

Addendum Number: 02**Addendum Issue Date:** January 14, 2026**Owner:** Robinson-Palestine Water Commission**Project Name:** Water Treatment Plant and Campus**Project Number:** 0210007.00**Containing:** # Pages; # Drawings; # Specifications

*This addendum amends the drawings and specifications of the above reference project and is hereby incorporated into the contract documents as part thereof. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. **FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.***

General:

1. Product size of CPT-3 is 50 cm x 50 cm, per specifications.

Questions:

1. I see access control devices shown but there is no spec section or any details. Is this rough in only?
 - a. Contractor to provide the devices and a fully functioning system. See attached specifications.
2. Just want to confirm no Fire Alarm systems need to be included since none are shown?
 - a. No fire alarm system.
3. Can Generac be added as an approved generator manufacturer?
 - a. Generac generator must meet the specification and will be allowed as an acceptable manufacturer.
4. For communication wiring there is a detail for J hooks and also a conduit schedule for communication wiring. Are J hooks acceptable above drop ceilings and conduit to be used in exposed areas?
 - a. Yes, this is a correct understanding for communication wiring. All instrumentation and controls wiring will be in conduit.

Drawings:

1. Replace Sheet C1.1 and Sheet C2.1 with the attached sheets. Revisions are clouded in the attached drawings.
2. SHEET 01A2.1 – ~~DELETED~~ ridge vent notation at PEMB. REVISED gutter material of PEMB to metal, in lieu of aluminum.
3. SHEET 01A3.1 –
 - a. ~~DELETED~~ ridge vent notation at PEMB. REVISED gutter and downspout material of PEMB to metal, in lieu of aluminum.
 - b. ADD overall dimensions to signage elevations.

4. SHEET 02A3.1 –
 - a. REVISE dimensional letter signage callout, as shown.
 - b. ADD overall dimensions to signage elevation.
5. SHEET 01A5.1 – REVISED gutter and downspout material of PEMB to metal, in lieu of aluminum. Section 13 34 19 – Metal Building Systems – Part 2.8, C: DELETED “perforated for ventilation”.
6. SHEET 01A1.1 – REVISED keynote 10.01 to include Basis of Design 55” wall mounted television. ADDED keynote 10.02 to include Basis of Design 32” wall mounted television.
7. SHEET 02A1.1 – REVISED keynote 10.01 to include Basis of Design 55” wall mounted television.
8. SHEET 02A8.1 – ADDED details 5/02A8.1 and 6/02A8.1 to show casework and countertop information.
9. SHEET GI0.1 –
 - a. REVISE font in S-1 and S-2 product and size information, as shown.
 - b. REVISE S-3 product and size information, as shown.
10. SHEET 01I1.1 –
 - a. ADD elevation for reception signage on plan and as detail #4, as shown.
 - b. REVISE Jan. 115 detail number to #3, as shown.
11. SHEET 02I1.1 – ADD S-2 finish tag to exterior of building, as shown.
12. SHEET C1 & C2 – PROVIDED as a standalone attachment with the addendum. These sheets pertain to Rte. 1 and Rte. 33 watermain crossing. These sheets were included in the original specifications, as a permit attachment for the aforementioned crossings. The attached sheets with the addendum are a higher resolution version of the of the same sheets that were provided with the original specifications.
13. SHEET Q4.1 – REVISED detail 04 to add an isolation valve on the main line coming into the Ground Storage Tank. Vault size also increased due to the addition of the valve. Access hatch moved to sit on top of the isolation valve.
14. SHEET C5.1 TO SHEET 5.3 – ADDED details about VFD Shed for the existing wells, to be included with this contract.

Specifications:

1. C-410 Bid Form – Article 5
 - a. Replace Line K with the Following: “Requirements for Disadvantaged Business Enterprise Participation, pages 0675-1 to 0675-09;”
 - b. Replace Line L with the following: “Bidder Certification for Advertisement Regarding Subcontracting Opportunities for Disadvantaged Businesses, page 0675-5 to 0675-8;”
 - c. Remove Line O as it is a duplicate of Line D.

2. Specifications Section 46 33 00 – Liquid Chemical Feed Equipment – Part 2, Item No. 2.8 – Chemical Storage Bulk Tank – The double walled storage tank has been revised from 625 Gallons to 250 Gallons in line with our drawings which show a 250-gallon tank.

Bids are Due: No Change | local time: *No Change*

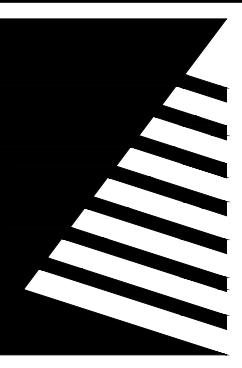
END OF ADDENDUM

Issued By: Mokammel Sanju

FARNSWORTH GROUP, INC.
Andy Hanfland
Enter Title

Attachments:

All RFI's and their answers have been included as attachment with this Addendum #2.



Farnsworth GROUP

400 WEST JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 531-1253 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

| SUE: | | |
|------|------------|------------------------|
| # | DATE: | DESCRIPTION: |
| 1 | 08/18/2021 | BASIS OF DESIGN REVIEW |
| 2 | 10/21/2021 | SITE UPDATE |
| 3 | 01/05/2026 | ADDENDUM #2 |

BID SET

PROJECT:
**Robinson-Palestine Water
Commission**

Water Treatment Plant and Campus

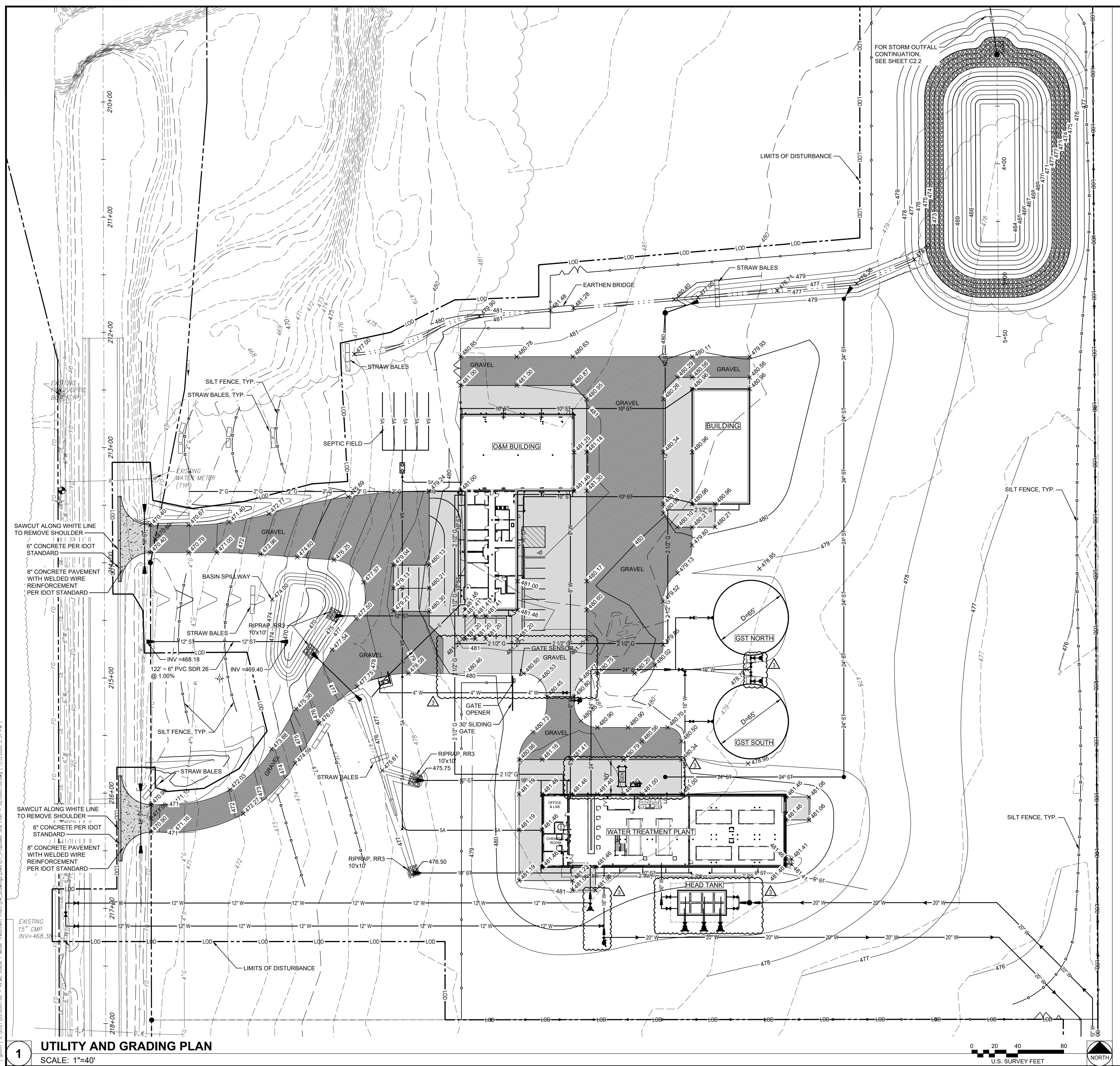
0711 N. State Highway 1
Robinson, IL 62454

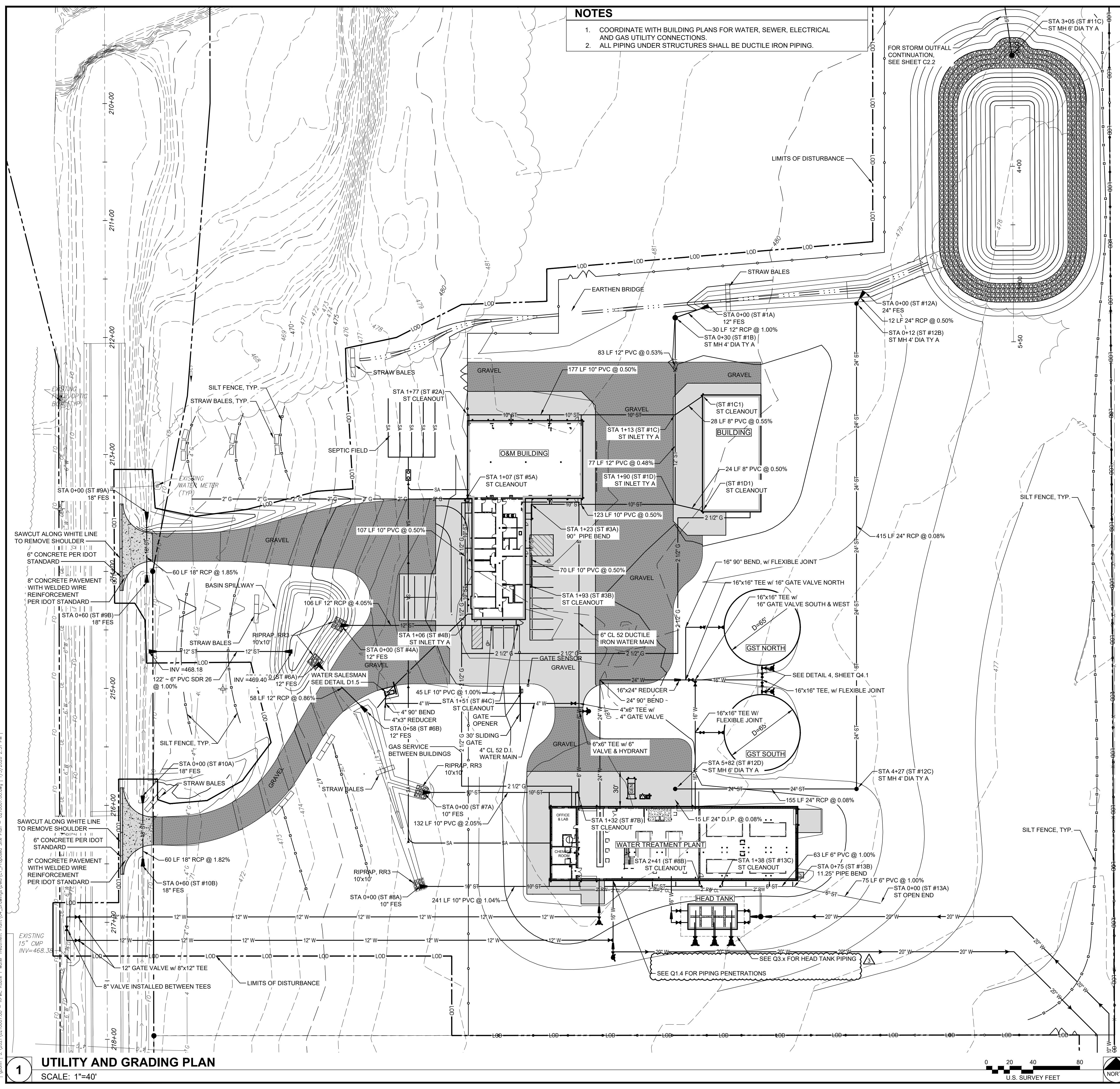
DATE: 11/14/2025
DESIGNED: RRN
DRAWN: RRN
REVIEWED: ACH
FIELD BOOK NO.:

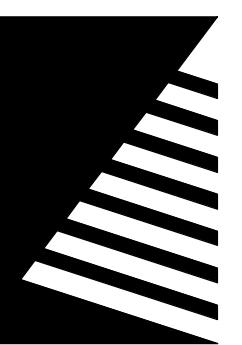
GRADING PLAN

HEET NUMBER:

C1.1





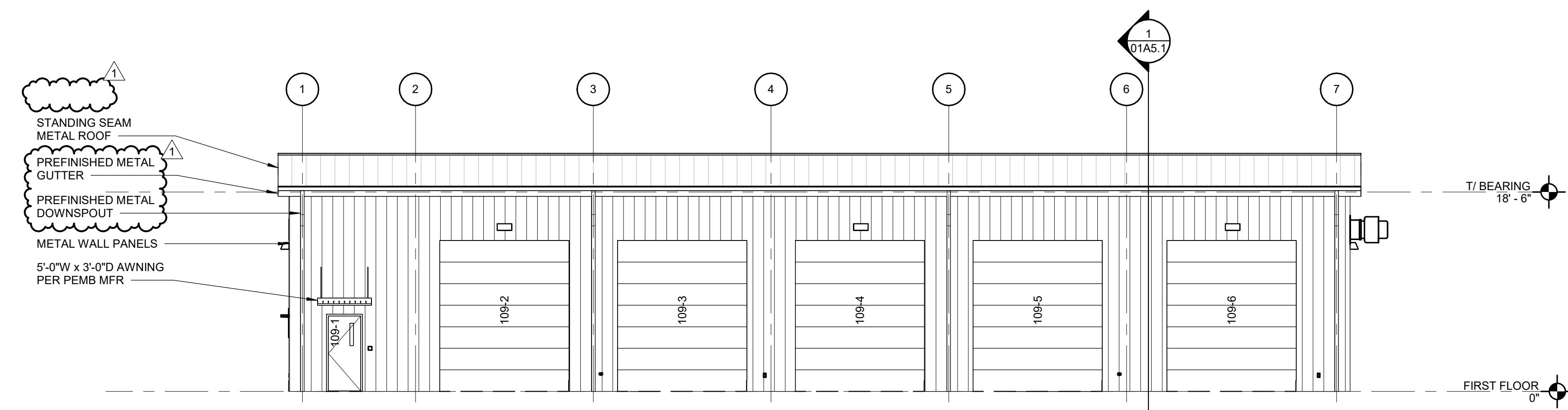


Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

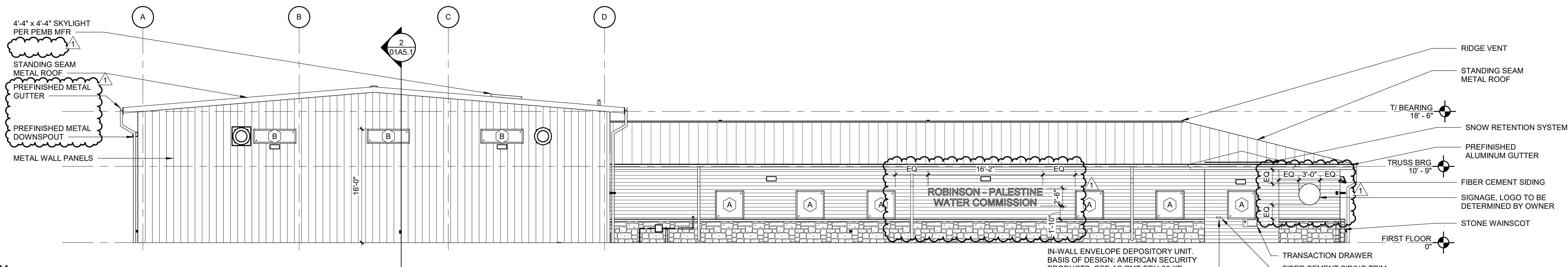
www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
1 01/09/2026 ADD 02



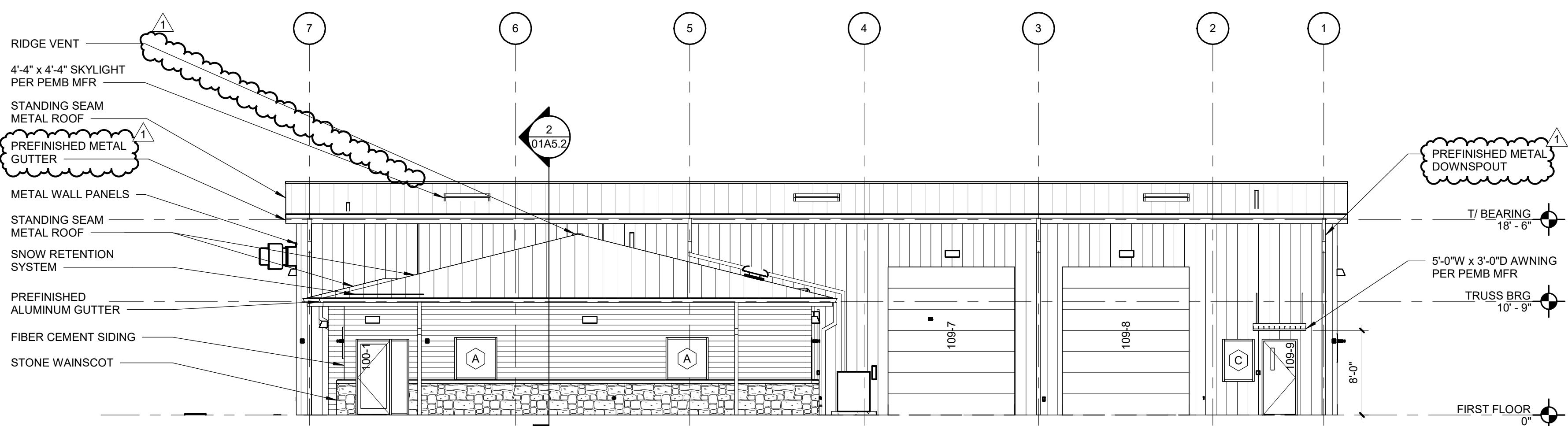
4 NORTH ELEVATION

SCALE: 1/8" = 1'-0"



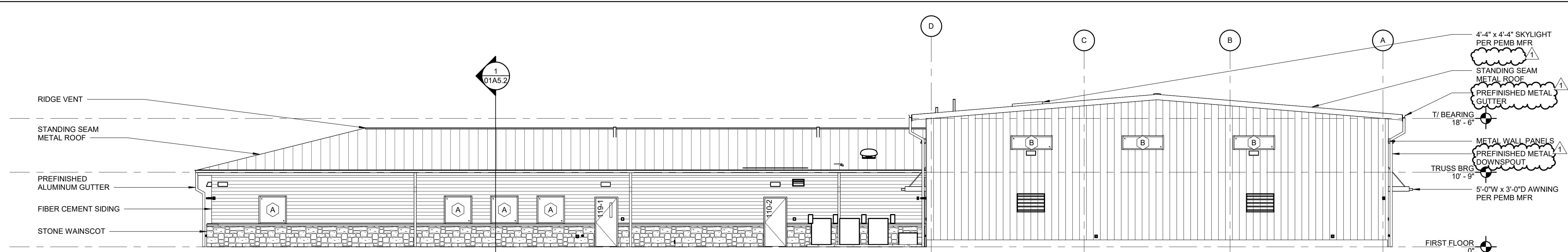
3 WEST ELEVATION

SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



1 EAST ELEVATION

SCALE: 1/8" = 1'-0"

BID SET
NOT FOR CONSTRUCTION

PROJECT:
Robinson-Palestine Water
Commission

**Water Treatment Plant
and Campus**

10711 N. State Highway 1,
Robinson, IL 62454

DATE: 11/14/2025
DESIGNED: BSW
DRAWN: LCH
REVIEWED: BSW

**EXTERIOR
ELEVATIONS - O/M**

SHEET NUMBER:

01A3.1
PROJECT NO.: 0210007.00
11/14/2025 3:34:20 PM

| CEILING FINISH SCHEDULE | | | | | | | |
|---|--------------------------|---|--------------------------------------|---|---------------------------|----------------------|--|
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | SUPPLIER / INSTALLER | NOTES |
| FRP-4 | NUDO | NUFIBER | 1/2" PLYWOOD SUBSTRATE | WHITE | SMOOTH | CFCI | - |
| P-5 | SHERWIN WILLIAMS | SEE SPECIFICATIONS | - | SW7005 PURE WHITE | SEE SPECIFICATIONS | CFCI | - |
| WALL FINISH SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | GROUT | SUPPLIER / INSTALLER |
| FRP-1 | NUDO | STANDARD FRP | - | BLACK | PEBBLED | - | CFCI |
| FRP-2 | MARLITE | SYMMETRIX SUBWAY | 6" X 3" SUBWAY TILE | COLOR TO MATCH: SW6235 FOGGY DAY, GRAY GROUT | HIGH GLOSS | - | CFCI |
| FRP-3 | NUDO | NUFIBER | 1/2" PLYWOOD SUBSTRATE | PEARL GRAY | PEBBLED | - | CFCI |
| P-1 | SHERWIN WILLIAMS | SEE SPECIFICATIONS | - | SW7626 ZURICH WHITE | SEE SPECIFICATIONS | - | CFCI |
| P-2 | SHERWIN WILLIAMS | SEE SPECIFICATIONS | - | SW9170 ACIER | SEE SPECIFICATIONS | - | CFCI |
| P-3 | SHERWIN WILLIAMS | SEE SPECIFICATIONS | - | SW6235 FOGGY DAY | SEE SPECIFICATIONS | - | CFCI |
| WALL BASE FINISH SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | GROUT | SUPPLIER / INSTALLER |
| RB-1 | TARKETT | TRADITIONAL VINYL COVE WITH TOE | 4" HIGH | TA4 GATEWAY | - | - | CFCI |
| FLOOR FINISH SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | GROUT | SUPPLIER / INSTALLER |
| CON | SEE SPECIFICATIONS; W.R. | SEE SPECIFICATIONS; SIL-CRETE, LIQUI-HARD ULTRA, & PENTREAT | - | - | - | - | CFCI |
| CPT-1 | INTERFACE | EFFERVESCENT | 25 CM X 1M | 108291 LINDEN | - | - | CFCI |
| CPT-2 | INTERFACE | MOVING TINTS | 25 CM X 1M | 108291 LINDEN | - | - | CFCI |
| CPT-3 | INTERFACE | STEP REPEAT SR899 | 25 CM X 25 CM | 104938 SMOKE | - | - | CFCI |
| LVT-1 | INTERFACE | SCORPIO 4.5 | 50 CM X 50 CM | A01714 MUSHROOM | CERAMOR | - | CFCI |
| LVT-2 | INTERFACE | NORTHERN GRAIN 4.5 | 25 CM X 1M | A02612 DARK SATIN | CERAMOR | - | CFCI |
| CASEWORK HORIZONTAL FINISH SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | SUPPLIER / INSTALLER | NOTES |
| CRS-1 | DURCON | SOLICOR-CR: STRAIGHT EDGE | 1" THICK | GRAPHITE | - | CFCI | - |
| SS-1 | CORIAN | SOLID SURFACE | - | STONIQUE | SATIN | CFCI | - |
| SS-2 | CORIAN | SOLID SURFACE | - | LAVA ROCK | SATIN | CFCI | - |
| CASEWORK VERTICAL FINISH SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | SUPPLIER / INSTALLER | NOTES |
| PL-1 | WILSONART | HIGH PRESSURE LAMINATE | - | EBONY RECON | 38 FINE VELVET TEXTURE | CFCI | - |
| PL-2 | WILSONART | HIGH PRESSURE LAMINATE | - | SILVER ALCHEMY 4860 | 07 TEXTURED GLOSS | CFCI | - |
| MISCELLANEOUS FINISH SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | SUPPLIER / INSTALLER | NOTES |
| D-1 | VT INDUSTRIES | WOOD DOORS; SPECIES: WHITE MAPLE | - | ONYX ON18 | - | CFCI | - |
| GB-1 | QUARTET | INFINITY GLASS DRY-ERASE BOARDS; MAGNETIC WITH ACCESSORY TRAY | 48" X 36" | WHITE | - | CFCI | INSTALLATION LOCATION TO BE COORDINATED WITH FURNITURE AND WITH OWNER. |
| GB-2 | QUARTET | INFINITY GLASS DRY-ERASE BOARDS; MAGNETIC WITH ACCESSORY TRAY | 72" X 48" | WHITE | - | CFCI | INSTALLATION LOCATION TO BE COORDINATED WITH FURNITURE AND WITH OWNER. |
| P-4 | SHERWIN WILLIAMS | - | - | SW7069 IRON ORE | SEMI-GLOSS | CFCI | - |
| SC-1 | INPRO | SUPER BIO STAT VINYL SHOWER CURTAINS | - | STERLING | - | CFCI | - |
| TP-1 | SCRANTON | HINY HIDERS | - | BLACK | ORANGE PEEL | CFCI | - |
| WINDOW TREATMENT SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | OPENING SIZE (VERIFY ON SITE) | DRAPERY FABRIC / SHADE COLOR | FINISH | SUPPLIER / INSTALLER | NOTES |
| RS-1 | DRAPER | CLUTCH OPERATED FLEX SHADE | SEE WINDOW SCHEDULE | SHADE: E SCREEN 3% ATF CHARCOAL/CHARCOAL | FASCIA: ANODIZED ALUMINUM | CFCI | - |
| SIGNAGE / ARTWORK SCHEDULE | | | | | | | |
| TAG | MANUFACTURER | PRODUCT LINE | SIZE | COLOR | FINISH | SUPPLIER / INSTALLER | NOTES |
| S-1 | ACE SIGNS | PVC DIMENSIONAL LETTERS ON STAND OFFS; FONT: HELVETICA | SEE ELEVATIONS FOR OVERALL DIMENSION | ALL FACES PAINTED; BRUSHED SILVER | - | CFCI | VERBAGE/LOGO TO BE COORDINATED WITH OWNER |
| S-2 | ACE SIGNS | EXTERIOR HIGH DENSITY URETHANE DIMENSIONAL LETTERS ON STAND OFFS; FONT: HELVETICA | SEE ELEVATIONS FOR OVERALL DIMENSION | ALL FACES PAINTED; BRUSHED SILVER | - | CFCI | VERBAGE/LOGO TO BE COORDINATED WITH OWNER |
| S-3 | ACE SIGNS | CAST BRONZE BUILDING PLAQUE | 36" X 48" | - | - | CFCI | VERBAGE/LOGO TO BE COORDINATED WITH OWNER |
| CARPET TO LVT TRANSITION | | | | | | | |
| RUBBER TRANSITION, BASIS-OF-DESIGN PRODUCT; TARKETT, #SLT-XX-A, COORDINATE WITH LVT & CARPET THICKNESS. | | | | | | | |
| LUXURY VINYL TILE, SEE PLANS & SCHEDULES. | | | | | | | |
| FLOOR SUBSTRATE, SEE SPECIFICATIONS. | | | | | | | |
| LVT TO CONCRETE TRANSITION | | | | | | | |
| CONCRETE FLOORING, SEE PLANS & SCHEDULES. | | | | | | | |
| RUBBER TRANSITION, BASIS-OF-DESIGN PRODUCT; TARKETT, #SLT-XX-J, COORDINATE WITH LVT THICKNESS. | | | | | | | |
| LUXURY VINYL TILE, SEE PLANS & SCHEDULES. | | | | | | | |

PROJECT GENERAL FINISH NOTES

A. DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.

B. DO NOT SCALE DRAWINGS IF DIMENSIONAL INFORMATION IS REQUIRED AND NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.

C. BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT / MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST AS OUTLINED IN PROJECT SPECIFICATIONS. ALTERNATE PRODUCTS TO RESEMBLE BASIS-OF-DESIGN PRODUCT IN APPEARANCE, SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.

D. REFER TO INTERIORS GENERAL INFORMATION SHEET (I.O.I) FOR FINISH SYMBOLS AND ABBREVIATIONS.

E. REFER TO FINISH PLANS, FINISH SCHEDULE AND DETAILS FOR FINISH INFORMATION AND LOCATION. REFER TO ARCHITECTURAL ELEVATIONS FOR ADDITIONAL FINISH INFORMATION OR WHERE MULTIPLE FINISHES ARE INDICATED ON PLAN FOR THE SAME LOCATION.

F. NOTES COLUMN ON PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.

G. U.N.O. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN CLOSER POSITION.

H. ALL FINISHES OF SAME TYPE SHALL BE ORDERED IN TIMELY MANNER SO AS TO ADHERE TO PROJECT SCHEDULE. ALL FINISHES OF SAME TYPE SHALL BE ORDERED FROM ONLY ONE (1) DYE LOT. A SAMPLE FROM THE SAME DYE LOT TO BE SUBMITTED TO ARCHITECT FOR APPROVAL WHERE MORE THAN ONE DYE LOT IS REQUIRED. NOTIFY ARCHITECT IMMEDIATELY AND SUBMIT SECOND VERIFICATION SAMPLE FROM OTHER DYE LOT FOR APPROVAL.

I. U.N.O. ALL LIGHT SWITCH AND OUTLET COVER PLATES TO BE WHITE.

J. U.N.O. ALL MECHANICAL DIFFUSER/AIR GRILLES AND ELECTRICAL PANELS TO BE PAINTED TO MATCH ADJACENT WALL FINISH.

K. U.N.O. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS.

L. G.C. TO COORDINATE WITH ARCHITECT REGARDING SPECIAL PRICING WITH MANUFACTURERS LISTED IN THE PRODUCT MANUFACTURERS CONTACT LIST ON SHEET I.O.I.

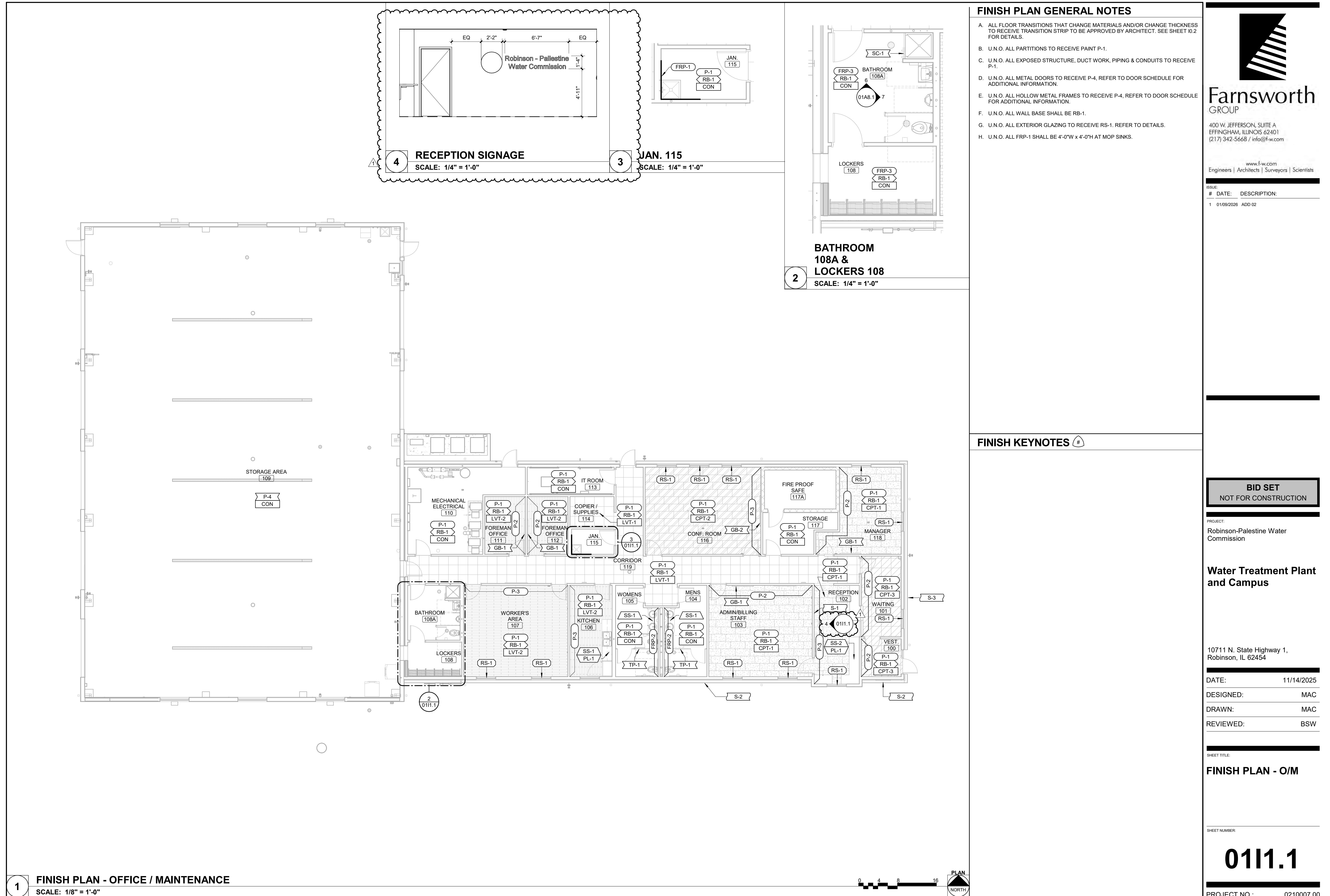
SYMBOLS LEGEND

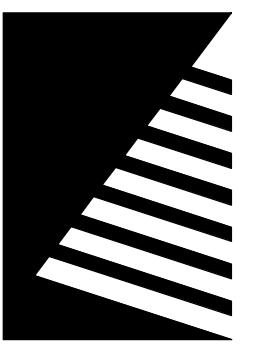
NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

| | |
|---------------|--|
| X# | CEILING FINISH |
| X# | WALL FINISH |
| X# | ACCENT WALL FINISH |
| X# | WALL BASE FINISH |
| X# | FLOOR FINISH |
| X# | CASEWORK COUNTER/TRANSITION TOP FINISH |
| X# | CASEWORK BASE AND UPPER CABINET FINISH |
| X# | MISCELLANEOUS FINISH |
| X# | SIGNAGE / ARTWORK FINISH |
| X# | WINDOW TREATMENT FINISH |
| L | CORNER GUARD |
| | SHOWER CURTAIN |
| | ROLLER SHADE |
| # | FINISH KEYNOTE |
| XXX# | FINISH MATERIAL TRANSITION |
| ALIGN | ALIGN FINISH WITH ADJACENT ITEM |
| → | FINISH PATTERN/LINEAR DIRECTION |
| ROOM NAME 101 | ROOM DESIGNATION |
| — | BREAK LINE |
| ? | REVISION NOTE |

ABBREVIATIONS

| | | | |
|------|--|------|--|
| AB | ALUMINUM WALL BASE | OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED |
| ACB | ACOUSTICAL CEILING BAFFLE | OFOI | OWNER FURNISHED, INSTALLED BY OTHERS |
| ACC | ACOUSTICAL CEILING CLOUD | P | PAINT |
| ACT | ACOUSTICAL CEILING TILE | PFIN | PREFINISHED |
| ADJ | ADJACENT | PL | PLASTIC LAMINATE |
| AF | ARCHITECTURAL FILM | QTZ | QUARTZ |
| AFF | ABOVE FINISHED FLOOR | AP | RESILIENT WALL BASE |
| AL | ALUMINUM | RF | RESIN POURED FLOORING |
| AP | ACOUSTICAL PANEL | RP | RESIN / ACRYLIC PANEL |
| ART | ARTWORK | RS | ROLLER SHADE |
| BBT | BIOBASED RESILIENT TILE | RUB | RUBBER SHEET / TILE |
| BR | BROWN VENEER | RV | DRYWALL / MILLWORK REVEAL |
| CB | CEMENT BOARD | S | SIGNAGE |
| CCT | CUBICLE CURTAIN TRACK | SC | SHOWER CURTAIN |
| CFCI | CONTRACTOR FURNISHED, CONTRACTOR INSTALLED | SCR | SHOWER CURTAIN ROD |
| CFI | CONTRACTOR FURNISHED, INSTALLED BY OTHERS. | SD | STATIC DISSIPATIVE FLOORING |
| CO | CORNER GUARD | SF | SQUARE FEET (FOOT) |
| CJ | CONTROL JOINT | SHT | SHUTTER |
| CMU | CONCRETE MASONRY UNIT | SST | SOLID SURFACE |
| CON | CONCRETE FLOORING / FINISH | SV | STAINLESS STEEL |
| CPT | CARPET | SVT | SPECIALTY VINYL TILE |
| CR | CRASH RAIL | SY | SQUARE YARDS (SY) |
| CRS | CHEM-RESISTANT SURFACE | T | TILE FLOORING / WALL / WALL BASE (CERAMIC, PORCELAIN, GLASS) |
| CS | CULTURED STONE | EWD | ENGINEERED WOOD PLANK |
| CUR | DECORATIVE CURTAIN / ROD | EX | EXISTING |
| DG | DOOR FRAME GUARD | EXP | EXPANSION JOINT |
| EG | END WALL GUARD | F | EXPOSED |
| EN | ENTRY MAT SYSTEM | FRP | FIBERGLASS REINFORCED |
| EWD | ENGINEERED WOOD PLANK | PART | PARTITION |
| EX | EXISTING | TR | TRIM / CROWN / BASE MOLDING |
| EXJ | EXJ | TS | TRANSITION STRIP |
| EXP | EXP | TYP | TYPICAL |
| F | F | TZ | TERAZZO FLOORING |
| FRP | FRP | UNO | UNFINISHED |
| G | G | VAL | VALANCE |
| GR | GLASS / GLAZING | VBL | VERTICAL BLINDS |
| GYP | GROUT | VCT | VINYL COMPOSITION TILE |
| HBL | GYPSUM WALL BOARD | VET | VINYL ENHANCED TILE |
| HBL | HORIZONTAL BLINDS | VIF | VERIFY IN FIELD |
| HR | HR | WC | WALL COVERING |



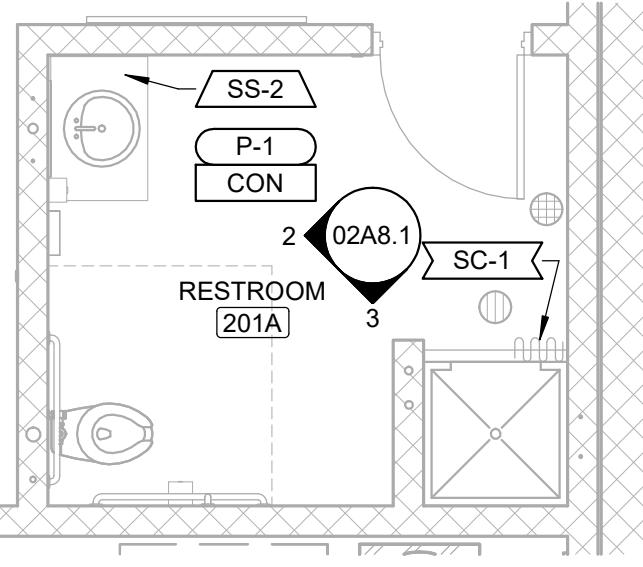


Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

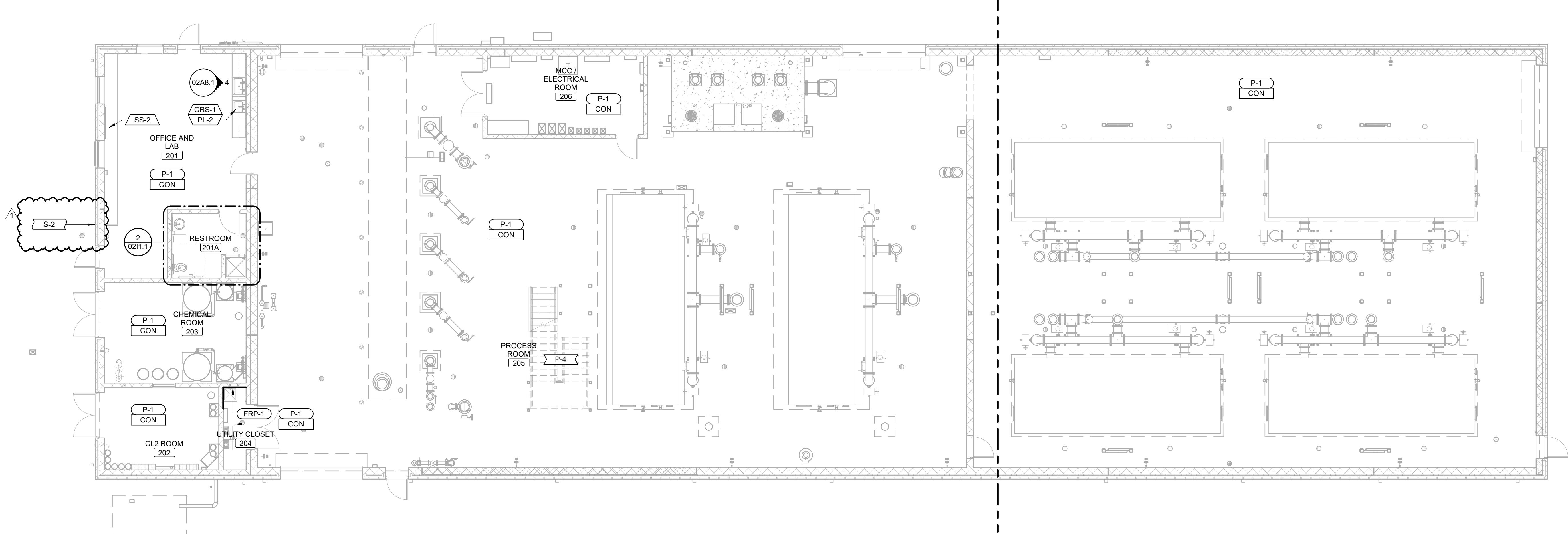
ISSUE: # DATE: DESCRIPTION:
1 01/09/2026 ADD 02



2 RESTROOM 201A
SCALE: 1/4" = 1'-0"

FINISH PLAN GENERAL NOTES

- A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT. SEE SHEET 10.2 FOR DETAILS.
- B. U.N.O. ALL PARTITIONS TO RECEIVE PAINT P-1.
- C. U.N.O. ALL EXPOSED STRUCTURE, DUCT WORK, PIPING & CONDUITS TO RECEIVE P-1.
- D. U.N.O. ALL METAL DOORS TO RECEIVE P-4, REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- E. U.N.O. ALL HOLLOW METAL FRAMES TO RECEIVE P-4, REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- F. U.N.O. ALL WALL BASE SHALL BE RB-1.
- G. U.N.O. ALL EXTERIOR GLAZING TO RECEIVE RS-1, REFER TO DETAILS.
- H. U.N.O. ALL FRP-1 SHALL BE 4'-0" W X 4'-0" H AT MOP SINKS.



BID SET
NOT FOR CONSTRUCTION

PROJECT:
Robinson-Palestine Water
Commission

**Water Treatment Plant
and Campus**

10711 N. State Highway 1,
Robinson, IL 62454

DATE: 11/14/2025

DESIGNED: MAC

DRAWN: MAC

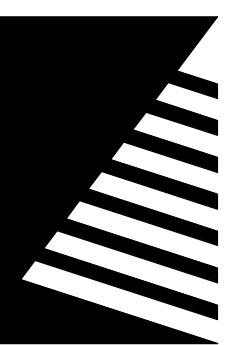
REVIEWED: BSW

SHEET TITLE:

FINISH PLAN - WTP

SHEET NUMBER:

0211.1

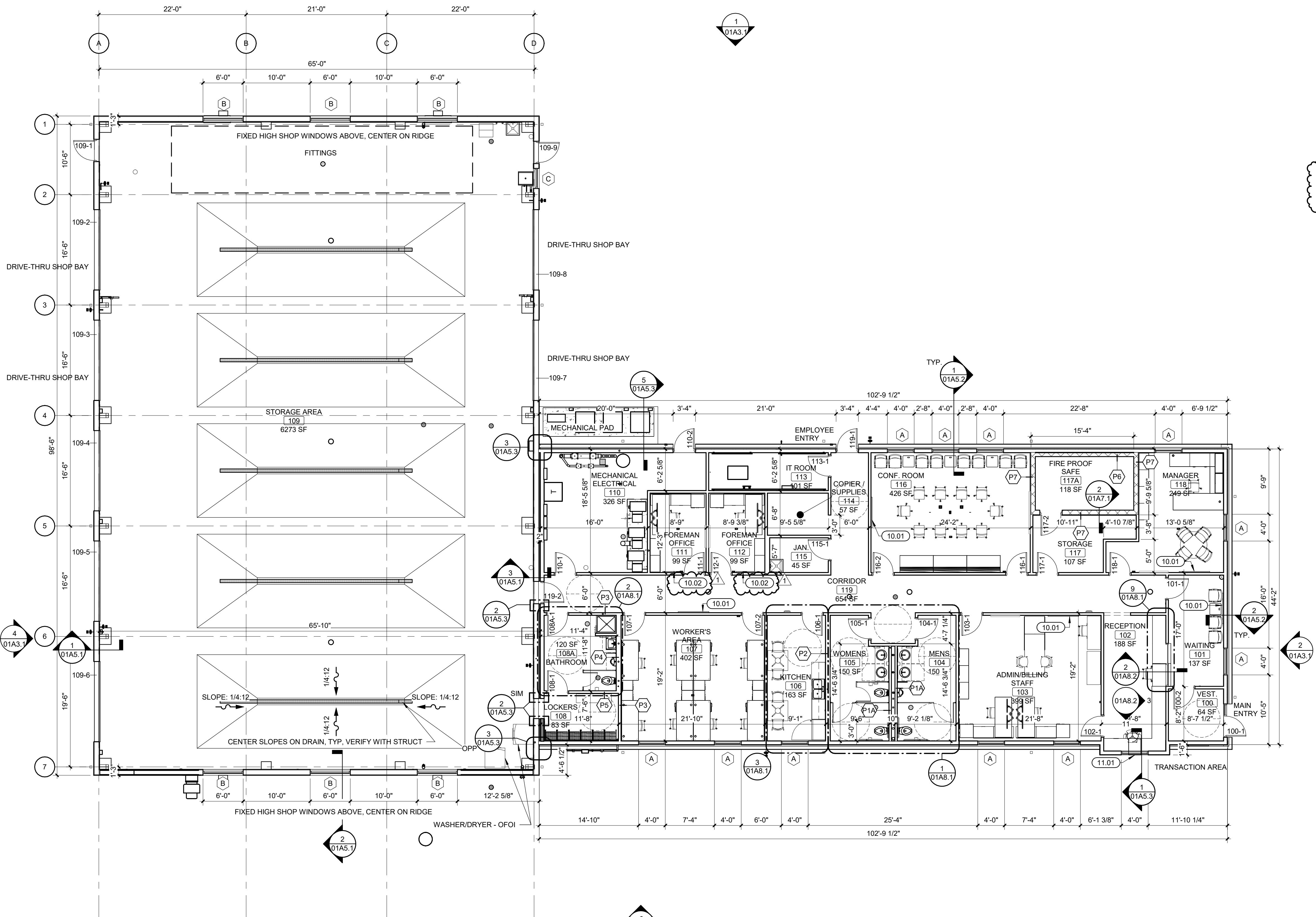


Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

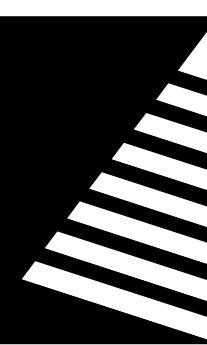
www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
1 01/09/2026 ADD 02



01A1.1

PROJECT NO.: 0210007.00

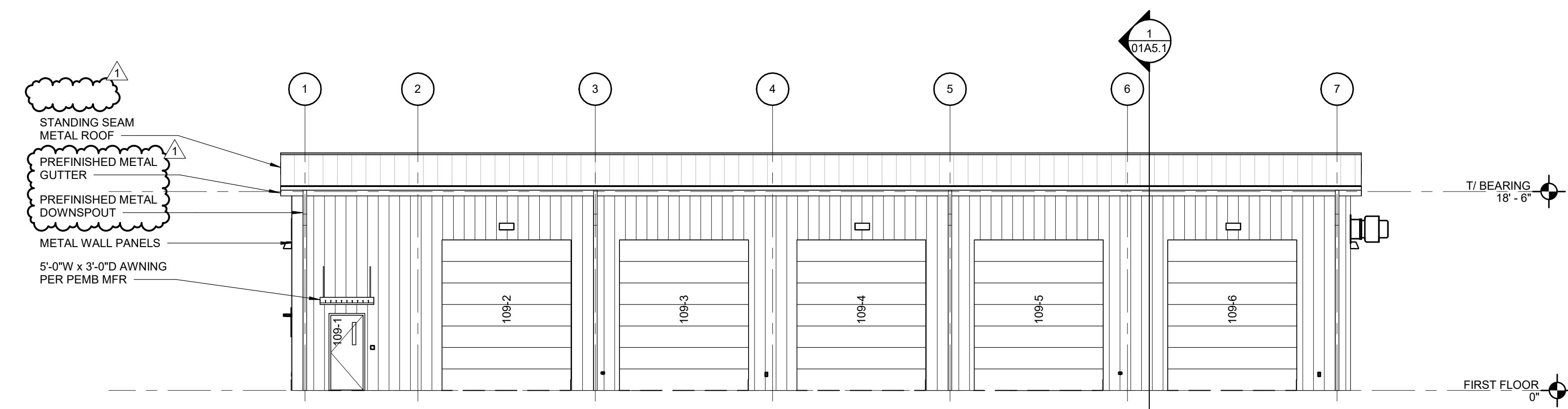


Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

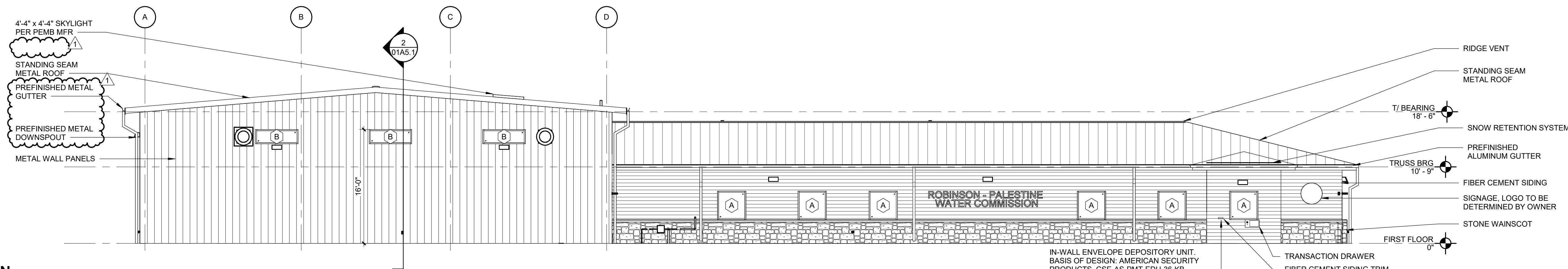
www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
1 01/09/2026 ADD 02



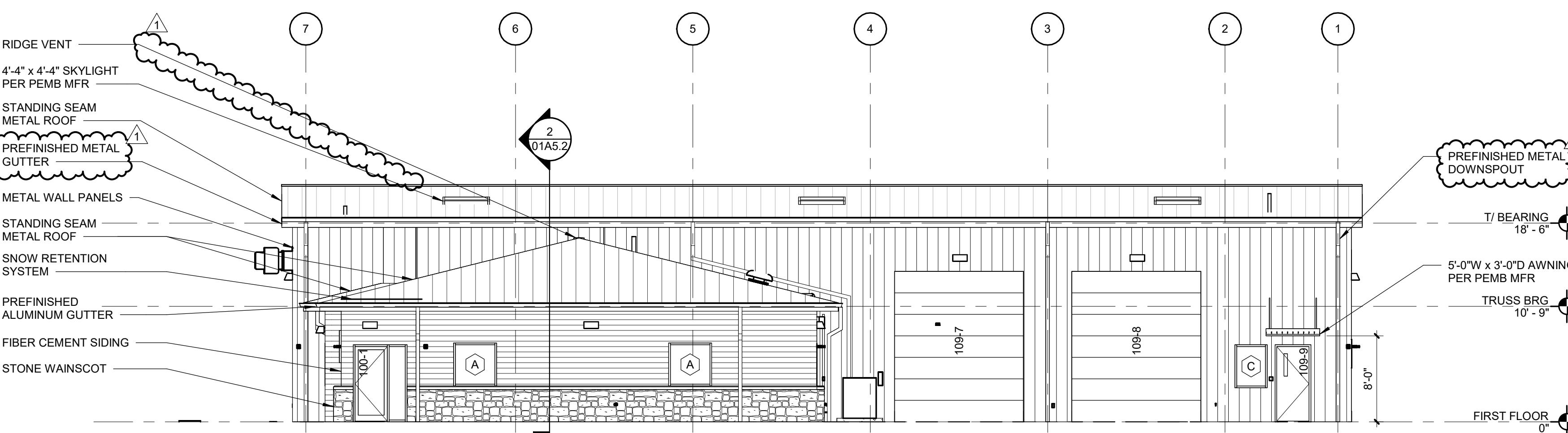
4 NORTH ELEVATION

SCALE: 1/8" = 1'-0"



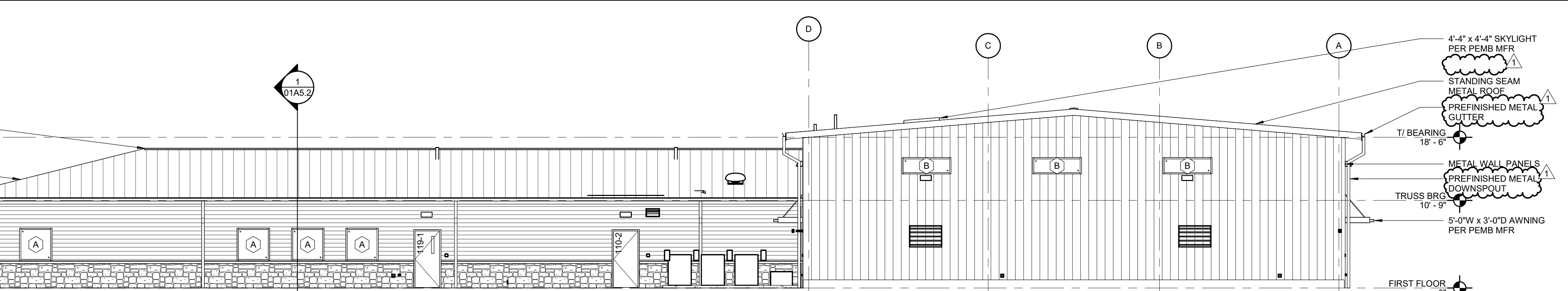
3 WEST ELEVATION

SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



BID SET
NOT FOR CONSTRUCTION

PROJECT:
Robinson-Palestine Water
Commission

**Water Treatment Plant
and Campus**

10711 N. State Highway 1,
Robinson, IL 62454

DATE: 11/14/2025
DESIGNED: BSW
DRAWN: LCH
REVIEWED: BSW

SHEET TITLE:

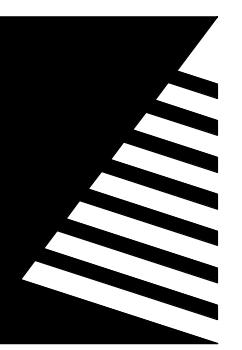
**EXTERIOR
ELEVATIONS - O/M**

SHEET NUMBER:

01A3.1
PROJECT NO.: 0210007.00
17/09/2026 10:49:00 AM

1 EAST ELEVATION

SCALE: 1/8" = 1'-0"

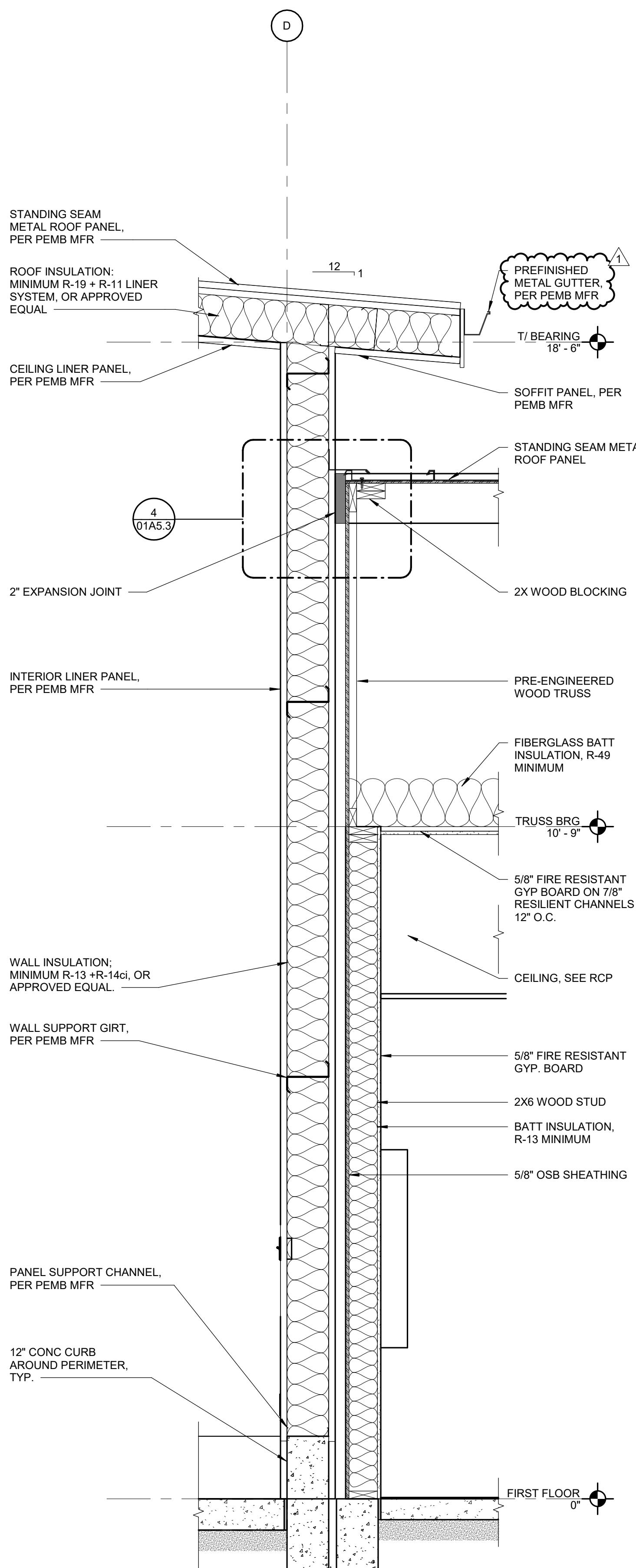


Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

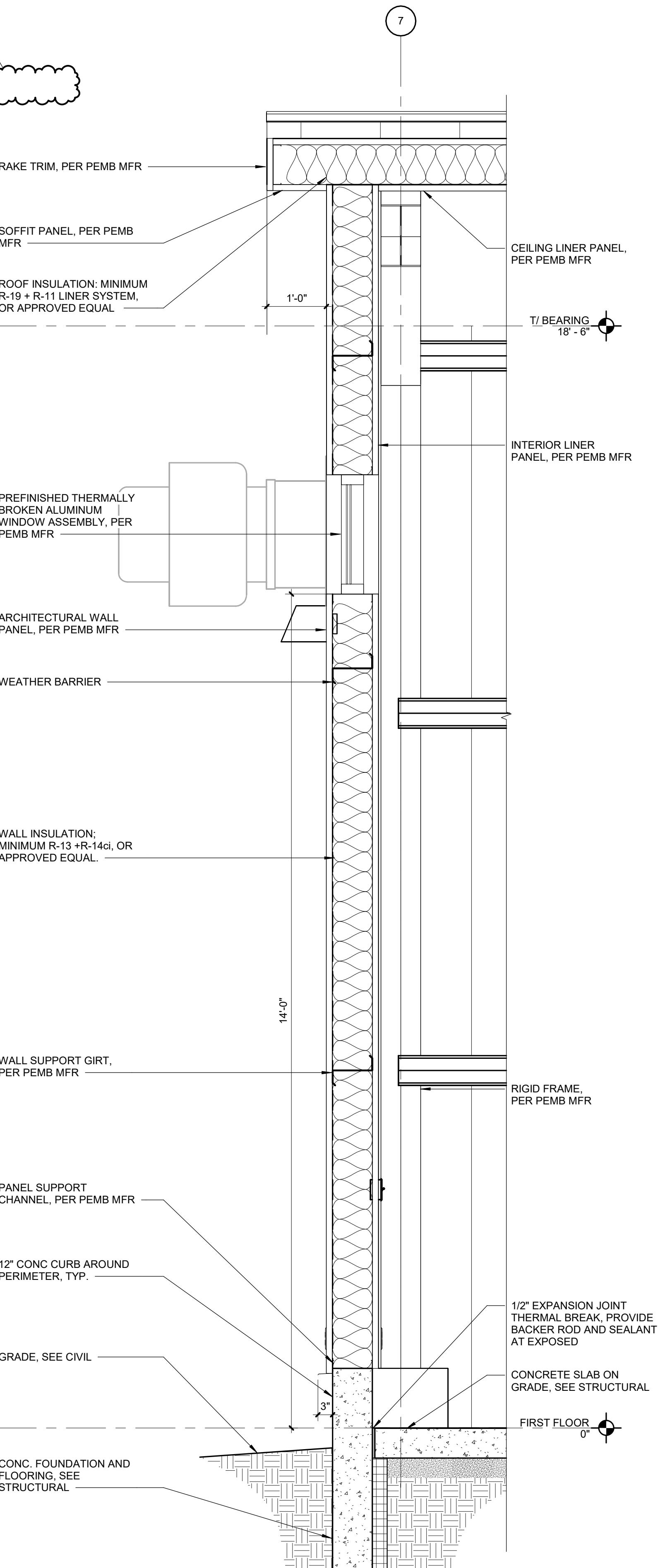
www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
1 01/09/2026 ADD 02



WALL SECTION - BUILDING CONNECTION

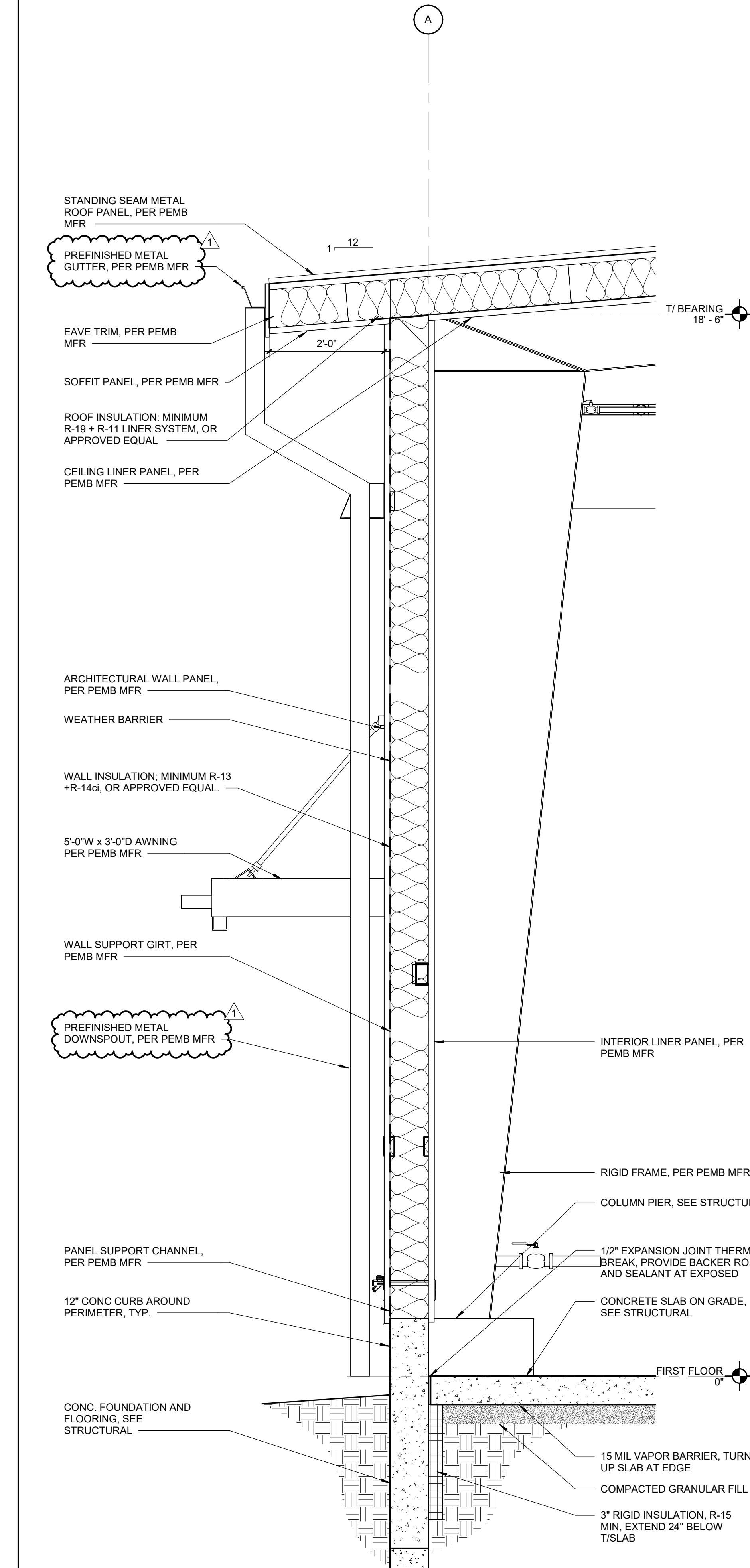
17/09/2026 10:49:01 AM



WALL SECTION - STORAGE BUILDING GABLE END

SCALE: 3/4" = 1'-0"

SCALE: 3/4" = 1'-0"



WALL SECTION - STORAGE BUILDING

SCALE: 3/4" = 1'-0"

BID SET
NOT FOR CONSTRUCTION

PROJECT:
Robinson-Palestine Water
Commission

**Water Treatment Plant
and Campus**

10711 N. State Highway 1,
Robinson, IL 62454

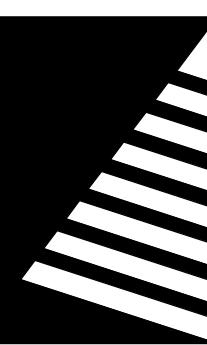
DATE: 11/14/2025
DESIGNED: BSW
DRAWN: LCH
REVIEWED: BSW

SHEET TITLE: WALL SECTIONS -
STORAGE BUILDING

SHEET NUMBER:

01A5.1

PROJECT NO.: 0210007.00



Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

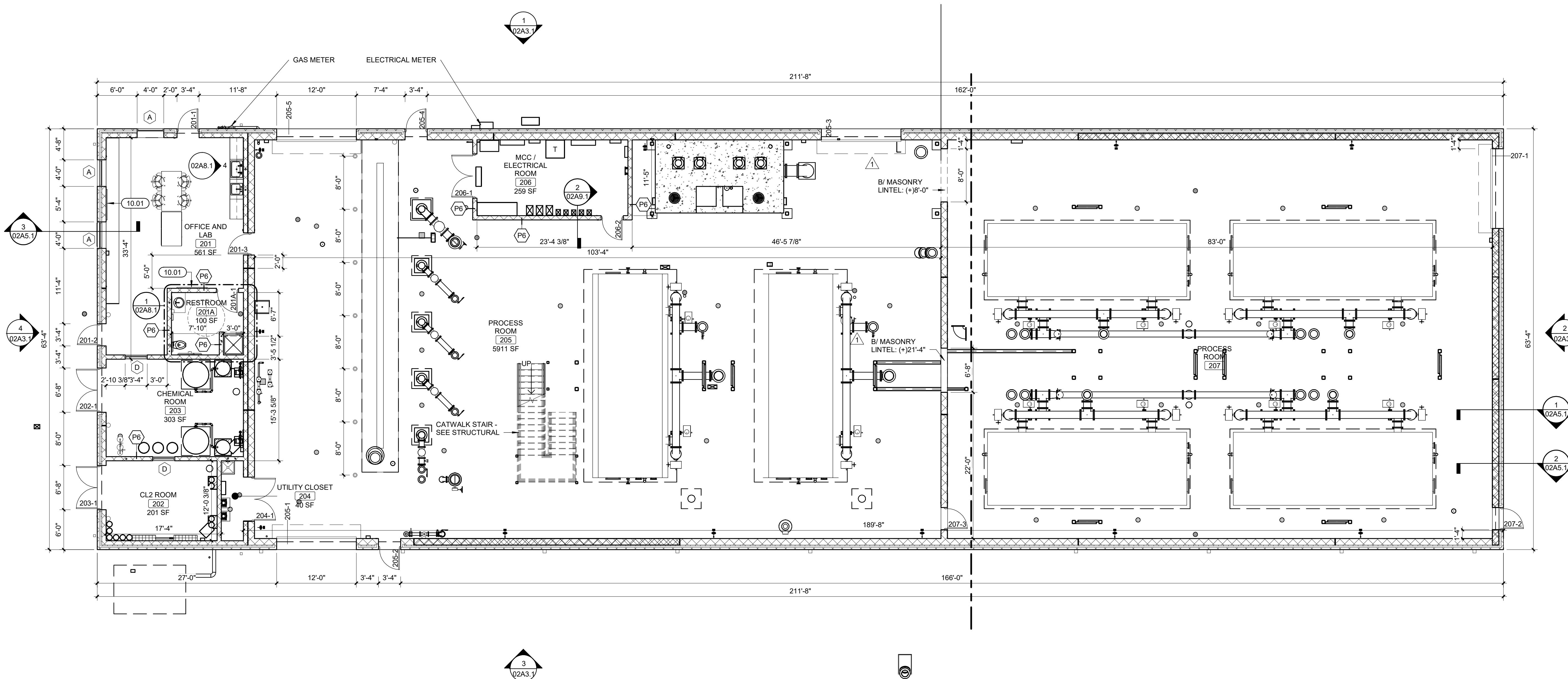
www.f-w.com
Engineers | Architects | Surveyors | Scientists

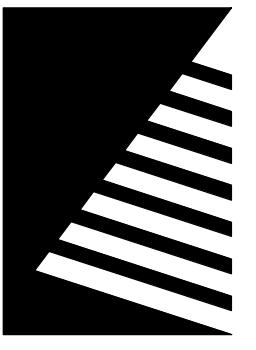
ISSUE: # DATE: DESCRIPTION:
1 12/17/2025 ADD 01
2 01/09/2026 ADD 02

| KEYNOTES (BY DIVISION) | |
|------------------------|---|
| Mark 10.01 | Division 10 WALL MOUNTED TELEVISION; BASIS OF DESIGN: SAMSUNG 55" CLASS, U7900 SERIES, OR APPROVED EQUAL |

PLAN GENERAL NOTES

- A. FINISHED FLOOR (FF) ELEVATION = 481.50
- B. REFER TO LIFE SAFETY AND PARTITIONS FOR LOCATION OF RATED PARTITIONS, SEPARATION INFORMATION, AND PARTITION TYPES. ALL INTERIOR PARTITIONS ARE TYPE P8 UNLESS OTHERWISE NOTED OR SHOWN.
- C. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.
- D. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- E. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.
- F. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.
- G. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF
- H. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
- I. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN.
- J. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.
- K. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
- L. CONTROL JOINTS OF 4" CMU SHALL BE SPACED AT 7'-4" MAXIMUM O.C. AND NO MORE THAN 4'-0" AT CORNERS.
- M. COORDINATE SLOPED FLOOR AT TRENCH DRAINS WITH STRUCTURAL.





Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
1 12/17/2025 ADD 01
2 01/09/2026 ADD 02

INTERIOR ELEVATION GENERAL NOTES

- A. SEE G.0.1 FOR STANDARD MOUNTING HEIGHTS.
- B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

CASEWORK SCHEDULE

| NO. | WIDTH | HEIGHT | DEPTH | DETAIL NO. | DESCRIPTION |
|---------------|-------|-----------|-------|------------|--|
| BASE CABINETS | | | | | |
| B1 | 3'-0" | 2'-8 1/2" | 2'-0" | | ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF (LABORATORY GRADE) |
| B4 | 3'-3" | 2'-8 1/2" | 2'-0" | | ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF (LABORATORY GRADE) |
| B5 | 3'-0" | 2'-8 1/2" | 2'-0" | | SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS (LABORATORY GRADE) |
| WALL CABINETS | | | | | |
| W1 | 3'-0" | 2'-6" | 1'-0" | | TWO HINGED DOORS, TWO ADJUSTABLE SHELVES (LABORATORY GRADE) |
| W3 | 3'-0" | 1'-6" | 1'-0" | | TWO HINGED DOORS, TWO ADJUSTABLE SHELVES (LABORATORY GRADE) |
| W4 | 3'-3" | 2'-6" | 1'-0" | | TWO HINGED DOORS, TWO ADJUSTABLE SHELVES (LABORATORY GRADE) |

TOILET ACCESSORY SCHEDULE

| MARK | DESCRIPTION | REMARKS |
|------|--------------------------|---------|
| T1 | GRAB BAR (42") | CFCI |
| T2 | GRAB BAR (36") | CFCI |
| T3 | GRAB BAR (18") | CFCI |
| T4 | TOILET PAPER DISPENSER | CFCI |
| T5 | PAPER TOWEL DISPENSER | CFCI |
| T6 | LIQUID SOAP DISPENSER | CFCI |
| T7 | FRAMED MIRROR | CFCI |
| T8 | SANITARY NAPKIN DISPOSAL | CFCI |
| T10 | SHOWER ROD AND CURTAIN | |

BID SET NOT FOR CONSTRUCTION

PROJECT:
Robinson-Palestine Water
Commission

Water Treatment Plant
and Campus

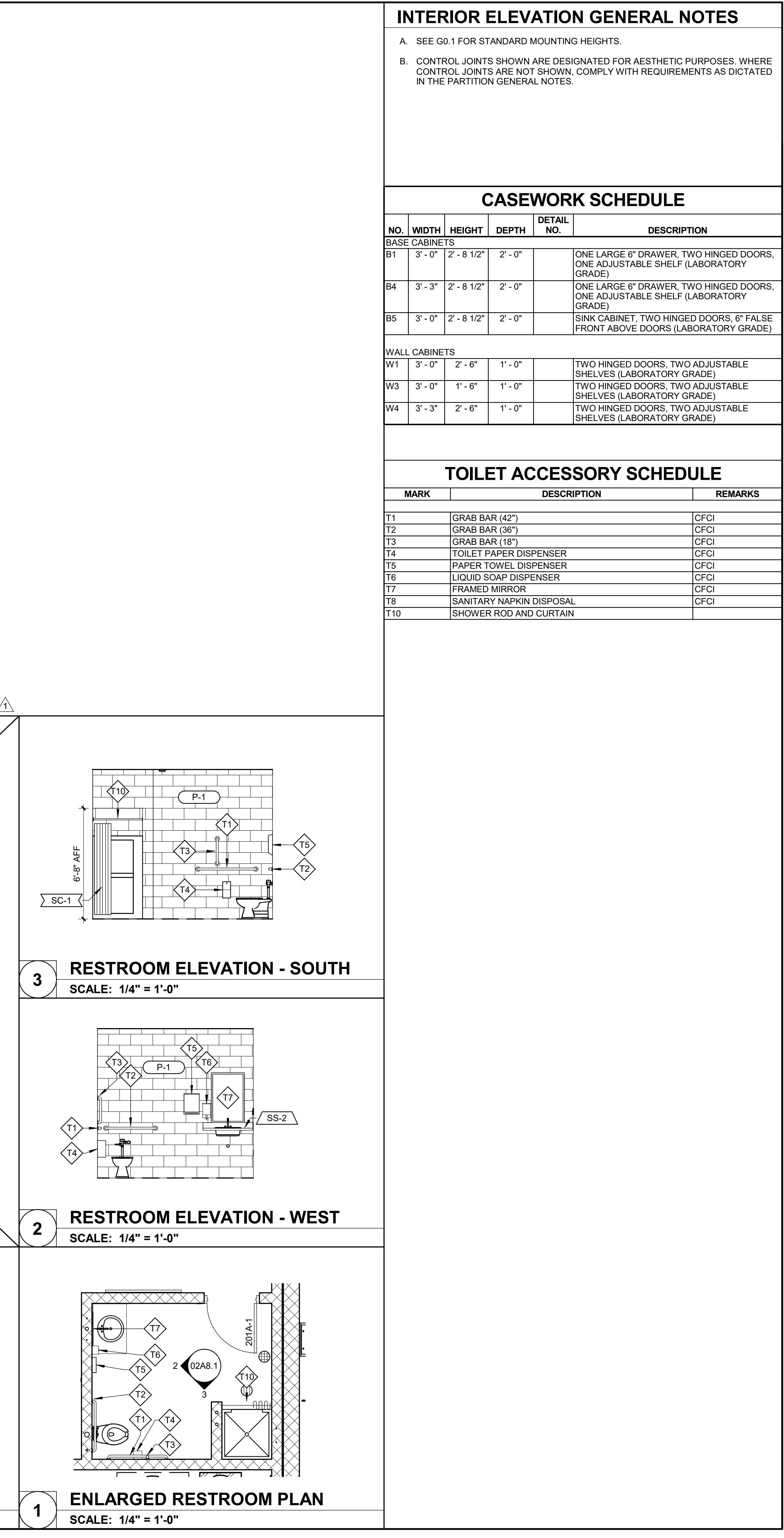
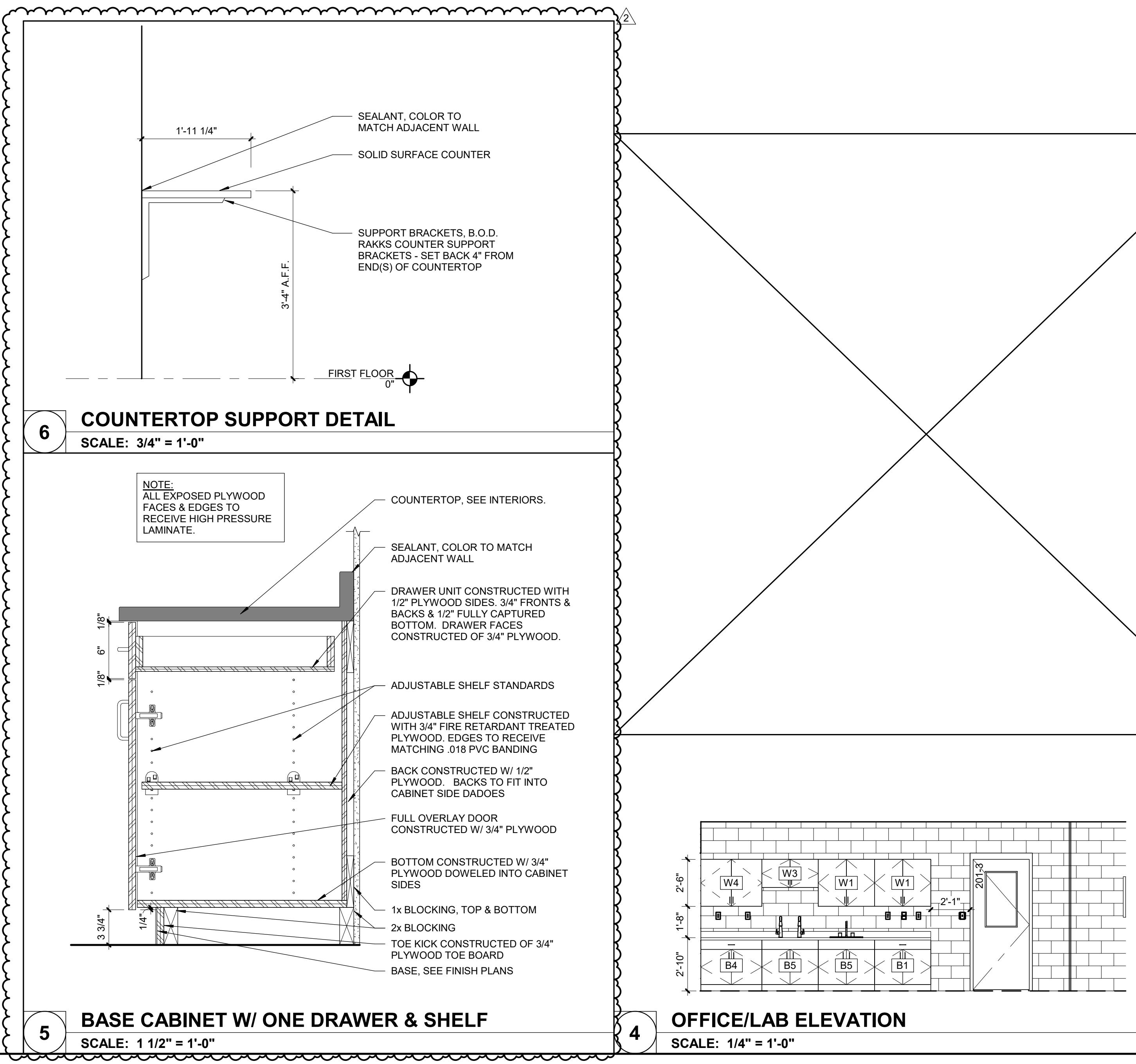
10711 N. State Highway 1,
Robinson, IL 62454

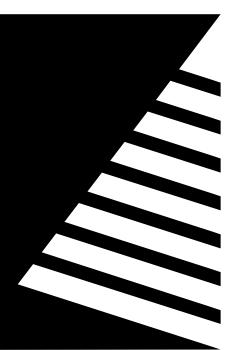
DATE: 11/14/2025
DESIGNED: BSW
DRAWN: LCH
REVIEWED: BSW

SHEET TITLE:
INTERIOR
ELEVATIONS,
ENLARGED PLANS,
AND WINDOW
DETAILS
SHEET NUMBER:

02A8.1

PROJECT NO.: 0210007.00





Farnsworth
GROUP

400 W. JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 342-5668 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:

add sheet:
O:\Robinson-Palestine Water
Commission\Client
Content\Wells\Drawings



GENERAL NOTES:

A. SITE LOCATION: WELLS ARE LOCATED NORTH-WEST OF THE DOLLAR GENERAL (306 N WASHINGTON ST, PALESTINE, IL 62451). THE ACCESS ROAD IS LOCATED AT: 39°00'23.5"N 87°37'16.8"W OFF OF IL-33/N WASHINGTON ST.

B. AT EACH EXISTING WELL MOVE EXISTING VFD CABINET TO NEW VFD SHED. PROVIDE CONDUIT AND CONDUCTOR FROM EXISTING WELL HOUSE TO NEW VFD SHED TO RE-FEED VFD AND PUMP. PROVIDE LIGHTING AND POWER AS SHOWN ON PLAN SHEETS.

C. ALL CONDUIT UNDERGROUND SHALL BE SCHEDULE 40PVC, ALL CONDUIT ABOVE GRADE SHALL BE RGS. TRANSITION CONDUIT BELOW GRADE FROM PVC TO RGS.

PERMIT REVIEW
NOT FOR CONSTRUCTION

PROJECT:
Robinson-Palestine Water
Commission

**Route 1 Water
Treatment Plant**

10711 N. State Highway 1
Robinson, IL 62454

DATE: 11/13/2025

DESIGNED: TJS/DAR

DRAWN: RCW

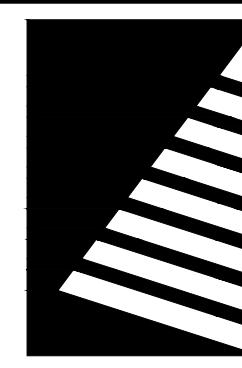
REVIEWED: WRK

SHEET TITLE:
VFD SITE

SHEET NUMBER:

C5.1

4ES1.0
PROJECT NO.: 0210007.00



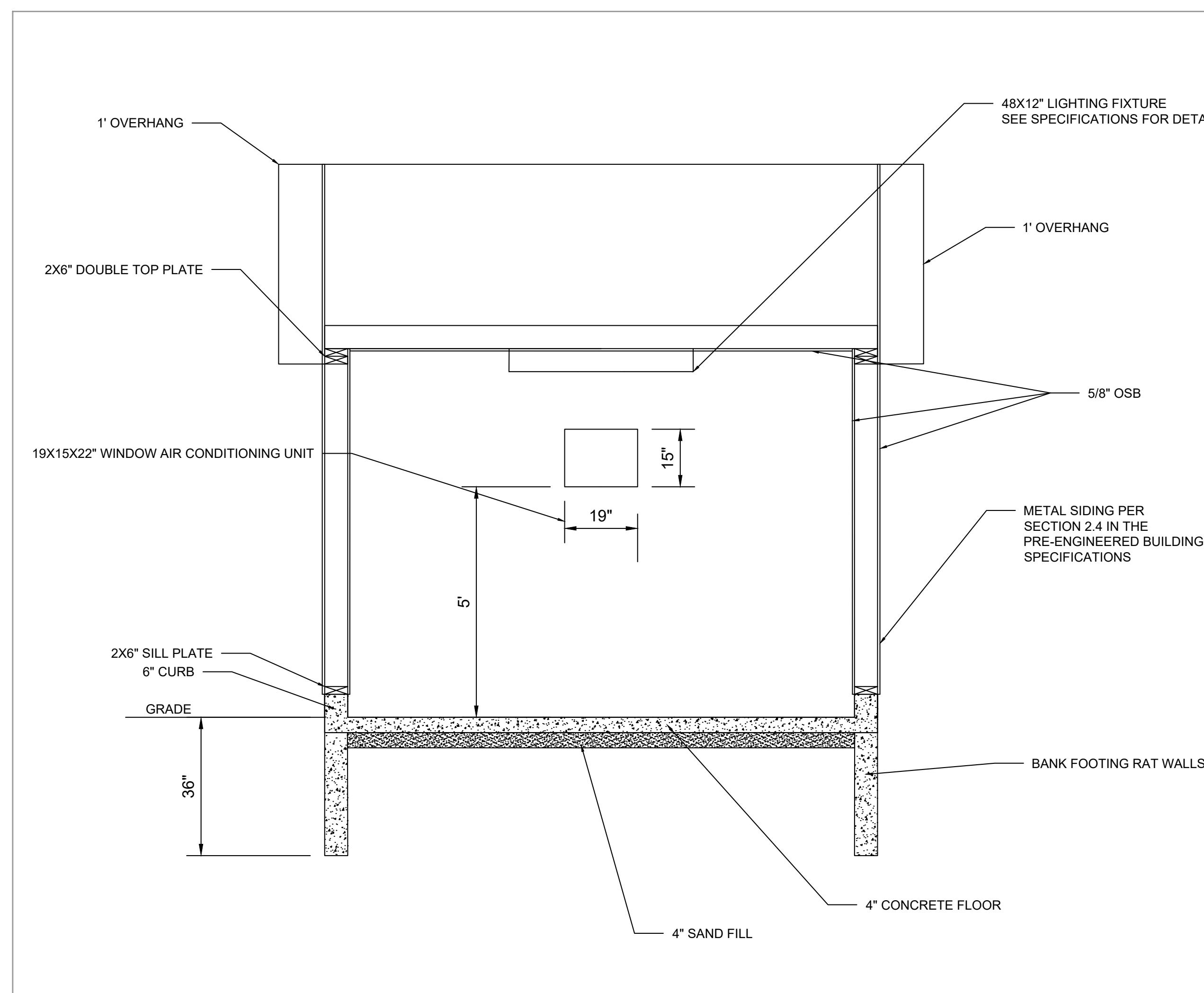
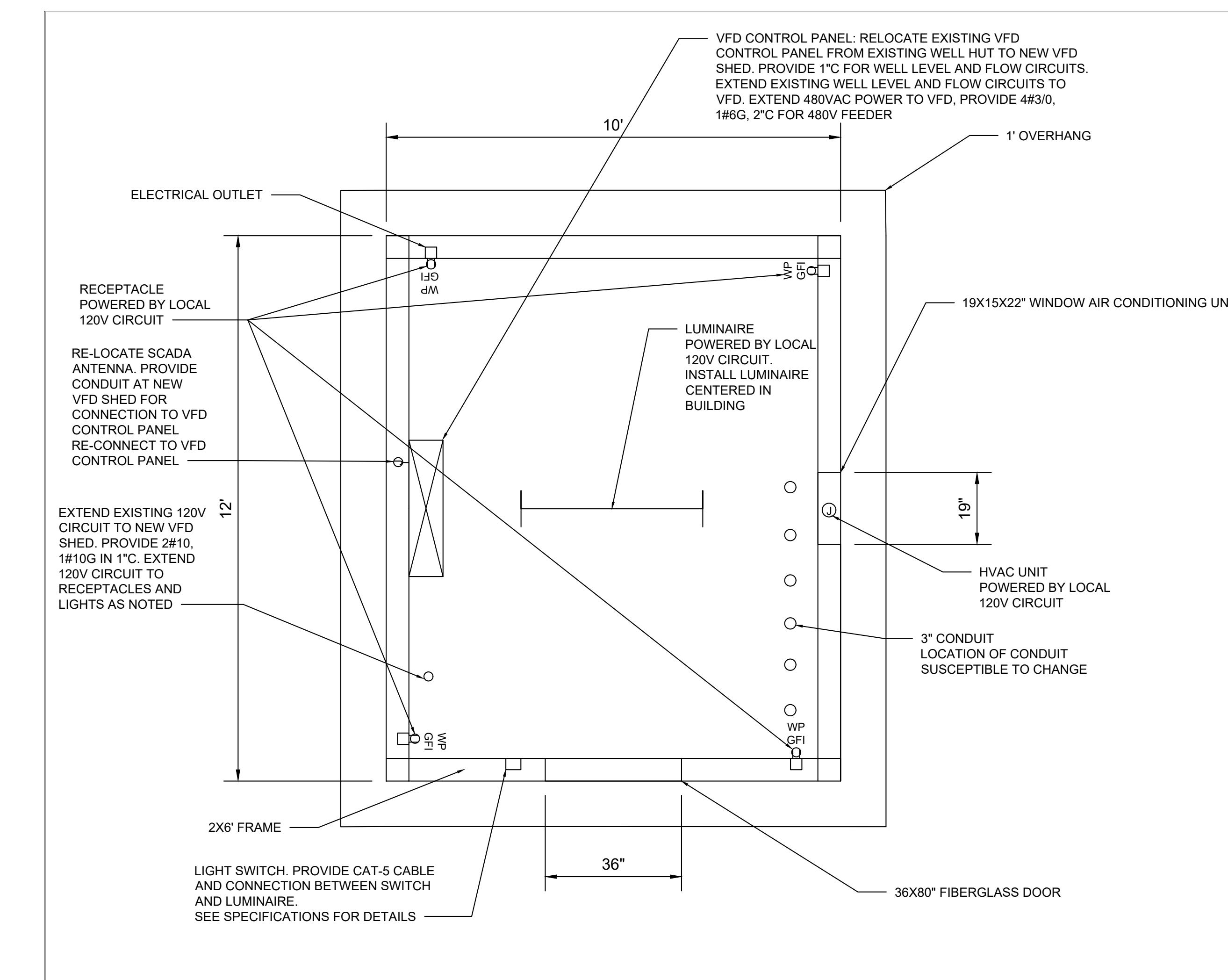
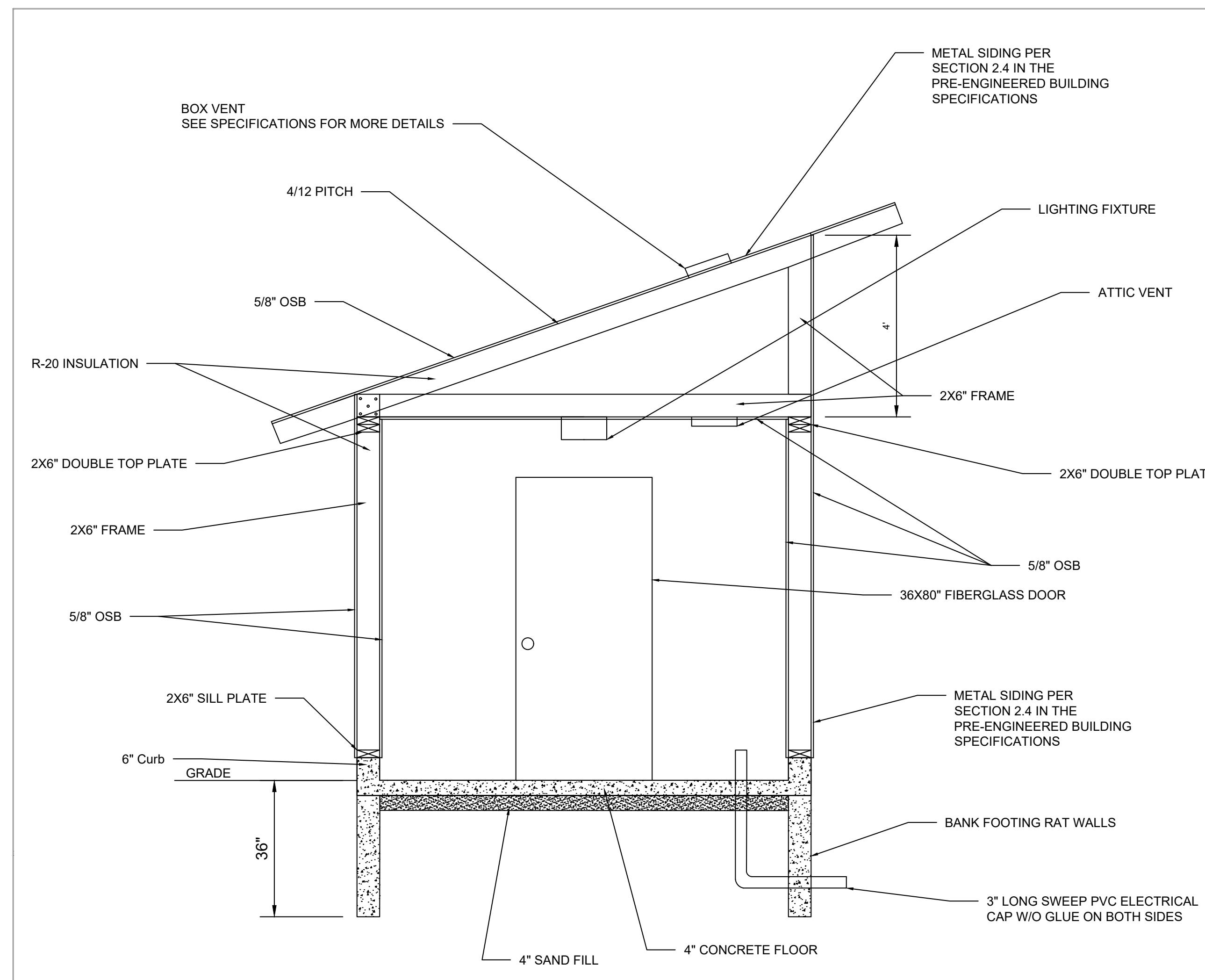
Farnsworth GROUP

400 WEST JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 531-1253 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: _____
DATE: DESCRIPTION: _____
1 08/18/2021 BASIS OF DESIGN REVIEW

- 1 08/16/2021 BASIS OF DESIGN REVIEW
- 2 10/21/2021 SITE UPDATE
- 3 01/05/2026 ADDENDUM #2



SPECIFICATIONS

1. FOUNDATION:
 - A. BANK FOOTINGS WILL BE POURED 3' BELOW FINISH GRADE.
 - B. A 10X12' CONCRETE FLOOR 4" THICK WILL BE POURED ON TOP OF A 4" SAND SUB BASE.
 - C. 6" CONCRETE CURBS WILL BE POURED IN ADDITION TO THE CONCRETE FLOOR FOR THE FRAME OF THE BUILDING TO BE BUILT ON.
 - D. SIX 3" CONDUITS WILL BE RAN THROUGH THE FOOTINGS AND UP THROUGH THE FLOORS OF THE BUILDING. LOCATION OF CONDUIT WILL BE SUSCEPTIBLE TO CHANGE BASED ON LOCATION OF THE SHED RELATIVE TO THE WELLS.
2. WALL FRAMING:
 - A. USE 2X6" WALL STUDS SPACED 16" ON-CENTER FOR THE FRAMING OF THE BUILDING.
 - B. A SINGLE 2X6" SILL PLATE WILL BE USED ON THE BOTTOM FRAMEWORK.
 - C. A DOUBLE 2X6' PLATE WILL BE USED AT THE TOP OF THE FRAMEWORK.
 - D. INTERIOR WALLS WILL BE 8' HIGH.
 - E. FRAMEWORK AROUND THE WINDOW WILL BE REINFORCED WITH A DOUBLE SET OF 2X6" TREATED WOOD FOR EXTRA DURABILITY.
3. WALL MATERIALS:
 - A. R-20 INSULATION WILL BE USED BETWEEN THE FRAMEWORK OF THE WALLS.
 - B. 5/8" OSB SHEETS WILL BE USED FOR THE INTERIOR WALLS OF THE BUILDING.
 - C. STANDARD 1X4 LUMBER CAN BE USED FOR THE TRIM AT CORNERS AND AROUND ALL OPENINGS.
 - D. 5/8" OSB WILL BE USED FOR THE EXTERIOR WALLS OF THE BUILDING AS WELL.
 - E. HOUSE WRAP WILL THEN BE INSTALLED AROUND THE EXTERIOR OF THE BUILDING TO ACT AS A MOISTURE BARRIER.
 - F. A METAL MATERIAL WILL BE USED AS THE SIDING MATERIAL OF THE BUILDING PER SECTION 2.4 IN THE PRE-ENGINEERED BUILDING SPECIFICATIONS.
 - G. DOOR SHOULD BE A 36X80" FIBERGLASS DOOR.
4. ROOF:
 - A. A SINGLE 4/12' PITCH WILL BE BUILT. RAFTERS WILL INCLUDE 2X6" RAFTERS SPACED 24" ON-CENTER.
 - B. A BOX VENT WILL BE INSTALLED ON THE ROOF TO HELP WITH AIR VENTILATION.
 - C. 5/8" OSB WILL BE INSTALLED FOR THE SHEATHING AND THEN HOUSE WRAP WILL BE LAID DOWN ACROSS THE OSB.
 - D. A METAL MATERIAL (TUFF-RIB) WILL BE USED AS THE EXTERIOR ROOFING MATERIAL PER SECTION 2.2 IN THE PRE-ENGINEERED BUILDING SPECIFICATIONS.
 - E. A 1 FOOT OVERHANG ON ALL SIDES OF THE BUILDING WILL HELP PROTECT THE EXTERIOR WALLS FROM THE ELEMENTS.
5. ELECTRICAL:
 - A. A COMBINATION SWITCH WILL BE INSTALLED NEAR THE DOORWAY AND IT WILL CONTROL THE LIGHTING FIXTURE AND THE ATTIC VENT SEPARATELY. THE SWITCH SHOULD BE 48" ABOVE THE FINISHED FLOOR.
 - B. PROVIDE LITHONIA LIGHT FIXTURE: CSS L48 7000LM MVOLT MIN10 ZT 35K 80CRI NLIGHT PIR ZACVH M100.
 - C. THE ATTIC VENT WILL BE A BROAN ROOMSIDE SERIES 110 CFM CEILING EXHAUST BATH FAN. MODEL NO: AR110.
 - D. THE ROOF BOX VENT WILL BE AN AIR VENT BLACK STEEL FILTERED SLANT BACK STATIC ROOF VENT. MODEL NUMBER: RVG55FBL.
 - E. ALL ELECTRICAL WIRING WILL BE RAN IN THE FRAMING BEHIND THE OSB.
 - F. 40 AMP BREAKER BOX WITH 10 SLOTS WILL BE INSTALLED TO ACCOMMODATE THE NEEDS OF THE BUILDING.
 - G. OUTLETS WILL BE INSTALLED AT ALL 4 INTERIOR CORNERS OF THE BUILDING 18" OFF THE FINISHED FLOOR.
6. AC WINDOW UNIT
 - A. THE FRIGIDAIRE MODEL NO. H-9288 WILL BE USED FOR THE AC WINDOW UNIT. THE DIMENSIONS FOR THE WINDOW UNIT ARE 19X15X22". A DOUBLE REINFORCED 2X6" FRAME WILL BE USED TO HELP SUPPORT THE WINDOW UNIT.
 - B. THE BOTTOM OF THE WINDOW SILL WILL BE 5' OFF OF THE FINISHED FLOOR.

PROJECT:

Water Treatment Plant and Campus

10711 N. State Highway 1
Robinson, IL 62454

DATE: 11/14/2025

DESIGNED: MDD

DRAWN: MDD

REVIEWED: #####

FIELD DECORATION www.
[REDACTED]

#####

1. *What is the primary purpose of the study?* (e.g., to evaluate the effectiveness of a new treatment, to describe a population, to compare two groups).

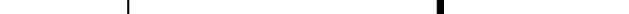
10.1002/anie.201907002

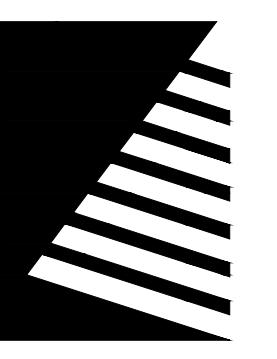
— 1 —

1. **C**

#####

PROJECT NO.: 0210007.00

C5.2  **C1**
#####



Farnsworth
GROUP

400 WEST JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 531-1253 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
1 08/18/2021 BASIS OF DESIGN REVIEW
2 10/21/2021 SITE UPDATE
3 01/05/2026 ADDENDUM #2

BID SET

PROJECT:
Robinson-Palestine Water
Commission

Water Treatment Plant and Campus

10711 N. State Highway 1
Robinson, IL 62454

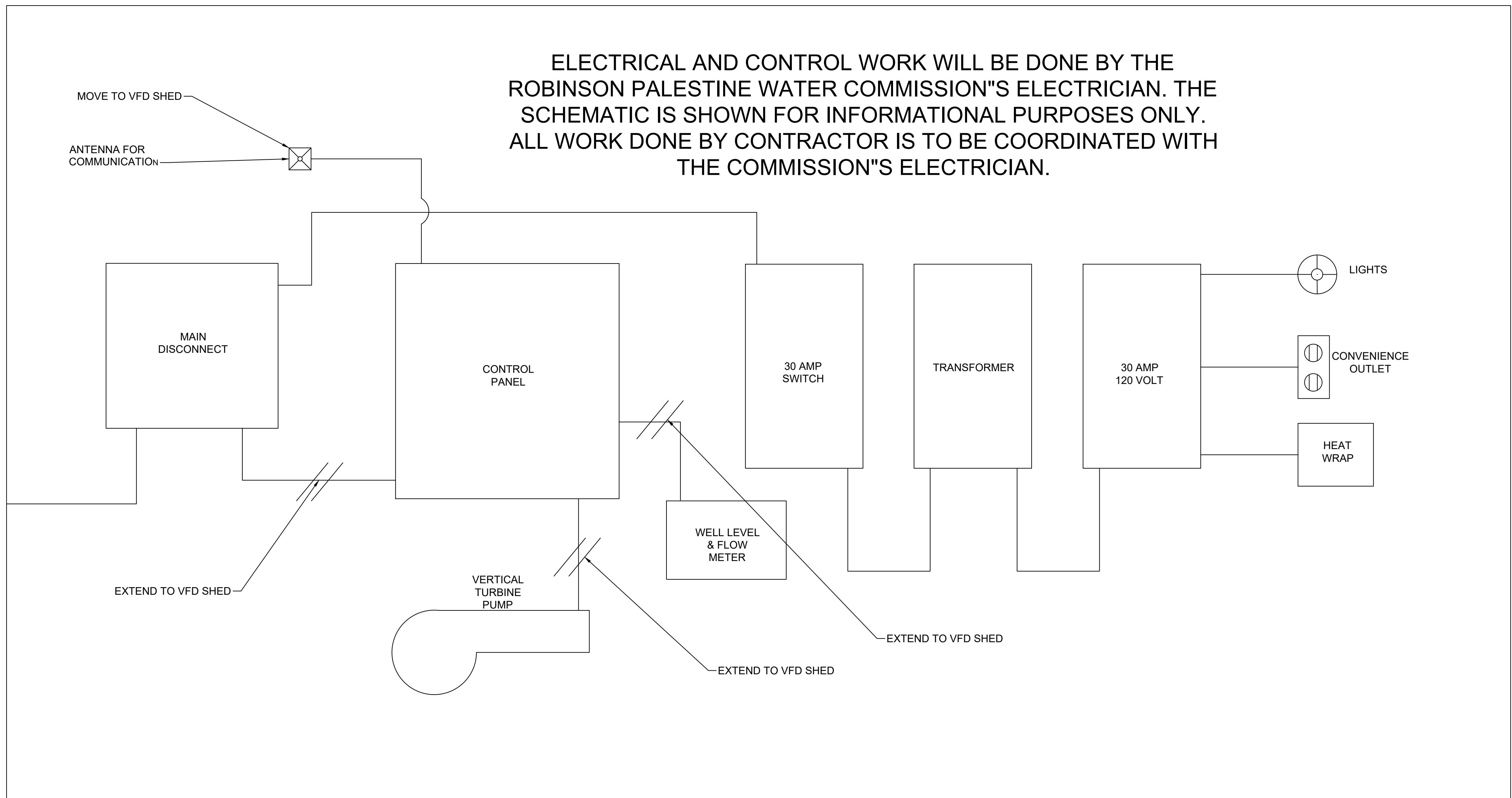
DATE: 11/14/2025
DESIGNED: MDD
DRAWN: MDD
REVIEWED: MDD
FIELD BOOK NO.: #####

HEET TITLE:
#####

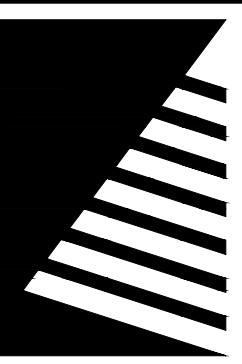
HEET NUMBER:
#####

C2
####

PROJECT NO.: 0210007.00



C5.3



Farnsworth
GROUP

400 WEST JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 531-1253 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:
1 08/18/2021 BASIS OF DESIGN REVIEW
2 10/21/2021 SITE UPDATE
3 01/05/2026 ADDENDUM #2



C5.1

EXISTING WELL LOCATIONS

SCALE: 1"=40"

BID SET

PROJECT:
Robinson-Palestine Water
Commission

**Water Treatment Plant
and Campus**

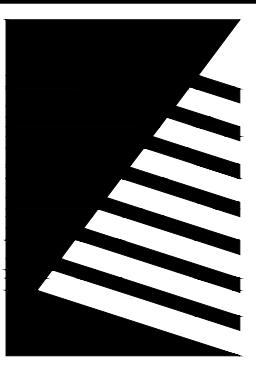
10711 N. State Highway 1
Robinson, IL 62454

DATE: 11/14/2025
DESIGNED: MHS
DRAWN: MHS
REVIEWED: ACH
FIELD BOOK NO.:
SHEET TITLE:

**EXISTING WELL
LOCATIONS**

SHEET NUMBER:

PROJECT NO.: 0210007.00

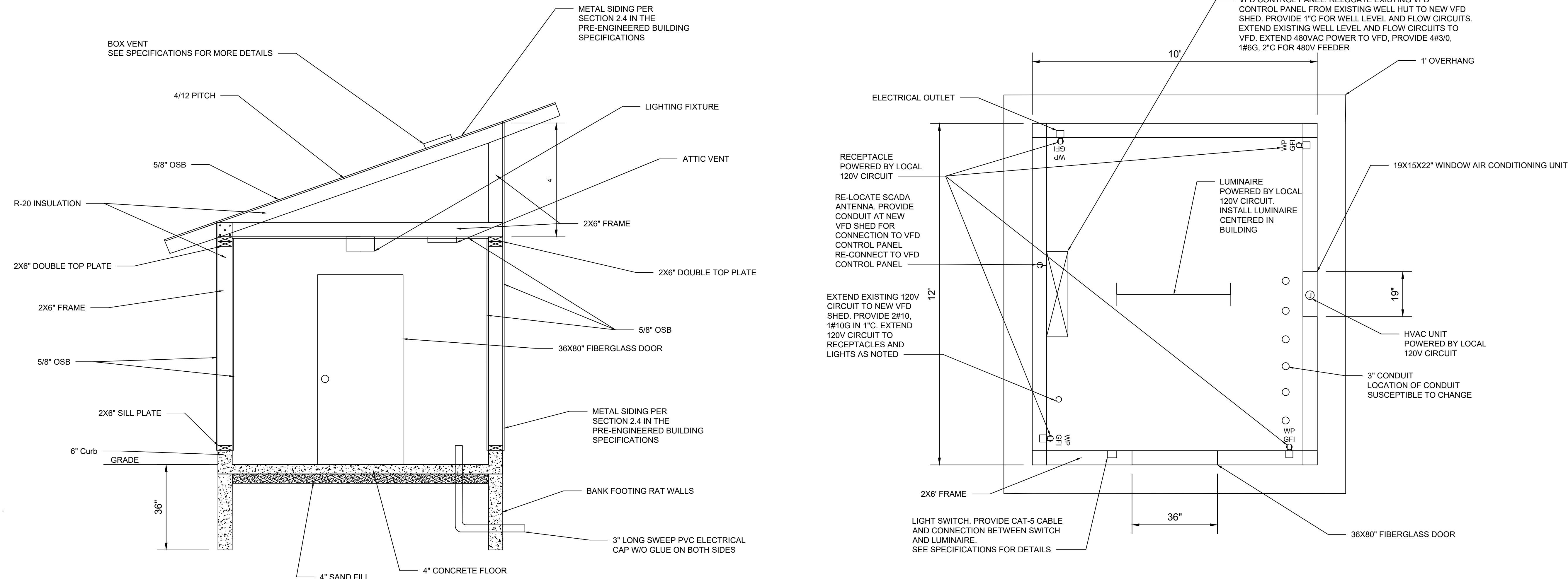


Farnsworth GROUP

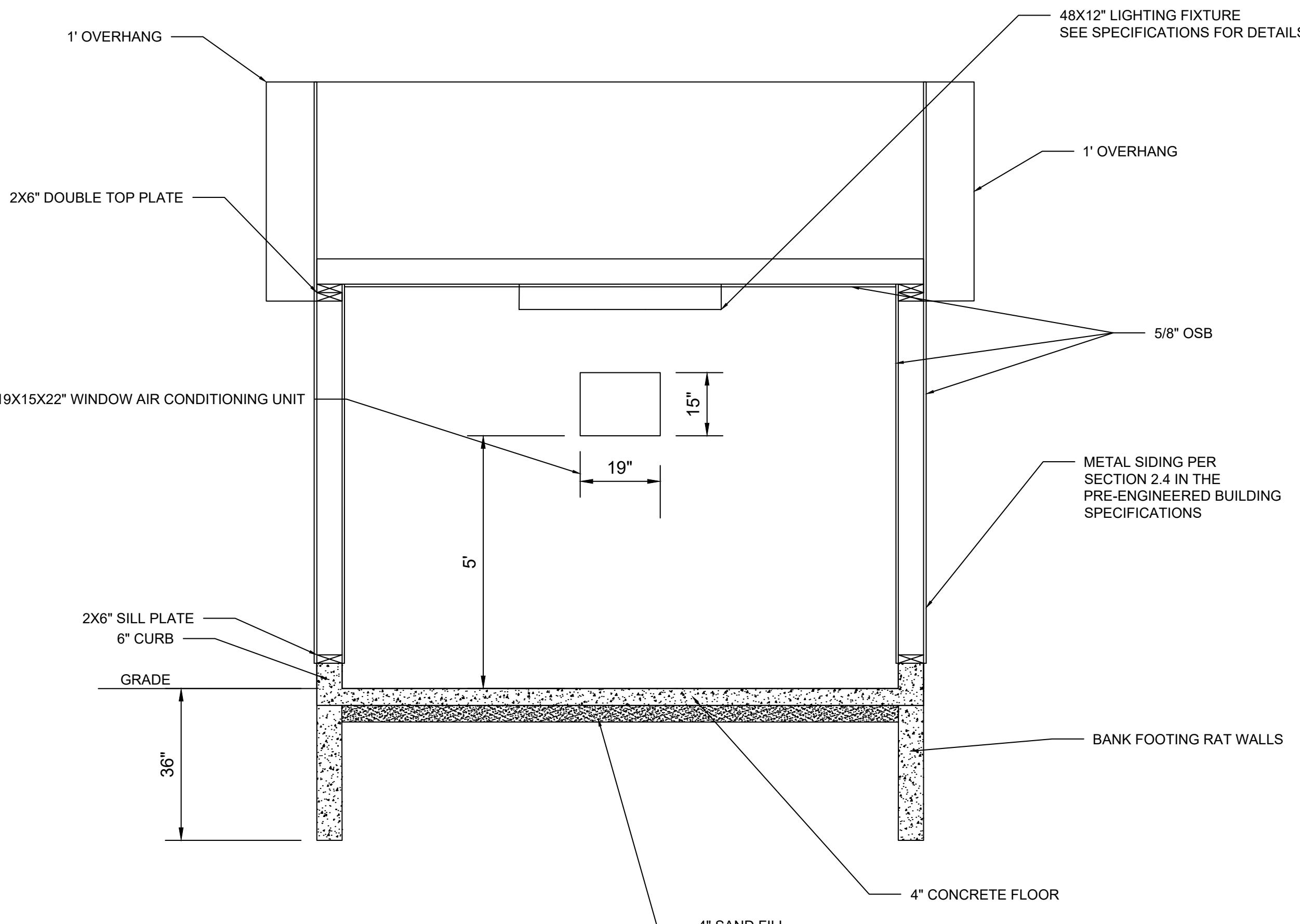
400 WEST JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 531-1253 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE DESCRIPTION:
1 08/18/2021 BASIS OF DESIGN REVIEW
2 10/21/2021 SITE UPDATE
3 01/05/2026 APPENDIX #2



SPECIFICATIONS



VFD SHED DETAILS

SCALE: NTS

1. FOUNDATION:
 - A. BANK FOOTINGS WILL BE POURED 3' BELOW FINISH GRADE.
 - B. A 10X12' CONCRETE FLOOR 4" THICK WILL BE POURED ON TOP OF A 4" SAND SUB BASE.
 - C. 6" CONCRETE CURBS WILL BE POURED IN ADDITION TO THE CONCRETE FLOOR FOR THE FRAME OF THE BUILDING TO BE BUILT ON.
 - D. SIX 3" CONDUITS WILL BE RAN THROUGH THE FOOTINGS AND UP THROUGH THE FLOORS OF THE BUILDING. LOCATION OF CONDUIT WILL BE SUSCEPTIBLE TO CHANGE BASED ON LOCATION OF THE SHED RELATIVE TO THE WELLS.
2. WALL FRAMING:
 - A. USE 2X6" WALL STUDS SPACED 16" ON-CENTER FOR THE FRAMING OF THE BUILDING.
 - B. A SINGLE 2X6" SILL PLATE WILL BE USED ON THE BOTTOM FRAMEWORK.
 - C. A DOUBLE 2X6' PLATE WILL BE USED AT THE TOP OF THE FRAMEWORK.
 - D. INTERIOR WALLS WILL BE 8' HIGH.
 - E. FRAMEWORK AROUND THE WINDOW WILL BE REINFORCED WITH A DOUBLE SET OF 2X6" TREATED WOOD FOR EXTRA DURABILITY.
3. WALL MATERIALS:
 - A. R-20 INSULATION WILL BE USED BETWEEN THE FRAMEWORK OF THE WALLS.
 - B. 5/8" OSB SHEETS WILL BE USED FOR THE INTERIOR WALLS OF THE BUILDING.
 - C. STANDARD 1X4 LUMBER CAN BE USED FOR THE TRIM AT CORNERS AND AROUND ALL OPENINGS.
 - D. 5/8" OSB WILL BE USED FOR THE EXTERIOR WALLS OF THE BUILDING AS WELL.
 - E. HOUSE WRAP WILL THEN BE INSTALLED AROUND THE EXTERIOR OF THE BUILDING TO ACT AS A MOISTURE BARRIER.
 - F. A METAL MATERIAL WILL BE USED AS THE SIDING MATERIAL OF THE BUILDING PER SECTION 2.4 IN THE PRE-ENGINEERED BUILDING SPECIFICATIONS.
 - G. DOOR SHOULD BE A 36X80" FIBERGLASS DOOR.
4. ROOF:
 - A. A SINGLE 4/12' PITCH WILL BE BUILT. RAFTERS WILL INCLUDE 2X6" RAFTERS SPACED 24" ON-CENTER.
 - B. A BOX VENT WILL BE INSTALLED ON THE ROOF TO HELP WITH AIR VENTILATION.
 - C. 5/8" OSB WILL BE INSTALLED FOR THE SHEATHING AND THEN HOUSE WRAP WILL BE LAID DOWN ACROSS THE OSB.
 - D. A METAL MATERIAL (TUFF-RIB) WILL BE USED AS THE EXTERIOR ROOFING MATERIAL PER SECTION 2.2 IN THE PRE-ENGINEERED BUILDING SPECIFICATIONS.
 - E. A 1 FOOT OVERHANG ON ALL SIDES OF THE BUILDING WILL HELP PROTECT THE EXTERIOR WALLS FROM THE ELEMENTS.
5. ELECTRICAL:
 - A. A COMBINATION SWITCH WILL BE INSTALLED NEAR THE DOORWAY AND IT WILL CONTROL THE LIGHTING FIXTURE AND THE ATTIC VENT SEPARATELY. THE SWITCH SHOULD BE 48" ABOVE THE FINISHED FLOOR.
 - B. PROVIDE LITHONIA LIGHT FIXTURE: CSS L48 7000LM MVOLT MIN10 ZT 35K 80CRI NLIGHT PIR ZACVH M100.
 - C. THE ATTIC VENT WILL BE A BROAN ROOMSIDE SERIES 110 CFM CEILING EXHAUST BATH FAN. MODEL NO: AR110.
 - D. THE ROOF BOX VENT WILL BE AN AIR VENT BLACK STEEL FILTERED SLANT BACK STATIC ROOF VENT. MODEL NUMBER: RVG55FBL.
 - E. ALL ELECTRICAL WIRING WILL BE RAN IN THE FRAMING BEHIND THE OSB.
 - F. 40 AMP BREAKER BOX WITH 10 SLOTS WILL BE INSTALLED TO ACCOMMODATE THE NEEDS OF THE BUILDING.
 - G. OUTLETS WILL BE INSTALLED AT ALL 4 INTERIOR CORNERS OF THE BUILDING 18" OFF THE FINISHED FLOOR.
6. AC WINDOW UNIT
 - A. THE FRIGIDAIRE MODEL NO. H-9288 WILL BE USED FOR THE AC WINDOW UNIT. THE DIMENSIONS FOR THE WINDOW UNIT ARE 19X15X22". A DOUBLE REINFORCED 2X6" FRAME WILL BE USED TO HELP SUPPORT THE WINDOW UNIT.
 - B. THE BOTTOM OF THE WINDOW SILL WILL BE 5' OFF OF THE FINISHED FLOOR.

10711 N. State Highway 1
Robinson, IL 62454

DATE: 11/14/2025

DESIGNED: MDD

DRAWN: **MDD**

REVIEWED: ACH

I NEED BOOK NOW...

SHEET TITLE:

VFD SHED DETAILS 1

253

C5.2

PROJECT NO.: 0210007.00



Farnsworth GROUP

100 WEST JEFFERSON, SUITE A
FTINGHAM, ILLINOIS 62401
(17) 531-1253 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

JE: DATE: DESCRIPTION:
08/18/2021 BASIS OF DESIGN REVIEW
10/21/2021 SITE UPDATE
01/05/2026 ADDENDUM #2

BID SET

JECT:
obinson-Palestine Water
ommission

Water Treatment Plant and Campus

711 N. State Highway 1
Robinson, IL 62454

DATE: 11/14/2025

DESIGNED: MDD

DRAWN: MDD

REVIEWED: ACH

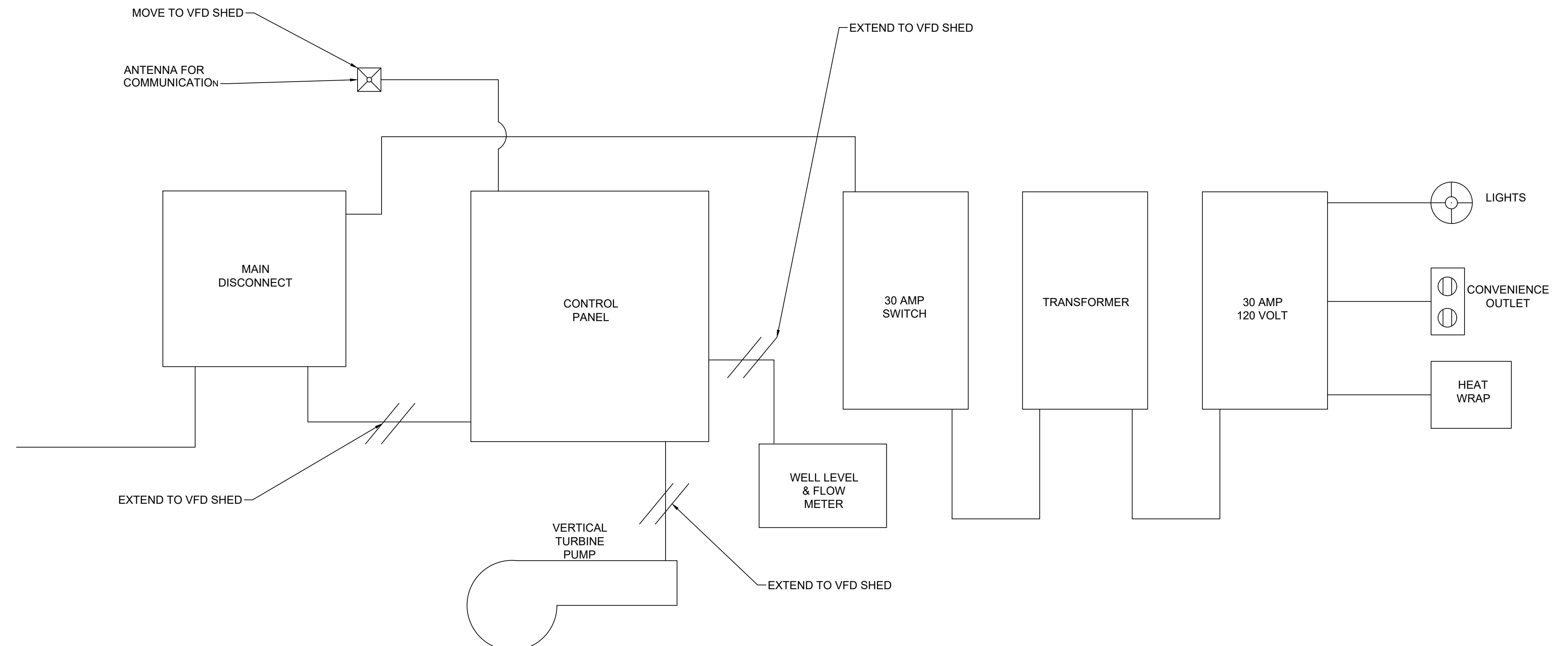
FILED BOOK NO.: -

WFD SHED DETAILS 2

NOTE:
ELECTRICAL AND CONTROL WORK WILL BE DONE BY THE ROBINSON PALESTINE WATER COMMISSION'S ELECTRICIAN. THE SCHEMATIC IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. ALL WORK DONE BY CONTRACTOR IS TO BE COORDINATED WITH THE COMMISSION'S ELECTRICIAN

STREET NUMBER:

C5.3



ssanjū | j:\2021\0210007.00 - RPWC Route 1 Water Treatment Plant\04_Drawings\DWG\0210007.00 VFD Sheds.dwg | 1/12/2026 4:30 PM |

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.

Project No. 0210007.00

Water Treatment Plant and Campus

Division A: Water Treatment Plant and Campus

Division B: Ground Storage Tanks

Division C: Underground Piping

ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to: **Robinson-Palestine Water Commission**

ATTN: Jason Wesner

108 E. Poplar

Robinson, IL 62454

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— BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 30 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

1. Contractor must review the following table and initial next to each item to show the Contractor understands the specific requirements and what is expected. **Failure to initial next to each item may result in rejection of bid.**

| # | ITEM | INTITALS |
|----|---|----------|
| 1. | Installation of the utilities shall be the Contractors responsibility to locate or have located all utilities being crossed, connected to, or otherwise impacted. It shall be required to locate these utilities regardless of the installation method utilized for the proposed utilities. Utilities crossed by Horizontal Directional Drilling shall also be located and <u>exposed</u> by the Contractor. <u>It shall be the Contractor's responsibility to repair any damaged utility and for any damage to property, private or public associated with damaged utilities, during the installation of the water main.</u> | |
| 2. | All bidders to undertake specified efforts at least sixteen (16) days <u>prior to bid opening</u> for advertisement regarding DBE's. Certificate of publication of said advertisement must be included in bidding documents. Advertisement <u>MUST</u> be in <u>DAILY</u> regional newspaper, Dodge Report, or approved equivalent. | |
| 3. | Bidding Contractor shall provide written acknowledgement that they will self-perform a minimum of thirty percent (30%) of all labor (manhours) on this project. | |

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

3.01 *Unit Price Bids*

3.02 *Lump Sum Bids*

A. Bidder will complete the Work in accordance with the Contract Documents for the following lump sum (stipulated) price(s)

BASE BID

Division A: Water Treatment Plant and Campus

Division A includes a new 1,800 gallon per minute filtration and Per- and Polyfluoroalkyl (PFAS)removal water treatment plant with related site improvements and accessories; sitework, concrete and gravel paving, seeding, associated pumps, piping, valves, meters, structures, head tank, chemical storage, feed equipment, electrical work, plumbing, HVAC, instrumentation and controls, radio telemetry, and related accessories and appurtenances as specified and shown on the plan drawings. Electrical work includes outside conduits, feeders, and light poles. The work shall include all labor, supervision, materials, supplies, transportation, equipment, and services necessary and required to perform the project as set forth in the Contract Documents. Buildings include the office building with maintenance shop area, cold storage, and water treatment plant. Division A includes all work not defined in Division B and C.

Division A Supplemental Bid #1:

Gas Service Lump Sum Total: \$100,000

Division A Supplemental Bid #2:

Electrical Service Lump Sum Total: \$150,000

Division A Base Bid Total: _____

Division A Lump Sum Total: _____ **(**\$**)**

Division B: Ground Storage Tanks

Division B includes two (2) one million gallons (1,000,000 gallons) ground storage tanks. Work includes site grading, earthwork, foundation, steel erection, and coating. Foundation/concrete work to include valve vault, valve(s), and piping extend outside of the vault or foundation shall be included. Electrical conduits, conductors, and pressure sensors are not included in the contract.

Division B Lump Sum Total: _____ **(**\$**)**

Division C: Underground Piping

Division C includes all underground water main, water services, sanitary sewer, and storm sewer within 5' of the building/structure or foundation. In addition to the water main, all manhole structures (excluding the head tank) shall be included. Fire hydrants to flush the head tank shall be included in Division C work. This work includes the conversion of the raw water main to finish water main. This will require multiple mobilization to connect, disconnect, tap and plug the water mains.

Division C Lump Sum Total: _____ (\$ _____)

ALTERNATE BID

PROCESS EQUIPMENT MANUFACTURER ALTERNATIVE

Voluntary Alternative Bid to substitute Westech from Salt Lake City, UT as the Process Equipment Manufacturer in lieu of Tonka Water equipment as provided in the Base Bid inclusive of forced draft aerator, vertical pressure filters, and ion exchange vessels (softeners and organics removal units). Per the specifications, the process equipment manufacturer shall provide the process equipment and all appurtenances described in the specifications including, but not limited to; face piping, valves, controls and related appurtenances. Alternative shall indicate if Process Equipment Manufacturer Alternative is an Increase (+) or Decrease (-) from the Base Bid. If bidder elects not to submit pricing for the voluntary process equipment manufacturer alternate, bidder shall indicate Not Applicable on bid lines below.

Process Equipment Manufacturer Alternative (WesTech):

_____ (\$ _____)

Total Base Bid (Division A, B, & C) Plus Equipment Manufacturer Alternative

_____ (\$ _____)

The Bidder shall provide a list of Subcontractors, Suppliers, individuals or entities for the various subcontract portions of work and major equipment items as specified:

| Subcontract or Equipment Specification Section | General Description | Subcontractor, Supplier, individual, or entities |
|---|--|---|
| Site Civil Subcontract | General site work, excavation, earthwork, seeding, etc. | |
| Building Subcontract | Building Construction | |
| | Roofing Construction | |
| Concrete Subcontract | Cast-in-place concrete construction including foundations, access roads and driveways, etc. | |
| Mechanical Subcontract | Piping inside and outside buildings and structures, underground and exposed piping, plumbing equipment, accessories, process piping, piping insulation, etc. | |
| HVAC Subcontract | Heating and ventilating system, air conditioning, temperature control system for WTP building | |
| Electrical Subcontract | Electric power distribution, lighting, control wiring and conduits | |
| Painting Subcontract | Building and Equipment to be painted on site | |
| Instrumentation & Controls Subcontract | Panel Fabricator (MCP and LCPs) | |
| | Radio System Supplier | |
| | Network Consultant | |

ARTICLE 4—BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. 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;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - “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;
 - “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; and
 - “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.

4.02 BIDDER certifies that wages paid in connection with the PROJECT shall be paid at prevailing rates not less than those prevailing under the Davis-Bacon Wage Act (40 USC 3141 through 3148) as defined by the Department of Labor. Bidder further certifies that the provisions contained in the following clauses will be exercised in the performance of any contract resulting from this BID and are made a part of the CONTRACT DOCUMENTS thereto by their inclusion in the BID as follows:

4. “Minimum wages.

- i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in

§ 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

Sub recipients may obtain wage determinations from the U.S. Department of Labor's web site, www.sam.gov.

- ii) (A) The sub recipient, on behalf of USEPA, shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The USEPA award official shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
 - 5. The work to be performed by the classification requested is not performed by a classification in the wage determination; and
 - 3. The classification is utilized in the area by the construction industry; and
 - 4. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- B. If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the sub recipient agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the sub recipient to IEPA. IEPA will transmit the report, to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify or disapprove every additional classification action within 30 days of receipt and will so advise IEPA or will notify IEPA within the 30- day period that additional time is necessary.
- C. In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the sub recipient do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the award official shall refer the questions, including the views of all interested parties and the recommendation of the award official, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- D. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in

the classification under this contract from the first day on which work is performed in the classification.

- iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
 - i) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.
- 2. Withholding, the sub recipient shall upon written request of the USEPA Award Official or an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.
- 3. Payrolls and basic records.
 - i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or

program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

- E. The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the sub recipient, that is, the entity that receives the sub-grant or loan from IEPA. Such documentation shall be available on request of IEPA or USEPA. As to each payroll copy received, the sub recipient shall provide written confirmation indicating whether or not the project is in compliance with the requirements of 29 CFR 5.5(a)(1) based on the most recent payroll copies for the specified week. The payrolls shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on the weekly payrolls. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/whd/forms/index.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the sub recipient for transmission to IEPA or USEPA, if requested, for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sub recipient.
- F. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
 1. That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR Part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR Part 5, and that such information is correct and complete
 2. That each laborer and mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR Part 3;
 3. That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

- G. The weekly submission of a properly executed certification set forth on the reverse side of optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.
- H. The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
 - iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of IEPA, USEPA or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency or IEPA may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees –

- i) Apprentices. Apprentices will be permitted to work at less than predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less

than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.
- iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal

employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.
6. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the USEPA determines may be appropriate, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.
7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.
9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and sub recipients, IEPA, USEPA, the U.S. Department of Labor, or the employees or their representatives.
10. Certification of eligibility.
 - i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
 - ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
 - iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.
11. Contract Provision for Contracts in Excess of \$100,000
 - b. Contract Work Hours and Safety Standards Act. The sub recipient shall insert the following clauses set forth in paragraphs (a)(1), (2), (3), and (4) of the section in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by Item 3, above or 29 CFF 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

12. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
13. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefore shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clauses set forth in paragraph (b)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.
14. Withholding for unpaid wages and liquidated damages. The sub recipient, upon written request of the USEPA Award Official or an authorized representative of the Department of Labor, shall withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.
15. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.
 - b. In addition to the clauses contained in Item 3, above, in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in 29 CFR 5.1, the Sub recipient shall insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Sub recipient shall insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the IEPA, USEPA and the Department of Labor, and the

contractor or subcontractor will permit such representatives to interview employees during working hours on the job

16. Compliance Verification

- a. The sub recipient shall periodically interview a sufficient number of employees entitled to DB prevailing wages (covered employees) to verify that contractors or subcontractors are paying the appropriate wage rates. As provided in 29 CFR 5.6(a)(6), all interviews must be conducted in confidence. The sub recipient must use Standard Form 1445 or equivalent documentation to memorialize the interviews. Copies of the SF 1445 are available from USEPA on request.
- b. The sub recipient shall establish and follow an interview schedule based on its assessment of the risks of noncompliance with DB posed by contractors or subcontractors and the duration of the contract or subcontract. At a minimum, the sub recipient must conduct interviews with a representative group of covered employees within two weeks of each contractor or subcontractor's submission of its initial weekly payroll data and two weeks prior to the estimated completion date for the contract or subcontract. Sub recipients must conduct more frequent interviews if the initial interviews or other information indicates that there is a risk that the contractor or subcontractor is not complying with DB. Sub recipients shall immediately conduct necessary interviews in response to an alleged violation of the prevailing wage requirements. All interviews shall be conducted in confidence.
- c. The sub recipient shall periodically conduct spot checks of a representative sample of weekly payroll data to verify that contractors and subcontractors are paying the appropriate wage rates. The sub recipient shall establish and follow a spot check schedule based on its assessment of the risks of noncompliance with DB posed by contractors or subcontractors and the duration of the contract or subcontract. At a minimum, the sub recipient must spot check payroll data within two weeks of each contractor or subcontractor's submission of its initial payroll data and two weeks prior to the completion date the contract or subcontract. Sub recipients must conduct more frequent spot checks if the initial spot check or other information indicates that there is a risk that the contractor or subcontractor is not complying with DB. In addition, during the examinations the sub recipient shall verify evidence of fringe benefit plans and payments thereunder by contractors and subcontractors who claim credit for fringe benefit contributions.
- d. The sub recipient shall periodically review contractors and subcontractors use of apprentices and trainees to verify registration and certification with respect to apprenticeship and training programs approved by either the U.S. Department of Labor or a state, as appropriate, and that contractors and subcontractors are not using disproportionate numbers of, laborers, trainees and apprentices. These reviews shall be conducted in accordance with the schedules for spot checks and interviews described in Item 5(b) and (c) above.
- e. Subrecipients must immediately report potential violations of the DB prevailing wage requirements to the USEPA DB contact listed above and to the appropriated DOL Wage and Hour District Office listed at <http://www.dol.gov/whd>.

4.03 By submission of the bid, each bidder certifies, and in the case of a joint bid each party thereto certifies as to his own organization, that in connection with the bid:

- A. The prices in the bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- B. Unless otherwise required by law, the prices which have been quoted in the bid have not knowingly been disclosed by the bidder, prior to opening, directly or indirectly to any other bidder or to any competitor; and
- C. No attempt has been made or will be made by the bidder to induce any other person or firm to submit or withhold a bid for the purpose of restricting competition.

4.04 Each person signing the bid shall certify that:

- A. He is the person in the bidder's organization responsible within that organization for the decision as to the prices being bid and that he has not participated, and will not participate, in any action contrary to 4.03.A through 4.03.C above; or
- B. He is not the person in the bidder's organization responsible within that organization for the decision as to the prices being bid but that he has been authorized to act as agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to 4.03.A through 4.03.C above, and as their agent shall so certify; and shall also certify that he has not participated, and will not participate, in any action contrary to 4.03.A through 4.03.C above

ARTICLE 5— ATTACHMENTS TO THIS BID

5.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security in the form of a 5% Bid Bond;
- B. List of Proposed Subcontractors, Suppliers, individuals or entities proposed for the work as required above and referenced in Article 7.06 of the Supplementary Conditions;
- C. Required Signed and Executed Equipment Manufacturer Program Certification, page 000640-1
- D. Required Bidder Qualification Statement with supporting data
- E. Bidding Contractor shall provide written acknowledgement that they will self-perform a minimum of thirty percent (30%) of all labor (manhours) on this project;
- F. List of Project References including specific contact names, valid and working contact phone number and e-mail address. References will be contacted for the low bidders as deemed appropriate by the Engineer;
- G. Bidder Certification in Compliance with Article 33E to the "Criminal Code of 2012", page 0650-21;
- H. Certification of Non-Segregated Facilities, page 0650-13;

- I. Notice to Labor Unions or Other Organization of Workers Nondiscrimination in Employment, submit one for each labor union that Contractor has contracts with, page 0650-14;
- J. Certification Regarding Debarment, page 0650-15;
- K. Requirements for Disadvantaged Business Enterprise Participation, pages 0675-1 to 0675-09;
- L. Bidder Certification for Advertisement Regarding Subcontracting Opportunities for Disadvantaged Businesses, page 0675-5 to 0675-8;
- M. Bidder Certification Regarding the Use of American Iron and Steel Products, page 0680-1;
- N. Evidence of authority to do business in the State of Illinois; Contractor shall submit a Certificate of Good Standing from the Illinois Secretary of State website. <http://www.ilsos.gov/corporatellc/>;
- O. ~~Required Bidder Qualification Statement with supporting data;~~
- P. Written acknowledgment of Illinois Compiled Statutes, 1992, ACT 570 Employment of Illinois Workers on Public Works Act;
- Q. Written acknowledgement of Illinois Public Act 93-0642, which amends the Illinois Procurement Code;
- R. Certification of Employment of Illinois Workers on Public Works Act, page 0685-1;
- S. Illinois Works Jobs Program Act Apprenticeship Initiative Contractor Certification, page 0685-7
- T. **The failure to include any listed attachments with a bid proposal is sufficient cause for bid rejection. The omission of any listed attachment will require, at the least, more intense evaluation of the bid. Bidders shall review all hard copy submissions to assure that all listed attachments are included.**

ARTICLE 6—TIME OF COMPLETION

- 6.01 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.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

7.01 *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.

7.02 *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.

7.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

| Addendum Number | Addendum Date |
|-----------------|---------------|
| | |
| | |
| | |
| | |

ARTICLE 8—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

8.01 *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 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.

8.02 *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)

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY
SECTION 28 10 00 - ACCESS CONTROL

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Access control system requirements.
- B. Access control units and software.
- C. Access control point peripherals, including readers and keypads.
- D. Accessories.

1.2 RELATED REQUIREMENTS

- A. Section 07 84 00 - Firestopping.
- B. Section 08 71 00 - Door Hardware: Electrically operated door hardware, for interface with access control system.
 - 1. Includes door hardware with integral request to exit devices.
- C. Section 11 12 00 - Parking Control Equipment: Parking gates, for interface with access control system.
- D. Section 14 21 00 - Electric Traction Elevators: For interface with access control system.
- E. Section 26 05 26 - Grounding and Bonding for Electrical Systems.
- F. Section 26 05 33.13 - Conduit for Electrical Systems.
- G. Section 26 05 53 - Identification for Electrical Systems: Identification products and requirements.
- H. Section 27 10 00 - Structured Cabling: Data cables for access control system IP network connections.
- I. Section 28 20 00 - Video Surveillance: For interface with access control system.
- J. Section 28 31 11 - Building Intrusion Detection: For interface with access control system.
- K. Section 28 46 00 - Fire Detection and Alarm: For interface with access control system.

1.3 REFERENCE STANDARDS

- A. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2015.
- B. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- C. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. UL 294 - Access Control System Units; Current Edition, Including All Revisions.
- E. UL 1076 - Proprietary Burglar Alarm Units and Systems; Current Edition, Including All Revisions.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the work with other installers to provide suitable door hardware as required for both access control functionality and code compliance.
 - 2. Coordinate the placement of readers with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 3. Coordinate the work with other installers to provide power for equipment at required locations.
 - 4. Notify Architect of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.
- B. Preinstallation Meetings:
 - 1. Conduct meeting with facility representative to review reader and equipment locations.
 - 2. Conduct meeting with facility representative and other related equipment manufacturers to discuss access control system interface requirements.

1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include elevations and

details of proposed equipment arrangements. Include system interconnection schematic diagrams. Include requirements for interface with other systems.

- C. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
- D. Design Data: Standby battery/UPS calculations.
- E. Certify that proposed system design and components meet or exceed specified requirements.
- F. Evidence of qualifications for installer.
- G. Evidence of qualifications for maintenance contractor (if different entity from installer).
- H. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and operation of product.
- I. Manufacturer's detailed field testing procedures.
- J. Field quality control test reports.
- K. Maintenance contracts.
- L. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.
- M. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.
 - 1. Include contact information for entity that will be providing contract maintenance and trouble call-back service.
- N. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.
- O. Software: One copy of software not resident in read-only memory.
- P. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.

2. Deliver blank credentials to Owner as directed.

1.6 QUALITY ASSURANCE

- A. Comply with the following:
 1. NFPA 70.
 2. NFPA 101 (Life Safety Code).
 3. The requirements of the local authorities having jurisdiction.
 4. Applicable TIA/EIA standards.
- B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.
- C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- D. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience with access control systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their business; authorized manufacturer's representative.
 1. Contract maintenance office located within 100 miles of project site.
- E. Maintenance Contractor Qualifications: Same entity as installer.
- F. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.8 FIELD CONDITIONS

- A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.9 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide minimum one year manufacturer warranty covering repair or replacement due to defective materials or workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Where possible, furnish system components and accessories produced by single manufacturer and obtained from single supplier.

2.2 ACCESS CONTROL SYSTEM REQUIREMENTS

- A. Provide new access control system consisting of required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.
- B. System Battery Backup: Provide batteries/uninterruptible power supplies (UPS) as required for 10 minutes full operation.
- C. Surge Protection:
 1. Provide surge protection for readers and door strikes/locks.
- D. Access Control Points:
 1. See article "ACCESS CONTROL POINT PERIPHERALS" below for device descriptions.
 2. Typical Door:
 - a. Location: Exterior/Interior.
 - b. Function: Operational and emergency.
 - c. Access: Controlled entry, free exit.
 - d. Peripherals on Unsecure Side:
 - 1) Reader/Keypad: Keypad.
 - e. Peripherals on Secure Side:

- 1) Door position switch.
- 2) Motion sensor request to exit device.
- 3) Alarm sounder.

f. Locking Device: Electric strike.

- 1) Configuration: Fail-secure.

g. Interface Requirements:

- 1) Provide interface with handicapped automatic door operator.

E. Computers Required:

1. See article "ACCESS CONTROL UNITS AND SOFTWARE" below for product descriptions.
2. Server(s):
 - a. Quantity: One.
 - b. Location(s): To be determined.
 - c. Peripherals required for each server:
 - 1) Mouse and keyboard.
 - 2) Monitor(s): One.
 - 3) Speakers (where not integral with monitor).
3. Workstation Computer(s):
 - a. Quantity: One.
 - b. Location(s): To be determined.
 - c. Peripherals required for each workstation computer:
 - 1) Mouse and keyboard.
 - 2) Monitor(s): One.
 - 3) Speakers (where not integral with monitor).
 - 4) Alarm/report printer.

F. Interface with Other Systems:

1. Provide products compatible with other systems requiring interface with access control system.
2. Interface with electrically operated door hardware as specified in Section 08 71 00.
 - a. Capable of locking/unlocking/releasing controlled doors.
 - b. Capable of receiving input from integral door hardware switches.
3. Interface with video surveillance system as specified in Section .
 - a. Capable of affecting camera/video operation for selected access control system events.

G. Provide products listed, classified, and labeled as suitable for the purpose intended.

1. Access Control Units and Readers: Listed and labeled as complying with UL 294.
2. Integrated Burglar Alarm/Access Control Equipment: Also listed and labeled as complying with UL 1076.

2.3 ACCESS CONTROL UNITS AND SOFTWARE

- A. Provide access control units and software compatible with readers to be connected.
- B. Unless otherwise indicated, provide software and licenses required for fully operational system.
- C. Computers:
 1. Workstation Computers: Unless otherwise indicated, workstation computer hardware and associated peripherals not furnished by access control system manufacturer to be provided by Contractor as part of work of this section, meeting access control system equipment manufacturer's recommended requirements.
 2. Servers: Unless otherwise indicated, server hardware and associated peripherals not furnished by access control system manufacturer to be provided by Contractor as part of work of this section, meeting access control system equipment manufacturer's recommended requirements.

2.4 ACCESS CONTROL POINT PERIPHERALS

- A. Provide devices compatible with control units and software.
- B. Provide devices suitable for operation under the service conditions at the installed location.
- C. Readers and Keypads:
 - 1. General Requirements:
 - a. Provide readers compatible with credentials to be used.
 - b. Verify reader/keypad functionality with the owner.
 - c. Color: To be selected by Architect from manufacturer's available standard colors.
- D. Door Position Switches:
 - 1. Magnetic Contacts: Encapsulated reed switch(es) and separate magnet; designed to monitor opened/closed position of doors.
 - 2. Contact Color: To be selected by Architect from manufacturer's available standard colors.
- E. Request to Exit Devices:
 - 1. Pushbuttons:
 - 2. Motion Sensors: Passive infrared.
 - 3. Door Hardware with Integral Request to Exit Switches: Comply with Section 08 71 00.
- F. Door Locking Devices (Electric Strikes and Magnetic Locks): Comply with Section 08 71 00.
- G. Alarm Sounders:
 - 1. Minimum Sound Output: 85 db.

2.5 ACCESSORIES

- A. Provide components as indicated or as required for connection of access control system to devices and other systems indicated.
- B. Unless otherwise indicated, credentials to be provided by Contractor.

1. Provide credentials compatible with readers and control units/software to be used.
- C. Unless otherwise indicated, network switches required for network connections to system components to be provided by Contractor.
- D. Provide cables as indicated or as required for connections between system components.
 1. Data Cables for IP Network Connections: Unshielded twisted pair (UTP), minimum Category 5e, complying with Section 27 10 00.
- E. Provide end-of-line resistors (EOLR) as required for supervision of hardwired connections.
- F. Provide accessory racks/cabinets as indicated or as required for equipment mounting.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system.
- E. Verify that conditions are satisfactory for installation prior to starting work.

3.2 INSTALLATION

- A. Install access control system in accordance with NECA 1 (general workmanship).
- B. Install products in accordance with manufacturer's instructions.
- C. Wiring Method: Unless otherwise indicated, use cables (not in conduit).
 1. Use suitable listed cables in wet locations, including underground raceways.
 2. Use suitable listed cables for vertical riser applications.
 3. Use listed plenum rated cables in spaces used for environmental air.
 4. Install wiring in conduit for the following:

- a. Where required for rough-in.
- b. Where required by authorities having jurisdiction.
- c. Where exposed to damage.
- d. Where installed outside the building.
- e. For exposed connections from outlet boxes to devices.

5. Conduit: Comply with Section 26 05 33.13.
6. Conceal cables unless specifically indicated to be exposed.
7. Use power transfer hinges complying with Section 08 71 00 for concealed connections to door hardware.
8. Route exposed cables parallel or perpendicular to building structural members and surfaces.
9. Do not exceed manufacturer's recommended maximum cable length between components.

- D. Provide grounding and bonding in accordance with Section 26 05 26.
- E. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 07 84 00.
- F. Identify system wiring and components in accordance with Section 26 05 53.

3.3 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Prepare and start system in accordance with manufacturer's instructions.
- C. Program system parameters according to requirements of Owner.
- D. Test for proper interface with other systems.
- E. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

3.4 CLEANING

- A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

3.5 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.
- B. See Section 01 79 00 - Demonstration and Training, for additional requirements.

3.6 PROTECTION

- A. Protect installed system components from subsequent construction operations.

3.7 MAINTENANCE

- A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.
- B. Provide to Owner, a proposal as an alternate to the base bid, a separate maintenance contract for the service and maintenance of access control system for two years from date of Substantial Completion; Include a complete description of preventive maintenance, systematic examination, adjustment, cleaning, inspection, and testing, with a detailed schedule.
- C. Conduct site visit at least once every three months to perform inspection, testing, and preventive maintenance. Submit report to Owner indicating maintenance performed along with evaluations and recommendations.
- D. Provide trouble call-back service upon notification by Owner:
 1. Include allowance for call-back service during normal working hours at no extra cost to Owner.
 2. Owner will pay for call-back service outside of normal working hours on an hourly basis, based on actual time spent at site and not including travel time; include hourly rate and definition of normal working hours in maintenance contract.

END OF SECTION 28 10 00

DIVISION 46 - WATER AND WASTEWATER EQUIPMENT
SECTION 46 33 00 – LIQUID CHEMICAL FEED EQUIPMENT

PART 1 GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of the contract including, but not limited to, General Conditions, Supplementary Conditions and Division 01 Specification Sections apply to this section.
- B. Related sections to this specification, include but may not be limited to, the following:
 - 1. Section 01 11 00 – Summary of Work
 - 2. Section 01 33 23 – Shop Drawing, Product Data and Samples
 - 3. Section 26 05 00 – Common Work Results for Electrical
 - 4. Section 40 90 00 – Control System
 - 5. Section 40 90 20 – Instrumentation

1.2 SUMMARY

- A. Furnish and install the feed pumps, tubings, and all other accessories and related appurtenances to feed hydrofluorosilicic acid (fluoride) and Polyphosphate (fed as liquid) to the application points as shown on the drawings. A Total of two (2) complete chemical injection assemblies/system of the same type shall be provided.
- B. Chemical feeding system shall be provided for the following:
 - 1. Fluoride (fed as 26% hydrofluorosilicic acid by wt) for dental health
 - 2. Phosphate (fed as liquid) for corrosion control

1.3 QUALITY ASSURANCE

- A. The equipment and materials to be furnished under this Contract shall be free from defects. The complete fluoride feed system and polyphosphate system, each shall be furnished by a single manufacturer having complete system responsibility for the operation of the system.
- B. The chemical feed equipment shall conform to the applicable AWWA Standards and ANSI/NSF Standard 60.

1.4 REFERENCE STANDARDS

- A. The work in this section is subject to the requirements of applicable portions of the following standards:
 - 1. Ten States Standards
 - 2. Illinois EPA Design Standards
 - 3. NSF Regulations
 - 4. OSHA Rules and Regulations

1.5 SUBMITTALS

- A. Shop drawings and manufacturers literature demonstrating compliance with this specification.

B. Operation and Maintenance Manuals: Complete with manufacturer's instructions for equipment installation, equipment function, start-up procedures, operation, preventative maintenance, servicing and troubleshooting. Submittals shall be in accordance with Section 01 32 16.

1.6 DELIVERY, STORAGE AND HANDLING

A. The Contractor shall be responsible for the delivery, storage and handling of products in accordance with the manufacturer's recommendations.

1.7 WARRANTY REQUIREMENTS

A. The pumps shall be warranted by the manufacturer for a period of three years.

1.8 SUPERVISION

A. The Contractor shall arrange for the equipment manufacturer to provide a qualified field representative as required for the purpose of checking installation, start-up, final field acceptance testing, and providing instruction to the Owner's operating personnel in the proper operation and maintenance of the equipment in this section.

1.8 ACCEPTABLE MANUFACTURERS

A. FLEXFLO M-Series Peristaltic Metering Pump, Model M1, Manufactured in the U.S.A. by Blue-White Industries, C.O Peterson & Matz, (847) 844 – 4405.

B. Or equal.

PART 2 PRODUCTS

2.1 MATERIALS/CONSTRUCTION

A. Metering Pump Shall be a positive displacement, peristaltic type tubing pump with a brushless variable speed motor, non-spring-loaded roller assembly located in the pump head, integral tube failure detection system, and flexible tubing with attached connection fittings. FLEXFLO M1 model shall be capable of output volumes from 0.0001 to 5.60 gallons per hour.

B. There shall be no valves, diaphragms, springs, or dynamic seals in the fluid path. Process fluid shall contact the pump tubing assembly and connection fittings only.

C. Pump shall be capable of 24-hour continuous duty and self-priming at the rated maximum pressure of up to 100 PSI (6.89 bar).

D. Pump shall be capable of running dry without damage.

E. Suction lift shall be 30 feet (9.14 m) of water.

F. Pump shall be warranted by the manufacturer for a period of three years. Warranty shall include chemical damage to the pump head and roller assembly for a period of two years.

2.2 PUMPHEAD

- A. Pump head Shall be a single, unbroken track with a clear removable cover.
- B. Tube failure detection sensors shall be wholly located in the pump head. Tube failure detection system shall trigger when liquid makes contact. Float type switches shall not be used. Process fluid waste ports or leak drains shall not be provided.
- C. Squeeze rollers with encapsulated bronze sleeve bearings shall be directly coupled to a two-piece thermoplastic rotor. Three Nylon rollers shall be provided and shall be located 120 degrees apart. The roller diameters and occlusion gap shall be factory set to provide the optimum tubing compression; field adjustment shall not be required. Spring-loaded or hinged rollers shall not be used.
- D. Rotor assembly shall be installed on a D-shaped, chrome plated motor shaft and removable without tools.
- E. For tubing installation and removal, rotor assembly shall be rotated by the motor drive. Hand cranking of the rotor assembly shall not be required.
- F. Pump head and tubing compression surface shall be corrosion resistant Valox thermoplastic.
- G. The pump head cover shall be clear, acrylic thermoplastic with a bronze sleeve bearing fitted to support the overhung load on the motor shaft.
- H. Cover shall be positively secured to the pump head using a minimum of three thumb screws. Tools shall not be required to remove the pump head cover.

2.3 PUMP TUBE ASSEMBLY

- A. To ensure pump performance and accuracy, only tubing provided by the manufacturer is acceptable.
- B. Pump tube shall be assembled to connection fittings of PVDF material.
- C. Connection fittings shall be permanently clamped to the tubing with stainless steel clamps. To prevent tubing misalignment and ensure accuracy, fittings shall insert into keyed slots located in the pump head and secured in place by the pump head cover.
- D. Connection fittings shall be 1/2" M/NPT or fittings shall accept 1/4" ID x 3/8" OD flexible tubing.
- E. Tube sizes and connections shall be measured in inches.
- F. The following tube sizes shall be available:

| Tube Model | Feed Rate (GPH) | Feed Rate (LPH) | Maximum Pressure PSI (bar) | Maximum Temperature °F (°C) |
|------------|-----------------|-----------------|----------------------------|-----------------------------|
| A1-1* | 0.0001 - 1.09 | 0.0004 - 4.13 | 65 (4.50) | 130 (54) |
| A1-3* | 0.0006 - 5.60 | 0.0021 - 21.2 | 50 (3.45) | 130 (54) |
| A1-6* | 0.0001 - 1.35 | 0.0005 - 5.14 | 100 (6.89) | 185 (85) |
| A1-7* | 0.0004 - 4.17 | 0.0016 - 15.8 | 50 (3.45) | 185 (85) |
| A1-8* | 0.0003 - 3.09 | 0.0012 - 11.7 | 50 (3.45) | 130 (54) |

Note: *Data pertains to both "T" and "M" connection types.

2.4 DRIVE SYSTEM

- A. Drive System Shall be factory installed and totally enclosed in a NEMA 4X, (IP66) wash-down enclosure. Capable of operating on any input power from 110VAC to 240VAC, 50/60 Hz single phase supply without user configuration or selection switches.
 - a. Motor
 - i. Brushless DC gear motor rated for continuous duty.
 - ii. Motor shall include overload protection.
 - iii. The maximum gear motor RPM shall be 65 RPM.
 - b. Control Circuitry
 - i. All control circuitries shall be integral to the pump.
 - ii. All control circuitries shall be integral to the pump and capable of adjusting the pump motor speed from 0.01% to 100.0% in 0.01% increments less than 1% motor speed, in 0.01% increments between 1% and 10% motor speed, and in 0.1% increments greater than 10% motor speed (10,000:1 turndown ratio).
 - iii. The pump output shall be capable of being manually controlled via front panel user touchpad controls. The pump motor speed shall be adjustable from 0.01% to 100.0% in 0.01% increments less than 1% motor speed, in 0.01% increments between 1% and 10% motor speed, and in 0.1% increments greater than 10% motor speed.
 - iv. The pump shall be capable of being remotely controlled via 4-20mA analog input. The input resolution shall be 0.01 of input value and capable of adjusting the pump motor speed from 0% to 100.0% motor speed in 0.1% increments. Four values shall be user configurable to define the low and high points on the output slope: a low input value, the required pump

percentage of motor speed at the low input value, a high input value, the required pump percentage of motor speed at the high input value.

- v. Provide an 8-button front panel user touchpad control for stop/start, FVS, lockout key, display reading, operating mode selection, remote start/stop activation, and priming.
- vi. Provide a single color 7 segment LCD display for menu driven configuration settings, pump output value, tube failure detection (TFD) system, flow verification system (FVS), and remote input signal values.
- vii. Provide for remote stop/start pump via a non-powered contact closure loop.
- viii. Provide one solid state relay and one contact closure relay. Solid state relay shall trigger when motor is active. Contact closure relay shall trigger with any of the following pump functions: TFD system, FVS system, motor run/stop, and any pump error code.
- ix. Provide a lock-out button that shall disable use of manual adjust up and down buttons
- x. Provide a flow verification system with programmable alarm delay time from 1-20 seconds. FVS system shall monitor the FVS flow sensor while pump is running only. System shall not monitor pump while not running.

2.5 FLOW VERIFICATION SENSOR

- A. Flow Verification Sensor shall output high-speed digital pulse signal or 4-20 mA, while pump is running only, to verify chemical injection.
- B. Flow verification sensor shall be an ultrasonic transit time sensor.
- C. Wetted components shall be PVDF (optional PVC), PEEK, and TFE/P (optional EP).
- D. End fittings shall be PVDF with optional PVC slip fittings. All are included.
- E. Sensor operating range shall be as follows:

| Code | Flow Range (GPH) | Flow Range (LPH) | Flow Range (mL/min) |
|------|------------------|------------------|---------------------|
| A | 0.158-79.2 | 0.597-299.4 | 10.0-5,000 |

- F. Shall provide a scalable 4-20 mA sourcing output.
- G. Shall provide a scalable 0-10,000 Hz open collector frequency output

- H. Shall provide a programmable Form C Solid State Relay rated for a maximum load capacity of 24 VDC and 100 mA.
- I. Programmable for high/low flow rate alarm.
- J. Programmable to energize on specified flow total.
- K. Power Requirements: 5 VDC; 5 Watts maximum.
- L. Shall be certified to NSF Standard 61 Drinking Water System Components.
- M. Accuracy shall be +/- 0.75% full scale. Accuracy shall be +/- 0.25% at the field calibrated setpoint.

2.6 SAFETY

- A. The pump shall be certified to NSF Standard 61 Drinking Water System Components, UL standard 778 motor operated pump and CSA standard C22.2 process control equipment.
- B. Manufactured to ISO 9001:2015 requirements and processes.
- C. Tube Failure Detection (TFD+) system sensors shall be wholly located in the pump head. TFD+ system will stop the pump within three seconds of leak detection. Process fluid waste ports or leak drains shall not be provided.

2.7 CHEMICAL STORAGE BULK TANK

- A. Provide two (2), 250-gallon double-walled bulk storage tank for bulk storage of fluoride and phosphates at the location shown on the plans.
 - a. Each individual tank shall not be greater than 47-inches in diameter and shall not be greater than 113-inches in height.
 - b. Acceptable manufacturer: Double Wall Storage Tank by Assmann Corporation of America, Model: IMT-250, C.O Peterson & Matz, (847) 844 – 4405, or equal.

2.8 CHEMICAL DAY TANK

- A. Provide a total of two (2), 20-gallon day storage tank for fluoride and phosphate chemicals as shown on the plans
 - a. Each individual tank shall have an outside diameter no greater than 27-inches and shall not be greater than 22-inches in height.
 - b. Acceptable manufacturer: Double Wall Storage Tank by Assmann Corporation of America, Model: IMT-20, C.O Peterson & Matz, (847) 844 – 4405, or equal.
 - c. The bulk tank and the day tank shall be connected using a 2-inch pipe and a control valve as shown on the plans.
 - d. The day tanks shall sit on a battery powered digital weight indicator
 - i. The scale shall not require any power to operate
 - ii. The digital scale shall be able to take 4-20 mA signal back to the plant SCADA system for remote monitoring

- iii. The scale local indicator shall not sit directly above the day tank or the vent pipe from the day tank.
- iv. Acceptable manufacture:
 - 1. Force Flow SOLO XT C.O Peterson & Matz, (847) 844 – 4405, or equal.

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. The Contractor shall inspect all equipment immediately upon receipt.
- B. The equipment shall not be installed, if damaged, until repairs have been made in accordance with the manufacturer's written instructions.

3.2 INSTALLATION

- A. The Contractor shall install the equipment in accordance with the drawings and the manufacturer's recommendations.
- B. A vent pipe shall be installed as shown on the plans from the shipping drum locations to the outside of the building to be 6-inches below the roof soffit level with a corrosion resistant #24 mesh screen.

3.3 FACTORY SERVICES AND START-UP

- A. System Start-Up and Training
 - 1. The Contractor will verify in writing that the project is ready for manufacturer's field services. Copies of written verification shall be given to the manufacturer, Engineer and Owner prior to scheduling field services.
 - 2. The Contractor shall provide the services of a factory representative during start-up of the chemical feed systems. The Contractor shall provide a minimum of one (1) day on site for start-up, calibration and training. At a minimum, the equipment manufacturer's technician shall perform the following start-up functions:
 - a. Inspect the final installation to assure proper installation, connection and wiring of all equipment of the manufacturer's supply.
 - b. Start-up of the equipment in the presence of the Contractor, Engineer and Owner's operating personnel.
 - c. Training of Owner's operating personnel in proper operation and maintenance procedures, start-up/shutdown procedures, response to emergency conditions, and troubleshooting. The responsibility of the Contractor and the factory service representative with regard to start-up shall be fulfilled when the start-up is complete, the equipment is functioning properly, operating personnel have been trained and the equipment has been accepted by the Owner.

END OF SECTION 46 33 00

Sanju, Mokammel

From: Sanju, Mokammel
Sent: Wednesday, January 14, 2026 1:39 PM
To: Sanju, Mokammel
Subject: FW: Robinson Water Treatment

From: Suttyak, Tim <tsuttyak@F-W.com>
Sent: Wednesday, January 14, 2026 9:13 AM
To: Jon Earles <jearles@centralstateco.com>; Sanju, Mokammel <ssanju@F-W.com>
Cc: Hanfland, Andy <ahanfland@F-W.com>
Subject: Re: Robinson Water Treatment

Schedule 80PVC will be required in the process room per the specification.

Tim Suttyak, PE, LC / Sr. Engineer

o / 217.352.7408 d / 217.298.9017 c / 217.381.8880

FARNSWORTH GROUP

www.f-w.com

Proud to be A Great Place to Work® Certified Company!

From: Jon Earles <jearles@centralstateco.com>
Sent: Tuesday, January 13, 2026 2:23 PM
To: Suttyak, Tim <tsuttyak@F-W.com>; Sanju, Mokammel <ssanju@F-W.com>
Cc: Hanfland, Andy <ahanfland@F-W.com>
Subject: RE: Robinson Water Treatment

Need a clarification please:

Spec section 260533.13 2.1 M lists the water treatment facility as a section that requires sch 80 PVC. On the plans the only rooms with a plan note calling sch 80 PVC out are the chem room 203 and the CL2 room 202. Does the main treatment room need sch 80 pvc for exposed conduit or is EMT allowable there?

Jon Earles
Central State Construction
15358 E. Clarksville Rd
Marshall, IL 62441
jearles@centralstateco.com

Phone: (217) 826.6152
Cell: (765) 346.6152



From: Sutyak, Tim <tsutyak@F-W.com>
Sent: Tuesday, January 6, 2026 2:39 PM
To: Sanju, Mokammel <ssanju@F-W.com>; Jon Earles <jearles@centralstateco.com>
Cc: Hanfland, Andy <ahanfland@F-W.com>
Subject: Re: Robinson Water Treatment

CAUTION: EXTERNAL EMAIL

This message originated from outside **Your Organization**. **Do not open links or attachments** unless you recognize the sender and confirm the content is safe.

Jon

Same response for generac as well.

Thanks!

Tim Sutyak, PE, LC / Sr. Engineer

o / 217.352.7408 **d /** 217.298.9017 **c /** 217.381.8880

FARNSWORTH GROUP

www.f-w.com

Proud to be A Great Place to Work® Certified Company!

From: Sanju, Mokammel <ssanju@F-W.com>
Sent: Tuesday, January 6, 2026 2:38 PM
To: Jon Earles <jearles@centralstateco.com>; Sutyak, Tim <tsutyak@F-W.com>
Cc: Hanfland, Andy <ahanfland@F-W.com>
Subject: RE: Robinson Water Treatment

Jon – It is a possible substitution, however, all product equivalents will be considered for approval after the contract has been awarded.

Thank you,
Sanju Mokammel / Engineering Associate II
o / 217.352.7408 d / 217.318.5858 c / 217.721.4771

FARNSWORTH GROUP
2211 West Bradley Avenue / Champaign, IL 61821

www.f-w.com



Proud to be A Great Place to Work® Certified Company!

From: Jon Earles <jearles@centralstateco.com>
Sent: Tuesday, January 6, 2026 2:34 PM
To: Sutyak, Tim <tsutyak@F-W.com>
Cc: Hanfland, Andy <ahanfland@F-W.com>; Sanju, Mokammel <ssanju@F-W.com>
Subject: RE: Robinson Water Treatment

Can Hanwha vision be added as an acceptable camera system? Attached is a brochure.

Thanks

Jon Earles
Central State Construction
15358 E. Clarksville Rd
Marshall, IL 62441
jearles@centralstateco.com
Phone: (217) 826.6152
Cell: (765) 346.6152



From: Sutyak, Tim <tsutyak@F-W.com>
Sent: Tuesday, January 6, 2026 12:17 PM
To: Jon Earles <jearles@centralstateco.com>
Cc: Hanfland, Andy <ahanfland@F-W.com>; Sanju, Mokammel <ssanju@F-W.com>
Subject: Re: Robinson Water Treatment

CAUTION: EXTERNAL EMAIL

This message originated from outside **Your Organization**. Do not open links or attachments unless you recognize the sender and confirm the content is safe.

Jon

We will address these in the upcoming addendum being issued Friday.

Also, will need to keep Andy Hanfland and Sanju Mokammel copied on further questions just to keep them aware as the PMs.

Thanks!

Tim Sutyak, PE, LC / Sr. Engineer

o / 217.352.7408 d / 217.298.9017 c / 217.381.8880

FARNSWORTH GROUP

www.f-w.com

Proud to be A Great Place to Work® Certified Company!

From: Jon Earles <jearles@centralstateco.com>

Sent: Tuesday, January 6, 2026 9:43 AM

To: Sutyak, Tim <tsutyak@f-w.com>

Subject: RE: Robinson Water Treatment

Sorry got another:

For communication wiring there is a detail for J hooks and also a conduit schedule for communication wiring. Are J hooks acceptable above drop ceilings and conduit to be used in exposed areas?

Jon Earles

Central State Construction

15358 E. Clarksville Rd

Marshall, IL 62441

jearles@centralstateco.com

Phone: (217) 826.6152

Cell: (765) 346.6152



From: Jon Earles

Sent: Tuesday, January 6, 2026 8:36 AM

To: Sutyak, Tim <tsutyak@f-w.com>

Subject: Robinson Water Treatment

Hey Tim,

Got a couple questions for this project:

Sorry if I missed these somewhere

1- I see access control devices shown but there is no spec section or any details. Is this rough in only?

2- Just want to confirm no Fire Alarm systems need to be included since none are shown?

3- Can Generac be added as an approved generator manufacturer?

Jon Earles

Central State Construction

15358 E. Clarksville Rd

Marshall, IL 62441

jearles@centralstateco.com

Phone: (217) 826.6152

Cell: (765) 346.6152



Sanju, Mokammel

From: Hanfland, Andy
Sent: Wednesday, January 14, 2026 3:14 PM
To: Ryan Rehwald
Cc: Sanju, Mokammel
Subject: RE: Water Treatment Plant and Campus

Ryan,

Thanks for sending this information.

For bidding we stated a performance specification and list a make and model that meets the specs to show it can be provided. Alternates that meet the performance specifications will be allowed.

I will not review alternate materials/submittals before the bid to approve or reject. If your product meets or exceeds the performance requirements then bid it. If does not, it will be rejected at the shop drawing process. If I would start reviewing everyone's product that is all that would be doing and should have not even written a specification.

This may not be the response that you would like but it is the response I can offer.

Andrew C. Hanfland P.E. / Senior Engineering Manager
o / 217.531.1253 d / 217.305.7614 c / 217.343.6993
FARNSWORTH GROUP

From: Ryan Rehwald <rrehwald@dhglass.biz>
Sent: Tuesday, January 13, 2026 3:30 PM
To: Hanfland, Andy <ahanfland@f-w.com>
Subject: Water Treatment Plant and Campus



This message needs your attention

- This is their first email to your company.

Farnsworth Group IT - Report via Phish Alert if Suspicious

Good Afternoon, Andrew,

Regarding the Water Treatment Plant and Campus project located in Robinson, IL, we would like to request approval to use an alternate manufacturer for the aluminum framed entrances and storefronts, as well as the insulated glass unit glazing.

We are proposing Tubelite for the aluminum framed entrance and storefront systems, and Guardian Glass for the insulated glass units. These products are extremely similar to the

materials specified in the project specs and meet the same performance and quality requirements.

Relevant product information is attached for your review and comparison. Please let me know if you need any additional documentation or have any questions regarding this substitution. Thanks,

Ryan Rehwald

D & H Glass Services

908 South 15th Street

Vincennes, IN 47591

Phone 812-882-8181

Fax 812-882-8207

rrehwald@dhglass.biz



December 26, 2025

Farnsworth Group

Reference: Robinson-Palestine Water Commission – Water Treatment Plant and Campus

Please find below list of RFIs regarding the above referenced project:

1. Article 5 of the bid form contains a few discrepancies:
 - a. Line E requests written acknowledgement that the contractor will self-perform 30% of the labor on the project. Will initiating item 3 under Article 2 fulfill this requirement or will an additional acknowledgement be needed?
A: Initiating Item 3 under Article 2 shall fulfil this requirement.
 - b. Line K refers to pages 0675-1 through 0675-15. However, only pages 0675-1 through 0675-9 are included in the project manual.
A: It should be Pages 0675-1 to 0675-9. Clarified in Addenda #2.
 - c. Line L references page 0675-16, which is not in the project manual.
A: It should be Pages 0675-1 to 0675-9. Clarified in Addenda #2.
 - d. Line O is a duplicate of Line D.
A: Line O has been removed in Addenda #2.
 - e. Line P references Illinois Compiled Statutes, 1992, ACT 570 Employment of Illinois Workers on Public Works Act. However, this Act is in regard to the Illinois Controlled Substances Act. Additionally, I cannot locate a form pertaining to this in the project manual. Will a simple word document stating that we acknowledge the Act suffice?
A: The act refers to unemployment rate based utilization of instate/Illinois workers. A simple acknowledgment would be ample.
 - f. Line Q requests written acknowledgement of Illinois Public Act 93-0642. I cannot locate a form pertaining to this in the project manual. Will a simple word document stating that we acknowledge the Act suffice?
A: <https://www.ilga.gov/Legislation/publicacts/view/093-0642>. Yes, and acknowledgement would be ample.
2. Question/Statement IV in the pre-bid meeting section of Addendum #1 states that the project includes construction huts for the existing VFDs. Can you elaborate on this, or is the construction of the "huts" to be at the contractor's discretion?
A: Details regarding the construction of huts for the existing pump VFD's will be included in the next addenda.
3. Will you be providing a spec for the fire suppression system?
A: The are in the original Spec Sections 21 05 00 and 21 13 00.
4. What is the physical address associated with the existing wells?

A: There is no physical address associated with the existing wells. However, the well field is located just north-east of a Dollar General in Palestine IL (306 N Washington St. Palestine IL 62451), north of the rail road, west of the grain silos.

Thanks,

Dirk Bartges
Grunloh Building Inc.

901 North Second Street • Effingham, IL 62401 • p. 217-342-2221 • BuildwithGrunloh@GrunlohBuilding.com

Page 1 of 1

Sanju, Mokammel

From: Sanju, Mokammel
Sent: Wednesday, January 14, 2026 1:23 PM
To: Sanju, Mokammel
Subject: FW: Robinson/ Palestine WTP

From: Sanju, Mokammel
Sent: Tuesday, January 13, 2026 11:43 AM
To: Hanfland, Andy <ahanfland@F-W.com>
Subject: RE: Robinson/ Palestine WTP

The Rte 33 and Rte 1 crossing details are in the permit exhibit attached with the front-end specs, albeit they are not of good quality, so we have reissued a higher quality version of the sheets. Please see attached.

Thanks,
Sanju Mokammel / Engineering Associate II
o / 217.352.7408 d / 217.318.5858 c / 217.721.4771

FARNSWORTH GROUP
2211 West Bradley Avenue / Champaign, IL 61821
www.f-w.com

Proud to be A Great Place to Work® Certified Company!

From: Heath Seaton <heath@kiefferbros.net>
Sent: Friday, January 2, 2026 9:07 AM
To: Hanfland, Andy <ahanfland@f-w.com>
Subject: Robinson/ Palestine WTP

Good Morning Andy,

I hope you had a great new year's eve. I have another question regarding the Robinson/ Palestine WTP. On sheet C3.2 the (2) 20" lines crossing RT.33, There is no detail on those lines crossing Rt. 33. I am assuming they will be bore and jack casing bores. I wanted to know if I could get a detailed drawing of the work to be done at STA. 44+00. Also will there have to be Railroad permitting secured for the work being done there? I have concerns that some work or equipment will be on the railroad right of way.

Thank you,

Heath Seaton

Project Superintendent



Kieffer Brothers Construction, Inc.

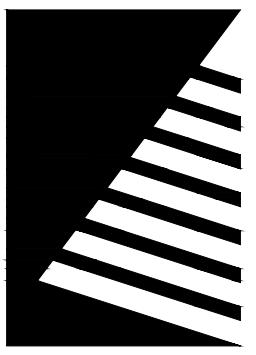
933 West 3rd Street

Mt. Carmel, IL 62863

c: 812.499.1220

p: 618.262.5108

f: 618.263.3215

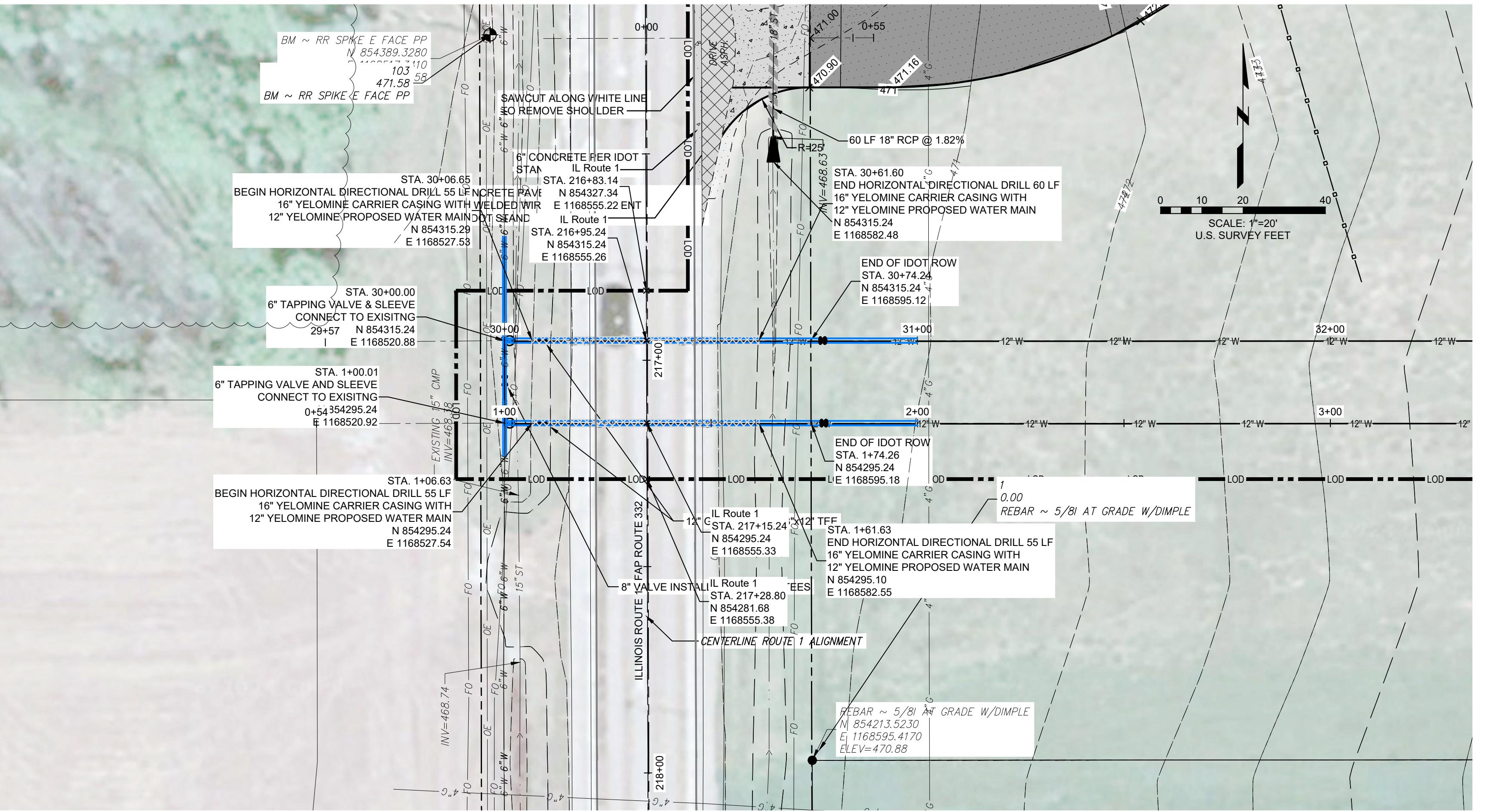


Farnsworth
GROUP

400 WEST JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 531-1253 / info@f-w.com

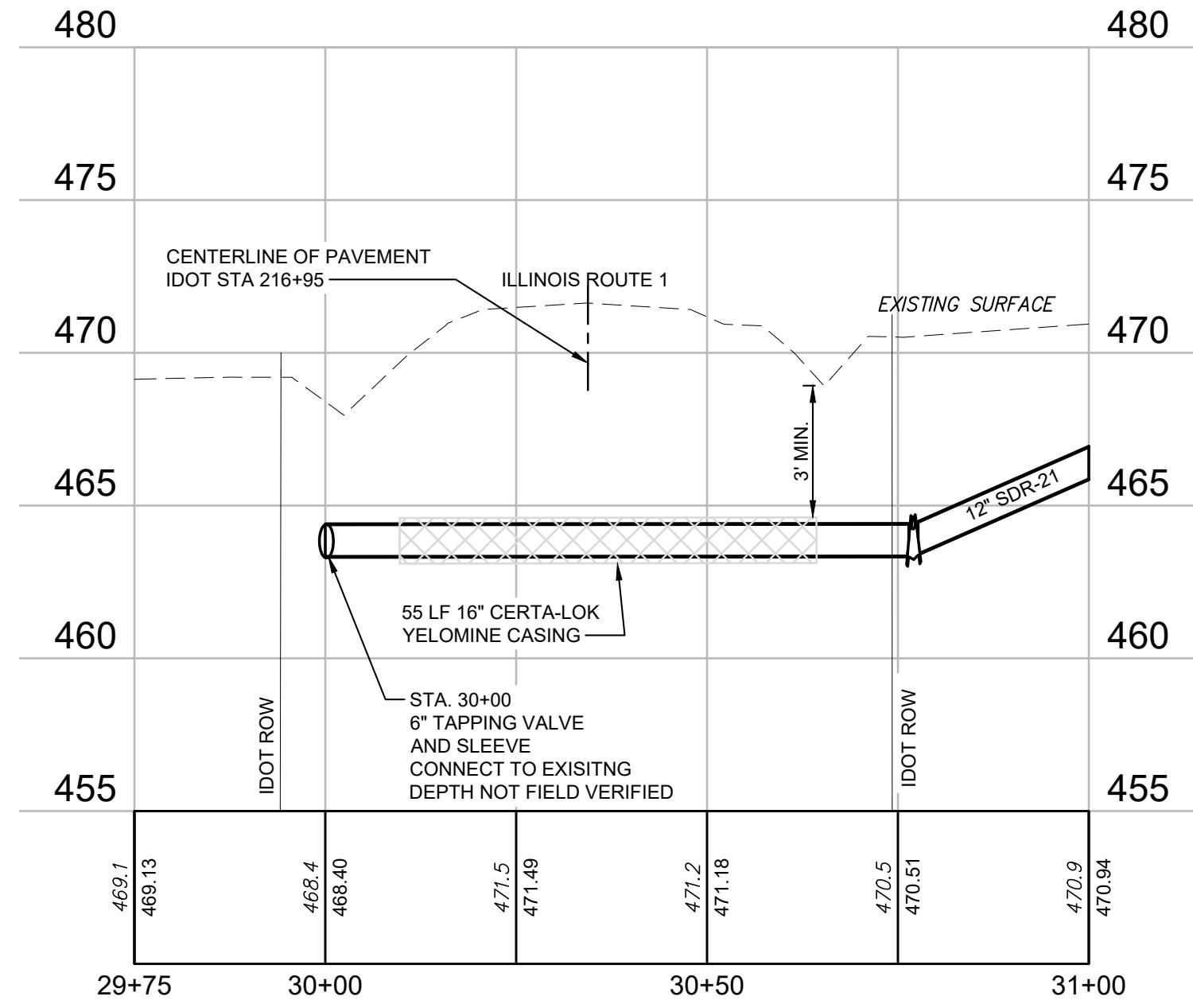
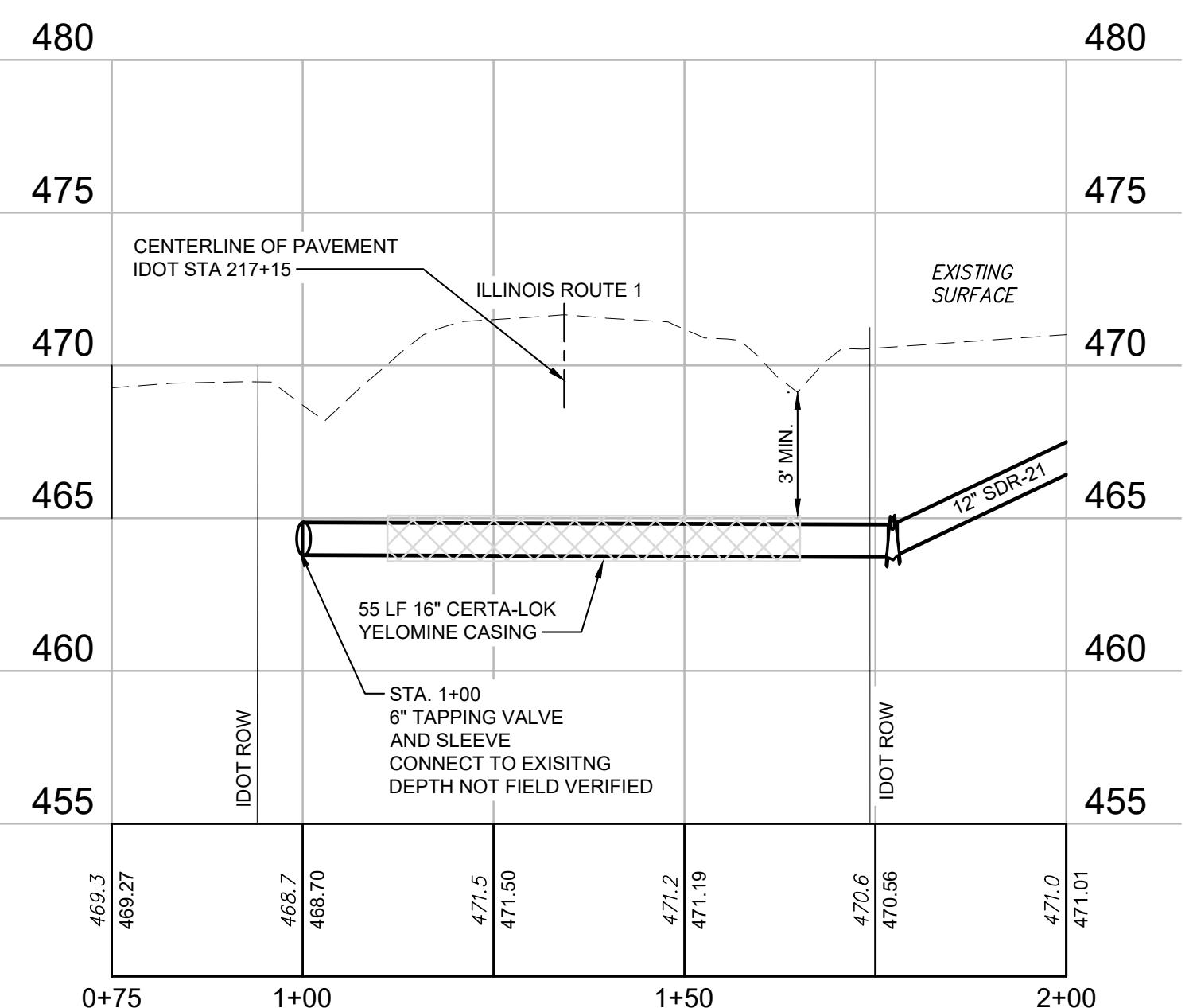
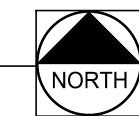
www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
1 08/18/2021 BASIS OF DESIGN REVIEW
2 10/21/2021 SITE UPDATE
3 01/05/2026 ADDENDUM #2



1 PROPOSED WATER MAIN PLAN

SCALE: 1"=20'



ILLINOIS ROUTE 1 - 12" WATER MAIN CROSSINGS

PROPOSED WATER MAIN PROFILE

SCALE: H 1"=20' V 1"=5'

BID SET

PROJECT:
Robinson-Palestine Water
Commission

**Water Treatment Plant
and Campus**

10711 N. State Highway 1
Robinson, IL 62454

DATE: 11/14/2025
DESIGNED: ACH
DRAWN: GAB/BMH
REVIEWED: ACH
FIELD BOOK NO.:
SHEET TITLE:

**WATER MAIN PLAN &
PROFILE**

**RTE. 1 IDOT
CROSSINGS**

SHEET NUMBER:

C1

Sanju, Mokammel

From: Hanfland, Andy
Sent: Tuesday, December 30, 2025 2:48 PM
To: Heath Seaton
Cc: Sanju, Mokammel
Subject: RE: Questions regarding Robinson/Palestine WTP project

Heath,

Yes those lines can be shut down for a reasonable amount of time (8-10 hours). The 20" would be more critical than the 12's. But it's importance is lessened once the new plant is operational and water is being produced.

Andy

Andrew C. Hanfland P.E. / Senior Engineering Manager
o / 217.531.1253 d / 217.305.7614 c / 217.343.6993
FARNSWORTH GROUP

From: Heath Seaton <heath@kiefferbros.net>
Sent: Tuesday, December 30, 2025 2:00 PM
To: Hanfland, Andy <ahanfland@f-w.com>
Subject: Re: Questions regarding Robinson/Palestine WTP project



This message needs your attention

- No employee in your company has ever replied to this person.

Farnsworth Group IT - Report via Phish Alert if Suspicious

Good afternoon Mr. Handfland,

I have a question regarding sheet C3.5 (Existing WTP site plan). Will the two 12" and 20" lines that we are tying in be able to be shut off during the tie in and cut and cap process? I wanted to get clarification because this will affect how we bid it.

Thank you!

Heath Seaton

Project Superintendent



Kieffer Brothers Construction, Inc.

933 West 3rd Street

Mt. Carmel, IL 62863

c: 812.499.1220

p: 618.262.5108

f: 618.263.3215

On Fri, Dec 19, 2025 at 8:10 AM Heath Seaton <heath@kiefferbros.net> wrote:

Mr. Handfland,

Good morning. I have 2 questions regarding the Robinson- Palestine project. Question #1- is just clarification if the waterline to be installed from the wells is 20" or 16"? Sheet C2.1-C2.3 shows it being 20". However, sheet Q3.2 - Q3.3 shows it being 16". Question #2 - Does the water line to be installed require bedding, haunching and backfilled 12" above with CA-7 or will excavation materials be sufficient?

Thank you,

Heath Seaton

Project Superintendent



Kieffer Brothers Construction, Inc.

933 West 3rd Street

Mt. Carmel, IL 62863

c: 812.499.1220

p: 618.262.5108

f: 618.263.3215

Sanju, Mokammel

From: Sanju, Mokammel
Sent: Wednesday, January 14, 2026 2:37 PM
To: Sanju, Mokammel
Subject: FW: Questions regarding Robinson/Palestine WTP project

See responses in red below

Sanju Mokammel / Engineering Associate II
o / 217.352.7408 d / 217.318.5858 c / 217.721.4771

FARNSWORTH GROUP

2211 West Bradley Avenue / Champaign, IL 61821

www.f-w.com



Proud to be A Great Place to Work® Certified Company!

From: Heath Seaton <heath@kiefferbros.net>
Sent: Friday, December 19, 2025 8:10 AM
To: Hanfland, Andy <ahanfland@f-w.com>
Subject: Questions regarding Robinson/Palestine WTP project



This message needs your attention

- This is their first email to your company.

Farnsworth Group IT - Report via Phish Alert if Suspicious

Mr. Handfland,

Good morning. I have 2 questions regarding the Robinson- Palestine project. Question #1- is just clarification if the waterline to be installed from the wells is 20" or 16"? Sheet C2.1-C2.3 shows it being 20". However, sheet Q3.2 - Q3.3 shows it being 16".

20", connection from existing 16" south of Rte. 33

Question #2 - Does the water line to be installed require bedding, haunching and backfilled 12" above with CA-7 or will excavation materials be sufficient?

For water main no bedding with stone is required, unless it is under pavement. for concrete storm sewer pipe, bedding below and half way up the pipe. For all pvc gravity pipe bedding from 4" below to 1' above is required

Thank you,

Heath Seaton

Project Superintendent



Kieffer Brothers Construction, Inc.

933 West 3rd Street

Mt. Carmel, IL 62863

c: 812.499.1220

p: 618.262.5108

f: 618.263.3215

Request for Clarification 1

**Water Treatment Plant and Campus
Robinson Palestine Water Commission**

Project 0210007.00

Korte & Luitjohan Contractors, Inc.

Hal Klaus

estimating@korteluitjohan.com

1/15/26

RFC #1: The first page of the Advertisement For Bid lists and describes the scope of the three divisions to be bid. Page 3 of the Bid Form does the same. In both instances, Division C says to include all underground water main, water services, sanitary sewer, and storm sewer within 5' of the building/structure or foundation. Should we interpret this to mean "up to 5'" instead of within 5'? Please clarify.

Answer: Yes, please interpret as all piping "up to 5 feet" of any building.

Sanju, Mokammel

From: Sanju, Mokammel
Sent: Wednesday, January 14, 2026 1:37 PM
To: Sanju, Mokammel
Subject: FW: Robinson WTP

Sanju Mokammel / Engineering Associate II
o / 217.352.7408 d / 217.318.5858 c / 217.721.4771

FARNSWORTH GROUP

2211 West Bradley Avenue / Champaign, IL 61821

www.f-w.com



Proud to be A Great Place to Work® Certified Company!

From: Sanju, Mokammel
Sent: Monday, January 12, 2026 5:44 PM
To: Hanfland, Andy <ahanfland@F-W.com>
Subject: RE: Robinson WTP

The RR4 around the riprap is part of Division A because it includes backwash pond/drainage structures.

Sanju Mokammel / Engineering Associate II
o / 217.352.7408 d / 217.318.5858 c / 217.721.4771

FARNSWORTH GROUP

2211 West Bradley Avenue / Champaign, IL 61821

www.f-w.com



Proud to be A Great Place to Work® Certified Company!

From: Hanfland, Andy <ahanfland@F-W.com>
Sent: Monday, January 12, 2026 4:21 PM
To: Sanju, Mokammel <ssanju@F-W.com>
Subject: FW: Robinson WTP

Andrew C. Hanfland P.E. / Senior Engineering Manager
o / 217.531.1253 d / 217.305.7614 c / 217.343.6993

FARNSWORTH GROUP

From: Al Wagner <alwagner@schomburginc.com>
Sent: Wednesday, December 31, 2025 9:18 AM
To: Hanfland, Andy <ahanfland@F-W.com>
Cc: Butch Buesing <bbuesing@schomburginc.com>; David Walter <dwalter@schomburginc.com>; Brian Hughes

<bhughes@schomburginc.com>

Subject: Robinson WTP



This message could be suspicious

- The sender's email address couldn't be verified.

Farnsworth Group IT - Report via Phish Alert if Suspicious

Andt,

Does the rip rap liner on the backwash pond belong with Div A or Div C?

Al



A1 Wagner

Project Manager/Estimator

Phone: 217-304-3576

923 N Collett St, Danville, IL 61832

alwagner@schomburginc.com

**SCHOMBURG & SCHOMBURG
CONSTRUCTION INC.**

DANVILLE, IL
(217) 442-3002

www.schomburginc.com

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by Mimecast, a leader in email security and cyber resilience. Mimecast integrates email defenses with brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.

Sanju, Mokammel

From: Sanju, Mokammel
Sent: Monday, January 12, 2026 3:10 PM
To: Hanfland, Andy
Subject: FW: RFI - Robinson-Palestine WTP

From: David Walter <dwalter@schomburginc.com>
Sent: Friday, December 19, 2025 3:45 PM
To: Hanfland, Andy <ahanfland@f-w.com>
Cc: Al Wagner <alwagner@schomburginc.com>; Brian Hughes <bhughes@schomburginc.com>
Subject: RFI - Robinson-Palestine WTP



This message could be suspicious

- The sender's email address couldn't be verified.

Farnsworth Group IT - Report via Phish Alert if Suspicious

Mr. Hanfland,

I have a few more questions:

12. Detail 1 on 03.S1.1 shows the Lid Plan of the Detention Head Tank. The cross section detail 3 on 03S3.1 and detail 1 on 03S3.2 show hatches in the lid. The call-out note in this detail says "Hatch lid and conn to curb – See Processing". What hatches on the WTP building does this note refer to? What type of hatch do you want? What are the hatch dimensions? The specifications do not contain a section on hatches.

See sheets Q3.1 and Q3.2 for hatch details. The hatch is Haliday Hatch Model F1R3672 as denoted on the plans.

13. On sheet 02A1.1, there is a television labeled 10.01 on the outside wall in the Office and Lab (201). Is this part of the contract? If so, do you have a model or specification? Yes, part of the contract. The keynotes for the television models are added to the revised A sheets included in Addendum #02. Below is a summary of the TV models.

10.01 WALL MOUNTED TELEVISION; BASIS OF DESIGN: SAMSUNG 55" CLASS, U7900 SERIES, OR APPROVED EQUAL

10.02 WALL MOUNTED TELEVISION; BASIS OF DESIGN: SAMSUNG 32" CLASS, H5000F SERIES, OR APPROVED EQUAL

14. On sheet 02A1.1, below note 10.01, there appears to be a shelf of some sort as shown in the detail 3/02A5.1, but I find no other details or explanation what this is. Please advise.

Please elaborate the question, these references do not match what your question is.

15. The specifications include Section 10 11 00 Visual Display Units, but I find none on the drawings. Please advise.

These are referring to markerboards. Interior plan sheets and schedule has these marker boards noted. Please refer to sheets GI0.1 and 01 I1.1.

16. The specifications include Section 12 24 00 Window Shades, but I find none indicated on the drawings. Please advise.

The roller shade product information is in the Window Treatment schedule on GI0.1 and Finish plan general note letter G on 01I1.1 indicates all exterior glazing should receive RS-1.

17. On sheet C1.1, north of the Storage and O&M buildings, there appears to be a swale that drains east to the basin. At the outlet of the swale there are two parallel lines with intermittent groups of 3 dots running westerly until they terminate at some straw bales. What are these parallel lines with dots? I don't see a legend with comparable designation.

Those parallel lines are drainage lines. They represent the toe of the ditch slope.

18. Will a project sign be required?

Yes, in accordance with IEPA The Public Water Supply Loan Program (PWSLP)



David Walter

Phone: 217.354.2527

923 N Collett St, Danville, IL 61832

dwalter@schomburginc.com



www.schomburginc.com

--



Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by Mimecast, a leader in email security and cyber resilience. Mimecast integrates email defenses with brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.

Sanju, Mokammel

From: Sanju, Mokammel
Sent: Wednesday, January 14, 2026 1:43 PM
To: Sanju, Mokammel
Subject: FW: Robinson WTP

Please see the attached sheets at the end of this email for division scope boundaries.

Thanks,

Sanju Mokammel / Engineering Associate II
o / 217.352.7408 d / 217.318.5858 c / 217.721.4771

FARNSWORTH GROUP

2211 West Bradley Avenue / Champaign, IL 61821

www.f-w.com



Proud to be A Great Place to Work® Certified Company!

From: Al Wagner <alwagner@schomburginc.com>
Sent: Wednesday, December 31, 2025 11:50 AM
To: Hanfland, Andy <ahanfland@F-W.com>
Cc: David Walter <dwalter@schomburginc.com>; Brian Hughes <bhughes@schomburginc.com>
Subject: RE: Robinson WTP



This message could be suspicious

- The sender's email address couldn't be verified.

Farnsworth Group IT - Report via Phish Alert if Suspicious

Andy,

Q1.1 – The valves to & from the header tank are less than 5' from the footing but more than 5' from the wall. Are they in Div A or C?

Q 4.1/ 4 – Is the hydrant in Div C or B and is there 1 or 2?

Al



A1 Wagner

Project Manager/Estimator

Phone: 217-304-3576

923 N Collett St, Danville, IL 61832

alwagner@schomburginc.com



www.schomburginc.com

From: Hanfland, Andy <ahanfland@F-W.com>

Sent: Wednesday, December 31, 2025 9:19 AM

To: Al Wagner <alwagner@schomburginc.com>

Subject: RE: Robinson WTP

Please respond with your questions from yesterday.

Andy

Andrew C. Hanfland P.E. / Senior Engineering Manager

o / 217.531.1253 d / 217.305.7614 c / 217.343.6993

FARNSWORTH GROUP

From: Al Wagner <alwagner@schomburginc.com>

Sent: Wednesday, December 31, 2025 8:18 AM

To: Hanfland, Andy <ahanfland@F-W.com>

Cc: Butch Buesing <bbuesing@schomburginc.com>; David Walter <dwalter@schomburginc.com>; Brian Hughes <bhughes@schomburginc.com>

Subject: Robinson WTP

Andt,

Does the rip rap liner on the backwash pond belong with Div A or Div C?

Al



A1 Wagner

Project Manager/Estimator

Phone: 217-304-3576

923 N Collett St, Danville, IL 61832

alwagner@schomburginc.com



www.schomburginc.com

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by Mimecast, a leader in email security and cyber resilience. Mimecast integrates email defenses with brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by Mimecast, a leader in email security and cyber resilience. Mimecast integrates email defenses with brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.



Farnsworth
GROUP

400 WEST JEFFERSON, SUITE A
EFFINGHAM, ILLINOIS 62401
(217) 531-1253 / info@f-w.com

www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE: # DATE: DESCRIPTION:
#106-18-2021 BASIS OF DESIGN REVIEW
#2 10-21-2021 SITE UPDATE

BID SET

PROJECT:
Robinson-Palestine Water
Commission

Water Treatment Plant and Campus

10711 N. State Highway 1
Robinson, IL 62454

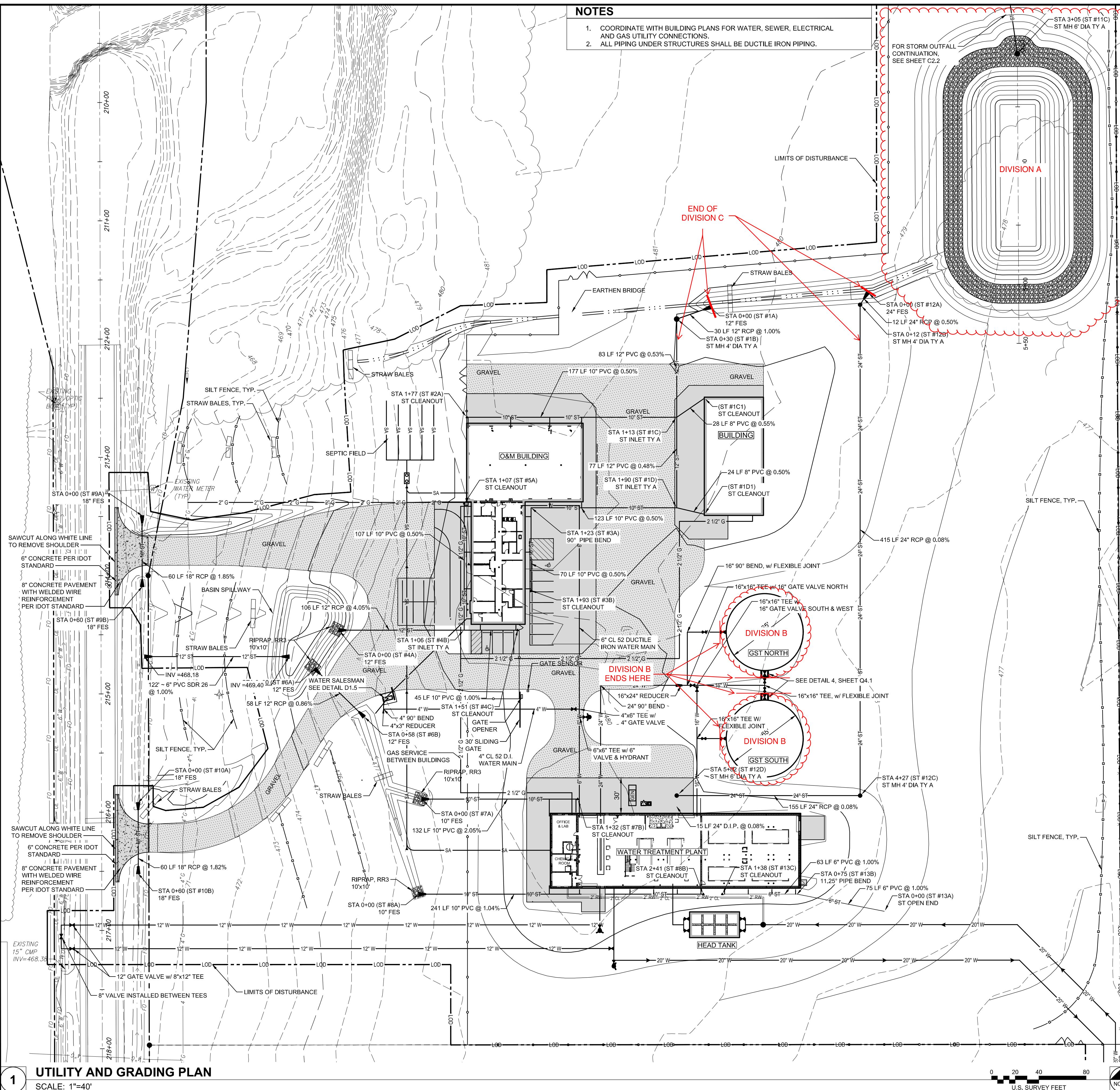
DATE: 11/14/2025
DESIGNED: RRN
DRAWN: RRN
REVIEWED: ACH
FIELD BOOK NO.:

SHEET TITLE: **UTILITY PLAN**

SHEET NUMBER:

C2.1

PROJECT NO.: 021000700



| STORM STRUCTURE DATA | | | | |
|------------------------------|--------|---|------------------------|--|
| NAME | RIM | INV. IN | INV. OUT | |
| ST #1A 12" FES | | 12" INV. = 477.22 (W) | | |
| ST #1B ST MH 4" DIA TY A | 480.69 | 12" INV. = 477.62 (S) | 12" INV. = 477.52 (E) | |
| ST #1C ST INLET TY A | 480.20 | 8" INV. = 479.34 (NE) 10" INV. = 478.61 (W) 12" INV. = 478.06 (S) | 12" INV. = 478.06 (N) | |
| ST #1C1 ST CLEANOUT | 480.96 | | 8" INV. = 479.50 (SW) | |
| ST #1D ST INLET TY A | 480.15 | 10" INV. = 478.62 (W) 8" INV. = 478.60 (E) | 12" INV. = 478.52 (N) | |
| ST #1D1 ST CLEANOUT | 480.96 | | 8" INV. = 478.72 (W) | |
| ST #2A ST CLEANOUT | 481.19 | | 10" INV. = 479.50 (E) | |
| ST #3A 90° PIPE BEND | | 10" INV. = 479.23 (S) | 10" INV. = 479.23 (E) | |
| ST #3B ST CLEANOUT | 481.27 | | 10" INV. = 479.58 (N) | |
| ST #4A 12" FES | | 12" INV. = 474.00 (E) | | |
| ST #4B ST INLET TY A | 481.40 | 10" INV. = 478.96 (N) 10" INV. = 478.40 (E) | 12" INV. = 478.30 (W) | |
| ST #4C ST CLEANOUT | 481.40 | | 10" INV. = 478.85 (W) | |
| ST #5A ST CLEANOUT | 481.40 | | 10" INV. = 479.50 (S) | |
| ST #6A 12" FES | | 12" INV. = 474.50 (SE) | | |
| ST #6B 12" FES | | | 12" INV. = 475.00 (NW) | |
| ST #7A 10" FES | | 10" INV. = 475.75 (E) | | |
| ST #7B ST CLEANOUT | 481.45 | | 10" INV. = 478.45 (W) | |
| ST #8A 10" FES | | 10" INV. = 476.50 (E) | | |
| ST #8B ST CLEANOUT | 480.50 | | 10" INV. = 479.00 (W) | |
| ST #9A 18" FES | | 18" INV. = 466.25 (S) | | |
| ST #9B 18" FES | | | 18" INV. = 467.36 (N) | |
| ST #10A 18" FES | | 18" INV. = 467.54 (S) | | |
| ST #10B 18" FES | | | 18" INV. = 468.63 (N) | |
| ST #11A 10" FES | | 10" INV. = 471.06 (S) | | |
| ST #11B ST MH 4" DIA TY A | 476.50 | 10" INV. = 471.36 (S) | 10" INV. = 471.26 (N) | |
| ST #11C ST MH 4" DIA TY A | 474.00 | | 10" INV. = 472.18 (N) | |
| ST #12A 24" FES | | 24" INV. = 476.80 (SW) | | |
| ST #12B ST MH 4" DIA TY A | 480.10 | 24" INV. = 476.96 (S) | 24" INV. = 476.86 (NE) | |
| ST #12C ST MH 4" DIA TY A | 480.50 | 24" INV. = 477.40 (W) | 24" INV. = 477.30 (N) | |
| ST #12D ST MH 6" DIA TY A | 480.70 | 24" INV. = 477.63 (S) | 24" INV. = 477.53 (E) | |
| ST #13A ST OPEN END | | 6" INV. = 478.12 (W) | | |
| ST #13B 11.25" PIPE BEND | | 6" INV. = 478.87 (W) | 6" INV. = 478.87 (E) | |
| ST #13C ST CLEANOUT | 480.50 | 6" INV. = 479.50 (E) | | |

| STORM PIPE TABLE | | | | | |
|-------------------|------|------------|--------|-----------|---------|
| NAME | SIZE | MATERIAL | LENGTH | INV. DOWN | INV. UP |
| ST #1A - ST #1B | 12" | 12" RCP | 30' | 477.22 | 477.52 |
| ST #1B - ST #1C | 12" | 12" PVC | 83' | 477.62 | 478.06 |
| ST #1C - ST #1C1 | 8" | 8" PVC | 28' | 479.34 | 479.50 |
| ST #1C - ST #1D | 12" | 12" PVC | 77' | 478.16 | 478.52 |
| ST #1C - ST #2A | 10" | 10" PVC | 177' | 478.61 | 479.50 |
| ST #1D - ST #1D1 | 8" | 8" PVC | 24' | 478.60 | 478.72 |
| ST #1D - ST #3A | 10" | 10" PVC | 123' | 478.62 | 479.23 |
| ST #3A - ST #4B | 12" | 12" RCP | 106' | 478.40 | 479.38 |
| ST #4A - ST #4B | 12" | 12" PVC | 58' | 478.60 | 479.38 |
| ST #4A - ST #4C | 10" | 10" PVC | 45' | 478.40 | 478.85 |
| ST #4B - ST #5A | 10" | 10" PVC | 132' | 478.05 | 478.96 |
| ST #6A - ST #6B | 12" | 12" RCP | 58' | 474.50 | 475.00 |
| ST #7A - ST #7B | 10" | 10" PVC | 155' | 478.45 | 478.45 |
| ST #8A - ST #8B | 10" | 10" PVC | 241' | 476.50 | 479.00 |
| ST #9A - ST #9B | 18" | 18" RCP | 60' | 466.25 | 467.36 |
| ST #10A - ST #10B | 18" | 18" RCP | 60' | 467.54 | 468.63 |
| ST #11A - ST #11B | 10" | 10" PVC | 20' | 471.06 | 471.26 |
| ST #11B - ST #11C | 10" | 10" PVC | 205' | 471.36 | 472.18 |
| ST #12A - ST #12B | 24" | 24" RCP | 12' | 476.86 | 476.80 |
| ST #12B - ST #12C | 24" | 24" RCP | 415' | 477.30 | 476.96 |
| ST #12C - ST #12D | 24" | 24" RCP | 155' | 477.40 | 477.53 |
| ST #12D - PLANT | 24" | 24" D.I.P. | 15' | 477.63 | 477.64 |
| ST #13A - ST #13B | 6" | 6" PVC | 75' | 478.12 | 478.87 |
| ST #13B - ST #13C | 6" | 6" PVC | 63' | 478.87 | 479.50 |

Sanju, Mokammel

From: Sanju, Mokammel
Sent: Thursday, January 15, 2026 9:06 AM
To: Sanju, Mokammel
Subject: FW: Robinson-Palestine WTP

From: Wagner, Bond <bwagner@F-W.com>
Sent: Thursday, January 15, 2026 8:58 AM
To: Hanfland, Andy <ahanfland@F-W.com>
Cc: Sanju, Mokammel <ssanju@F-W.com>
Subject: RE: Robinson-Palestine WTP

Where walls run parallel to trusses, provide 2x blocking in between bottom chord of trusses at 24" o.c.

Bond S. Wagner, AIA, NCARB / Architectural Manager
o / 309.689.9888 c / 309.648.9504
FARNSWORTH GROUP

From: David Walter <dwalter@schomburginc.com>
Sent: Wednesday, January 14, 2026 5:28 PM
To: Hanfland, Andy <ahanfland@f-w.com>
Cc: Brian Hughes <bhughes@schomburginc.com>; Al Wagner <alwagner@schomburginc.com>
Subject: Robinson-Palestine WTP



This message could be suspicious

- The sender's email address couldn't be verified.

Farnsworth Group IT - Report via Phish Alert if Suspicious

Andy,

Another question.

Detail 1 on o1A7.1 shows all of the wood-framed partition types with 4x4 continuous 18 ga aluminum angles attached to the bottom of the trusses. I can see how this works when the partitions are perpendicular to the trusses: It allows the trusses to move vertically while keeping the top of the wall braced to the structure. If you intend to have these angles at the top of the walls where the trusses are parallel to the bottom chords of the trusses, how do we attach the angles and at what spacing?

Thanks!



David Walter

Phone: 217.354.2527

923 N Collett St, Danville, IL 61832

dwalter@schomburginc.com



www.schomburginc.com



State of Illinois Central Management Services - Certification
Women Business Enterprise (WBE) Business Enterprise Program

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by Mimecast, a leader in email security and cyber resilience. Mimecast integrates email defenses with brand protection, security awareness training, web security, compliance and other essential capabilities. Mimecast helps protect large and small organizations from malicious activity, human error and technology failure; and to lead the movement toward building a more resilient world. To find out more, visit our website.



Robinson Palestine Water Treatment Plant and Campus

0210007.00

Attn: Andrew Hanfland/Bond Wagner

RFI Log...

12/29/25

1. Architectural: Where can I find the design narrative for the storage building?

A: Spec Section 13 34 00

2. Civil: Is there an overlap in the scopes of work for Bid Package A and C? Scope of work taken from 011100-1, 1.2

a. Division A scope of work:

- i. line 3 calls for Site valves, piping, fittings, and hydrant
- ii. line 4 calls for drainage structures

b. Division C scope of work is calling for all underground (site) piping within 5' of the buildings...inclusive of water, storm, storm structures, sanitary, etc...

A: Division A includes all site piping except what is in Division C. i.e. Chemical piping, electrical conduits, etc.

3. Civil: Is the septic system to be a part of Division C?

A: Yes

4. Civil: Can I get an aerial view that encompasses all piping that is taking place off site (To the south across Rt 33 and to the north along Rt 1) ??

A: All piping that is needed to complete the project is already shown on the plans.

5. Civil: Will site gas line be included as part of Division C? Is there a spec for the site gas line?

A: Will be part of Division A.

6. Architectural: Per Metal Building Spec (13 24 19) we are to use vented soffit for ventilation...Per plan page 01A2.1 we are to use a vented ridge...The PEMB roof will not vent...Can we omit the vented soffit and ridge on the PEMB?

A: See Attached A sheets on Addendum #2. Below is a summary of changes on those sheets.

SHEET 01A2.1

DELETE ridge vent notation at PEMB.

REVISE gutter material of PEMB to metal, in lieu of aluminum.

SHEET 01A3.1

DELETE ridge vent notation at PEMB.

REVISE gutter and downspout material of PEMB to metal, in lieu of aluminum.

SHEET 01A5.1

REVISE gutter and downspout material of PEMB to metal, in lieu of aluminum.

Section 13 34 19 – Metal Building Systems – Part 2.8, C: DELETE “perforated for ventilation”.

7. Architectural: Typical PEMB gutters and downspouts are steel...Can we use steel instead of aluminum as shown on plans?

A: Answered in Question No. 6.