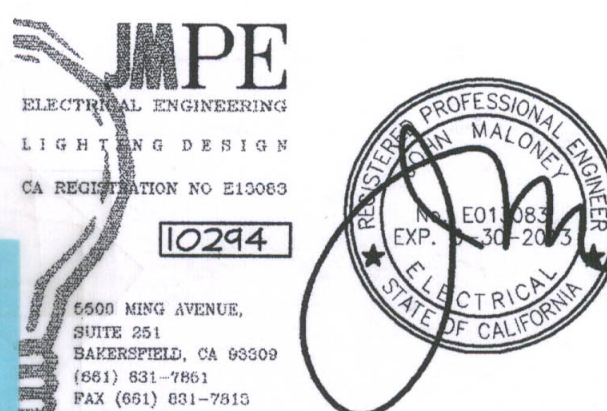


NEW ELEMENTARY SCHOOL
9801 HIGHLAND KNOLLS DR
BAKERSFIELD CALIFORNIA 93306

NEW MIDDLE SCHOOL
4115 VINELAND ROAD
BAKERSFIELD CALIFORNIA 93306

FOR:
BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD CALIFORNIA 93305



MARK	DATE	DESCRIPTION

JOB NUMBER: 20101244
CAD DRAWING FILE:

DRAWN BY: AC
CHECKED BY: PH
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.

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SHEET TITLE: **ELECTRICAL PLAN BUILDING A**

SHEET IDENTIFICATION NUMBER: **E-121A**

SHEET OF

ELECTRICAL PLAN NOTES

- PROVIDE SURGE SUPPRESSOR RECEPTACLES HUBBELL #HBL5262AS. PROVIDE (2) #12 GROUND, ONE FOR MECHANICAL BOND, ONE FOR RECEPTACLES. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
- CENTER RECEPTACLES IN KNEE SPACE. USE CABINET WALL TO HIDE CONDUIT WHERE POSSIBLE. COORDINATE WORK WITH CABINET INSTALLER, TYPICAL.
- PROVIDE #6 CU GROUND CONDUCTOR TO GROUND BUSS PROVIDED BY OTHERS AT MPOE.
- VERIFY LOCATION OF RECEPTACLE FOR MECHANICAL CONTROL PANELS WITH MECHANICAL CONTRACTOR.
- REFER TO ELECTRICAL SINGLE LINE DIAGRAM, SHEET E-001 AND ELECTRICAL SITE PLAN SHEET E-111 FOR FEEDER REQUIREMENTS.
- VERIFY ELEVATION OF SPLASH WITH CABINET INSTALLER. RECEPTACLES SHALL BE ABOVE SPLASH WHERE THIS SYMBOL IS SHOWN, TYPICAL.
- PROVIDE THREE 3/4" CONDUITS SPARE STUBBED INTO ACCESSIBLE ATTIC SPACE.
- PROVIDE COLE LIGHTING FLOOR BOX, MODEL #FLS-353-8-MOD-JR-GRAYTOP. VERIFY CONDUIT SIZE WITH SCOREBOARD MANUFACTURER PRIOR TO INSTALLATION. VERIFY LOCATION OF FLOOR BOX WITH ARCHITECT PRIOR TO INSTALLATION.
- REFER TO SHEET A101A FOR LOCATION OF FIRE BARRIERS. SEE DETAILS 'A', 'B' AND 'C' ON SHEET E-007 FOR FIRE BARRIER PENETRATION REQUIREMENTS.
- AT WALLS ABLE TO RESIST THE PASSAGE OF SMOKE, CAULK ALL PENETRATIONS.

LINE TYPE	WALL TYPE
	FIRE BARRIER WALL
	SMOKE SEPARATION

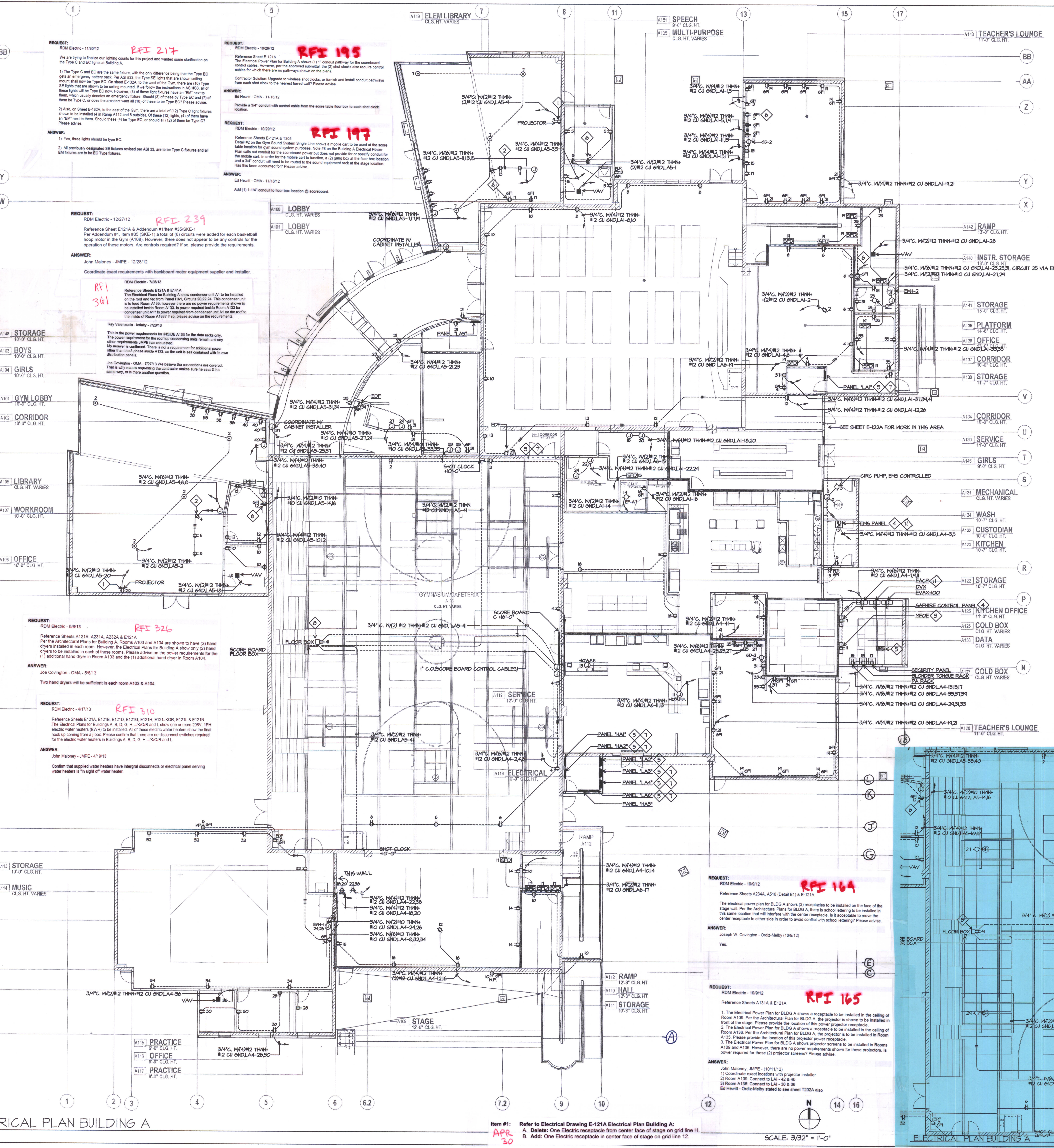
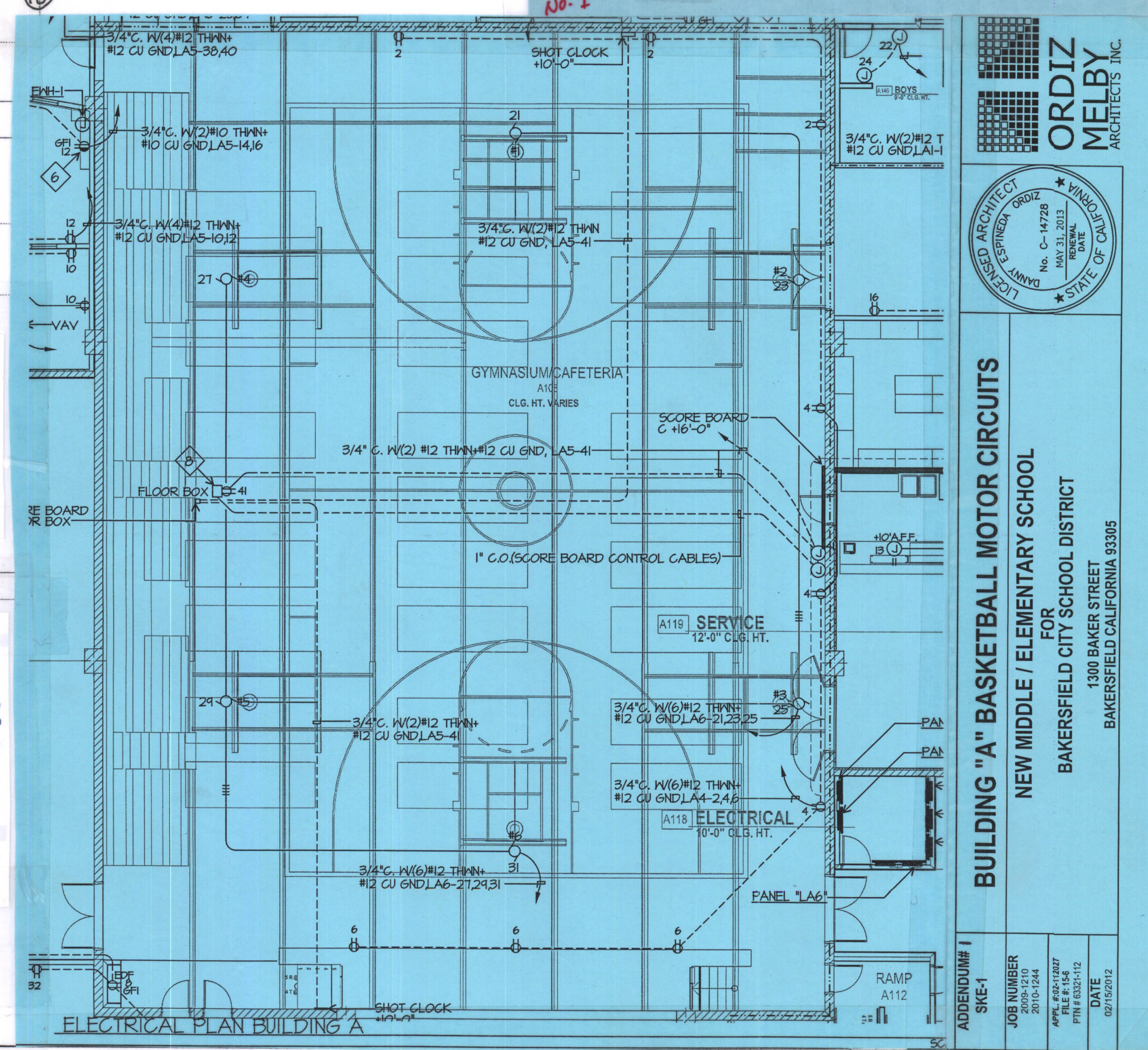
FASTEN W/ (4) #10 W.S. 4" FROM TOP AND BOTTOM OF PANEL. 1/4" MIN ENDEMENT INTO FRAMING MEMBER TYP

RFI 164
Request: RDM Electric - 10/9/12
Reference Sheets A234A, A510 (Detail B1) & E-121A
The electrical power plan for BLDG A shows (3) receptacles to be installed on the face of the stage wall. For the Architectural Plans for BLDG A, there is a school lettering to be installed in this same location that will interfere with the center receptacle. Is it acceptable to move the center receptacle to either side in order to avoid conflict with school lettering? Please advise.
Answer: Joseph W. Covington - Ordiz-Melby (10/9/12)
Yes.

RFI 66
See RFI 66 For Floor Box Location

RFI 67
Request: RDM Electric - 6/13/12
Reference Sheet E121A
The Electrical Plan for Building A shows a floor box on the west side of the Gymnasium (Room A109) with a note #8 pointing to it. Note #8 calls for a Cole Lighting Floor Box Model #FLS-353-8-MOD-JR-GRAYTOP. Just in front of the bleachers, there is another small symbol with a note pointing to it calling for a Cole "Score Board Floor Box". Please confirm that there is only (1) Cole Lighting Floor Box in this location.
Answer: YES. There will be only floor box for score board and shot clocks. It should be located approximately at center of main court - 60 feet south of G.L. T. and 12 feet east of G.L. S.

Item #28: Refer to Electrical Drawing E-121A.
A. UPDATE: Sheet E-A121 per attached drawing SK-1 to show circuiting for basketball motors.



RFI 217
Request: RDM Electric - 11/30/12
We are trying to finalize our lighting courts for this project and wanted some clarification on the Type C and EC lights at Building A.
1) The Type C and EC are the same fixture, with the only difference being that the Type EC must have an emergency battery pack. Per AS203, the Type SE lights that are shown ceiling grid lights shall now be Type EC. On sheet E-121A, to the west of the Gym, there are (10) Type EC lights that are shown to be ceiling mounted. If we follow the instructions in AS203, all of these lights will be Type EC now. However, (3) of these light fixtures have an "E" next to them, which usually denotes an emergency fixture. Should (3) of these Type EC and (7) of them be Type C, or does the architect want all (10) of these to be Type EC? Please advise.
2) Also, on Sheet E-121A, to the east of the Gym, there are a total of (12) Type C light fixtures shown to be installed in Ramp A112 and (8) outside. Of these (12) lights, (4) of them have an "E" next to them. Should these (4) be Type EC, or should all (12) of them be Type C? Please advise.
Answer: 1) Yes, three lights should be Type EC.
2) All previously designated SE fixtures revised per AS 203, are to be Type C fixtures and all EM fixtures are to be EC Type fixtures.

RFI 195
Request: RDM Electric - 10/28/12
Reference Sheet E-121A
The Electrical Power Plan for Building A shows (1) 1" conduit pathway for the scoreboard control cables. However, per the approved submittal, the (2) shot clocks also require control cables for which there are no pathways shown on the plans.
Contractor Solution: Upgrade to wireless shot clocks, or furnish and install conduit pathways from each shot clock to the nearest nearest wall. Please advise.
Answer: Ed Hewitt - OMA - 11/16/12
Provide a 3/4" conduit with control cable from the score table floor box to each shot clock location.

RFI 197
Request: RDM Electric - 10/28/12
Reference Sheets E-121A & T306
Detail #2 on the Gym Sound System Single Line shows a middle cart to be used at the score table location for gym sound system purposes. Note #8 on the Building A Electrical Power Plan calls out conduit for the scoreboard power but does not provide for a speaker, conduit for the middle cart, in order for the middle cart to function. (2) gang bars at the floor box location and a 3/4" conduit will need to be routed to the sound equipment rack at the stage location. Has this been accounted for? Please advise.
Answer: Ed Hewitt - OMA - 11/16/12
Add (1) 1-1/4" conduit to floor box location @ scoreboard.

RFI 239
Request: RDM Electric - 12/27/12
Reference Sheet E121A & Addendum #1 Item #35 (SKE-1)
Per Addendum #1, Item #35 (SKE-1) a total of (6) circuits were added for each basketball hoop motor in the Gym (A109). However, there does not appear to be any controls for the operation of these motors. Are controls required? If so, please provide the requirements.
Answer: John Maloney - JMPE - 12/28/12
Coordinate exact requirements with scoreboard motor supplier and installer.

RFI 361
Request: RDM Electric - 7/26/13
Reference Sheets E121A & E141A
The Electrical Plans for Building A show condenser unit A11 to be installed on the roof and for Panel A11, Circuits 20,22,24. This condenser unit is to be installed inside Room A133. In power required inside Room A133 for condenser unit A11 power required from condenser unit A11 on the roof to the inside of Room A133? If so, please advise on the requirements.
Ray Venetovels - Infirly - 7/26/13
This is the power requirements for INSIDE A133 for the data racks only. The power requirements for the not just conditioning units remain and only other requirements JMPE has requested. My answer is correct. There is no requirement for additional power other than the 3 phase inside A133, as the unit is self contained with its own distribution panel.
Joe Covington - OMA - 7/27/13 We believe the connections are correct. That is why we are requesting the contractor make sure he sees it the right way at or from another position.

RFI 326
Request: RDM Electric - 5/9/13
Reference Sheets A121A, A231A, A232A & E121A
Per the Architectural Plans for Building A, Rooms A103 and A104 are shown to have (3) hand dryers installed in each room. However, the Electrical Plans for Building A show only (2) hand dryers to be installed in each of these rooms. Please advise on the power requirements for the (1) additional hand dryer in Room A103 and the (1) additional hand dryer in Room A104.
Answer: Joe Covington - OMA - 5/9/13
Two hand dryers will be sufficient in each room A103 & A104.

RFI 310
Request: RDM Electric - 4/17/13
Reference Sheets E121A, E121B, E121C, E121D, E121E, E121F, E121G, E121H, E121I, E121J, E121K, E121L, E121M, E121N
The Electrical Plans for Building A, B, D, G, H, J, K, Q, R and L show one or more 208V, 1PH electric water heaters (EWH) to be installed. All of these electric water heaters show the final floor up controls from a pool. Please confirm that there are no disconnect switches required for the electric water heaters in Buildings A, B, D, G, H, J, K, Q, R and L.
Answer: John Maloney - JMPE - 4/19/13
Confirm that supplied water heaters have integral disconnects or electrical panel serving water heaters is "in sight" of water heater.

RFI 164
Request: RDM Electric - 10/9/12
Reference Sheets A234A, A510 (Detail B1) & E-121A
The electrical power plan for BLDG A shows (3) receptacles to be installed on the face of the stage wall. For the Architectural Plans for BLDG A, there is school lettering to be installed in this same location that will interfere with the center receptacle. Is it acceptable to move the center receptacle to either side in order to avoid conflict with school lettering? Please advise.
Answer: Joseph W. Covington - Ordiz-Melby (10/9/12)
Yes.

RFI 165
Request: RDM Electric - 10/9/12
Reference Sheets A131A & E121A
1. The Electrical Power Plan for BLDG A shows a receptacle to be installed in the ceiling of Room A109. Per the Architectural Plan for BLDG A, the projector is shown to be installed in front of the stage. Please provide the location of this projector receptacle.
2. The Electrical Power Plan for BLDG A shows a receptacle to be installed in the ceiling of Room A136. Per the Architectural Plan for BLDG A, the projector is to be installed in Room A136. Please provide the location of this projector receptacle.
3. The Electrical Power Plan for BLDG A shows projector screens to be installed in Rooms A109 and A136. However, there are no power requirements shown for these projectors. Is power required for these (2) projector screens? Please advise.
Answer: John Maloney, JMPE - (10/11/12)
1. Coordinate exact locations with projector installer.
2. Room A109: Connect to LAI - 42 & 40
3. Room A136: Connect to LAI - 30 & 36
Ed Hewitt - Ordiz-Melby stated to see sheet T302A also

RFI 164
Request: RDM Electric - 10/9/12
Reference Sheets A234A, A510 (Detail B1) & E-121A
The electrical power plan for BLDG A shows (3) receptacles to be installed on the face of the stage wall. For the Architectural Plans for BLDG A, there is school lettering to be installed in this same location that will interfere with the center receptacle. Is it acceptable to move the center receptacle to either side in order to avoid conflict with school lettering? Please advise.
Answer: Joseph W. Covington - Ordiz-Melby (10/9/12)
Yes.

RFI 165
Request: RDM Electric - 10/9/12
Reference Sheets A131A & E121A
1. The Electrical Power Plan for BLDG A shows a receptacle to be installed in the ceiling of Room A109. Per the Architectural Plan for BLDG A, the projector is shown to be installed in front of the stage. Please provide the location of this projector receptacle.
2. The Electrical Power Plan for BLDG A shows a receptacle to be installed in the ceiling of Room A136. Per the Architectural Plan for BLDG A, the projector is to be installed in Room A136. Please provide the location of this projector receptacle.
3. The Electrical Power Plan for BLDG A shows projector screens to be installed in Rooms A109 and A136. However, there are no power requirements shown for these projectors. Is power required for these (2) projector screens? Please advise.
Answer: John Maloney, JMPE - (10/11/12)
1. Coordinate exact locations with projector installer.
2. Room A109: Connect to LAI - 42 & 40
3. Room A136: Connect to LAI - 30 & 36
Ed Hewitt - Ordiz-Melby stated to see sheet T302A also