

## ADDENDUM NO. 1

**DATE:** 5/24/2024  
**PROJECT:** Old School Park - McCordsville

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Addendum No. 1: Pages 1 - 2

**Drawings:**

- C001 TITLE SHEET
- C500 EROSION CONTROL PLAN
- L430 PLAYGROUND SURFACING PLAN
- E000 SYMBOLS AND ABBREV.
- E101 SITE ELECTRICAL PLAN
- E501 ELECTRICAL DETAILS
- E601 ELECTRICAL SCHEDULES

**Specification Sections:**

- 00010 INDEX
- 01230 ALTERNATES
- 321816 PLAYGROUND PROTECTIVE SURFACING

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This Addendum consists of the following documents:

**General Notes:**

1. **RESPONSE TO BIDDER QUESTIONS:**
  - a. Including preliminary response to open air shelter.

**Scopes Definitions**

**Drawings**

1. **C001 TITLE SHEET:** Revised to include electrical plans.
2. **C500 EROSION CONTROL PLAN:** Revised to include erosion control entrance.
3. **L430 PLAYGROUND SURFACING PLAN:** The playground surfacing plan was added to the sheet set.
4. **E000 SYMBOLS AND ABBREV.:** The electrical symbols and abbreviations were added to the sheet set prior to the electrical plans.
5. **E101 SITE ELECTRICAL PLANS:** The electrical plans were added to the sheet set.
6. **E501 ELECTRICAL DETAILS:** The electrical details needed for the project were added to the sheet set.
7. **E601 ELECTRICAL SCHEDULES:** The electrical schedules were added to the sheet set.

### Specifications

1. **00010 INDEX:** The sections, 00400, 00400a, 00410, were added to the index.
2. **01230 ALTERNATES:** ADD alternate 1 was added, and the ADD alternate 2 was updated.
3. **321816 PLAYGROUND PROTECTIVE SURFACING:** This section has been updated.

End of Addendum No. **1**

DIVISION 0 BIDDING AND CONTRACT REQUIREMENTS

|                |       |  |
|----------------|-------|--|
| <i>Section</i> | 00010 | Notice to Bidders  |
|                | 00110 | Standard Form of Agreement (AIA Document Sample A101, Insurance & Bonding)     |
|                | 00120 | Supplemental Instructions to Bidders   |
|                | 00200 | Bid Form   |
|                | 00400 | General Conditions of the Contract for Construction (AIA Document Sample A201) |
|                | 00410 | Supplementary Conditions<br>Form 96  |

DIVISION 1 GENERAL REQUIREMENTS

|                |       |                        |
|----------------|-------|------------------------|
| <i>Section</i> | 01100 | Summary of Work        |
|                | 01140 | Work Restrictions      |
|                | 01230 | Alternates             |
|                | 01290 | Payment Procedures     |
|                | 01420 | References             |
|                | 01700 | Execution Requirements |
|                | 01770 | Contract Closeout      |

DIVISION 31 & 32 SITE CONSTRUCTION

|                |        |                                   |
|----------------|--------|-----------------------------------|
| <i>Section</i> | 033001 | Site Cast-in-place Concrete       |
|                | 116800 | Playground Equipment              |
|                | 311000 | Site Demolition                   |
|                | 312000 | Earth Moving                      |
|                | 312513 | Erosion Control                   |
|                | 321123 | Granular Base                     |
|                | 321216 | Asphalt Paving                    |
|                | 321313 | Concrete Paving                   |
|                | 321723 | Paving Marking                    |
|                | 321816 | Playground Protective Surfacing   |
|                | 323113 | Chain-Link Fencing and Gates      |
|                | 323119 | Ornamental Fencing and Gates      |
|                | 323300 | Site Furnishings                  |
|                | 329113 | Topsoil Preparation               |
|                | 329113 | Planting                          |
|                | 329200 | Turf and Grasses                  |
|                | 331100 | Water Utility Distribution Piping |
|                | 333100 | Sanitary Utility Sewer Piping     |
|                | 334100 | Storm Utility Drainage Piping     |
|                | 334605 | Playground Subdrainage            |

\*Addenda to follow with additional MEP specifications

DRAWINGS

Old School Park Drawings:

|      |                     |
|------|---------------------|
| C001 | Title Sheet         |
| C100 | Existing Topography |
| C110 | Demolition Plan     |

|        |   |
|--------|---|
| C300   | Grading Plan  |
| C400   | Utility Plan  |
| C400.1 | Utility Plan Alt2   |
| C450   | Utility Details   |
| C500   | Erosion Control Plan  |
| C550   | Erosion Control Details   |
| C590   | Storm Water Pollution Protection Plan<br>Town of McCordsville Standards |
| L010   | Tree Preservation Plan  |
| L100   | Materials Plan  |
| L101   | Materials Plan  |
| L201   | Layout Plan   |
| L202   | Jointing Plan   |
| L203   | Playground Layout Plan  |
| L401   | Planting Plan   |
| L410   | Planting Details  |
| L600   | Site Details  |
| L601   | Site Details  |
| L602   | Site Details  |
| E000   | Symbols and Abbrev.   |
| E101   | Site Electrical Plan  |
| E501   | Electrical Details  |
| E601   | Electrical Schedules  |

\*Addenda to follow with additional MEP drawings

Hanna Street Drainage Improvements Plans:

|    |   |
|----|---|
| 01 | Title Sheet                             |
| 02 | General Notes Sheet                     |
| 03 | Overall Layout                          |
| 04 | Plan and Profile Sheet                  |
| 05 | Plan and Profile Sheet                  |
| 06 | Plan and Profile Sheet                  |
| 07 | Plan and Profile Sheet                  |
| 08 | Plan and Profile Sheet                  |
| 09 | Plan and Profile Sheet                  |
| 10 | Plan and Profile Sheet                  |
| 11 | Plan and Profile Sheet                  |
| 12 | McCordsville Town Standard Detail Sheet |
| 13 | McCordsville Town Standard Detail Sheet |
| 14 | McCordsville Town Standard Detail Sheet |
| 15 | McCordsville Town Standard Detail Sheet |

Appendix A Town of McCordsville Topographic Survey

SECTION 01230 – ALTERNATES

PART 1 - GENERAL

1.1 GENERAL

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work that may be added to any Base Bid package, subject to the Owner deciding to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. The cost or credit for each alternate is the net addition to the Contract Sum to incorporate the alternate into the Work. No other adjustments are made to the Contract Sum.
- B. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into the Project.
  - 1. Include as part of each alternate miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
  - 2. Bidders shall provide Alternate Bid responses in addition to any Base Bid response.
- C. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates. Alternate Bids may be accepted by the Owner up to sixty (60) days after Bid Opening.
- D. Schedule: A schedule of Alternates is included at the end of this Section. These sections contain requirements for materials necessary to achieve the applicable work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

- A. Schedule of Alternates for **OLD SCHOOL PARK AND HANNA ST. IMPROVEMENTS**, as follows:
  - 1. **ADD Alternate 1:**  
Utility Path Alternate C400. Refer to Plan Legends for extent of work. Price shall be lump sum
  - 2. **ADD Alternate 2:**  
Utility Path Alternate C400.1. Refer to Plan Legends for extent of work. Price shall be lump sum.

END OF SECTION 01230

SECTION 32 18 16 – PLAYGROUND PROTECTIVE SURFACING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes poured-in-place resilient playground surfacing systems.
- B. Related Sections include the following:
  - 1. Division 31 Section "Earth Moving" for excavation and grading work.
  - 2. Division 11 Section "Playground Equipment" for installation of play equipment.
  - 3. Division 3 Section "Cast-in-Place Concrete" for concrete footings.
  - 4. Refer to Civil Engineering sheets for earthwork and subdrainage specifications.

1.3 DEFINITIONS

- A. Critical Height: Standard measure of shock attenuation. According to CPSC No. 325, this means "the fall height below which a life-threatening head injury would not be expected to occur."
- B. Fall Height: According to ASTM F 1487, this means "the vertical distance between a designated play surface and the protective surfacing beneath it." The fall height of playground equipment should not exceed the Critical Height of the protective surfacing beneath it.
- C. Protective Surfacing: According to ASTM F 1487, this means impact-attenuating "materials to be used within the use zone of any playground equipment" for playground surface systems.
- D. Use Zone: According to ASTM F 1487, this is "the area beneath and immediately adjacent to a play structure that is designated for unrestricted circulation around the equipment and on whose surface it is predicted that a user would land when falling from or exiting the equipment."

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated. Include installation details, material descriptions, profiles, colors and finishes.
- B. Samples for Initial Selection: Manufacturer's color charts and 6-inch (150-mm) square samples of actual surface materials.
- C. Product Verification: Delivery slip for each material shipment, including carpet and infill material.
- D. Warranties: Product and maintenance warranties must be provided to owner prior to installation.

- E. Field test inspection reports and samples for material including Impact Attenuation, Permeability, and Flammability Field test inspection reports and samples for material including Impact
- F. Product Substitution Submittals: Contractor shall provide the following material for playground grass material substitution.
  - a. At least one project in excess of 5,000 square feet and completed in the two (2) years.
  - b. Two 1'x1' product samples.
  - c. Product warrantee and guarantee from manufacture warranting against all defects for an 8 year period.
  - d. A written guarantee from manufacturer for workmanship.
  - e. Impact attenuation (per fall height requirements), permeability and flammability test results from independent approved and certified testing laboratories.
- G. Statement of Warranty for a minimum five-year period with detailed Warranty Claim requirements of the owner and specific procedures to be followed by the manufacturer in terms of response and repair of warranty claims.

## 1.5 QUALITY ASSURANCE

- A. Installer Qualifications: The installation of the poured-in-place product shall be completed by Manufacturer Certified Contractors or by direct employees of the Manufacturer's Installation Division. Installer Qualifications: Insurance Requirements - All bidders must carry minimum insurance of:
  - a) \$1,000,000 General Liability Per Occurrence
  - b) \$2,000,000 General Aggregate
  - c) \$2,000,000 Products Completed Operations
  - d) \$5,000,000 Excess Liability
  - e) \$1,000,000 Workers Comp. & Employers Liability
  - f) \$1,000,000 Automobile Liability (any Auto)
- A. Manufacturer Qualifications: Manufacturer shall have manufactured and installed playground poured-in-place surfacing systems for a minimum of 8 years and meet ASTM F 1292-99 Test Criteria.
- B. Standards and Guidelines: Provide playground equipment and resilient surfacing complying with or exceeding requirements in the following:
  - 1. CPSC No. 325, "Handbook for Public Playground Safety."
  - 2. UV Stable
- C. Mock-up: After initial color mix is selected, provide a 5x5' mock-up of the playground surface for review and approval prior to the installation within the project. Coordinate with Landscape Architect for review at least 1 week prior to installation.
- A. Test Results
  - 1. Impact Attenuation - ASTM F 1292: Surfacing within playground equipment use zones shall meet or exceed the performance requirements of CPSC, ASTM F 1292 and/or CSA Z614-98 that a surface yield both a peak deceleration of no more than 200 g's and a Head Injury Criteria (HIC) value of no more than 1,000 for a head-first fall from the highest accessible portion of play equipment being installed as shown on drawings. Manufactured Safety Surface: For surfaces manufactured for the purpose of playground safety surface, the impact attenuation

performance shall be documented by a certificate of compliance provided by third party at Owner or contractor's expense.

2. Coefficient of Friction - ASTM D2047: All products must meet minimum standard on coefficient of friction of 0.78-wet, 0.93-dry.

3. Surface Frictional Properties & Skid Resistance – ASTM E303: All products shall meet or exceed 90 BPN when tested Dry and 64 BPN when tested wet.

4. Permeability: Product shall meet or exceed a coefficient of permeability of seven (7) feet per minute.

5. Flammability of Finished Floor Cover - ASTM D2859: Product shall pass flammability.

6. Accessibility of Surface Systems – ASTM F1951: All playground surfacing products must pass testing to ensure wheelchair access under and around playground equipment as required by the American Disabilities Act.

7. Tear Strength – ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic: Tear Resistance must be equal to or greater than 12 pounds per inch.

8. Tensile Strength – ASTM D412 Standard Test Methods for Vulcanized Rubber Elastomers and Thermoplastic Elastomers: Tensile Strength must be equal to or greater than 80 Psi.

9. IPEMA Certification Required: "In the Interest of playground safety, the International Play Equipment Manufacturers Association (IPEMA) provides a Third Party Certification Service whereby a designated independent laboratory, TÜV SÜD America Inc., (TÜV), validates a surfacing manufacturer's certification of conformance to ASTM F1292, Standard Specification for Impact Attenuation Under and Around Playground Equipment, and for an engineered wood fiber manufacturer its certification of conformance, also to ASTM F2075, Standard Specification for Engineered Wood Fiber for use as a Playground Safety Surface Under and Around Playground Equipment, and Section 4.4, for testing Sieve Analysis and Section 4.6, for testing the presence of Tramp Metal. A list of current validated products, their thickness and critical height may be viewed at [www.ipema.org](http://www.ipema.org)."

## 1.6 COORDINATION

A. Coordinate construction of equipment use zones and fall heights during installation of playground equipment with installation of resilient surfacing specified herein. Sequence work so resilient surfacing can be installed immediately after equipment installation is complete.

B. Concrete footings have been identified in the Division 11- "Playground Equipment" specification as held 12" below finished grade within all protective play surfacing conditions. Account for any related impacts on overall footing depth and quantity of surfacing material to achieve CPSC guidelines.

## PART 2 - PRODUCTS

### 2.1 PRODUCTS



- A. Products: Subject to compliance with requirements, provide CPSC-compliant surfacing systems as indicated in the Drawings.
  - 1. Open areas of Engineered Wood Fiber primarily in and around the play equipment.
  - 2. ADA accessible routes. Bonded Rubber or Poured-in-Place routes are acceptable (Contractor's Option).
  
- B. Manufacturer: Subject to compliance with requirements, provide ADA-compliant rubber resilient surfacing products by the following manufacturers, or approved equal prior to bidding.
  - 1. Flex Ground (Recreation InSites), Fishers, IN (317) 201-7056.
  - 2. No Fault (PlayPros), Kokomo, IN, (317) 625-1489 and (317) 292-7066.
  - 3. Pro-Techs Surfacing LLC, Sharon Center, OH (330)-576-6058.
  - 4. Fibar Playground Surfaces, Email: [Info@fibar.com](mailto:Info@fibar.com) Toll Free (800) 342-2721.
  - 5. Or approved equal 7 days prior to bidding.
  
- C. Colors: As selected by Landscape Architect from manufacturer's full range for Poured-in-Place applications.

## 2.2 POURED-IN-PLACE RESILIENT MATERIALS

- A. Description: A dual durometer poured-in-place system with a wearing layer upper membrane and an underlying impact attenuation cushion layer. The finished surface shall be porous and capable of being installed at varying thickness to comply with Critical Fall Height requirements of playground equipment installed in conjunction with the surface, free of chemicals or stains that might be toxic to users or able to transfer onto clothing or shoes.
  
- B. Materials: The resilient surface system shall be manufactured from EPDM and SBR rubber compounds mixed with a 100% MDI based Polyurethane Resin. Polyurethane containing any TDI shall not be allowed due to environmental regulations.
  
- C. Polyurethane Binder:
  - 1. Binder for safety surfacing shall be specifically designed for use with rubber granule material for outdoor installations.
  - 2. Binder is a single component polyurethane pre-polymer formulated using a polymeric foam of Diphenylmethane 4, 4' Diisocyanate (MDI), Amber Viscosity – 4500cps, NCO content – 9.0, Density – 20dc-68, PCF Flash Point - >390dF, Elongation – 550%, Tensile – 3900 lb./sq. in.
  - 3. No toluene diphenel isocyanate (TDI) shall be used.
  - 4. No filler materials shall be used in urethane such as plasticizers and the catalyzing agent shall contain no heavy metals.
  - 5. Weight of polyurethane shall be no less than 8.5 lbs/gal (1.02 Kg/1) and no more than 9.5 lbs/gal (1.14 Kg/1)
  - 6. COLOR TINTED BINDER WILL NOT BE ALLOWED
  
- D. Cushion Course shall be a mixture of shredded rubber particles of heterogeneous distribution bonded by a polyurethane binder applied to 100% of the rubber and installed to a designated thickness as required by the Consumer Product Safety's Commission's Guidelines and ASTM F 1292-99 Test Criteria.
  
- E. Wearing Surface shall be solid colored EPDM 1-3 MM peroxide cured granules bonded by a Aliphatic polyurethane binder applied to 100% of the granules and applied to a minimum

thickness of 1/2" over the cushion layer. Color choice and blend ratios selected by the Landscape Architect.

1. EPDM particles shall meet requirements of ASTM D 412 and CSA Z614-98 for tensile strength and elongation; and ASTM D 2240 (Shore A) hardness of 55-65, not less than 26 percent rubber hydrocarbons.
2. EPDM shall be peroxide cured with an EPDM content of 26% and shall include a processing aid to prevent hardness with 26% poly content to maintain dynamic testing characteristics, weatherization and UV stability.
3. Size of rubber particles shall be not less than 1.00 mm, or greater than 3.0 mm across with a minimum EPDM content of 25% by weight and certified letter from Manufacturer stating this content. All rubber shall remain consistent in gradation and size.

F. EXECUTION

2.3 PREPARATION

- A. The sub-base of the entire area to be surfaced shall be cleared of any foreign materials and treated with sterilizing spray products to completely eliminate growth of grass, weeds, etc.
- B. Protect all adjacent trees, equipment, pavement and wall surfaces from damage during surfacing installation.

2.4 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions, unless more stringent requirements are indicated.
  1. Maximum Equipment Height: Coordinate installed heights of equipment and components with installation of resilient surfacing.
- B. Excavate area to dimensions and depth as indicated in the Drawings. Confirm use zone for each play structure with manufacturer's coordination drawings.
- C. The native sub-base shall be graded to allow for proper drainage that will prevent sub-base erosion.
- D. The native sub-base shall be compacted to a 95% rating.
- E. Carefully coordinate the finished grade of the subbase as it relates to the required fall height above. The Contractor will be accountable for achieving all required safety criteria.
- F. All sides of playground surfacing shall be bound by concrete curb or slab. Curbing shall be set at an acceptable grade level to permit proper drainage. Field coordinate as required.
- G. Crushed Stone Base: Installation of a minimum six (6) inch layer of crushed stone compacted to 95% rating with a 1% slope toward the nearest subgrade underdrain. Compaction shall be completed in two (2) lifts.
- H. Separation Fabric: A non-woven geotextile fabric shall be applied over the compacted and graded stone sub-base. The application of the poured in-place system shall be applied over the geotextile membrane.

- I. The system installer shall inspect the above work prior to installation of resilient surfacing materials.
- J. Resilient Surface System: Install in strict accordance with manufacturer's instructions, approved shop drawings and submittals, complying with critical fall height requirements. Carefully coordinate depths with the General Contractor to ensure the proper quantity of material is understood.

#### 2.5 FIELD QUALITY CONTROL

- A. Arrange for manufacturer's technical personnel to inspect playground surfacing during installation and at final completion and to certify compliance with the following applicable standards.
  - 1. CPSC No. 325, "Handbook for Public Playground Safety."
  - 2. ASTM F 1487.
- B. Notify Landscape Architect and Owner 48 hours in advance of date and time of final inspection.

#### 2.6 CLEANING

- A. After completing surface installation, inspect the entire area. Remove debris and repair or replace effective materials.

END OF SECTION



**May 24, 2023**

RLTurner  
Brad Whitaker  
1000 West Oak St.  
Zionsville, IN 46077  
(delivered via email [bwhitaker@rlturner.com](mailto:bwhitaker@rlturner.com))

Re: Prj: Town of McCordsville Old School Park  
Add: 6030 W CR 750 N,  
McCordsville, IN 46055

Dear Mr. Whitaker:

Thank you for your comments of May 21, 2024. We appreciate the time and attention put into the review of this project.

Please see the comment responses below with respect to the review from your office.

1. I noticed the front end documents list the Index Division 0 Bidding and Contract Requirements, sections 00110, 00400, and 00410 are missing from the project manual. I am especially looking for retainage and insurance requirements for the job. Please provide.  
*Response: Sections 00110a, 00110b, 00400, 00400a, and 00410 will be provided in Addendum #2.*
2. I understand the Open Air Shelter and Pre-Fabricated Restroom Bldg is Owner Furnished but is that vendor also providing the foundations that spec section 01100 indicates and if not the contractor needs a preliminary foundation design for bases of bidding and installation.  
*Response: Base information is attached for the Open Air Shelter. This shows the preliminary footings and the final concrete slab. GC could also choose to install the structure. This information will be incorporated into the plan set in Addendum #2.*  
*Restroom building drawings will be issued as part of Addendum #2.*
3. Spec section 321816 references a Base Bid and Alternate Bid Item however the Bid Form doesn't reflect an Alternate for this work. Is there are Alternate for protective play surfacing?  
*Response: We have issued a new spec for Poured-In-Place Surfacing.*
4. Alternate #2 is an Add for expedited completion date. Is Alternate #2 for the entire project or just to expedite the park work only?



*Response: It is for the entire project.*

5. Is the contractor to carry the cost for Builders Risk and if so, the contractor needs to know the Value of the Owner Furnished equipment?

*Response: \$300,000 is the current budget for Owner Furnished Equipment*

6. Who is paying for material testing on the project, Owner or Contractor?

*Response:*

7. Alternate #2 is for an early start and early finish, however is the Owner Furnished Equipment delivery able to meet this Alternate completion date?

*Response: If equipment is ordered in the next two weeks, it is possible to have it delivered by mid-September.*

8. Is it expected to secure the park area with temporary fencing?

*Response: Yes.*

9. Does the Owner have a location to accept project spoils or excess topsoil that the contractor can utilize at no cost?

*Response: Due to the floodplain with the site and future master plan, there are limited areas onsite for topsoil(s).*

10. Drawing L101 indicates the Playground Equipment is Owner Furnished and Contractor Installed however spec section 116800 indicates the Owner Supplied Playground Equipment is being installed by the Owner's equipment supplier, please conform who is installing the Owner Furnished Playground Equipment?

*Response: Contractor should install Owner Furnished Equipment.*

11. Is all the PIP one color as the Materials Plan doesn't reflect different PIP colors being used?

*Response: L430 has been issued to clarify this.*

12. Drawing L600 has three different "Contraction Joint" details, which are we using as each has a different labor price associated?

*Response: Sawn Joints are preferred.*

13. The existing school monument appears to be brick and limestone that is falling apart. Is it the intent to disassemble and reassemble the masonry to the relocated position? Does the masonry need to be laid on a concrete base? Details of this relocation are missing.

*Response: This information will be issued with Addendum #2.*



14. When is the last day for bidder questions?

*Response: Last day for bidder questions is Tuesday May 28<sup>th</sup> at 1 pm. Addendum #2 will be issued by 1 pm on Thursday May 30<sup>th</sup>.*

Thank you for our time and assistance with this review.

Please do not hesitate to reach out to us with any comments, concerns, or questions.

Best regards,

**Veridus Group, Inc.**

Gonzalo Castro Diaz, PE, DBIA

SPECIFICATIONS:

OPEN TIMBER TRUSS GABLES

**MATERIAL AND QUALITY ASSURANCE.** Structural glue laminated timber shall be in conformance with AITC Standard (latest edition).  
 Species: Laminating lumber shall be kiln-dried, architectural grade, sealed and wrapped. The roof system for wood structures and buildings are designed to withstand 30 PSF live load and 20 PSF wind load. Please check local codes. For heavier load requirements, please consult with Cedar Forest Products Company. The standard roof slope shall be 4/12.

LAMINATED SUPPORT COLUMNS

**MATERIAL AND QUALITY ASSURANCE.** Structural glue laminated timber shall be in conformance with AITC (latest edition). Species: Laminating lumber shall be kiln-dried Port Orford Cedar, architectural appearance grade. Laminated columns shall be sized to suit loading requirements. Manufacturers shall furnish connection steel and hardware for joining structural glue laminated timber members to their supports, exclusive of anchorage and embedment in masonry or concrete (anchor bolts are not furnished).

CONNECTOR PLATES

Plates shall be fabricated from structural steel ASTM-A-36.  
 Plates to be Powder Coated Black.  
 Hardware: A-325 zinc plated machine bolts and nuts.

ROOF DECKING

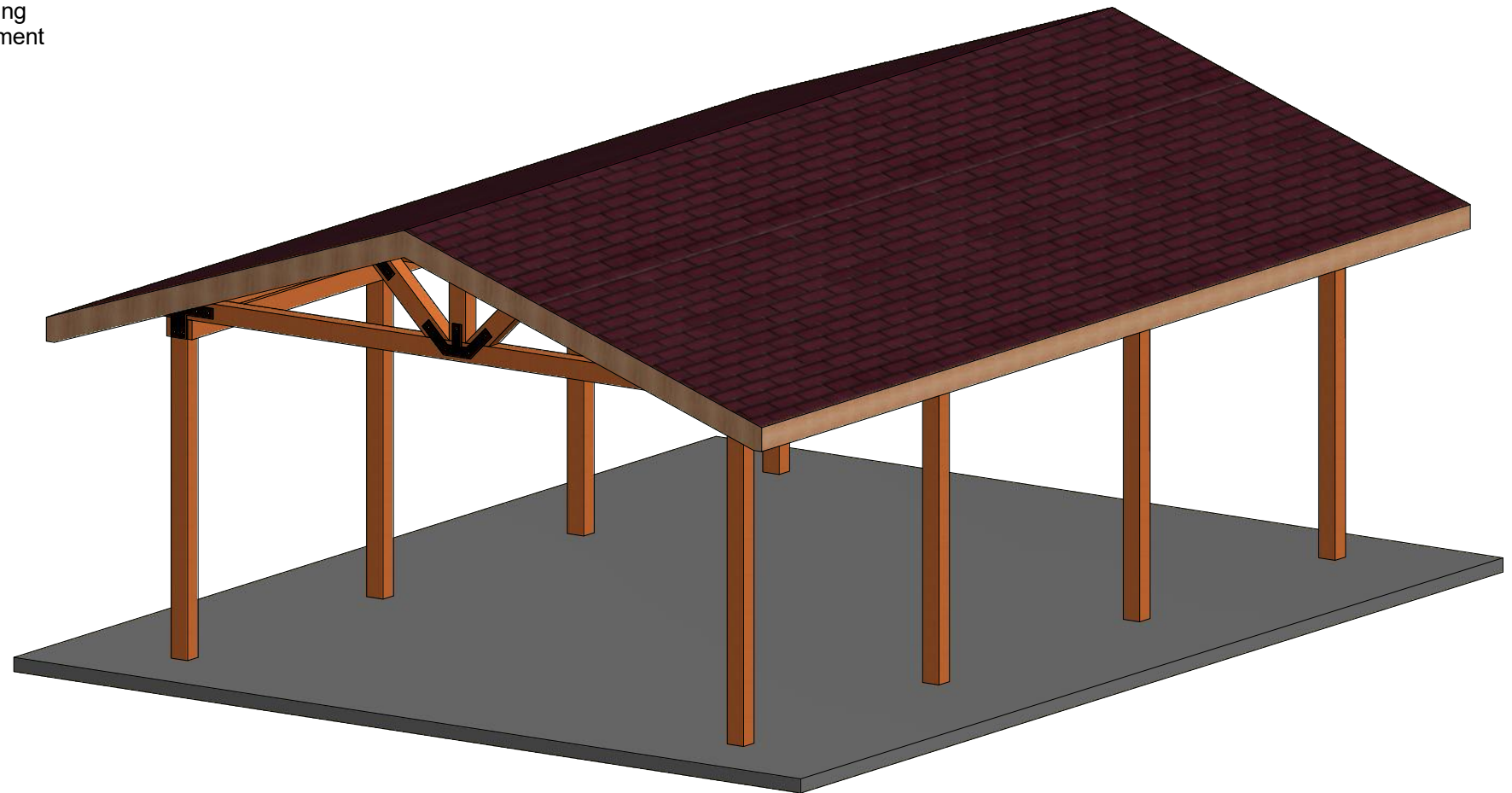
2" x 6" (nominal), #1 grade, single tongue and groove with V-joint on bottom face, kiln dried southern yellow pine, maximum moisture content shall be 19% or less selected for decking. Specified lengths, with all joints over supports.

SHINGLES

Class "A" fire rated, architectural grade, laminated fiberglass shingle with a 30 year limited warranty. To be installed, over 30 lb. felt.  
 Roof application as per manufacturer's specifications.  
 Color to be approved by owner/design professional.

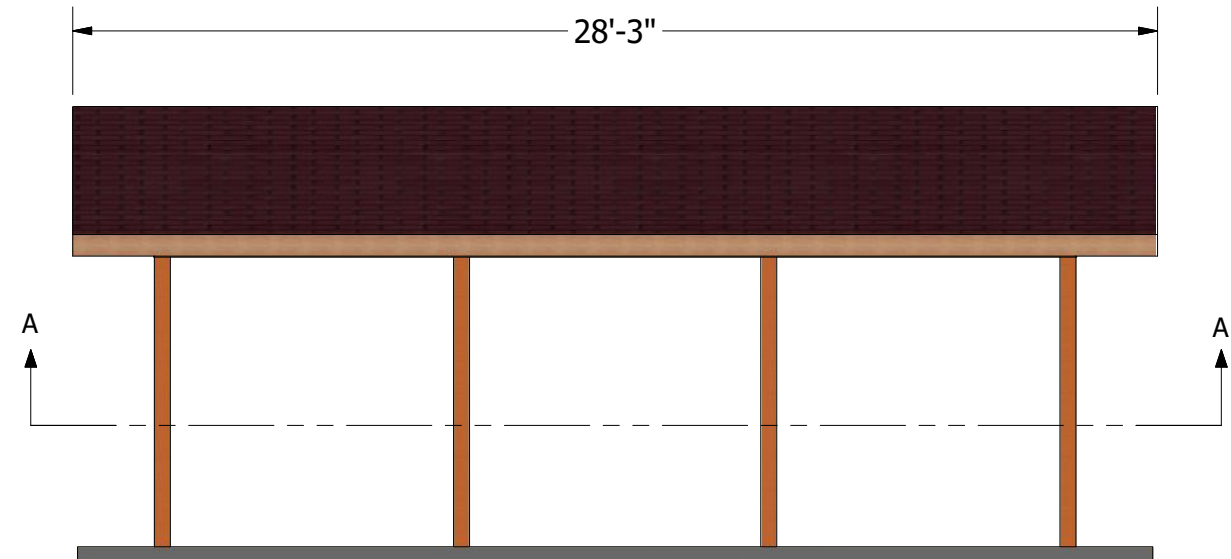
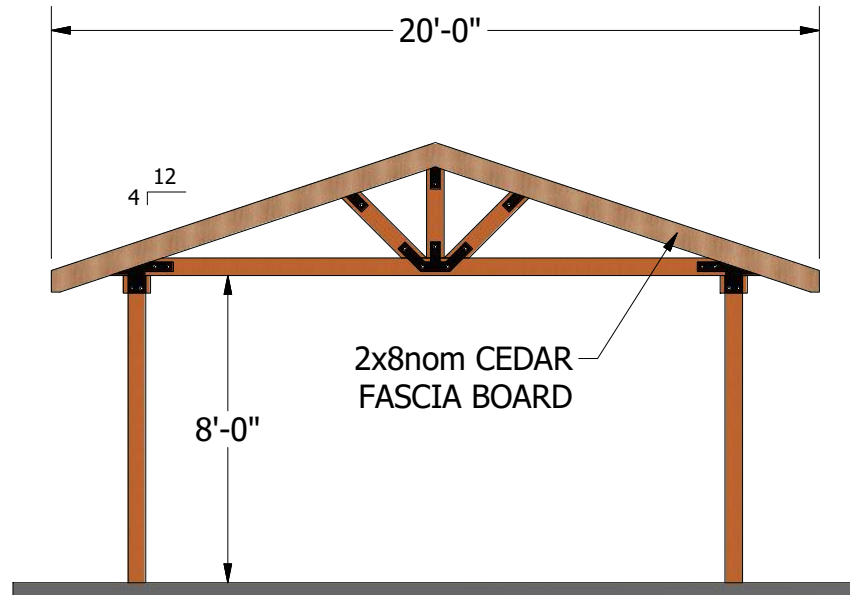
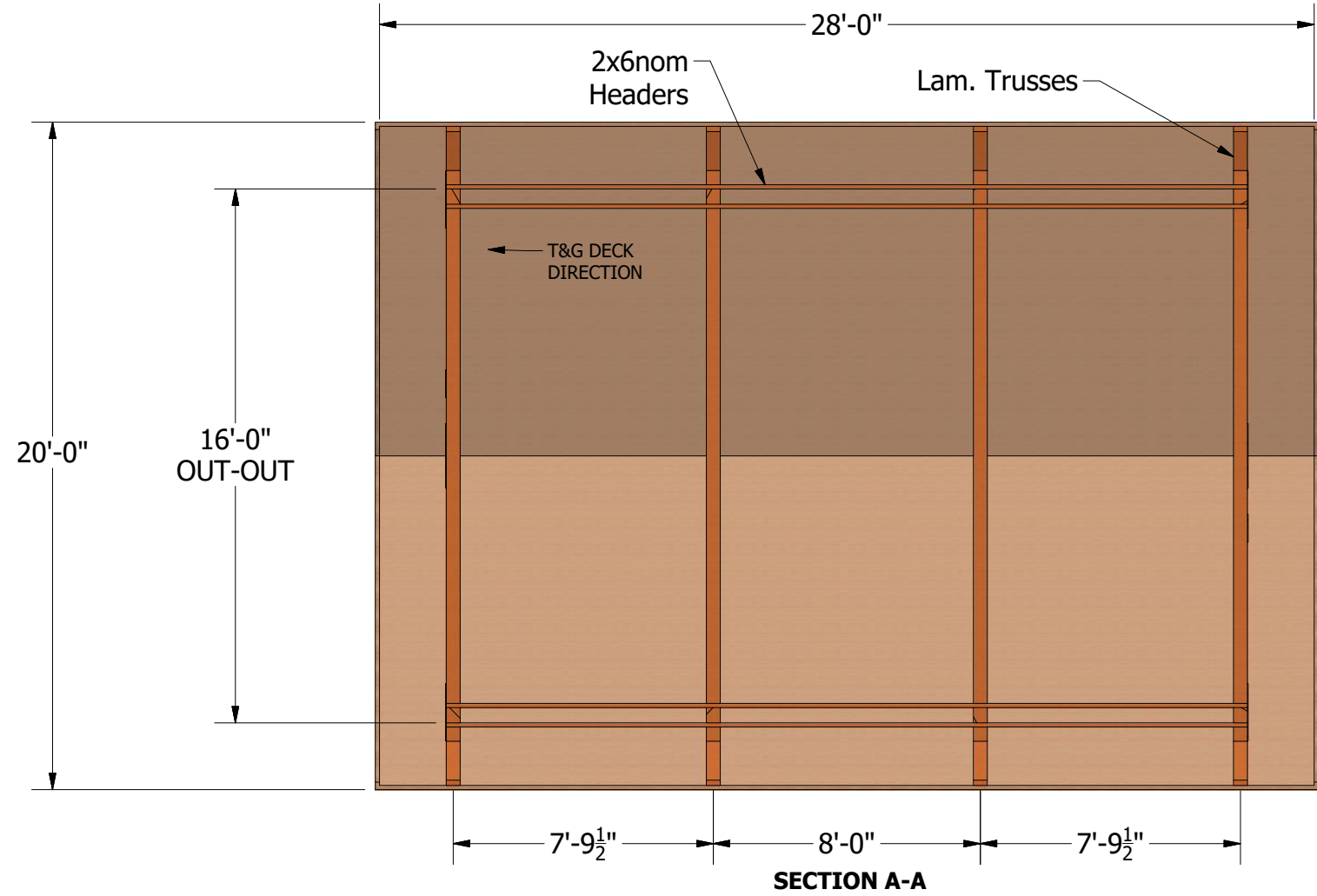
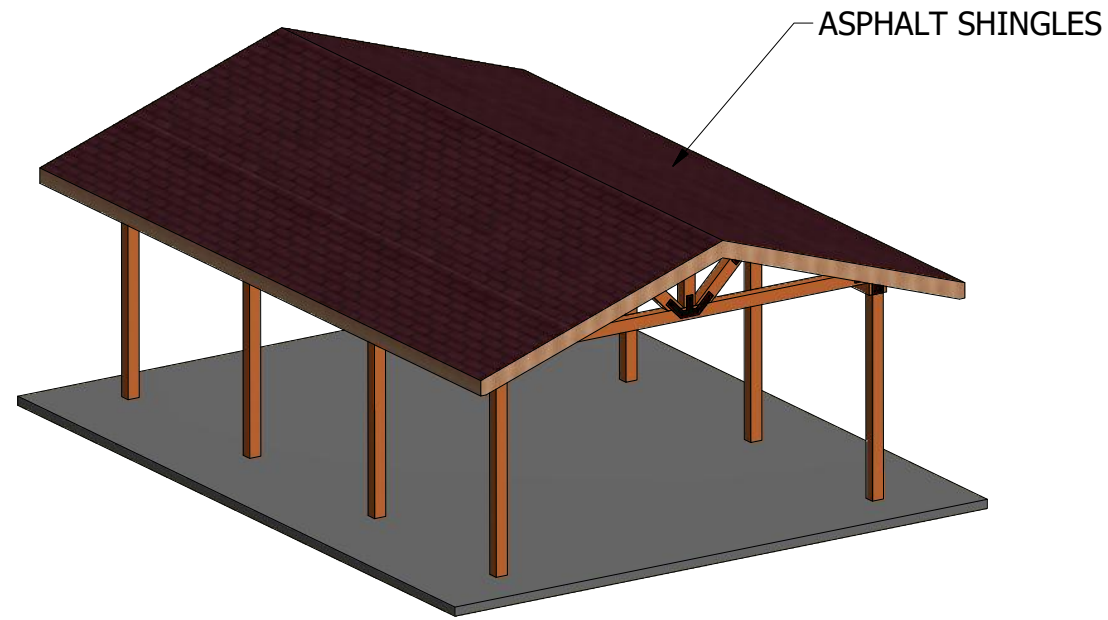
FASCIA

2x8nom A.Y.Cedar, "D"/ Better Grade, kiln-dried, Surfaced on Four Sides.



| DESCRIPTION:            | MODEL #: | DATE:     | JES DESIGN #: | REV: |
|-------------------------|----------|-----------|---------------|------|
| 20x28 Open Timber Truss | OTT2028  | 1/16/2019 | OTT-STNRD     | 0    |





**PRELIMINARY LAYOUT**  
**NOT FOR CONSTRUCTION**

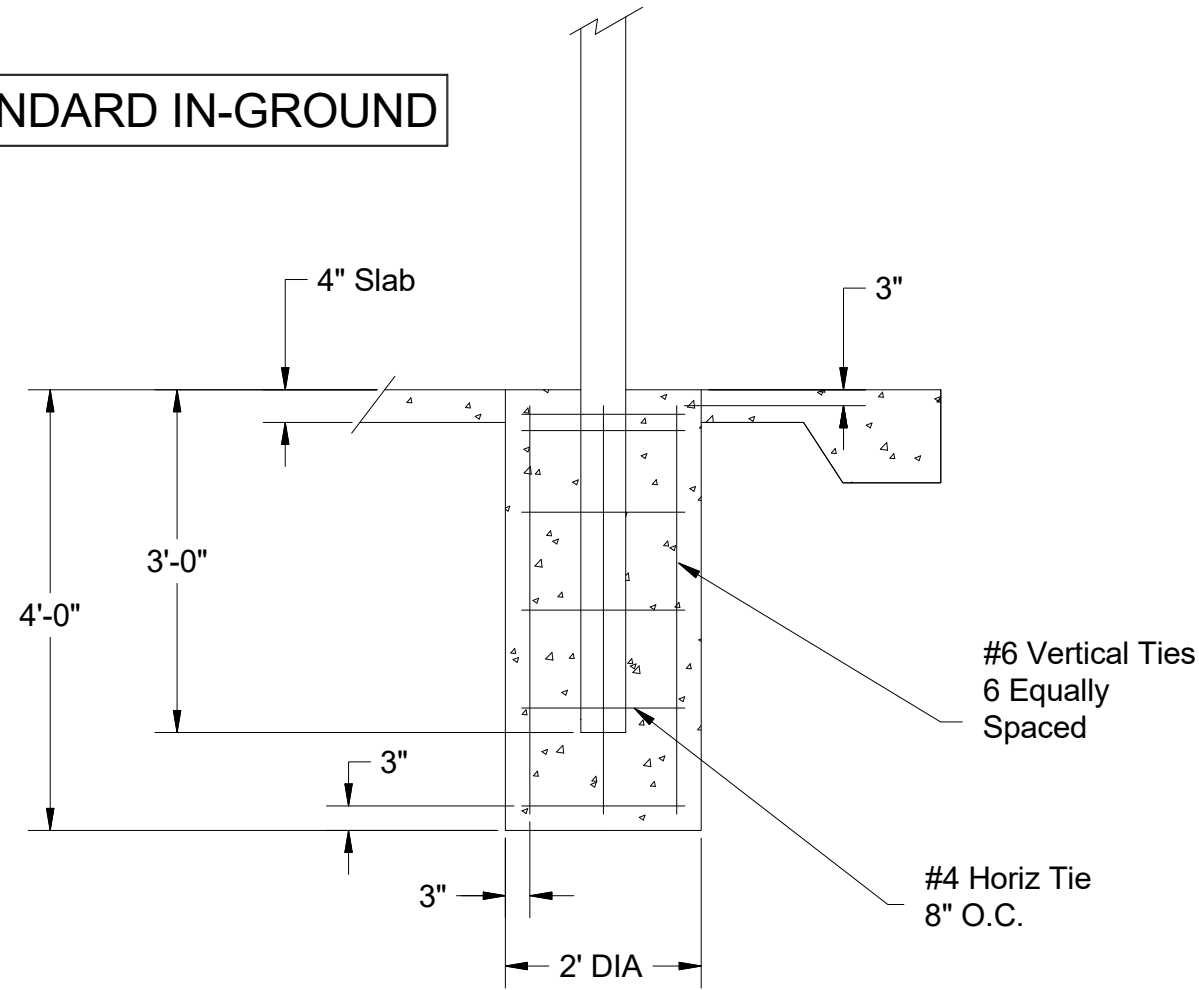


P.O. BOX 145  
 WEST OLIVE, MI 49460  
 800-552-9495  
 WWW.CEDARFORESTPRODUCTS.COM

| DESCRIPTION:            | MODEL #: | DATE:     | JES DESIGN #: | REV: |
|-------------------------|----------|-----------|---------------|------|
| 20x28 Open Timber Truss | OTT2028  | 1/16/2019 | OTT-STNRD     | 0    |

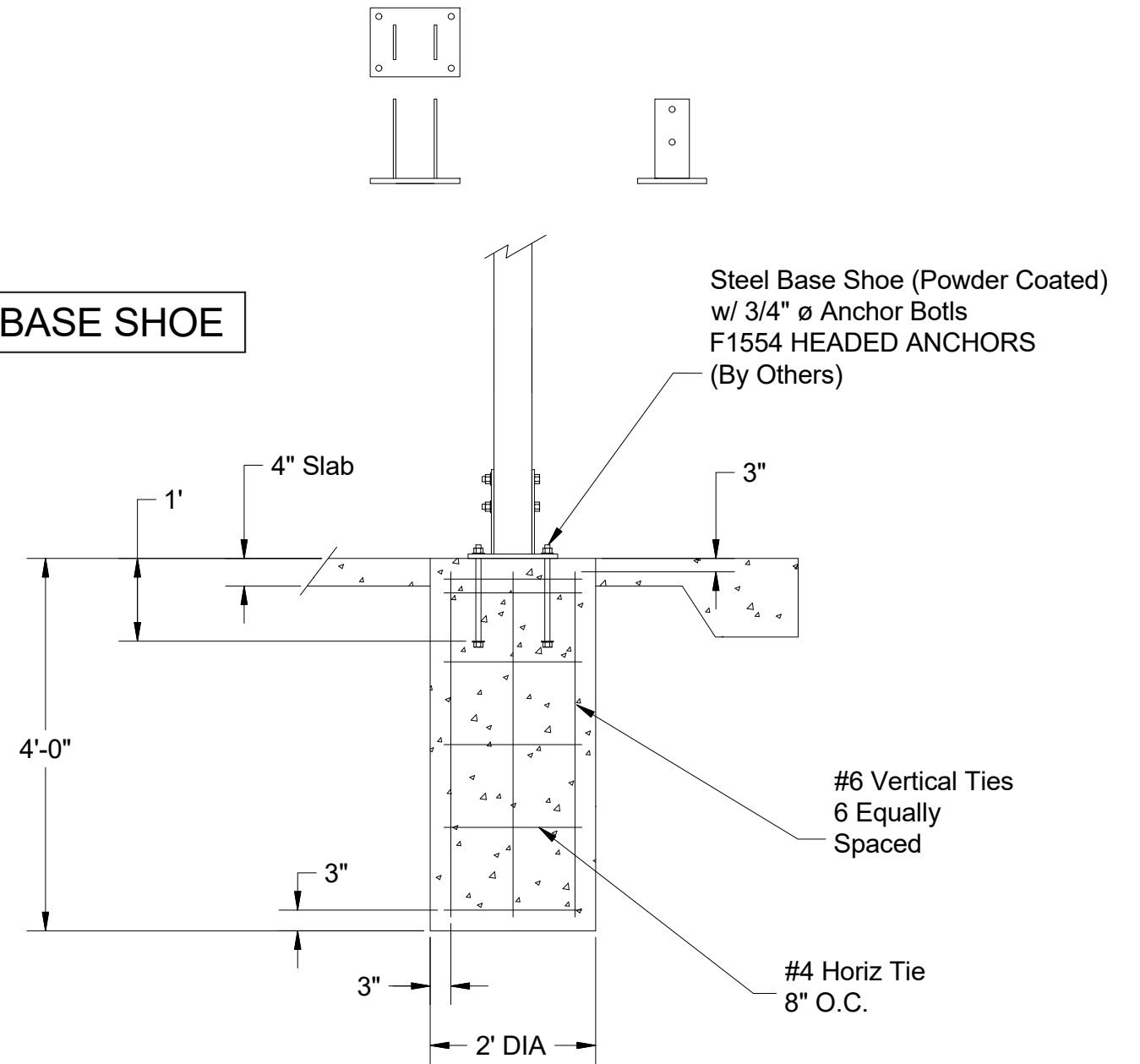


**STANDARD IN-GROUND**



Column/Footing Detail  
Final Size TBD  
Concrete Pier By Others

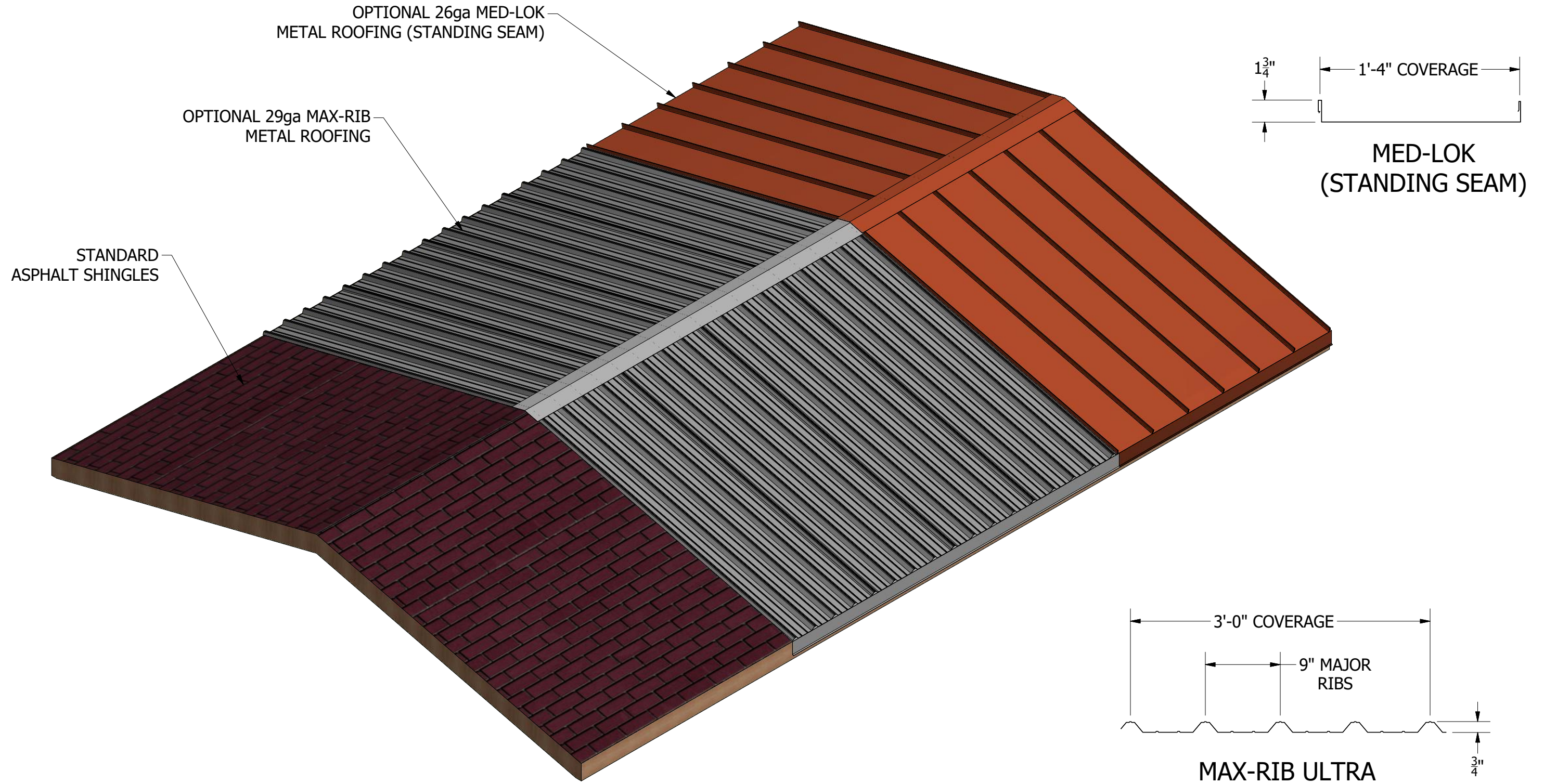
**OPTIONAL BASE SHOE**



Column/Footing Detail  
Final Size TBD  
Concrete Pier By Others

**PRELIMINARY LAYOUT**  
**NOT FOR CONSTRUCTION**

| DESCRIPTION:            | MODEL #: | DATE:     | JES DESIGN #: | REV: |
|-------------------------|----------|-----------|---------------|------|
| 20x28 Open Timber Truss | OTT2028  | 1/16/2019 | OTT-STNRD     | 0    |



**PRELIMINARY LAYOUT**  
**NOT FOR CONSTRUCTION**



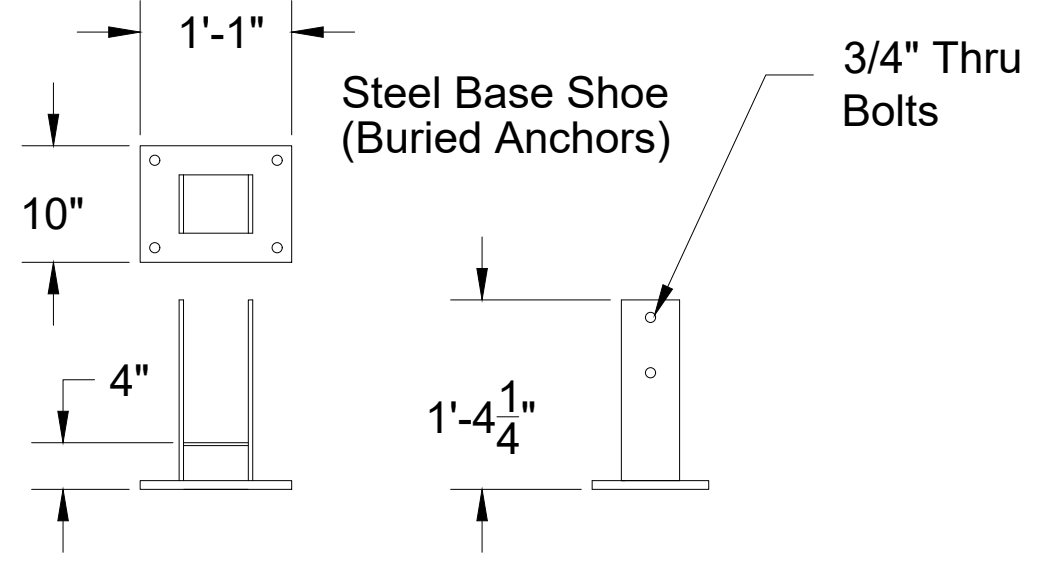
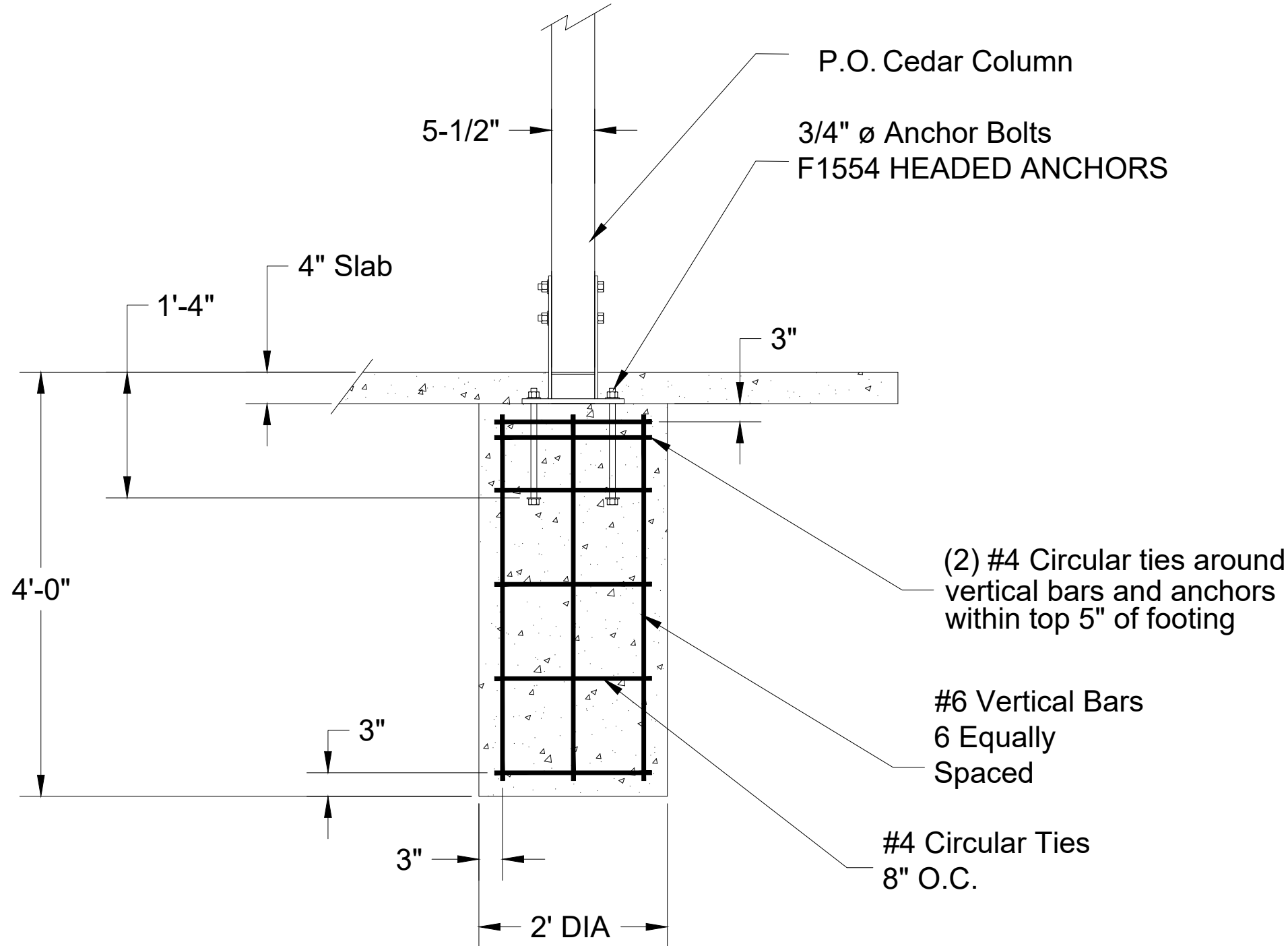
P.O. BOX 145  
 WEST OLIVE, MI 49460  
 800-552-9495  
 WWW.CEDARFORESTPRODUCTS.COM

|   |                     |                    |                            |           |
|---|---------------------|--------------------|----------------------------|-----------|
| DESCRIPTION:<br>20x28 Open Timber Truss | MODEL #:<br>OTT2028 | DATE:<br>1/16/2019 | JES DESIGN #:<br>OTT-STNRD | REV:<br>0 |
|---|---------------------|--------------------|----------------------------|-----------|

# Column/Footing Detail

## Final Size TBD

### Concrete Pier By Others



(2) #4 Circular ties around vertical bars and anchors within top 5" of footing

#6 Vertical Bars  
6 Equally Spaced

#4 Circular Ties  
8" O.C.

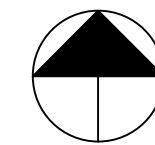


# OLD SCHOOL PARK TOWN OF MCCORDSVILLE, IN

BID DOCUMENTS  
6030 W CR 750 N  
MCCORDSVILLE, IN 46055



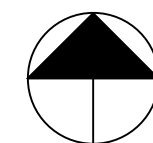
LOCATION MAP



Project Site



VICINITY MAP



Project Site

| Sheet List Table                         |                                       |
|--|---------------------------------------|
| Sheet Number                             | Sheet Title                           |
| C001                                     | TITLE SHEET                           |
| C100                                     | EXISTING TOPOGRAPHY                   |
| C110                                     | DEMOLITION PLAN                       |
| C300                                     | GRADING PLAN                          |
| C400                                     | UTILITY PLAN                          |
| C400.1                                   | UTILITY PLAN ALT2                     |
| C450                                     | UTILITY DETAILS                       |
| C500                                     | EROSION CONTROL PLAN                  |
| C550                                     | EROSION CONTROL DETAILS               |
| C590                                     | STORM WATER POLLUTION PROTECTION PLAN |
|  | TOWN OF MCCORDSVILLE STANDARDS        |
| L010                                     | TREE PRESERVATION PLAN                |
| L101                                     | MATERIALS PLAN                        |
| L201                                     | LAYOUT PLAN                           |
| L202                                     | JOINTING PLAN                         |
| L203                                     | PLAYGROUND EQUIPMENT PLAN             |
| L401                                     | PLANTING PLAN                         |
| L410                                     | PLANTING DETAILS                      |
| L600                                     | SITE DETAILS                          |
| L601                                     | SITE DETAILS                          |
| E000                                     | SYMBOLS AND ABBREV.                   |
| E101                                     | SITE ELECTRICAL PLAN                  |
| E501                                     | ELECTRICAL DETAILS                    |
| E601                                     | ELECTRICAL SCHEDULES                  |
| HANNA STREET DRAINAGE IMPROVEMENTS PLANS |                                       |



**PROJECT DESCRIPTION**

RENOVATIONS TO OLD SCHOOL PARK, INCLUDING:  

- UPDATED PLAY AREA
- NEW BASKET BALL COURT
- PARKING ALONG HANNA STREET

**LAND DESCRIPTION**

FROM GIS:  
 SEC 26 T2N 17N R10E SE  
 PARCEL #: 30-01-26-103-025.000-018

**CONTACT INFORMATION**

Owner: Town of McCordsville  
 6280 W 800 N  
 McCordsville, IN 46055  
 (317) 335-3604

Contractor: TBD

Civil Engineer: Gonzalo Castro Diaz, P.E.  
 Veridus Group  
 6280 N. Shadeland Ave.  
 Indianapolis, IN 46220  
 (317) 598-6647

Landscape Architect: Liz Mooney, PLA, LEED AP, CPSI  
 Context Design  
 5825 Lawton Loop East Drive  
 Indianapolis, IN 46216  
 (317) 485-6900

**UTILITY STATEMENT**

The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

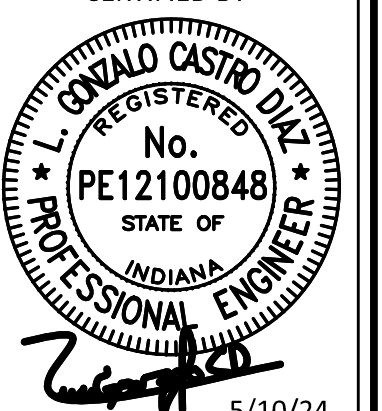
| REVISIONS |           |             |
|-----------|-----------|-------------|
| NO.       | DATE      | DESCRIPTION |
| 1         | 5/22/2024 | ADDENDUM 1  |
|           |           |             |
|           |           |             |
|           |           |             |
|           |           |             |

ISSUE DATE: 5/10/24  
 DRAWN BY: CAR  
 CHECKED BY: GCD

DRAWING TITLE

TITLE SHEET

CERTIFIED BY



5/10/24

PROJECT NUMBER  
2023.0194

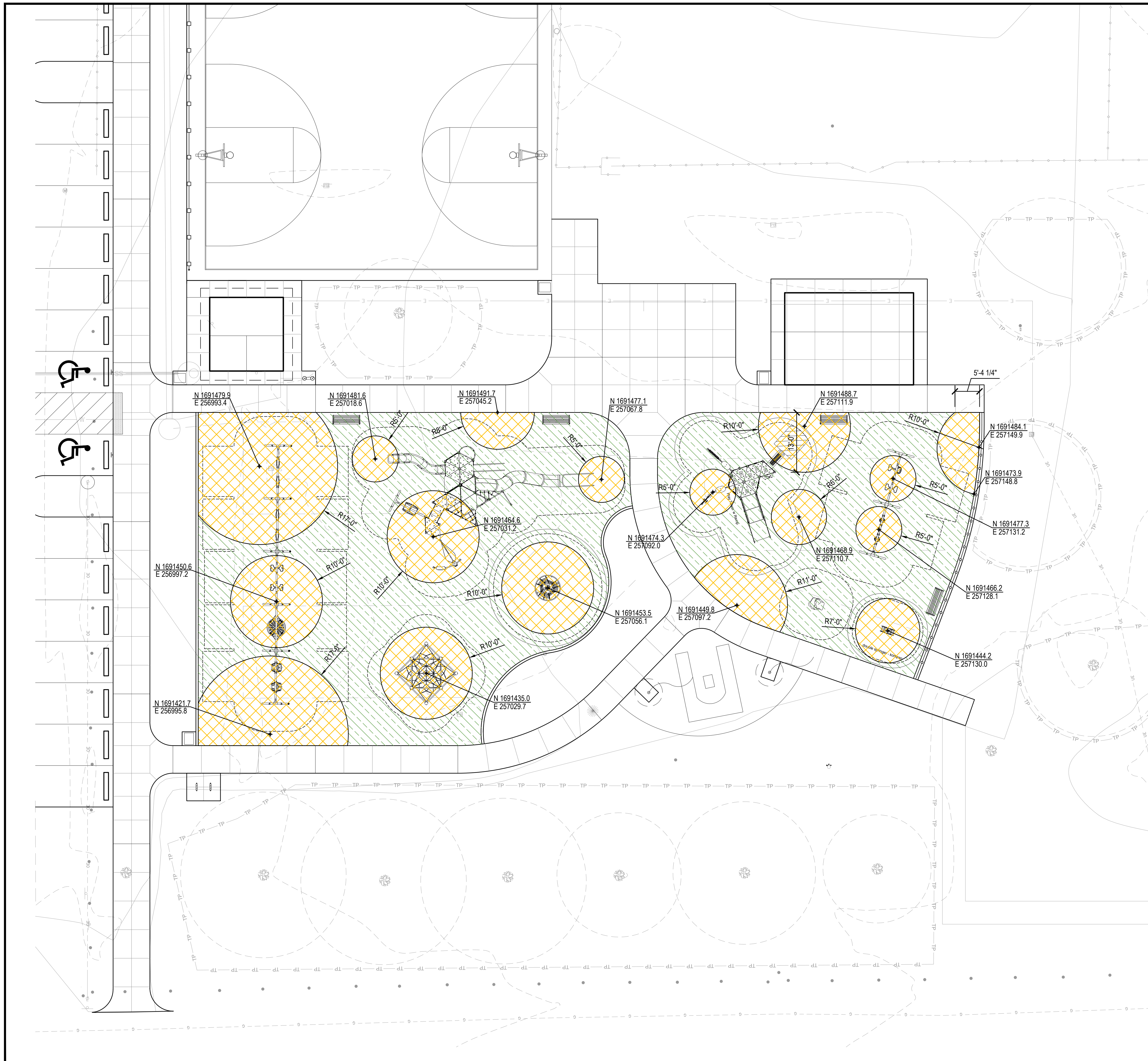
DRAWING NUMBER

C001











### PLAY SURFACING LEGEND

 Poured In Place Playsurfacing, Refer to Detail 1/L602  
 Mix 1 - Color Green  
 70% - Bright Green  
 30% - Beige

 Poured In Place Playsurfacing, Refer to Detail 1/L602  
 Mix 2 - Color Tan  
 70% - Brown  
 30% - Beige

### LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be requested by the Fire Marshal.
6. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.



5825 Lawton Loop E. Dr. | Indianapolis, IN 46216  
 317-485-6900 | www.context-design.com

Certified by



Bid Documents  
**OLD SCHOOL PARK - PHASE I**  
 McCordsville, Indiana  
 Playground Surfacing Plan

| Revision | Date       | Description |
|----------|------------|-------------|
| 1        | 05-24-2024 | Addendum #1 |

Date: 2024-05-10  
 Project No: 24-1727  
 Drawn by: DC  
 Checked by: LM

These Drawings and Specifications, and all copies thereof are and shall remain the property and copyright of the Landscape Architect. They shall not be used on any other Project or Work without prior written permission from the Landscape Architect.

Sheet No:  
**L430**



| FIRE ALARM COMM IDENTITY SYMBOLS |  |
|----------------------------------|--|
|                                  | FIRE FIGHTER'S PHONE   |
|                                  | FIRE ALARM ANNUCIATOR PANEL  |
|                                  | FIRE ALARM CONTROL PANEL   |
|                                  | BATTERY PACK AND CHARGER   |
|                                  | INDIVIDUALLY ADDRESSABLE MODULE-MONITOR (PROVIDES ADDRESS FOR CONTACT) |
|                                  | INDIVIDUALLY ADDRESSABLE MODULE-RELAY (PROVIDES CONTACT CLOSURE)       |

| FIRE ALARM IDENTITY SYMBOLS |  |
|-----------------------------|--|
|                             | CONTROL RELAY  |
|                             | DOOR HOLDER WITH RELAY                                     |
|                             | HORN AND STROBE  |
|                             | HORN UNIT ONLY   |
|                             | STROBE UNIT ONLY   |
|                             | EMERGENCY ADDRESS SPEAKER AND STROBE                       |
|                             | MANUAL PULL STATION  |
|                             | SMOKE DETECTOR   |
|                             | DUCT SMOKE DETECTOR W/ AUX CONTACTS                        |
|                             | REMOTE STATION FOR DUCT DETECTOR USED AT DUCT WORK OPENING |
|                             | ELEVATOR RECALL WITH AUXILIARY CONTACTS                    |
|                             | BEAM SMOKE DETECTOR, "R" = RECEIVER                        |
|                             | BEAM SMOKE DETECTOR, "S" = SENDING UNIT                    |
|                             | CARBON MONOXIDE DETECTOR, LINE VOLTAGE WITH BATTERY BACKUP |
|                             | FLAME DETECTOR   |
|                             | HEAT DETECTOR  |
|                             | HYDROGEN DETECTOR  |
|                             | FLOW SWITCH  |
|                             | TAMPER SWITCH  |
|                             | POST INDICATOR VALVE                                       |

| ELECTRICAL DIAGRAM SYMBOLS |   |
|----------------------------|---|
|                            | CAPACITOR   |
|                            | CIRCUIT BREAKER (OPEN), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE   |
|                            | CIRCUIT BREAKER (ENCLOSED), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE   |
|                            | PRIMARY DRAW OUT TYPE CIRCUIT BREAKER, "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE  |
|                            | LOW VOLTAGE DRAW OUT TYPE CIRCUIT BREAKER, "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE, "zza" INDICATES FUSE RATING                             |
|                            | LOW VOLTAGE DRAW OUT TYPE CIRCUIT BREAKER WITH CURRENT LIMITING FUSES, "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE, "zza" INDICATES FUSE RATING |
|                            | CONTACT NORMALLY OPEN (NO) ("TC"-WITH TIMED CLOSING)  |
|                            | CONTACT NORMALLY CLOSED (NC) ("TC"-WITH TIMED OPENING)  |
|                            | CURRENT TRANSFORMER CABINET   |
|                            | FUSED CUTOUTS, "zza" INDICATES FUSE RATING  |
|                            | DISCONNECT SWITCH UNFUSED   |
|                            | DISCONNECT SWITCH AIR BREAK WITH FUSE, "zza" INDICATES FUSED RATING   |
|                            | FUSE, "zza" INDICATES FUSED RATING  |
|                            | OVERLOAD RELAY  |
|                            | GROUNDING CONNECTION-SYSTEM AND/OR EQUIPMENT  |
|                            | KIRK KEY INTERLOCK SYSTEM   |
|                            | LIGHTNING ARRESTER AND GROUNDING TO PROTECT ALL PHASES  |
|                            | PANELBOARD  |
|                            | POTHEAD   |
|                            | STRESS CONE   |
|                            | RESISTOR  |
|                            | SHUNT TRIP  |
|                            | MOTOR, "HP" DESIGNATES HORSEPOWER   |
|                            | MAGNETIC STARTER WITH NEMA SIZE INDICATED   |
|                            | GROUND FAULT CIRCUIT INTERRUPTER, PERSONNEL PROTECTION  |
|                            | GENERATOR   |
|                            | TRANSFORMER, DRY TYPE, UNLESS OTHERWISE INDICATED   |
|                            | POTENTIAL TRANSFORMER, "3" INDICATES QUANTITY   |
|                            | CURRENT TRANSFORMER, "3" INDICATES QUANTITY, "400-5A" INDICATED RATIO   |
|                            | 3-PHASE, 3-WIRE DELTA CONNECTION  |
|                            | CORNER GROUNDED DELTA   |
|                            | 3-PHASE, 4-WIRE WYE CONNECTION (GROUNDED NEUTRAL)   |
|                            | VARIABLE FREQUENCY DRIVE  |
|                            | AUTOMATIC/MANUAL TRANSFER SWITCH, 4-POLE UON  |
|                            | SURGE PROTECTION DEVICE   |

| ROUGH-IN IDENTITY SYMBOLS |   |
|---------------------------|---|
|                           | DATA OUTLET                                 |
|                           | DATA OUTLET FLOOR TYPE                      |
|                           | VIDEO SURVEILLANCE CAMERA ROUGH-IN LOCATION |
|                           | DOORBELL/BUZZER/DOOR CHIME                  |
|                           | ELECTRIC DOOR STRIKE                        |
|                           | REQUEST TO EXIT                             |
|                           | CARD READER                                 |
|                           | SECURITY DOOR CONTACTS                      |
|                           | SECURITY KEYPAD                             |
|                           | SECURITY KEYPAD                             |

| DISTRIBUTION IDENTITY SYMBOLS |                             |
|-------------------------------|-----------------------------|
|                               | BRANCH PANEL, RECESSED      |
|                               | BRANCH PANEL, SURFACE       |
|                               | DISTRIBUTION PANEL          |
|                               | SWITCHGEAR SECTION          |
|                               | MOTOR CONTROL CENTER (MCC)  |
|                               | TRANSFORMER                 |
|                               | CURRENT TRANSFORMER CABINET |
|                               | METER                       |
|                               | GROUNDING ELECTRODE BUS BAR |

| SWITCH IDENTITY SYMBOLS |  |
|-------------------------|--|
|                         | SINGLE POLE SWITCH   |
|                         | "n" INDICATES SWITCH LEG   |
|                         | SWITCH 3-WAY   |
|                         | SWITCH 4-WAY   |
|                         | SINGLE POLE/DOUBLE THROW SWITCH  |
|                         | PILOT SWITCH TOGGLE  |
|                         | KEY OPERATED SWITCH  |
|                         | MOMENTARY CONTACT SWITCH   |
|                         | DIGITAL TIMER SWITCH   |
|                         | WEATHERPROOF SINGLE POLE SWITCH  |
|                         | DIMMER SWITCH  |
|                         | DUAL TECHNOLOGY OCCUPANCY SENSOR, WALL MOUNTED WITH OFF-AUTO OVERRIDE SWITCH |
|                         | DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED                            |

| POWER IDENTITY SYMBOLS |   |
|------------------------|---|
|                        | SINGLE CONVENIENCE RECEPTACLE   |
|                        | DUPLEX CONVENIENCE RECEPTACLE, 20A 125V, WALL MOUNT DEVICE                      |
|                        | DOUBLE DUPLEX CONVENIENCE RECEPTACLE  |
|                        | DUPLEX RECEPTACLE, 20A 125V, HORIZONTAL WALL MOUNT DEVICE                       |
|                        | GFCI DUPLEX CONVENIENCE RECEPTACLE, 20A 125V, WALL MOUNT DEVICE                 |
|                        | GFCI DOUBLE DUPLEX CONVENIENCE RECEPTACLE                                       |
|                        | SLASH INDICATED DEVICE TO BE INSTALLED ABOVE COUNTER OR COUNTER BACKSPLASH      |
|                        | SPECIAL RECEPTACLE  |
|                        | CLOCK HANGER OUTLET RECESSED MOUNTED 8'-0" AFF OR 8' BELOW CEILING AS INDICATED |
|                        | FLOOR DUPLEX CONVENIENCE RECEPTACLE, SEE NOTES                                  |
|                        | FLUSH MOUNT FLOOR BOX, SEE NOTES FOR MORE INFORMATION                           |
|                        | CEILING MOUNTED RECEPTACLE  |
|                        | JUNCTION BOX  |
|                        | MOTOR   |
|                        | PUSH-BUTTON   |
|                        | ON/OFF PUSH-BUTTON STATION  |
|                        | THREE FUNCTION PUSH-BUTTON SWITCH (UP/DOWN/STOP)                                |
|                        | DISCONNECT SWITCH   |
|                        | ENCLOSED CIRCUIT BREAKER  |
|                        | MAGNETIC CONTACTOR  |
|                        | MAGNETIC MOTOR STARTER  |
|                        | COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH                              |
|                        | VARIABLE FREQUENCY DRIVE  |
|                        | GENERIC HARDWIRED ELECTRICAL CONNECTION   |
|                        | DROP CORD/CORD REEL   |

| LINETYPE DESIGNATIONS |       |
|-----------------------|-------|
| DEMOLITION            | ----- |
| EXISTING              | _____ |
| NEW WORK              | _____ |

| LIGHTING IDENTITY SYMBOLS |   |
|---------------------------|---|
|                           | SURFACE MOUNTED FIXTURE (2x4' SHOWN)                                      |
|                           | RECESSED MOUNTED FIXTURE (2x4' SHOWN)                                     |
|                           | SURFACE MOUNTED FIXTURE   |
|                           | RECESSED MOUNTED FIXTURE  |
|                           | SUSPENDED OR CHAIN HUNG FIXTURE   |
|                           | SUSPENDED FIXTURE   |
|                           | WALL MOUNTED SCOSCE OR WALL PACK FIXTURE                                  |
|                           | WALL MOUNTED SCOSCE OR WALL BRACKET (4' SHOWN)                            |
|                           | CEILING OR STEM MOUNTED EXIT SIGN (ONE FACE)                              |
|                           | CEILING OR STEM MOUNTED EXIT SIGN (TWO FACE)                              |
|                           | WALL MOUNTED EXIT SIGN (ONE FACE)   |
|                           | WALL END MOUNTED EXIT SIGN (TWO FACE)                                     |
|                           | ARROWS/SICHEVRONS AS INDICATED ON DRAWINGS.                               |
|                           | EMERGENCY BATTERY UNIT WITH LIGHTING HEADS                                |
|                           | REMOTE LIGHTING HEADS (TO WORK WITH BATTERY UNIT OR CAPABLE EXIT SIGNS)   |
|                           | TRACK HEAD (QUANTITIES AS INDICATED ON DRAWING)                           |
|                           | IN-GRADE OR BOLLARD LIGHT FIXTURE   |
|                           | POLE MOUNTED SINGLE AREA LIGHT  |
|                           | POLE MOUNTED SINGLE AREA LIGHT  |
|                           | POLE MOUNTED AREA LIGHTS (QUANTITY AND DISTRIBUTION AS SHOWN ON DRAWINGS) |

**LIGHTING FIXTURE LEGEND:**

"L1" - DESIGNATES LIGHT FIXTURE TYPE, REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.  
 "a" - DESIGNATES SWITCH LEG  
 "NL" - DESIGNATES NIGHT LIGHT, FIXTURE TO BE CONNECTED AHEAD OF CONTROLS

**LIGHT FIXTURE TYPE MODIFIERS:**

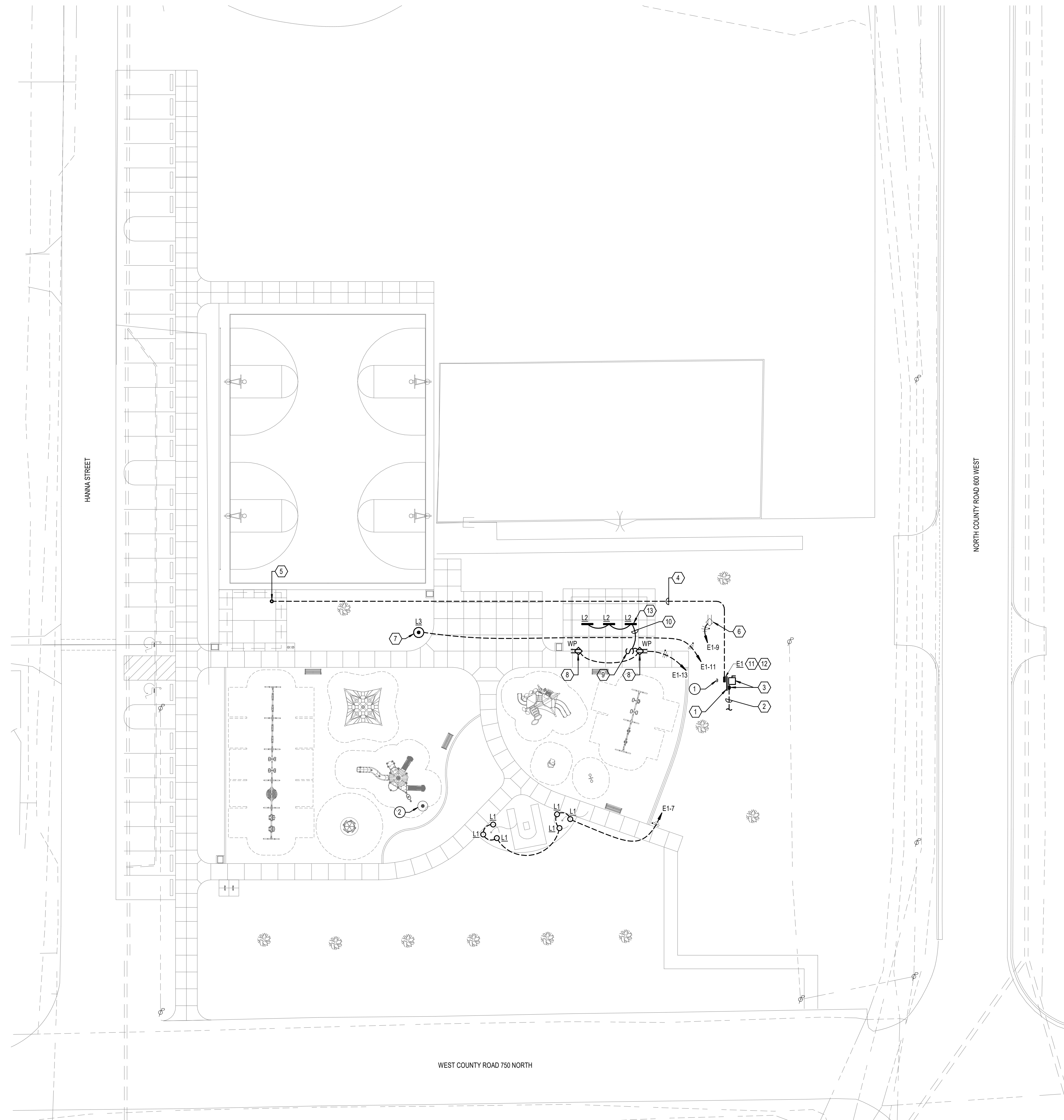
"E" - AT THE END OF LIGHT FIXTURE TYPE DESIGNATES A FIXTURE WITH AN EMERGENCY BATTERY BACKUP.  
 "X" - AT THE END OF THE LIGHT FIXTURE TYPE DESIGNATES A FIXTURE WITH AN EMERGENCY TRANSFER DEVICE.

| GENERAL NOTES |  |
|---------------|--|
| A.            | DRAWINGS ARE DIAGRAMMATIC. ALL DIMENSIONS SHOWN ARE APPROXIMATE. ALL LOCATIONS SHALL BE FIELD VERIFIED.  |
| B.            | ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE - LATEST EDITION ADOPTED BY STATE HAVING JURISDICTION, AND THE STATE HAVING JURISDICTION ELECTRICAL CODE AMENDMENTS, LOCAL/MUNICIPAL CODES, AND THE AUTHORITY HAVING JURISDICTION.  |
| C.            | ALL CONDUIT PENETRATIONS SHALL BE SEALED WITH APPROPRIATE CONDUIT SEALING MATERIAL AND SHALL MATCH FIRE RATING OF BARRIER BEING PENETRATED.  |
| D.            | ALL CABLE SIZES SHALL UTILIZE COPPER CONDUCTORS UNLESS NOTED OTHERWISE.  |
| E.            | FIELD VERIFY LOCATIONS OF BUILDING EXPANSION JOINTS WHEN ROUTING CONDUIT. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE INSTALLED WITH EXPANSION FITTINGS. EXPANSION FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC, AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.   |
| F.            | REFER TO ONE-LINE DIAGRAM FOR ALL FEEDER SIZES.  |
| G.            | WHEN CABLE TRAY IS SHOWN ON THE PLANS AND PORTIONS OF CABLE TRAY CANNOT BE INSTALLED DUE TO CONFLICT WITH STRUCTURE, THE CONTRACTOR SHALL PROVIDE (2) 4" C. WITH INSULATED BUSINGS THAT OVERLAP 1" INTO THE TRAY.  |
| H.            | FEEDERS SHALL NOT BE COMBINED IN A RACEWAY. SINGLE PHASE BRANCH CIRCUIT HOME RUNS MAY BE COMBINED AT THE CONTRACTOR'S DISCRETION NOT GREATER THAN (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, AND A GROUNDING CONDUCTOR, WHERE CIRCUITS ARE COMBINED CONDUCTORS MUST BE DERATED ACCORDING TO NEC.  |
| I.            | EACH SINGLE PHASE BRANCH CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL BACK TO THE PANEL.   |
| J.            | CONDUITS 2" AND LARGER THAT PENETRATE EXTERIOR WALLS SHALL USE LINK-SEALS.   |
| K.            | SUPPORT ALL CABLES AND RACEWAYS ACCORDING TO NEC.  |
| L.            | CONTRACTOR TO PROVIDE AND UPDATED TYPE WRITTEN PANEL INDEX UPON COMPLETION OF PROJECT.   |
| M.            | OCCUPANCY SENSORS LOCATED WITHIN THE SAME ROOM/SPACE SHALL WORK IN TANDEM UNLESS NOTED OTHERWISE.  |
| N.            | CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES, NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR INCORRECT WORK, OR FOR INFRINGEMENT UPON OTHERS WORK, DUE TO A LACK OF COORDINATION.   |
| O.            | COORDINATE LOCATION OF ALL DEVICES TO BE INSTALLED IN CEILING(S), LIGHTS, SPEAKERS, DETECTORS, ETC.) WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. NOTIFY ENGINEER OF AN CONFLICTS PRIOR TO INSTALLATION.  |
| P.            | DEVICES IN GENERAL SHALL BE CENTERED IN WALL SPACE IN WHICH THEY ARE INSTALLED OR THEY SHALL BE SPACED SYMMETRICALLY FOR EXAMPLE, CENTER DEVICES WHEN MOUNTED ON FACE OF COLUMNS).   |
| Q.            | WIRING SHALL BE MINIMUM #12AWG UNLESS NOTED OTHERWISE.   |
| R.            | CONDUIT SHALL BE MINIMUM 3/4" UNLESS NOTED OTHERWISE.  |
| S.            | LISTED SHORT CIRCUIT RATING ARE ESTIMATED FINAL RATINGS SHALL BE DETERMINED BY SHORT CIRCUIT ANALYSIS BASED ON AVAILABLE FAULT CURRENT FROM UTILITY.   |
| T.            | COORDINATE AND VERIFY LOCATIONS OF DEVICES WITH BLOCK COURSING, FINISH MATERIALS, CASEWORK, ETC. PRIOR TO ROUGH-IN.  |
| U.            | WIRING TO ALL RECEPTACLES ON DEDICATED CIRCUITS SHALL BE A MINIMUM #10 AWG UNLESS NOTED OTHERWISE.   |
| V.            | ALL RECEPTACLES CONNECTED TO EMERGENCY CIRCUITS SHALL BE RED IN COLOR UNLESS NOTED OTHERWISE.  |
| W.            | COORDINATE LOCATION OF RECEPTACLES AT ELECTRIC WATER COOLERS (EWC) WITH EWC MANUFACTURER. PROVIDE DUPLEX RECEPTACLE SO THAT IT IS CONCEALED BY EWC HOUSING.  |
| X.            | ALL DEVICE BOXES SHALL BE FLUSH MOUNTED AND ALL RACEWAYS SHALL BE CONCEALED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL CUT AND PATCH EXISTING WALLS WITH EXTREME CAUTION, SO AS TO MINIMIZE INVASIVENESS OF INSTALLATION. ROUTE RACEWAYS AS TO MINIMIZE THE AMOUNT OF CUTTING AND PATCHING REQUIRED. PATCHING SHALL COMPLY WITH ALL BID DOCUMENT REQUIREMENTS. |
| Y.            | EXISTING CONCEALED RACEWAYS AND DEVICE BOXES MAY BE REUSED IN PLACE IF DEEMED CODE COMPLIANT AND IN GOOD CONDITION. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION.  |
| Z.            | PROVIDE 100V POWER CONNECTION TO ALL MOTORIZED DAMPERS AT EXHAUST FANS.  |

| REFERENCE SYMBOLS     |  |                                |  |
|-----------------------|--|--------------------------------|--|
| SECTION INDICATOR:    | REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION. | KEYNOTE INDICATOR:             | REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.         |
|                       | SECTION LOCATION IN DRAWING MODULE                                     |                                | KEYNOTE INDICATORS   |
|                       | BEYOND AREA EXTENSION  |                                | NUMERIC CHARACTER RELATES TO ITEM                                    |
|                       | SECTION LOCATION AT SUBSET SHEET                                       |                                | AREA LEADER  |
|                       | PLAN   |                                | LINE LEADER  |
| DETAIL INDICATOR:     | REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.                  | DRAWING BLOCK TITLE INDICATOR: | REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.        |
|                       | LARGE SCALE VIEW LOCATION IN DRAWING MODULE                            |                                | DRAWING MODULE LOCATION (IDENTIFYING LOWER LEFT OF MULTIPLE MODULES) |
|                       | DETAIL LOCATION IN DRAWING MODULE                                      |                                | <b>DRAWING BLOCK TITLE</b>   |
|                       | LARGE SCALE VIEW LOCATION AT SUBSET SHEET                              |                                | SCALE: 1/8" = 1'-0"  |
|                       | DETAIL LOCATION AT SUBSET SHEET  |                                | NORTH ARROW  |
|                       | PLAN   |                                | NUMERIC SCALE  |
| MATCH LINE INDICATOR: | REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.                   | REVISION INDICATOR:            | REFERENCE TITLE BLOCK LOCATION FOR ADDITIONAL INFORMATION.           |
|                       | FLOOR PLAN OVERLAP   |                                | REVISION INDICATOR   |
|                       | BEYOND AREA EXTENSION  |                                | REVISION CLOUD   |
|                       | SEE P-102  |                                | REFER TO ADDITIONAL SHEET FOR CONTINUATION                           |
|                       | PLAN   |                                | PLAN   |

| CIRCUITING INFO |                             |
|-----------------|-----------------------------|
|                 | 1AH1-42 BREAKER PANEL       |
|                 | CIRCUIT NO. TYPICAL HOMERUN |
|                 | PHASE                       |
|                 | NEUTRAL                     |
|                 | GROUND                      |
|                 | CIRCUIT NO. PARTS           |
|                 | ROOM CIRCUIT NO.            |
|                 | HOMERUN PARTS               |

| ABBREVIATIONS AND TERMS |                                       |           |  |
|-------------------------|---------------------------------------|-----------|--|
| &                       | AND                                   | EMT       | ELECTRICAL METALLIC TUBING                           |
| Ø                       | PHASE                                 | ETR       | EXISTING TO REMAIN                                   |
| 'F                      | DEGREES FAHRENHEIT                    | EWC       | ELECTRIC WATER COOLER                                |
| A/C                     | AIR CONDITIONING                      | EX        | EXISTING   |
| A                       | AMPERES                               | FCU       | FAN COIL UNIT  |
| ACCU                    | AIR COOLED CONDENSING UNIT            | FLR       | FLOOR  |
| AF                      | AMPERE FUSE                           | FP        | FIRE PUMP  |
| AFC                     | ABOVE FINISHED COUNTER                | FP/AV     | FAN POWERED VAV UNIT                                 |
| AFF                     | ABOVE FINISHED FLOOR                  | FT        | FOOT, FEET   |
| AFG                     | ABOVE FINISHED GRADE                  | FURN      | FURNACE  |
| AHU                     | AIR HANDLING UNIT                     | G         | GROUND, GALLONS                                      |
| AIC                     | AMPERES INTERRUPTING CAPACITY         | GC        | GENERAL CONTRACTOR                                   |
| AL                      | ALUMINUM                              | GFI       | GROUND FAULT INTERRUPTING                            |
| ANSI                    | AMERICAN NATIONAL STANDARDS INSTITUTE | GFCI      | GROUND FAULT CIRCUIT                                 |
| ARCH                    | ARCHITECT                             | GRD       | GROUND   |
| ATS                     | AUTOMATIC TRANSFER SWITCH             | GND       | GROUND   |
| AVG                     | AVERAGE                               | HHWP      | HEATING HOT WATER PUMP                               |
| BAS                     | BUILDING AUTOMATION SYSTEM            | HCA       | HAND-OFF-AUTOMATIC                                   |
| BI                      | BYPASS ISOLATION                      | HORIZ     | HORIZONTAL   |
| BE                      | BOTTOM ELEVATION                      | HP        | HORSEPOWER   |
| BLDG                    | BUILDING                              | HR        | HOUR(S)  |
| BMS                     | BUILDING MANAGEMENT SYSTEM            | HRTU      | HEATING ONLY ROOFTOP UNIT                            |
| BMT                     | BASEMENT                              | HZ        | HERTZ  |
| C                       | CONDUIT                               | IAC       | INSTRUMENTATIONS AND CONTROLS                        |
| CB                      | CIRCUIT BREAKER                       | ID        | INSIDE DIAMETER                                      |
| CBA                     | COLOR BY ARCHITECT                    | IN        | INCH, INCHES   |
| CCW                     | COUNTERCLOCKWISE                      | INT       | INTERIOR   |
| CH                      | CHILLER                               | JP        | JOCKEY PUMP  |
| CHWP                    | CHILLED WATER PUMP                    | K         | KELVIN, KEYED  |
| CLG                     | CEILING                               | KW        | KILOWATT   |
| CMT                     | CONDUIT EMPTY                         | KVA       | KILOVOLT AMPS  |
| COMP                    | COMPRESSOR                            | LES       | POUNDS   |
| COND                    | CONDENSER                             | LSI, LSIG | TRIP TYPE - LONG, SHORT, INSTANTANEOUS, GROUND FAULT |
| CONV                    | CONVECTOR                             | LTG       | LIGHTING   |
| CT                      | COOLING TOWER                         | MAX       | MAXIMUM  |
| CU                      | CONDENSING UNIT, COPPER               | MC        | MECHANICAL CONTRACTOR                                |
| CUH                     | CABINET UNIT HEATER                   | MCA       | MINIMUM CIRCUIT AMPS                                 |
| CUV                     | CLASSROOM UNIT VENTILATOR             | MCC       | MOTOR CONTROL CENTER                                 |
| CW                      | CLOCKWISE                             | MFR       | MANUFACTURER   |
| CWP                     | CONDENSER WATER PUMP                  | MIN       | MINIMUM  |
| D                       | DEDICATED CIRCUIT                     | MISC      | MISCELLANEOUS  |
| DC                      | DIRECT CURRENT                        | MOP       | MAXIMUM OVERCURRENT PROTECTION                       |
| DS                      | DISCONNECT SWITCH                     | MTD       | MOUNTED  |
| DWH                     | DOMESTIC WATER HEATER                 | MV        | MEDIUM VOLTAGE                                       |
| DWG                     | DRAWING                               | NA        | NOT APPLICABLE                                       |
| EA                      | EACH                                  | NEC       | NATIONAL ELECTRICAL CODE                             |
| EC                      | ELECTRICAL CONTRACTOR                 | NIC       | NOT IN CONTRACT                                      |
| EF                      | EXHAUST FAN                           | NL        | NIGHT LIGHT  |
| EFF                     | EFFICIENCY                            | NOM       | NOMINAL  |
| EL                      | ELEVATION                             | NTS       | NOT TO SCALE   |
|                         |                                       | OCP       | OVERCURRENT PROTECTION                               |
|                         |                                       | OD        | OUTSIDE DIAMETER, OVERFLOW DRAIN                     |
|                         |                                       | OF/CI     | OWNER FURNISHED/CONTRACTOR INSTALLED                 |
|                         |                                       | OL        | OVERLOAD   |
|                         |                                       | OZ        | OUNCE  |
|                         |                                       | P         | POLE, PHASE, PARALLEL                                |
|                         |                                       | PE        | PNEUMATIC ELECTRIC                                   |
|                         |                                       | PF        | POWER FACTOR   |
|                         |                                       | PH        | PHASE  |
|                         |                                       | PTAC      | PACKAGED TERMINAL AIR CONDITIONER                    |
|                         |                                       | PVC       | POLYVINYL CHLORIDE CONDUIT/PIPE                      |
|                         |                                       | RCPT      | RECEPTACLE   |
|                         |                                       | REV       | REVOLUTIONS  |
|                         |                                       | RGS       | RIGID GALVANIZED CONDUIT                             |
|                         |                                       | RM        | ROOM   |
|                         |                                       | RPM       | REVOLUTIONS PER MINUTE                               |
|                         |                                       | RPS       | REVOLUTIONS PER SECOND                               |
|                         |                                       | RTU       | ROOF TOP UNIT  |
|                         |                                       | SF        | SQUARE FOOT  |
|                         |                                       | SPEC      | SPECIFICATION  |
|                         |                                       | SQ        | SQUARE   |
|                         |                                       | ST        | SHUNT TRIP   |
|                         |                                       | STD       | STANDARD   |
|                         |                                       | SW        | SWITCH   |
|                         |                                       | TBD       | TO BE DETERMINED                                     |
|                         |                                       | TBI       | TO BE INSTALLED                                      |



### GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- B REFER TO E900 SERIES SHEETS FOR ELECTRICAL SCHEDULES.
- C MINIMUM CONDUCTOR SIZE FOR SITE RELATED ELECTRICAL DEVICES TO BE #10 AWG CU, UNLESS NOTED OTHERWISE.
- D MINIMUM CONDUIT SIZE FOR SITE RELATED ELECTRICAL DEVICES TO BE 1" SCH 40 PVC, UNLESS NOTED OTHERWISE.
- E ALL NEW WORK TO BE BURIED 30-INCHES BELOW FINISH GRADE. COORDINATE AND MARK ALL EXISTING UTILITIES PRIOR TO TRENCHING. NO COMPENSATION WILL BE PROVIDED FOR DAMAGED INFRASTRUCTURE DUE TO LACK OF COORDINATION.
- F CARE TO BE TAKEN TO AVOID TREE ROOTS WHILE TRENCHING. MAINTAIN 10-FOOT MINIMUM FROM TREE TRUNK.

### SHEET KEYNOTES

- 1 REMOVE UTILITY METER, SERVICE DISCONNECT, RECEPTACLE, AND PEDESTAL COMPLETE. IF UTILITY FINDS EXISTING SECONDARY CONDUIT ACCEPTABLE FOR RE-USE, PROVIDE CONDUIT TO EXTEND SERVICE TO NEW SERVICE POINT.
- 2 REMOVE AND SAFELY STORE EXISTING POST TOP LIGHT POLE UNTIL RE-INSTALLATION. REMOVE POLE BASE, WIRE, AND CONDUIT BACK TO SOURCE.

### SHEET KEYNOTES

- 1 PROVIDE H-FRAME SUPPORT RACK FOR INCOMING SERVICE AND MAIN PANEL.
- 2 UTILITY SECONDARY. PROVIDE 2" SCH 80 PVC FROM UTILITY CONNECTION POINT TO SERVICE METER AND DISCONNECT. UTILITY TO PROVIDE CONDUCTORS.
- 3 UTILITY METER AND SERVICE DISCONNECT.
- 4 PROVIDE 2#1#1#6, 1.25" SCH 40 PVC TO PRE-MANUFACTURED RESTROOM BUILDING.
- 5 VERIFY EXACT LOCATION OF ELECTRICAL CONNECTION TO BUILDING WITH BUILDING MANUFACTURER PRIOR TO ROUGH-IN.
- 6 INTERCEPT EXISTING FEED SERVING RECEPTACLE AND PROVIDE 3#12, 1" SCH 40 PVC TO NEW PANEL E1.
- 7 RELOCATE EXISTING POST TOP POLE TO THIS LOCATION. PROVIDE NEW CONCRETE BASE. VERIFY EXACT LOCATION WITH TOWN PRIOR TO ROUGH-IN.
- 8 PROVIDE SURFACE MOUNT JUNCTION BOX AT 18" ABOVE FINISH GRADE TO HOUSE GFCI-TYPE RECEPTACLE WITH IN-USE WEATHERPROOF, LOCKABLE COVER. PROVIDE 1" SCH 40 PVC UNDER GRADE TO SERVE CIRCUIT.
- 9 PROVIDE SURFACE MOUNT JUNCTION BOX AT 44" ABOVE FINISH GRADE TO HOUSE WEATHERPROOF SNAP SWITCH.
- 10 PROVIDE 3/4" GRC FROM FIXTURE TO FIXTURE, AND DOWN TO SWITCH TO BE LOCATED AT 44" TO THE BOTTOM OF BOX ABOVE FINISH GRADE, THEN DOWN TO THE RECEPTACLE.
- 11 PROVIDE NEMA 3R PANEL ON H-FRAME.
- 12 PROVIDE WEATHERPROOF PHOTOCELL(S) ON H-FRAME TO CONTROL ALL LIGHTING ON THE SITE.
- 13 VERIFY ORIENTATION OF LIGHTS WITH SHELTER STRUCTURE PRIOR TO ROUGH-IN.

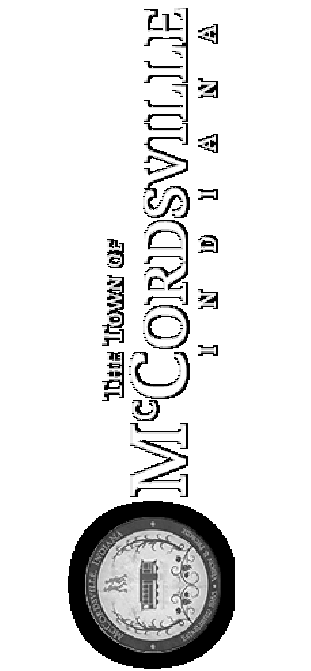
**1** SITE ELECTRICAL PLAN  
1" = 20'-0"

**VERIDUS**  
GROUP  
6280 N. Shadeland Avenue,  
Suite A  
Indianapolis, IN 46220  
Phone: (317) 598-6647 |  
www.theveridusgroup.com

**context**  
DESIGN

**kbsd**  
CONSULTING

275 VETERANS WAY  
SUITE 300  
CARMEL, IN 46032



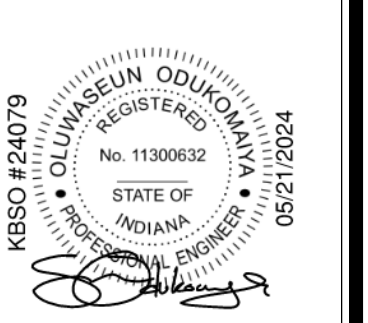
PROJECT  
**OLD SCHOOL PARK - MCCORDSVILLE**  
PERMIT SET  
6030 W CR 750 N  
MCCORDSVILLE, IN 46055

| REVISIONS |          |             |
|-----------|----------|-------------|
| NO.       | DATE     | DESCRIPTION |
| 1         | 05/21/24 | ADDENDUM 1  |

ISSUE DATE: 3/8/24  
DRAWN BY: PLR  
CHECKED BY: SJO  
DRAWING TITLE:

**SITE ELECTRICAL PLAN**

CERTIFIED BY



PROJECT NUMBER  
2023.0194

DRAWING NUMBER  
**E101**

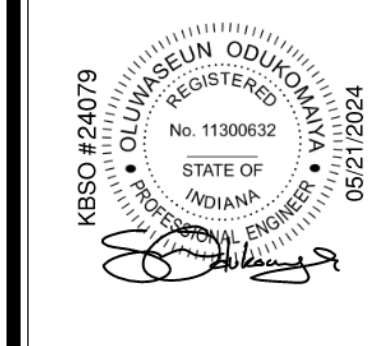


| REVISIONS |          |             |
|-----------|----------|-------------|
| NO.       | DATE     | DESCRIPTION |
| 1         | 05/21/24 | ADDENDUM 1  |

ISSUE DATE: 3/8/24  
DRAWN BY: PLR  
CHECKED BY: SJO

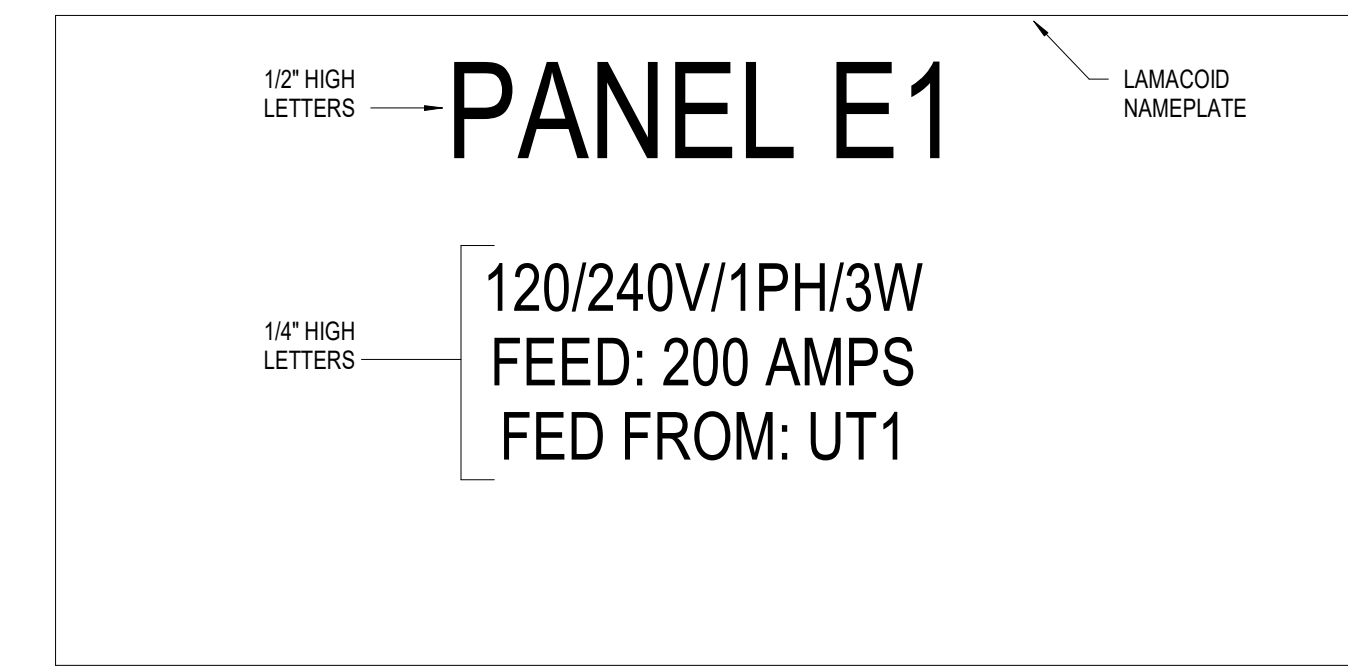
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**ELECTRICAL  
DETAILS**

CERTIFIED BY



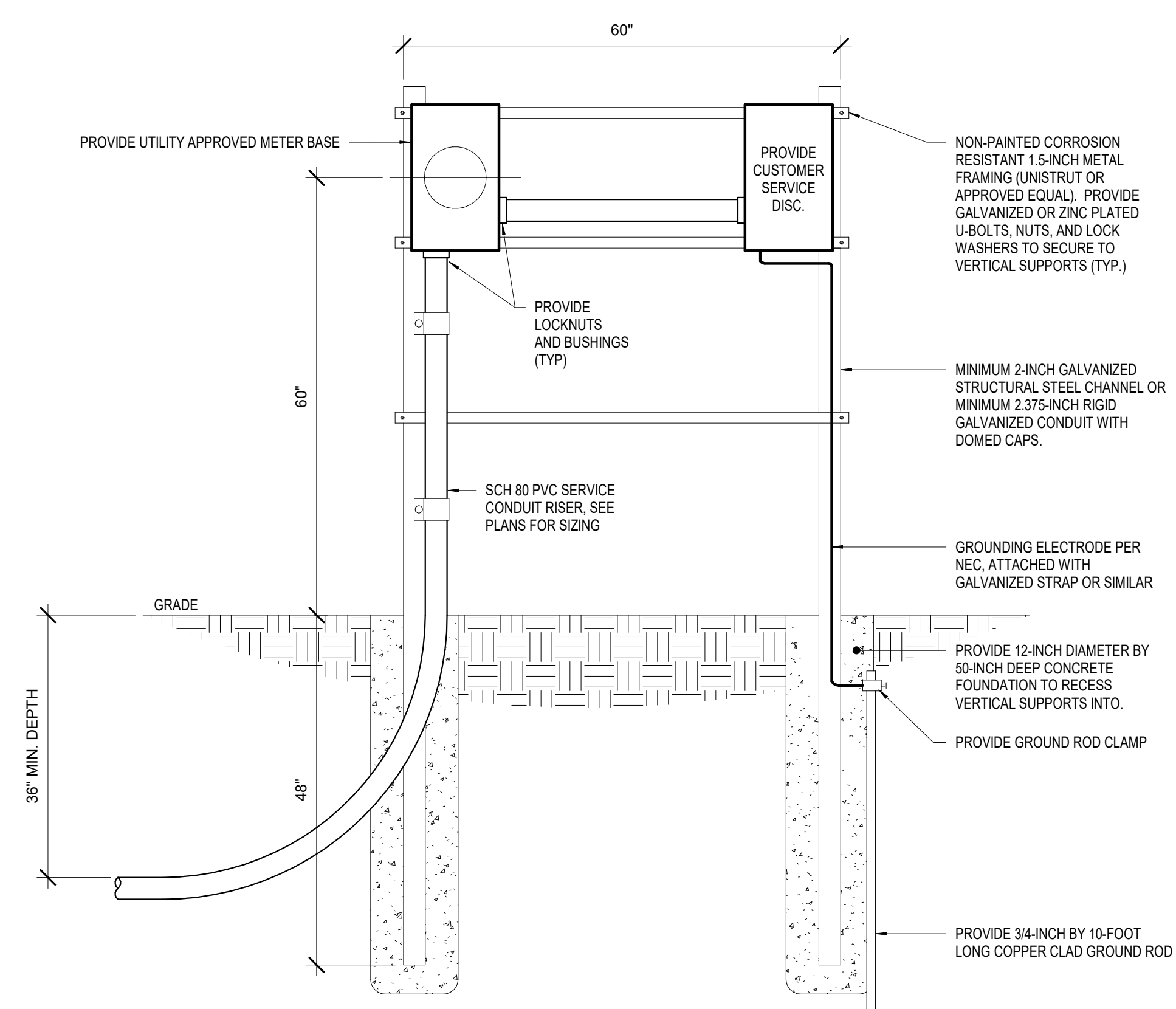
PROJECT NUMBER  
2023.0194

DRAWING NUMBER  
**E501**



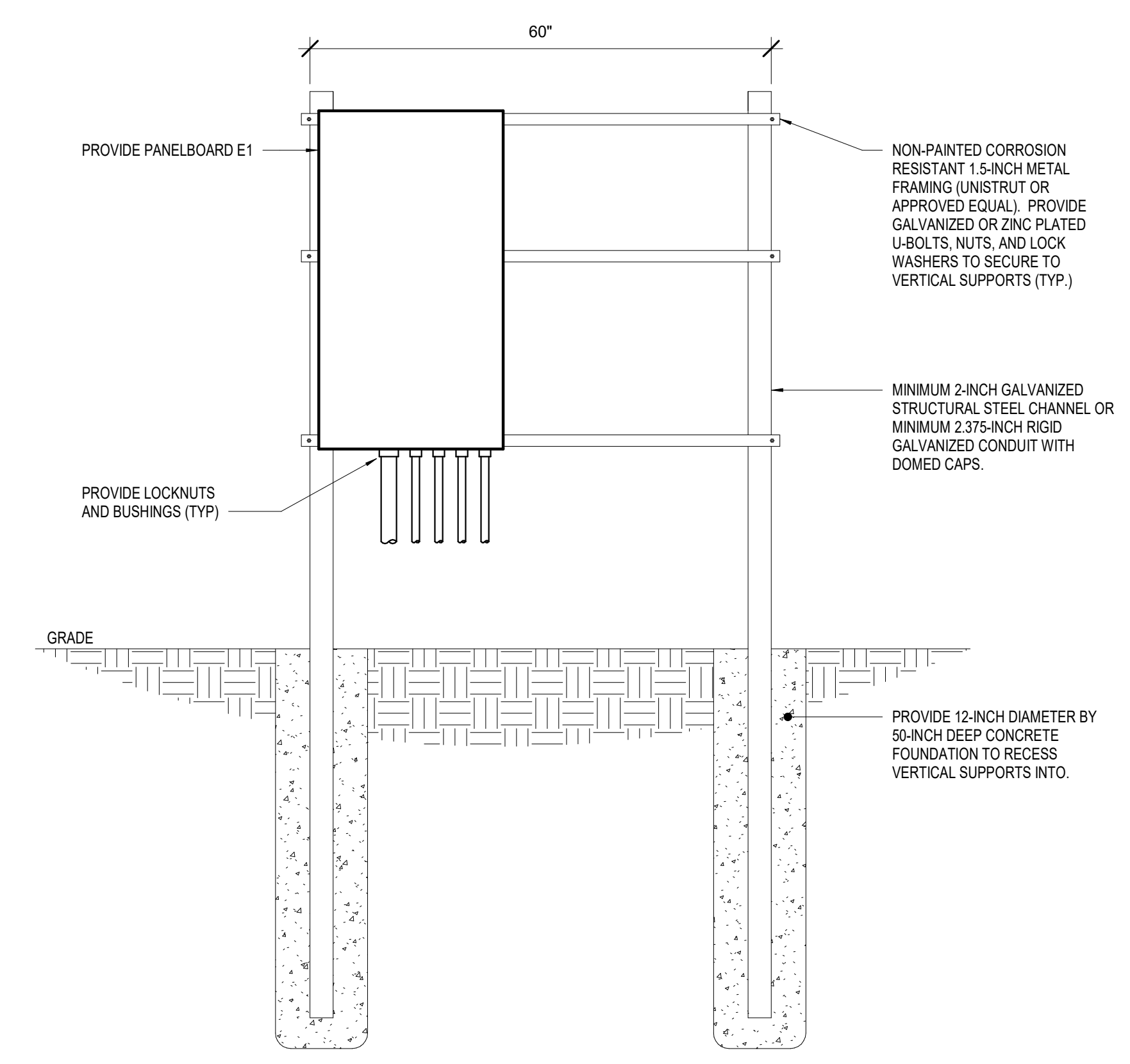
LABELS SHALL BE BLACK WITH WHITE LETTERS

**2** TYPICAL POWER PANEL NAMEPLATE DETAIL  
NOT TO SCALE



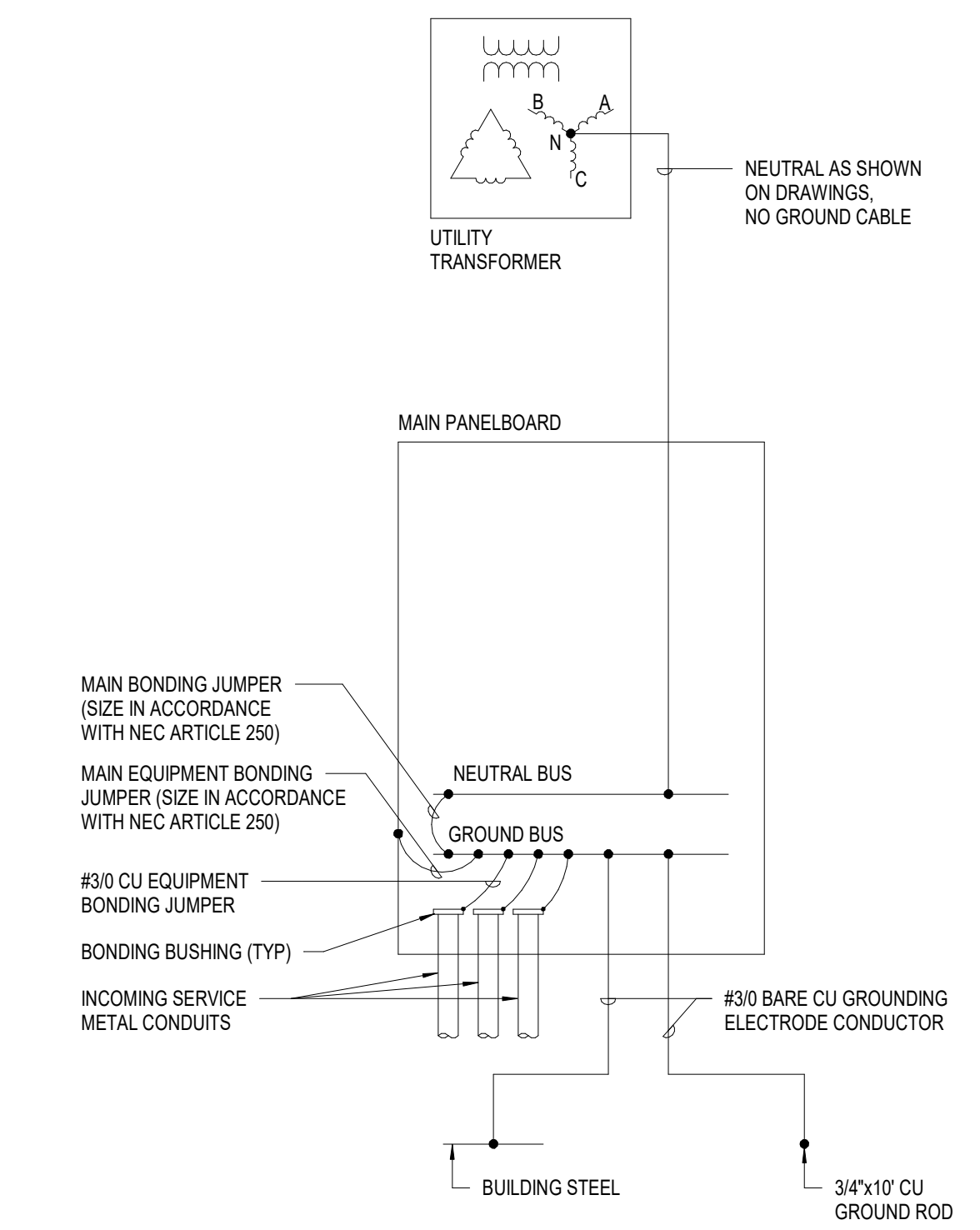
- NOTES:
- SERVICE GROUND IN ACCORDANCE WITH NEC.
  - ALL EQUIPMENT, MOUNTING HEIGHTS, AND CLEARANCES BEYOND THE METER SOCKET IN ACCORDANCE WITH NEC.
  - ALL CONNECTIONS IN ACCORDANCE WITH NEC.
  - UTILITY COMPANY WILL PROVIDE UNDERGROUND SERVICE CONDUCTORS.
  - A COMBINATION UTILITY METER AND SERVICE DISCONNECT IS ACCEPTABLE IF THE UTILITY APPROVES MAKE AND MODEL.

**4** H-FRAME DETAIL - BACK  
NOT TO SCALE

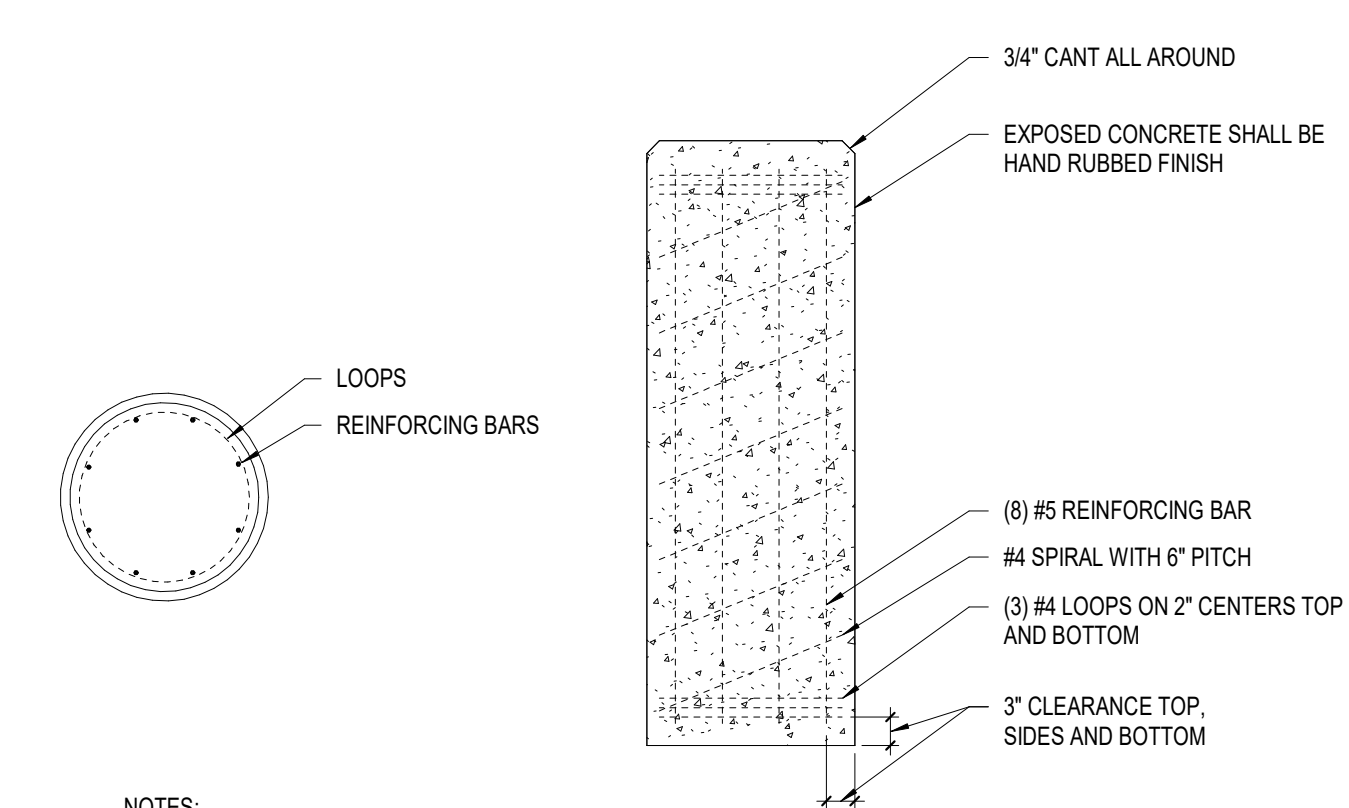


- NOTES:
- SERVICE GROUND IN ACCORDANCE WITH NEC.
  - ALL EQUIPMENT, MOUNTING HEIGHTS, AND CLEARANCES BEYOND THE METER SOCKET IN ACCORDANCE WITH NEC.
  - ALL CONNECTIONS IN ACCORDANCE WITH NEC.
  - UTILITY COMPANY WILL PROVIDE UNDERGROUND SERVICE CONDUCTORS.

**3** H-FRAME DETAIL - FRONT  
NOT TO SCALE

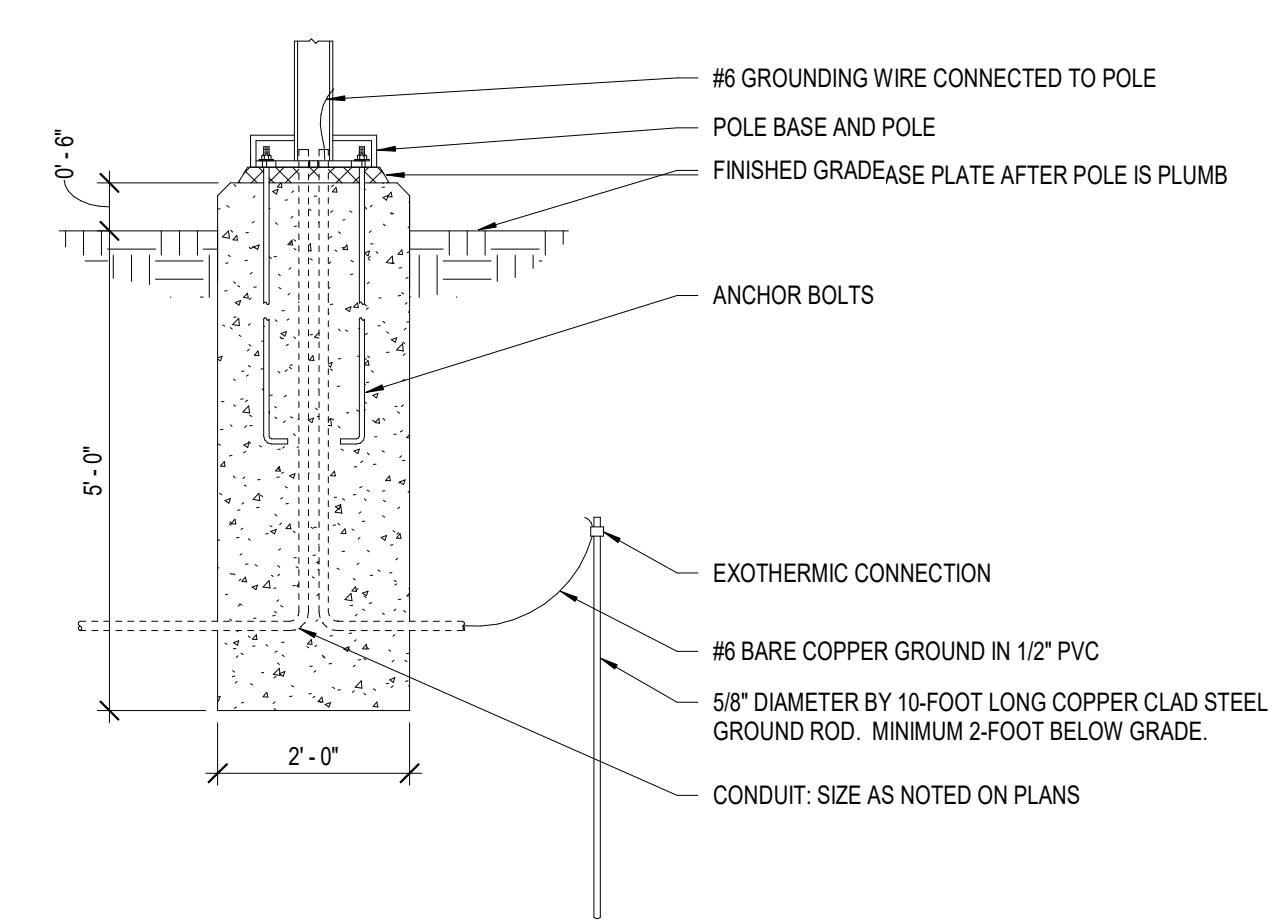


**1** TYPICAL GROUNDING DETAIL  
NOT TO SCALE



- NOTES:
- USE 4000 PSI 28 DAY STRENGTH CONCRETE FOR POLE BASE.
  - PLACE CONCRETE THE SAME DAY BASE IS DRILLED.
  - USE SONOTUBE FORM ABOVE GRADE AND EXTEND TO 6" BELOW GRADE.
  - REFER TO "POLE BASE DETAIL" FOR DIMENSIONS.

**6** POLE BASE CONCRETE AND REINFORCING  
NOT TO SCALE



**5** POLE BASE DETAIL - 6"  
NOT TO SCALE

