

Equipment Philosophy

Scope

This document outlines the general requirements and parameters for installing equipment within Evergy’s service territory. This document applies to customer-installed civil work required on customer-owned property, including private easements, to support Evergy-owned equipment. This document does not apply to facilities installed by Evergy within public rights-of-way, dedicated utility easements not associated with a single customer property, or shared distribution system locations.

General Installation Requirements

- Any equipment installed on behalf of the Company shall be approved by the Company prior to installation.
- Relocation of Company facilities after they have been installed is at the expense of the Customer/Developer.
- All work must adhere to Evergy standards, codes, and safety regulations.

Location, Access, and Working Space Requirements

- The location of all equipment shall be approved by the Company prior to installation.
- Equipment shall be installed in a location readily accessible at all times for Evergy crews.
- Provide sufficient space for vehicles to enter, exit, turn around, deploy outriggers, and swing booms safely during installation, maintenance, and emergency work.
- All three-phase equipment must be located within 15 feet of an improved surface; all other equipment must be located within 25 feet of an improved surface.

Improved surfaces shall be designed to support HS-20/HS-25 heavy-vehicle loading.

Vehicular Speed-Based Clearance Requirements

- Areas with Vehicular Speeds 15 mph or Less
 - A minimum clearance equal to the required clearance plus 2 feet shall be provided – measured from the back of the curb – on sides exposed to vehicular traffic.
 - When the required clearance cannot be met adjacent to roadway, protective bollards shall be installed in accordance with the applicable Evergy **Bollard Standard [9550.2-000]**.
- Areas with Vehicular Speeds Greater Than 15 mph
 - A minimum clearance equal to the required clearance plus 7 feet shall be provided – measured from the back of the curb – on sides exposed to vehicular traffic.
 - Bollards or protective barriers do not reduce the required clearance.

Structural Limitations

- No equipment shall be installed directly beneath Company equipment.
- No portion of any structure shall extend over Company equipment.
- Equipment shall be installed so that the front (entrance side) does not face the structure.
- If such conditions are unavoidable, approval must be obtained from Standards Engineering prior to installation.

Drainage

The area surrounding the equipment must be graded so that drainage flows away from the structure.

Obstructions and Barriers

- Customers shall install adequate barriers to protect equipment in areas open to vehicular traffic.
- Barriers different from those specified in these standards must be approved by Evergy and allow adequate working space and ventilation.
- Refer to the **Bollard Standard [9550.2-000]** and drawings for more details.

Public Facing Documents (PFD) Philosophy

Scope

This section outlines Evergy’s construction standards for all Company facilities installed by the Company or on behalf of the Company and made publicly available.

Public Facing Documents

- Bollard
- Metering Primary
- Pedestal Secondary
- Sectionalizing Cabinet
- Switchgear Air Insulated
- Transformer

General Conduit Installation

Scope

This document outlines the general conduit installation requirements.

Pre-Installation Requirements

- Customers must contact utility one-call before trenching.
- The Company must be notified when digging occurs near Company equipment.
- Conduit installation requires Company approval prior to backfill; trenches must remain open until approved. The Company reserves the right to inspect all conduits installation.
- Improper installation must be corrected at the expense of the Customer/Developer.
- Relocation of Company facilities after installation is at the expense of the Customer/Developer.

Material Requirements

- Conduit must be NEMA TC-2 and NEC approved:
 - UL listed rigid schedule 40 gray PVC
 - HDPE (high density polyethylene) schedule 40 or SDR 13.5 black with red stripe
 - These requirements also apply to riser conduits.
- PVC elbows must be 36" radius for all service bends.
- PVC joints must be glued with PVC cement; HDPE joints require proper fittings.
 - Bands, clamps, or pre glued PVC under tension are not allowed.
 - Pre-glued PVC prior to installation or pulled/plowed under tension will not be accepted.
 - PVC couplers or bell joints must be adhered using an HDPE-rated epoxy.
 - Couplers must be fully glued on with epoxy per manufacturer instructions. Mechanical fastening alone is not permitted.

Installation Practices

- Open conduit ends must be capped or taped closed to prevent debris and wildlife entry.
- Backfill must be clean, tamped, and handled carefully to avoid conduit damage.
 - Backfill shall include dome top for settling or compaction to 95% maximum density (Proctor–ASTM D698).
 - Backfill must not contain rocks larger than 3" in their greatest dimension.
- Red danger tape must be installed 6"–12" below final grade.

Conduit Placement Requirements

- Conduit must be located where it is subject to the least disturbance.
- Electrical conduit shall be installed to maintain minimum radial clearance from other underground utilities as follows:
 - 18 inches from any utility owned non-gas conduit systems (e.g., communications, water, or fiber).
 - 24 inches from utility owned gas facilities.
 - 30 inches from non-utility owned systems.
- Electrical conduit shall not be installed directly above, directly below, or parallel to other cables, conduit systems, or underground facilities.
 - Where unavoidable, electrical conduit may cross over or under existing utility facilities, provided the vertical separation at the crossing maintains the required minimum radial clearance.
- Cables must not be installed directly under buildings, storage tanks, or foundations unless approved by the Company.

- If necessary, the distance between the top of conduit and the surface above must exceed the Company's minimum required depths to be sufficient to protect from expected surface loading.

Environmental and Site Considerations

- In areas prone to flooding or high-water tables, additional protection may be required:
 - Watertight conduit
 - Elevated junction boxes
 - Other measures per NEC Article 300 and local codes
- Installations must consider soil conditions, water exposure, and potential future surface use to ensure conduit protection.

Primary and Secondary Conduit Installation

Scope

This document outlines the requirements and parameters for primary and secondary conduit installation within Evergy's service territory. Ductbanks are not addressed in this document.

Installation Requirements

Depth and Alignment

- Minimum depths – 41" to top of conduit.
 - Different depths may be required for switchgears, sectionalizing cabinets, pedestals, etc.
- Depths must be met at final grade after settling.
- The conduit bends shall conform to those provided by the Company design.

Pull Tape

Install polyester pull tape (1200 lbs strength) in all conduits.

- If pull tape breaks, it is the responsibility of the Customer/Developer to pull in a new one.

Sizing and Approved Materials

- The company will dictate conduit sizes to be used.

Service Conduit Installation

Scope

This document outlines the general requirements and parameters for service conduit installation within Evergy's service territory.

Installation Requirements

Length

- Maximum conduit runs – 135'

Depth and Alignment

- Minimum depth – 30" to top of conduit.
- Depths must be met at final grade after settling.
- Runs should be straight where possible; maximum four bends per run (two vertical 90° bends and horizontal bends summing up to 90°).

Sizing and Approved Materials

- Slip joints are required for meter risers.
- Service conduit sizes:

Minimum Service Conduit Requirements		
Service Entrance Size ₁	3-Wire, 1 Phase	
	Quantity	Minimum Size (inches) ₂
200 Amp	1	3
400 Amp	1	3
600 Amp	2	3
800 Amp	2	3

- For sizes not listed above contact a Company Representative.
- These service conduit sizes are for residential services. In commercial applications the customer should verify cable and conduit comply with local code and NEC.

Pull Tape Requirements

- Pull tape shall be installed in all service conduits and stub-outs.
- Only flat, woven polyester pull tape (mule tape) shall be used, with a minimum width of 7/16 inch and a minimum tensile strength of 1,250 lb.
- Pull tape should be kept clear of conduit joints during solvent cementing to prevent bonding or damage.
- Pull tape shall be installed as a continuous run where practical. When pull tape must be joined to an existing stub-out, a mule knot or equivalent knot shall be used.
- Pull tape installed in stub-outs shall be secured within pad-mounted equipment to prevent inadvertent removal when pull tape is added to future conduit installations.

Stubouts

New Pedestal or Transformer Padmount Installation

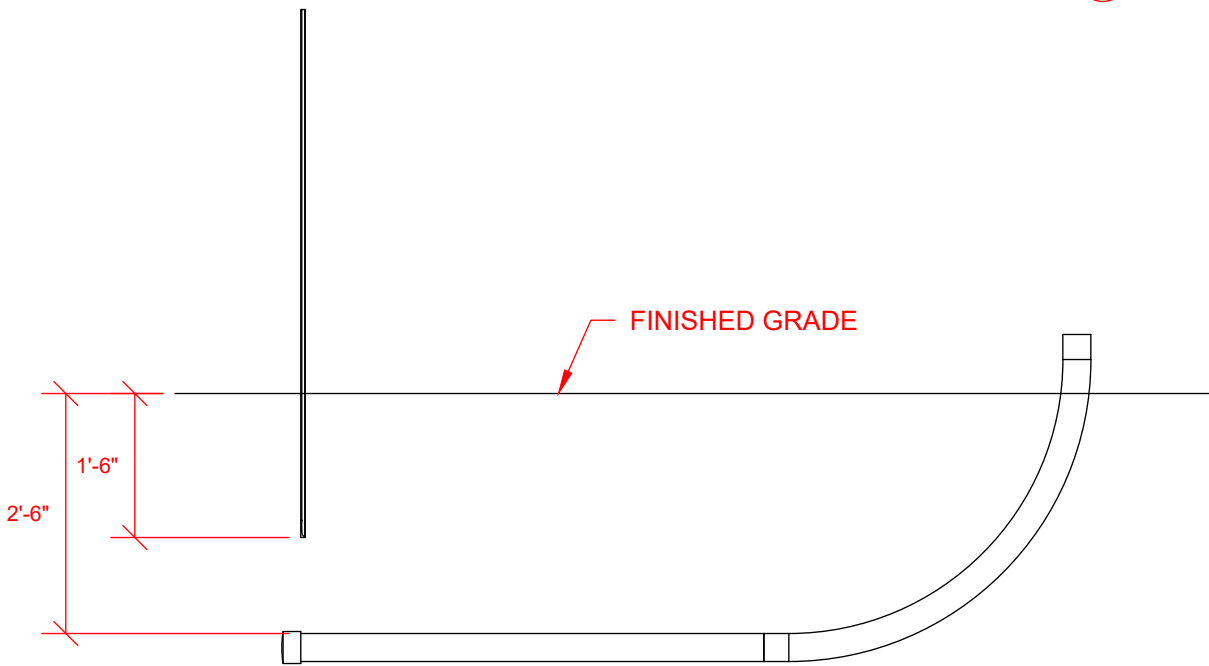
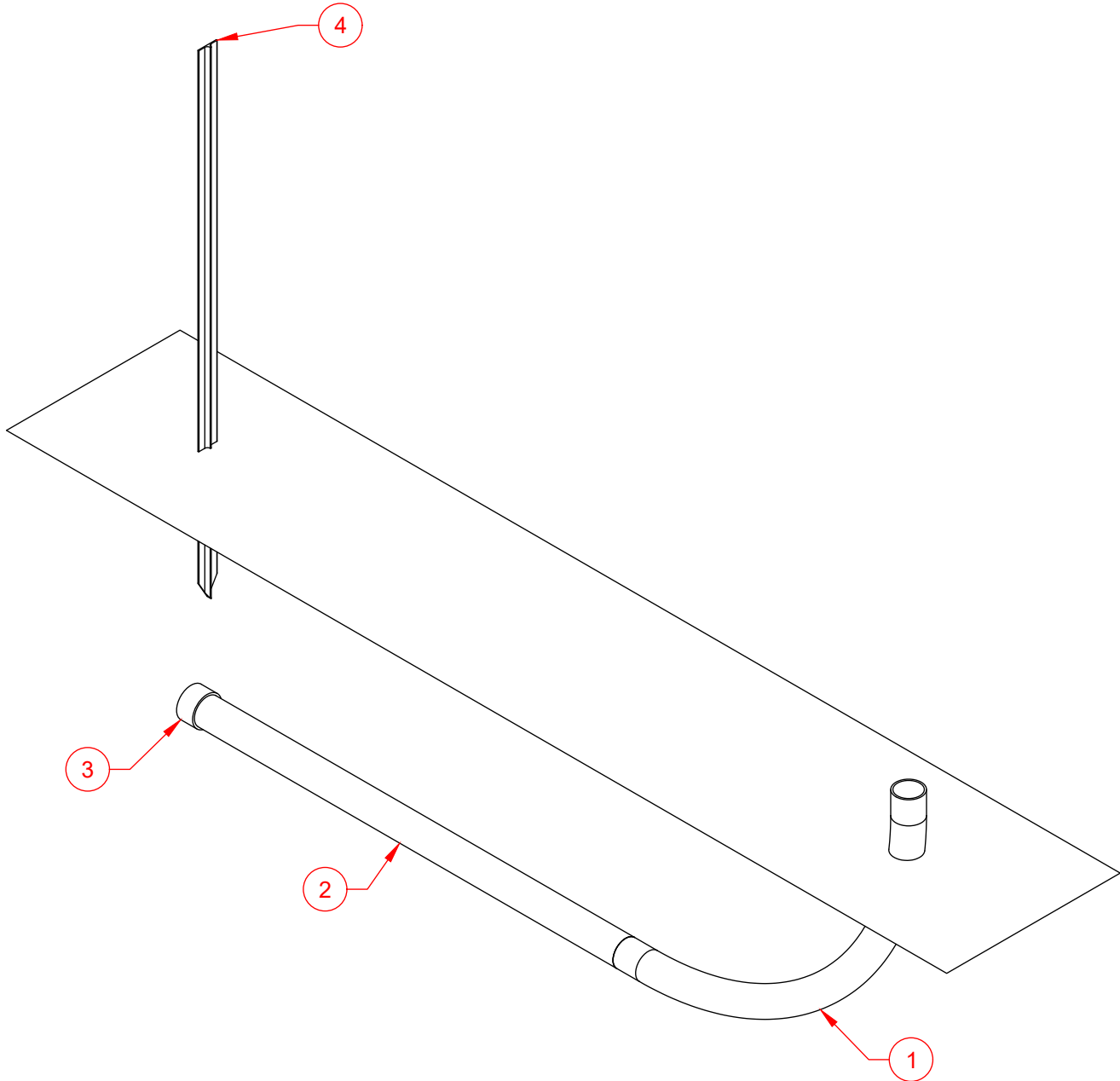
When a customer installs a new pedestal or padmount for setting a transformer, the customer is responsible for providing and installing stub-outs for all anticipated conduits to the Company selected location. Stub-outs must be oriented toward the projected conduit path and meet Company specifications for size and location.

Existing Pedestal or Transformer Padmount

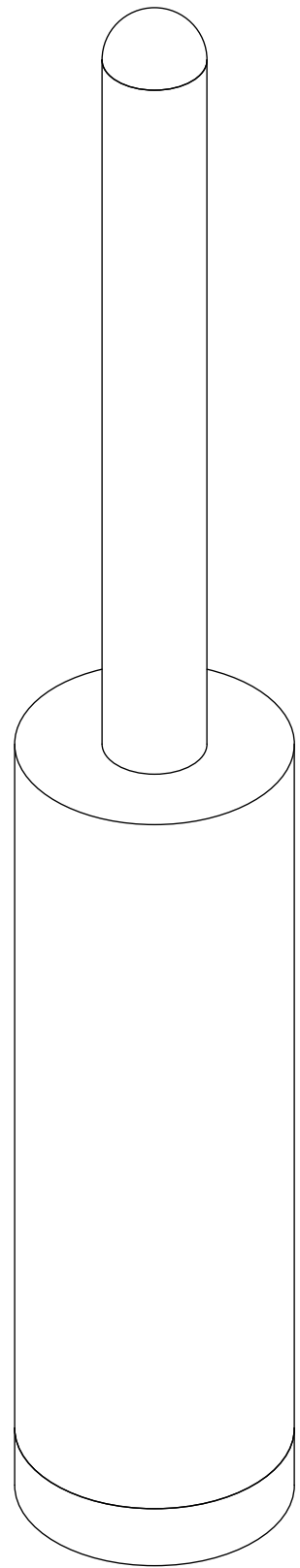
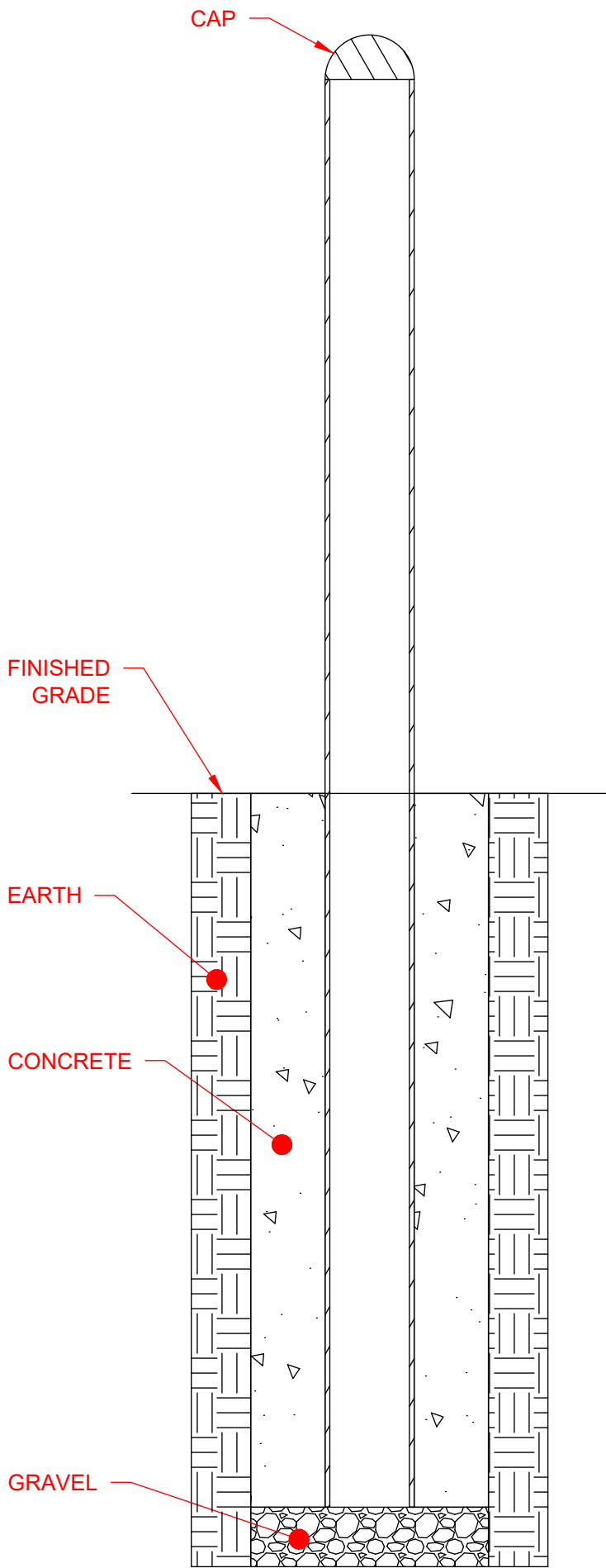
For pedestals or transformer padmounts already installed by the Company, the Company will install a customer-provided stub-out at a Company selected location. The customer shall connect to this stub-out in accordance with Company requirements.

Marking

The installer of the stubout is responsible for installing a marker at the end of the stubout that will continue to function as a locating reference until the service conduit installation is complete. The marker shall be installed to resist displacement and settling.



Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Conduit Bend 90	• New Pedestal/Padmount: Customer must provide service stub-outs for all anticipated conduits, oriented toward the projected conduit path and end at company selected location. • 3 Inch Schedule 40 PVC. • 36" Bending radius.	Customer	Customer	Evergy
2	Conduit	• New Pedestal/Padmount: Customer must provide service stub-outs for all anticipated conduits, oriented toward the projected conduit path and end at company selected location. • 3 Inch Schedule 40 PVC. • 30" Minimum to top of conduit.	Customer	Customer	Evergy
3	Conduit End Cap		Customer	Customer	Customer
4	Marker Stub Out	• As defined by Standard 9520.0-503.	Customer	Customer	Customer



Number	Item	Requirement	Provided By	Installed By	Maintained By
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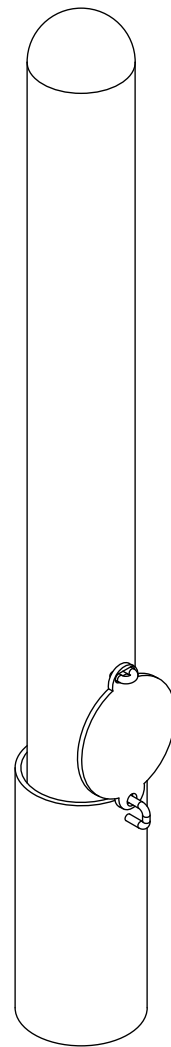
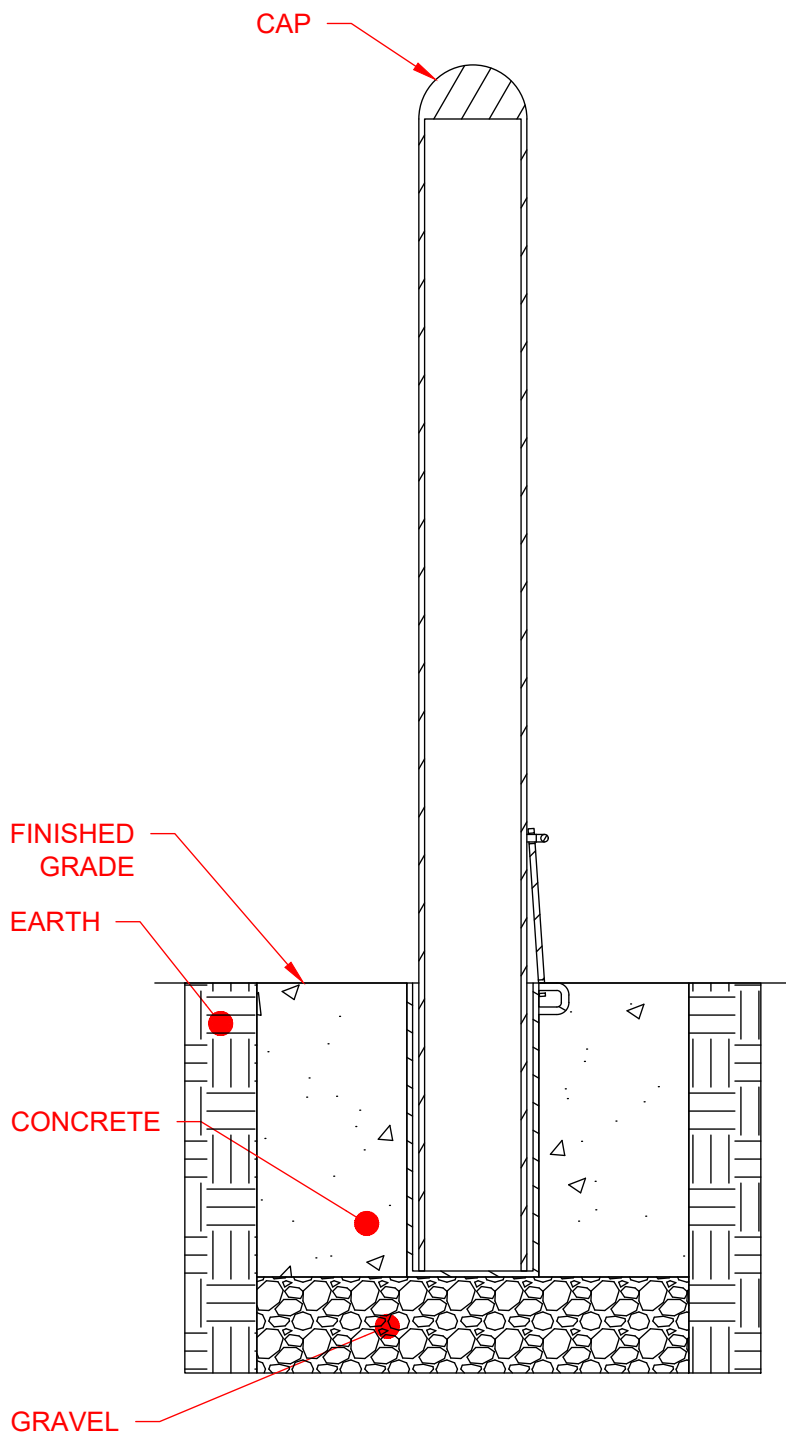


EVERGY
SERVICE
STANDARDS

DRAWN
DATE
5/7/2026

PFD EQUIPMENT
BOLLARD
NON REMOVABLE

9550.2-001
Sheet 2 of 2



Number	Item	Requirement	Provided By	Installed By	Maintained By
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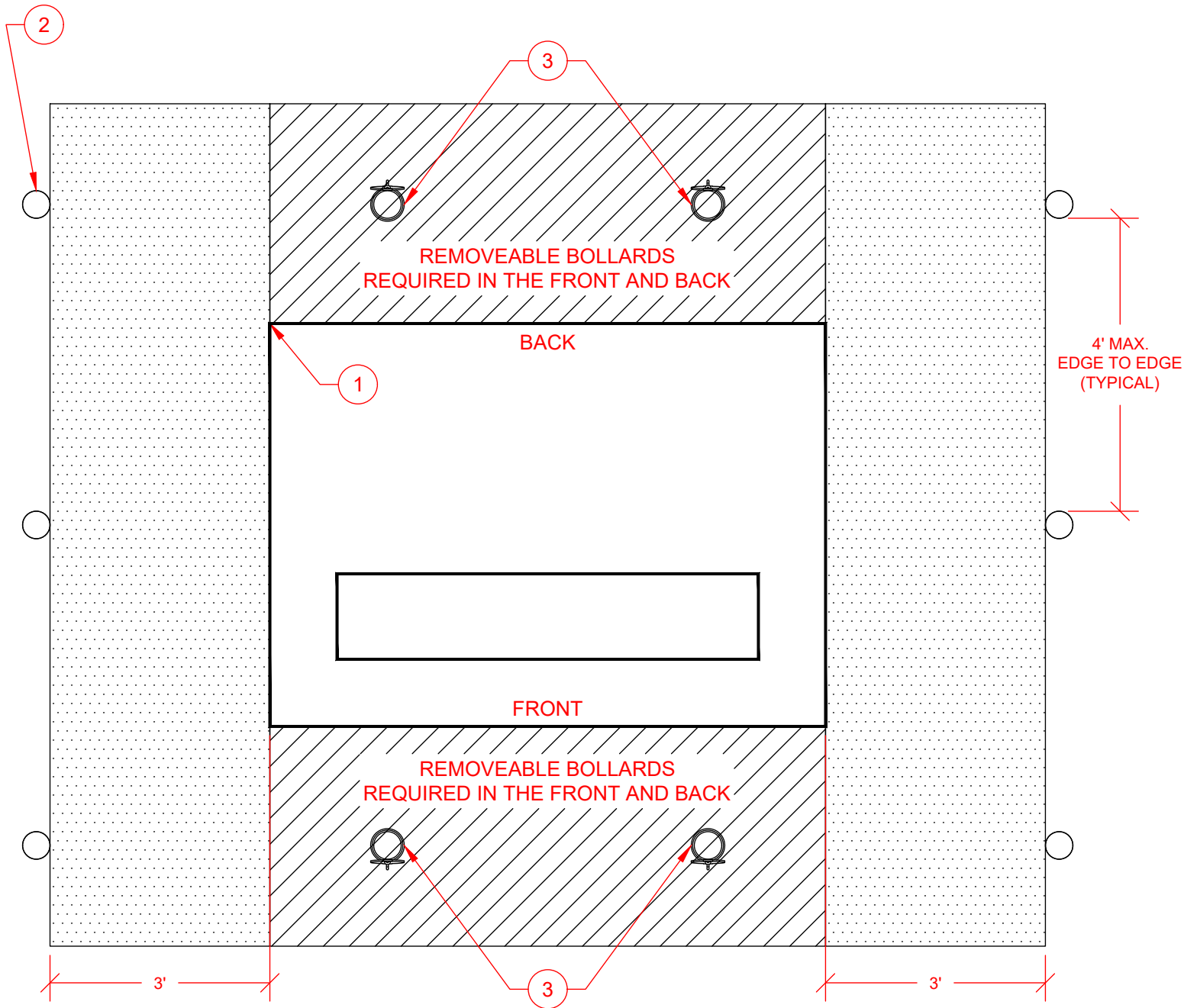


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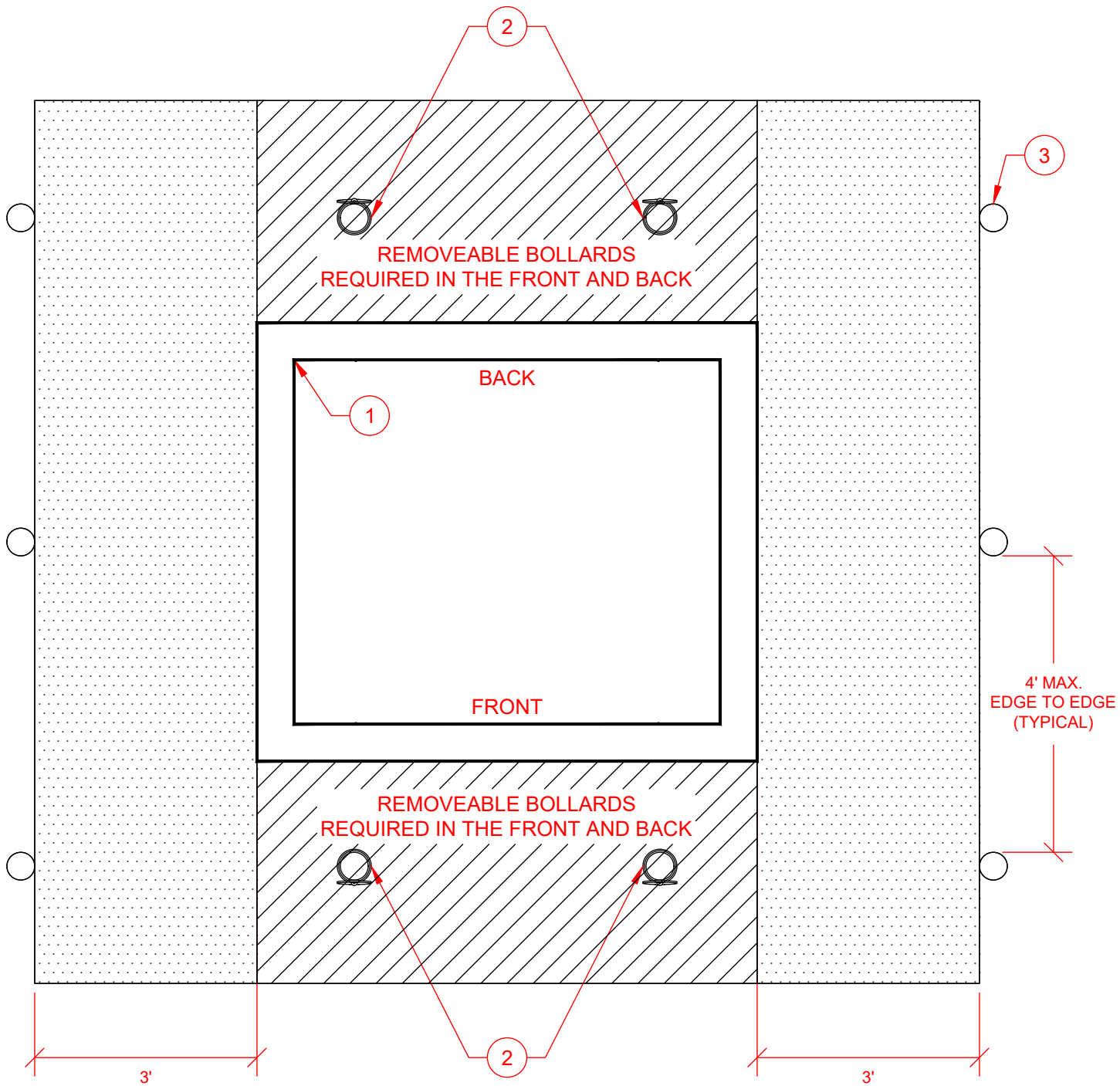
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BOLLARD
REMOVABLE

9550.2-002
Sheet 2 of 2



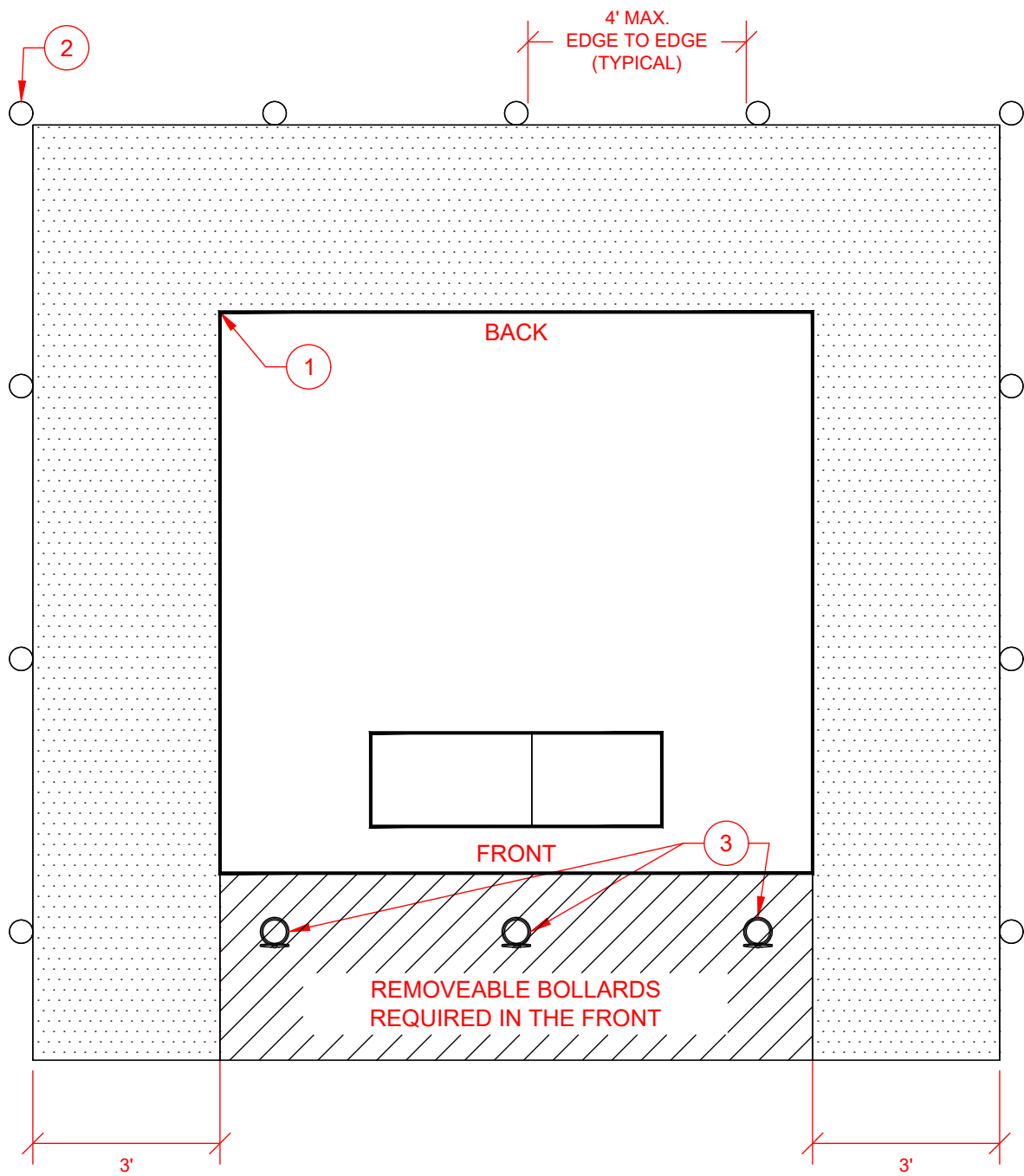
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1	Foundation Primary Metering		Customer	Customer	Customer
2	Bollard NonRemovable	• Required rating: ASTM F3016 P1.	Customer	Customer	Customer
3	Bollard Removable	• Required rating: ASTM F3016 P1. • Must include a lifting provision rated for weight of bollard.	Customer	Customer	Customer





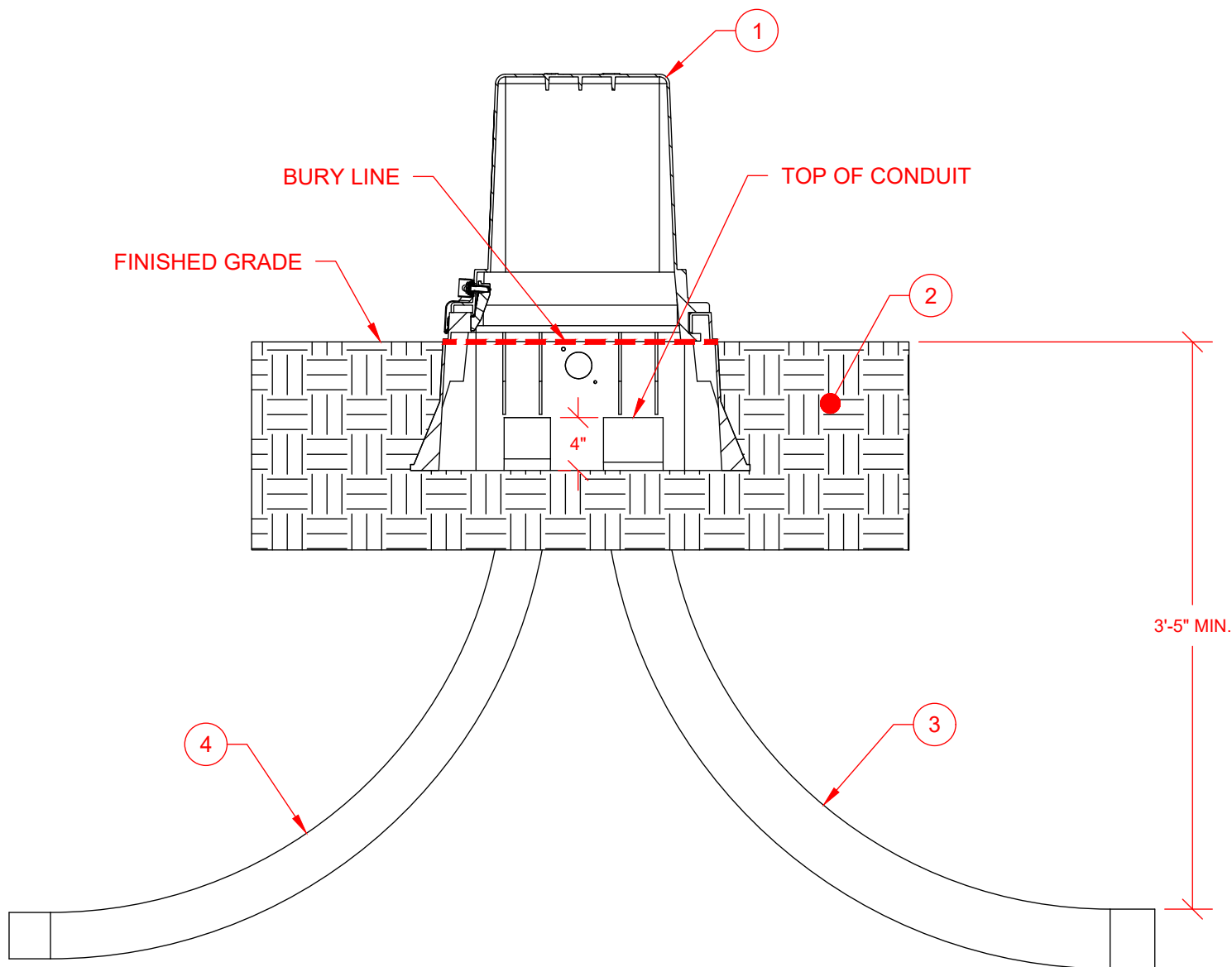
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1	Foundation Switchgear		Customer	Customer	Evergy
2	Bollard NonRemovable	• Required rating: ASTM F3016 P1.	Customer	Customer	Customer
3	Bollard Removable	• Required rating: ASTM F3016 P1. • Must include a lifting provision rated for weight of bollard.	Customer	Customer	Customer

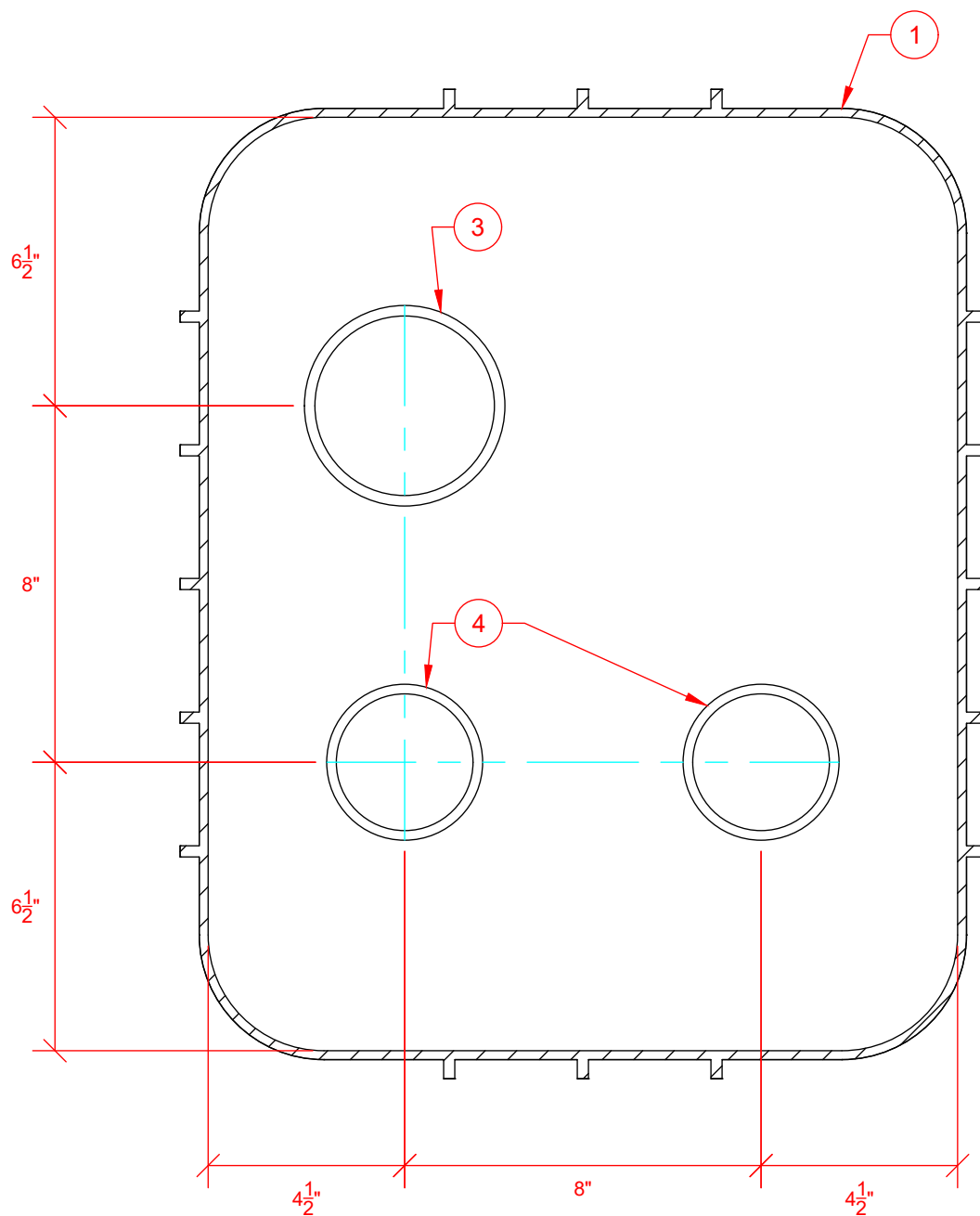


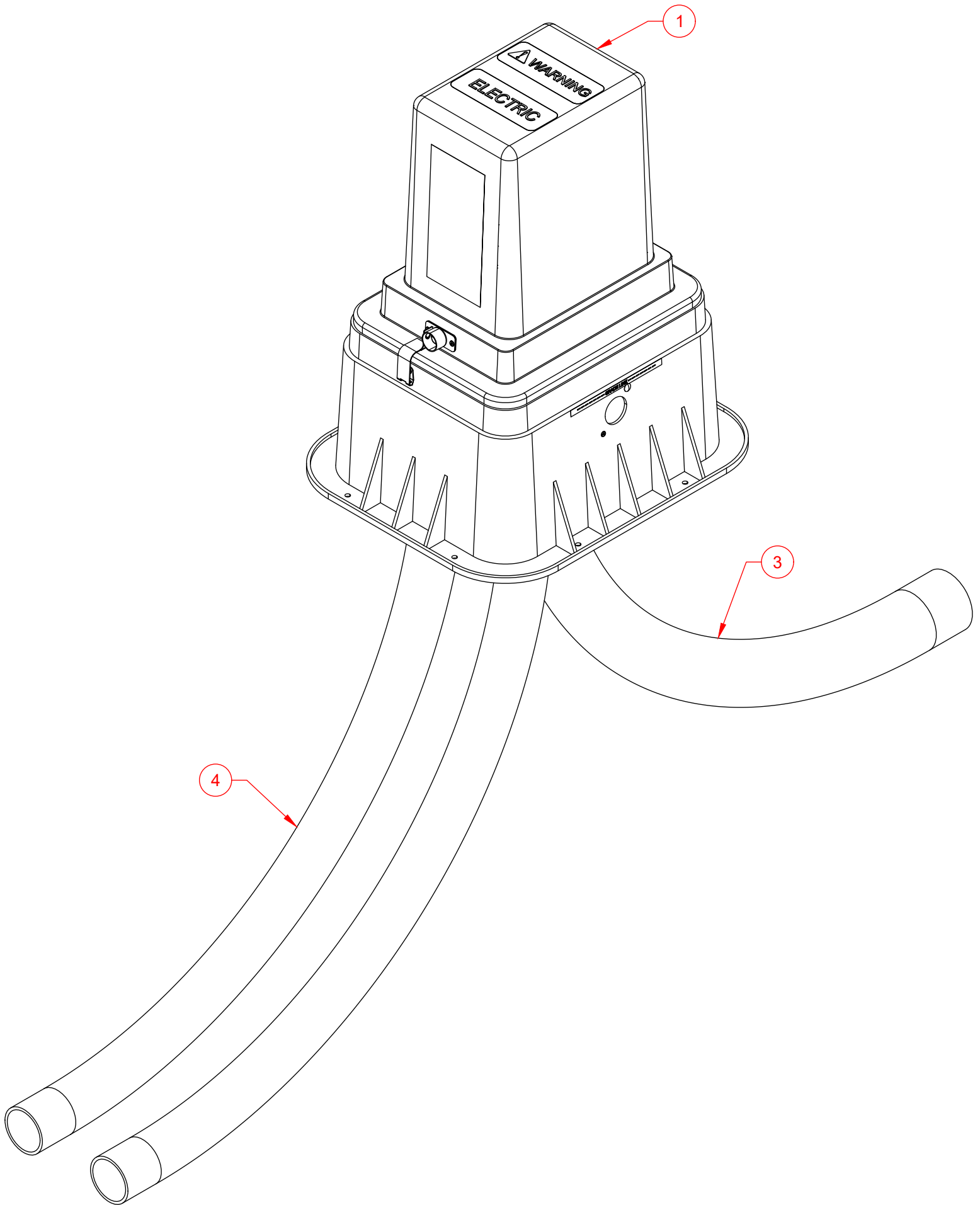


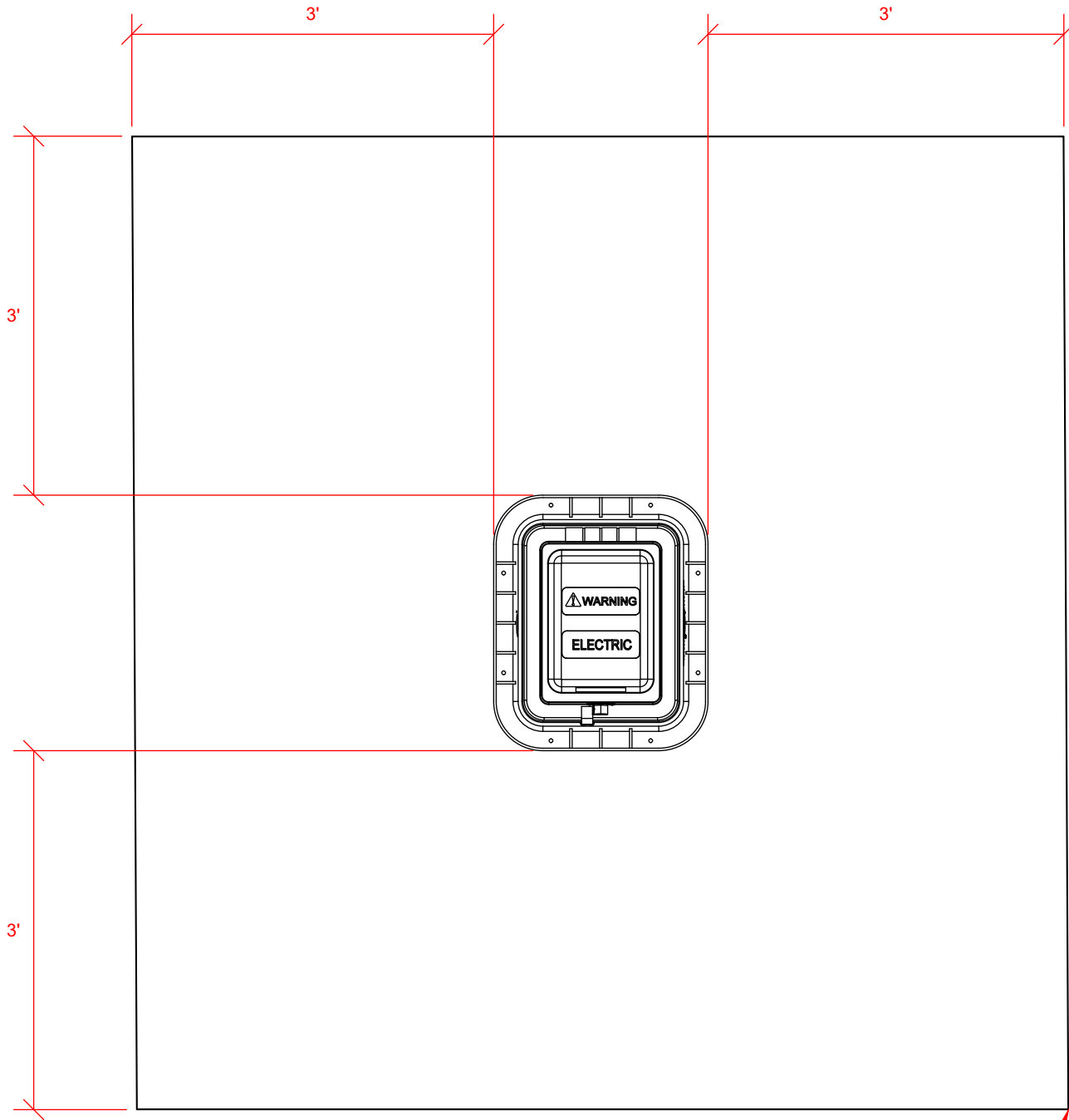
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1	Foundation Transformer		Customer	Customer	Customer
2	Bollard NonRemovable	• Required rating: ASTM F3016 P1.	Customer	Customer	Customer
3	Bollard Removable	• Required rating: ASTM F3016 P1. • Must include a lifting provision rated for weight of bollard.	Customer	Customer	Customer







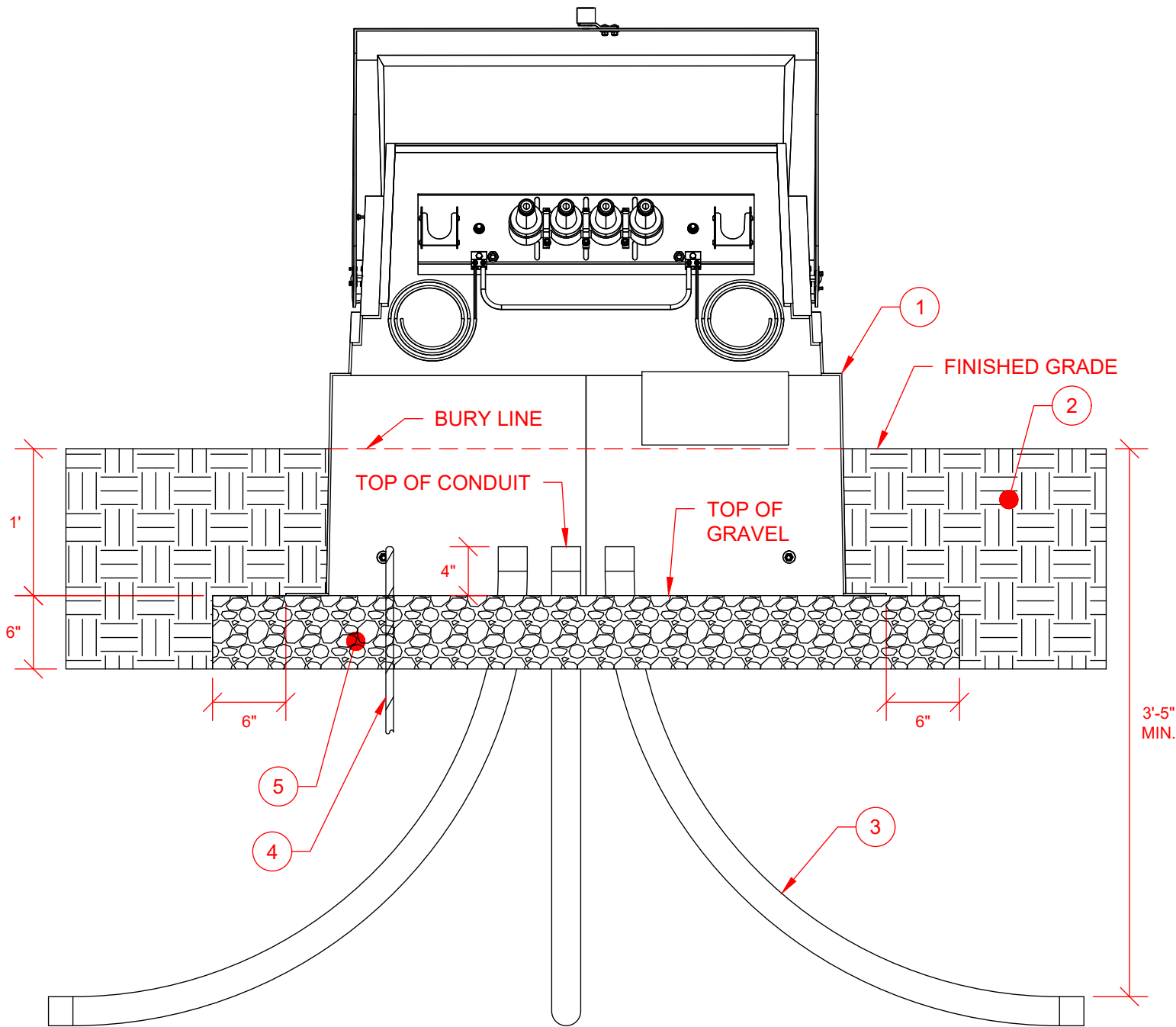




MINIMUM
CLEARANCE
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OBSTRUCTIONS

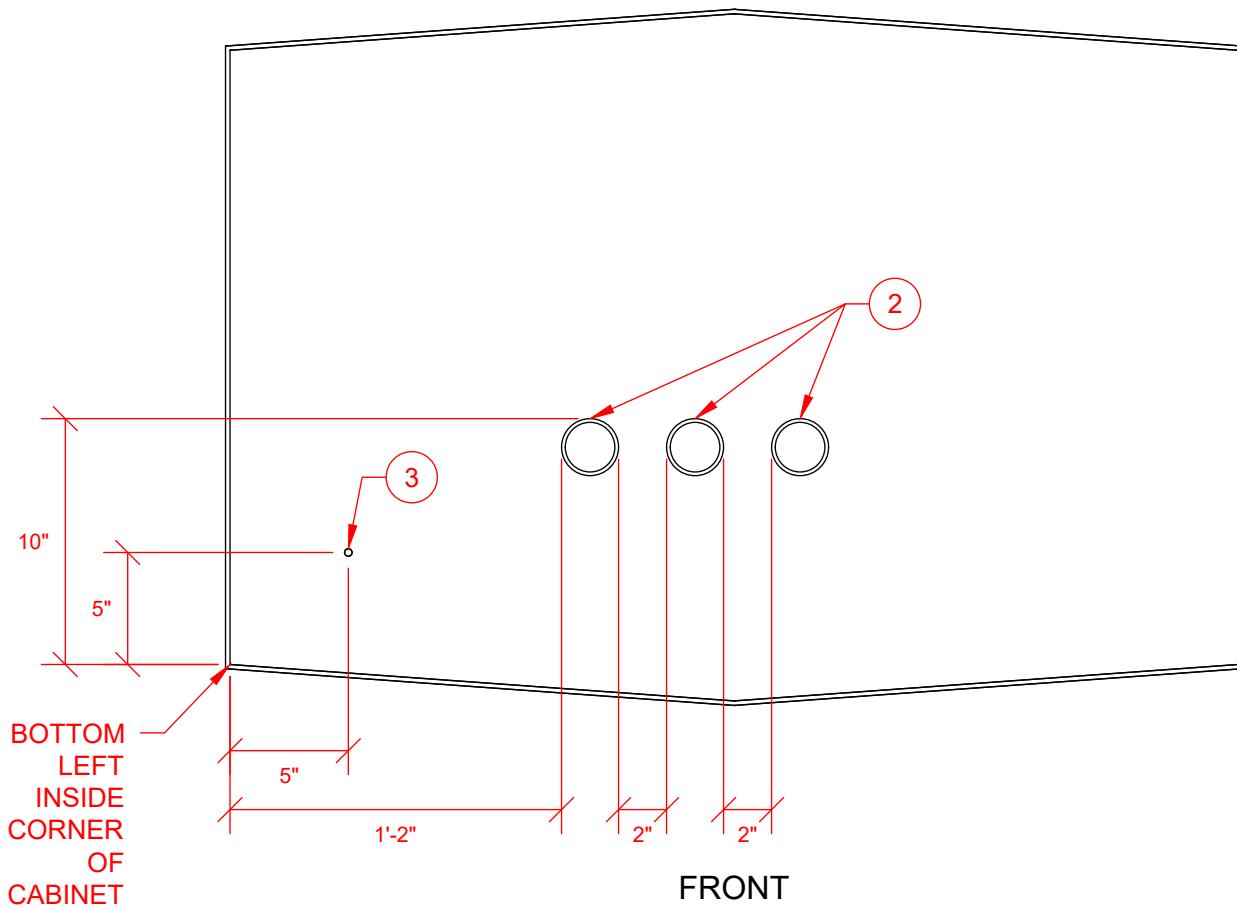
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1	Pedestal Secondary		Evergy	Customer	Evergy
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Secondary Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Service Conduit.	Customer	Customer	Customer

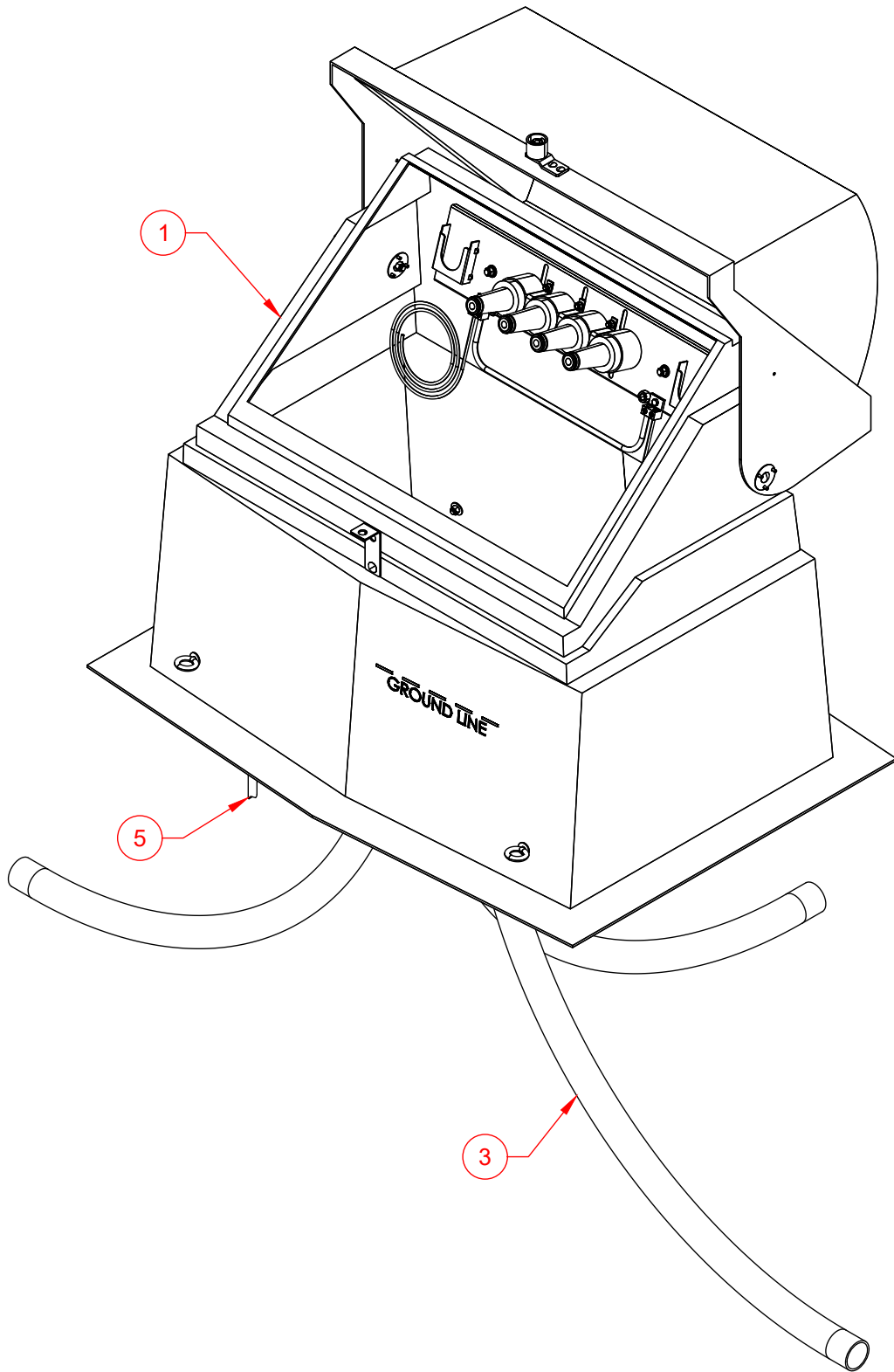


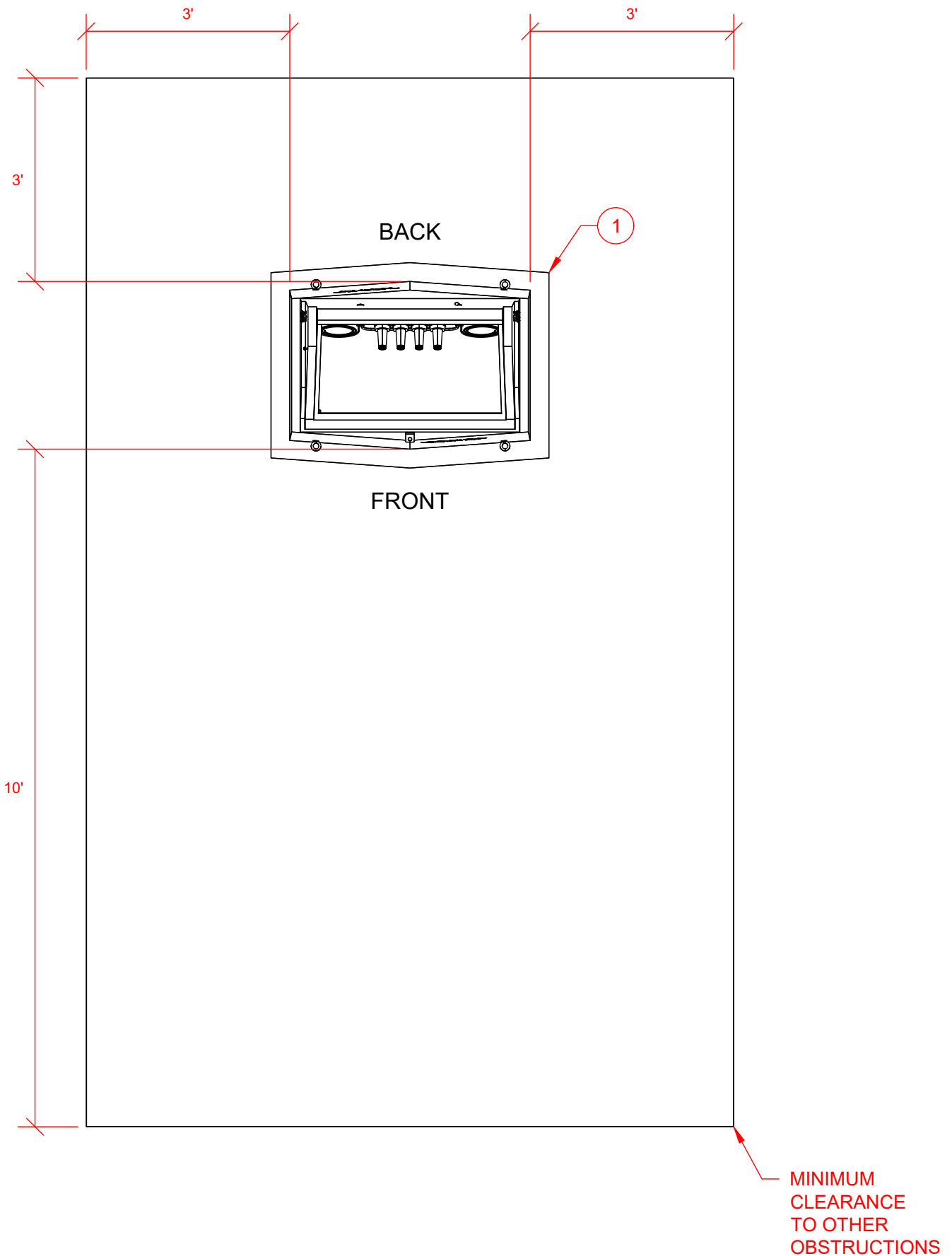


CONDUIT WINDOW

BACK



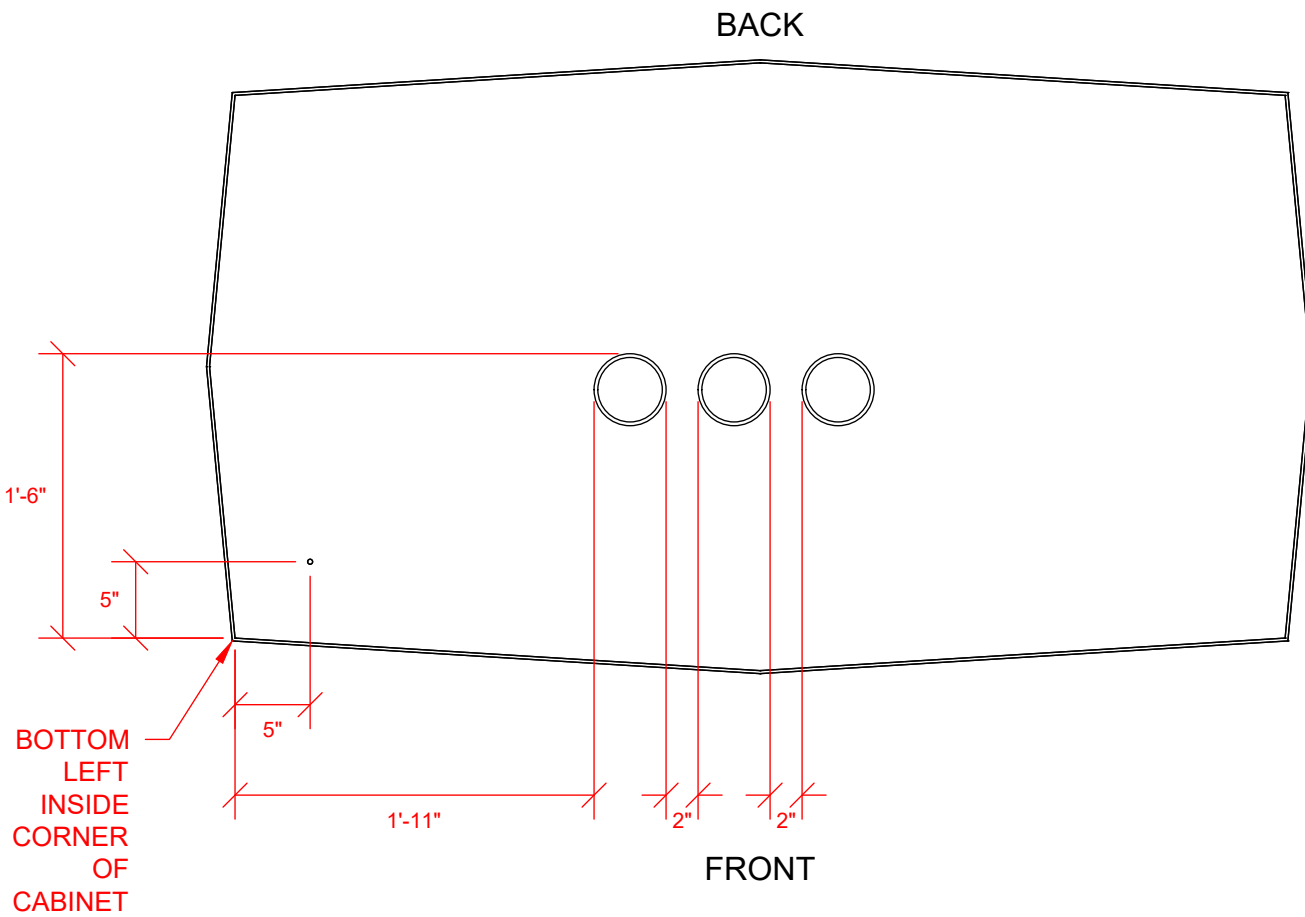


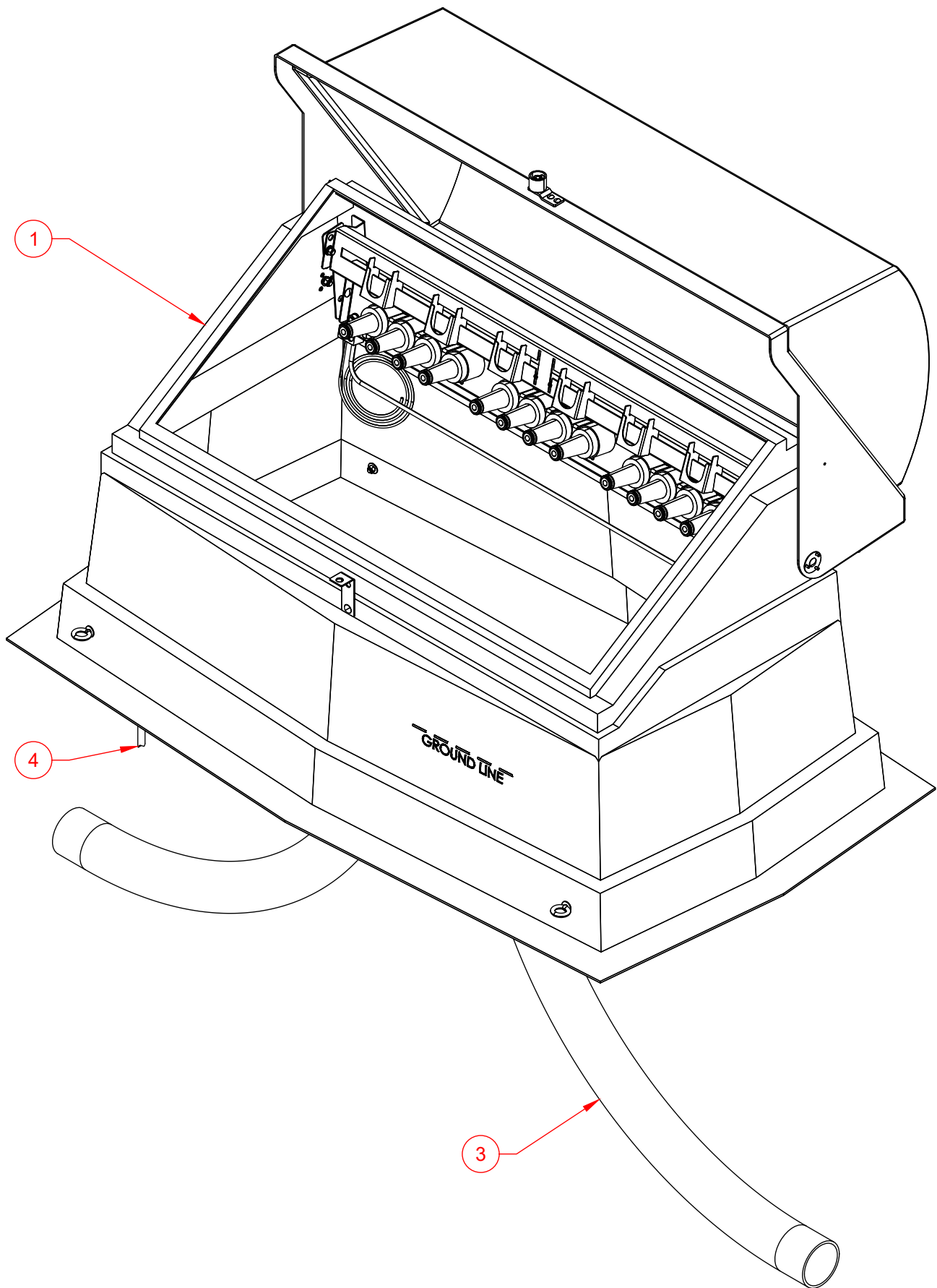


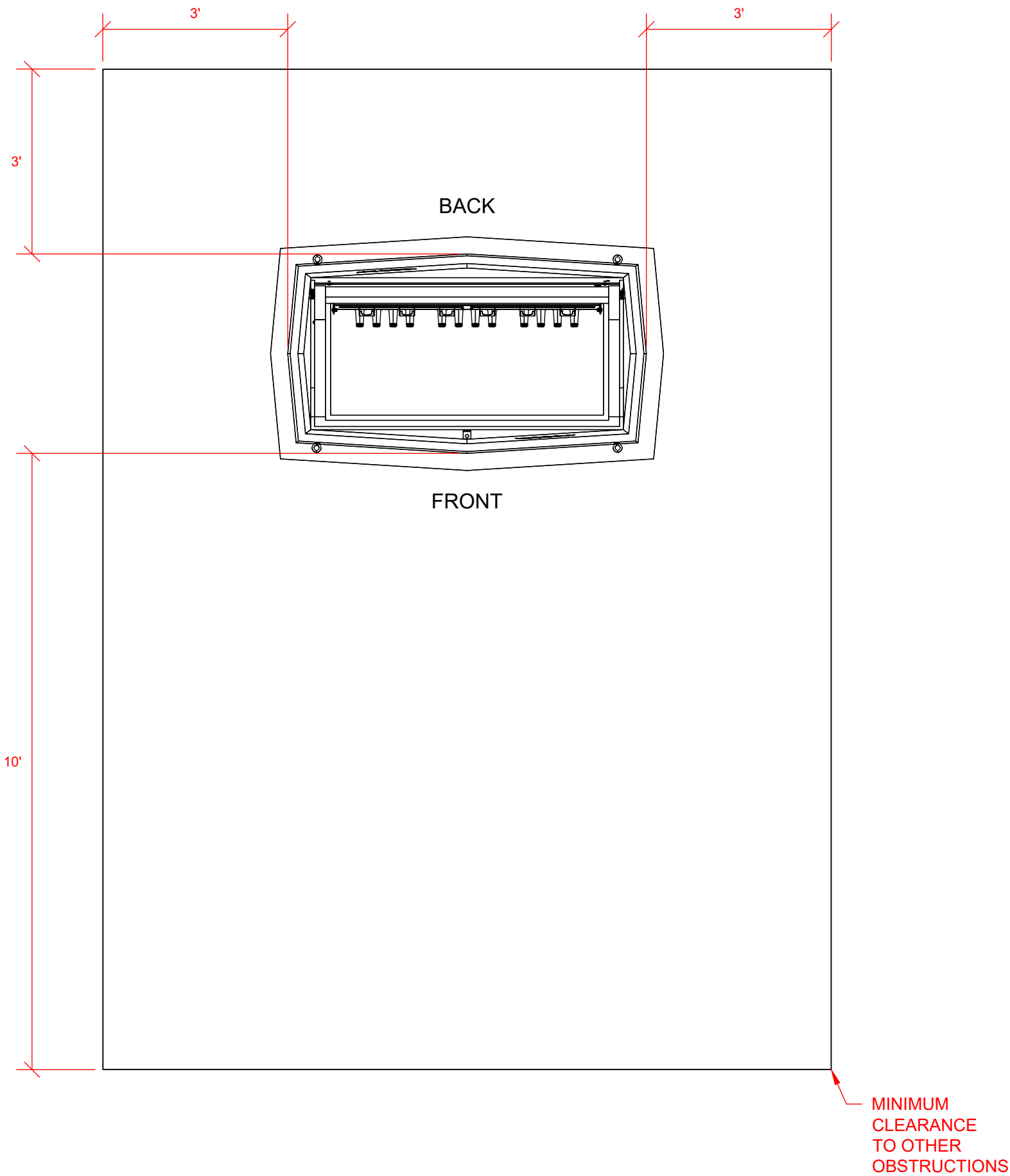
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1	Sectionalizing Cabinet		Evergy	Customer	Evergy
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Single Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Grounding Electrode		Evergy	Customer	Evergy
5	Gravel AB3		Customer	Customer	Customer



CONDUIT WINDOW

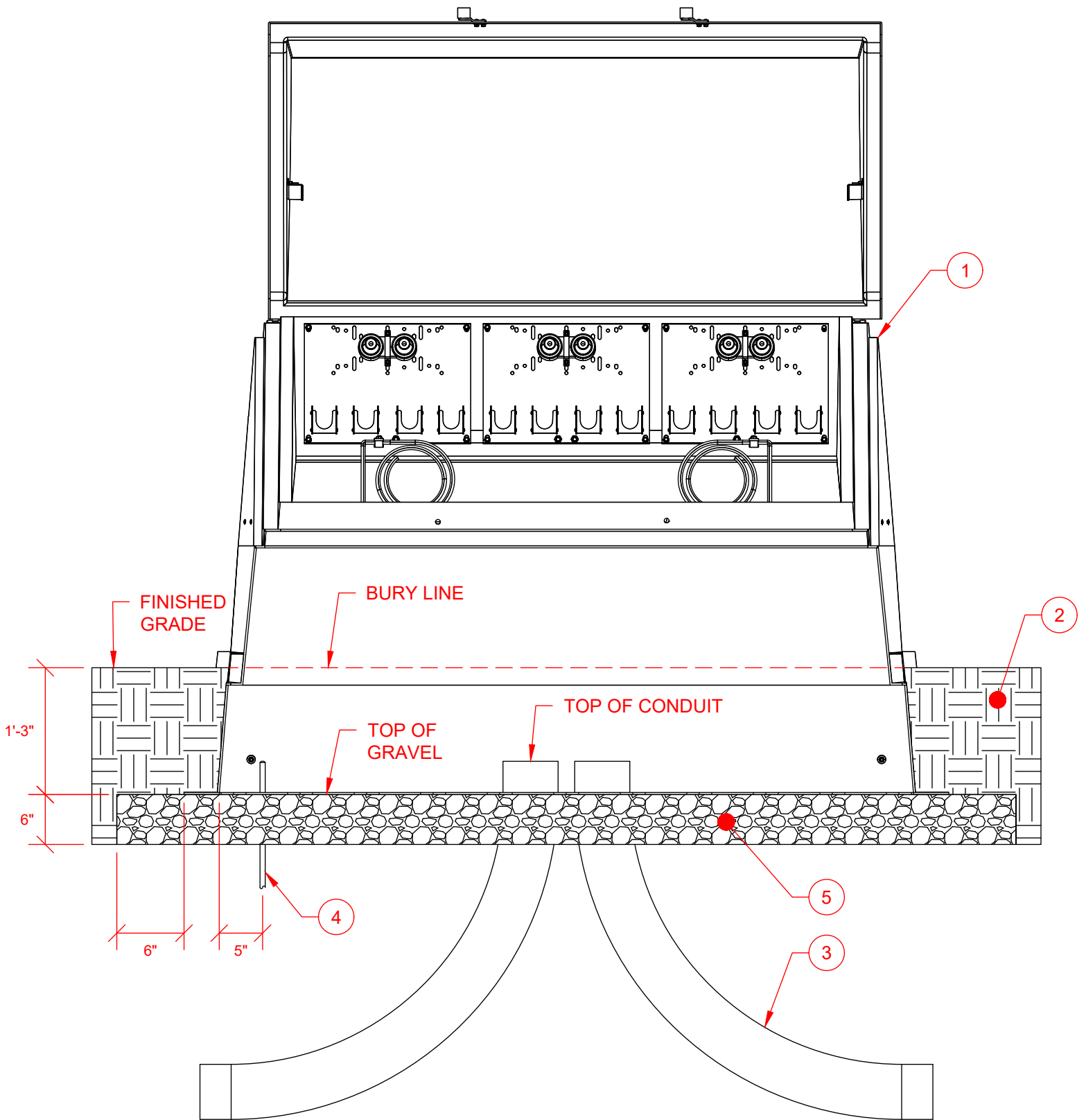




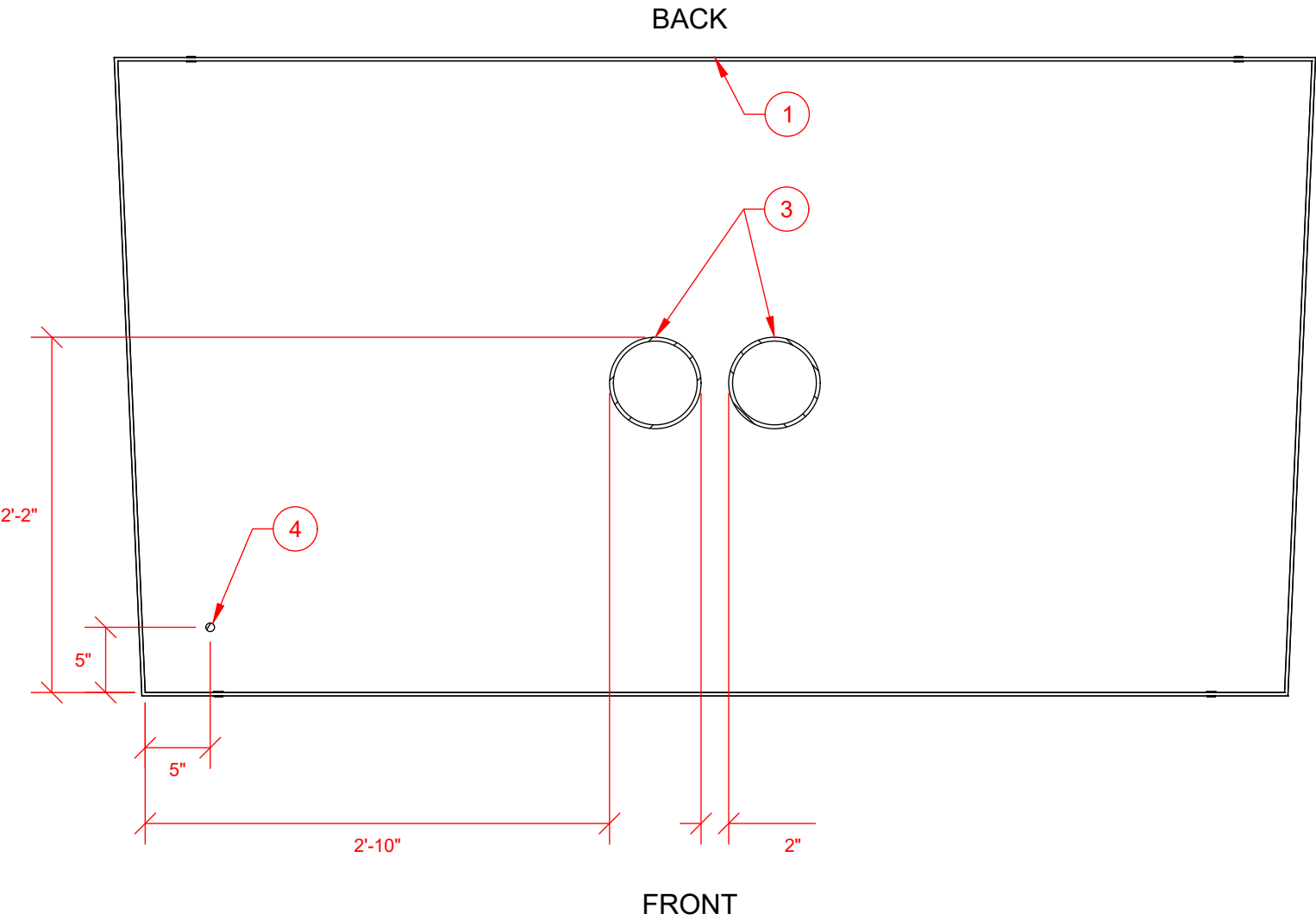


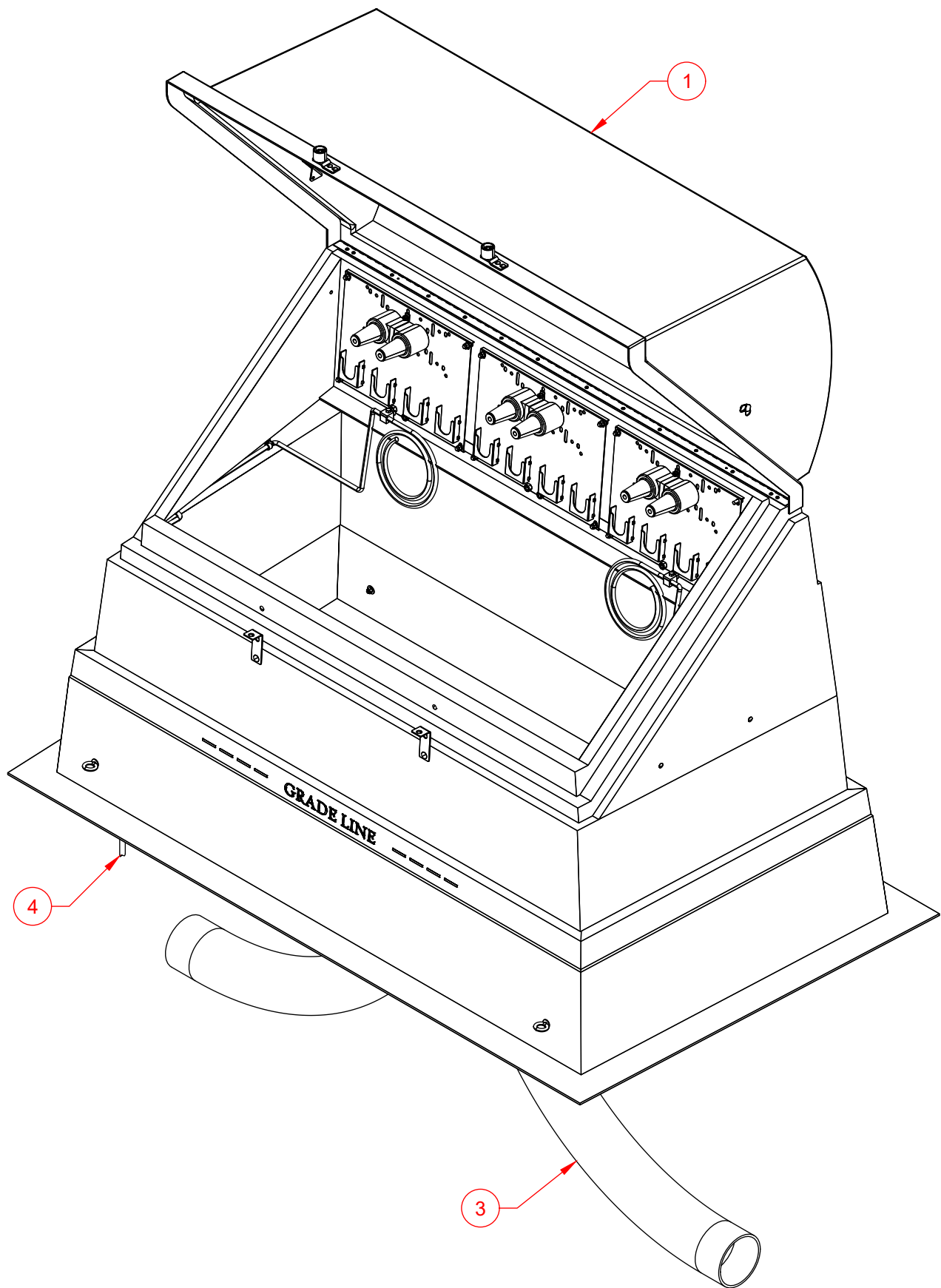
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1	Sectionalizing Cabinet		Evergy	Customer	Evergy
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Three Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Grounding Electrode		Evergy	Customer	Evergy
5	Gravel AB3		Customer	Customer	Customer

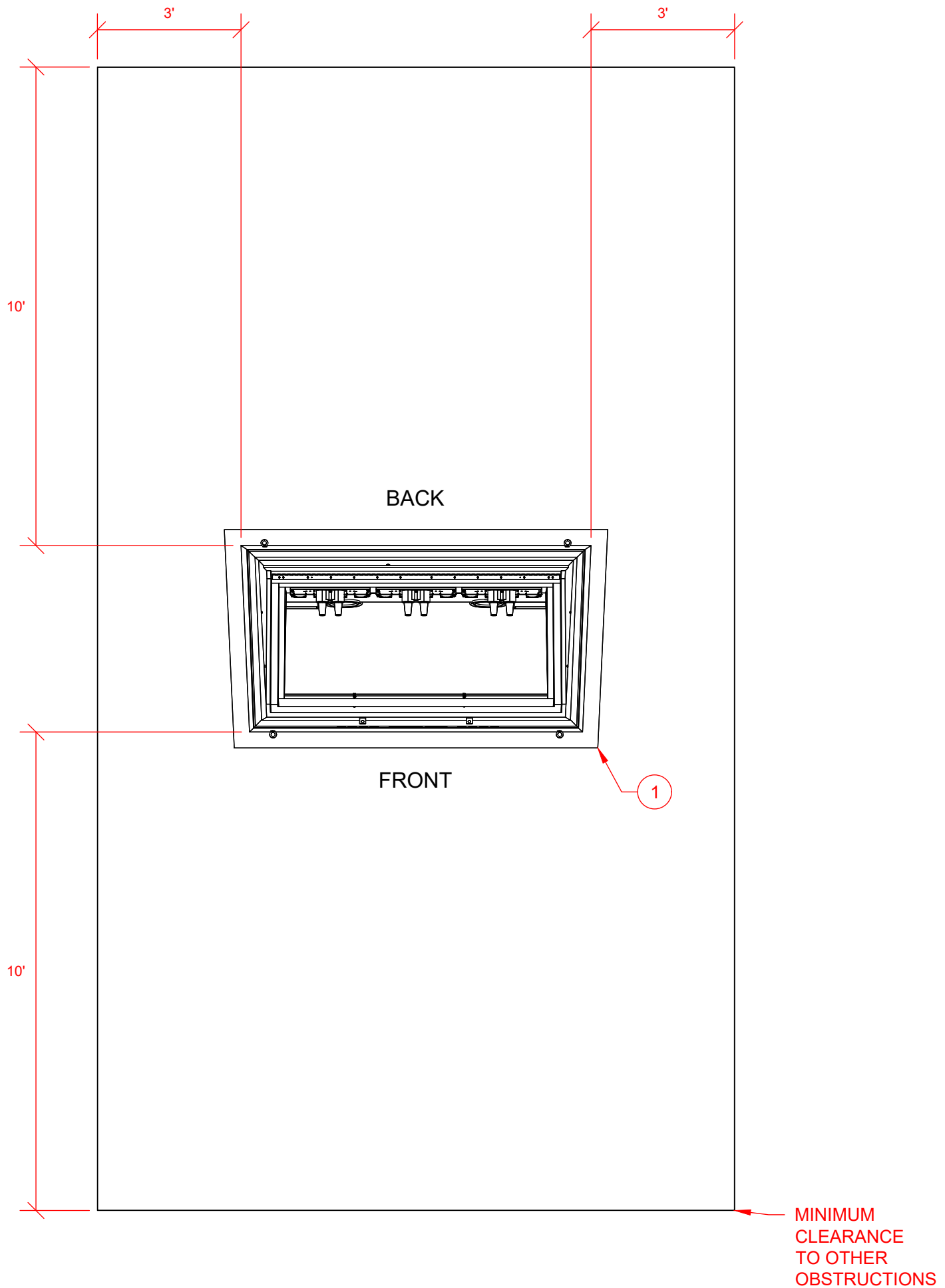




CONDUIT WINDOW

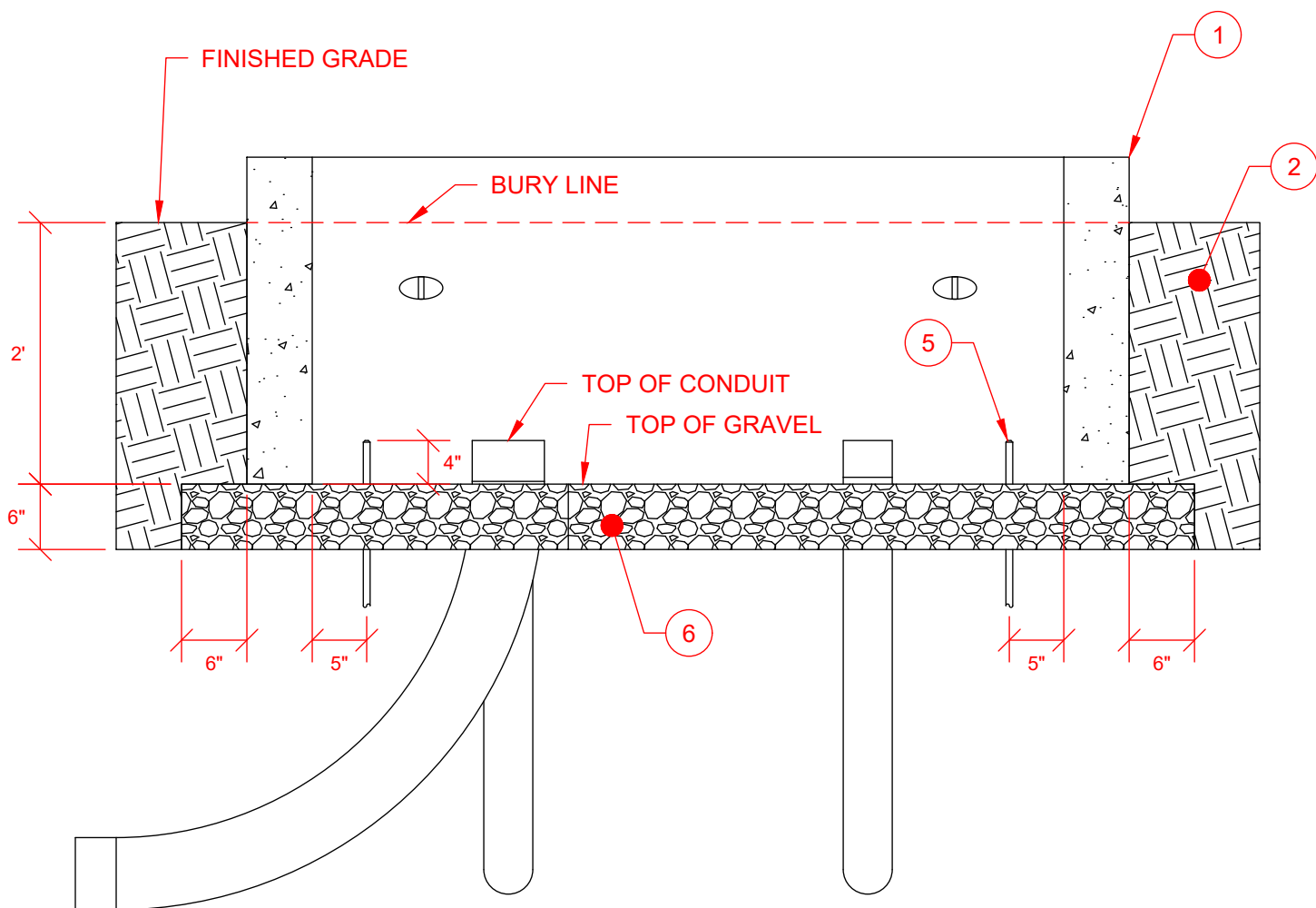




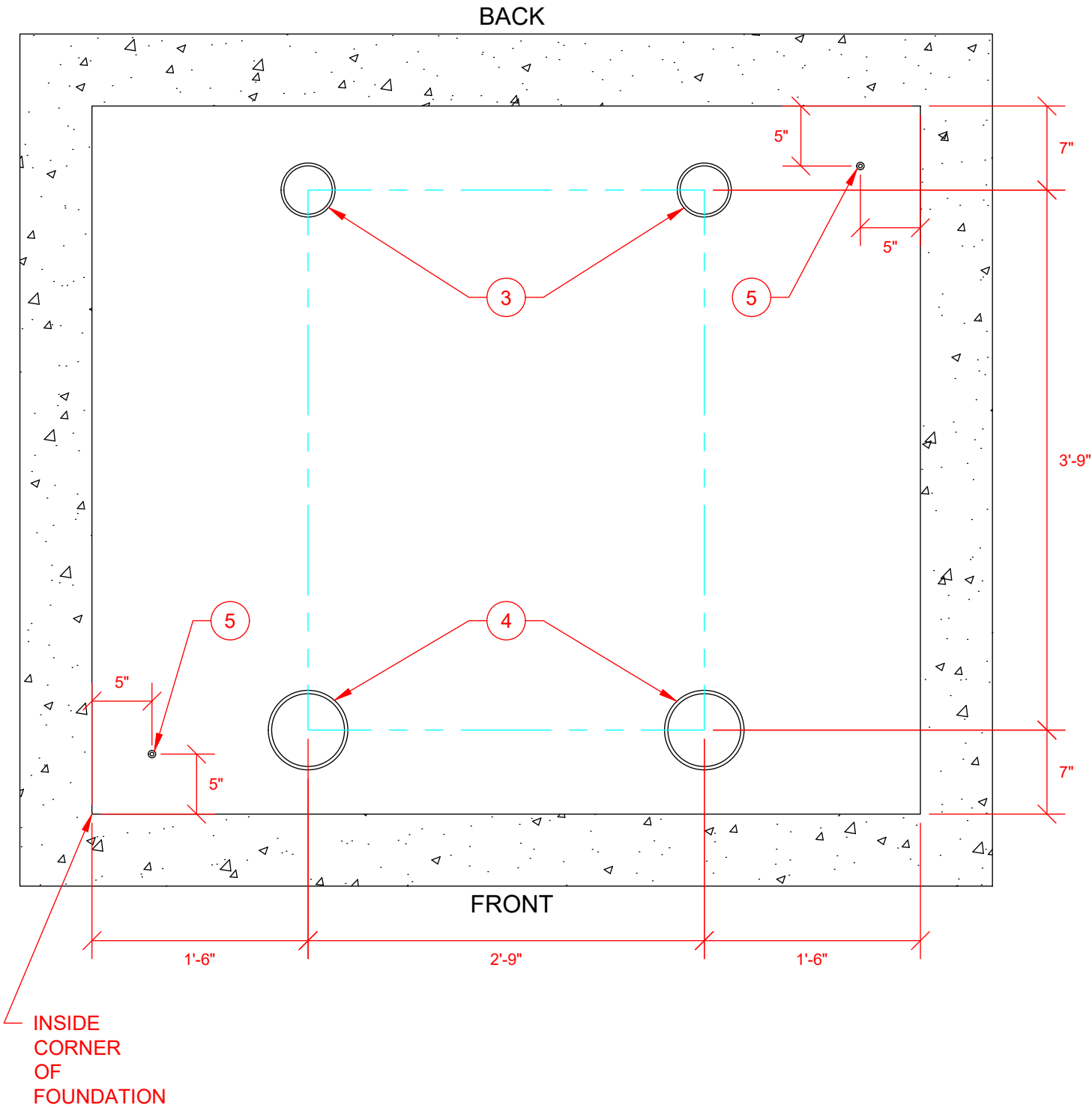


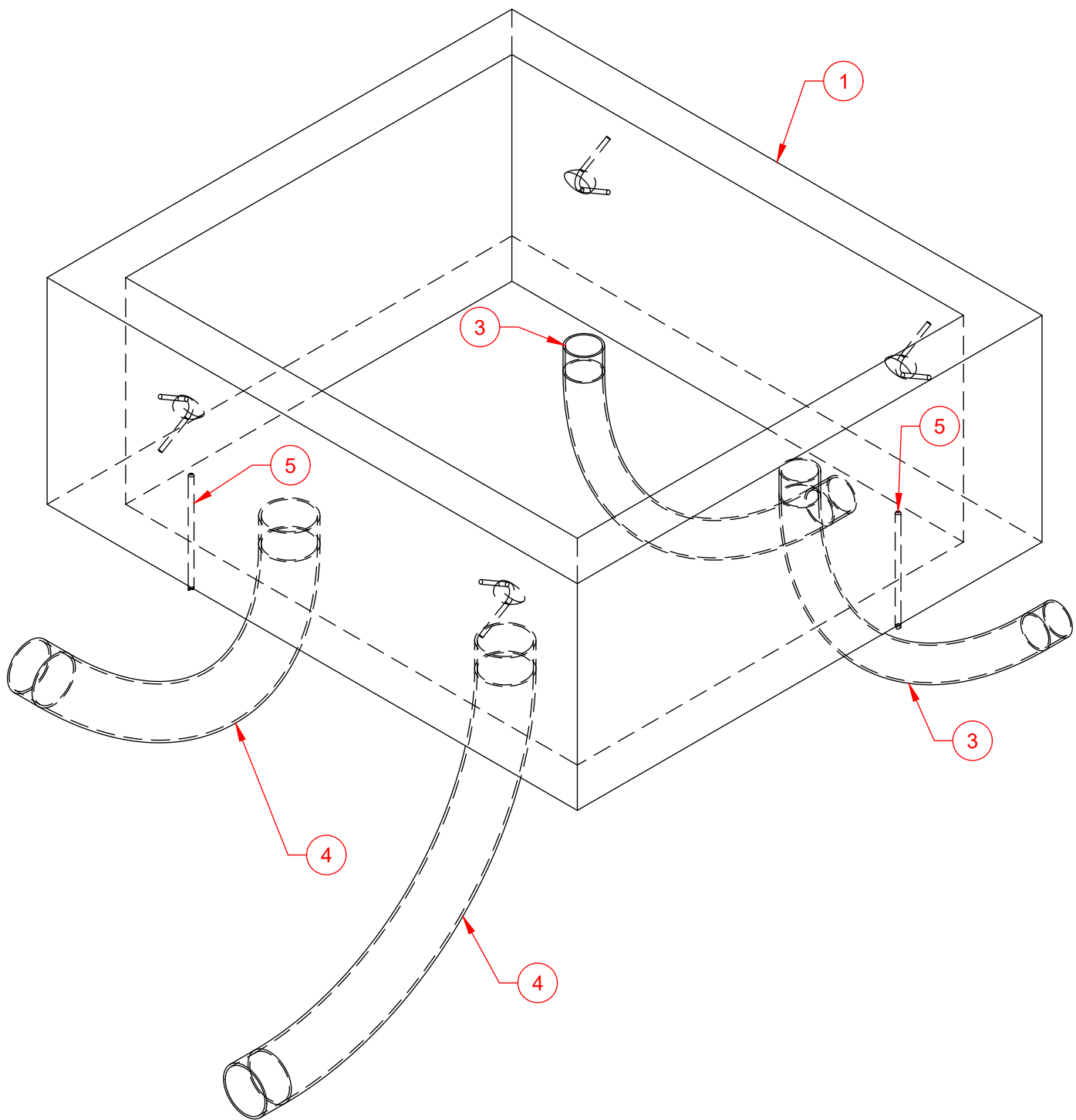
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3	Bend Conduit	• Feeder Conduit.	Customer (Initial)	Customer	Evergy
4	Grounding Electrode		Evergy	Customer	Evergy
5	Gravel AB3		Customer	Customer	Customer

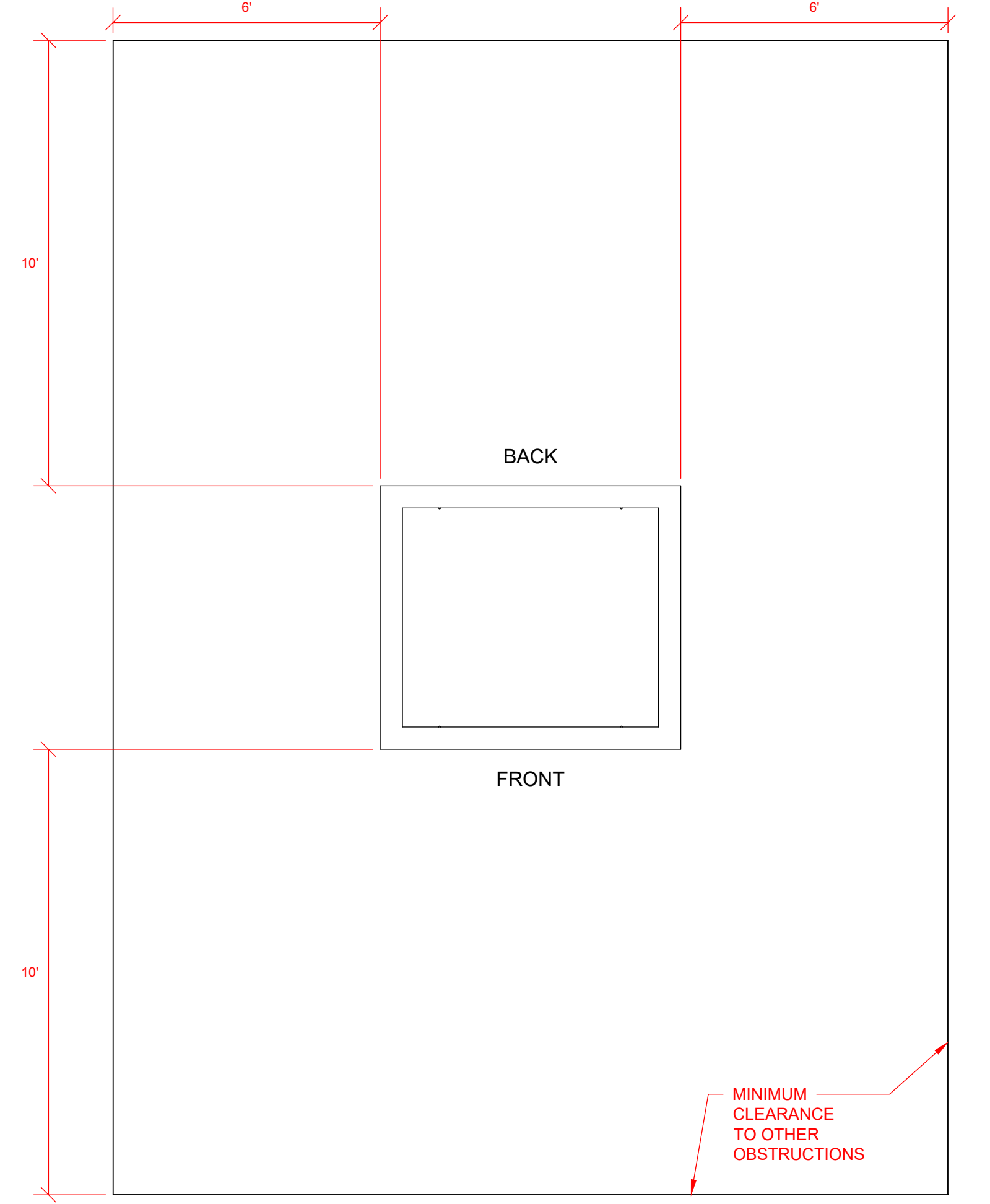




CONDUIT WINDOW

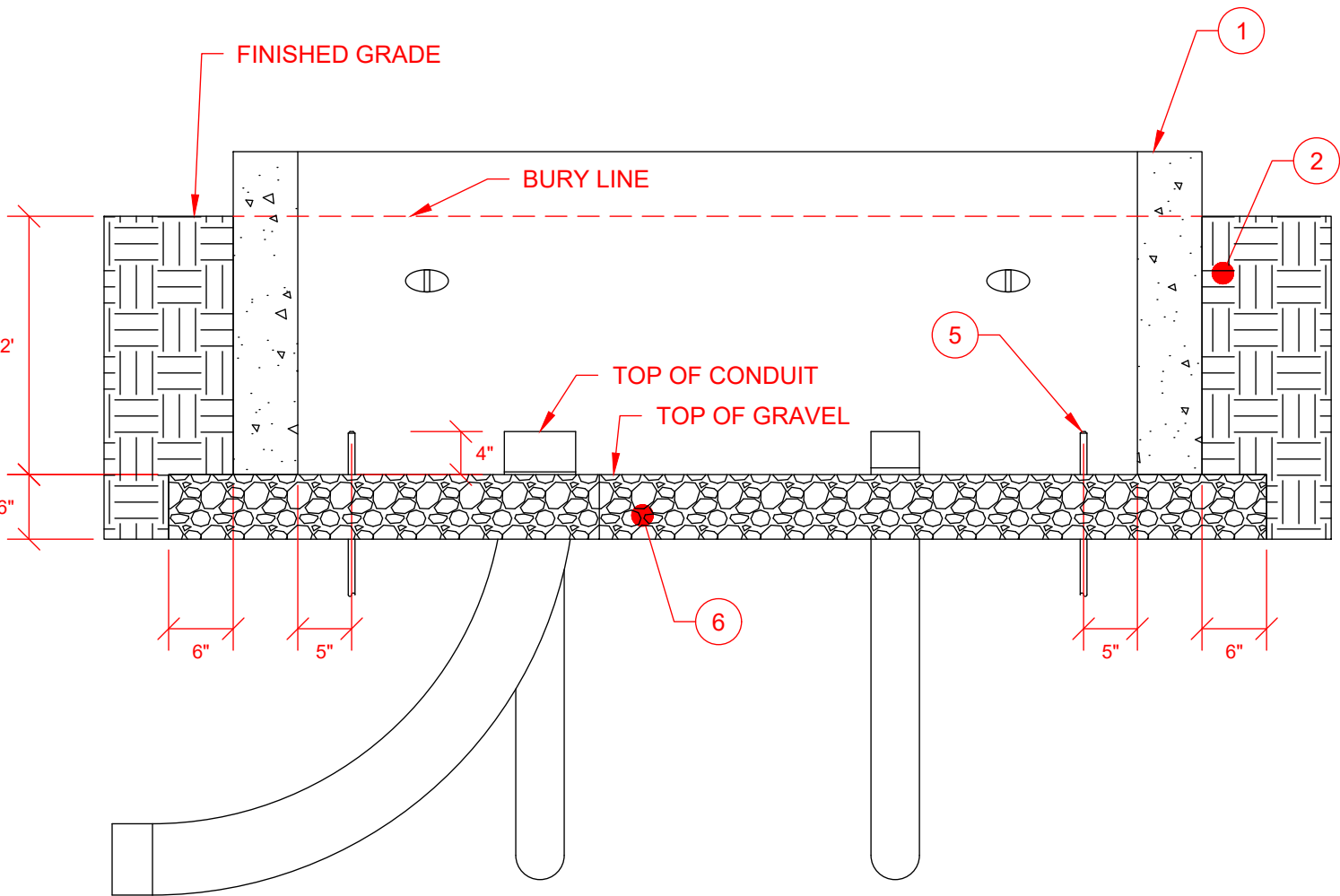




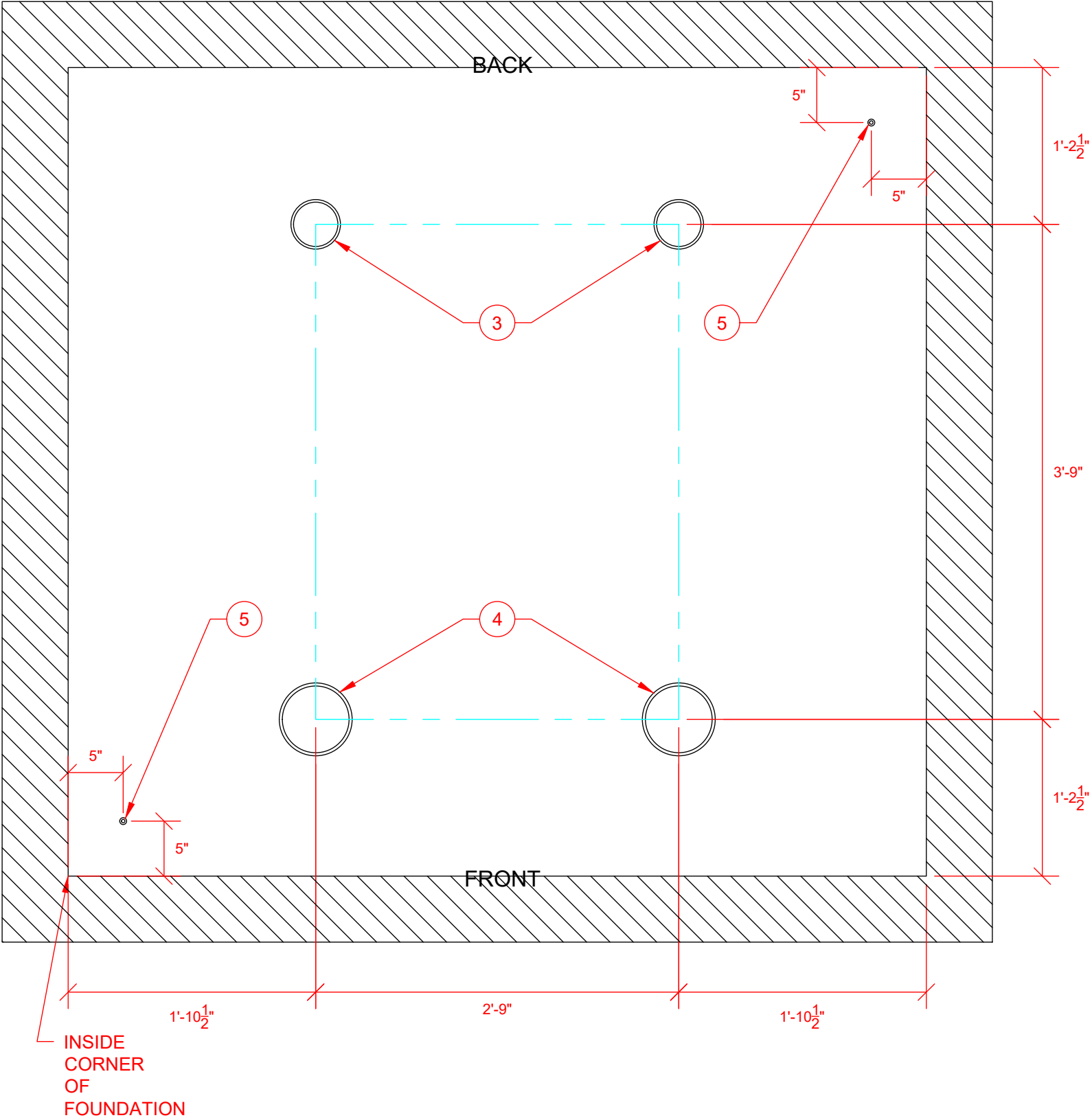


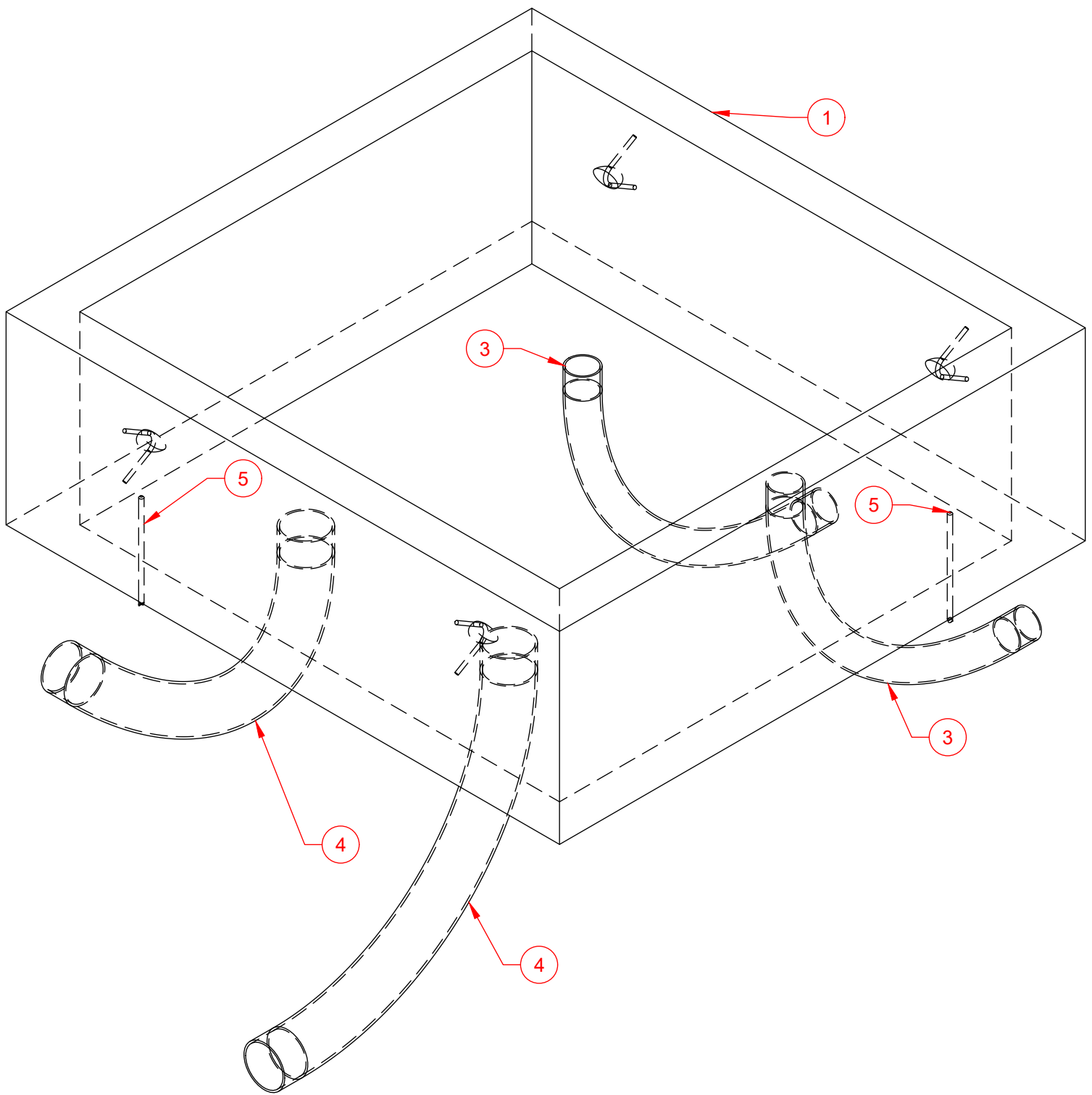
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2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Three Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Feeder Conduit.	Customer (Initial)	Customer	Evergy
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer

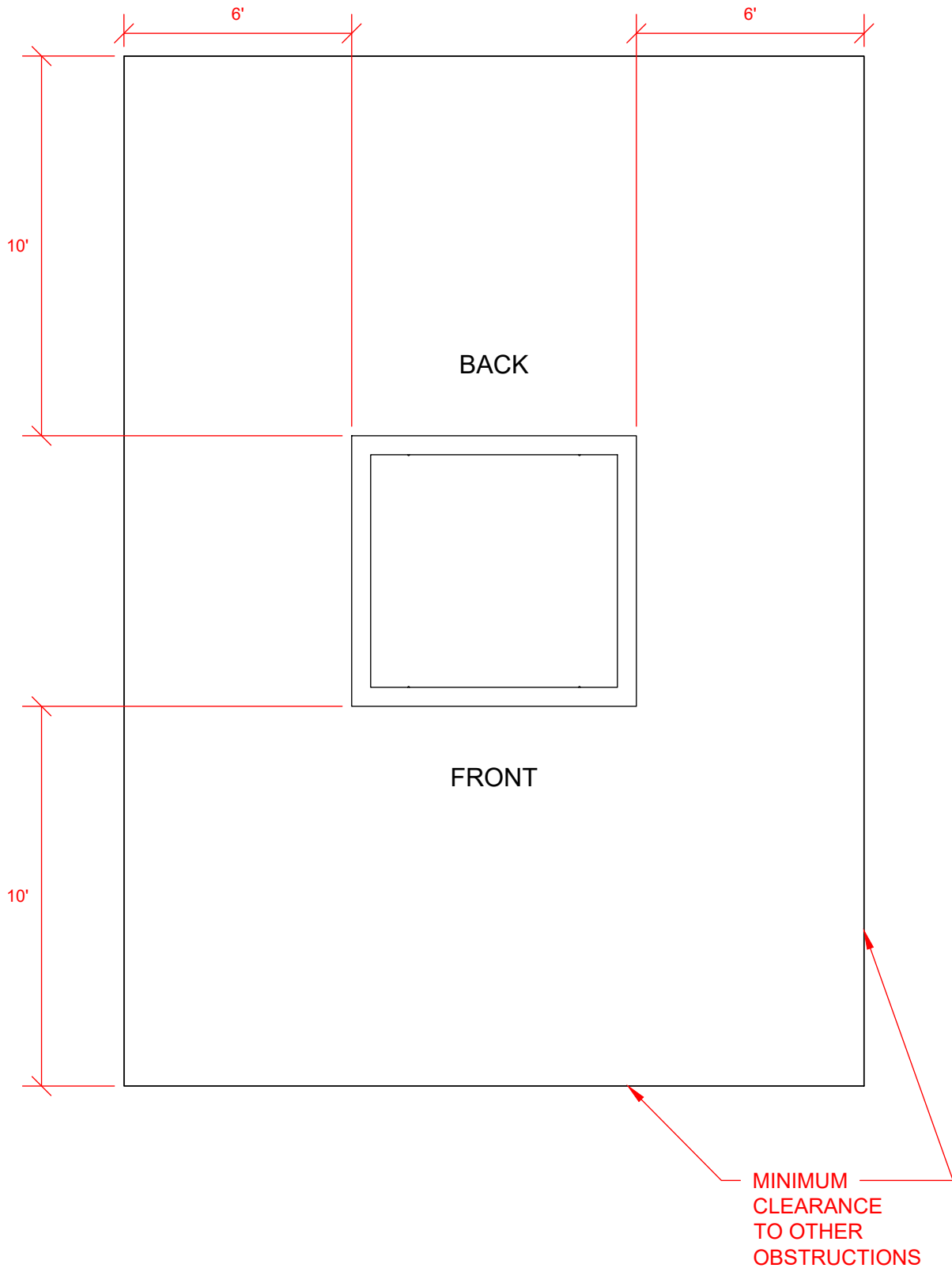




CONDUIT WINDOW

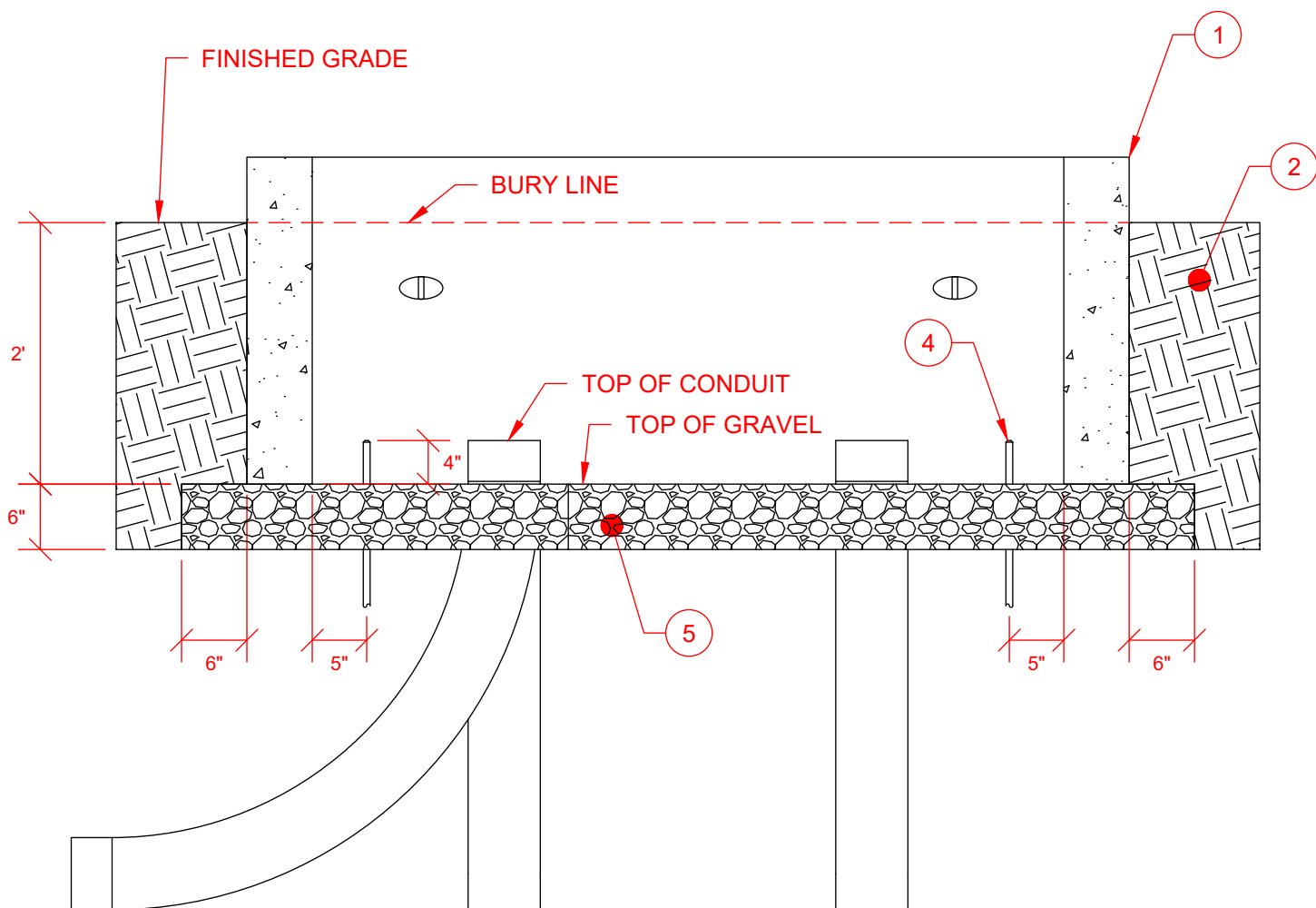




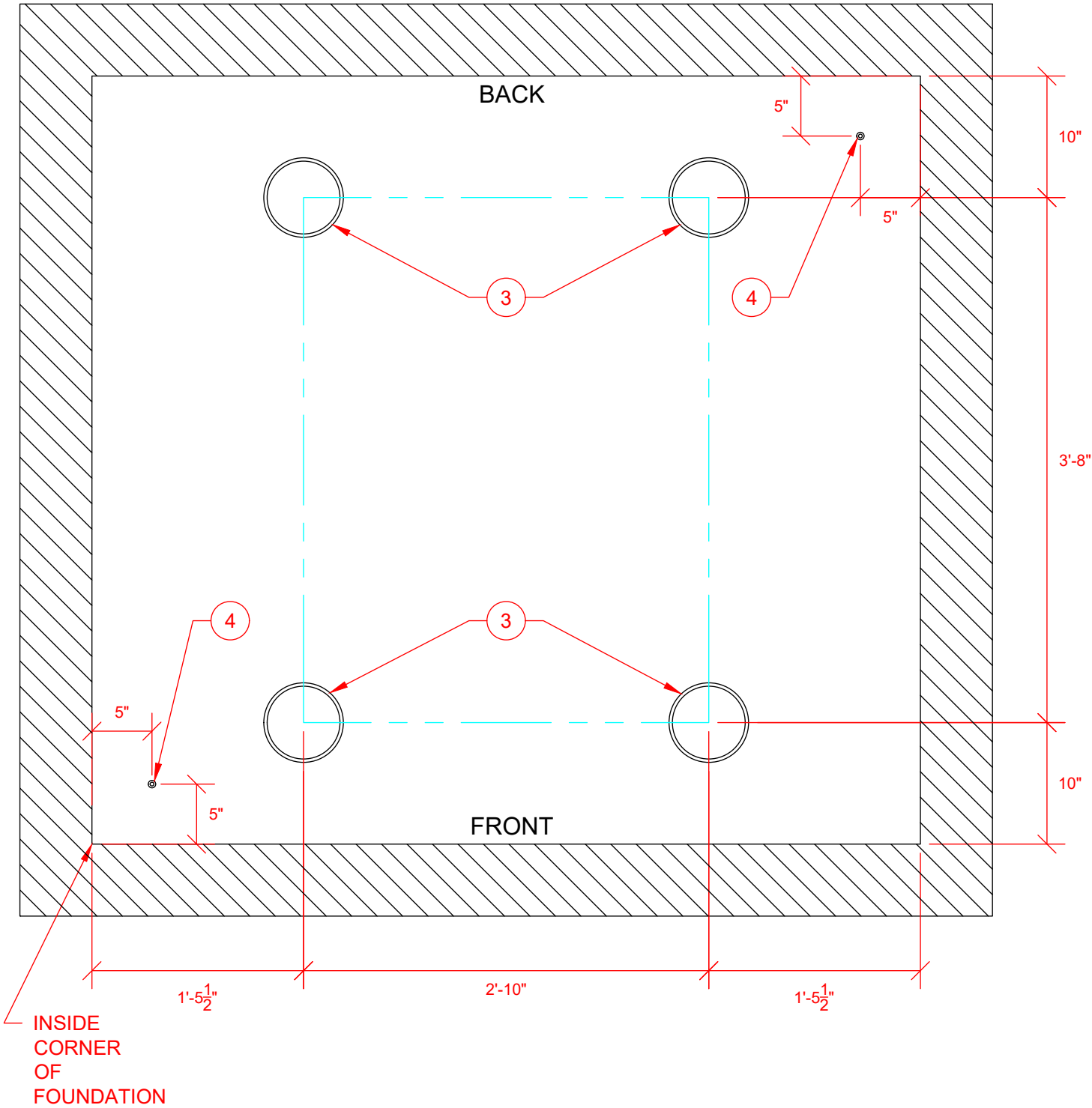


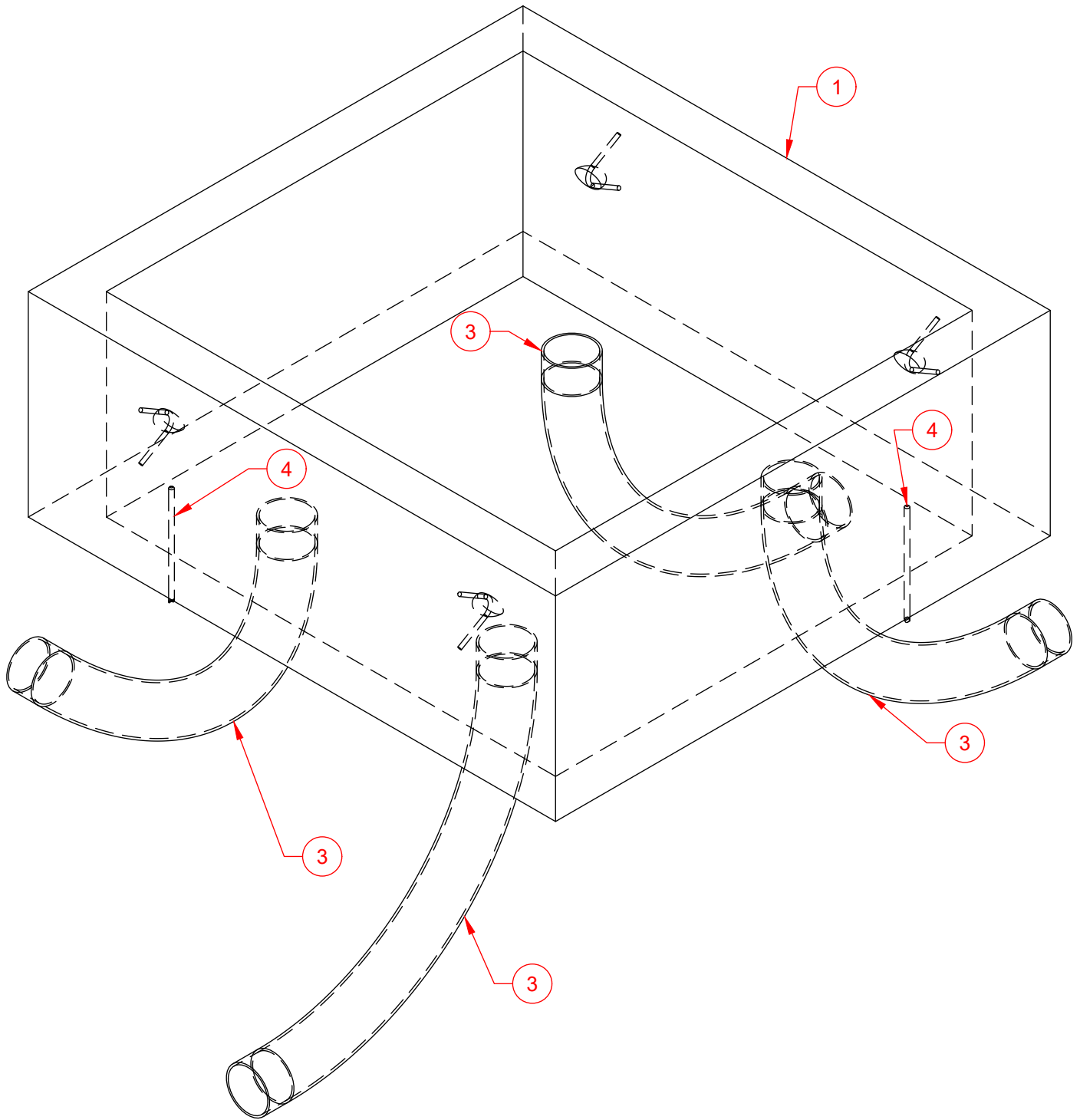
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4	Bend Conduit	• Feeder Conduit.	Customer (Initial)	Customer	Evergy
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer

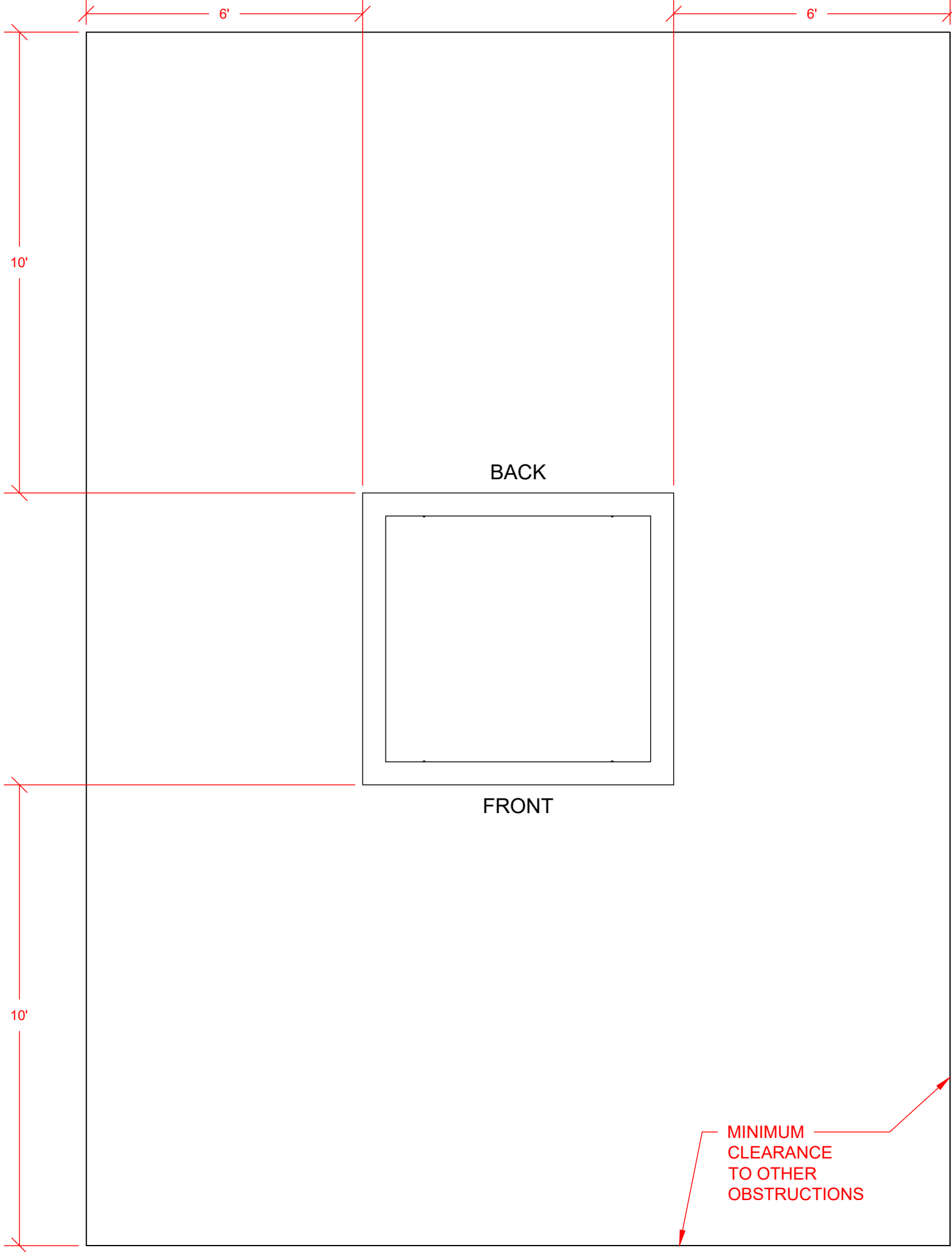




CONDUIT WINDOW

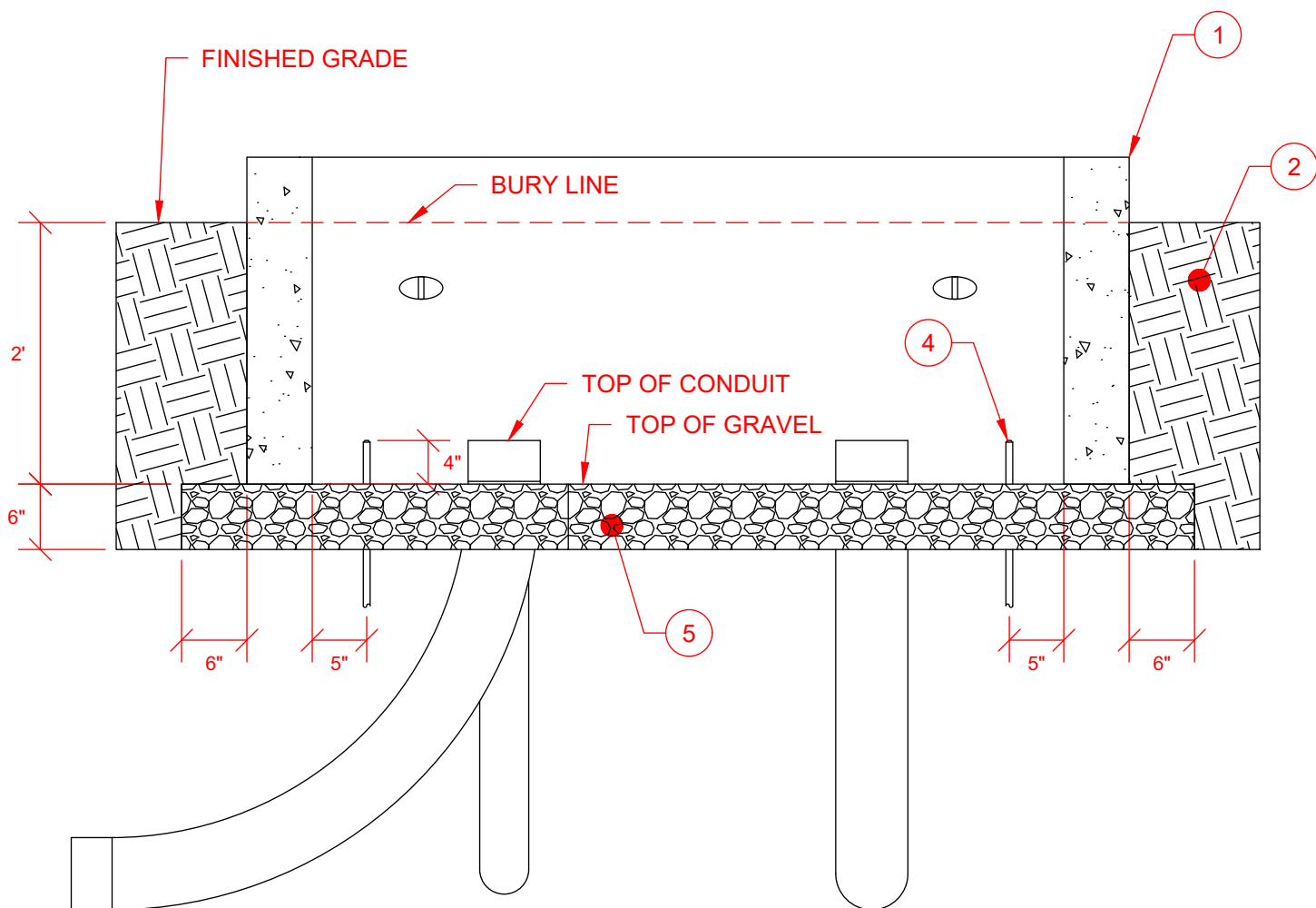




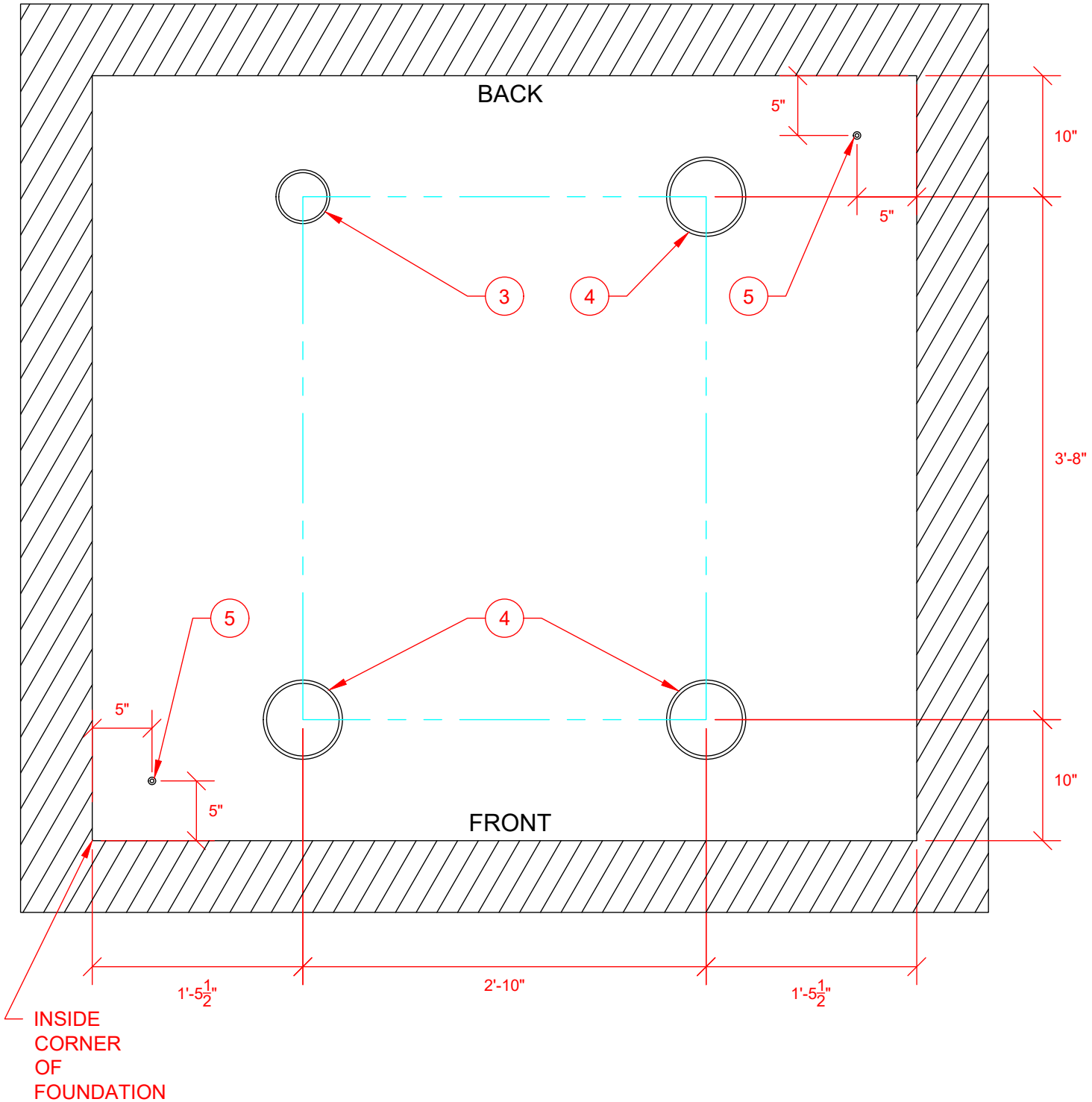


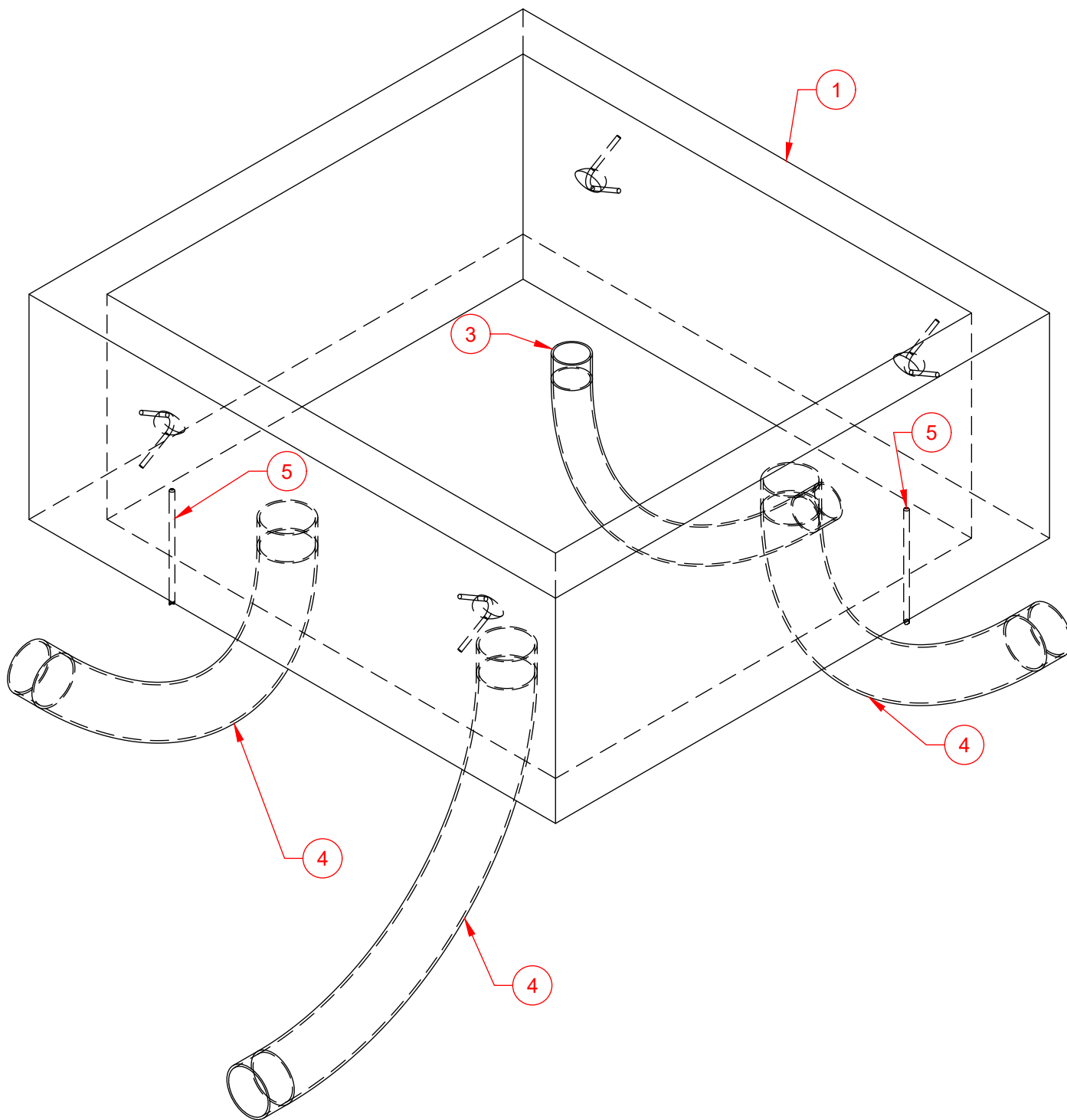
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1	Foundation Switchgear		Customer	Customer	Evergy
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Feeder Conduit.	Customer (Initial)	Customer	Evergy
4	Grounding Electrode		Customer	Customer	Customer
5	Gravel AB3		Customer	Customer	Customer

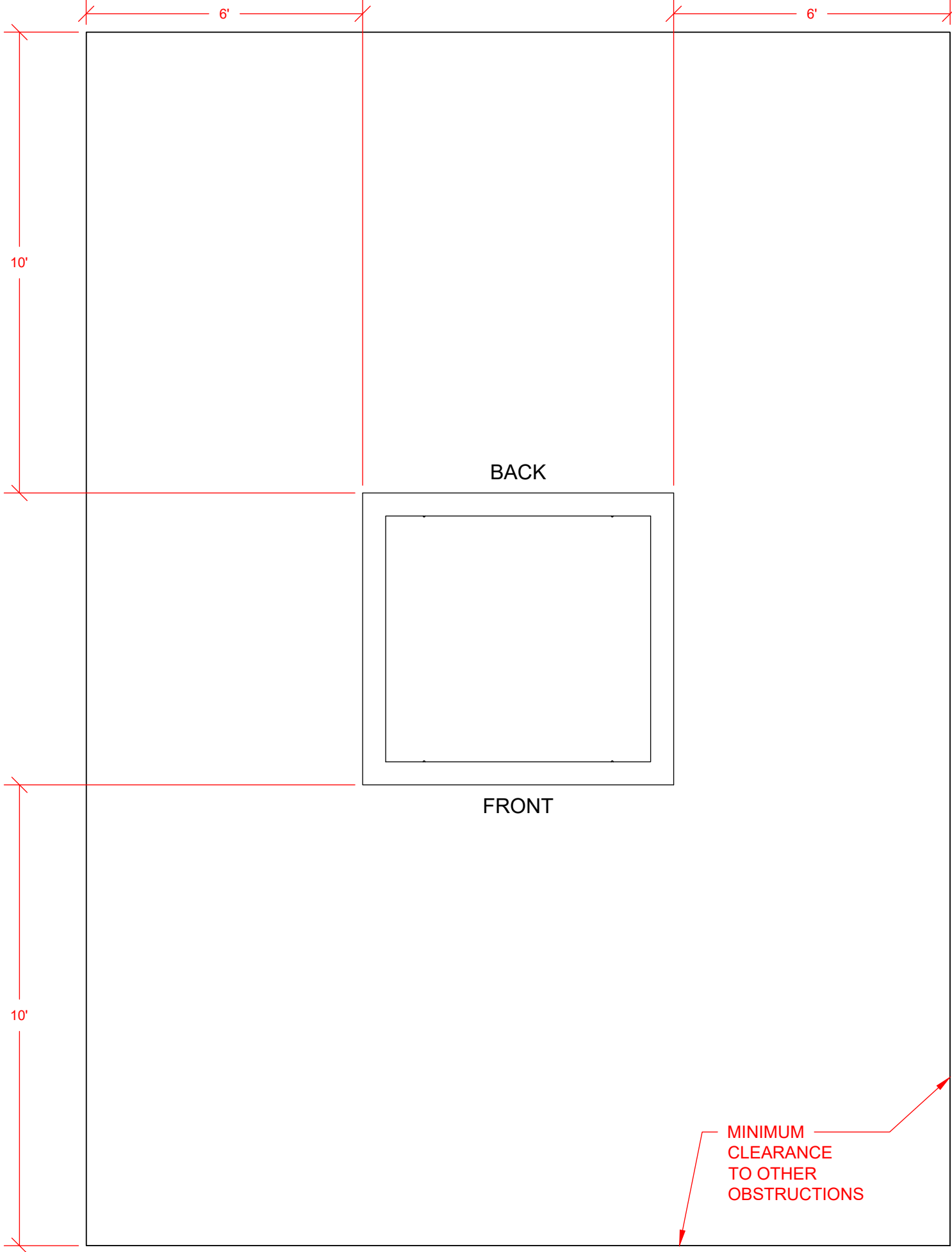




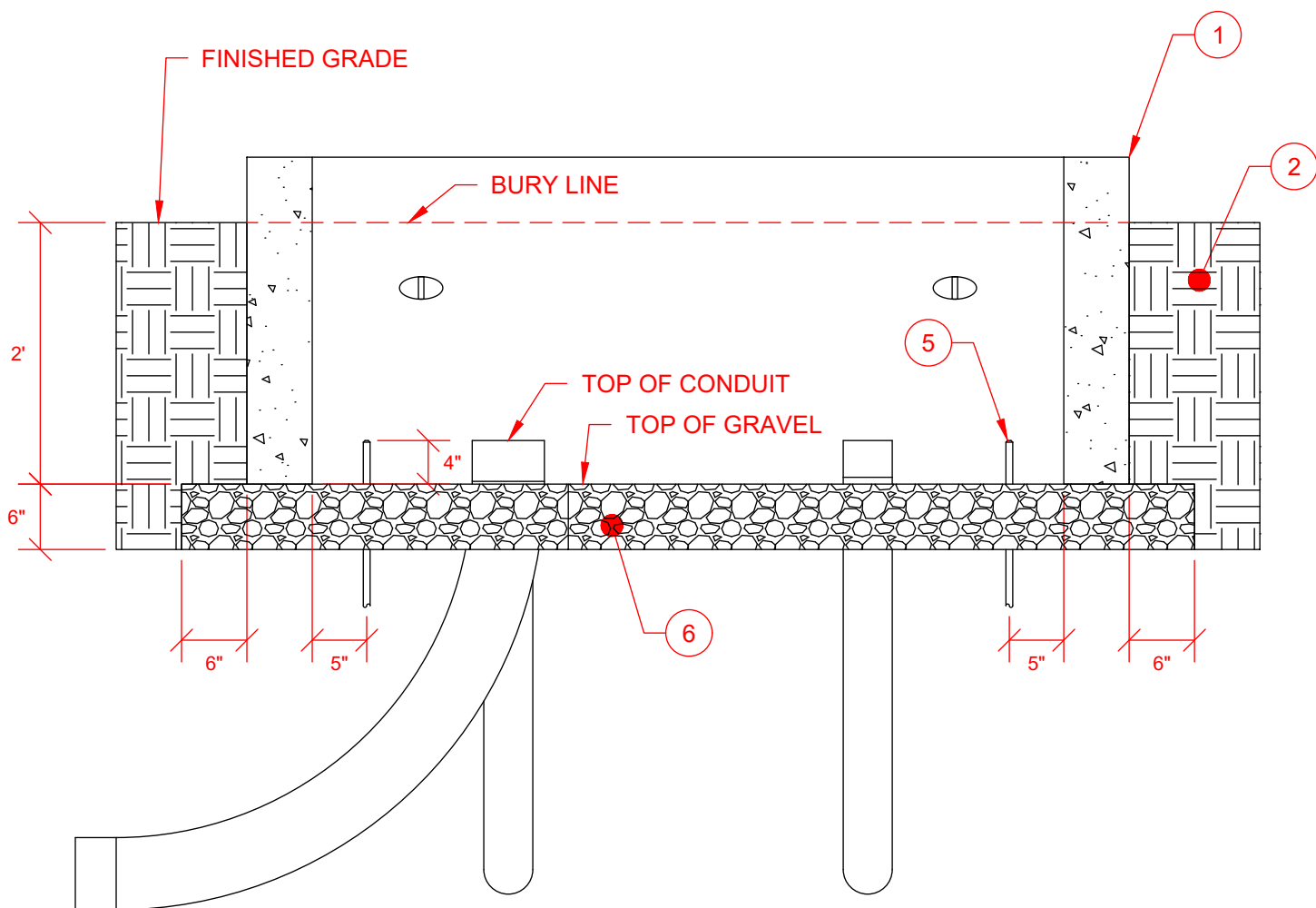
CONDUIT WINDOW



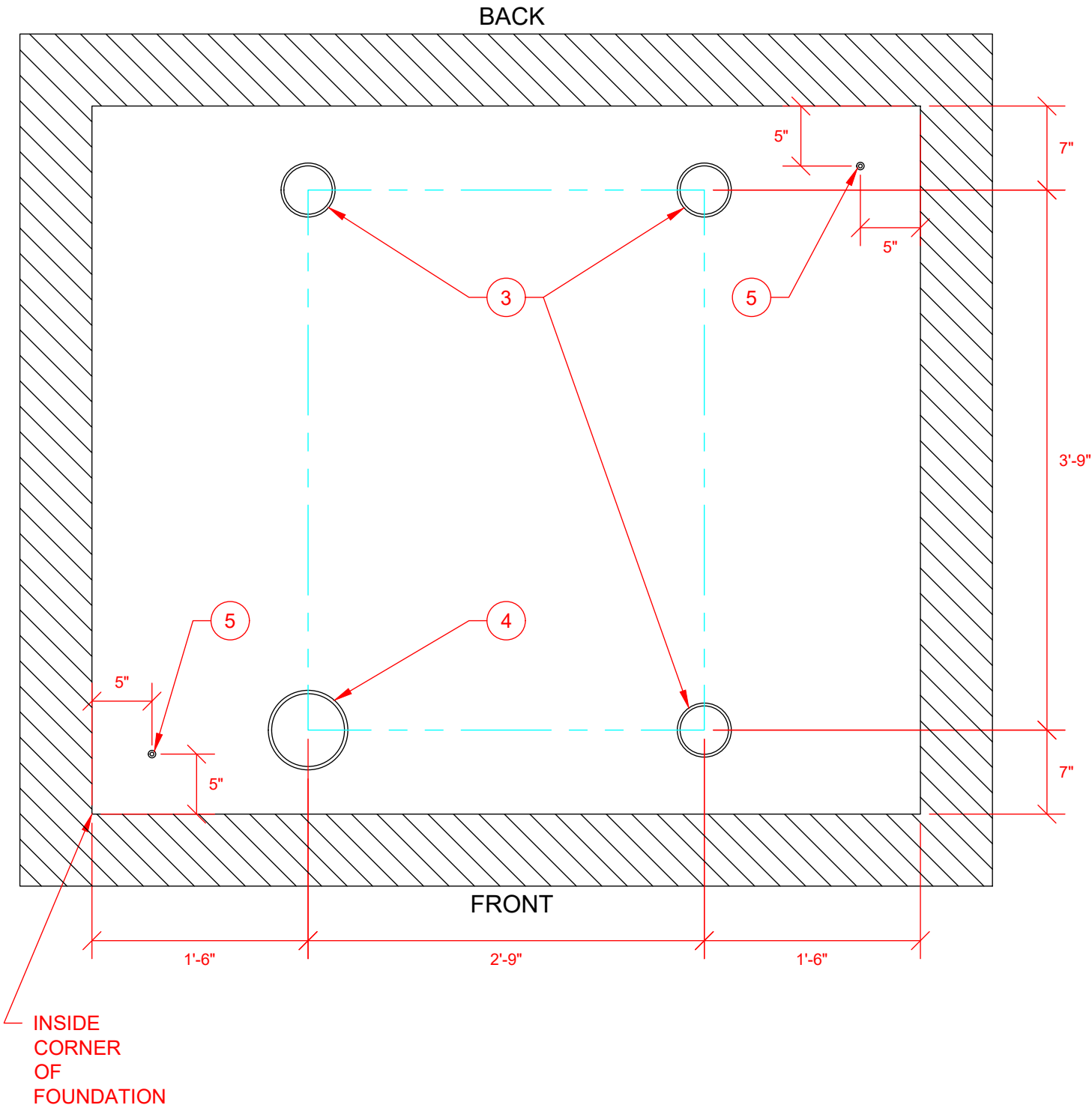


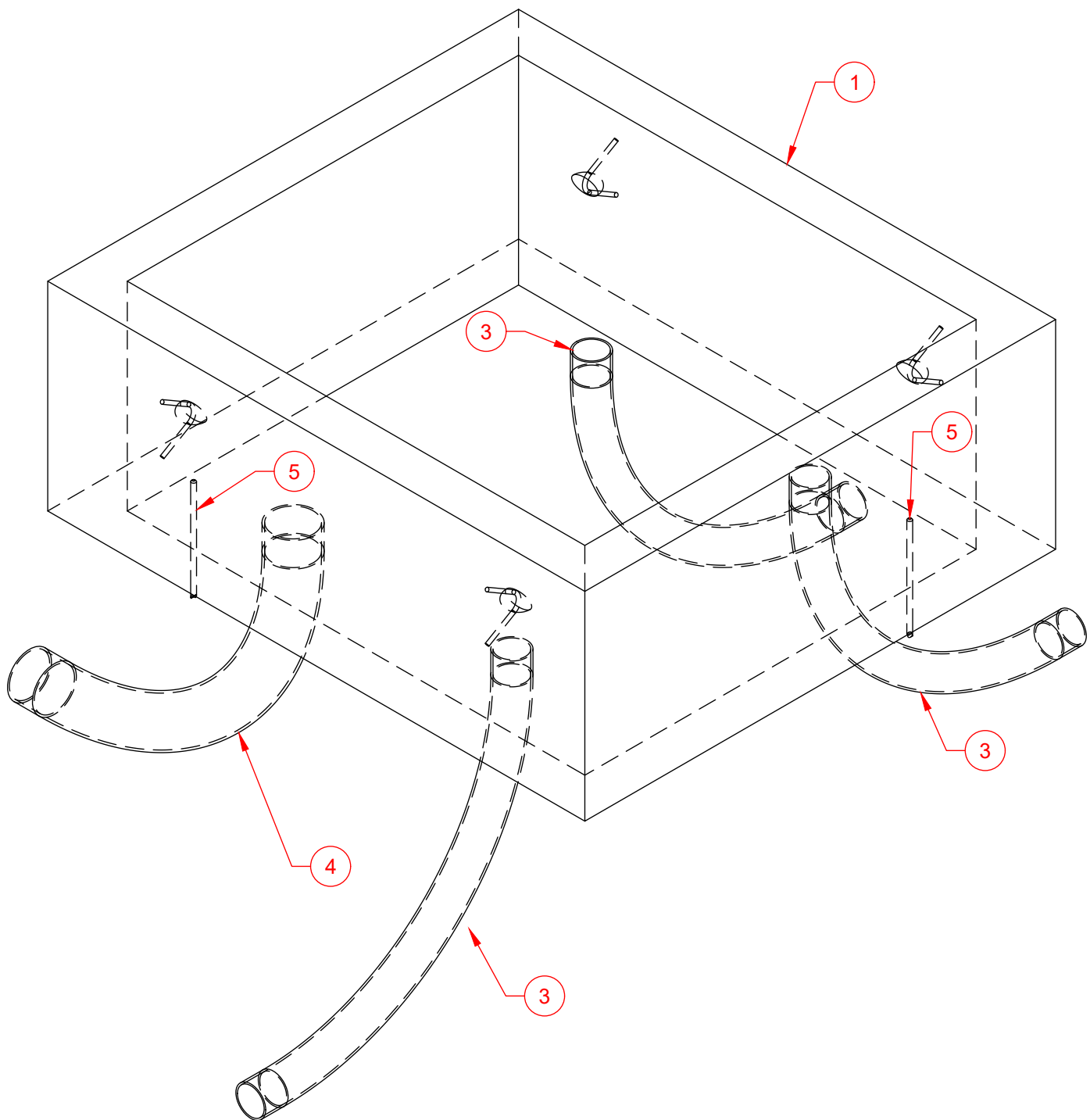


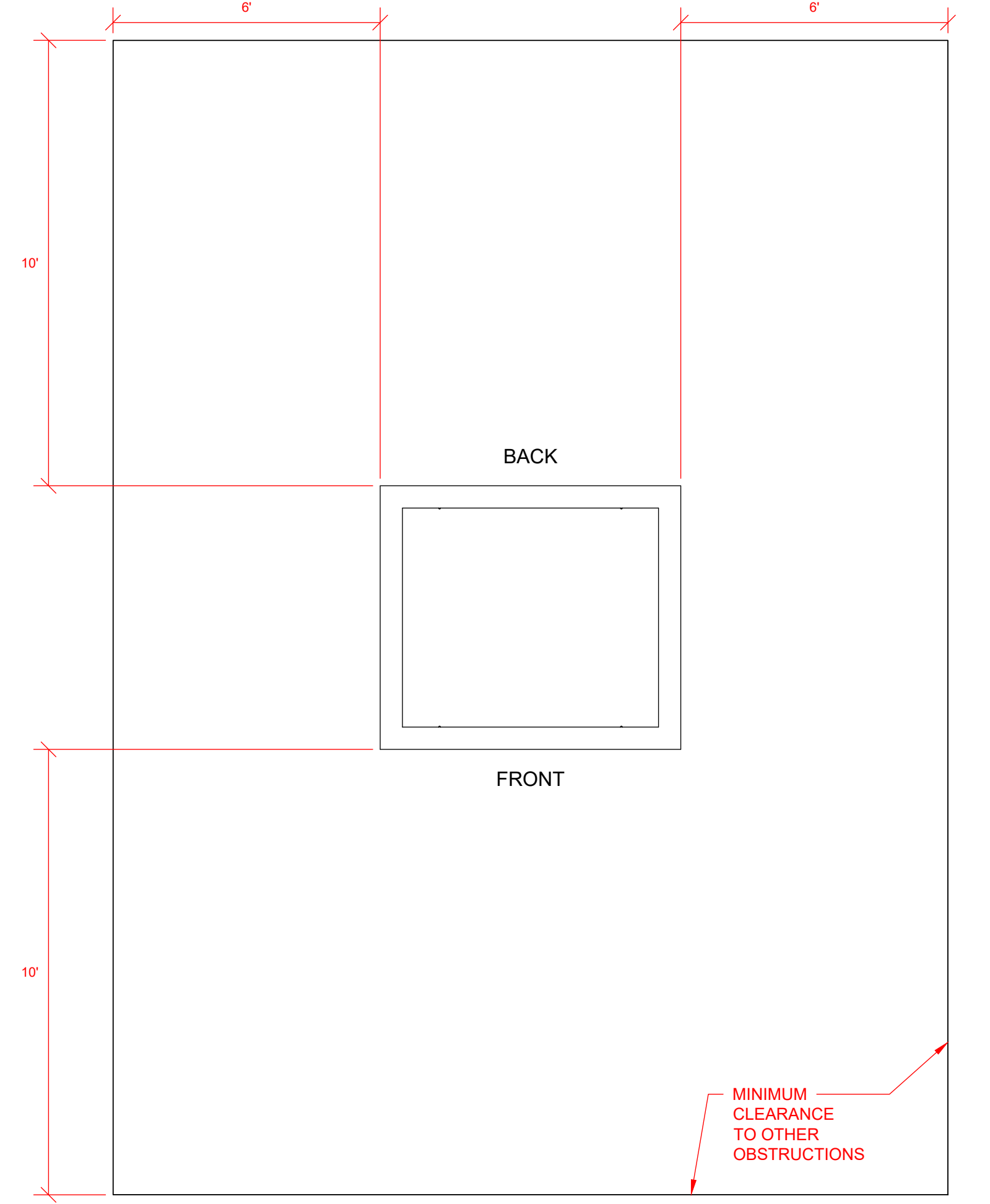
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2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Three Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Feeder Conduit.	Customer (Initial)	Customer	Evergy
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer



CONDUIT WINDOW

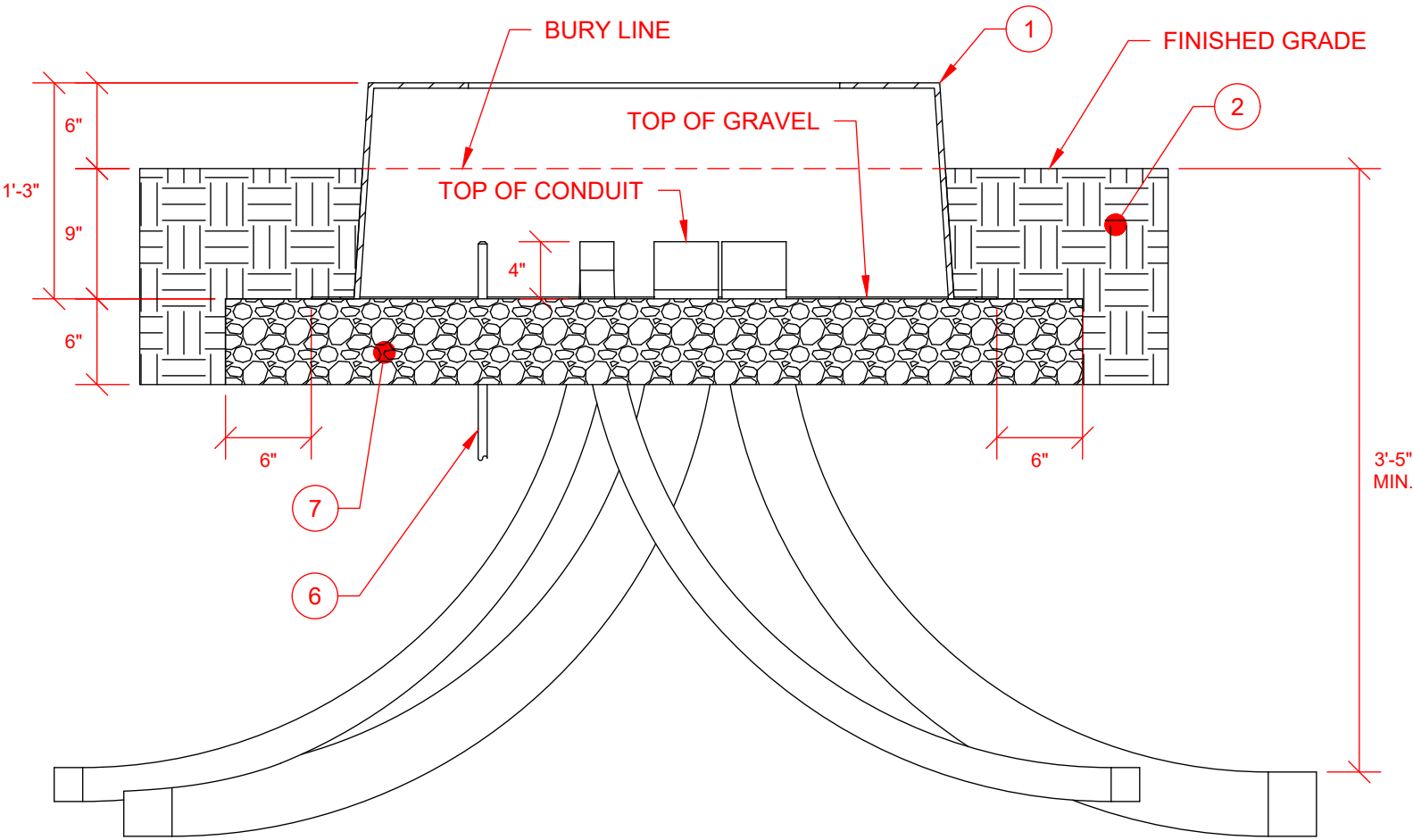




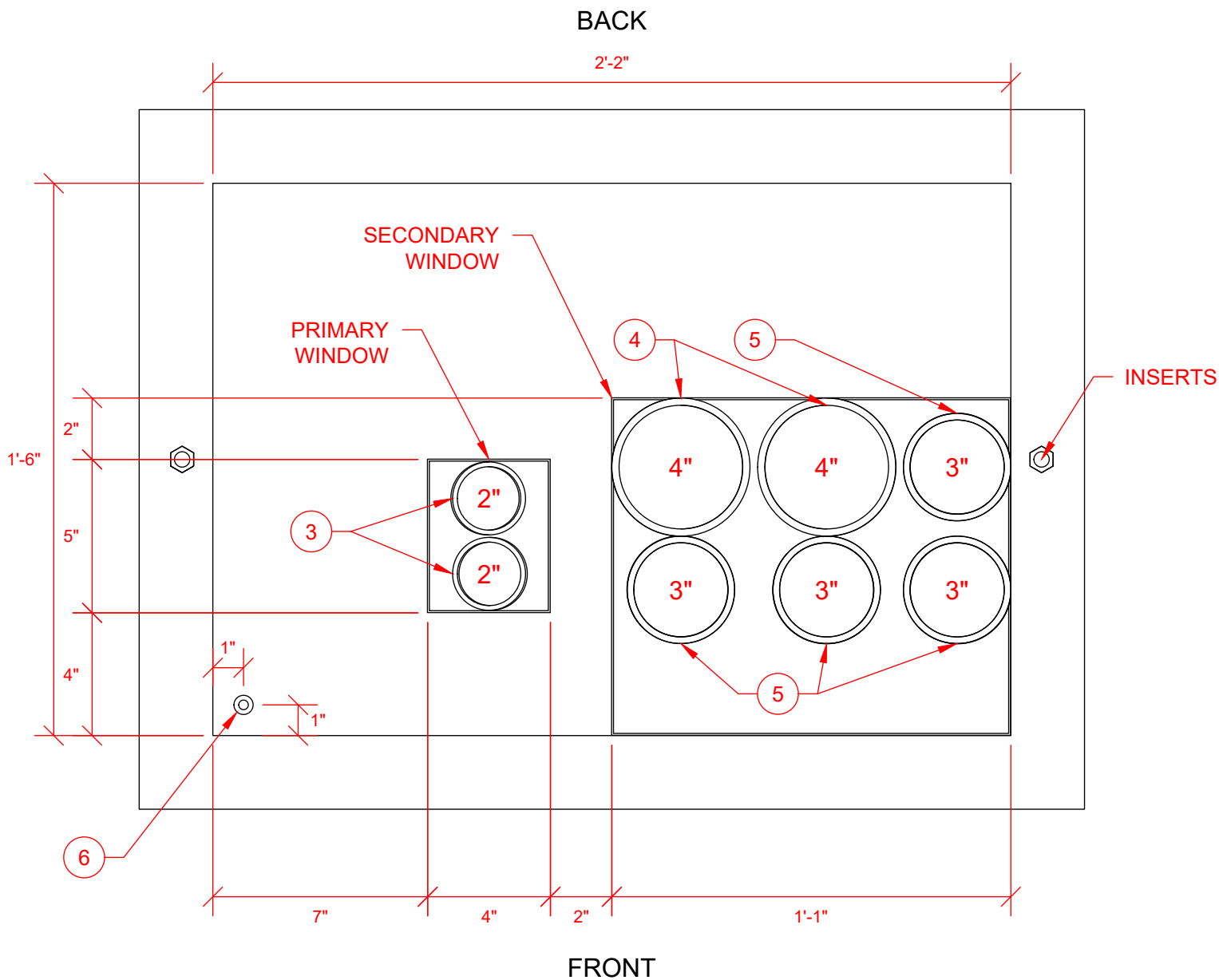


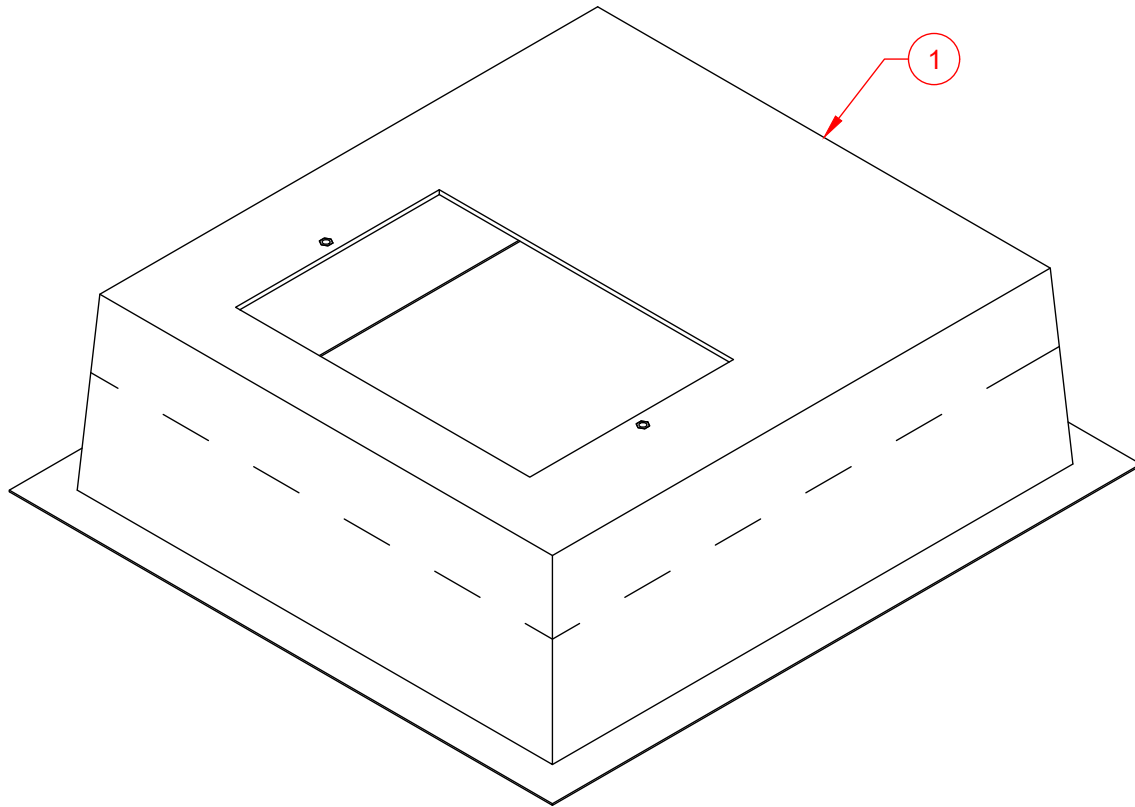
Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Switchgear		Customer	Customer	Evergy
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Three Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Feeder Conduit.	Customer (Initial)	Customer	Evergy
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer

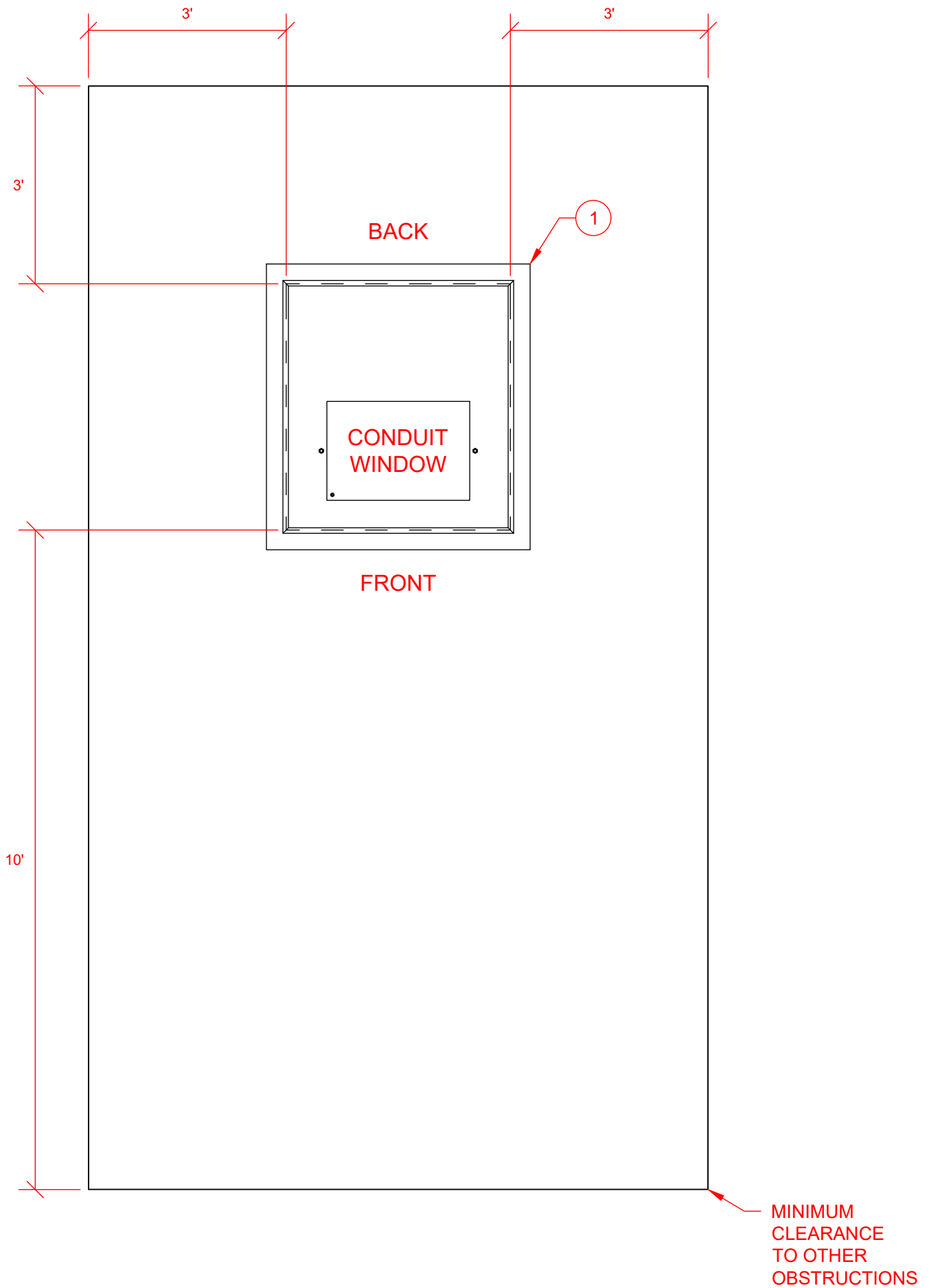




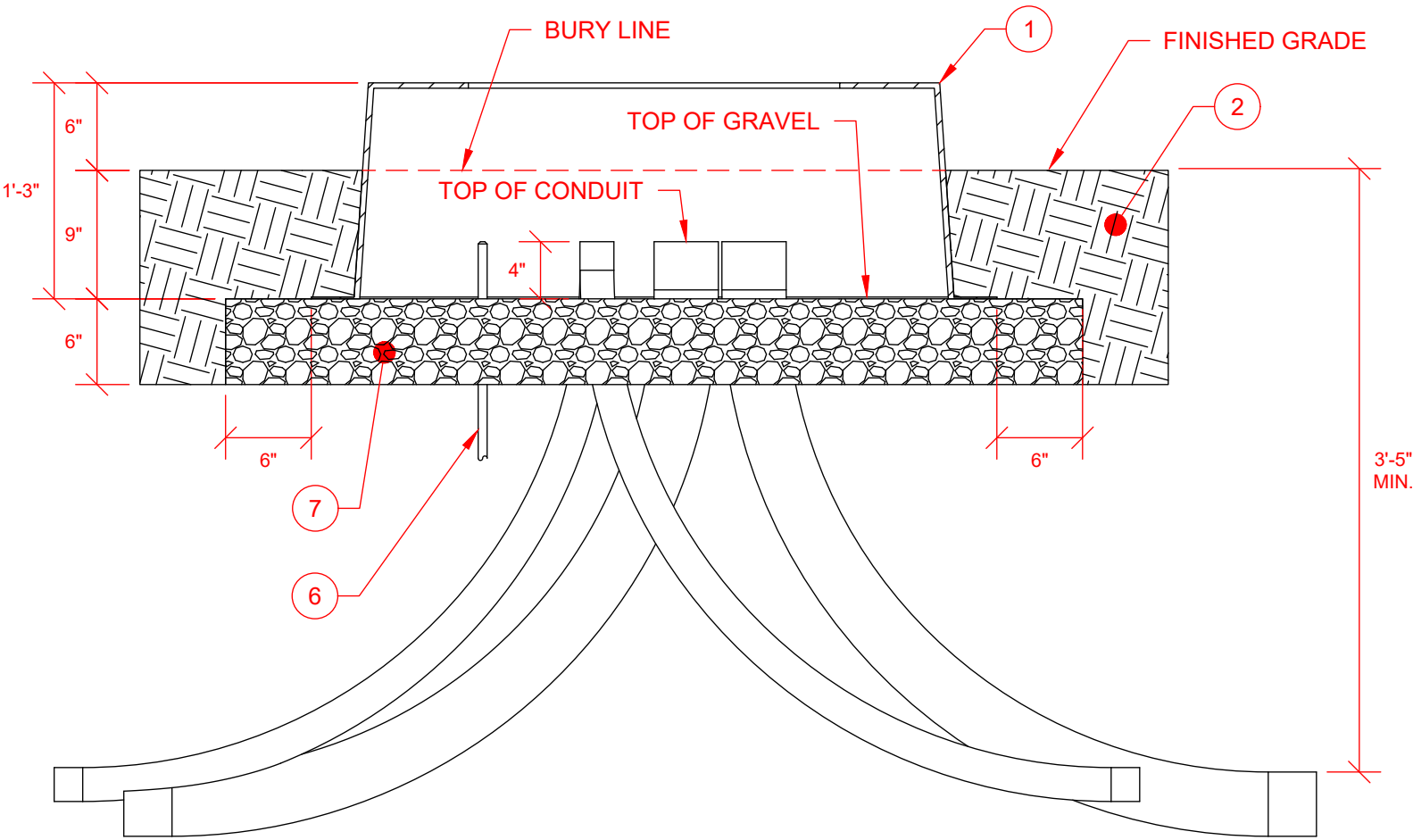
CONDUIT WINDOW



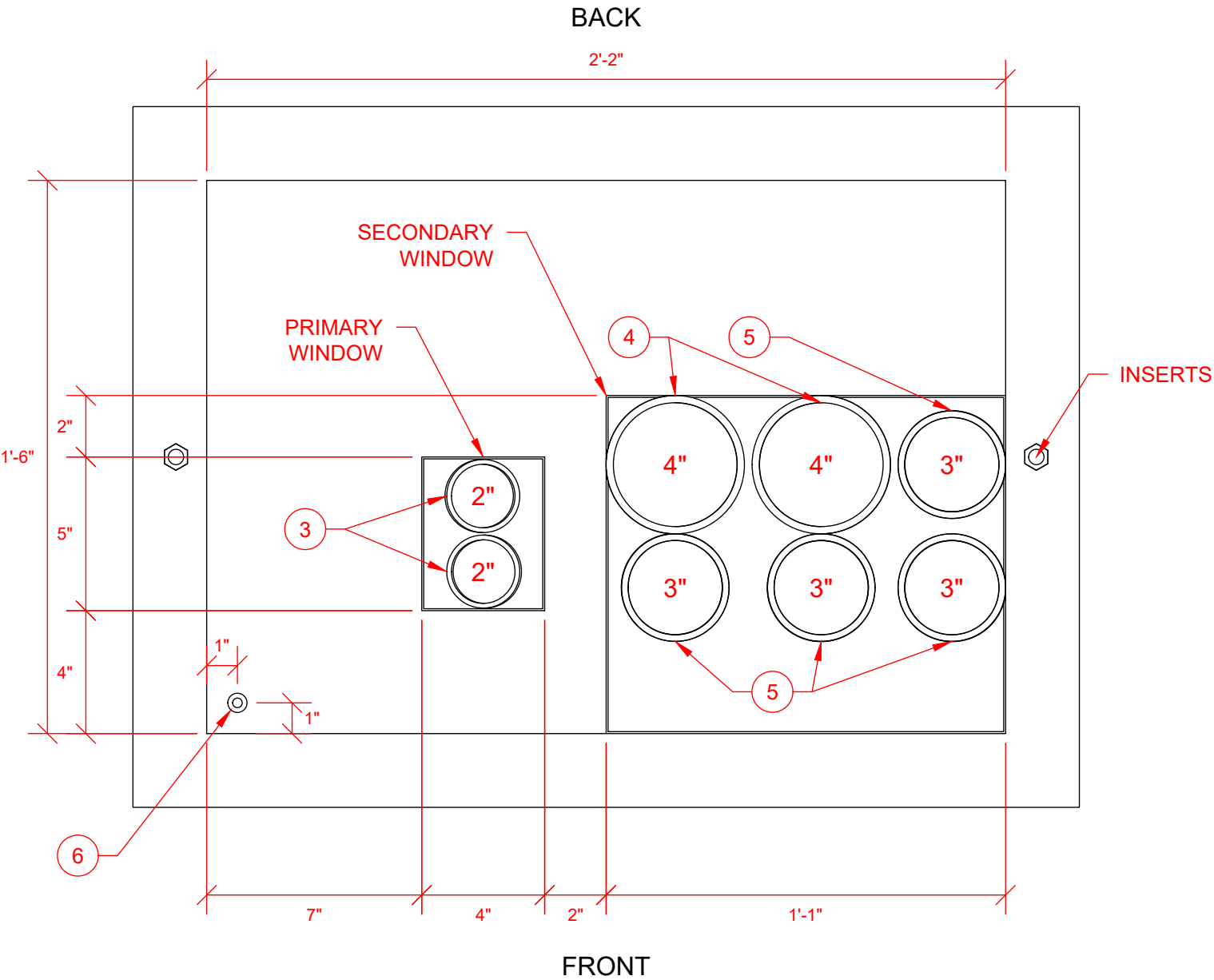


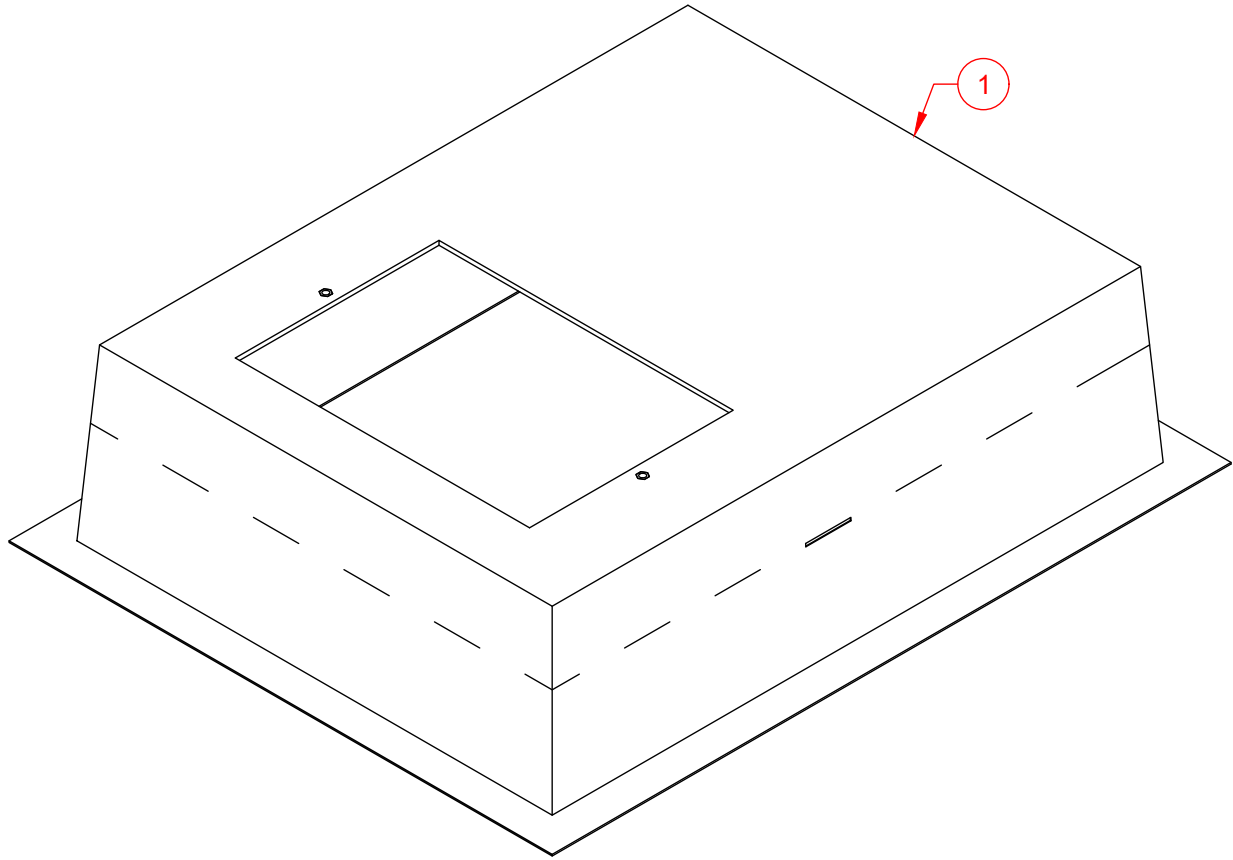


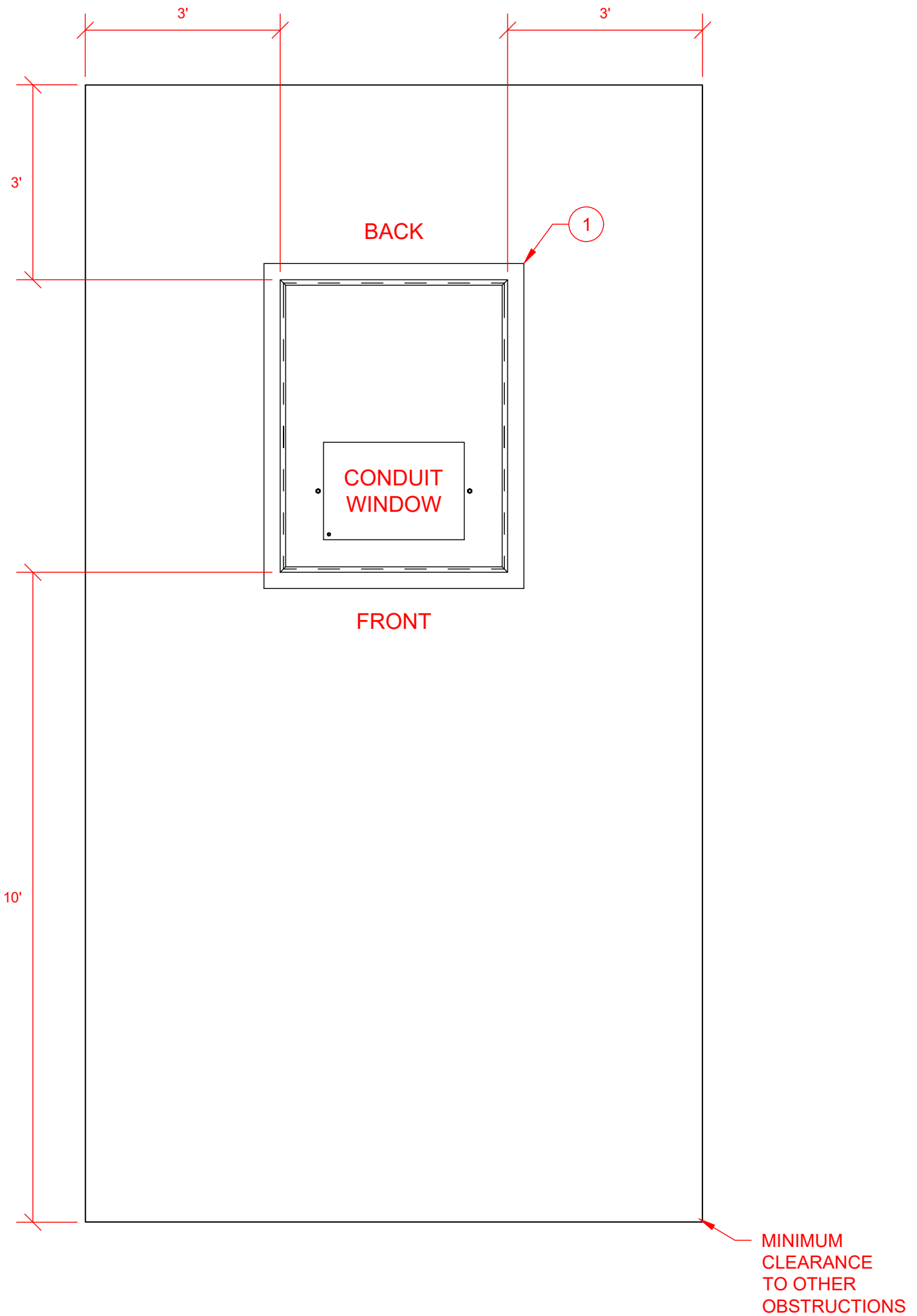
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1	Foundation Transformer		Evergy	Customer	Evergy
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Single Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Secondary Conduit.	Customer (Initial)	Customer	Evergy
5	Bend Conduit	• Service Conduit.	Customer	Customer	Customer
6	Grounding Electrode		Evergy	Customer	Evergy
7	Gravel AB3		Customer	Customer	Customer



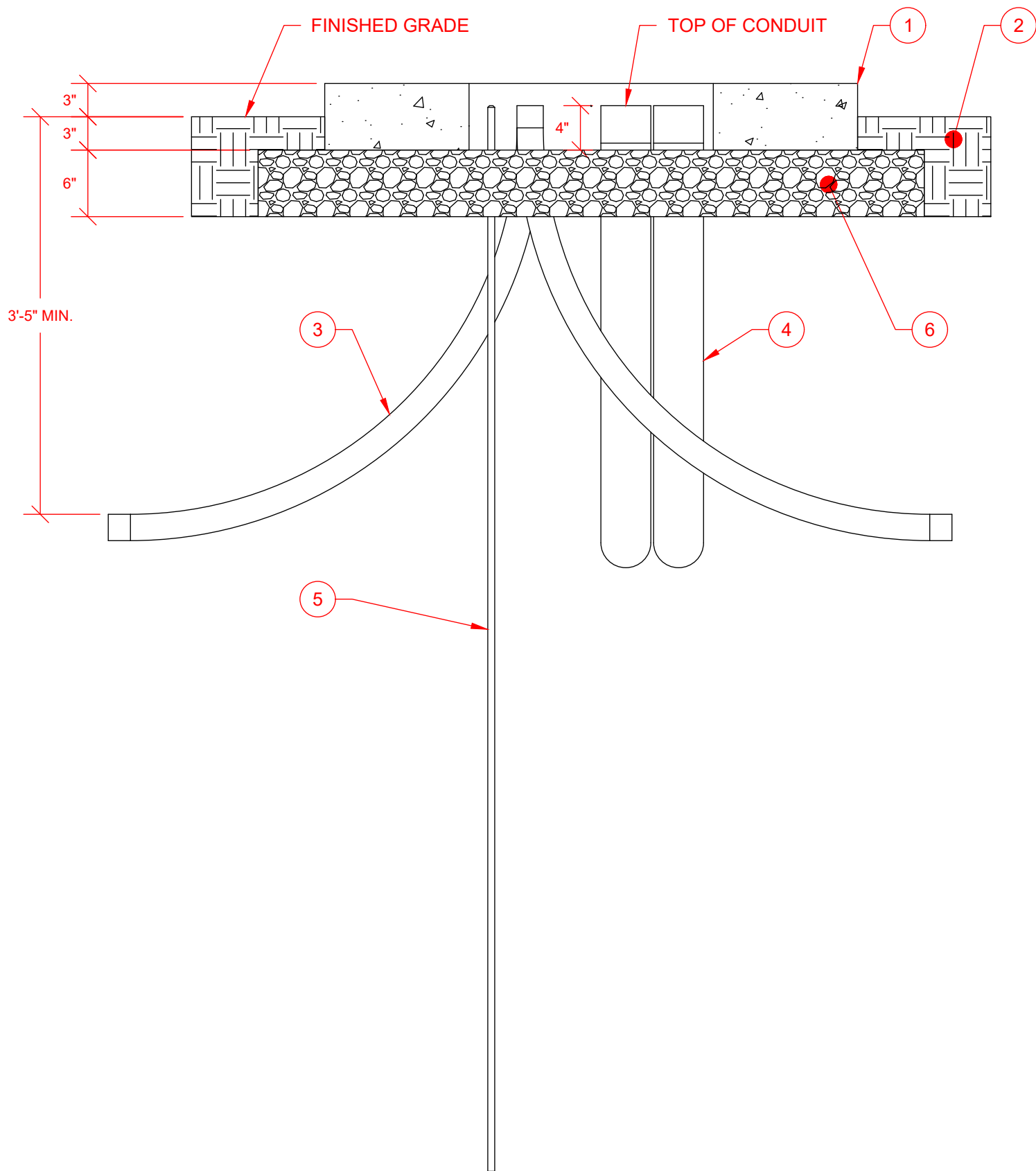
CONDUIT WINDOW





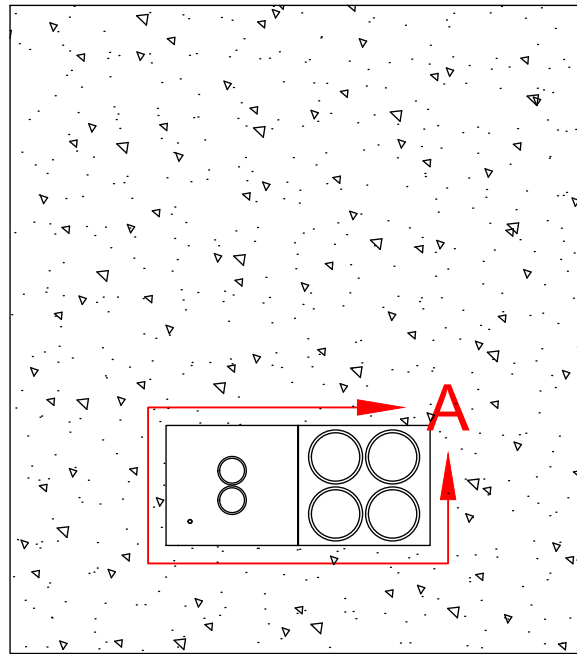


Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Transformer		Evergy	Customer	Evergy
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Single Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Secondary Conduit.	Customer (Initial)	Customer	Evergy
5	Bend Conduit	• Service Conduit.	Customer	Customer	Customer
6	Grounding Electrode		Evergy	Customer	Evergy
7	Gravel AB3		Customer	Customer	Customer

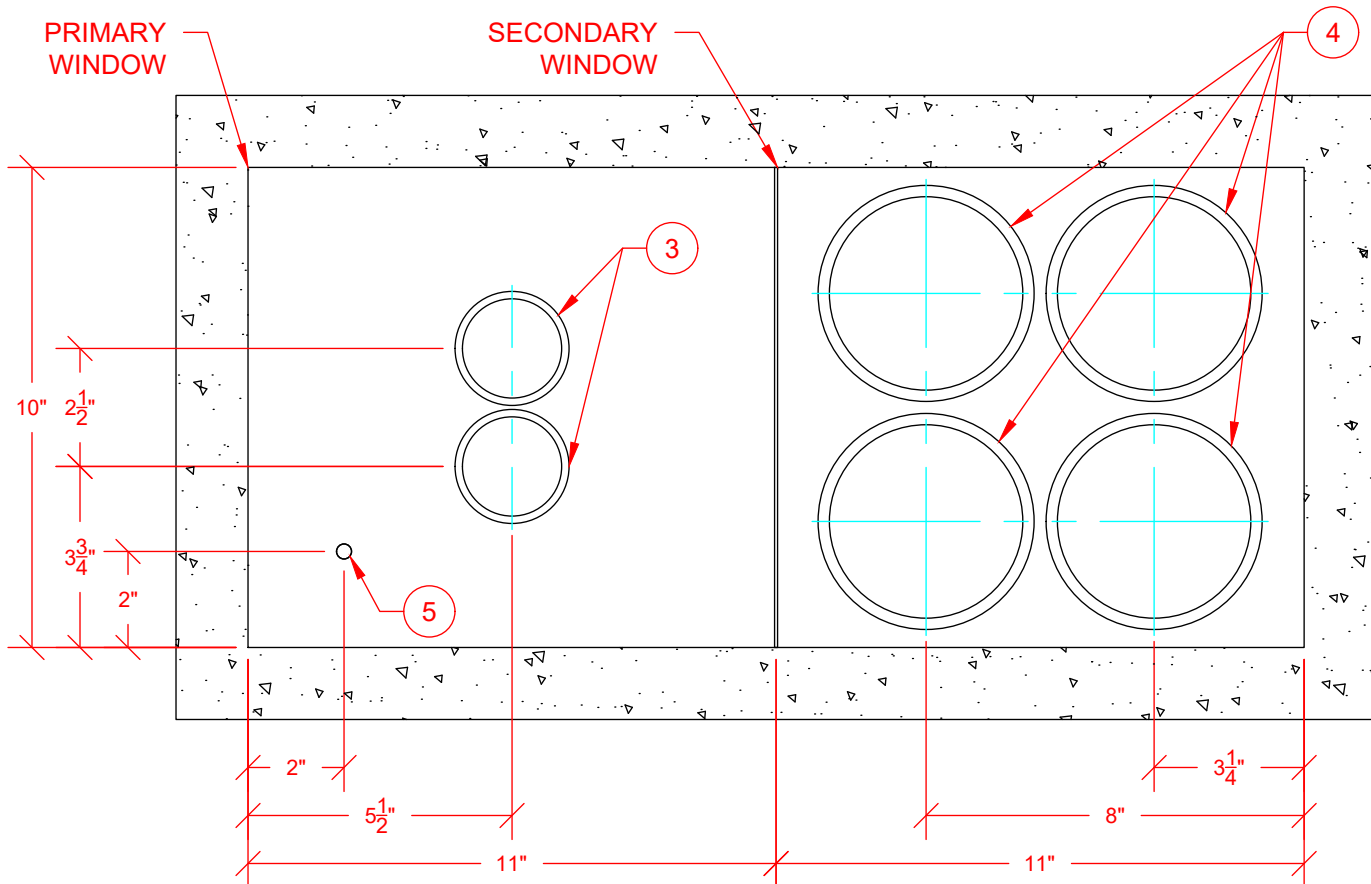


CONDUIT WINDOW

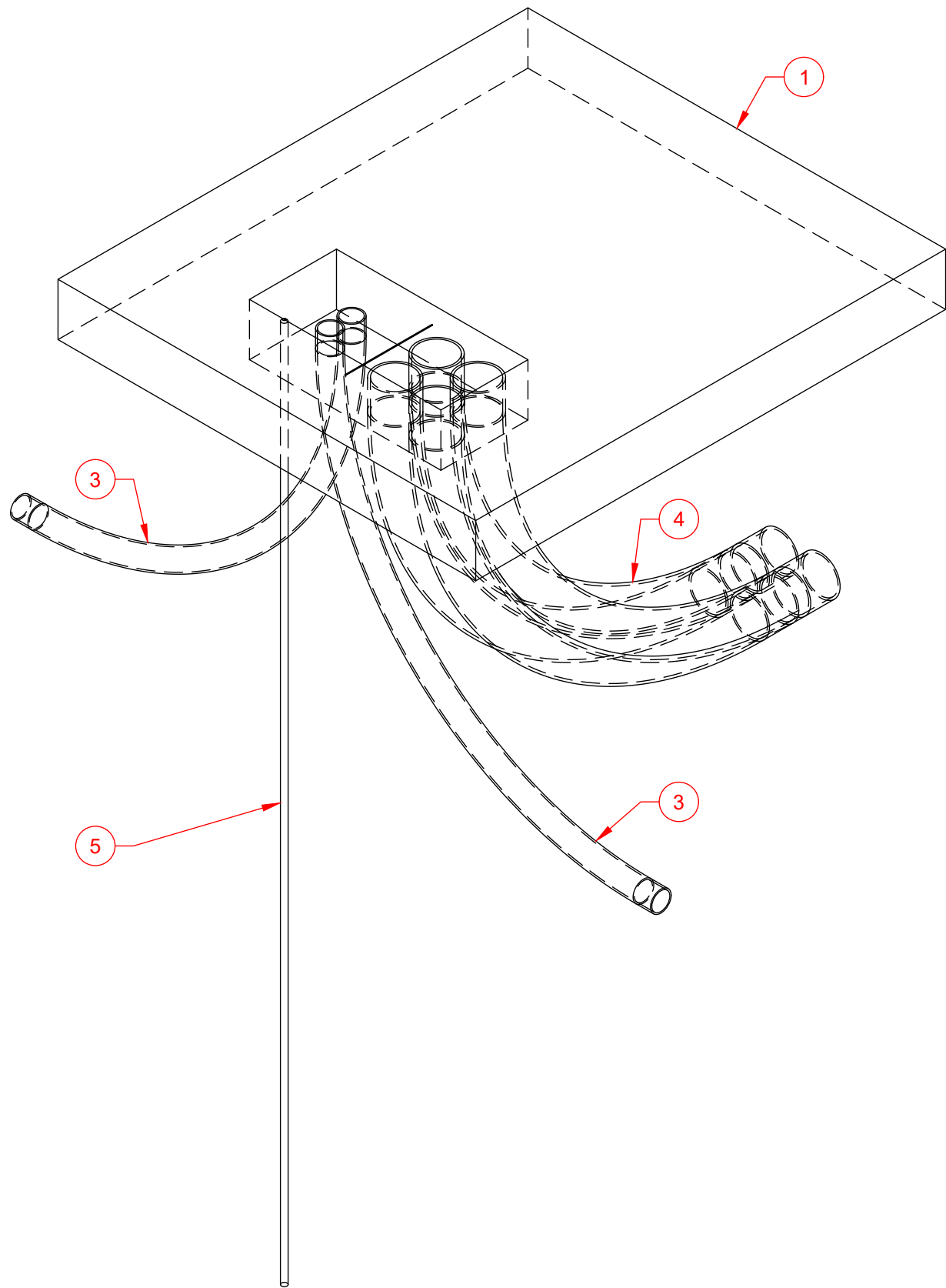
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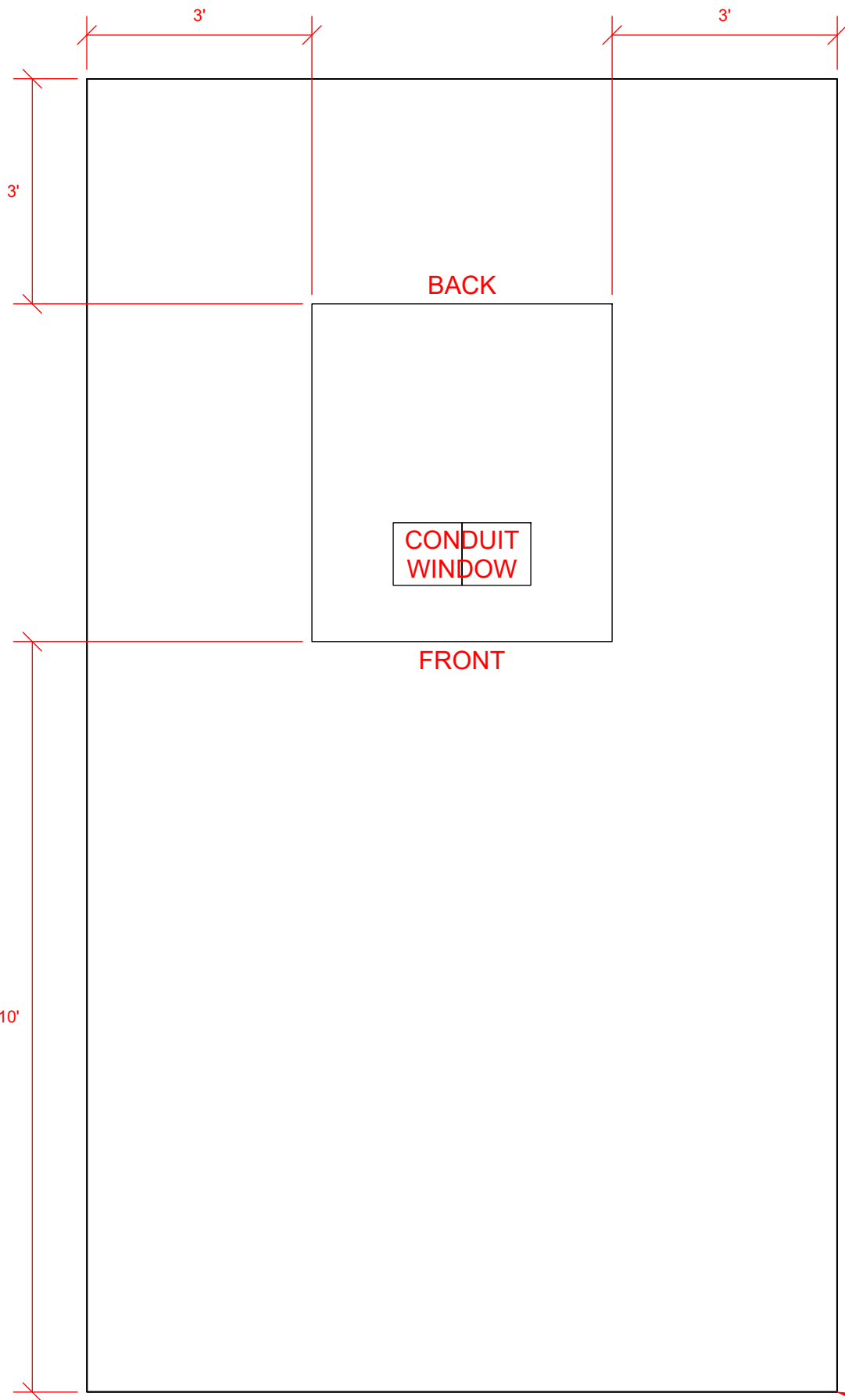


FRONT



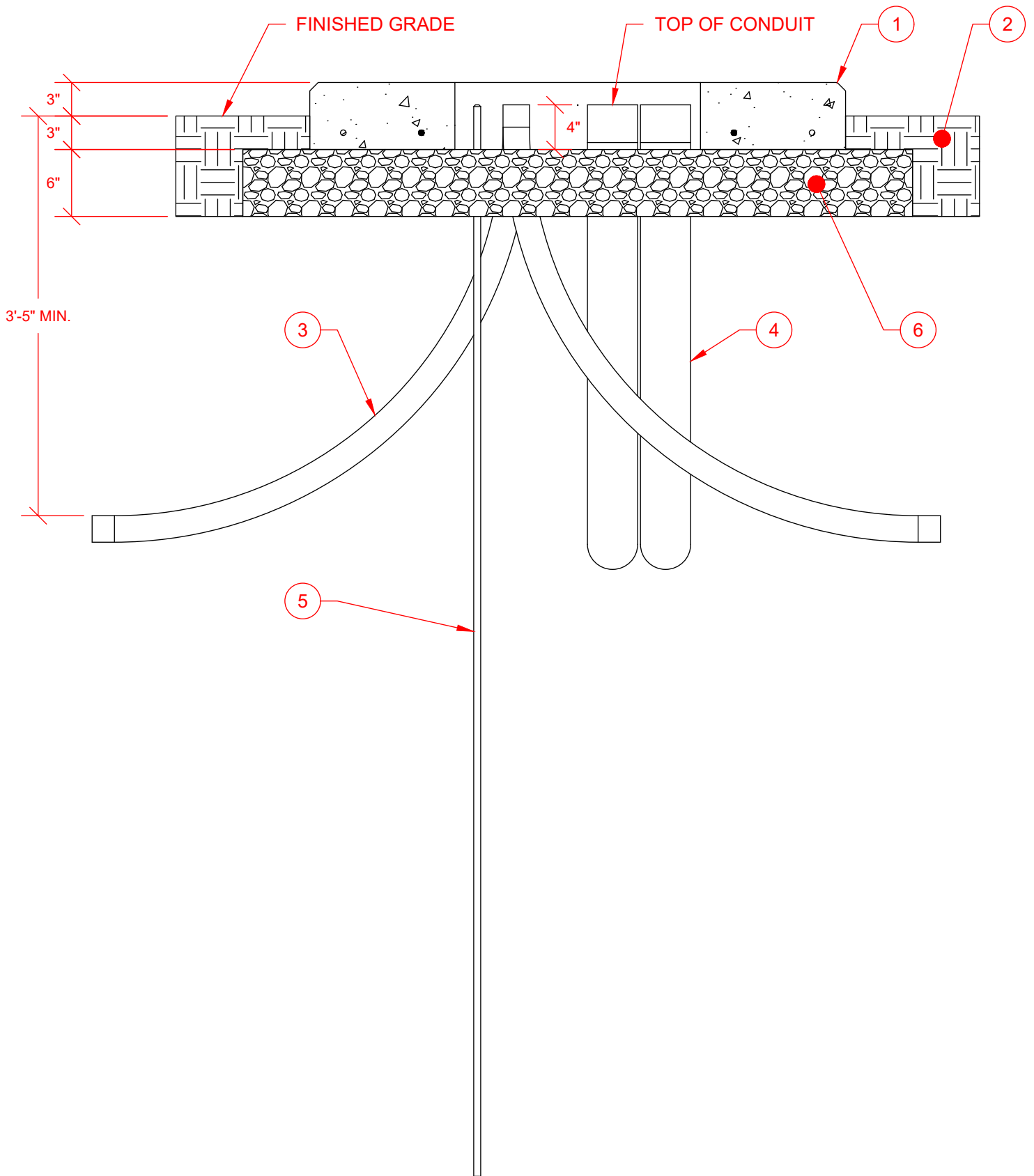
DETAIL A
SCALE 1:4





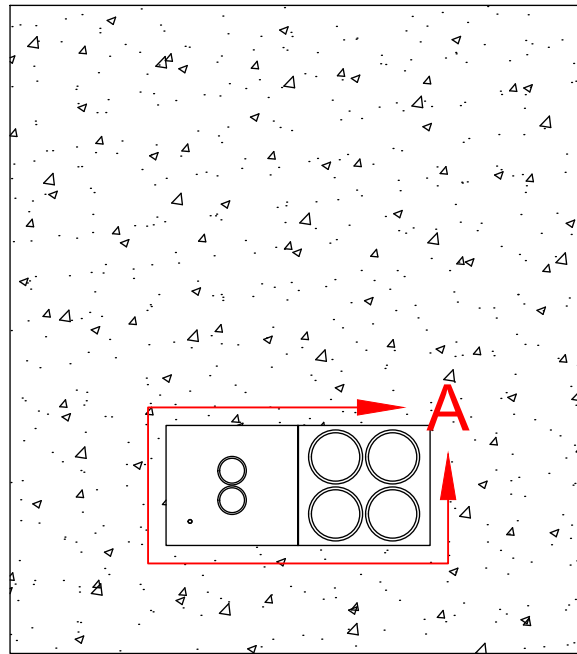
MINIMUM
CLEARANCE
TO OTHER
OBSTRUCTIONS

Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Transformer		Customer	Customer	Customer
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Single Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Service Conduit.	Customer	Customer	Customer
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer

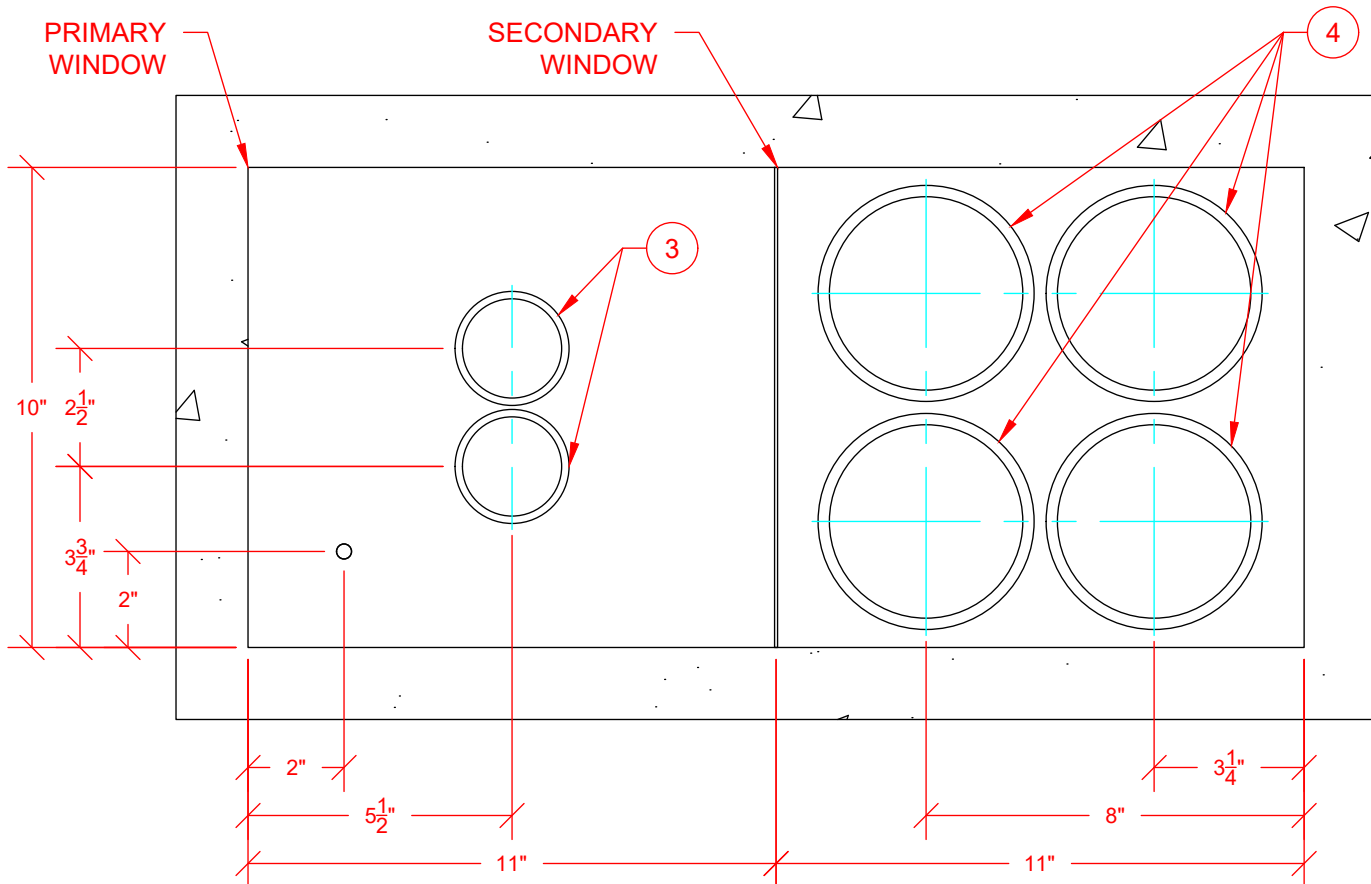


CONDUIT WINDOW

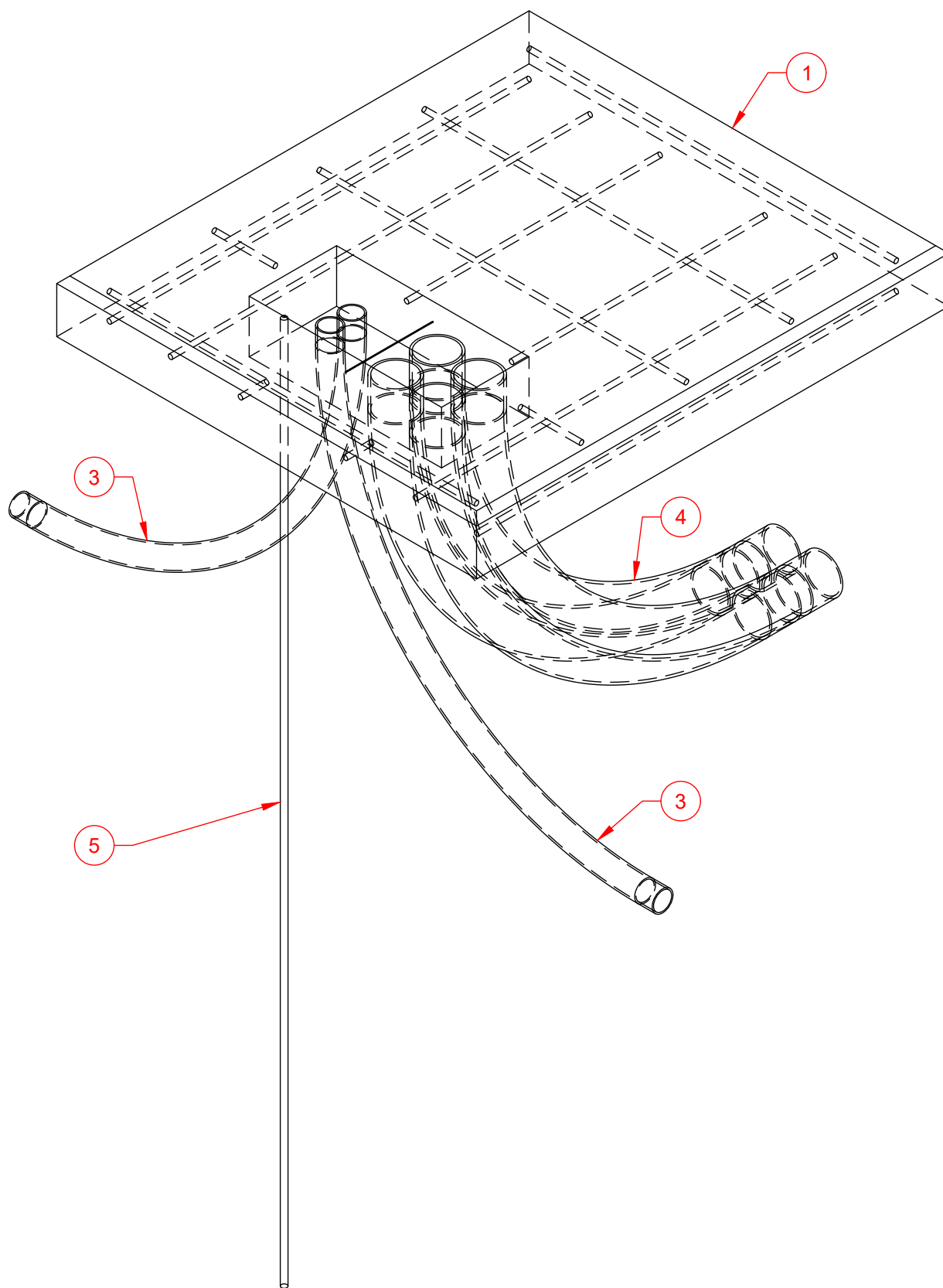
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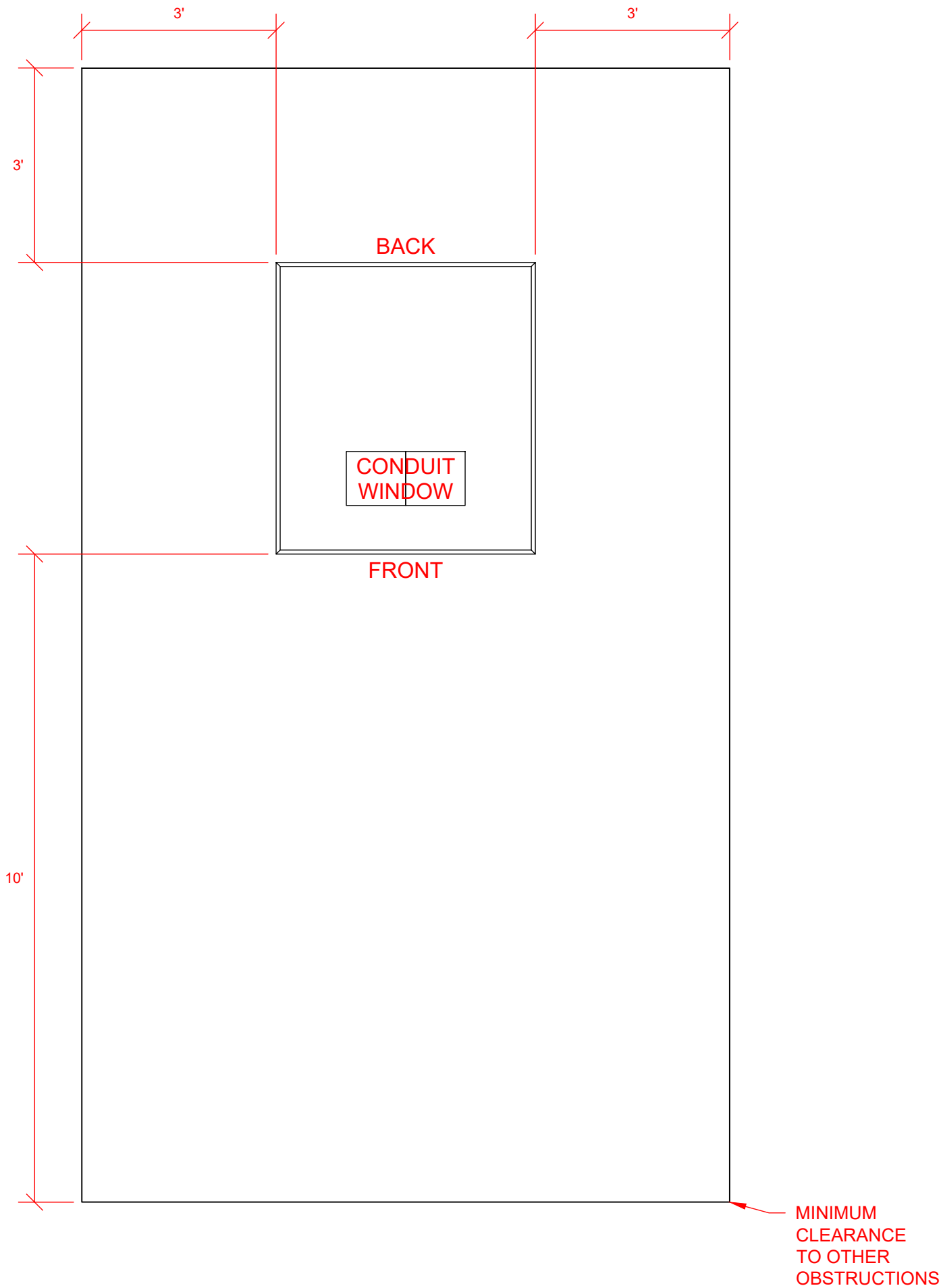


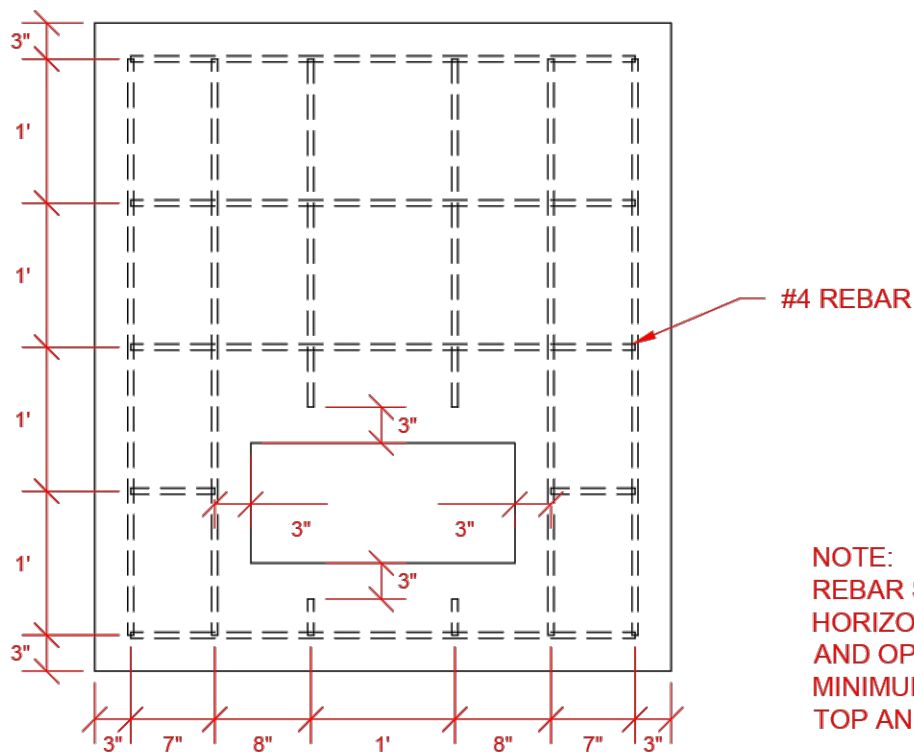
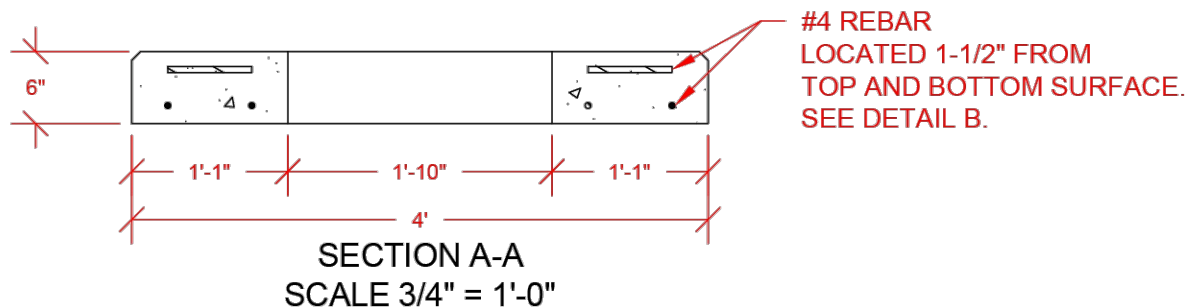
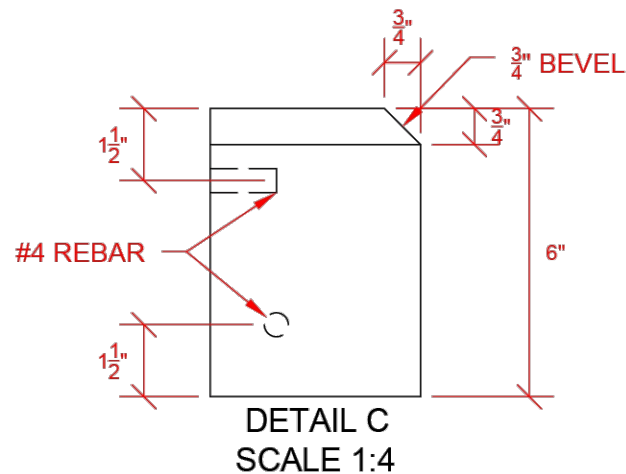
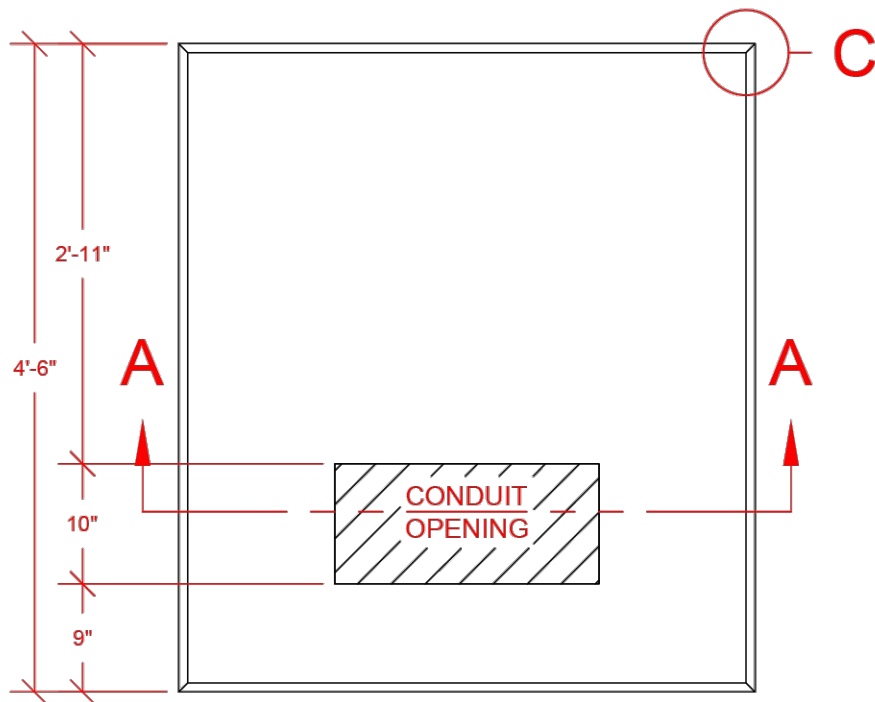
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DETAIL A
SCALE 1:4





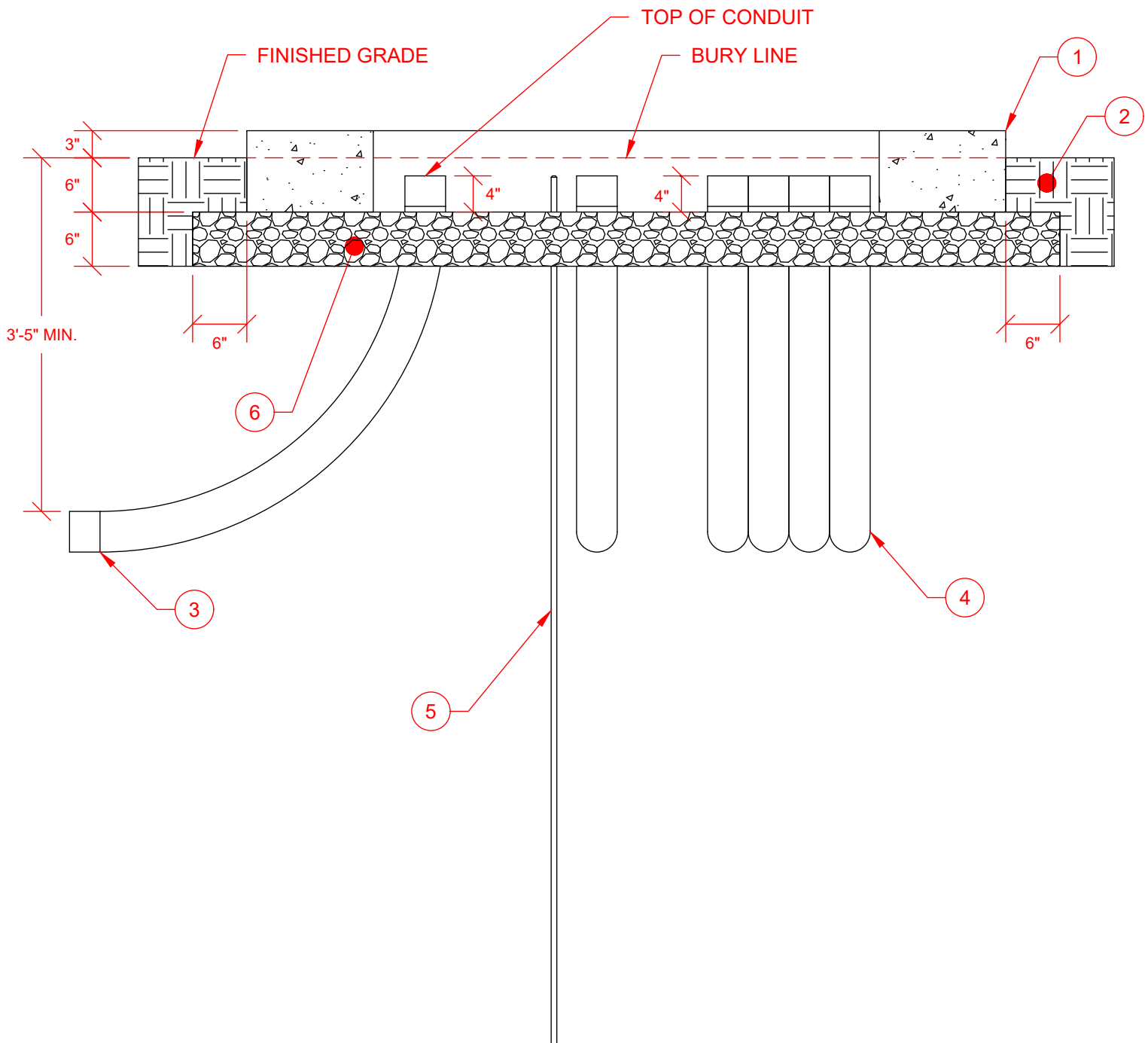


DETAIL B
(REBAR DETAILS)
SCALE 3/4" = 1'-0"

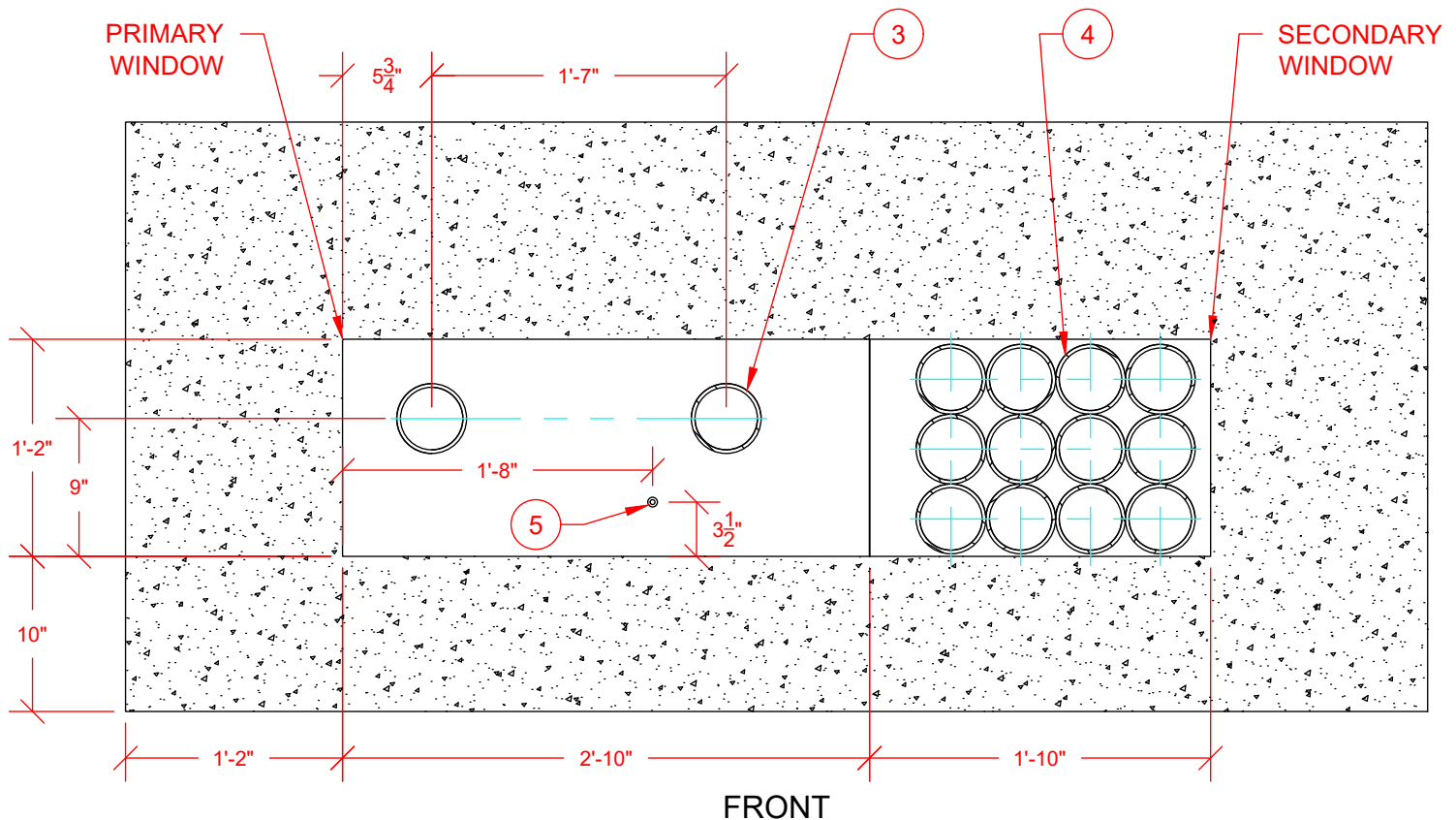
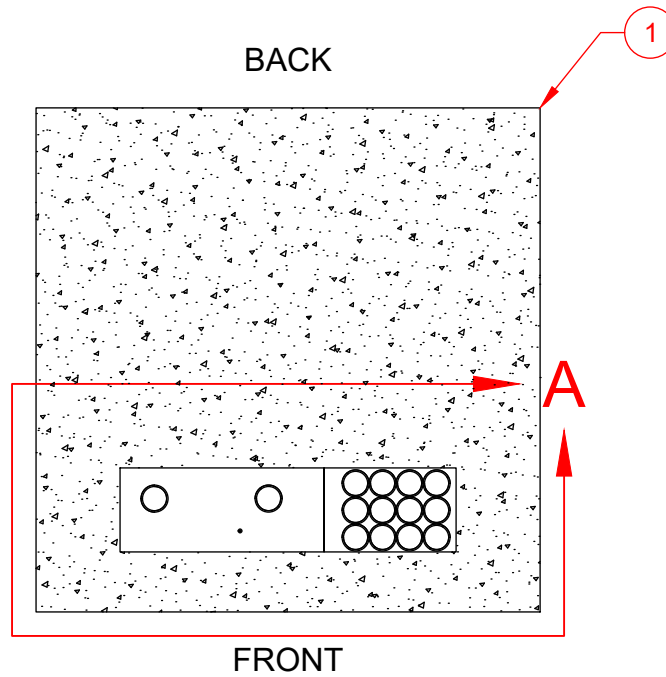
NOTE:
REBAR SHALL HAVE A 3" MINIMUM
HORIZONTAL CLEARANCE TO ALL EDGES
AND OPENINGS OF THE PAD AND A 1-1/2"
MINIMUM VERTICAL CLERANCE TO THE
TOP AND BOTTOM SURFACE.

Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Transformer		Customer	Customer	Customer
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Single Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Service Conduit.	Customer	Customer	Customer
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer

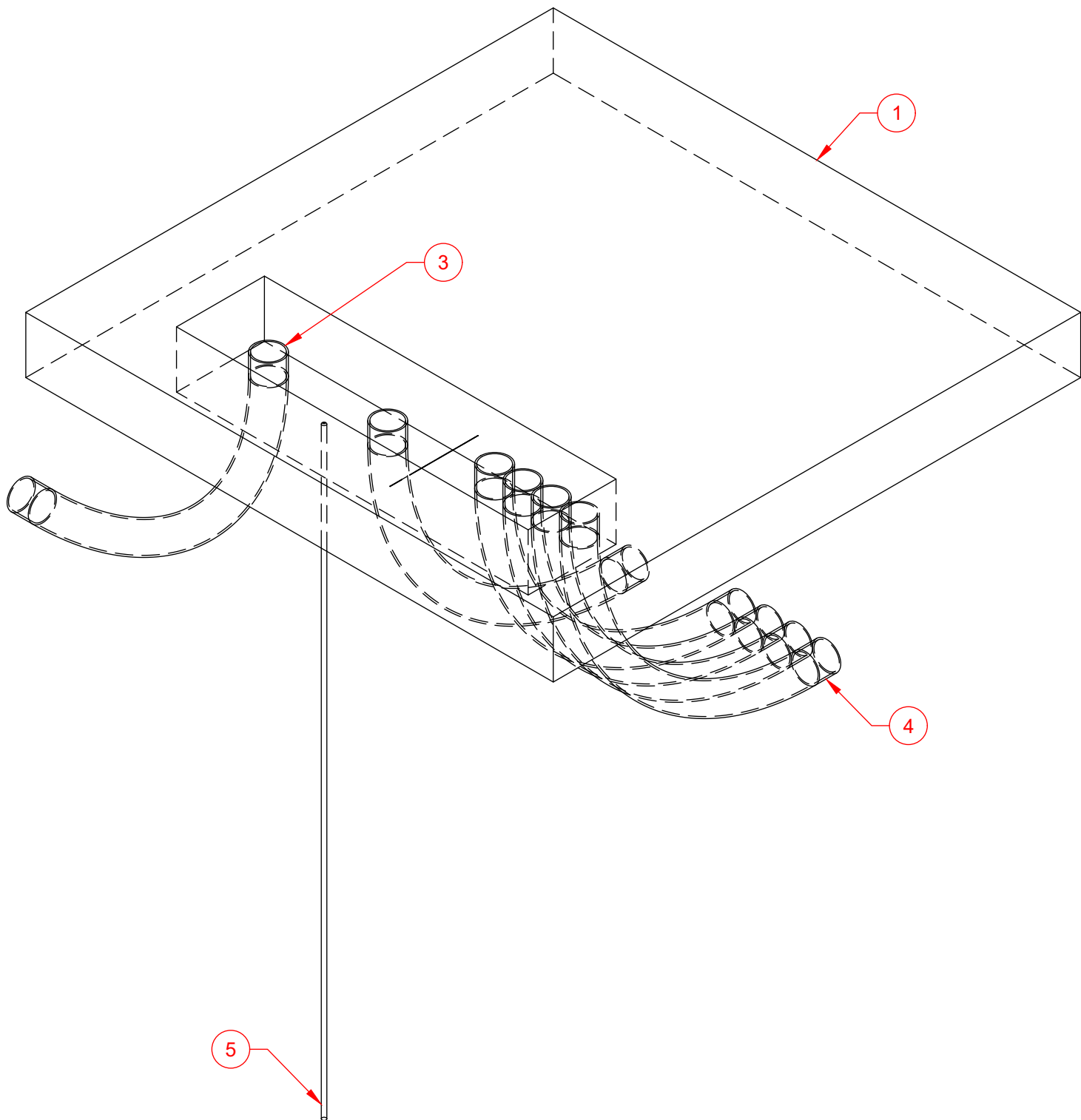


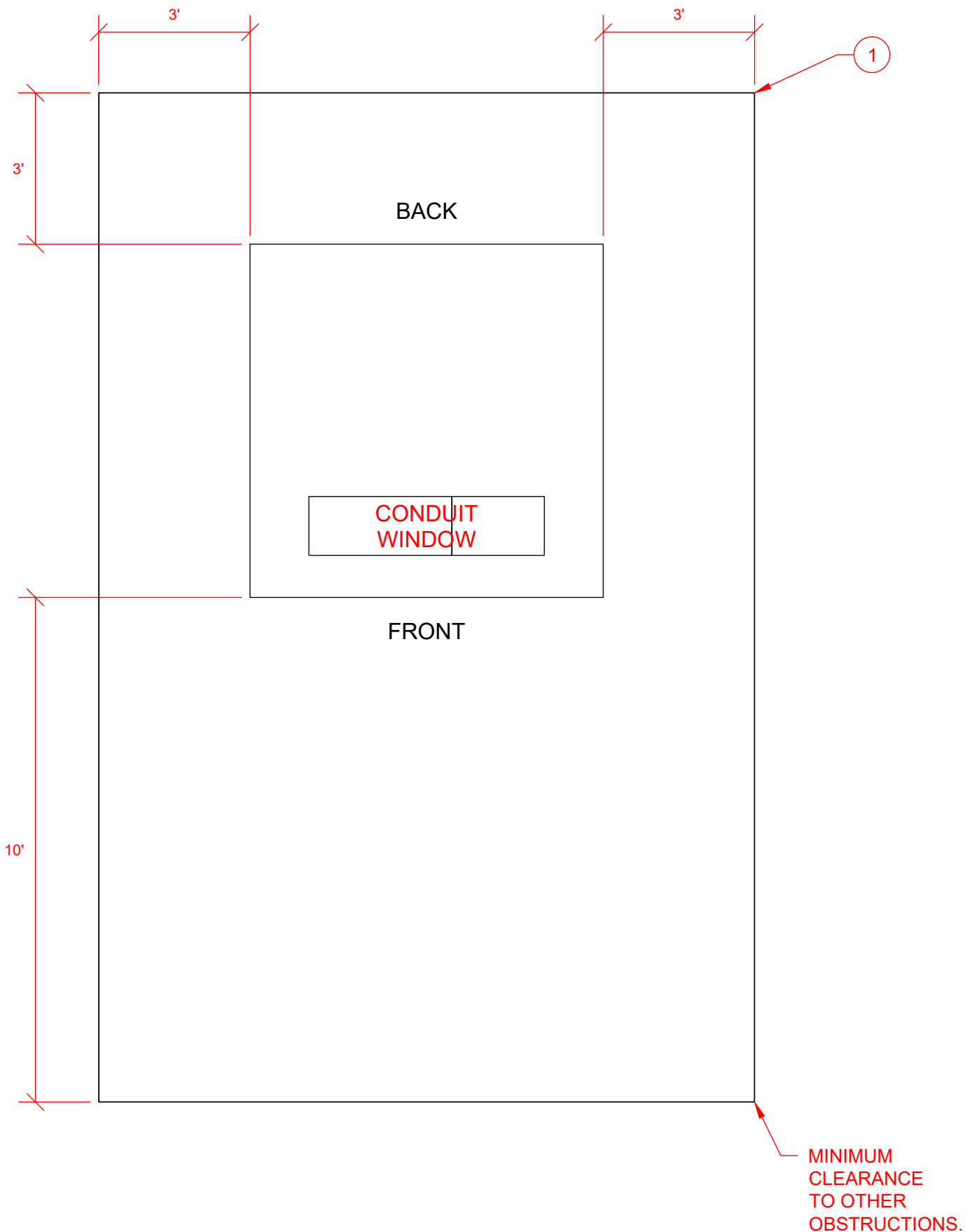


CONDUIT WINDOW

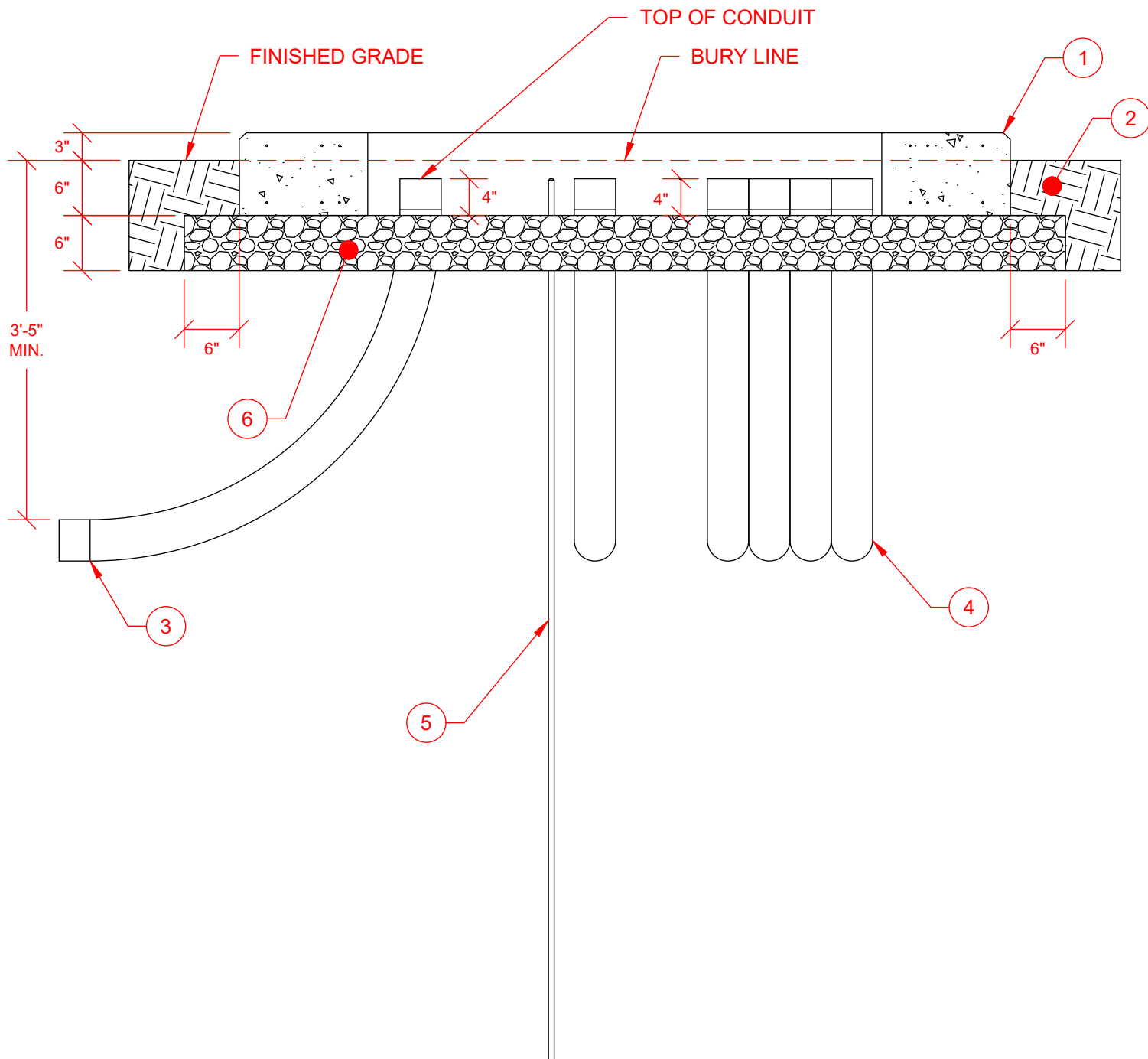


DETAIL A
SCALE 1" = 1'-0"

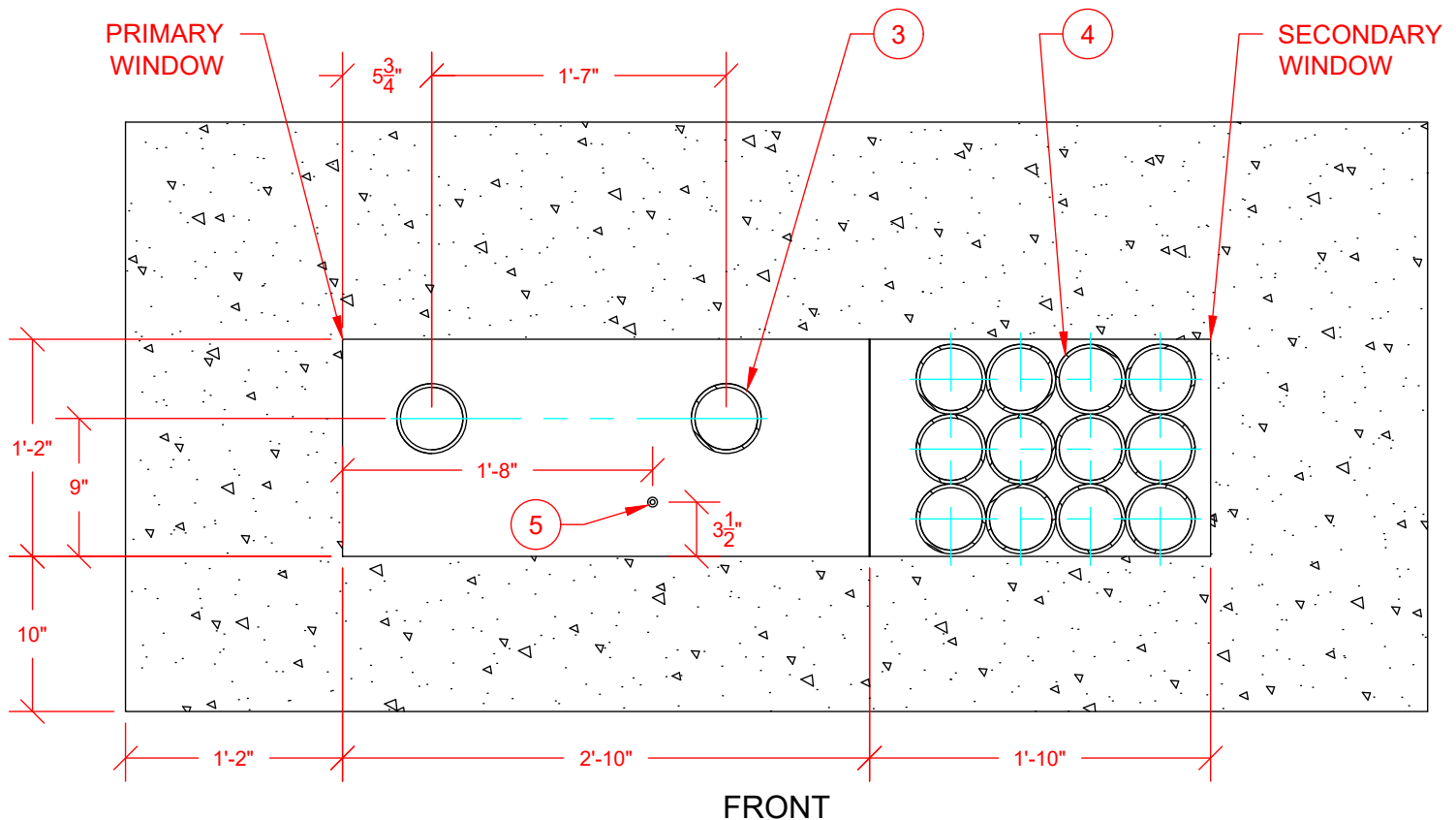
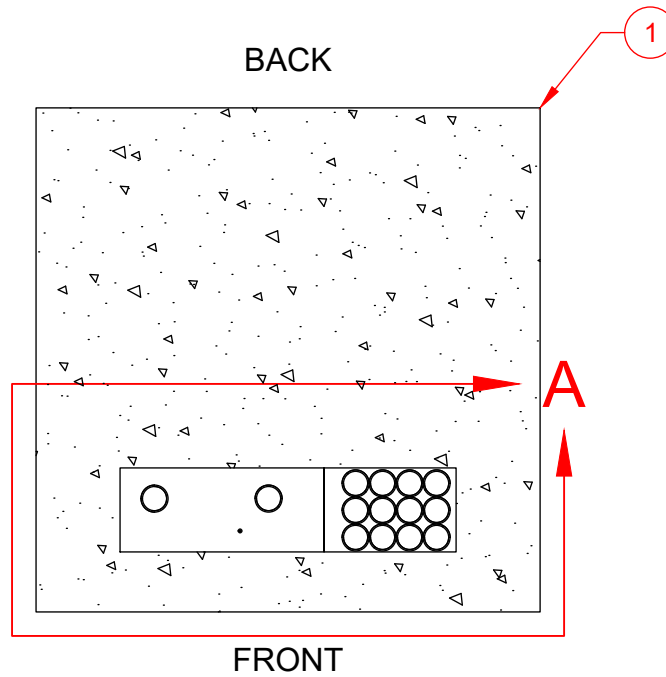




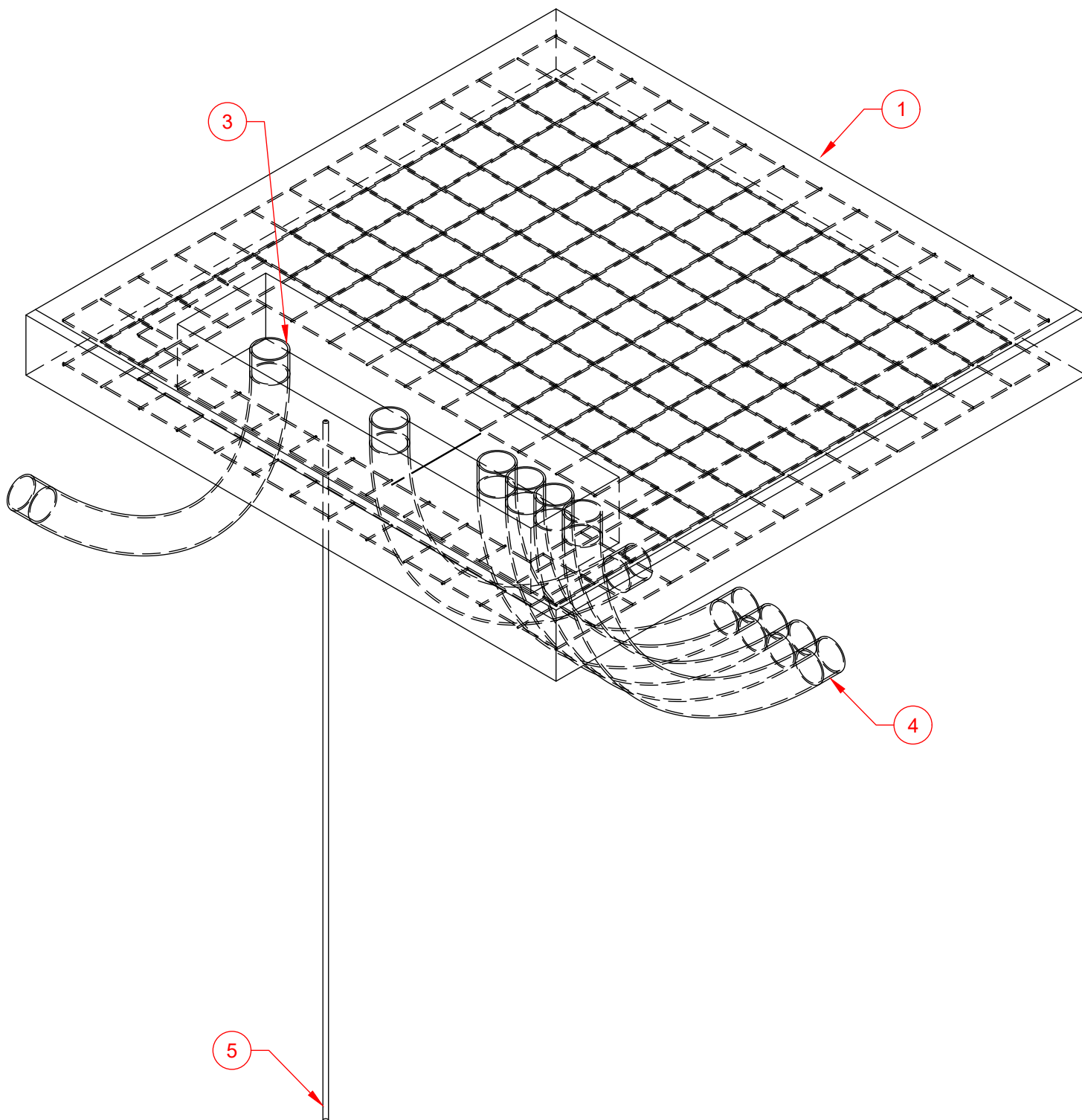
Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Transformer		Customer	Customer	Customer
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
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4	Bend Conduit	• Service Conduit.	Customer	Customer	Customer
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer

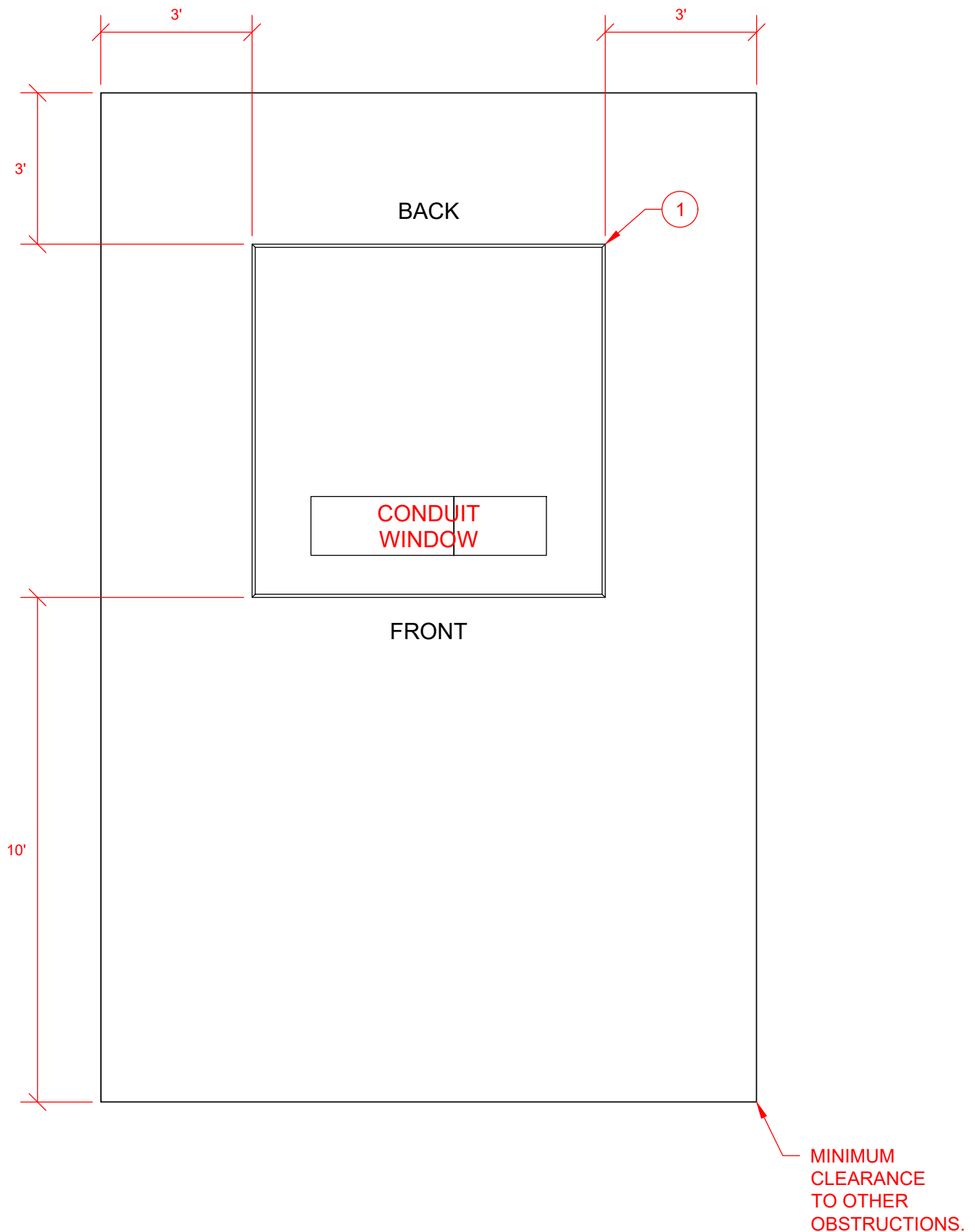


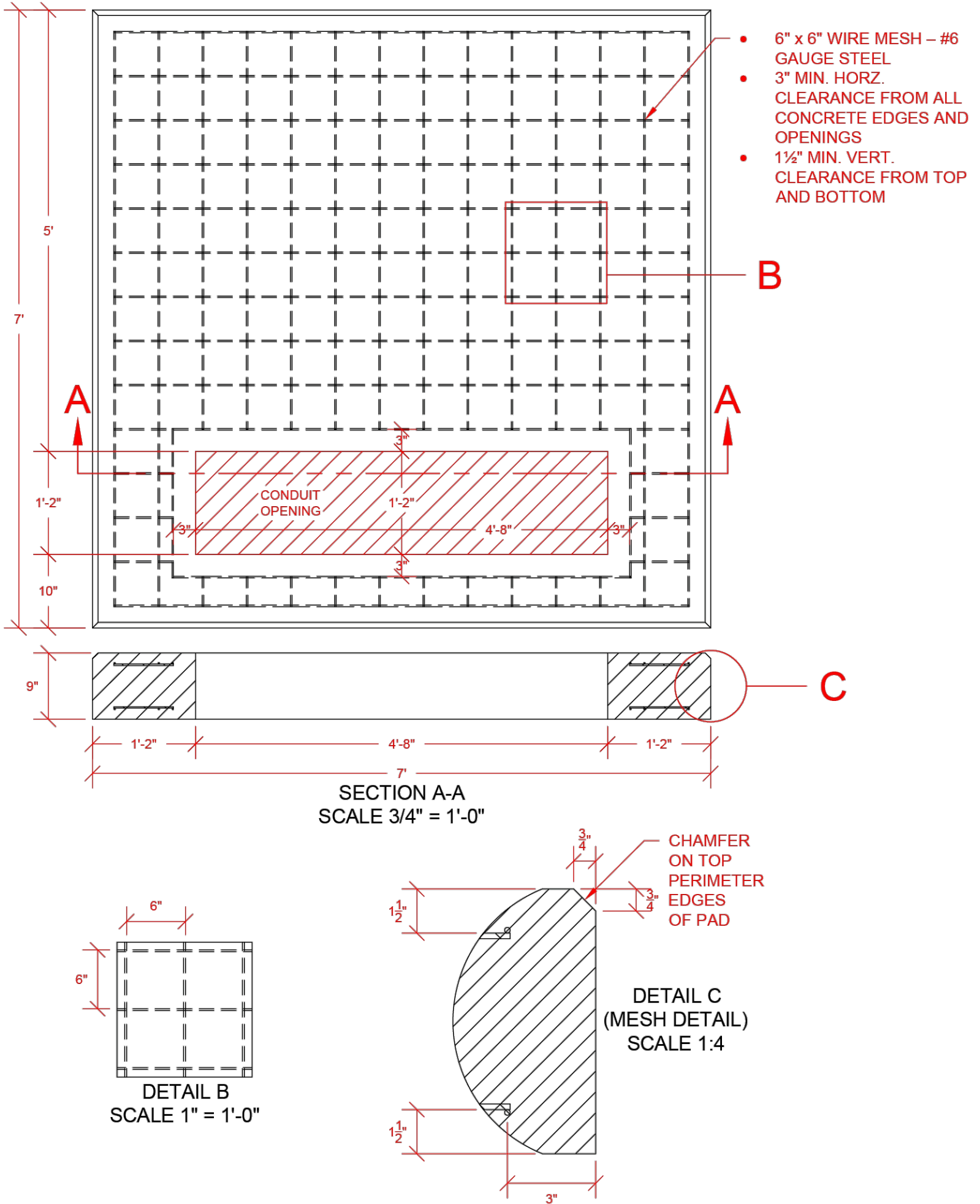
CONDUIT WINDOW



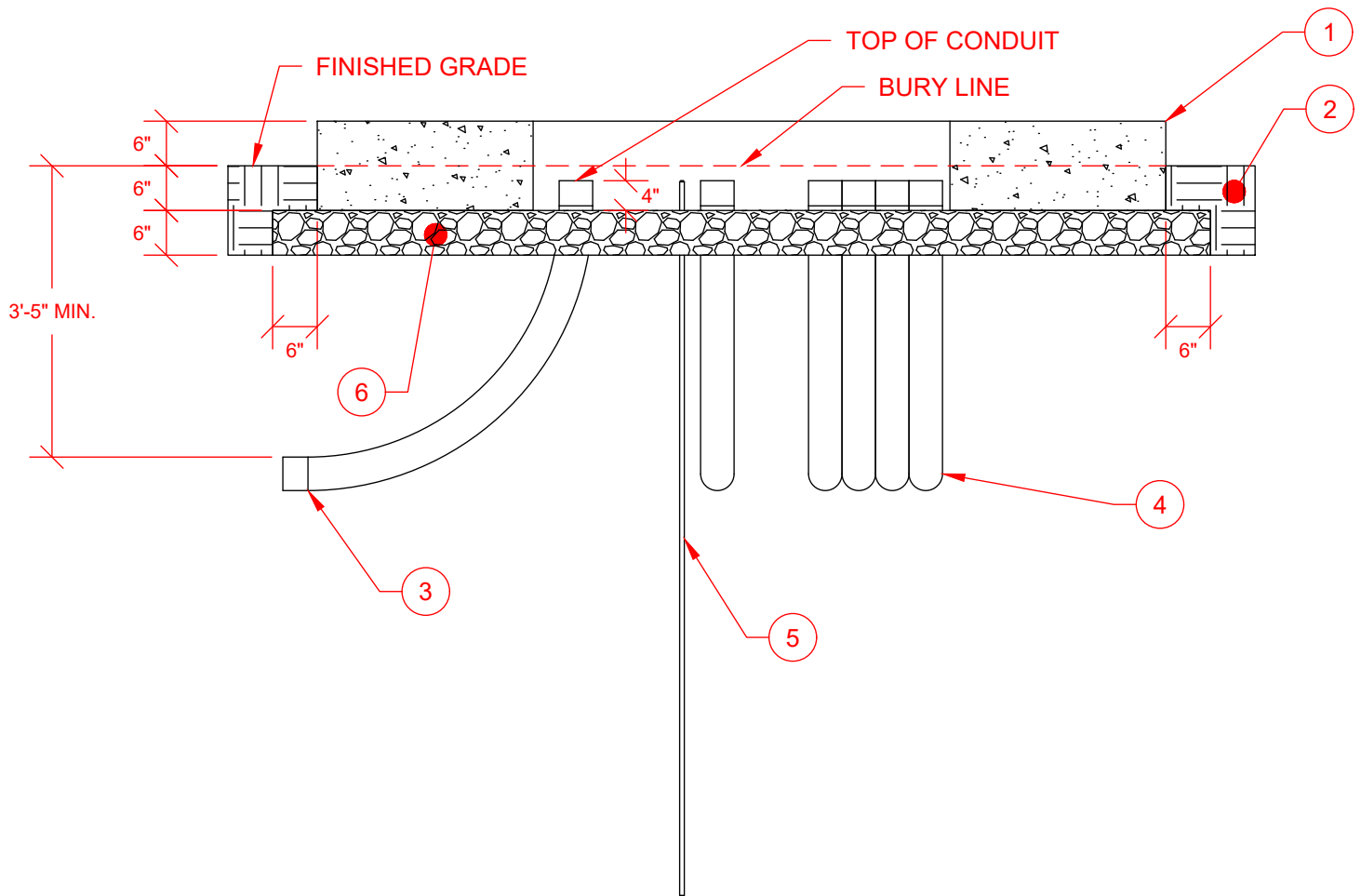
DETAIL A
SCALE 1" = 1'-0"



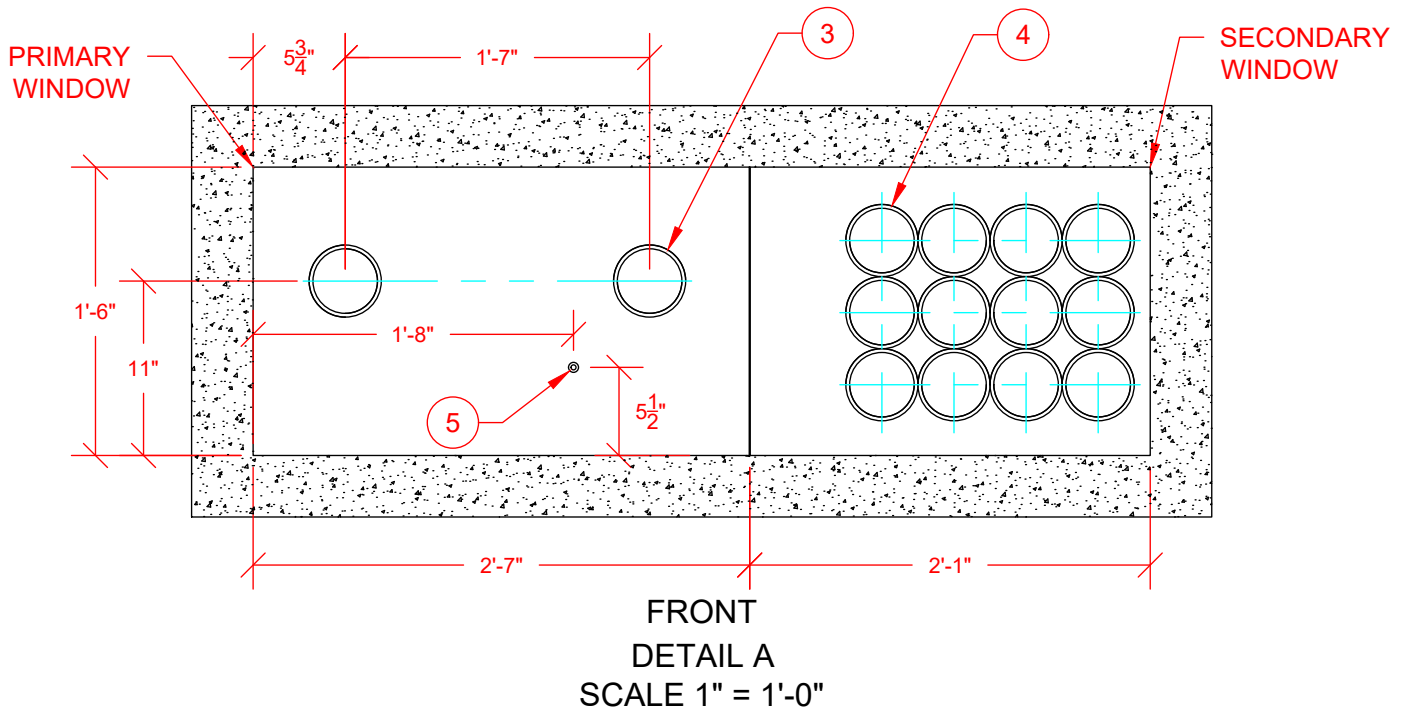
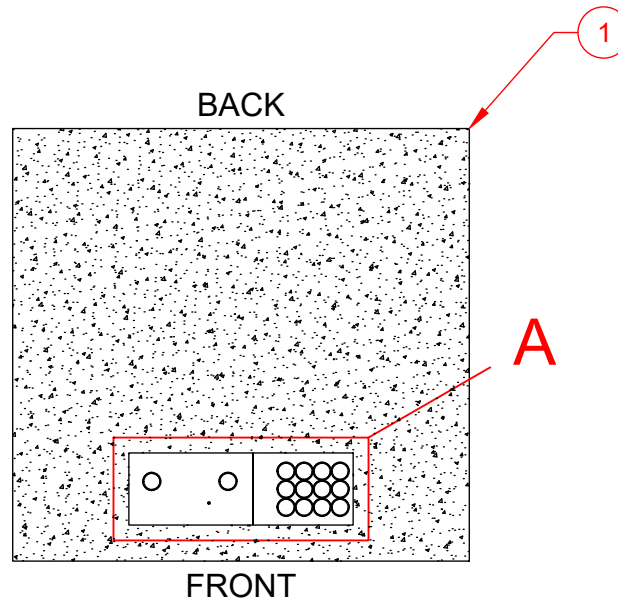


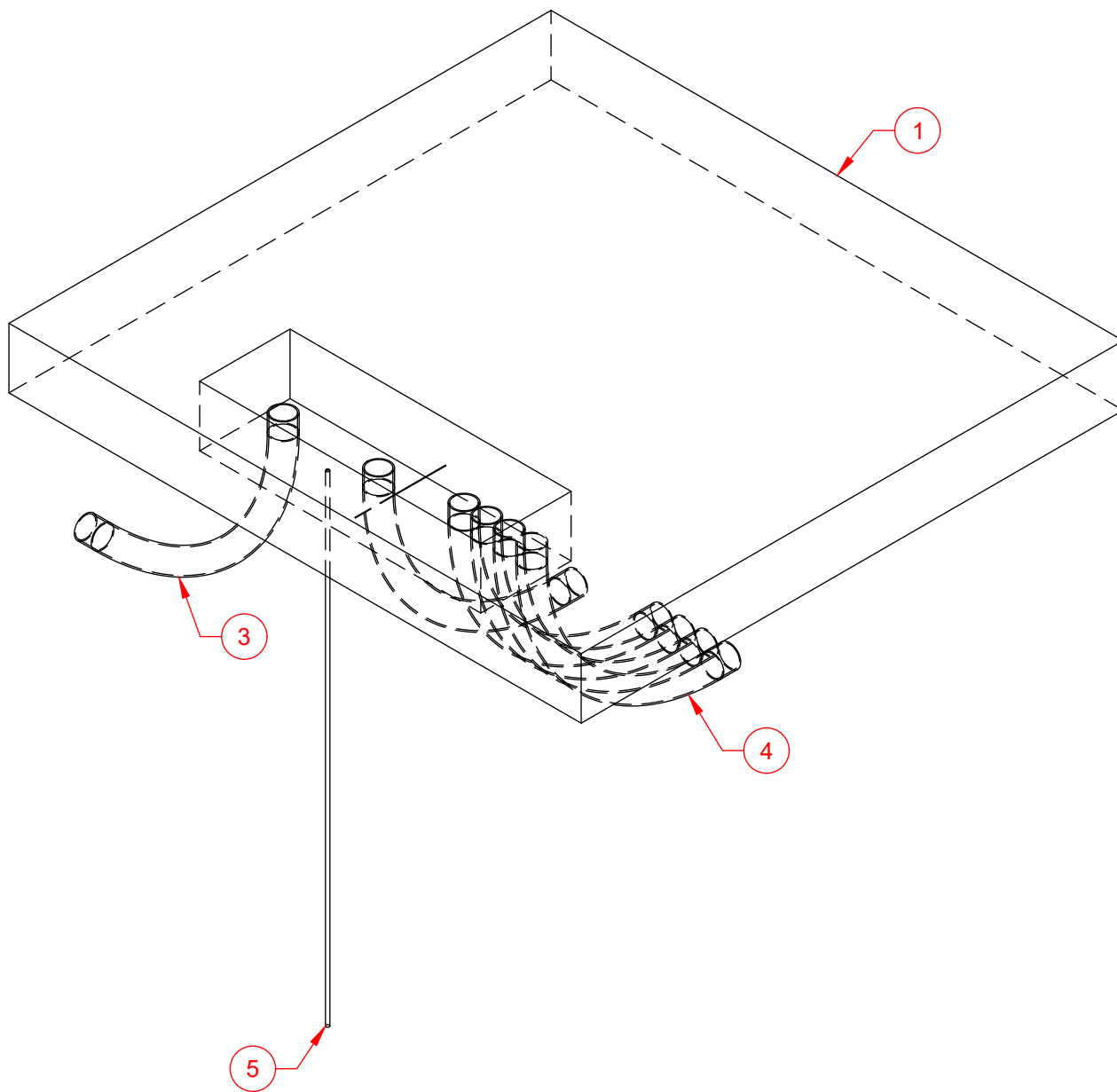


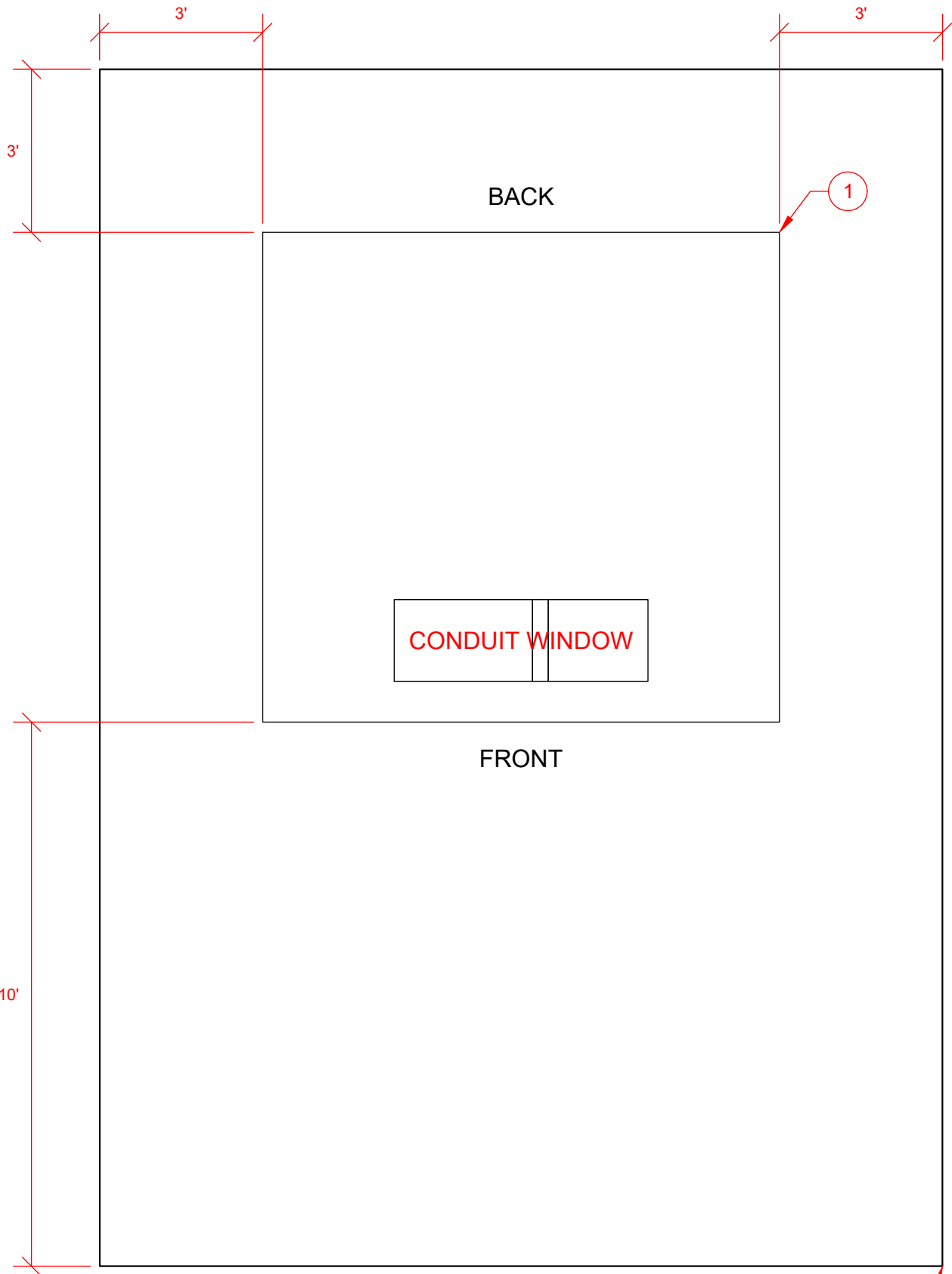
Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Transformer		Customer	Customer	Customer
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
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4	Bend Conduit	• Service Conduit.	Customer	Customer	Customer
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer



CONDUIT WINDOW



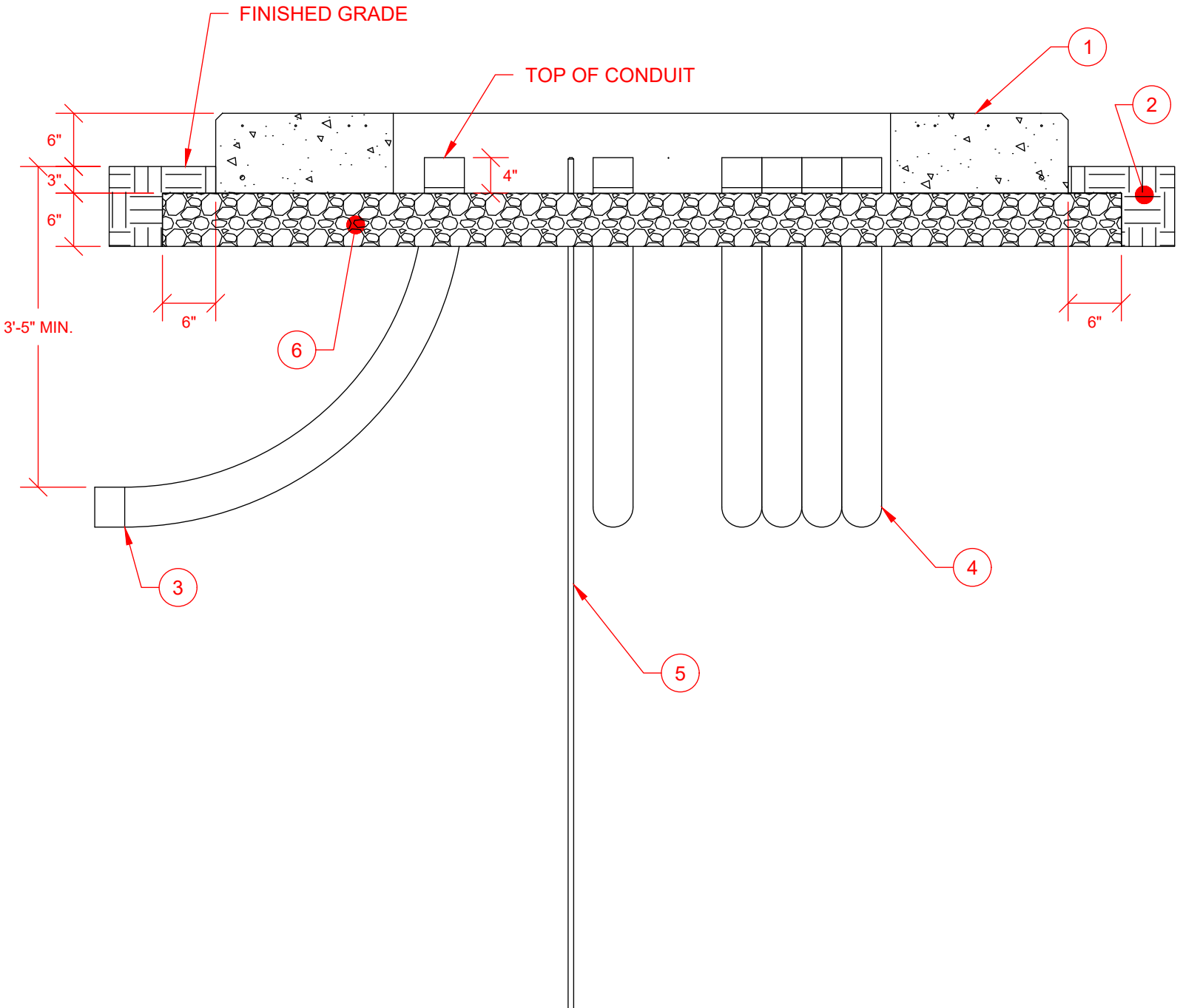




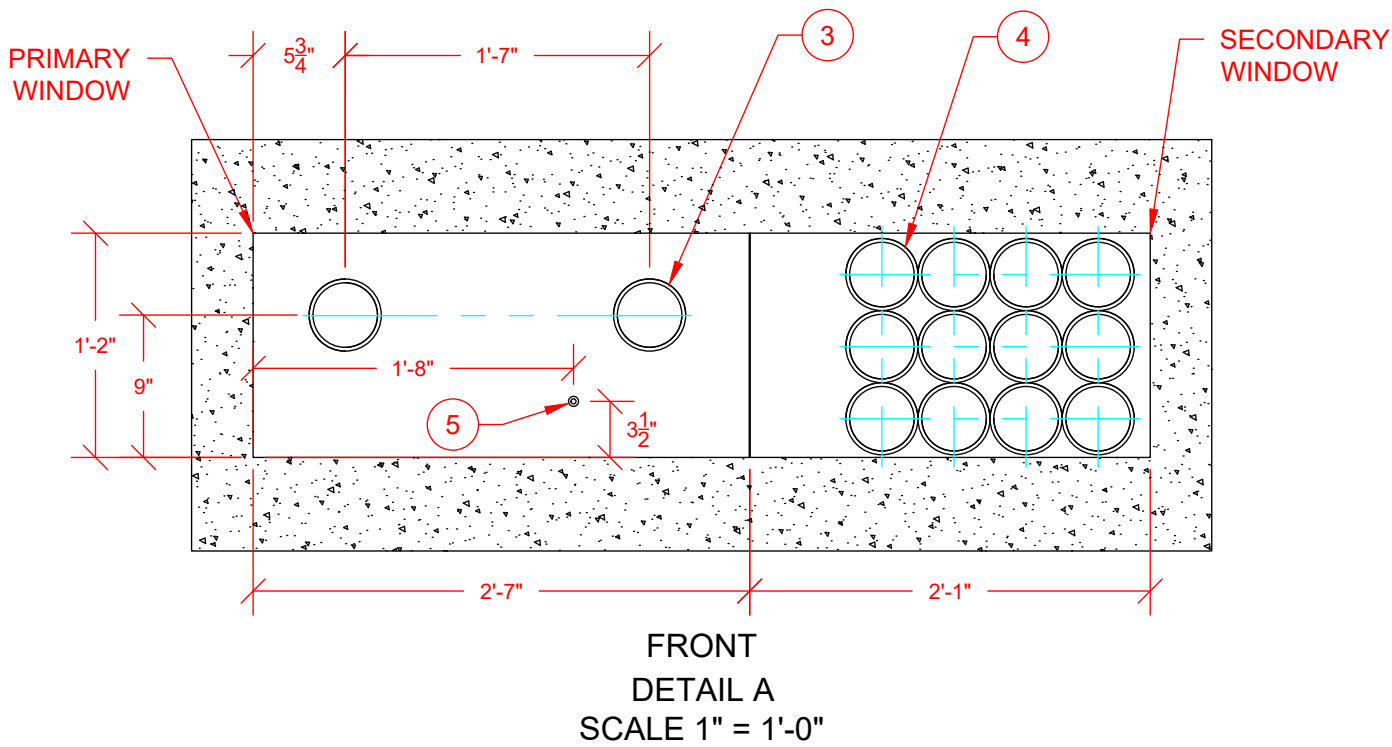
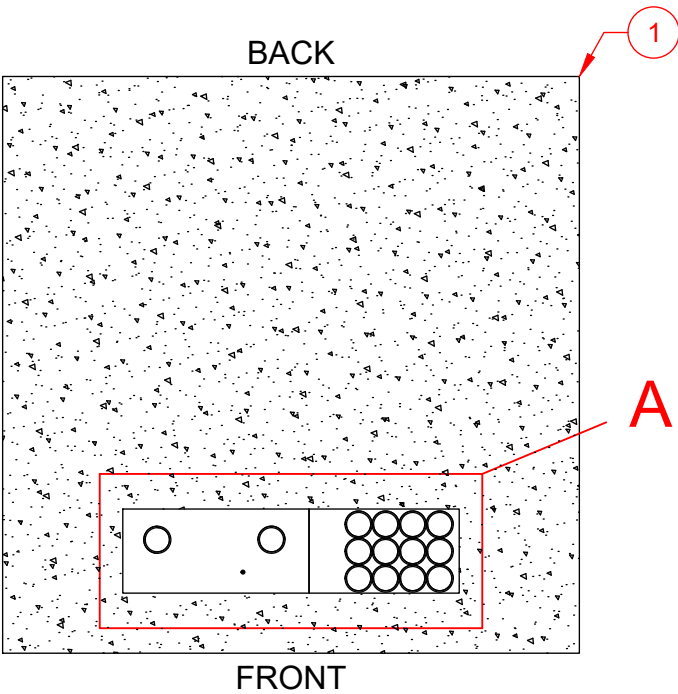
MINIMUM
CLEARANCE
TO OTHER
OBSTRUCTIONS

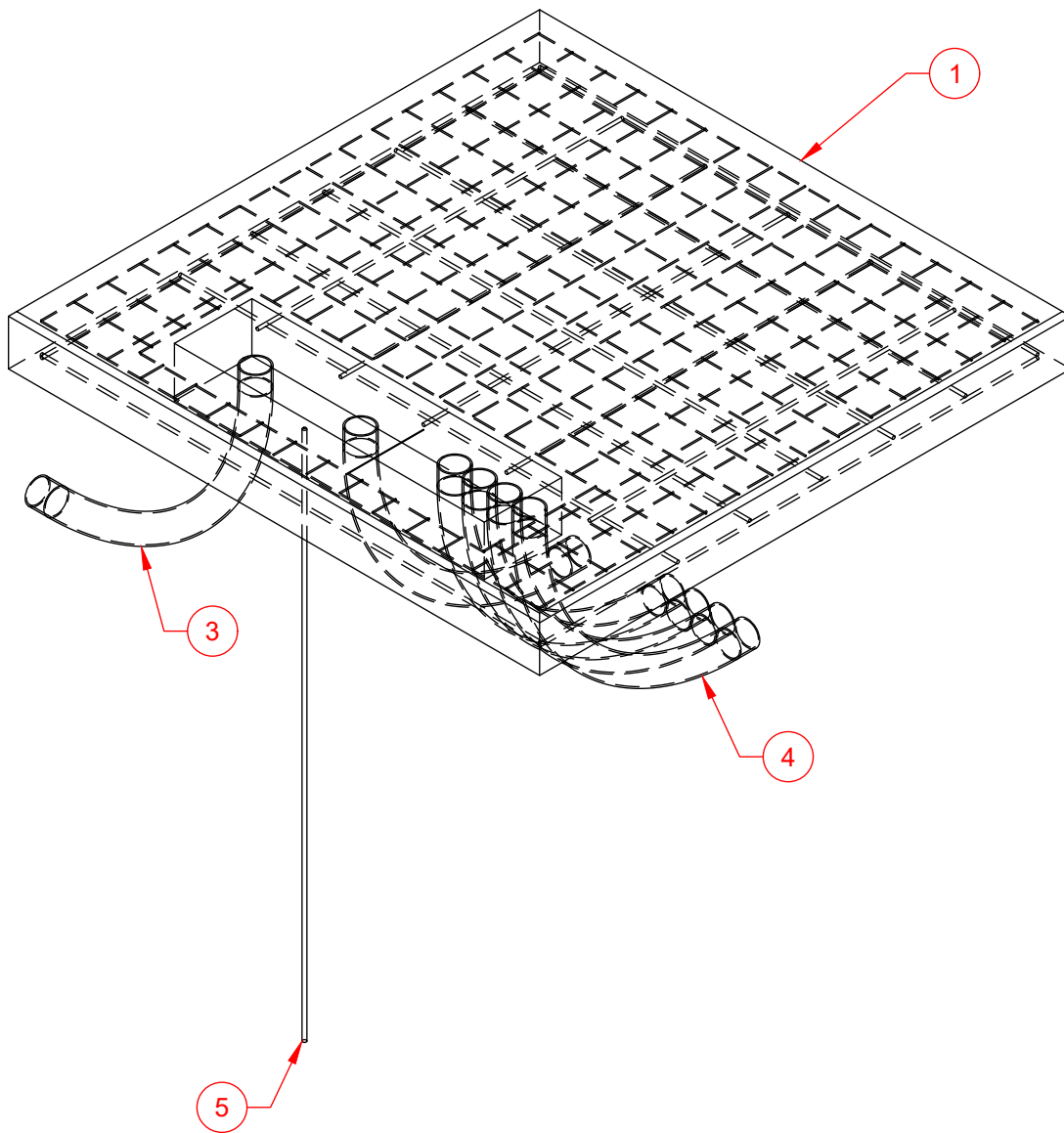
Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Transformer		Customer	Customer	Customer
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
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5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer

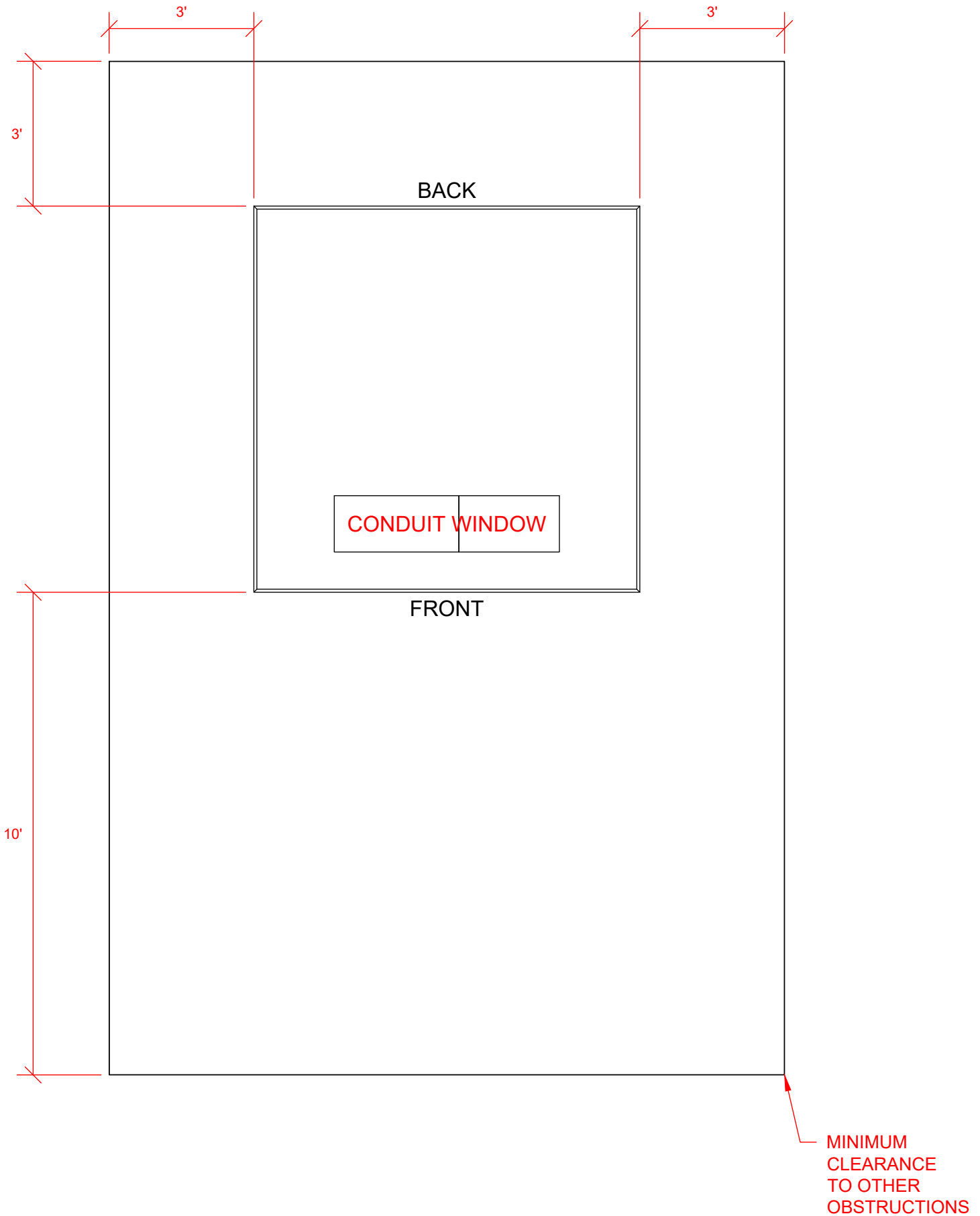


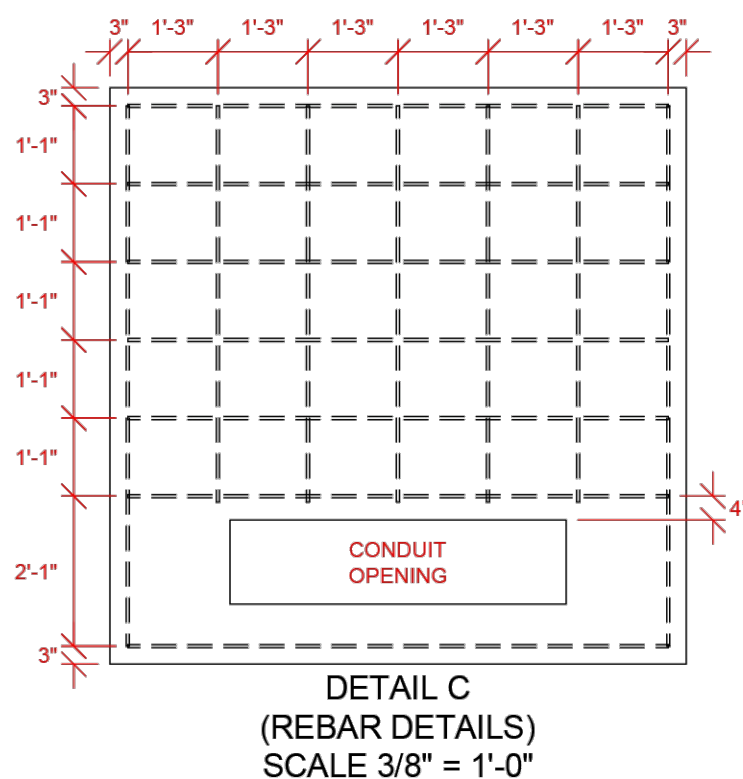
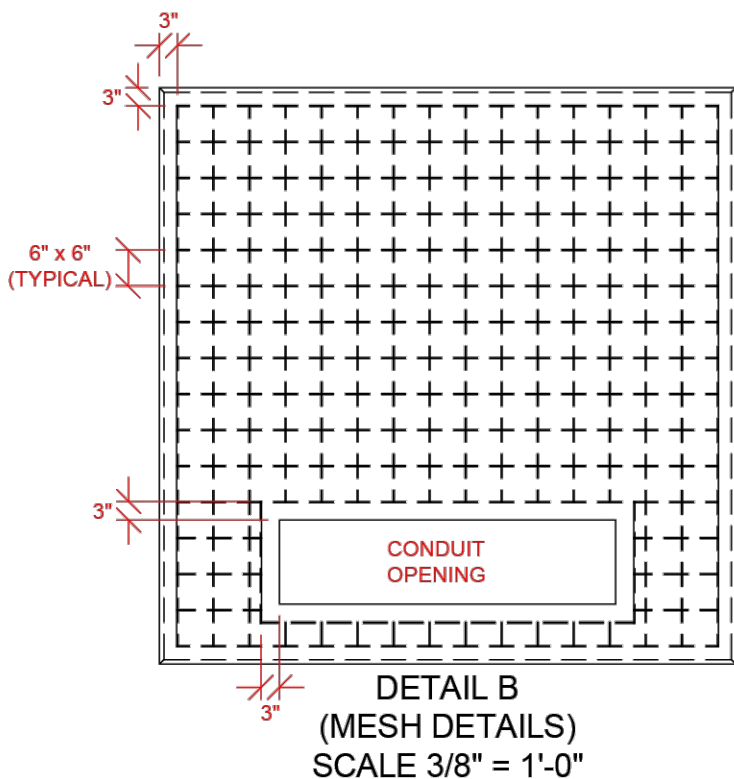
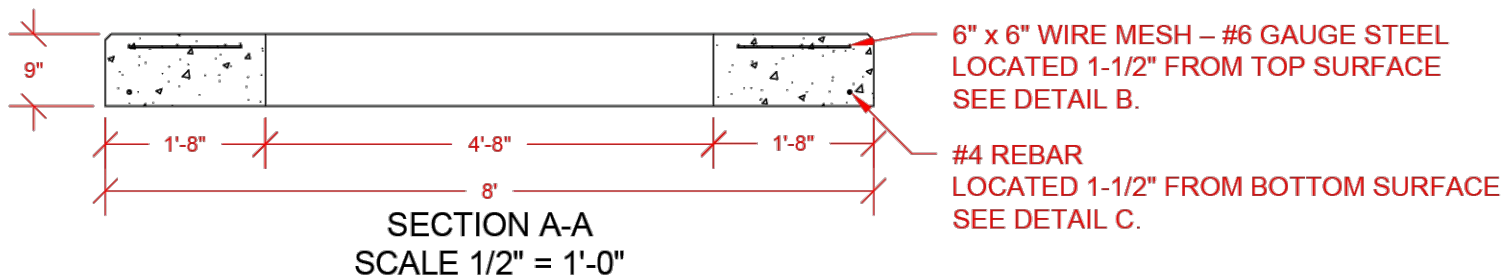
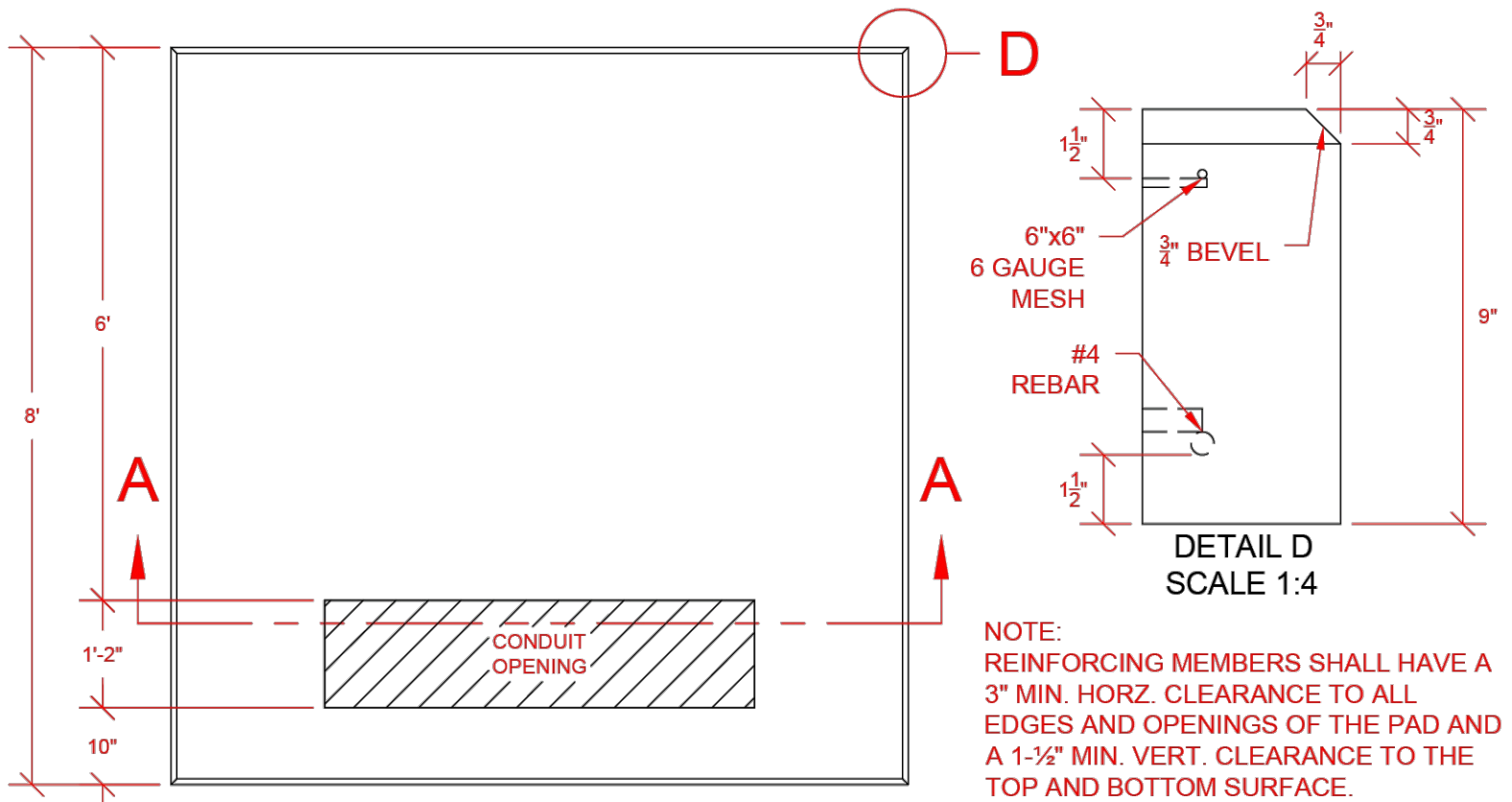


CONDUIT WINDOW









Number	Item	Requirement	Provided By	Installed By	Maintained By
1	Foundation Transformer		Customer	Customer	Customer
2	Backfill	• Backfill compacted to ASTM standard # Backfill should include dome top for settling or compaction to 95% maximum density (Proctor-ASTM D698).	Customer	Customer	Customer
3	Bend Conduit	• Three Phase Conduit.	Customer (Initial)	Customer	Evergy
4	Bend Conduit	• Service Conduit.	Customer	Customer	Customer
5	Grounding Electrode		Customer	Customer	Customer
6	Gravel AB3		Customer	Customer	Customer



Vault Room Application

Scope

This document outlines the minimum requirements necessary to support the safe installation, operation, maintenance, and replacement of Company equipment in customer-provided indoor vault rooms. Additional requirements will apply based on site-specific conditions, equipment configurations, or applicable codes and standards. **Customers should contact the company as early as possible to confirm the specific equipment and requirements that will be necessary for the installation.** These requirements are independent of building code requirements.

Applicability & Limitations

- Indoor vault rooms are permitted solely at the Company's discretion and are limited to existing buildings only where no space is available to be served by standard padmount transformers, overhead pole-mounted transformers, or existing transformer configurations (e.g., submersible vaults or network transformers).
- Indoor vault rooms shall not be approved for new building construction or building expansions. New construction shall utilize standard padmount transformers or overhead pole-mounted transformers.
- All vault room applications require prior approval from a Standards Representative.

Service Limitations

- Service from indoor vault installations shall be limited to:
 - 3-phase 120/208V Wye
 - 3-phase 277/480V Wye
- Indoor vaults shall only be permitted in areas served by 12,470V or 13,200V distribution systems.

Responsibilities

- The Company shall provide and install the following:
 - Primary cables
 - Switchgear
 - Single-phase transformers
 - Spare transformer(s)
- The Customer shall provide and install the vault room and all other necessary equipment, including but not limited to:
 - Conduits
 - Cable trays and supports (primary and secondary)
 - Oil containment systems
 - Ventilation
 - Illumination
 - Power receptacles
 - Grounding and ground bus
 - Secondary cables
 - Any other associated equipment necessary for a complete and functional vault room
 - The Customer shall also provide all drawings and documentation requested by the Company.

Vault Room Design Requirements

- Minimum Room Dimensions

Dimension	Minimum Requirement
Length	30 feet
Width	20 feet
Height	11 feet

- These dimensions are typical for a standard configuration of one (1) switchgear, three (3) transformers, and one (1) spare transformer. Additional equipment beyond this configuration will require additional space or an additional vault room.
- Fire Resistance

- All vault room walls shall be constructed to a minimum 3-hour fire-resistance rating.
- Egress
 - A minimum of two (2) doorways shall be provided to ensure sufficient egress directly away from equipment within the vault room.
 - Doorways shall provide separate paths such that personnel are not required to pass in close proximity to energized equipment to exit.
 - Egress paths shall remain unobstructed.
- Foreign Systems
 - No foreign systems or non-Company infrastructure shall be installed within the vault room, including any systems that would require routine work, maintenance, or inspections inside the vault.
- Oil Containment
 - Containment shall:
 - Contain the full volume of oil plus 25%
 - Prevent migration outside the vault
 - Containment shall not:
 - Block access or egress
- Ventilation
 - Per equipment specifications provided by company.
- Lighting
 - Lighting shall be provided at equipment working surfaces to support inspection, maintenance, and switching.
 - Lighting shall remain available during all work activities.
- Structural Requirements
 - Structures shall support installation, removal, and transport of Company equipment.
 - Design shall:
 - Use max equipment weight or future equipment
 - Include 150% safety factor
 - Account for wheel and point loads

Equipment Dimensions & Clearances

- All required clearances establish Clear Working Space as defined in Standard 8000.0-001.
- Working space shall remain unobstructed and shall not be reduced by:
 - Structural features
 - Conduit, piping, or raceways
 - Oil containment systems
- Alternative room configurations may be considered; however, additional requirements and considerations will apply. The minimum clearances below were used as the baseline to establish the standard room size requirements for any configuration.
- Typical Equipment Dimensions

Equipment	Width	Depth	Height
Transformer	6 ft	4 ft	6 ft
Switchgear	7 ft	3 ft	6 ft

- Working Space & Clearances

Equipment	Front	Sides	Rear	Above
Transformer	10 ft	3 ft	3 ft	3 ft
Switchgear	10 ft	3 ft	0 ft	3 ft

- Cable trays and conduits shall maintain the following minimum clearances:
 - 3 feet from transformers and switchgear
 - 1 foot from ceilings, walls, and other cable trays

Cable Requirements

- Secondary cables shall not exceed 500 kcmil Copper or 750 kcmil Compact Aluminum.
- The maximum number of secondary cable sets shall not exceed twelve (12).
- Bus ducts may be permitted with prior approval from a Standards Representative.
 - Bus duct shall transition to cable at the point of delivery.
 - Company responsibility ends at point of delivery.

Access Requirements

- The Customer/Building Owner shall comply with the following access requirements for the life of the building and vault room.
- Vault Location
 - The vault room shall be located on the first floor of the building. Any alternative location must receive prior written approval from a Company Standards Representative. Alternative locations will carry additional requirements and obligations that the Customer shall be responsible for maintaining for the entire life of the vault room and building.
- Access Path
 - The Customer shall design, and the Company shall approve, a dedicated floor path for moving all equipment between the vault room and the exterior of the building.
 - The access path shall have minimum clear dimensions of 6 feet wide by 9 feet high and shall remain free of all obstructions at all times.
 - All floors and access paths shall be maintained in good condition and shall be level and smooth. The maximum allowable slope shall not exceed 5 degrees. Steps or stairs along the access path are not permitted.
 - All floors and access methods shall be engineered to support the weight of transformers and any attendant equipment used to transport them.
- Access & Security
 - Access shall comply with Unrestricted Access as defined in Standard 8000.0-001.
 - The Company shall have unrestricted 24/7 access to the vault room and all associated access paths. Access shall not be impeded, altered, or restricted without prior Company approval.
 - The Building Owner shall not modify or alter the approved access arrangements without prior written approval from the Company.
 - The Building Owner shall restrict vault room access to authorized Company employees and Company-designated agents only.
 - All access requirements shall be maintained for the life of the building and vault room.

Easement Requirements

- The Customer/Building Owner shall grant the Company, at no cost, a permanent easement for the vault room and all associated access paths to accommodate Company equipment. The easement shall be maintained indefinitely.
- The easement agreement must be fully executed prior to the Company installing any equipment in the vault room.
- The Company reserves the right to serve additional customers using its equipment within the vault room, including customers served at different addresses. The easement shall be written to accommodate this use.

Equipment Clearance

Scope

This section defines minimum clearance requirements for Evergy-owned electrical equipment when installed near buildings, driveways, parking lots, and other structures. These requirements ensure safe installation, maintenance access, and compliance with Evergy standards and applicable codes. Additional requirements may apply under state or local regulations. For unusual circumstances, voltages, structures, or environmental conditions, consult the Company.

Working Space Clearance Requirements

- Equipment with an opening requires 10 feet of clearance maintained in all directions from that opening.
- A clearance of 3 feet must be maintained in all directions from the edge of equipment that does not open.
- No window should extend into the working space of the equipment as outlined in the equipment clearance drawings

Special Considerations

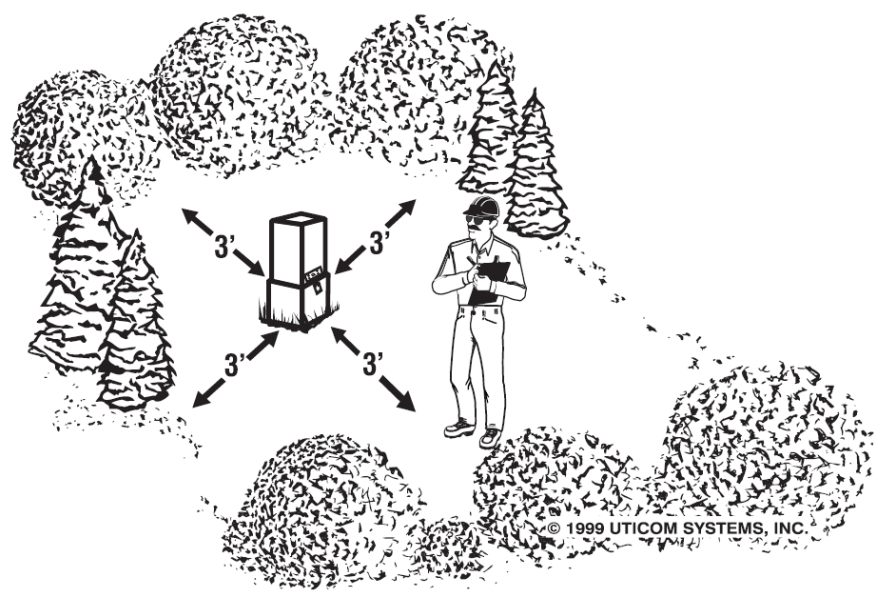
- A minimum of 5 feet of clearance is required around the circumference of fire hydrants for all Evergy-owned equipment.

Secondary Pedestal

Scope

These are the clearances required surrounding secondary pedestals.

Clearance Values



We need room to work safely on this device. Please keep shrubs and structures 3 feet away from the sides.

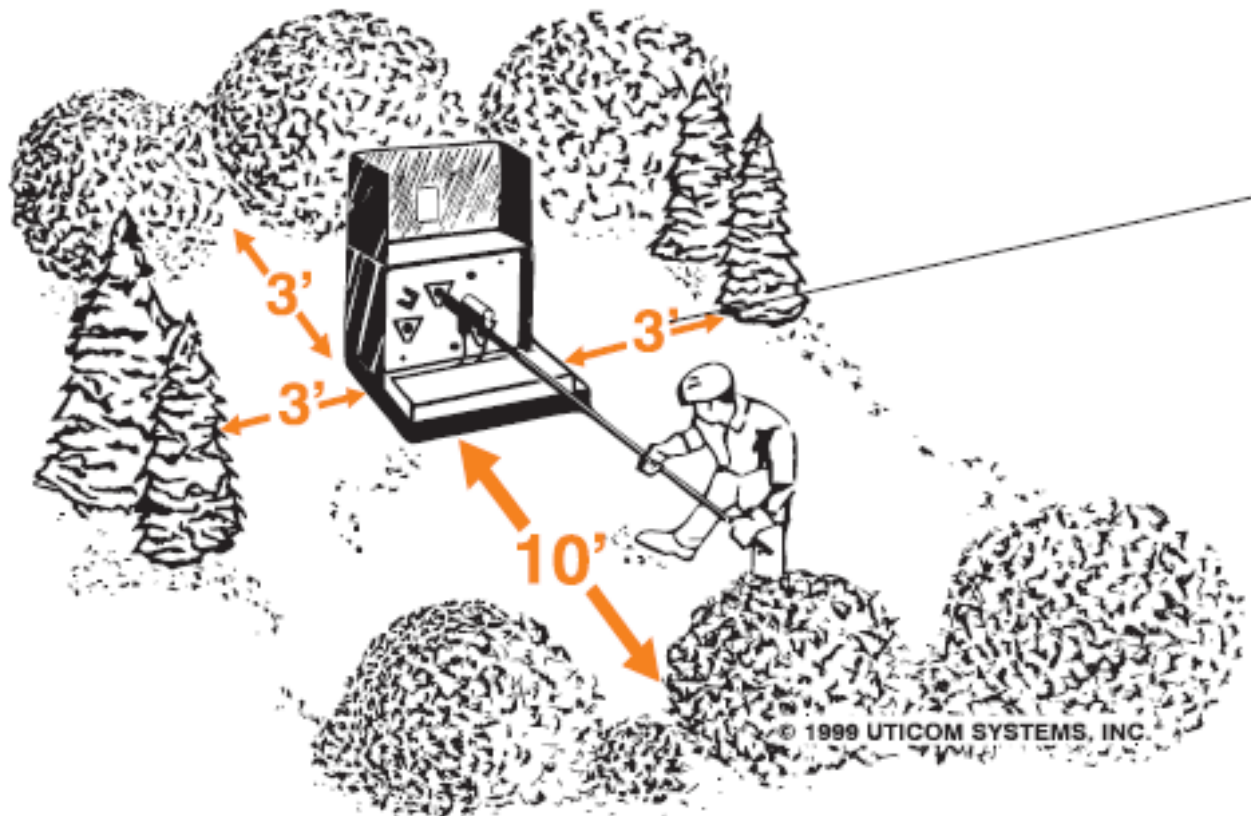
Obstructions may be damaged or removed during service restoration or maintenance.

Single-Phase Sectionalizing Cabinet

Scope

These are the clearances required surrounding single-phase sectionalizing cabinets.

Clearance Values



We need room to work safely on this device. Please keep shrubs and structures 10 feet away from the side with doors and 3 feet from other sides.

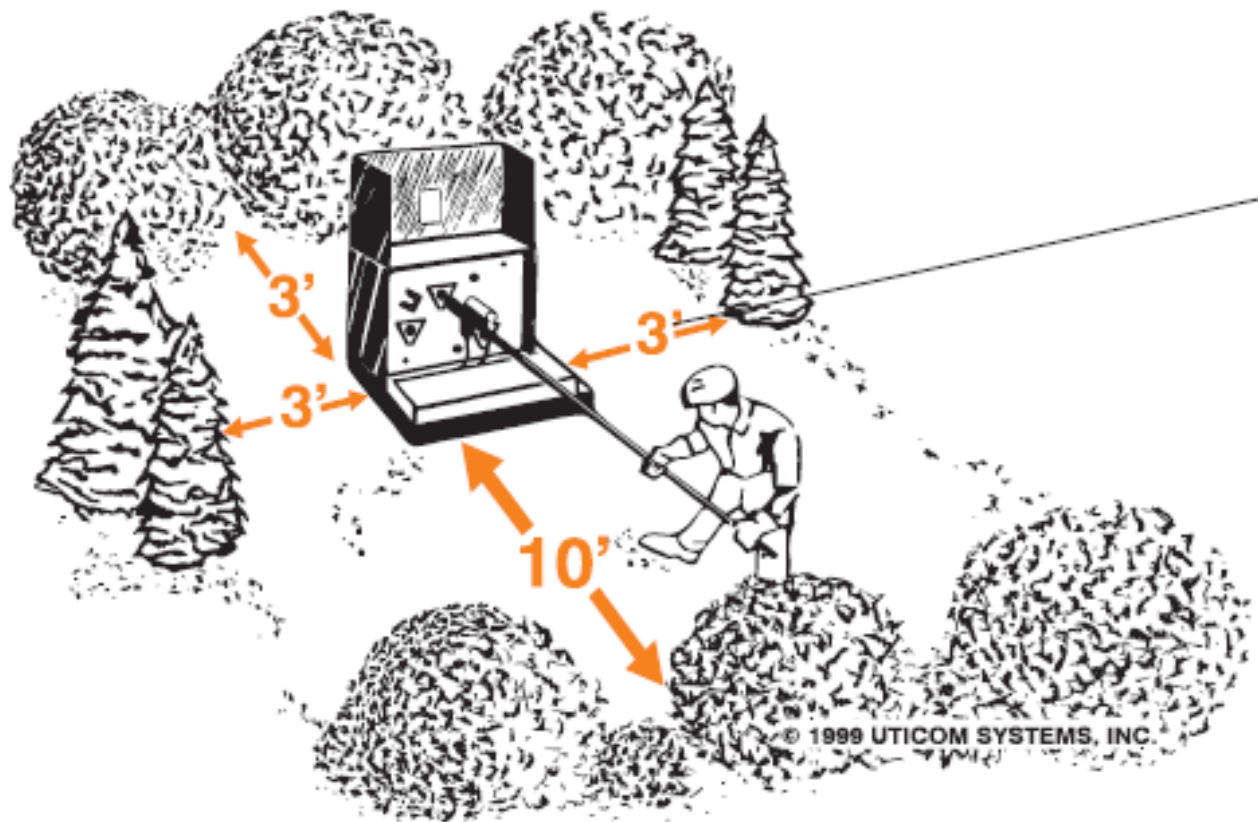
Obstructions may be damaged or removed during service restoration or maintenance.

Three-Phase Sectionalizing Cabinet

Scope

These are the clearances required surrounding three-phase sectionalizing cabinets.

Clearance Values



We need room to work safely on this device. Please keep shrubs and structures 10 feet away from the side with doors and 3 feet from other sides.

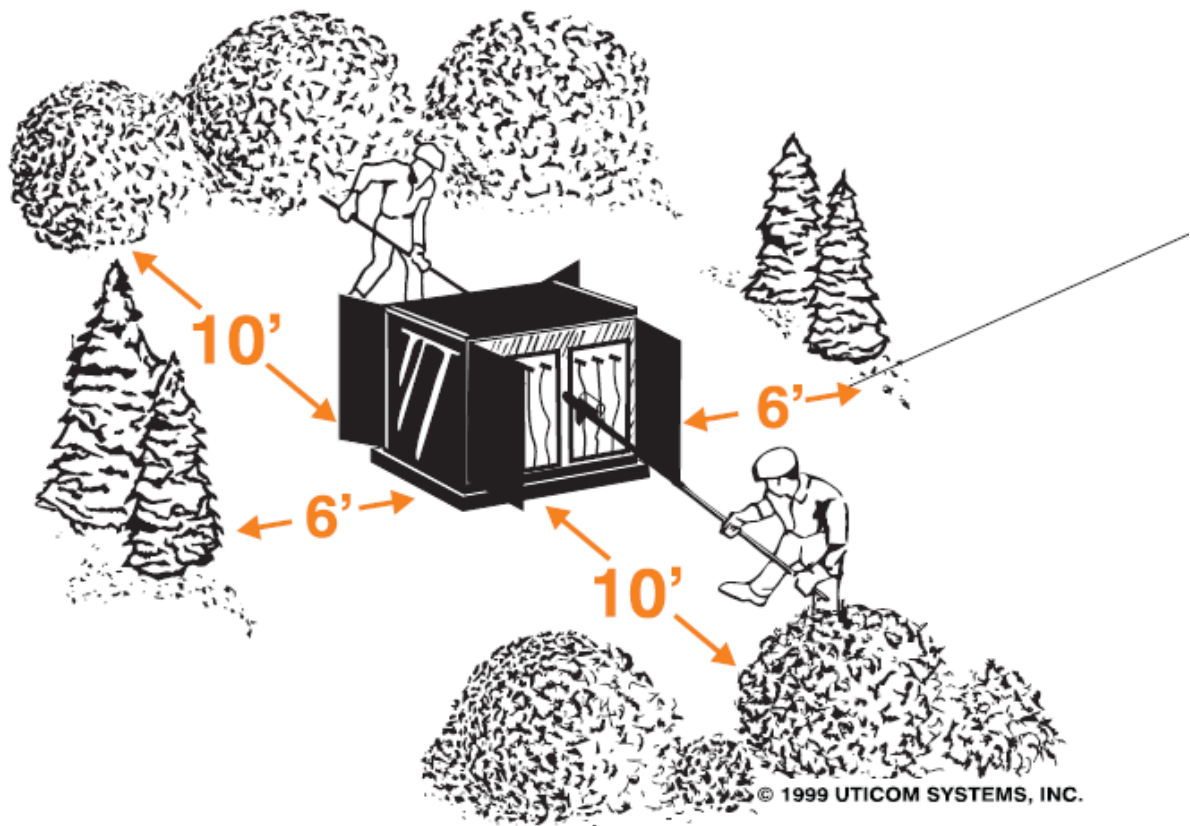
Obstructions may be damaged or removed during service restoration or maintenance.

Two-Sided Switchgear

Scope

These are the clearances required surrounding two-sided switchgears.

Clearance Values



We need room to work safely on this device. Please keep shrubs and structures 10 feet away from the sides with doors and 6 feet from other sides.

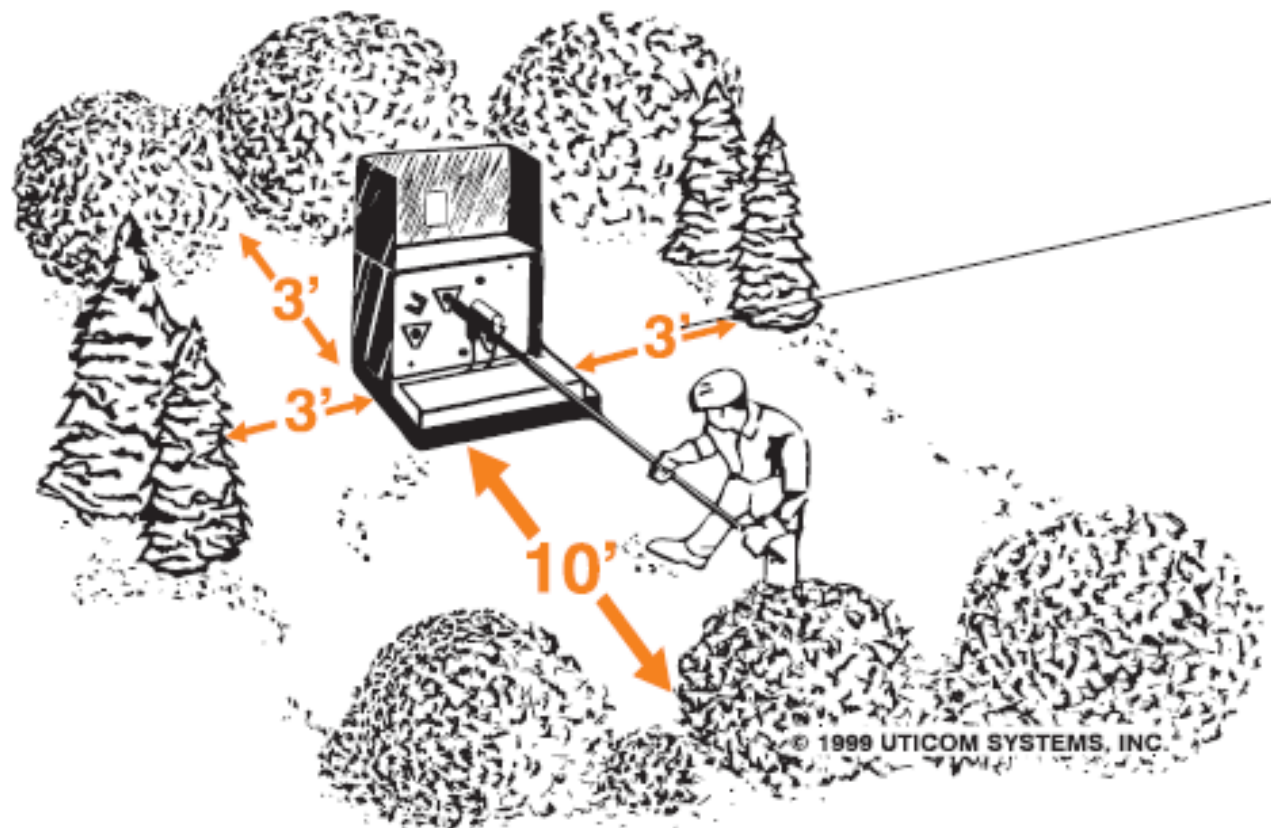
Obstructions may be damaged or removed during service restoration or maintenance.

Single-Phase Padmount Transformer

Scope

These are the clearances required surrounding a single-phase transformer pad.

Clearance Values



We need room to work safely on this device. Please keep shrubs and structures 10 feet away from the side with doors and 3 feet from other sides.

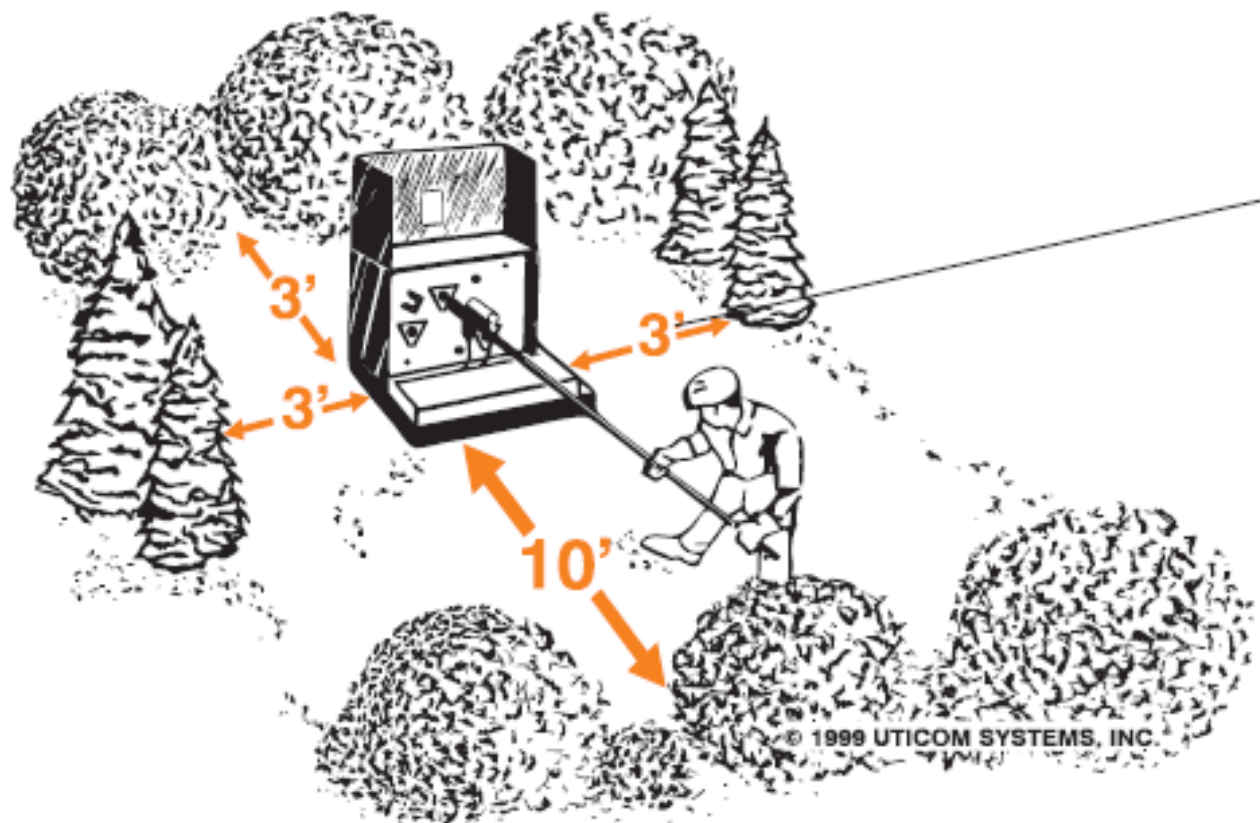
Obstructions may be damaged or removed during service restoration or maintenance.

Three-Phase Padmount Transformer

Scope

These are the clearances required surrounding a three-phase transformer pad.

Clearance Values



We need room to work safely on this device. Please keep shrubs and structures 10 feet away from the side with doors and 3 feet from other sides.

Obstructions may be damaged or removed during service restoration or maintenance.

Key Contacts

Evergy Kansas Metro, Evergy Missouri Metro, Evergy Missouri West Contacts:

- Customer care - 1-888-471-5275 from 7 am-5 pm on weekdays (except holidays)
- General Offices, Downtown Kansas City - (816) 556-2200
- For emergencies, power out or lines down, call toll-free – 1-888-544-4852 (1-888-LIGHT-KC)

Evergy Kansas Central Contacts:

- Residential 1-800-383-1183
- Business 1-800-401-5666

Utility One Call:

- Missouri – 1-800-344-7483 (1-800-DIG-RITE)
- Kansas – 811 or 1-800-344-7233 (1-800-DIG-SAFE)

Standards Representative:

- Email: servicestandards@evergy.com

Electric Service Standards Revision Log

Scope

This document is intended to provide a high-level summary of revisions. Applicable standards should be reviewed by service type or application to ensure reference to the latest approved version.

Rev. 0 – 4/13/2026

Initial publication of the Electric Service Standards.



EVERGY
SERVICE
STANDARDS

DRAWN
DATE
5/1/2026

ESS GENERAL
GENERAL
REVISION LOG

8000.0-999
Sheet 1 of 3

Rev. 1 – 5/18/2026

Summary	Revision	Revision Type
8000.0-001	ADDED DEFINITION FOR METER SOCKET COMPARTMENT AND SELF-CONTAINED METER SOCKET	TEXT DOCUMENT REVISION
8000.0-001	ADDED DEFINITION FOR UNRESTRICTED ACCESS	TEXT DOCUMENT REVISION
8000.0-004	UPDATED LINK URL	TEXT DOCUMENT REVISION
8000.0-004	UPDATED THE SERVICE TYPE DECISION TREE HYPERLINK TO A WORKING LINK.	TEXT DOCUMENT REVISION
8000.0-005	REVISED SERVICE CLASSIFICATION WORDING TO CLARIFY COMMERCIAL/NON-RESIDENTIAL RATE APPLICABILITY AND STRUCTURES WITH FIVE OR MORE RESIDENTIAL METERS	TEXT DOCUMENT REVISION
8000.0-005 and 8300.0-000	ADDED SUBSTATION AND TRANSMISSION PRIMARY METER REQUIREMENTS.	TEXT DOCUMENT REVISION
8000.0-400	CORRECTED INTRODUCTORY TEXT REQUIRING CONTRACTORS/CUSTOMERS TO BALANCE LOADS ON THREE-WIRE AND FOUR-WIRE SYSTEMS.	TEXT DOCUMENT REVISION
8005.57-001	REMOVED BLANK SPACE BY REDUCING IMAGE SIZE CAUSING IMAGE TO APPEAR ON NEXT PAGE	TEXT DOCUMENT REVISION
8010.0-000	REMOVED ALLOWANCE FOR INTERNAL METERING IN RESIDENTIAL BUILDINGS WITH FOUR OR MORE FLOORS, INCLUDING PRIOR COMPANY APPROVAL LANGUAGE	TEXT DOCUMENT REVISION
8143.48-032	UPDATED CONDUIT ENTRANCE BUBBLE ON PAGE 2	DRAWING REVISION
8241.68-022 and 8241.68-032	FIXED MISSING METER SOCKET BUBBLE	DRAWING REVISION
8261.76-022	ADDED BUBBLE 24 TO PAGE 2 & PAGE 4	DRAWING REVISION
9520.0-503	ADDED CUSTOMER RESPONSIBILITY TO INSTALL AND MAINTAIN A STUB-OUT MARKER UNTIL CONDUIT INSTALLATION IS COMPLETE	TEXT DOCUMENT REVISION
9520.24-001	CREATED THE STANDARD FOR THE STUB OUT IN THE PFD	NEW STANDARD ADDED
9550.0-000	ADDED VEHICULAR SPEED-BASED CLEARANCE REQUIREMENTS, INCLUDING INCREASED SETBACKS AND BOLLARD/BARRIER GUIDANCE BASED ON TRAFFIC SPEED	TEXT DOCUMENT REVISION
9550.0-000	UPDATED SCOPE TO SHOW ONLY FOR EQUIPMENT ON CUSTOMERS PROPERTY	TEXT DOCUMENT REVISION
9550.2-001 and 9550.2-002	REMOVED BLANK TABLE ON PAGE 2	DRAWING REVISION
9550.2-054 and 9550.2-058	CREATED BOUNDARY HATCHING TO ADD CLARITY	DRAWING REVISION
9550.66-000	ADDED STANDARD FOR VAULT REQUIREMENTS	NEW STANDARD ADDED
3 documents in 8211-	ADDED DIMENSION BUBBLES TO PAGE 2	DRAWING REVISION

Summary	Revision	Revision Type
6 documents in 9550-____	CHANGE THE PROVIDED BY FROM EVERGY TO CUSTOMER	REQUIREMENT TABLE REVISION
10 documents in 8241-____	REMOVED CONDUIT DEPTH REQUIREMENT FOR SECTION 8241	REQUIREMENT TABLE REVISION
24 documents in 8216-____	ADDED STANDARD FOR COMMERCIAL SINGLE OCCUPANT OVERHEAD (CSOO) - GROUND MOUNTED FROM POLE	NEW STANDARD ADDED
9 documents	CHANGED THE BUILDING TO COMMERCIAL	DRAWING REVISION
12 documents	REMOVED MODULAR 400 AMP METER SOCKET STANDARDS	REMOVED STANDARD
12 documents	ADDED CLARIFICATION TO THE GROUNDING REQUIREMENTS	TEXT DOCUMENT REVISION
15 documents in Chapter 81.1	CREATED EV STANDARDS	NEW STANDARD ADDED
58 documents in Chapter 81.4	ADDED CONDUIT BENDING RADIUS DATA TO THE SERVICE EQUIPMENT SIDE OF THE CONDUIT RUN FOR RESIDENTIAL SERVICES.	REQUIREMENT TABLE REVISION
73 documents in Chapter 82.2	ADDED MAXIMUM LENGTH OF 65 FEET TO CONDUIT CT CONDUCTOR.	REQUIREMENT TABLE REVISION
143 documents	LINES REMOVED FROM CONDUCTORS IN SERVICE DRAWINGS.	DRAWING REVISION
152 documents	ADDED REQUIREMENT TO MARK THE END OF THE STUBOUT.	REQUIREMENT TABLE REVISION
450 documents	ADDED REQUIREMENT FOR POINT OF ATTACHMENT TO BE WORKED OFF LADDER.	REQUIREMENT TABLE REVISION
450 documents	ADDED REQUIREMENT OF 3 FOOT OF SERVICE CONDUCTOR OUT OF WEATHERHEAD	REQUIREMENT TABLE REVISION
478 documents	ADDED REQUIREMENT FOR SERVICE ENTRANCE CONDUCTORS TO NOT CROSS SERVICE CONDUCTOR.	REQUIREMENT TABLE REVISION