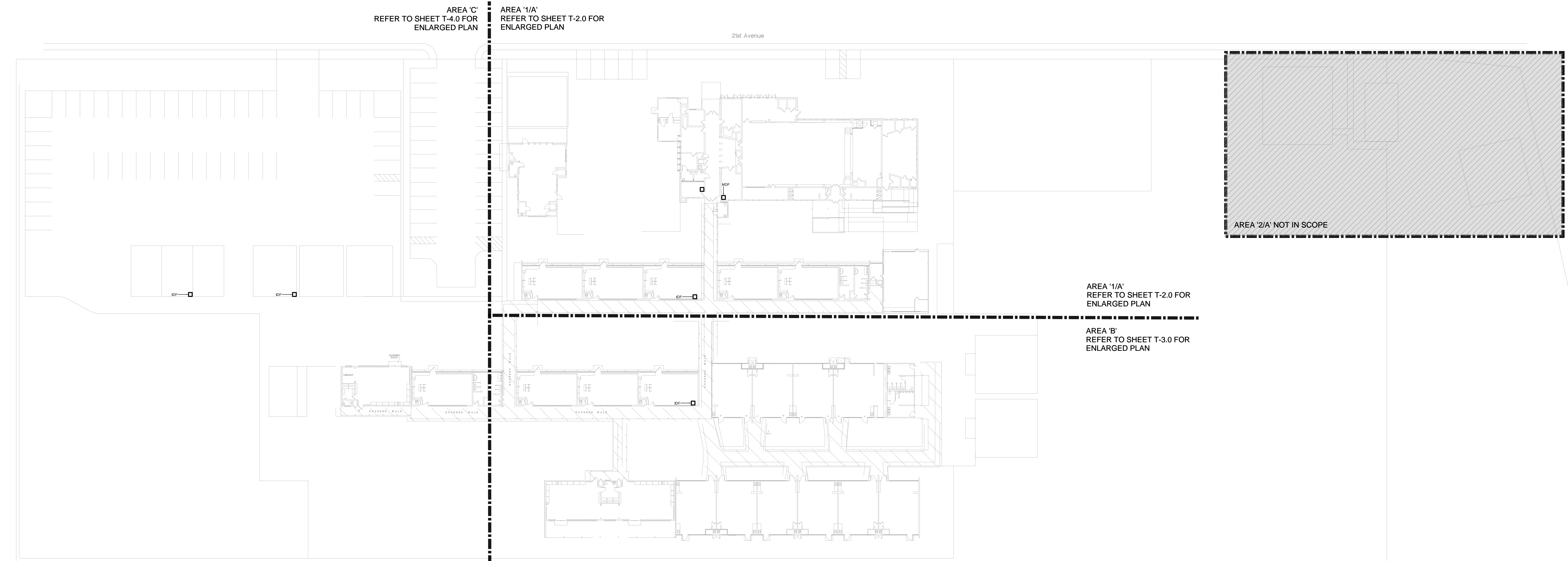


ADDENDUM NO. 1 - DRAWINGS

6/30/23



AREA 'C'
REFER TO SHEET T-4.0 FOR
ENLARGED PLAN

AREA '1/A'
REFER TO SHEET T-2.0 FOR
ENLARGED PLAN

AREA 2/A NOT IN SCOPE

AREA '1/A'
REFER TO SHEET T-2.0 FOR
ENLARGED PLAN

AREA 'B'
REFER TO SHEET T-3.0 FOR
ENLARGED PLAN

AREA 'C'
REFER TO SHEET T-4.0 FOR
ENLARGED PLAN

AREA 'B'
REFER TO SHEET T-3.0 FOR
ENLARGED PLAN

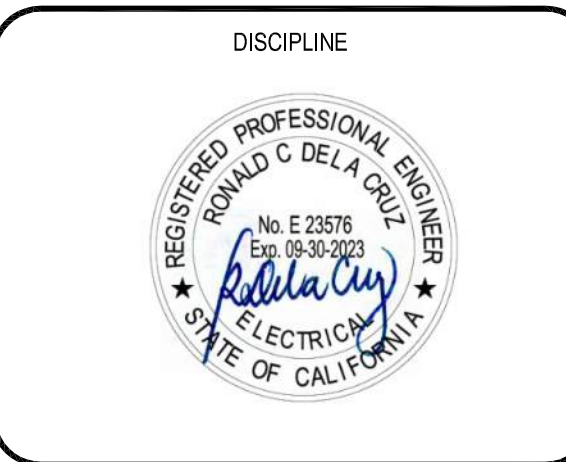
ETHEL PHILLIPS ELEMENTARY - OVERALL SITE PLAN
SCALE: 1" = 30'

ETHEL PHILLIPS E.S. TELE-CENTER UPGRADE PROJECT

2830 - 21st AVENUE
SACRAMENTO, CA



KEY PLAN
NORTH: PLAN TRUE



CLIENT
SACRAMENTO CITY U.S.D.
DATE: 06/30/23 PROJECT NUMBER: 0110-464

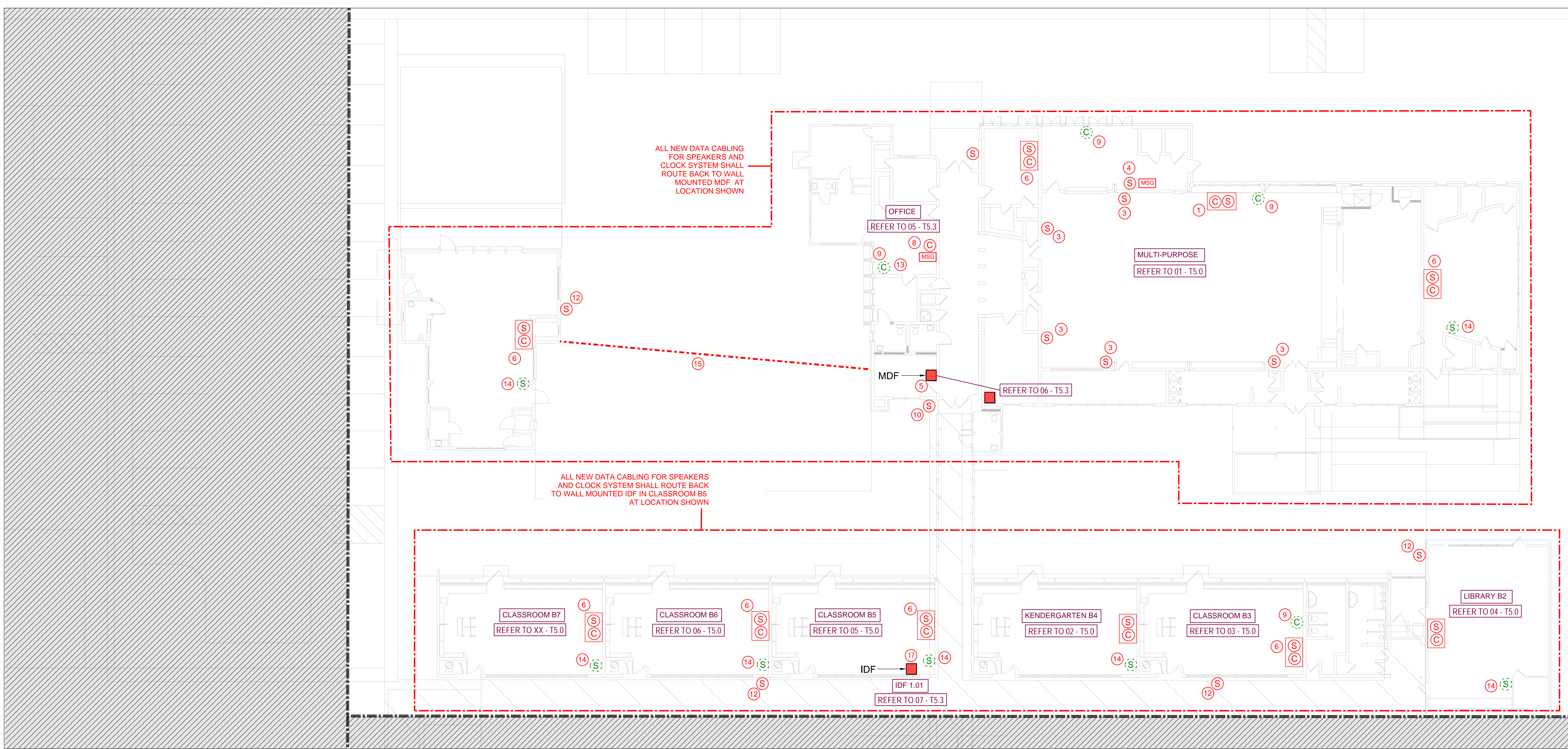
DRAWING HISTORY

No.	Description	Date
1	Issue for Bid	06/30/23

Project Status
BUILDING NUMBER

OVERALL SITE PLAN
E.PHILLIPS ES

T-1.0



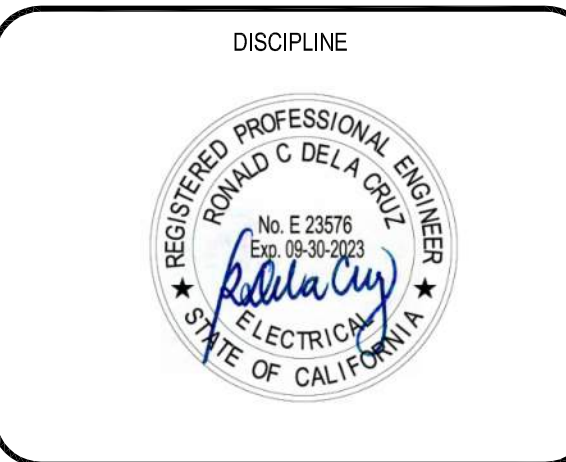
ETHEL PHILLIPS ELEMENTARY - INTERCOM PLAN - AREA '1/A'
SCALE: 3/32" = 1'-0"

INTERCOM / CLOCK KEYED NOTES:

- 1 CONTRACTOR TO REPLACE EXISTING WALL MOUNTED SPEAKER AND CLOCK AND REPLACE WITH NEW COMBO IP SPEAKER / CLOCK UNIT. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY OR PROVIDE NEW RACEWAY AS REQUIRED TO INSTALL NEW CABLING BACK TO BUILDING IDF LOCATION. PROVIDE WIREGUARD FOR NEW CLOCK.
- 2 EXISTING WALL MOUNTED CLOCK AND WIRING TO BE REMOVED. PATCH SIDE OF DUCTWORK AS REQUIRED.
- 3 NEW WALL MOUNTED SPEAKER SERVING MPR AREA. ROUTE NEW DATA CABLING FROM SPEAKER VIA NEW SURFACE MOUNTED RACEWAY BACK TO BUILDING IDF LOCATION. COORDINATE SPEAKER INSTALLATION WITH EXISTING DUCTWORK ROUTED ALONG WALL.
- 4 IN KITCHEN AREA SERVING LINE, REPLACE EXISTING SPEAKER WITH NEW SPEAKER / DIGITAL MESSAGE BOARD AND CONNECT NEW DATA CABLING BACK TO BUILDING IDF RACK.
- 5 EXISTING WALL MOUNTED IDF RACK TO REMAIN. CONTRACTOR TO INSTALL NEW CISCO 24 PORT NETWORK SWITCH AND CONNECT FIBER TO NEW GBIC MODULE IN SWITCH. ALL NEW SPEAKER / CLOCK CABLING SHALL ROUTE BACK TO THIS LOCATION AND TERMINATE ON NEW 48 PORT PATCH PANEL. CONTRACTOR TO PROVIDE PATCH CABLES ON BOTH ENDS FOR COMPLETE INSTALLATION. USE EXISTING TRIPP LITE UPS FOR POWER TO NEW NETWORK SWITCH.
- 6 INSTALL NEW WALL MOUNTED COMBO CLOCK / SPEAKER ENCLOSURE TO REPLACE EXISTING SPEAKER OR CLOCK. PATCH WALL AS REQUIRED. RE-USE EXISTING RACEWAY. INSTALL NEW DATA CABLING FROM ENCLOSURE BACK TO IDF.
- 7 REPLACE EXISTING EXTERIOR SPEAKER WITH NEW IP EXTERIOR SPEAKER. CONTRACTOR TO SEAL ALL BUILDING PENETRATIONS.
- 8 INSTALL NEW CLOCK AND MESSAGE BOARD IN FRONT OFFICE LOCATION. PROVIDE NEW SURFACE MOUNTED RACEWAY AND CABLING BACK TO IDF.
- 9 REMOVE EXISTING CLOCK AND WIRING AND REPAIR WALL.
- 10 INSTALL NEW EXTERIOR SPEAKER TO REPLACE EXISTING SPEAKER CURRENTLY INSTALLED ON UNDERSIDE OF CANOPY. CONNECT NEW DATA CABLING BACK TO IDF CLOSET
- 11 EXISTING CONDUIT FROM MODULAR BUILDING BACK TO BUILDING CAN BE RE-USED FOR INSTALLING NEW DATA CABLING FROM MODULAR BUILDINGS BACK TO EXISTING IDF RACK.
- 12 NEW EXTERIOR SPEAKER MOUNTED AS HIGH AS POSSIBLE ON WALL BELOW ROOF EDGE. ROUTE NEW CABLING FROM SPEAKER BACK INTO BUILDING AND TERMINATE AT HEADEND RACK. SEAL ALL BUILDING PENETRATIONS.
- 13 EXISTING INTERCOM WALL MOUNTED HEADEND UNIT TO BE REMOVED ALONG WITH ALL EXISTING WIRING. CONTRACTOR TO PATCH AND PAINT WALL WHERE UNIT WAS REMOVED.
- 14 REMOVE EXISTING WALL MOUNTED SPEAKER AND WIRING AND REPAIR / REPAINT WALL WHERE SPEAKER WAS REMOVED.
- 15 APPROXIMATE LOCATION OF EXISTING UNDERGROUND CONDUIT LEADING BACK TO MAIN BUILDING MDF LOCATION. ROUTE ALL NEW DATA CABLING BACK TO EXISTING MDF RACK
- 16 APPROXIMATE LOCATION OF EXISTING UNDERGROUND CONDUIT LEADING BACK TO BUILDING IDF LOCATION. ROUTE ALL NEW DATA CABLING BACK TO EXISTING IDF RACK
- 17 EXISTING WALL MOUNTED IDF RACK TO REMAIN. CONTRACTOR TO INSTALL NEW CISCO 24 PORT NETWORK SWITCH AND CONNECT FIBER TO NEW GBIC MODULE IN SWITCH. ALL NEW SPEAKER / CLOCK CABLING SHALL ROUTE BACK TO THIS LOCATION AND TERMINATE ON NEW 48 PORT PATCH PANEL. CONTRACTOR TO PROVIDE PATCH CABLES ON BOTH ENDS FOR COMPLETE INSTALLATION. CONTRACTOR IS TO INSTALL A NEW TRIPP-LITE UPS IN IDF CABINET.

GENERAL NOTES:

1. CONTRACTOR SHALL LEAVE THE EXISTING INTERCOM SYSTEM OPERATIONAL THROUGHOUT ALL PHASES OF CONSTRUCTION IF REPLACEMENT WORK IS TAKING PLACE DURING THE SCHOOL YEAR. ONCE THE NEW SYSTEM IS OPERATIONAL AND WORKING 100%, THE CONTRACTOR SHALL THEN REMOVE ANY EXISTING DEVICES AND EXISTING WIRING THAT IS NO LONGER REQUIRED FOR CAMPUS INTERCOM AND CLOCK SYSTEM TO FUNCTION.
2. THIS INTERCOM AND CLOCK REPLACEMENT PROJECT IS ALSO RESPONSIBLE FOR ALL IP NETWORK SWITCHES, DATA CABLING, PATCH PANELS, UPS EQUIPMENT AND CONDUIT PATHWAYS REQUIRED FOR A COMPLETE INSTALLATION OF THE CLOCK AND INTERCOM SYSTEM. ALL CONTRACTOR WORK SHALL BE PERFORMED BY LICENSED CONTRACTOR THAT IS CERTIFIED TO INSTALL AND SUPPORT SPECIFIC SYSTEM BEING INSTALLED SUCH AS DATA CABLING, NETWORK EQUIPMENT AND INTERCOM EQUIPMENT.
3. AT EACH HEADEND LOCATION (MDF/IDF), THE CONTRACTOR SHALL INSTALL A NEW 24 PORT, POE, CISCO SWITCH, MODEL #9300L-24P-4X-EDU WITH DNA ESSENTIALS AND 3 YEAR SERVICE AND SUPPORT LICENSING. PROVIDE AND CONFIGURE NEW 10 GB SFP-10G-T FIBER PORT AND 1 METER CABLE.
4. AT EACH IDF LOCATION, THE CONTRACTOR SHALL USE THE EXISTING TRIPP-LITE UPS UNIT INSTALLED IN THE EXISTING RACK TO SUPPORT NEW NETWORK SWITCH BEING ADDED TO RACK. CONTRACTOR IS TO INSTALL A NEW TRIPP-LITE UPS IN IDF CABINET WHERE NONE IS CURRENTLY INSTALLED.
5. CONTRACTOR SHALL BREAK OUT A NEW PAIR OF FIBER STRANDS FROM THE EXISTING INTERCONNECTIONS BETWEEN THE EXISTING MDF AND IDF CLOSETS WHICH WILL NOW BECOME THE INTERCOM/CLOCK NETWORK VLAN. THE EXISTING FIBER BACKBONE HAS AVAILABLE STRANDS BETWEEN EXISTING CLOSETS FOR THIS WORK TO HAPPEN. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE NEW FIBER PATCH CORDS AT EACH END TO CONNECT NEW FIBER TO NEW LOCAL NETWORK SWITCHES BEING INSTALLED.
6. CONTRACTOR IS RESPONSIBLE FOR PATCHING / REPAIRING / REPAINTING WALLS WHERE EXISTING SPEAKERS, CLOCKS OR RACEWAY IS BEING REMOVED AS PART OF THIS PROJECT. ANY CMU BLOCK OR BRICK WALLS THAT CANNOT BE REPAIRED WILL NEED TO HAVE METAL PLATE INSTALLED OVER OPENING AND PAINTED TO MATCH SURROUNDING WALL COLOR.
7. ALL SURFACE MOUNTED RACEWAY REQUIRED FOR INSTALLATION OF NEW INTERCOM AND CLOCK WIRING SHALL BE WIREMOLD SERIES 2300, COLOR SHALL MATCH EXISTING COLOR OF SURROUNDING ROOM.
8. ALL EXTERIOR RACEWAY SHALL BE IN RIGID CONDUIT, NO EXCEPTIONS.
9. CONTRACTOR TO INSTALL LABEL ON THE BOTTOM OF EACH DEVICE BEING INSTALLED THAT INDICATES DATA CABLING PORT NUMBER THAT DEVICE IS CONNECTED. LABEL SHALL BE WHITE WITH BLACK LETTERS AT 1/4" HEIGHT. TYPICAL FOR ALL DEVICES INSTALLED.



CLIENT
SACRAMENTO CITY U.S.D.

DATE: 06/30/23 PROJECT NUMBER: 0110-464

No.	Description	Date
1	Issue for Bid	06/30/23

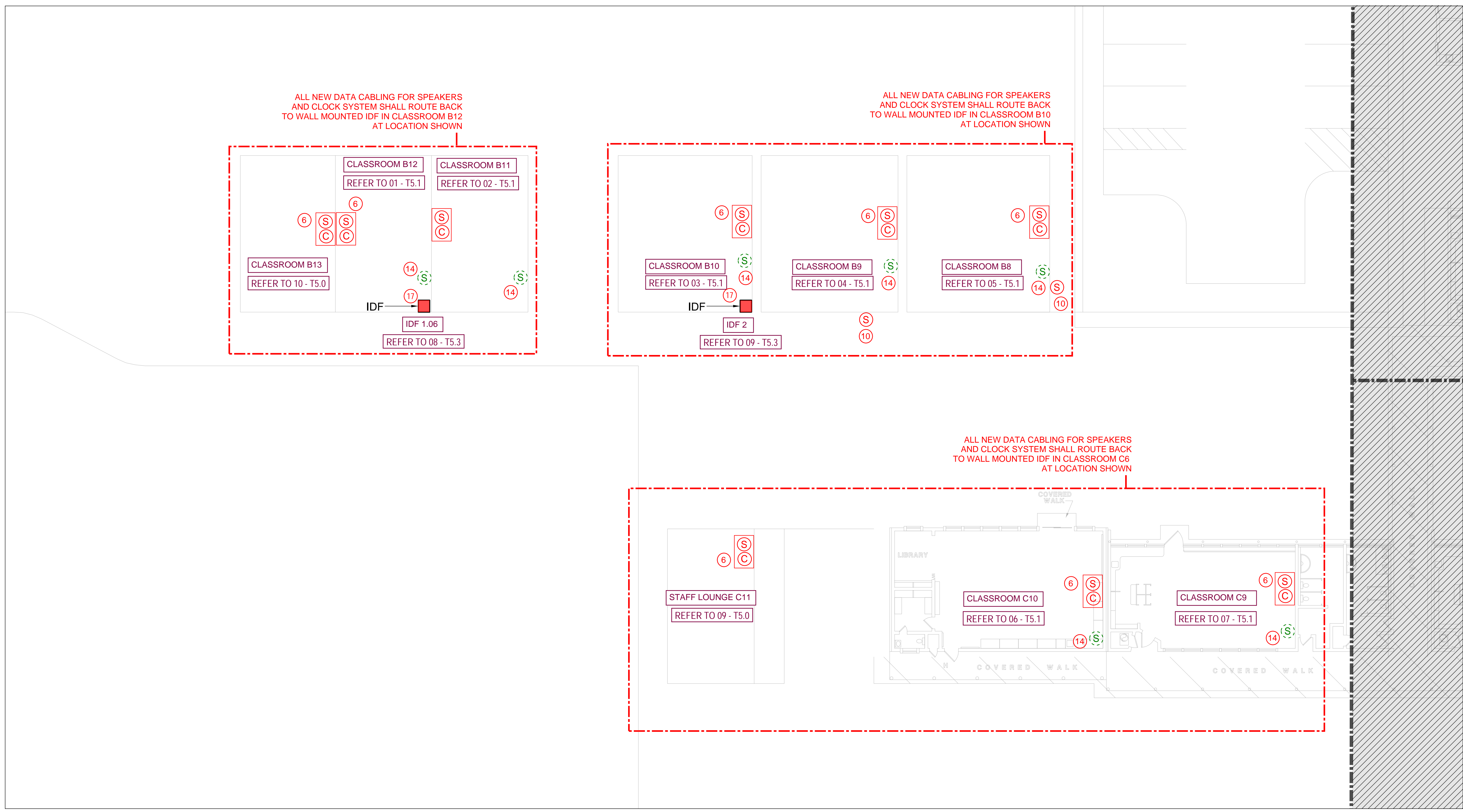
Project Status

BUILDING NUMBER

INTERCOM AREA 'A' E.PHILLIPS ES

FILE PATH: Z:\Projects\SAC\23032023\Drawings\BIM\CAD\Civil\MEP\T2023\TEMP\FOLDER DOCS\Low Voltage Drawings

CHECKED BY:
DRAWN BY:
PLOT STAMP:
5/5/2023 4:17:37 PM



ETHEL PHILLIPS ELEMENTARY - INTERCOM PLAN - AREA 'C'
SCALE: 3/32" = 1'-0"

INTERCOM / CLOCK KEYED NOTES:

1. CONTRACTOR TO REPLACE EXISTING WALL MOUNTED SPEAKER AND CLOCK AND REPLACE WITH NEW COMBO IP SPEAKER / CLOCK UNIT. CONTRACTOR TO RE-USE EXISTING SURFACE MOUNTED RACEWAY OR PROVIDE NEW RACEWAY AS REQUIRED TO INSTALL NEW CABLING BACK TO BUILDING IDF LOCATION. PROVIDE WIREGUARD FOR NEW CLOCK.
2. EXISTING WALL MOUNTED CLOCK AND WIRING TO BE REMOVED. PATCH SIDE OF DUCTWORK AS REQUIRED.
3. NEW WALL MOUNTED SPEAKER SERVING MPR AREA. ROUTE NEW DATA CABLING FROM SPEAKER VIA NEW SURFACE MOUNTED RACEWAY BACK TO BUILDING IDF LOCATION. COORDINATE SPEAKER INSTALLATION WITH EXISTING DUCTWORK ROUTED ALONG WALL.
4. IN KITCHEN AREA SERVING LINE, REPLACE EXISTING SPEAKER WITH NEW SPEAKER / DIGITAL MESSAGE BOARD AND CONNECT NEW DATA CABLING BACK TO BUILDING IDF RACK.
5. EXISTING WALL MOUNTED IDF RACK TO REMAIN. CONTRACTOR TO INSTALL NEW CISCO 24 PORT NETWORK SWITCH AND CONNECT FIBER TO NEW GBIC MODULE IN SWITCH. ALL NEW SPEAKER / CLOCK CABLING SHALL ROUTE BACK TO THIS LOCATION AND TERMINATE ON NEW 48 PORT PATCH PANEL. CONTRACTOR TO PROVIDE PATCH CABLES ON BOTH ENDS FOR COMPLETE INSTALLATION. USE EXISTING TRIPPLITE UPS FOR POWER TO NEW NETWORK SWITCH.
6. INSTALL NEW WALL MOUNTED COMBO CLOCK / SPEAKER ENCLOSURE TO REPLACE EXISTING SPEAKER OR CLOCK. PATCH WALL AS REQUIRED, RE-USE EXISTING RACEWAY. INSTALL NEW DATA CABLING FROM ENCLOSURE BACK TO IDF.
7. REPLACE EXISTING EXTERIOR SPEAKER WITH NEW IP EXTERIOR SPEAKER. CONTRACTOR TO SEAL ALL BUILDING PENETRATIONS.
8. INSTALL NEW CLOCK AND MESSAGE BOARD IN FRONT OFFICE LOCATION. PROVIDE NEW SURFACE MOUNTED RACEWAY AND CABLING BACK TO IDF.
9. REMOVE EXISTING CLOCK AND WIRING AND REPAIR WALL.
10. INSTALL NEW EXTERIOR SPEAKER TO REPLACE EXISTING SPEAKER CURRENTLY INSTALLED ON UNDERSIDE OF CANOPY. CONNECT NEW DATA CABLING BACK TO IDF CLOSET.
11. EXISTING CONDUIT FROM MODULAR BUILDING BACK TO BUILDING CAN BE RE-USED FOR INSTALLING NEW DATA CABLING FROM MODULAR BUILDINGS BACK TO EXISTING IDF RACK.
12. NEW EXTERIOR SPEAKER MOUNTED AS HIGH AS POSSIBLE ON WALL BELOW ROOF EDGE. ROUTE NEW CABLING FROM SPEAKER BACK INTO BUILDING AND TERMINATE AT HEADEND RACK. SEAL ALL BUILDING PENETRATIONS.
13. EXISTING INTERCOM WALL MOUNTED HEADEND UNIT TO BE REMOVED ALONG WITH ALL EXISTING WIRING. CONTRACTOR TO PATCH AND PAINT WALL WHERE UNIT WAS REMOVED.
14. REMOVE EXISTING WALL MOUNTED SPEAKER AND WIRING AND REPAIR / REPAINT WALL WHERE SPEAKER WAS REMOVED.
15. APPROXIMATE LOCATION OF EXISTING UNDERGROUND CONDUIT LEADING BACK TO MAIN BUILDING MDF LOCATION. ROUTE ALL NEW DATA CABLING BACK TO EXISTING MDF RACK.
16. APPROXIMATE LOCATION OF EXISTING UNDERGROUND CONDUIT LEADING BACK TO BUILDING IDF LOCATION. ROUTE ALL NEW DATA CABLING BACK TO EXISTING IDF RACK.
17. EXISTING WALL MOUNTED IDF RACK TO REMAIN. CONTRACTOR TO INSTALL NEW CISCO 24 PORT NETWORK SWITCH AND CONNECT FIBER TO NEW GBIC MODULE IN SWITCH. ALL NEW SPEAKER / CLOCK CABLING SHALL ROUTE BACK TO THIS LOCATION AND TERMINATE ON NEW 48 PORT PATCH PANEL. CONTRACTOR TO PROVIDE PATCH CABLES ON BOTH ENDS FOR COMPLETE INSTALLATION. CONTRACTOR IS TO INSTALL A NEW TRIPPLITE UPS IN IDF CABINET.

GENERAL NOTES:

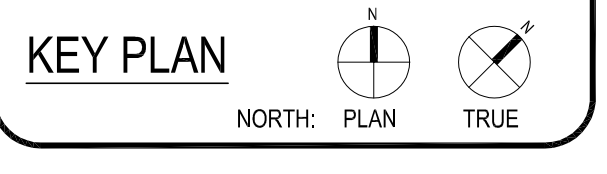
1. CONTRACTOR SHALL LEAVE THE EXISTING INTERCOM SYSTEM OPERATIONAL THROUGHOUT ALL PHASES OF CONSTRUCTION IF REPLACEMENT WORK IS TAKING PLACE DURING THE SCHOOL YEAR. ONCE THE NEW SYSTEM IS OPERATIONAL AND WORKING 100%, THE CONTRACTOR SHALL THEN REMOVE ANY EXISTING DEVICES AND EXISTING WIRING THAT IS NO LONGER REQUIRED FOR CAMPUS INTERCOM AND CLOCK SYSTEM TO FUNCTION.
2. THIS INTERCOM AND CLOCK REPLACEMENT PROJECT IS ALSO RESPONSIBLE FOR ALL IP NETWORK SWITCHES, DATA CABLING, PATCH PANELS, UPS EQUIPMENT AND CONDUIT PATHWAYS REQUIRED FOR A COMPLETE INSTALLATION OF THE CLOCK AND INTERCOM SYSTEM. ALL CONTRACTOR WORK SHALL BE PERFORMED BY LICENSED CONTRACTOR THAT IS CERTIFIED TO INSTALL AND SUPPORT SPECIFIC SYSTEM BEING INSTALLED SUCH AS DATA CABLING, NETWORK EQUIPMENT AND INTERCOM EQUIPMENT.
3. AT EACH HEADEND LOCATION (MDF/IDF), THE CONTRACTOR SHALL INSTALL A NEW 24 PORT, POE, CISCO SWITCH, MODEL #9300L-24P-4X-EDU WITH DNA ESSENTIALS AND 3 YEAR SERVICE AND SUPPORT LICENSING. PROVIDE AND CONFIGURE NEW 10 GB SFP-10G-T FIBER PORT AND 1 METER CABLE.
4. AT EACH IDF LOCATION, THE CONTRACTOR SHALL USE THE EXISTING TRIPPLITE UPS UNIT INSTALLED IN THE EXISTING RACK TO SUPPORT NEW NETWORK SWITCH BEING ADDED TO RACK. CONTRACTOR IS TO INSTALL A NEW TRIPPLITE UPS IN IDF CABINET WHERE NONE IS CURRENTLY INSTALLED.
5. CONTRACTOR SHALL BREAK OUT A NEW PAIR OF FIBER STRANDS FROM THE EXISTING INTERCONNECTIONS BETWEEN THE EXISTING MDF AND IDF CLOSETS WHICH WILL NOW BECOME THE INTERCOM/CLOCK NETWORK VLAN. THE EXISTING FIBER BACKBONE HAS AVAILABLE STRANDS BETWEEN EXISTING CLOSETS FOR THIS WORK TO HAPPEN. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE NEW FIBER PATCH CORDS AT EACH END TO CONNCT NEW FIBER TO NEW LOCAL NETWORK SWITCHES BEING INSTALLED.
6. CONTRACTOR IS RESPONSIBLE FOR PATCHING / REPAIRING / REPAINTING WALLS WHERE EXISTING SPEAKERS, CLOCKS OR RACEWAY IS BEING REMOVED AS PART OF THIS PROJECT. ANY CMU BLOCK OR BRICK WALLS THAT CANNOT BE REPAIRED WILL NEED TO HAVE METAL PLATE INSTALLED OVER OPENING AND PAINTED TO MATCH SURROUNDING WALL COLOR.
7. ALL SURFACE MOUNTED RACEWAY REQUIRED FOR INSTALLATION OF NEW INTERCOM AND CLOCK WIRING SHALL BE WIREMOLD SERIES 2300, COLOR SHALL MATCH EXISTING COLOR OF SURROUNDING ROOM.
8. ALL EXTERIOR RACEWAY SHALL BE IN RIGID CONDUIT, NO EXCEPTIONS.
9. CONTRACTOR TO INSTALL LABEL ON THE BOTTOM OF EACH DEVICE BEING INSTALLED THAT INDICATES DATA CABLING PORT NUMBER THAT DEVICE IS CONNECTED. LABEL SHALL BE WHITE WITH BLACK LETTERS AT 14" HEIGHT. TYPICAL FOR ALL DEVICES INSTALLED.



ENGINEER LEAF
SACRAMENTO
2520 Venture Oaks Way, Suite 440
Sacramento, CA 95833
916-882-9494 P
916-882-0960 F

ETHEL PHILLIPS E.S. TELE-CENTER UPGRADE PROJECT

2830 - 71st AVENUE
SACRAMENTO, CA



CLIENT	
SACRAMENTO CITY U.S.D.	PROJECT NUMBER
DATE	0110-464
06/30/23	

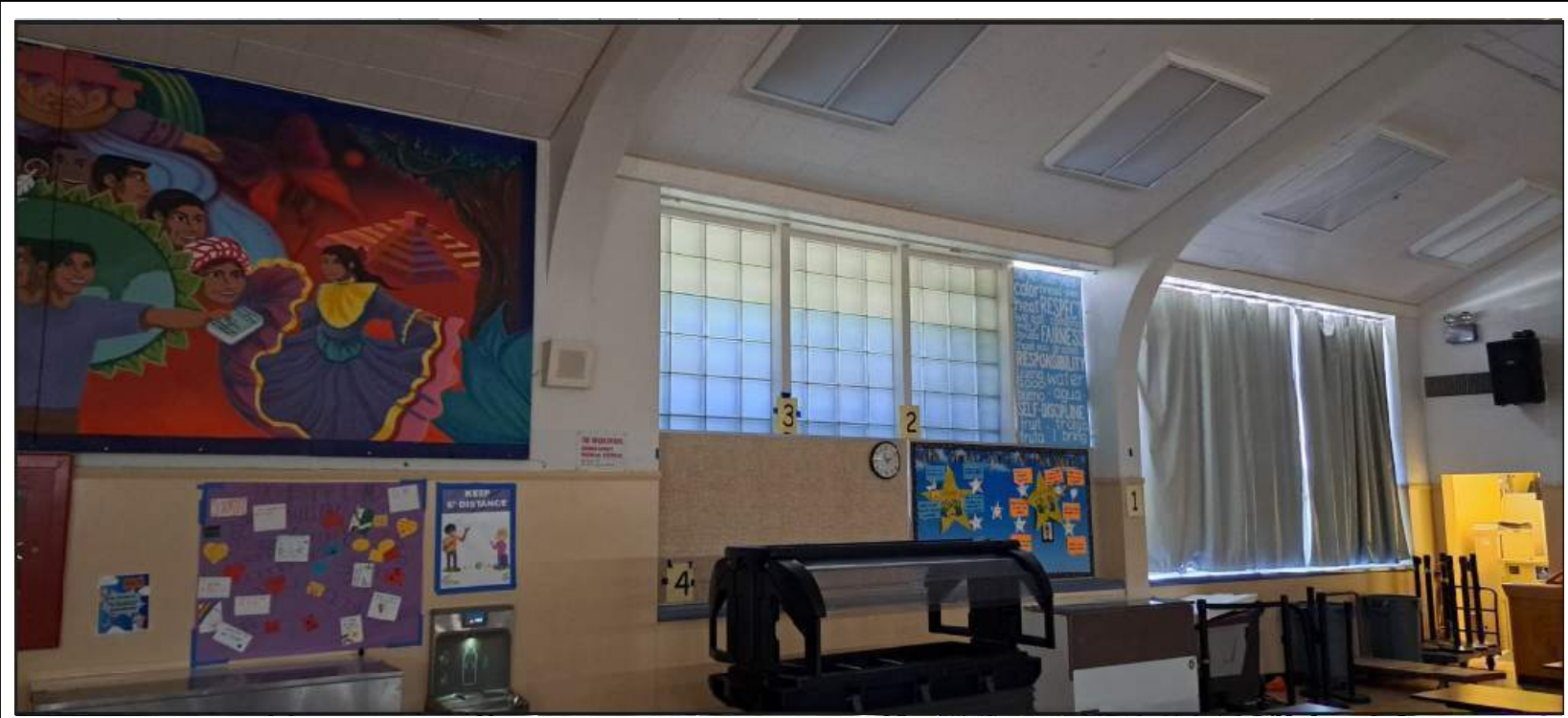
DRAWING HISTORY		
No.	Description	Date
1	Issue for Bid	06/30/23

Project Status

BUILDING NUMBER

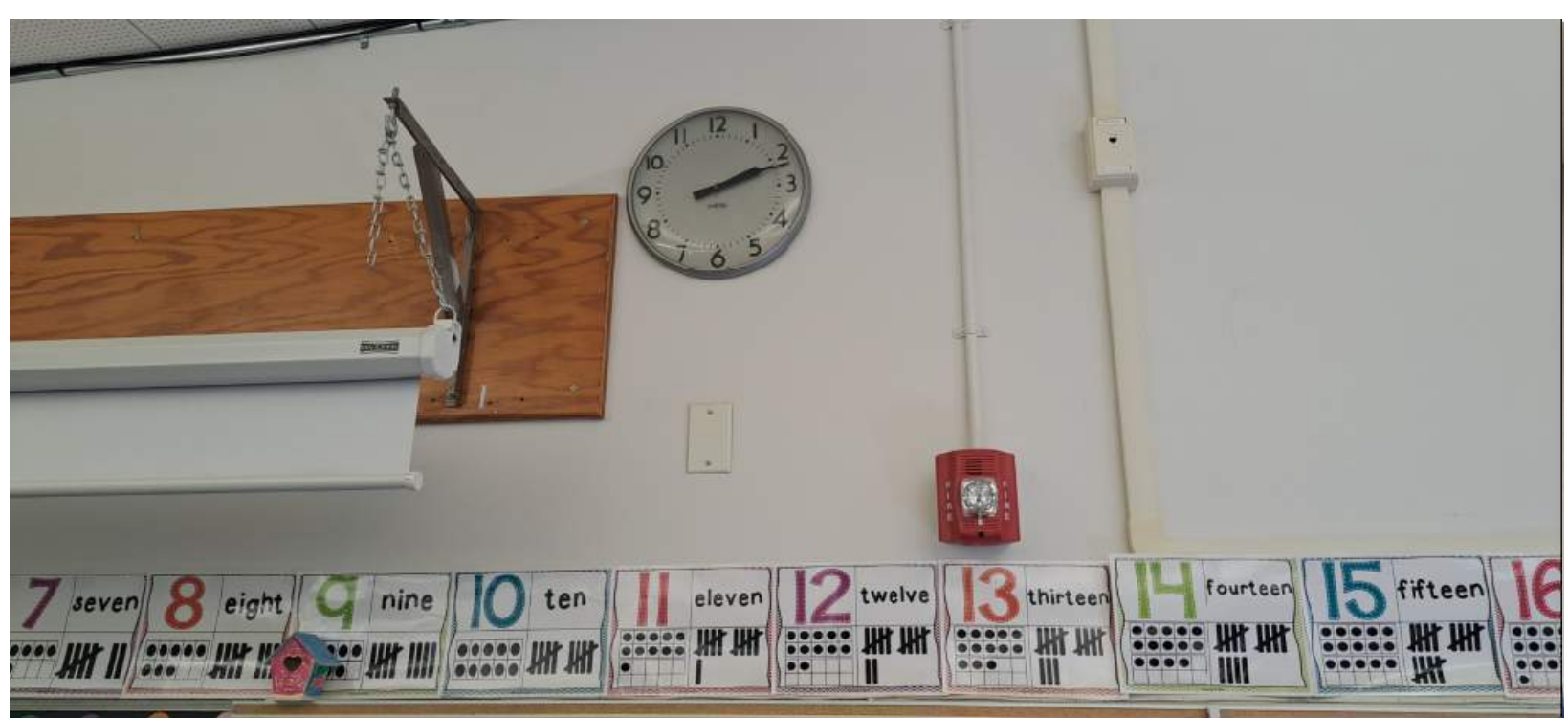
INTERCOM AREA 'C' E.PHILLIPS ES

T-4.0



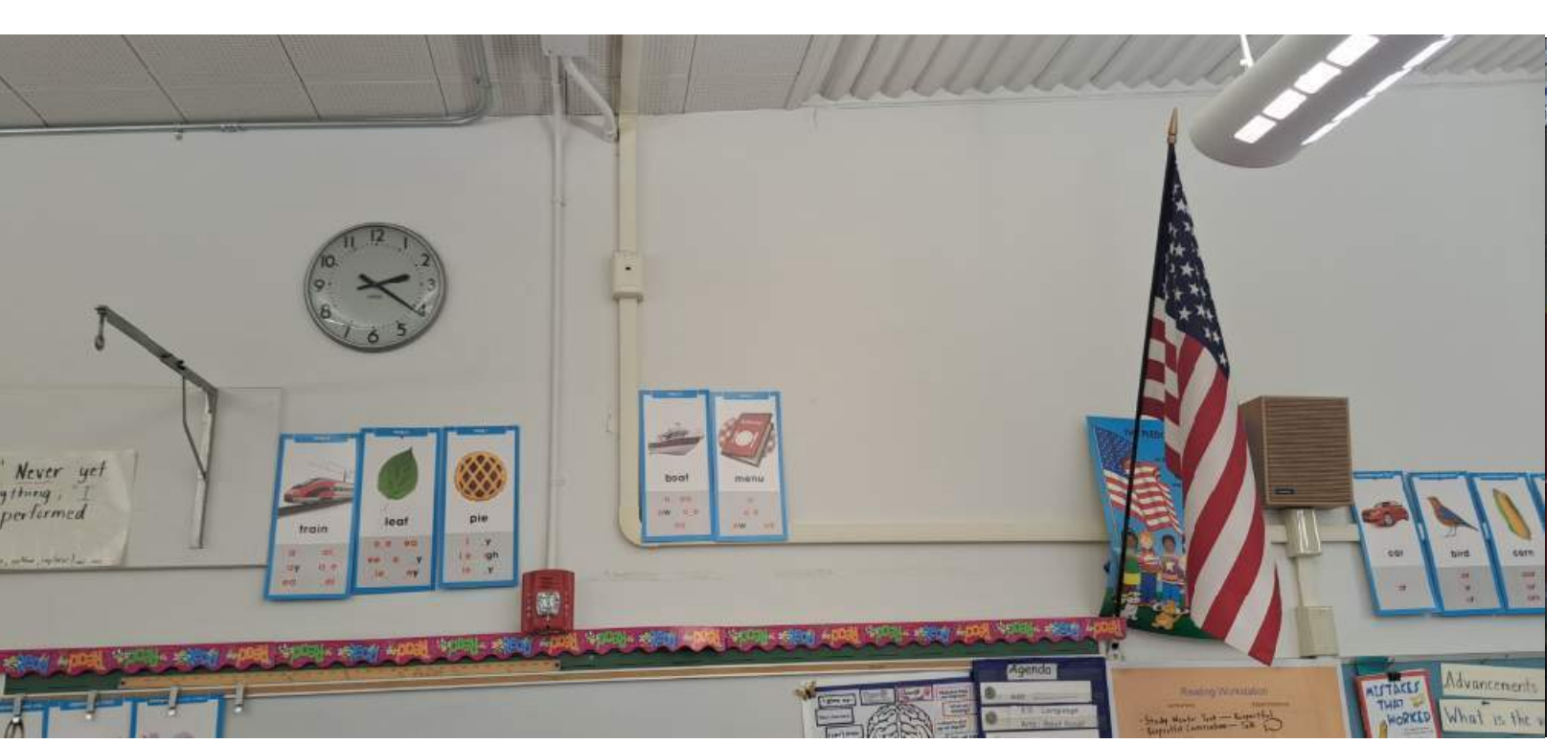
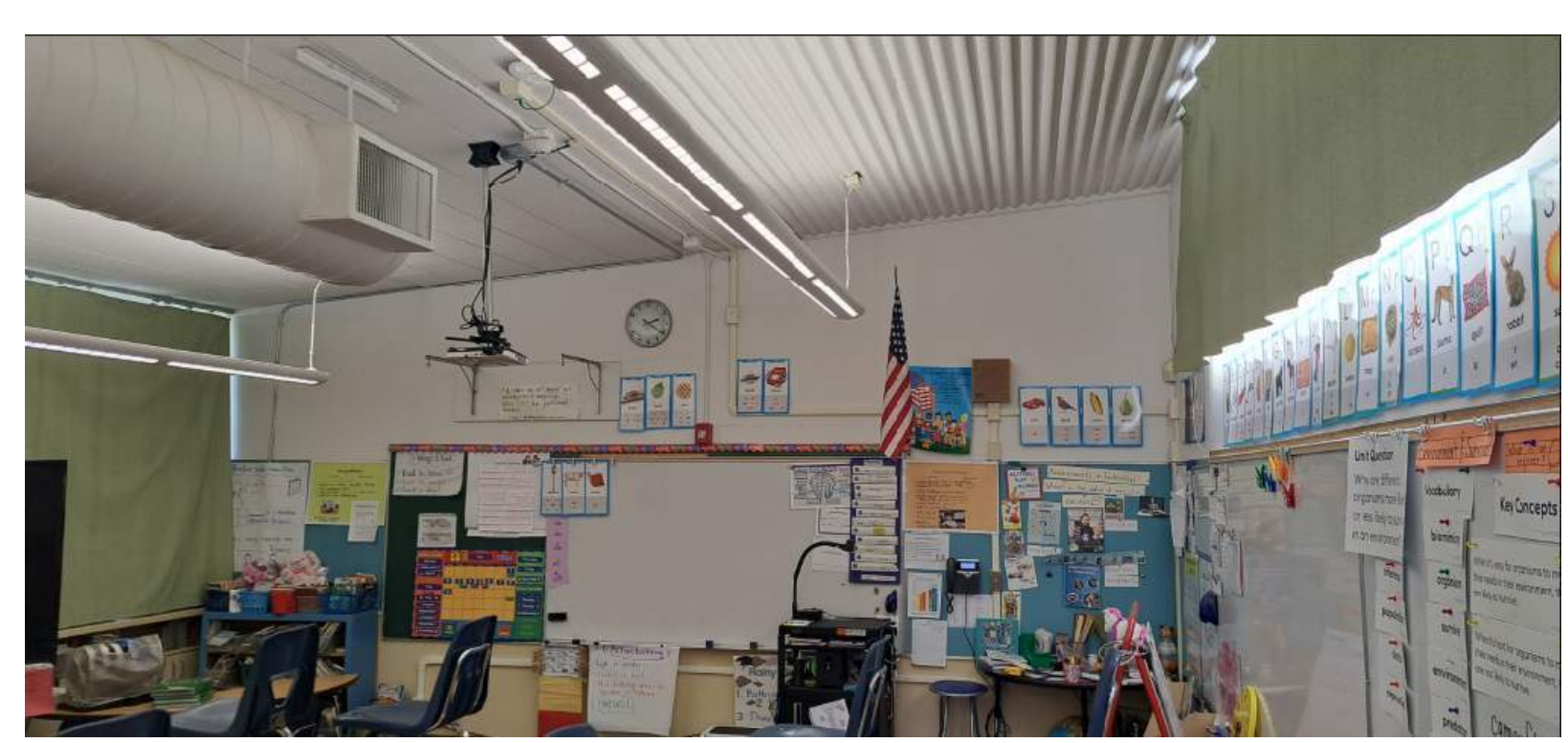
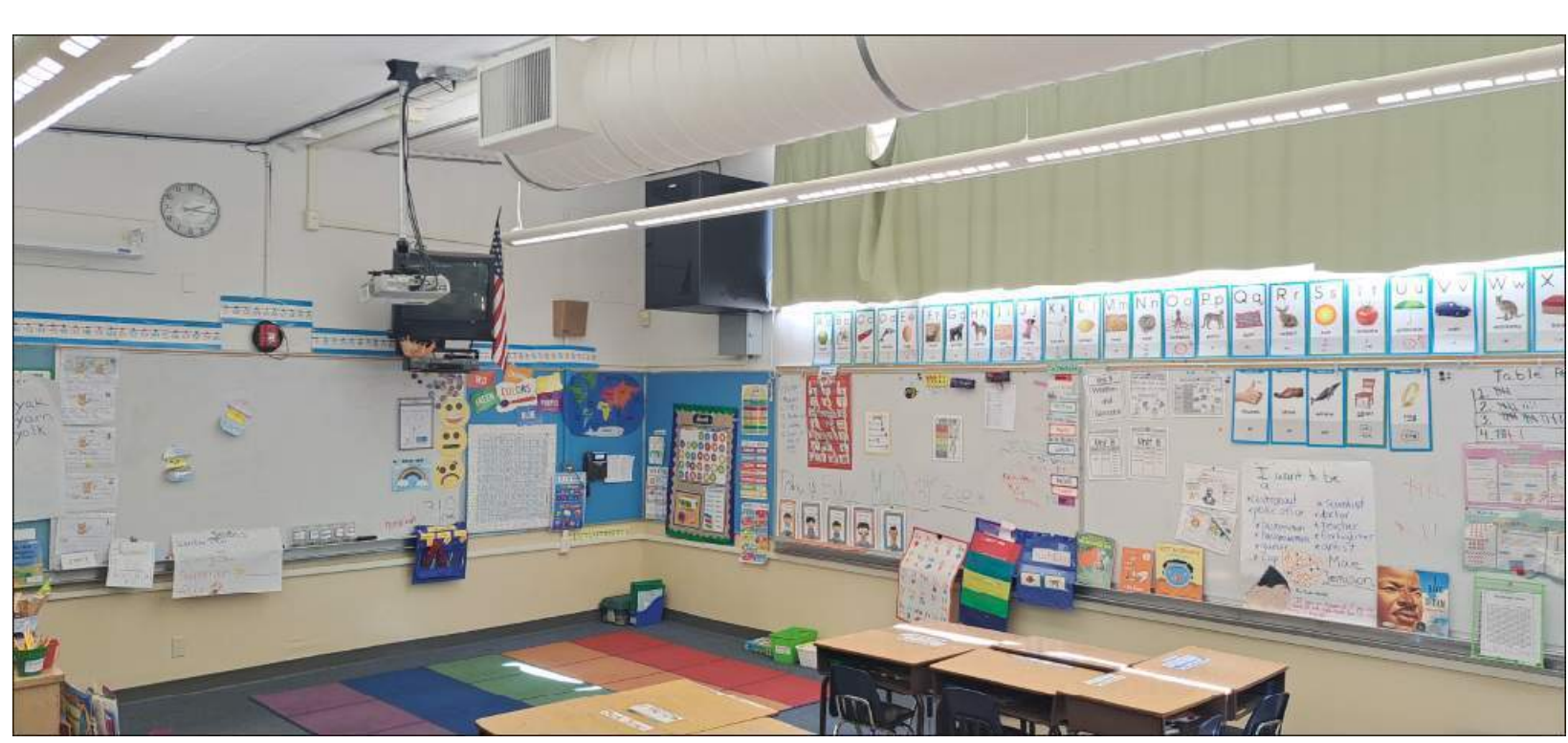
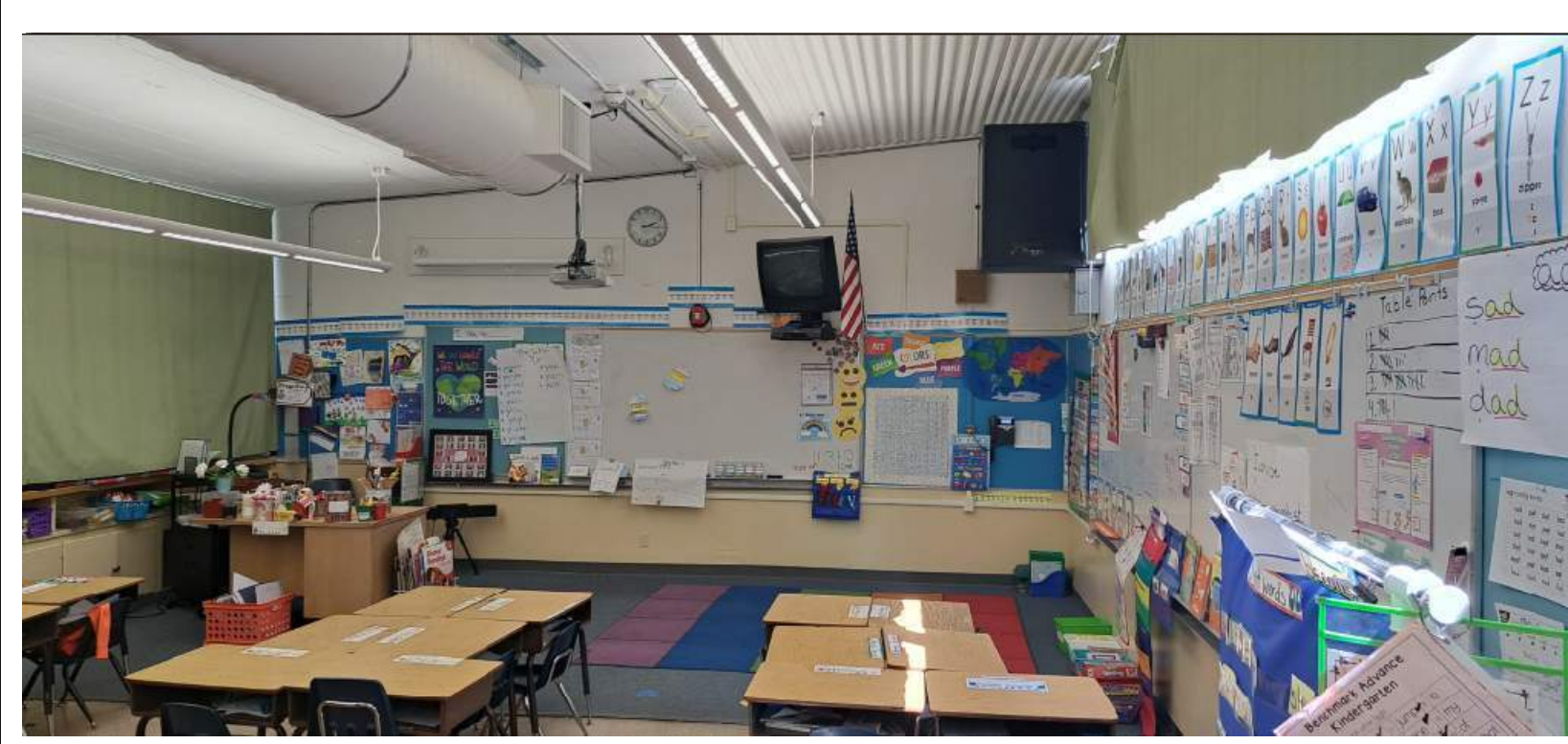
01 MULTI-PURPOSE ROOM

02 KINDERGARTEN B4



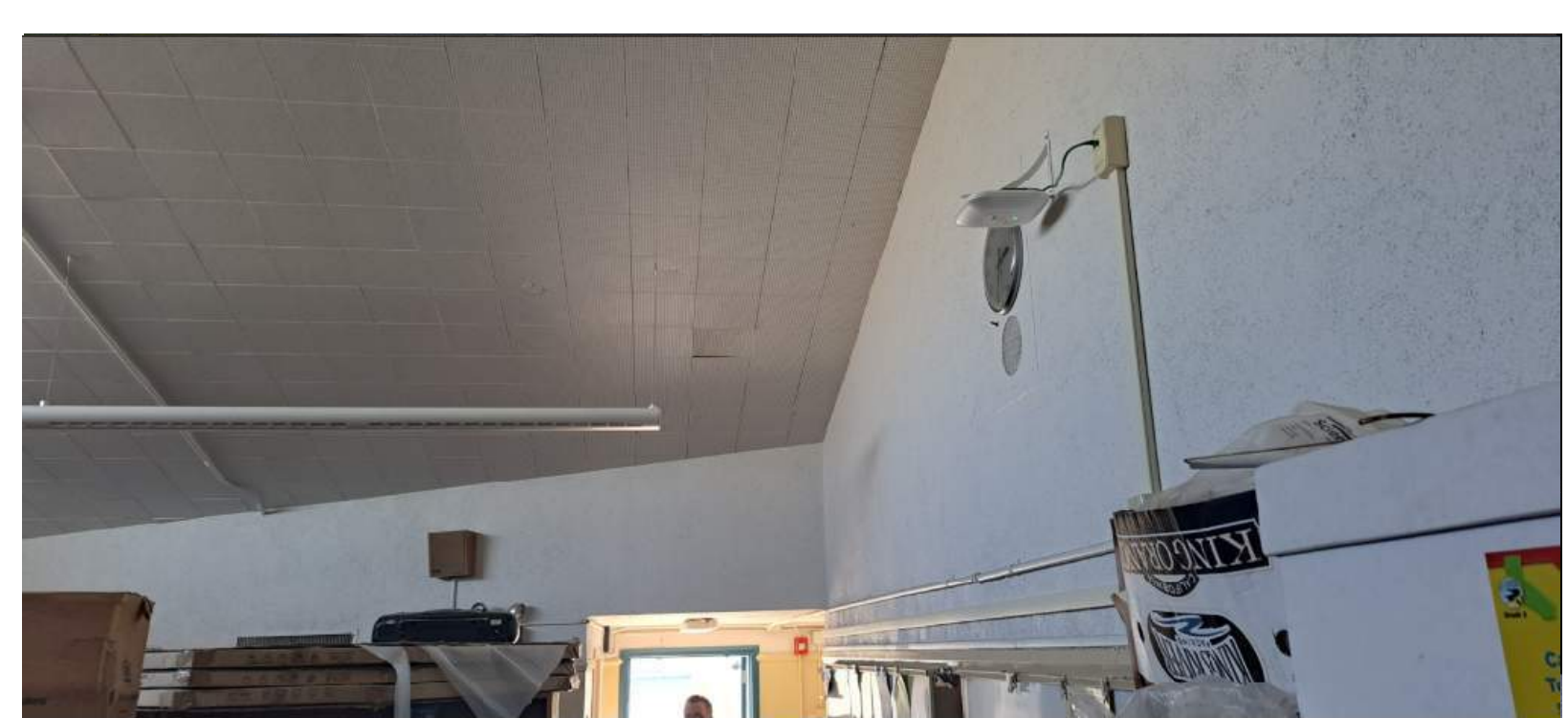
03 CLASSROOM B3

04 LIBRARY B2



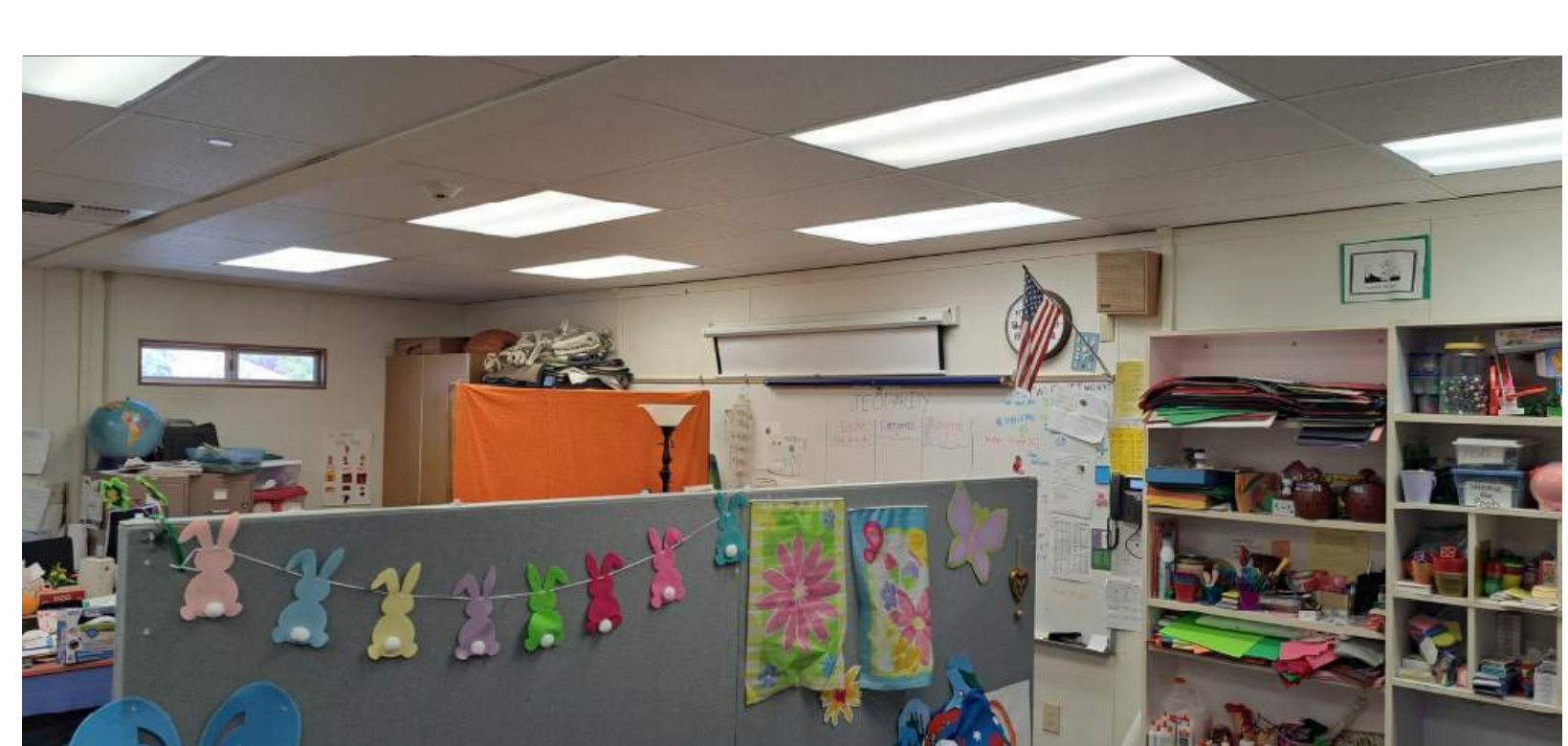
05 CLASSROOM B5

06 CLASSROOM B6



07 KINDERGARTEN A2

08 PLANT MANAGER A1



09 STAFF LOUNGE C11

10 CLASSROOM B13



CLIENT
SACRAMENTO CITY U.S.D.
DATE 06/30/23 PROJECT NUMBER 0110-464

No.	Description	Date
1	Issue for Bid	06/30/23

Project Status

BUILDING NUMBER

ROOM
PHOTOS
E.PHILLIPS ES



01 CLASSROOM B12



02 CLASSROOM B11



03 CLASSROOM B10



04 CLASSROOM B10



05 CLASSROOM B8



06 CLASSROOM C10



07 CLASSROOM C9



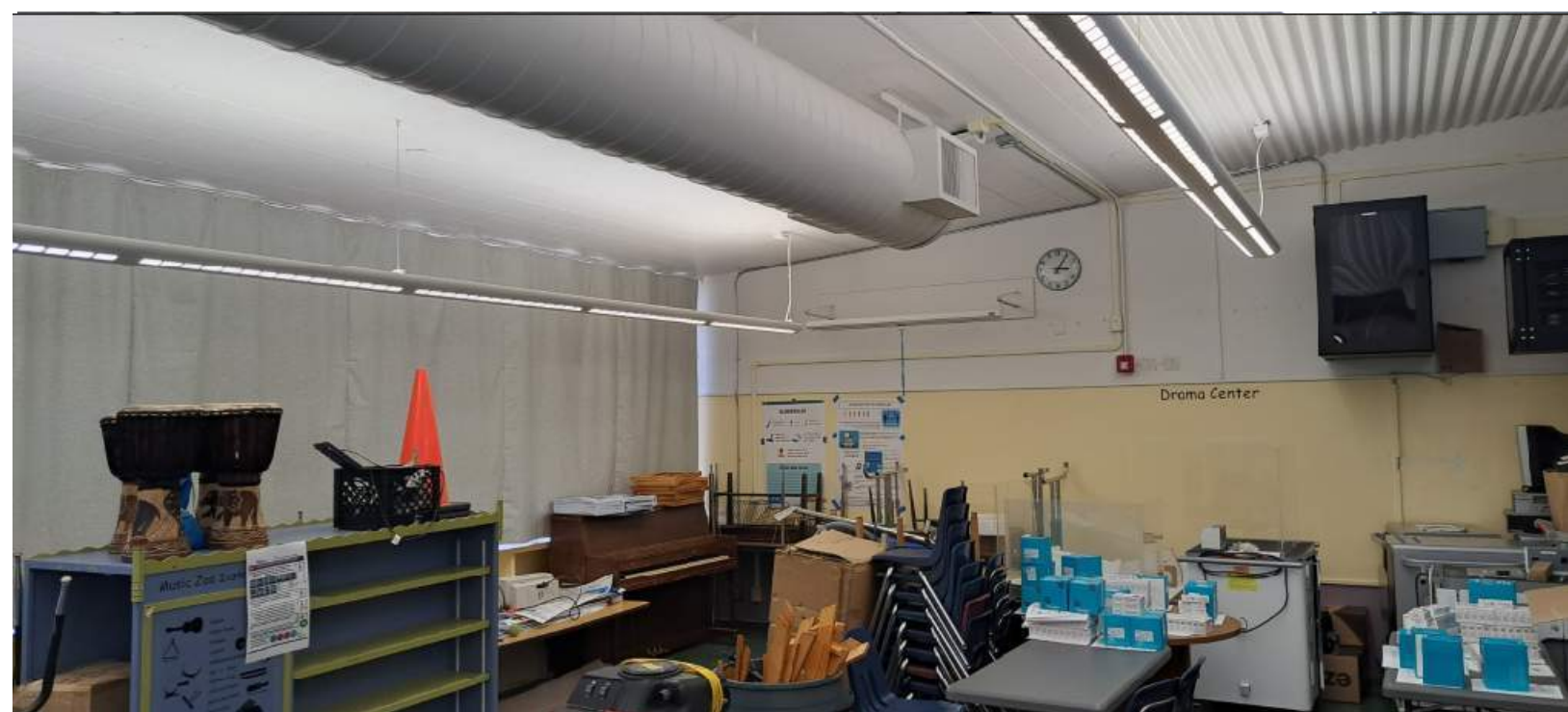
08 CLASSROOM C8



9 CLASSROOM C7



10 CLASSROOM C6

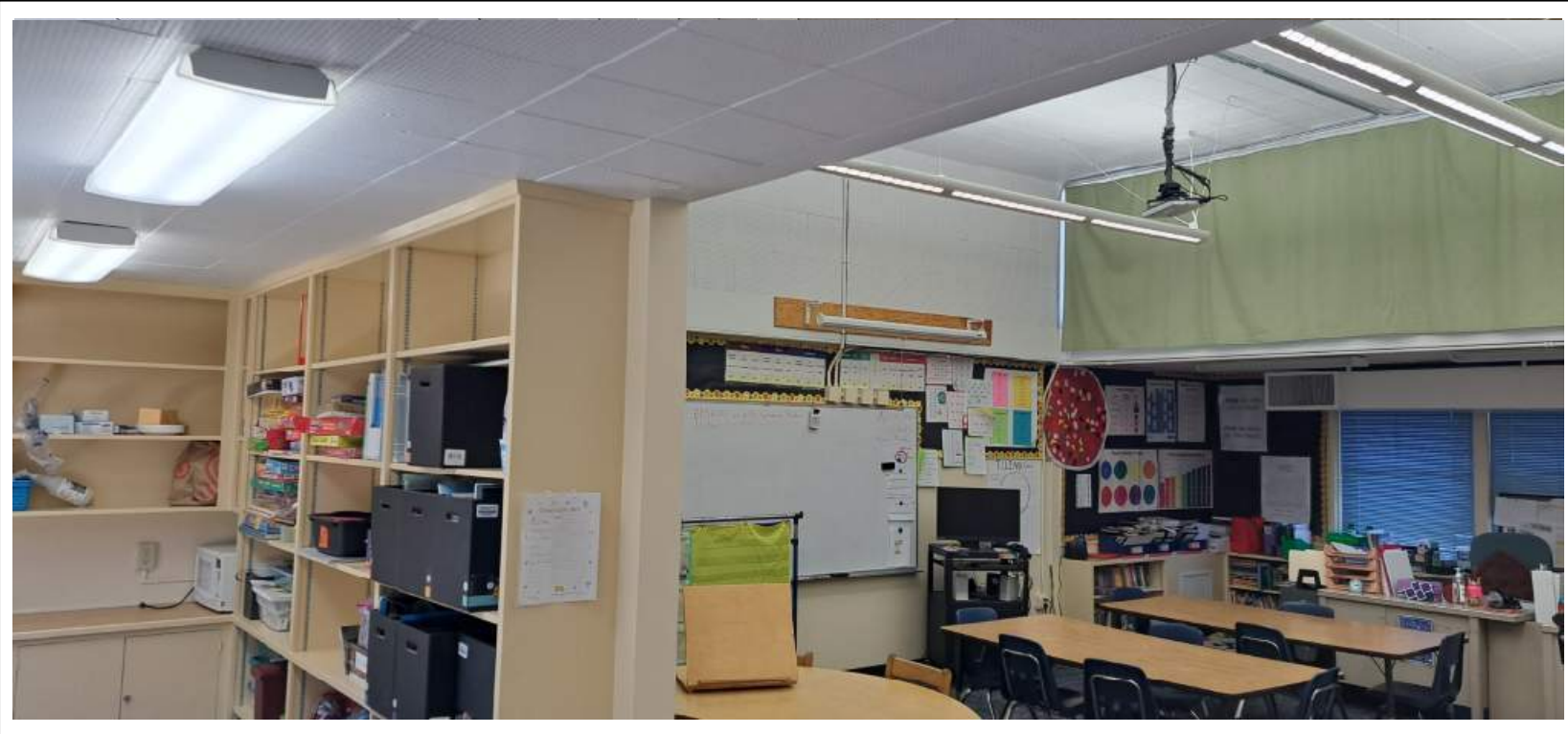


CLIENT
SACRAMENTO CITY U.S.D.
DATE 06/30/23 PROJECT NUMBER 0110-464

No.	Description	Date
1	Issue for Bid	06/30/23

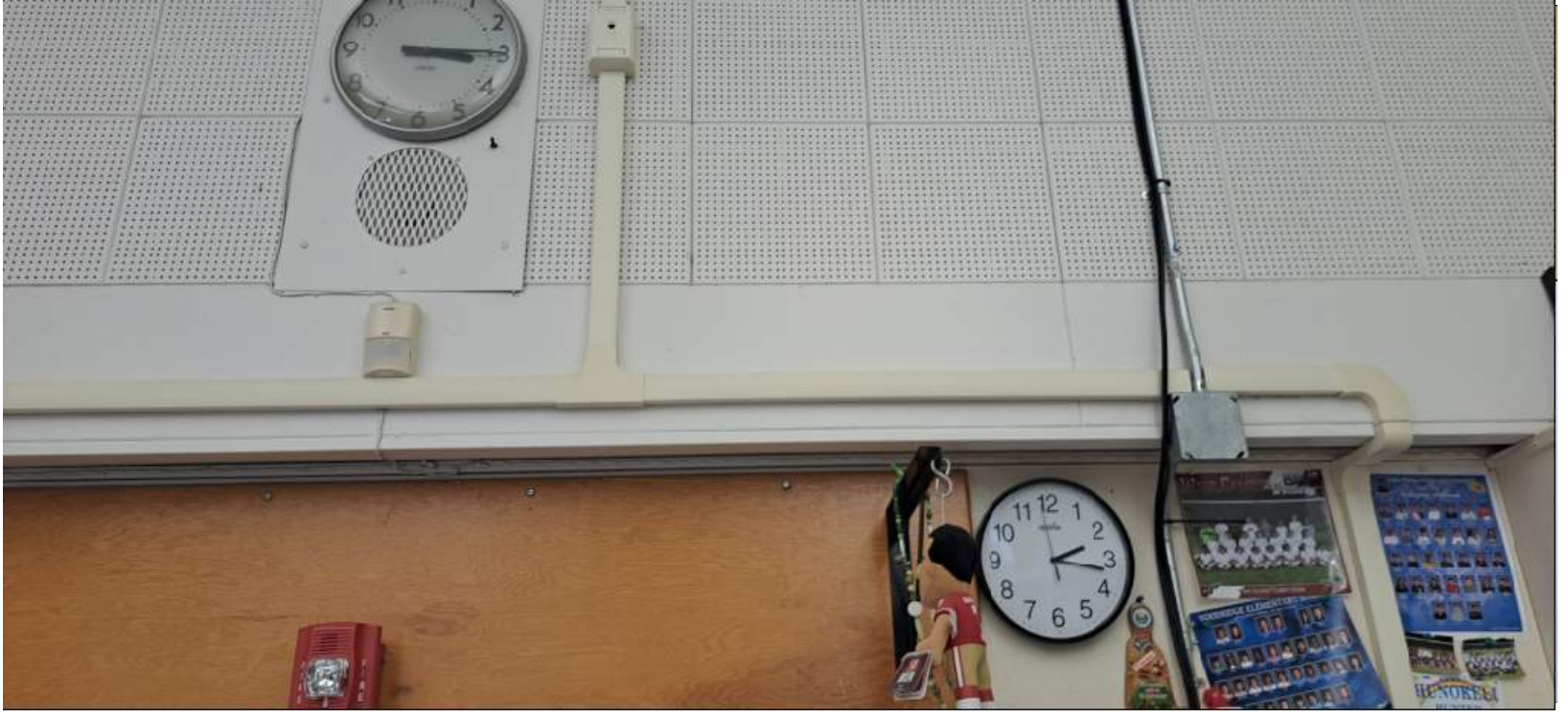
Project Status

BUILDING NUMBER
ROOM PHOTOS E.PHILLIPS ES



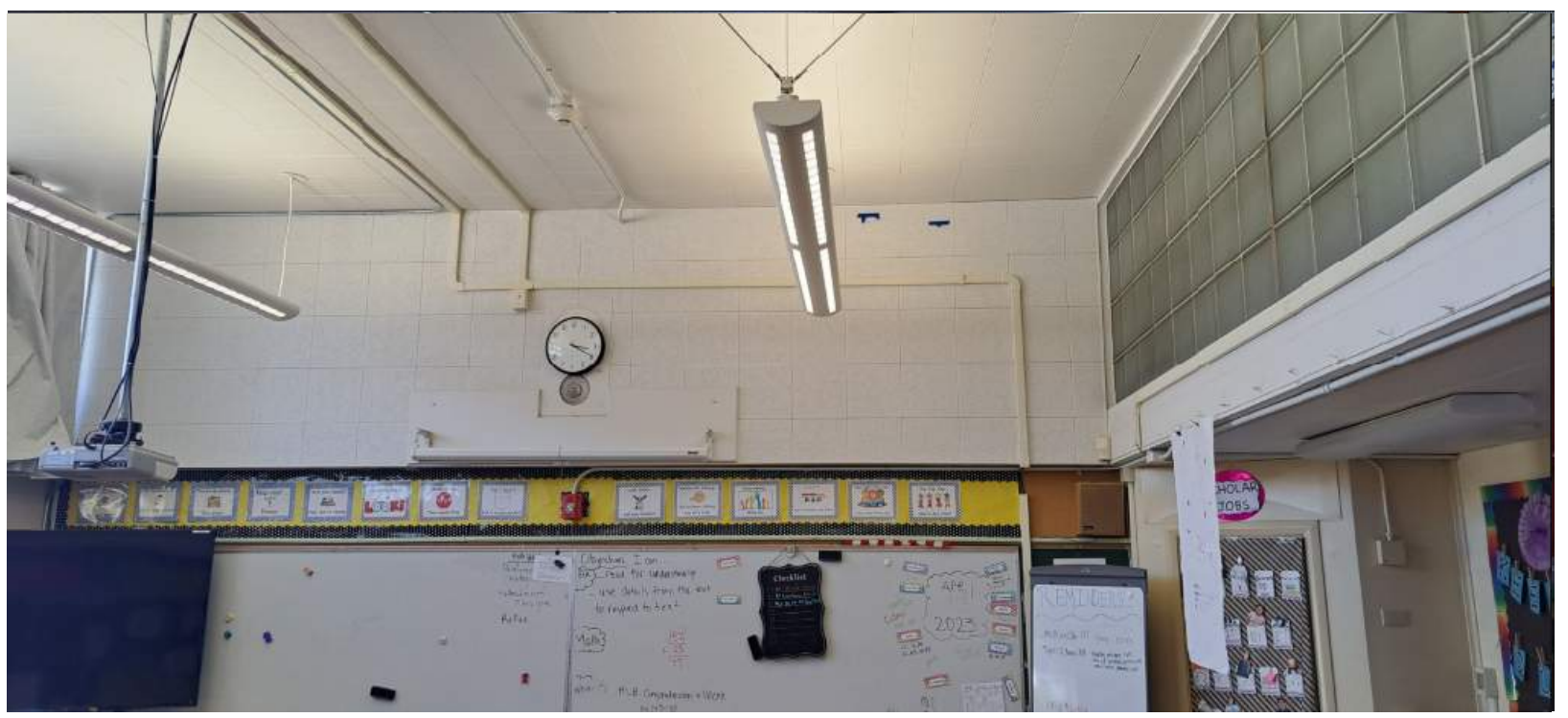
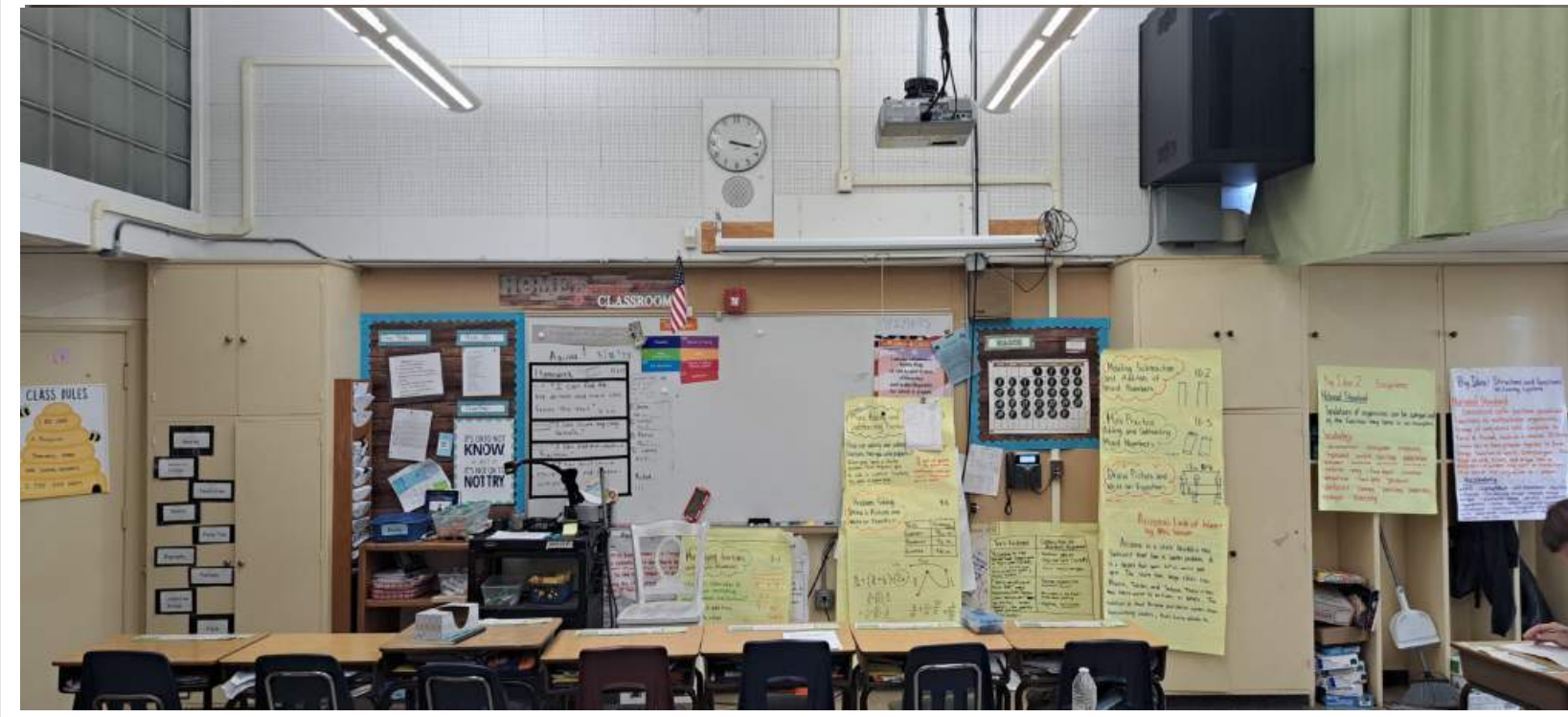
01 CLASSROOM C5

02 CLASSROOM C4



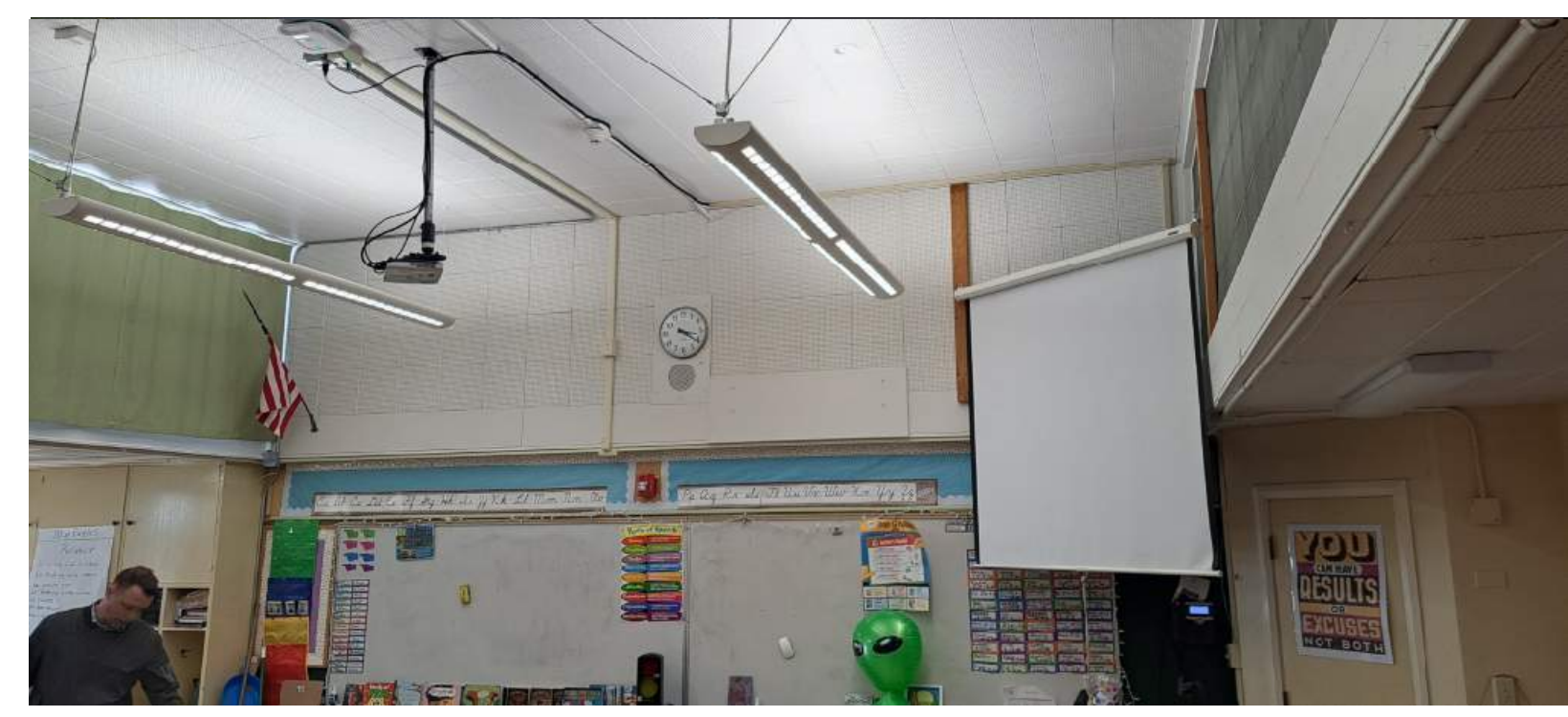
03 CLASSROOM C3

04 CLASSROOM C2



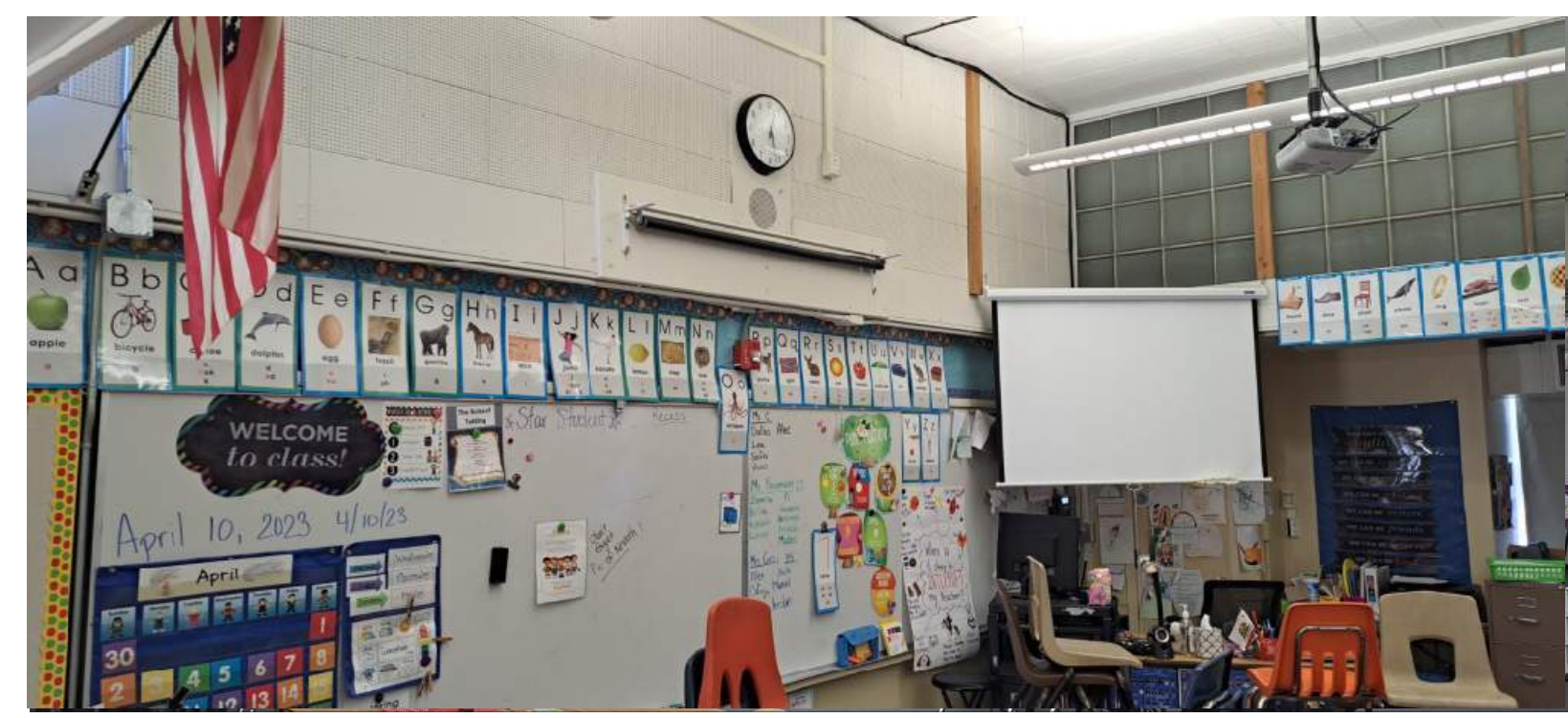
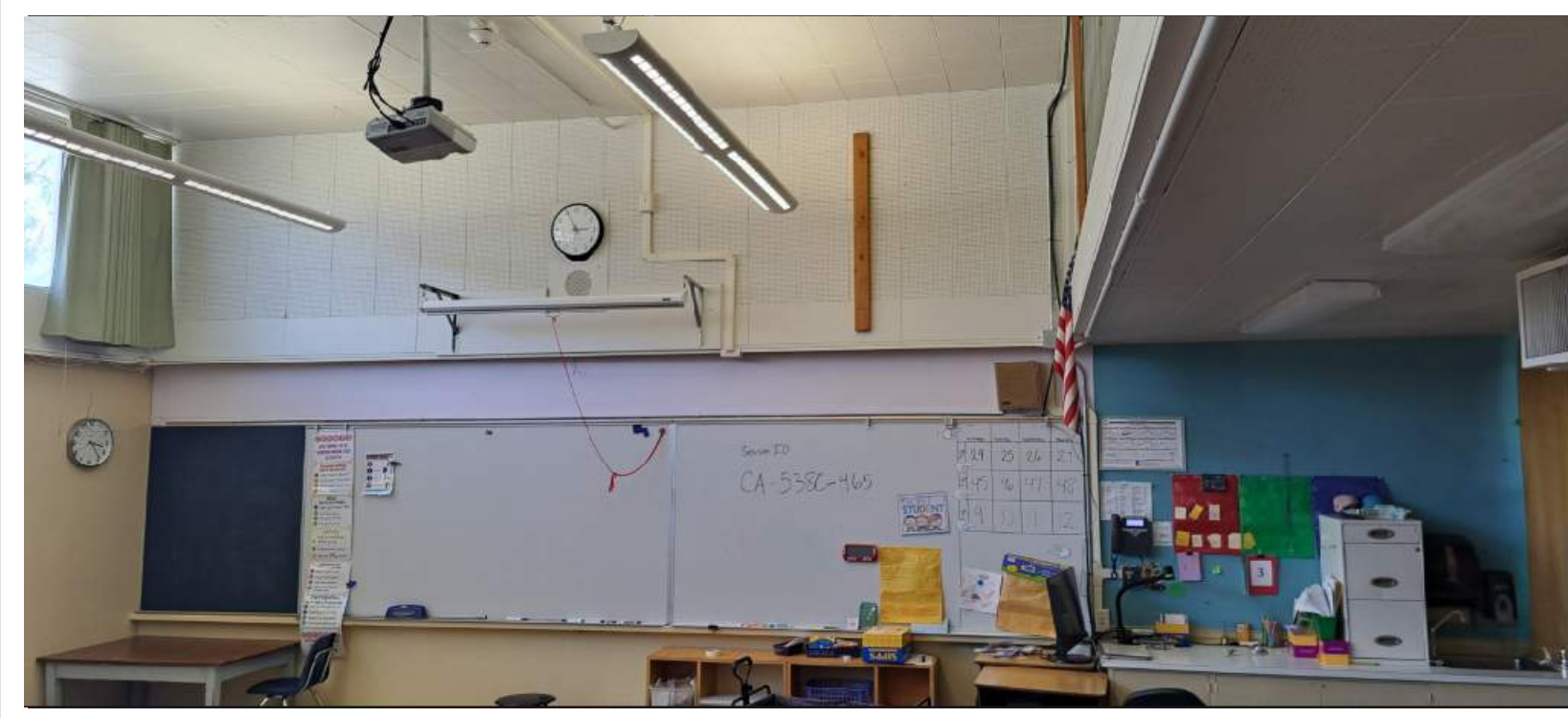
05 CLASSROOM D1

06 CLASSROOM D2



07 CLASSROOM D3

08 CLASSROOM D4

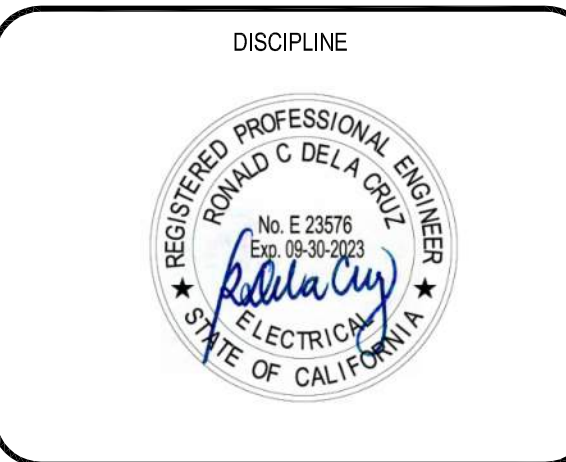


09 CLASSROOM D5

10 CLASSROOM D6



KEY PLAN
NORTH PLAN TRUE



CLIENT
SACRAMENTO CITY U.S.D.
DATE 06/30/23 PROJECT NUMBER 0110-464

No.	Description	Date
1	Issue for Bid	06/30/23

Project Status

BUILDING NUMBER

ROOM
PHOTOS
E.PHILLIPS ES



01 PRESCHOOL D7



02 PRESCHOOL D8



03 CLASSROOM B1



04 CLASSROOM C1



05 OFFICE



06 MDF



07 IDF 1.01



08 IDF 1.06



09 IDF 2



10 IDF 1.02