

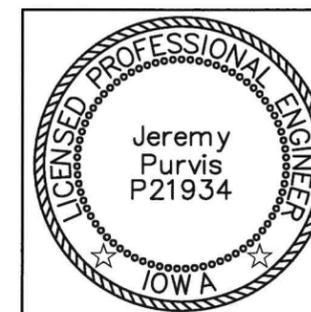
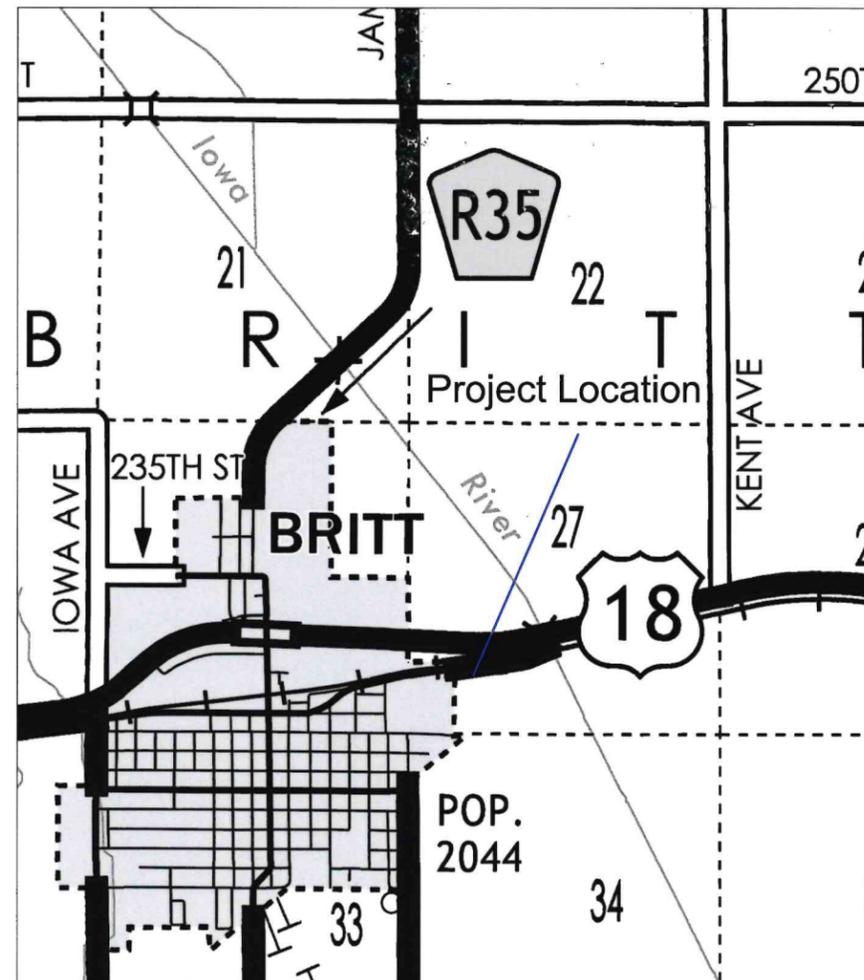
Hancock County Secondary Roads

Britt Cold Storage Building
1020 Diagonal St, Britt IA 50423

Owner/Engineer
Hancock County Road Department
855 State Street
Garner IA 50438
Contact: Jeremy Purvis
Title: County Engineer
Phone: 641-923-2243
Email: Jeremy.Purvis@hancockcountyia.org

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2	Description of Work
3	Building Elevations
4	Floor Plan
5	Grading Plan

Utility Contacts			
Company Name	Design Contact	Phone	Email
ALLIANT ENERGY	Alliant Energy Field Engineer	(800) 255-4268	locate IPL@alliantenergy.com
BRITT, CITY OF	Vance Hagen	(641) 843-4433	brittpw.hagen@gmail.com
COMMUNICATIONS 1 NETWORK, INC.	Jayson Keiper	(641) 762-3772	jkeiper@comm1net.net
MEDIACOM	Bob Stalker	(641) 430-0748	rstalker@mediacomcc.com



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the Laws of the State of Iowa.

Jeremy Purvis 3-4-26
 Date
 Jeremy Purvis, P.E.
 License Number : P21934
 My license renewal date is December 31, 2026
 Pages or sheets covered by this seal: 1 - 5

DESCRIPTION OF WORK:

This project is the construction of a 216' x 54' wood frame building with a connected 42' x 80' wood frame building.

The Owner will be responsible for the following work and is not included in the bid package:

1. Rough grading of the building pad shall be provided by the owner
2. North side subdrain line for downspout outlet
3. Electrical panel, outlets, and lighting: By others (Future), not included with this project.
4. Temporary power will be provided by Hancock County.

The drawings are not intended to show every detail necessary for completion of the project. The Contractor shall be responsible for providing all labor, materials, equipment, and incidentals required to complete the work in a proper and workmanlike manner. The Contractor shall be fully qualified to perform the work and shall complete all items reasonably necessary to deliver a finished project that is safe, functional, and ready for its intended use, except for work specifically identified as excluded above.

GENERAL PROVISIONS:

Hancock County reserves the right to reject any materials determined to be defective, non-conforming, or otherwise unacceptable. Hancock County shall maintain Builder's Risk insurance for the project. Contractors shall submit bids using the Hancock County bidding proposal forms provided and shall comply with all requirements outlined in the project specifications.

The specifications are based on a wood-frame structure utilizing dimensional lumber roof trusses. Contractors proposing alternative structural systems, including but not limited to steel framing, steel roof trusses, or beam/rafter designs, shall submit complete design specifications and supporting documentation to the Hancock County Engineer for review and value engineering consideration.

Any proposed alternative design shall meet or exceed all functional and performance requirements of the original specifications, including interior and exterior finishes and all related components, unless otherwise approved by Hancock County. Alternative designs shall be provided at no additional cost to the project unless specifically authorized in writing by Hancock County.

GENERAL CONSTRUCTION NOTES

Pre-Engineered Building Package

- 1) Submittals: Submit for approval prior to ordering complete and detailed shop drawings showing size and location of each part and component, certifying that the building design meet Uniform Building Code roof and wind loading requirements.
- 2) Foundation: Installed to manufacturer's recommendations.
- 3) Roof Members: Appropriately spaced and sized to mate with post member design. Gable roof with a 4:12 roof pitch. Members may be trusses or beams. Members are to be sufficiently sized to meet local snow and deadloads as required by the Uniform Building Code.
- 4) Post Members: Appropriately spaced and sized to mate with roof member design.
- 5) Wall Members: Installed to manufacturer's recommendations providing enough support on the inside of all exterior walls and ceiling to attach the interior steel siding.
- 6) Soffits: Install minimum 12" soffits to interlock with trim items at top of steel siding and at the fascia. Use 12" solid soffit at end overhang. Use a combination of solid and perforated soffits to provide balanced ventilation at side overhangs.
- 7) Roof Vents: Ridge vents to be provided and installed on the peak of roof.
- 8) Gutter and Downspouts: Minimum 5" gutter and downspouts shall be used. Connect North side to downspout collection line (by Owner). Coordinate final location, size, and number of downspouts with the Owner.
- 9) Pre-Finished Metal Panels: Roofing panels, exterior siding, and wainscot shall be 29-gauge minimum thickness commercial galvanized steel sheets fastened with stainless steel screws and a minimum G90 coating. The color selection of siding panels shall be from the manufacturer's standard color chart. The interior walls and ceiling are to be lined with 29-gauge minimum thickness galvanized steel siding and painted white.
- 10) Insulation: Wall insulation is to be 6" fiberglass batt rated at R-19 minimum. Ceiling insulation is to be fiberglass batt insulation rated at R-49 minimum. 4 mil vapor barrier required. Spray foam insulation would be permitted as no additional cost alternative at the contractor's option. Attic access hatches shall be provided.
- 11) Overhead Doors: See door schedule for count, size and location. Minimum R-9 insulated overhead doors without windows on single 3" tracks. Overhead door installation is to include ½ hp electronic door openers. Door openers are to include an electronic remote-control unit for vehicle use. Door finish: White.
- 12) Walk Doors: See door schedule for count, size and location. Insulated steel or extruded aluminum door with minimum R-8 insulation is required. Each door is to open inward. Exterior lockset shall be Schlage Plymouth Satin Chrome electronic keypad entry or equivalent equal. Door finish: White.
- 13) Building Add-ons: Provide snow bars on the north side roof to protect from snow and ice buildup.

Concrete Floors & Approaches

1. Interior Floor

(ADD-ALTERNATE 1): Interior floor to be a minimum 7" of compacted modified subbase. Modified subbase density is estimated at 140 pcf. Floor shall be flat with no slope and no floor drains.

OR

(ADD-ALTERNATE 2): Interior floor to be a minimum 7" concrete with 10 mil vapor barrier. Concrete mix is to be minimum 4,500 psi concrete with standard 5.5%-8% air entrainment. Floor to be reinforced with number 5 bars set 2" above bottom of slab longitudinally and transversely spaced at 24" with a vapor barrier. In lieu of rebar, 4 lb/CY synthetic macrofibers is an acceptable alternative. Floor shall be flat with no slope and no floor drains.

2. Exterior Concrete

(ADD-ALTERNATE 3): Exterior concrete to be a minimum 8" concrete. Concrete mix is to be minimum 4,500 psi concrete with standard 5.5%-8% air entrainment with number 5 bars set 2" above bottom of slab longitudinally and transversely spaced at 24". In lieu of rebar, 4 lb/CY synthetic macrofibers is an acceptable alternative.

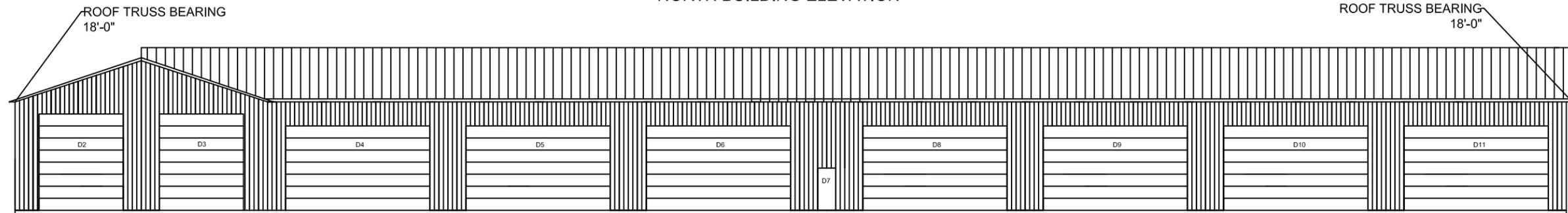
3. Pipe Bollards

(ADD-ALTERNATE 4): 6" diameter standard strength steel pipe columns with grout fill, painted yellow, 42" above ground and minimum 42" below ground shall be provided on the inside and outside of each overhead door frame.

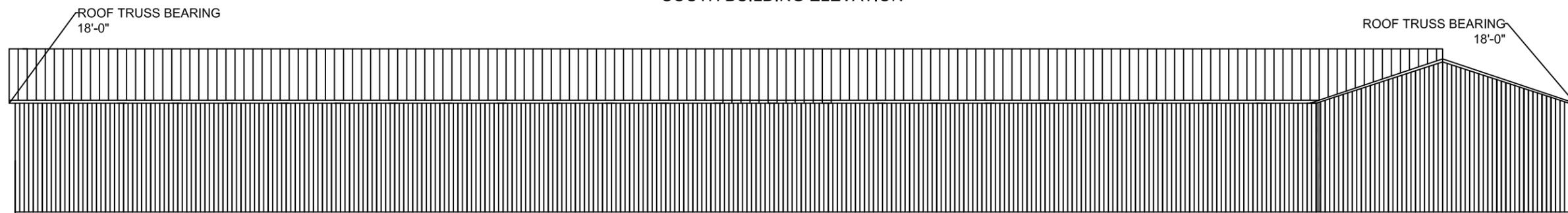
Warranties:

For a period of one year after completion of construction of the building, to repair or replace any other building parts that prove to be defective in material or workmanship.

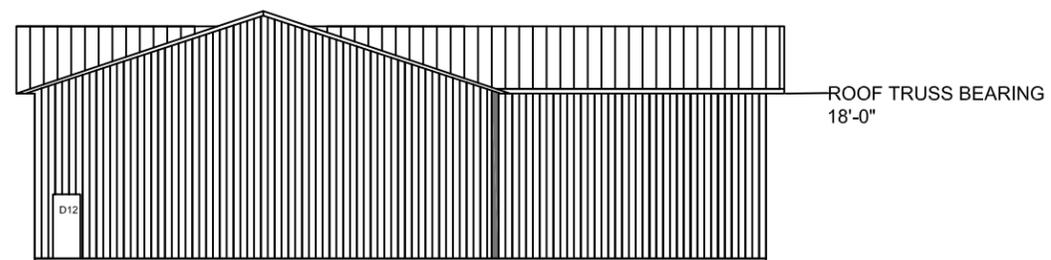
NORTH BUILDING ELEVATION



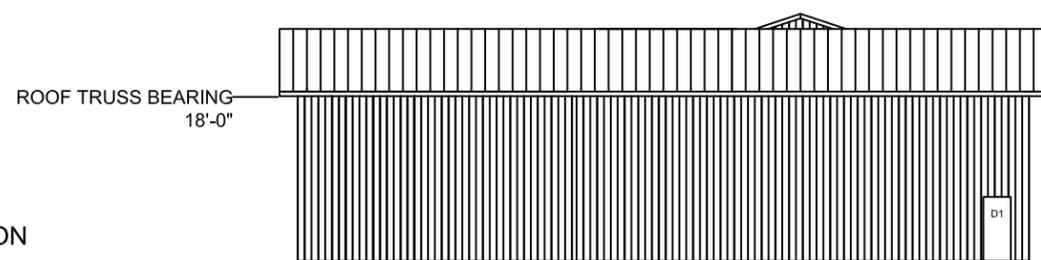
SOUTH BUILDING ELEVATION



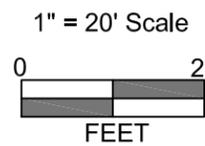
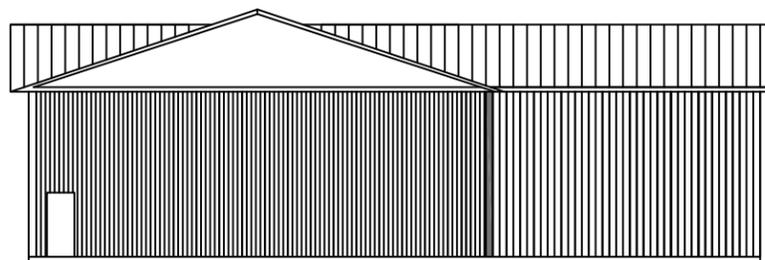
WEST BUILDING ELEVATION



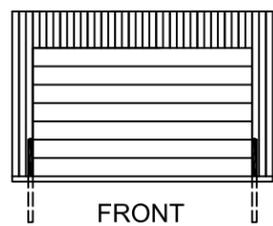
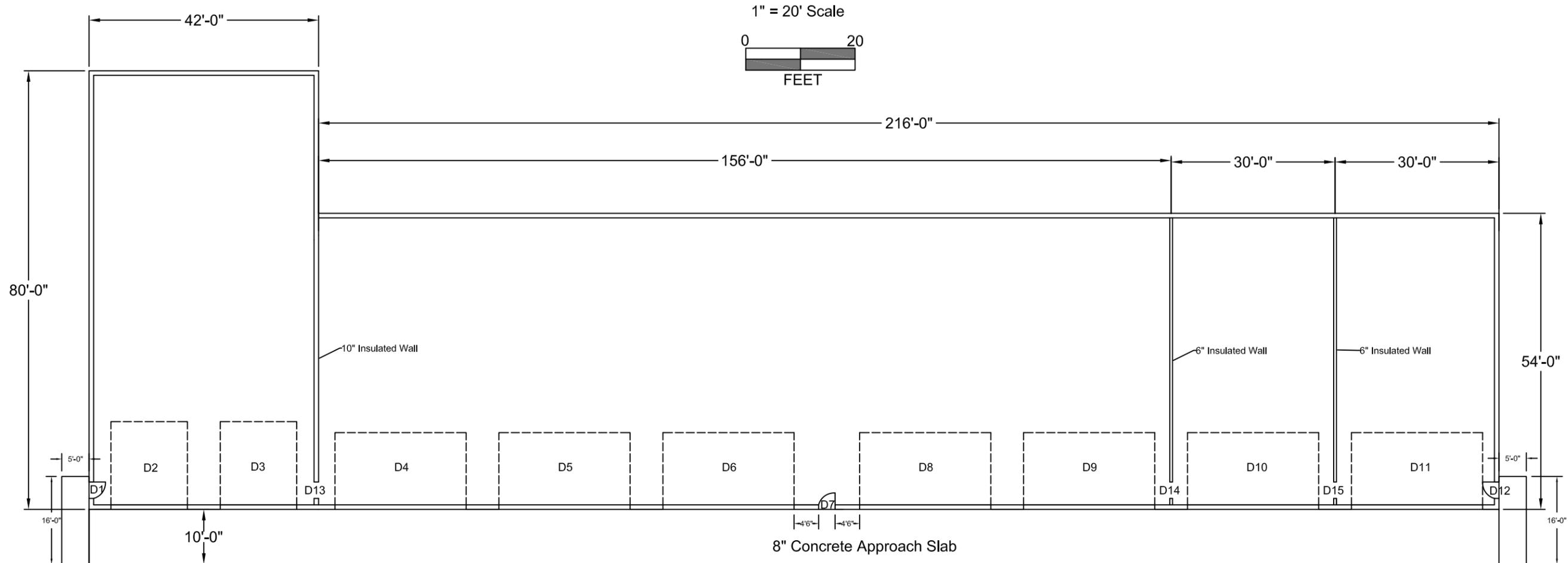
EAST BUILDING ELEVATION



INTERIOR WALL ELEVATION



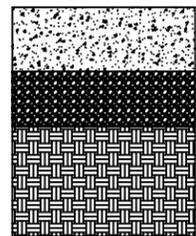
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BOLLARD PLACEMENT



CONCRETE FLOOR/APPROACH DETAIL



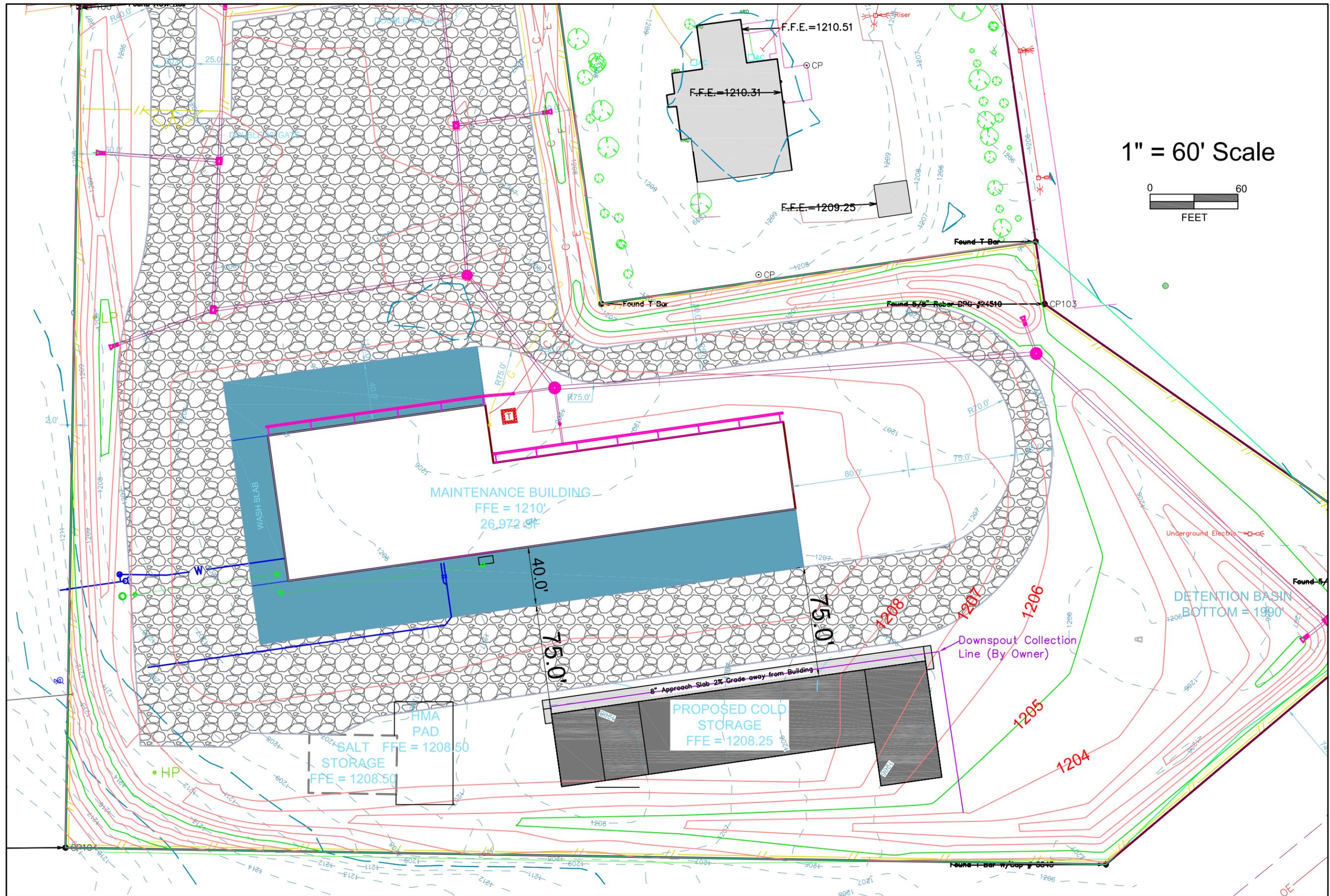
7" Concrete Floor or 7" Modified Subbase / 8" Approach Slab

6" Stone Base (By Owner)

12" Compacted Subgrade (By Owner)

Door Opening Schedule			
No.	Size	Type	Notes
D1	3'-0"X6'8"	Walk	
D2	14'-0"X16'-0"	Overhead	
D3	14'-0"X16'-0"	Overhead	
D4	24'-0"X14'-0"	Overhead	
D5	24'-0"X14'-0"	Overhead	
D6	24'-0"X14'-0"	Overhead	
D7	3'-0"X6'8"	Walk	
D8	24'-0"X14'-0"	Overhead	
D9	24'-0"X14'-0"	Overhead	
D10	24'-0"X14'-0"	Overhead	
D11	24'-0"X14'-0"	Overhead	
D12	3'-0"X6'8"	Walk	
D13	3'-2"X6'-10.5"	None	Rough Opening
D14	3'-2"X6'-10.5"	None	Rough Opening
D15	3'-2"X6'-10.5"	None	Rough Opening

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1" = 60' Scale

