



THE SCHOOL DISTRICT OF PHILADELPHIA

BOARD OF EDUCATION
Office of Capital Programs
440 North Broad Street, 3rd Floor – Suite 371
Philadelphia, PA 19130

TELEPHONE: (215) 400-4730

Addendum No. 1

Subject: Franklin S. Edmonds Elementary School Major HVAC Renovation

Location: Franklin S. Edmonds

This Addendum, dated June 10, 2021, shall modify and become part of the Bid Documents. Any items not mentioned herein, or affected by, shall remain strictly in accordance with the original document, as modified by addenda, if any.

A. NOTICE: BID OPENING HAS BEEN POSTPONED TO TUESDAY, JUNE 22, 2021

B. RFI'S AND RESPONSES

1. Question:

Please confirm if we are bidding on the AIR in the specifications or will another one be issued? Current AIR has removing the ceiling/floor tile/plaster in the auditorium.

RESPONSE:

First, the AIR is not to be used for bidding purposes, per Section 01 1100-ENVIRONMENTAL COORDINATION. It is provided because it is required by the City to obtain a permit. It includes asbestos containing material throughout the building beyond the limits of the project area.

Second, the Abatement Specification included in Section 01 1135 defines the scope of the abatement for the project and may be used for bidding purposes, as also stated in Section 01 1100.

Third, removing the ceiling/floor tile/plaster in the auditorium is part of the project and included in the scope of the abatement specifications.

Fourth, a revised Abatement Specification will be issued shortly to address possible asbestos in paint.

Addendum No. 1 (cont'd)

2. Question:

Please confirm the fence mentioned in keynote 11 on drawing EP-101 is furnished and installed by the GC contract.

RESPONSE:

Electrical Contractor is responsible for demolition of existing landscaping per keynote #12 of EP-101. Electrical Contractor is responsible for trenching and backfill of electrical service lines per keynote #6 and #2 of EP-101.

Electrical Contractor is responsible for providing concrete equipment pad and concrete-filled pipe bollards per keynote #10 of EP-101.

General Contractor is responsible for furnishing and installing (providing) a new fence, new plantings, and grass re-seeding per revised A-101.

3. Question:

Please confirm the gate mentioned in keynote 11 on drawing EP-101 is furnished and installed by the GC contract.

RESPONSE:

Refer to Question #2 above.

4. Question:

3. Please confirm the plantings/shrubbery mentioned in keynote 11 on drawing EP-101 is furnished and installed by the GC contract.

RESPONSE:

Refer to Question #2 above.

5. Question:

Please confirm the removal of the existing trees and existing shrubbery mentioned in keynote 12 on drawing EP-101 is under the GC contract.

RESPONSE:

Refer to Question #2 above.

6. Question:

Please confirm the GC is responsible for all patching and painting as required.

RESPONSE:

General Contractor is responsible for patching and painting.

7. Question:

A note by CH-1 on drawing E-402 states that all interior/exposed conduit in mechanical/electrical spaces shall be rigid steel, and that conduit in all other spaces shall be EMT. However, spec 260533-3.01A states all exposed conduit & feeder conduit & conduit in wet/damp locations shall be rigid conduit, and no other conditions are mentioned (i.e. what about branch circuits? What about concealed locations?) Please confirm rigid conduit shall be run in mechanical/electrical rooms & wet/damp locations, and that EMT is approved elsewhere.

Addendum No. 1 (cont'd)

RESPONSE:

Provide all conduit as RGS. EMT is not permissible.

8. Question:

General note 5 on drawing EP-001 states that outdoors/underground/slab on grade/service entrance conductors shall be type XHHW-2, and that all other wiring can be type THHN/THWN. However, in spec 260519-3.2, THHN/THWN is listed as acceptable for service entrance, concealed in concrete, and underground feeders. Please confirm the spec section is correct.

RESPONSE:

Confirmed. THHN/THWN is acceptable for service entrance, concealed in concrete, and underground feeders.

9. Question:

Keynote 5 on drawing E-202 and E-203 is not typical for multiple prime projects. Please confirm the delineation of scope should be revised as noted below:

- a. EC furnishes duct detector and sampling tube.
- b. EC provides test switch for duct detector.
- c. EC provides control relay module with form-c contact if form-c contact isn't already built into duct detector.
- d. MC installs duct detector & sampling tube within duct.
- e. EC provides SLC wiring to duct detector.
- f. MC provides control wiring from dry contact of fire alarm relay to mechanical equipment.

RESPONSE:

Electrical contractor will furnish duct detector and sampling tube, provide test switch, provide control relay module with form-c contact, and provide SLC wiring between detectors and new Fire Alarm Control Panel per Electrical Drawings and drawing edit #3 of this addendum.

Mechanical contractor will install duct smoke detectors and sampling tubes and provide interlock with air handling unit controls per mechanical drawings.

All fire alarm wiring shall be provided in RGS conduit.

10. Question:

What vendor services and maintenances the existing fire alarm system? Also, what is the manufacturer of the existing fire alarm system?

RESPONSE:

Existing fire alarm control panel is a conventional Simplex 4002 FACP. The School District of Philadelphia maintains the existing system. The installation and commissioning of the new fire detection devices will be the responsibility of the electrical contractor.

11. Question:

Addendum No. 1 (cont'd)

If we disconnect & reconnect an existing fire alarm device, the fire alarm vendor will not warranty this because it's an existing device. Is this acceptable, or should we include device replacement (which incurs cost)?

RESPONSE:

Electrical Contractor shall utilize all existing devices as indicated on the drawings.

12. Question:

What do the Double Dot lines Indicate?

RESPONSE:

Refer to the fire rating legend on sheet A-101 indicating the fire rating of walls identified on plan.

13. Question:

Is the Mechanical Contractor responsible for excavation for their underground piping?

RESPONSE:

Yes. Mechanical contractor is responsible for excavation and backfill of their underground piping.

14. Question:

Is Mechanical Contractor responsible for the roofing work?

RESPONSE:

Yes. Mechanical contractor is responsible for roofing work.

15. Question:

Is there a Door Schedule available?

RESPONSE:

Refer to A-601 for the door schedule.

16. Question:

Is there a finish schedule available?

RESPONSE:

There is no finish schedule. Refer to the plan drawings for areas of finish replacement.

17. Question:

Note 3 on drawing EP-101 states to provide concrete encased conduits in the crawlspace. We don't think this is feasible or cost effective. The crawl space is not full height to walk in. Could a disconnect be placed outside on the secondary of the transformer so that the concrete encasement of service conductors would be no longer be applicable?

RESPONSE:

A disconnect switch located outside is not acceptable. Electrical contractor shall provide all systems per the contract documents.

Addendum No. 1 (cont'd)

18. Question:

Please clarify whether the GC or the EC is responsible for excavation, concrete, and backfill of electrical trenches.

RESPONSE:

Refer to Question #2 above.

19. Question:

Please clarify how the owner expects the EC to get transformer T7 into the Transformer Rm 009. There is a single door entrance at Visual 011 which will likely be an issue. The drawings do not indicate opening up walls or providing new double doors. Please advise design intent for this scope.

RESPONSE:

Refer to Architectural drawings. The existing North wall of Visual 011 is a folding / demountable partition scheduled to be removed and replaced with a "hard" wall under this project. Coordinate with General Contractor to allow access for transformer T7 into the space prior to the partition wall being replaced.

20. Question:

Ref. Drawing EP502 – Feeder Legend. We could not locate feeder no. 4 on the single line diagram. Is feeder no. 4 being used on this project?

RESPONSE:

No. Feeder #4 is not used.

21. Question:

Specification section 260533 calls for the exclusive use of RGS conduit on this project. Is the EMT conduit allowed?

RESPONSE:

No. EMT is not permissible. Provide RGS conduit.

22. Question:

Is the MDP 800A or 1200A, on the single line the MDP is 800 Amps, on the panel schedule it is 1200 Amps?

RESPONSE:

Provide a 1200A capacity new main distribution panel MDP.

23. Question:

Drawing M-106, note 20, is the 12" insulated plenum to be internally insulated or externally insulated?

RESPONSE:

The mechanical contractor will provide external insulation for the 12" insulated plenum referenced on *Keynote #20* of M-106.

24. Question:

Addendum No. 1 (cont'd)

Please provide a spec and details for the fencing at the transformer.

RESPONSE:

Refer to attached updated drawings, as well as 4/A-101 for the plan and 10/A-501 for the footing detail.

25. Question:

There appears to be a conflict in the completion dates stipulated in the specifications.

-Spec section 01 1300, 1.2, B. indicates Final Completion “No later than October 1, 2021”.

-Spec section 01 1300, 1.4 “phasing” indicates a Construction Complete date of Aug. 22nd, 2022.

Please advise, which are the correct dates.

RESPONSE:

Correct the Substantial Completion Date to August 22, **2022** and the Final Completion Date to October 1, **2022** in Section 01 1300 TIME OF COMPLETION, etc.

26. Question:

At the walk thru, the group leader mentioned that the new electrical equipment would be installed in a storage room. Can this layout be provided?

RESPONSE:

Provide new electrical service equipment in Room 009 per bid documents.

27. Question:

On E102, Rm 117 has no demo note for the UV. Can one be provided?

RESPONSE:

E-102 *does* indicate for Classroom 117, unit ventilator to be demolished per *Keynote #1*.

28. Question:

On E201, where is the CU located since it is shown outside the basement?

RESPONSE:

E-201 shows a condensing unit (CU-1) outside of Transformer Room 009. This is located at grade.

29. Question:

On E202, what number is CUH 107?

RESPONSE:

On E202, Keynote 4 applies to CUH-107.

30. Question:

On E202, what number is the UV in rm 117?

RESPONSE:

E-202 *does* indicate *Keynotes #1* and *#2* for the Classroom 117 unit ventilator.

Addendum No. 1 (cont'd)

31. Question:

On EP100, Note 5 says that all service entrance wiring is XHHW, spec section 260519 says that THHN is permitted for service entrance wiring. Which is correct?

RESPONSE:

THHN is acceptable.

32. Question:

On EP101 Note 9, is the EC responsible for landscaping? If so how many plants are required?

RESPONSE:

Refer to Question #2 above.

33. Question:

On E402, the chiller indicates that EMT can be installed but it is not in the specifications. Is EMT allowed?

RESPONSE:

No. Utilize RGS conduit for chiller wiring.

34. Question:

On EP504, is there a detail for the interior of the vault, are arms, racks, ground rods, etc. required?

RESPONSE:

No detail will be provided. Installation to comply with PECO requirements.

35. Question:

On EP504, how many stirrups are required for the typical ductbank detail?

RESPONSE:

Stirrups are required, top and bottom, for those portions of ductbanks that are within 10 feet of a wall penetration or connection to the precast transformer foundation or below-grade PECO splice box, or which are below a concrete slab. Where required, stirrup spacing is to be 12" as noted on the detail.

36. Question:

How many housekeeping pads are required for new electrical service?

RESPONSE:

The General Contractor will provide five (5) new housekeeping pads for the electrical service equipment. See Drawing Modification #10 below.

37. Question:

Who is responsible for electric work shown on Drawing A401 and AD401. None of this work is shown on "E" Drawings.

RESPONSE:

Addendum No. 1 (cont'd)

Electrical Contractor is responsible for demolition of existing and providing of new auditorium lighting, wiring, conduits, controls, hangers, and accessories. Refer to attached EP-103. Corridor 123 lighting is existing to remain.

38. Question:

Was a Service and Meter filed with PECO for the new service?

RESPONSE:

PECO has been contacted and a Service and Meter paperwork started.

39. Question:

Can you provide a quantity of conduits, wire size to be relocated in Visual Room B1? Work is not shown on electric drawings – a L&I violation.

RESPONSE:

No conduits will be relocated from the Visual Room B1.

40. Question:

New service equipment is installed where existing equipment is located. How do we keep building energized while we are installing new service if we have to demolish existing equipment?

RESPONSE:

The existing service must be maintained in operation to the greatest extent feasible during installation of new service equipment. The layout indicated on Drawing EP-401 takes this into account. Suggested sequence of work is as follows:

- a) Remove abandoned freestanding cabinet and associated wall cabinet/pullbox (Sheet Note #7) and install new Main Distribution Panel MDP. Install feeder for MDP to convenient location near MCB (1 of 2) -- this MCB to be installed during service outage for changeover.
- b) Install new switchboard SWBD-CH / MCB (2 of 2).
- c) Install new Transformers T1, T2, T5, and T6, including primary feeders from MDP, and the associated enclosed circuit breakers. Install secondary conduits and/or feeders, to the extent possible, to minimize shutdown for service switchover. NOTE: COORDINATE / ADJUST EXACT LOCATION OF THESE TRANSFORMERS AND CIRCUIT BREAKERS to allow additional clearance for later moving Transformer T7 into the room and switchboard removal.
- d) Install new service entrance conduits, exterior foundation and pad for utility transformer and meter, new main electrical grounding system, etc., while completing the above work.
- e) Schedule / coordinate service outage for changeover with PECO. At the beginning of this outage, remove existing 50 KVA transformer and primary-side disconnect switch (Sheet Notes # 4 and 5) and install and connect MCB (1 of 2).
- f) Time permitting, remove the existing 37.5 KVA transformer (Sheet Note #6), and the 400A main service disconnect and PECO metering cabinet (Sheet Notes #2 and #3), and install Transformers T3 and T4 and Circuit Breaker CB4 during the service outage / changeover; otherwise, complete this work as soon following the outage as possible.

Addendum No. 1 (cont'd)

- g) Energize and place the new 208/120V electrical service into operation and complete tie ins to refeed existing electrical system / equipment to remain.
- h) Remove existing live front switchboard and service entrance pullbox (Sheet Notes #1 and #8).
- i) Install Transformer T7 and Circuit Breaker CB7.

41. Question:

AD-102, Keynote D18 indicates for the general contractor to remove existing wall paint finish. The abatement specification indicates that all paints throughout the building are to be assumed to contain asbestos. Three CMU walls of Play Room A103 are indicated with this keynote D18. Who is responsible for removal of the wall paint finish and how is this to be accomplished on CMU walls?

RESPONSE:

First, DELETE DEMO KEYNOTE D-18 on Drawings AD-101, AD-102 AND AD-103

Second, A revised Abatement Specification will be issued shortly to address possible asbestos in paint.

42. Question:

Drawing A401 indicates that the 2X4 fixtures in corridor 123 are new. Drawing E202 does not indicate that new fixtures are to be installed in this corridor. If new 2X4 fixtures are to be installed, can the Type be identified or provide a part number?

RESPONSE:

Lighting in Corridor 123 is existing to remain. General Contractor will support existing light fixtures from structure.

43. Question:

Drawing A401, Note C1 says to provide new fixtures in the classrooms and lounge, AD401 says to protect the existing fixtures and E202 does not indicate any scope of work. Which is correct?

RESPONSE:

Lighting in Classrooms 117, 118, 119, 120, 121, and 122 is existing to remain.

44. Question:

Drawing AD401 indicates that the light fixtures in the auditorium ceiling are to be removed. Drawing E102 does not indicate any demolition in the auditorium. Which is correct?

RESPONSE:

See Question 37 above.

45. Question:

Drawing AD401 indicates that the light fixtures in corridor 123 are to be removed. Drawing E102 only indicates that light fixtures in the boys & girls restrooms which are labeled differently on the Architectural drawings are to be removed. Which is correct?

RESPONSE:

Addendum No. 1 (cont'd)

Lighting fixtures in Corridor 123 are to remain. General Contractor will support existing light fixtures from structure. Electrical Contractor will remove existing and provide new lighting for 113 Boys and 114 Girls per Electrical Drawings.

46. Question:

Drawing A401 indicates that the auditorium is receiving new Type C8 fixtures. Can Type C8 be defined?

RESPONSE:

See Question 37 above.

C. SPECIFICATION CHANGES

No Specification edits will be made by this Addendum.

D. DRAWING CHANGES

1. **ADD EP-103 ELECTRICAL CEILING PLANS** to define the auditorium lighting scope. See attached.
2. **MODIFY** all drawings to indicate a total of “53” Sheets. Renumber sheets 43 through 52 as 44 through 53.
3. **ADD Keynote #13** to Room 116 on E-202: “Provide a new, addressable, fire alarm control panel for all new fire alarm equipment. FACP shall be Siemens DESIGO or approved equal (Edwards EST series or Notifier are approved manufacturers). The new fire alarm control panel shall integrate with the existing fire alarm system (Simplex 4002) located in Rm. 116. The new fire alarm control panel shall be an addressable, analog detecting, low voltage and modular. It shall provide sufficient cabinet and electronic expansion capability to support both the current project’s scope of work equipment and also future replacement of the existing conventional system; including the ability to provide voice notification in compliance with all current applicable codes and standards. Panel shall be provided with Standalone DACT, and be expandable to include the following features: Min. 500 addressable devices, Voice components and etc. All fire alarm wiring shall be provided in RGS conduit.
4. **ADD Keynote #7** to Room 024 on E-201: “Provide fire alarm annunciator panel at the constantly attended location (Activation of a duct smoke detector shall initiate a supervisory signal).”

Addendum No. 1 (cont'd)

5. **ADD** *Keynote #I4* to Room 116 on E-202: “Provide a smoke detector at the location of the new fire alarm control panel and tie into new FACP.”
6. **MODIFY** *Keynote #D10 of AD-401* to indicate: “Remove existing 2’x4’ ACT & Grid. Temporarily support speakers and exits signs. Provide new support of existing lighting fixtures and HVAC diffusers from structure.”
7. **MODIFY** *Keynote #D15 of A-401* to indicate: “Electrical Contractor to remove existing lighting fixtures. Coordinate ceiling demolition with Electrical Contractor.”
8. **MODIFY** *Keynote #C8 of A-401* to indicate: “Electrical Contractor to provide new lighting fixtures. Coordinate new ceiling with Electrical Contractor.”
9. **ADD** *Keynote #4* to CUH-107 on E-202.
10. **ADD** *Keynote #A16* to A-101 in Room 9: “Provide five (5) equipment pads for the new electrical service equipment. Coordinate exact sizes and locations with electrical contractor.
 - a. T1, T2, T5, T6, and CBs: approximately 4’-0” W x 10’-4” L x 0’-6” H
 - b. T3: approximately 2’-0” W x 2’-0” L x 0’-6” H
 - c. T7: approximately 4’-4” W x 3’-6” L x 0’-6” H
 - d. T4: approximately 2’-0” W x 2’-0” L x 0’-6” H
 - e. SWBD-CH: approximately 6’-0” W x 3’-0” L x 0’-6” H
11. **MODIFY** EP-502 One Line Diagram New Main Distribution Panel MDP to indicate 1200A Capacity.
12. **MODIFY** EP-101 *Keynote #11* to indicate: “Provide 6” high concrete equipment pad. General Contractor will provide new fencing, gate, planting, and re-seeding of area. Refer to A-101 for General Contractor scope of work”.
13. **DELETE** the following text from E-402 leader note adjacent to Chiller CH-1: “All interior/exposed conduit in mechanical/electrical spaces shall be rigid steel. Conduit in all other spaces shall be EMT.”
14. **ADD** *keynote #20* to M-105 at Kitchen 030: “Provide blank-off panel and seal kitchen exhaust hood penetrations upon removal of piping. Paint to match existing finishes.”
15. **MOVE** Typ. Louver for Unit Ventilator Detail and Typ. Louver for Unit Ventilator II Detail from A-501 to A-601. See attached.

Addendum No. 1 (cont'd)

16. **ADD** Typ. Fence Elevation and Landscaping Plan to A-501. See attached.

End of Addendum No. 1

NO.	DATE	REVISION
05	09JUN21	ADDENDUM #1
04	07MAY21	BID DOCUMENTS
03	27DEC19	100% SUBMISSION
02	18OCT19	90% SUBMISSION
01	16AUG19	60% SUBMISSION

SCHOOL & LOCATION
FRANKLIN S. EDMONDS E.S.
8060 WILLIAMS AVE.
PHILADELPHIA, PA 19150

PROJECT TITLE
MAJOR HVAC RENOVATION

DRAWING SCALE
**ARCHITECTURAL NEW WORK
BASEMENT FLOOR PLAN**

DRAWING SCALE	FILE NO.
N/A	N/A
LOCATION NO.	CHECKED BY
4210	KK
DRAWN BY	RP
8-072(c) of 2018/2019	8-073(c) of 2018/2019
8-074(c) of 2018/2019	

DRAWING NO.
A-101
10 OF 51

GENERAL PLAN NOTES

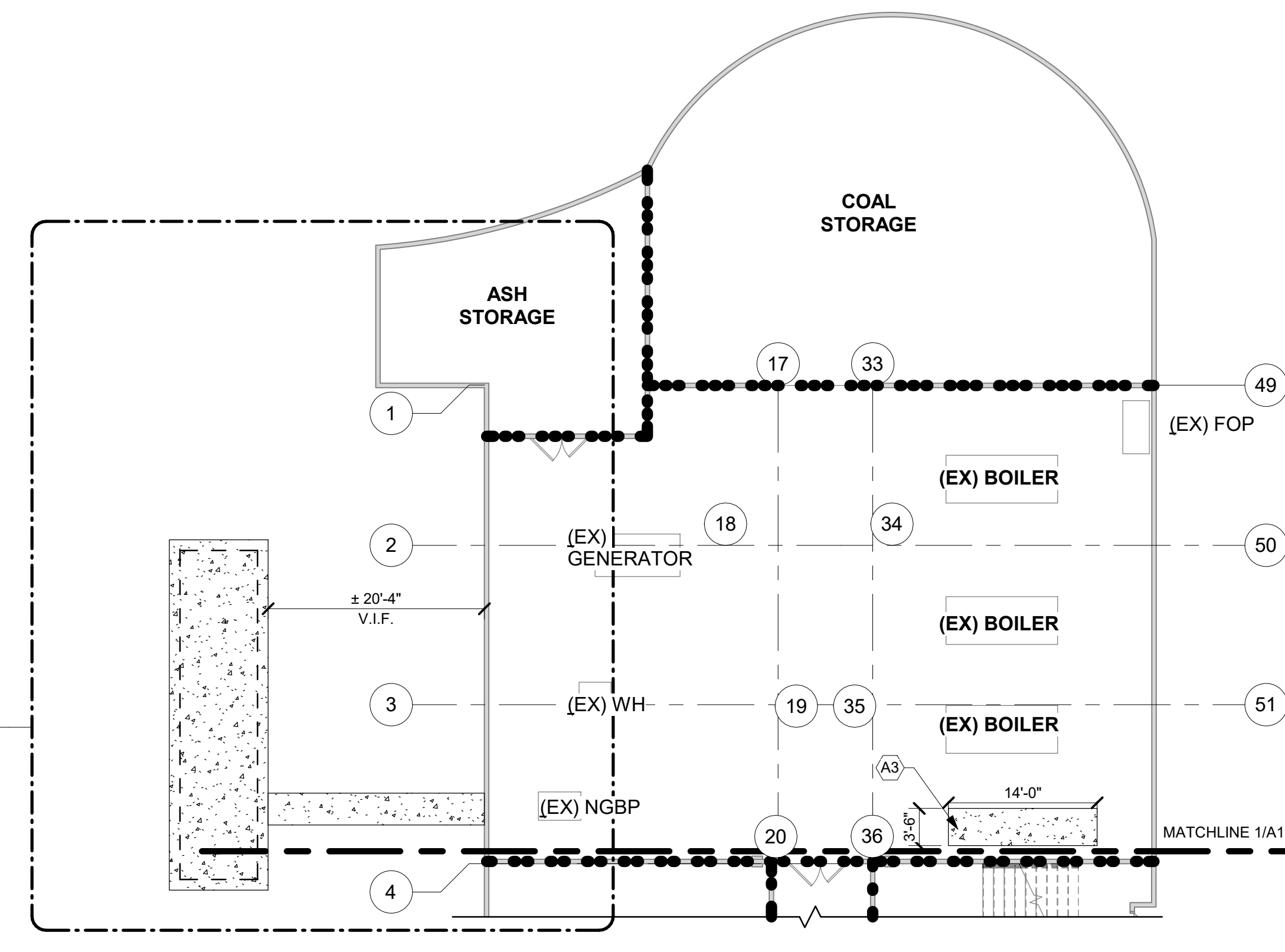
1	ALL PENETRATIONS THROUGH FIRE-RATED WALL & FLOOR ASSEMBLIES SHALL BE FIRE STOPPED/RATED. ALL TRADES TO PROVIDE FIRESTOPPING TO MAINTAIN FIRE RATING. SEE ARCHITECTURAL FLOOR PLANS FOR FIRE-RATING OF WALLS.
2	GC SHALL PREPARE EXISTING FLOOR SUBSTRATES AS RECOMMENDED BY VCT FLOORING AND ADHESIVE MANUFACTURER BEFORE INSTALLING NEW VCT FLOOR FINISHES. SEE SPEC SECTION 09 65 00 - RESILIENT FLOORING FOR ADDITIONAL INFORMATION.

NOTE: SURFACES IN THIS BUILDING HAVE BEEN CONFIRMED FOR THE PRESENCE OF ASBESTOS CONTAINING PAINT. DO NOT MAKE ANY NEW PENETRATIONS THROUGH WALLS, FLOORS, OR CEILING WITHOUT COORDINATION WITH THE SDP CONSTRUCTION MANAGER, CONSULTATION OF THE OFFICE OF ENVIRONMENTAL MANAGEMENT (OEM) ASBESTOS INSPECTION REPORT, AND WRITTEN APPROVAL OF THE OEM FOR EACH INSTANCE.

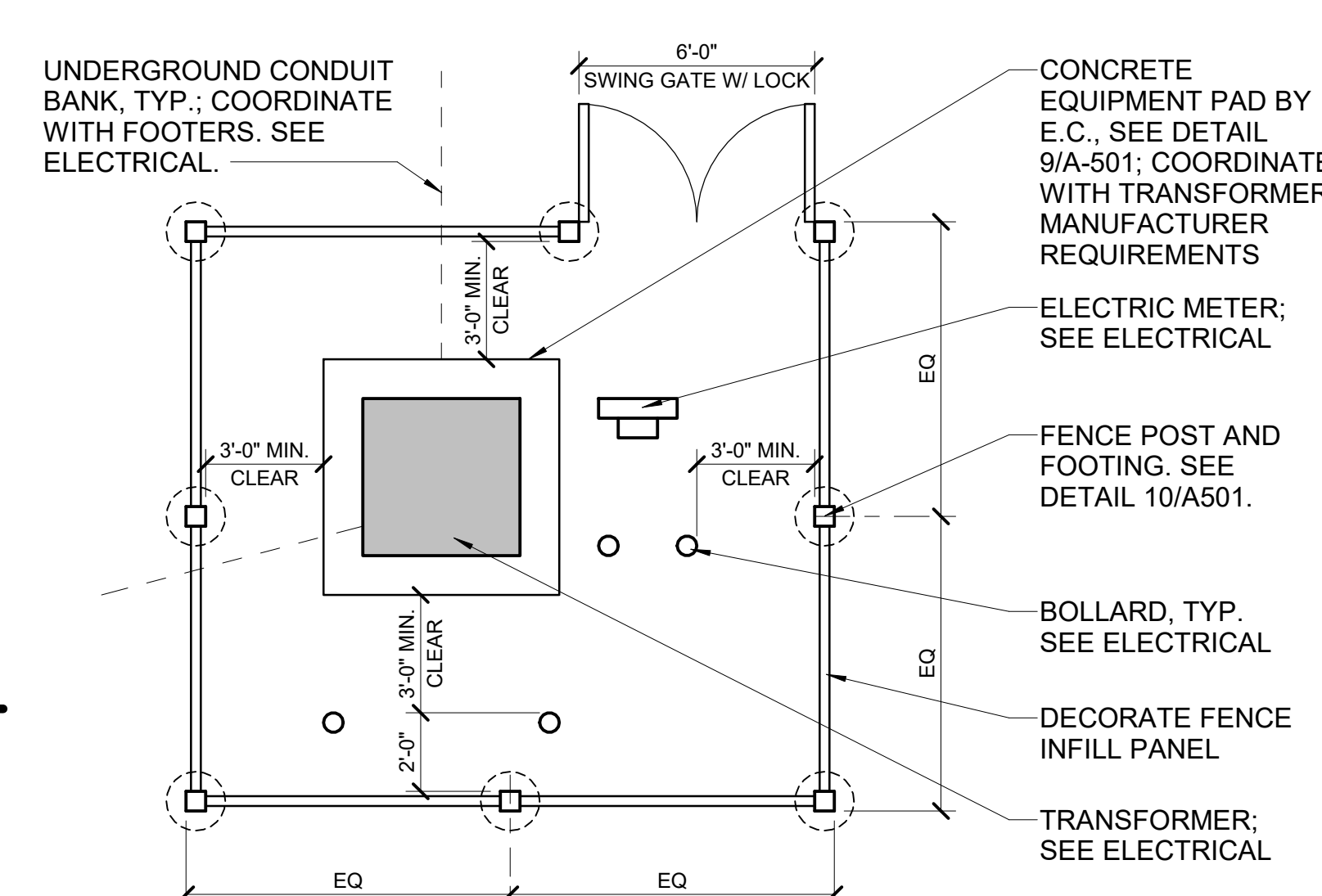
BASEMENT PLAN KEYNOTES

NO.	DESCRIPTION
A1	PROVIDE NEW INTAKE LOUVER, SLEEVE AND FLASHING AT THIS LOCATION. SEE LOUVER SCHEDULE AND DETAILS ON SHEET A-801.
A2	PROVIDE NEW 12"x12" VCT UNDER REPLACED MECHANICAL EQUIPMENT. EXTENT OF WORK APPROX. 36 SF AT EA LOCATION. REFER TO DETAIL 8/A501.
A3	PROVIDE NEW CONCRETE PAD; PAINT, TYP. COORDINATE SIZE OF PAD WITH MECHANICAL. REFER TO TYP. DETAIL 5/A501.
A4	PATCH/REPAIR & PAINT WALLS & LOUVER JAMBS IMPACTED BY MECHANICAL WORK. WALLS TO BE PAINTED PER SPECIFICATION 09 9123.
A5	REPLACE LOUVER INTO EXISTING BOTTOM SASH-FRAME. ENSURE A WATERTIGHT SEAL AROUND ENTIRE PERIMETER OF LOUVER. SEE LOUVER SCHEDULE AND DETAILS ON SHEET A-801.
A6	PROVIDE NEW BRICK VENT LOUVER, SLEEVE AND FLASHING AT THIS LOCATION. SEE LOUVER SCHEDULE AND DETAILS ON SHEET A-801.
A7	PROVIDE NEW 12" THICK CONCRETE PAD FOR CHILLER; COORDINATE SIZE OF PAD WITH MECHANICAL. REFER TO DETAIL 9/A-501.
A8	NEW CHILLER EQUIPMENT. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
A9	PIPING IN TRENCH. SEE MECHANICAL DWGS. GC TO PROTECT MECH. EQUIP./PIPING AND INFILL TRENCH WITH CRUSHED STONE AND CONCRETE TOPPING. SEE DETAIL 9/A-501.
A11	PROVIDE 8" CMU WALL, FULL HEIGHT. GROUT SOLID. SEE DETAIL 12/A-501. PAINT BOTH SIDES.
A13	PROVIDE NEW 12" VCT FLOOR TILING.
A14	PROVIDE NEW 5/8" GYP. BD. WITH 7/8" METAL FURRING. REFER TO DETAIL 11/A501.
A15	REPAINT EXISTING WALL.
A16	PROVIDE FIVE (5) EQUIPMENT PADS FOR THE NEW ELECTRICAL SERVICE EQUIPMENT. COORDINATE EXACT SIZES AND LOCATIONS WITH ELECTRICAL CONTRACTOR.

a.T1, T2, T5, T6, AND CBS: APPROXIMATELY 4'-0" W X 10'-4" L X 0'-6" H
b.T3: APPROXIMATELY 2'-0" W X 2'-0" L X 0'-6" H
c.T7: APPROXIMATELY 4'-4" W X 3'-6" L X 0'-6" H
d.T4: APPROXIMATELY 2'-0" W X 2'-0" L X 0'-6" H
e.SWB-D-CH: APPROXIMATELY 6'-0" W X 3'-0" L X 0'-6" H

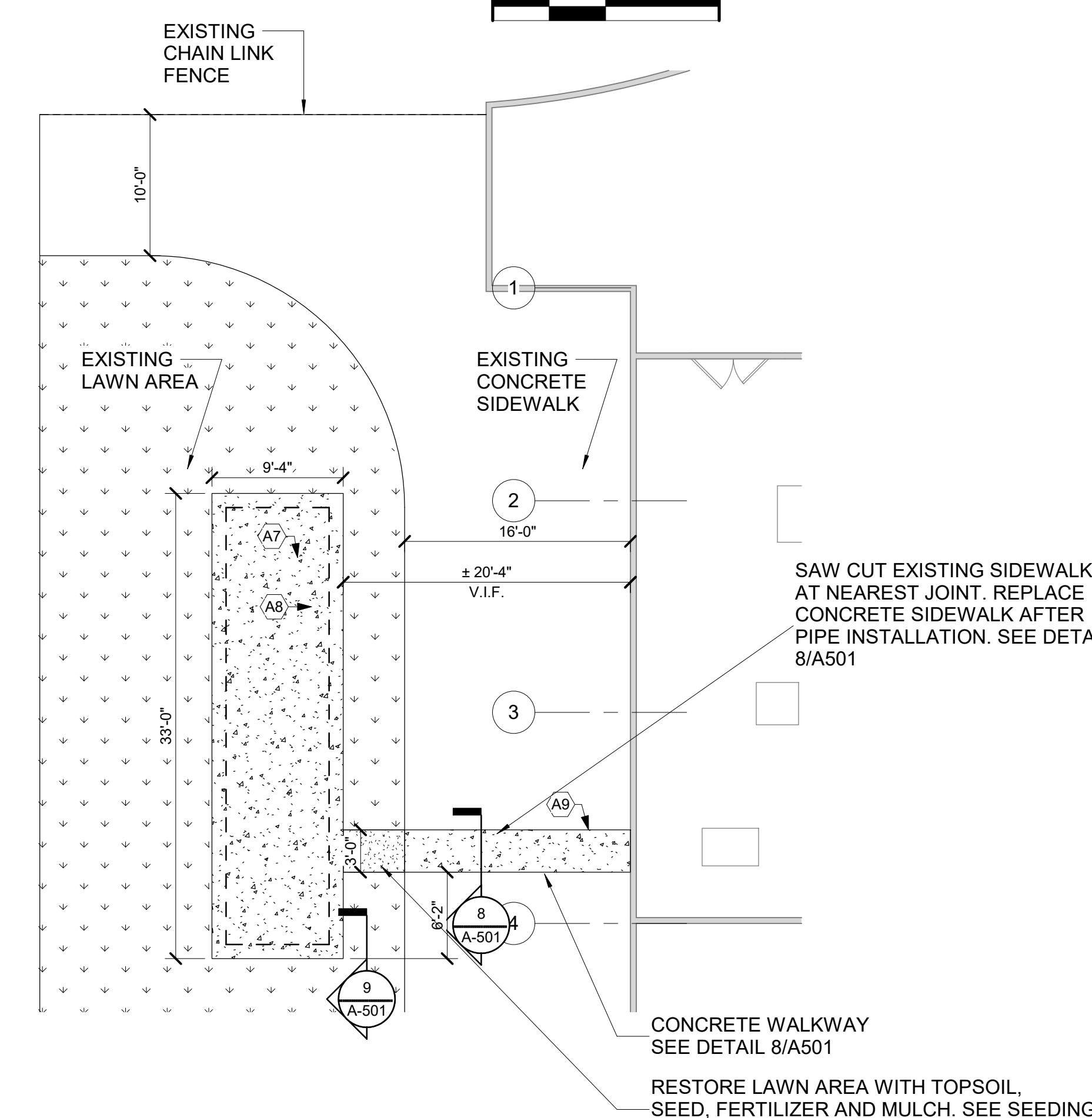
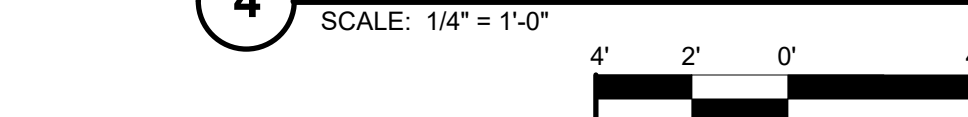


2 ARCHITECTURAL NEW WORK BASEMENT FLOOR PLAN - BOILER ROOM

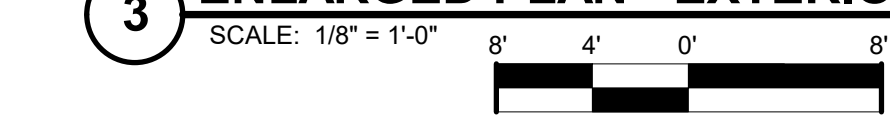


NOTE:
REFER TO 4/A-501 FOR LANDSCAPING PLAN.

4 ENLARGED PLAN - EXTERIOR TRANSFORMER



3 ENLARGED PLAN - EXTERIOR CHILLER AND TRENCH



FERTILIZER:
ORGANIC OR SYNTHETIC GRANULAR CONTROLLED RELEASE FERTILIZER CONTAINING THE FOLLOWING MINIMUM PERCENTAGES, BY WEIGHT, OF PLANT FOOD NUTRIENTS:
• 18% AVAILABLE NITROGEN
• 24% AVAILABLE PHOSPHORUS
• 12% AVAILABLE POTASSIUM

MULCH:
MULCH SHALL BE FREE FROM NOXIOUS WEEDS, MOLD, AND OTHER DELETERIOUS MATERIALS.

HAY:
AIR DRY CONDITION AND OF PROPER CONSISTENCY FOR PLACING WITH COMMERCIAL MULCH BLOWING EQUIPMENT. HAY SHALL BE STERILE, CONTAINING NO FERTILE SEED.

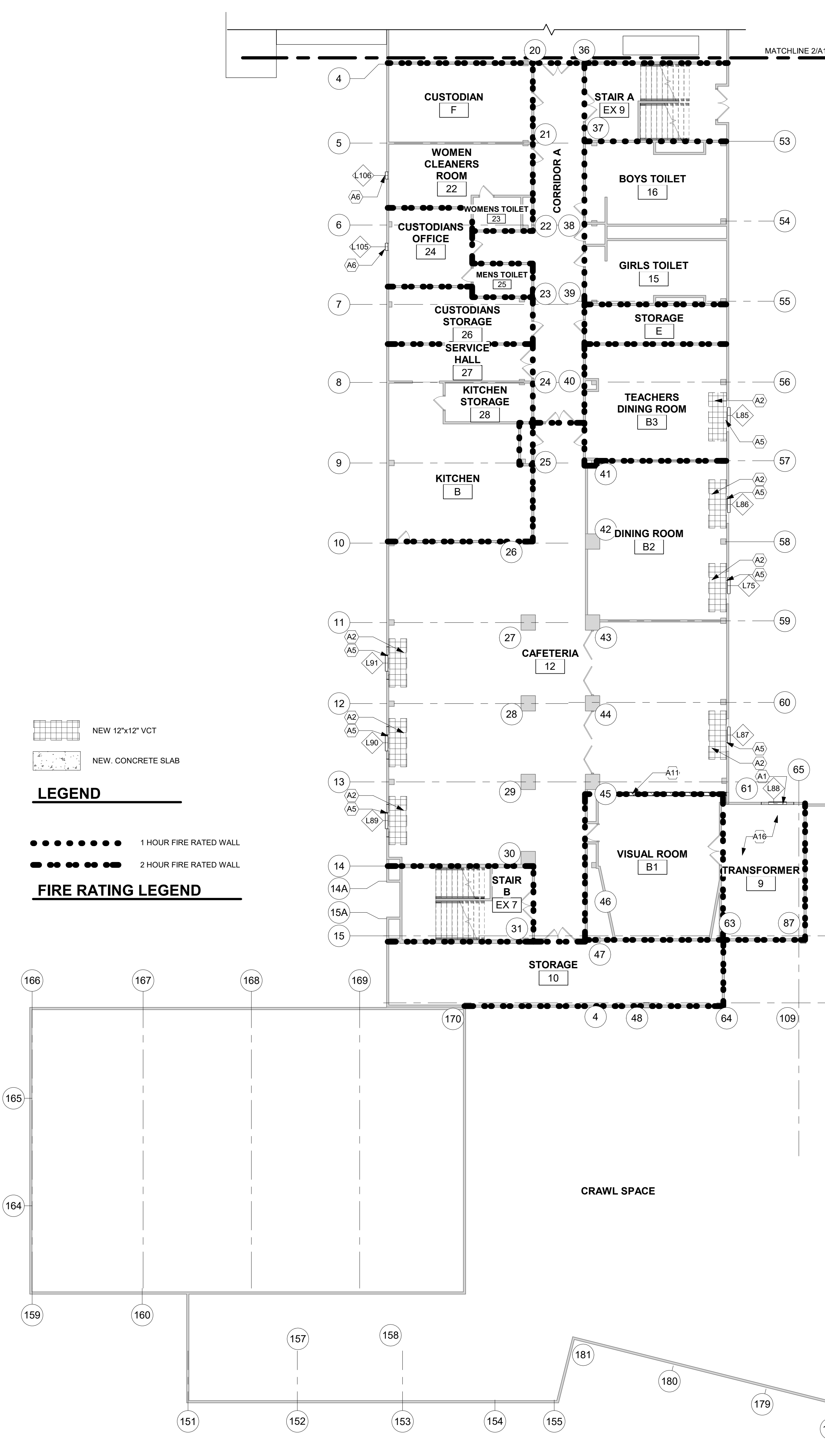
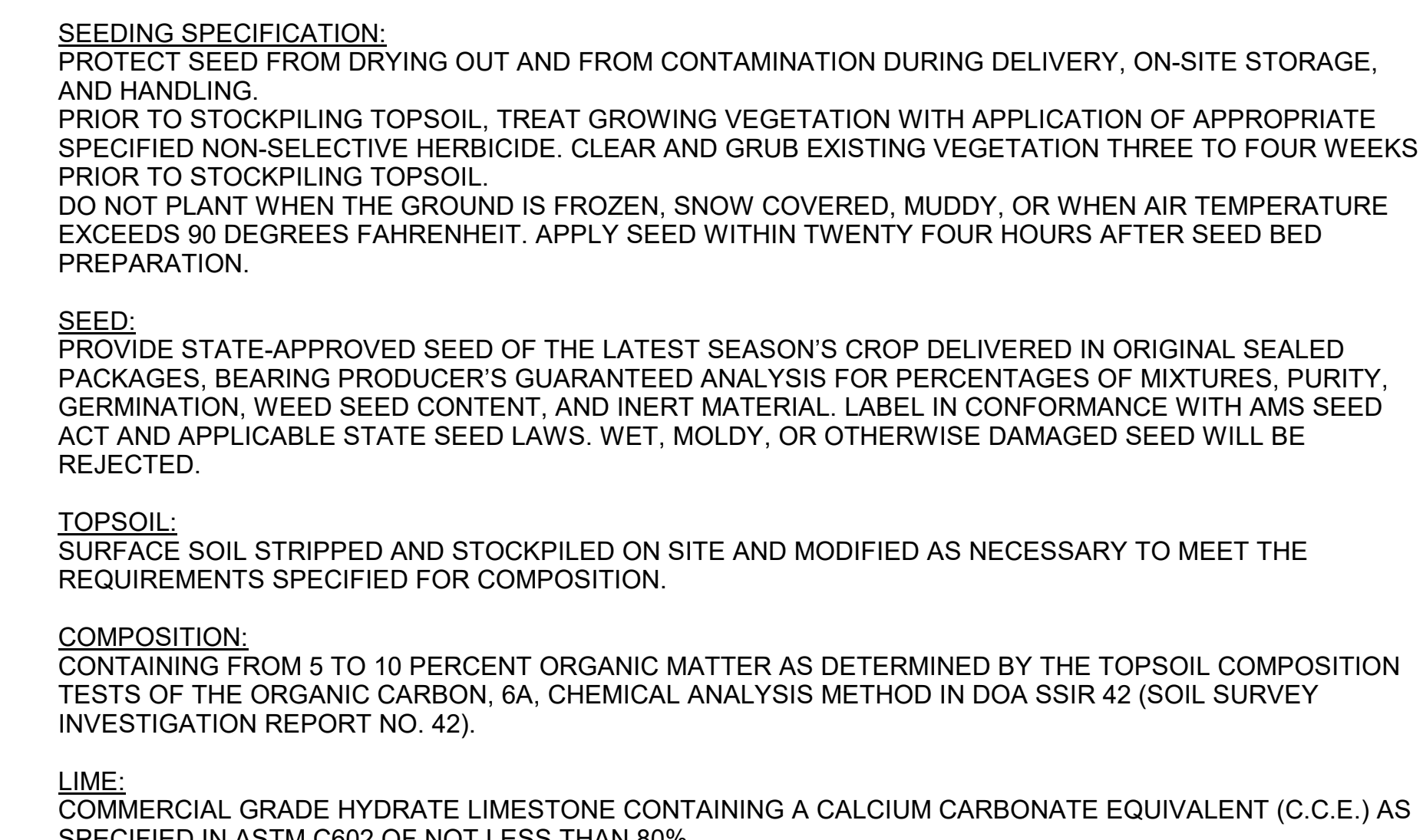
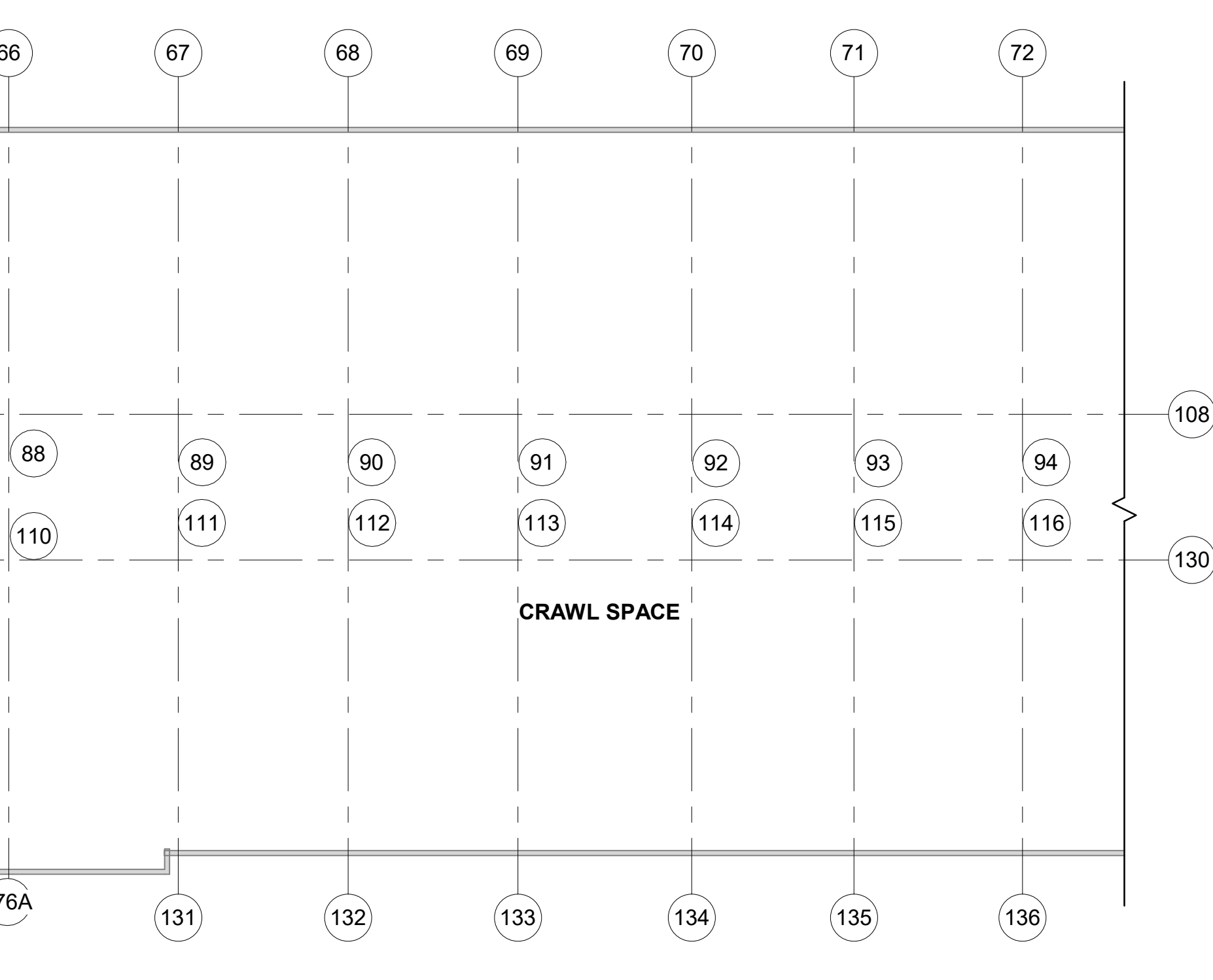
SEEDING SPECIFICATION:
PROTECT SEED FROM DRYING OUT AND FROM CONTAMINATION DURING DELIVERY, ON-SITE STORAGE, AND HANDLING. PRIOR TO STOCKPILING TOPSOIL, TREAT GROWING VEGETATION WITH APPLICATION OF APPROPRIATE SPECIFIED NON-SELECTIVE HERBICIDE. CLEAR AND GRUB EXISTING VEGETATION THREE TO FOUR WEEKS PRIOR TO STOCKPILING TOPSOIL. DO NOT PLANT WHEN THE GROUND IS FROZEN, SNOW COVERED, MUDDY, OR WHEN AIR TEMPERATURE EXCEEDS 90 DEGREES FAHRENHEIT. APPLY SEED WITHIN TWENTY FOUR HOURS AFTER SEED BED PREPARATION.

SEED:
PROVIDE STATE-APPROVED SEED OF THE LATEST SEASON'S CROP DELIVERED IN ORIGINAL SEALED PACKAGES, BEARING PRODUCER'S GUARANTEED ANALYSIS FOR PERCENTAGES OF MIXTURES, PURITY, GERMINATION, WEED SEED CONTENT, AND INERT MATERIAL. LABEL IN CONFORMANCE WITH AMS SEED ACT AND APPLICABLE STATE SEED LAWS. WET, MOLDY, OR OTHERWISE DAMAGED SEED WILL BE REJECTED.

TOPSOIL:
SURFACE SOIL STRIPPED AND STOCKPILED ON SITE AND MODIFIED AS NECESSARY TO MEET THE REQUIREMENTS SPECIFIED FOR COMPOSITION.

COMPOSITION:
CONTAINING FROM 5 TO 10 PERCENT ORGANIC MATTER AS DETERMINED BY THE TOPSOIL COMPOSITION TESTS OF THE ORGANIC CARBON, 6A, CHEMICAL ANALYSIS METHOD IN DOA SSIR 42 (SOIL SURVEY INVESTIGATION REPORT NO. 42).

LIME:
COMMERCIAL GRADE HYDRATE LIME STONE CONTAINING A CALCIUM CARBONATE EQUIVALENT (C.C.E.) AS SPECIFIED IN ASTM C602 OF NOT LESS THAN 80%.



1 ARCHITECTURAL NEW WORK BASEMENT FLOOR PLAN



LEGEND

NEW 12"x12" VCT
NEW CONCRETE SLAB

1 HOUR FIRE RATED WALL
2 HOUR FIRE RATED WALL

FIRE RATING LEGEND

SEAL:

CHARLES BAUDIY, AIA
LICENSE NUMBER RA011066X

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BID DOCUMENTS
07 MAY 2021

NO.	DATE	REVISION
05	09JUN21	ADDENDUM #1
04	07MAY21	BID DOCUMENTS
03	27DEC19	100% SUBMISSION
02	18OCT19	90% SUBMISSION
01	16AUG19	60% SUBMISSION
NO.	DATE	REVISION

SCHOOL & LOCATION
FRANKLIN S. EDMONDS E.S.
6060 WILLIAMS AVE.
PHILADELPHIA, PA 19150

PROJECT TITLE
MAJOR HVAC RENOVATION

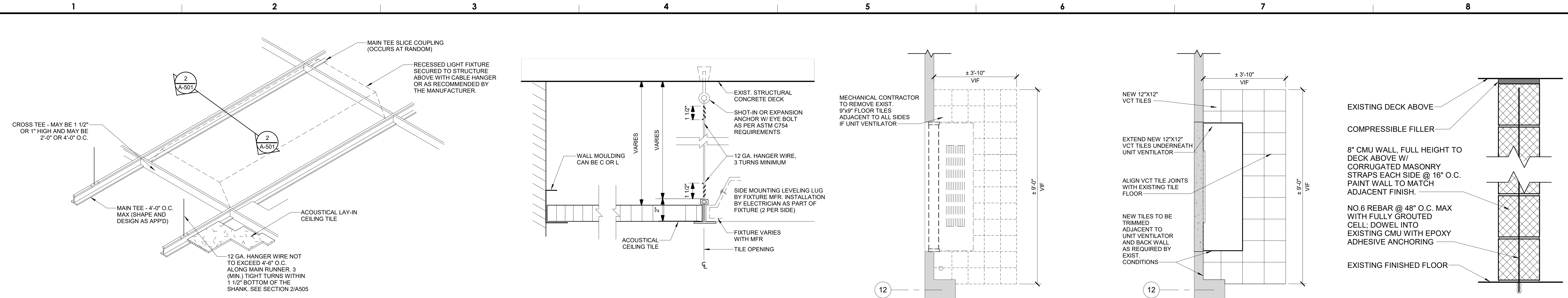
DRAWING SCALE
ARCHITECTURAL DETAILS

DRAWING SCALE	FILE NO.
N/A	N/A
LOCATION NO.	FILE NO.
6210	N/A
DRAWN BY	CHECKED BY
RP	KK
8-072(c) of 2018/2019 8-073(c) of 2018/2019 8-074(c) of 2018/2019	

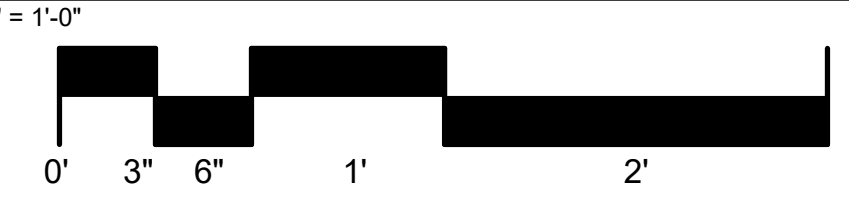
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A-501

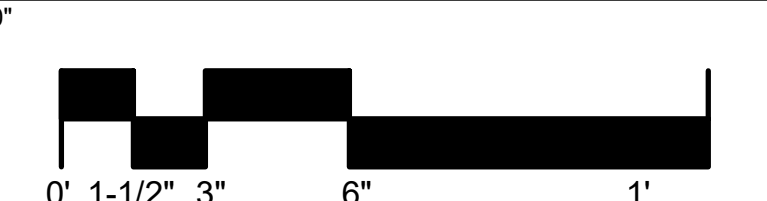
14 OF 51



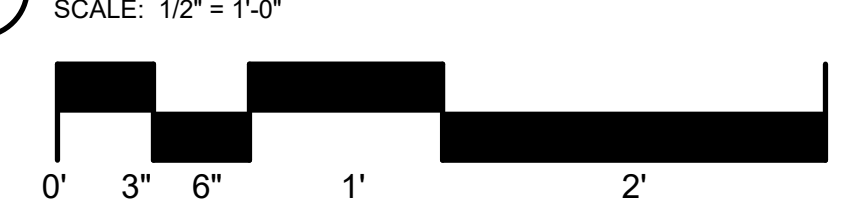
1 SUSPENDED CEILING TILE TYP. DETAIL



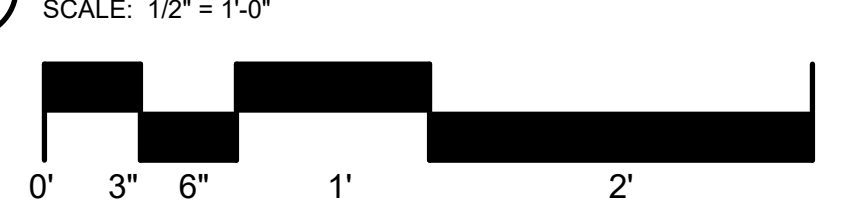
2 SUSPENDED CEILING TILE SECTION TYP. DTL.



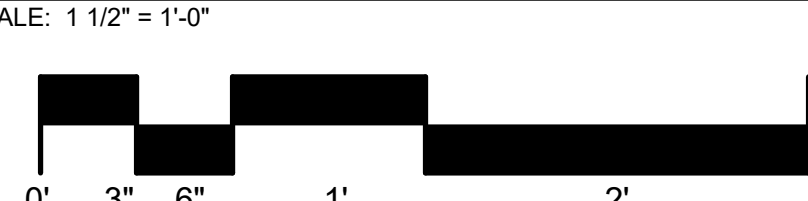
6 ENLARGED PLAN - TYP. UNIT VENTILATOR REMOVALS



7 ENLARGED PLAN - VCT

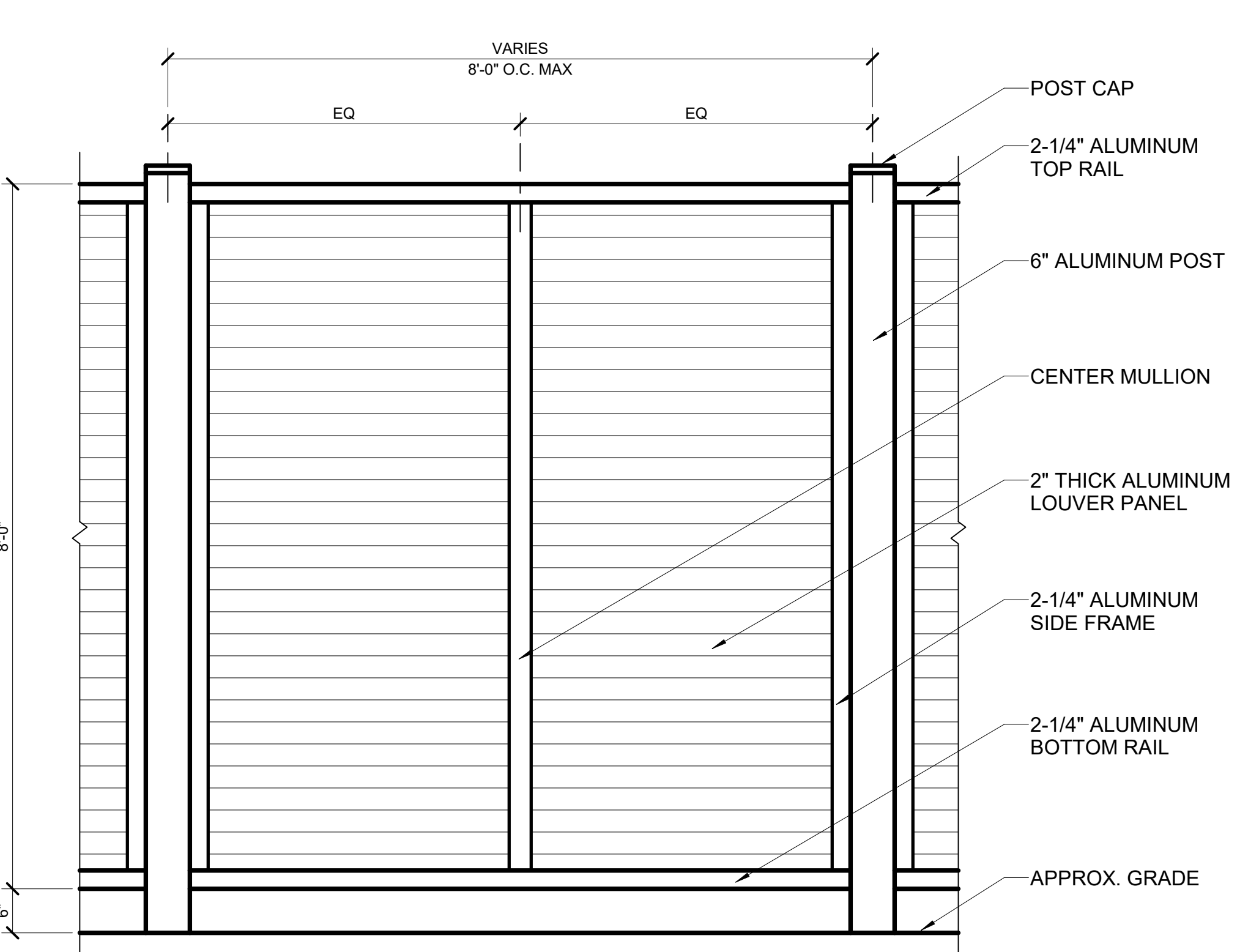


12 CMU WALL DETAIL



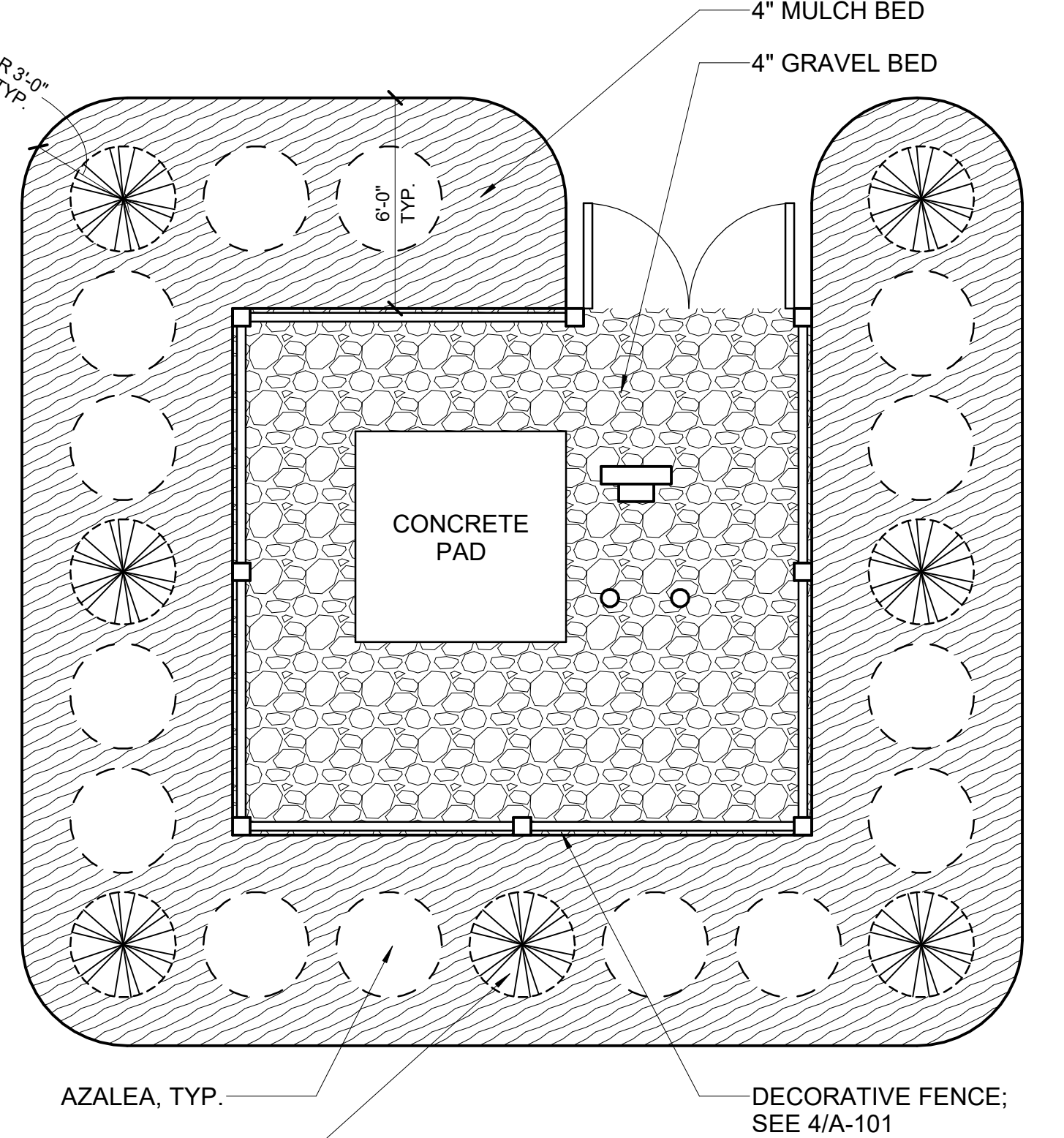
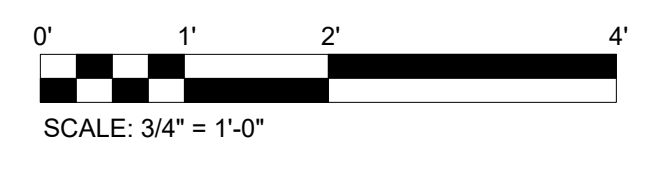
SUSPENDED CEILING NOTES

- AN INTERLOCKING CROSS TEE OR LOCKING BAR MUST BE USED AT EACH END OF LIGHT FIXTURES.
- THE TOTAL WEIGHT OF A LIGHT FIXTURE AND OTHER EQUIPMENT (AIR BOXES, ETC.) AND CEILING MATERIAL SUPPORTED BY THE MAIN BEAM MUST NOT EXCEED THE ALLOWABLE DEFLECTION OF 1/80 OF ITS SPAN. DEFLECTION DATA MUST BE FURNISHED AND CERTIFIED BY THE MANUFACTURER.
- SURFACE OR PENDANT FIXTURES MUST BE INDEPENDENTLY SUPPORTED FROM FLOOR OR ROOF CONSTRUCTION.



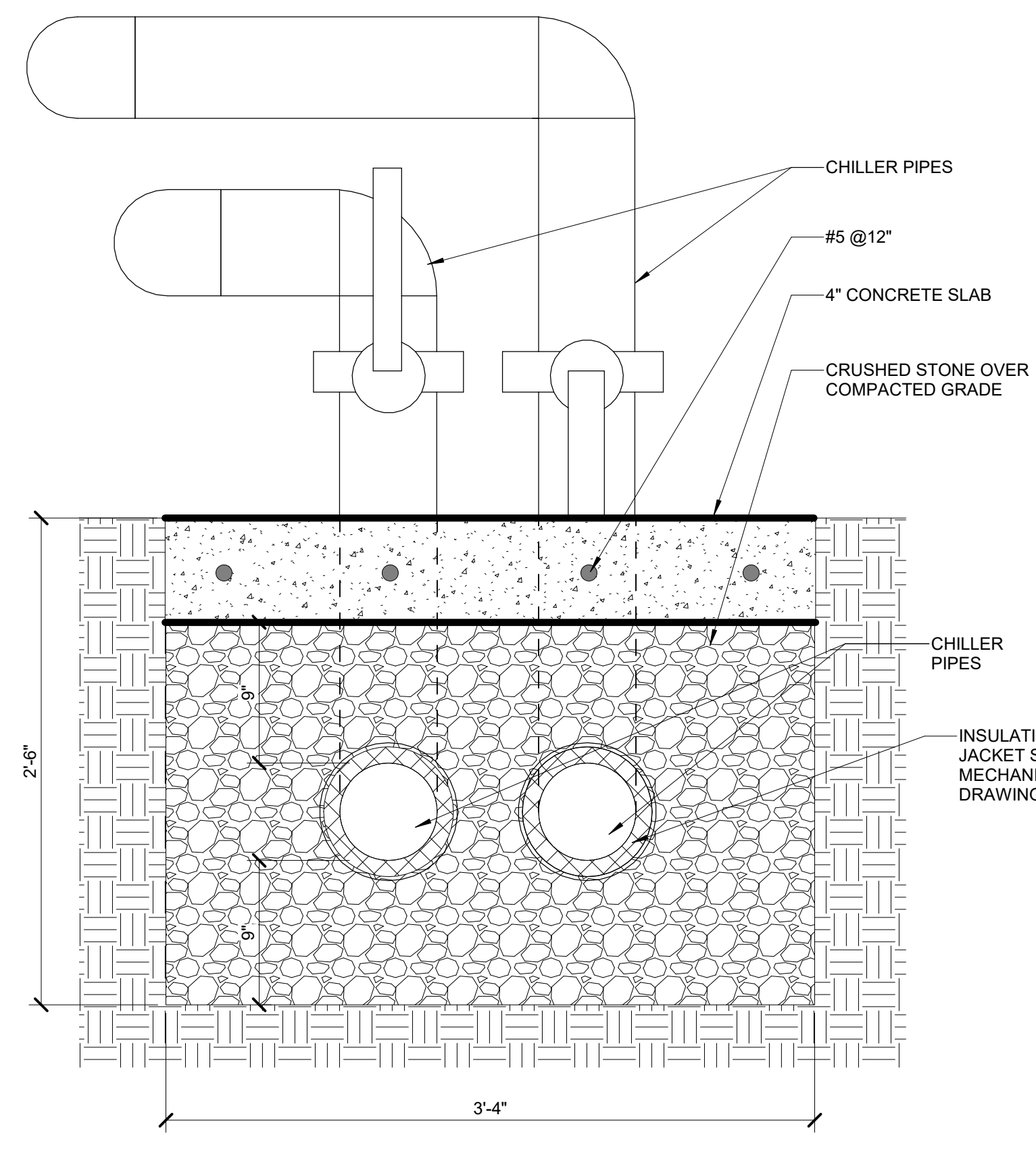
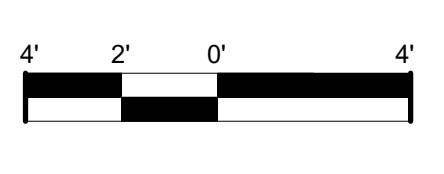
BASIS OF DESIGN:
- ALUMINUM LOUVER FENCE SYSTEM BY IDEAL ALUMINUM PRODUCTS OR APPROVED EQUAL.

3 TYP. FENCE ELEVATION

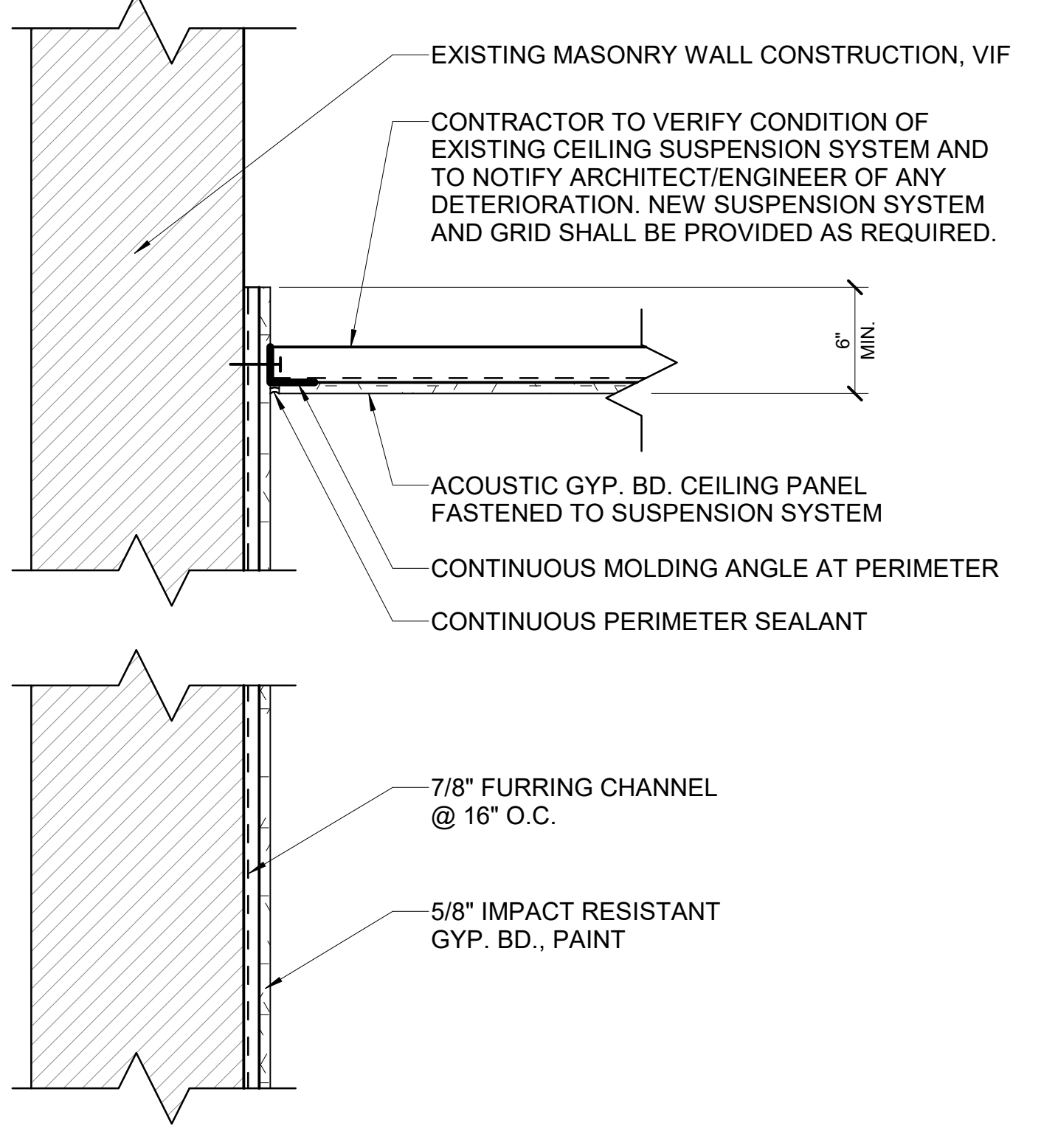
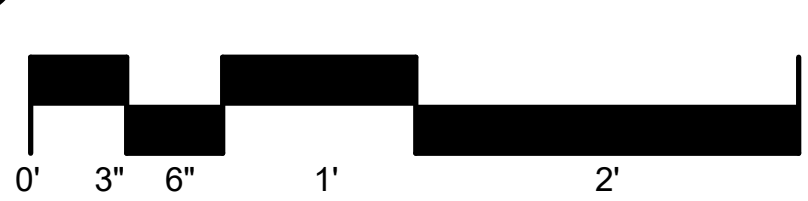


NOTE:
- GENERAL CONTRACTOR TO PROVIDE FENCING, SHRUBBERY, MULCH, AND GRAVEL.

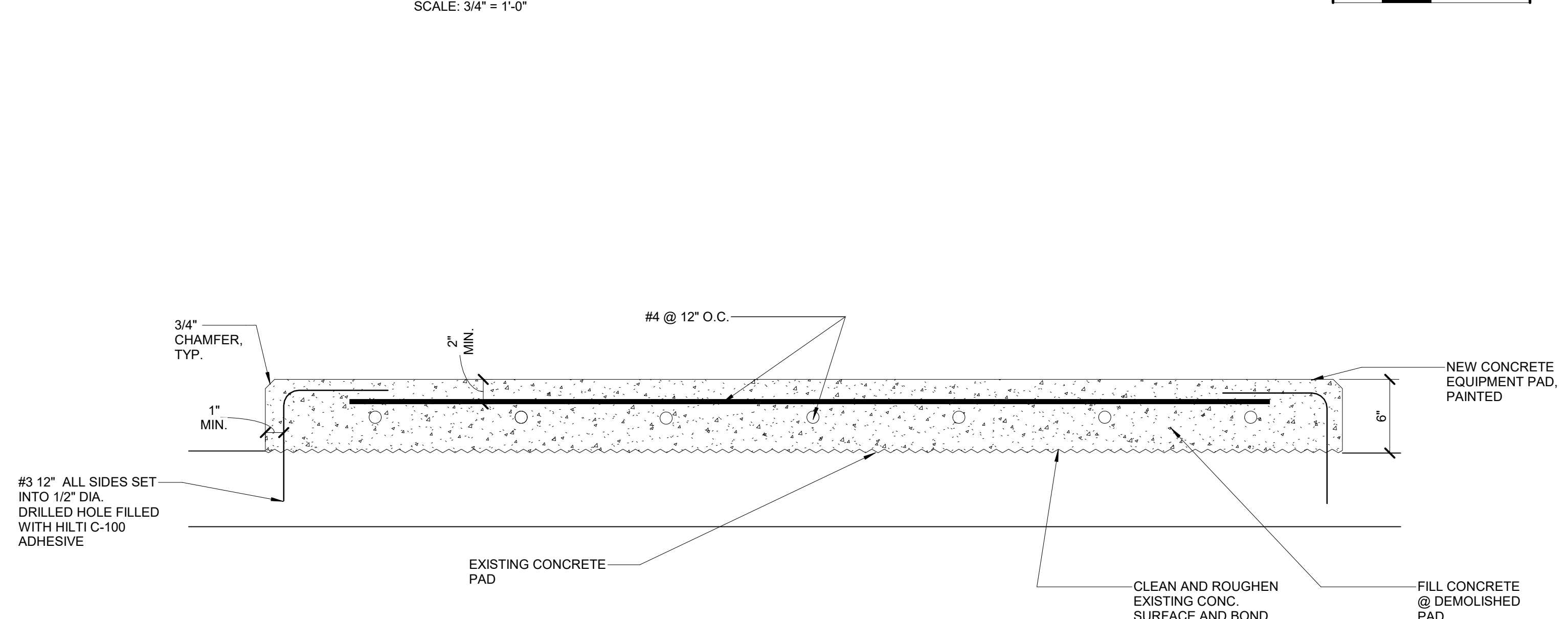
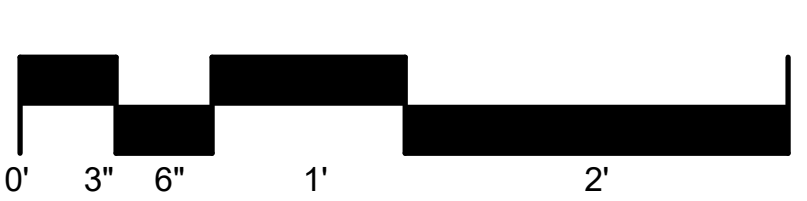
4 LANDSCAPING PLAN



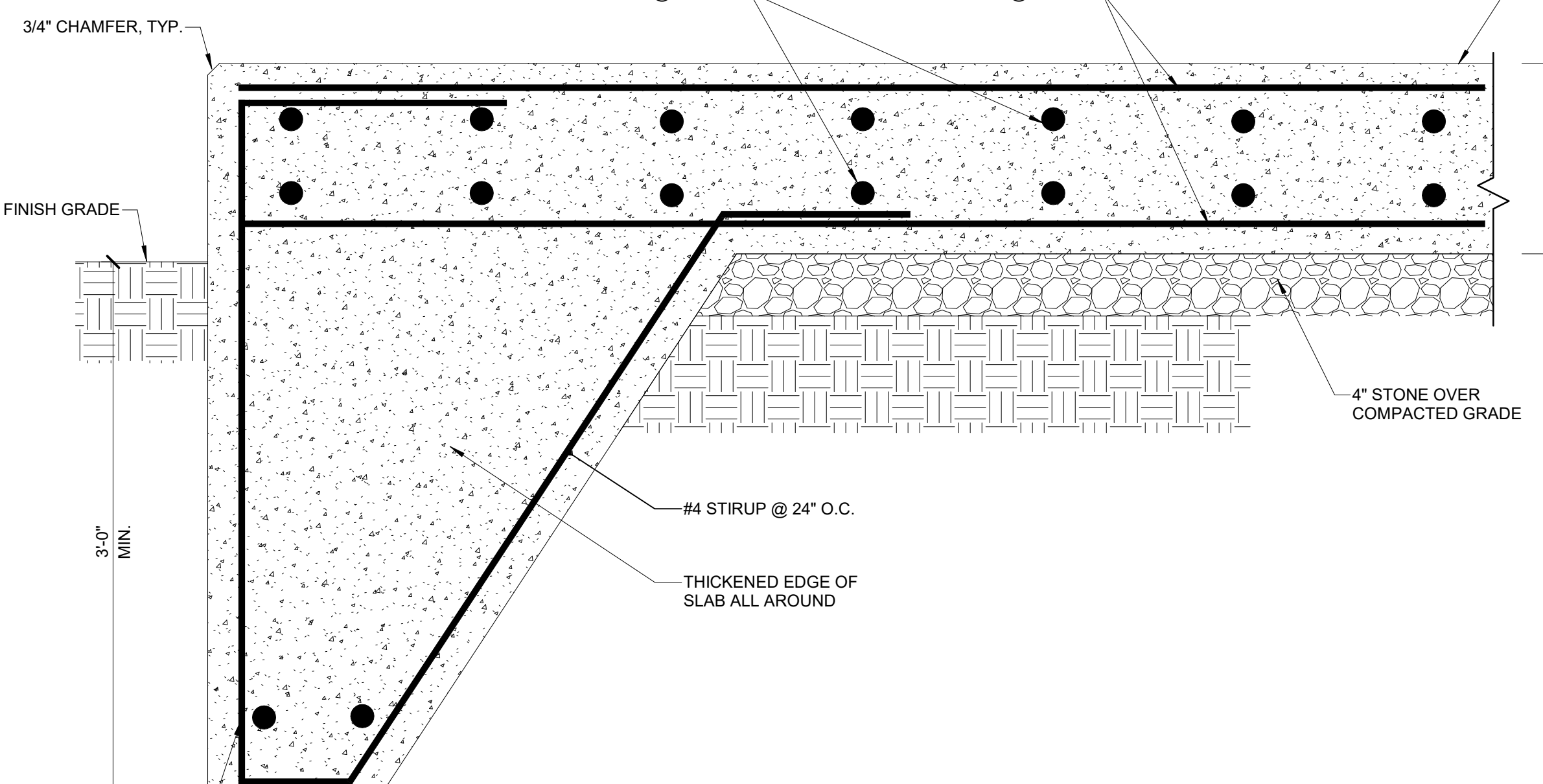
8 TRENCH SECTION DETAIL



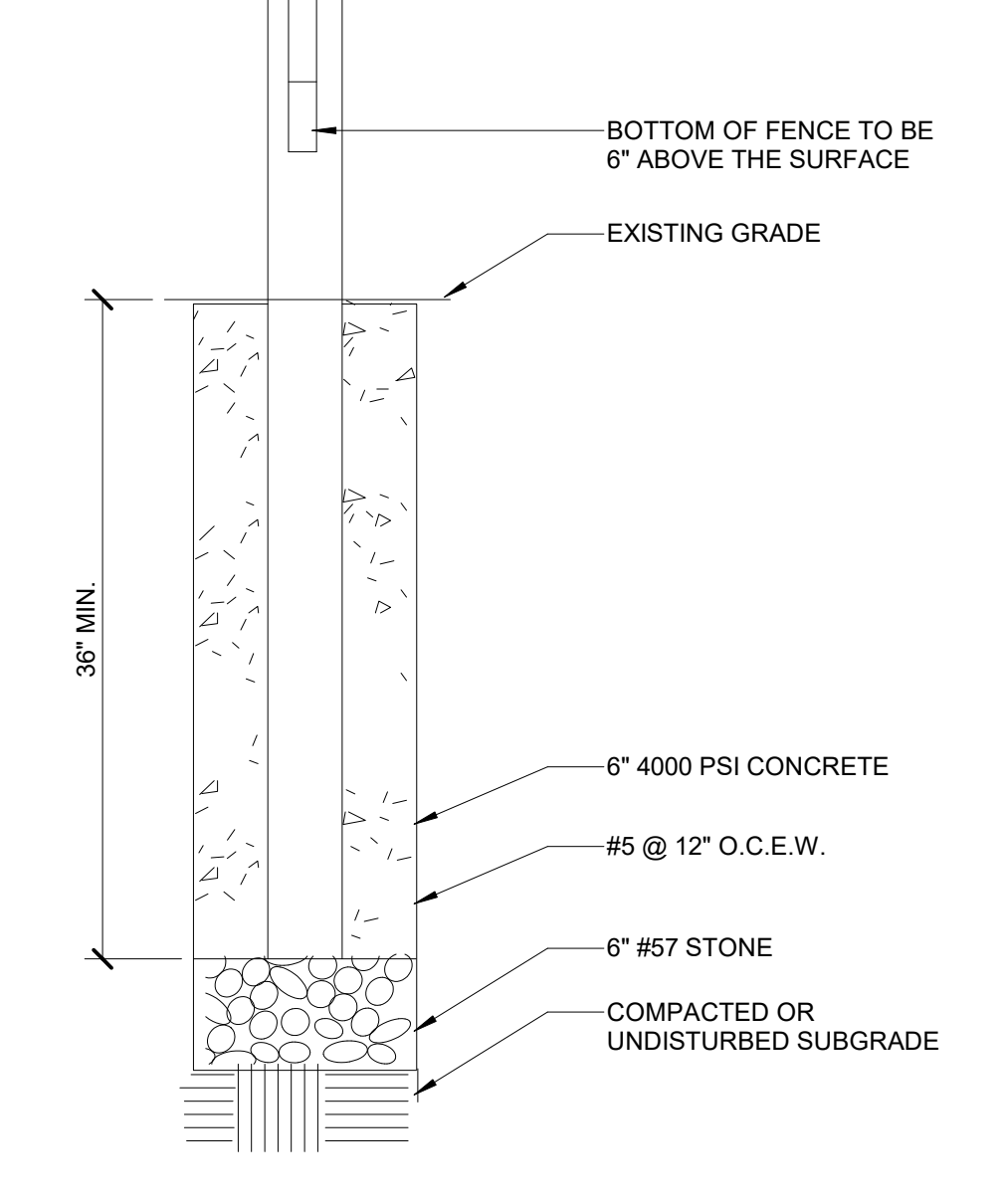
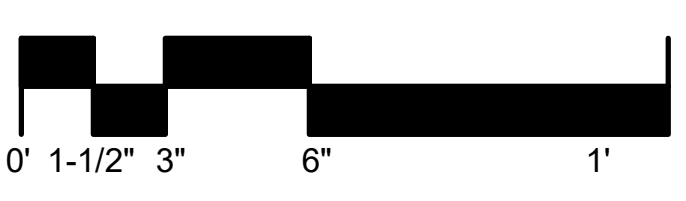
11 GYP BD WALL FURRING AND CEILING DETAIL



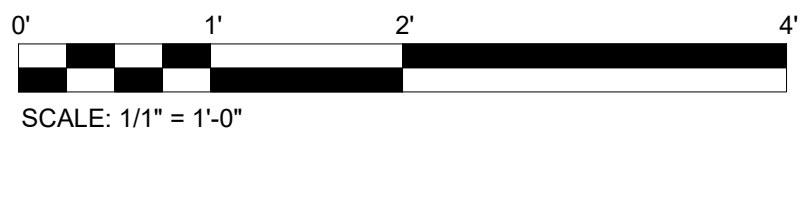
5 NEW CONCRETE EQUIPMENT PAD, TYP.



9 NEW CONCRETE PAD



10 FENCE FOOTING DETAIL



Local File: BIM_360/085766 - SDP - Edmonds ES Major HVAC Renovation/85766_A_Central_R19.rvt
Project Number: N/A
6/8/2021 3:41:43 PM

SEAL:

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ATTN: GRAZYNIA PUCHTA, P.E.

BID DOCUMENTS
07 MAY 2021

1	09 JUNE 2021	ADDENDUM #1
NO.	DATE	REVISION

SCHOOL & LOCATION
FRANKLIN S. EDMONDS E.S.
6060 WILLIAMS AVE.
PHILADELPHIA, PA 19150

PROJECT TITLE

MAJOR HVAC RENOVATION

DRAWING SCALE

ELECTRICAL CEILING PLANS

DRAWING SCALE As indicated	
LOCATION NO. 4210	FILE NO. 065766
DRAWN BY FJR	CHECKED BY CF
B-072(c) of 2018/2019 B-073(c) of 2018/2019 B-074(c) of 2018/2019	

DRAWING NO.

EP-103

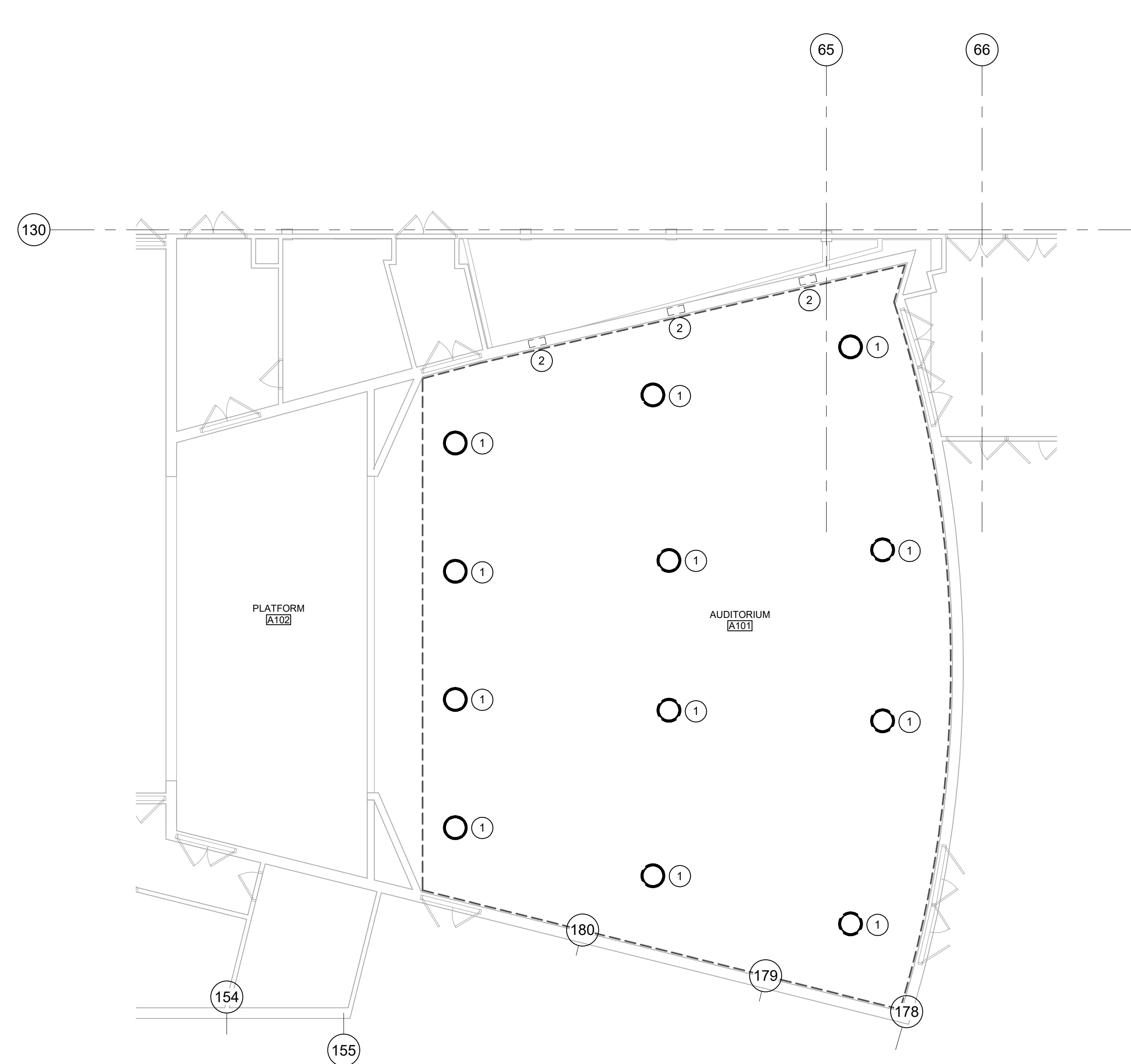
SHEET 43 OF 53

GENERAL DEMOLITION NOTES:

1. THE DEMOLITION PLAN IS DIAGRAMATIC IN NATURE AND INTENDED TO REPRESENT ONLY THE GENERAL SCOPE OF DEMOLITION. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE EXISTING FACILITY ALONG WITH THE DEMOLITION PLAN AND SHALL BE RESPONSIBLE TO DETERMINE THE EXACT EXTENT OF THE ELECTRICAL DEMOLITION WORK REQUIRED UNDER THE SCOPE OF THE PROJECT.
2. ALL WORK REQUIRED TO REMAIN IN SERVICE BUT INTERFERING WITH THE ALTERATIONS SHALL BE RELOCATED AND RECONNECTED USING MATERIALS AND STANDARDS OF THIS CONTRACT.
3. EQUIPMENT AND WIRING TO BE REMOVED SHALL BE DE-ENERGIZED PRIOR TO ANY DEMOLITION WORK.
4. EQUIPMENT INDICATED TO BE REMOVED SHALL BE TAKEN FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS. EQUIPMENT REQUIRED TO BE TURNED OVER TO THE OWNER SHALL BE PLACED IN A MUTUALLY ACCEPTABLE LOCATION.
5. PROCEDURE FOR FEEDERS AND BRANCH CIRCUITS TO BE RE-USED: REMOVE CONDUIT AND WIRING TO LOCATIONS WHICH AVOID CONFLICTS WITH NEW WORK. INSTALL JUNCTION BOXES, TAPE OFF CONDUCTORS AND IDENTIFY WITH PANEL AND CIRCUIT NUMBER.
6. EQUIPMENT AND/OR DEVICES SHOWN AS DARKENED AND DASHED ON THE PLANS SHALL BE REMOVED IN ITS ENTIRETY.
7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING CONDUITS, LOW VOLTAGE CABLING AND DEVICES TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILINGS.

GENERAL NOTES:

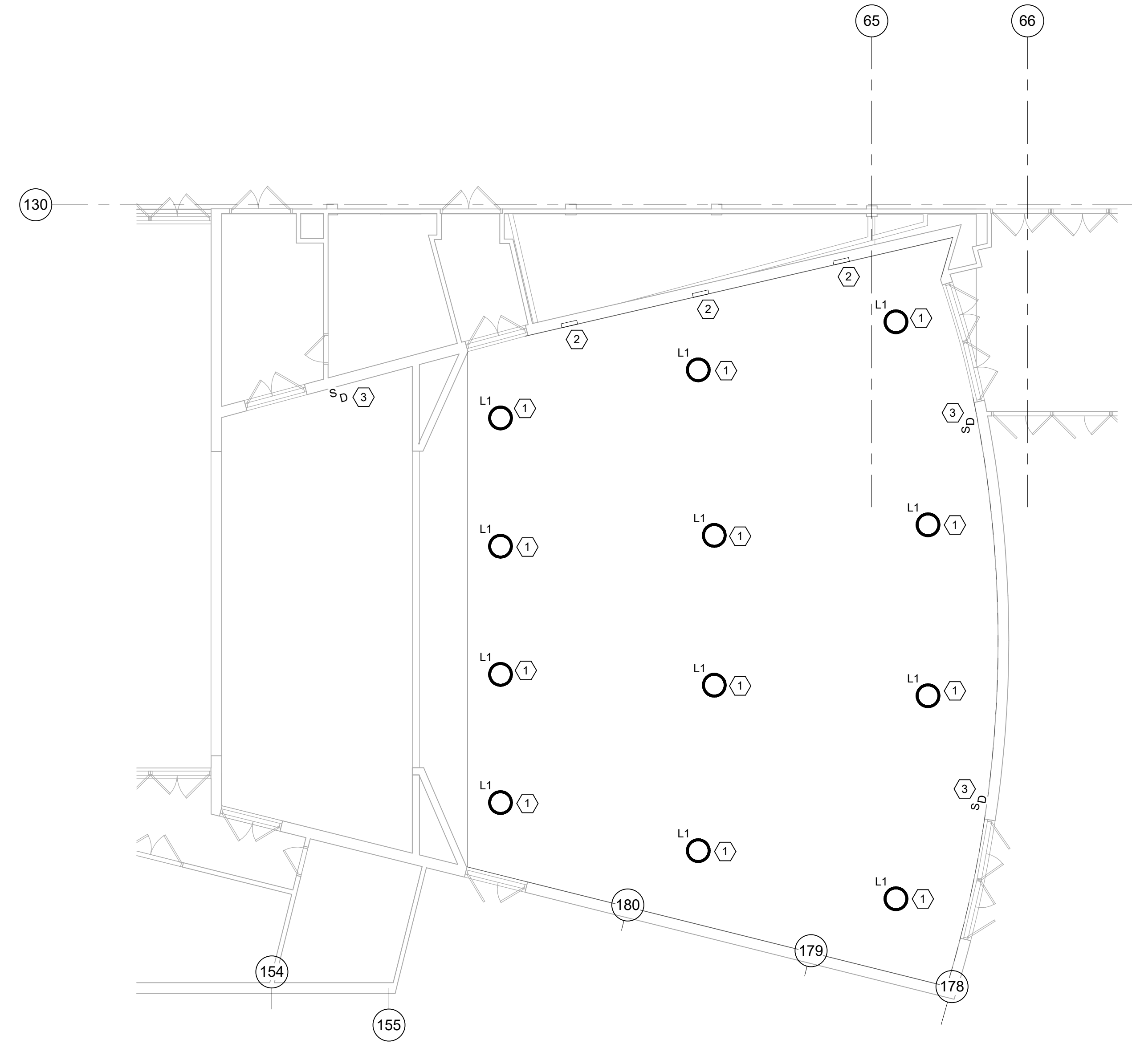
1. SEE ELECTRICAL SHEET EP-001 FOR GENERAL NOTES.
2. ALL ELECTRICAL EQUIPMENT SHOWN ON DRAWING IS NEW UNLESS NOTED OTHERWISE.
3. ALL WIRING SHALL BE INSTALLED IN CONDUIT OR RACEWAY OF REQUIRED SIZE BUT NOT SMALLER THAN SIZE INDICATED.



1 AUDITORIUM CEILING PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

DEMOLITION KEY NOTES:

1. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING RECESSED LIGHT FIXTURE AND ASSOCIATED LIGHTING CONTROLS. CONDUIT AND WIRING TO BE REMOVED AS NECESSARY.
2. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING LOWERING SYSTEM IN ITS ENTIRETY.



2 AUDITORIUM CEILING PLAN - NEW WORK
SCALE: 1/8" = 1'-0"

NEW WORK KEY NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW LIGHT FIXTURES. RE-USE EXISTING CIRCUIT SERVING THIS AREA. MODIFY CIRCUITS AS REQUIRED TO ACCOMMODATE NEW REMOTE DRIVER CABINETS AND ASSOCIATED CONTROLS. PROVIDE (2) #12, (1) #12 GRD IN 3/4" CONDUIT FOR CIRCUITS WHERE NECESSARY.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW 0-10V REMOTE DRIVER CABINET (4 LUMINAIRES PER REMOTE DRIVER CABINET). INSTALL INSIDE EXISTING WALL RECESSED CABINET. PROVIDE BELDON CABLE 63704 ELECTRONIC 4C-16 STR TO SHIELDED WIRE FROM EACH DRIVER MODULE TO EACH LUMINAIRE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE A NEW 201, 120V CIRCUIT BREAKER (1 PER REMOTE DRIVER CABINET) FROM PANEL H1B. PROVIDE (2) #12, (1) #12 GRD IN 3/4" CONDUIT.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE (3) NEW 0-10V DIMMING WALL SWITCHES.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG No.	LAMP TYPE	WATTS	MOUNTING	REMARKS
L1	7" DOWNLIGHT	KIRLIN LIGHTING	SRR-07604-6500L-41K-WFL-30T	LED	72.7	RECESSED	PROVIDE WITH KIRLIN'S SYMPHONY REMOTE DRIVER SYSTEM CABINET. REFER TO AUDITORIUM CEILING PLAN - NEW WORK NOTE 2.

THE ELECTRICAL CONTRACTOR SHALL PERFORM A SURVEY OF THE EXISTING SITE CONDITIONS PRIOR TO BEGINNING WORK. THE SURVEY SHALL INCLUDE TRACING THE WIRING/CONDUIT FOR EACH PIECE OF EQUIPMENT THAT IS BEING DEMOLISHED BACK TO THE SOURCE PANELBOARD/SWITCHBOARD AND IDENTIFYING THE CIRCUIT BREAKER FEEDING THAT EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL MARK UP THE PLANS IDENTIFYING THE PANELBOARD LOCATION AND RATINGS AS WELL AS THE CIRCUIT BREAKER LOCATION IN THE PANELBOARD AND THE CIRCUIT BREAKER AMPERAGE RATINGS. MANUFACTURER AND CATALOG NUMBER. THIS INFORMATION SHALL BE PROVIDED PRIOR TO BEGINNING CONSTRUCTION.