THE SCHOOL DISTRICT OF PHILADELPHIA
Office of Capital Programs
440 North Broad Street, 3rd Floor – Suite 371
Philadelphia, PA 19130

TELEPHONE: (215) 400-4730

Addendum No. 01

Subject: John H. Webster – Classroom Modernization
SDP Contract Nos. B-051C, B-054C, of 2017/18

Location: JH Webster ES
3400 Frankford Ave.
Philadelphia, Pennsylvania 19134

This Addendum, dated 9th of May, 2018, shall modify and become part of the Contract Documents for the work of this project. Any items not mentioned herein, or affected by, shall be performed strictly in accordance with the original documents.

The following items, clarifications and/or revisions are to be included in the Contract Documents:

BIDDER'S QUESTIONS

1. **Question:** Due to the scope of work for all projects, the substantial completion date is unachievable. Along with lost time for moving of furniture and equipment before start of project. Can the date for substantial completion be extended?

   Response: No.

2. **Question:** Visual Display Surfaces - in spec there is a note if new boards are not installed in time, to use temporary boards as necessary, how many temporary boards are we to provide per classroom?

   Response: Temporary boards do not need to be provided.

3. **Question:** Do we need to provide temporary window shades, if new ones are not installed before start of school?

   Response: No. Existing shades are to be removed and salvaged/protected and reinstalled until new shades can be installed.

4. **Question:** Wood Floor Refinishing- some projects call for 2 coats of stain, can we forgo the stain and just use 2 coats of sealer and 2 coats of finish for all projects. You are adding on time to an already accelerated schedule.

   Response: Sand, seal, and finish the wood floors in accordance with the specifications. Omit staining of the floor.

5. **Question:** Have you checked on the choices of accent colors for the VCT tile? The colors may be a stock color, but do they have enough on hand, if not they may not be readily available for the substantial completion date.

   Response: Armstrong has been made aware of this project and its approximate square footage needs. Contractor to provide updated information on each color's availability immediately after NTP.

6. **Question:** Can you please include spec for electrostatic painting.

   Response: See Electrostatic Paint spec in Addendum #2.

7. **Question:** The electrical drawings were not pdf'd to scale and are shown scale to fit. Please provide corrected electrical drawings to scale.

   Response: Submitted electrical pdf drawings are matching Architectural pdf's and are scaled correctly.

8. **Question:** Please confirm the 2 panelboards are being replaced in kind and feeder conduit/conductors are being reutilized.

   Response: The two panelboards are beng replaced in kind except with 42 pole circuit breakers, existing feeder conduit/conductors are being reutilized.

9. **Question:** Where is location of existing IT rack shown on the electrical floor plans for takeoffs?

   Response: Existing IDF room shown on revised plans, attached.

CHANGES TO DRAWINGS

DRAWING I4.3 – LARGE SCALE LAYOUTS - CLASSROOMS

1. **REVISE** markerboard to larger markerboard.
2. **REVISE** markerboard to tack board.
3. **REVISE** base cabinet height.

DRAWING ED111A – FIRST LEVEL – LIGHTING FLOOR PLAN – DEMOLITION

4. **ADD** existing lights in toilet and storage.

DRAWING ED111B – FIRST LEVEL – LIGHTING FLOOR PLAN – DEMOLITION

1. **ADD** existing lights in toilet and storage.
2. **ADD** location of existing IDF room 120.

DRAWING ED112A – SECOND LEVEL – LIGHTING FLOOR PLAN – DEMOLITION

1. **ADD** existing lights in toilet and storage.

DRAWING ED121B – FIRST LEVEL – POWER FLOOR PLAN – DEMOLITION

1. **ADD** location of existing IDF room 120.

DRAWING E111A – FIRST LEVEL – LIGHTING FLOOR PLAN – NEW WORK

1. **ADD** new lights in toilet and storage.

DRAWING E111B – FIRST LEVEL – LIGHTING FLOOR PLAN – NEW WORK

1. **ADD** new lights in toilet and storage.
2. **ADD** location of existing IDF room 120.

DRAWING E112A – SECOND LEVEL – LIGHTING FLOOR PLAN – NEW WORK

1. **ADD** new lights in toilet and storage.

DRAWING E121B – FIRST LEVEL – POWER FLOOR PLAN – NEW WORK

1. **ADD l**ocation of existing IDF room 120.

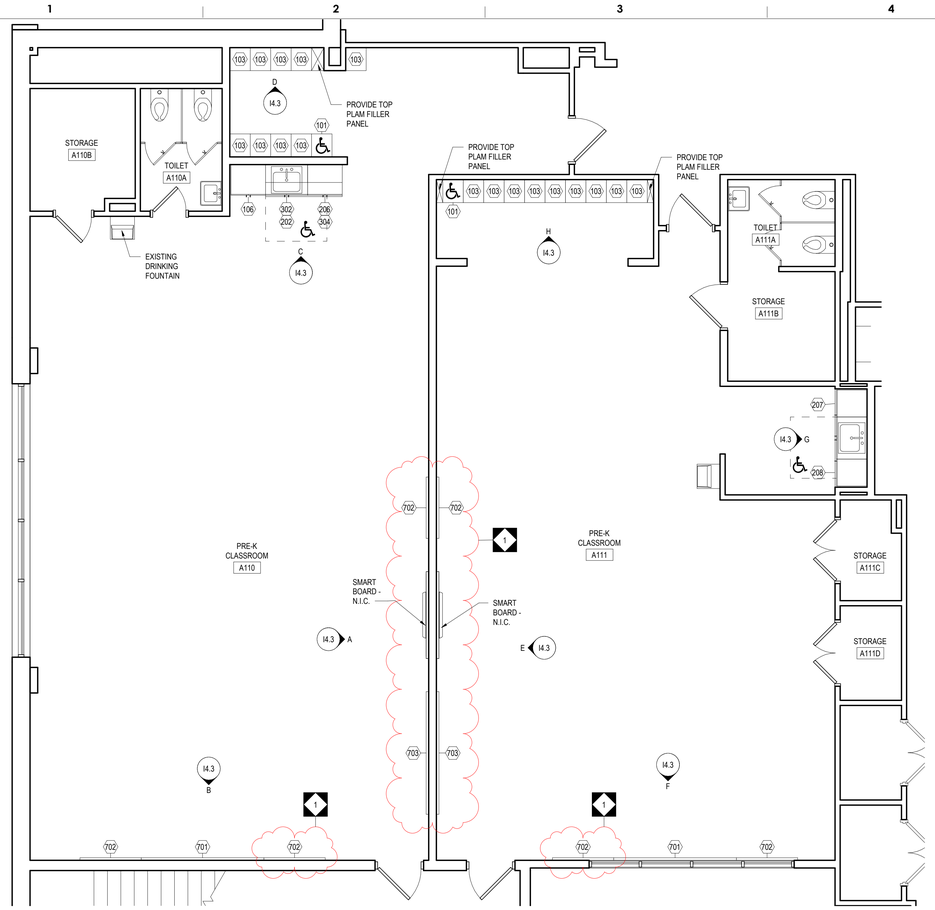
DRAWING E401 – ELECTRICAL PANELBOARD SCHEDULES

1. **REVISE** Panelboard schedule LF and LK existing and new.
2. **ADD** Power riser diagrams existing and new.

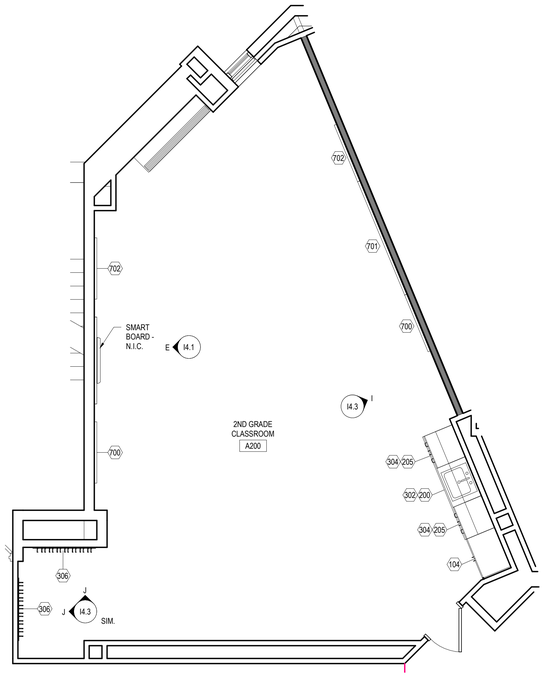
ATTACHMENTS

DRAWING I4.3	LARGE SCALE LAYOUTS - CLASSROOMS
DRAWING ED111A	FIRST LEVEL – LIGHTING FLOOR PLAN – DEMOLITION
DRAWING ED111B	FIRST LEVEL – LIGHTING FLOOR PLAN – DEMOLITION
DRAWING ED112A	SECOND LEVEL – LIGHTING FLOOR PLAN – DEMOLITION
DRAWING ED121B	FIRST LEVEL – POWER FLOOR PLAN – DEMOLITION
DRAWING E111A	FIRST LEVEL – LIGHTING FLOOR PLAN – NEW WORK
DRAWING E111B	FIRST LEVEL – LIGHTING FLOOR PLAN – NEW WORK
DRAWING E112A	SECOND LEVEL – LIGHTING FLOOR PLAN – NEW WORK
DRAWING E121B	FIRST LEVEL – POWER FLOOR PLAN – NEW WORK
DRAWING E401	ELECTRICAL PANELBOARD SCHEDULES

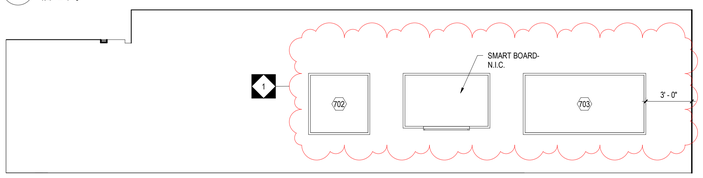
End of Addendum 01



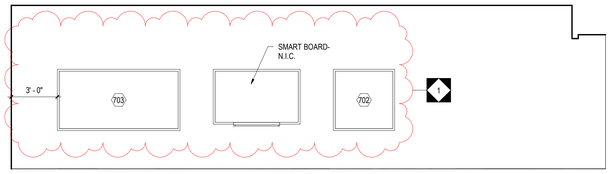
1 I4.3 CLASSROOM LAYOUT - A110 & A111
1/4" = 1'-0"



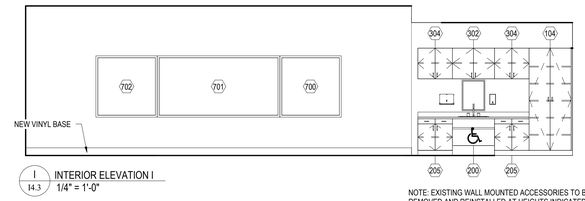
2 I4.3 CLASSROOM LAYOUT - A200
1/4" = 1'-0"



A I4.3 INTERIOR ELEVATION A
1/4" = 1'-0"

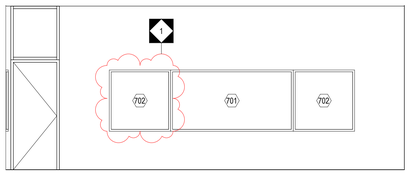


E I4.3 INTERIOR ELEVATION E
1/4" = 1'-0"

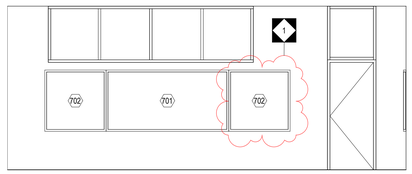


I I4.3 INTERIOR ELEVATION I
1/4" = 1'-0"

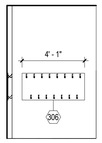
NOTE: EXISTING WALL MOUNTED ACCESSORIES TO BE REMOVED AND REINSTALLED AT HEIGHTS INDICATED ON ACESSIBILITY STANDARDS ON SHEET A6.1



B I4.3 INTERIOR ELEVATION B
1/4" = 1'-0"



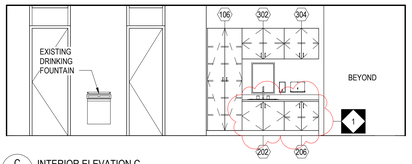
F I4.3 INTERIOR ELEVATION F
1/4" = 1'-0"



J I4.3 INTERIOR ELEVATION J
1/4" = 1'-0"

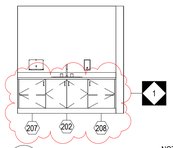
PRE-K MOUNTING HEIGHT SCHEDULE	
MARKER BOARD	2'-0" AFF TO BOTTOM EDGE
TACK BOARD	2'-0" AFF TO BOTTOM EDGE
BASE CABINETS	2'-2" AFF TO TOP OF CABINET
WALL CABINETS	7'-0" AFF TO TOP OF CABINET

GRADE 1-5 MOUNTING HEIGHT SCHEDULE	
MARKER BOARD	2'-6" AFF TO BOTTOM EDGE
TACK BOARD	2'-6" AFF TO BOTTOM EDGE
BASE CABINETS	2'-6" AFF TO TOP OF CABINET
WALL CABINETS	7'-0" AFF TO TOP OF CABINET



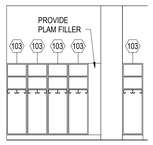
C I4.3 INTERIOR ELEVATION C
1/4" = 1'-0"

NOTE: EXISTING WALL MOUNTED ACCESSORIES TO BE REMOVED AND REINSTALLED AT HEIGHTS INDICATED ON ACESSIBILITY STANDARDS ON SHEET A6.1

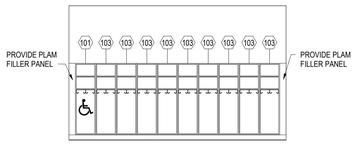


G I4.3 INTERIOR ELEVATION G
1/4" = 1'-0"

NOTE: EXISTING WALL MOUNTED ACCESSORIES TO BE REMOVED AND REINSTALLED AT HEIGHTS INDICATED ON ACESSIBILITY STANDARDS ON SHEET A6.1



D I4.3 INTERIOR ELEVATION D
1/4" = 1'-0"



H I4.3 INTERIOR ELEVATION H
1/4" = 1'-0"

I4.3 - GENERAL CASEWORK AND EQUIPMENT SCHEDULE		
NO	DESCRIPTION	DIMENSIONS
101	ADA OPEN STUDENT WARDROBE W/(1) DOUBLE HOOK & (2) SINGLE HOOKS EACH. MODIFIED TO INCLUDE (2) FIXED SHELVES ABOVE. SEE ADA KINDERGARTEN CUBBIE DETAIL.	16"W x 18"D x 60"H
103	OPEN STUDENT WARDROBE W/(1) DOUBLE HOOK & (2) SINGLE HOOKS EACH. MODIFIED TO INCLUDE (2) FIXED SHELVES ABOVE. SEE KINDERGARTEN CUBBIE DETAIL.	16"W x 18"D x 60"H
104	2-DOOR TALL STORAGE	33"W x 24"D x 84"H
106	2-DOOR TALL STORAGE	27"W x 24"D x 84"H
200	ADA VANITY SINK BASE CABINET	33"W x 24"D x 30"H
202	2-DOOR SINK BASE CABINET	33"W x 24"D x 28"H
205	2-DOOR/2-DRAWER BASE CABINET	27"W x 24"D x 30"H
206	2-DOOR BASE CABINET	27"W x 24"D x 28"H
207	1-DOOR BASE CABINET - LEFT HINGED	21"W x 24"D x 28"H
208	1-DOOR BASE CABINET - RIGHT HINGED	21"W x 24"D x 28"H
302	2-DOOR WALL CABINET	33"W x 14"D x 24"H
304	2-DOOR WALL CABINET	27"W x 14"D x 24"H
306	STUDENT COAT HOOKS - MODIFIED TO INCLUDE 4.75"H X 3/4" PLYWOOD W/ HIGH PRESSURE LAMINATE ON ALL EXPOSED SURFACE W/ (15) COAT HOOKS #0400 AND HEAVY DUTY SUPPORT BRACKETS PER MANF. RECOMMENDATIONS.	SEE ELEVATIONS
700	MARKERBOARD	4'-0"W x 4'-0"H
701	TACK BOARD	8'-0"W x 4'-0"H
702	TACK BOARD	4'-0"W x 4'-0"H
703	MARKERBOARD	8'-0"W x 4'-0"H

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9		
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1	XX/XX/XX	REVISION DESCRIPTION

SCHOOL & LOCATION

JOHN H. WEBSTER
3400 FRANKFORD AVENUE,
PHILADELPHIA, PA 19134

PROJECT TITLE

CLASSROOM MODERNIZATION

DRAWING TITLE

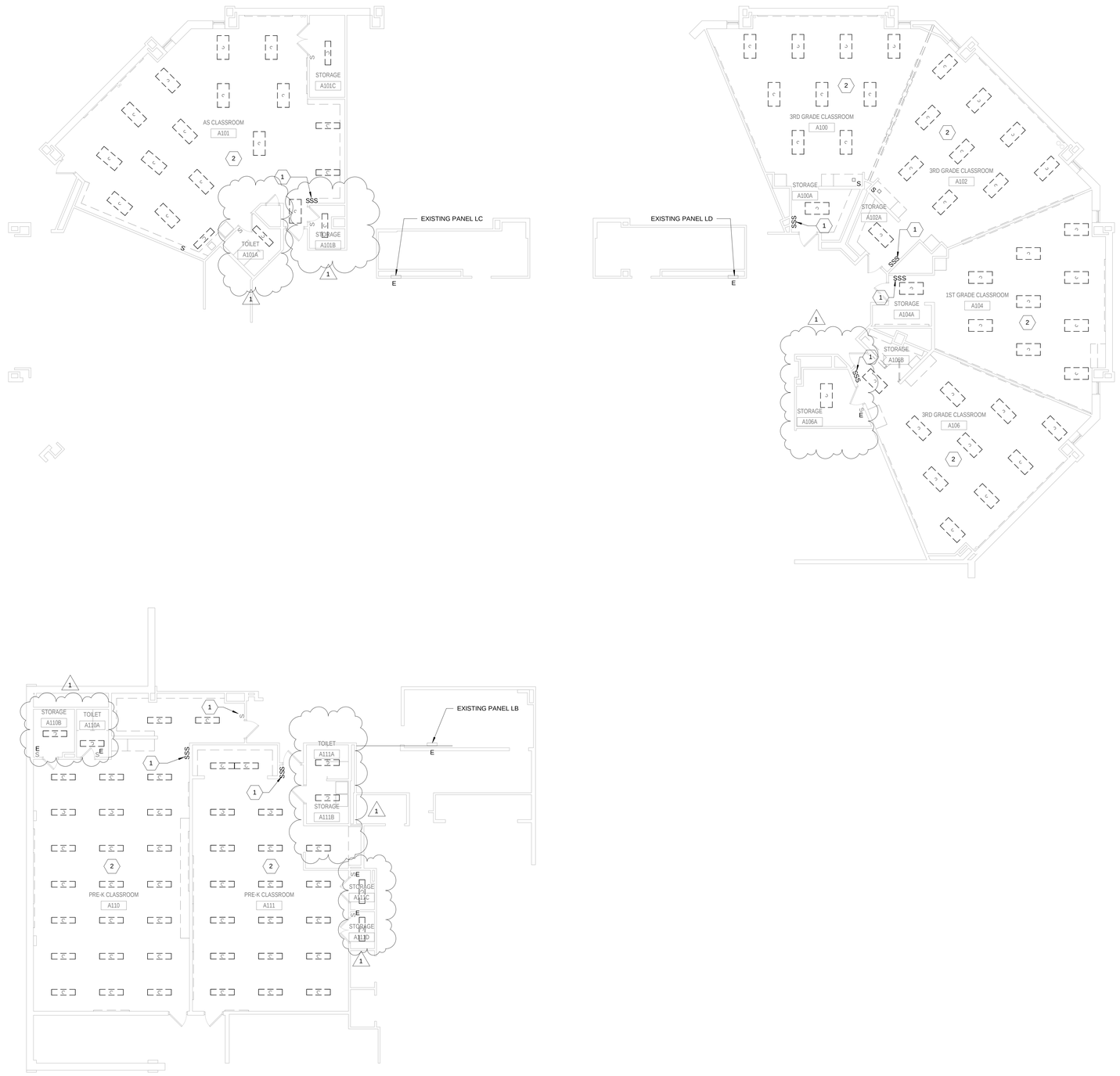
LARGE SCALE LAYOUTS - CLASSROOMS

LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

B-051C	OF	2017 / 18
B-054C	OF	2017 / 18

DRAWING NO.
I4.3

SHEET OF



1 FIRST LEVEL - LIGHTING FLOOR PLAN - DEMOLITION - AREA A - CLASSROOM A100 TO A111

1/8" = 1'-0"

0' 15' 30' 60'

SCALE: 1"=30'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. DISCONNECT AND REMOVE ALL EXISTING LIGHT SWITCH WITH COVER PLATE, EXISTING CIRCUIT TO REMAIN.
2. DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURE. EXISTING LIGHTING CIRCUIT TO REMAIN IN NOTED AREAS.

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ENGINEER
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PENNSYLVANIA

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03/29/2018

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NO.	DATE	REVISION
1	05/09/18	ADDENDUM 1

SCHOOL & LOCATION

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PROJECT TITLE

CLASSROOM MODERNIZATION

DRAWING TITLE

FIRST LEVEL - LIGHTING FLOOR PLAN - DEMOLITION - AREA A

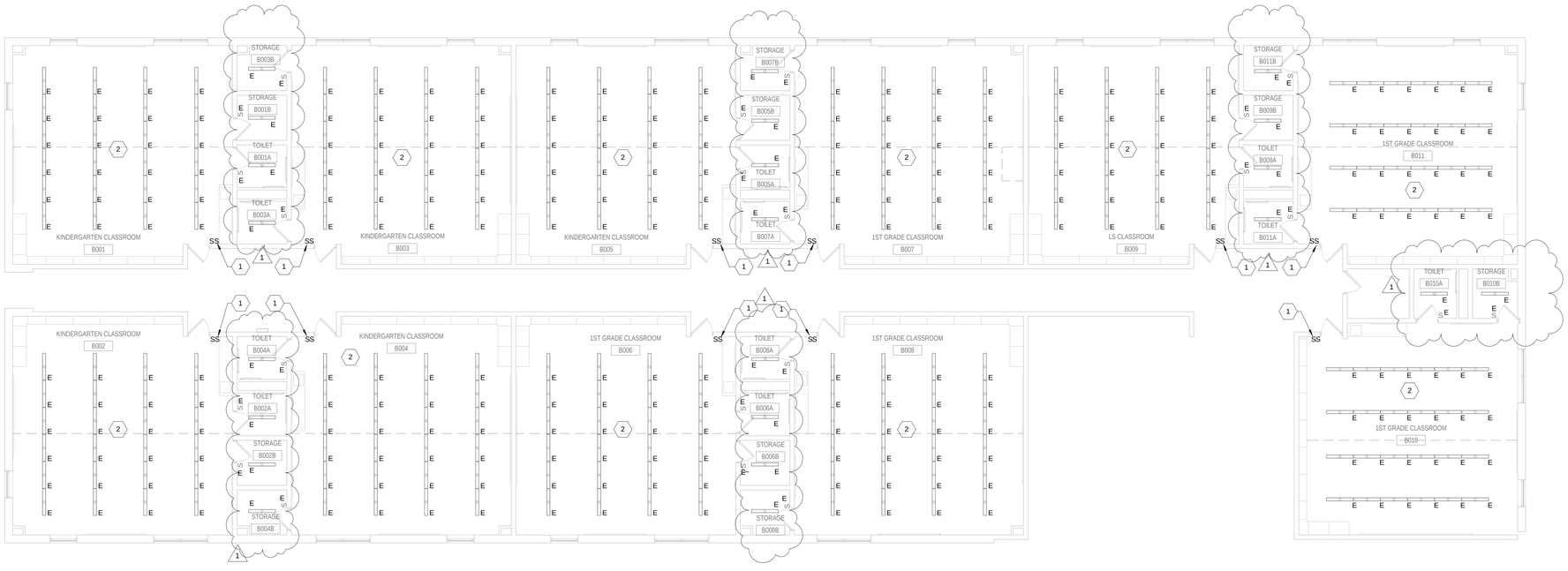
LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

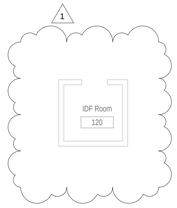
B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.

ED111A

SHEET OF





1 FIRST LEVEL - LIGHTING FLOOR PLAN - DEMOLITION - AREA B - CLASSROOM B001 TO B011
1/8" = 1'-0"

0' 15' 30' 60'
SCALE: 1"=30'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. DISCONNECT AND REMOVE ALL EXISTING LIGHT SWITCH WITH COVER PLATE. EXISTING CIRCUIT TO REMAIN.
2. DISCONNECT AND REMOVE EXISTING BALLASTS FROM THE FIXTURE. REFER TO NEW WORK DRAWINGS FOR NEW WORK.

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1	05/09/18	ADDENDUM 1

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CLASSROOM MODERNIZATION

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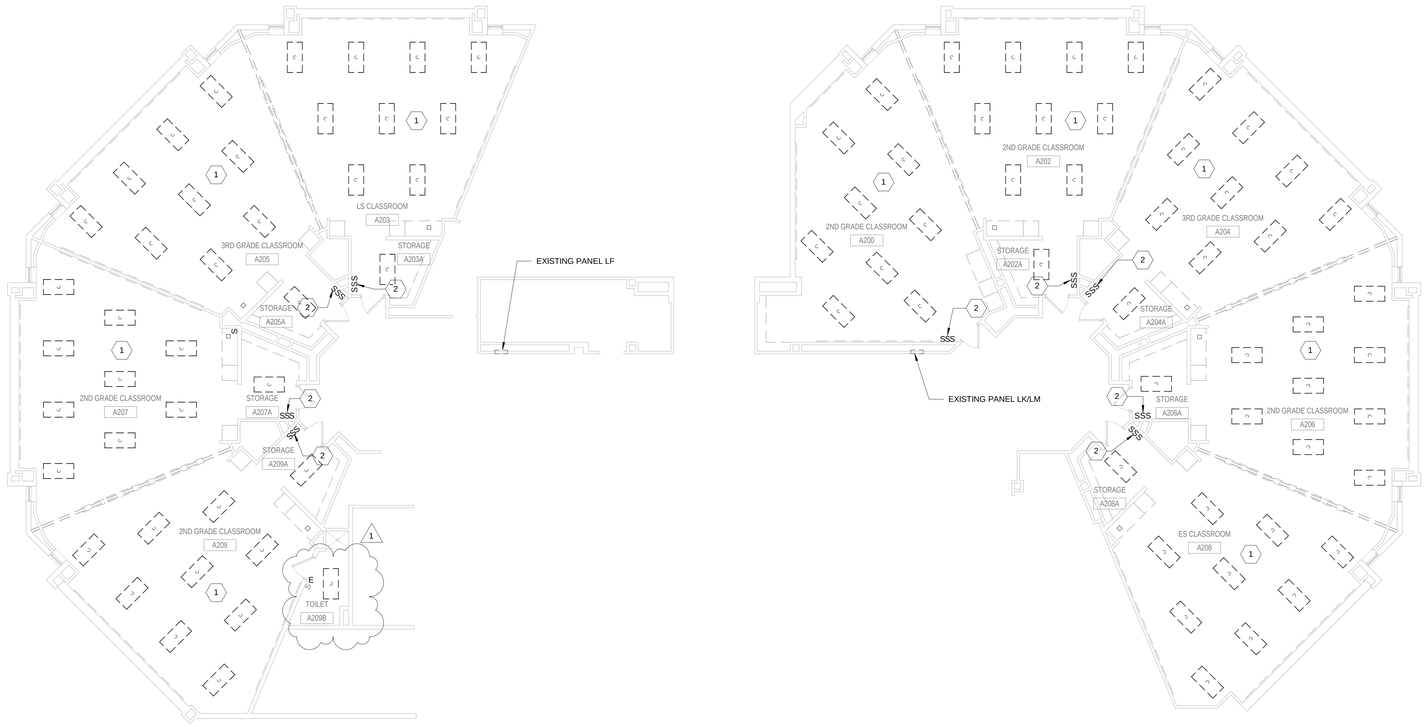
FIRST LEVEL - LIGHTING FLOOR PLAN - DEMOLITION - AREA B

LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.
ED111B

SHEET OF



1 SECOND LEVEL - LIGHTING FLOOR PLAN - DEMOLITION - AREA A - CLASSROOM A200 TO A209
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURE. EXISTING LIGHTING CIRCUIT TO REMAIN IN NOTED AREAS.
2. DISCONNECT AND REMOVE ALL EXISTING LIGHT SWITCH WITH COVER PLATE, EXISTING CIRCUIT TO REMAIN.

0' 15' 30' 60'
SCALE: 1"=30'-0"T"

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PROJECT TITLE

CLASSROOM MODERNIZATION

DRAWING TITLE

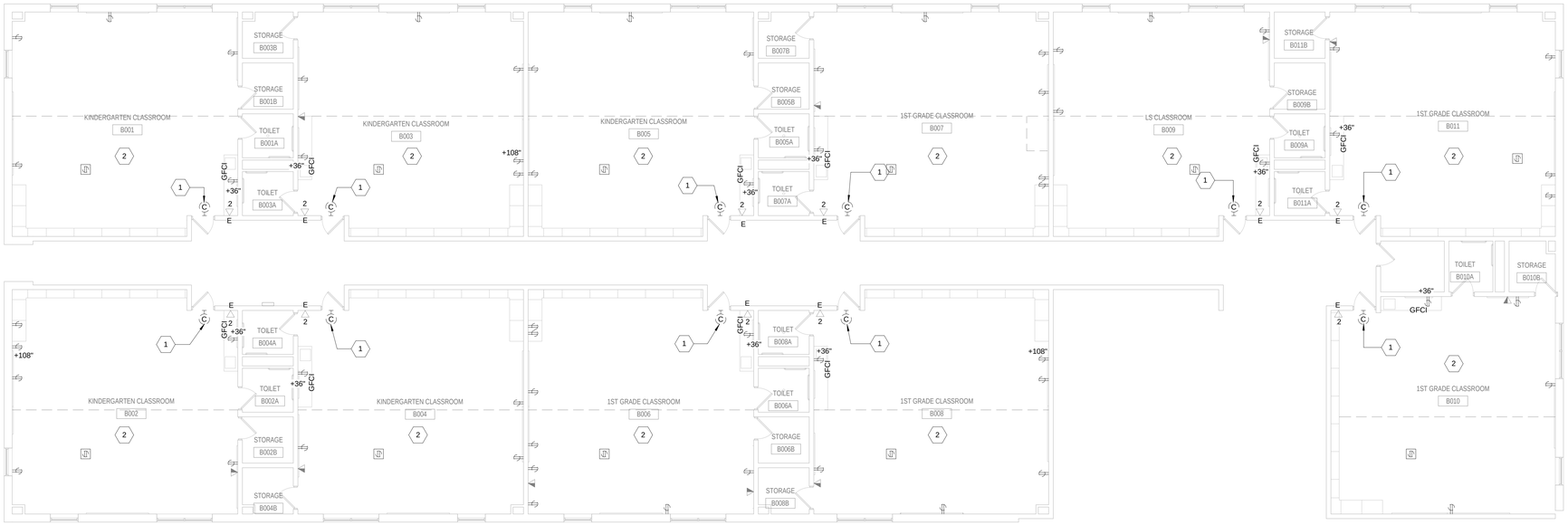
SECOND LEVEL - LIGHTING FLOOR PLAN - DEMOLITION - AREA A

LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.
ED112A

SHEET OF



1 FIRST LEVEL - POWER FLOOR PLAN - DEMOLITION - AREA B - CLASSROOM B001 TO B011
1/8" = 1'-0"

0' 15' 30' 60'
SCALE: 1"=30'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. DISCONNECT AND REMOVE ALL EXISTING SYNCHRONOUS CLOCKS. PATCH AND PAINT TO MATCH EXISTING SURFACES.
2. DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES WITH COVER PLATE IN NOTED AREAS. EXISTING CIRCUIT TO REMAIN.

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ENGINEER No. PE075223

R. JEFFREY STRAUB, AIA PENNSYLVANIA — DATE 03/29/2018

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CLASSROOM MODERNIZATION

DRAWING TITLE

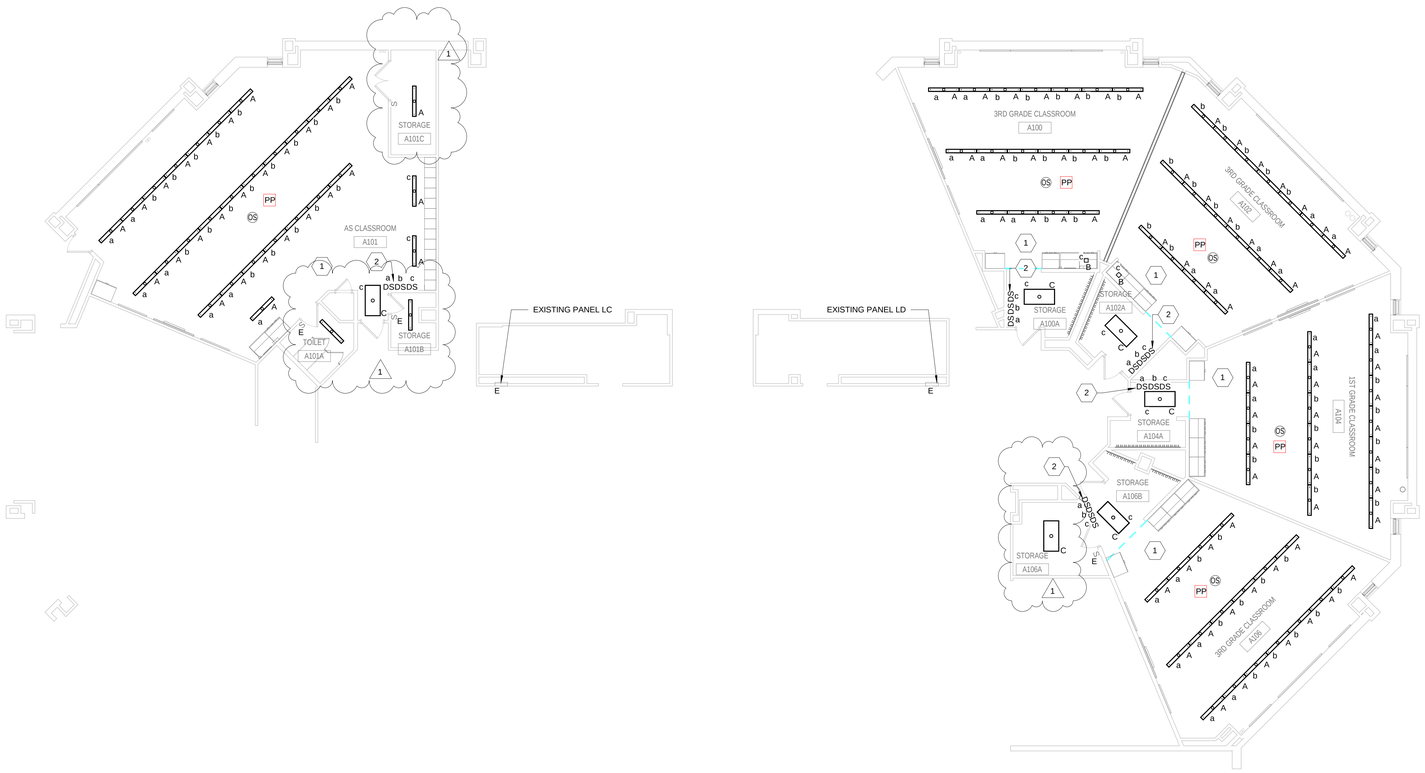
FIRST LEVEL - POWER FLOOR PLAN - DEMOLITION - AREA B

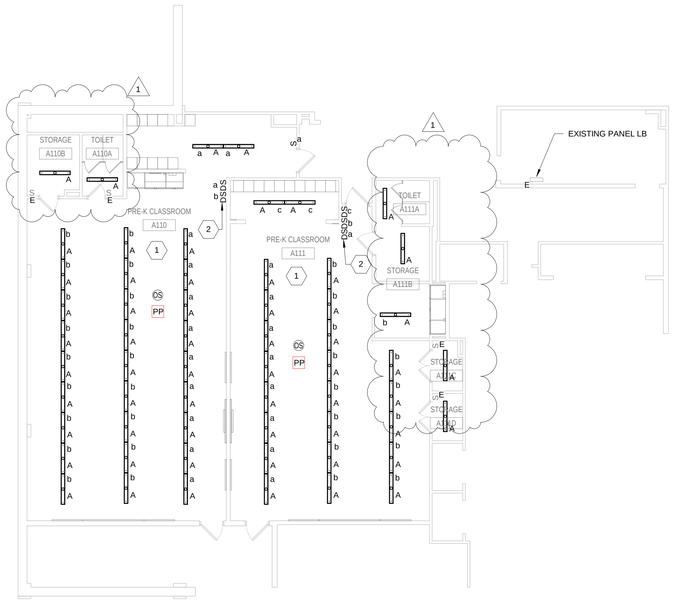
LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.
ED121B

SHEET OF





1 FIRST LEVEL - LIGHTING FLOOR PLAN - NEW WORK - AREA A - CLASSROOM A101 TO A111

1/8" = 1'-0"

0' 15' 30' 60'

SCALE: 1"=30'-0"0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. CONTRACTOR SHALL VERIFY SOURCE OF EXISTING LIGHTING CIRCUIT PRIOR TO COMMENCING OF NEW LIGHTING INSTALLATION. REUSE EXISTING CIRCUITS IN THE ROOM FOR THE NEW LIGHTING. PROVIDE OCCUPANCY SENSOR AS SHOWN.
2. PROVIDE NEW DIMMING SWITCHES FOR THE NEW LED FIXTURES. COORDINATE EXACT REQUIREMENTS WITH LIGHTING FIXTURE SUPPLIES.

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ENGINEER No. PE075223

R. JEFFREY STRAUB, A/A — DATE
PENNSYLVANIA — 03/29/2018

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NO.	DATE	REVISION
1	05/09/18	ADDENDUM 1

SCHOOL & LOCATION

JOHN H. WEBSTER
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PROJECT TITLE

CLASSROOM MODERNIZATION

DRAWING TITLE

FIRST LEVEL - LIGHTING FLOOR PLAN - NEW WORK - AREA A

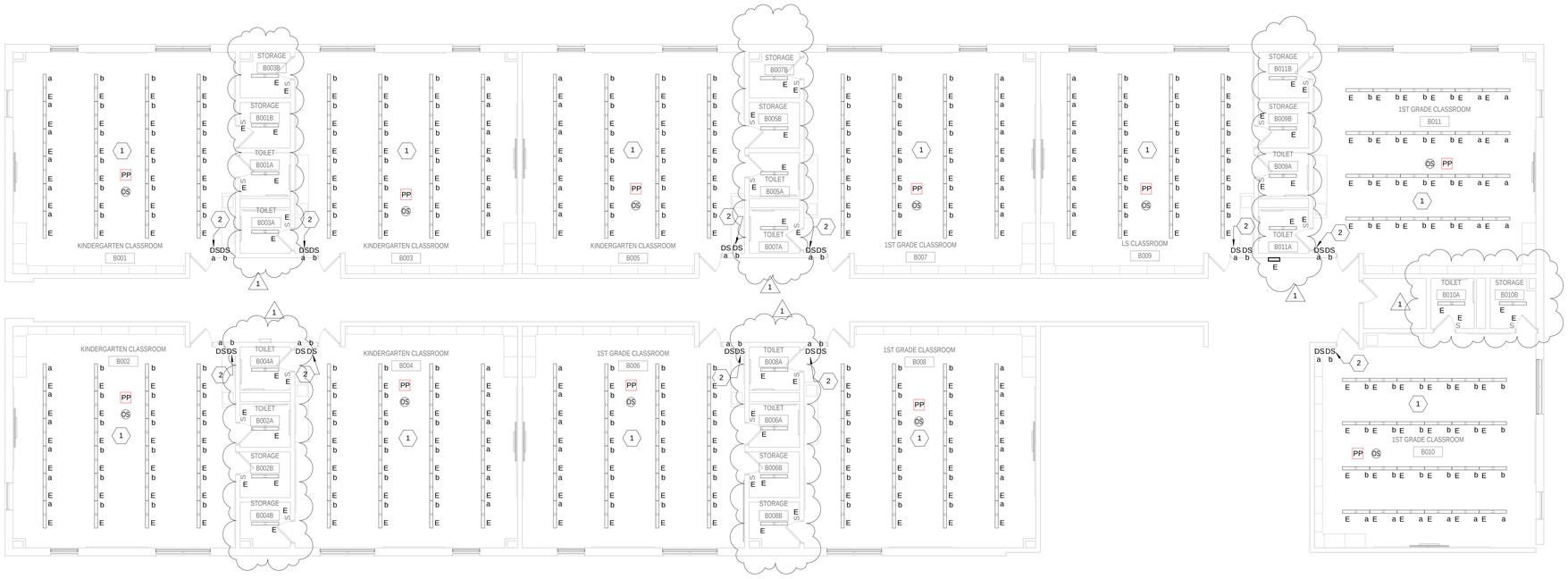
LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

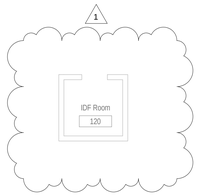
B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.

E111A

SHEET OF





1 FIRST LEVEL - LIGHTING FLOOR PLAN - NEW WORK - AREA B - CLASSROOM B001 TO B011

1/8" = 1'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. PROVIDE 24 NEW LENSES. COORDINATE LOCATIONS FOR NEW LENSES IN FIELD WITH OWNER. THE REST OF EXISTING LENSES TO REMAIN TO BE REMOVED, CLEANED, AND REINSTALLED. EXISTING FIXTURES TO BE CLEANED AND RELAMPED AS REQUIRED. BALANCE OF LENSES BE TURNED OVER TO OWNER. PROVIDE DIMMABLE FLOURSCENT BALLASTS FOR ALL LINEAR FIXTURES IN THE NOTED AREAS.
2. PROVIDE NEW DIMMING SWITCHES FOR THE NEW LED FIXTURES. COORDINATE EXACT REQUIREMENTS WITH LIGHTING FIXTURE SUPPLIES.

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NO.	DATE	REVISION
1	05/09/18	ADDENDUM 1

SCHOOL & LOCATION

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PHILADELPHIA, PA 19134

PROJECT TITLE

CLASSROOM MODERNIZATION

DRAWING TITLE

FIRST LEVEL - LIGHTING FLOOR PLAN - NEW WORK - AREA B

LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

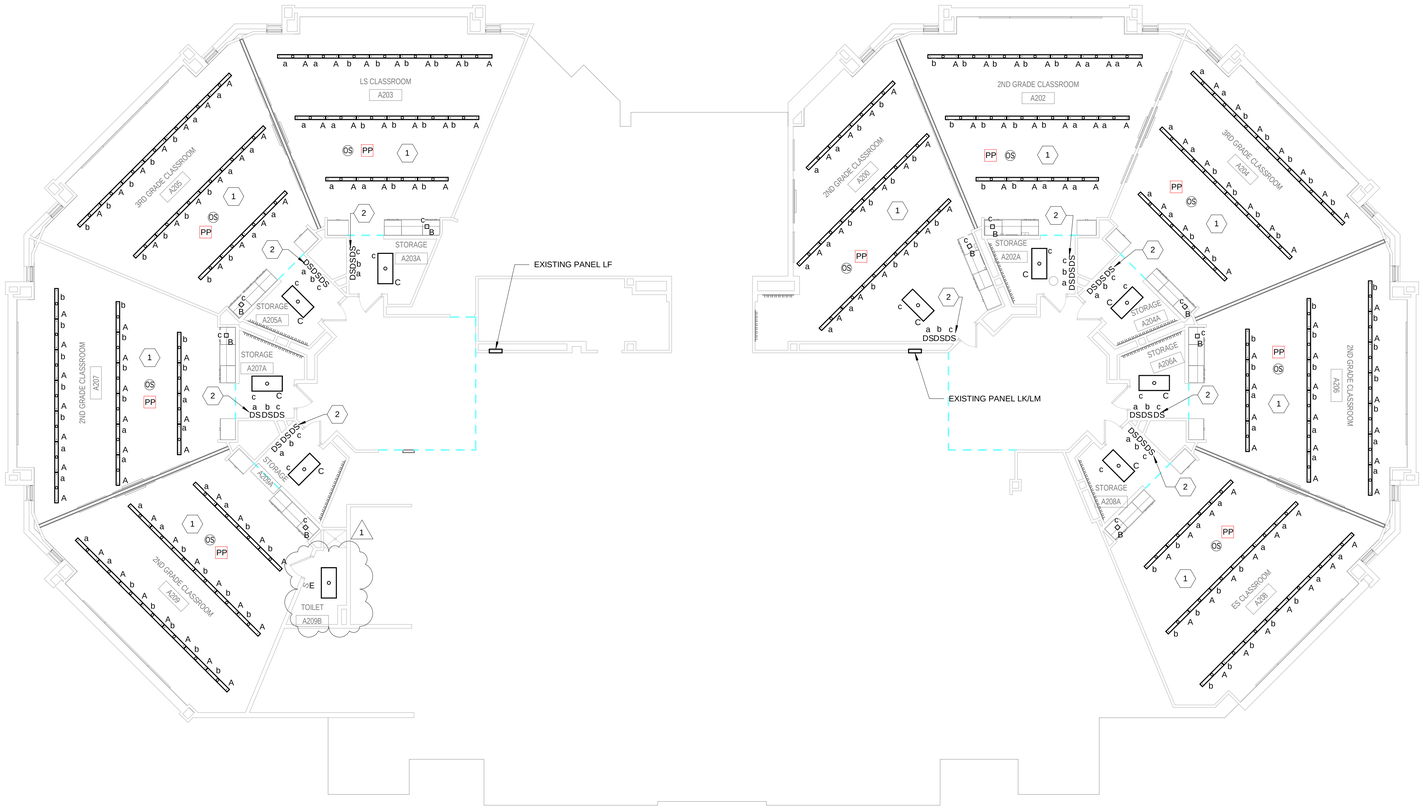
B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.

E111B

SHEET OF

0' 15' 30' 60'
SCALE: 1"=30'-0"



1 SECOND LEVEL - LIGHTING FLOOR PLAN - NEW WORK - AREA A - CLASSROOM A200 TO A209
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. CONTRACTOR SHALL VERIFY SOURCE OF EXISTING LIGHTING CIRCUIT PRIOR TO COMMENCING OF NEW LIGHTING INSTALLATION. REUSE EXISTING CIRCUITS IN THE ROOM FOR THE NEW LIGHTING. PROVIDE OCCUPANCY SENSOR AS SHOWN.
2. PROVIDE NEW DIMMING SWITCHES FOR THE NEW LED FIXTURES. COORDINATE EXACT REQUIREMENTS WITH LIGHTING FIXTURE SUPPLIES.

0' 15' 30' 60'
SCALE: 1"=30'-0"

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1	05/09/18	ADDENDUM 1

SCHOOL & LOCATION

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PROJECT TITLE

CLASSROOM MODERNIZATION

DRAWING TITLE

SECOND LEVEL - LIGHTING FLOOR PLAN - NEW WORK - AREA A

LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

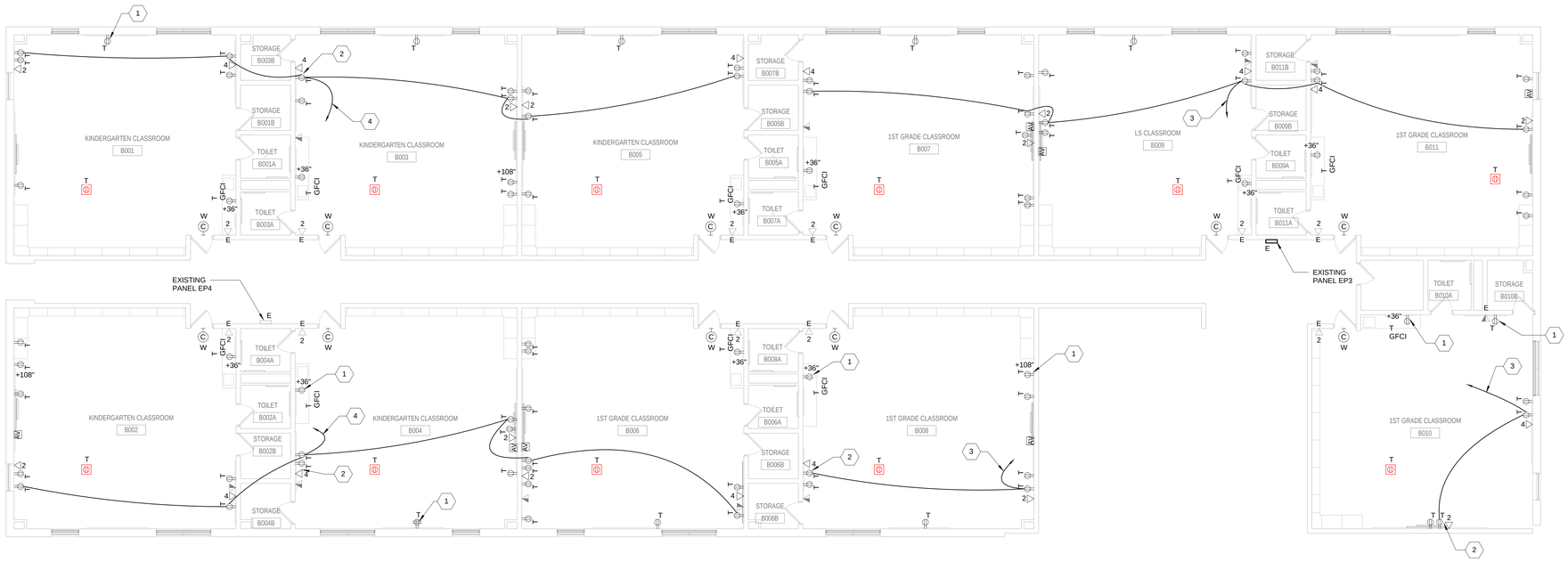
B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.
E112A

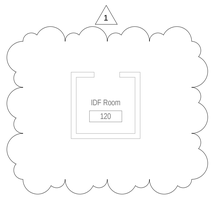
SHEET OF

MAXIMUM 20A BRANCH CIRCUIT LENGTH TO FARTHEST OUTLET, ONE WAY, O.U.N.

AWG	120V, 1PH			277V, 1PH		
#12	65'	-	-	150'	-	-
#10	-	125'	-	-	275'	-
#8	-	-	200'	-	-	-



1 FIRST LEVEL - POWER FLOOR PLAN - NEW WORK - AREA B - B001 TO B011
1/8" = 1'-0"



GENERAL NOTES

1. REFER TO E001 FOR GENERAL NOTES, SYMBOL LEGEND AND LIST OF ABBREVIATIONS.

KEYED NOTES

1. PROVIDE NEW TAMPER-RESISTANT WITH COVER PLATE RECEPTACLE IN EXISTING BACK BOX AND CONNECT TO EXISTING CIRCUIT.
2. SURFACE MOUNT NEW RECEPTACLE, DATA OUTLET AND ASSOCIATED CONDUITS. CONTRACTOR SHALL COORDINATE LOCATION AND ITS FEASABILITY OF NEW RECEPTACLE AND DATA OUTLET PRIOR TO INSTALLATION.
3. CONNECT TO AN EXISTING 20A,1P SPARE CIRCUIT BREAKER IN PANEL EP3.
4. CONNECT TO AN EXISTING 20A,1P SPARE CIRCUIT BREAKER IN PANEL EP4.

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1	05/09/18	ADDENDUM 1

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PROJECT TITLE

CLASSROOM MODERNIZATION

DRAWING TITLE

FIRST LEVEL - POWER FLOOR PLAN - NEW WORK - AREA B

LOCATION NO.	FILE NO.
DRAWN BY	CHECKED BY

B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.
E121B

SHEET OF

0' 15' 30' 60'
SCALE: 1"=30'-0"

1 2 3 4 5 6 7 8

PANELBOARD NAME: LF (EXISTING)

(EXISTING) ○ NEW ◉ EXISTING | ◉ 1 SEC ○ 2 SEC

VOLTAGE: **208Y/120V** BUS RATING: **225A** POLES: **42** MINIMUM A.I.C. RATING (A): **18,000**

PH/WIRE: **3 PHASE, 4 WIRE + GROUND** MAIN: **225A MCB** MOUNTING: **SURFACE** SERVICE: **NORMAL**

CKT NO.	LOAD TYPE	LOAD DESCRIPTION	BKR P	BKR TRIP	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	BKR P	BKR TRIP	LOAD DESCRIPTION	LOAD TYPE	CKT NO.
1	C	EXISTING	1	20	530	1480			950	1	20	EXISTING	C	2
3	C	EXISTING	1	20	670		1030		360	1	20	EXISTING	C	4
5	C	EXISTING	1	20	530			890	360	1	20	EXISTING	C	6
7	C	EXISTING	1	20	845	1565			720	1	20	EXISTING	C	8
9	C	EXISTING	1	20	1000		1360		360	1	20	EXISTING	C	10
11	C	EXISTING	1	20	950			1670	720	1	20	EXISTING	C	12
13	C	EXISTING	1	20	360	1360			1000	1	20	EXISTING	C	14
15	C	EXISTING	1	20	360		1080		720	1	20	EXISTING	C	16
17	C	EXISTING	1	20	720			1620	900	1	20	EXISTING	C	18
19	C	EXISTING	1	20	1000	1950			950	1	20	EXISTING	C	20
21	C	EXISTING	1	20	720		1080		360	1	20	EXISTING	C	22
23	R	EXISTING	1	20	900			1620	720	1	20	EXISTING	R	24
25	R	EXISTING	1	20	950	1950			1000	1	20	EXISTING	R	26
27	R	EXISTING	1	20	360		1080		720	1	20	EXISTING	R	28
29	R	EXISTING	1	20	360			1260	900	1	20	EXISTING	R	30
31	R	EXISTING	1	20	720	1670			950	1	20	EXISTING	R	32
33	R	EXISTING	1	20	1000		2200		1200	1	20	EXISTING	R	34
35	R	EXISTING	1	20	720			1720	1000	1	20	EXISTING	R	36

	Total	A	B	C	
TOTAL CONNECTED LOAD (A):	73.8	27.7	21.7	24.4	(AMPS/PHASE)
TOTAL CONNECTED LOAD (VA):	26,585	9,975	7,830	8,780	(VA/PHASE)

#BOLD INDICATES NEW

PROVIDE ITEMS MARKED BELOW :
- ☐ DOOR-IN-DOOR CONSTRUCTION
- ☐ SHUNT TRIP ON MAIN DEVICE
- ☐ FEED THRU LUGS
- ☐ SERVICE NEUTRAL
- ☐ ISOLATED GROUND BUS
- ☐ 200% NEUTRAL
- ☐ NEMA 3R
- ☐ OTHER:

LOAD TYPE		CONNECTED VA	CONNECTED AMPS	DEMAND VA	DEMAND AMPS
CONTINUOUS LOADS AND LIGHTING (@125%)	C	15,085	42	18,856	52
RECEPTS (1st 10kVA @100% + REST @ 50%)	R	11,500	32	10,750	30
MECH.(LARGEST @ 125% + REST @ 100%)	M				
KITCHEN EQUIP. (PER NEC TABLE 220.56)	K				
NON-CONTINUOUS LOADS (@100%)	N				
STANDBY LOADS	S				
TOTAL CONNECTED & DEMAND LOAD :		**26.59 (kVA)**		**29.61 (kVA)**	
TOTAL CONNECTED & DEMAND LOAD :		**73.79 (A)**		**82.18 (A)**	

PANELBOARD NAME: LK (EXISTING)

(EXISTING) ○ NEW ◉ EXISTING | ◉ 1 SEC ○ 2 SEC

VOLTAGE: **208Y/120V** BUS RATING: **225A** POLES: **42** MINIMUM A.I.C. RATING (A): **18,000**

PH/WIRE: **3 PHASE, 4 WIRE + GROUND** MAIN: **225A MCB** MOUNTING: **SURFACE** SERVICE: **NORMAL**

CKT NO.	LOAD TYPE	LOAD DESCRIPTION	BKR P	BKR TRIP	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	BKR P	BKR TRIP	LOAD DESCRIPTION	LOAD TYPE	CKT NO.
1	C	EXISTING	1	20	530	1480			950	1	20	EXISTING	C	2
3	C	EXISTING	1	20	670		1030		360	1	20	EXISTING	C	4
5	C	EXISTING	1	20	530			890	360	1	20	EXISTING	C	6
7	C	EXISTING	1	20	845	1565			720	1	20	EXISTING	C	8
9	C	EXISTING	1	20	1000		1360		360	1	20	EXISTING	C	10
11	C	EXISTING	1	20	950			1670	720	1	20	EXISTING	C	12
13	C	EXISTING	1	20	360	1360			1000	1	20	EXISTING	C	14
15	C	EXISTING	1	20	360		1080		720	1	20	EXISTING	C	16
17	C	EXISTING	1	20	720			1620	900	1	20	EXISTING	C	18
19	C	EXISTING	1	20	1000	1950			950	1	20	EXISTING	C	20
21	C	EXISTING	1	20	720		1080		360	1	20	EXISTING	C	22
23	R	EXISTING	1	20	900			1620	720	1	20	EXISTING	R	24
25	R	EXISTING	1	20	950	1950			1000	1	20	EXISTING	R	26
27	R	EXISTING	1	20	360		1080		720	1	20	EXISTING	R	28
29	R	EXISTING	1	20	360			1260	900	1	20	EXISTING	R	30
31	R	EXISTING	1	20	720	1670			950	1	20	EXISTING	R	32
33	R	EXISTING	1	20	1000		2200		1200	1	20	EXISTING	R	34
35	R	EXISTING	1	20	720			1720	1000	1	20	EXISTING	R	36

	Total	A	B	C	
TOTAL CONNECTED LOAD (A):	73.8	27.7	21.7	24.4	(AMPS/PHASE)
TOTAL CONNECTED LOAD (VA):	26,585	9,975	7,830	8,780	(VA/PHASE)

#BOLD INDICATES NEW

PROVIDE ITEMS MARKED BELOW :
- ☐ DOOR-IN-DOOR CONSTRUCTION
- ☐ SHUNT TRIP ON MAIN DEVICE
- ☐ FEED THRU LUGS
- ☐ SERVICE NEUTRAL
- ☐ ISOLATED GROUND BUS
- ☐ 200% NEUTRAL
- ☐ NEMA 3R
- ☐ OTHER:

LOAD TYPE		CONNECTED VA	CONNECTED AMPS	DEMAND VA	DEMAND AMPS
CONTINUOUS LOADS AND LIGHTING (@125%)	C	15,085	42	18,856	52
RECEPTS (1st 10kVA @100% + REST @ 50%)	R	11,500	32	10,750	30
MECH.(LARGEST @ 125% + REST @ 100%)	M				
KITCHEN EQUIP. (PER NEC TABLE 220.56)	K				
NON-CONTINUOUS LOADS (@100%)	N				
STANDBY LOADS	S				
TOTAL CONNECTED & DEMAND LOAD :		**26.59 (kVA)**		**29.61 (kVA)**	
TOTAL CONNECTED & DEMAND LOAD :		**73.79 (A)**		**82.18 (A)**	

PANELBOARD NAME: LF (NEW)

(NEW) ◉ NEW ○ EXISTING | ◉ 1 SEC ○ 2 SEC

VOLTAGE: **208Y/120V** BUS RATING: **225A** POLES: **42** MINIMUM A.I.C. RATING (A): **18,000**

PH/WIRE: **3 PHASE, 4 WIRE + GROUND** MAIN: **225A MCB** MOUNTING: **SURFACE** SERVICE: **NORMAL**

CKT NO.	LOAD TYPE	LOAD DESCRIPTION	BKR P	BKR TRIP	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	BKR P	BKR TRIP	LOAD DESCRIPTION	LOAD TYPE	CKT NO.
1	C	EXISTING	1	20	530	1480			950	1	20	EXISTING	C	2
3	C	EXISTING	1	20	670		1030		360	1	20	EXISTING	C	4
5	C	EXISTING	1	20	530			890	360	1	20	EXISTING	C	6
7	C	EXISTING	1	20	845	1565			720	1	20	EXISTING	C	8
9	C	EXISTING	1	20	1000		1360		360	1	20	EXISTING	C	10
11	C	EXISTING	1	20	950			1670	720	1	20	EXISTING	C	12
13	C	EXISTING	1	20	360	1360			1000	1	20	EXISTING	C	14
15	C	EXISTING	1	20	360		1080		720	1	20	EXISTING	C	16
17	C	EXISTING	1	20	720			1620	900	1	20	EXISTING	C	18
19	C	EXISTING	1	20	1000	1950			950	1	20	EXISTING	C	20
21	C	EXISTING	1	20	720		1080		360	1	20	EXISTING	C	22
23	R	EXISTING	1	20	900			1620	720	1	20	EXISTING	R	24
25	R	EXISTING	1	20	950	1950			1000	1	20	EXISTING	R	26
27	R	EXISTING	1	20	360		1080		720	1	20	EXISTING	R	28
29	R	EXISTING	1	20	360			1260	900	1	20	EXISTING	R	30
31	R	EXISTING	1	20	720	1670			950	1	20	EXISTING	R	32
33	R	EXISTING	1	20	1000		2200		1200	1	20	EXISTING	R	34
35	R	EXISTING	1	20	720			1720	1000	1	20	EXISTING	R	36
37	R	ROOMS A203 & A205	1	20	1260	1980			720	1	20	ROOMS A207 & A209	R	38
39			1	20						1	20			40
41			1	20						1	20			42

	Total	A	B	C	
TOTAL CONNECTED LOAD (A):	79.3	33.2	21.7	24.4	(AMPS/PHASE)
TOTAL CONNECTED LOAD (VA):	28,565	11,955	7,830	8,780	(VA/PHASE)

#BOLD INDICATES NEW

PROVIDE ITEMS MARKED BELOW :
- ☑ DOOR-IN-DOOR CONSTRUCTION
- ☐ SHUNT TRIP ON MAIN DEVICE
- ☐ FEED THRU LUGS
- ☐ SERVICE NEUTRAL
- ☐ ISOLATED GROUND BUS
- ☐ 200% NEUTRAL
- ☐ NEMA 3R
- ☐ OTHER:

LOAD TYPE		CONNECTED VA	CONNECTED AMPS	DEMAND VA	DEMAND AMPS
CONTINUOUS LOADS AND LIGHTING (@125%)	C	15,085	42	18,856	52
RECEPTS (1st 10kVA @100% + REST @ 50%)	R	13,480	37	11,740	33
MECH.(LARGEST @ 125% + REST @ 100%)	M				
KITCHEN EQUIP. (PER NEC TABLE 220.56)	K				
NON-CONTINUOUS LOADS (@100%)	N				
STANDBY LOADS	S				
TOTAL CONNECTED & DEMAND LOAD :		**28.57 (kVA)**		**30.60 (kVA)**	
TOTAL CONNECTED & DEMAND LOAD :		**79.29 (A)**		**84.93 (A)**	

PANELBOARD NAME: LK (NEW)

(NEW) ◉ NEW ○ EXISTING | ◉ 1 SEC ○ 2 SEC

VOLTAGE: **208Y/120V** BUS RATING: **225A** POLES: **42** MINIMUM A.I.C. RATING (A): **18,000**

PH/WIRE: **3 PHASE, 4 WIRE + GROUND** MAIN: **225A MCB** MOUNTING: **SURFACE** SERVICE: **NORMAL**

CKT NO.	LOAD TYPE	LOAD DESCRIPTION	BKR P	BKR TRIP	LOAD (VA)	PHASE LOAD (VA) A	B	C	LOAD (VA)	BKR P	BKR TRIP	LOAD DESCRIPTION	LOAD TYPE	CKT NO.
1	C	EXISTING	1	20	530	1480			950	1	20	EXISTING	C	2
3	C	EXISTING	1	20	670		1030		360	1	20	EXISTING	C	4
5	C	EXISTING	1	20	530			890	360	1	20	EXISTING	C	6
7	C	EXISTING	1	20	845	1565			720	1	20	EXISTING	C	8
9	C	EXISTING	1	20	1000		1360		360	1	20	EXISTING	C	10
11	C	EXISTING	1	20	950			1670	720	1	20	EXISTING	C	12
13	C	EXISTING	1	20	360	1360			1000	1	20	EXISTING	C	14
15	C	EXISTING	1	20	360		1080		720	1	20	EXISTING	C	16
17	C	EXISTING	1	20	720			1620	900	1	20	EXISTING	C	18
19	C	EXISTING	1	20	1000	1950			950	1	20	EXISTING	C	20
21	C	EXISTING	1	20	720		1080		360	1	20	EXISTING	C	22
23	R	EXISTING	1	20	900			1620	720	1	20	EXISTING	R	24
25	R	EXISTING	1	20	950	1950			1000	1	20	EXISTING	R	26
27	R	EXISTING	1	20	360		1080		720	1	20	EXISTING	R	28
29	R	EXISTING	1	20	360			1260	900	1	20	EXISTING	R	30
31	R	EXISTING	1	20	720	1670			950	1	20	EXISTING	R	32
33	R	EXISTING	1	20	1000		2200		1200	1	20	EXISTING	R	34
35	R	EXISTING	1	20	720			1720	1000	1	20	EXISTING	R	36
37	R	ROOMS A200 & A202	1	20	360	1260			900	1	20	ROOMS A202 & A204	R	38
39	R	ROOMS A206 & A208	1	20	1260		1260			1	20			40
41			1	20						1	20			42

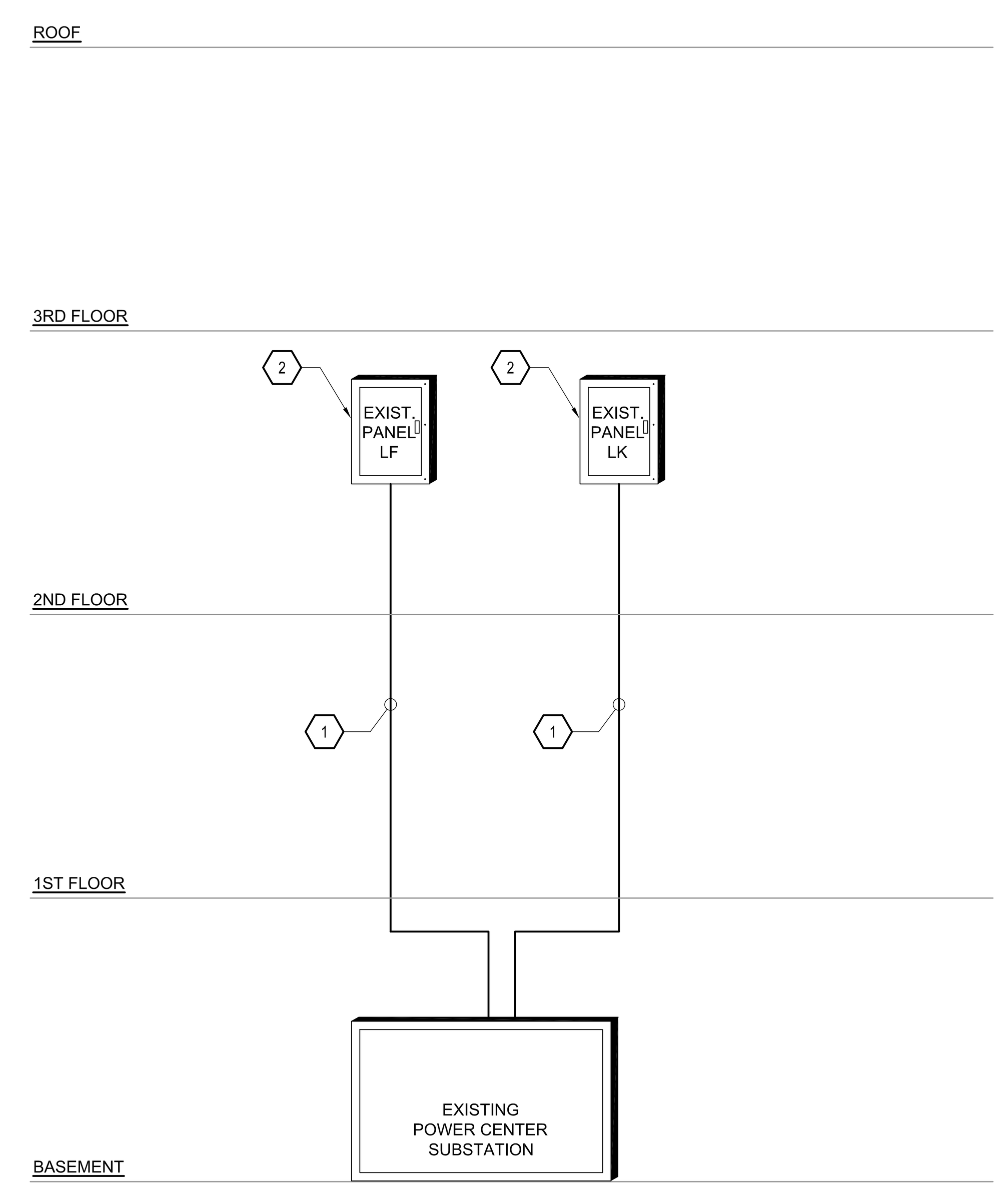
	Total	A	B	C	
TOTAL CONNECTED LOAD (A):	80.8	31.2	25.2	24.4	(AMPS/PHASE)
TOTAL CONNECTED LOAD (VA):	29,105	11,235	9,090	8,780	(VA/PHASE)

#BOLD INDICATES NEW

PROVIDE ITEMS MARKED BELOW :
- ☑ DOOR-IN-DOOR CONSTRUCTION
- ☐ SHUNT TRIP ON MAIN DEVICE
- ☐ FEED THRU LUGS
- ☐ SERVICE NEUTRAL
- ☐ ISOLATED GROUND BUS
- ☐ 200% NEUTRAL
- ☐ NEMA 3R
- ☐ OTHER:

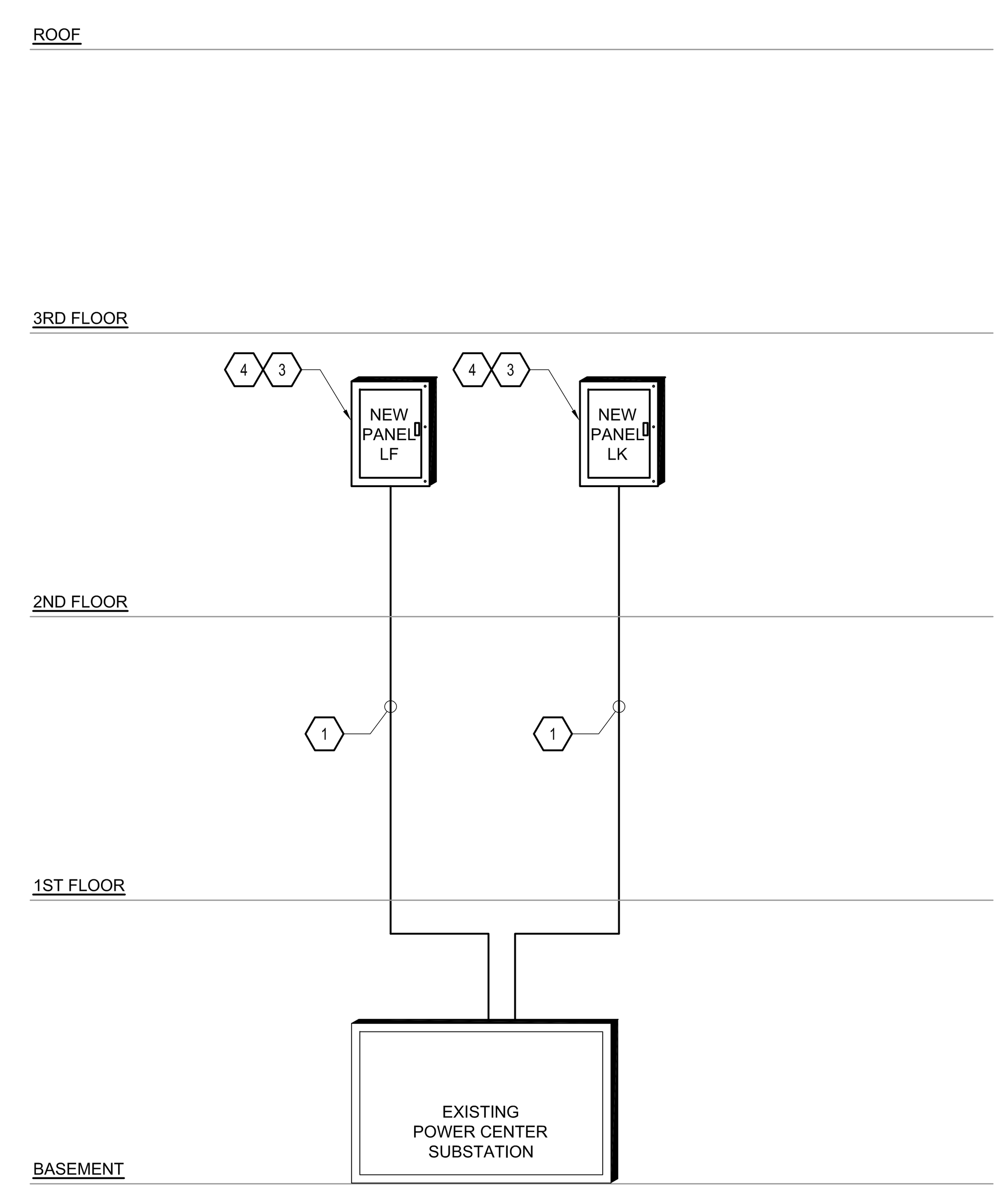
LOAD TYPE		CONNECTED VA	CONNECTED AMPS	DEMAND VA	DEMAND AMPS
CONTINUOUS LOADS AND LIGHTING (@125%)	C	15,085	42	18,856	52
RECEPTS (1st 10kVA @100% + REST @ 50%)	R	14,020	39	12,010	33
MECH.(LARGEST @ 125% + REST @ 100%)	M				
KITCHEN EQUIP. (PER NEC TABLE 220.56)	K				
NON-CONTINUOUS LOADS (@100%)	N				
STANDBY LOADS	S				
TOTAL CONNECTED & DEMAND LOAD :		**29.11 (kVA)**		**30.87 (kVA)**	
TOTAL CONNECTED & DEMAND LOAD :		**80.79 (A)**		**85.68 (A)**	

1



1 EXISTING POWER RISER DIAGRAM

SCALE: N.T.S.



2 NEW POWER RISER DIAGRAM

SCALE: N.T.S.

1

GENERAL NOTES

1. SEE DRAWING E001 FOR ELECTRICAL SYMBOLS, GENERAL NOTES AND ABBREVIATIONS.

SPECIFIC NOTES

1. EXISTING MAIN FEEDER TO REMAIN AND REUSED. CONTRACTOR SHALL VERIFY EXISTING MAIN FEEDER SOURCE PRIOR TO COMMENCING ANY WORK.
2. DISCONNECT AND REMOVE EXISTING PANEL, EXISTING MAIN FEEDER AND BRANCH CIRCUITS TO REMAIN.
3. PROVIDE NEW PANEL IN PLACE OF EXISTING PANEL, SEE NEW PANEL SCHEDULE ON THIS DRAWING. RECONNECT EXISTING MAIN FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
4. PROVIDE NEW PANEL DIRECTORY.

THE SCHOOL DISTRICT OF PHILADELPHIA

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R. JEFFREY STRAUB, AIA PENNSYLVANIA DATE 03/29/2018

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NO.	DATE	REVISION
10		
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1	05/09/18	ADDENDUM 1

SCHOOL & LOCATION

JOHN H. WEBSTER

3400 FRANKFORD AVENUE,
PHILADELPHIA, PA 19134

PROJECT TITLE

CLASSROOM MODERNIZATION

ELECTRICAL PANELBOARD SCHEDULES

LOCATION NO.	FILE NO.
DRAWN BY CS/MH	CHECKED BY VA/EN

B-051C OF 2017 / 18
B-054C OF 2017 / 18

DRAWING NO.
E401

SHEET OF