



**JOHNSON FORK, BAUGESS DRIVE, FLORIDA
STREET WATER BOOSTER STATION Project**

City Of Ashland, Kentucky

Addendum Number 1

Issued: November 01, 2024

SECTION 00910

**ADDENDUM NO. 1
CONTRACT 712-21-01
JOHNSON FORK, BAUGESS DRIVE, FLORIDA STREET WATER BOOSTER STATION
DESIGN - CONTRACT 1
CITY OF ASHLAND
ASHLAND, KENTUCKY**

November 01, 2024

The attention of contractors bidding the titled contract is called to the following additions, substitutions, or deletions to the Drawings and /or Specifications.

A. SPECIFICATIONS

1. Section 00080 - BID FORM - Replace existing bid form with new bid form included in this Addendum No. 1 (Pages 1 through 7)

- a. Bid Form page 3 of 7, Item No. 14 Automatic Flushing Hydrant System, replace the Estimated Quantity number "5" with "2".
- b. Bid Form page 3 of 7, Item No. 15, replace the Item Description with "3/4" Water Service Complete (Including Setter, Pressure Reducing Valves, Box, Lids, Connections)".

2. Section 02830 - FENCING

- a. Article 2.02.B. through H. on pages 02830-4 & 02830-5 replace paragraphs B. through H. with the following:
"B. Swing frames shall be 2 inches outside diameter galvanized seamless steel pipe weighing 2.72 lbs per foot, corners fitted with rigid watertight heavy malleable iron castings or electrically welded joints. Internal bracing shall be of 1-5/8 inch outside diameter galvanized seamless steel pipe weighing 2.27 lbs per foot.

C. WT-40 pipe, as manufactured by Wheatland Tube Company, or equal, may be substituted for Schedule 40 pipe. The WT-40 pipe sizes may be less than the Schedule 40 sizes but shall have greater strength.

D. Fabric - See Article 2.01.F this Section.

E. Gate hinges shall be double clamping offset type allowing gates to swing back parallel with line of fence. They shall be of malleable iron and forged steel heavily galvanized.

F. Gate latches shall be of the eccentric double locking type which engage the strikes securely bolted to either gate frame or gate post at both the top and bottom. In the case of double gates, latches shall also engage a heavy malleable iron non-freezing gate stop anchored in concrete footing. Latches shall be equipped for locking with padlock.

G. Gate keepers shall be furnished with each gate frame to automatically engage gate frame when swung to open position. Barbed wire shall be 3 strands each of two No. 12-1/2 gauge twisted copper bearing steel line wires, hot dipped aluminum per ASTM A 585-81 for Class II coating. The weight of the coating shall be 0.30 oz per square foot of surface area. The barbs shall be No. 14 gauge aluminum 4-point barbs, spaced not more than 4 inches apart.

H. Gate Posts

1. The posts shall be in conformance with the "Gate Post Schedule" and shall be capped with a heavy malleable iron top, of bullet type construction to exclude moisture. Gate posts shall be coated inside and outside with hot galvanized at a rate of 2.0 oz per square foot of surface area. Posts will extend high enough to allow attachment of barbed wire by 3 tension bands equally spaced to give a uniform appearance.

2. Gate Post Schedule

<u>Single Gates</u>	<u>Double Gates</u>	<u>Schedule 40</u>
Up thru 5'	Up thru 10'	3" O.D.
Over 5' thru 8'	Over 10' thru 16'	4" O.D.
Over 8' thru 12'	Over 16' thru 24'	6 5/8" O.D.
Over 12' thru 18'	Over 24' thru 36'	8 5/8" O.D.

3. WT-40 pipe, as manufactured by Wheatland Tube Company, or equal, may be substituted for Schedule 40 pipe. The WT-40 pipe sizes may be less than the Schedule 40 sizes but shall have greater strength.

3. Section 13400 - FACTORY-BUILT BOOSTER PUMP SYSTEM

- a. Article 1.01.A. on page 13400-1 should read "The CONTRACTOR shall furnish and install 3 above-ground water booster pump stations complete with factory-built prefabricated pump skid systems with all necessary internal piping, valves, fittings, supports, pumps, motors, controls, instrumentation, and other necessary appurtenances as shown on the plans and specified herein."
- b. Article 2.01.D. on page 13400-6 should read "All parts of the pumps that are in contact with the water being pumped shall be certified to meet the current NSF 61 Annex G requirements with regard to being lead free."

B. DRAWINGS

1. Drawing Sheet 03 - FLORIDA STREET ENLARGED SITE PLAN

- a. Replace this sheet with Attachment No. 1

2. Drawing Sheet 05 - BAUGESS DRIVE ENLARGED SITE PLAN

- a. Replace this entire sheet with Attachment No. 2

3. Drawing Sheet 06 - JOHNSON FORK ENLARGED SITE PLAN

- a. Replace this entire sheet with Attachment No. 3

4. Drawing Sheet 13 - PRV AND SERVICE LINE INSTALLATION JOHNSON FORK ROAD TO CANNONSBURG ROAD

- a. Add an Automatic Flushing Hydrant System assembly to the existing water line in the vicinity of Johnson Fork Road and Cannonsburg Road. Coordinate preferred location with Owner prior to installation.

5. **Drawing Sheet 16 - PRV AND SERVICE LINE INSTALLATION EADS ROAD**
 - a. Add an Automatic Flushing Hydrant System assembly to the existing water line at the end of the line along Eads Road. Coordinate preferred location with Owner prior to installation.
6. **Drawing Sheet 23 - BOOSTER PUMP STATION MISCELLANEOUS DETAILS**
 - a. Replace this entire sheet with Attachment No. 4
7. **Drawing Sheets 20-22 - CHLORINE ANALYZERS**
 - a. General additional detail - All three stations call for a chlorine analyzer. The 2.5" meter port on the effluent side of the pump skid will be used as a sample port. The analyzer units shall be wall mounted and placed wherever is convenient with access to both the port and the drain line located within 10-ft.
8. **Drawing Sheet 28 - GENERAL STRUCTURAL NOTES**
 - a. Specifications for Wood Trusses are located in the drawings on sheet 28 of 28 under the notes heading "Components to Be Designed by Others - 1.) Wood Trusses, Sheathing, and Walls".

Attachments:

Attachment 1 - Drawing Sheet 03 - FLORIDA STREET ENLARGED SITE PLAN

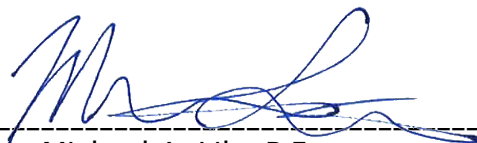
Attachment 2 - Drawing Sheet 05 - BAUGESS DRIVE ENLARGED SITE PLAN

Attachment 3 - Drawing Sheet 06 - JOHNSON FORK ENLARGED SITE PLAN

Attachment 4 - Drawing Sheet 23 - BOOSTER PUMP STATION MISCELLANEOUS DETAILS

BELL ENGINEERING
2480 Fortune Drive, Suite 350
Lexington, Kentucky 40509

By: _____



Michael A. Lile, P.E.
Project Engineer

SECTION 00080 (Addendum No. 1)

JOHNSON FORK, BAUGESS DRIVE, FLORIDA STREET WATER BOOSTER STATION DESIGN - CONTRACT 1

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to: **City of Ashland, 1700 Greenup Avenue, Ashland, KY 41101.**
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security (**10 Percent of Total Bid Amount**);
 - B. Statement of Bidder's Qualifications with supporting data;
 - C. Non-Collusion Affidavit of Prime Bidder;
 - D. Statement of Compliance with Non-Discrimination Regulations;
 - E. Statement of Responsibility for Damage, Claims, Etc.;
 - F. Evidence of authority to do business in the City of Ashland (Business License); or a written covenant to obtain such authority within the time for award of contract (Application for Business Privilege and Occupational License Fee form completed);

ARTICLE 3—BASIS OF BID—UNIT PRICE BID

- 3.01 *Unit Price Bids*
- A. Comparison of Bids will be based on the total amount of the Bid submitted.
 - B. Bidder will complete the Work in accordance with the Contract Documents for the following unit prices for measured in-place quantities:

1. Unit Prices

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Total Cost
1	PRECONSTRUCTION VIDEO	1	LUMP		
2	MOBILIZATION AND PROJECT REQUIREMENTS	1	LUMP		
3	EROSION AND WATER POLLUTION CONTROL	1	LUMP		
4	CLEARING AND RESTORATION (INCLUDING REMOVAL AND REINSTALLATION OF TREES, SHRUBS, LANDSCAPING, SIGNS, MAILBOXES, FENCING, OR OTHER APPURTENANCES)	1	LUMP		
5	CONSTRUCTION OF ONE 40 GPM BOOSTER PUMP STATION AT JOHNSON FORK	1	LUMP		
6	CONSTRUCTION OF ONE 22 GPM BOOSTER PUMP STATION AT BAUGESS DRIVE	1	LUMP		
7	CONSTRUCTION OF ONE 22 GPM BOOSTER PUMP STATION AT FLORIDA STREET	1	LUMP		
8	6" C900 DR 14 PVC WATERLINE (INCLUDING EXCAVATION, BEDDING, BACKFILL, FITTINGS, LOCATOR WIRE, LOCATOR TAPE, JOINT RESTRAINTS)	5	FEET		
9	6" CL 350 DIMJ WATERLINE (INCLUDING EXCAVATION, BEDDING, BACKFILL, FITTINGS, LOCATOR WIRE, LOCATOR TAPE, JOINT RESTRAINTS)	405	FEET		
10	TIE-INTO EXISTING 6" WATERLINE (INCLUDING NECESSARY EXCAVATION, FITTINGS, PIPE SLEEVES, BACKFILL, ETC.)	6	EACH		

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Total Cost
11	6" GATE VALVE AND VALVE BOX COMPLETE	10	EACH		
12	DEMOLITION OF ABANDONNED SEWAGE PUMPING STATION AT FLORIDA STREET	1	EACH		
13	ABANDONMENT OF EXISTING PIT-TYPE BOOSTER PUMP STATIONS	2	EACH		
14	AUTOMATIC FLUSHING HYDRANT SYSTEM	2	EACH		
15	3/4" WATER SERVICE COMPLETE (INCLUDING SETTER, PRESSURE REDUCING VALVES, BOX, LID, CONNECTIONS)	99	EACH		
16	3 /4" HDPE DR9 SERVICE LINE (INCLUDING EXCAVATION, BEDDING, BACKFILL, FITTINGS, LOCATOR WIRE, LOCATOR TAPE)	3,005	FEET		
17	ASPHALT SURFACE RESTORATION	800	SY		
18	CONCRETE SURFACE RESTORATION	140	SY		
19	STIPULATED OWNER ALLOWANCE (Included in all Bids)	1	ALLOW	\$75,000.00	\$75,000.00
20	MAINTENANCE OF TRAFFIC AND SIGNAGE	1	LUMP		
21	GENERAL CONDITIONS, BONDS AND INSURANCE	1	LUMP		
TOTAL AMOUNT OF BID IN NUMBERS:					
TOTAL AMOUNT OF BID IN WORDS:					

C. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 4—TIME OF COMPLETION

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

5.01 *Bid Acceptance Period*

- A. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

- A. Bidder hereby acknowledges receipt of the following Addenda: **[Bidder is to complete table]**

Addendum Number	Addendum Date

ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

6.01 *Bidder's Representations*

- A. In submitting this Bid, Bidder represents the following:
1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.

4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site, if any, that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

- A. The Bidder certifies the following:
 1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
 2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
 3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
 4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:

- a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
- b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
- c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
- d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

Address for giving notices:

Bidder's Contact:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

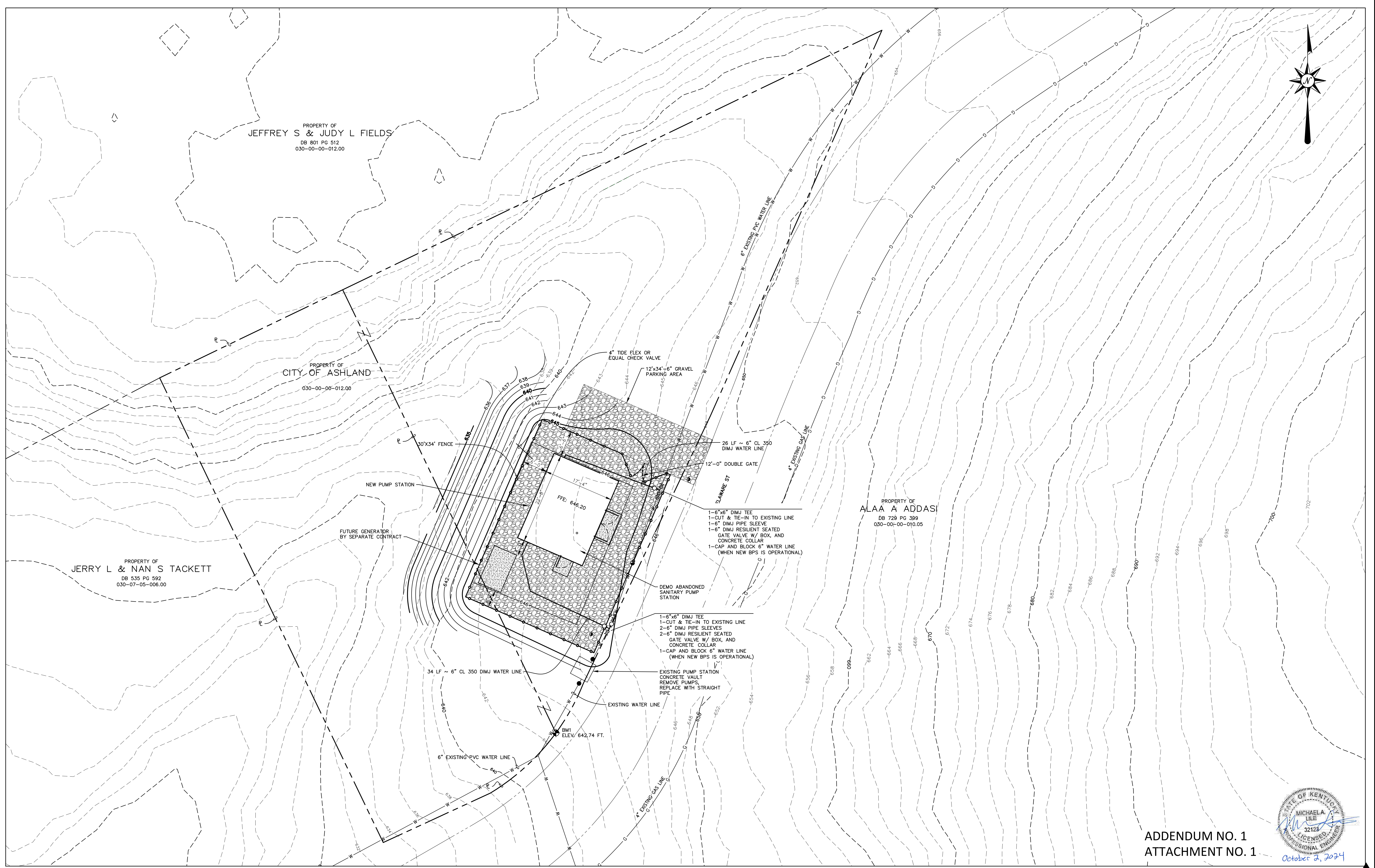
Phone: _____

Email: _____

Address: _____

Bidder's Contractor License No.: (if applicable) _____

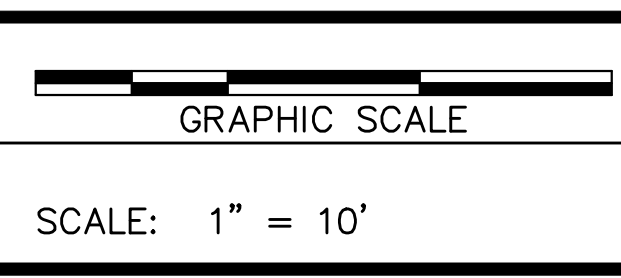
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ADDENDUM NO. 1
ATTACHMENT NO. 1



DESIGNER	DEG	DATE	BY	REVISION
DRAWN	TEW	10/29/24	BHS	ADDENDA NO. 1
CHECKED	BHS			
APPROVED	DFS			



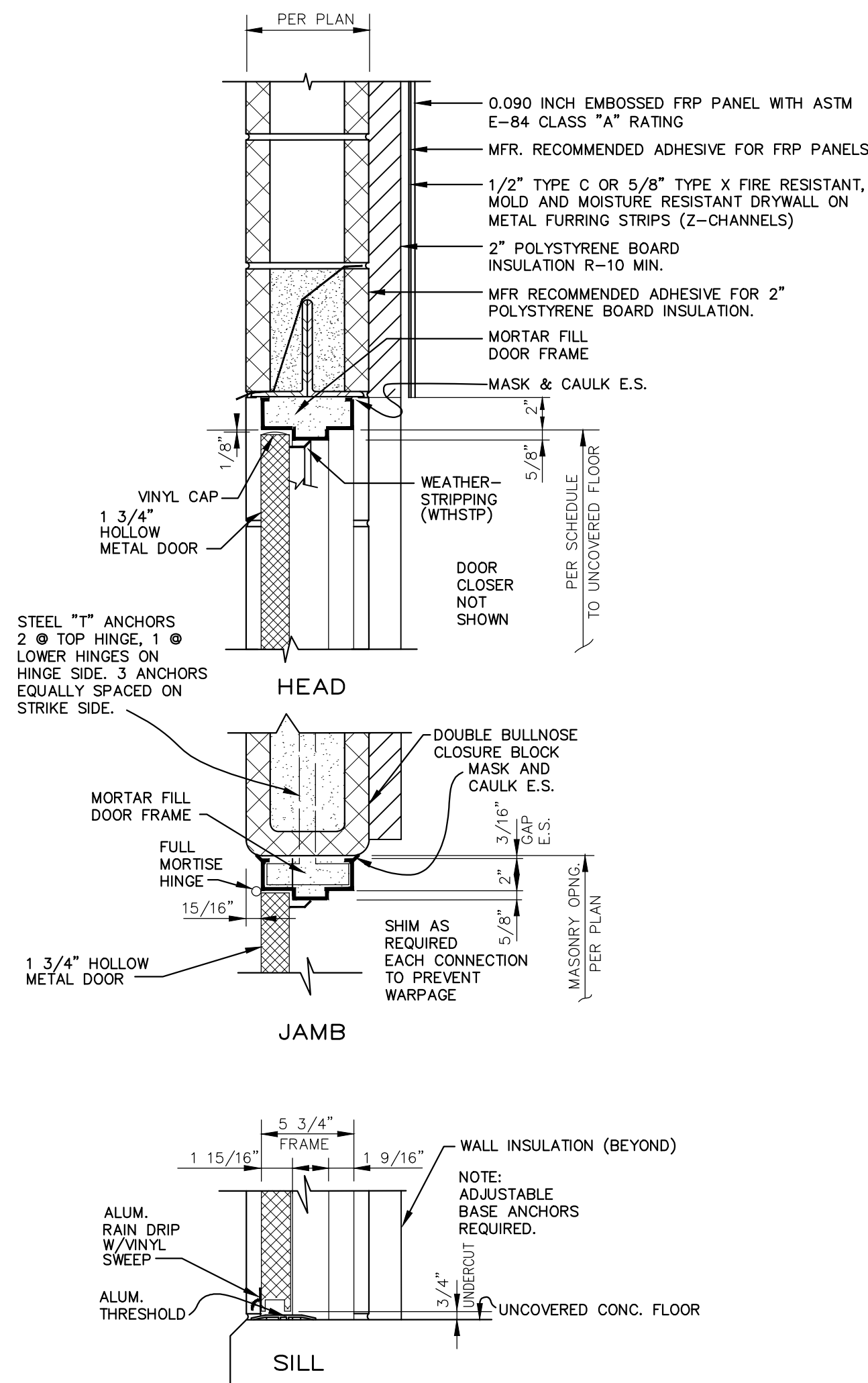
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 THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING. FACSIMILES OF LICENSED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR SEALS, IF AFFIXED TO THIS DOCUMENT, SHALL BE CONSIDERED LEGITIMATE ONLY IF SIGNED AND DATED BY THE REGISTRANT.

Lexington, KY (859) 278-5412
 Hopkinsville, KY (270) 886-5466
 Somerset, KY (606) 485-4011

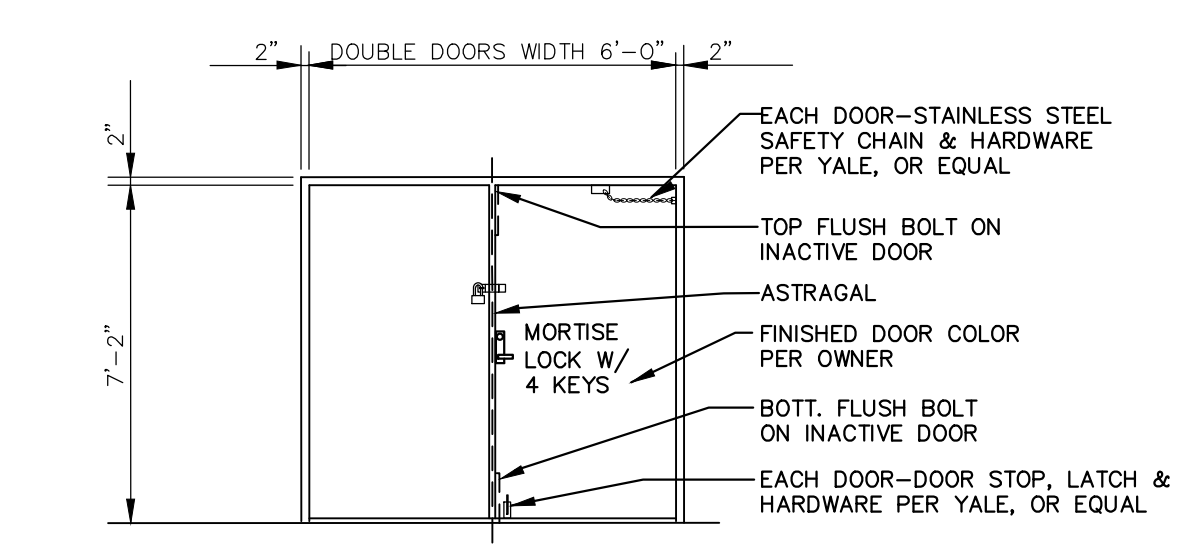
JOHNSON FORK, BAUGESS DRIVE, FLORIDA STREET, WATER BOOSTER STATION DESIGN CITY OF ASHLAND

FLORIDA STREET ENLARGED SITE PLAN

DIVISION	-
CONTRACT NO.	712-21-01
DATE	JULY 2023
SHEET NO.	03 OF 28



HOLLOW METAL DOOR EXTERIOR DOOR SETTING IN 8" MASONRY WALL
SCALE: 1 1/2" = 1'-0"

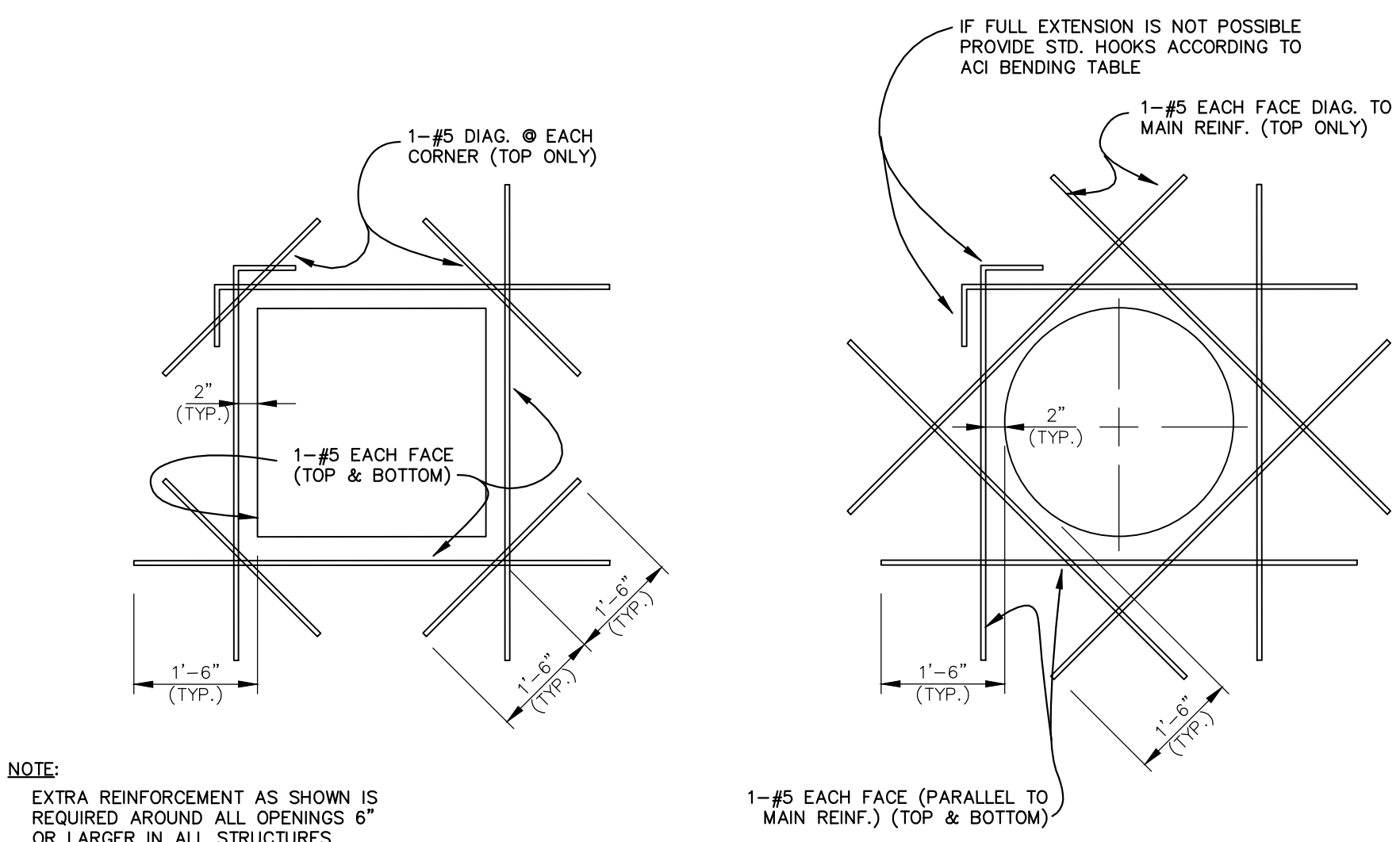


TYPE F DOUBLE DOORS (PR. DR.) W/FRAME ELEVATION

DOOR FRAME AND HARDWARE SPECIFICATIONS:
DOOR SHALL BE HOLLOW METAL, RESISTANCE TO HIGH IMPACT, HIGH FREQUENCY USE, CORROSION AND HEAT TRANSMISSION ARE THE GOVERNING FACTORS REQUIRING THE DOOR TO MEET DURABILITY STANDARDS OF THE STEEL DOOR INSTITUTE (SDI) STANDARD DATA SERIES ANSI/SDI A250.8 CLASSIFICATION TYPE III, EXTRA HEAVY DUTY OR NAAMM STANDARD CHEM-1-74. DOOR SHALL HAVE PASSED AND SHALL MEET THE REQUIREMENTS OF ANSI STANDARD A250.4, TWIST TEST AND 1 MILLION CYCLE SWING TEST.

ACCEPTABLE MFR. PRODUCTS DESIGNATING THE QUALITY, TYPE, FUNCTION AND ETC.
6'-0" x 7'-2" RHR & LHR ACTIVE
CECO 1 3/4" IMPERIAL MAXIM (U), 14 GAUGE HOT DIP GALV. STL.
ASTM A324 AND A553, U FACTOR 0.067, R FACTOR 11.01
YALE - MORTISE - MONROE MOSE - (FO4) - SL8807TL - US 32D
W/ 4 KEYS & ARE KEYPED PER OWNERS REQUEST
HAGER - MORTISE - BB1199 - 4 1/2" x 4 1/2" - US32D
NAT. GUARD PROD. - 8424 - ALUMINUM
IVES - 115 - 25 1/2" LGTH. THRU BOLT FASTENING
IVES - 458 - US26D
FURNISHED BY DOOR MANUFACTURER
NAT. GUARD PROD. - 101AV - ANO. ALUM.
NAT. GUARD PROD. - 110NA - ANO. ALUM. (HEAD & JAMB)
NAT. GUARD PROD. - 600 ANO. ALUM. & NYLON
DETEX SERIES 30 - CYLINDER DOGGING

DOUBLE DOOR AND FRAME
ENTRANCE LOCKSET
HINGE BUTTS
THRESHOLD
CRASH STOP
FLUSH BOLT (TOP & BOTTOM)
STEEL ASTRAGAL
RAIN DRIP
WEATHER-STRIPPING
SWEEP
MORTISE LOCK EXIT DEVICE

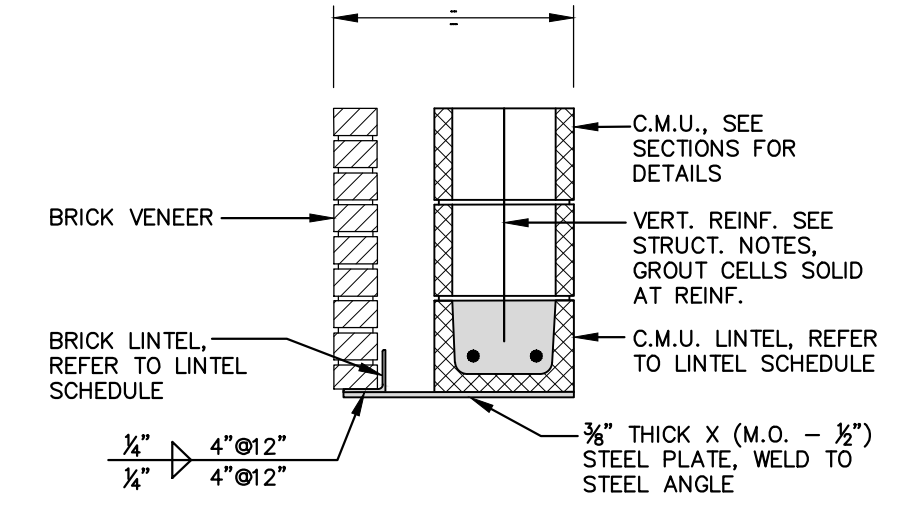


TYPICAL REINFORCEMENT AROUND OPENINGS IN WALLS & FLOORS
NOT TO SCALE

LINTEL SCHEDULE		
Nominal Masonry Size	Masonry Opening (M.O.) Width	
8" CMU	>8" to 4'-0"	>4'-0" to 7'-4"
	8"X8" HIGH LINTEL W/ (1) #5	8"X16" HIGH LINTEL W/ (1) #5

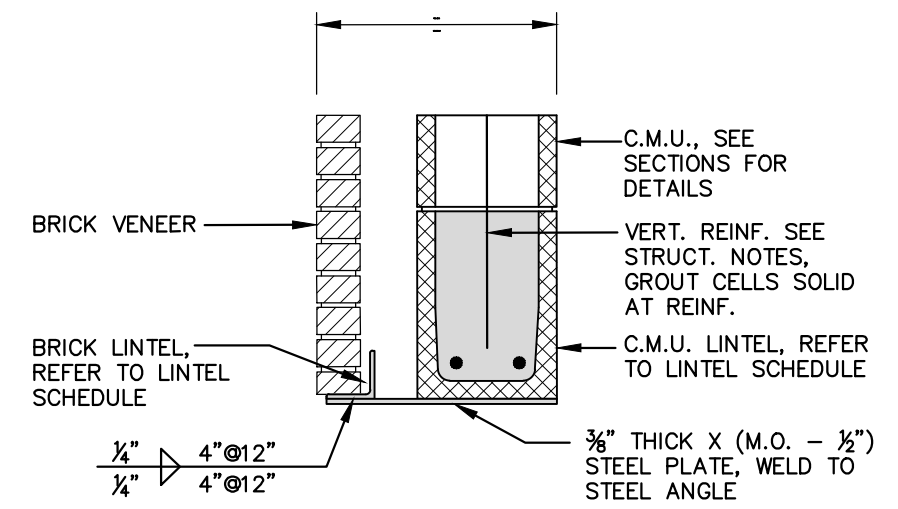
BRICK LINTEL SCHEDULE		
Nominal Masonry Size	Masonry Opening (M.O.) Width	
8" CMU	>8" to 2'-0"	>2'-0" to 4'-0"
	L 3 1/2"X3 1/2"X14" LLV	L 6"X3 1/2"X38" LLV

- ALL STEEL LINTELS SHALL HAVE MIN. 8" BEARING AT EACH END. PROVIDE FULL HEIGHT FILL CELL AT END BEARING W/ 1-#5 BAR, TYP.
- PROVIDE LINTEL BLOCKS FOR LINTELS.
- MASONRY LINTELS SHALL BE AS SPECIFIED, FILLED MONOLITHICALLY WITH GROUT. STEEL REINFORCEMENT SHALL BE PLACED AT BOTTOM OF LINTEL BLOCK WITH 2" MIN. COVER, AS SHOWN, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS TO PROVIDE LINTELS FOR OPENINGS NOT SHOWN.



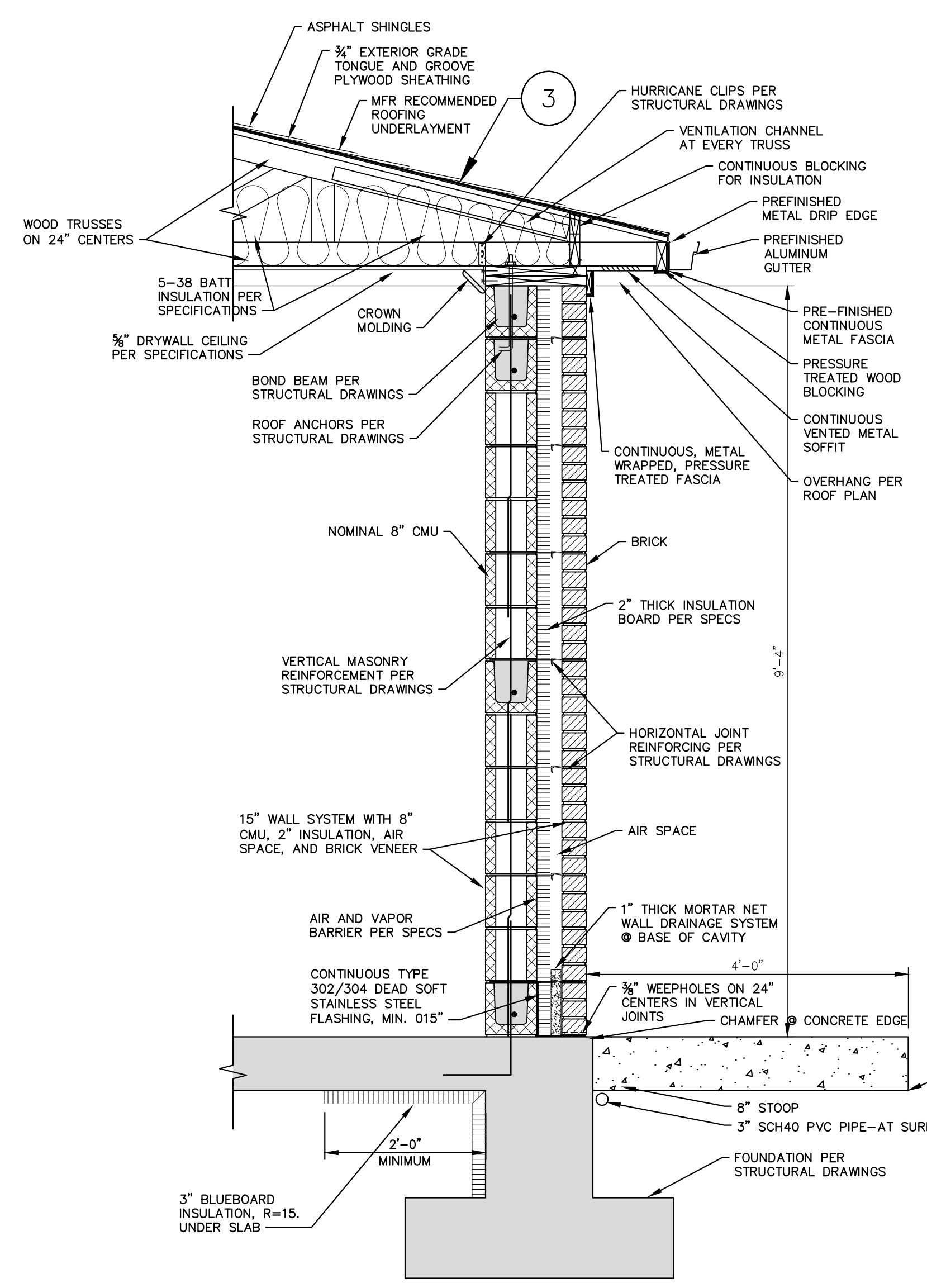
L-1 LINTEL

NOTE: SEE ARCHITECTURAL DRAWINGS FOR CAVITY INSULATION, FLASHING, WEEPS, DOORS, DOOR FRAMES, ETC.

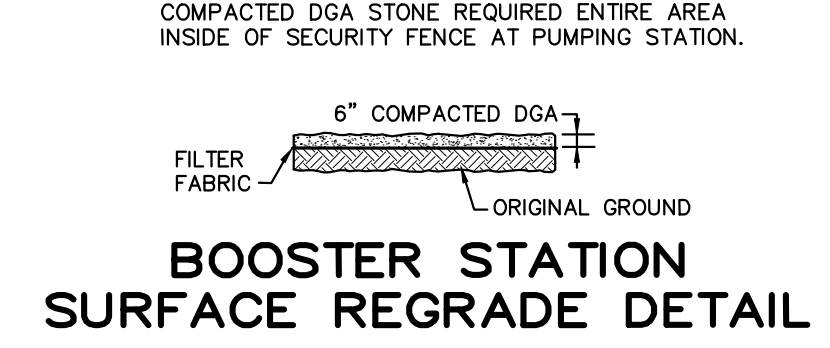


L-2 LINTEL

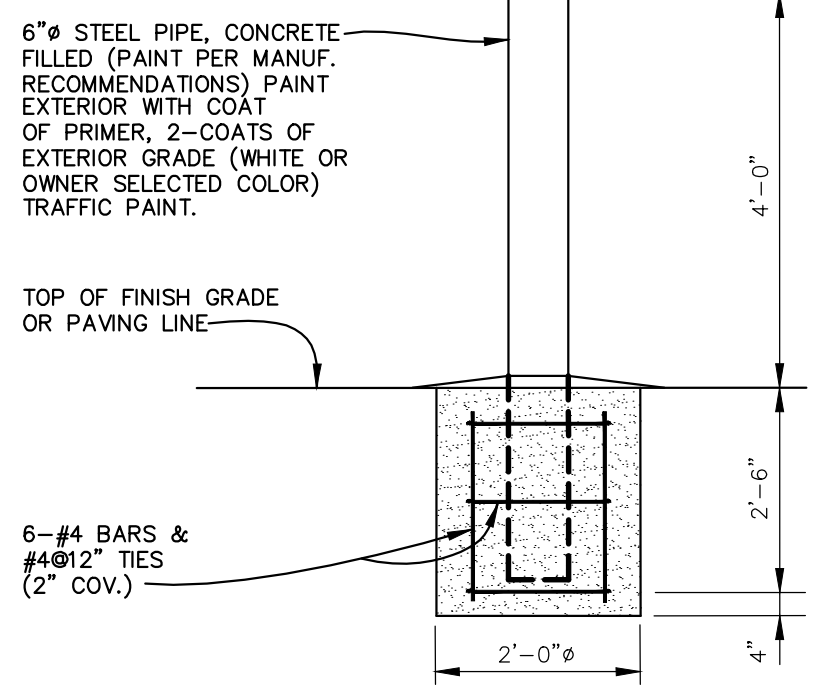
NOTE: SEE ARCHITECTURAL DRAWINGS FOR CAVITY INSULATION, FLASHING, WEEPS, DOORS, DOOR FRAMES, ETC.



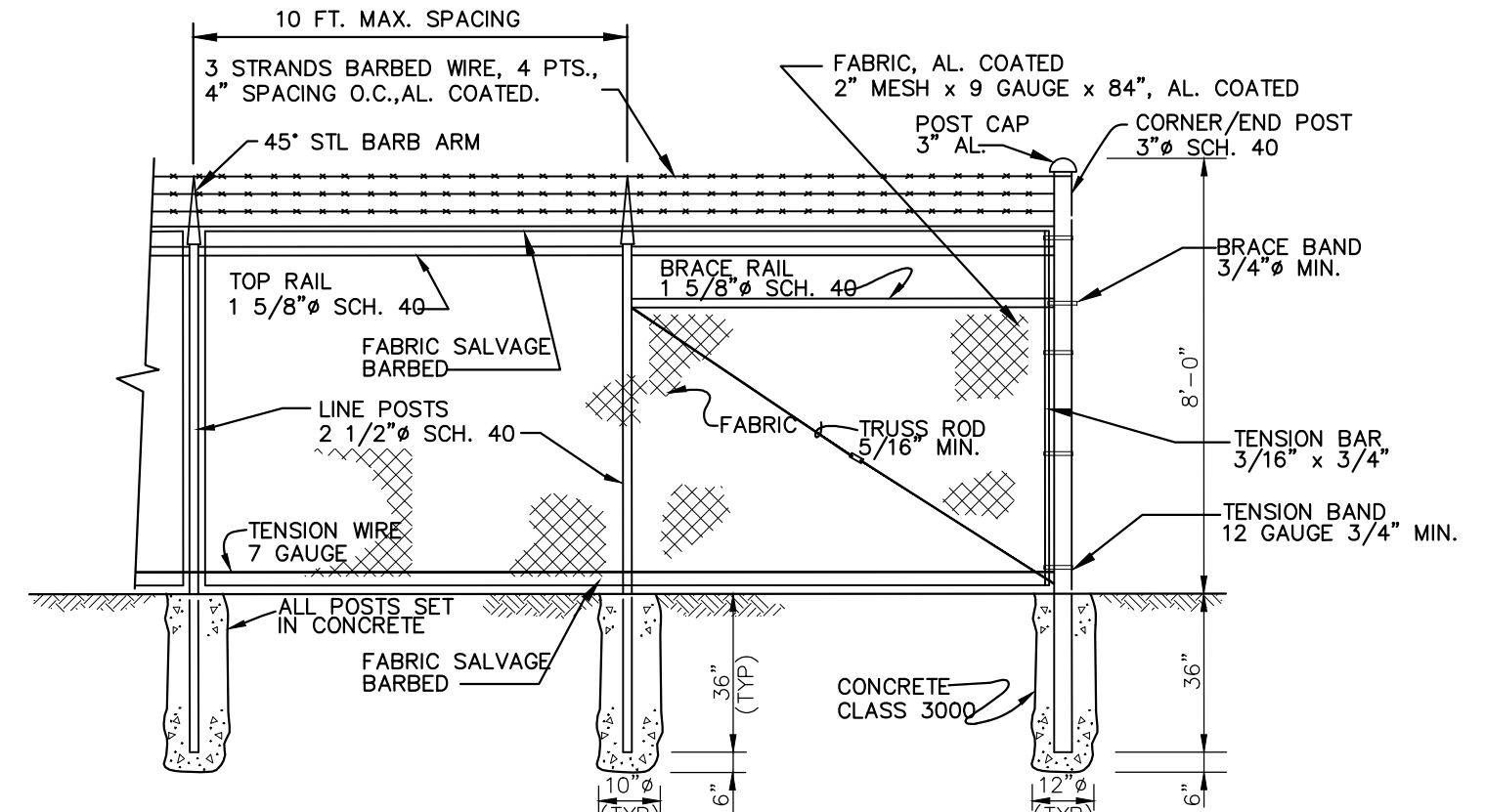
TYPICAL WALL SECTION
SCALE: 3/8" = 1'-0"



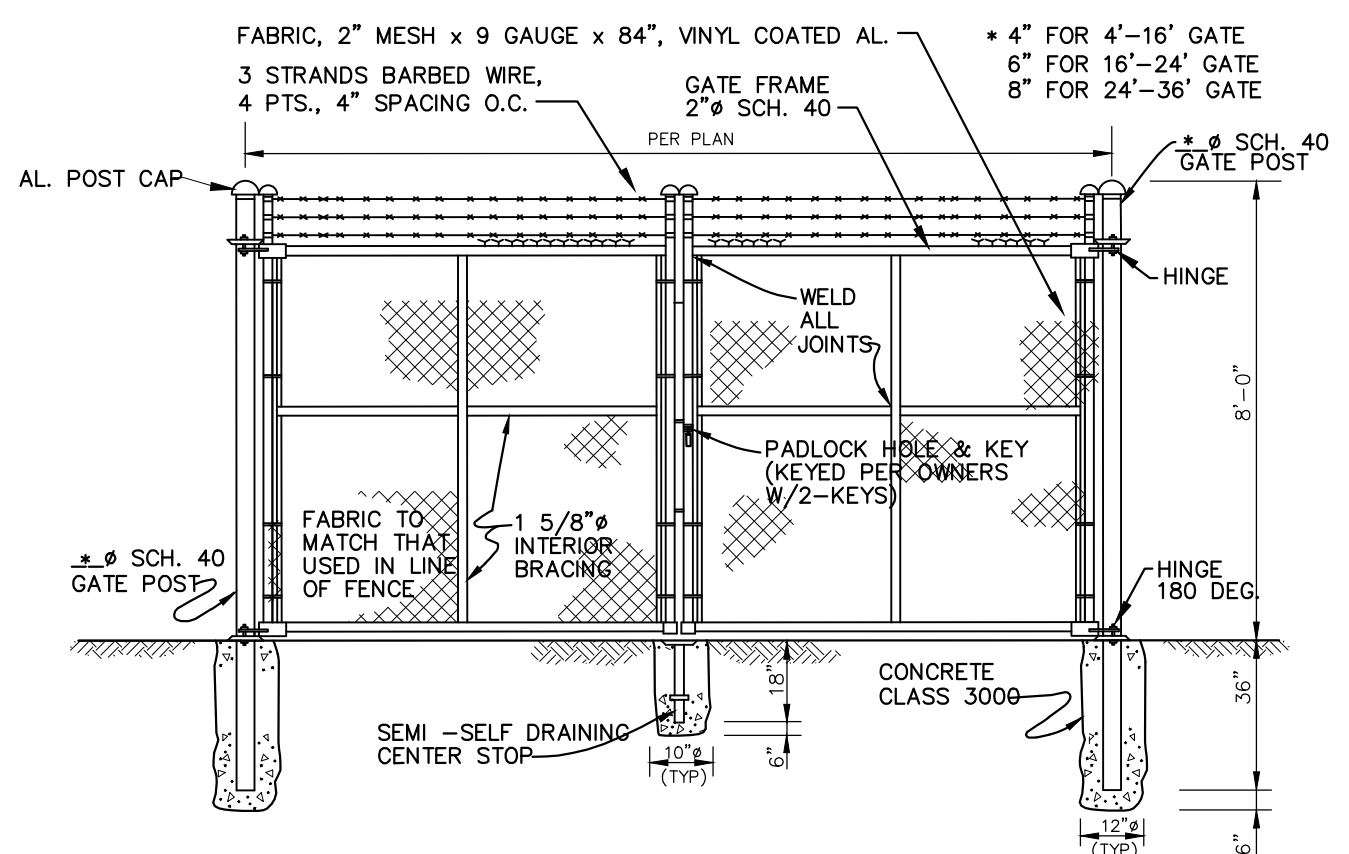
BOOSTER STATION SURFACE REGRADE DETAIL



GUARD POST DETAIL
NOT TO SCALE (SEE PLAN VIEW)



DETAIL - SECURITY FENCE
NOT TO SCALE



DETAIL - 12'-0" DOUBLE GATE
NOT TO SCALE

MINIMUM NAILING SCHEDULE

- ALL NAILS SHALL BE COMMON WIRE NAILS. WHERE NAILS TEND TO SPLIT THE WOOD, HOLES SHALL BE SUBDRILLED. UNLESS OTHERWISE NOTED NAILING SHALL NOT BE LESS THAN THE FOLLOWING:
- JOISTS TO BEARING - TOE NAIL EA. SIDE 2 - 16d
 - DOUBLE JOISTS: NOT BLOCKED APART - STAGGERED 16d @ 16"
 - BLOCKED APART - EA. BLOCK, EA. SIDE 2 - 16d
 - BLOCKING BETWEEN JOISTS: TO BEARING - TOE NAIL EA. SIDE 2 - 16d
 - TO JOIST 10" IN DEPTH AND GREATER: THRU NAIL, ONE END 3 - 20d
 - TO NAIL EA. SIDE, OPP. END 3 - 16d
 - TO JOIST 8" IN DEPTH AND LESS: THRU NAIL, ONE END 2 - 16d
 - TO NAIL EA. SIDE, OPP. END 2 - 16d
 - BRIDGING TO JOISTS - TOE NAIL EA. END 2 - 8d
 - STUDS TO BEARING - TOE NAIL EA. SIDE 2 - 16d
 - MULTIPLE STUDS: CORNER STUDS AND ANGLES 16d @ 12" O.C.
 - DOUBLE TOP PLATE: LOWER PLATE TO TOP OF STUD 3 - 16d
 - UPPER PLATE TO LOWER PLATE - STAGGERED 16d @ 18" O.C.
 - UPPER PLATE TO LOWER PLATE AT INTERSECTION 3 - 16d
 - PLATE TO JOIST OR BEARING 16d @ 16" O.C.
 - 3/8" PLYWOOD SHEATHING: 8d @ 6" O.C. @ PANEL EDGES (HORIZONTAL OR VERTICAL) 8d @ 12" O.C. @ INTER. SUPPORTS
 - 1/2", 5/8", OR 3/4" PLYWOOD SHEATHING: 10d @ 6" O.C. @ PANEL EDGES 10d @ 12" O.C. @ INTERMEDIATE SUPPORTS
 - 1/4" PLYWOOD FOR SUB-FLOOR: 4d @ 4" O.C. @ PANEL EDGES 4d @ 8" O.C. @ INTERMEDIATE SUPPORTS
 - FURRED CEILING: 2 x 2 HANGERS TO ROOF OR CEILING JOINTS 2 - 12d
 - 1 x 4 FURRING STRIPS TO UNDERSIDE OF JOIST EA. BEARING, ON STRAIGHT & ONE SLANT 2 - 8d

GENERAL NOTES FOR ROOF CONSTRUCTION:

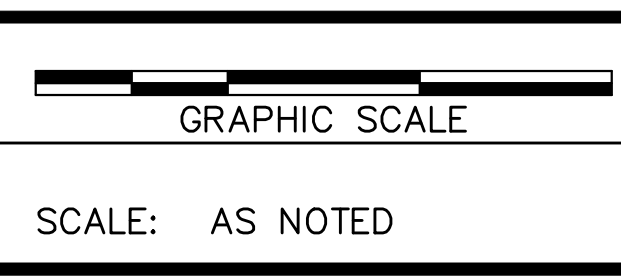
- THE ROOF SHALL BE THE GABLE ROOF TYPE. TRUSSES SHALL BE PITCHED TYPE WITH 4:1 SLOPE (3" IN 12"). RAFTERS SHALL BE NOTCHED AT THE NAILER PLATE AND TONAILED WITH TWO 10d NAILS EACH SIDE.
- PROVIDE PARTIAL HEIGHT BLOCKING AT NAILER PLATE BETWEEN CEILING JOISTS TO RETAIN INSULATION. INSULATION SHALL BE R-30.
- CONTINUOUS 0.025 INCH GAUGE WHITE ALUMINUM 4 INCH GUTTERING SHALL BE PROVIDED ON THE BUILDING. GUTTERS SHALL BE HUNG USING BRACKET TYPE HANGERS. DOWNSPOUTS SHALL BE CORRUGATED RECTANGULAR TYPE MOUNTED WITH BRACKETS. GUTTER HANGERS SHALL BE 3 FT. O.C.

ADDENDUM NO. 1 ATTACHMENT NO. 4



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DESIGNER	DEG	DATE	BY	REVISION
TEW		10/29/24	BHS	ADDENDA NO. 1
BHS				
DFS				



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JOHNSON FORK, BAUGESS DRIVE, FLORIDA STREET,
WATER BOOSTER STATION DESIGN
CITY OF ASHLAND

BOOSTER PUMP STATION
MISCELLANEOUS DETAILS

DIVISION	-
CONTRACT NO.	712-21-01
DATE	JULY 2023
SHEET NO.	23 OF 28