THE SCHOOL DISTRICT OF PHILADELPHIA BOARD OF EDUCATION Office of Capital Programs 440 North Broad Street, Third Floor - Suite 371 Philadelphia, PA 19130-4015

TELEPHONE: (215) 400-4730

Addendum No. 01

Subject: Marin Classroom Modernization Project B-024C, B-025C of 2018/19

Location: Marin Elementary School 3rd and Ontario Streets Philadelphia, PA 19140

This Addendum, **dated February 2^h, 2019**, 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.

- 1. <u>Drawings and Specifications Revised by Narrative and by Drawing Reissue:</u> Note drawing text deletions are shown with strikethrough, drawing text additions are shown in **bold**
 - a. AD101: ENLARGED DEMO PLAN

DETAIL 1 IS REVISED, SEE AD101 REV 1 ISSUED WITH THIS ADDENDUM.

b. <u>A101: 120,201,202,203,204,205,206,215&217 NEW WORK</u>

DETAIL 1 IS REVISED, SEE A101 REV 1 ISSUED WITH THIS ADDENDUM.

c. A300: CASEWORK SCHEDULE:

The Casework Schedule is revised as follows:

THE BASIS OF DESIGN CABINET SHALL BE CAMPBELL RHEA "EMPIRE" FULL FLUSH OVERLAY WITH SOLID WOOD EDGING. DELETE REFERENCES TO "SIGNATURE" STYLE CABINETS.

THE BASIS OF DESIGN MODEL FOR CABINET TYPE CT1 IS CHANGED TO 5866, 35-1/4" (W) X 84" (H) X 22-1/2" (D)

THE QUANTITIES AND TYPES OF WALL RAILS AND COAT HOOKS ARE REVISED

THE ABOVE CHANGES TO THE CASEWORK SCHEDULE ARE SHOWN IN THE REVISED A300-Rev 1 DRAWING ISSUED WITH THIS ADDENDUM.

ADD TO SCHEDULE AN ADDITIONAL 8 (EIGHT) CT1 CABINETS TO BE PROVIDED ONE IN EACH OF ROOMS 201, 202, 203, 204, 205, 206, 215, 217.

THE ABOVE CHANGE IS REQUIRED BUT NOT YET SHOWN IN THE SCHEDULE OR

DRAWINGS.

d. A300: WALL EQUIPMENT SCHEDULE:

The Wall Equipment Schedule is revised as follows:

DELETE ALL THE NOTES UNDER THE "COMMENTS" COLUMN OF THE SCHEDULE.

Work in connection with Display Boards shall be conducted as follows:

IPBS SHALL BE SUPPLIED AND INSTALLED BY OTHERS UNDER THE DIRECTION OF THE SDP. PROVIDE BLOCKING FOR IPBS AS NECESSARY AND AS INDICATED IN THE DRAWINGS.

MARKERBOARDS AND TACKBOARDS SHALL BE SUPPLIED BY THE SDP AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH OTHER PRIME CONTRACTORS AND FIELD VERIFY FOR THE BOARDS AND ADVISE SDP OF ANY DISCREPANCY OR INTERFERENCES AFFECTING THE DESIGN INTENT.

MARKERBOARD AND TACKBOARD INSERTS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR

THE ABOVE CHANGES TO THE WALL EQUIPMENT SCHEDULE ARE SHOWN IN THE REVISED A300-Rev 1 DRAWING ISSUED WITH THIS ADDENDUM.

e. A300: CASEWORK DETAIL:

Delete "WALL CABINET & COAT HOOK" details

Add "WALL CABINET & WALL HOOK DETAIL" and "WALL CABINET & WALL HOOK DETAIL, ENLARGED"

THE ABOVE CHANGES TO THE CASEWORK DETAILS ARE SHOWN IN THE REVISED A300-Rev 1 DRAWING ISSUED WITH THIS ADDENDUM.

f. A300: SPECIALTY EQUIPMENT SCHEDULE:

The Specialty Equipment Schedule is revised as follows:

VOLTAGES OF NEW EQUIPMENT SHALL BE 120V FOR REFRIGERATOR AND CABINET HOOD; 208V FOR RANGE.

Add CABINET HOOD ACCESSORY JXHC1 POWER CORD KIT

Add RANGE ACCESSORY POWER CORD AND PLUG

THE ABOVE CHANGES TO THE SPECIALTY EQUIPMENT SCHEDULE ARE SHOWN IN THE REVISED A300-Rev 1 DRAWING ISSUED WITH THIS ADDENDUM.

g. A302: INTERIOR ELEVATIONS

DETAILS 5, 9, 13, 17, 20 ARE REVISED, SEE A302 REV 1 ISSUED WITH THIS

ADDENDUM.

h. A303: INTERIOR ELEVATIONS

DETAILS 1, 5, 9, ARE REVISED, SEE A303 REV 1 ISSUED WITH THIS ADDENDUM.

i. A600: FINISH SCHEDULE:

The Finish Schedule is revised as follows:

DELETE REFERENCE TO LAMINATE FINISHES. NO LAMINATE FINISHES ARE REQUIRED.

j. ED101.0: FIRST FLOOR DEMOLITION PLAN

For changes see drawing ED101.0 Rev1 dated 2/8/19 issued with this Addendum.

k. ED102.0: SECOND FLOOR DEMOLITION PLAN

For changes see drawing ED102.0 Rev1 dated 2/8/19 issued with this Addendum.

I. E101.0: FIRST FLOOR POWER & SYSTEMS PLAN

For changes see drawing E101.0 Rev1 dated 2/8/19 issued with this Addendum.

m. E502.0: PANEL SCHEDULES

For changes see drawing E502.0 Rev1 dated 2/8/19 issued with this Addendum.

- 2. Questions and Clarifications
 - .1 Question: Will another manufacture besides Campbell Rhea be accepted?

<u>Response</u>: Campbell Rhea is the Basis of Design manufacturer. Manufacturers providing equal products may be submitted for review

.2 <u>Question:</u> Can MBE/WBE requirements be reduced to a combined goal?

Response: Combined 15/20% Goal already included in the Bidding Documents

.3 **<u>Question:</u>** Please provide a spec for Electrostatic painting.

<u>Response</u>: Specification SECTION 105115: ELECTROSTATIC PAINTING already included in the Technical Specifications.

.4 <u>Question:</u> Spec 101100 Visual Display, 1.2.A, Markerboard and Tackboard infills by GC, plans say by SDP. Who is responsible for them?

Response: See Item 1(d) of this Addendum

.5 <u>Question:</u> Please confirm all visual display boards supplied by SDP will be delivered to each location by the SDP.

Response: Yes, Owner supplied visual display boards will be delivered to the school.

.6 <u>Question:</u> Reference spec. 101100 ; Owner supplied visual display units, par. 1.3 B .3 please provide manufacturers installation details

<u>Response</u>: Proceed on the basis that the Owner supplied visual display units are similar in type to those listed in specification section 10 1100 VISUAL DISPLAY UNITS and install in accordance with the manufacturer's instructions as described in the specifications.

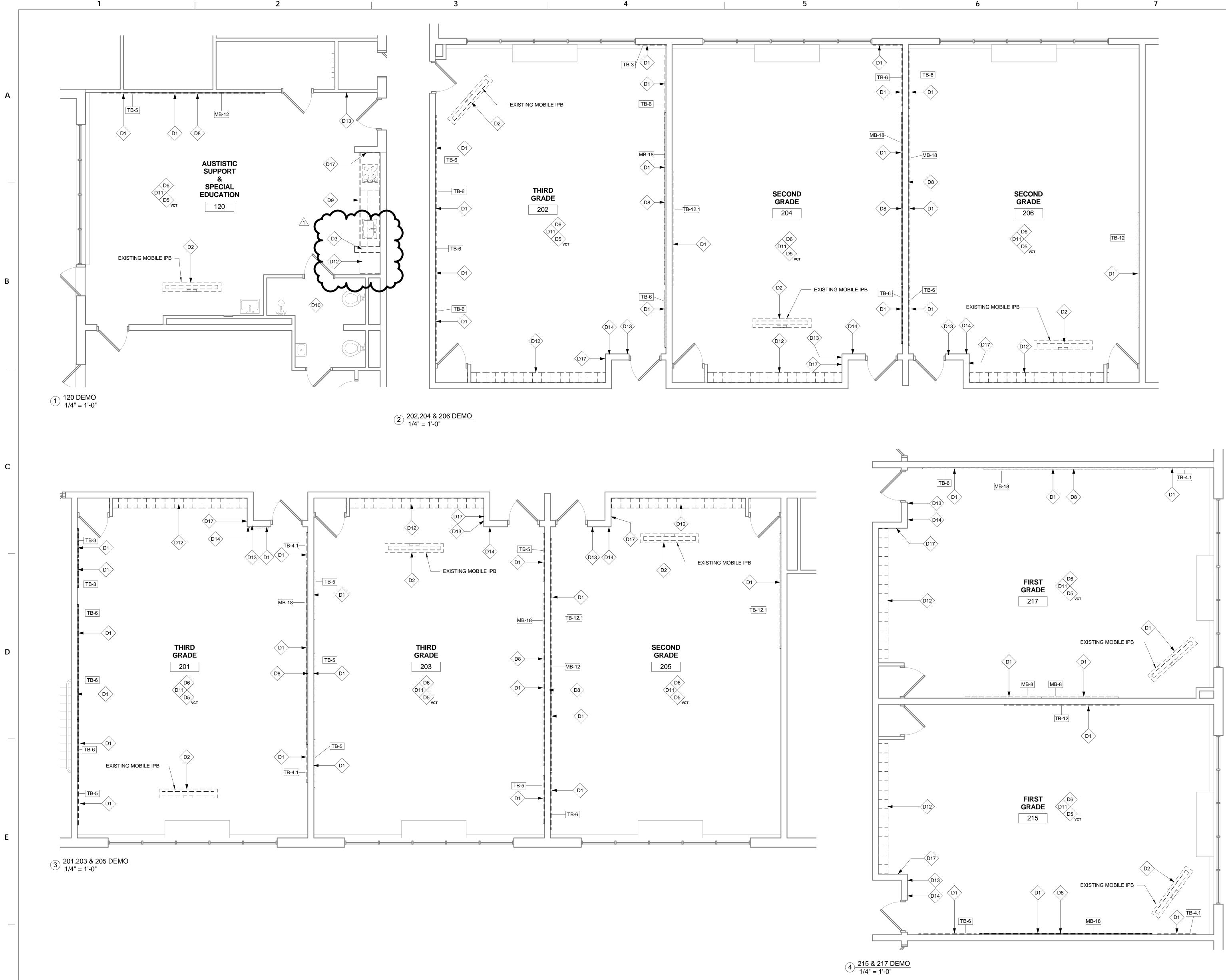
.7 <u>Question</u>: Reference Supplementary Conditions section 16, photographs. Please consider deleting this section from scope of work as it does not seem appropriate or necessary for these type of projects.

<u>**Response:**</u> : Already deleted by Section 01 1400 MODIFICATIONS TO THE GENERAL AND SUPPLEMENTARY CONDITIONS

END OF ADDENDUM NO. 1

Attachment(s)

Drawings – AD101 Rev 1 A101 Rev 1 A300-Rev1 A302-Rev1 ED101.0 Rev 1 ED102.0 Rev 1 E101.0 Rev 1 E502.0 Rev 1





DEMOLITION GENERAL NOTES

1. ALL EXISTING PARTITIONS ARE TO REMAIN U.N.O. OR SHOWN DASHED

2. DIMENSIONS ARE TO FACE OF WALL FINISH U.N.O. 3. THE CONTRACTOR SHALL DELIVER SALVAGED ITEMS TO THE SCHOOL DISTRICT OF PHILADELPHIA (SDP) AS DIRECTED.

4. DEMOLITION OF ALL WALL MOUNTED DISPLAY BOARDS, CHALKBOARDS, TACKBOARDS, ETC. SHALL BE CARRIED OUT BY THE ABATEMENT CONTRACTOR. SDP BELIEVES THAT THE ADHESIVE USED CONTAINS ASBESTOS.

5. THE G.C. OR, AS NECESSARY, THE ABATEMENT CONTRACTOR SHALL CAREFULLY DISCONNECT AND TAKE DOWN ALL SMART BOARDS AND CEILING MOUNTED SMART PROJECTORS AND TURN OVER TO SDP AS SALVAGED EQUIPMENT

6. THE CONTRACTOR SHALL, AT ALL WALL AND CEILING SURFACES TO REMAIN, PATCH OR FILL ALL VISIBLE EXISTING HOLES, CRACKS AND SIMILAR SURFACE DEFECTS. THE CONTRACTOR SHALL PATCH ANY DAMAGE DUE TO THE DEMOLITION WORK. PATCHING SHALL MATCH EXISTING ADJACENT FINISHES

7. CONTRACTOR SHALL REMOVE ALL LOOSE PAINT, TAPE, ADHESIVE, BRACKETS, HOOKS, ETC., INCLUDING ANY ON THE WALLS AND CEILING ABOVE NEW ACT 8. REMOVE ALL UNUSED OR ABANDONED CONDUIT AND

WIRE MOLD

D1	> REMOVE EC	UIPMENT ON THIS WALL, TYPE:
\checkmark	CB-X	CHALKBOARD, OFTEN INCLUDES TACKBOARD ABOVE
	MB-X	MARKERBOARD
	TB-X	TACKBOARD
	CH-X	COAT HOOKS, SHELVING, HARDWARE
		*X INDICATES LENGTH (VIF)
D2	PANEL BOAI	ID SALVAGE EXISTING INTERACTIVE RD AND PROJECTOR. REMOVE D MOUNTING EQUIPMENT
D3	> REMOVE EX	ISTING PARTITION WALL
D4	REMOVE AN FOR REINST	ID STORE TELEPHONE, TELEPHONE BOX, TALLATION
	REMOVE EX	ISTING FLOORING AND BASE, TYPE:
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	CPT	CARPET
	VCT	VINYL COMPOSITION TILE
D6	> REMOVE AC	OUSTICAL CEILING TILE AND GRID
D7	HARDWARE	ISTING DOOR AND ASSOCIATED , INCLUDING BUT NOT LIMITED TO OR CLOSERS, AND STRIKE PLATES
	REMOVE PR OTHER EQU	OJECTION SCREENS, HOOKS, AND
D9	SHELVING, I REMOVE AN	NK AND ASSOCIATED CASEWORK AND NCLUDING ANY MOUNTING BRACKETS. ID STORE ALL ACCESSORIES, INCLUDING /EL AND SOAP DISPENSERS, FOR ATION
D10	INCLUDING DISPENSER	ID STORE TOILET ACCESSORIES, SOAP DISPENSERS, PAPER TOWEL S, TOILET PAPER DISPENSERS, AND OR REINSTALLATION
D11		ISTING WINDOW SHADES, INCLUDING ING BRACKETS AT EACH WINDOW IN
D12		ISTING CASEWORK,INCLUDING ED HARDWARE
D13	REMOVE AN DISPENSER	ID REINSTALL HAND SANITIZER
D14	REMOVE EX	ISTING CLOCK
D16	> REMOVE AN	ID REINSTAL FIRE EXTINGUISHER
D17	> REMOVE PH	IONE COVER PLATES ON PHONE BOX



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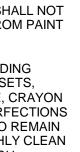
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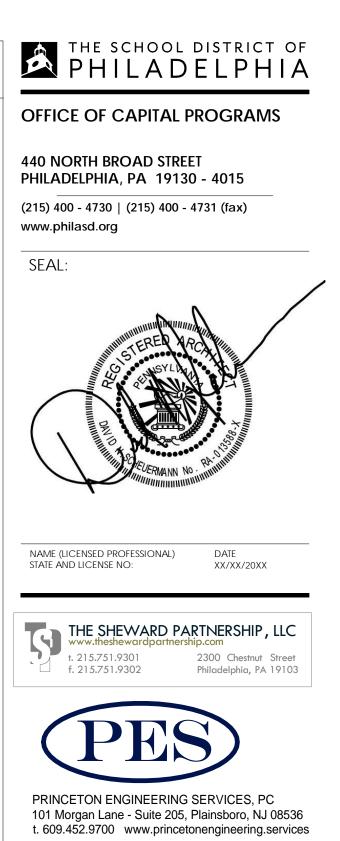
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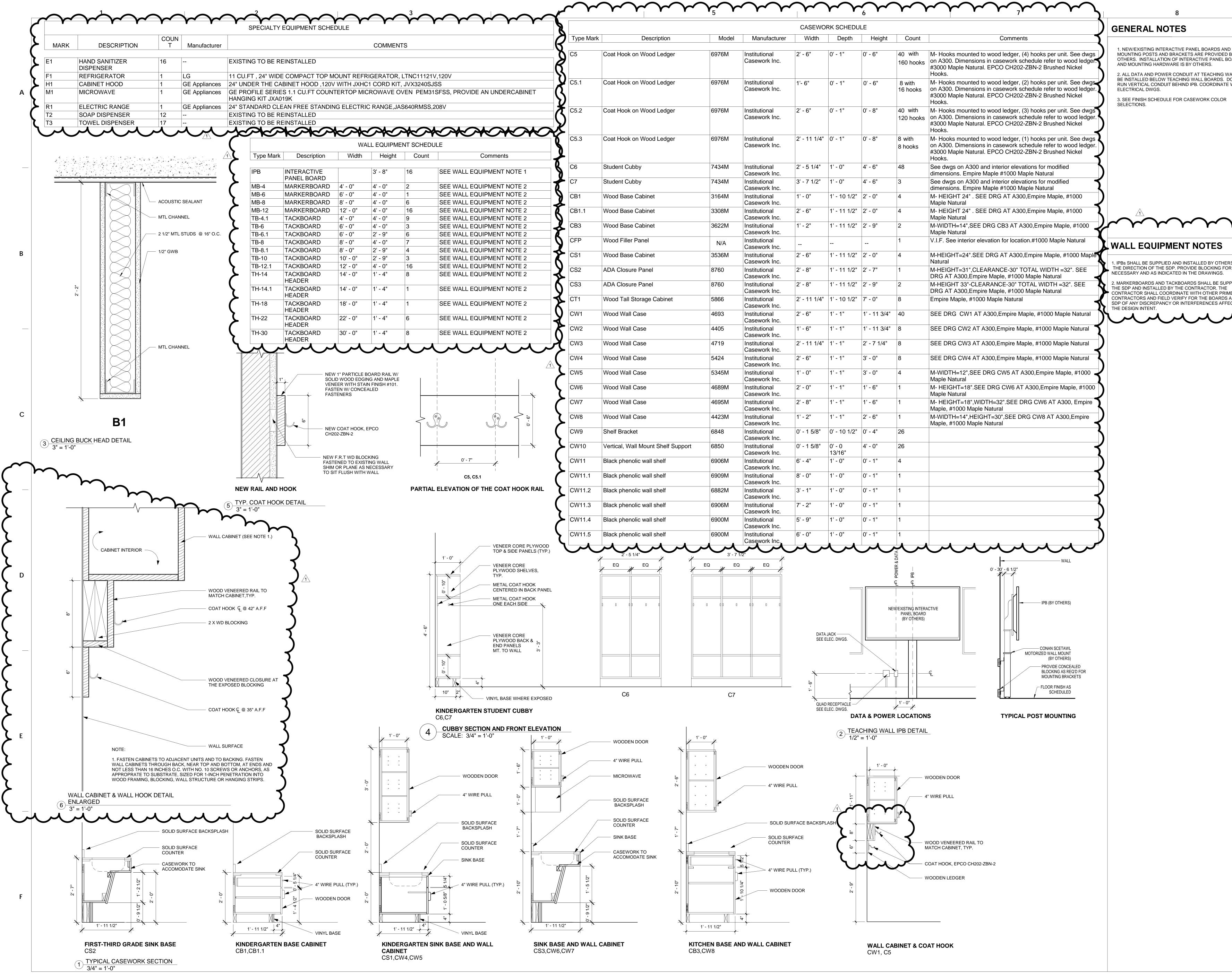
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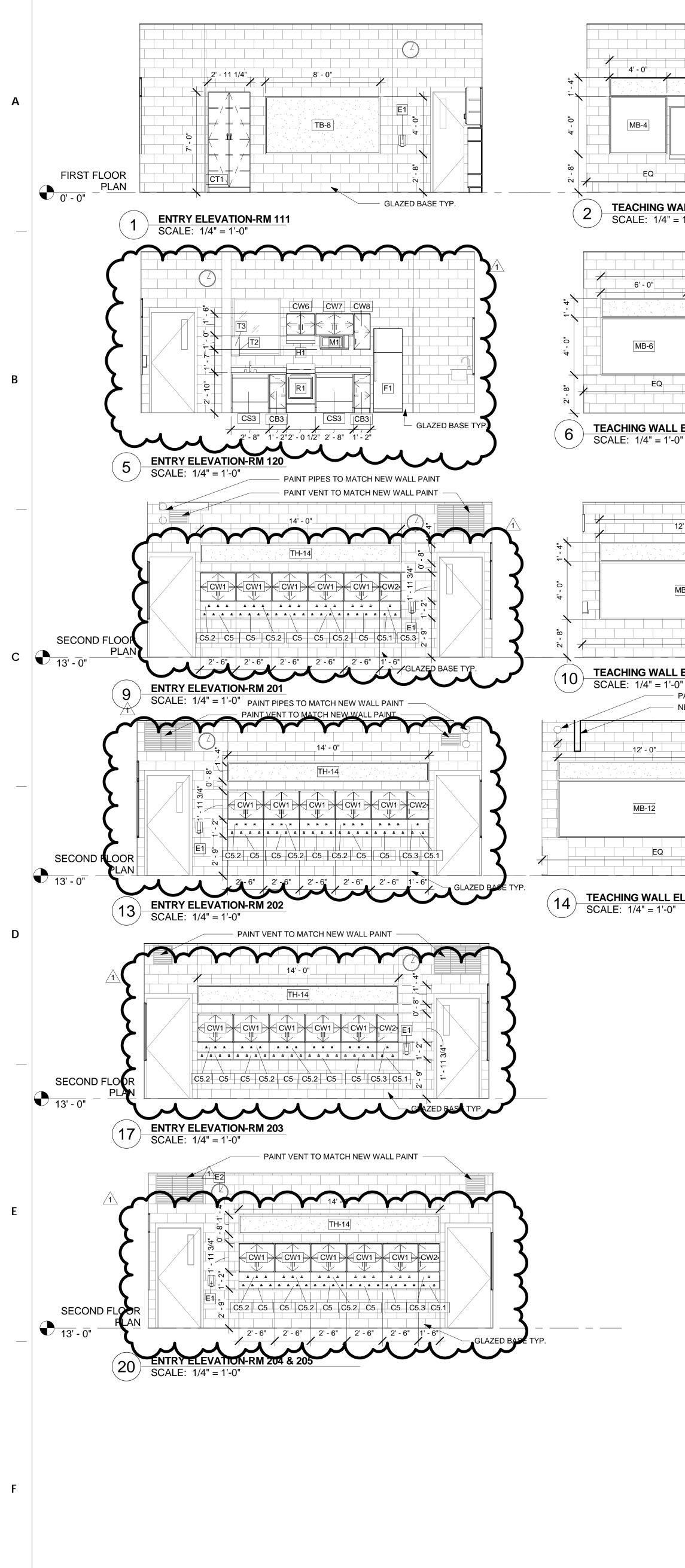
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12' - 0" 6' - 0" 12' - 0"	
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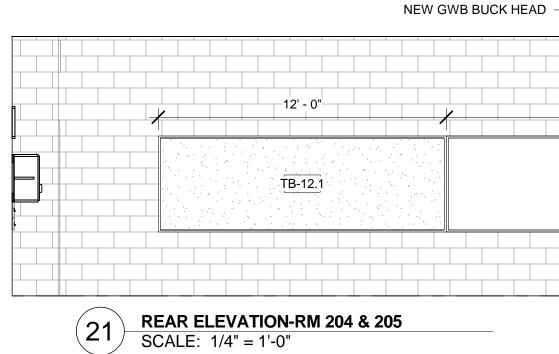
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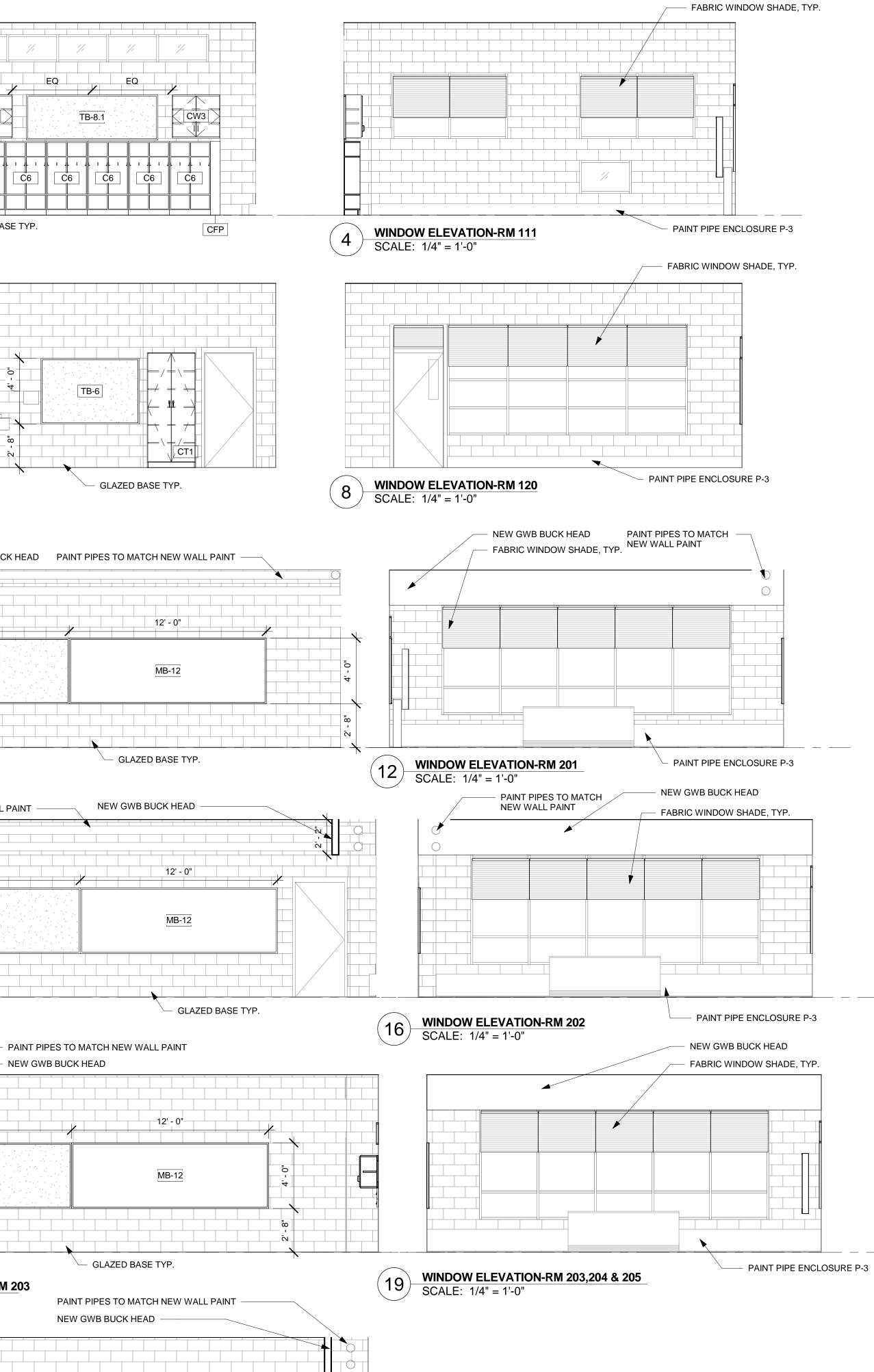
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- NEW GWB BUCK HEAD 12' - 0"____ TB-12.1 ____ GLAZED BASE TYP.

18 REAR WALL ELEVATION-RM 203 SCALE: 1/4" = 1'-0"



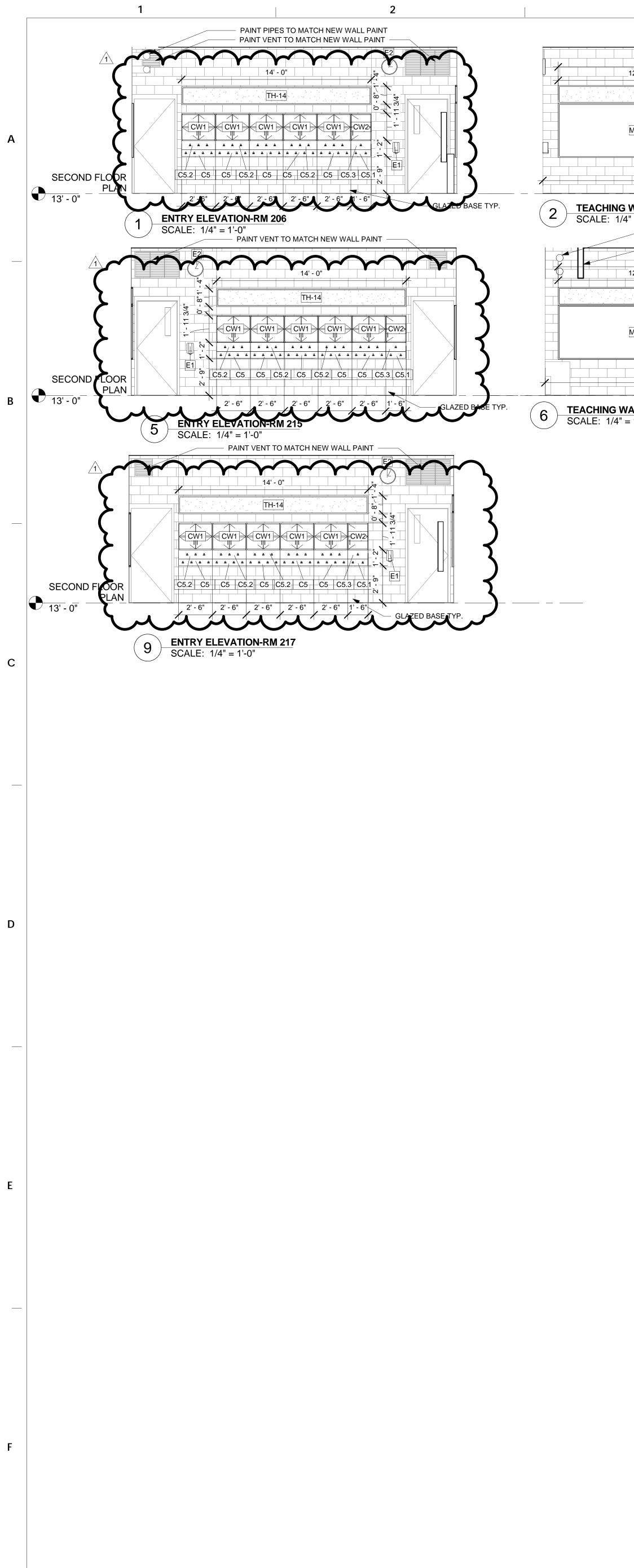


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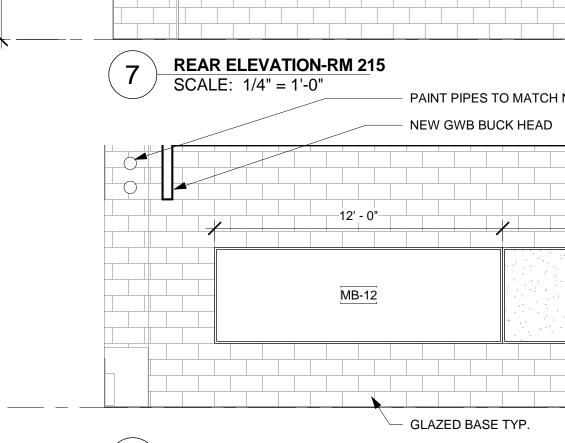
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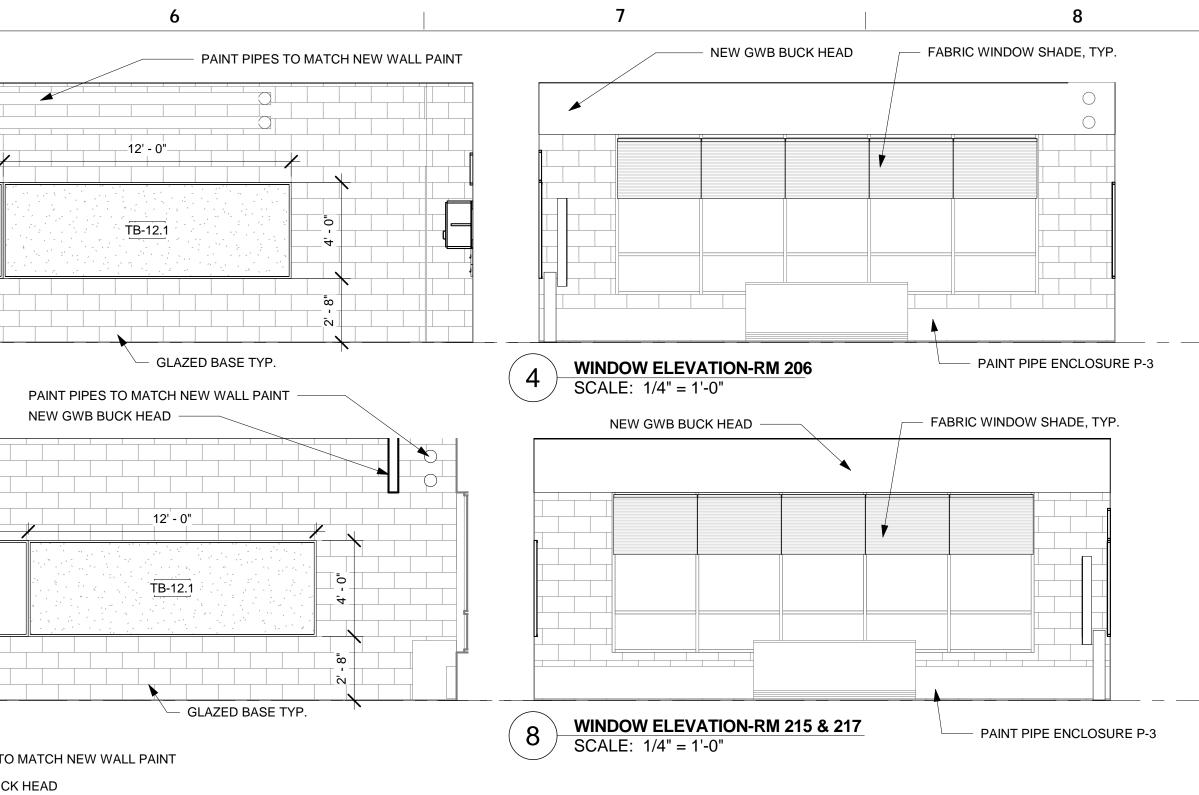
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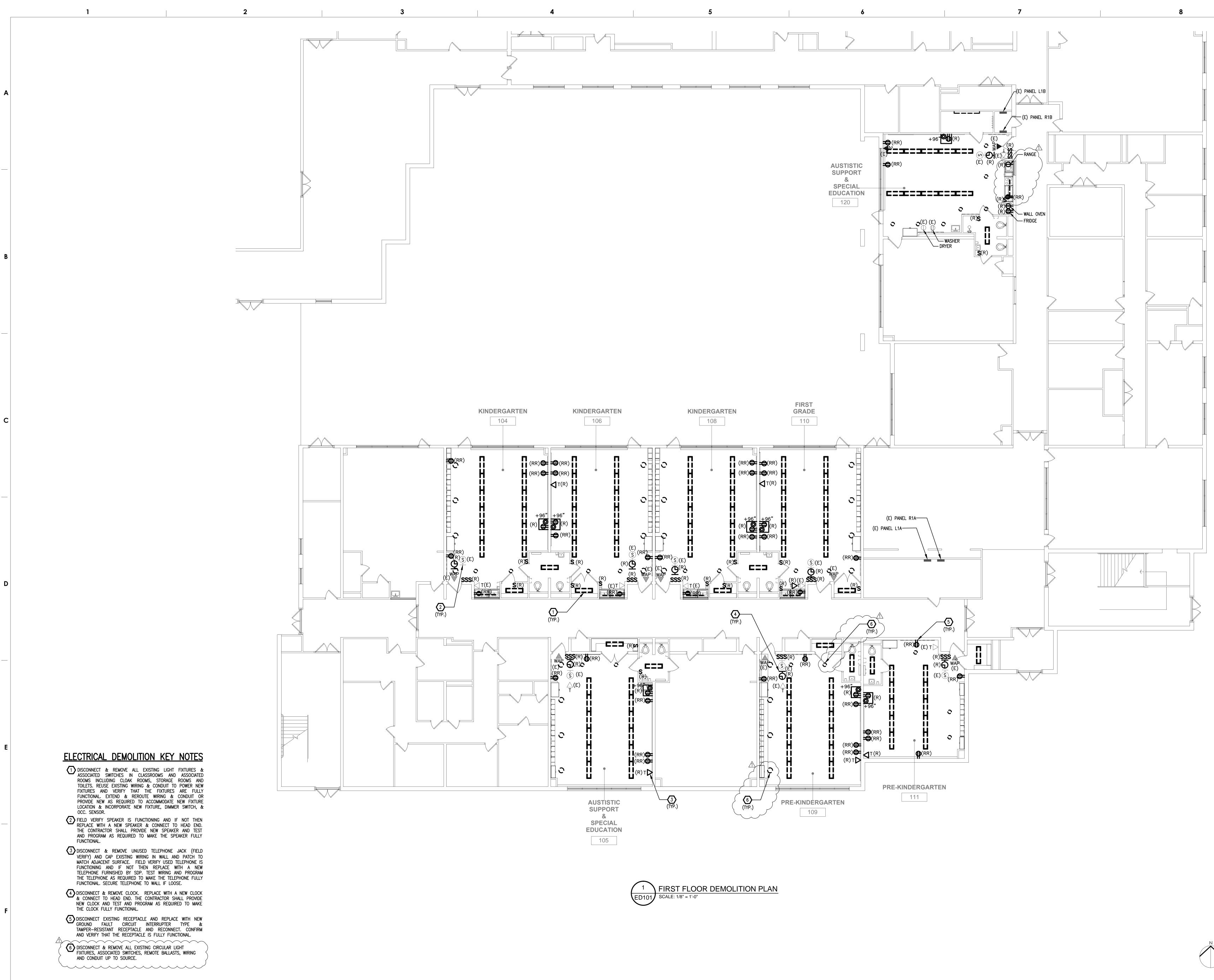
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10 REAR ELEVATION-RM 217 SCALE: 1/4" = 1'-0"

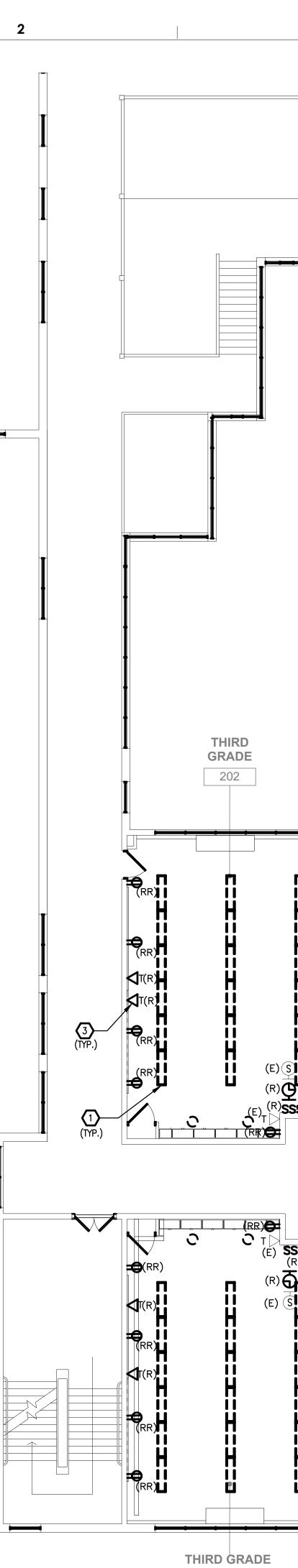


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DRAWING SCALE As Indicated LOCATION NO. XXXX DRAWN BY AGK CHECKED BY GJC GC: B-024 C OF 2018 / 19	JANUA 10 9 8 7 6 5 4 3 2 1 2/2 NO. SCHO MAR 3RD & PHIIac PROJI	RY 16TH, 2019 RY 179 RY 179 <t< td=""><td>лм 1 JM 1 ON FARY SCHOO ets, 140</td></t<>	лм 1 JM 1 ON FARY SCHOO ets, 140
As Indicated LOCATION NO. XXXX DRAWN BY AGK GC: B-024 C OF 2018 / 19	JANUA 10 9 8 7 6 5 4 3 2 1 2/2 NO. D. SCHO MAR 3RD & Philact PROJI CLASS	RY 16TH, 2019 RY 179 REVISION RY 179 REVISION RY 179 REVISION RY 179	2 JM 1 ON ARY SCHOO ets, 140
As Indicated LOCATION NO. XXXX DRAWN BY AGK GC: B-024 C OF 2018 / 19	JANUA 10 9 8 7 6 5 4 3 2 1 2/2 NO. DRAW 3RD & Philact PROJI CLASS	RY 16TH, 2019 RY 179 REVISION OL & LOCATH N ELEMENT CONTARIO STREE Interview ROOTARIO STREE SROOM MC ING TITLE	JM 1 JM 1 ON ARY SCHOO ets, 140 DERNIZATIO
XXXX XXX DRAWN BY AGK CHECKED BY GJC GC: B-024 C OF 2018 / 19	JANUA 10 9 8 7 6 5 4 3 2 1 2/2 NO. D SCHO MAR 3RD 8 Philact PROJI CLASS	RY 16TH, 2019 RY 179 REVISION OL & LOCATH N ELEMENT CONTARIO STREE Interview ROOTARIO STREE SROOM MC ING TITLE	JM 1 JM 1 ON ARY SCHOO ets, 140 DERNIZATIO
DRAWN BY AGK CHECKED BY GJC GC: B-024 C OF 2018 / 19	10 9 8 7 6 5 4 3 2 1 2 1 2 1 3 2 1 3 3 9 3 1 2 1 2 1 3 0 3 0	RY 16TH, 2019 RY 179 RY 179 <td>JM 1 JM 1 ON ARY SCHOO ets, 140 DERNIZATIO</td>	JM 1 JM 1 ON ARY SCHOO ets, 140 DERNIZATIO
AGK GJC GC: B-024 C OF 2018 / 19	JANUA 10 9 8 7 6 7 6 7 6 7 6 7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 3 NO. 0 SCHO MAR 3 RD & PROJI CLASS DRAWI ANTER DRAWIR AS INDIC	RY 16TH, 2019 RY 179 ADDENDI ATE REVISION OL & LOCATIO NELEMENT RONTARIO STREE IOR TITLE IOR TITLE IOR TITLE IOR SCALE RATE RATE RATE RATE RATE IOR SCALE RATE	2 2 3 3 3 3 3 3 3 3 3 4 3 3 4 3 3 4 3 3 4 3 4 3 4 3 4 3 4 4 5 5 4 4 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5
	JANUA 10 9 8 7 6 5 4 3 2 1 27 NO. 0 SCHO MAR 3RD 8 Philact PROJI CLASS DRAWI As Indic LOCATI XXXX	RY 16TH, 2019 RY 179 ATE REVISION OL & LOCATIO REVISION OL & LOCATIO REVISION OL & LOCATIO REVISION ON NG F X RY 17 RY 18 RY 19 RY	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3
	JANUA 10 9 8 7 6 7 6 7 6 7 6 7 1 2 1 2 1 3RD 8 PROJI CLASS DRAWI As Indic LOCATI XXXX DRAWIN	RY 16TH, 2019 RY 16TH, 2019 RY 16TH, 2019 Image: Stress st	2 2 2 3 3 3 3 3 3 3 3 4 3 3 4 3 5 5 5 5 5 5 5 5 5 5 5 5 5
	JANUA 10 10 9 8 7 6 5 4 3 2 1 27 NO. 0 SCHO MAR 3RD 8 Philact PROJI CLASS DRAWI As Indic LOCATI XXXX DRAWIN AGK	RY 16TH, 2019 RY 16TH, 2019 RY 16TH, 2019 Image: Stress s	2
	IANUA 10 9 8 7 6 5 4 3 2 1 27 0 3 2 1 27 NO. DR VO. DR VO. DR DR <tr< td=""><td>RY 16TH, 2019 RY 16TH, 2019 RY 16TH, 2019 Image: Stress s</td><td>2</td></tr<>	RY 16TH, 2019 RY 16TH, 2019 RY 16TH, 2019 Image: Stress s	2
	IANUA 10 9 8 7 6 5 4 3 2 1 2 1 2 1 2 1 3 CLASS DRAWI ASINDIA DRAWI ASINDIA DRAWI AGK GC DRAWIN AGK	RY 16TH, 2019 RY 16TH, 2019 RY 16TH, 2019 Image: Stress s	2
A303 Sheet 13 OF 27	10 9 8 7 6 5 4 3 2 1 20 1 20 1 20 1 20 1 20 1 21 20 1 21 20 1 21 22 1 21 22 1 21 22 38 9 38 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	RY 16TH, 2019 RY 16TH, 2019 RY 16TH, 2019 ATE ATE ATE ATE REVISION OL & LOCATIO N ELEMENT ONTATIO STREE ION ATE ION TITLE IOR ELEVATION ATE NG SCALE ated ON NO. F BY C ING NO. BY C C ING NO.	2 JM 1 JM 1 DN ARY SCHOO ets, 140 DERNIZATIO Ets, 140 Ets, 140 DERNIZATIO Ets, 140 Ets





THE SCHOOL DISTRICT OF
OFFICE OF CAPITAL PROGRAMS
440 NORTH BROAD STREET PHILADELPHIA, PA 19130 - 4015 (215) 400 - 4730 (215) 400 - 4731 (fax) www.philasd.org
SEAL:
REGISTERED AROPEOSIONAL SANJEEV AGARWAL
No. PEC 70557
Algang
SANJEEV AGARWAL, P.E. DATE PA PE070557 1/16/2019
THE SHEWARD PARTNERSHIP, LLCwww.theshewardpartnership.comt. 215.751.93012300 Chestnut Streetf. 215.751.9302Philadelphia, PA 19103
(PES)
PRINCETON ENGINEERING SERVICES, PC 101 Morgan Lane - Suite 205, Plainsboro, NJ 08536
t. 609.452.9700 www.princetonengineering.services
BID SUBMISSION JANUARY 16, 2019
10 9
8
7 6
5 4
3 2
1 2/22/19 ADDENDUM 1 NO. DATE REVISION
SCHOOL & LOCATION Hon. Luis Munoz-Marin
3rd 7 Ontario Street Philadelphia PA, 19140
PROJECT TITLE
CLASSROOM MODERNIZATION
DRAWING TITLE
FIRST FLOOR DEMOLITION PLAN
DRAWING SCALE AS INDICATED
LOCATION NO. FILE NO. XXXX XXX
DRAWN BY CHECKED BY NG SA
GC B-024 C OF 2018 / 19 EC B-025 C OF 2018 / 19
DRAWING NO.
ED - 101.0
SHEET 19 OF 27



201

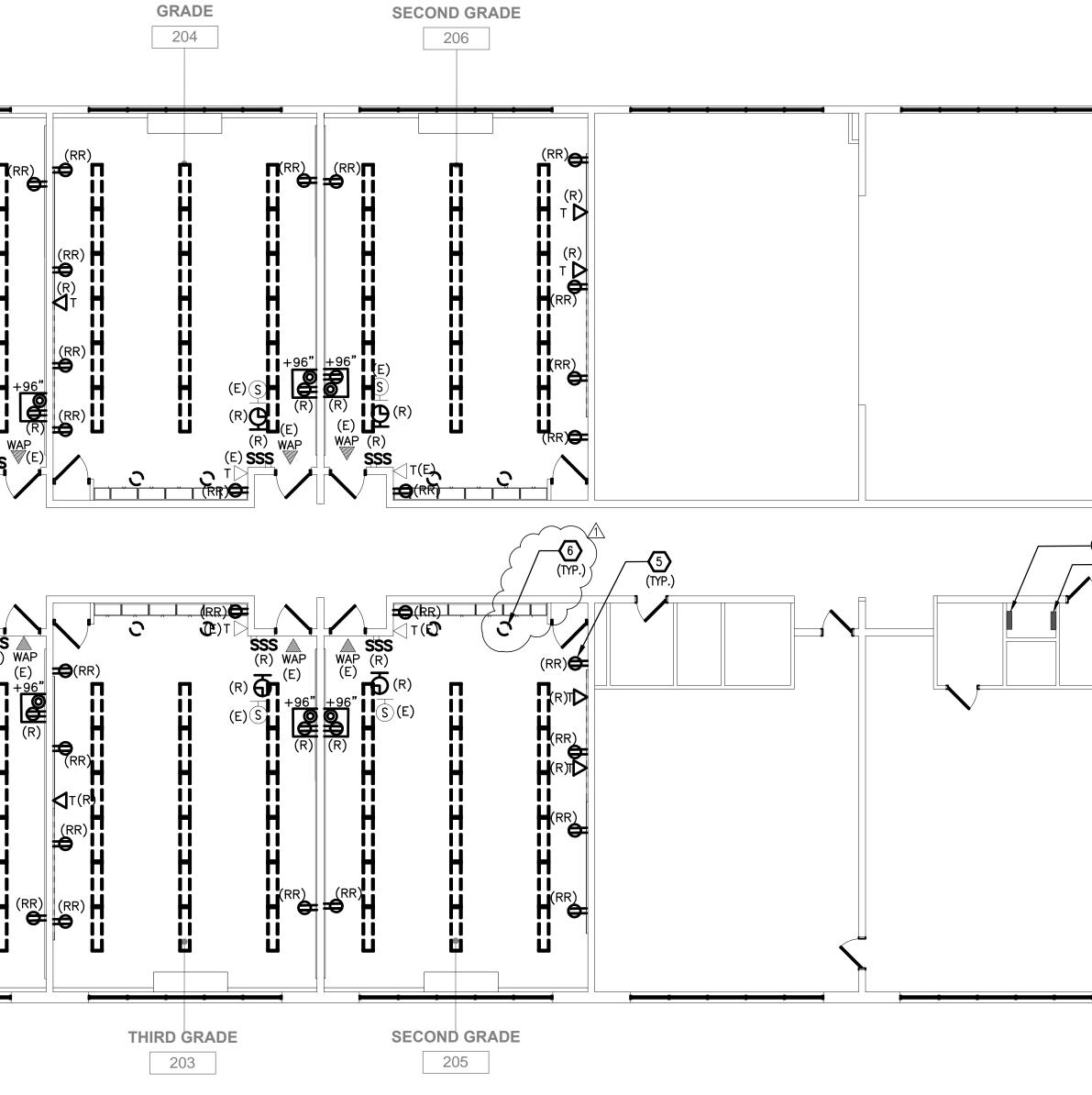
ELECTRICAL DEMOLITION KEY NOTES

1

- DISCONNECT & REMOVE ALL EXISTING LIGHT FIXTURES & ASSOCIATED SWITCHES IN CLASSROOMS AND ASSOCIATED ROOMS INCLUDING CLOAK ROOMS, STORAGE ROOMS AND TOILETS. REUSE EXISTING WIRING & CONDUIT TO POWER NEW FIXTURES AND VERIFY THAT THE FIXTURES ARE FULLY FUNCTIONAL. EXTEND & REROUTE WIRING & CONDUIT OR PROVIDE NEW AS REQUIRED TO ACCOMMODATE NEW FIXTURE LOCATION & INCORPORATE NEW FIXTURE, DIMMER SWITCH, & OCC. SENSOR.
- FIELD VERIFY SPEAKER IS FUNCTIONING AND IF NOT THEN REPLACE WITH A NEW SPEAKER & CONNECT TO HEAD END. THE CONTRACTOR SHALL PROVIDE NEW SPEAKER AND TEST AND PROGRAM AS REQUIRED TO MAKE THE SPEAKER FULLY FUNCTIONAL.
- 3 DISCONNECT & REMOVE UNUSED TELEPHONE JACK (FIELD VERIFY) AND CAP EXISTING WIRING IN WALL AND PATCH TO MATCH ADJACENT SURFACE. FIELD VERIFY USED TELEPHONE IS FUNCTIONING AND IF NOT THEN REPLACE WITH A NEW TELEPHONE FURNISHED BY SDP. TEST WIRING AND PROGRAM THE TELEPHONE AS REQUIRED TO MAKE THE TELEPHONE FULLY FUNCTIONAL. SECURE TELEPHONE TO WALL IF LOOSE.
- DISCONNECT & REMOVE CLOCK. REPLACE WITH A NEW CLOCK & CONNECT TO HEAD END. THE CONTRACTOR SHALL PROVIDE NEW CLOCK AND TEST AND PROGRAM AS REQUIRED TO MAKE THE CLOCK FULLY FUNCTIONAL.
- 5 DISCONNECT EXISTING RECEPTACLE AND REPLACE WITH NEW TAMPER-RESISTANT RECEPTACLE AND RECONNECT. CONFIRM AND VERIFY THAT THE RECEPTACLE IS FULLY FUNCTIONAL.

6 DISCONNECT & REMOVE ALL EXISTING CIRCULAR LIGHT FIXTURES, ASSOCIATED SWITCHES, REMOTE BALLASTS, WIRING AND CONDUIT UP TO SOURCE.

h



SECOND FLOOR DEMOLITION PLAN

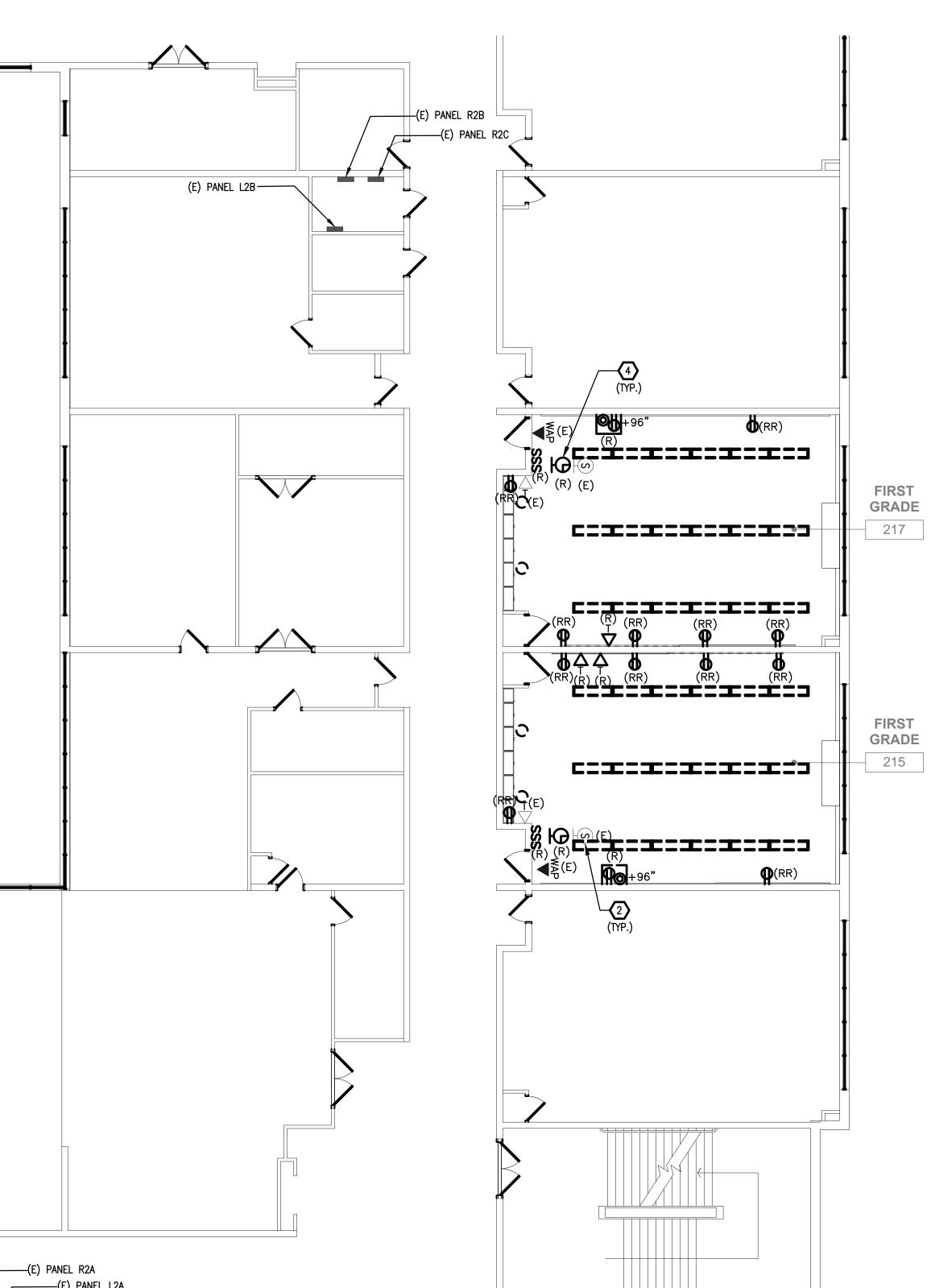
ED102 SCALE: 1/8" = 1'-0"

4

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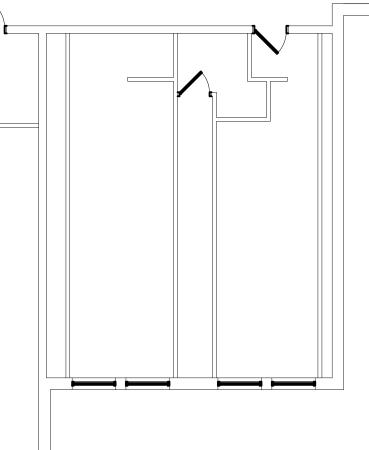
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SECOND



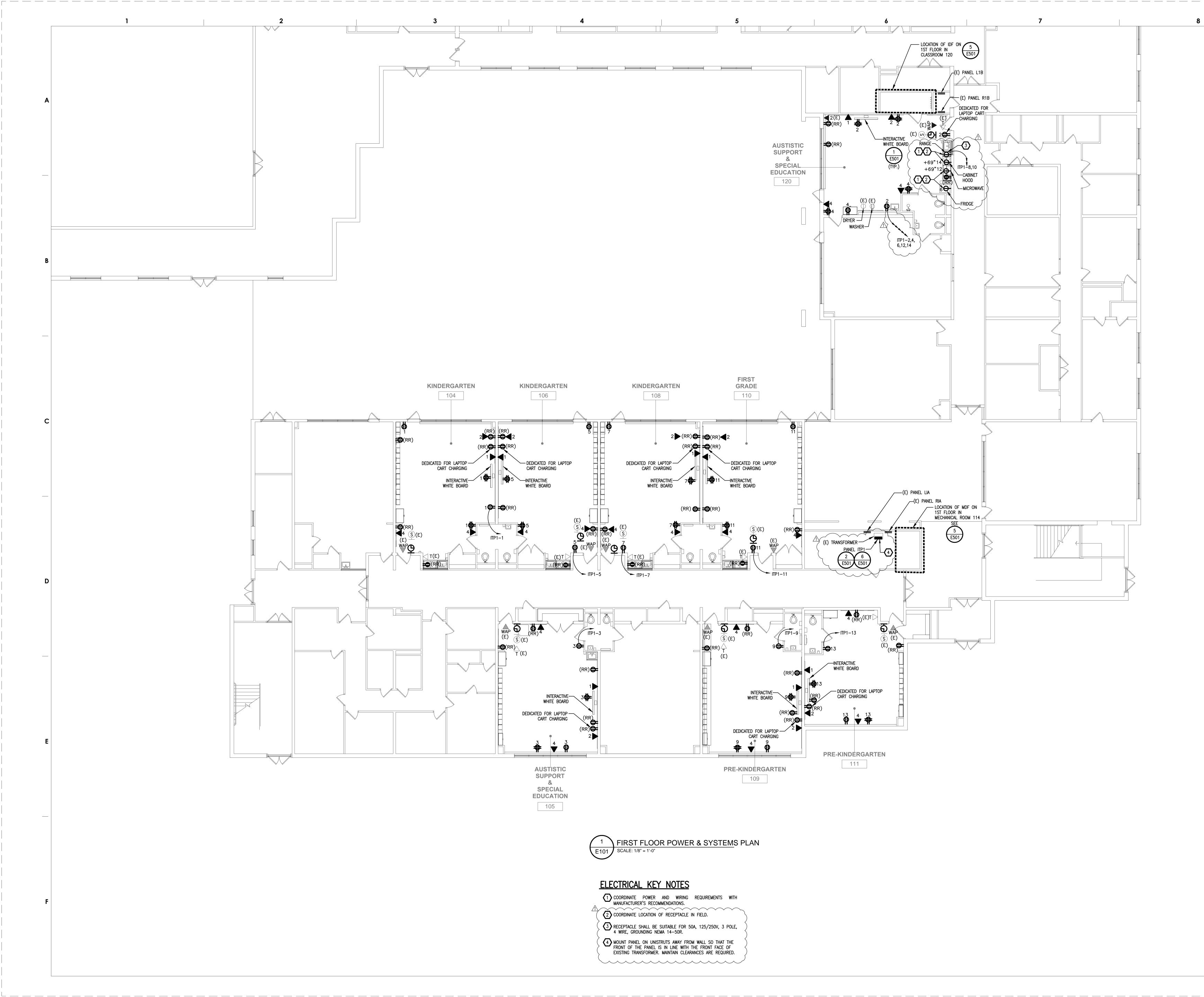
7

_____(E) PANEL L2A



THE SCHOOL DISTRICT OF
OFFICE OF CAPITAL PROGRAMS
440 NORTH BROAD STREET PHILADELPHIA, PA 19130 - 4015 (215) 400 - 4730 (215) 400 - 4731 (fax) www.philasd.org
SEAL:
NO PROFESSIONAL
SANJEEV AGARWAL
- NNSYLVA
1 grange
SANJEEV AGARWAL, P.E. DATE PA PE070557 1/16/2019
THE SHEWARD PARTNERSHIP, LLC www.theshewardpartnership.com t. 215.751.9301 f. 215.751.9302 2300 Chestnut Street Philadelphia, PA 19103
(PES)
PRINCETON ENGINEERING SERVICES, PC 101 Morgan Lane - Suite 205, Plainsboro, NJ 08536
t. 609.452.9700 www.princetonengineering.services
BID SUBMISSION
JANUARY 16, 2019
10 9
8 7
6 5
4
3 2
1 2/22/19 ADDENDUM 1 NO. DATE REVISION
SCHOOL & LOCATION
Hon. Luis Munoz-Marin 3rd 7 Ontario Street
Philadelphia PA, 19140 PROJECT TITLE
CLASSROOM MODERNIZATION
DRAWING TITLE
SECOND FLOOR DEMOLITION
PLAN
DRAWING SCALE AS INDICATED
LOCATION NO. FILE NO. XXXX XXX
DRAWN BY CHECKED BY NG SA
GC B-024 C OF 2018 / 19 EC B-025 C OF 2018 / 19
EC B-025 C OF 2018 / 19
EC B-025 C OF 2018 / 19 DRAWING NO.
EC B-025 C OF 2018 / 19

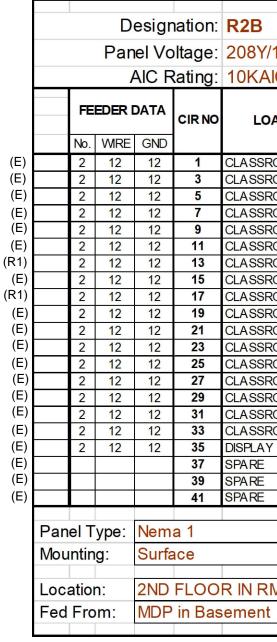
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	440 NORTH BR PHILADELPHIA, PA 215) 400 - 4730 (21 www.philc	5) 400 - 4731 (fax)
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		AGARWAL
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	EV AGARWAL, P.E. 070557	D/ 1/16/20
S	THE SHEWARD I www.theshewardpartm t. 215.751.9301 f. 215.751.9302	PARTNERSHIP, LLC ership.com 2300 Chestnut Stree Philadelphia, PA 1910
(PES	\mathbf{S}
01 N	CETON ENGINEERING lorgan Lane - Suite 205 452.9700 www.prince	5, Plainsboro, NJ 0853
SID S	UBMISSION	
	UBMISSION JARY 16, 2019	
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10 9 8 7 6 5 4 3 2 1 NO. SCH	JARY 16, 2019 JARY 17, 2019	ON
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JANI 10 9 8 7 6 5 4 3 2 1 NO. SCH Hon 3rd 7	JARY 16, 2019 JARY 17, 2019	ON - Marin
JANI 10 9 8 7 6 5 4 3 2 1 NO. SCH Hon 3rd 7 Phila	JARY 16, 2019 JARY 17, 2019 <td< td=""><td>ON -Marin</td></td<>	ON - Marin
JANI 10 9 8 7 6 5 4 3 2 1 NO. SCH Hon 3rd 7 Phila PRC	JARY 16, 2019 JARY 17, 2019 <td< td=""><td>ON -Marin 40</td></td<>	ON - Marin 40
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10 9 8 7 6 5 4 3 2 1 NO. SCH Brd 7 PRC PRC CLA	JARY 16, 2019 JARY 17, 2019 <td< td=""><td>ON -Marin 40</td></td<>	ON - Marin 40
10 9 8 7 6 5 4 3 2 1 NO. SCH Brd 7 PRC PRC CLA	JARY 16, 2019 JARY 16, 2019 Date Revision Date Revision HOOL & LOCATI DATE REVISION HOOL & LOCATI DATE REVISION Ontario Street delphia PA, 191 DJECT TITLE SSROOM MC	ON - Marin 40 DDERNIZATIO
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IANI 10 9 8 7 6 5 4 3 2 1 NO. SCH Brd 7 PRC PRC CLA DRA	JARY 16, 2019 JARY 16, 2019 JARY 16, 2019 AUDEN ADDEN	ON -Marin 40 DDERNIZATIC POWER &
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IO 9 8 7 6 5 4 3 2 1 NO. SCH India PRC ORA DRA AS IN LOCC. XXXX	JARY 16, 2019 JARY 16, 2019 JARY 16, 2019 JATE 2019 ADDEN AD	ON -Marin 40 DERNIZATIO POWER & PLAN
IANI 10 9 8 7 6 5 4 3 2 1 NO. SCH MO. SCH DRA PRC CLA DRA DRA DRA DRA DRA DRA	JARY 16, 2019	ON -Marin 40 DDERNIZATIO POWER & PLAN
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JANI 10 9 8 7 6 5 4 3 2 1 NO. SCH Jno. DRA DRA JNG GC	JARY 16, 2019	ON -Marin 40 DERNIZATIC POWER & PLAN
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IANI 10 9 8 7 6 5 4 3 2 1 NO. SCH Image: SC	JARY 16, 2019 JARY 16, 2019	ON -Marin 40 DERNIZATIO POWER & PLAN
ANI 10 9 8 7 6 5 4 3 2 1 NO. SCH Image: Second Condition PRC CLA DRA AS IN LOCC XXX> DRA NG GC EC	JARY 16, 2019 JARY 16, 2019	ON -Marin 40 DERNIZATIC POWER & PLAN

		D	esigr	nation:	R2A				Evic	ting F	anal				Main Circuit Breaker	1	00		
		Pan	el Vo	ltage:	208Y/120Volt 3 Phase	4 wir	е		LXIS	шіў г	aner				Number of Poles:		42		
		ŀ	AIC R	Rating:	10KAIC														
	FE	EDER [DATA	CIRNO	LOAD DESCRIPTION		C.B. TRIP		PHASE A	PHASE B	PHASE C	C.B. LOA	C.B. TRIP	C.B. POLE	LOAD DESCRIPTION	FE	EDER	DATA	CIR. NO.
	No.	WIRE	GND			NO.	Α	VA				DVA	Α	NO.		No.	WRE	GND	
	2	12	12	1	CLASSROOM 201+203 RECP	1	20	1260		2520		1260	20	1	CLASSROOM 202+204 RECP	2	12	12	2
	2	12	12	3	CLASSROOM 203+205 RECP	1	20	1080			2520	1440	20	1	CLASSROOM 204+206 RECP	2	12	12	4
	2	12	12	5	CLASSROOM 205+207 RECP	1	20	1260	1660			400	20	1	CLASSROOM 202 RECP SURGE	2	12	12	6
	2	12	12	7	CLASSROOM 209 RECP	1	20	900		1300		400	20	1	CLASSROOM 202 RECP SURGE	2	12	12	8
	2	12	12	9	CLASSROOM 201 RECP SURGE	1	20	400			800	400	20	1	CLASSROOM 204 RECP SURGE	2	12	12	10
	2	12	12	11	CLASSROOM 201 RECP SURGE	1	20	400	800			400	20	1	CLASSROOM 204 RECP SURGE	2	12	12	12
	2	12	12	13	CLASSROOM 203 RECP SURGE	1	20	400		800		400	20	1	CLASSROOM 206 RECP SURGE	2	12	12	14
	2	12	12	15	CLASSROOM 203 RECP SURGE	1	20	400			1660	1260	20	1	CLASSROOM 208 RECP	2	12	12	16
	2	12	12	17	CLASSROOM 205 RECP SURGE	1	20	400	1200			800	20	1	CLASSROOM 208 RECP SURGE	2	12	12	18
	2	12	12	19	CLASSROOM 205 RECP SURGE	1	20	400		800		400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	20
	2	12	12	21	CLASSROOM 207 RECP SURGE	1	20	400			800	400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	22
	2	12	12	23	CLASSROOM 209 RECP SURGE	1	20	400	800			400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	24
	2	12	12	25	BA THROOMS GFI RECP	1	20	900		1400		500	20	1	BOOK SECURITY	2	12	12	26
	2	12	12	27	WATER COOLER	1	20	500			900	400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	28
	2	12	12	29	ATC BATHROOM CONTROLLER	1	20	200	600			400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	30
	2	12	12	31	BASEBOARD HEATERS	1	20	800		1600		800	20	1	CLASSROOM 216A RECP SURGE	2	12	12	32
	2	12	12	33	HALLWAY RECP	1	20	1200			1600	400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	34
	2	12	12	35	BATHROOM UNIT HEATERS	1	20	260	260				20	1	SPARE				36
	2	12	12	37	DISPLAY CASE	1	20	400		800		400	20	1	CLASSROOM 206 RECP SURGE	2	12	12	38
				39	SPARE	1	20				360	360	20	1	CLASSROOM 214A RECP	2	12	12	40
				41	SPACE	1	20		0				20	1	SPARE				42
Do	nel T	vno:	Nem	o 1		PI		Conn.	5320	0220	8640	VA			Remarks:				
			-																
IVIo	untin	g:	Surfa	ace		lota	al Cor	necte	d Load	23	KVA	64	AMI	s					
Lo	catior	า:	2ND	FLOO	R IN RM 209B			Bu	s Size	100									
	d Fro				sement			V	oltage										

			•	ation: ltage:	208Y/120Volt 3 Phase	4 wir	e		Exi	sting P	anel				Main Circuit Breaker Number of Poles:		100 42			
		1	AIC R	ating:	10KAIC															
	FEE	EDER				C.B. POLE		C.B. LOAD	PHASE	PHASE	PHASE	C.B. LOA	C.B. TRIP	C.B. POLE	LOAD DESCRIPTION	FE	EDER	DATA	CIR. NO.	
	No.	WRE	GND			NO.	Α	VA				DVA	Α	NO.		No.	WRE	GND		
	2	12	12	1	CLASSROOM 201+203 RECP	1	20	1260		2520		1260	20	1	CLASSROOM 202+204 RECP	2	12	12	2	
	2	12	12		CLASSROOM 203+205 RECP	1	20	1080			2520	1440	20		CLASSROOM 204+206 RECP	2	12	12	4	
	2	12	12		CLASSROOM 205+207 RECP	1	20	1260	2340			1080	20		CLASSROOM 202 RECP	2	12	12	6	
	2	12	12	7	CLASSROOM 209 RECP	1	20	900		1300		400	20	1	CLASSROOM 202 RECP SURGE	2	12	12	8	
	2	12	12	9	CLASSROOM 201 RECP	1	20	1080			2160	1080	20	1	CLASSROOM 204 RECP	2	12	12	10	
	2	12	12	11	CLASSROOM 201 RECP SURGE	1	20	400	800			400	20	1	CLASSROOM 204 RECP SURGE	2	12	12	12	
	2	12	12	13	CLASSROOM 203 RECP	1	20	1080		2160		1080	20	1	CLASSROOM 206 RECP	2	12	12	14	
	2	12	12	15	CLASSROOM 203 RECP SURGE	1	20	400			1660	1260	20	1	CLASSROOM 208 RECP	2	12	12	16	
	2	12	12	17	CLASSROOM 205 RECP	1	20	1080	1880			800	20	1	CLASSROOM 208 RECP SURGE	2	12	12	18	
	2	12	12	19	CLASSROOM 205 RECP SURGE	1	20	400		800		400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	20	
	2	12	12	21	CLASSROOM 207 RECP SURGE	1	20	400			800	400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	22	
	2	12	12	23	CLASSROOM 209 RECP SURGE	1	20	400	800			400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	24	
	2	12	12	25	BATHROOMS GFI RECP	1	20	900		1400		500	20	1	BOOK SECURITY	2	12	12	26	
	2	12	12		WATER COOLER	1	20	500			900	400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	28	
	2	12	12	29	ATC BATHROOM CONTROLLER	1	20	200	600			400	20	1	CLASSROOM 208 RECP SURGE	2	12	12	30	
	2	12	12	31	BASEBOARD HEATERS	1	20	800		1600		800	20	1	CLASSROOM 216A RECP SURGE	2	12	12	32	
	2	12	12		HALLWAY RECP	1	20	1200			1600	<mark>400</mark>	20		CLASSROOM 208 RECP SURGE	2	12	12	34	
	2	12	12		BA THROOM UNIT HEA TERS	1	20	260	260				20		SPARE				36	
	2	12	12		DISPLAY CASE	1	20	400		800		400	20		CLASSROOM 206 RECP SURGE	2	12	12	38	
					SPARE	1	20				360	360	20		CLASSROOM 214A RECP	2	12	12	40	
				41	SPACE	1	20		0				20	1	SPARE				42	
			1.1																	
Pan	el T	ype:	Nem	a 1		PI	hase (Conn.	6680	10580	10000	VA			Remarks:					
Μοι	Intin	g:	Surfa	ace		Tota	al Con	necte	d Load	27	KVA	76	AM	PS						
Loc	atior	ו:	2ND	FLOO	R IN RM 209B			Bu	s Size	100										
	Fro			in Bas					oltage	208										





(R1) EXISTING BREAKER AND WIRING TO REMAIN AND SHALL BE EXTENDED (WIRING AND CONDUIT) AS REQUIRED TO FEED NEW RECEPTACLES AND LIGHTS.

			-	nation:		. 1	ire		Exis	ting P	anel				Main Circuit Breaker		00 42		
				-	208Y/120Volt 3 Phase	4 W	ne								Number of Poles:		42		
				kating:	10KAIC														
				CIR NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A		PHASE A	PHASE B	PHASE C	C.B. LOA DVA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION		EDERI		CIR. NO
	No.	WIRE	GND 12	1	CLASSROOM 213+215 RECP	1	20	1260	2700			1440	20	1	CLASSROOM 218 RECP	No.	WIRE 12	GND 12	2
		12	12	3	CLASSROOM 213+215 RECP CLASSROOM 215+217 RECP	1	20	1260	2700	1660		400	20	1	CLASSROOM 218 RECP CLASSROOM 218A RECP SURC		12	12	4
	2	12	12	5	CLASSROOM 215+217 RECP CLASSROOM 219 RECP	1	20	1260		1000	1980	400 900	20	1	CLASSROOM 218A RECP SURC	2	12	12	6
	2	12	12	7	CLASSROOM 219 RECP	1	20	900	1300		1900	400	20	1	CLASSROOM 220 RECP CLASSROOM 220 RECP SURGE		12	12	8
	2	12	12	9	CLASSROOM 221 RECP SURGE	1	20	400	1300	1300		900	20	1	CLASSROOM 220 RECP SORGE	2	12	12	10
	2	12	12	11	CLASSROOM 213 RECP SURGE	1	20	400			600	200	20	1	DAMPERS	2	12	12	12
	2	12	12	13	CLASSROOM 215 RECP	1	20	1080	1280			200	20	1	DDC's	2	12	12	14
	2	12	12	15	CLASSROOM 215 RECP SURGE	1	20	400		1120		720	20	1	CLASSROOM 227 RECP	2	12	12	16
	2	12	12	17	CLASSROOM 217 RECP	1	20	1080			1480	400	20	1	CLASSROOM 227 RECP SURGE		12	12	18
	2	12	12	19	CLASSROOM 217 RECP SURGE	1	20	400	800			400	20	1	CLASSROOM 227 RECP SURGE		12	12	20
	2	12	12	21	CLASSROOM 219 RECP SURGE	1	20	400		600		200	20	1	DDC	2	12	12	22
	2	12	12	23	CLASSROOM 219 RECP SURGE	1	20	400			1480	1080	20	1	NORTH SIDE CORRIDOR RECP	2	12	12	24
	2	12	12	25	CLASSROOM 221 RECP SURGE	1	20	400	1480			1080	20	1	WEST SIDE CORRIDOR RECP	2	12	12	26
	2	12	12	27	CLASSROOM 221 RECP SURGE	1	20	400		940		540	20	1	RECP	2	12	12	28
	2	12	12	29	CLASSROOM 223 RECP SURGE	1	20	900			1400	500	20	1	WATER COOLERS RM 223	2	12	12	30
	2	12	12	31	CLASSROOM 223 RECP SURGE	1	20	400	800			400	20	1	RECP SURGE	2	12	12	32
	2	12	12	33	CLASSROOM 216A RECP	1	20	720		1120		400	20	1	RECP SURGE	2	12	12	34
	2	12	12	35	DISPLAY CASE BY 226	1	20	700			1100	400	20	1	CLASSROOM 224 RECP SURGE	2	12	12	36
				37	SPARE	1	20		400			400	20	1	RECP SURGE	2	12	12	38
				39	SPARE	1	20			3840		3840	20	1	DIMMER BANK PANEL	2	12	12	40
				41	SPARE	1	20				0		20	1	SPARE				42
Pa	nel	Гуре:	Nem	a 1		PI	nase	Conn.	8760	10580	8040	VA			Remarks:				
	untii		Surfa			Tota	al Cor	nnected	d Load	27	KVA	76	AM	PS					
		_																	
Lo	catic	on:	2ND	FLOO	R IN RM 220C			Bu	s <mark>Si</mark> ze	100									
Fe	d Fr				ement			V	oltage	208									
10	urn	om.		III Das	bernent			•	onage	200									



(N) INDICATES EXISTING CIRCUIT SHALL BE REWIRED TO NEW RECEPTACLES AND LIGHTS.

	De	esigr	nation:	ITP1				No	w Pai	nol				Main Circuit Breaker		60		
	Pan	el Vo	ltage:	208Y/120Volt 3 Phas	se 4 w	ire		Ne	wrai	lei				Number of Poles:		18		
	F		ating:	10KAIC														
FE	EDER D	ATA	CIRNO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A		PHASE A	PHASE B	PHASE C	C.B. LOA DVA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	FE	EDER [ATA	CIR. NO.
No.	WIRE	GND			NO.	~	VA				DVA	~	NO.		No.	WIRE	GND	
2	12	12	1	CLASSROOM 104 RECP	1	20	1080	2160			1080	20	1	CLASSROOM 120 RECP	2	12	12	2
2	12	12	3	CLASSROOM 105 RECP	1	20	1080		1980		900	20	1	CLASSROOM 120 RECP	2	12	12	4
2	12	12	5	CLASSROOM 106 RECP	1	20	1080			1980	900	20	1	FRIDGE RM 120	2	12	12	6
2	12	12	7	CLASSROOM 108 RECP	1	20	1080	4280			3200	40	2	RANGE RM 120	3	8	8	8
2	12	12	9	CLASSROOM 109 RECP	1	20	1080		4280		3200	40	2		5	0	0	10
2	12	12	11	CLASSROOM 110 RECP	1	20	1080			1980	900	20	1	MICROWAVE RM 120	2	12	12	12
2	12	12		CLASSROOM 111 RECP	1	20	1080	2160			1080	20	1	CABINET HOOD RM 120	2	12	12	14
				SPARE	1	20			0			20	1	SPARE				16
			17	SPARE	1	20				0		20	1	SPARE				18
ane	el Tyr	Nem	a 1		Pł	nase (Conn.	8600	6260	3960	VA			Remarks:				
lou	nting:	Surfa	ace		Tota	al Cor	nected	d Load	19	KVA	52	AM	PS					
oca	ation:	1ST	FLOOF	R IN RM 114			Bu	s Size	125					PROVIDE PANEL WIT	H IN	TEGF	RAL T	VSS
	From						V	oltage	208									



n:	R2B				Fyic	ting P	anol				Main Circuit Breaker	1	00			
e:	208Y/120Volt 3 Phase	4 wire	Э		LAIS		anei				Number of Poles:		42			
ud.	10KAIC															
NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A	C.B. LOAD VA	PHASE A	PHASE B	PHASE C	C.B. LOA DVA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	004 6	eder (20000 NA WANKE 161	CIR. NO.	
												No.	WIRE	GND		
	CLASSROOM 213+215 RECP	1	20	1260	2700			1440	20	1	CLASSROOM 218 RECP	2	12	12	2	
	CLASSROOM 215+217 RECP	1	20	1260		1660		400	20	1	CLASSROOM 218A RECP SUR		12	12	4	(
	CLASSROOM 219 RECP	1	20	1080			1980	900	20	1	CLASSROOM 220 RECP	2	12	12	6	(
	CLASSROOM 221 RECP	1	20	900	1300			400	20	1	CLASSROOM 220 RECP SURGE		12	12	8	
	CLASSROOM 213 RECP SURGE	1	20	400		1300		900	20	1	CLASSROOM 222+224 RECP	2	12	12	10	
	CLASSROOM 213 RECP SURGE	1	20	400			600	200	20	1	DAMPERS	2	12	12	12	(
3	CLASSROOM 215 RECP SURGE	1	20	400	600			200	20	1	DDC's	2	12	12	14	(
)	CLASSROOM 215 RECP SURGE	1	20	400		1120		720	20	1	CLASSROOM 227 RECP	2	12	12	16	(
	CLASSROOM 217 RECP SURGE	1	20	400			800	400	20	1	CLASSROOM 227 RECP SURGE		12	12	18	(
)	CLASSROOM 217 RECP SURGE	1	20	400	800			400	20	1	CLASSROOM 227 RECP SURGE		12	12	20	
	CLASSROOM 219 RECP SURGE	1	20	400		600		200	20	1	DDC	2	12	12	22	(
3	CLASSROOM 219 RECP SURGE	1	20	400			1480	1080	20	1	NORTH SIDE CORRIDOR RECP	2	12	12	24	
5	CLASSROOM 221 RECP SURGE	1	20	400	1480			1080	20	1	WEST SIDE CORRIDOR RECP	2	12	12	26	(
	CLASSROOM 221 RECP SURGE	1	20	400		940		540	20	1	RECP	2	12	12	28	
)	CLASSROOM 223 RECP SURGE	1	20	900			1400	500	20	1	WATER COOLERS RM 223	2	12	12	30	
	CLASSROOM 223 RECP SURGE	1	20	400	800			400	20	1	RECP SURGE	2	12	12	32	
3	CLASSROOM 216A RECP	1	20	720		1120		400	20	1	RECP SURGE	2	12	12	34	
5	DISPLAY CASE BY 226	1	20	700			1100	400	20	1	CLASSROOM 224 RECP SURGE	2	12	12	36	(
	SPARE	1	20		400			400	20	1	RECP SURGE	2	12	12	38	(
)	SPARE	1	20			3840		3840	20	1	DIMMER BANK PANEL	2	12	12	40	(
	SPARE	1	20				0		20	1	SPARE				42	(
		Pł	nase (Conn.	8080	10580	7360	VA			Remarks:					
		Tota	al Cor	nected	d Load	26	KVA	72	AM	PS						
0	R IN RM 220C			Bu	s Size	100										
	ement			V	oltage	208										

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