

Addendum 2

To: Bidding Documents
Plan-Holders of Record
Project File

Date: September 9th, 2024

Addendum Number: Two

Architect's Project #: 20230011

Project Name: CN Catoosa Child
Development Center

From: BLUE RIVER ARCHITECTS, Professional Seal:
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NOTICE.....

This Addendum supplements and amends the original Bidding Documents, shall be taken into account in preparing proposals, and shall become a part of the Construction Documents. The bidder shall indicate receipt of this addendum and all previously issued addenda on the Bid/Proposal Form.

PRIOR ADDENDA

Addendum 1

Dated: 08/29/2024

Changes / Clarifications:

1. **Pre-Bid RFI 10:** HB-1 is on the plans but not on the plumbing schedule. What brand do you prefer?
Answer: FPWH-1 was labeled HB-1 on plans. Labels updated per addendum 2. Refer to FPWH-1 on schedule
2. **Pre-Bid RFI 11:** Does the Ameristar wire works go all the way across south side of the building? Or is it in certain area? Civil landscape and architecture don't match up. Civil and landscape show it run the entire length of the south side but arch. Calls out a 4' guardrail.
Answer: Civil:
Ameristar is to stop where the retaining wall and railing begin.
3. **Pre-Bid RFI 12:** On page c402 at the entrance to the detention pond they are showing a double barrier gate- can we get specifics on how they want it or just standard pipe gates like normally installed for barrier? also on page L101 they are calling for a 30' double drive barrier arm gate and says " refer to manufacturer requirements. Is there a specific supplier or any details for this gate also.

Answer: Civil:

This gate is detailed on C804.

4. **Pre-Bid RFI 13:** Please provide a detail for the mechanical yard fencing.

Answer: Refer to revised sheets per Addendum 2.

5. **Pre-Bid RFI 14:** The Pre-engineered structures specification doesn't reference any soffit materials or finish. The plans show a soffit panel, but no description. Please advise.

Answer: To be addressed in addendum 3

6. **Pre-Bid RFI 15:** question on the liner. Do they want liner down the whole duct or just the 1st 10 feet?

6.1 Exposed, Return-Air Duct and Plenum Minimum Insulation: Closed Cell Liner, 1 inch thick and 0.75-lb/cu. ft. nominal density to prevent condensation.

6.2 Exposed, Supply-

Air Spiral round duct insulation: Closed Cell Liner, 1 inch thick and 0.75-lb/cu. ft. nominal density to prevent condensation.

Answer: Provide liner from first 10' from DOAS unit for noise acoustics. Wrap is acceptable after. Exposed duct to be closed cell insulation.

7. **Pre-Bid RFI 16:** This might already be asked but wanting clarification on the storefront system the architect is wanting to us. The basis of design is Kawneer 451T but the drawings are detailed with a 6" system. I haven't run the calculations but wouldn't think it would be necessary at all the windows for structural reasons unless it's just a design thing. If you can clarify what they are wanting/needng I would appreciate it.

Answer: Basis of design is to be Kawneer 451T. A 6" system is not required.

8. **Pre-Bid RFI 17:** Hot water insulation schedule lists temperature ranges. I'm assuming I need to figure on at least 125? The thickness listed for 125 and higher are overboard (1.5 – 2.5"). We can not get these thicknesses to fit inside a wall cavity. Should we figure 1.5 on the overhead and 1" for the wall drops? (1" is more than sufficient). Specs also call for all concealed pipe to be jacketed with PVC. I am assuming that is misprint. Unnecessary cost for no benefit.

Answer: For 105-140 F water, 1.5" insulation is required for pipes greater than 1-1/2", 1" insulation is required for 1-1/4". It is acceptable to reduce insulation on drops inside wall as required to fit. Do not jacket concealed pipe with PVC, this is a misprint.

9. **Pre-Bid RFI 18:** Specs show a Berridge Tee-Lock. Every time they spec this panel, they end up using Berridge Zee-lock panel. Tee-Lock panel is the most expensive Berridge panel on the market. Just want clarification of what is requested in this bid. We can always VE it later if needed. Just do not want to be the high bid and not be invited to the descope.
Answer: Berridge Zee lock is acceptable. Refer to revised specifications per Addendum 2
10. **Pre-Bid RFI 19:** What is the current access control system? Brand name. What is the current CCTV system? Both say to build new into existing systems. Also is the communications items, access control, cctv, data, fiber etc. Are these going to be bid on their own or under the EC?
Answer: The Owner's standard is Genetec Synergis Enterprise.
Owner's existing site ID will be utilized, the contractor shall be responsible for furnishing all necessary reader licenses required as well as any other licensing requirements beyond the site ID.
Coordinate license purchasing with Owner upon bid award for site ID information.
The Owner's standard for video management software is Genetec Omnicast Enterprise.
This system will attach to the Owner's existing system ID and utilize the existing site license.
The contractor will be responsible for furnishing all necessary camera licenses to make fully functional video management system.
Coordinate license purchase with manufacturer for system ID.
11. **Pre-Bid RFI 20:** What manufacture is required for CK-1, CK-2 and CK-3? Section 10 1100 calls for Claridge Cork. Print ID101A calls for Koroseal.
Answer: Koroseal

LIST OF ATTACHMENTS

Sections – (1)

07 4113 Metal Roof Panels

Sheets – (19) sized 36X48:

Civil:

Landscape: L201, L202, L301, L502,

Architecture:

Structural: S003, S201, S502, S602

Plumbing: P101, P102, P103, P104,

Mechanical: M101, M102

Electrical: E000, E101A, E101B, E302, ES101

END OF ADDENDUM

**SECTION 07 4113
METAL ROOF PANELS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Standing Seam Metal Roof Panels.
 - 1. Architectural roofing system of preformed steel panels.
 - 2. Flashing and trim adjacent to or part of architectural preformed steel panel roofing system.
 - 3. Refer to locations shown on drawings.
- B. Accessories and underlayment as required for complete installation.
- C. Gutters and downspouts adjacent to or part of architectural preformed steel panel roofing system.

1.02 RELATED REQUIREMENTS

- A. Section 06 1000 - Rough Carpentry: Roof sheathing.
- B. Section 07 2100 - Thermal Insulation: Rigid roof insulation.

1.03 REFERENCE STANDARDS

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2020.
- C. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process; 2021a.
- D. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2018a.
- E. ASTM D1970/D1970M - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection; 2021.
- F. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2016.
- G. IAS AC472 - Accreditation Criteria for Inspection Programs for Manufacturers of Metal Building Systems; 2018.
- H. ICC-ES AC188 - Acceptance Criteria for Roof Underlayments; 2012, with Editorial Revision (2015).

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Storage and handling requirements and recommendations.
 - 2. Installation methods.
 - a. Include installation instructions.
 - 3. Specimen warranty.
- C. Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions.
 - 1. Include accessories.
 - 2. Include project-specific details.
 - 3. Show work to be field-fabricated or field-assembled.
 - 4. Show interface with other work.
 - 5. Show all proposed seam and joint locations.
 - 6. Do not use architect's drawings as shop drawings.
 - 7. Scale of shop drawing details not less than 1-1/2" = 1'-0".

8. Show drawings, text and dimensions in black and white at a clear legible scale and size.
 - a. Color drawings that are not clearly legible will be returned without review.
 9. Include structural analysis signed and sealed by qualified structural engineer, indicating compliance of roofing system to specified loading conditions.
 10. Show roof panel layout on shop drawings. Include full panels and dimensions of cut panels. Comply with layout as indicated on drawings or as specified.
- D. Selection Samples: For each roofing system specified, submit color chips representing manufacturer's full range of available colors and patterns.
 - E. Verification Samples: For each roofing system specified, submit samples of minimum size 12 inches (305 mm) square, representing actual roofing metal, thickness, profile, color, and texture.
 1. Include typical panel joint in sample.
 2. Include typical fastening detail.
 - F. Manufacturer Qualification Statement: Provide documentation showing metal roof panel fabricator is accredited under IAS AC472.
 - G. Qualification Data: For Installer.
 - H. Warranty: Submit specified manufacturer's warranty and ensure that forms have been completed in Owner's name and are registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than twenty years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least ten years of documented experience.
 1. Contractor shall be authorized by the manufacturer to install specified materials 5 years prior to the bidding period through satisfactory project completion.
 2. Applicators shall have completed projects of similar scope using same or similar materials specified for a minimum of 10 years.
 3. Contractor shall provide full time, on-site superintendent or foreman experienced with the specified roofing from beginning through satisfactory project completion.
 4. Documentation stating that Project Manager, Job Site Superintendent and all other roofing applicators are employed directly by the Installer (no subcontracting of roofing installation will be permitted).
 5. Evidence of compliance with Oklahoma Bill #2180 "Roofing Contractor Registration Act", and current Commercial Endorsement with Oklahoma Construction Industries Board (CIB)
 6. Applicators shall be skilled in the application methods for all materials.
 7. Contractor shall maintain a daily record, on-site, documenting material installation and related project conditions.
 8. Contractor shall maintain a copy of all submittal documents, on-site, available at all times for reference.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Provide strippable plastic protection on prefinished roofing panels for removal after installation.
- B. Store roofing panels on project site as recommended by manufacturer to minimize damage to panels prior to installation.

1.07 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Finish Warranty: Provide manufacturer's special warranty covering failure of factory-applied exterior finish on metal roof panels and agreeing to repair or replace panels that show evidence of finish degradation, including significant fading, chalking, cracking, or peeling within specified warranty period of twenty years from Date of Substantial Completion.
- C. Waterproofing Warranty: Provide manufacturer's warranty for weathertightness of roofing system, including agreement to repair or replace roofing that fails to keep out water within

specified warranty period of twenty years from Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design:
 - 1. Metal Roof Panels: Zee-Lock Panel manufactured by Berridge Manufacturing Co..
 - 2. Substitutions: See Section 016000-Product Requirements.

2.02 ARCHITECTURAL METAL ROOF PANELS

- A. Architectural Metal Roofing: Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system.
- B. Metal Panels: Factory-formed or Field Formed panels with factory-applied finish.
 - 1. Steel Panels:
 - a. Aluminum-zinc alloy-coated steel complying with ASTM A792/A792M; minimum AZ50 (AZM150) coating.
 - b. Steel Thickness: Minimum 22 gage.
 - 2. Profile: Standing seam, with minimum 2.0 inch (51 mm) seam height; concealed fastener system for field seaming with special tool.
 - 3. Texture: Smooth, with intermediate ribs for added stiffness.
 - 4. Length: Full length of roof slope, without lapped horizontal joints.
 - 5. Width: Maximum panel coverage of 18 inches (457 mm).

2.03 ATTACHMENT SYSTEM

- A. Concealed System: Provide manufacturer's standard 0.064-inc nominal thickness, aluminum-zinc alloy coated steel concealed anchor clips designed for specific roofing system and engineered to meet performance requirements, including anticipated thermal movement.

2.04 SECONDARY FRAMING

- A. Miscellaneous Secondary Framing: Light gage steel framing incidental to structural supports; fabricated from steel sheet.
- B. Framing Material: ASTM A 1011/A 1011M, Designation SS steel sheet.
 - 1. Profile: Manufacturer's standard cee, zee, asymmetrical zee, hat channel, plain channel, single slope eave strut, double slope eave strut, and angle.
 - 2. Thickness: 12 gage, 0.1046 inch (2.657 mm).
 - 3. Finish: Galvanized per ASTM A653/A653M, G90.
- C. Framing Connectors: Factory-made formed steel sheet, ASTM A653/A653M SS Grade 50, with G60/Z180 hot dipped galvanized coating and factory punched holes.

2.05 FABRICATION

- A. Panels: Provide factory or field fabricated panels with applied finish and accessory items, using manufacturer's standard processes as required to achieve specified appearance and performance requirements.
- B. Joints: Provide captive gaskets, sealants, or separator strips at panel joints to ensure weathertight seals, eliminate metal-to-metal contact, and minimize noise from panel movements.

2.06 FINISHES

- A. Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat applied by panel manufacturer on a continuous coil coating line, with a top side dry film thickness of 0.75 ± 0.05 mil over 0.2 ± 0.05 mil primer coat, to provide a total dry film thickness of 0.95 ± 0.10 mil. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
- B. Mica Fluoropolymer: AAMA 621. Two-coat fluoropolymer finish with suspended mica flakes containing not less than 70 percent PVDF resin by weight in color coat applied by panel manufacturer on a continuous coil coating line, with a top side dry film thickness of 0.75 ± 0.05

mil over 0.2± 0.05 mil primer coat, to provide a total dry film thickness of 0.95± 0.10 mil. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.

- C. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored acrylic or polyester backer finish consisting of prime coat and wash coat with a minimum total dry film thickness of 0.35 mil.

2.07 ACCESSORIES

- A. Miscellaneous Sheet Metal Items: Provide flashings, trim, moldings, closure strips, preformed crickets, caps, as indicated or as required for project, and similar sheet metal items of the same material, thickness, and finish as used for the roofing panels. Items completely concealed after installation may optionally be made of stainless steel.
 - 1. Flashing and Trim: Provide flashing and trim, formed from same material and manufacturers run as metal roof panels, required to seal against weather and provide finished appearance. Locations include, but are not limited to, eaves, rakes, corners, bases, framed openings, ridges, fascia, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
 - 2. Gutters: Formed from same material and manufacturer's run as roof panels, complete with end pieces, outlet tubes, and other special pieces as required. Fabricate in minimum 96-inch- long sections, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Furnish gutter supports spaced a maximum of 36 inches on center, fabricated from same metal as gutters. Provide wire ball strainers of compatible metal at outlets. Finish gutters to match metal roof panels.
 - a. Gutter Profile: Square.
 - b. Provide continuous exterior-grade perforated gutter guard, concealed from view.
 - 3. Downspouts: Formed from same material and manufacturer's run as roof panels unless indicated otherwise on drawings. Fabricate in 10-foot- long sections, complete with formed elbows and offsets, of size and metal thickness according to SMACNA's "Architectural Sheet Metal Manual." Finish downspouts to match gutters. Furnish gutter supports spaced a maximum of 36 inches on center, fabricated from same metal as gutters.
 - 4. Roof Curbs: Fabricated from same material as roof panels, 22 Ga nominal thickness; galvalume or stainless steel; supply an integral full-length cricket for curbs wider than 24 inches supported by a structural metal deck. Fabricate curb flashing from 22 Ga. On open framing, provide roof underlayment and decking at and about roof curb per roofing manufacturer's requirements. Maintain a minimum of 1/2 of roofing panel width on each side of roof curb, and start panels a minimum of 9 inches up slope of roof curb, flashing roofing panels to roof curb per roofing manufacturer's requirements.. Fabricate curb and sub framing to withstand indicated loads of size and height of roof top equipment. Where required insulate roof curbs with rigid insulation.
- B. Panel Fasteners: Zinc-coated steel, corrosion resisting steel, zinc cast head, or nylon capped steel, type and size as approved for the applicable loading requirements.
- C. Rib and Ridge Closures: Provide prefabricated, close-fitting components of steel with corrosion resistant finish or combination steel and closed-cell foam.
- D. Weatherseal: Manufacturer's standard as required for watertight warranty.
- E. Sealants:
 - 1. Exposed Sealant: Elastomeric; silicone, polyurethane, or silyl-terminated polyether/polyurethane.
 - 2. Concealed Sealant: Non-curing butyl sealant or tape sealant.
 - 3. Seam Sealant: Factory-applied, non-skinning, non-drying type.
- F. Underlayment: Self-adhering rubber-modified asphalt sheet complying with ASTM D1970/D1970M; 40 mil (1 mm) total thickness; with strippable release film and woven polyolefin top surface.
 - 1. Minimum Requirements: Comply with requirements of ICC-ES AC188 for non-self-adhesive sheet.
 - 2. Sheet Thickness: 40 mil, 0.040 inch (1.02 mm) minimum total thickness.

3. Self Sealability: Passing nail sealability test specified in ASTM D1970/D1970M.
4. Adhesion to plywood at 40 deg F, lbf/ft: 10 lbf/ft in ASTM D1970
5. Low Temperature Flexibility: Passing test specified in ASTM D1970/D1970M.
6. Water Vapor Permeance: 0.1 perm (5.72 ng/Pa s sq m), maximum, when tested in accordance with ASTM E96/E96M Procedure A (desiccant method).
7. Minimum Thermal Stability:
 - a. Thermal Stability: Stable after testing at 240 deg F (116 deg C); ASTM D 1970.
 - b. Low-Temperature Flexibility: Passes after testing at minus 20 deg F (29 deg C); ASTM D 1970.
8. Building paper or felt is not allowed.
9. Manufacturers:
 - a. Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1) Henry Company; Blueskin PE200HT: www.henry.com/#sle.
 - 2) Polyglass USA, Inc; Polystick MTS Self-Adhered High Temperature Roof Underlayment: www.polyglass.us/#sle.
 - 3) Soprema Lastobond Shield HT.
 - 4) Substitutions: See Section 01 6000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation of preformed metal roof panels until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Broom clean wood sheathing prior to installation of roofing system.
- B. Coordinate roofing work with provisions for roof drainage, flashing, trim, penetrations, and other adjoining work to assure that the completed roof will be free of leaks.
- C. Remove protective film from surface of roof panels immediately prior to installation. Strip film carefully, to avoid damage to prefinished surfaces.
- D. Separate dissimilar metals by applying a bituminous coating, self-adhering rubberized asphalt sheet, or other permanent method approved by roof panel manufacturer.
- E. Where metal will be in contact with wood or other absorbent material subject to wetting, seal joints with sealing compound and apply one coat of heavy-bodied bituminous paint.

3.03 FABRICATION

- A. General: Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. On-Site Fabrication: Subject to compliance with requirements of this Section, metal panels may be fabricated on-site using factory set, non-adjustable portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.
- C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.

2. Sealed Joints: Form non-expansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
3. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
 - a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal panel manufacturer for application, but not less than thickness of metal being secured.

3.04 INSTALLATION

- A. Overall: Install roofing system in accordance with approved shop drawings and panel manufacturer's instructions and recommendations, as applicable to specific project conditions. Anchor all components of roofing system securely in place while allowing for thermal and structural movement.
 1. Install roofing system with concealed clips and fasteners, except as otherwise recommended by manufacturer for specific circumstances.
 2. Minimize field cutting of panels. Where field cutting is absolutely required, use methods that will not distort panel profiles. Use of torches for field cutting is absolutely prohibited.
 - a. Install panels with alignment as indicated on drawings.
 - 1) If layout is not indicated, center panels in area. Provide equally cut panels along perimeter as required for a centered layout. Do not use full panels at one side and work towards the other side resulting in a randomly cut panel.
- B. Accessories: Install all components required for a complete roofing assembly, including flashings, trim, moldings, closure strips, preformed crickets, caps, rib closures, ridge closures, and similar roof accessory items.
- C. Roof Panels: Install panels in strict accordance with manufacturer's instructions, minimizing transverse joints except at junction with penetrations.
 1. Form weathertight standing seams incorporating concealed clips, using an automatic mechanical seaming device approved by the panel manufacturer.
 2. Incorporate concealed clips at panel joints, and apply snap-on battens to provide weathertight joints.
 3. Provide sealant tape or other approved joint sealer at lapped panel joints.
 4. Install sealant or sealant tape, as recommended by panel manufacturer, at end laps and side joints.

3.05 CLEANING

- A. Clean exposed sheet metal work at completion of installation. Remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving the work clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to the finish.

3.06 PROTECTION

- A. Do not permit storage of materials or roof traffic on installed roof panels. Provide temporary walkways or planks as necessary to avoid damage to completed work. Protect roofing until completion of project.
- B. Touch-up, repair, or replace damaged roof panels or accessories before Date of Substantial Completion.

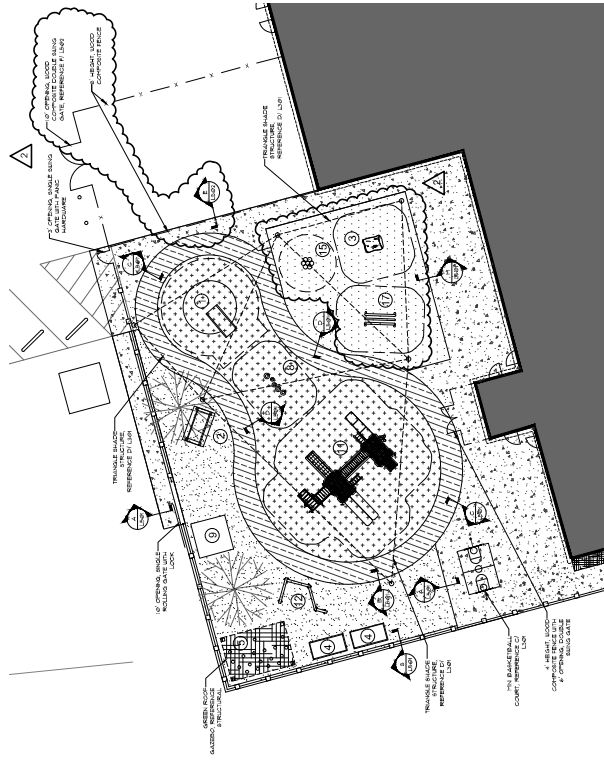
END OF SECTION

LEGEND

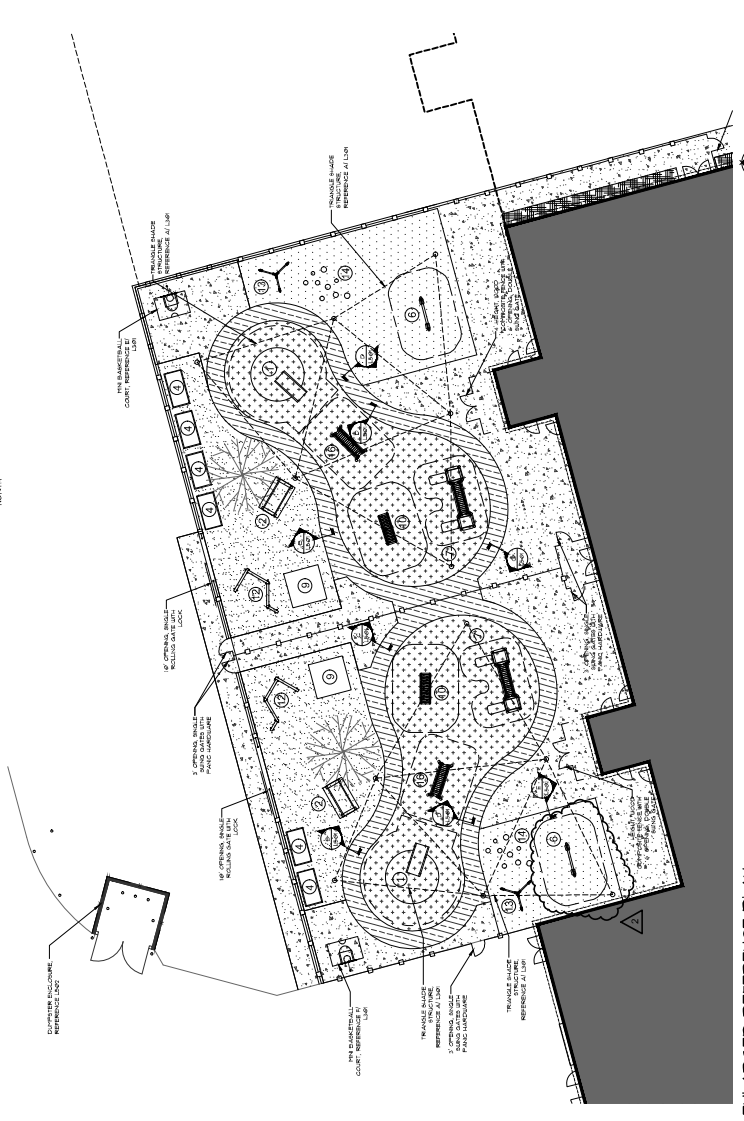
NOTE: THESE FINISHES AND MATERIALS ARE TO BE SELECTED BY ARCHITECT

PLAYGROUND EQUIPMENT LEGEND

1. 10' PLAYGROUND STRUCTURE BY FUNKY FUN
2. 6' SQUARE PLATFORM TABLE BY BEANS PLAYWORKS
3. 4'x4' WOODEN TABLE BY BEANS PLAYWORKS
4. 4'x4' WOODEN TABLE WITH BENCH BY BEANS PLAYWORKS
5. 4'x4' WOODEN TABLE WITH BENCH AND GATE BY BEANS PLAYWORKS
6. 4'x4' WOODEN TABLE WITH BENCH AND GATE BY BEANS PLAYWORKS
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18. 4'x4' WOODEN TABLE WITH BENCH AND GATE BY BEANS PLAYWORKS
19. 4'x4' WOODEN TABLE WITH BENCH AND GATE BY BEANS PLAYWORKS
20. 4'x4' WOODEN TABLE WITH BENCH AND GATE BY BEANS PLAYWORKS



B ENLARGED REFERENCE PLAN
1" = 10'-0"
NORTH
0 5 10 15 20 FEET

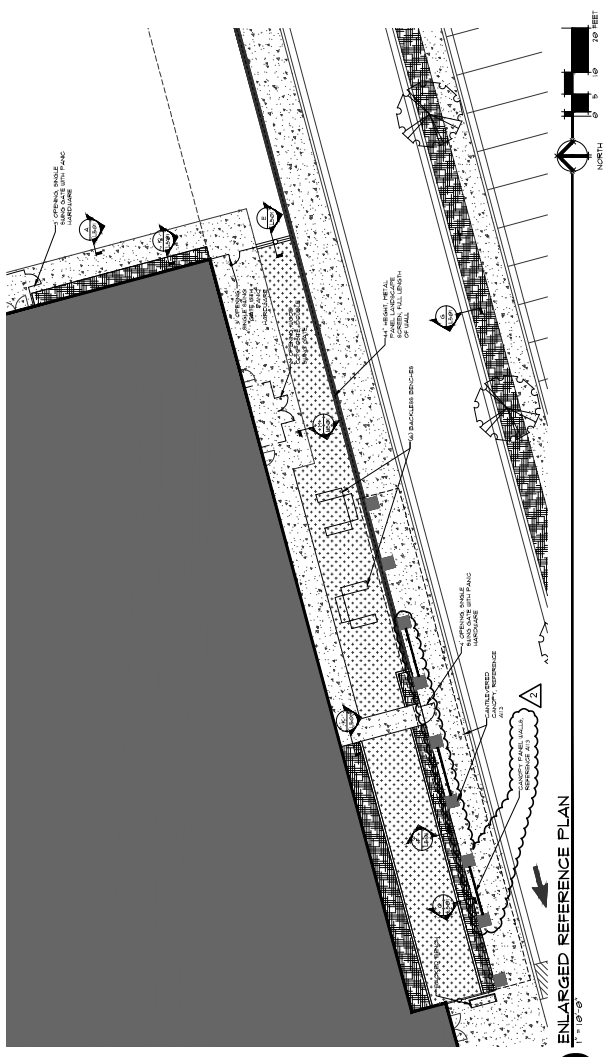


A ENLARGED REFERENCE PLAN
1" = 10'-0"
NORTH
0 5 10 15 20 FEET

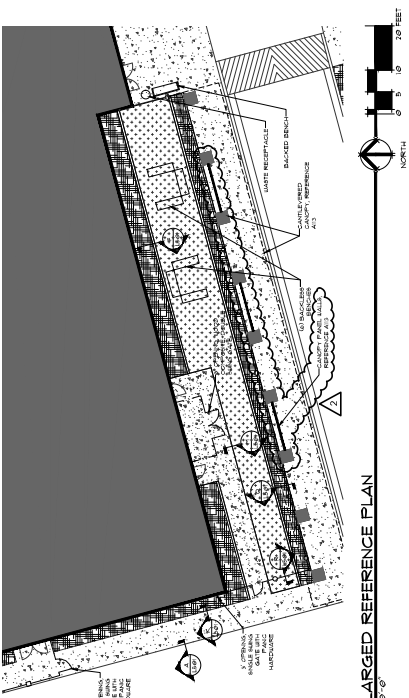
LEGEND

	CONCRETE PATTERN REFERENCE GRID		LANDSCAPE BED
	ASD		PAVEMENT TYPE 1
	DECORATIVE CONCRETE COLOR 1		DECORATIVE CONCRETE COLOR 2
	DECORATIVE CONCRETE COLOR 3		DECORATIVE CONCRETE COLOR 4

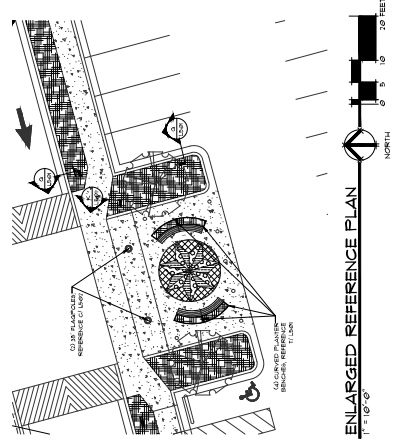
1. 4" HIGH, ANTI-SLIP URME FINISH AND WATER BLISS
 2. 4" HIGH, ANTI-SLIP, COATED CHAIN LINK FENCE AND GATES WITH PRIVACY
 3. 4" HIGH, 4000 COMPRESSIVE STRENGTH AND ALUMINUM COATING TO BE SELECTED BY ARCHITECT
 4. 4" HIGH, ANTI-SLIP, LANDSCAPE SCREEN PATTERNS AND COLOR TO BE SELECTED BY ARCHITECT



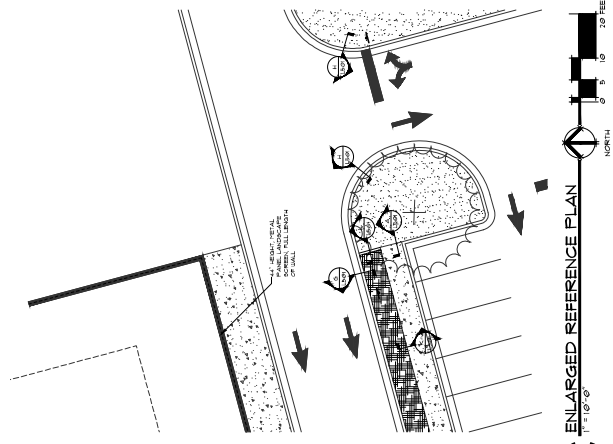
D ENLARGED REFERENCE PLAN
1" = 10'-0"
30' FEET



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1" = 10'-0"
30' FEET



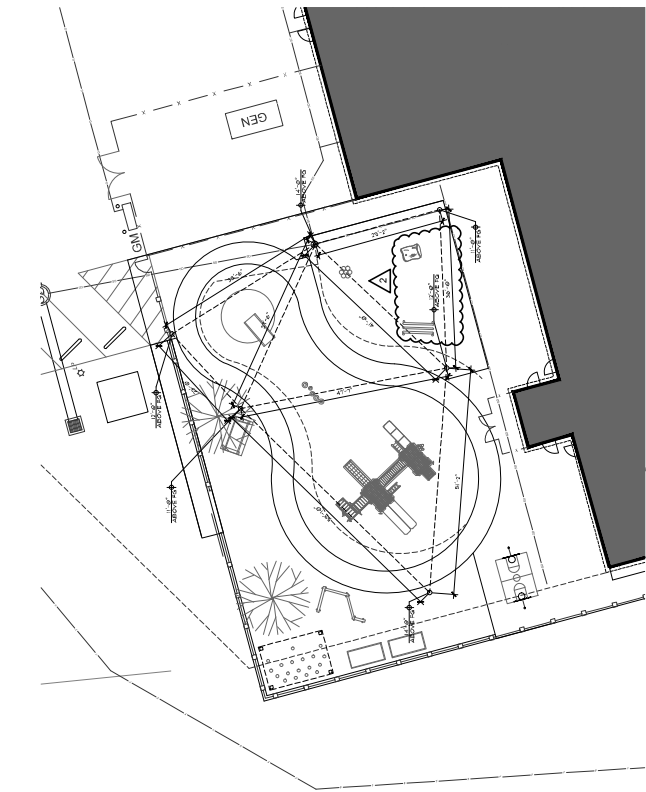
B ENLARGED REFERENCE PLAN
1" = 10'-0"
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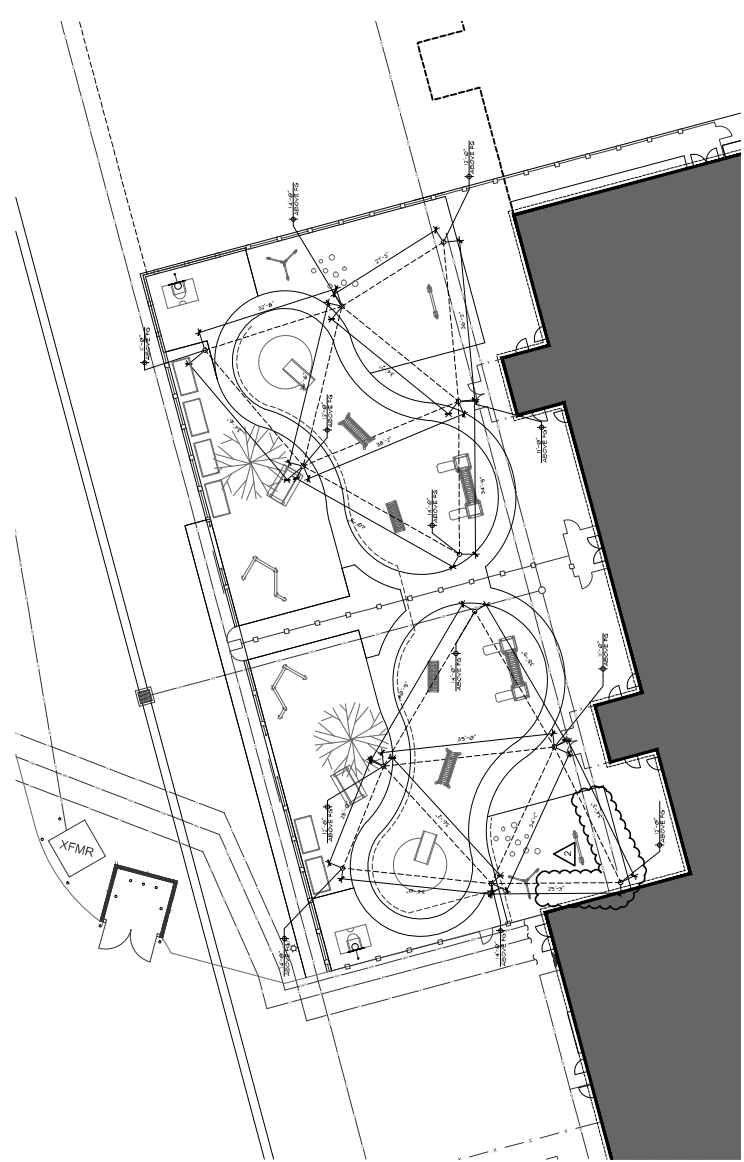
C ENLARGED REFERENCE PLAN
1" = 10'-0"
30' FEET

LEGEND

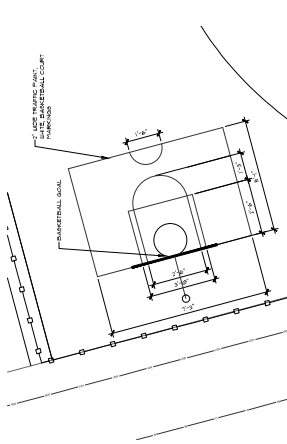
	CONCRETE FORMWORK		LANDSCAPE BED
	ARCHITECTURAL CONCRETE, COLOR 1		ARCHITECTURAL CONCRETE, COLOR 2
	ARCHITECTURAL CONCRETE, COLOR 3		ARCHITECTURAL CONCRETE, COLOR 4



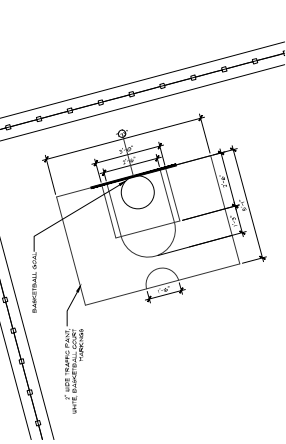
D LAYOUT AND DIMENSION PLAN
1"=10'-0"
NORTH



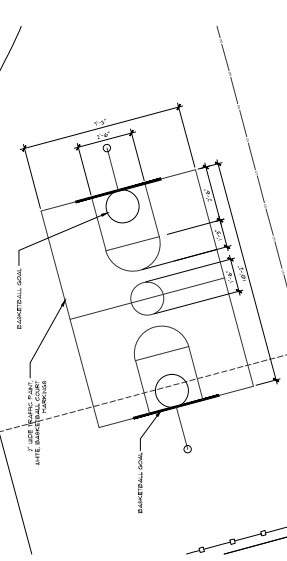
A LAYOUT AND DIMENSION PLAN
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NORTH



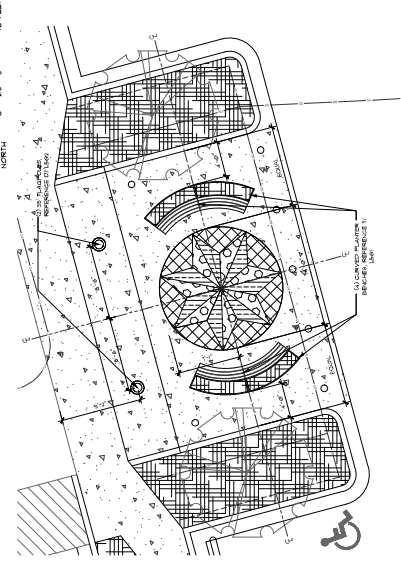
F LAYOUT AND DIMENSION PLAN
1"=1'-0"
NORTH



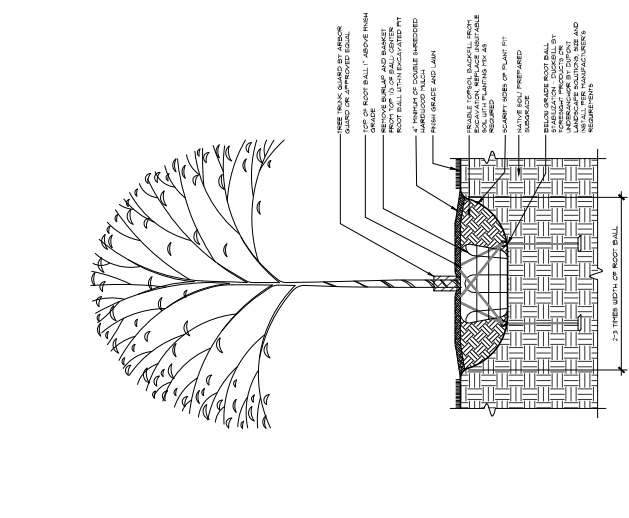
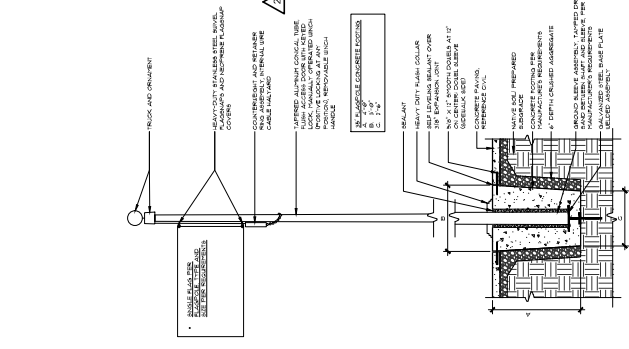
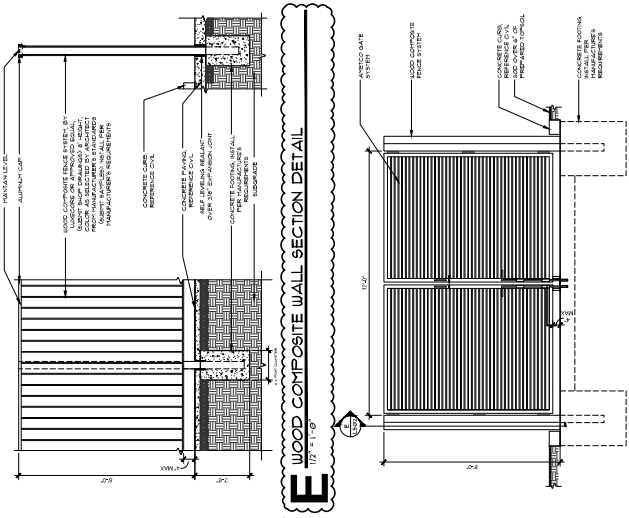
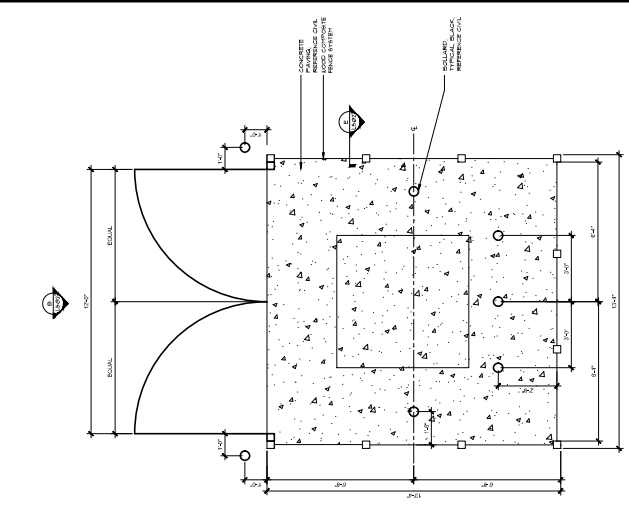
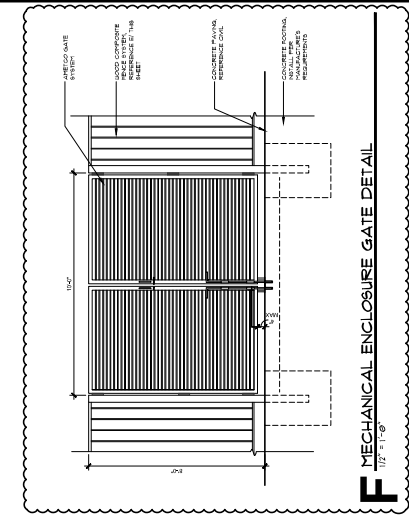
E LAYOUT AND DIMENSION PLAN
1"=1'-0"
NORTH



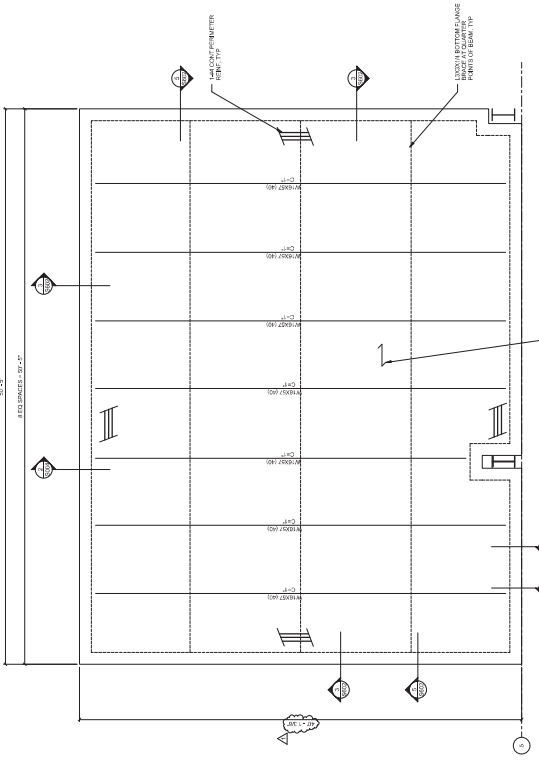
C LAYOUT AND DIMENSION PLAN
1"=1'-0"
NORTH



B LAYOUT AND DIMENSION PLAN
1"=1'-0"
NORTH

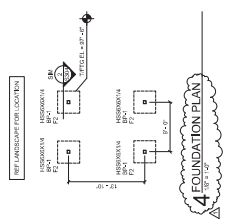


- GENERAL NOTES:**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL RESIDENTIAL CODE (IRC).
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 9. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).
 10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC), THE INTERNATIONAL MECHANICAL, ELECTRICAL, AND PLUMBING CODE (IMC).

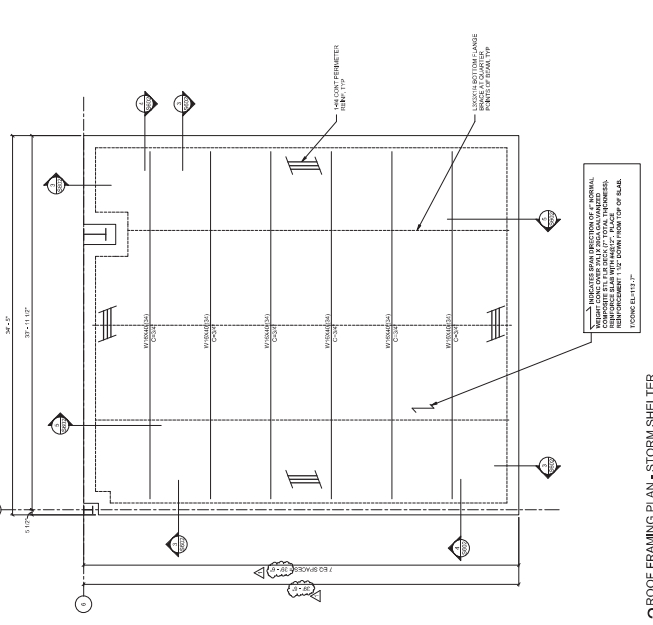


INDICATES SPAN DIRECTION OF MEMBER. COMPARE TO ALL OTHER PARTIAL PLANS. REINFORCEMENT TO BE DOWN FROM TOP OF SLAB.

3 ROOF FRAMING PLAN - STORM SHELTER
 18' x 11' 11"

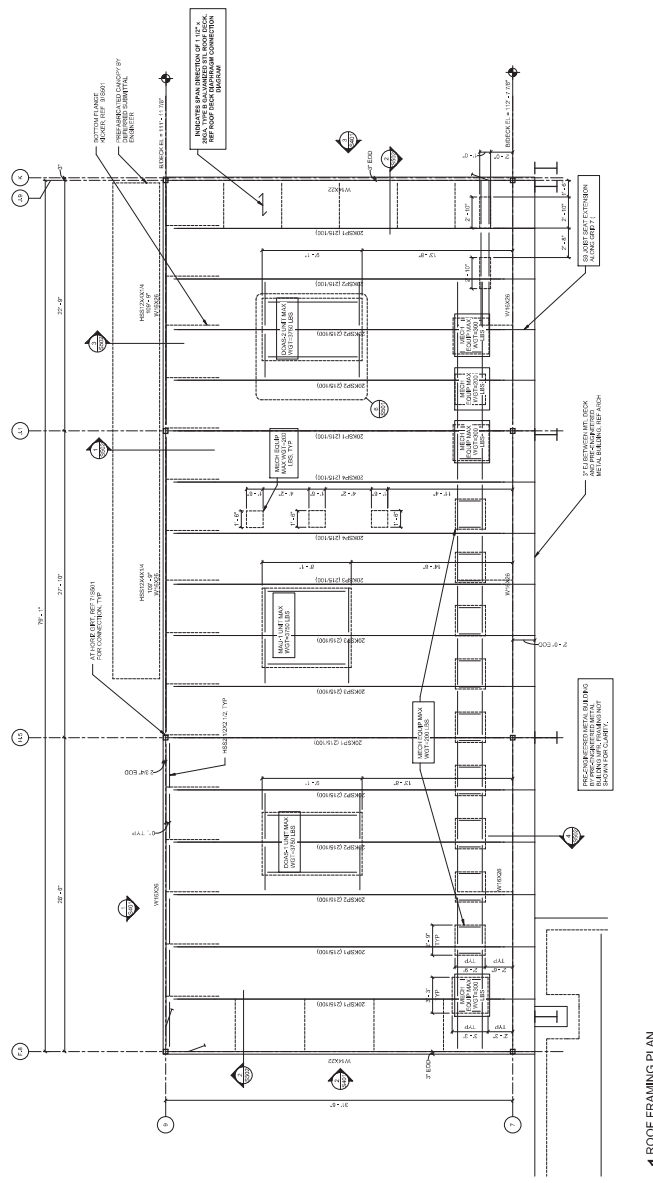


5 ROOF FRAMING PLAN
 18' x 11' 11"

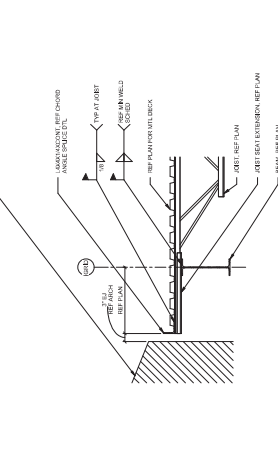
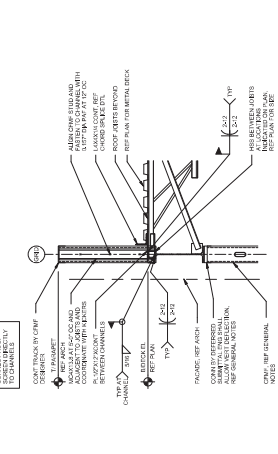
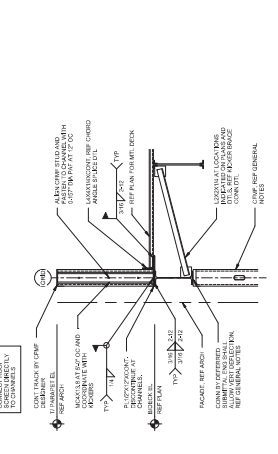
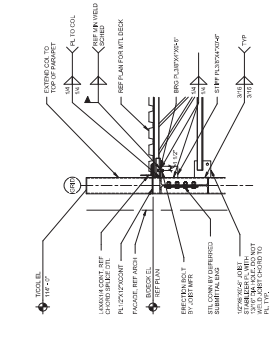


INDICATES SPAN DIRECTION OF MEMBER. COMPARE TO ALL OTHER PARTIAL PLANS. REINFORCEMENT TO BE DOWN FROM TOP OF SLAB.

2 ROOF FRAMING PLAN - STORM SHELTER
 18' x 11' 11"



1 ROOF FRAMING PLAN
 18' x 11' 11"



KEY	PIP	PIP SIZE	PIP PCONN	PIP PREVIC TO	PIP	PIP PMP	PIP REMARKS
1	4"	FLOOR DRAIN	FLOOR	WATER	4"	FLOOR DRAIN	WATER
2	1 1/2"	TRAP	FLOOR	WATER	1 1/2"	TRAP	WATER
3	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
4	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
5	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
6	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
7	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
8	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
9	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
10	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
11	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
12	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
13	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
14	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
15	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
16	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
17	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
18	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
19	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
20	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
21	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
22	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
23	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
24	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER
25	2"	FLOOR DRAIN	FLOOR	WATER	2"	FLOOR DRAIN	WATER

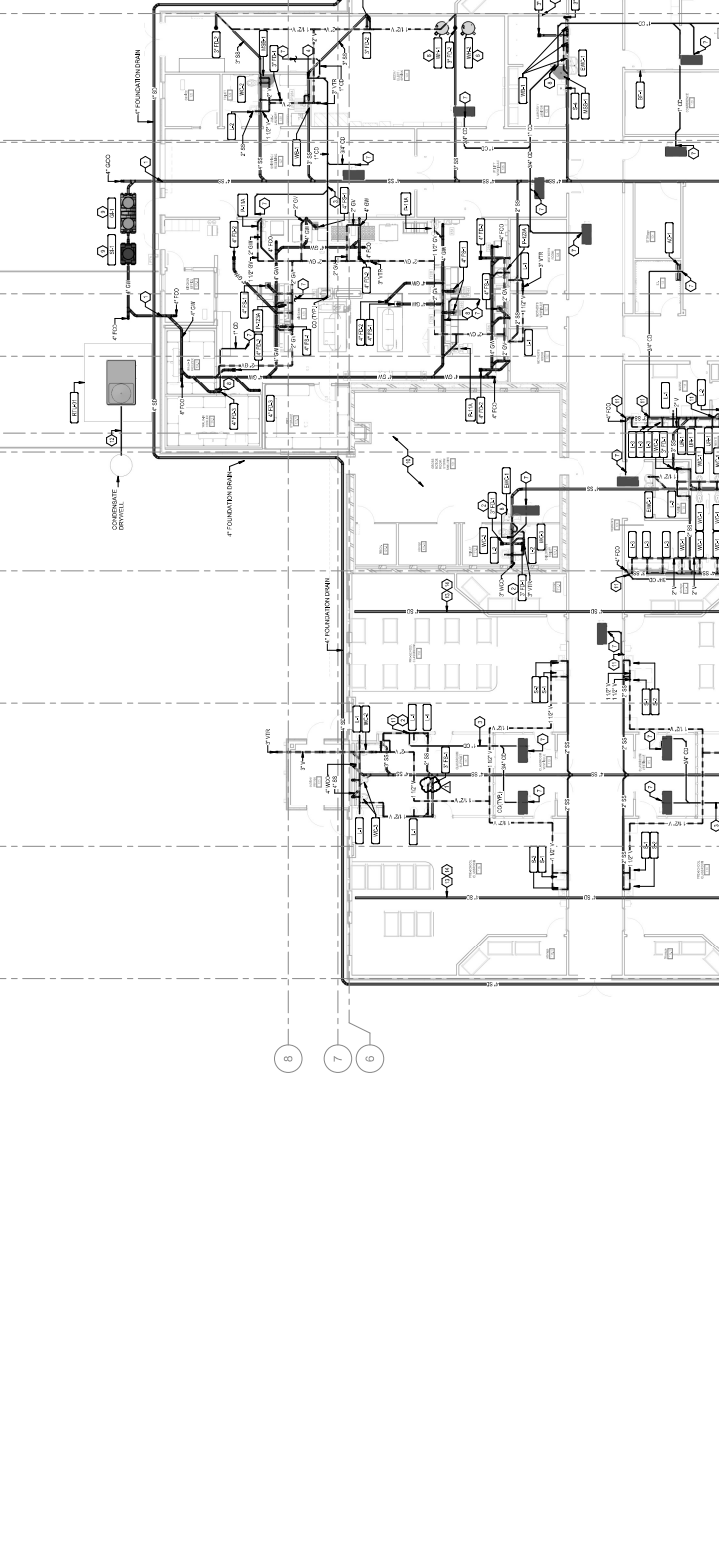
NOTES:

1. COORDINATE ALL PLUMBING WITH OTHER TRADES AND MECHANICAL EQUIPMENT.
2. PROVIDE SLOPE FOR ALL PLUMBING WITH THE EXCEPTED SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
3. PROVIDE SLOPE FOR ALL PLUMBING WITH THE EXCEPTED SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
4. PROVIDE SLOPE FOR ALL PLUMBING WITH THE EXCEPTED SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
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25. PROVIDE SLOPE FOR ALL PLUMBING WITH THE EXCEPTED SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.

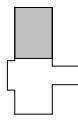
1. TO: CHIEF ARCHITECT / PROJECT MANAGER
 2. TO: GENERAL CONTRACTOR / MECHANICAL CONTRACTOR
 3. TO: MECHANICAL CONTRACTOR / PLUMBING CONTRACTOR
 4. TO: PLUMBING CONTRACTOR / MECHANICAL CONTRACTOR
 5. TO: MECHANICAL CONTRACTOR / ARCHITECT

MATERIALS AND METHODS

ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:
 1. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:
 2. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING:
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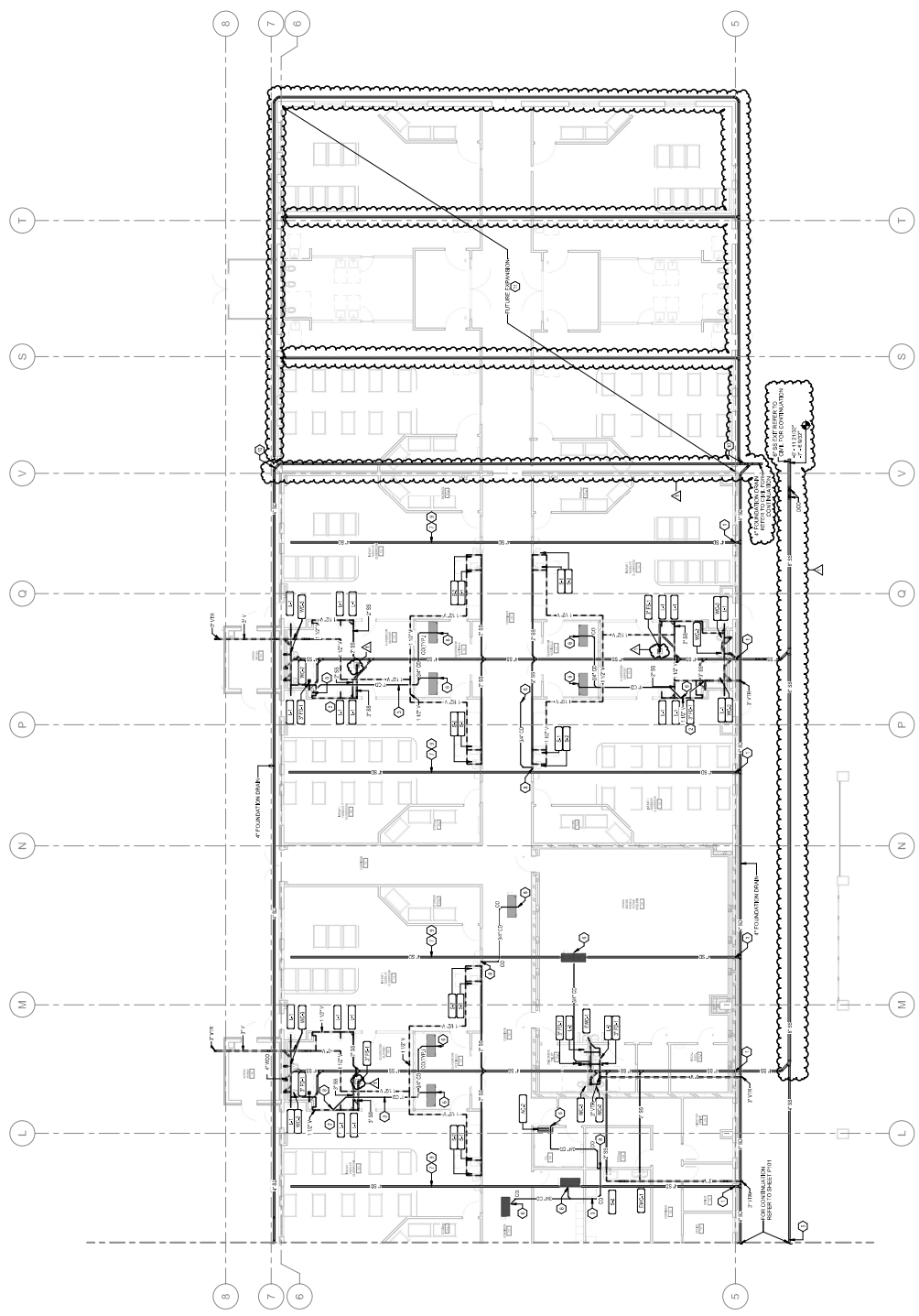
PLUMBING PLAN - WASTE & VENT - AREA A
P101
 1924 COUNTRY CLUB DRIVE, CATOOSA, OKLAHOMA 74015
CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER



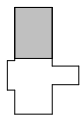
- NOTES**
1. CONSULT ARCHITECT FOR FUNCTIONAL, CONTRACT, OPERATIONAL, AND FINANCIAL REQUIREMENTS. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODE (IMC) AND THE NATIONAL PLUMBING CODE (NPC).
 2. ALL DIMENSIONS ARE UNLESS OTHERWISE NOTED.
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REVISIONS

NO.	DATE	DESCRIPTION
1	08/16/24	ISSUED FOR PERMIT
2	08/16/24	ISSUED FOR PERMIT
3	08/16/24	ISSUED FOR PERMIT

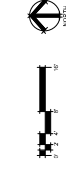
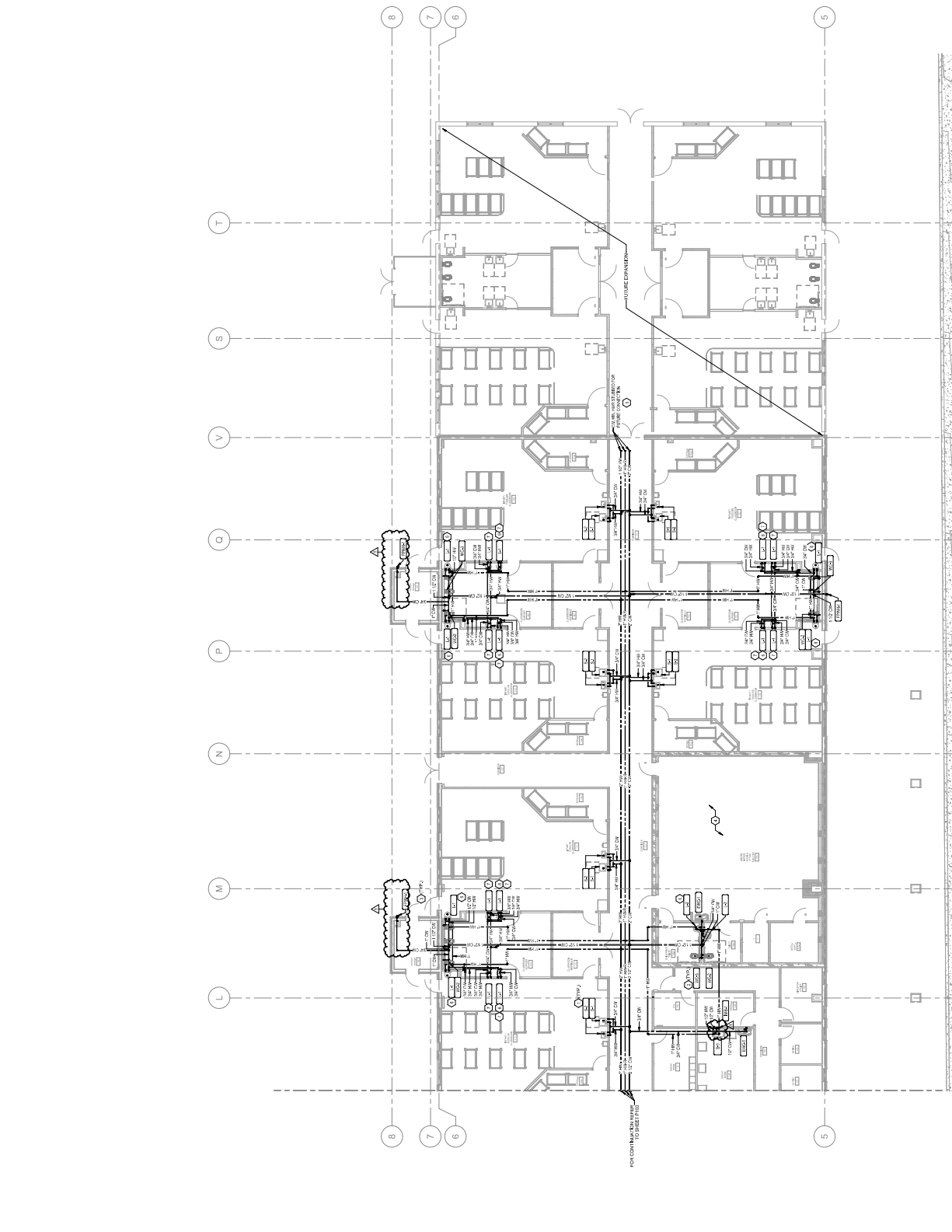


A PLUMBING PLAN - WASTE & VENT
1/8" = 1'-0"

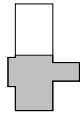


- NOTES**
1. PROVIDE ALL NECESSARY WORK AND MATERIALS TO BE INSTALLED IN ACCORDANCE WITH THE OMAHA CODES AND REGULATIONS.
 2. PROVIDE ALL NECESSARY WORK AND MATERIALS TO BE INSTALLED IN ACCORDANCE WITH THE OMAHA CODES AND REGULATIONS.
 3. PROVIDE ALL NECESSARY WORK AND MATERIALS TO BE INSTALLED IN ACCORDANCE WITH THE OMAHA CODES AND REGULATIONS.
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 8. PROVIDE ALL NECESSARY WORK AND MATERIALS TO BE INSTALLED IN ACCORDANCE WITH THE OMAHA CODES AND REGULATIONS.

- LEGEND**
- 1. 1/2" DIA. COPPER WATER MAIN
 - 2. 1/2" DIA. COPPER WATER BRANCH
 - 3. 1/2" DIA. COPPER WATER BRANCH
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 - 99. 1/2" DIA. COPPER WATER BRANCH
 - 100. 1/2" DIA. COPPER WATER BRANCH

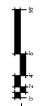
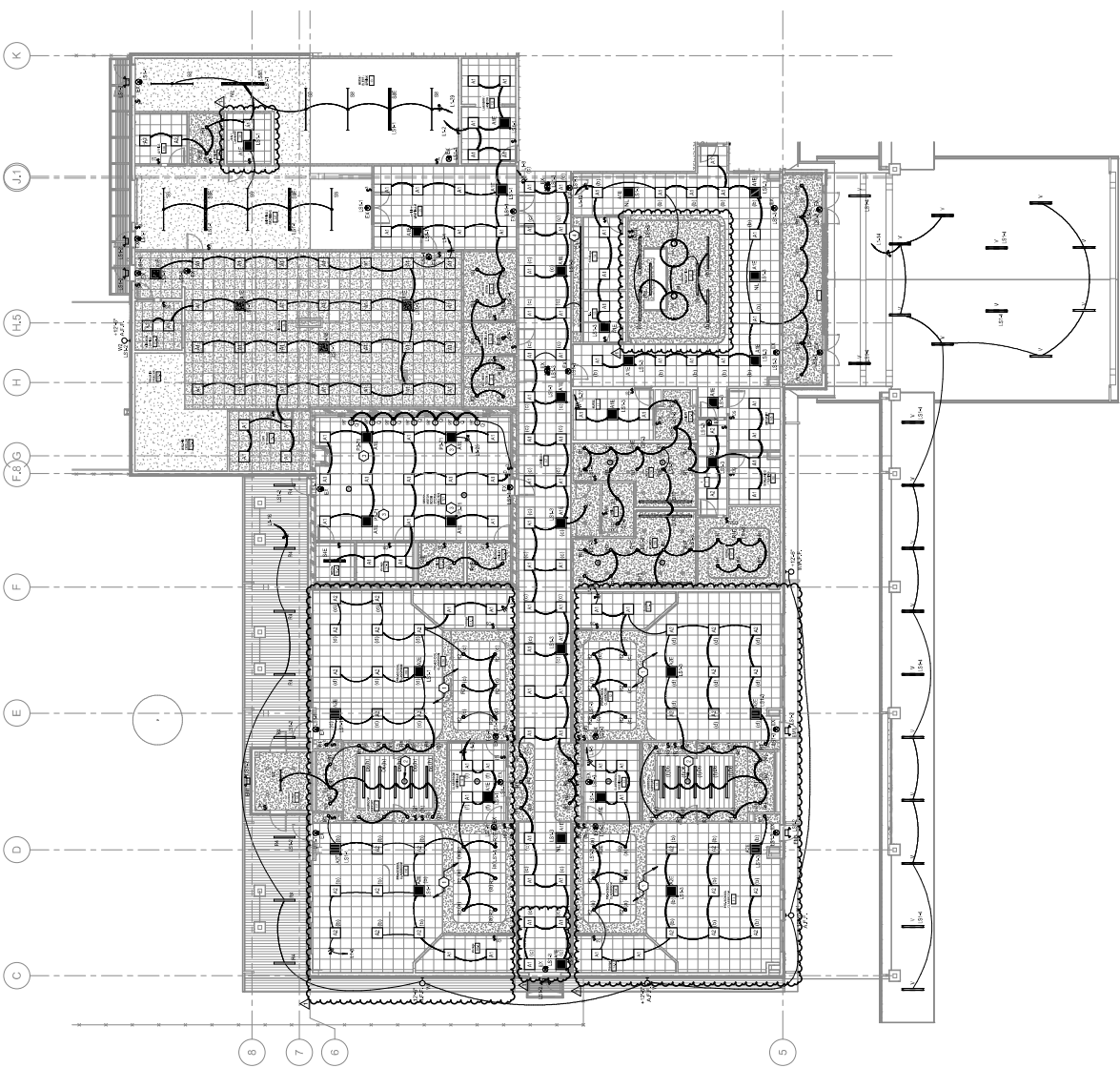


A PLUMBING PLAN - WATER & GAS
1/8" = 1'-0"



- KEYNOTES**
1. CONSULT WITH THE OWNER FOR ANY SPECIAL REQUIREMENTS.
 2. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 3. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).
 4. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL ELECTRICAL CODES.
 5. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER SPECIFICATIONS.
 6. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER ARCHITECTURAL DRAWINGS.
 7. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER ELECTRICAL DRAWINGS.
 8. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING PLAN.
 9. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING SCHEDULE.
 10. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING CONTROL SYSTEM.
 11. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING DIMMING SYSTEM.
 12. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING SCENE PRESET SYSTEM.
 13. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING SENSING SYSTEM.
 14. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING THERMOSTAT SYSTEM.
 15. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING VIBRATION SYSTEM.
 16. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING WIND SYSTEM.
 17. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING NOISE SYSTEM.
 18. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING AIR QUALITY SYSTEM.
 19. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING HUMIDITY SYSTEM.
 20. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER LIGHTING TEMPERATURE SYSTEM.
- LIGHTING GENERAL NOTES**
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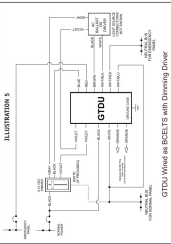
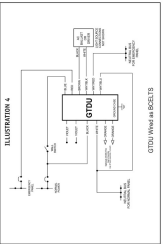
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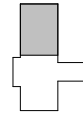
A FIRST FLOOR LIGHTING PLAN (AREA A)
1/8" = 1'-0"

MAINTENANCE
Refer to the OTOU Maintenance Manual for detailed instructions on how to maintain the OTOU. The OTOU is a critical component of the lighting system and should be maintained regularly. The OTOU should be inspected and tested at least once a year. The OTOU should be replaced if it is found to be defective. The OTOU should be replaced by a qualified electrician. The OTOU should be replaced in accordance with the manufacturer's instructions. The OTOU should be replaced in accordance with the local electrical codes. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center specifications. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center architectural drawings. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center electrical drawings. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting plan. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting schedule. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting control system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting dimming system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting scene preset system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting sensing system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting thermostat system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting vibration system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting wind system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting noise system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting air quality system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting humidity system. The OTOU should be replaced in accordance with the Cherokee Nation Catoosa Child Development Center lighting temperature system.

WIRING DIAGRAMS FOR UL 1008 - BECEITS APPLICATIONS

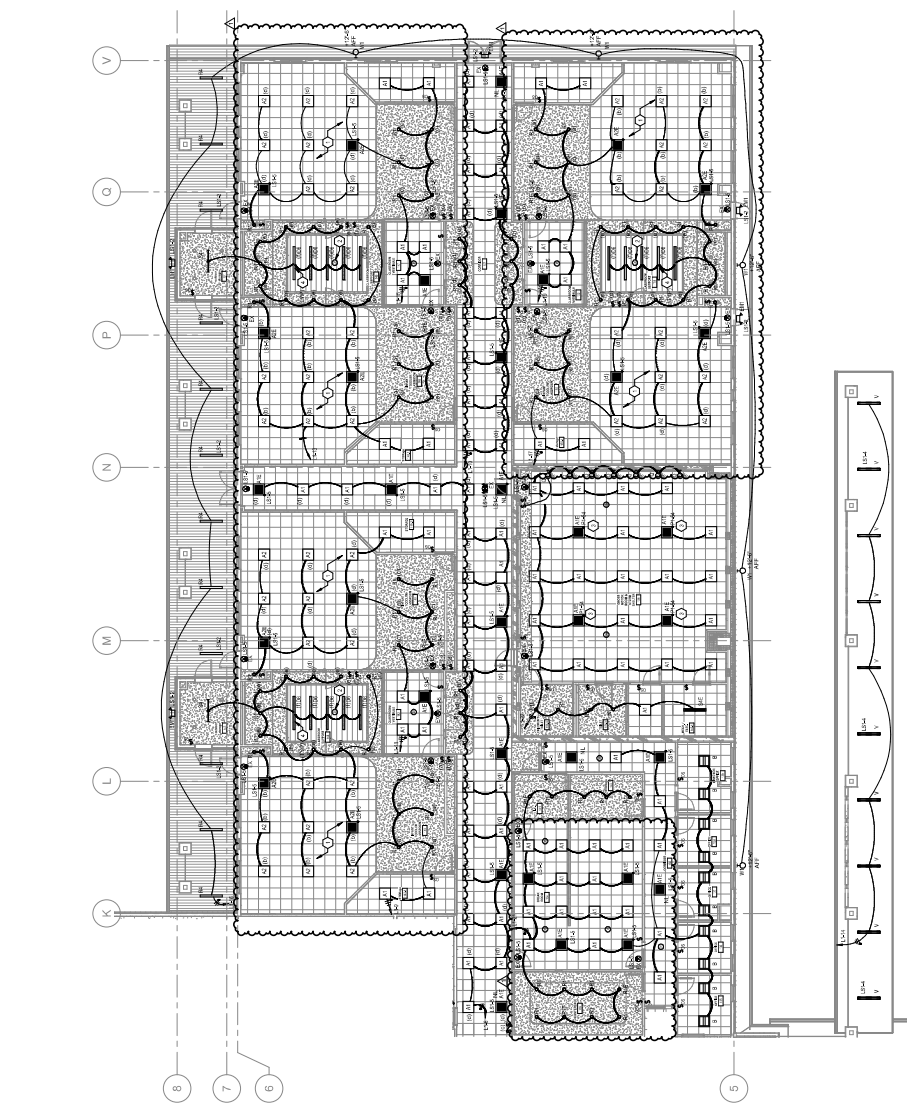


B EMERGENCY GENERATOR TRANSFER DEVICE DIAGRAM
1/2" = 1'-0"



- NOTES:**
1. CLASSIFICATION OF THE LIGHTING FIXTURES SHALL BE DETERMINED BY THE MANUFACTURER'S DATA SHEET. THE LIGHTING FIXTURES SHALL BE CLASSIFIED AS DIRECT, SEMI-DIRECT, OR INDIRECT.
 2. PROVIDE ALL LIGHTING FIXTURES WITH A MINIMUM OF 100 LUMENS PER SQUARE FOOT OF FLOOR AREA.
 3. PROVIDE ALL LIGHTING FIXTURES WITH A MINIMUM OF 100 LUMENS PER SQUARE FOOT OF FLOOR AREA.
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A FIRST FLOOR LIGHTING PLAN (AREAB)
 1/8" = 1'-0"

PANELBOARD: P1
 MAKE: SQUARE D
 MODEL: 250A
 VOLTAGE: 480V
 NUMBER OF CIRCUITS: 12
 PANELBOARD TYPE: P1

CIRCUIT NO.	CIRCUIT DESCRIPTION	WIRE SIZE			TERMINAL	BUSES	PHASE	NEUTRAL	GROUND	CIRCUIT BREAKER	NOTES
		1	2	3							
1	3-PHASE 4-WIRE 480V	250	250	250							
2	250A MAIN										

PANELBOARD: D1
 MAKE: SQUARE D
 MODEL: 250A
 VOLTAGE: 480V
 NUMBER OF CIRCUITS: 12
 PANELBOARD TYPE: D1

CIRCUIT NO.	CIRCUIT DESCRIPTION	WIRE SIZE			TERMINAL	BUSES	PHASE	NEUTRAL	GROUND	CIRCUIT BREAKER	NOTES
		1	2	3							
1	3-PHASE 4-WIRE 480V	250	250	250							
2	250A MAIN										

PANELBOARD: D2
 MAKE: SQUARE D
 MODEL: 250A
 VOLTAGE: 480V
 NUMBER OF CIRCUITS: 12
 PANELBOARD TYPE: D2

CIRCUIT NO.	CIRCUIT DESCRIPTION	WIRE SIZE			TERMINAL	BUSES	PHASE	NEUTRAL	GROUND	CIRCUIT BREAKER	NOTES
		1	2	3							
1	3-PHASE 4-WIRE 480V	250	250	250							
2	250A MAIN										

Switchboard: CP
 MAKE: SQUARE D
 MODEL: 250A
 VOLTAGE: 480V
 NUMBER OF CIRCUITS: 12
 SWITCHBOARD TYPE: CP

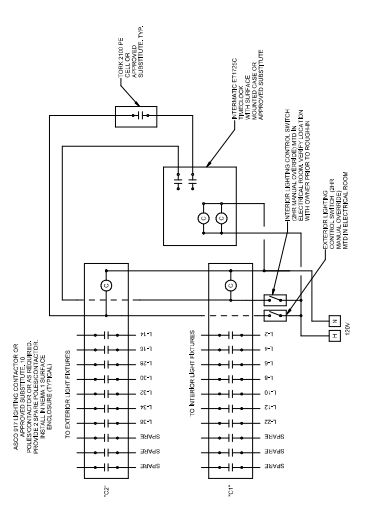
CIRCUIT NO.	CIRCUIT DESCRIPTION	WIRE SIZE			TERMINAL	BUSES	PHASE	NEUTRAL	GROUND	CIRCUIT BREAKER	NOTES
		1	2	3							
1	3-PHASE 4-WIRE 480V	250	250	250							
2	250A MAIN										

PANELBOARD: KCP
 MAKE: SQUARE D
 MODEL: 250A
 VOLTAGE: 480V
 NUMBER OF CIRCUITS: 12
 PANELBOARD TYPE: KCP

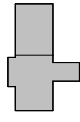
CIRCUIT NO.	CIRCUIT DESCRIPTION	WIRE SIZE			TERMINAL	BUSES	PHASE	NEUTRAL	GROUND	CIRCUIT BREAKER	NOTES
		1	2	3							
1	3-PHASE 4-WIRE 480V	250	250	250							
2	250A MAIN										

PANELBOARD: L1
 MAKE: SQUARE D
 MODEL: 250A
 VOLTAGE: 480V
 NUMBER OF CIRCUITS: 12
 PANELBOARD TYPE: L1

CIRCUIT NO.	CIRCUIT DESCRIPTION	WIRE SIZE			TERMINAL	BUSES	PHASE	NEUTRAL	GROUND	CIRCUIT BREAKER	NOTES
		1	2	3							
1	3-PHASE 4-WIRE 480V	250	250	250							
2	250A MAIN										

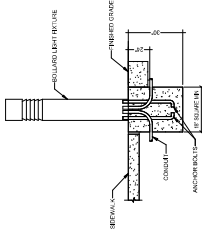


A LIGHTING CONTROL DIAGRAM

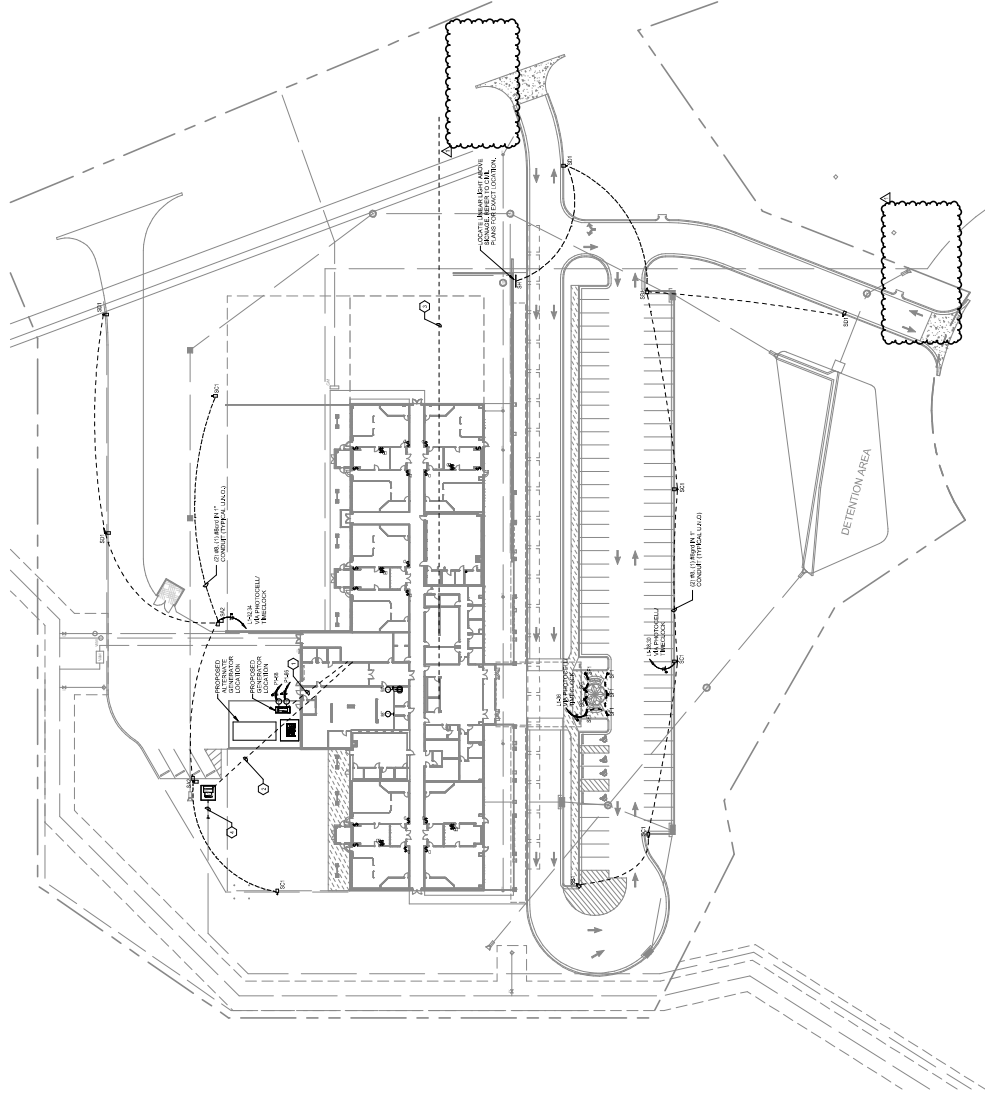


- SITE PLAN GENERAL NOTES**
1. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
 2. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
 3. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
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B BOLLARD MOUNTING DETAIL
N.T.S.



A ELECTRICAL SITE PLAN
1" = 300'