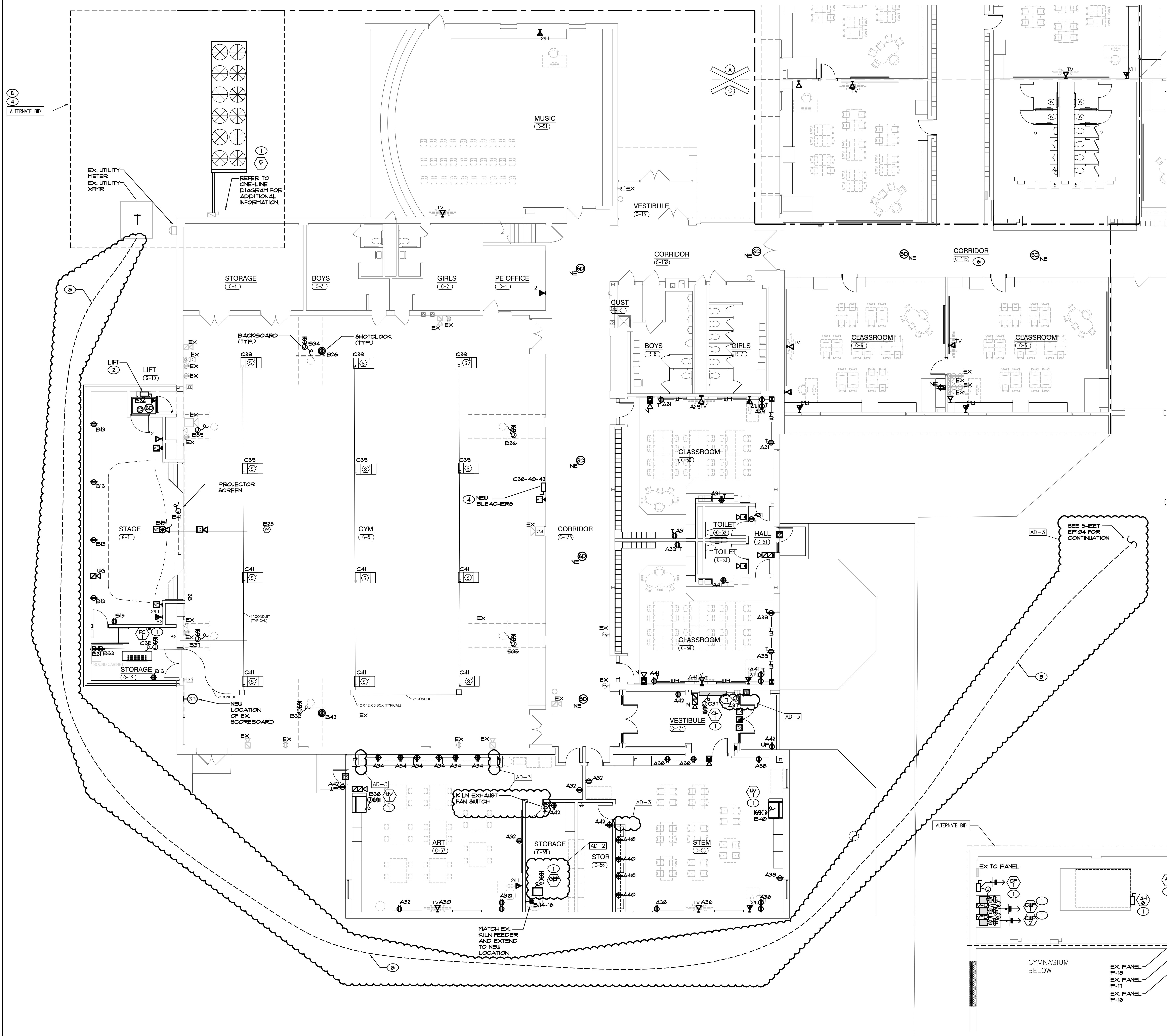
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PROJECT
**LAKE STREET
ELEMENTARY
SCHOOL ADDITION,
RENOVATION AND
RELATED WORK**

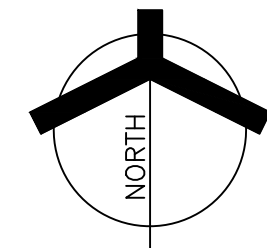
FOR:
**CROWN POINT COMMUNITY
SCHOOL CORPORATION**

CROWN POINT, INDIANA

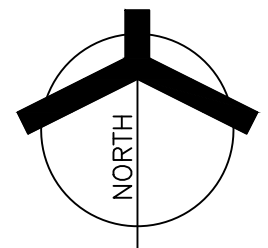




PARTIALELECTRICAL FIRST FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"



ELECTRICAL MEZZANINE POWER PLAN
SCALE: 1/8" = 1'-0"



GENERAL NOTES

1. CIRCUIT ALL DEVICES TO EXISTING PANEL INDICATED ON CIRCUIT PREFIX UNLESS OTHERWISE NOTED. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
2. CIRCUIT ALL DEVICES PREFIXED 'A' TO PANEL 16.
3. CIRCUIT ALL DEVICES PREFIXED 'B' TO PANEL 17.
4. CIRCUIT ALL DEVICES PREFIXED 'C' TO PANEL 18.
5. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAININGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL OF THESE ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 21 CONTRACTOR PRIOR TO ROUGH-IN.
6. CUT AND PATCH EXISTING WALLS AS REQUIRED TO INSTALL NEW DEVICES. REPAIR SURFACES TO MATCH EXISTING OR NEW FINISH.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
3. PROVIDE 30A/1P CIRCUIT BREAKER WITH 2 #12S 11 1/2" GRD. IN EXISTING SPACE OF EXISTING PANEL D1. VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
4. PROVIDE FLEXIBLE RETRACTING CABLE CONNECTION FROM FRONT OF BLEACHER TO JUNCTION BOXES IN WALL. PROVIDE MINIMUM 2" CONDUIT CONNECTION FOR LOW VOLTAGE BOXES. PROVIDE 3/4" FOR POWER. POWER AND LOW VOLTAGE TO BE SEPARATED.
5. BASE BID: EXISTING CHILLER TO REMAIN.
6. ALTERNATE: EXISTING CHILLER TO BE REPLACED. DISCONNECT AND REMOVE EXISTING CHILLER. INSTALL NEW CHILLER DISCONNECT AND CHILLER CONNECTION IN NEW LOCATION AS INDICATED ON PLANS. EXTEND NEW CHILLER FEEDER FROM EXISTING UTILITY TRANSFORMER AND CONNECT.
7. DOOR HARDWARE FURNISHED BY TECHNOLOGY EQUIPMENT INSTALLER AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATIONS WITH TECHNOLOGY EQUIPMENT INSTALLER.
8. REROUTE UTILITY PRIMARY FEEDER TO EXISTING AS SHOWN AROUND FOOTPRINT OF NEW BUILDING ADDITION. COORDINATE ALL REQUIREMENTS WITH UTILITY PRIOR TO FIELD MODIFICATIONS.

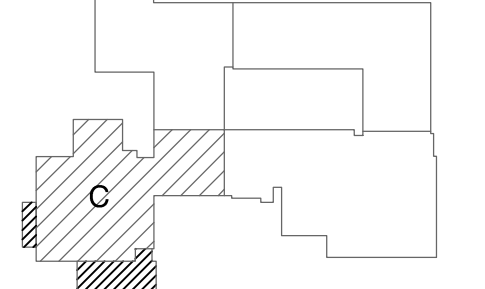


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PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

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PROJECT
21-117
DATE
05/15/23
COORDINATED BY
SM
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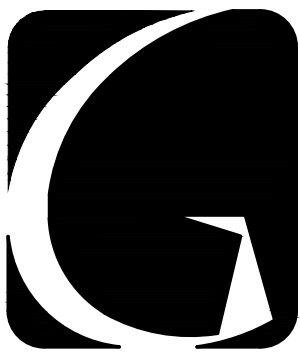
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AD-2	06/02/23	ADDENDUM NO. 02	
AD-3	06/09/23	ADDENDUM NO. 03	

DRAWING
PARTIAL ELECTRICAL FIRST FLOOR POWER PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

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EP103



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PROJECT

LAKE STREET
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FOR:

CROWN POINT COMMUNITY
SCHOOL CORPORATION

CROWN POINT, INDIANA

FIRST FLOOR KEY PLAN

GIBALTAR DESIGN

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PROJECT

21-117

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COORDINATED BY

SM

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DJ

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AD-1	05/26/23	ADDENDUM NO. 01
AD-2	06/02/23	ADDENDUM NO. 02
AD-3	06/09/23	ADDENDUM NO. 03

DRAWING

PARTIAL ELECTRICAL
FIRST FLOOR POWER
PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK

GIBALTAR DESIGN

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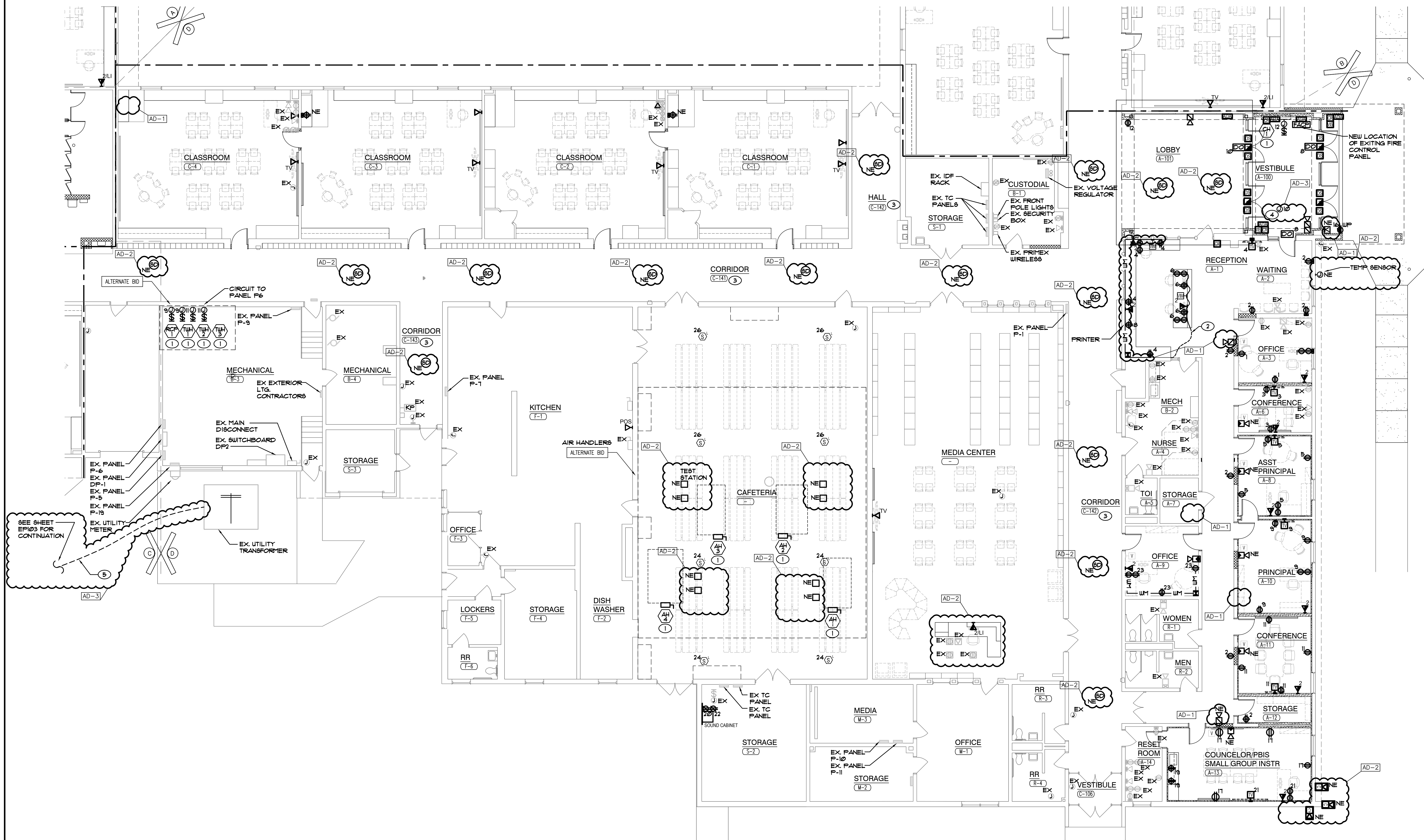
EP104

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. PROVIDE MINIMUM 3/4" FOR POWER AND 1/4" FOR LOW VOLTAGE UNDER FLOOR AND STUBBED UP WITHIN NEW FURNITURE SYSTEM TO NEW POWER AND DATA OUTLET LOCATIONS. POWER AND DATA REQUIREMENTS SHALL BE PROVIDED TO THE CONTRACTOR PRIOR TO CUTTING EXISTING FLOOR SLAB. CONTRACTOR SHALL RADAR SCAN SLAB FOR EXISTING UTILITIES. COORDINATE CONDITIONS AND REQUIREMENTS IN FIELD COMPLETE AS REQUIRED.
3. ALTERNATE NEW ELECTRICAL WORK IN CORRIDORS.
4. DOOR HARDWARE FURNISHED BY TECHNOLOGY EQUIPMENT INSTALLER AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATIONS WITH TECHNOLOGY EQUIPMENT INSTALLER.
5. REROUTE UTILITY PRIMARY FEEDER TO EXISTING AS SHOWN AROUND FOOTPRINT OF NEW BUILDING ADDITION. COORDINATE ALL REQUIREMENTS WITH UTILITY PRIOR TO FIELD MODIFICATIONS.

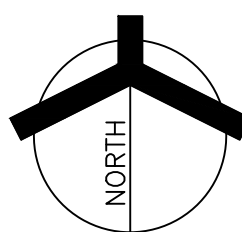
GENERAL NOTES

1. CIRCUIT ALL DEVICES TO EXISTING PANELS F10 AND F11 UNLESS OTHERWISE NOTED. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD UTILIZE EXISTING CIRCUIT BREAKERS MADE AVAILABLE FROM DEMOLITION.
2. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAININGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL OF THESE ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 21 CONTRACTOR PRIOR TO ROUGHING-IN.
3. CUT AND PATCH EXISTING WALLS AS REQUIRED TO INSTALL NEW DEVICES. REPAIR SURFACES TO MATCH EXISTING OR NEW FINISH.



PARTIAL ELECTRICAL FIRST FLOOR POWER PLAN

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



1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
2. PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A CUSTOM MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER AND PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER HOOKS, FEEDS, AND SUSPENSION. PROVIDE HANGING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
3. LED FIXTURES (LESS THAN 10000 LUMENS) SHALL BE PROVIDED WITH FACTORY INSTALLED INTEGRAL EMERGENCY BATTERY UNITS. BATTERY UNITS SHALL PROVIDE A MINIMUM OF 14000 LUMENS.
4. FIXTURES THAT CANNOT BE PROVIDED WITH EMERGENCY BALLASTS OR FIXTURES WITH GREATER THAN 10000 LUMENS SHALL BE PROVIDED WITH EMERGENCY INVERTER (OTHERS N/A SERIES OR APPROVED EQUAL) WITH SUITABLE CAPACITY TO POWER FIXTURE FOR A MINIMUM OF 30 MINUTES PER CODE. VERIFY SIZING AND REQUIREMENTS WITH CONTRACT DOCUMENTS PRIOR TO ORDERING.
5. SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.
6. FIXTURES WITH EMERGENCY BATTERIES SHALL BE PROVIDED WITH CONSTANT HOT SENSING WIRE SO THAT FIXTURE CAN BE SWITCHED ON AND OFF WITHOUT ACTIVATING EMERGENCY BALLAST. UPON LOSS OF POWER, THE FIXTURE SHALL BE ILLUMINATED FOR A MINIMUM OF 30 MINUTES REGARDLESS OF THE LIGHT SWITCH POSITION. PROVIDE TEST SWITCH AND CHARGING INDICATOR FOR EMERGENCY BATTERY AS SPECIFIED.
7. ALL INTEGRAL EMERGENCY BATTERIES USED IN EXTERIOR APPLICATIONS SHALL HAVE A MINIMUM STARTING TEMPERATURE OF -20 DEGREES F UNLESS OTHERWISE SPECIFIED.
8. CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER. PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH FINAL ARCHITECTURAL. REFLECTED CEILING PLAN.
9. COMPLETE PHOTOMETRICS OF THE INTERIOR AND EXTERIOR LIGHTING SHALL BE SUBMITTED ALONG WITH THE LIGHTING SHOP DRAWINGS FOR REVIEW FOR FINISHED SPACES, 80/80/80 REFLECTANCES SHALL BE UTILIZED. FOR UNFINISHED SPACES 50/50/50 REFLECTANCE SHALL BE UTILIZED. THE LLD VALUE THAT SHALL BE UTILIZED FOR LED IS 81. EXTERIOR CALCULATIONS SHALL ACCOUNT FOR HOUSE SIDE SHIELDING AND SHALL CONFORM TO LOCAL REQUIREMENTS.
10. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
11. VERIFY VOLTAGES OF EXISTING LIGHTING CIRCUITRY PRIOR TO ORDERING FIXTURES.
12. FOR FIXTURES INSTALLED IN CASEWORK, VERIFY FIXTURE FIT WITH CASEWORK SHOP DRAWINGS PRIOR TO ORDERING.
13. PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
14. COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
15. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DEADLINE LEAD TIME SHALL BE 10 WEEKS. IF THE PRODUCT IS NOT AVAILABLE, PROVIDE A LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, TO DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
16. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT OR ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
17. LIGHT FIXTURE TRANSFORMERS SHALL BE INTEGRAL STEP DOWN TRANSFORMERS PER NEC 240.6. IF AN INTEGRAL STEP DOWN TRANSFORMER IS NOT AVAILABLE, PROVIDE A 120V CONNECTION FOR LIGHT FIXTURES AND ADDITIONAL CONTROL DEVICES AS REQUIRED TO PROPERLY CONTROL FIXTURES ALONG WITH OTHER 277VOLT LIGHTING IN ROOM. VERIFY CONDITIONS AND REQUIREMENTS, COMPLETE AS REQUIRED.
18. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
19. APPROVED EQUALS WILL BE CONSIDERED FROM THE FOLLOWING VENDORS: K&A LIGHTING (630.937.1655), FORCE CHICAGO (312.986.1515), PG ENLIGHTEN (847.228.1195) OR ARCHIBALD AND NEEB (630.833.1371).
20. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
EA		EXTERIOR LED WALL MOUNTED LIGHT FIXTURE	LITHONIA WET-P2-50K-V-120-XX OR APPROVED EQUAL HUBBELL TRP SERIES MCGRAW HILL SERIES	120 VOLT	LED 50000K MIN 3000LM MAX 30W	WALL MTD AS NOTED	-VERIFY FINISH WITH ARCHITECT.
EB		LED 8' DOWNLIGHT WITH TRIM FINISH TO BE SELECTED BY ARCHITECT	INDY HLR78-28LM-50K-MVOLT-G4-80CRI-ZT-F-C89- WET H40CB50LM0 SERIES SPECTRUM 18GCELED05 SERIES	MYVOLT	LED 50000K MAX 28W MIN 2800LM	RECESSED CANOPY MOUNTED	-VERIFY TRIM FINISH WITH ARCHITECT -IC RATED
EC		LED IN-GRADE 8ITE FIXTURE FOR FLAGPOLE WITH FINISH TO BE SELECTED BY ARCHITECT	HYDREL H9120C-X-LED-P2-50K-MVOLT- 18W-X-X-X-X-X-LED11-X OR APPROVED EQUAL	MYVOLT	LED 50000K MIN 4220LM MAX 35W	RECESSED IN-GRADE	-VERIFY TRIM FINISH WITH ARCHITECT -SETBACK FIXTURE 1/8 OF POLE HEIGHT @18

GROUND FIXTURE & POLE TO GROUND CONDUCTOR

GROUT IN BOLT COVER W/ UEEP HOLE AS PER MANUF. SPEC'S

PROVIDE 24" FROM CURB TO & OF POLE - TYPICAL

FINISHED GRADE

CURB

FINISH ALL EXPOSED EDGES W/ 1" BEVEL - BRUSH COAT EXPOSED CONCRETE FOR SMOOTH FINISH - 18" MIN. W/ 3" MIN. COVER ON ANCHOR BOLTS

ANCHOR BOLTS - TEMPLATE - 8HIMS ETC. FURNISHED W/ POLE

CONDUIT TO ADJACENT POLE OR HOMERUN

REBAR CAGE 4#4 W/ 3" TIES AT 12" O.C.

POUR CONCRETE TO BE SET ON UNDISTURBED EARTH AND COMPACT BACKFILL. AT CONTRACTOR'S OPTION, POWERED AUGER/SONA TUBE ARRANGEMENT MAY BE USED. EXTEND BASE UNDER THIS ARRANGEMENT AN ADDITIONAL 18" DOWN. SET POLE BASE TRUE AND PLUMB.

NOTE: PROVIDE DEDICATED GROUND ROD FOR EACH POLE PER NEC STANDARDS

Dimensions: 1", 23", 24", 60", 30"

BURY AND MARK 1/2" METAL SPIKE W/ 1/2" DIAMETER HEAD AT LOCATION OR END CAPS IN GRASS AREA FOR FUTURE EXTENSION BY UTILITY CO. INSTALL AND MARK SPIKES FLUSH W/ GRADE SUCH THAT NO TRIPPING HAZARD EXISTS.

NEW GREEN AREA/CONCRETE

NEW GRADE (GRASS OR CONCRETE)

COMPACT FILL EVEN WITH BOTTOM OF CONCRETE

WARNING TAPE STATING "CAUTION BURIED ELECTRICAL LINES" - RUN CONTINUOUSLY THROUGHOUT TRENCH.

RENDER REMOVED SOIL ROCK FREE, BACK FILL AND COMPACT IN 8" LAYERS

ROUTE CONDUIT AS INDICATED ON SITE UTILITY PLAN. VERIFY CONDITIONS, REQUIREMENTS AND ROUTING IN FIELD.

PROVIDE END CAP AT LOCATIONS INDICATED ON PLANS FOR FUTURE EXTENSION

LEGEND:

-- -- INDICATES CONDUIT Routed MINIMUM 3/8" BELOW GRADE AND LISTED FOR DIRECT BURIAL WITH NYLON FILL WIRE. COORDINATE CONDUIT TYPE WITH SPECIFICATIONS. REGARDLESS OF THE SPECIFIED CONDUIT, ALL CONDUIT BENDS SHALL BE GALVANIZED RIGID STEEL CONDUIT WITH NO LESS THAN 36" BENDING RADIUS.

[PROPERLY TERMINATE, CAP AND SPIKE WITH 1/2" METAL SPIKE W/ 1/2" DIAMETER FOR FUTURE EXTENSION.

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		2" X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT4-40L-ADP-GZI-LF840 COLUMBIA 4CAT24 SERIES METALUX 4C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32W MIN 4000LM	RECESSED LAY-IN	-
AAI		2" X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT4-48L-ADP-GZI-LF840 COLUMBIA 4CAT24 SERIES METALUX 4C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 38W MIN 4800LM	RECESSED LAY-IN	-
AA2		2" X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT4-60L-ADP-GZI-LF840 COLUMBIA 4CAT24 SERIES METALUX 4C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48W MIN 6000LM	RECESSED LAY-IN	-
AA3		2" X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT4-72L-ADP-GZI-LF840 COLUMBIA 4CAT24 SERIES METALUX 4C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 60W MIN 7200LM	RECESSED LAY-IN	-
AB		2" X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT2-48L-ADP-GZI-LF840 COLUMBIA 4CAT22 SERIES METALUX 2C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32W MIN 4000LM	RECESSED LAY-IN	-
ABI		2" X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT2-48L-ADP-GZI-LF840 COLUMBIA 4CAT22 SERIES METALUX 2C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48W MIN 4800LM	RECESSED LAY-IN	-
AB2		2" X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT2-33L-ADP-GZI-LF840 COLUMBIA 4CAT22 SERIES METALUX 2C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 27W MIN 3300LM	RECESSED LAY-IN	-
AC		2" X 4' LED LENSED KITCHEN TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA 2GTL4-98L-RW-ABIN-MVOLT-GZI-LF840-ABC COLUMBIA 4J174 SERIES METALUX 4R LR LENS SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 65W MIN 9800LM	RECESSED LAY-IN	-INVERTED LENS AND TRIPLE GASKETING
AE		1" X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 1BLT4-40L-ADP-GZI-LF840 COLUMBIA 4CAT24 SERIES METALUX 4C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 33W MIN 4000LM	RECESSED LAY-IN	-
AEI		1" X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 1BLT4-48L-ADP-GZI-LF840 COLUMBIA 4CAT24 SERIES METALUX 4C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 40W MIN 4800LM	RECESSED LAY-IN	-
AE2		1" X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA 1BLT4-30L-ADP-GZI-LF840 COLUMBIA 4CAT24 SERIES METALUX 4C2C22 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 23W MIN 3000LM	RECESSED LAY-IN	-
CA		6" DIAMETER LED DOWNLIGHT WITH 80°-REGULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, 4 WHITE FLANGE	LITHONIA 1LD6-40-10-L06-AR-L85-MVOLT-G210-XX PRESCOLITE 1LTR SERIES PORTFOLIO 1LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 11W MIN 1000LM	RECESSED LAY-IN GYPSUM	-VERIFY TRIM FINISH WITH ARCHITECT
CAI		6" DIAMETER LED DOWNLIGHT WITH 80°-REGULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, 4 WHITE FLANGE	LITHONIA 1LD6-40-15-L06-AR-L85-MVOLT-G210-XX PRESCOLITE 1LTR SERIES PORTFOLIO 1LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 18W MIN 1500LM	RECESSED LAY-IN GYPSUM	-VERIFY TRIM FINISH WITH ARCHITECT
FA		4" LED STRIP FIXTURE	LITHONIA 4CS8-L48-AL03-MVOLT-40K-80CRI OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 4000K MAX 28W MIN 3200LM	SURFACE MTD.	-
HA		LED HIGH ABUSE GYMNASIUM FIXTURE	KENALL 414SED1-24-180L-DIM1-120-2F-2H-6-XX OR APPROVED EQUAL	120 VOLT 0-10V DIM	LED 4000K MAX 182W 24,000LM	RECESSED LAY-IN	-
FA		4' LED INDUSTRIAL FIXTURE WITH UREGUARD AND SAFETY CHAINS	LITHONIA 4CLX-L48-1000LM-8EF-FDL-MVOLT-G210-40K-80CRI-XX-XX METALUX 4L80 LENS SERIES COLUMBIA 4M9 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 49W MIN 1000LM	Y CHAIN SUSPEND	-COORD LOCATIONS WITH DUCTWORK & PIPING
FC		SUSPENDED LED CYLINDER PENDANT	VESA KP3642-L48-II-MVOLT-XX-XX OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 4000K MAX 16W MIN 1700LM	SUSPENDED VERIFY W/ ARCHITECT	-VERIFY FINISH WITH ARCHITECT
TA		TRACK LIGHT FIXTURE WITH LED PAR30 DIMMABLE HEAD, TWO CIRCUIT TWO NEUTRAL TRACK WITH BARN DOORS	CON-TECH 4CTLB030-B-FA-30-BD30 PROVIDE WITH NTEK-X-B TRACK JUNO TRACK OR APPROVED EQUAL	120 VOLT	ONE (1) LED 18W EQUIV PAR 30 PER HEAD	36" STEM MOUNTED TO UNISTRUT	-PROVIDE ALL MOUNTING ACCESSORIES -VERIFY FINISH WITH ARCHITECT.
XA		SINGLE FACE EXIT, AC ONLY	DUAL-LITE 9E-S-R-X LITHONIA 1LE-S-X-1-R-X SURE-LITES 4C-X SERIES	120/277 VOLT	LED MAX 3W	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XB		DUAL FACE EXIT AC ONLY	DUAL-LITE 9E-D-R-X LITHONIA 1LE-S-X-2-R-X SURE-LITES 4C-X SERIES	120/277 VOLT	LED MAX 3W	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XC		BATTERY EMERGENCY LIGHT WITH 4 HOUR CAPACITY	LITHONIA 4NDL-89640L-UVOLT-LTP-BDRT-40 OR APPROVED EQUAL	MVOLT	LED MAX 3W PER HEAD	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -4 HOUR RATED
EM		FIXTURE ON EMERGENCY CIRCUIT WITH 90 MINUTE, 1400 LUMEN OUTPUT BATTERY UNIT OR INVERTER	BODINE FACTORY INSTALLED DRIVER OR MYERS LV SERIES INVERTER	120/277 VOLT	-	IN FIXTURE	

E-502

MECHANICAL EQUIPMENT CONNECTION SCHEDULE													
TAG	DESCRIPTION	LOAD					MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH C/B	REMARKS
		WATTS	HP	MCA	FLA	AMPS							
C-1	GRADE MOUNTED AIR COOLED CHILLER	45138	-	544	-	-	100	480	3	SEE ONE-LINE	SEE ONE-LINE	100A/3P	(2 SETS) 4 #000 4 1/4" GRD
AH-1	AIR HANDLER	10016	-	28	-	-	50	208	3	EX. P-18	35-37-38	50A/3P	4 # 4 1/2" GRD
AH-2	AIR HANDLER	12114	-	35.5	-	-	60	208	3	EX. P-18	30-32-34	60A/3P	4 # 4 1/2" GRD
AH-3	AIR HANDLER	12114	-	35.5	-	-	60	208	3	EX. P-18	42-44-46	60A/3P	4 # 4 1/2" GRD
AH-4	AIR HANDLER	13012	-	53	-	-	90	208	3	EX. P-18	36-38-40	90A/3P	4 # 4 1/2" GRD
AH-5	AIR HANDLER	13012	-	53	-	-	90	208	3	EX. P-11	1-3-5	90A/3P	4 # 4 1/2" GRD
AH-6	AIR HANDLER	26038	-	14.75	-	-	125	208	3	EX. P-11	2-4-6	125A/3P	4 # 4 1/2" GRD
UV-1	VERTICAL UNIT VENTILATOR - 4 PIPE HU HEATING/CHW COOLING	1560	-	13	-	-	20	120	1	VARIABLE	VARIABLE	20A/1P	2 # 2 1/2" GRD
FC-1	HORIZONTAL DUCTED FAN COIL - HU HEATING / CHW COOLING	1116	-	9.3	-	-	15	120	1	EX. P-18	35	20A/1P	2 # 2 1/2" GRD
FC-2	HORIZONTAL DUCTED FAN COIL - HU HEATING / CHW COOLING	528	-	3.88	-	-	15	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
FC-3	HORIZONTAL DUCTED FAN COIL - HU HEATING / CHW COOLING	1656	-	3.88	-	-	15	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-1	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX. P-11	18	20A/1P	2 # 2 1/2" GRD
TEF-2	ROOF MOUNTED TOILET EXHAUST FAN	1656	3/4	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-3	ROOF MOUNTED TOILET EXHAUST FAN	1656	3/4	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-4	ROOF MOUNTED TOILET EXHAUST FAN	1656	3/4	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-5	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-6	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-7	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-8	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-9	ROOF MOUNTED TOILET EXHAUST FAN	1656	3/4	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-10	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
TEF-11	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
GEF-1	CEILING MOUNTED GENERAL EXHAUST FAN (STORAGE C-126)	636	1/2	-	-	-	-	120	1	EX. P-11	21	20A/1P	2 # 2 1/2" GRD
CH-1	RECESSED HU CABINET HEATER	165	-	-	-	-	15	120	1	VARIABLE	VARIABLE	VARIABLE	2 # 2 1/2" GRD
CUP-1	CHILLED WATER RECIRCULATION PUMP	8108	1 1/2	-	-	-	-	208	3	EX. P-18	32-34-36	50A/3P	4 # 4 1/2" GRD
CUP-2	CHILLED WATER DISTRIBUTION PUMP	11083	10	-	-	-	-	208	3	EX. P-11	7-9-11	60A/3P	4 # 4 1/2" GRD
TWH-1	TANKLESS WATER HEATER	480	-	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD
RCP-1	RECIRCULATION PUMP	200	-	-	-	-	-	120	1	EX. PANEL	EX. CKT	20A/1P	2 # 2 1/2" GRD

AD-2

AD-2

AD-3

EX. PANEL 17														
TOTAL KW: 95.1			ENCLOSURE: NEMA-1			PHASE: 3P			VOLTAGE: 120 / 208					
MOUNTING: SURFACE			BUSING: COPPER			FAULT CURRENT RATING: 22,000 AIC (MVA/AMPS): 225								
FEEDER: SEE ONE-LINE			LOCATION: MEZZANINE											
C/B			LOAD			LOAD			C/B					
LOAD DESCRIPTION	TRIP	POLE	A#	B#	C#	CCT. NO.	A#	B#	C#	TRIP	POLE	LOAD DESCRIPTION		
AH-5	30		6351			1	2	8366				AH-6		
			6351			3	4							
				6351		5	6	8366						
CUP-1	60		3634			1	8	3634			60		CUP-2	
				3634		9	10							
	3				3634	11	12				3			
REC - G-II	20	1	1200			13	14	3500			50	2	KILN - RM C-58	
M-PHONE - G-II	20	1		600		15	16							
M-PHONE - G-II	20	1			600	17	18			50	2	TEF-1		
EXISTING LOAD	20	1				19	20			20	1	EXISTING LOAD		
EXISTING LOAD	15	1				21	22			20	1	EXISTING LOAD		
PROJECTOR - G-5	20	1			1200	23	24			20	1	EXISTING LOAD		
EXISTING LOAD	20	1				25	26	1200			30	1	LIFT G-10	
GEF-1	20	1			636	27	28			20	1	EXISTING LOAD		
REC - SOUND CAB	20	1			600	29	30			20	1	EXISTING LOAD		
REC - SOUND CAB	20	1	600			31	32			20	1	EXISTING LOAD		
BACK BOARD - GB	20	1		1200		33	34	1200			20	1	BACK BOARD - GB	
BACK BOARD - GB	20	1			1200	35	36		1200		20	1	BACK BOARD - GB	
BACK BOARD - GB	20	1	1200			37	38	1560			20	1	UV-1 - RM C-51	
BACK BOARD - GB	20	1		1200		39	40		1560		20	1	UV-1 - RM C-55	
FROJ SCRN - GB	20	1			1200	41	42		1200		20	1	SHOT CLOCKS - GB	
			13051	13141	14851			18320	18320	15588				
NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION														
TOTAL= 95.011														

EX. PANEL 16														
TOTAL KW: 10.5		ENCLOSURE: NEMA-1				PHASE: 3P				VOLTAGE: 120 / 208				
MOUNTING: SURFACE		BUSING: COPPER				FAULT CURRENT RATING: 22,000				AIC (MVA/AMP): 225				
FEEDER: SEE ONE-LINE		LOCATION: MEZZANINE												
LOAD DESCRIPTION	TRIP	C/B		LOAD			CCT. NO.	LOAD			C/B		LOAD DESCRIPTION	
		POLE		A#	B#	C#		A#	B#	C#	TRIP	POLE		
SPACE	20	1					1	2				20	1	EXISTING LOAD
EXISTING LOAD	20	1					3	4				20	1	EXISTING LOAD
EXISTING LOAD	20	1					5	6				20	1	EXISTING LOAD
EXISTING LOAD	20	1					7	8				20	1	EXISTING LOAD
EXISTING LOAD	20	1					9	10				20	1	EXISTING LOAD
EXISTING LOAD	20	1					11	12				20	1	EXISTING LOAD
EXISTING LOAD	20	1					13	14				20	1	EXISTING LOAD
EXISTING LOAD	20	1					15	16				20	1	EXISTING LOAD
EXISTING LOAD	20	1					17	18				20	1	EXISTING LOAD
EXISTING LOAD	20	1					19	20				20	1	EXISTING LOAD
EXISTING LOAD	20	1					21	22				20	1	EXISTING LOAD
EXISTING LOAD	20	1					23	24				20	1	SPACE
EXISTING LOAD	20	1					25	26				20	1	EXISTING LOAD
EXISTING LOAD	20	1					27	28				20	1	EXISTING LOAD
TV/REC - RM C-58	20	1				900	29	30			900	20	1	TV/REC - RM C-51
REC - RM C-58	20	1	1000				31	32	800			20	1	REC - RM C-51
EXISTING LOAD	20	1					33	34				20	1	REC - RM C-51
EXISTING LOAD	20	1					35	36			900	20	1	TV/REC - RM C-55
ACCESS CONTROL	20	1		500			37	38	800			20	1	REC - RM C-55
REC - RM C-54	20	1			1000		39	40		800		20	1	REC - RM C-55
TV/REC - RM C-54	20	1				900	41	42			1000	20	1	REC - RM C-56/58
			1500	1000	1800				1600	1800	2800			
NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION														
TOTAL: 105.00														
A= 3100 B= 2800 C= 4600														

EX. PANEL 18													
TOTAL KW: 18.9		ENCLOSURE: NEMA-1				PHASE: 3P		VOLTAGE: 120 / 208					
MOUNTING: SURFACE		BUSING: COPPER				FAULT CURRENT RATING: 22,000		AIC		[MVA/AMP]: 225			
FEEDER: SEE ONE-LINE						LOCATION: MEZZANINE							
LOAD DESCRIPTION	TRIP	POLE	LOAD			CCT. NO.	LOAD			C/B	TRIP	POLE	LOAD DESCRIPTION
			A#	B#	C#		A#	B#	C#				
EXISTING LOAD						1	2						
EXISTING LOAD						3	4						
EXISTING LOAD						5	6						EXISTING LOAD
EXISTING LOAD						7	8			20	1	EXISTING LOAD	
EXISTING LOAD						9	10			20	1	EXISTING LOAD	
EXISTING LOAD						11	12			20	1	EXISTING LOAD	
EXISTING LOAD						13	14						
EXISTING LOAD						15	16						
EXISTING LOAD						17	18			20	1	EXISTING LOAD	
LTG - TRK LTG G-5	20	1	900			19	20			20	1	EXISTING LOAD	
LTG - TRK LTG G-11	20	1		900		21	22			20	1	EXISTING LOAD	
LTG - TRK LTG G-11	20	1			900	23	24			20	1	EXISTING LOAD	
LTG - STAGE	20	1	474			25	26			20	1	EXISTING LOAD	
EXISTING LOAD						27	28			20	1	EXISTING LOAD	
EXISTING LOAD						29	30			20	1	EXISTING LOAD	
LTG - RY C-51/50	20	1	960			31	32	2902		50			
LTG - RY C-35/56	20	1		864		33	34		7902				CP-1 - MEZZ
CP-1 - RY C-2	20	1			1446	35	36			2902	3		
CH-1 - RY C-3	20	1	160			37	38	500					
GYM SPEAKERS	20	1		1200		39	40		500				BLEACHERS
GYM SPEAKERS	20	1			1200	41	42			500	3		
			2502	2964	3246				3402	3402	3402		
A= 5904 B= 6366 C= 6648 TOTAL= 18.9B													
NOTE: REFER TO GENERAL NOTE 'B' FOR ADDITIONAL INFORMATION													



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PROJECT

LAKE STREET
ELEMENTARY
SCHOOL ADDITION,
RENOVATION AND
RELATED WORK

FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION

CROWN POINT, INDIANA

GIBRALTAR DESIGN

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PROJECT	
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21-117

DATE _____

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BOOKS

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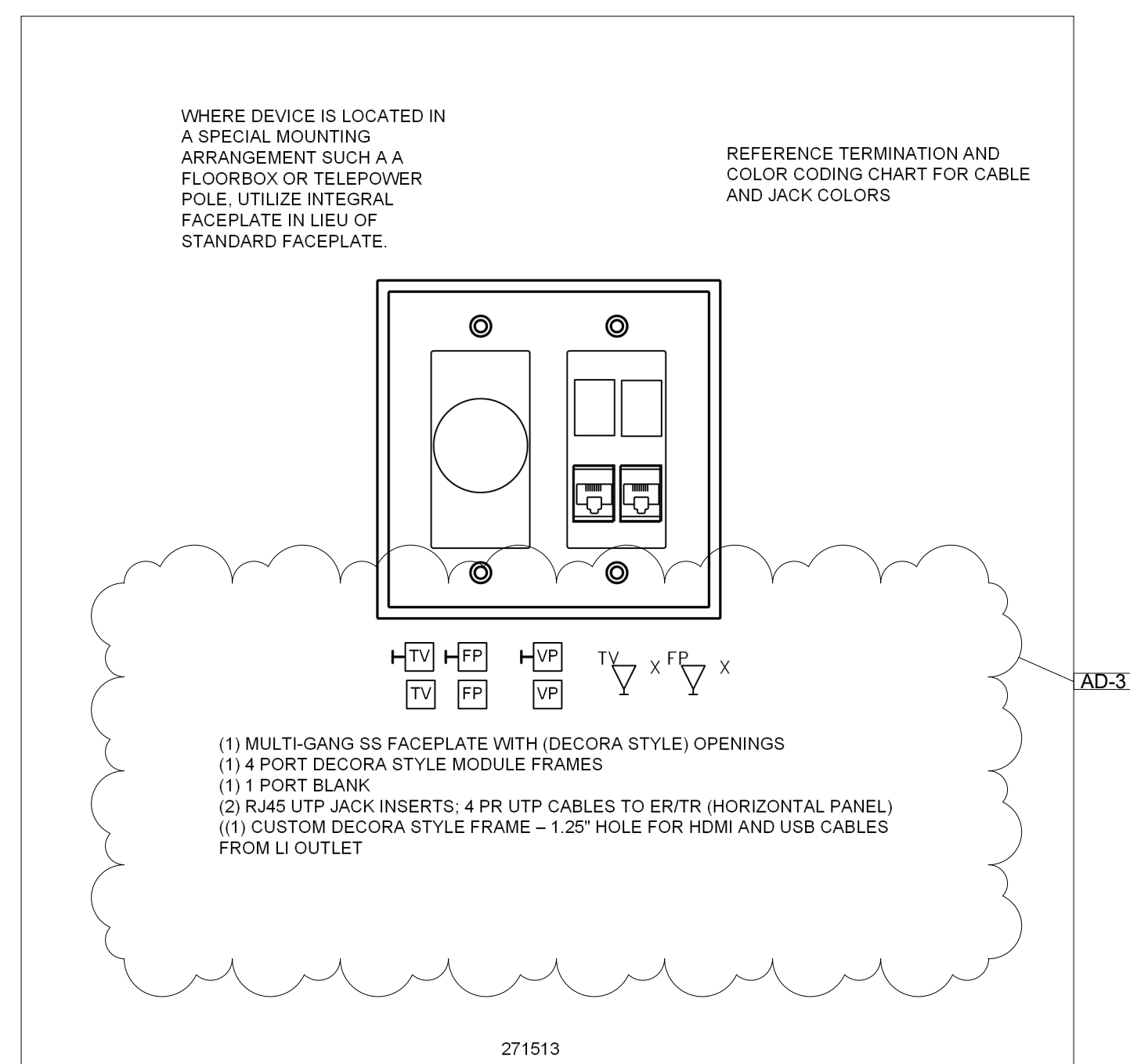
OUTLET DETAILS

PROJECT

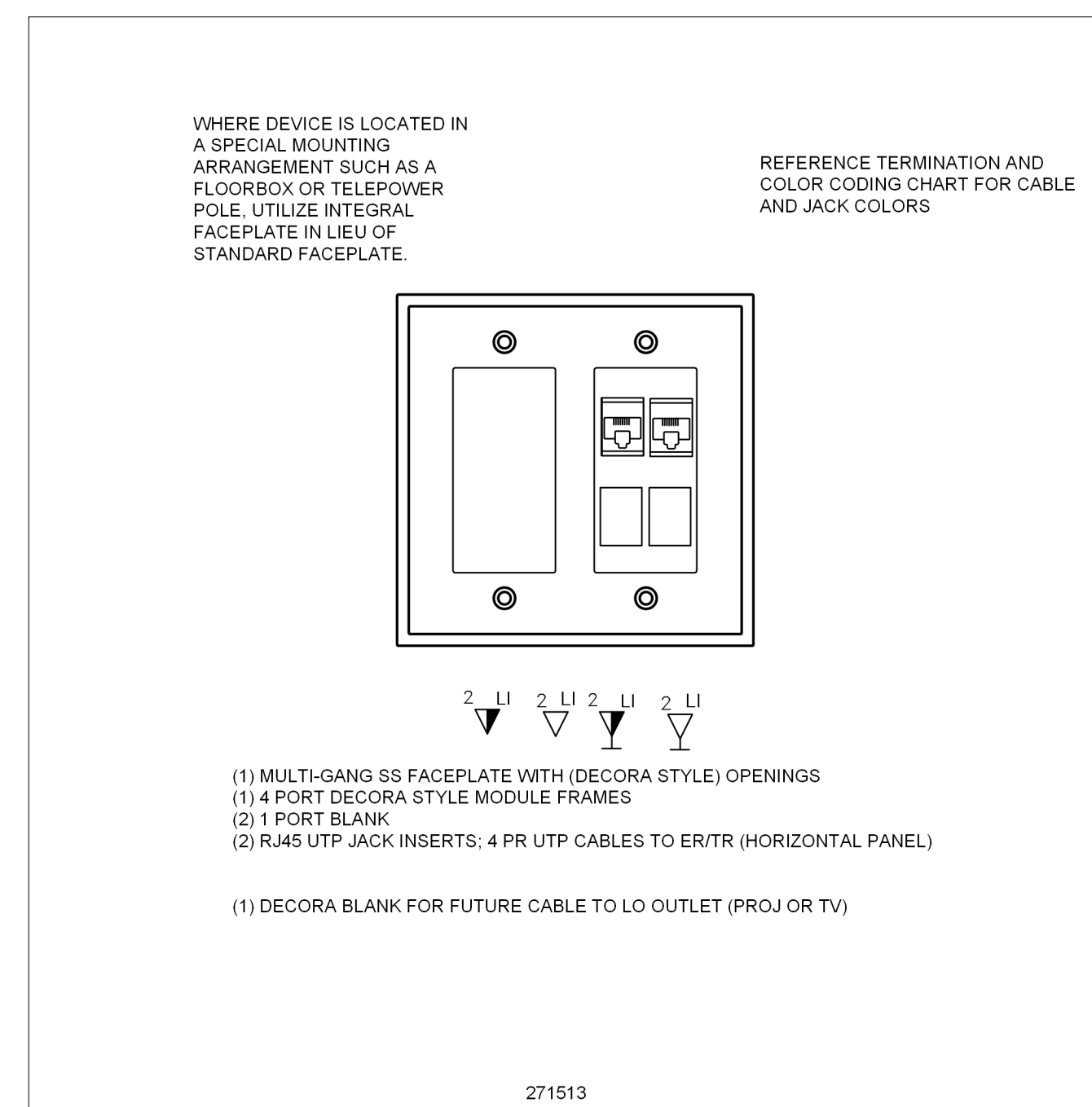
LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK

SHEET

T-502



② TV OR PROJECTOR LOCAL OUTPUT
NTS



① TV OR PROJECTOR LOCAL INPUT
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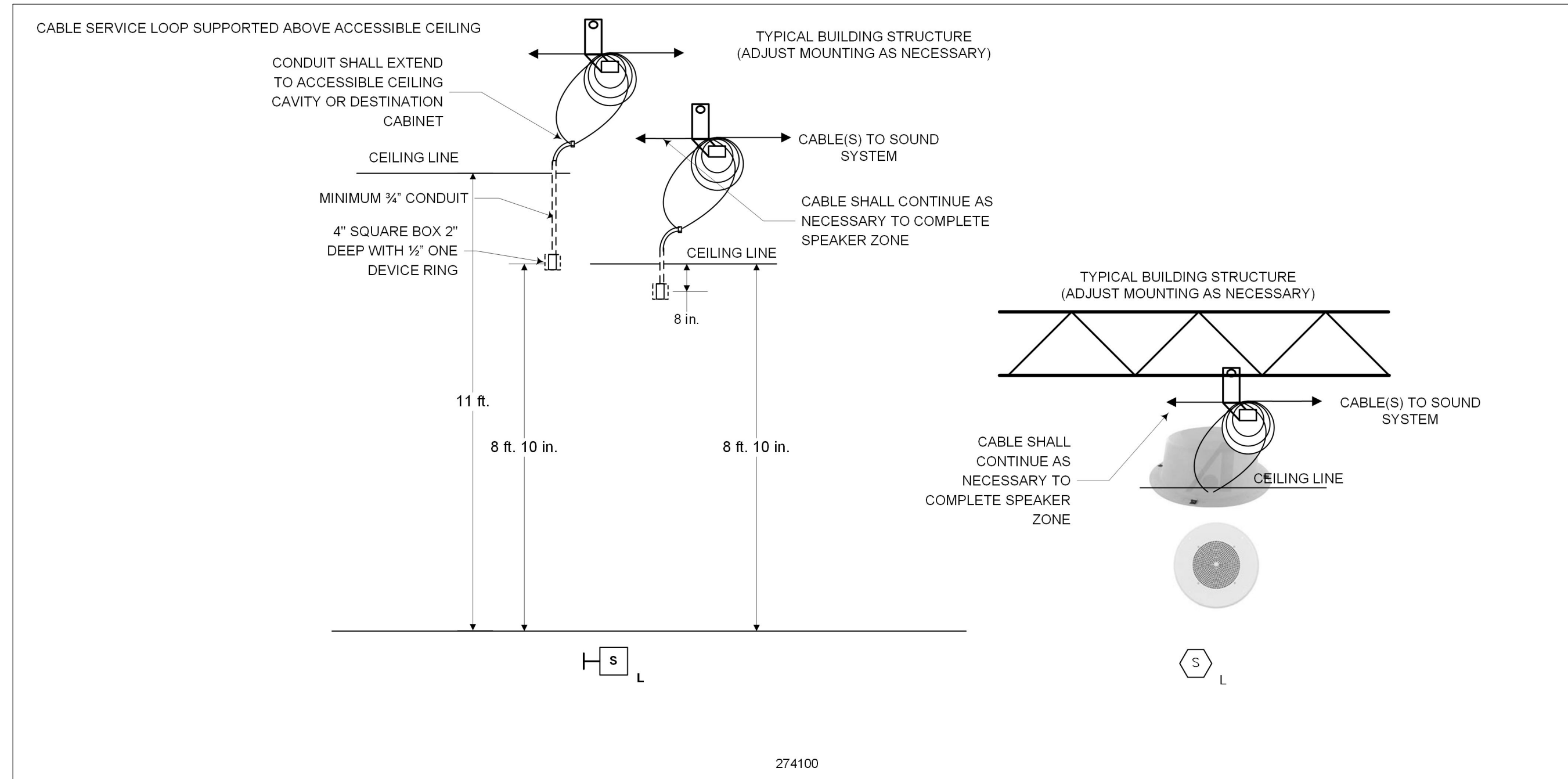
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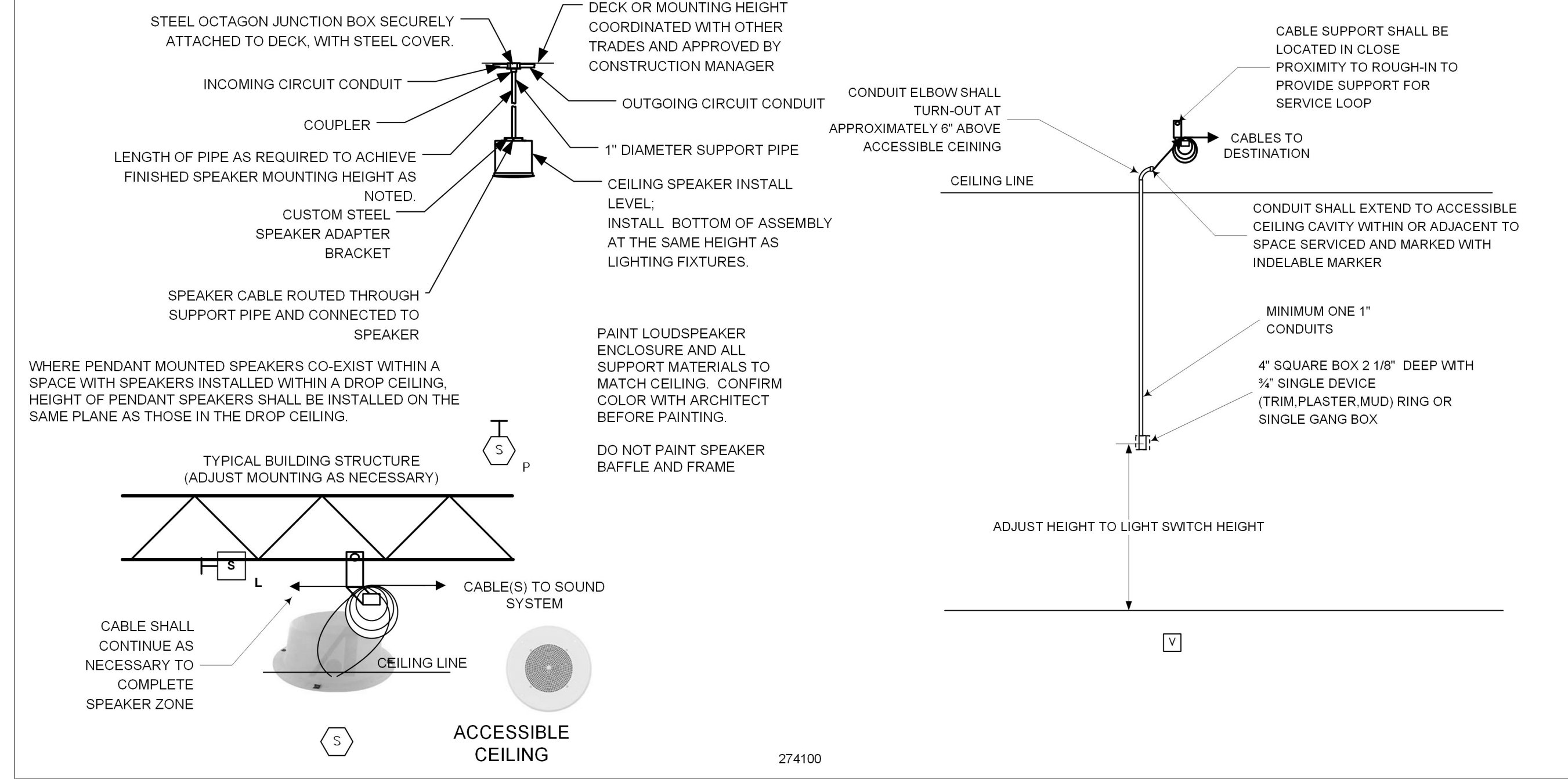
**LAKE STREET
ELEMENTARY
SCHOOL ADDITION,
RENOVATION AND
RELATED WORK**

FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION

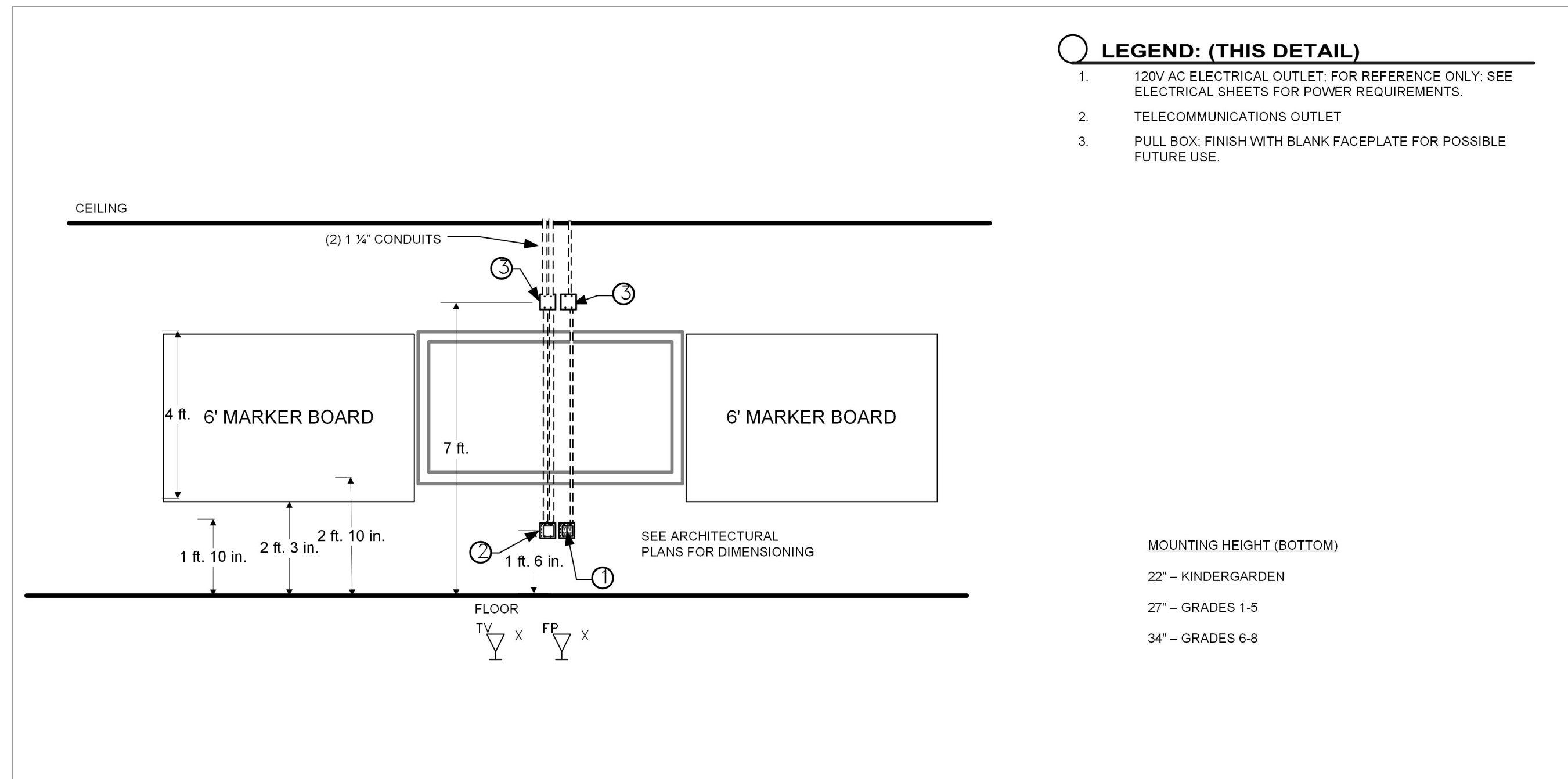
CROWN POINT, INDIANA



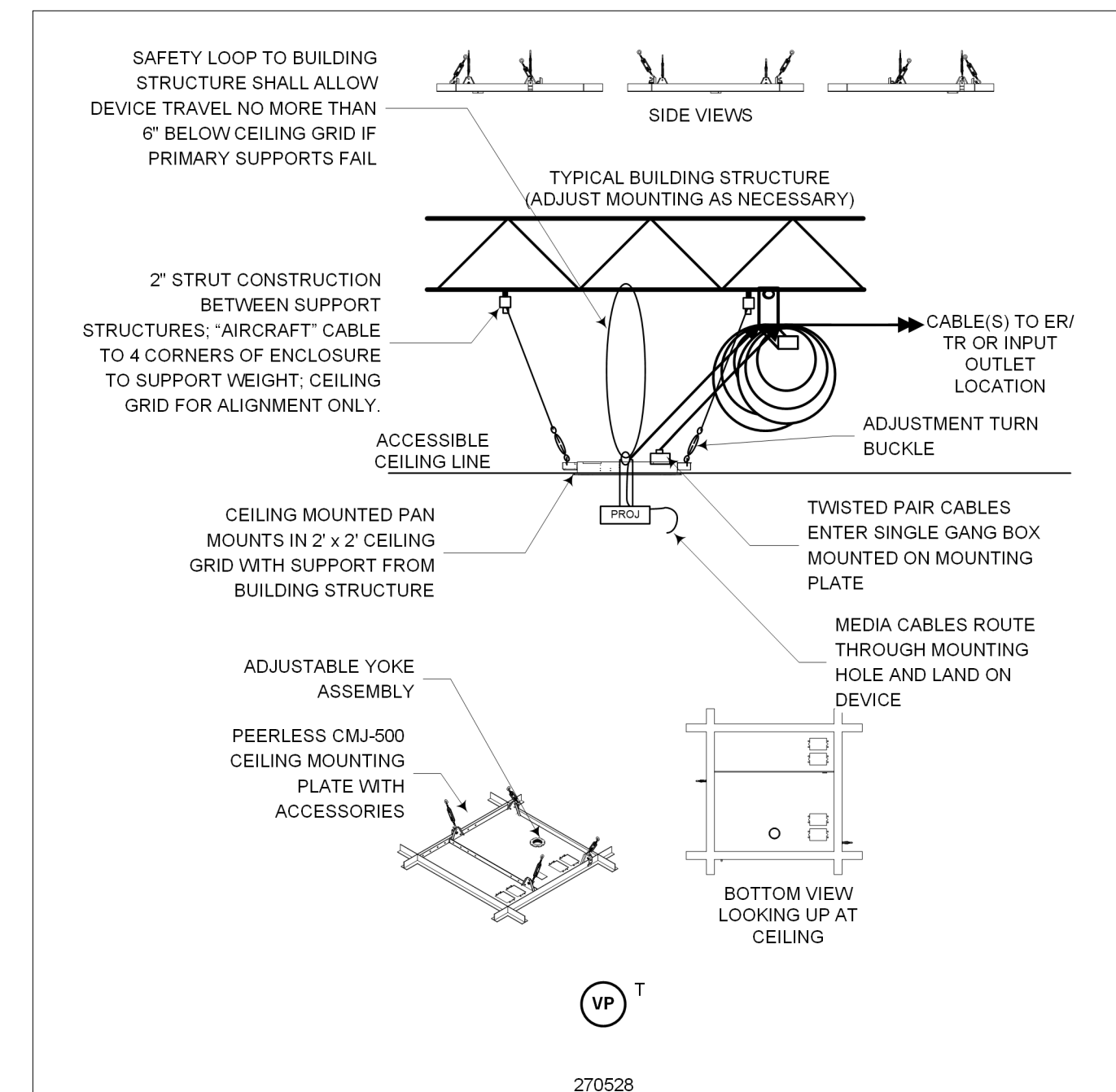
8 SOUND SYSTEM SPEAKER MOUNTING
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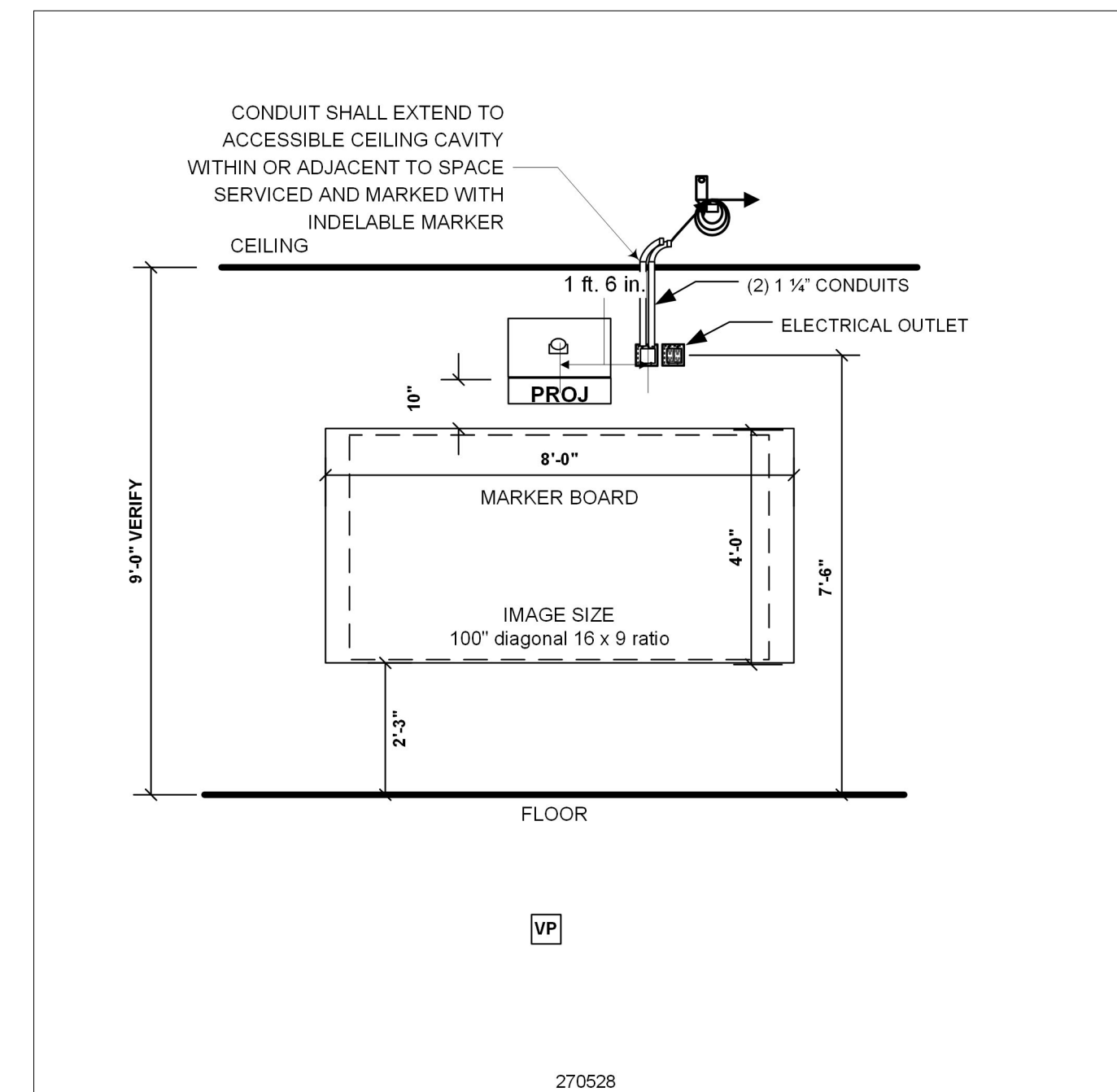
7 PAGING SPEAKER MOUNTING
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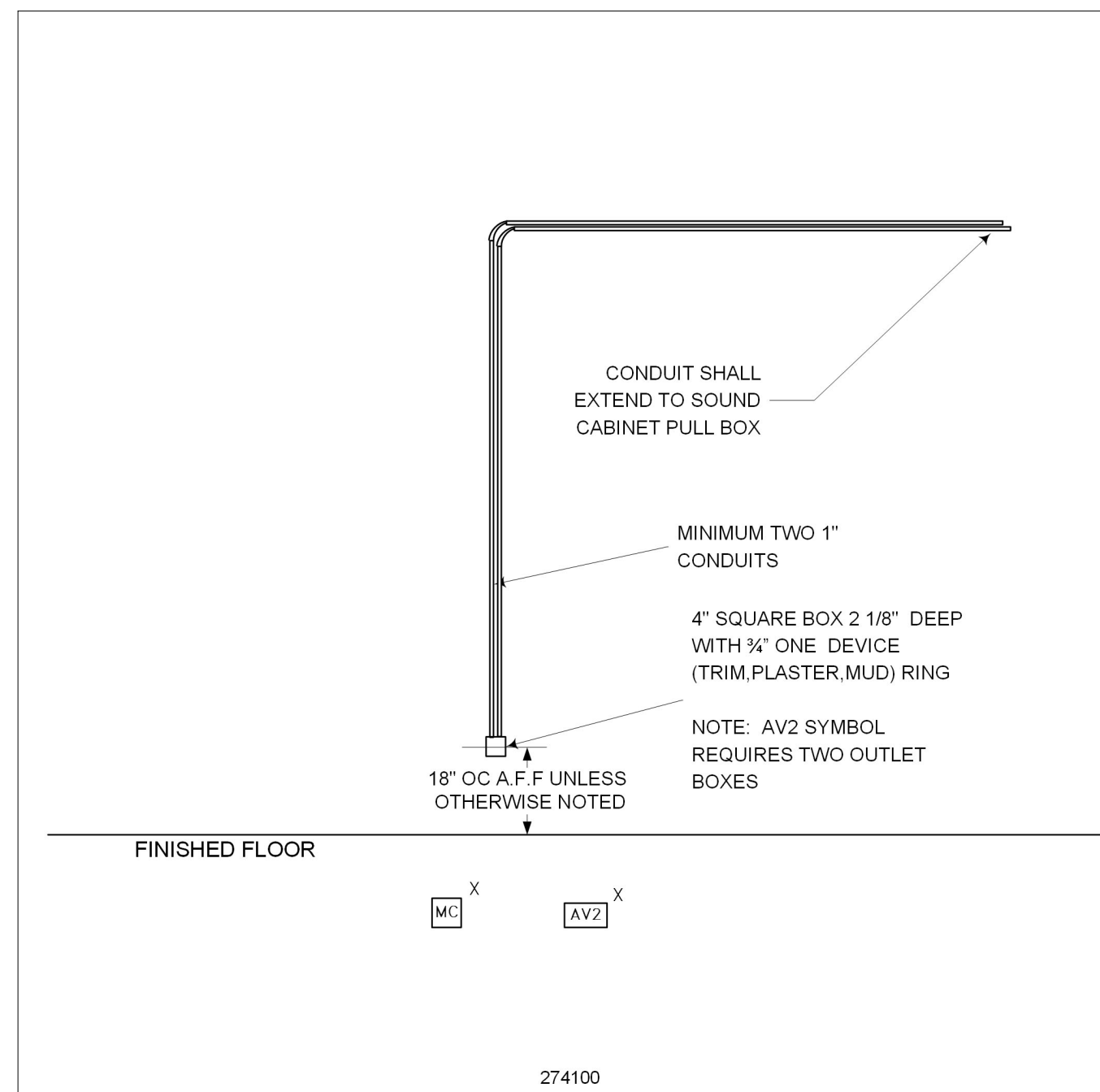
6 TELEVISION MOUNTING AND ROUGH-IN
CLASSROOMS
NTS



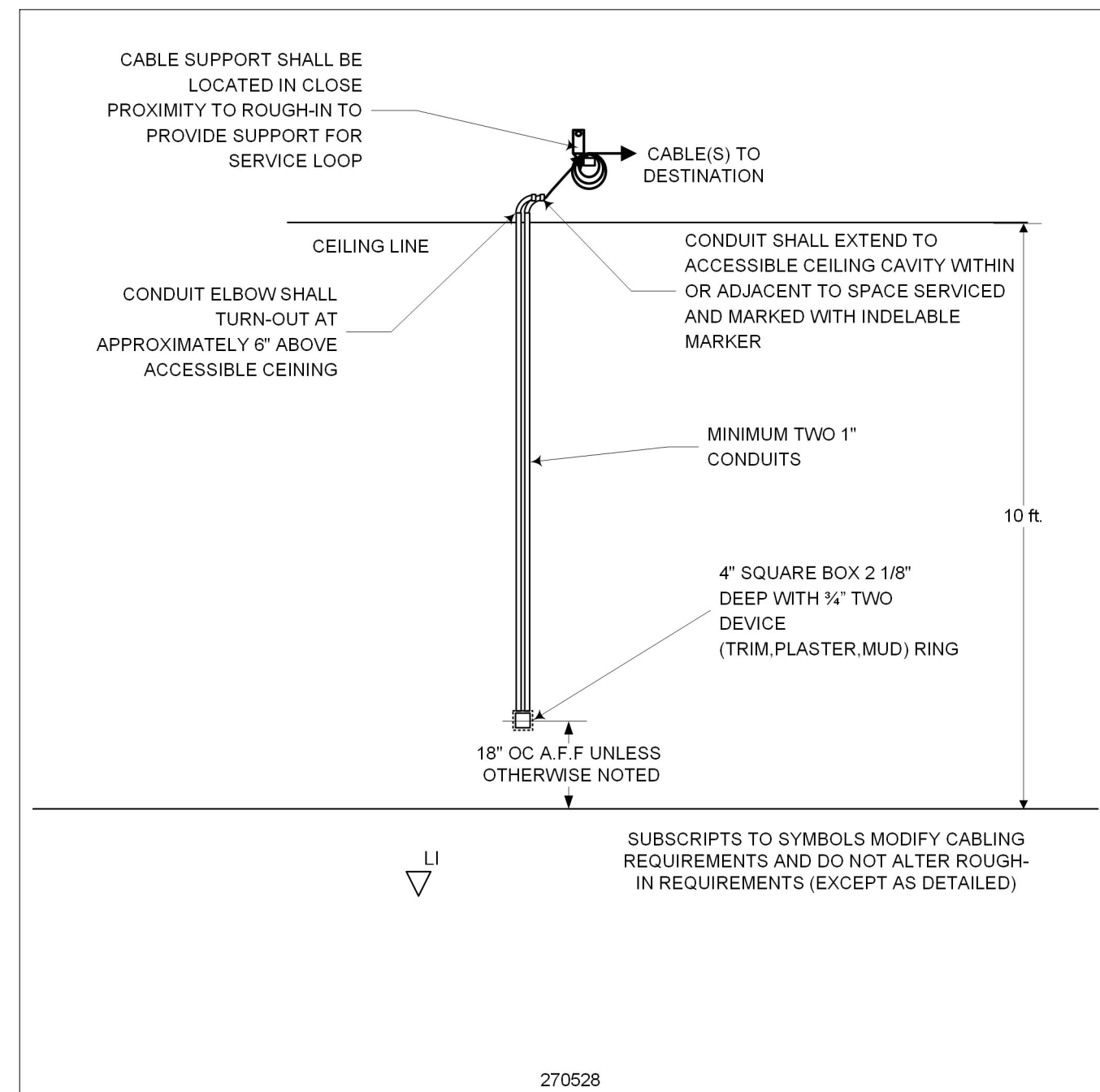
5 PROJECTOR/TV MOUNTING IN CEILING
NTS



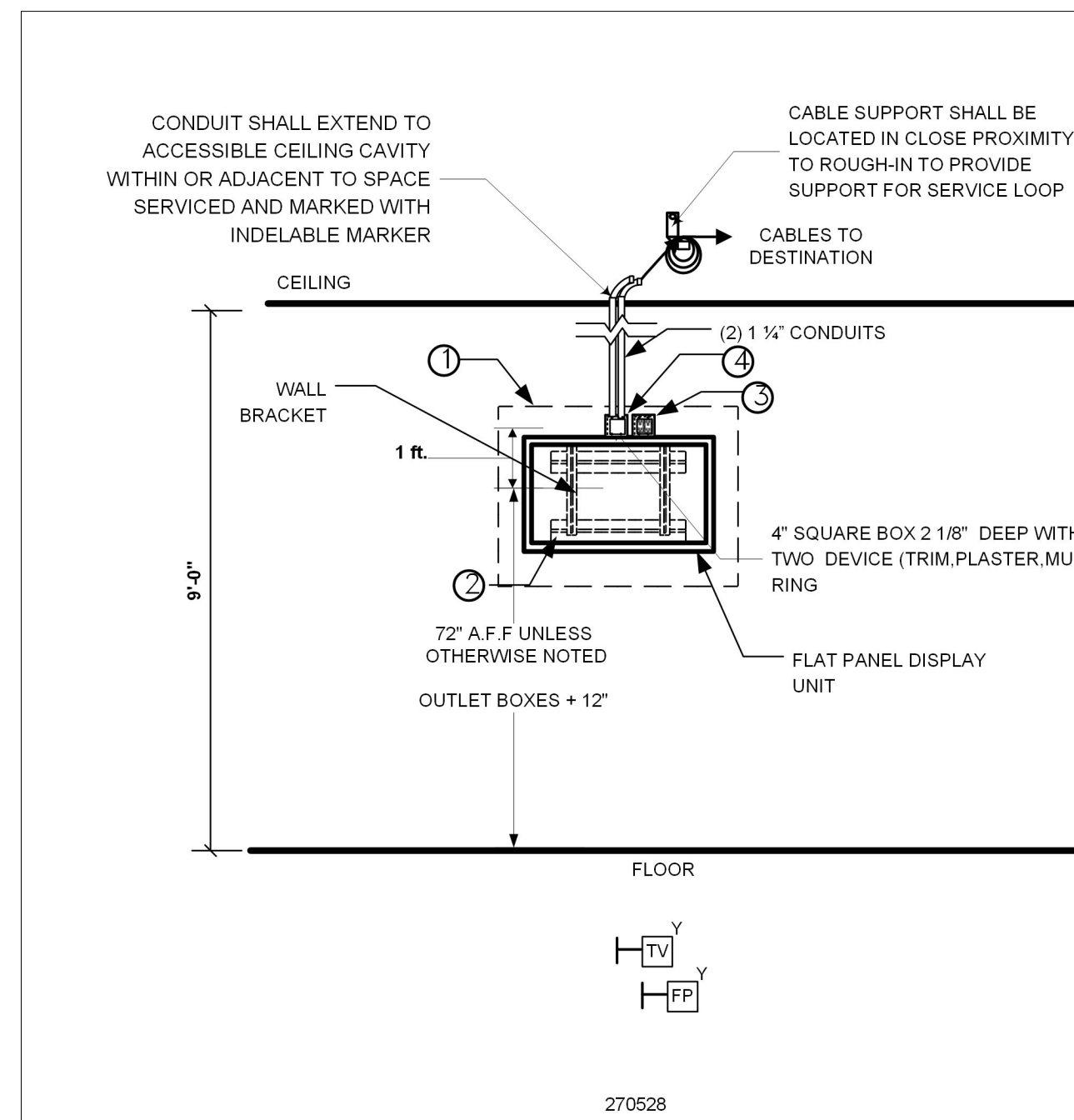
4 PROJECTOR MOUNTING AND ROUGH-IN
NTS



3 ROUGH-IN SOUND SYSTEM OUTLET
NTS



2 ROUGH-IN LOCAL INPUT
NTS



1 TELEVISION MOUNTING AND ROUGH-IN
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PROJECT

21-117

DATE

05/15/23

COORDINATED BY

BKS

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Bicsi
Brian K Scott
BICS1 ID # 114038
E2201512-21-21
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MARK DATE ISSUED FOR

AD-3 6/9/2023 Addendum 3

