Addendum No. 2 July 29, 2024

Project: Brandon Valley Elementary School

Brandon, South Dakota

Project #3023

Architect: Architecture Incorporated

Letting: 2:00 p.m. (prevailing local time)

Thursday, August 8, 2024

Brandon Valley School District Administration Center Conference Room

300 South Splitrock Boulevard

Brandon, South Dakota

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

- 1) SECTION 042000 UNIT MASONRY
 - a) Replace Article 2.5.B.4.a. with the following:
 - a. Color 1 (Dark): [Endicott Clay Products **GRAPHITE**].

2) SECTION 096723 – RESINOUS FLOORING

a) Replace original specification Section 096723 with <u>NEW</u> Section 096723 – *Resinous Flooring* (dated July 29, 2024) which is attached to the end of this addendum.

3) SECTION 210500 – FIRE SUPPRESSION

a) Replace Paragraph 4 of Article 1.01 in Section 210500 with the following:

The fire protection system shall be a wet system. The system in office areas shall be designed for light hazardous classification. The storage and mechanical areas shall be designed for ordinary hazard, group I classification. Provide coverage for all concealed combustible spaces including, but not limited to the attics. The system shall be complete with sprinkler heads, piping, valves, alarm bell, fire department connection and controls necessary for a complete system. All piping going into clear stories, gyms, or other two-story spaces shall enter from adjacent mechanical rooms or utilize a pipe chase. Coordinate pipe chase locations with architectural plans. Exposed piping rising up into these spaces will not be allowed without approval from the Architect/Engineer.

4) SECTION 220100 – GENERAL PROVISIONS

a) Add the following to Article 1.27 (PIPE AND PIPE FITTINGS) for the cold, hot, recirculating hot water, hot water heating supply and return, chilled water supply and return, and ice storage supply and return systems:

Piping for cold, hot, recirculating hot water, hot water heating supply and return, chilled water supply and return, and ice storage supply and return may be PP-RCT resin meeting the short-term properties and long-term strength requirements of ASTM F2389 and CSA B137.11.

Pipe shall be listed for potable water (shall have listings to NSF 14 and 61g), regardless of the whether the pipe and fittings are to be used for potable water service or HVAC service. All pipe shall be made in an extrusion process. The piping shall be extruded with a middle layer that has glass fiber content to restrict thermal expansion. Cold, chilled water supply and return, and ice storage supply and return shall be SDR 17. Hot water heating supply and return, hot, and recirculating hot water shall be SDR 11.

Fittings shall be manufactured from a PP-RCT resin meeting the short-term properties and long-term strength requirements of ASTM F 2389. All fittings shall comply with NSF 14, ASTM F 2389 and CSA B137.11. Fittings shall be PP-RCT piping and be provided by the same manufacturer as the pipe.

Fittings may be either socket fusion through nominal 5 inch (125 mm), electrofusion through 10 inch (200mm) or butt fusion in nominal 2 inch through 24 inch sizes (63mm through 630 mm). Electrofusion may also be performed in nominal sizes 12 inch through 24 inch (315mm through 630mm) by means of the use of electrofusion couplings as applied on butt fusion fittings and pipe.

Pipe and fittings shall be covered by a factory warranty for 30 years to be free of defects in materials or manufacturing.

Valves shall be provided by the same manufacturer as the pipe and fittings and shall comply with the performance requirements of ASTM F 2389 or CSA B137.11.

Where piping and fittings are installed in a plenum the pipe shall be wrapped/or insulated to meet the requirements of ASTM E84. The systems shall have a Flame Spread Classification of less than 25 and Smoke Development rating of less than 50.

Where piping is exposed to UV light for more than 30 days, it shall be protected with a factory applied, UV-resistant coating or alternative UV protection.

Insulate piping per the requirements found in specification section 220700.

Install fittings and joints using socket-fusion, electrofusion, butt-fusion or compression joining as applicable for the fitting or joint type. All fusion-weld joints shall be made in accordance with the specifications and product standards of the manufacturer.

Provide piping supports, guides, and allow for expansion for horizontal and vertical piping according to Uniform Plumbing Code (UPC) section 313.0 "Hangers and Supports" minimum requirements, the pipe manufacturer's installation instructions, and the Authority Having Jurisdiction, whichever is more stringent.

Support vertical piping at each floor and as specified in the applicable Plumbing or Mechanical Code. Piping 2" (63mm) or smaller shall be installed with mid-story guides.

Fire stopping shall be provided to both be compatible with the PP-RCT piping and meet the requirements of ASTM E 814 or ULC S115, "Fire Tests of Through-Penetration Firestops".

While still accessible all piping shall be pressure/leak tested to the manufacturer's standards. Tests shall be carried out using water, compressed air or a mixture of the two. The test pressure for a hydrostatic test shall be 1.5 times the design pressure or 150 psi, whichever is greater, and for an air test shall be 1.1 times the design pressure or 150 psi, whichever is greater. Any leaks detected shall be repaired at the contractor's expense by removing the leaking part and replacing with new parts welded per the manufacturer's guidelines.

Pipe sizes currently shown on the drawings are for copper pipe. Upsize all 3" and 4" heating water supply and return system piping by one pipe size to accommodate for piping material difference.

Provide expansion loops or expansion compensators per the manufacturer's design guide and recommendations. Contractor shall provide a drawing showing expansion loops and/or expansion compensators prior to the installation of any PP-RCT piping.

Domestic water piping in block wall construction may be Type L, hard drawn copper tubing, ASTM B88 and Federal Specification WW-T-799. Fittings shall be wrought copper solder type, ANSI B16.22. Joints for pipe and fittings shall be made with No. 95-5 (tin-antimony) solder and No. 50 non-corrosive flux.

Piping from the heating and cooling coils to the shutoff valves can be Schedule 40 black steel pipe shall conform to ASTM A120/ASTM A53 and Federal Specification WW-P-406, Weight A or hard drawn Type L copper tubing, ASTM B88 and Federal Specification WW-T-799. Fittings shall be wrought copper solder type, ANSI B16.22. Joints for pipe and fittings shall be made with No. 95-5 (tin-antimony) solder and No. 50 non-corrosive flux.

Heating water supply and return piping in the boiler room shall be schedule 40 black steel pipe.

Piping shall be Niron, Aquatherm, Uponor or approved equal.

5) SECTION 261400 – WIRING DEVICES

a) Omit Article 2.8 in its entirety. Provide "Xlerator" Model XL-SB hand dryers as manufactured by Excel Dryer, Inc, as specified per Article 2.9.

6) SECTION 277250 – PAGING INTERCOM & PROGRAM CLOCK SYSTEM

- a) Delete any references to interface with the wireless clock system specified in Section 277350. The intercom system shall obtain NTP time from the Owners LAN. Coordinate the requirements with the Owner and provide the cabling as required.
- b) The intercom outlets shown on the electrical drawings shall be a staff telephone (not a call-in switch). Add the following to the specification:
- 1) 2.02 Equipment
 - *a)* Third-party equipment support
 - *i)* Third-party hardware FXS gateway support includes:
 - (1) 24 port FXS gateway Yeastar TA-2400 typically used for analog staff phone support along with associated NQ-7000SSL Software Licensing

- b) Cortelco 8150 Trendline analog staff telephones (Staff Station)
 - *i)* Staff Station shall have the following features:
 - (1) Wall Mount with RJ11 Jack Wall Plate
 - *The classroom Staff Station shall be capable of the following features depending on how the station CoS is configured:*
 - (1) Emergency intercom call Staff Stations shall be capable of making an Emergency intercom call, which is then routed to the assigned Admin Station. This requires the display of the architectural number and call in level on the Admin Station. Systems that do not provide this feature are not equivalent.
 - (2) Speed dial
 - (3) Toggle audio distribution on and off
 - (4) Call Forward activation and deactivation for All-Calls/Busy/No Answer/Busy or No Answer
 - (5) Conference Calling
 - (6) Transfer Call
 - (7) Dial Administrative station—Staff Stations can allow the user to dial the station number to call to the Admin phone or its associated speaker. The call shall be routed to the Admin Station showing the architectural number that is calling.
 - (8) Emergency All-Call An emergency page shall be broadcasted to all the stations in the facility.
 - (9) Place Outside Call
 - (10) Remote Answer
 - (11) Single-Zone/All-Station Page
 - (12) Call Waiting Tone for Outside Calls It shall be possible to feed the call waiting tone to the Administrative Phone during a conversation
 - (13) Transfer call from VoIP speaker in classroom down to an associated Staff Station.
 - (14) Transfer call from analog speaker in classroom down to an associated Staff Station.
 - (15) Transfer call from VoIP Staff Station in classroom up to an associated VoIP speaker.
 - (16) Transfer call from Staff Station in classroom up to an associated analog speaker.
- c) Classroom phone/speaker cabling shall be 22/2PR EPS Plenum Rated.

7) <u>SECTION 277350 – SYNCHRONIZED WIRELESS MASTER – SATELLITE TIME SYSTEM</u>

- a) Delete any references references to obtaining time using a GPS receiver. This system shall obtain NTP time from the Owner's LAN. Coordinate the requirements with the owner and provide the cabling as required.
- b) Delete any references to a tone generator switch and interface with the paging intercom system specified in section 277250 as that system shall obtain NTP time from the owner's LAN.

8) SECTION 287210 – FIRE ALARM

a) CLARIFICATION: The system in the Bus Garage shall be an extension of the fire alarm system in the school.

- i) Notification in the school shall be voice and utilize speaker/strobes. Notification in the bus garage can utilize either speaker/strobes or horn/strobes.
- b) ARTICLE 2.14: The system shall utilize cellular service for communicating with a remote alarm receiving station in lieu of POTS lines.
 - i) In order to aid responsers, the communication shall differentiate if the alarm, trouble, and supervisory signals are initiated in the school or if the signals are initiated in the bus garage.

8) <u>SECTION 332200 – WATER DISTRIBUTION</u>

a) Omit specification Section 332200 in its entirety. The Contractor and his supplier(s) shall comply with all City of Brandon specifications and requirements for all water utility work, as referenced on the Civil drawings.

9) <u>SECTION 334100 – STORM DRAINAGE</u>

a) Omit specification Section 334100 in its entirety. The Contractor and his supplier(s) shall comply with all City of Brandon specifications and requirements for all storm drainage work, as referenced on the Civil drawings.

10) SECTION 334200 – SANITARY SEWERAGE

a) Omit specification Section 334200 in its entirety. The Contractor and his supplier(s) shall comply with all City of Brandon specifications and requirements for all sanitary sewer work, as referenced on the Civil drawings.

11) SHEET 2.31– ENLARGED SITE PLAN – SOUTH PARKING

- a) Reference *revised* drawing Sheet 2.31, *revision* dated 7-23-2024, attached to the end of Addendum #2 for the following modifications:
 - i) 6" Black topsoil finish grade note shown originally around the island located around the ADA stalls (south of drop off area) shall be changed to 4" Landscape Rock Over Weed Barrier.
 - ii) Reference Item #5 in the Addendum #1 (Revised drawing Sheet 2.31 was not attached in Addendum #1).

12) SHEET 2.42 – STORM SEWER PLAN

- a) Civil drawing Sheet 2.42 has been updated to reflect the modications to storm sewer line and inlet originally shown along the east and south sides of asphalt pavements located east of the new bus garage.
 - i) Omit storm sewer line and inlet from bus garage parking lot to the pond.

13) SHEET 2.50 – PAVEMENT PLAN

- a) Reference *revised* Civil drawing Sheet 2.50, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modicfications:
 - i) The Contractor shall install drop curb for snow removal at the east end of the north driveway as part of the base bid.

ii) Disregard if Alternate #1 is accepted.

14) SHEET 2.51– PAVEMENT PLAN

- a) Reference *revised* drawing Sheet 2.51, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Omit concrete curb & gutter originally shown along the east and south sides of asphalt pavements located east of the new bus garage.
 - ii) Provide 3' curb taper at northeast corner of the bus garage parking lot where the curb and gutter ends as indicated in the *revised* drawing.

15) SHEET 2.61 – GRADING PLAN

- a) Civil drawing Sheet 2.61 has been updated to reflect modifications to grading to provide more cover over proposed sanitary sewer.
 - i) Reference *revised* Sheet 2.61, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the locations of revised grading.

16) SHEET 2.82 – DETAILS

- a) Reference *revised* Sheet 2.82, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Refer to Concealed Pick Hole for Sanitary Manhole Covers detail.
 - ii) The Contractor shall use Neenah R-1772 frame and cover on all new sanitary sewer manholes.
 - iii) Manhole external frame seals will be required in manholes within pavement areas.

17) SHEET 2.91 – LANDSCAPE PLAN – ALTERNATE #1

- a) Legend and General Notes Clarifications:
 - i) Omit all notes that reference grass seed and plant materials to be provided by the Owner.
 - ii) All seeding, plants, trees, fertilizing and mulching will be provided and installed by the Contractor not the Owner.
 - iii) Reference Section 329200 Turf and Grasses specification attached with Addendum #1.
 - iv) Reference Section 329300 Plants specification attached with Addendum #1.

18) SHEET 3.11 – FOOTING AND FOUNDATION PLAN – AREA A

a) Reference *revised* drawing Sheet 3.11, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:

- i) The Contractor shall be responsible for coordinating underground utility installations at all locations where utility lines enter the building envelope with all subcontractors. Step exterior footings down at utility entrance points as required per the Structural drawings; reference typical detail 3/3.40.
- ii) Reference architectural drawing Sheet 4.40 for slopes to drain at shower locations.

19) SHEET 3.12 – FOOTING AND FOUNDATION PLAN – AREA B

- a) Reference *revised* drawing Sheet 3.12, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Reference architectural drawing Sheet 4.40 for slopes to drain at shower locations.

20) SHEET 3.13 – FOOTING AND FOUNDATION PLAN – AREA C

- a) Reference *revised* drawing Sheet 3.13, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) The Contractor shall be responsible for coordinating underground utility installations at all locations where utility lines enter the building envelope with all subcontractors. Step exterior footings down at utility entrance points as required per the Structural drawings; reference typical detail 3/3.40.
 - ii) Add L3 lintel over all recessed cabinet unit heaters located within CMU walls in vestibules as indicated.

21) SHEET 3.14 – FOOTING AND FOUNDATION PLAN – AREA D

- a) Reference *revised* drawing Sheet 3.14, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) The Contractor shall be responsible for coordinating underground utility installations at all locations where utility lines enter the building envelope with all subcontractors. Step exterior footings down at utility entrance points as required per the Structural drawings; reference typical detail 3/3.40.
 - ii) Add L3 lintel over all recessed cabinet unit heaters located within CMU walls in vestibules as indicated.

22) SHEET 3.23 – ROOF FRAMING PLAN – AREA C

a) Omit the L4 Lintel originally shown over door C100, as indicated per *revised* structural drawing Sheet 3.23, *revision* dated 7-26-2024, attached to the end of Addendum #2.

23) SHEET 3.31 – HIGH ROOF FRAMING PLAN – AREA A

a) The Contractor shall reference detail 9/3.46 and coordinate typical framing at openings in steel roof deck with his mechanical contractor.

24) SHEET 3.43 – STRUCTURAL DETAILS

a) Revise location of steel stud back-up framing at Canopy Columns as indicated in the revised detail 1/3.43; reference *revised* Sheet 3.43, *revision* dated 7-26-2024, attached to the end of Addendum #2.

25) SHEET 3.54 – STRUCTURAL DETAILS

a) Omit the Lintel L4 originally shown over door C100 as indicated in revised detail 1/3.54; reference *revised* Sheet 3.54, *revision* dated 7-26-2024, attached to the end of Addendum #2.

26) <u>SHEET 4.10D – FLOOR PLAN – AREA D</u>

- a) Reference *revised* drawing Sheet 4.10D, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Add (3) tackboards to the east wall of D114 Classroom, D113 Classroom, D112 Classroom, and D111 Classroom as indicated.

27) SHEET 4.11B – MEZZANINE PLAN – AREA B

- a) Reference *revised* drawing Sheet 4.11B, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) The floor plan has been adjusted to show clerestory windows originally not visible on the floor plan.

28) SHEET 4.11C – MEZZANINE PLAN – AREA C

- a) Reference *revised* drawing Sheet 4.11C, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) The floor plan has been adjusted to show clerestory windows originally not visible on the floor plan.
 - ii) Overall dimension has been added along the west wall as indicated.

29) SHEET 4.11D – MEZZANINE PLAN – AREA D

- a) Reference *revised* drawing Sheet 4.11D, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) The floor plan has been adjusted to show clerestory windows originally on the floor plan.
 - ii) Overall dimension has been added along the east and west sides of the mezzanine floor plan as indicated.

MECHANICAL ITEMS:

30) SHEET 8.51 – SCHEDULES

- a) Air Cooled Chiller Schedule Add following note to CH-1:
 - i) Chiller shall have an SCCR rating of 65kA and single point power connection.
- b) Fan Powered VAV Terminal Schedule Add following note to all Fan Powered VAV Terminals:

i) Provide with ECM motor capable of accepting 0-10V signal from the BAS contractor

c) Relief/Intake Hood Schedule -

- i) Modify Note 2 to read as follows: Motorized damper provided and controlled by the temperature controls contractor and installed by mechanical contractor.
- ii) Remove note 2 from IH-G105 and add the following note: Provide motorized damper and interlock with furnace operation
- iii) Remove note 2 from IH-G106A, IH-G106B, and IH-B106C and add the following note: Provide motorized damper and interlock with CO/NO2 detection system.

ELECTRICAL ITEMS:

31) SHEET 9.10 – SITE PLAN - ELECTRICAL

- a) Reference the clouded areas on *revised* drawing Sheet 9.10, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added raceways for the electric utility primary cabling and telecom utility cabling.

32) SHEET 9.21 – FLOOR PLAN – AREA A – LIGHTING

a) The luminaire types and locations at room A112 has been updated as indicated in the *revised* drawing Sheet 9.21, *revision* dated 7-26-2024, attached to the end of Addendum #2.

33) SHEET 9.22 – FLOOR PLAN – AREA A – POWER & SIGNAL

- a) Reference the clouded areas on *revised* drawing Sheet 9.22, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added electrical and general notes. Added a general note at mechanical equipment in the utility yard.
 - ii) Revised fire alarm, intercom, and clock system devices in rooms A104, A106, A107, A112, A114, and A117.
 - iii) Omit power supply in room A107.

34) SHEET 9.23 – FLOOR PLAN – AREA B – LIGHTING

a) Add luminaire in room B119 as indicated per *revised* drawing Sheet 9.23, *revision* dated 7-26-2024, attached to the end of Addendum #2.

35) SHEET 9.24 – FLOOR PLAN – AREA B – POWER & SIGNAL

- a) Reference the clouded area(s) on *revised* drawing Sheet 9.24 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added a general note.
 - ii) Revised fire alarm, intercom, and clock system devices in rooms B103, B104, B105, B106, B107, B109, B111, B113, B115, and B127.

36) SHEET 9.26 – FLOOR PLAN – AREA C – POWER & SIGNAL

- a) Reference the clouded area(s) on *revised* drawing Sheet 9.26 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added a general note.
 - ii) Revised fire alarm and intercom system devices in rooms B112 amd C121.

37) SHEET 9.28 – FLOOR PLAN – AREA D – POWER & SIGNAL

- a) Reference the clouded area(s) on *revised* drawing Sheet 9.28 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added a general note.
 - ii) Revised fire alarm and intercom system devices in rooms C121.
 - iii) Add WAP's in rooms D128 D130 and D136 D138.

38) SHEET 9.32 – SECOND FLOOR – AREA A – POWER & SIGNAL

a) The location of WAP in room A101 has been updated as indicated in the *revised* drawing Sheet 9.32, *revision* dated 7-26-2024, attached to the end of Addendum #2.

39) SHEET 9.34 – SECOND FLOOR PLAN – AREA B – POWER & SIGNAL

- a) Reference the clouded area(s) on *revised* drawing Sheet 9.34 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Revised fire alarm and intercom system devices in Room B128.
 - ii) Revised projector in Room B120.

40) SHEET 9.40 – ENLARGED PLAN S – ELECTRICAL

- a) Reference the clouded area(s) on *revised* drawing Sheet 9.40 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Electrical note #2 has been revised as indicated.
 - ii) Receptacles and circuiting have been revised at rooms A111 and A112.

41) SHEET 9.41 – ENLARGED PLAN S – ELECTRICAL

- a) Reference *revised* drawing Sheet 9.41, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Revised electrical note #1 and #10 as indicated.
 - ii) Revised fire alarm and intercom system devices in rooms A124, A200, B200, and D200.

42) SHEET 9.50 – ELECTRICAL SYMBOLS AND ABBREVIATIONS

- a) Reference *revised* drawing Sheet 9.50, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added electrical note #8.
 - ii) Revised power riser diagram as indicated.

43) SHEET 9.51 – ELECTRICAL SCHEDULES

- a) Reference *revised* drawing Sheet 9.51 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added light lighting fixture schedule and numbers to the equipment schedule.

44) SHEET 9.54 – ELECTRICAL SCHEDULES

- a) Reference *revised* drawing Sheet 9.54 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Gym sound reinforcement system functional block diagram: Revised mic/aux input locations as indicated.

45) SHEET 9.55 – ELECTRICAL DETAILS

- a) Reference *revised* drawing Sheet 9.55 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Gym bontrol panel "GCP" layout detail: Revised projection screen switch as indicated.

46) SHEET G9.10 – BUS GARAGE SITE PLAN – ELECTRICAL – ADD ALT #1

- a) Reference *revised* drawing Sheet G9.10, *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added electrical note #3.
 - ii) Changed site lighting unit type.
 - iii) Added raceway for the electric utility primary cabling.

47) SHEET G9.20 – BUS GARAGE SITE PLAN – ELECTRICAL – ADD ALT #1

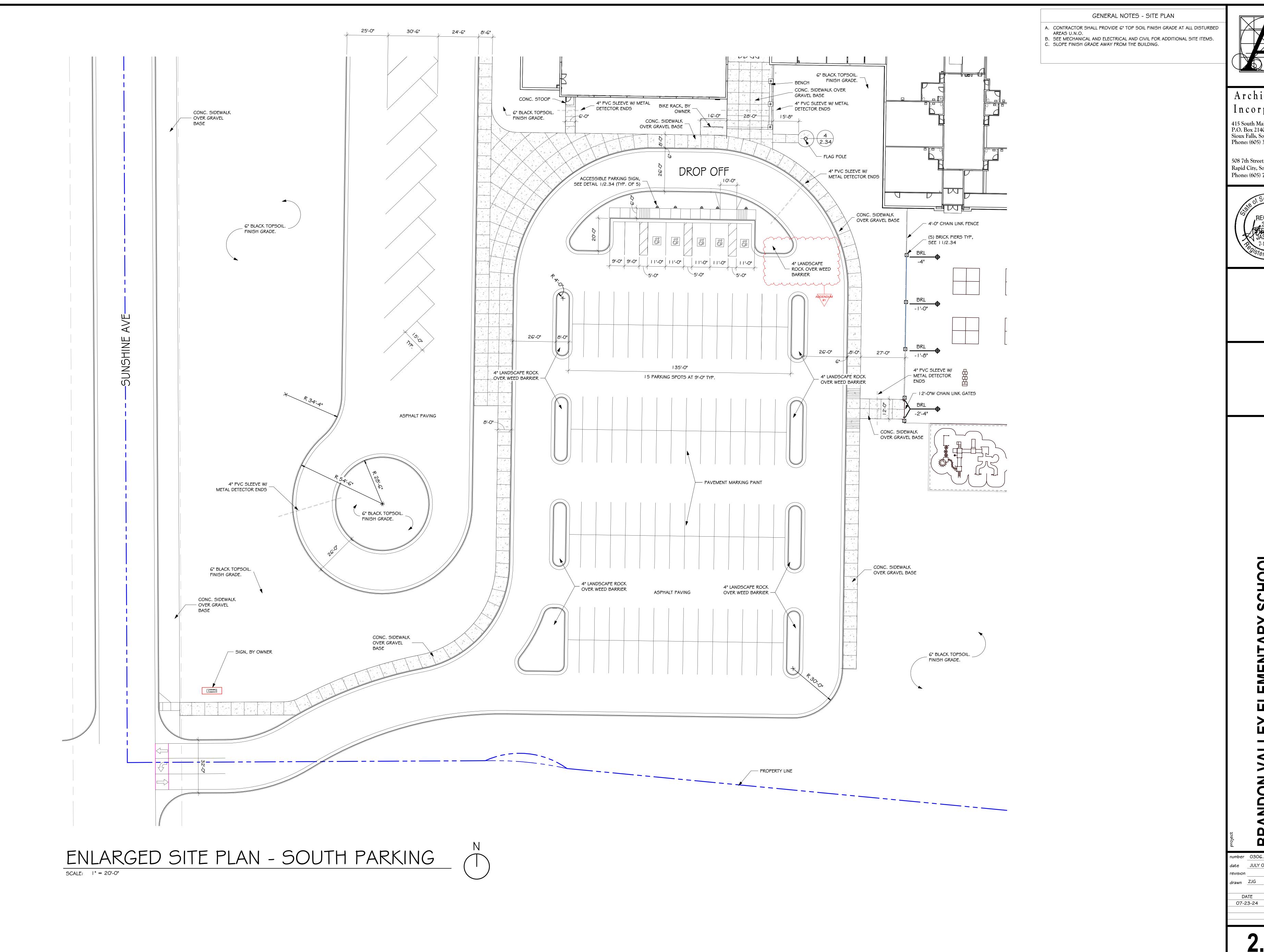
- a) Reference the clouded area(s) on *revised* drawing Sheet G9.20 *revision* dated 7-26-2024, attached to the end of Addendum #2 for the following modifications:
 - i) Added electrical notes #7 and #8.
 - ii) Revised lighting controls in room G106.
 - iii) Added notes and fire alarm system device in room G105.

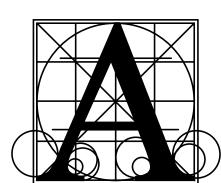
GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

SECTION	ITEM	MANUFACTURER
034100	Precast Structural Concrete	Molin Concrete
034500	Precast Architectural Concrete	Molin Concrete
042000	Unit Masonry – Burnished CMU BURN - 1 Color BURN - 2 Color	Ultra by County Materials Corporation Moonbeam (63-214A) Black Granite (63-290-C)
047200	Cast Stone Masonry	Stoneworks Architectural Precast/Caststone
083613	Sectional Overhead Doors	PS Garage Doors, SD
087440	Hinges,	Don-Jo
	Operating Trim, Protective Trim, Stops and Holders	Activar Don-Jo

END OF ADDENDUM No. 2

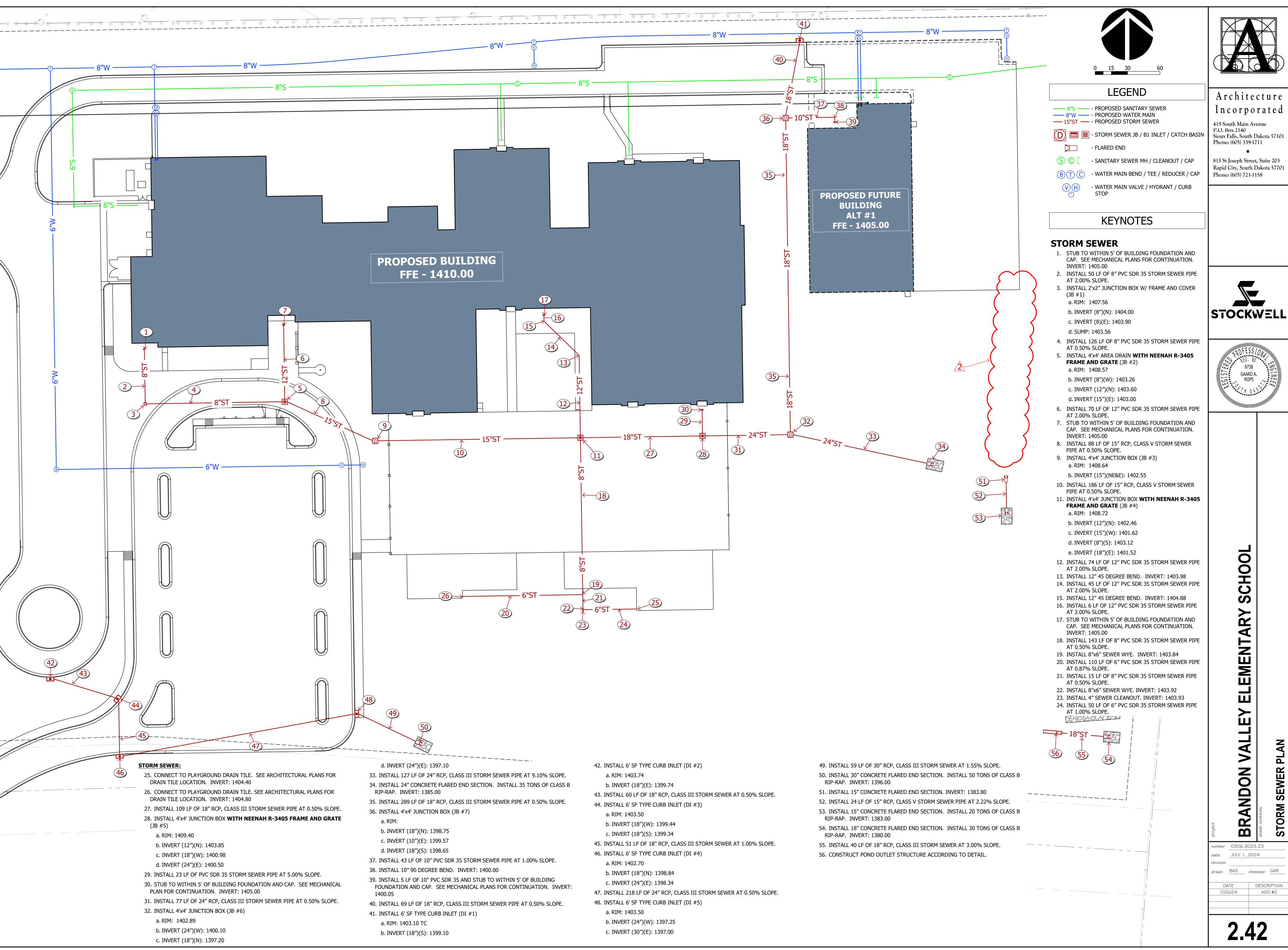


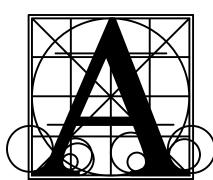


415 South Main Avenue P.O. Box 2140 Sioux Falls, South Dakota 57101 Phone: (605) 339-1711

508 7th Street, Suite 200 Rapid City, South Dakota 57701 Phone: (605) 721-1158







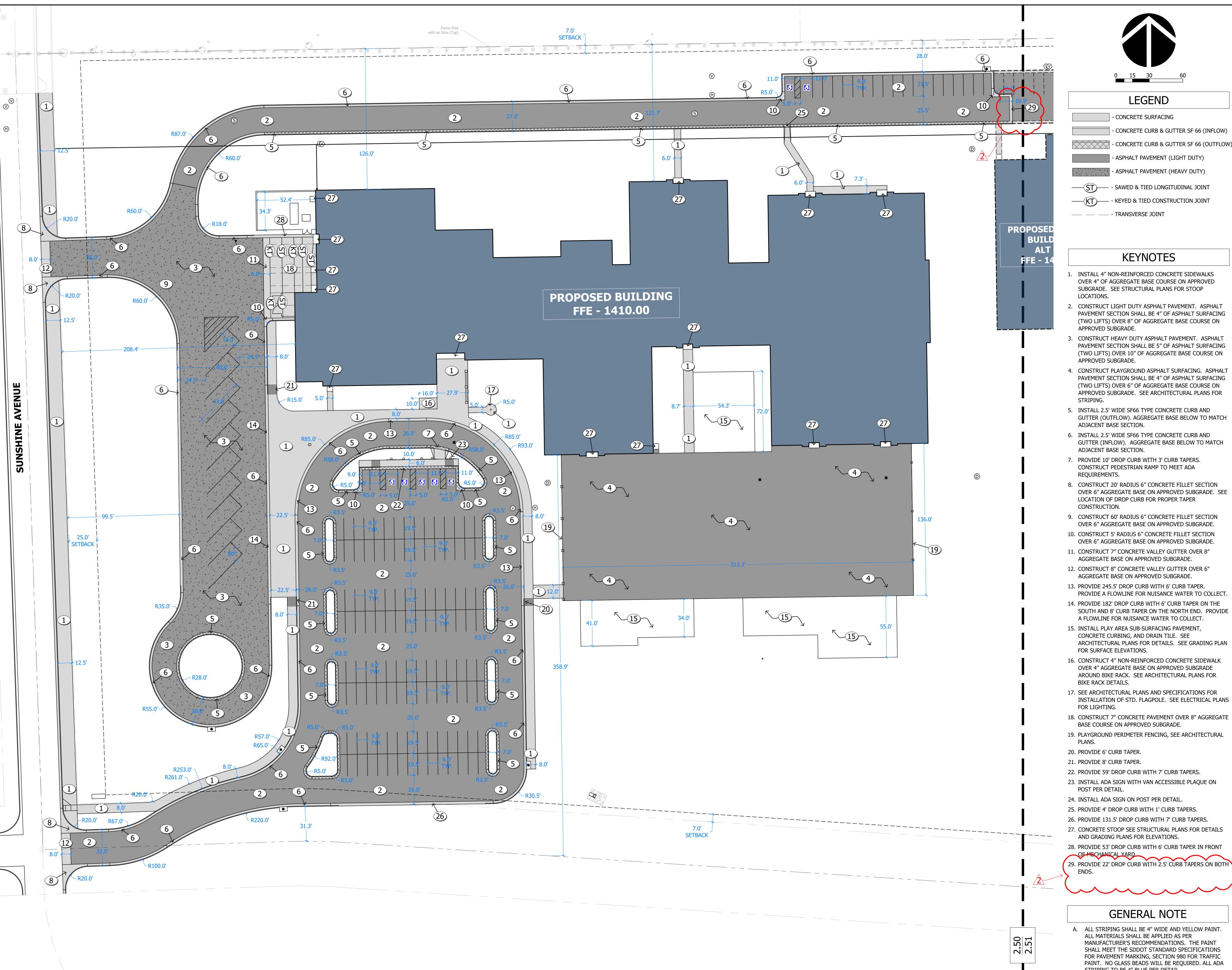
> 415 South Main Avenue P.O. Box 2140 Sioux Falls, South Dakota 57101 Phone: (605) 339-1711

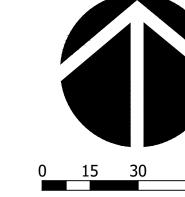
815 St Joseph Street, Suite 203 Rapid City, South Dakota 57701 Phone: (605) 721-1158

> A BR

umber 0306.3023.23 date <u>JULY</u> 1, 2024

drawn <u>BAS</u> checked <u>GAR</u> DESCRIPTION





LEGEND

- CONCRETE SURFACING

- CONCRETE CURB & GUTTER SF 66 (INFLOW) - CONCRETE CURB & GUTTER SF 66 (OUTFLOW)

ASPHALT PAVEMENT (LIGHT DUTY)

- ASPHALT PAVEMENT (HEAVY DUTY)

—(ST)—— - SAWED & TIED LONGITUDINAL JOINT

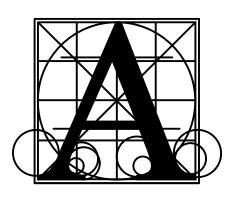
KEYNOTES

- 1. INSTALL 4" NON-REINFORCED CONCRETE SIDEWALKS OVER 4" OF AGGREGATE BASE COURSE ON APPROVED SUBGRADE. SEE STRUCTURAL PLANS FOR STOOP
- 2. CONSTRUCT LIGHT DUTY ASPHALT PAVEMENT. ASPHALT PAVEMENT SECTION SHALL BE 4" OF ASPHALT SURFACING (TWO LIFTS) OVER 8" OF AGGREGATE BASE COURSE ON
- 3. CONSTRUCT HEAVY DUTY ASPHALT PAVEMENT. ASPHALT PAVEMENT SECTION SHALL BE 5" OF ASPHALT SURFACING (TWO LIFTS) OVER 10" OF AGGREGATE BASE COURSE ON
- 4. CONSTRUCT PLAYGROUND ASPHALT SURFACING. ASPHALT PAVEMENT SECTION SHALL BE 4" OF ASPHALT SURFACING (TWO LIFTS) OVER 6" OF AGGREGATE BASE COURSE ON APPROVED SUBGRADE. SEE ARCHITECTURAL PLANS FOR
- 5. INSTALL 2.5' WIDE SF66 TYPE CONCRETE CURB AND GUTTER (OUTFLOW). AGGREGATE BASE BELOW TO MATCH ADJACENT BASE SECTION.
- 6. INSTALL 2.5' WIDE SF66 TYPE CONCRETE CURB AND GUTTER (INFLOW). AGGREGATE BASE BELOW TO MATCH ADJACENT BASE SECTION.
- 7. PROVIDE 10' DROP CURB WITH 3' CURB TAPERS. CONSTRUCT PEDESTRIAN RAMP TO MEET ADA
- 8. CONSTRUCT 20' RADIUS 6" CONCRETE FILLET SECTION OVER 6" AGGREGATE BASE ON APPROVED SUBGRADE. SEE LOCATION OF DROP CURB FOR PROPER TAPER
- 9. CONSTRUCT 60' RADIUS 6" CONCRETE FILLET SECTION OVER 6" AGGREGATE BASE ON APPROVED SUBGRADE.
- 10. CONSTRUCT 5' RADIUS 6" CONCRETE FILLET SECTION OVER 6" AGGREGATE BASE ON APPROVED SUBGRADE.
- 11. CONSTRUCT 7" CONCRETE VALLEY GUTTER OVER 8" AGGREGATE BASE ON APPROVED SUBGRADE.
- 12. CONSTRUCT 8" CONCRETE VALLEY GUTTER OVER 6" AGGREGATE BASE ON APPROVED SUBGRADE.
- 13. PROVIDE 245.5' DROP CURB WITH 6' CURB TAPER.
- 14. PROVIDE 182' DROP CURB WITH 6' CURB TAPER ON THE SOUTH AND 8' CURB TAPER ON THE NORTH END. PROVIDE
- A FLOWLINE FOR NUISANCE WATER TO COLLECT. 15. INSTALL PLAY AREA SUB-SURFACING PAVEMENT, CONCRETE CURBING, AND DRAIN TILE. SEE
- ARCHITECTURAL PLANS FOR DETAILS. SEE GRADING PLAN FOR SURFACE ELEVATIONS. 16. CONSTRUCT 4" NON-REINFORCED CONCRETE SIDEWALK
- OVER 4" AGGREGATE BASE ON APPROVED SUBGRADE AROUND BIKE RACK. SEE ARCHITECTURAL PLANS FOR
- 18. CONSTRUCT 7" CONCRETE PAVEMENT OVER 8" AGGREGATE
- 19. PLAYGROUND PERIMETER FENCING, SEE ARCHITECTURAL
- 21. PROVIDE 8' CURB TAPER.
- 23. INSTALL ADA SIGN WITH VAN ACCESSIBLE PLAQUE ON
- 24. INSTALL ADA SIGN ON POST PER DETAIL.
- 26. PROVIDE 131.5' DROP CURB WITH 7' CURB TAPERS.
- 27. CONCRETE STOOP SEE STRUCTURAL PLANS FOR DETAILS
- AND GRADING PLANS FOR ELEVATIONS. 28. PROVIDE 53' DROP CURB WITH 6' CURB TAPER IN FRONT
- OF MECHANICAL YARD

 29. PROVIDE 22' DROP CURB WITH 2.5' CURB TAPERS ON BOTH

GENERAL NOTE

A. ALL STRIPING SHALL BE 4" WIDE AND YELLOW PAINT. ALL MATERIALS SHALL BE APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS. THE PAINT SHALL MEET THE SDDOT STANDARD SPECIFICATIONS FOR PAVEMENT MARKING, SECTION 980 FOR TRAFFIC PAINT. NO GLASS BEADS WILL BE REQUIRED. ALL ADA STRIPING TO BE 4" BLUE PER DETAIL.

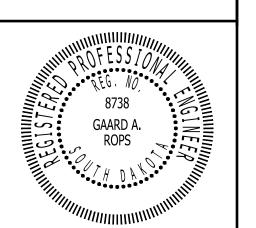


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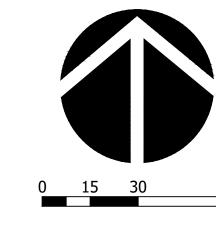
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DESCRIPTION

ADD #2



LEGEND

- CONCRETE SURFACING

- CONCRETE CURB & GUTTER SF 66 (INFLOW)

- CONCRETE CURB & GUTTER SF 66 (OUTFLOW)

- ASPHALT PAVEMENT (LIGHT DUTY)

- ASPHALT PAVEMENT (HEAVY DUTY)

- SAWED & TIED LONGITUDINAL JOINT

— — - TRANSVERSE JOINT

KEYNOTES

- INSTALL 4" NON-REINFORCED CONCRETE SIDEWALKS OVER 4" OF AGGREGATE BASE COURSE ON APPROVED SUBGRADE. SEE STRUCTURAL PLANS FOR STOOP LOCATIONS.
- 2. CONSTRUCT LIGHT DUTY ASPHALT PAVEMENT. ASPHALT PAVEMENT SECTION SHALL BE 4" OF ASPHALT SURFACING (TWO LIFTS) OVER 8" OF AGGREGATE BASE COURSE ON APPROVED SUBGRADE.
- 3. CONSTRUCT HEAVY DUTY ASPHALT PAVEMENT. ASPHALT PAVEMENT SECTION SHALL BE 5" OF ASPHALT SURFACING (TWO LIFTS) OVER 10" OF AGGREGATE BASE COURSE ON APPROVED SUBGRADE.
- 4. CONSTRUCT PLAYGROUND ASPHALT SURFACING. ASPHALT PAVEMENT SECTION SHALL BE 4" OF ASPHALT SURFACING (TWO LIFTS) OVER 6" OF AGGREGATE BASE COURSE ON APPROVED SUBGRADE. SEE ARCHITECTURAL PLANS FOR STRIPING.
- 5. INSTALL 2.5' WIDE SF66 TYPE CONCRETE CURB AND GUTTER (OUTFLOW). AGGREGATE BASE BELOW TO MATCH ADJACENT BASE SECTION.
- INSTALL 2.5' WIDE SF66 TYPE CONCRETE CURB AND GUTTER (INFLOW). AGGREGATE BASE BELOW TO MATCH ADJACENT BASE SECTION.
- 7. PROVIDE 10' DROP CURB WITH 3' CURB TAPERS. CONSTRUCT PEDESTRIAN RAMP TO MEET ADA REQUIREMENTS.
- 8. CONSTRUCT 20' RADIUS 6" CONCRETE FILLET SECTION OVER 6" AGGREGATE BASE ON APPROVED SUBGRADE. SEE LOCATION OF DROP CURB FOR PROPER TAPER CONSTRUCTION.
- 9. CONSTRUCT 60' RADIUS 6" CONCRETE FILLET SECTION OVER 6" AGGREGATE BASE ON APPROVED SUBGRADE.
- 10. CONSTRUCT 5' RADIUS 6" CONCRETE FILLET SECTION OVER 6" AGGREGATE BASE ON APPROVED SUBGRADE.
- 11. CONSTRUCT 7" CONCRETE VALLEY GUTTER OVER 8" AGGREGATE BASE ON APPROVED SUBGRADE.
- 12. CONSTRUCT 8" CONCRETE VALLEY GUTTER OVER 6"
- AGGREGATE BASE ON APPROVED SUBGRADE.
- 13. PROVIDE 245.5' DROP CURB WITH 6' CURB TAPER.
 PROVIDE A FLOWLINE FOR NUISANCE WATER TO COLLECT.
- 14. PROVIDE 182' DROP CURB WITH 6' CURB TAPER ON THE SOUTH AND 8' CURB TAPER ON THE NORTH END. PROVIDE A FLOWLINE FOR NUISANCE WATER TO COLLECT.
- 15. INSTALL PLAY AREA SUB-SURFACING PAVEMENT,
 CONCRETE CURBING, AND DRAIN TILE. SEE
 ARCHITECTURAL PLANS FOR DETAILS. SEE GRADING PLAN
 FOR SURFACE ELEVATIONS.
- 16. CONSTRUCT 4" NON-REINFORCED CONCRETE SIDEWALK OVER 4" AGGREGATE BASE ON APPROVED SUBGRADE AROUND BIKE RACK. SEE ARCHITECTURAL PLANS FOR BIKE RACK DETAILS.
- 17. SEE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR INSTALLATION OF STD. FLAGPOLE. SEE ELECTRICAL PLANS
- FOR LIGHTING.

 18. CONSTRUCT 7" CONCRETE PAVEMENT OVER 8" AGGREGATE BASE COURSE ON APPROVED SUBGRADE.
- 19. PLAYGROUND PERIMETER FENCING, SEE ARCHITECTURAL PLANS.
- 20. PROVIDE 6' CURB TAPER.
- 20. PROVIDE 6' CURB TAPER.21. PROVIDE 8' CURB TAPER.

27 PROVIDE 3' CHRR TAPER

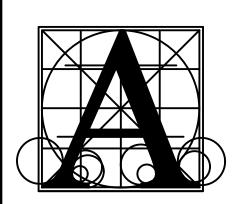
- 22. PROVIDE 59' DROP CURB WITH 7' CURB TAPERS.
- 23. INSTALL ADA SIGN WITH VAN ACCESSIBLE PLAQUE ON POST PER DETAIL.
- 24. INSTALL ADA SIGN ON POST PER DETAIL.
- 25. PROVIDE 4' DROP CURB WITH 1' CURB TAPERS.
- 26. PROVIDE 131.5' DROP CURB WITH 7' CURB TAPER.

GENERAL NOTE

A. ALL STRIPING SHALL BE 4" WIDE AND YELLOW PAINT.
ALL MATERIALS SHALL BE APPLIED AS PER
MANUFACTURER'S RECOMMENDATIONS. THE PAINT
SHALL MEET THE SDDOT STANDARD SPECIFICATIONS
FOR PAVEMENT MARKING, SECTION 980 FOR TRAFFIC
PAINT. NO GLASS BEADS WILL BE REQUIRED. ALL ADA
STRIPING TO BE 4" BLUE PER DETAIL.

ADD ALTERNATE #1

- A. CONTRACTOR TO INSTALL NEW CONCRETE CURB AND GUTTER AND ASPHALT PAVEMENT SECTION AND SDIEWALK WHERE SHOWN IF ADD ALTERNATE #1 IS ACCEPTED.
- B. IF ADD ALTERNATE IS NOT ACCEPTED, CONTRACTOR SHALL GRADE THE BUS GARAGE AND ASSOCIATED PARKING LOT AREAS TO FINISH GRADES, PLACE A MINIMUM OF 6" OF TOPSOIL OVER ALL DISTURBED AREAS. PREP TOPSOIL READY FOR SEEDING. SEEDING TO BE COMPLETED BY OWNER.

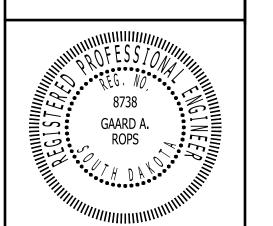


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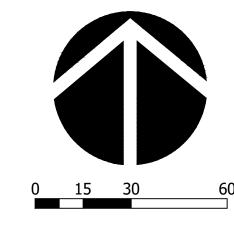
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7/26/24 ADD #2





LEGEND

--1300 -- - EXISTING CONTOURS

——————— - PROPOSED CONTOURS

1300 - SPOT ELEVATIONS

- ADA COMPLIANT TURNING SPACE

ABBREVIATIONS

TC - TOP OF CURB
TT - TOP OF TAPER
BT - BOTTOM OF TAPER
HP - HIGH POINT

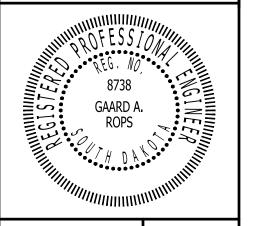
HP - HIGH POINT
LP - LOW POINT
FG - FINISHED GRADE
TOP - TOP OF PAVEMENT
POF - POINT OF FILLET
ME - MATCH EXISTING

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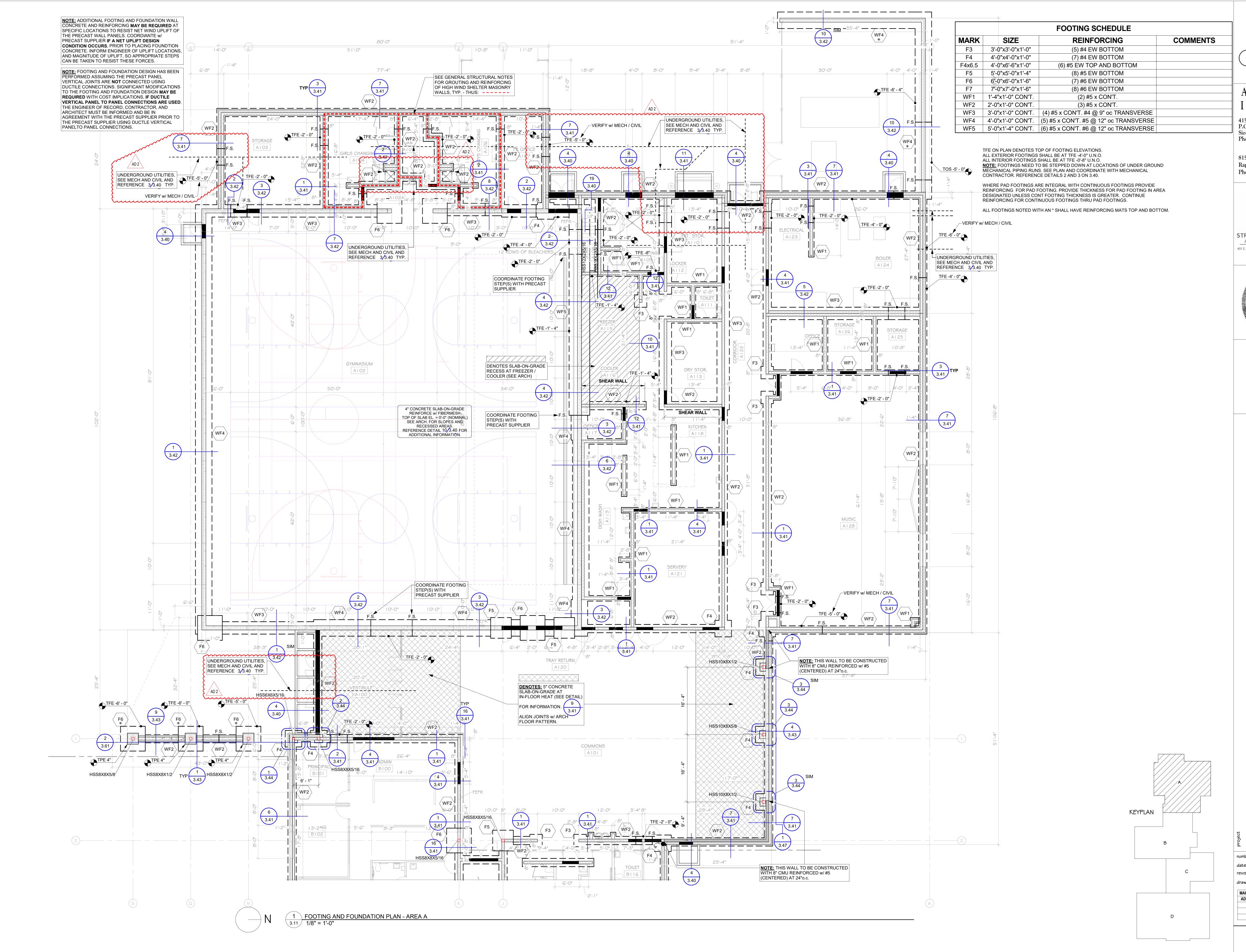
VALLEY ELEMENTARY SCHOOL

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ANDON VALLET FLEMFINIANT JOUR

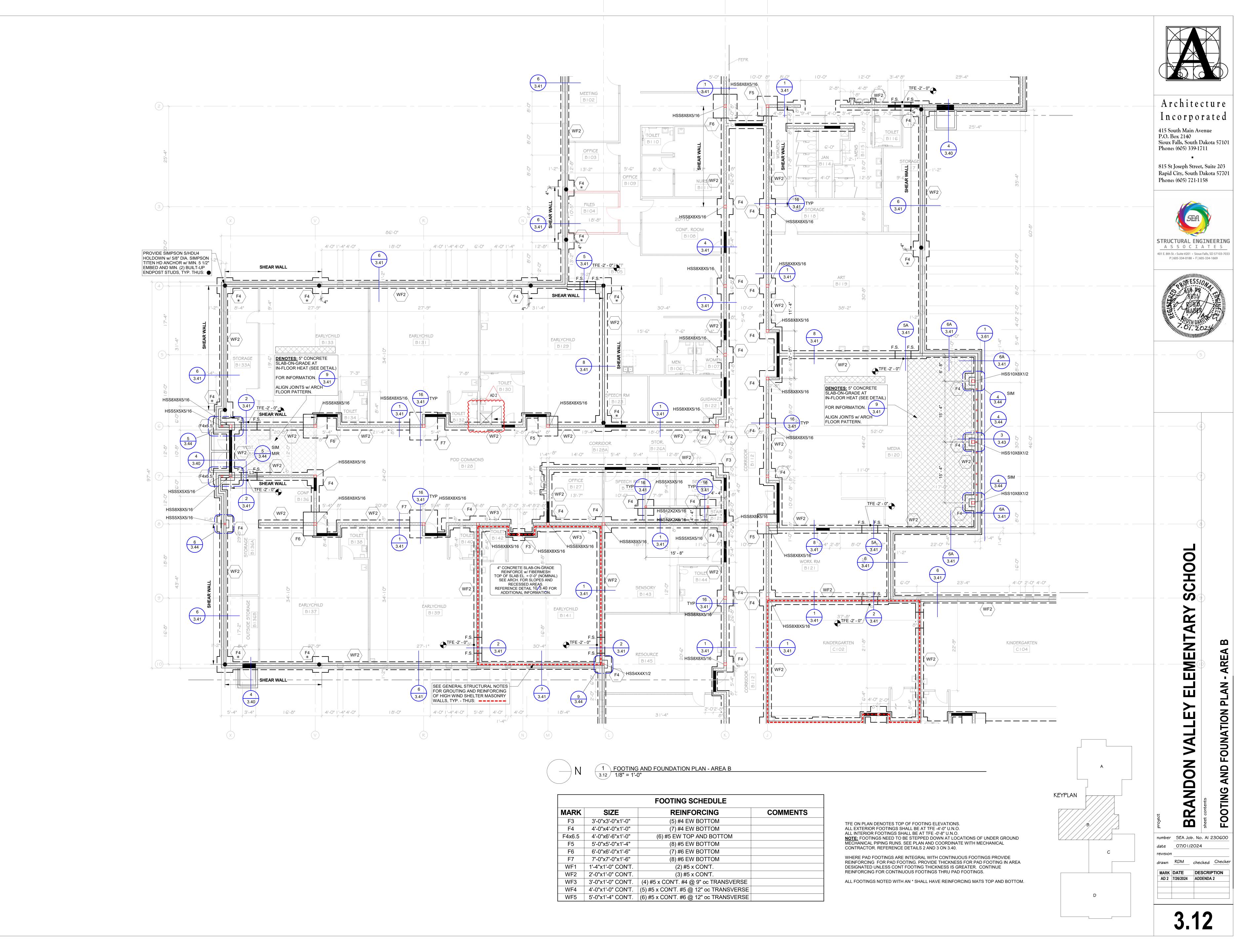
SEA Job. No. Al 2306

 revision

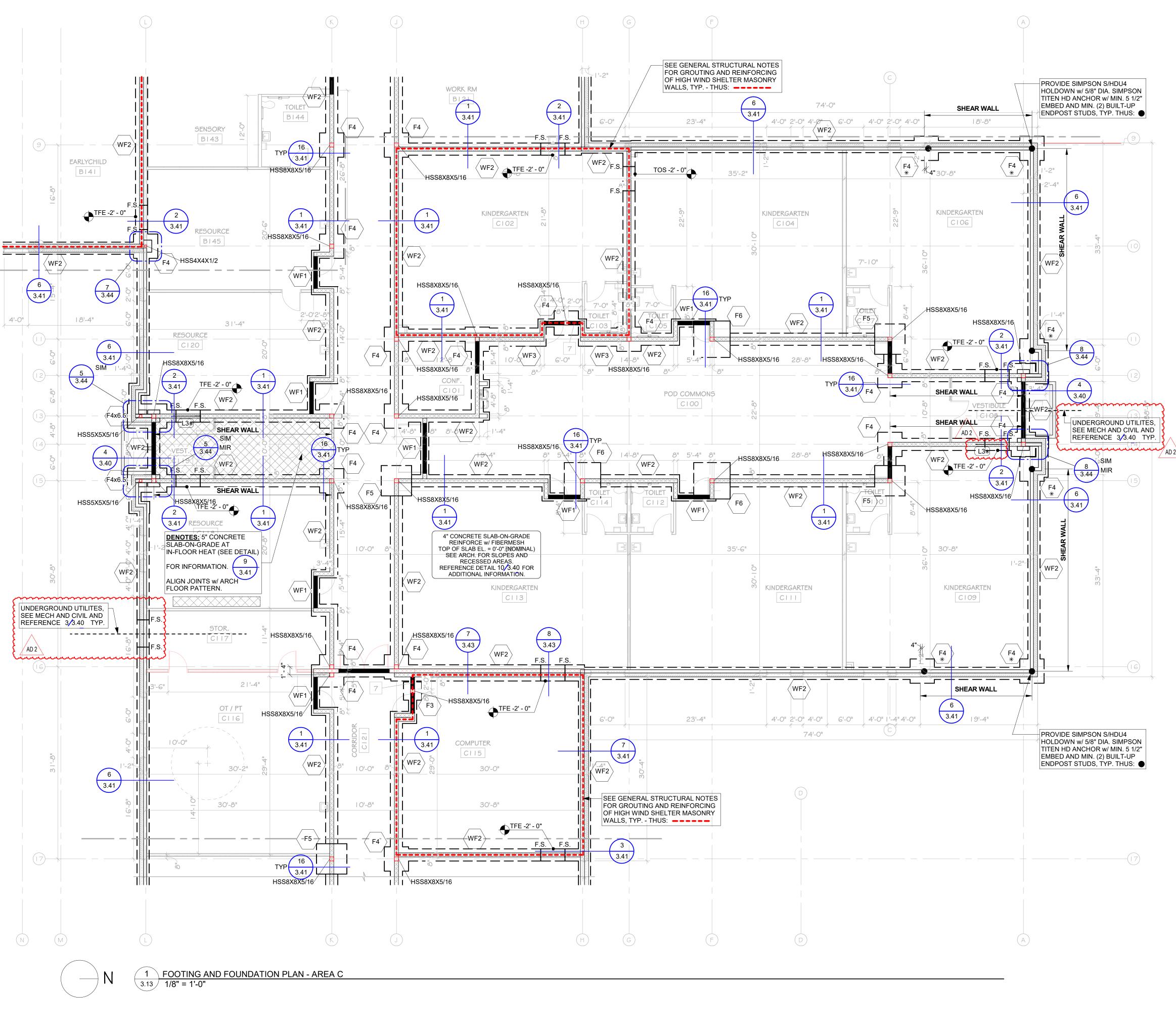
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 AD 2
 7/26/2024
 ADDENDA 2



/25/2024 3:26:01 PN



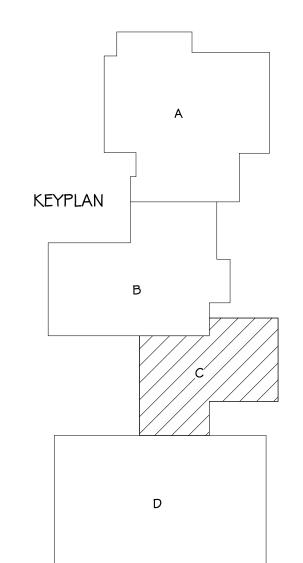
	FOOTING SCHEDULE									
MARK	SIZE	COMMENTS								
F3	3'-0"x3'-0"x1'-0"	(5) #4 EW BOTTOM								
F4	4'-0"x4'-0"x1'-0"	(7) #4 EW BOTTOM								
F4x6.5	4'-0"x6'-6"x1'-0"	(6) #5 EW TOP AND BOTTOM								
F5	5'-0"x5'-0"x1'-4"	(8) #5 EW BOTTOM								
F6	6'-0"x6'-0"x1'-6"	(7) #6 EW BOTTOM								
F7	7'-0"x7'-0"x1'-6"	(8) #6 EW BOTTOM								
WF1	1'-4"x1'-0" CON'T.	(2) #5 x CON'T.								
WF2	2'-0"x1'-0" CON'T.	(3) #5 x CON'T.								
WF3	3'-0"x1'-0" CON'T.	(4) #5 x CON'T. #4 @ 9" oc TRANSVERSE								
WF4	4'-0"x1'-0" CON'T.	(5) #5 x CON'T. #5 @ 12" oc TRANSVERSE								
WF5	5'-0"x1'-4" CON'T.	(6) #5 x CON'T. #6 @ 12" oc TRANSVERSE								

TFE ON PLAN DENOTES TOP OF FOOTING ELEVATIONS.
ALL EXTERIOR FOOTINGS SHALL BE AT TFE -4'-0" U.N.O.
ALL INTERIOR FOOTINGS SHALL BE AT TFE -0'-8" U.N.O.

NOTE: FOOTINGS NEED TO BE STEPPED DOWN AT LOCATIONS OF UNDER GROUND MECHANICAL PIPING RUNS. SEE PLAN AND COORDINATE WITH MECHANICAL CONTRACTOR. REFERENCE DETAILS 2 AND 3 ON 3.40.

WHERE PAD FOOTINGS ARE INTEGRAL WITH CONTINUOUS FOOTINGS PROVIDE REINFORCING FOR PAD FOOTING. PROVIDE THICKNESS FOR PAD FOOTING IN AREA DESIGNATED UNLESS CONT FOOTING THICKNESS IS GREATER. CONTINUE REINFORCING FOR CONTINUOUS FOOTINGS THRU PAD FOOTINGS.

ALL FOOTINGS NOTED WITH AN * SHALL HAVE REINFORCING MATS TOP AND BOTTOM.

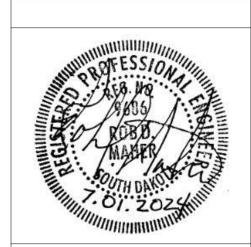


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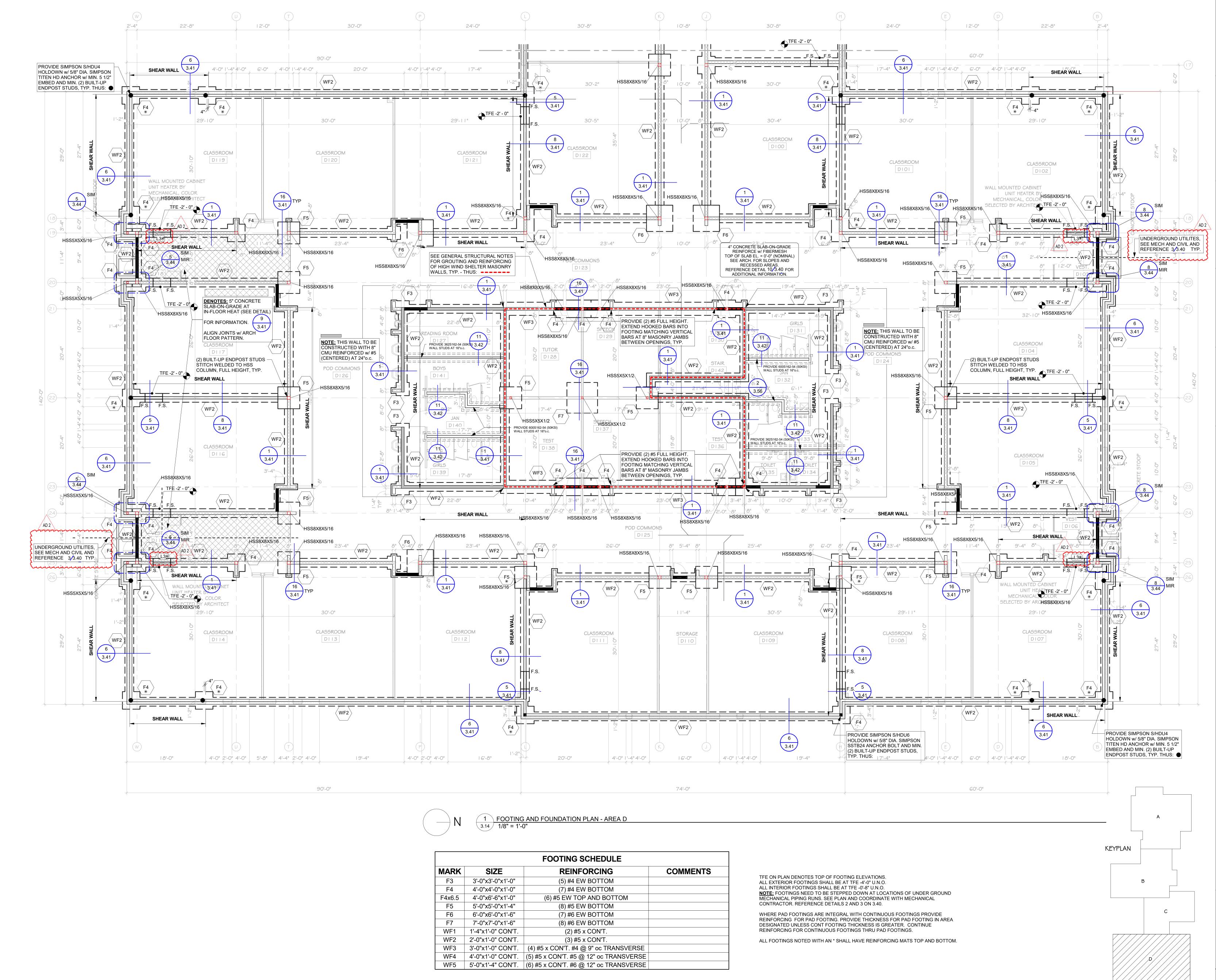
ALLEY ELEMENTARY SCHOOL

number SEA Job. No. Al 230600
date 07/01/2024
revision
drawn RDM checked MAS

MARK DATE DESCRIPTION

AD 2 7/26/2024 ADDENDA 2

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RANDON VALLEY ELEMENTARY SCHOOL

number SEA Job. No. Al 230600

date 07/01/2024

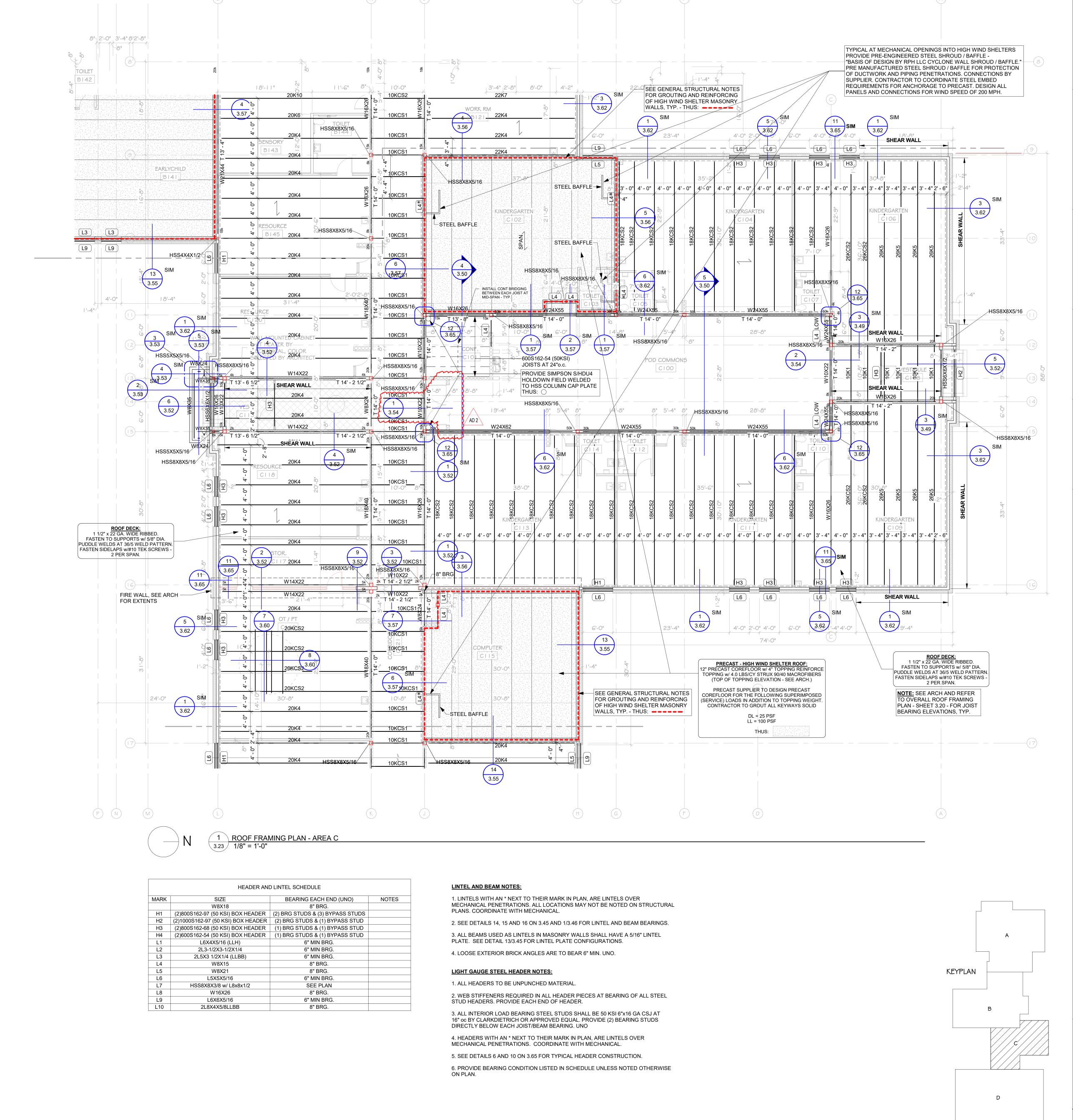
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 AD 2
 7/26/2024
 ADDENDA 2

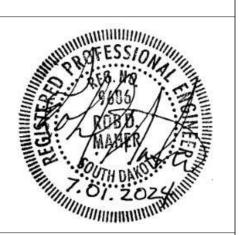


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MARK DATE DESCRIPTION
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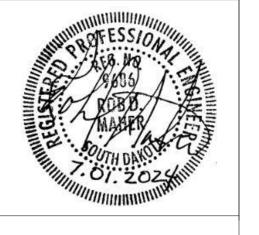


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CHO

S

MENT

	HEADER ANI	D LINTEL SCHEDULE	
MARK	SIZE	BEARING EACH END (UNO)	NOTES
	W8X18	8" BRG.	
H1	(2)800S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (3) BYPASS STUDS	
H2	(2)1000S162-97 (50 KSI) BOX HEADER	(2) BRG STUDS & (1) BYPASS STUD	
НЗ	(2)800S162-68 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
H4	(2)600S162-54 (50 KSI) BOX HEADER	(1) BRG STUDS & (1) BYPASS STUD	
L1	L6X4X5/16 (LLH)	6" MIN BRG.	
L2	2L3-1/2X3-1/2X1/4	6" MIN BRG.	
L3	2L5X3 1/2X1/4 (LLBB)	6" MIN BRG.	
L4	W8X15	8" BRG.	
L5	W8X21	8" BRG.	
L6	L5X5X5/16	6" MIN BRG.	
L7	HSS8X8X3/8 w/ L8x8x1/2	SEE PLAN	
L8	W16X26	8" BRG.	
L9	L6X6X5/16	6" MIN BRG.	
L10	2L8X4X5/8LLBB	8" BRG.	

LINTEL AND BEAM NOTES:

1. LINTELS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. ALL LOCATIONS MAY NOT BE NOTED ON STRUCTURAL PLANS. COORDINATE WITH MECHANICAL.

2. SEE DETAILS 14, 15 AND 16 ON 3.45 AND 1/3.46 FOR LINTEL AND BEAM BEARINGS.

3. ALL BEAMS USED AS LINTELS IN MASONRY WALLS SHALL HAVE A 5/16" LINTEL PLATE. SEE DETAIL 13/3.45 FOR LINTEL PLATE CONFIGURATIONS.

4. LOOSE EXTERIOR BRICK ANGLES ARE TO BEAR 6" MIN. UNO.

LIGHT GAUGE STEEL HEADER NOTES:

1. ALL HEADERS TO BE UNPUNCHED MATERIAL.

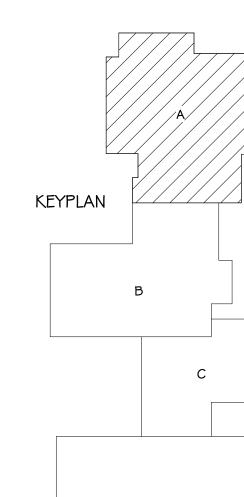
2. WEB STIFFENERS REQUIRED IN ALL HEADER PIECES AT BEARING OF ALL STEEL STUD HEADERS. PROVIDE EACH END OF HEADER.

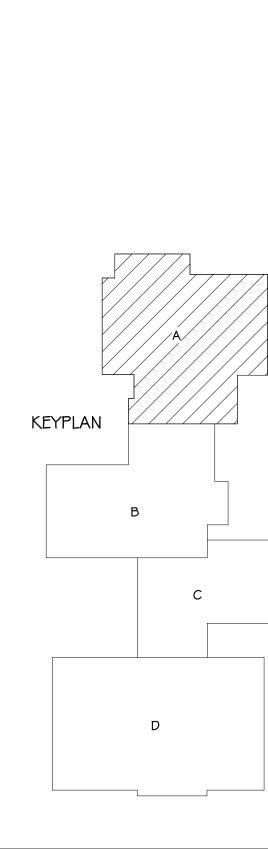
3. ALL INTERIOR LOAD BEARING STEEL STUDS SHALL BE 50 KSI 6"x16 GA CSJ AT 16" oc BY CLARKDIETRICH OR APPROVED EQUAL. PROVIDE (2) BEARING STUDS DIRECTLY BELOW EACH JOIST/BEAM BEARING. UNO

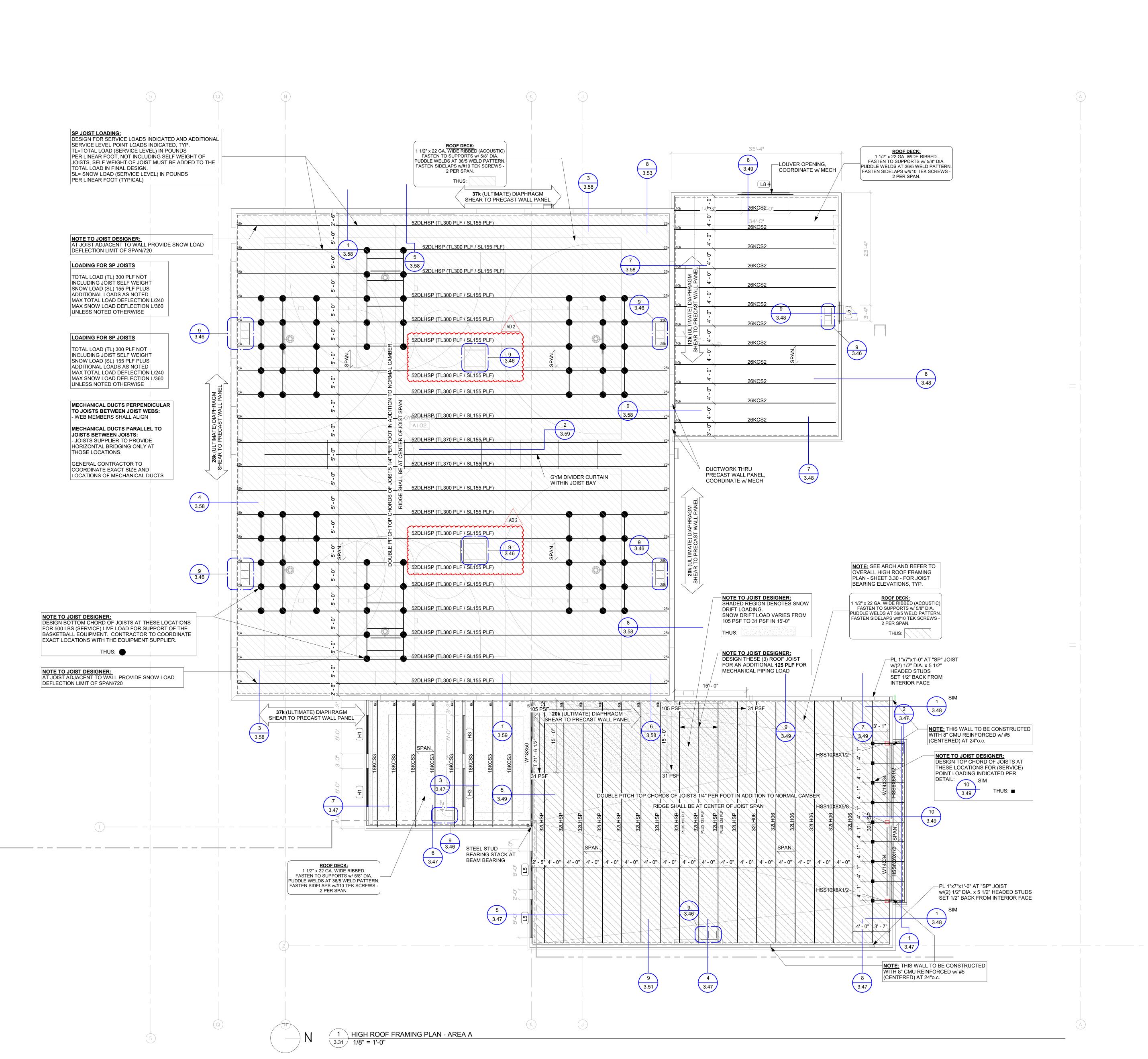
4. HEADERS WITH AN * NEXT TO THEIR MARK IN PLAN, ARE LINTELS OVER MECHANICAL PENETRATIONS. COORDINATE WITH MECHANICAL.

6. PROVIDE BEARING CONDITION LISTED IN SCHEDULE UNLESS NOTED OTHERWISE

5. SEE DETAILS 6 AND 10 ON 3.65 FOR TYPICAL HEADER CONSTRUCTION.



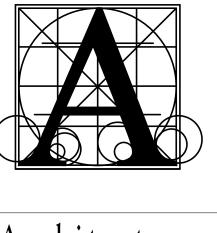




number SEA Job. No. Al 230600

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AD 2 7/26/2024 ADDENDA 2

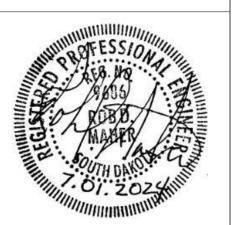




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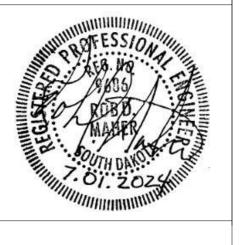




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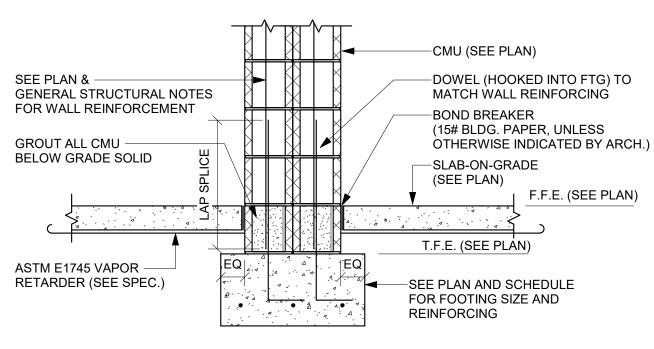
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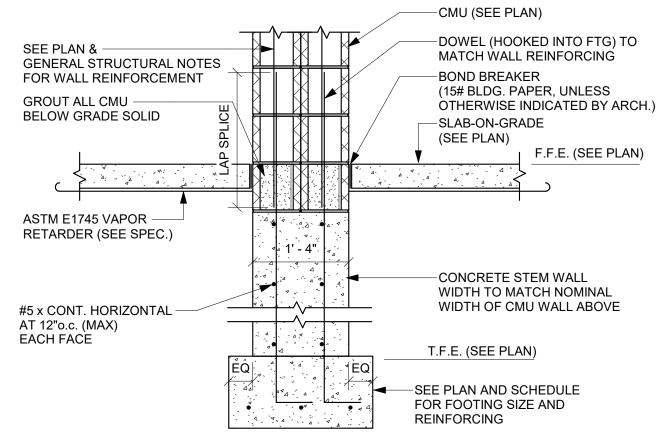
Ш

#4 DOWELS AT 12" o.c. SLAB-ON-GRADE (SEE PLAN) DRIVEWAY (SEE CIVIL)-F.F.E. (SEE PLAN) 4. -ASTM E1745 VAPOR RETARDER (SEE SPEC.) SEE ARCH. FOR DOOR -SILL MEMBER DETAIL #5 AT 12" o.c., EACH WAY --PERIMETER INSULATION (CENTERED) (SEE ARCH IF REQ.) T.F.E. (SEE PLAN) —SEE PLAN AND SCHEDULE FOR FOOTING SIZE AND REINFORCING

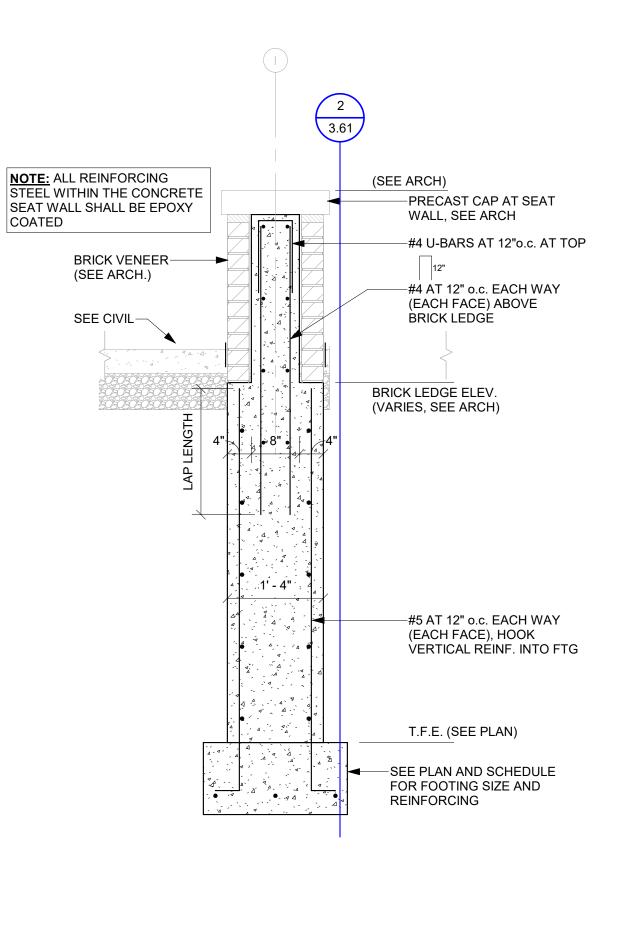
6 SLAB DETAIL AT OVERHEAD DOOR



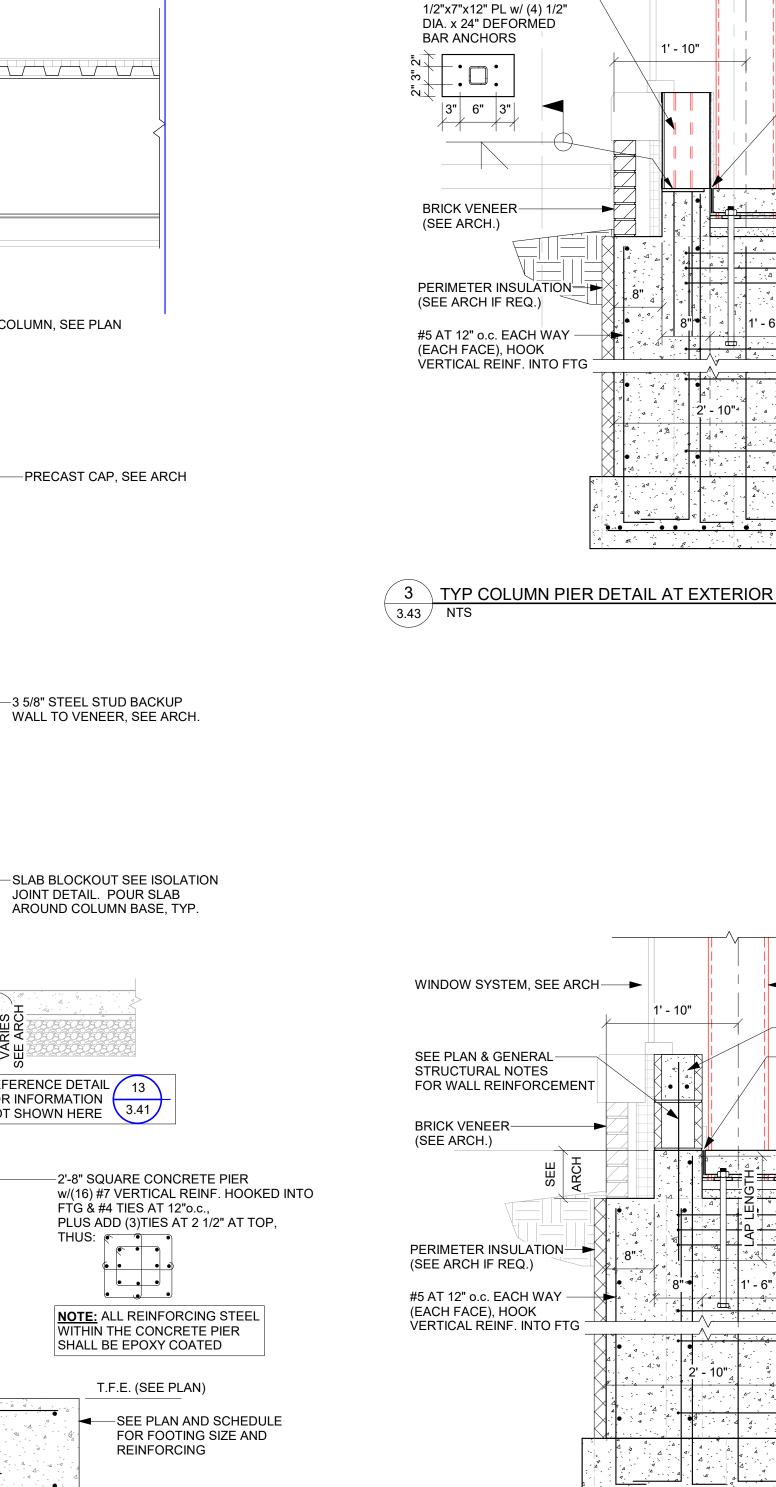
7 INTERIOR CMU FOUNDATION



8 \ INTERIOR CMU FOUNDATION AT FOOTING STEP **√3.43** / NTS







WOOD SHEATHING.
FASTEN PER GENERAL STRUCTURAL NOTES.

3/16 / 3-12

5/8" ____6" oc

CLARKDIETRICH UNICLIP ATTACH —

L5x5x5/16 CON'T PROVIDE COMPLETE PENETRATION JOINT WELD AT

SPLICES TO CREATE A CON'T ANGLE.

WELD 3/16 3-12

VENEER, SEE ARCH-

SITE CONCRETE —

VARIES, SEE CIVIL

1 CANOPY PIER AND COLUMN FRAMING DETAIL

CLARKDIETRICH UNICLIP ATTACH -

WITH MAX NUMBER OF

WITH MAX NUMBER OF

TYP ANGLE

TO BEAM

FASTENERS EACH STUD

FASTENERS EACH STUD

TYP ANGLE TO

BEAM WELD

DECK TO L

→ STEEL COLUMN, SEE PLAN

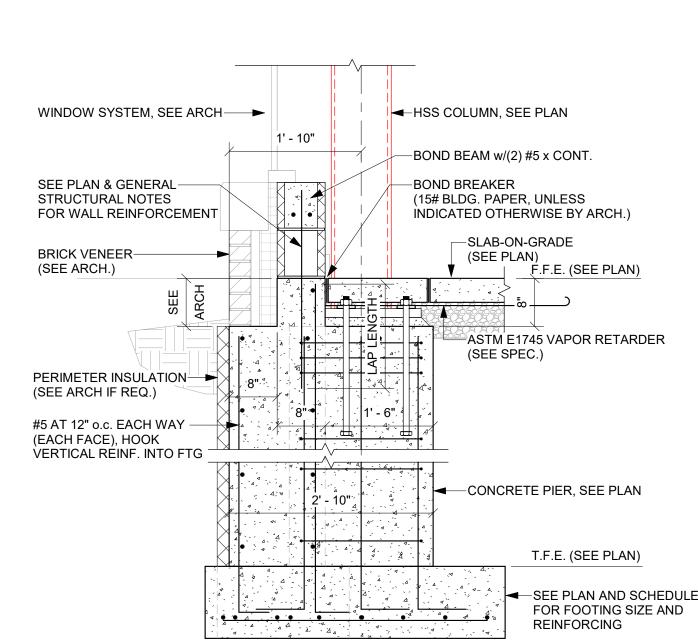
REFERENCE DETAIL 13

NOT SHOWN HERE 3.41

• •

FOR INFORMATION (-

3.53





WINDOW SYSTEM, SEE ARCH →

1' - 10"

HSS3x3x5/16 AT 32"o.c. w/ -

**

──HSS COLUMN, SEE PLAN

-BOND BREAKER

(15# BLDG. PAPER, UNLESS

-SLAB-ON-GRADE

(SEE PLAN)

(SEE SPEC.)

INDICATED OTHERWISE BY ARCH.)

F.F.E. (SEE PLAN)

ASTM E1745 VAPOR RETARDER

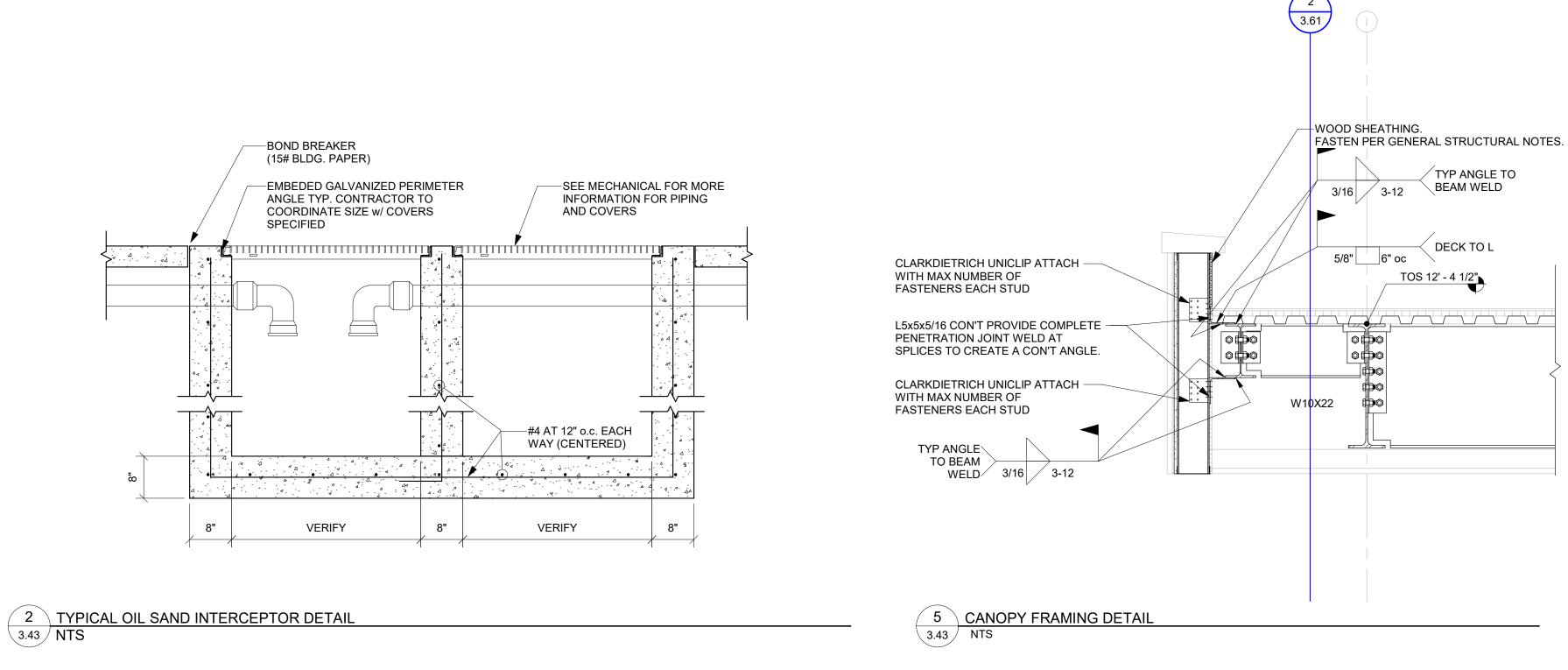
← CONCRETE PIER, SEE PLAN

T.F.E. (SEE PLAN)

REINFORCING

SEE PLAN AND SCHEDULE

FOR FOOTING SIZE AND



number SEA Job. No. Al 230600

drawn RDM checked Checker

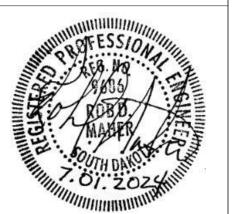
MARK DATE DESCRIPTION AD 2 7/26/2024 ADDENDA 2

date 07/01/2024

415 South Main Avenue P.O. Box 2140 Sioux Falls, South Dakota 57101 Phone: (605) 339-1711

815 St Joseph Street, Suite 203 Rapid City, South Dakota 57701 Phone: (605) 721-1158

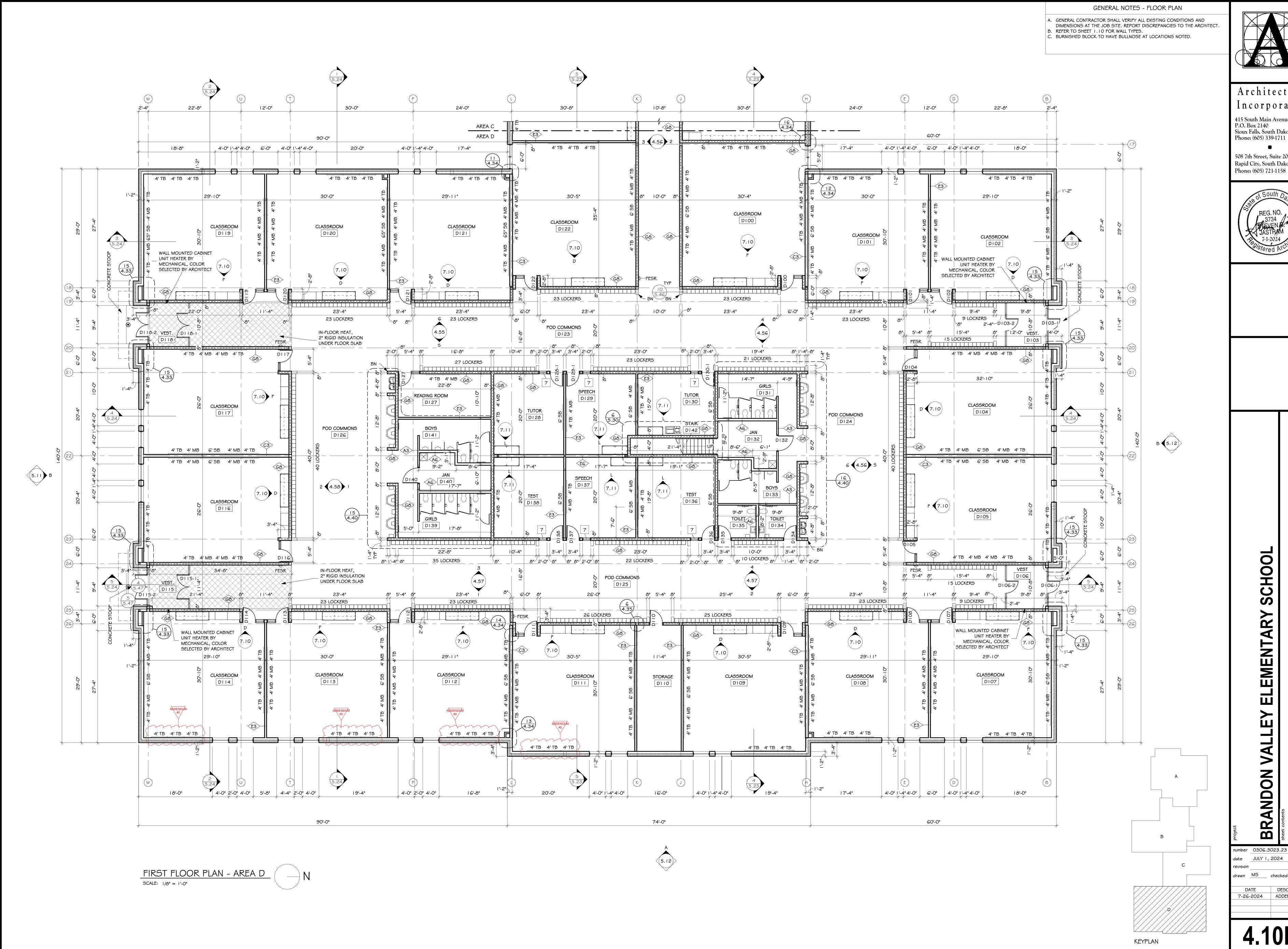




SCH001 **ELEMENTARY** LEY

9 number SEA Job. No. Al 230600

drawn RDM checked MAS MARK DATE DESCRIPTION AD 2 7/26/2024 ADDENDA 2

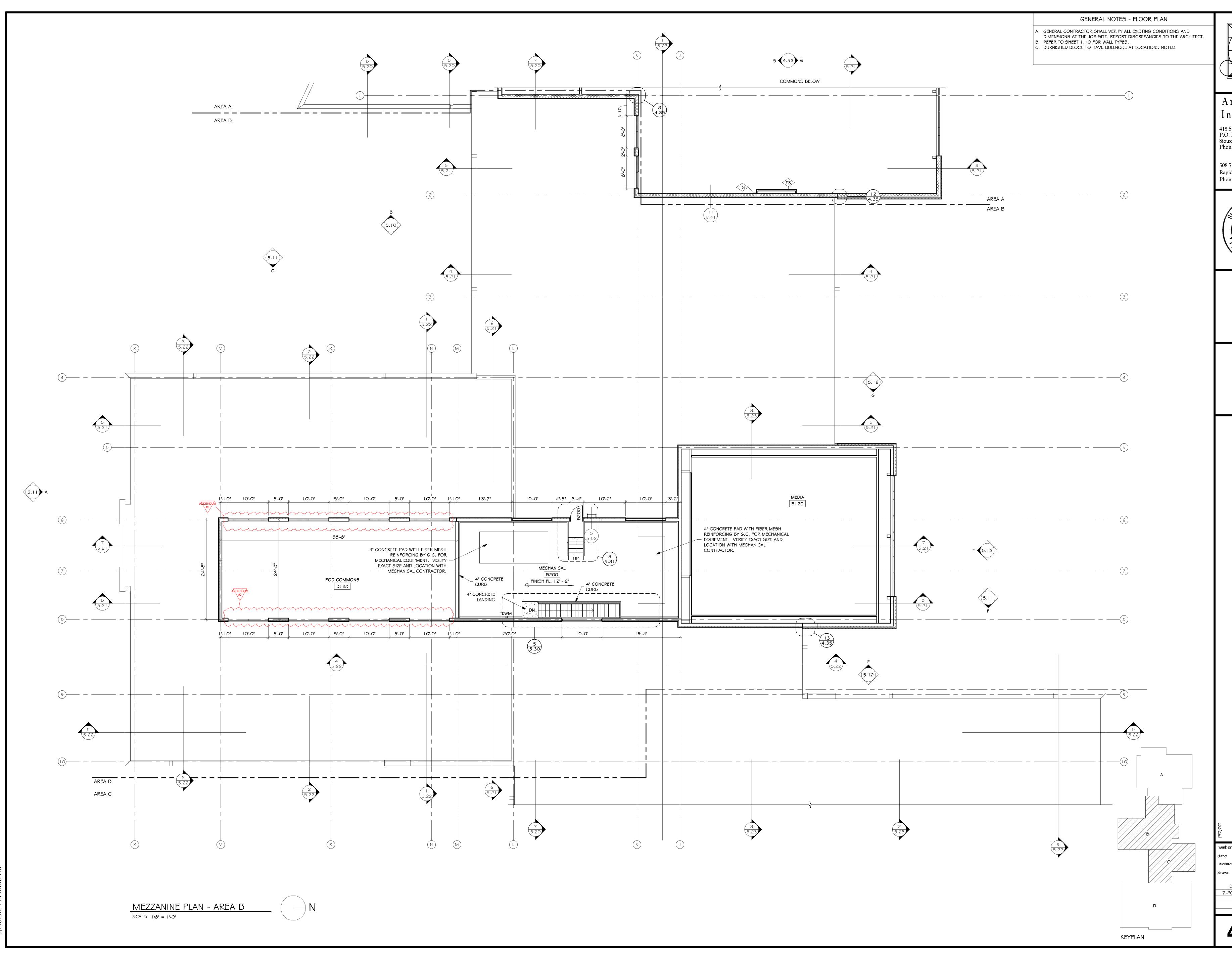


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drawn MS checked SRJ 7-26-2024 ADDENDUM #2



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ON VALLEY ELEMENTARY SCHOOL

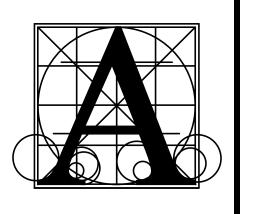
BRAND sheet contents

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 DESCRIPTION

 7-26-2024
 ADDENDUM #2

4.11B



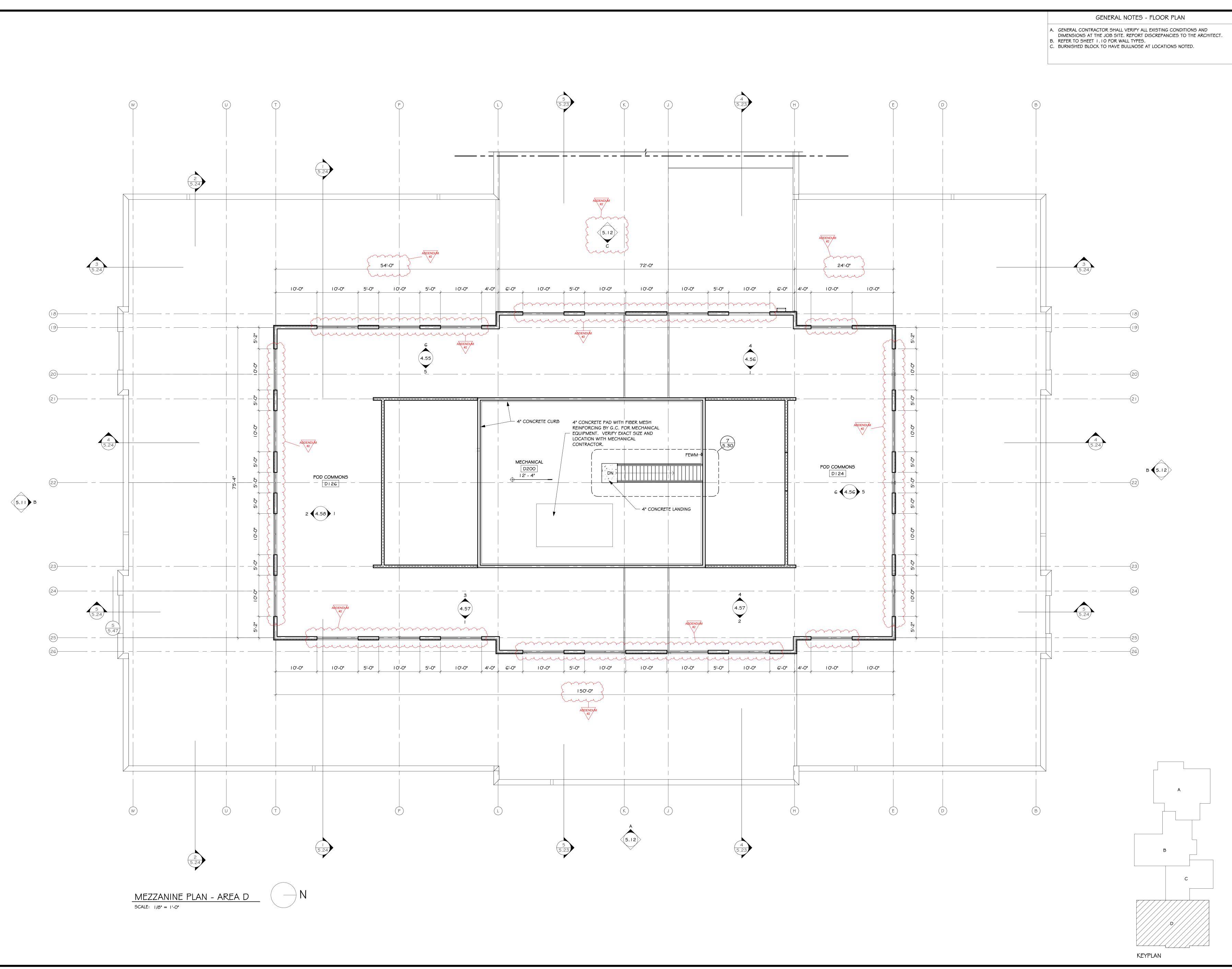
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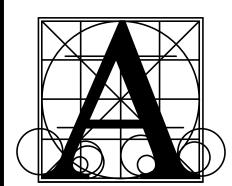
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7-26-2024 ADDENDUM #2

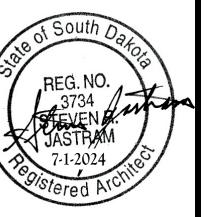
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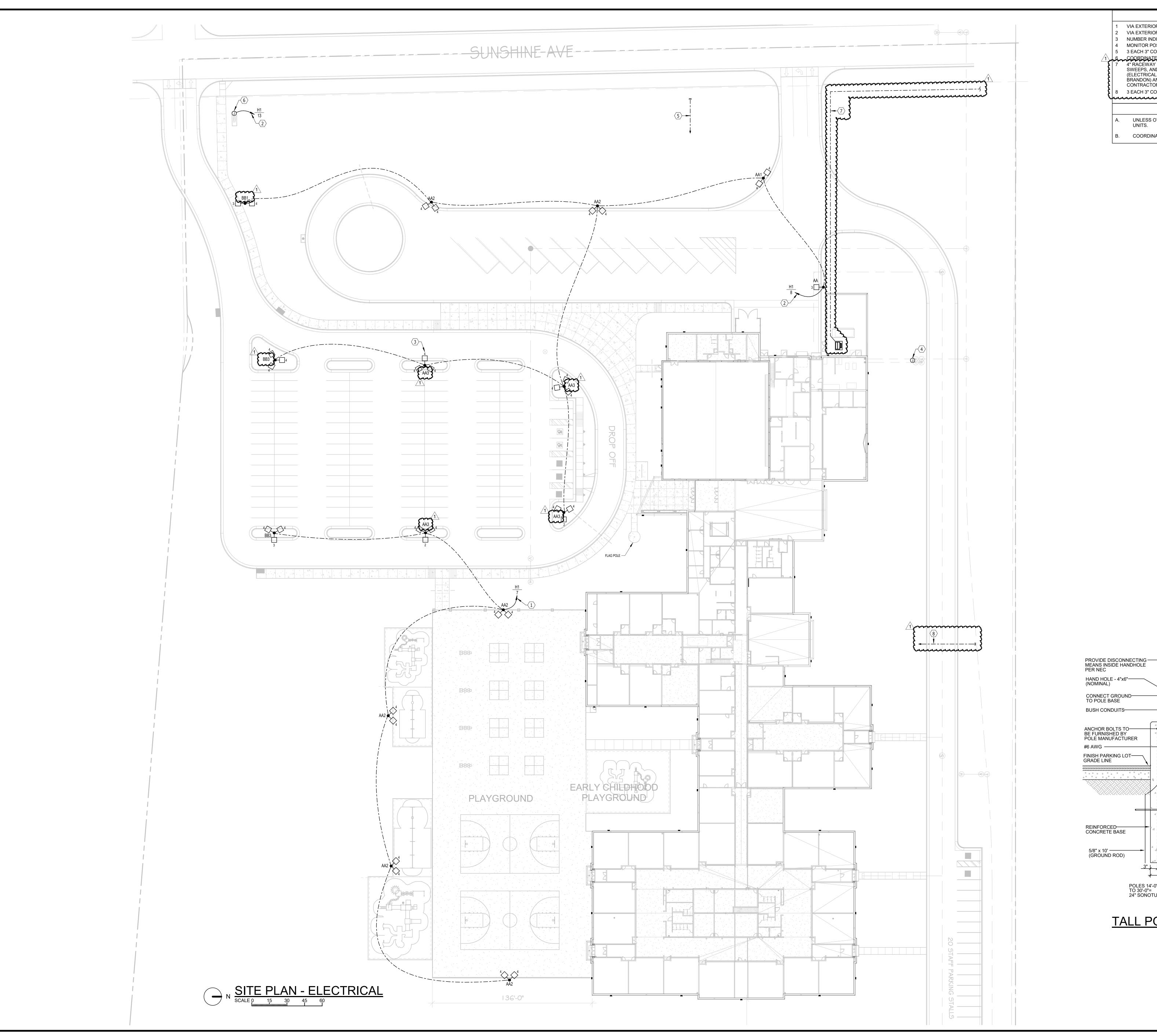


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7-26-2024 ADDENDUM #2



> ELECTRICAL NOTES

VIA EXTERIOR LIGHTING CONTACTOR "ELC2".

VIA EXTERIOR LIGHTING CONTACTOR "ELC1". NUMBER INDICATES LUMINAIRE OPTICAL DISTRIBUTION TYPE, TYPICAL.

MONITOR POST INDICATOR VALVE WITH FIRE ALARM SYSTEM. 3 EACH 3" CONDUIT TO TELECOM UTILITY DEMAR LOCATION IN SERVER B124.

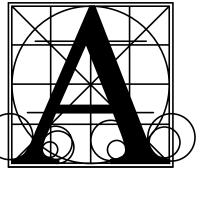
4" RACEWAY FOR ELECTRIC UTILITY PRIMARY CONDUCTORS. RACEWAY, SWEEPS, AND PULL STRING FURNISHED BY SIOUX VALLEY ENERGY (ELECTRICAL CONTRACTOR TO PICK UP AT SIOUX VALLEY ENERGY'S OFFICE IN BRANDON) AND INSTALLED (MINIMUM OF 48" DEEP) BY THE ELECTRICAL

3 EACH 3" CONDUIT TO TELECOM UTILITY DEMARC LOCATION IN ROOM B124.

UNLESS OTHERWISE NOTED, PROVIDE TALL POLE BASES FOR SITE LIGHTING

GENERAL SHEET NOTES

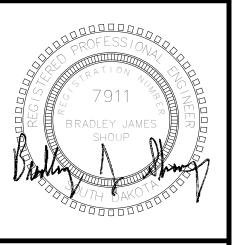
COORDINATE ALL WORK WITH SITE CONSTRUCTION CONTRACTORS.



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> SCHOOL ARY ELEMENT

PROJECT ANCHOR BOLTS 3" ABOVE TOP OF BASE. PROVIDE DOUBLE NUTS FOR LEVELING UNIT (ONE ABOVE AND ONE BELOW BASE FLANGE) GROUT VOID BETWEEN BASE FLANGE AND TOP OF CONCRETE AND HAND FINISH.

_____1" CHAMFER

SEE PLANS FOR TYPE OF WIRING

— 4 NO. 5 REBARS

POLES 14'-0"— TO 30'-0"= 24" SONOTUBE

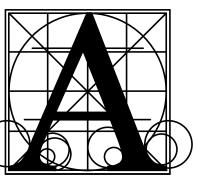
TALL POLE BASE DETAIL

BRAN number 0306.3023.23 date JULY 1, 2024

NOON

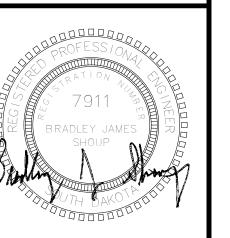
drawn <u>KMT</u> checked <u>BJS</u> DATE DESCRIPTION 7-26-24 Addendum #2





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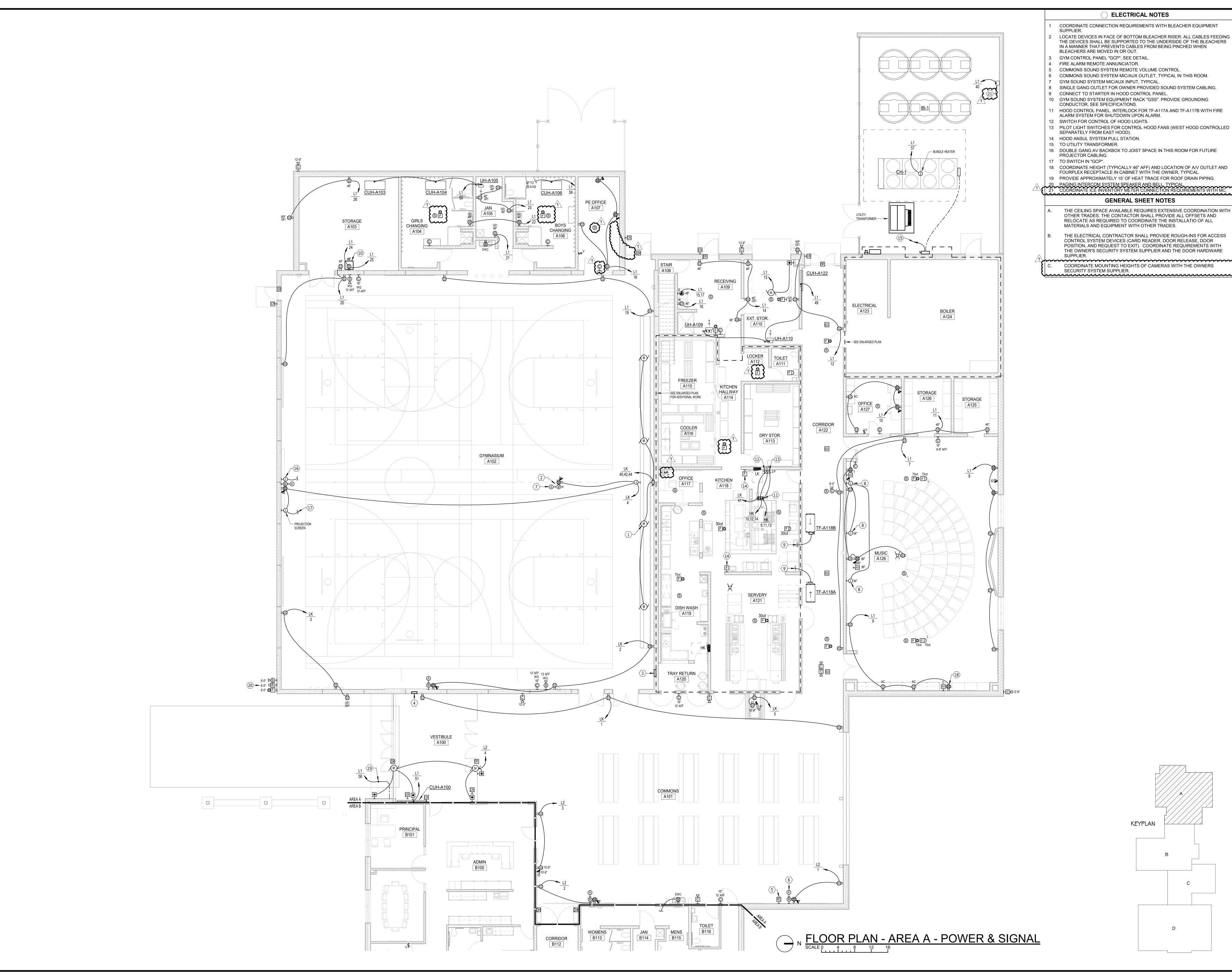
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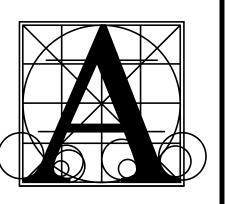


- COORDINATE CONNECTION REQUIREMENTS WITH BLEACHER EQUIPMENT
 - LOCATE DEVICES IN FACE OF BOTTOM BLEACHER RISER. ALL CABLES FEEDING THE DEVICES SHALL BE SUPPORTED TO THE UNDERSIDE OF THE BLEACHERS IN A MANNER THAT PREVENTS CABLES FROM BEING PINCHED WHEN
 - GYM CONTROL PANEL "GCP", SEE DETAIL.
 - FIRE ALARM REMOTE ANNUNCIATOR.
 - COMMONS SOUND SYSTEM REMOTE VOLUME CONTROL. COMMONS SOUND SYSTEM MIC/AUX OUTLET, TYPICAL IN THIS ROOM.
- 8 SINGLE GANG OUTLET FOR OWNER PROVIDED SOUND SYSTEM CABLING. 9 CONNECT TO STARTER IN HOOD CONTROL PANEL.
- 10 GYM SOUND SYSTEM EQUIPMENT RACK "GSS". PROVIDE GROUNDING CONDUCTOR, SEE SPECIFICATIONS.
- ALARM SYSTEM FOR SHUTDOWN UPON ALARM. 12 SWITCH FOR CONTROL OF HOOD LIGHTS.
- 13 PILOT LIGHT SWITCHES FOR CONTROL HOOD FANS (WEST HOOD CONTROLLED SEPARATELY FROM EAST HOOD).
- 14 HOOD ANSUL SYSTEM PULL STATION.
- 18 COORDINATE HEIGHT (TYPICALLY 46" AFF) AND LOCATION OF A/V OUTLET AND
- FOURPLEX RECEPTACLE IN CABINET WITH THE OWNER, TYPICAL.

19 PROVIDE APPROXIMATELY 15' OF HEAT TRACE FOR ROOF DRAIN PIPING. 20 PAGING INTERCOM SYSTEM SPEAKER AND BELL, TYPICAL. 21 COORDINATE ICE INVENTORY METER CONNECTION REQUIREMENTS WITH MC.

GENERAL SHEET NOTES

- OTHER TRADES. THE CONTACTOR SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATIO OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-INS FOR ACCESS CONTROL SYSTEM DEVICES (CARD READER, DOOR RELEASE, DOOR POSITION, AND REQUEST TO EXIT). COORDINATE REQUIREMENTS WITH THE OWNER'S SECURITY SYSTEM SUPPLIER AND THE DOOR HARDWARE
- COORDINATE MOUNTING HEIGHTS OF CAMERAS WITH THE OWNERS



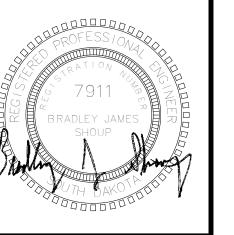
Architecture Incorporated

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Sioux Falls, South Dakota 57101

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KEYPLAN ////

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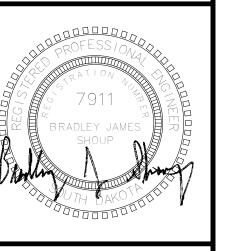
GENERAL SHEET NOTES

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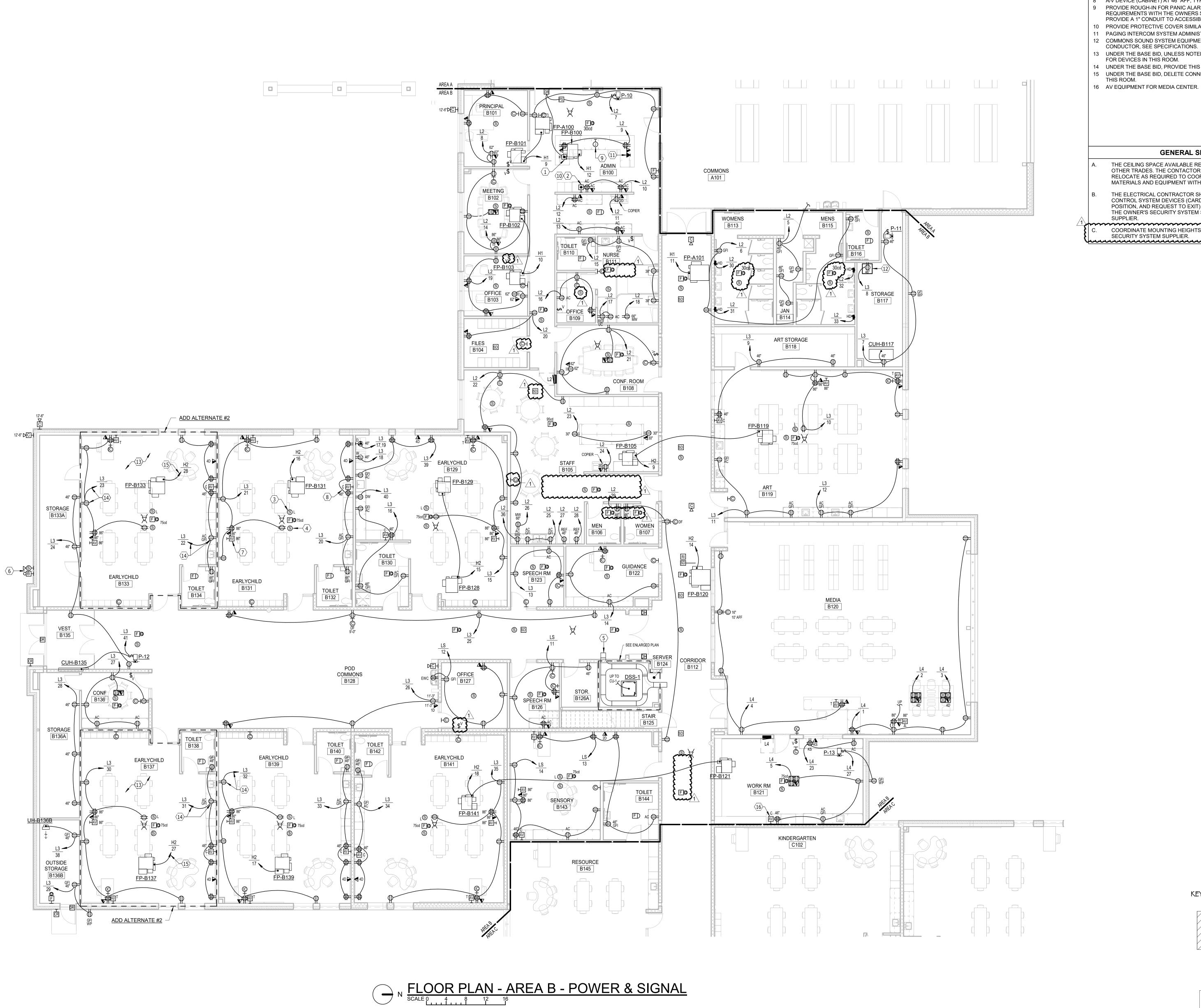
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number 0306.3023.23 date JULY 1, 2024

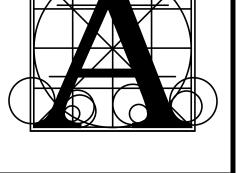
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> ELECTRICAL NOTES

- PROVIDE MOMENTARY PUSH BUTTON SWITCH FOR RELEASE OF DOOR B100. MASS NOTIFICATION MUSHROOM HEAD PUSHBUTTON SWITCH. INTERLOCK
- WITH THE FIRE ALARM SYSTEM (MASS NOTIFICATION ACTIVATION). A/V SOUND SYSTEM SPEAKER, TYPICAL. SEE DETAIL.
- 4 PAGING INTERCOM SPEAKER, TYPICAL.
- 5 CABLE TRAY, SEE SPECIFICATIONS. 6 INTERCOM AND PROGRAM CLOCK SYSTEM SPEAKER AND BELL. 7 A/V DEVICE (PROMETHEAN BOARD), TYPICAL. SEE DETAIL.
- 8 A/V DEVICE (CABINET) AT 46" AFF, TYPICAL. SEE DETAIL. PROVIDE ROUGH-IN FOR PANIC ALARM PUSHBUTTON, COORDINATE REQUIREMENTS WITH THE OWNERS SECURITY SYSTEMS CONTRACTOR.
- PROVIDE A 1" CONDUIT TO ACCESSIBLE CEILING SPACE IN THIS ROOM. 10 PROVIDE PROTECTIVE COVER SIMILAR TO STI 13020CR.
- 11 PAGING INTERCOM SYSTEM ADMINISTRATIVE CONTROL CONSOLE.
- 12 COMMONS SOUND SYSTEM EQUIPMENT RACK "CSS". PROVIDE GROUNDING CONDUCTOR, SEE SPECIFICATIONS.
- 13 UNDER THE BASE BID, UNLESS NOTED OTHERWISE, PROVIDE ROUGH-INS ONLY FOR DEVICES IN THIS ROOM. 14 UNDER THE BASE BID, PROVIDE THIS DEVICE AND BRANCH CIRCUIT HOME RUN.
- 15 UNDER THE BASE BID, DELETE CONNECTION TO FAN POWERED VAV UNIT IN
- THIS ROOM.



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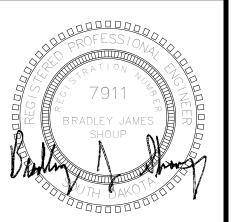
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GENERAL SHEET NOTES

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COORDINATE MOUNTING HEIGHTS OF CAMERAS WITH THE OWNERS SECURITY SYSTEM SUPPLIER.





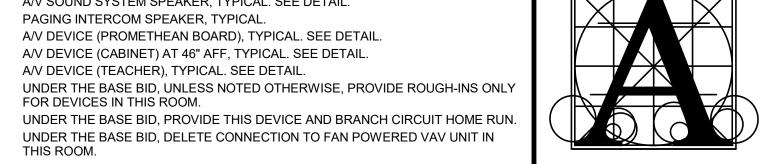
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> ELECTRICAL NOTES

- A/V SOUND SYSTEM SPEAKER, TYPICAL. SEE DETAIL.
- PAGING INTERCOM SPEAKER, TYPICAL. 3 A/V DEVICE (PROMETHEAN BOARD), TYPICAL. SEE DETAIL.
- 4 A/V DEVICE (CABINET) AT 46" AFF, TYPICAL. SEE DETAIL.
- 5 A/V DEVICE (TEACHER), TYPICAL. SEE DETAIL. 6 UNDER THE BASE BID, UNLESS NOTED OTHERWISE, PROVIDE ROUGH-INS ONLY FOR DEVICES IN THIS ROOM. UNDER THE BASE BID, PROVIDE THIS DEVICE AND BRANCH CIRCUIT HOME RUN.



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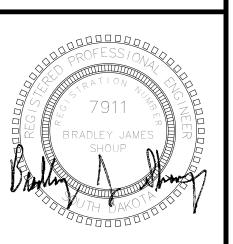
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COORDINATE MOUNTING HEIGHTS OF CAMERAS WITH THE OWNERS SECURITY SYSTEM SUPPLIER.





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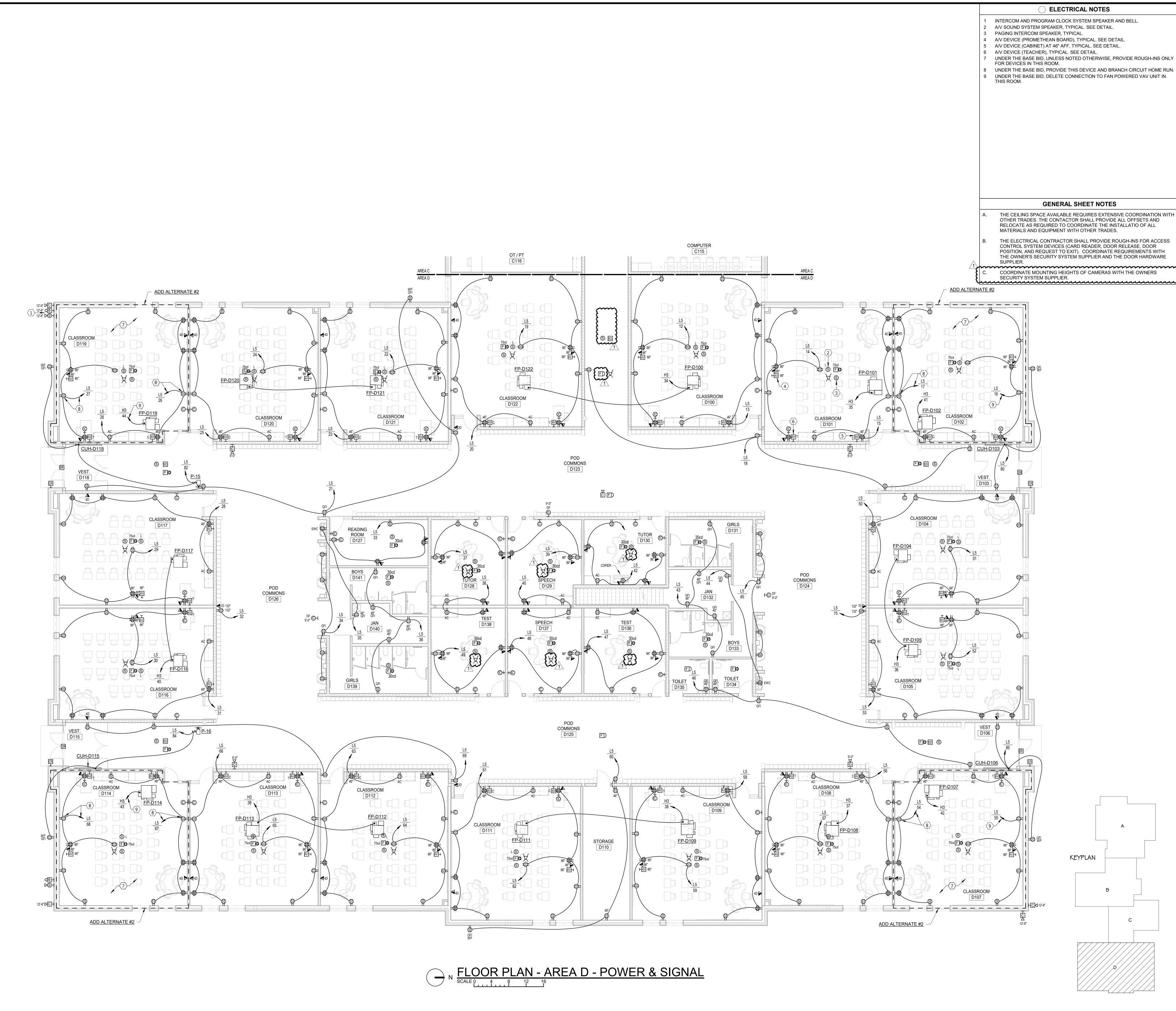
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POSITION, AND REQUEST TO EXIT). COORDINATE REQUIREMENTS WITH

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number 0306.3023.23

7-26-24

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> ELECTRICAL NOTES

- VERIFY EXACT LOCATION OF SCOREBOARD RECEPTACLE WITH THE OWNER. COORDINATE LOCATION OF PROJECTOR WITH THE OWNER. COORDINATE CONNECTION REQUIREMENTS WITH BACKBOARD EQUIPMENT
- SUPPLIER, TYPICAL.
- COORDINATE CONNECTION REQUIREMENTS WITH DIVIDER CURTAIN SUPPLIER,
- GYM SOUND SYSTEM SPEAKER, TYPICAL. MOUNT BETWEEN JOISTS WITH UNISTRUT SO THAT BOTTOM OF SPEAKER IS LEVEL WITH BOTTOM OF JOISTS.
- MOUNT TO BOTTOM OF JOIST, TYPICAL IN THIS ROOM. GYM SOUND SYSTEM WIRELESS MICROPHONE ANTENNA.
- 8 TO SWITCH IN "GCP". 9 TO GYM SOUND RACK.
- 10 CONNECT TO STARTER IN HOOD CONTROL PANEL. 11 ALL 120V RECEPTACLE BRANCH CIRCUITS IN THIS ROOM SHALL BE #10 AWG
- THROUGHOUT.
- 12 TO COMMONS SOUND SYSTEM EQUIPMENT RACK.
- 13 COMMONS SOUND SYSTEM SPEAKER, TYPICAL. 14 COMMONS SOUND SYSTEM WIRELESS MICROPHONE ANTENNA.

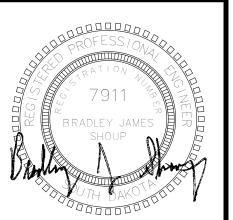
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GENERAL SHEET NOTES

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- COORDINATE MOUNTING HEIGHTS OF CAMERAS WITH THE OWNERS SECURITY SYSTEM SUPPLIER.



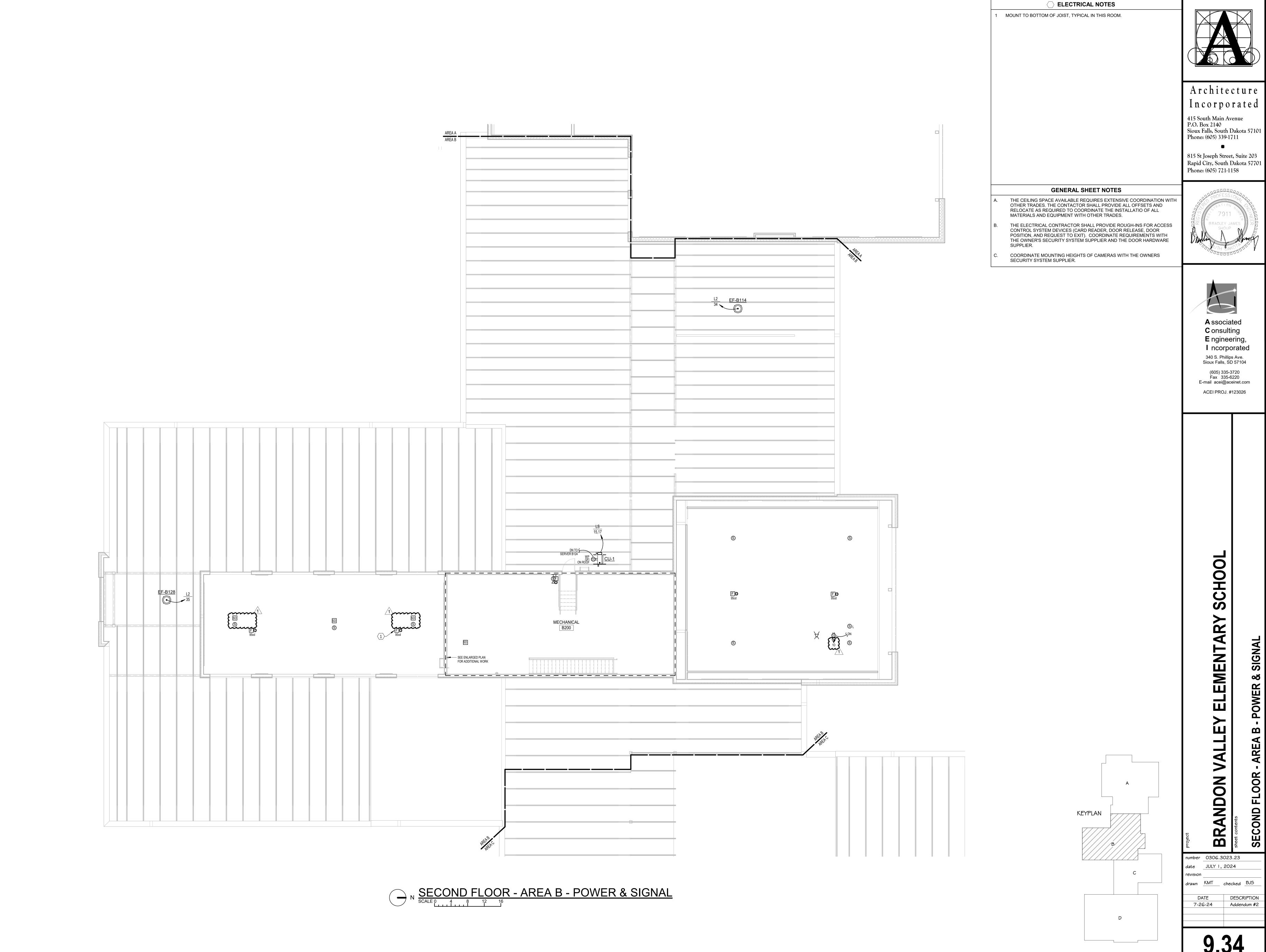


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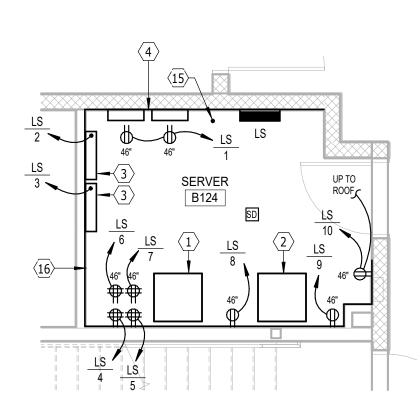
SCHOOL **ELEMENTARY**

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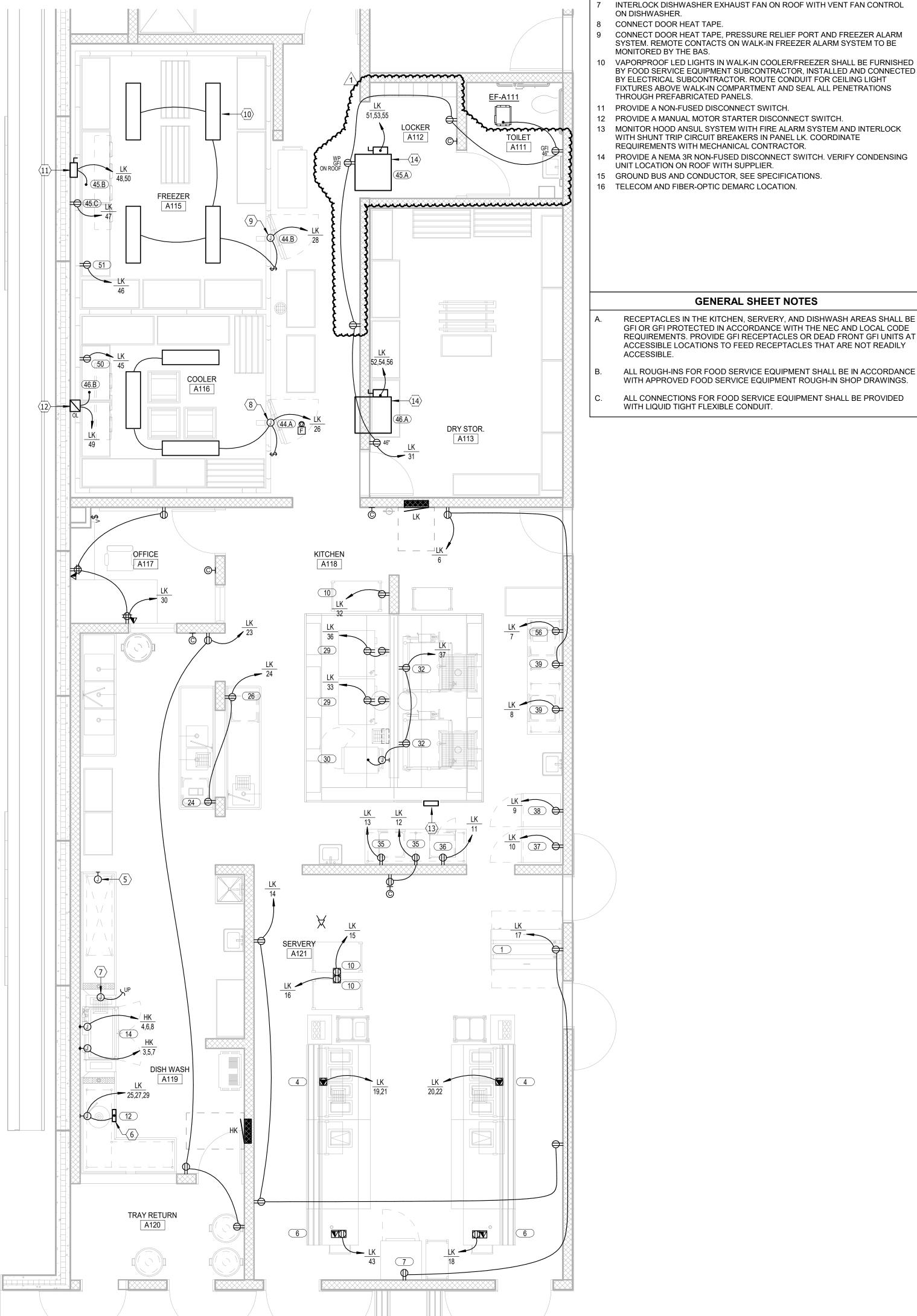
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(605) 335-3720 Fax 335-6220



ENLARGED SERVER B124 - POWER & SIGNAL

LOCATION: Space 108 MOUNTING: RECESSE MAIN DEVICE: 200 A MLC BUS AMPS: 200 AMPS LOAD DESCRIPTION RCPT COMMONS A101 20 A RCPT GYMNASIUM A101 20 A RCPT COMMONS A128 20 A RCPT INDUCTION RANGE 20 A RCPT REACH-IN FREEZER 20 A RCPT MICROWAVE OVEN 20 A RCPT KITCHEN A118 20 A RCPT MILK COOLER & REF. 20 A HEAT MOBILE HEATED CAB. 20 A RCPT MILK COOLER & REF. 20 A HEAT HOT FOOD COUNTER 30 A	POLI 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		0.5 1.8 1.8 2.3 1.1 1.0 0.8	A.I.C.	OLTAGE: RATING: PECIAL:	208Y/12	C 0.4 1.6 0.9 0.5	MMETR	CKT 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BKR 20 A	LOAD DESCRIPTION RCPT GYMNASIUM A101 RCPT GYMNASIUM A101 RCPT KITCHEN A118 RCPT KITCHEN A118 RCPT REACH-IN REF. RCPT KITCHEN A118 RCPT SERVERY A119 HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT COMMONS A101 RCPT GYMNASIUM A101 RCPT GYMNASIUM A101 RCPT COMMONS A128 RCPT INDUCTION RANGE RCPT REACH-IN FREEZER RCPT MICROWAVE OVEN RCPT KITCHEN A118 HEAT MOBILE HEATED CAB. RCPT MILK COOLER & REF. HEAT HOT FOOD COUNTER RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT SKILLET & STEAMER SHUNT-TRIP LITES KITCHEN A118 RCPT SERVERY A119 RCPT COOLER A115 RC	1 1 1 1 1 1 1 1 2 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1		1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	1.8 1.8 2.3 1.1	1.8 1.1 2.3 2.4	0.5 0.9 1.9 2.3	1.1 0.5 1.9 2.3	0.4 1.6 0.9 0.5	2.0 2.2 1.8 2.0	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	RCPT GYMNASIUM A101 RCPT GYMNASIUM A101 RCPT KITCHEN A118 RCPT KITCHEN A118 RCPT REACH-IN REF. RCPT KITCHEN A118 RCPT SERVERY A119 HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT GYMNASIUM A101 RCPT COMMONS A128 RCPT INDUCTION RANGE RCPT REACH-IN FREEZER RCPT MICROWAVE OVEN RCPT KITCHEN A118 HEAT MOBILE HEATED CAB. RCPT MILK COOLER & REF. HEAT HOT FOOD COUNTER RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT DISH WASH A117 HEAT DBL CONV. OVEN SHUNT-TRIP RCPT SKILLET & STEAMER SHUNT-TRIP LITES KITCHEN A118 RCPT SERVERY A119 RCPT COOLER A115 RCPT COOL	1 1 1 1 1 1 1 2 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	1.8 1.8 2.3 1.1	1.8 1.1 2.3 2.4	0.9 1.9 2.3 1.1	0.5 1.9 2.3	1.6 0.9 0.5	2.2	4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	RCPT GYMNASIUM A101 RCPT KITCHEN A118 RCPT KITCHEN A118 RCPT REACH-IN REF. RCPT KITCHEN A118 RCPT SERVERY A119 HEAT MOBILE HEATED G RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED G SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT COMMONS A128 RCPT INDUCTION RANGE RCPT REACH-IN FREEZER RCPT MICROWAVE OVEN RCPT KITCHEN A118 HEAT MOBILE HEATED CAB. RCPT MILK COOLER & REF. HEAT HOT FOOD COUNTER RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT DISH WASH A117 RCPT SKILLET & STEAMER RCPT SKILLET & STEAMER RCPT SERVERY A119 RCPT COOLER A115	1 1 1 1 1 1 1 2 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	1.8 2.3 1.1 1.0 0.8	2.3	0.9 1.9 2.3 1.1	0.5 1.9 2.3	1.6 0.9 0.5	2.2	6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	1 1 1 1 1 1 1 2 1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 20 A 30 A 20 A 20 A 20 A 20 A 20 A 20 A	RCPT KITCHEN A118 RCPT KITCHEN A118 RCPT REACH-IN REF. RCPT KITCHEN A118 RCPT SERVERY A119 HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT INDUCTION RANGE RCPT REACH-IN FREEZER RCPT MICROWAVE OVEN RCPT KITCHEN A118 RCPT MILK COOLER & REF. RCPT MILK COOLER & REF. RCPT DISH WASH A117 RCPT SERVERY A119 RCPT SKILLET & STEAMER RCPT SERVERY A119 RCPT SERVERY A119 RCPT COOLER A115 RCP	1 1 1 1 1 1 2 1 3 3 1 1 1 1 1 1		7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	1.8 2.3 1.1 1.0 0.8	2.3	1.9	2.3	1.6 0.9 0.5	2.2	8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	1 1 1 1 1 1 2 1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 20 A 30 A 20 A 20 A 20 A 20 A 20 A 20 A	RCPT KITCHEN A118 RCPT REACH-IN REF. RCPT KITCHEN A118 RCPT SERVERY A119 HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT REACH-IN FREEZER RCPT MICROWAVE OVEN RCPT KITCHEN A118 RCPT MICROWAVE OVEN RCPT KITCHEN A118 RCPT MILK COOLER & REF. RCPT MILK COOLER & REF. RCPT DISH WASH A117 RCPT DISH WASH A118 RCPT SKILLET & STEAMER RCPT SKILLET & STEAMER RCPT SERVERY A119 RCPT COOLER A115 RCPT COOLER A11	1 1 1 1 2 1 3 3 1 1 1 1 1		9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	1.8 2.3 1.1 1.0 0.8	2.3	1.9	2.3	0.9	2.0	10 12 14 16 18 20 22 24 26 28 30 32 34 36	1 1 1 1 1 2 1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 30 A 20 A 20 A 20 A 20 A 20 A	RCPT REACH-IN REF. RCPT KITCHEN A118 RCPT SERVERY A119 HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT MICROWAVE OVEN RCPT KITCHEN A118 RCPT KITCHEN A118 REAT MOBILE HEATED CAB. RCPT MILK COOLER & REF. RCPT DISH WASH A117 RC	1 1 1 2 1 3 3 1 1 1 1 1		11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	2.3 1.1 1.0	2.3	1.9	2.3	0.9	2.0	12 14 16 18 20 22 24 26 28 30 32 34 36	1 1 1 1 2 1 1 1 1 1 1	20 A 20 A 20 A 20 A 30 A 20 A 20 A 20 A 20 A 20 A	RCPT KITCHEN A118 RCPT SERVERY A119 HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT KITCHEN A118 20 A HEAT MOBILE HEATED CAB. 20 A RCPT MILK COOLER & REF. 20 A HEAT HOT FOOD COUNTER 30 A HEAT HOT FOOD COUNTER 30 A HEAT DISH WASH A117 20 A HEAT DISH WASH A117 20 A HEAT DISH WASH A117 20 A HEAT DISH CONV. OVEN 20 A HEAT DBL CONV. OVEN 20 A HEAT HOT FOOD A HEAT DBL CONV. OVEN 20 A HEAT HOT FOOD A HEAT HO	1 1 2 1 3 1 1 1 1 1	1 1 1 1 2 2 2 2 2 2 2 2 3 3 3 3 3 3 2 2 2 2	13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	2.3 1.1 1.0	2.3	2.3	2.3	0.9	2.0	14 16 18 20 22 24 26 28 30 32 34 36	1 1 1 2 1 1 1 1 1	20 A 20 A 20 A 30 A 20 A 20 A 20 A 20 A 20 A	RCPT SERVERY A119 HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
HEAT MOBILE HEATED CAB. 20 A RCPT MILK COOLER & REF. 20 A HEAT HOT FOOD COUNTER 30 A HEAT HOT FOOD COUNTER 30 A HEAT DISH WASH A117 20 A HEAT DBL CONV. OVEN 20 A HEAT DBL CONV. OVEN 20 A HUNT-TRIP HTES KITCHEN A118 20 A HEAT SERVERY A119 20 A HEAT COOLER A115 20 A HEAT COOLER A115 20 A HEAT COOLER EVAPORATOR 20 A HEAT COOLER EVAPORATOR 20 A HEAT COOLER EVAPORATOR 20 A HEAT DBL CONDENSOR 20 A HEAT DBL CONDENSOR 20 A HEAT DBL COOLER EVAPORATOR 20 A HEAT DBL CONDENSOR 20 A HEAT DBL CONDENSOR 20 A HEAT DBL COOLER EVAPORATOR 2	1 1 2 1 3 1 1 1 1 1 1	1 1 1 2 2 2 2 2 2 2 2 3 3 3 3 3 2 2 2 2	15 17 19 21 23 25 27 29 31 33 35 37 39 41	2.3 1.1 1.0	2.3	2.3	2.3	0.5	2.0	16 18 20 22 24 26 28 30 32 34 36	1 1 2 1 1 1 1 1	20 A 20 A 30 A 20 A 20 A 20 A 20 A 20 A	HEAT MOBILE HEATED (RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT MILK COOLER & REF. 20 A HEAT HOT FOOD COUNTER 30 A	1 2 1 3 1 1 1 1 1	1 1 2 2 2 2 2 2 3 3 3 3 3 3 2 2 2 2 2 2	17 19 21 23 25 27 29 31 33 35 37 39 41	1.1	1.9	2.3	2.3	0.5	2.0	18 20 22 24 26 28 30 32 34 36	1 2 1 1 1 1 1 1	20 A 30 A 20 A 20 A 20 A 20 A 20 A	RCPT SERVERY A119 HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
### HEAT HOT FOOD COUNTER	2 1 3 1 1 1 1 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	19 21 23 25 27 29 31 33 35 37 39 41	1.1	1.9	1.1	2.4	0.5	2.0	20 22 24 26 28 30 32 34 36	2 1 1 1 1 1 1 1	30 A 20 A 20 A 20 A 20 A 20 A 20 A	HEAT HOT FOOD COUNT RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
	1 3 1 1 1 1 1 1	2 2 2 2 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4	21 23 25 27 29 31 33 35 37 39 41	1.1	1.9	1.1	2.4	1.1	0.9	22 24 26 28 30 32 34 36	1 1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 20 A 20 A	RCPT CAN OPENER LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
RCPT DISH WASH A117 (TCH DISPOSER 20 A	1 3 1 1 1 1 1	2 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4	23 25 27 29 31 33 35 37 39 41	0.8	1.9	1.1	2.4	1.1	0.9	24 26 28 30 32 34 36	1 1 1 1 1 1	20 A 20 A 20 A 20 A 20 A 20 A	LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED OF SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
KTCH DISPOSER 20 A	3 1 1 1 1 1 1	2 2 3 3 3 3 4 4	25 27 29 31 33 35 37 39 41	0.8	1.9	1.9		1.1	0.9	26 28 30 32 34 36	1 1 1 1 1	20 A 20 A 20 A 20 A 20 A	LITES COOLER A115 LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED OF SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
	 1 1 1 1 1 1	2 2 3 3 3 3 4 4	27 29 31 33 35 37 39 41	0.8	1.9	1.9				28 30 32 34 36	1 1 1 1 1 1	20 A 20 A 20 A 20 A	LITES FREEZER A114 RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
	1 1 1 1 1 1 1	3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	29 31 33 35 37 39 41	0.8		1.9				30 32 34 36	1 1 1 1	20 A 20 A 20 A	RCPT OFFICE A116 HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
MOTORS EF-A111 20 A HEAT DBL CONV. OVEN 20 A SHUNT-TRIP RCPT SKILLET & STEAMER 20 A SHUNT-TRIP LITES KITCHEN A118 20 A RCPT SERVERY A119 20 A RCPT COOLER A115 20 A FREEZER HEAT TAPE 20 A FREEZER CONDENSOR 20 A FREEZER CONDENSOR 20 A FREEZER DEAT APE 20 A FREEZER CONDENSOR 20 A FREEZER CONDENSOR 20 A FREEZER CONDENSOR 20 A FREEZER 20 A	1 1 1 1 1 1	3 3 3 2 2 2	31 33 35 37 39 41	0.8						32 34 36	1 1 1	20 A 20 A	HEAT MOBILE HEATED (SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
HEAT DBL CONV. OVEN SHUNT-TRIP CCPT SKILLET & STEAMER SHUNT-TRIP LITES KITCHEN A118 CCPT SERVERY A119 CCPT COOLER A115 FREEZER HEAT TAPE COOLER EVAPORATOR FREEZER CONDENSOR COOLER EVAPORATOR C	1 1 1 1 1	3 3 2 2 2	33 35 37 39 41	0.8					1.9	34 36	1 1	 20 A	SHUNT-TRIP HEAT DBL CONV. OVEN SHUNT TRIP
### SHUNT-TRIP	1 1 1 1	3 3 4	35 37 39 41						1.9	36	1	20 A	HEAT DBL CONV. OVEN SHUNT TRIP
RCPT SKILLET & STEAMER 20 A SHUNT-TRIP LITES KITCHEN A118 20 A RCPT SERVERY A119 20 A RCPT COOLER A115 20 A FREEZER HEAT TAPE 20 A COOLER EVAPORATOR 20 A FREEZER CONDENSOR 20 A FREEZER CONDENSOR 20 A FREEZER 20 A Spare 20 A Spare 20 A Spare 20 A Spare 20 A Space	1 1 1 1	3 2 2	37 39 41				0.6		1.9		·		SHUNT TRIP
### SHUNT-TRIP	1 1	2	39 41				0.6						
LITES KITCHEN A118	1	2	41				0.6			38	1		
RCPT SERVERY A119 20 A RCPT COOLER A115 20 A FREEZER HEAT TAPE 20 A COOLER EVAPORATOR 20 A FREEZER CONDENSOR 20 A	1									40	3	20 A	MOTORS GYMNASIUM A
RCPT COOLER A115 20 A FREEZER HEAT TAPE 20 A COOLER EVAPORATOR 20 A FREEZER CONDENSOR 20 A			43					0.6	0.6	42			
FREEZER HEAT TAPE 20 A COOLER EVAPORATOR 20 A FREEZER CONDENSOR 20 A				1.8	0.6					44			
COOLER EVAPORATOR 20 A FREEZER CONDENSOR 20 A Spare 20 A Spare 20 A Spare 20 A Spare 20 A Spare 20 A Space		_	45			1.2	1.8			46	1	20 A	RCPT FREEZER A114
FREEZER CONDENSOR 20 A Spare			47					2.4	1.5	48	2	20 A	FREEZER EVAPORATOR
			49	0.2	1.5					50			
	3	_	51			2.1	0.7			52	3	20 A	COOLER CONDENSOR
Spare 20 A Spare 20 A Spare 20 A Spare 20 A Space			53					2.1	0.7	54			
Spare 20 A Spare 20 A Spare 20 A Space			55	2.1	0.7					56			
Spare 20 A Spare 20 A Space		_	57			0.0	0.0			58	1	20 A	Spare
Spare 20 A Space		_	59					0.0	0.0	60	1	20 A	Spare
Space		_	61	0.0	0.0					62	1	20 A	Spare
		_	63			0.0	0.0			64	1	20 A	Spare
	1	_	65							66	1		Space
Space	1	_	67							68	1		Space
Space	1		69							70	1		Space
Space	1		71	0.5	13/4					72	1		Space
	TOTA				kVA		kVA	22 k\					
	TOTA				12 A	·	7 A	183	Α				
OAD CLASSIFICATION	CON				DEMA			MATED				PANEL	TOTALS
RCPT	31	70 V	√A_		65.94	%	206	85 VA					
MOTORS	13	74 V	VΑ		100.00)%	133	374 VA			CON	NNECTE	D LOAD: 69764 VA
LITES	53	90 VA	′Α		125.00)%	67	38 VA			ESTIN	MATED D	EMAND: 60723 VA
KTCH		70 VA			100.00			70 VA					IRRENT: 194 A
HEAT		03 V			100.00			303 VA					IRRENT: 169 A
ILAI	10	US VI	v /\		100.00	/0	100	000 VA			LJ1. DEN	INCIAD CO	MALINI. 109 A

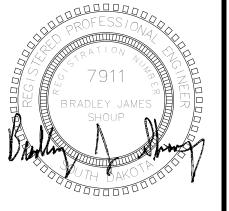


N ENLARGED KITCHEN - POWER & SIGNAL SCALE P 2 4 9 8

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415 South Main Avenue P.O. Box 2140 Sioux Falls, South Dakota 57101 Phone: (605) 339-1711

815 St Joseph Street, Suite 203 Rapid City, South Dakota 57701 Phone: (605) 721-1158



GENERAL SHEET NOTES

ELECTRICAL NOTES

1 COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT (MDF) LOCATION.

2 PAGING INTERCOM AND PROGRAM CLOCK SYSTEM EQUIPMENT RACK.

3 FIRE ALARM CONTROL PANELS.

ACCESS CONTROL SYSTEM CONTROL PANELS AND POWER SUPPLIES, BY

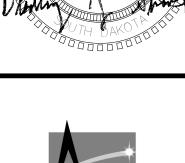
WATERTIGHT DISCONNECT/CONTROL PANEL FOR DISPOSER, FURNISHED BY FOOD SERVICE EQUIPMENT SUBCONTRACTOR, INSTALLED AND CONNECTED BY

INTERCONNECT TABLE LIMIT SWITCH TO DISHWASHER IN LIQUID TIGHT FLEXIBLE CONDUIT ROUTED TO UNDERSIDE OF CLEAN DISHTABLE.

ELECTRICAL CONTRACTOR.

RECEPTACLES IN THE KITCHEN, SERVERY, AND DISHWASH AREAS SHALL BE GFI OR GFI PROTECTED IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLES OR DEAD FRONT GFI UNITS AT ACCESSIBLE LOCATIONS TO FEED RECEPTACLES THAT ARE NOT READILY

ALL ROUGH-INS FOR FOOD SERVICE EQUIPMENT SHALL BE IN ACCORDANCE WITH APPROVED FOOD SERVICE EQUIPMENT ROUGH-IN SHOP DRAWINGS. ALL CONNECTIONS FOR FOOD SERVICE EQUIPMENT SHALL BE PROVIDED WITH LIQUID TIGHT FLEXIBLE CONDUIT.



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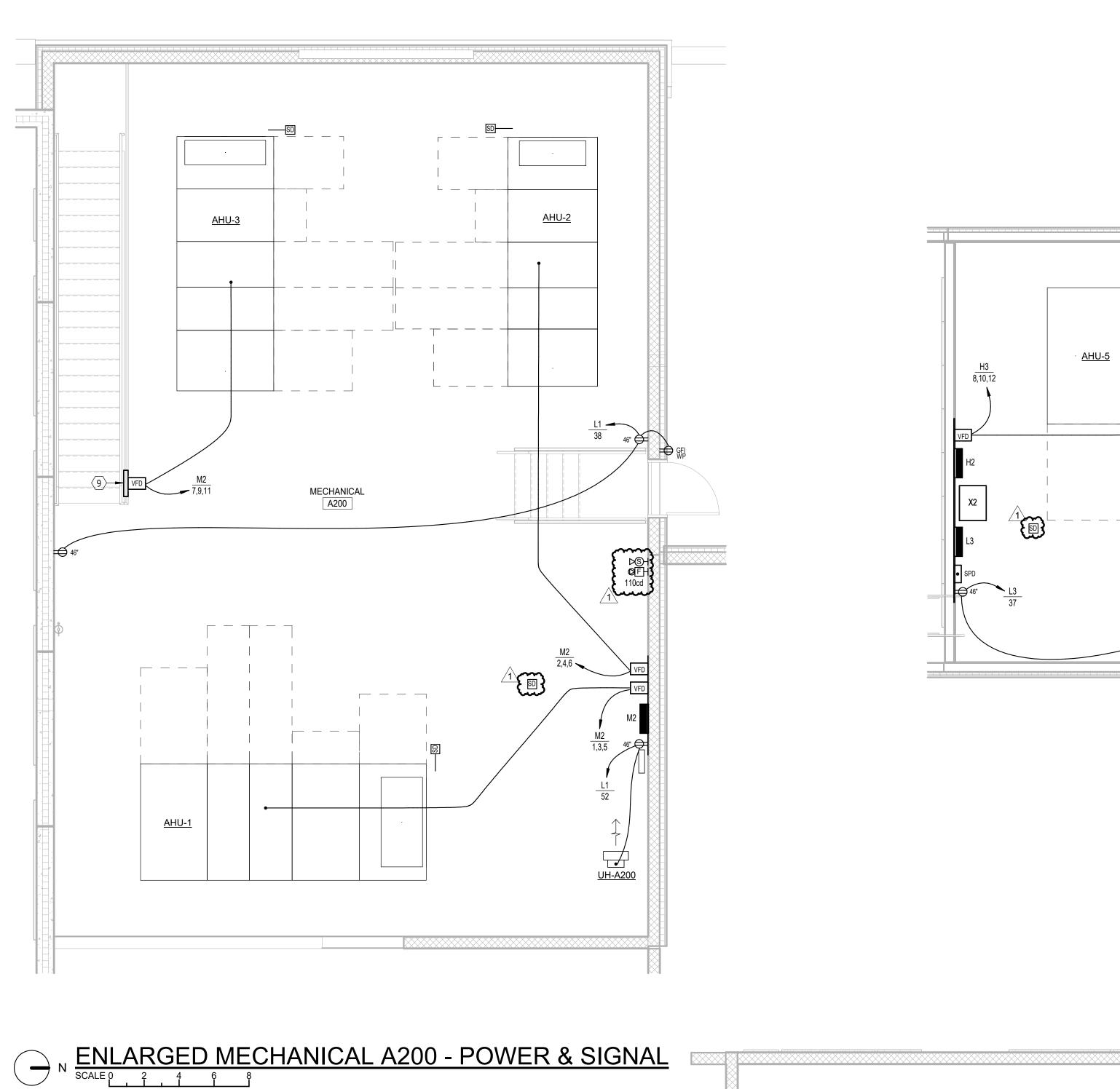
(605) 335-3720 Fax 335-6220 E-mail acei@aceinet.com

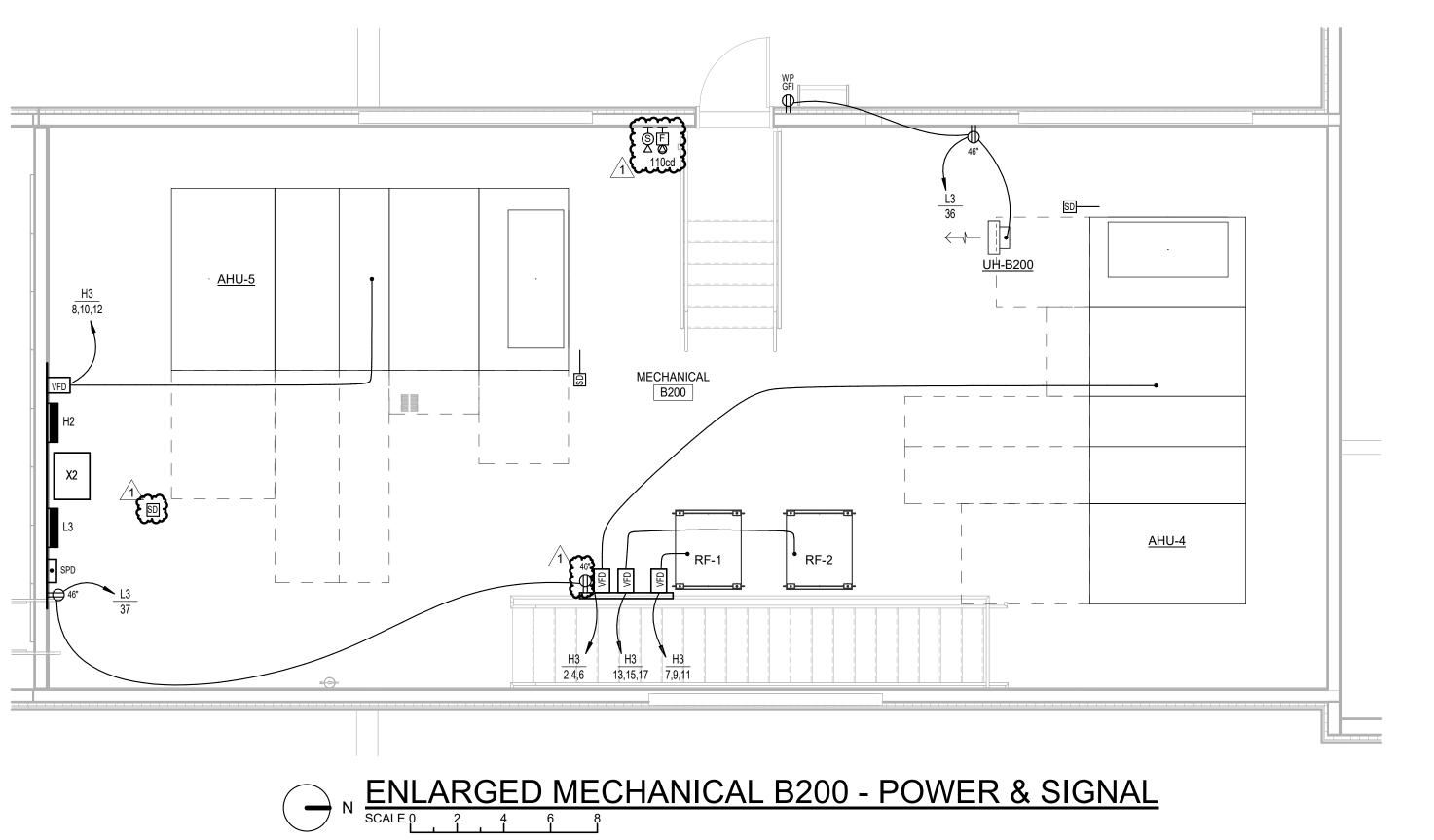
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7-26-24





ELECTRICAL NOTES 1 ELECTRIC UTILITY METER.
2 COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT (IDF) LOCATION. PROVIDE A 6 STRAND MULTI-MODE FIBER-OPTIC CABLE (DATA) AND 1 EACH 25 PAIR CATEGORY 5E (VOICE) BACKBONE CABLES TO THE MDF.

EXTERIOR LIGHTING CONTROL CONTACTORS "ELC1" (5 POLES), AND "ELC2" (3 POLES), PROVIDE HOA'S. CONTROL BY THE BUILDING AUTOMATION SYSTEM,

COORDINATE COIL VOLTAGE. BOILER EMERGENCY OFF MUSHROOM HEAD PUSHBUTTON SWITCH.

PROVIDE PROTECTIVE COVER SIMILAR TO STI 13020CR. COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT (IDF) LOCATION. PROVIDE A 6 STRAND MULTI-MODE FIBER-OPTIC CABLE (DATA) AND 2 EACH 25 PAIR CATEGORY 5E (VOICE) BACKBONE CABLES TO THE MDF.

VERIFY QUANTITY OF FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER CONTRACTOR.

GROUND BUS AND CONDUCTOR, SEE SPECIFICATIONS. 9 PROVIDE UNISTRUT/BACKBOARD ASSEMBLY AS REQUIRED FOR MOUNTING.
10 CT CABINET BY EC, CT'S BY BAS CONTRACTOR.

GENERAL SHEET NOTES

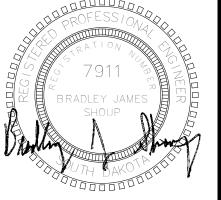
SUPPLIER AND THE DOOR HARDWARE SUPPLIER.

THE ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-INS FOR ACCESS

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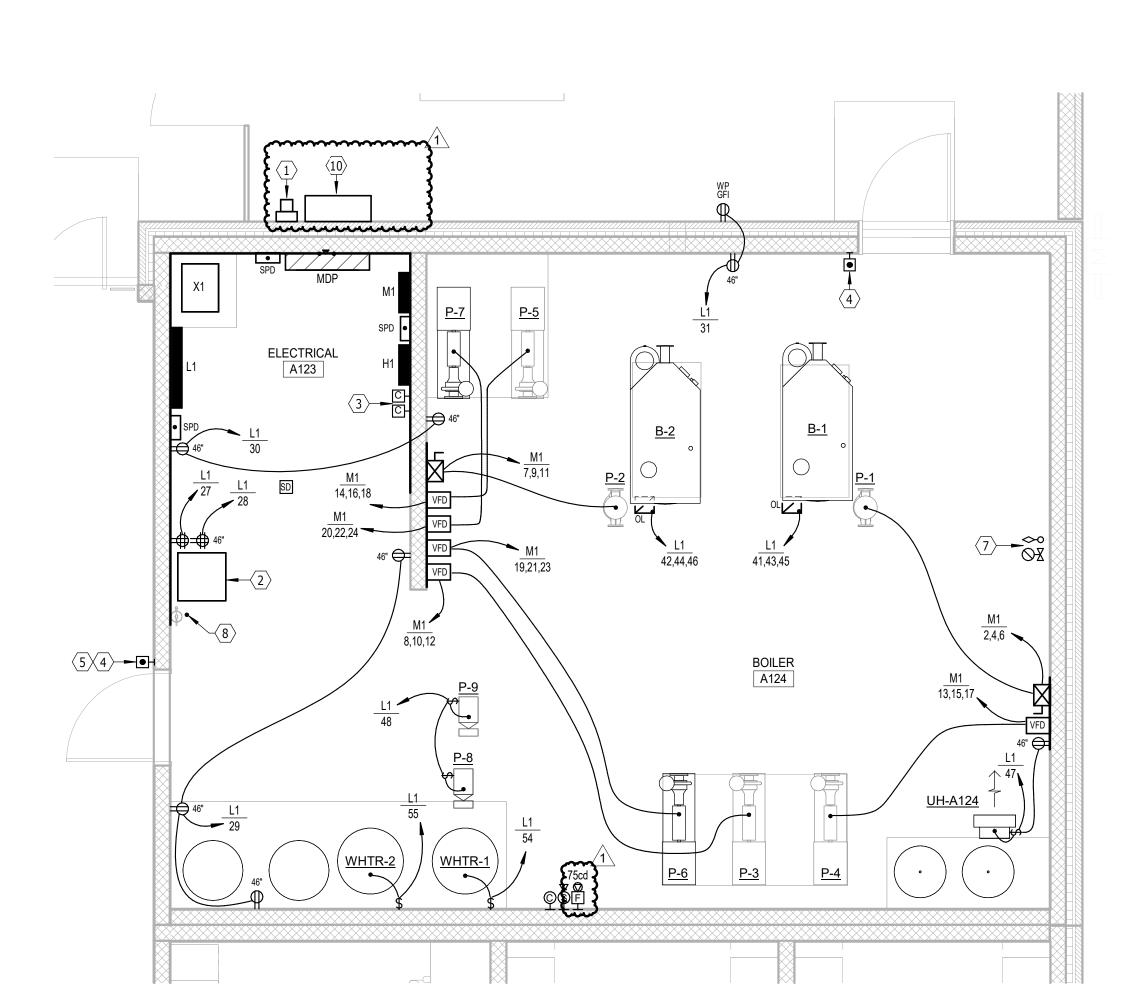


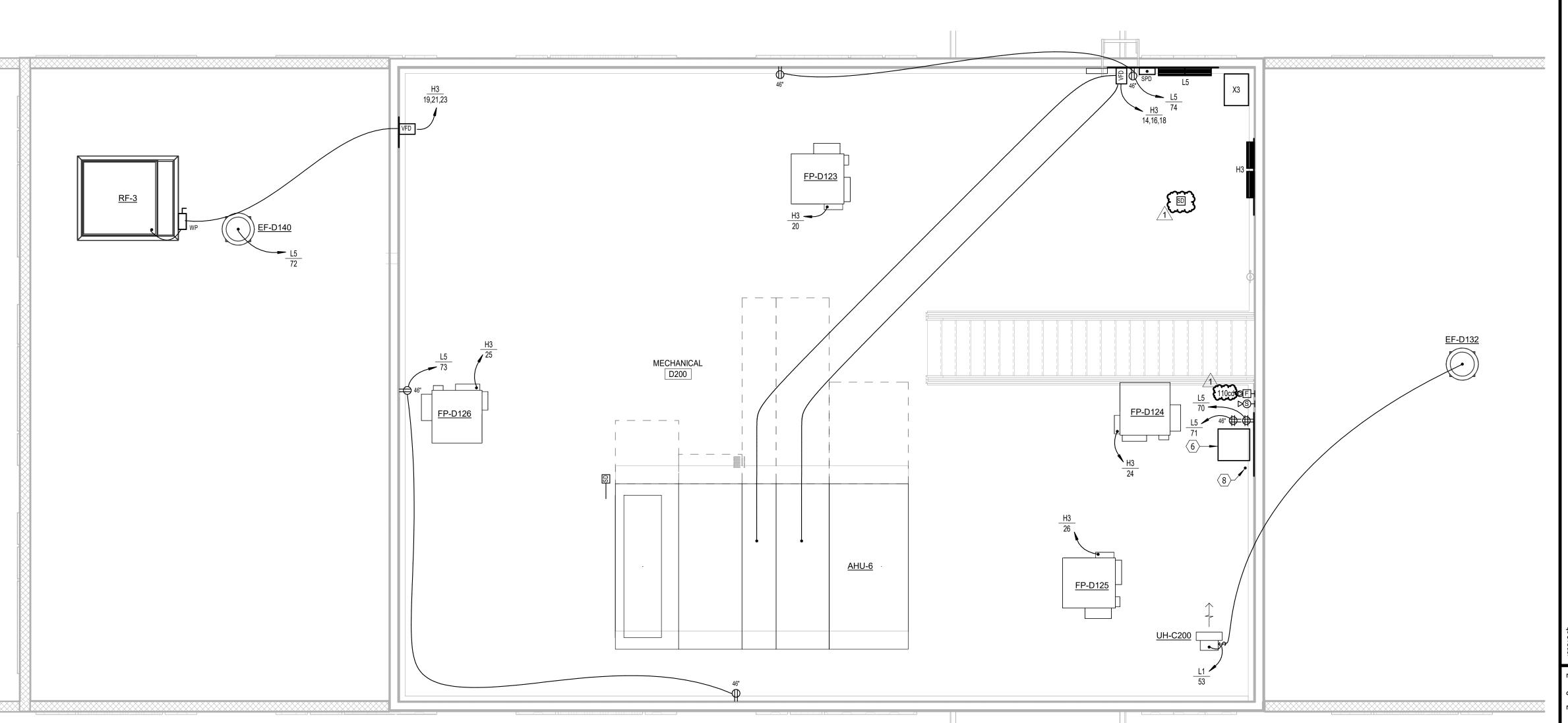
CONTROL SYSTEM DEVICES. DEVICES INCLUDE CARD READERS, DOOR STRIKES, ELECTRIC PANEL HARDWARE AND DOOR POSITION SWITCHES. COORDINATE REQUIREMENTS WITH THE OWNER'S SECURITY SYSTEM



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N ENLARGED MECHANICAL D200 - POWER & SIGNAL SCALE [0 , 2 , 4 , 6 , 8]

NOON BRAN

number 0306.3023.23

7-26-24 Addendum #2

ELECTRICAL NOTES

MONITOR POST INDICATOR VALVE WITH FIRE ALARM SYSTEM.
 CONNECT TO BUILDING MOUNTED LUMINAIRE.
 3" RACEWAY FOR ÉLECTRIC UTILITY PRIMARY CONDUCTORS. RACEWAY,

SWEEPS, AND PULL STRING FURNISHED BY SIOUX VALLEY ENERGY
(ELECTRICAL CONTRACTOR TO PICK UP AT SIOUX VALLEY ENERGY'S OFFICE IN
BRANDON) AND INSTALLED (MINIMUM OF 48" DEEP) BY THE ELECTRICAL
CONTRACTOR.

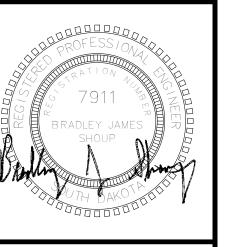
GENERAL SHEET NOTES

A. COORDINATE ALL WORK WITH SITE CONSTRUCTION CONTRACTORS.

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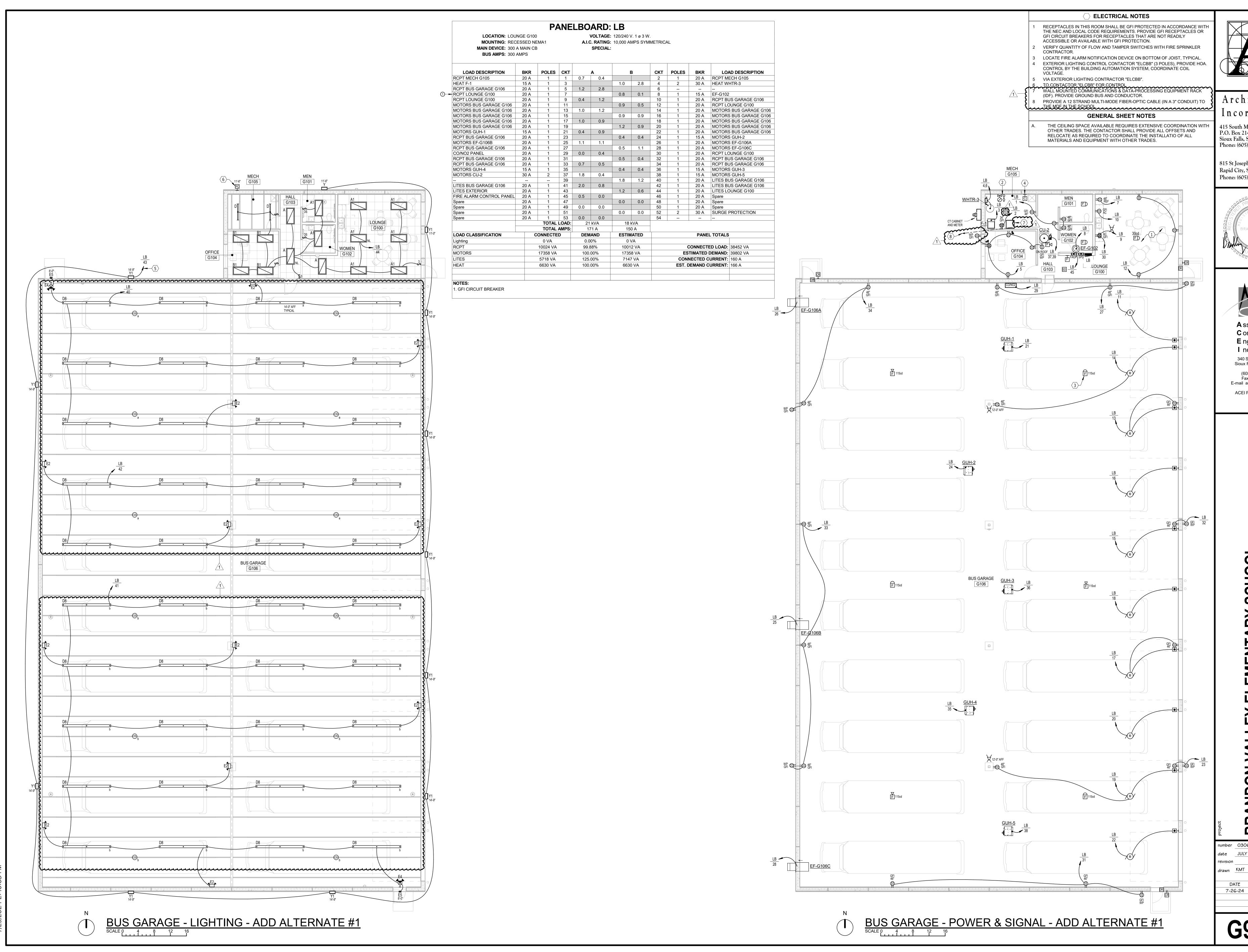
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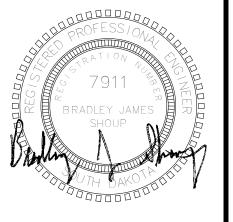
I ncorporated 340 S. Phillips Ave. Sioux Falls, SD 57104 (605) 335-3720 Fax 335-6220 E-mail acei@aceinet.com

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815 St Joseph Street, Suite 203 Rapid City, South Dakota 57701 Phone: (605) 721-1158





E ngineering,
I ncorporated
340 S. Phillips Ave.
Sioux Falls, SD 57104

(605) 335-3720
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E-mail acei@aceinet.com

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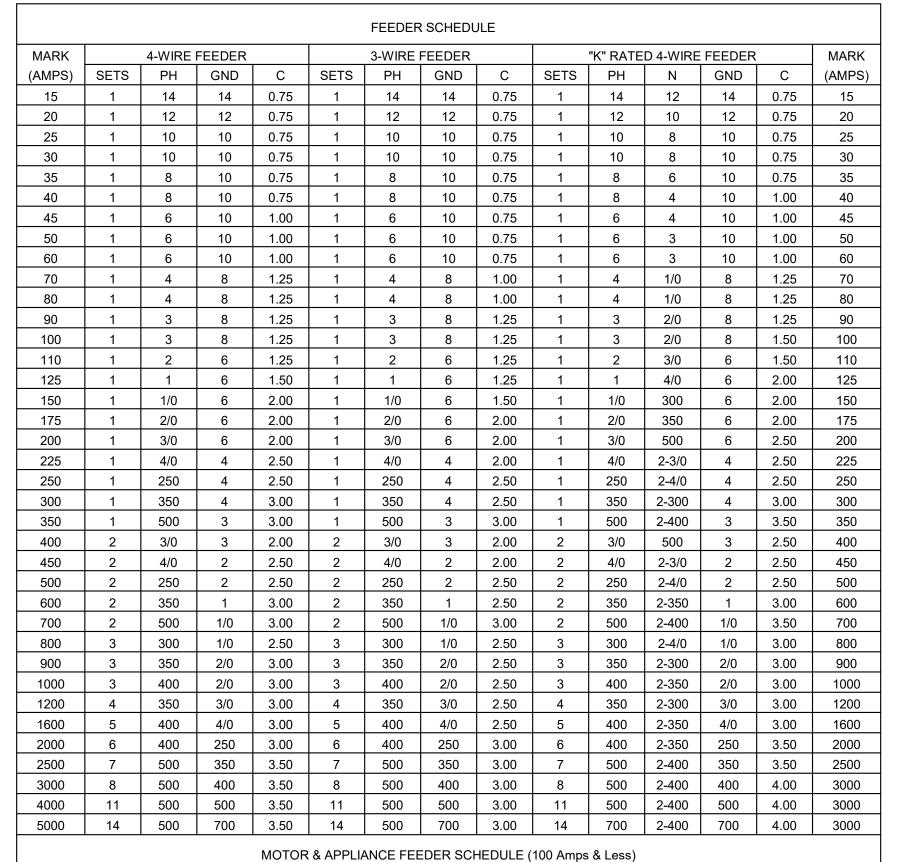
ACEI PROJ. #123026

RANDON VALLEY ELEMENTAR

 DATE
 DESCRIPTION

 -26-24
 Addendum #2

G9.20



MARK	MOTOR L	OAD (HP)	4-	WIRE FEEDI	ER		3-WIRE FEEDER	२	MARK
(AMPS)	480V	208V	PH	GND	С	PH	GND	С	(AMPS
20	7.5 & LESS	3 & LESS	12	12	0.75	12	12	0.75	20
25	10		10	10	0.75	10	10	0.75	25
30	15		10	10	0.75	10	10	0.75	30
35		5	8	10	0.75	8	10	0.75	35
40	15		8	10	0.75	8	10	0.75	40
45			6	10	1.00	6	10	0.75	45
50		7.5	6	10	1.00	6	10	0.75	50
60	20	10	6	10	1.00	6	10	0.75	60
70	25		4	8	1.25	4	8	1.00	70
80	30		4	8	1.25	4	8	1.00	80
90	40	15	3	8	1.25	3	8	1.25	90
100	50	20	3	8	1.25	3	8	1.25	100

1. FEEDERS SHALL BE 4-WIRE, UNLESS DENOTED WITH: "-3W" WHICH SHALL BE 3-WIRE (3W) "-IG" WHICH SHALL BE 4-WIRE PLUS INSULATED GROUND AND EQUIPMENT GROUND. WHICH SHALL BE 4-WIRE WITH OVERSIZED NEUTRAL.

2. SERVICE ENTRANCE CONDUCTORS SHALL NOT BE PROVIDED WITH GROUND CONDUCTOR. 3. ALL FEEDERS SHALL HAVE EQUIPMENT GROUND CONDUCTOR.

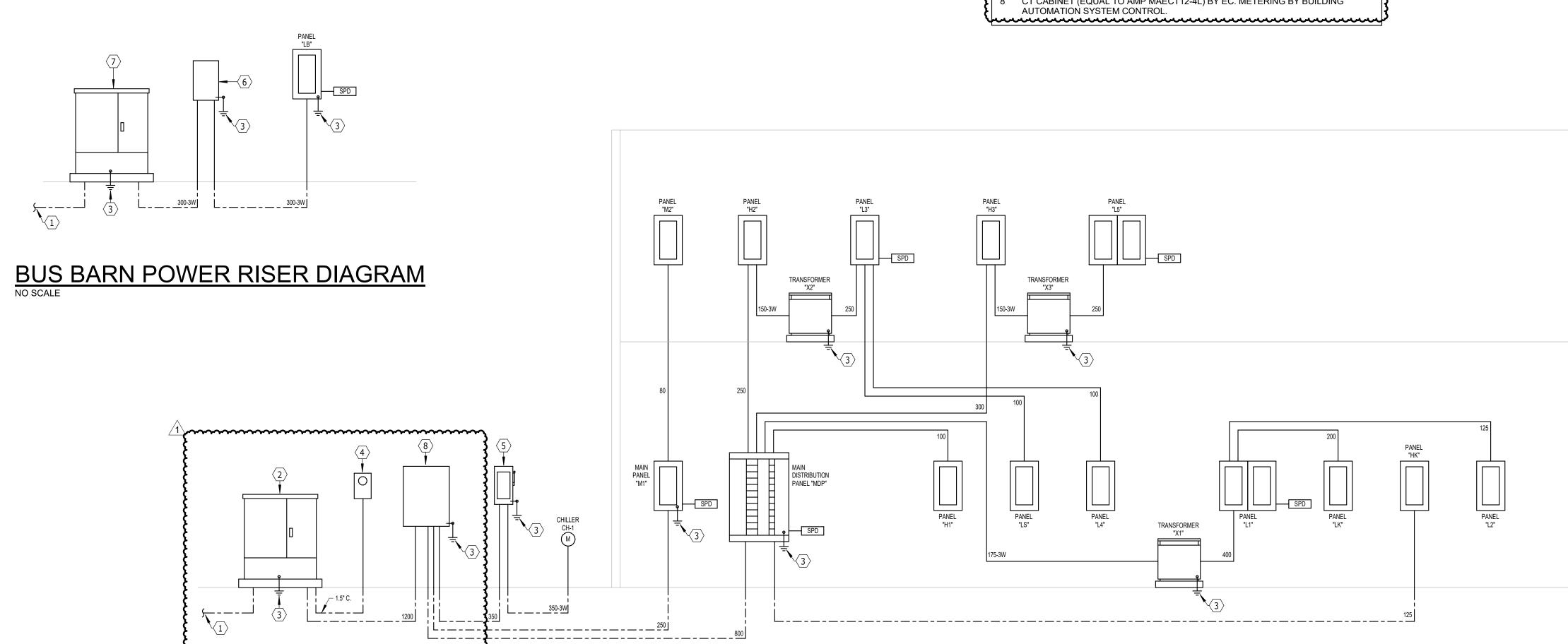
4. NEUTRAL SHALL BE SAME SIZE AS PHASE CONDUCTOR, UNLESS OTHERWISE NOTED. 5. CONDUCTOR SIZES FOR FEEDERS OVER 40A ARE BASED ON TERMINATIONS TO EQUIPMENT LISTED FOR 75°C, INCREASE FEEDER SIZES AS REQUIRED FOR TERMINATIONS TO EQUIPMENT NOT LISTED FOR 75°C.

6. RACEWAY AND CONDUCTOR SIZING IS BASED ON THE USE OF THHN/THWN COPPER CONDUCTORS AND EMT CONDUIT. MODIFY RACEWAY AND CONDUCTOR SIZES AS REQUIRED FOR THE USE OF OTHER RACEWAY AND CONDUCTOR TYPES.

7. SEE SPECIFICATIONS FOR ALLOWABLE CONDUCTOR MATERIAL, INSULATION AND RACEWAY TYPES. WHERE ALUMINUM CONDUCTORS ARE ALLOWED THE AMPACITY RATING OF THE SERVICE OR FEEDER SHALL BE EQUAL TO OR GREATER THAN THE CALCULATED AMPACITY RATING OF THE COPPER CONDUCTORS SHOWN IN THIS SCHEDULE.

8. NOT ALL FEEDER SIZES SHOWN IN THIS SCHEDULE ARE USED IN THIS PROJECT.

ELECTRICAL NOTES PRIMARY CONDUCTORS BY UTILITY. COORDINATE RACEWAY REQUIREMENTS WITH UTILITY. TRANSFORMER BY UTILITY, PAD BY ELECTRICAL CONTRACTOR (EC). GROUND IN ACCORDANCE WITH THE NEC, LOCAL CODE REQUIREMENTS, AND SPECIFICATIONS. METER AND SOCKET PROVIDED BY UTILITY. MAIN DISCONNECT SWITCH "MDS-CH". NEMA 3R, 400A/3P, FUSE AT 400A. METER SOCKET AND METER FURNISHED BY UTILITY, INSTALLED BY EC.

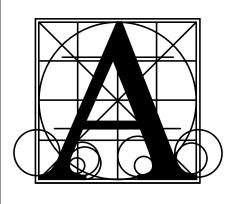


POWER RISER DIAGRAM
NO SCALE

HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	<u>DESCRIPTION</u>	HT AFF	SYMBOL	DESCRIPTION
AS NOTED	HA B	SURFACE LIGHT (TYPE DENOTED)	AS NOTED		MULTIOUTLET ASSEMBLY (TYPE DENOTED)		PP	POWER PACK
NO NOTED		(AS NOTED	Ф ▼ в	MULTIOUTLET ASSEMBLY (TYPE DENOTED)		RD	REMOTE DRIVER
AS NOTED	⊢√→ F	WALL MOUNTED FLOODLIGHT (TYPE DENOTED)	94"	Ю	CLOCK (TYPE DENOTED)	86"	— H <u>F</u> ⊠110cd	FIRE ALARM HORN W/STROBE (CANDELAS)
	⊘ R	RECESSED LIGHT (TYPE DENOTED)	• •	P	POWER POLE (OPEN OFFICE STYLE)	86"	HEIØ 110cd	FIRE ALARM SPEAKER W/STROBE (CANDELAS)
PER SCHED	● AA	POLE MOUNTED LIGHT (TYPE DENOTED)			CIRCUIT BREAKER PANEL	86"	HFD 110cd	FIRE ALARM STROBE (CANDELAS)
		· · ·		<i>7772</i> 3	POWER OR DISTRIBUTION PANEL	46"	HF	F.A. PULLSTATION
PER SCHED	† † † BB	POLE MOUNTED FLOODLIGHT (TYPE DENOTED)			SPECIAL CABINET (TYPE_DENOTED)		HSD→ →SDH	BEAM TYPE SMOKE DETECTORS
	O G	SURFACE LIGHT (TYPE DENOTED)		T1	TRANSFORMER (TYPE DENOTED)	46"		FIRE ALARM REMOTE ANNUNCIATOR
P1 •	• • P2	SUSPENDED OR PENDANT LIGHT (TYPE DENOTED)		(M)	MOTOR (SEE SCHEDULE)		FA ANNUN HSD SD	SMOKE DETECTOR (TYPE DENOTED)
	H	RECESSED LIGHT (TYPE DENOTED)			MANUAL MTR. STR. (W/OVERLOADS)	_	НН Н	HEAT DETECTOR
	<u> </u>	STRIP LIGHT (TYPE DENOTED)		\boxtimes	MAG. MOTOR STARTER OR CONTACTOR	_	SD	DUCT SMOKE DETECTOR (TYPE DENOTED)
AS NOTED S	S1	TRACK AND TRACK LIGHT (TYPES DENOTED)		\boxtimes_1	COMB. MOTOR STARTER (NON-FUSED)		F/S	FIRE/SMOKE DAMPER
86"	PEM	EMERGENCY BATTERY LIGHT (TYPE DENOTED)		\bowtie_1	COMB. MOTOR STARTER (FUSED)	_	HRI RI	REMOTE INDICATOR/TEST SWITCH
	⊬ € E € E	EXIT SIGN (TYPE DENOTED)			SAFETY DISC. SW. (NON-FUSED)	-	H ⊙ ≠	F.A. DOOR HOLDER
AS NOTED	•	LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH		$ ightharpoons_1$	SAFETY DISC. SW. (FUSED)	-	55	SPRINKLER FLOW SWITCH
AS NOTED		LIGHT FIXTURE ON (EM) CRITICAL BRANCH	AS NOTED		BUS DUCT WITH PLUG UN DISCONNECT (FUSED)	-	<i></i>	SPRINKLER VALVE TAMPER SWITCH
AS NOTED		LIGHT FIXTURE ON EMERGENCY CIRCUIT		VFD	VARIABLE FREQUENCY DRIVE	-	DR	DOOR RELEASE
AS NOTED		LIGHT FIXTURE WITH EMERGENCY BALLAST		R	RELAY		DP	DOOR POSITION SWITCH
		LIGHT ON CORD REEL (TYPE DENOTED)		O _S	OCCUPANCY SENSOR - TYPE DENOTED	46"	HCR	CARD READER
AS NOTED =	CH3	LIGHTING CHANNEL WIRE (TYPE DENOTED)	AS NOTED	HPC	PHOTOCELL	46"	HKP	KEYPAD
46"	(()	SINGLE POLE SW.	46"	HTC	TIME CONTROL SWITCH (TIME SWITCH)		HMD	MOTION DETECTOR (TYPE DENOTED)
46"	(2 POLE SINGLE THROW SW.	46"	\bigoplus	HUMIDISTAT		HML	ELECTROMAGNETIC LOCK
46"	(3-WAY SW.	46"	_ (T)	THERMOSTAT		HD	ADA PUSHBUTTON SWITCH
46"	160 4	4-WAY SW.	PER SCHED	\-\	WALL HEATER (TYPE DENOTED)	46"	$+$ $\stackrel{\wedge}{\mathbb{N}}_{\mathbb{M}}$	NURSE CALL MASTER STATION
46"	(KEYED SW.	PER SCHED	□ D1	HAND OR HAIR DRYER (TYPE DENOTED)	46"	+(N) _E	NURSE CALL EMERG. STATION
46"	₩	SW. W/PILOT	18"	\blacksquare	TELEPHONE OUTLET (TYPE DENOTED)	46"	+(N) _{CB}	NURSE CALL CODE BLUE EMERG. STATION
46"	₩	DIMMER SWITCH	46"	✓ w	WALL TELEPHONE OUTLET (TYPE DENOTED)	46"	+NDS	NURSE CALL DUTY STATION
46"	₩ ^{OS}	OCCUPANCY SENSOR SWITCH	18"	lacksquare	TELECOM OUTLET (TYPE DENOTED)	46"	+(N) _S	NURSE CALL STAFF STATION
46"	(TIMER SWITCH		\bowtie	WIRELESS ACCESS POINT	46"	+(1)	NURSE CALL BED STATION. SINGLE
46"	₩	MOTOR HORSEPOWER RATED SWITCH	46"	+(iC)	INTERCOM OUTLET LOCATION	46"	$+$ $\stackrel{\wedge}{\mathbb{N}}_2$	NURSE CALL BED STATION. DOUBLE.
18"	Θ	SINGLE RECEPT.	18"	HTV	TELEVISION OUTLET	86"	$ N_2 N_2$	NURSE CALL DOME LIGHT
18"	\bowtie	DUPLEX RECEPT.	18"	HAV	A/V OUTLET. SEE SPCIFICATIONS.		NCC	NURSE CALL EQUIPMENT CABINET
18"	₩U	USB DUPLEX RECEPT. SEE SPECS	18"		MULTIPLE SERVICE OUTLET (TYPE DENOTED)	46"	NC ANNUN	NURSE CALL ANNUNCIATOR PANEL
18"	\rightleftharpoons	SPLIT DUPLEX RECEPT.			FLOOR BOX, TWO DEVICES (TYPE DENOTED)	AS NOTED	HCM	CAMERA
18"	⊨ EM	DUPLEX RECEPT. ON EMERGENCY CIRCUIT			FLOOR BOX, FOUR DEVICES (TYPE DENOTED)	-		CONDUIT CONCEALED IN WALL OR OVERHEAD
18"	\bowtie	FOURPLEX RECEPT.				-		CONDUIT EXPOSED
18"	⊨⊕ EM	FOURPLEX RECEPT. ON EMERGENCY CIRCUIT	18"	H(D)	DICTATION OUTLET LOCATION	-		CONDUIT TRANSITION UP
18"	⊨ •	DUPLEX RECEPT, ISOLATED GROUND.	46"	⊢© ^W	WALL DICTATION OUTLET LOCATION			CONDUIT TRANSITION DOWN
18"	₩ •	FOURPLEX RECEPT, ISOLATED GROUND.	86"	HBO	BELL		7	CONDUIT STUBBED OUT
46"	HDF	DEAD FRONT GFCI DEVICE	86"	HB/	BUZZER	-	/- -	CONDUIT CONCEALED, "E" INDICATES EMERGENCY
AS NOTED	⊢© ©	SPECIAL RECEPT. OR CONN. (SEE SCHEDULE)	86"	HCO	CHIME	-		CONDUIT EXPOSED, "E" INDICATES EMERGENCY
	H) ()	JUNCTION BOX	46"	H•	PUSH BUTTON	-	— OHE —	OVERHEAD ELECTRIC
		DUPLEX FLOOR RECEPT.	86"	HS S	SPEAKER (WALL OR CEILING MT.)	-		BRANCH CIRCUIT HOME RUN
	=	FOURPLEX FLOOR RECEPT.	86" 46"	H\$\1 \$\1 ₩	HORN TYPE SPEAKER	-		CABLE TRAY (TYPE DENOTED)
	Ф	DUPLEX CEILING RECEPT.	46" 18"	₩ 1	VOLUME CONTROL	-		CONDUIT SLEEVE (SIZE DENOTED)
AC NOTES	\$	FOURPLEX CEILING RECEPT.			MICROPHONE OUTLET	-	1	KEYED NOTE (SEE SCHEDULE)
AS NOTED	⊕ _{CD}	RECEPT ON CORD DROP (DUPLEX SHOWN)	18"	HA) _L	AUXILIARY OUTLET	-	(A) /	HATCHED SYMBOL INDICATES REMOVED
AS NOTED	⊖ _{CR}	RECEPT ON CORD REEL (DUPLEX SHOWN)		+	ANTENNA	-		

			ELECTRIC	AL	ABBREVIA		NS LIST		
1P	1 POLE (2P, 3P, 4P, ETC.)	DC	DROP CORD		HAND DRYER	N.C.	NORMALLY CLOSED	SURF	SURFACE MOUNTED
		DCP	DOMESTIC WATER		HORSEPOWER	NEC	NATIONAL ELECTRICAL CODE	SW	SWITCH
Α	AMPERE		CIRCULATING PUMP	HPF	HIGH POWER FACTOR	NEMA	NATIONAL ELECTRICAL	SWBD	SWITCHBOARD
AC	ABOVE COUNTER -	DEPT	DEPARTMENT	HT	HEIGHT		MANUFACTURER'S	SYM	SYMMETRICAL
	(3" ABOVE BACKSPLASH	DET	DETAIL	HTG	HEATING		ASSOCIATION	SYS	SYSTEM
	OR COUNTERTOP)	DIA	DIAMETER	HTR	HEATER	NFDS	NON-FUSED SAFETY	TEL	TELEPHONE
ACLG	ABOVE CEILING	DISC	DISCONNECT	HV	HIGH VOLTAGE		DISCONNECT SWITCH	TEL/DAT	
ADO	AUTOMATIC DOOR OPENER	DIST	DISTRIBUTION	HVAC	HEATING, VENTILATING AND	NIC	NOT IN CONTRACT	TERM	TERMINAL
AF	AMP FRAME	DN	DOWN		AIR CONDITIONING	NL	NIGHT LIGHT	TL	TWIST LOCK
AFF	ABOVE FINISHED FLOOR	DPR	DAMPER	HWP	HYDRONIC WATER PUMP	N.O.	NORMALLY OPEN	TR	TAMPER RESISTANT
AFG	ABOVE FINISHED GRADE	DS	SAFETY DISCONNECT SWITCH			NPF	NORMAL POWER FACTOR	T-STAT	THERMOSTAT
AFI	ARC FAULT CIRCUIT	DT	DOUBLE THROW	IC	INTERRUPTING CAPACITY	NTS	NOT TO SCALE	TTC	TELEPHONE TERMINAL
	INTERRUPTER	DWG	DRAWING	IG	ISOLATED GROUND				CABINET
AHU	AIR HANDLING UNIT	EC	ELECTRICAL CONTRACTOR	IMC	INTERMEDIATE METAL CONDUIT	OH	OVERHEAD	TV	TELEVISION
AL	ALUMINUM	ELEC	ELECTRIC, ELECTRICAL	INCAND	INCANDESCENT	OL	OVERLOADS	TVTC	TELEVISION TERMINAL
ALT	ALTERNATE	ELEV	ELEVATOR	IR	INFRARED				CABINET
AMP	AMPERE	EM	EMERGENCY	I/W	INTERLOCK WITH	PA	PUBLIC ADDRESS	TYP	TYPICAL
AMPL	AMPLIFIER	EMS	ENERGY MANAGEMENT SYSTEM			PB	PULL BOX OR PUSHBUTTON		
ANNUN	ANNUNCIATOR	EMT	ELECTRICAL METALLIC TUBING	J-BOX	JUNCTION BOX	PE	PNEUMATIC ELECTRIC	UC	UNDER COUNTER
	APPROXIMATELY	EP	ELECTRIC PNEUMATIC			PED	PEDESTAL	ÜE	UNDERGROUND ELECTRICAL
AQ-STAT	AQUASTAT	EQUIP		KV	KILOVOLT	PF	POWER FACTOR	ÜĞ	UNDERGROUND
	ARCHITECT, ARCHITECTURAL	EWC	ELECTRIC WATER COOLER	KVA	KILOVOLT-AMPERE	PH	PHASE	ÜH	UNIT HEATER
AS	AMP SWITCH		COORDINATE RCPT LOCATION WITH	KVAR	KILOVOLT-AMPERE REACTIVE	PIV	POST INDICATING VALVE	UT	UNDERGROUND TELEPHONE
AT	AMP TRIP		MECHANICAL CONTRACTOR	KW	KILOWATT	PNL	PANEL	ÜTIL	UTILITY
ATS	AUTOMATIC TRANSFER SWITCH	FXIST	EXISTING	KWH	KILOWATT HOUR	PP	POWER POLE	UV	UNIT VENTILATOR OR
AUTO	AUTOMATIC	EXH	EXHAUST			PR	PAIR	٠.	ULTRAVIOLET
	AUXILIARY	EXP	EXPLOSION PROOF	LOC	LOCATE OR LOCATION	PRI	PRIMARY		
AV	AUDIO VISUAL	-/ 11		LT	LIGHT	PROJ	PROJECTION	V	VOLT
AWG	AMERICAN WIRE GAUGE	FA	FIRE ALARM	LTG	LIGHTING	PRV	POWER ROOF VENTILATOR	V̈Α	VOLT-AMPERES
	37.81 11112 37.002	FARP	FIRE ALARM BOOSTER POWER	LTNG	LIGHTNING	PT	POTENTIAL TRANSFORMER	VDT	VIDEO DISPLAY TERMINAL
BATT	BATTERY	11101	SUPPLY PANEL	LV	LOW VOLTAGE	PVC	POLYVINYL CHLORIDE	VERT	VERTICAL
BD	BOARD	FACP	FIRE ALARM CONTROL PANEL				(CONDUIT)	VEIXI	VARIABLE FREQUENCY DRIVE
	BUILDING	FCU	FAN COIL UNIT	MAX	MAXIMUM	PWR	POWER	VOL	VOLUME
BMS	BUILDING MANAGEMENT	FIXT	FIXTURE	MAG.S	MAGNETIC STARTER	. ****		VOL	
51110	SYSTEM	FLR	FLOOR	M/C	MOMENTARY CONTACT	QUAN	QUANTITY	W	WATT
	O.O.LIN		FLUORESCENT	MC	MECHANICAL CONTRACTOR	RC	RETRACTABLE CORD REEL	W/	WITH
С	CONDUIT	FU	FUSE	MCB	MAIN CIRCUIT BREAKER	RCPT	RECEPTACLE	WG	WIRE GUARD
CAB	CABINET	FUDS	FUSED SAFETY DISCONNECT	MCC	MOTOR CONTROL CENTER	REQD	REQUIRED	WH	WATER HEATER
	CATALOG	1 000	SWITCH	MDC	MAIN DISTRIBUTION CENTER	RM	ROOM	W/O	WITHOUT
	CABLE TELEVISION		OTT. OIT	MDP	MAIN DISTRIBUTION CENTER MAIN DISTRIBUTION PANEL	RSC	RIGID STEEL CONDUIT	WP	WEATHERPROOF
CB	CIRCUIT BREAKER	GA	GAUGE	MFR	MANUFACTURER	RTU	ROOF TOP UNIT	**1	TEATHER TOO
CCTV	CLOSED CIRCUIT TELEVISION	GAL	GALLON	MFS	MAIN FUSED DISCONNECT	1110	NOOF FOL ONE	XFMR	TRANSFORMER
CKT	CIRCUIT	GALV	GALVANIZED	IVII U	SWITCH	SC	SURFACE CONDUIT	XFR	TRANSFER
CLG	CEILING	GC	GENERAL CONTRACTOR	MH	MANHOLE	SEC	SECONDARY	VIII	HVIIIOI LII
	COMBINATION	GEN	GENERATOR	MIC	MICROPHONE	SHT	SHEET		
	COMPRESSOR	GEN	GROUND FAULT CIRCUIT	MIN	MINIMUM	SIM	SIMILAR		
	CONNECTION	GFI	INTERRUPTER	MISC	MISCELLANEOUS	S/N	SOLID NEUTRAL		
	CONSTRUCTION	GFP	GROUND FAULT PROTECTOR	MLO	MAIN LUGS ONLY	SPEC	SPECIFICATION	/	ANGLE
	CONTINUATION OR CONTINUOUS	GND	GROUND FAULT PROTECTOR GROUND	MMS	MANUAL MOTOR STARTER	SPEC	SPEAKER	<u> </u>	ANGLE
		GRS						@	
	CONTRACTOR	GKS	GALVANIZED RIGID STEEL	MOA	MULTIOUTLET ASSEMBLY	SP	SPARE	\triangle	DELTA
	CONVECTOR	CVD DI	(CONDUIT)	MSP	MOTOR STARTER PANELBOARD	SR	SURFACE RACEWAY	"	FEET
CP	CIRCULATING PUMP	GYPBI	D GYPSUM BOARD	MSBD	MAIN SWITCHBOARD	SS	STAINLESS STEEL	щ	INCHES
CRT	CATHODE-RAY TUBE	1104	LIANDS OFF AUTOMATIC	MT	MOUNT	SSW	SELECTOR SWITCH	# ~	NUMBER
CT	CURRENT TRANSFORMER	HOA	HANDS-OFF-AUTOMATIC	MT.C	EMPTY CONDUIT	S/S	STOP/START PUSHBUTTONS	Ø	PHASE
	CENTER	HODIZ	SWITCH	MTS	MANUAL TRANSFER SWITCH	STA	STATION	C	CENTER LINE
CU	COPPER	H()Rl7	HORIZONTAL	MTR	MOTOR, MOTORIZED	STD	STANDARD	Р	PLATE

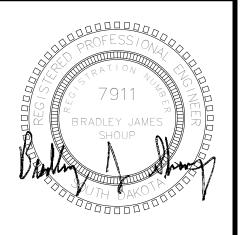
MARK	VOLTAGE CHA	RACTERISTICS	KVA	NOTES		
IVIAIXIX	PRIMARY	SECONDARY	NVA	NOTES		
X1 480/3Ø 208/120/3Ø 112.5 1						
X2	480/3Ø	208/120/3Ø	75	1		
X3	480/3Ø	208/120/3Ø	75	1		



Architecture Incorporated

415 South Main Avenue P.O. Box 2140 Sioux Falls, South Dakota 57101 Phone: (605) 339-1711

815 St Joseph Street, Suite 203 Rapid City, South Dakota 57701 Phone: (605) 721-1158





I ncorporated 340 S. Phillips Ave. Sioux Falls, SD 57104 (605) 335-3720 Fax 335-6220 E-mail acei@aceinet.com

ACEI PROJ. #123026

number 0306.3023.23 7-26-24

			LIGHTING FIXTURE SC	HEDULE		
Proje	ct Name: BRAN	NDON ELEMENTARY SCHOOL, BRANDON SD			ACEI Project No:	123026
TYPE	MFR.	NUMBER	LAMPS	VOLTS	DESCRIPTION	NOTES
Α	COLUMBIA LITHONIA METALUX	EQUAL CPX-2X4-AL08-SWW7 EQUAL	LED/4000K	120-277	LED, 2'X4' RECESSED FLAT PANEL, BACKLIT, SELECTABLE LUMENS AND COLOR TEMP. SET TO 4300 LUMENS/40K.	
AE	COLUMBIA LITHONIA METALUX	EQUAL CPX-2X4-AL08-SWW7-IE10WCP EQUAL	LED/4000K	120-277	SAME AS TYPE "A" EXCEPT EMERGENCY BACKUP.	
AF	COLUMBIA LITHONIA METALUX	EQUAL CPX-2X4-AL08-SWW7-DGA24 EQUAL	LED/4000K	120-277	SAME AS TYPE "A" EXCEPT FLANGE MOUNT.	
AFE	COLUMBIA LITHONIA	EQUAL CPX-2X4-AL08-SWW7-IE10WCP-DGA24	LED/4000K	120-277	SAME AS TYPE "AF" EXCEPT EMERGENCY BACKUP.	
A1	METALUX COLUMBIA LITHONIA	EQUAL EQUAL CPX-2X4-AL08-SWW7	LED/4000K	120-277	SAME AS TYPE "A" EXCEPT APPROXIMATELY 4800 LUMENS.	
A1E	METALUX COLUMBIA LITHONIA	EQUAL EQUAL CPX-2X4-AL08-SWW7-IE10WCP	LED/4000K	120-277	SAME AS TYPE "A1" EXCEPT EMERGENCY BACKUP.	
A2	METALUX COLUMBIA LITHONIA	EQUAL EQUAL CPX-2X4-AL08-SWW7	LED/4000K	120-277	SAME AS TYPE "A" EXCEPT APPROXIMATELY 5400 LUMENS.	
A2E	METALUX COLUMBIA LITHONIA	EQUAL EQUAL CPX-2X4-AL08-SWW7-IE10WCP	LED/4000K	120-277	SAME AS TYPE "A2" EXCEPT EMERGENCY BACKUP.	
A3	METALUX COLUMBIA LITHONIA	EQUAL CPX-2X2-ALO7-SWW7	LED/4000K	120-277	LED, 2'X2' RECESSED FLAT PANEL, DIFFUSE LENS,	
A3E	METALUX COLUMBIA LITHONIA	EQUAL EQUAL CPX-2X2-ALO7-SWW7-IE10WCP	LED/4000K	120-277	APPROXIMATELY 3800 LUMENS. SAME AS TYPE "A3" EXCEPT EMERGENCY BACKUP.	
В	METALUX COLUMBIA LITHONIA	EQUAL STAKS-2X4-ALO6-SWW7	LED/4000K		LED, 2'X4' RECESSED ARCHITECTURAL, ROUND ACRYLIC DIFFUSER, FIELD SELECTABLE LUMENS AND COLOR TEMP.,	
BE	DAY-BRITE COLUMBIA LITHONIA	EQUAL STAKS-2X4-ALO6-SWW7-IE10WCP	LED/4000K		SET TO APPROXIMATELY 4300 LUMENS/4000K. SAME AS TYPE "B" EXCEPT EMERGENCY BACKUP.	
	DAY-BRITE COLUMBIA	EQUAL EQUAL				
B1	DAY-BRITE COLUMBIA	STAKS-2X4-ALO6-SWW7 EQUAL EQUAL	LED/4000K		SAME AS TYPE "B" EXCEPT APPROXIMATELY 4600 LUMENS.	
31E 	LITHONIA DAY-BRITE COLUMBIA	STAKS-2X4-ALO6-SWW7-IE10WCP EQUAL EQUAL	LED/4000K	120-277	SAME AS TYPE "B1" EXCEPT EMERGENCY BACKUP.	
B2 	LITHONIA DAY-BRITE COLUMBIA	STAKS-2X4-ALO6-SWW7 EQUAL EQUAL	LED/4000K	120-277	SAME AS TYPE "B" EXCEPT APPROXIMATELY 5300 LUMENS.	
32E	LITHONIA DAY-BRITE COLUMBIA	STAKS-2X4-ALO6-SWW7-IE10WCP EQUAL EQUAL	LED/4000K	120-277	SAME AS TYPE "B2" EXCEPT EMERGENCY BACKUP.	
B3	LITHONIA DAY-BRITE COLUMBIA	STAK-2X4-7200LM-80CRI-40K-COL-MIN10-ZT-MVOLT EQUAL EQUAL	LED/4000K	120-277	SAME AS TYPE "B" EXCEPT APPROXIMATELY 7200 LUMENS.	
3E	LITHONIA DAY-BRITE COLUMBIA	STAK-2X4-7200LM-80CRI-40K-COL-MIN10-ZT-MVOLT-E10WLCP EQUAL EQUAL	LED/4000K	120-277	SAME AS TYPE "B3" EXCEPT EMERGENCY BACKUP.	
B4	LITHONIA DAY-BRITE COLUMBIA	STAKS-2X2-ALO3-SWW7 EQUAL EQUAL	LED/4000K	120-277	LED, 2'X2' RECESSED ARCHITECTURAL, ROUND ACRYLIC DIFFUSER, APPROXIMATELY 3800 LUMENS.	
34E	LITHONIA DAY-BRITE	STAKS-2X2-ALO3-SWW7-IE10WCP EQUAL	LED/4000K	120-277	SAME AS TYPE "B4" EXCEPT EMERGENCY BACKUP.	
D	WILLIAMS DAY-BRITE LITHONIA	EQUAL FSI-4-55L-840-UNV-DIM-DACH100 ZL1F-L48-5500LM-MDD-MVOLT-40K-80CRI-WH-ZACHHM100	LED/4000K	120-277	LED, INDUSTRIAL FIXTURE, ADJUSTABLE CABLE HUNG, DIFFUSE LENS, APPROXIMATELY 5300 LUMENS.	1
DE	WILLIAMS DAY-BRITE LITHONIA	EQUAL FSI-4-55L-840-UNV-DIM-DACH100-EMLED ZL1F-L48-5500LM-MDD-MVOLT-40K-80CRI-WH-ZACHHM100-E10WLCP	LED/4000K	120-277	SAME AS TYPE "D" EXCEPT EMERGENCY BACKUP.	1
D1	CREE DAY-BRITE LITHONIA	EQUAL FSI-4-45L-840-UNV-DIM ZL1F-L48-4500LM-MDD-MVOLT-40K-80CRI-WH	LED/4000K	120-277	SAME AS TYPE "D" EXCEPT WALL MOUNTED, NO REFLECTOR, AND 4500 LUMENS.	
D1E	CREE DAY-BRITE LITHONIA	EQUAL FSI-4-45L-840-UNV-DIM-EMLED ZL1F-L48-4500LM-MDD-MVOLT-40K-80CRI-WH-E10WLCP	LED/4000K	120-277	SAME AS TYPE "D1" EXCEPT EMERGENCY BACKUP.	
D8	WILLIAMS DAY-BRITE LITHONIA	EQUAL FSI-8-80L-840-UNV-DIM-DACH100 ZL1F-L96-8000LM-MDD-MVOLT-40K-80CRI-WH-ZACHHM100	LED/4000K	120-277	SAME AS TYPE "D" EXCEPT 8' LENGTH AND APPROXIMATELY 8000 LUMENS.	1
E	SURE-LITES DUAL-LITE LIGHTALARMS	EQUAL SESRBNE-I EQUAL	INCLUDED	120-277	LED EXIT LIGHT, SINGLE STENCIL FACE, RED LETTERS, BLACK HOUSING WITH BRUSHED ALUMINUM FACE, SELF-TESTING/SELF-DIAGNOSTIC ELECTRONICS,	
E1	LITHONIA SURE-LITES DUAL-LITE	LE-S-1-R-EL-N-SD EQUAL SEDRBNE-I	INCLUDED	120-277	DIRECTIONAL ARROWS AND MOUNTING AS INDICATED. SAME AS TYPE E EXCEPT DOUBLE FACE.	
	LIGHTALARMS LITHONIA	EQUAL LE-S-2-R-EL-N-SD			LED EMERGENCY LIGHTING UNIT, WHITE HOUSING.	
E2	CURRENT LTG	CU2HLSD	INCLUDED	120-277	TWO ADJUSTABLE AIMING HEADS, SELF-TESTING/DIAGNOSTICS, 550 LUMENS (MIN. 50' O.C. SPACING WHEN MOUNTED AT 7.5' AFF. LED EXIT/EMERGENCY TANDEM UNIT, SINGLE BRUSHED	
E3	EMERGI-LITE	BPR-612M-1-R-2-LB-ADNA-BA	INCLUDED	120-277	ALUMINUM FACE, BLACK HOUSING, DIRECTIONAL ARROWS AND MOUNTING AS INDICATED, SELF-TESTING/DIAGNOSTICS, HIGH OUTPUT LAMPS (MIN. 60' O.C. SPACING WHEN MOUNTED AT 8'AFF).	2
E4	EMERGI-LITE	BPR-624M-1-R-2-LB-ADNA-BA	INCLUDED	120-277	SAME AS TYPE "E3" EXCEPT REMOTE CAPACITY.	2
E5	EMERGI-LITE	BZ-LUX-DC	INCLUDED	DC	LED ARCHITECTURAL, LOW PROFILE, EXTERIOR WALL MOUNTED REMOTE LUMINAIRE, BRONZE FINISH, CONNECT TO INTERIOR EMERGENCY LUMINAIRE, MINIMUM OF 400 LUMENS.	
E6	EMERGI-LITE	BZ-LUX-SD-CW	LED/5000K		LED ARCHITECTURAL, LOW PROFILE, EXTERIOR WALL MOUNTED EMERGENCY LUMINAIRE, BRONZE FINISH, COLD WEATHER	

OPTION, MINIMUM OF 400 LUMENS.

D'	of Names - BB **	NDON ELEMENTARY COLLOCAL REANDON CO.			AGEID	40000
	T	NDON ELEMENTARY SCHOOL, BRANDON SD		1	ACEI Project No:	_
TYPE	MFR.	NUMBER	LAMPS	VOLTS	DESCRIPTION DESCRIPTION	NOTE
Н	LITHONIA	LDN4 ALO2 SWW1 LO4AR LSS WD MVOLT UGZ	LED/4000K	120-277	LED, 4" RECESSED ROUND DOWNLIGHT, WIDE DISTRIBUTION, APPROXIMATELY 1700 DELIVERED LUMENS, DAMP LOCATION LISTED.	
HE	LITHONIA	LDN4 ALO2 SWW1 LO4AR LSS WD MVOLT UGZ EL	LED/4000K	120-277	SAME AS TYPE "H" EXCEPT EMERGENCY BACKUP.	
НС	GOTHAM	IVO4S-D-15LM-40K-80CRI-MWD-MIN10-MVOLT-ZT-ICAT-P-AR-LSS	LED/4000K	120-277	LED, RECESSED LOW PROFILE ROUND DOWNLIGHT, AIR-TIGHT AND IC RATED, APPROXIMATELY 1500 LUMENS.	
H1	LITHONIA	LDN4 ALO3 SWW1 LO4AR LSS WD MVOLT UGZ	LED/4000K	120-277	SAME AS TYPE "H" EXCEPT APPROXIMATELY 2500 LUMENS.	
H1E	LITHONIA	LDN4 ALO3 SWW1 LO4AR LSS WD MVOLT UGZ EL	LED/4000K	120-277	SAME AS TYPE "H1" EXCEPT EMERGENCY BACKUP.	
H2	LITHONIA	LDN4 ALO4 SWW1 LO4AR LSS WD MVOLT UGZ EL	LED/4000K	120-277	SAME AS TYPE "H" EXCEPT APPROXIMATELY 3400 LUMENS.	
H2E	LITHONIA	LDN4 ALO4 SWW1 LO4AR LSS WD MVOLT UGZ EL	LED/4000K	120-277	SAME AS TYPE "H" EXCEPT APPROXIMATELY 3400 LUMENS.	
J#	LEDALITE PEERLESS	7726-LBAVA-XX-GDE-W-S 10CRM4L LLP MSLX 80CRI SBL 40K I1000LMF 700LMF MIN1 ZT 120 SCT F1/24A C210 SCEP	LED/4000K	120-277	LED, SUSPENDED LINEAR DIRECT/INDIRECT, SCULPTED ENDCAPS, APPROXIMATELY 6700 LUMENS PER 4'.	3
J#E	ALERA LEDALITE CORELITE	7726-LBAVA-XX-LDE-W-S 10CRM4L LLP MSLX 80CRI SBL 40K I1000LMF 700LMF MIN1 ZT 120 SCT 1E10WLCP F1/24A C210 SCEP	LED/4000K	120-277	SAME AS TYPE "J#" EXCEPT EMERGENCY BACKUP (1400 LUMENS) WHERE SHOWN ON PLANS.	3,4
K#	ALERA LEDALITE CORELITE	7705-LBBVA-XX-7D-W-S 10CRM4L LLP MSLX 80CRI SBL 40K I700LMF 700LMF MIN1 ZT 120 SCT F1/24A C210 SCEP	LED/4000K	1	LED, SUSPENDED LINEAR DIRECT/INDIRECT, SCULPTED ENDCAPS, APPROXIMATELY 6100 LUMENS PER 4'.	6
K#E	ALERA LEDALITE CORELITE	7705-LBBVA-XX-ND-W-S 10CRM4L LLP MSLX 80CRI SBL 40K I700LMF 700LMF MIN1 ZT 120 SCT 1E10WLCP F1/24A C210 SCEP	LED/4000K	120-277	SAME AS TYPE "K#" EXCEPT EMERGENCY BACKUP (1400 LUMENS) WHERE SHOWN ON PLANS.	4,6
L	FOCAL POINT LIGHTOLIER LITHONIA	1101LED09N352-1177SH LDN6 ALO2 SWW1 LO6AR LSS WD MVOLT UGZ	LED/4000K	120-277	LED, 7" RECESSED ROUND DOWNLIGHT, WIDE DISTRIBUTION, UL WET LOCATION, LENSED.	
M	PRESCOLITE DAY-BRITE LITHONIA	FBX30LL40-UNV-LFA/WG-FBX-2W/FBX-GRIP10 CPHB 30000LM SEF GCL MD MVOLT GZ10 40K 80CRI WGX DWH	LED/4000K	120-277	LED HIGH BAY, 0-10V DIMMING DOWN TO 1%.	
ME	COLUMBIA DAY-BRITE LITHONIA	FBX30LL40-UNV-EMLED-LFA/WG-FBX-2W/ CPHB 30000LM SEF GCL MD MVOLT GZ10 40K 80CRI IE20WCPHE WGX DWH	LED/4000K	1	SAME AS TYPE "M" EXCEPT EMERGENCY BACKUP (MINIMUM OF 3500 LUMENS).	
R	OMNI-LIGHT	GEN2-41-HO-CC TAPE WITH OCH-SWC-CC-FR-AL CHANNEL	LED/4000K	120-277	LED TAPE LIGHTING WITH 1" W X .5" D ALUMINUM CHANNEL AND POWER SUPPLY AS REQUIRED. APPROX 360 LUMENS PER FOOT. PROVIDE CHANNEL ACROSS THE TOP OF TROPHY CASE.	
V	PACO LITHONIA	PUCSA-4F-60L-8-40-MV-W-ND-BABA-BAA-PAF BLWP4-60L-PDSM-MVOLT-GZ10-LP840-TRS-BAA-PAF	LED/4000K	120-277	LED, 8"X4' SURFACE MOUNT SEALED, VANDAL RESISTANT LUMINAIRE, APPROXIMATELY 6000 LUMENS.	
VE	PACO LITHONIA	PUCSA-4F-60L-8-40-MV-W-ND-BABA-BAA-PAF-EM10W BLWP4-60L-PDSM-MVOLT-GZ10-LP840-TRS-BAA-PAF-EZ10WLCP	LED/4000K	120-277	SAME AS TYPE "V" EXCEPT 10 WATT EMERGENCY BACKUP.	
Υ	LITHONIA	DSXW1-LED-20C-530-40K-T3M-MVOLT-DDBXD	LED/4000K	120-277	LED, EXTERIOR WALL MOUNTED FIXTURE, DARK BRONZE FINISH, APPROXIMATELY 4300 LUMENS, TYPE 3 DISTRIBUTION.	
Y1	LITHONIA	DSXW1-LED-20C-700-40K-T3M-MVOLT-DDBXD	LED/4000K	120-277	SAME AS TYPE "Y" EXCEPT APPROXIMATELY 5400 LUMENS.	
Y2	LITHONIA	DSXW1-LED-20C-1000-40K-T2M-MVOLT-DDBXD	LED/4000K	120-277	SAME AS TYPE "Y" EXCEPT 7300 LUMENS AND TYPE 2 DISTRIBUTION.	
Z	NLS LIGHTING LITHONIA	NV-F1-30-16L-45-40K-UNV-KM-BRZ-NA DSXF1 LED P2 40K NSP MVOLT THK DDBXD	LED/4000K	120-277	LED, EXTERIOR BUILDING MOUNTED FLOOD LIGHT, DARK BRONZE FINISH, APPROXIMATELY 4550 LUMENS.	
AA	KIM LITHONIA NLS LIGHTING	EQUAL RSX1-LED-P4-40K-RX-MVOLT-RPA-DDBXD and RSS-25-4-5B-DM19AS-VD-DDBXD POLE. EQUAL	LED/4000K	1	LED, EXTERIOR SITE LIGHTING UNIT, 25' ROUND TAPERED STEEL POLE, VIBRATION DAMPENER, APPROXIMATELY 17,000 LUMENS.	5
AA1	KIM LITHONIA NLS LIGHTING	EQUAL (2) RSX1-LED-P3 40K-RX-MVOLT-RPA-DDBXD and RSS-25-4-5B-DM28AS-VD-DDBXD POLE. EQUAL	LED/4000K	120-277	SAME AS TYPE "AA" EXCEPT 2 LUMINAIRES AT 180 DEGREES AND APPROXIMATELY 14,000 LUMENS.	5
AA2	KIM LITHONIA NLS LIGHTING	EQUAL (2) RSX1 LED P3 40K RX MVOLT RPA DDBXD and RSS 25 4-5B DM29AS VD DDBXD EQUAL	LED/4000K	120-277	SAME AS TYPE "AA1" EXCEPT 2 LUMINAIRES AT 90 DEGREES.	5
AA3	KIM LITHONIA NLS LIGHTING	EQUAL (3) RSX1 LED P3 40K RX MVOLT RPA DDBXD and RSS 25 4-5B DM39AS VD DDBXD EQUAL	LED/4000K	120-277	SAME AS TYPE "AA1" EXCEPT 3 LUMINAIRES AT 90 DEGREES.	5
BB1	KIM LITHONIA NLS LIGHTING	EQUAL (2) RSX1 LED P3 40K RX MVOLT RPA DDBXD and RSS 22 4-5B DM28AS VD DDBXD EQUAL	LED/4000K	120-277	LED, EXT. SITE LIGHTING UNIT, 2 LUMINAIRES AT 180 DEGREES, 22' ROUND TAPERED STEEL POLE, VIBRATION DAMPENER, APPROXIMATELY 14,000 LUMENS.	5
BB2	KIM LITHONIA NLS LIGHTING	EQUAL (2) RSX1 LED P3 40K RX MVOLT RPA DDBXD and RSS 22 4-5B DM29AS VD DDBXD EQUAL	LED/4000K	120-277	SAME AS TYPE "BB1" EXCEPT 2 FIXTURES AT 90 DEGREES.	5
BB3	KIM LITHONIA	EQUAL (3) RSX1 LED P4 40K RX MVOLT RPA DDBXD and RSS 22 4-5B DM32AS VD DDBXD	LED/4000K	120-277	SAME AS TYPE "BB1" EXCEPT 3 LUMINAIRES AT 120	5

4. PROVIDE EMERGENCY BACKUP WHERE SHOWN ON THE PLANS. 5. SEE SITE PLAN FOR OPTICAL DISTRIBUTION TYPES. 6. NUMBER ON PLANS INDICATE LENGTH, HANG APPROXIMATELY 30" BELOW CEILING.

7. PROVIDE ALL REQUIRED ENDCAPS, MOUNTING CLIPS, WIRING HARNESSES AND POWER SUPPLIES TO MEET THE APPLICATION SHOWN ON THE DRAWINGS. SEE ARCHITECTURAL DETAIL FOR ADDITIONAL INFORMATION.

A. EMERGENCY LUMINAIRES WITHIN STORM SHELTERS SHALL HAVE A BATTERY BACKUP TIME OF 2 HOURS IN LIEU OF 90 MINUTES. SEE SHEET 1.20 FOR

1. PROVIDE CABLE LENGTHS AS REQUIRED FOR MOUNTING AT HEIGHTS INDICATED ON THE DRAWINGS.

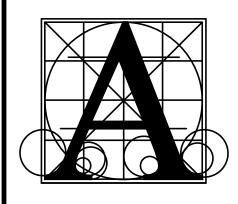
2. PROVIDE WIRE GUARD WHERE INDICATED ON THE LIGHTING PLANS.

3. NUMBER ON PLANS INDICATES LENGTH, HANG APPROXIMATELY 18" BELOW CEILING.

 μ

- 1. PROVIDE A NEMA 3R FUSED DISCONNECT SWITCH (FUSE AT 400A). CONTROL BY MECHANICAL CONTRACTOR (MC).
- 2. PROVIDE CONNECTION TO VFD/DISCONNECT AND UNIT. VFD/DISCONNECT AND CONTROL BY MC. 3. INTERLOCK UNIT WITH FIRE ALARM SYSTEM FOR SHUTDOWN UPON ALARM.
- 4. PROVIDE A COMBINATION MAGNETIC STARTER/NONFUSED DISCONNECT SWITCH WITH H.O.A., 2 N.O, AND 2 N.C. CONTACTS, AND PILOT LIGHTS. CONTROL BY MC.
- PROVIDE UNISTRUT ASSEMBLY AS REQUIRED FOR MOUNTING OF BACKBOARD AND VFD OR STARTER.
- 7. PROVIDE A MANUAL MOTOR STARTER WITH THERMAL OVERLOAD. CONTROL BY MC. 8. CONNECT SHUNT TRIP CIRCUIT BREAKER WITH MUSHROOM HEAD "BOILER EMERGENCY OFF" PUSHBUTTON
- SWITCHES AT ENTRIES TO ROOM.
- 9. CONNECT TO STARTER IN HOOD CONTROL PANEL AND PROVIDE PILOT LIGHT SWITCH FOR CONTROL. DISCONNECT SWITCH AT FAN BY MC.
- 10. PROVIDE A SINGLE POINT POWER CONNECTION, DISCONNECT AT FAN BY MECHANICAL CONTRACTOR. INTERLOCK FAN WITH DISHWASHER VENT FAN CONTROL.
- 11. CONNECT TO STARTER IN HOOD CONTROL PANEL AND PROVIDE PILOT LIGHT SWITCH FOR CONTROL. PROVIDE
- A NON-FUSED DISCONNECT SWITCH AT FAN.
- 12. PROVIDE CONNECTION TO VFD/DISCONNECT AND UNIT, CONTROL BY MC. PROVIDE A NEMA 3R NON-FUSED
- DISCONNECT SWITCH AT UNIT.
- 13. PROVIDE A MANUAL MOTOR STARTER TOGGLE SWITCH AND CONNECT TO CONDENSING UNIT. 14. PROVIDE A NEMA 3R FUSED DISCONNECT SWITCH. CONTROL BY MC.
- 15. PROVIDE A SINGLE POINT POWER CONNECTION, DISCONNECT AND CONTROL BY MC. 16. PROVIDE A NON-FUSED DISCONNECT SWITCH.
- A. SEE KITCHEN PLAN AND FOOD SERVICE EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS.

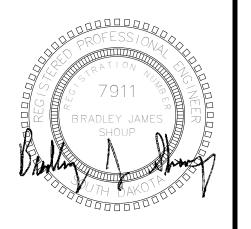
DESCRIPTION CHILLER CH-1	- KW	HP -	MCA 317	МОСР	VOLTS 480	PH 3	NOTES
AIR HANDLING UNIT AHU-1 AHU-2	-	7.5	-	35/3 20/3	480 480	3	2,3,5
AHU-3 AHU-4	-	7.5 15	-	20/3 45/3	480 480	3	2,3,5
AHU-6 PRIMARY HEATING PUMP P-1	-	(2) 15	-	60/3	480 480 480	3 3	2,3,5 2,3,5 4,5
PRIMARY HEATING PUMP P-2 SECONDARY HEATING PUMP P-3	-	2 10	-	-	480	3	4,5
SECONDARY HEATING PUMP P-4 PRIMARY CHILLED PUMP P-5	-	10	-	-	480 480	3	2,5
SECONDARY CHILLED PUMP P-6 ICE STORAGE PUMP P-7	-	20 20	-	-	480 480	3	2,5 2,5
DOMESTIC RE-CIRC PUMP P-8 RECIRC PUMP P-9	-	1/6	-	-	120 120	1 1	6
INFLOOR PUMP P-10 INFLOOR PUMP P-11	.3	-	-	-	120 120	1	6 6
INFLOOR PUMP P-12 INFLOOR PUMP P-13	.3	-	-	-	120 120	1 1	6 6
INFLOOR PUMP P-14 INFLOOR PUMP P-15	.3	-	-	-	120	1	6
BOILER B-1	.3	-	5.4	-	208	3	7,8
BOILER B-2 FAN POWER VAV FP-A100 FP-A101	-	1/2	5.4	-	208 277 277	1 1	7,8 15
FP-B100 FP-B101	-	1/2	-	-	277	1 1	15
FP-B102 FP-B103	-	1/2	-	-	277	1 1	15 15
FP-B105 FP-B119	-	1/2	-	-	277 277	1 1	15 15
FP-B120 FP-B121	-	1 1/2	-	-	277 277	1	15 15
FP-B128 FP-B129	-	1/2	-	-	277 277	1 1	15 15
FP-B131 FP-B133 (ALTERNATE)	-	1/2	-	-	277 277	1 1	15 15
FP-B137 (ALTERNATE) FP-B139	-	1/2	-	-	277 277	1	15 15
FP-B141 FP-B145	-	1/2	-	-	277 277	1 1	15 15
FP-C100 FP-C102	-	1/2	-	-	277 277	1 1	15 15
FP-C104 FP-C106 (ALTERNATE) FP-C109 (ALTERNATE)	-	1/2 1/2 1/2	-	-	277 277 277	1 1 1	15 15 15
FP-C110 (ALTERNATE) FP-C111 FP-C113	-	1/2	-	-	277 277 277	1 1 1	15 15 15
FP-C115 FP-C116	-	1 1/2	-	-	277 277 277	1 1 1	15
FP-C118 FP-C120	-	1/2	-	-	277 277	1 1	15
FP-D100 FP-D101	-	1/2	-	-	277 277	1	15 15
FP-D102 (ALTERNATE) FP-D104	-	1/2	-	-	277 277	1 1	15 15
FP-D105 FP-D107 (ALTERNATE)	-	1/2	-	-	277 277	1 1	15 15
FP-D108 FP-D109	-	1/2	-	-	277 277	1 1	15 15
FP-D111 FP-D112 EP-D113	-	1/2	-	-	277 277	1 1	15 15
FP-D113 FP-D114 (ALTERNATE) FP-D116	-	1/2 1/2 1/2	-	-	277 277 277	1 1 1	15 15 15
FP-D117 FP-D119 (ALTERNATE)		1/2	-	-	277 277 277	1 1 1	15 15 15
FP-D120 FP-D121		1/2	-	-	277 277 277	1 1 1	15
FP-D122 FP-D123		1/2	-	-	277	1 1	15 15
FP-D124 FP-D125		1	-	-	277 277	1	15 15
FP-D126 EXHAUST FAN EF-A105	-	1 1/4	-	-	277 120	1 1	15 15
EF-A111 EF-A118A	.8	1	-	-	120 480	3	15 9
EF-A118B EF-A119	-	1 1/2	-	-	480 120	3 1	9
EF-A124 EF-B114 EE-R128	-	1/6	-	-	120 120	1 1	15 15
EF-B128 EF-C100 EF-D132	-	1/4 1/4 1/4	-	-	120 120 120	1 1 1	15 15 15
EF-D140 EF-G102 (ALTERNATE)	-	1/4 1/10	-	-	120 120 120	1 1 1	15
EF-G106A (ALTERNATE) EF-G106B (ALTERNATE)	-	3/4	-	-	120	1 1	15
EF-G106C (ALTERNATE) RELIEF FAN RF-1	-	3/4	-	15/3	120	1 3	15
RF-2 RF-3	-	5	-	15/3 15/3	480 480	3	2 12
TRANSFER FAN TF-A118A TF-A118B	-	1 1	-	-	480 480	3	3,11 3,11
CABINET UNIT HEATER CUH-A100 CUH-A103	-	1/15, 1/10	-	-	120 120	1 1	15 15
CUH-A104 CUH-A106	-	1/10	-	-	120 120	1 1	15 15
CUH-A122 CUH-B117	-	1/10	-	-	120 120	1 1	15 15
CUH-B135 CUH-C108 CUH-C119	-	1/15, 1/10 1/15, 1/10 1/15, 1/10	-	-	120 120 120	1 1 1	15 15 15
CUH-D103 CUH-D106	-	1/15, 1/10 1/15, 1/10 1/15, 1/10	-	-	120 120 120	1 1 1	15 15 15
CUH-D115 CUH-D118	-	1/15, 1/10	- -	-	120	1 1	15
UNIT HEATER UH-A105 UH-A109	.02	- 1/20	-	-	120 120	1	15 15
UH-A110 UH-A124	-	1/20	-	-	120 120	1	15 15
UH-B136B UH-A200	.01	1/12	-	-	120 120	1 1	15 15
UH-B200 UH-C200	-	1/12	-	-	120 120	1 1	15 15
GUH-1 (ALTERNATE) GUH-2 (ALTERNATE)	-	1/4	-	-	120 120	1 1	6
GUH-3 (ALTERNATE) GUH-4 (ALTERNATE)	-	1/4	-	-	120 120	1 1	6
GUH-5 (ALTERNATE) DUCTLESS SPLIT SYSTEM DSS-1 CONDENSING UNIT CL-1	.2		- 19	- 25/2	120 208	1 1	6 13
CONDENSING UNIT CU-1 CU-2 (ALTERNATE) GAS FURNACE F-1 (ALTERNATE)	-	- 3/4	19 18.4 10.3	25/2 30/2 15/1	208 240 120	1 1 1	14 14 7
CALIERNAIE)	-	0/4	10.3 6	13/1	120	1	6



Architecture Incorporated

415 South Main Avenue P.O. Box 2140 Sioux Falls, South Dakota 57101 Phone: (605) 339-1711

815 St Joseph Street, Suite 203 Rapid City, South Dakota 57701 Phone: (605) 721-1158





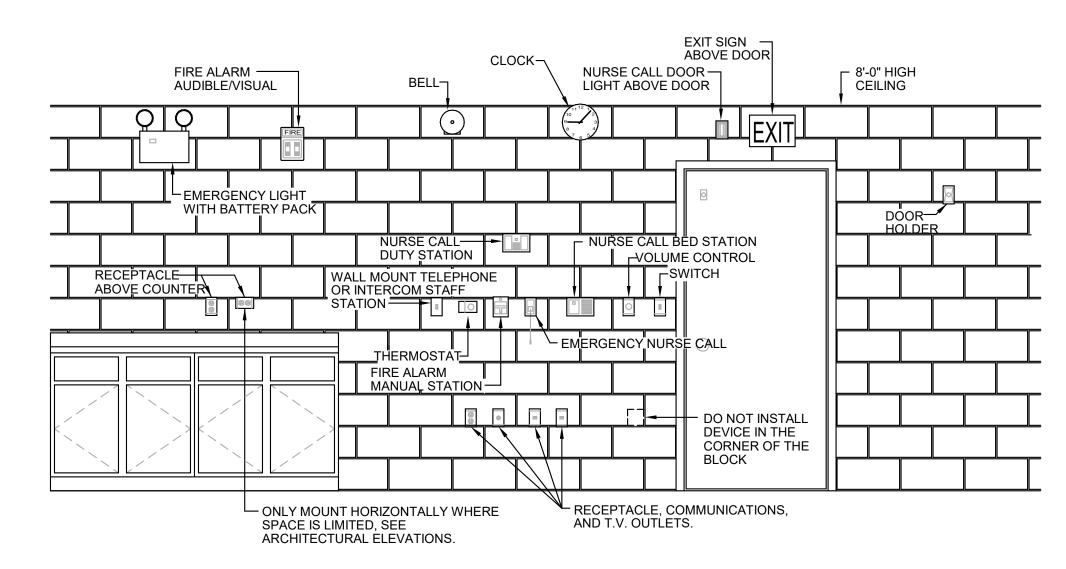
C onsulting Engineering, I ncorporated 340 S. Phillips Ave. Sioux Falls, SD 57104

(605) 335-3720 Fax 335-6220 E-mail acei@aceinet.com

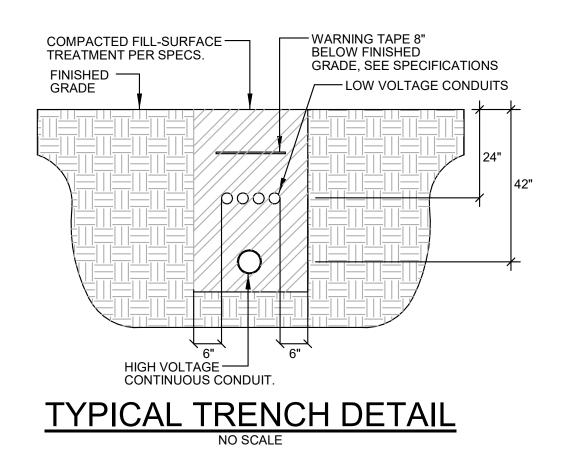
ACEI PROJ. #123026

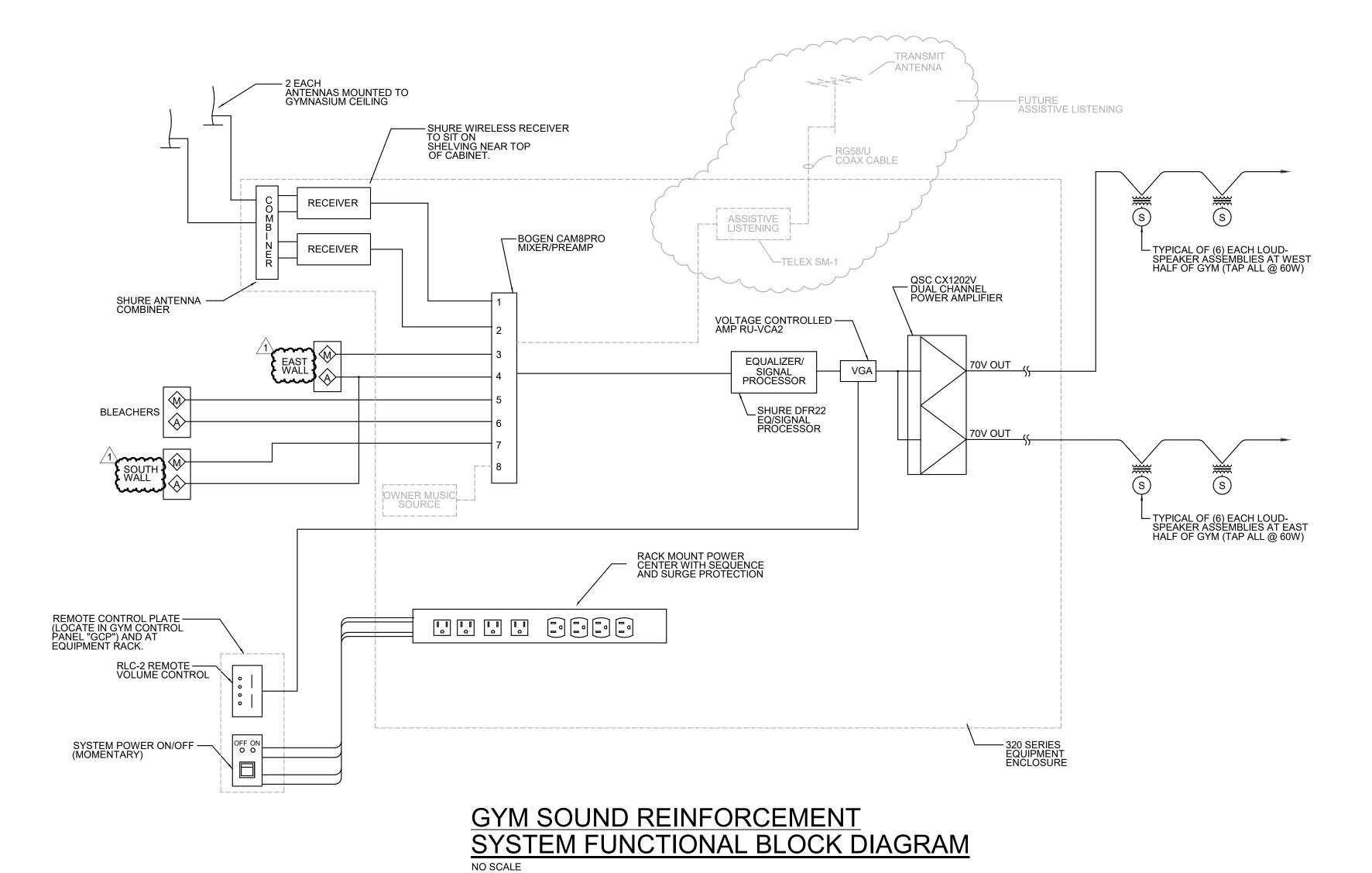
number 0306.3023.23 date JULY 1, 2024 drawn KMT checked BJS DESCRIPTION Addendum #2

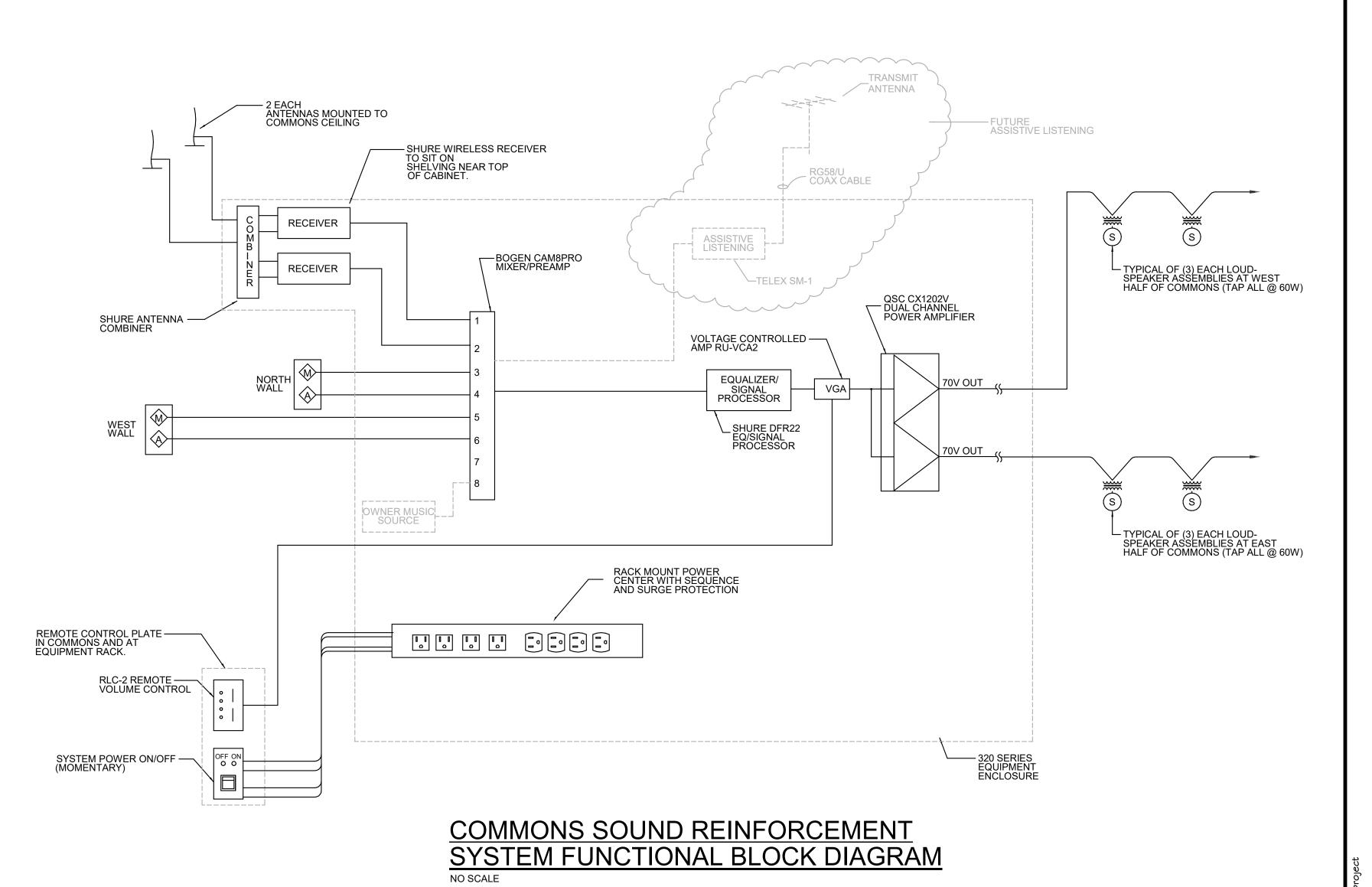
BUILDING SERVICE ENTRANCE GROUNDING DETAIL

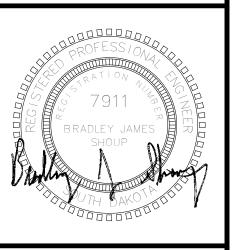


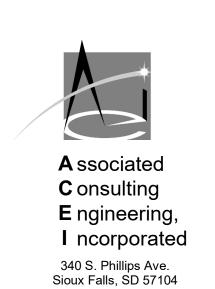
ELECT. DEVICES STANDARD MOUNTING HEIGHT











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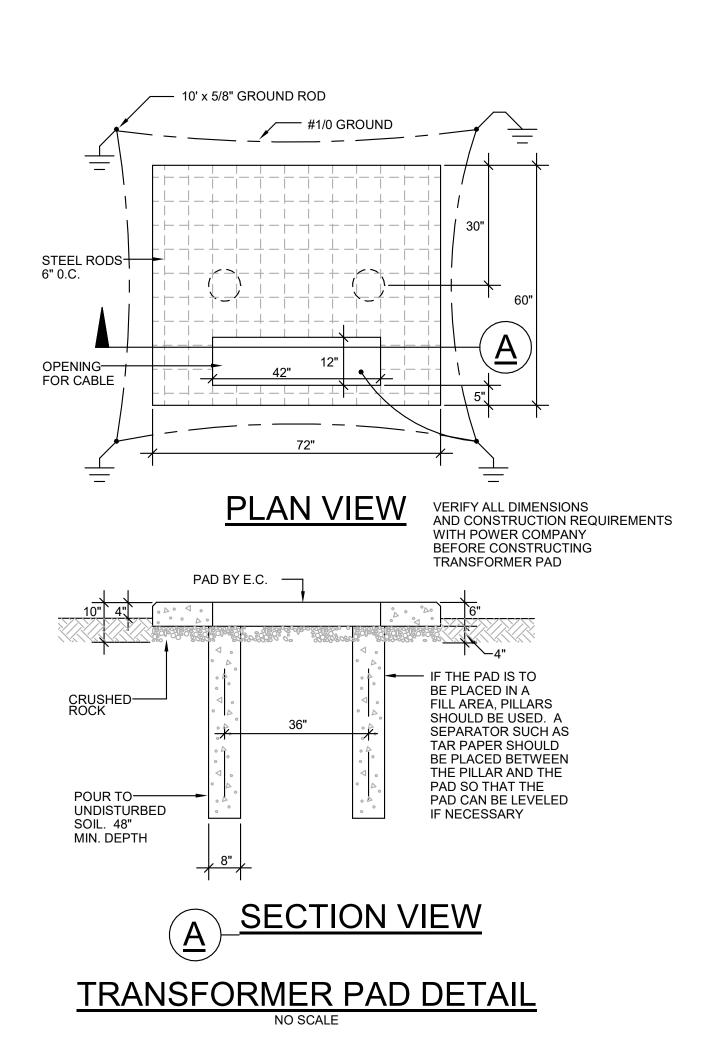
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Fax 335-6220
E-mail acei@aceinet.com

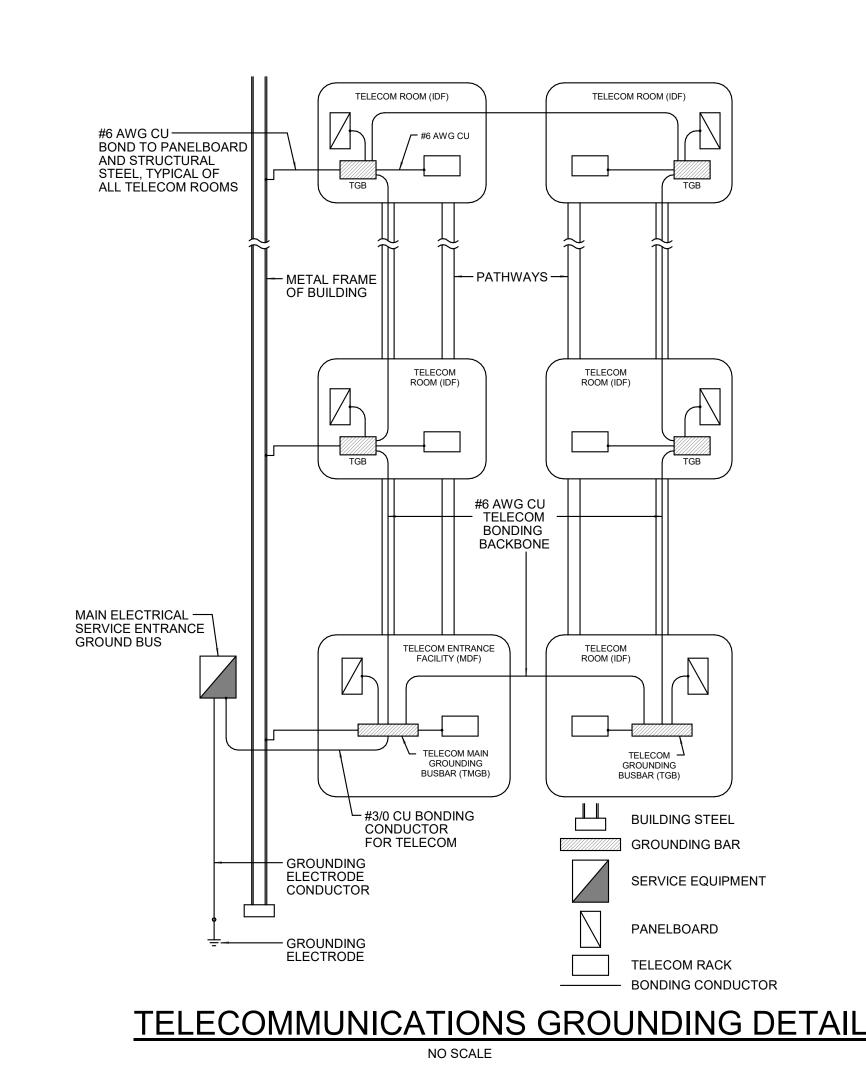
ACEI PROJ. #123026

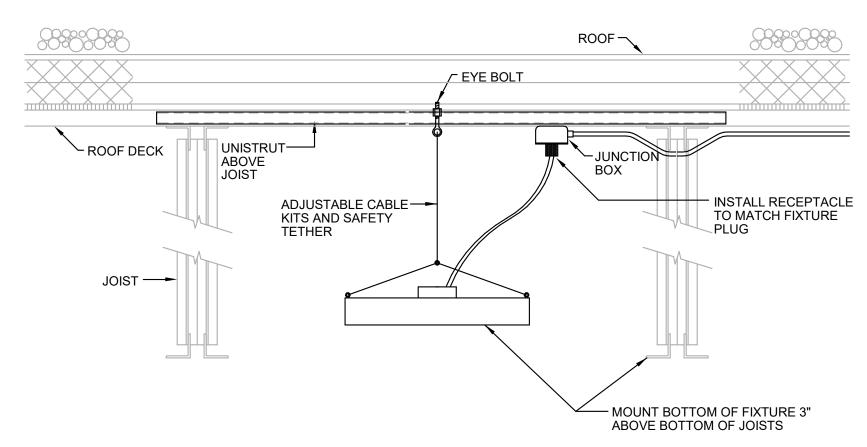
JOON VALLEY ELEMENTARY SCHOOL

number 0306.3023.23
date JULY I, 2024
revision
drawn KMT checked BJS

DATE DESCRIPTION
7-26-24 Addendum #2







TYPE "M" & "ME" FIXTURE MOUNTING DETAIL

6' ABOVE TOP OF EQUIPMENT OR TO STRUCTURE,

← ELECTRICAL WORKING SPACE: *

0-150V TO GROUND (120/208V).

36" FROM FRONT OF EQUIPMENT FOR

42" FROM FRONT OF EQUIPMENT FOR 151-600V TO GROUND (277/480V).

30" WIDE OR WIDTH OF EQUIPMENT, WHICHEVER IS GREATER.

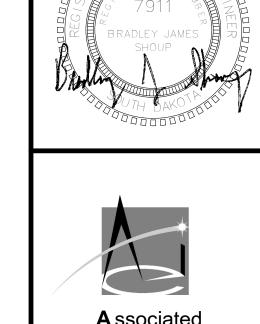
ELECTRICAL WORKING SPACE

* VERIFY WITH LOCAL CODE REQUIREMENTS, SPECIFICATIONS, AND NATIONAL ELECTRICAL CODE.

102" TALL OR HEIGHT OF EQUIPMENT PLUS 24" WORKING SPACE. WHICHEVER IS GREATER.

WHICH EVER IS LOWER.

→ DEDICATED ELECTRICAL EQUIPMENT SPACE.



Architecture

Incorporated

Sioux Falls, South Dakota 57101 Phone: (605) 339-1711

815 St Joseph Street, Suite 203

Rapid City, South Dakota 57701

415 South Main Avenue P.O. Box 2140

Phone: (605) 721-1158



(605) 335-3720 Fax 335-6220 E-mail acei@aceinet.com ACEI PROJ. #123026

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IDON VALLEY ELEMENTARY SCHOOL

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