



May 6, 2026

CHANGE ORDER NO. 11

PROJECT: West Sewage Treatment Plant (STP) Improvements  
 OWNER: City of Crest Hill, Illinois  
 CONTRACT: 1-2022  
 CONTRACTOR: Vissering Construction Company

**Description of Change**

11a	Work described in the enclosed Contractor’s Cost Proposal Request (CPR) 044 Revision 1 (dated October 30, 2025) and Engineer’s CPR 044 (dated August 26, 2025) related to providing a platform lift to the second floor at Building E70.	ADD	\$26,124
11b	Work described in the enclosed Contractor’s CPR 048 Revision 2 (dated April 13, 2026) related to settled biosolids removal, dewatering, and disposal at the aeration tanks and anaerobic digesters.	ADD	\$233,169
11c	Work described in the enclosed Contractor’s CPR 050 Revision 1 (dated March 5, 2026) and Engineer’s CPR 050 Revision 1 (dated January 28, 2026) related to adding a run dry protection sensor, conduit, and wire to the plant water pump system.	ADD	\$12,113
11d	Work described in the enclosed Contractor’s CPR 051 (dated February 24, 2026) and enclosed Engineer’s CPR 051 Revision 1 (dated February 5, 2026) related to supervisory control and data acquisition data storage changes to the Historian License.	ADD	\$55,146
11e	Work described in the enclosed Contractor’s CPR 052 (dated April 20, 2026) and enclosed Engineer’s CPR 052 (dated April 9, 2026) related to providing additional emergency-stop push buttons for the tertiary filter equipment.	ADD	\$11,722
11f	Work described in the enclosed Contractor’s CPR 054 (dated May 4, 2026) related to repowering the Anaerobic Digester Building on a time and material basis.	ADD	\$17,708
<b>TOTAL VALUE OF THIS CHANGE ORDER:</b>		<b>ADD</b>	<b>\$355,982</b>

**Contract Price Adjustment**

Original Contract Price	\$50,640,000
Previous Change Order Adjustments	(\$944,292)
Adjustment in Contract Price this Change Order	\$355,982
<b>Current Contract Price including this Change Order</b>	<b>\$50,051,690</b>

City of Crest Hill–Vissering Construction Company  
Contract 1-2022, Change Order No. 11  
Page 2  
May 6, 2026

**Contract Substantial Completion Date Adjustment**


Original Contract Substantial Completion Date	December 1, 2024
Contract Substantial Completion Date Adjustments due to previous Change Orders	548 days
Contract Substantial Completion Date Adjustments due to this Change Order	0 days
Current Substantial Contract Completion Dates including all Change Orders	June 1, 2026

**Contract Final Completion Date Adjustment**

Original Contract Final Completion Date	March 1, 2025
Contract Final Completion Date Adjustments due to previous Change Orders	640 days
Contract Final Completion Date Adjustments due to this Change Order	0 days
Current Final Contract Completion Dates including all Change Orders	December 1, 2027

This document shall become a supplement to the Contract and all provisions will apply hereto.

**RECOMMENDED**

	May 6, 2026
_____ ENGINEER–Strand Associates, Inc.®	_____ Date

**APPROVED**

	May 7, 2026
_____ CONTRACTOR–Vissering Construction Company	_____ Date

**APPROVED**

	May 8, 2026
_____ OWNER–City of Crest Hill, Illinois	_____ Date



**PROPOSAL  
WORKSHEET SUMMARY**

Project: CITY OF CREST HILL - WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

Change Order Request #: 044

To: Strand Associates, Inc.  
Dominic Gattone, PE

Date: 10/30/2025  
A/E Project #: IDFPR No. 184-001273  
VCC Project #: 11108.00

WORK DESCRIPTION
<p>Per CPR044 - Make changes to the platform lift installation, which replaced the elevator as part of CPR/CO#1.</p>

Line No	Cost Description	Labor Amt	Material Amt	Equip & Other Amt	Sub-Contractor Amt	Sub-Total
1	Connelly Electric - See Attached				\$ 1,325.00	\$ 1,325.00
2	Vissering Construction	\$ 5,280.00	\$ 1,836.00	\$ 88.00		\$ 7,204.00
3	Ameri Glide - Original Pricing - See Attached		\$ (19,670.00)			\$ (19,670.00)
4	Ameri Glide - Final Pricing - See Attached		\$ 29,014.00			\$ 29,014.00
5	Doors/Frames/Hardware - LaForce - See Attached		\$ 2,076.00			\$ 2,076.00
6	Signage - Spec Ten - See Attached		\$ 275.00			\$ 275.00
7	Tape & Paint Drywall - RP Coatings - See Attached				\$ 2,610.00	\$ 2,610.00
8						\$ -
9						\$ -
10						\$ -
11						\$ -
12						\$ -
13						\$ -
14						\$ -
15						\$ -
16						\$ -
17						\$ -
18						\$ -
19						\$ -
20						\$ -
21						\$ -
22						\$ -
23						\$ -
24						\$ -
25						\$ -
<b>Sub-Total</b>		<b>\$ 5,280.00</b>	<b>\$ 13,531.00</b>	<b>\$ 88.00</b>	<b>\$ 3,935.00</b>	<b>\$ 22,834.00</b>

**ACCEPTANCE OF PROPOSAL (OWNER): City of Crest Hill**

Name/Title: Gary Richardson, Public Works Director  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Contractor's Net: \$ 18,899.00  
Sub-Contractor's Net: \$ 3,935.00  
Net Subtotal: \$ 22,834.00  
Contractor's Fee: (15% on Own Work, 5% on Subs, & 0% on Credits): \$ 3,031.60  
Sub-Total: \$ 25,865.60  
Bonds & Insurance - 1%: \$ 258.66  
**Worksheet Total: \$ 26,124.00**

**ACCEPTANCE OF PROPOSAL (A/E): Strand Associates, Inc.**

Name/Title: Dominic Gattone, PE  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**ACCEPTANCE OF PROPOSAL (CONTRACTOR): VISSERING CONSTRUCTION CO**

Name/Title: Tony Marzetta, Project Manager  
Signature: \_\_\_\_\_  
Date: October 30, 2025



40 S. Addison Rd.  
Addison, IL 60101

# CHANGE NOTICE

Connelly CCN # **024**  
 Field Ticket #  
 Date: 10/2/2025  
 Project Name: Crest Hill WWTP - West Sewage Treatment Plant  
 Project Number: 22-0686  
 Page Number: 1

**Client Address:**

**Vissering Construction**

1631 Gaylord Rd.  
Crest Hill, IL 60403  
Telephone: 815.673.5511  
Contact: Tony Marazetta

**Site Address:**

**Vissering Construction**

Contact: Tony Marazetta  
1631 Gaylord Rd.  
Crest Hill, IL 60403

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**Work Description**

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This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.  
 This price is good for acceptance within **10** days from the date of receipt.  
 We request a time extension of **0** days.  
 We will supply and install all materials, labor, and equipment as per your instructions on **Connelly CCN # 024**.

**Description:**

This CCN was generated in response to CPR044 - Platform Lift.

Per the Cost Proposal No. 44, the purpose of this request is to make changes to the platform lift installation, which replaced the elevator as part of Cost Proposal Request (CPR)/Change Order No. 1.

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**Itemized Breakdown**

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Description	Qty	Total Mat.	Total Hrs.
Misc. Materials	1	100.00	8.00
<b>Totals</b>	<b>1</b>	<b>100.00</b>	<b>8.00</b>

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**Summary**


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**MATERIAL**

General Materials		100.00
<b>Material Total</b>		<b>100.00</b>
Foreman	(8.00 Hrs @ \$130.91)	1,047.28
Overhead	(@ 10.000 %)	114.73
Markup	(@ 5.000 %)	63.10
<b>Subtotal</b>		<b>1,325.11</b>
<b>Final Amount</b>		<b>\$1,325.11</b>

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1. **Shopping Cart**
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# Your Shopping Cart

"

Product	Qty Quantity	Price	Total
 <a href="#">AmeriGlide - Hercules 750 - Commercial</a>	<input type="text" value="1"/>	\$19,670.00	<b>\$19,670.00</b>

**Category: Vertical Platform Lifts**

**Base Price \$6,499.00**

**Commercial DC 750 Includes**

2252 Keys \$0.00  
 Rocker Switch or NEMA 3R \$0.00

**Handling \$0.00**  
**Shipping \$0.00**  
**Order Total \$19,670.00**

Promo Code

Add

Checkout

<b>Product</b>	<b>Qty Quantity</b>	<b>Price</b>	<b>Total</b>
<b>Base Price</b>		<b>\$6,499.00</b>	
Manually Resettable Audible Platform Alarm		\$0.00	
Pit Switch		\$0.00	
Grab Bar		\$0.00	
Platform Lights		\$0.00	
Main Disconnect		\$0.00	
AC Power Cord and Interlock Wiring Kit (for Interlocks Included with Doors, Gates)		\$0.00	
<b><u>Power Source</u></b>			
DC Battery Powered (2 x U1 Batteries Included)		\$0.00	
<b><u>Number of Stops</u></b>			
Two Stop		\$0.00	
<b><u>Lifting Height</u></b>			
160" Maximum Lift Height (190" Tower)		+\$7,999.00	
<b><u>Select Tower Bracket Type</u></b>			
Ground Bracket (for 115",130", 160")		\$0.00	
<b><u>Color of Unit</u></b>			
Grey (standard)		\$0.00	
<b><u>Fascia Panels</u></b>			
No Fascia Panels		\$0.00	
<b><u>Platform / Tower Configuration</u></b>			
Same Side Entry/Exit (For Hoistway Installs Only)		+\$999.00	
		<b>Handling</b>	\$0.00
		<b>Shipping</b>	\$0.00
		<b>Order Total</b>	<b>\$19,670.00</b>

<b>Product</b>	<b>Qty Quantity</b>	<b>Price</b>	<b>Total</b>
<b>Base Price</b>		<b>\$6,499.00</b>	
<b><u>Guard Panels / Cab</u></b>			
42" High Steel Guard Panels (Standard)		\$0.00	
<b><u>Wing Walls</u></b>			
No Wing Walls		\$0.00	
<b><u>Platform Canopy for 42" Panels (Rather Than Full Cab)</u></b>			
No Canopy		\$0.00	
<b><u>Platform Dimensions (Dimensions are All Clear)</u></b>			
36" x 54"		\$0.00	
<b><u>Platform Controls</u></b>			
Lighted Buttons for COP		+\$399.00	
<b><u>Entrance Gates &amp; Doors (Interlock Included with Door/Gate)</u></b>			
38" to 42" W x 42 H Upper Landing Gate (includes Call/Send in frame)		+\$1,695.00	
<b><u>Delivery Options</u></b>			
Site Shipping - Customer Provided Fork Lift OR Loading Dock on Site		\$0.00	
<b><u>Delivery State</u></b>			
Illinois		+\$2,079.00	
		<b>Handling</b>	<b>\$0.00</b>
		<b>Shipping</b>	<b>\$0.00</b>
		<b>Order Total</b>	<b>\$19,670.00</b>

**Need more information?**



5110 Atlantic Ave.  
 Raleigh, NC 27616  
 1 (800) 790-1635

## Sales Quotation #93993

For Vissering Construction  
 Created 10/13/25  
 Good Through 10/20/25  
 Prepared By Kenny Guzman

Item	Qty	Price	Ext.
<b>AmeriGlide - Hercules 750 - Commercial</b>	1	\$29,014.00	\$29,014.00
<b>Commercial DC 750 Includes</b>			
2252 Keys		incl.	
Rocker Switch or NEMA 3R		incl.	
Manually Resettable Audible Platform Alarm		incl.	
Pit Switch		incl.	
Grab Bar		incl.	
Platform Lights		incl.	
Main Disconnect		incl.	
AC Power Cord and Interlock Wiring Kit (for Interlocks Included with Doors, Gates)		incl.	
<b>Power Source</b>			
DC Battery Powered (2 x U1 Batteries Included)		incl.	
<b>Number of Stops</b>			
Two Stop		incl.	
<b>Lifting Height</b>			
160" Maximum Lift Height (190" Tower)		\$7,999.00	
<b>Select Tower Bracket Type</b>			
No Bracket Desired (for 44", 64", 78", 98")		incl.	
<b>Color of Unit</b>			
Grey (standard)		incl.	
<b>Fascia Panels</b>			

Item	Qty	Price	Ext.
No Fascia Panels		incl.	
<b>Platform / Tower Configuration</b>			
Same Side Entry/Exit (For Hoistway Installs Only)			\$999.00
<b>Guard Panels / Cab</b>			
42" High Steel Guard Panels (Standard)		incl.	
<b>Wing Walls</b>			
No Wing Walls		incl.	
<b>Platform Canopy for 42" Panels (Rather Than Full Cab)</b>			
No Canopy		incl.	
<b>Platform Dimensions (Dimensions are All Clear)</b>			
36" x 54"		incl.	
<b>Platform Controls</b>			
Lighted Buttons for COP			\$399.00
<b>Call/Send Options</b>			
Keyed Call/Send Flush Mount - Lower Landing			\$250.00
Keyed Call/Send Flush Mount - Upper Landing			\$250.00
<b>Other Options</b>			
Fixed Ramp for Bottom Landing			\$599.00
<b>Delivery Options</b>			
Site Shipping - Flatbed & Forklift Delivery (Available in Most Areas)			\$850.00
<b>Delivery State</b>			
Illinois			\$2,079.00
<b>Entrance Gates &amp; Doors (Interlock Included with Door/Gate)</b>			
Door 80" H x 36" W Fire Rated	2 @	\$2,250.00	
		ea	
		=	\$4,500.00
<b>Auto Operators and Closers</b>			
Auto Operator for Door Qty.	2 @	\$2,295.00	
		ea	
		=	\$4,590.00
			<hr/>
<b>Item</b>			\$29,014.00
<b>Total</b>			
<b>Est. Tax</b>			\$0.00
<b>Shipping</b>			\$0.00
<b>Total</b>			<b>\$29,014.00</b>

if clicking buy now does not work, copy and paste or type the following into your browser:  
<https://www.ameriglide.com/redeemQuote.html?q=YD6GNGV18P7NE1Y4>

**Buy Now**

## QUOTATION

DATE: 9/19/2025

VISSERING CONSTRUCTION  
175 BENCHMARK INDUSTRIAL DR  
P O BOX 417  
STREATOR, IL 61364  
USA

RE: CREST HILL WWTP CPR044  
Our Quote #: 527894QU  
Contact: AUSTIN NGUYEN  
Phone: 608.222.2424

- This quotation is subject to acceptance within 30 calendar days from the date of this quotation. If not accepted by that date it may be withdrawn or modified without notice.
- Tax quoted is LaForce's interpretation of taxes required, tax is subject to change depending on building permit and tax exempt certificate information.
- All quotes are subject to the potential addition of a cost surcharge contingent upon the final resolution of proposed import tariffs. Any surcharge(s), if applicable, will be disclosed at the time they are received.

FREIGHT INCLUDED  
F.O.B. JOBSITE (MATERIAL ONLY)

### HOLLOW METAL FRAMES/ HOLLOW METAL DOORS/ HARDWARE:

Bid Total with Tax Included	<u>\$2,231.00</u>
Tax breakout for base bid only (if alternate pricing is accepted, tax amount subject to change)	<u>\$155.00</u>
Base Bid Amount Less Tax	<u>\$2,076.00</u>

- 1 WELDED HM FRAMES
- 1 HM DOORS
- 1 LOT OF HARDWARE

### GENERAL QUALIFICATIONS

- Our price for all materials is based upon receipt of full approval and release within **4 months from bid day** for delivery by the manufacturer's standard leadtimes as quoted. If this timetable does not meet the requirements of this project, please call us to discuss further.
- JAMB DEPTH QUOTED AS 5 3/4
- FRAME QUOTED AS 90 MINUTE RATED
- DOOR QUOTED AS 90 MINUTE RATED

### LEADTIMES AFTER SUBMITTAL APPROVAL AND ANSWERS TO ALL QUESTIONS

HOLLOW METAL FRAMES: 6-8 WEEKS  
HOLLOW METAL DOORS: 10-13 WEEKS  
HARDWARE TO SHIP WITH DOORS

**THIS QUOTATION INCLUDES AND IS SUBJECT TO THE ONE PAGE OF TERMS AND CONDITIONS LOCATED AT THE END OF THIS QUOTATION.**

# SPEC TEN, etc., LLC

"a Division 10 & more company"

1586 North Road

E. Fairfield, Vermont 05448

Tel. (802) 849-9222 Fax (802) 849-9244

email: [andy@spectenvt.com](mailto:andy@spectenvt.com)

TO: Julie Eurich  
Vissering Constr. Co.

**QUOTE # 225-00**

Date: 09-16-2025

TERMS: TBD\*

FOB: Freight Allowed

## QUOTATION

<b>WWTP</b>
<b>CREST HILL, IL</b>

<i>We are pleased to quote the following, <b>per plans and specs...</b> <b>furnished only and delivered</b> to jobsite. (Excludes all taxes)</i>	<b><u>TOTAL</u> PRICE</b>
(2) Attachment "A" In Case Of Fire Do Not Use Lift signs	\$ 275.00

**Hardware and fasteners by others.**

NO RETAINAGE PERMITTED \*Deposits may be required on certain sections.

**VALID FOR 30 DAYS**

**SIGNATURE: Andy R. Tetrault, President**





October 29, 2025

To: Vissering Construction

Re: Crest Hill West Sewage Treatment Plant  
RFP 044

**Tape and paint new drywall**  
**Paint door and frame**

Labor

18 hrs @	\$	120.00 /hr.....	\$	<b>2,160</b>
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Materials & Equipment

1 rolls joint tape @	\$	5.50 /roll.....	\$	<b>6</b>
2 buckets joint compound @	\$	22.50 /bucket.....	\$	<b>45</b>
1 gal drywall primer @	\$	15.00 /gal.....	\$	<b>15</b>
2 gal acrylic finish @	\$	22.00 /gal.....	\$	<b>44</b>

Subtotal.....	\$		\$	<b>2,270</b>
15% Markup.....	\$		\$	<b>340</b>

<b>Total Add .....</b>	<b>\$</b>		<b>\$</b>	<b>2,610</b>
------------------------	-----------	--	-----------	--------------

Doug Penrod  
RP Coatings, Inc.  
Cell: 618-978-7595  
Email: doug@rpcoatings.com



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill  
Contract 1-2022  
August 26, 2025

COST PROPOSAL NO.: 044

TO: Vissering Construction  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

Tony Marzetta, Project Manager	Vissering Construction (Contractor)
Julius Hansen	City of Crest Hill
Dominic Gattone, P.E.	Strand Associates, Inc.®

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein. The purpose of this request is to make changes to the platform lift installation, which replaced the elevator as part of Cost Proposal Request (CPR)/Change Order No. 1.

DESCRIPTIONS AFFECTING THE DRAWINGS

**Drawing E70-ASM1.01**

- 044-01 Frame and drywall the northern and eastern shaft fenestration surrounding the newly proposed door on the first floor. See attached drawing.
- 044-02 Change manufacturer provided first-floor half-height door with full height mandoor. Rewire electrical componentry from manufacturer-provided call-station to interlock doorway hardware (automatic door opener) with platform lift system operation, as described below.  
  
Add row to Drawing 99-ASM6.01 Door 7002C, size 3'-6" x 7'-0", type - STL, active - HG, swing - RHR, frame type - 1, frame material - STL, hardware group - as provided by product manufacturer, active, lintel - B-1, Details, head - F-99-ASM6.02, jamb - F-99-ASM6.02, sill - N/A
- 044-03 Provide attached pictograph (Attachment A) at first floor and second floor call stations. Pictograph shall conform to Section 10 14 00 - Plastic and Metal Signs.

**Clarification: Fire Protection System shall remain in shaft as shown on E70-FP1.02.**

**Drawing E70-ASM1.02**

- 044-04 Frame northern shaft fenestration on second floor. See attached drawing. Standard manufacturer-provided door, its respective wiring, and call-station shall remain at the second floor.

DESCRIPTIONS AFFECTING THE SPECIFICATIONS

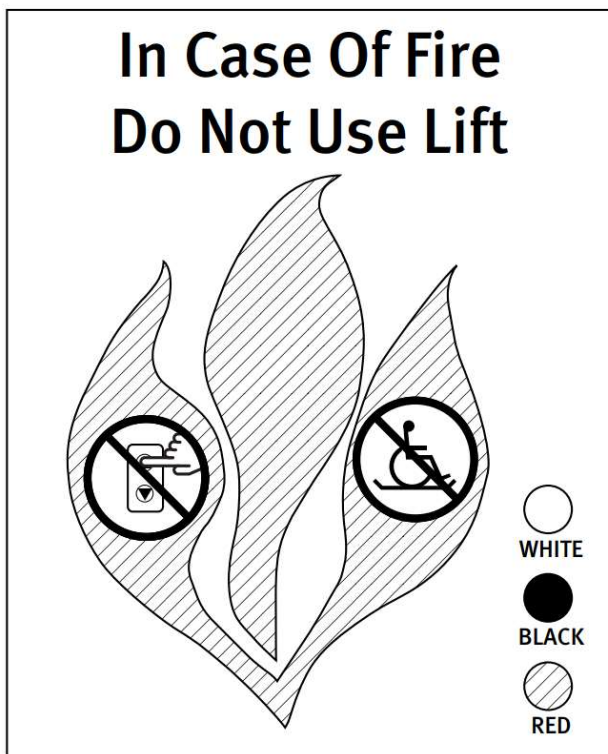
- 044-05 Add Section 08 71 10 - Automatic Door Operators, attached.

**Clarification: It is the intent of this CPR to have the door opener/closer system interlocked with the platform travel. With the changing of the first-floor door, the new door operation shall work in an identical way to the manufacturer's stock door. For example, the door will automatically unlock/open when the platform arrives from the second floor after an operator adjustable time delay. Additionally, the door will automatically open**



when the call button is pressed and the platform has arrived and stationed at the first floor. The door shall not open when the platform is not stationed there. If the first-floor door were to open and the platform is not in the down position, power to the platform shall be terminated.

Attachment A -



## SECTION 08 71 10

## AUTOMATIC DOOR OPERATORS

PART 1–GENERAL

## 1.01 SUMMARY

- A. This Section includes the following types of automatic door operators: Exterior and interior, automatic door operators, low energy, with bottom load headers and surface or concealed mounting.

## 1.02 REFERENCES

General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.

- A. Underwriters Laboratories (UL): UL 325–Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
- B. American National Standards Institute (ANSI)/Builders' Hardware Manufacturers Association (BHMA):
1. ANSI/BHMA A156.10: Standard for Power Operated Pedestrian Doors.
  2. ANSI/BHMA A156.19: Standard for Power Assist and Low Energy Power Operated Doors.
- C. American Society for Testing and Materials (ASTM):
1. ASTM B221–Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
  2. ASTM B209–Standard Specifications for Aluminum and Aluminum-Alloy Sheet and Plate.
- D. Builders' Hardware Manufacturers Association (BHMA): BHMAA156.10–Standard for Power Operated Pedestrian Door.
- E. American Association of Automatic Door Manufacturers (AAADM).
- F. National Fire Protection Association (NFPA):
1. NFPA 101–Life Safety Code.
  2. NFPA 70–National Electric Code.
- G. International Conference of Building Officials (ICBO): UBC 1997: Uniform Building Code.
- H. California Department of Forestry and Fire Protection, Office of the State Fire Marshall.
- I. International Standards Organization (ISO): ISO 9001–Standard for Manufacturing Quality Management Systems.

- J. National Association of Architectural Metal Manufacturers (NAAMM): Metal Finishes Manual for Architectural and Metal Products.
- K. American Architectural Manufacturers Association (AAMA):
  - 1. AAMA 607.1–Clear Anodic Finishes for Architectural Aluminum.
  - 2. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum.

### 1.03 DEFINITIONS

- A. Activation Device: Device that, when actuated, sends an electrical signal to the door operator to open the door.

### 1.04 PERFORMANCE REQUIREMENTS

- A. Provide automatic door operators capable of withstanding loads and thermal movements based on testing manufacturer's standard units in assemblies similar to those indicated for this Project.
- B. Operating Range: Minus 30°F (Minus 34°C) to 130°F (54°C).
- C. Opening-Force Requirements for Egress Doors: In the event power failure to the operator, swinging automatic entrance doors shall open with a manual force, not to exceed 30 lbf (133 N) applied at 1 inch (25 mm) from the latch edge of the door.
- D. Break Away Requirements: Automatic door operators shall breakaway with no more than 50 lbf (222 N) applied at 1 inch (25 mm) from the latch edge of the door.
- E. Door Energy: The kinetic energy of a door in motion shall not exceed 1.25 lbf-ft (1.69 Nm).
- F. Closing Time:
  - 1. Doors shall be field adjusted to close from 90 degrees to 10 degrees in 3 seconds or longer.
  - 2. Doors shall be field adjusted to close from 10 degrees to fully closed in not less than 1.5 seconds.

### 1.05 SUBMITTALS

- A. Submit listed submittals in accordance with Conditions of the Contract and Division 01 submittal procedures.
- B. Shop Drawings: Include plans, elevations, sections, details, hardware mounting heights, and attachments to other work. Indicate wiring for electrical supply.
- C. Color Samples for selection of factory-applied color finishes.
- D. Closeout Submittals: Provide the following with project close-out documents.
  - 1. Owner's Manual.
  - 2. Warranties.

## 1.06 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative, with certificate issued by AAADM, who is trained for installation and maintenance of units required for this Project.
- B. Manufacturer Qualifications: A qualified manufacturer with a manufacturing facility certified under ISO 9001 and with company certificate issued by AAADM.
- C. Certifications: Automatic door operators shall be certified by the manufacturer to meet performance design criteria in accordance with the following standards:
  - 1. ANSI A156.10.
  - 2. NFPA 101.
  - 3. UL 325 Listed (Fire Door Operator).
  - 4. ICBO (UBC Standard 10-1).
  - 5. California Department of Forestry and Fire Protection, Listed.
- D. Source Limitations: Obtain automatic door operators through one source from a single manufacturer.
- E. Product Options: Drawings indicate sizes, profiles, and dimensional requirements of automatic door operators and are based on the specific system indicated. Refer to Division 01 Section "Product Requirements."
- F. Power Operated Door Standard: ANSI/BHMA A156.19.
- G. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- H. Emergency-Exit Door Requirements: Comply with requirements of authorities having jurisdiction for swinging automatic entrance doors serving as a required means of egress.

## 1.07 PROJECT CONDITIONS

- A. Field Measurements: General Contractor shall verify openings to receive automatic door operators by field measurements before fabrication and indicate measurements on Shop Drawings.
- B. Mounting Surfaces: General Contractor shall verify all surfaces to be plumb, straight and secure; substrates to be of proper dimension and material.
- C. Other trades: General Contractor Advise of any inadequate conditions or equipment.

## 1.08 COORDINATION

- A. Templates: Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing automatic door operators to comply with indicated requirements.
- B. Electrical System Roughing-in: Coordinate layout and installation of automatic door operators with connections to, power supplies and remote activation devices.

- C. System Integration: Integrate automatic door operators with other systems as required for a complete working installation.
  - 1. Provide electrical interface control capability for card reader or keypad operation of automatic door operators on doors with electric locking.
  - 2. Where required for proper operation, provide a time relay to signal automatic door operator to activate only after electric lock system is released.

#### 1.09 WARRANTY

- A. Automatic door operators shall be free of defects in material and workmanship for a period of one year from the date of substantial completion.
- B. During the warranty period OWNER shall engage a factory-trained technician to perform service and affect repairs. A safety inspection shall be performed after each adjustment or repair and a completed inspection form shall be submitted to OWNER.
- C. During the warranty period all warranty work, including but not limited to emergency service, shall be performed during normal working hours.

### PART 2-PRODUCTS

#### 2.01 AUTOMATIC DOOR OPERATORS

- A. Manufacturer: Stanley Access Technologies; M-Force™ Series automatic door operator.

#### 2.02 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
  - 1. Headers: 6063-T6.
  - 2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.
  - 3. Sheet and Plate: ASTM B 209.

#### 2.03 COMPONENTS

- A. Header Case: Header case shall not exceed 4 1/2-inch by 6-inch (114 mm) in section and shall be fabricated from extruded aluminum designed to conceal door operators and controls. The operator shall be sealed against dust, dirt, and corrosion within the header case. Access to the operator and electronic control box shall be provided from the bottom by a removable cover. Removable cover shall be secured in place by screws.
- B. Door Arms: Door arms shall be manufacturer's standard units designed specifically for use with automatic door operators provided.
  - 1. Visible Arms: A combination of door arms and linkage shall provide positive control of door through entire swing; units shall permit use of butt hung, center pivot, and offset pivot-hung doors.
  - 2. Concealed Arms: A single straight arm, designed for top mounting in door panel, shall provide positive control of door through entire swing; units shall be specifically designed for use on center pivot doors.

- C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories compatible with adjacent materials.
- D. Signage: Provide signage in accordance with ANSI/BHMAA156.19.

#### 2.04 SWINGING DOOR OPERATORS

- A. Provide door operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for long-term, maintenance-free operation under normal traffic load for type of occupancy indicated.
- B. Electromechanical Operators: Self-contained unit powered by a minimum 3/16 horsepower, permanent-magnet DC motor; through a high torque reduction gear system.
  - 1. Operation: Power opening and spring closing.
  - 2. Operator Type: Low energy; readily convertible to full energy; no tools required to change type.
  - 3. Handing: Non-handed; no tools required to change handing.
  - 4. Capacity: Rated for door panels weighing up to 350 pounds.
  - 5. Mounting: Surface applied or concealed as indicated.
  - 6. Features:
    - a. Adjustable opening and closing speeds.
    - b. Adjustable opening and closing force.
    - c. Adjustable back-check.
    - d. Adjustable hold-open time between 0 and 30 seconds.
    - e. Reverse on obstruction.
    - f. Variable rate open/closed speed control.
    - g. Closed loop speed control with active braking and acceleration.
    - h. Variable obstruction recycle time delay.
    - i. Optional Switch to open/Switch to close operation.
    - j. When operators are provided in pairs, adjustable features are independently adjustable for each operator.
- C. Field Adjustable Spring Closing Operation: The operator shall close the door by spring energy employing the motor, as a dynamic brake to provide closing speed control. The closing spring shall be a helical compression spring, adjustable for positive closing action. The spring shall be adjustable, without removing the operator from the header, to accommodate a wide range of field conditions.
- D. Independent Adjustable Closing and Latching Speed Control: The operator shall employ a rheostat module to allow for independent field adjustment of closing and latching speeds using the motor as a dynamic brake.
- E. Field Adjustable Open Stop: The operator shall provide a field adjustable open stop to accommodate opening angles from 80 to 135 degrees without the need for additional components.
- F. Consistent Cycle: The operator shall deliver an even, consistent open manual push force across the entire transition from door fully closed to door fully open. Additionally, the force shall be field adjustable to accommodate a wide range of on-site conditions.
- G. Quiet Performance: The operator shall be designed to output audible noise ratios less than or equal to 50 dba.

- H. Manual Use: The operator shall function as a manual door closer in the direction of swing with or without electrical power. The operator shall deliver an even, consistent open force across the entire transition from door fully closed to door fully open, except as restricted by platform lift controls.
- I. Electrical service to door operators shall be provided under Division 26 Electrical. Minimum service to be 120 VAC, 10 amps for doors with operators in pairs, 5 amps for single doors.

## 2.05 ELECTRICAL CONTROLS

- A. Electrical Control System: Electrical control system shall include a microprocessor controller and a high-resolution position encoder. The encoder shall monitor revolutions of the operator shaft and send signals to microprocessor controller to define door position. Systems utilizing external magnets and magnetic switches are not acceptable.
- B. Life Cycle Data Counter: The microprocessor control shall incorporate a nonresettable counter to track door operation cycles.
- C. Controller Protection: The microprocessor controller shall incorporate the following features to provide trouble free operation:
  - 1. Automatic Reset Upon Power Up.
  - 2. Main Fuse Protection.
  - 3. Electronic Surge Protection.
  - 4. Internal Power Supply Protection.
  - 5. Resettable sensor supply fuse protection.
  - 6. Software "Watchdog" protection in the case of software malfunction.
- D. Push Button Interface with LED: The controller shall have push button switches with LED readout to allow for selection or change of the following parameters: carpet or timer logic, single or dual door, activation options, normal back check or large back check, push-to-open assist on/off.
- E. Soft Start/Stop: A "soft-start" "soft-stop" motor driving circuit shall be provided for smooth normal opening and recycling.
- F. Safety Search Circuitry: Provide system to recycle the swinging panels when an obstruction is encountered during the closing cycle. If an obstruction is detected, the system shall search for that object on the next closing cycle by reducing door closing speed prior to the previously encountered obstruction location and will continue to close in check speed until doors are fully closed, at which time the doors will reset to normal speed. If obstruction is encountered again, the door will come to a full stop. The doors shall remain stopped until obstruction is removed and operate signal is given, resetting the door to normal operation.
- G. Programmable Controller: Microprocessor controller shall be programmable and shall be designed for connection to a local configuration tool. Local configuration tool shall be software driven and shall be utilized via Palm<sup>®</sup> handheld interface. The following parameters may be adjusted via the configuration tool.
  - 1. Operating speeds and forces as required to meet ASNI/BHMA A156.10.
  - 2. Adjustable and variable features as specified in Paragraph 2.04.B.6.
  - 3. Firmware update.
  - 4. Trouble shooting.
    - a. I/O Status.

- b. Electrical component monitoring including parameter summary.
  - 5. Entrance profile copy/paste.
  - 6. Software for local configuration tool shall be available as a free download from the automatic door operators' manufacturer's internet site.
- H. Emergency Breakout Switch: A cam actuated emergency breakout switch shall be provided to disconnect power to the motor when an in-swinging door is manually pushed in the emergency out direction. The operator will then automatically reset and power will be resumed.
- I. Control Switch: Automatic door operators shall be equipped with a three position function switch to control the operation of the door. Control switch shall provide three modes of operation, Automatic, Off, and Hold-Open.
- J. Power Switch: Automatic door operators shall be equipped with a two position On/Off switch to control power to the door.

## 2.06 ALUMINUM FINISHES

- A. Comply with NAAMM Metal Finishes Manual for Architectural and Metal Products for recommendations for applying and designing finishes. Finish designations prefixed by AA comply with system established by Aluminum Association for designing finishes.
- B. Class II, Clear Anodic Finish: AA-M12C22A31 Mechanical Finish: as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class II, clear coating 0.40 mils minimum complying with AAMA 611-98, and the following
  - 1. AAMA 607.1.
  - 2. Applicator must be fully compliant with all applicable environmental regulations and permits, including wastewater and heavy metal discharge.

## PART 3-EXECUTION

### 3.01 INSPECTION

- A. Examine conditions, with Installer present, for compliance with requirements for installation tolerances, header support, and other conditions affecting performance of swinging automatic entrance doors. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 INSTALLATION

- A. Do not install damaged components. Fit joints to produce hairline joints free of burrs and distortion. Rigidly secure non-movement joints.
- B. Mounting: Install automatic door operators/headers plumb and true in alignment with established lines and grades. Anchor securely in place.
  - 1. Install surface-mounted hardware using concealed fasteners to greatest extent possible.
  - 2. Set headers, arms and linkages level and true to location with anchorage for permanent support.

- C. Door Operators: Connect door operators to electrical power distribution system as specified in Division 26 Sections.
- D. Sealant: Comply with requirements specified in Section 07 90 00–Caulking and Sealants to provide weather tight installation.

### 3.03 FIELD QUALITY CONTROL

- A. Testing Services: Factory Trained Installer shall test and inspect each swinging automatic entrance door to determine compliance of installed systems with applicable ANSI standards.

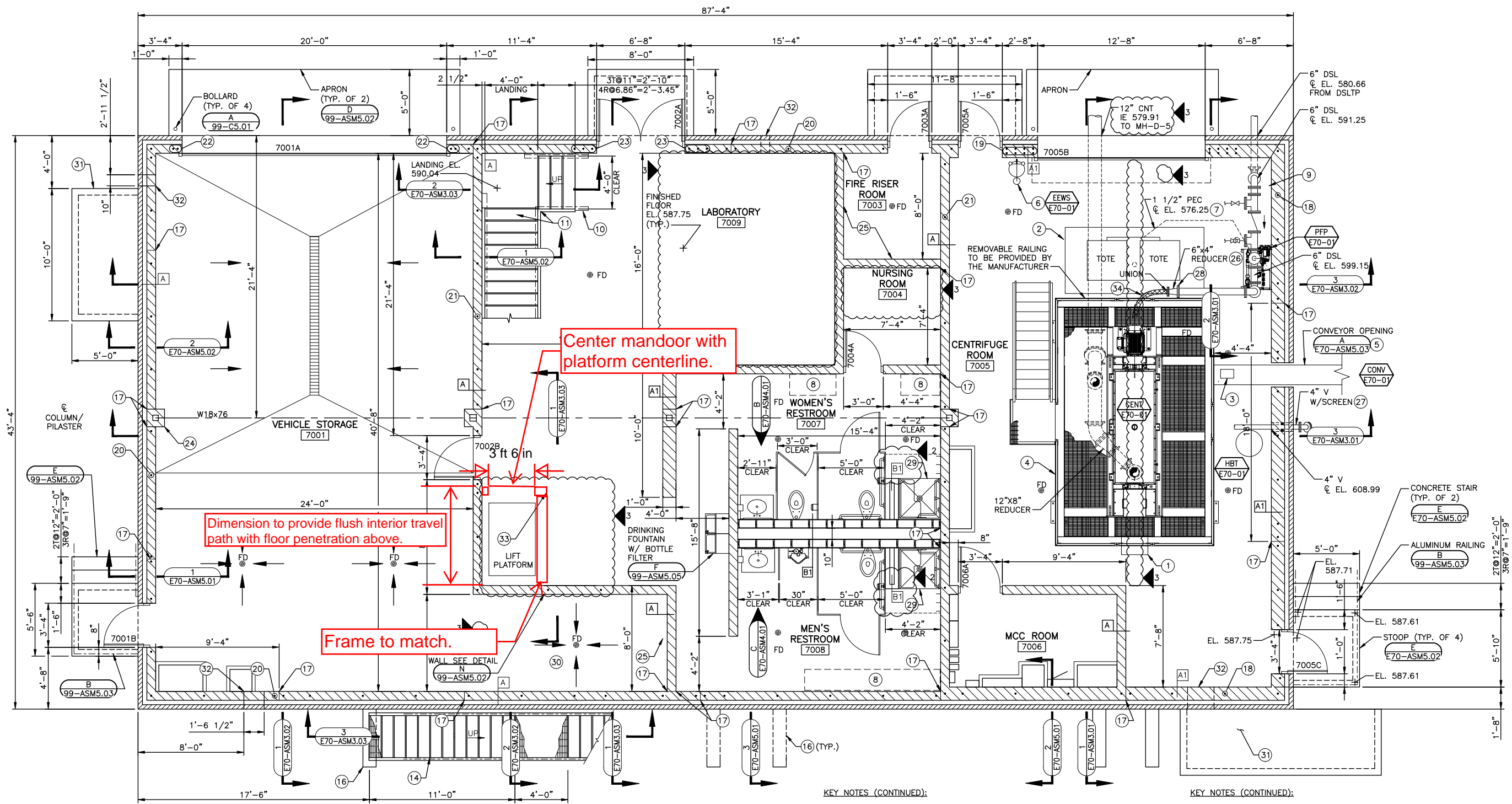
### 3.04 ADJUSTING

- A. Adjust door operators, controls, and hardware for smooth and safe operation, for weather tight closure, and complying with requirements in ANSI/BHMA A156.19 by AAADM Certified Technician.

### 3.05 CLEANING AND PROTECTION

- A. Clean surfaces promptly after installation. Remove excess sealant compounds, dirt, and other substances. Repair damaged finish to match original finish.

END OF SECTION



Center mandoor with platform centerline.

Dimension to provide flush interior travel path with floor penetration above.

Frame to match.



- GENERAL NOTES:**
- SEE ROOM FINISH SCHEDULE AND SPECIFICATION FOR TREATMENTS OF WALLS, FLOORS AND CEILINGS NOT CALLED OUT ON DRAWINGS.
  - SEE SPECIFICATIONS FOR LAB AND SCADA/CONTROL ROOM FURNITURE.
  - EXCEPT WHERE SHOWN OTHERWISE, ROOM FURNITURE AND ARCHITECTURAL CASEWORK (SHELVING, COUNTERS, ETC.) SHALL BE PROVIDED BY CONTRACTOR AS SHOWN AND SPECIFIED.
  - RESTRAIN ALL DUCTILE IRON JOINTS BURIED UNDER SLAB.
  - SEE 99-ASM6.03 FOR GENERAL STRUCTURE NOTES.

- KEY NOTES:**
- HYDRAULIC BACK DRIVE.
  - POLYMER TOTE CONTAINMENT, SEE SPECIFICATIONS.
  - PROVIDE INSPECTION HATCHES ON THE CONVEYORS AT LOCATIONS ACCESSIBLE TO OPERATORS. PROVIDE ADDITIONAL HATCH BENEATH PLATFORM. COORDINATE SIZE TO AVOID CONFLICT W/ PLATFORM.
  - ACCESS WALKWAYS AND STAIRS BY EQUIPMENT MANUFACTURER.
  - CONVEYOR SHALL BE HEAT TRACED AND INSULATED ACCORDING TO THE SPECIFICATIONS. CONVEYOR SHALL BE HEAT TRACED AND INSULATED FROM BUILDING E70 TO THE END OF THE CONVEYOR.
  - EMERGENCY EYE WASH AND SAFETY SHOWER.
  - PROVIDE LONG RADIUS ELBOWS FOR UNDERSLAB PEC CHEMICAL PIPE.
  - SPACE RESERVED FOR ADA LOCKERS AND ADA BENCHES.
  - MOUNT PEC PIPING TO WALL. PROVIDE SUPPORTS AS NECESSARY.
  - 1'-0" HANDRAIL EXTENSION (TYP.)

- KEY NOTES (CONTINUED):**
- CONCRETE PAN STAIRS WITH VINYL TREAD AND RISER FINISH. 4'-5" OUT-TO-OUT. SEE SPECIFICATION 09 65 13 FOR FINISH.
  - NOT USED
  - METAL SHROUD FOR MACHINE SPACE BY ELEVATOR MANUFACTURER.
  - ALUMINUM GRATING STAIRS (E 99-ASM5.04)
  - NOT USED
  - STAIR FOUNDATION (G 99-ASM5.02)
  - MCJ-2 (L 99-ASM5.02) FOR MCJ'S IN BRICK VENEER, SEE ELEVATION VIEWS.
  - #6@40" VERTICAL MASONRY REINFORCING (TYP. AT EXTERIOR 12" BLOCK WALLS).
  - 1~#6 EACH FACE @ 8" VERTICAL MASONRY REINFORCING (TYP. 1ST 4 CORES AT OHC DOOR JAMBS).
  - #4@48" VERTICAL MASONRY REINFORCING (TYP. EXTERIOR 8" BLOCK WALLS).

- KEY NOTES (CONTINUED):**
- #4@48" VERTICAL MASONRY REINFORCING.
  - 1~#4 VERTICAL BAR @ 8" TYP. 1ST 2 CORES AT JAMBS.
  - 1~#4 VERTICAL @ 8" TYP. 1ST 3 CORES AT JAMBS.
  - MASONRY PILASTER (TYP. OF 4) (B E70-ASM5.03)
  - NON-BEARING MASONRY WALL (N 99-ASM5.02)
  - 4"x1/2" REDUCER AND 1/2" FLEXIBLE HOSE TO BE PROVIDED BY CENTRIFUGE MANUFACTURER.
  - NON-CORRODING INSECT SCREEN BETWEEN TWO FLANGES ON DOWNWARD TURNED 45° FLANGED FITTING.
  - PRESSURE GAUGE CONNECTION, SEE DETAIL (J 99-P5.01)
  - BARRIER FREE SHOWER, SEE DETAIL (B 99-ASM5.06)
  - TOOL STORAGE AND ACCESS TO ELEVATOR CONTROL PANEL.
  - HVAC EQUIPMENT PAD. VERIFY SIZE AND LOCATION W/HVAC SCHEDULES.
  - HVAC OPENING. SEE H-DRAWINGS AND LINTEL SCHEDULE.
  - PROVIDE LINTEL B-1 AT LIFT PLATFORM ENTRY AND EQUIPMENT ACCESS DOORWAYS AND EQUIPMENT ACCESS.
  - FLEXIBLE HOSE BY MANUFACTURER TO LEFT OF UNION.
  - NOT USED

NO.	ISSUED FOR	REVISIONS	DATE
1	ISSUED FOR BID		5/12/2022
2	CONFORMED DRAWINGS		12/1/2022
3	CHANGE ORDER NO. 1		X/7/2023

**DEWATERING AND OPERATIONS BUILDING  
LOWER LEVEL PLAN**

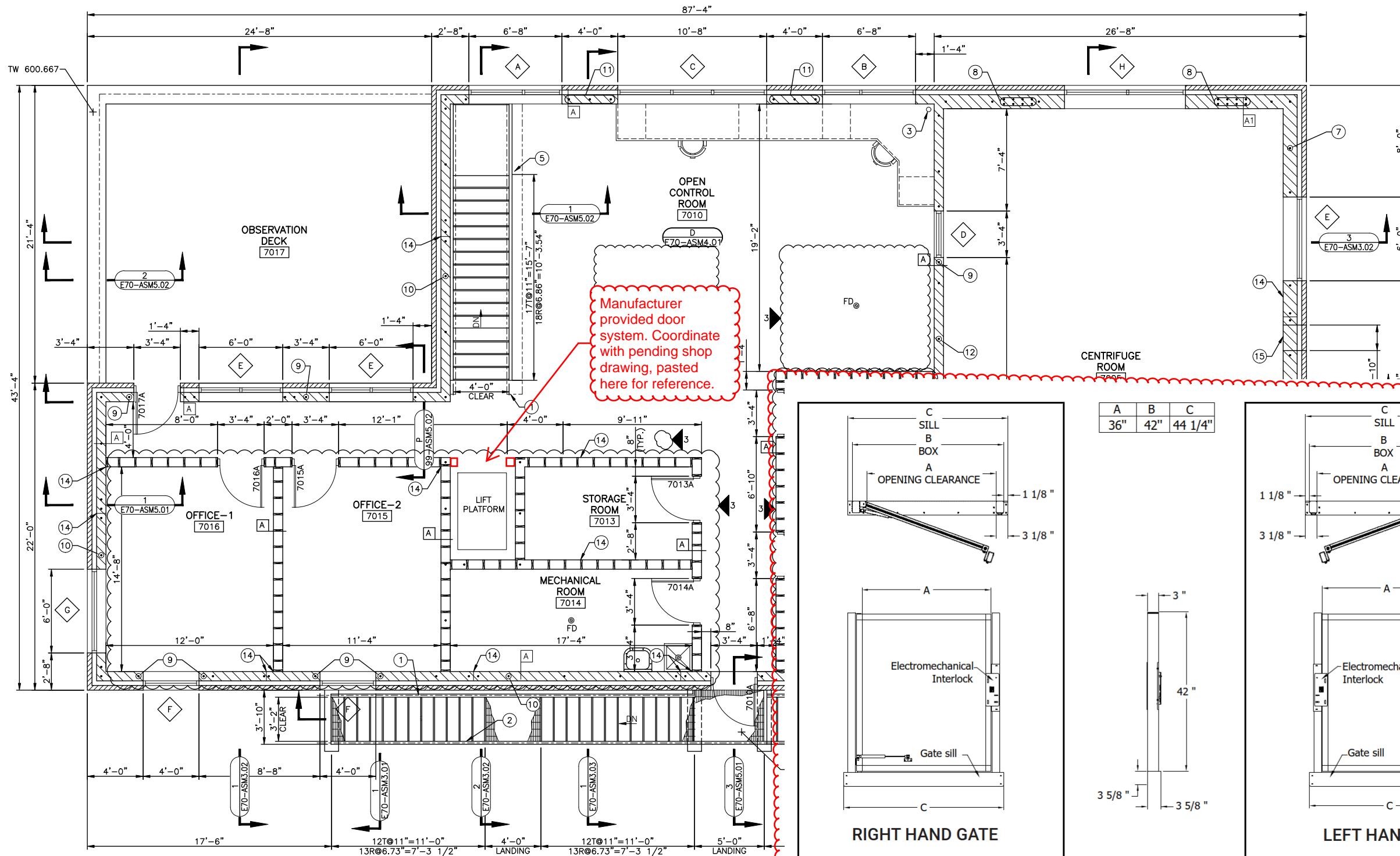
WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

**JOB NO.**  
3894.051

**PROJECT MGR.**  
DOMINIC GATTONE

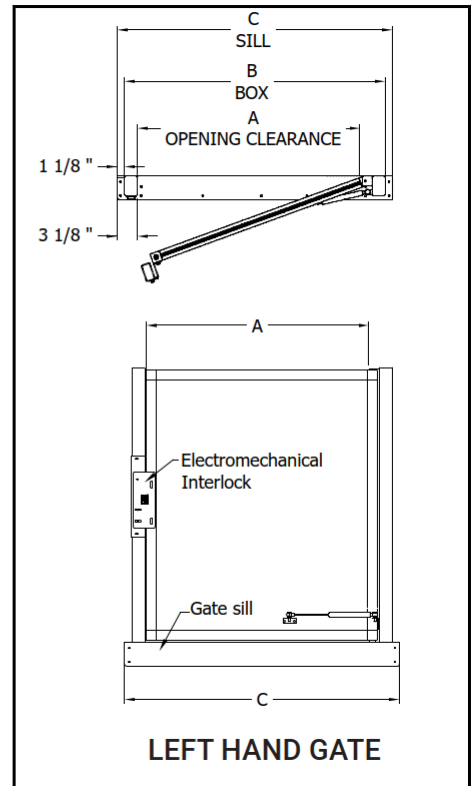
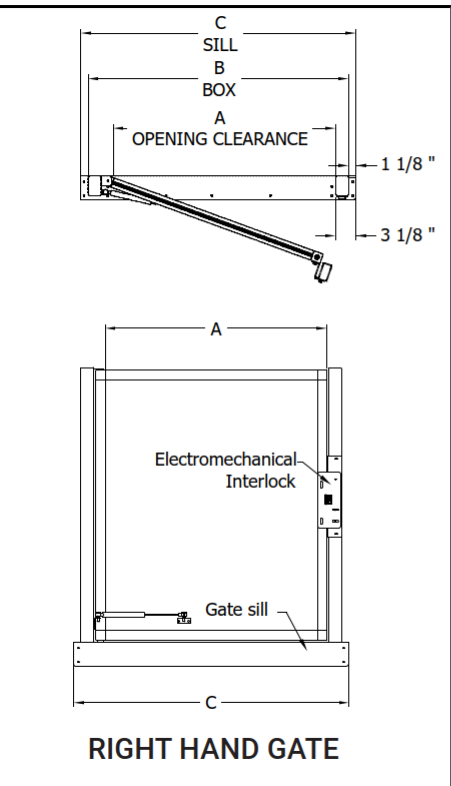


**SHEET**  
174  
E70-ASM1.01



Manufacturer provided door system. Coordinate with pending shop drawing, pasted here for reference.

A	B	C
36"	42"	44 1/4"



UPPER LEVEL PLAN  
0 1' 2' 4' 8'

GENERAL NOTES:

- SEE ROOM FINISH SCHEDULE AND SPECIFICATION FOR TREATMENTS OF WALLS, FLOORS AND CEILINGS NOT CALLED OUT ON DRAWINGS.
- SEE SPECIFICATIONS FOR LAB AND SCADA/CONTROL ROOM FURNITURE.
- EXCEPT WHERE SHOWN OTHERWISE, ROOM FURNITURE AND ARCHITECTURAL CASEWORK (SHELVING, COUNTERS, ETC.) SHALL BE PROVIDED BY CONTRACTOR AS SHOWN AND SPECIFIED.
- SEE 99-ASM6.03 FOR GENERAL STRUCTURAL NOTES.

KEY NOTES:

- 1'-0" HANDRAIL EXTENSION (TYP.)
- ALUMINUM STAIRS, 3'-10" OUT-TO-OUT. (E 99-ASM5.04)
- PROVIDE GROMMET IN COUNTERTOP.
- HVAC OPENING. SEE H-DRAWINGS AND LINTEL SCHEDULE.
- 42" HIGH GUARD RAIL AROUND FLOOR OPENING.
- NOT USED.
- #6@40" MASONRY VERTICAL BARS. (TYP. AT EXTERIOR 12" BLOCK)
- 1~#6 EA. FACE @ 8" SEE DRAWING E70-ASM1.01.

KEY NOTES (CONTINUED):

- 1~#4 AT WINDOW JAMBS UNLESS NOTED.
- #4@48" (TYP. AT EXTERIOR 8" BLOCK).
- 1~#4 @ 16" O.C. IN 4'-0" JAMB.
- #4@48" (TYP. WHERE SHOWN IN INTERIOR BLOCK).
- NOT USED
- MCJ-2 (E 99-ASM5.02) SEE ELEVATION VIEWS FOR MCJ-1'S IN VENEER.
- OPENING IN CONVEYOR, SEE LINTEL SCHEDULE.

NO.	REVISIONS	DATE
1	ISSUED FOR BID	5/12/2022
2	CONFORMED DRAWINGS	12/1/2022
3	CHANGE ORDER NO. 1	X/X/2023

DEWATERING AND OPERATIONS BUILDING  
UPPER LEVEL PLAN

WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

JOB NO.  
3894.051  
PROJECT MGR.  
DOMINIC GATTONE



SHEET  
175  
E70-ASM1.02



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill  
Contract 1-2022  
August 26, 2025

COST PROPOSAL NO.: 044

TO: Vissering Construction  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

Tony Marzetta, Project Manager	Vissering Construction (Contractor)
Julius Hansen	City of Crest Hill
Dominic Gattone, P.E.	Strand Associates, Inc.®

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein. The purpose of this request is to make changes to the platform lift installation, which replaced the elevator as part of Cost Proposal Request (CPR)/Change Order No. 1.

DESCRIPTIONS AFFECTING THE DRAWINGS

**Drawing E70-ASM1.01**

- 044-01 Frame and drywall the northern and eastern shaft fenestration surrounding the newly proposed door on the first floor. See attached drawing.
- 044-02 Change manufacturer provided first-floor half-height door with full height mandoor. Rewire electrical componentry from manufacturer-provided call-station to interlock doorway hardware (automatic door opener) with platform lift system operation, as described below.
- Add row to Drawing 99-ASM6.01 Door 7002C, size 3'-6" x 7'-0", type - STL, active - HG, swing - RHR, frame type - 1, frame material - STL, hardware group - as provided by product manufacturer, active, lintel - B-1, Details, head - F-99-ASM6.02, jamb - F-99-ASM6.02, sill - N/A
- 044-03 Provide attached pictograph (Attachment A) at first floor and second floor call stations. Pictograph shall conform to Section 10 14 00 - Plastic and Metal Signs.

**Clarification: Fire Protection System shall remain in shaft as shown on E70-FP1.02.**

**Drawing E70-ASM1.02**

- 044-04 Frame northern shaft fenestration on second floor. See attached drawing. Standard manufacturer-provided door, its respective wiring, and call-station shall remain at the second floor.

DESCRIPTIONS AFFECTING THE SPECIFICATIONS

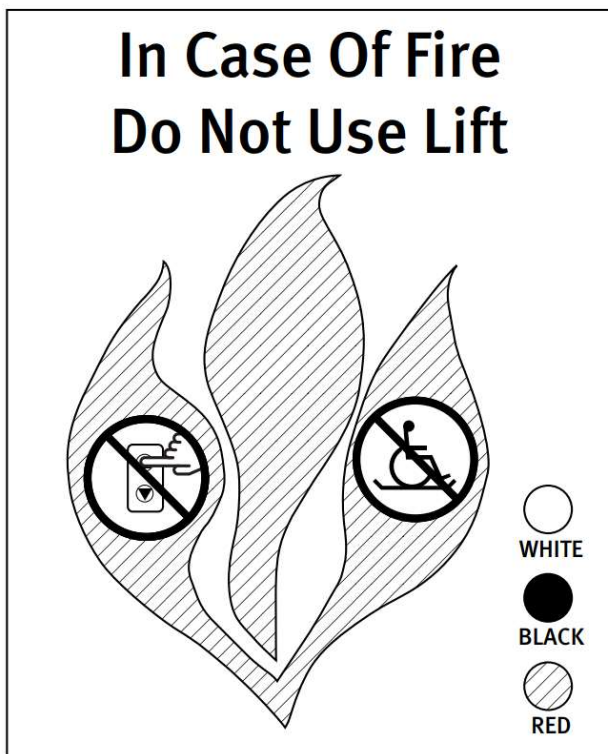
- 044-05 Add Section 08 71 10 - Automatic Door Operators, attached.

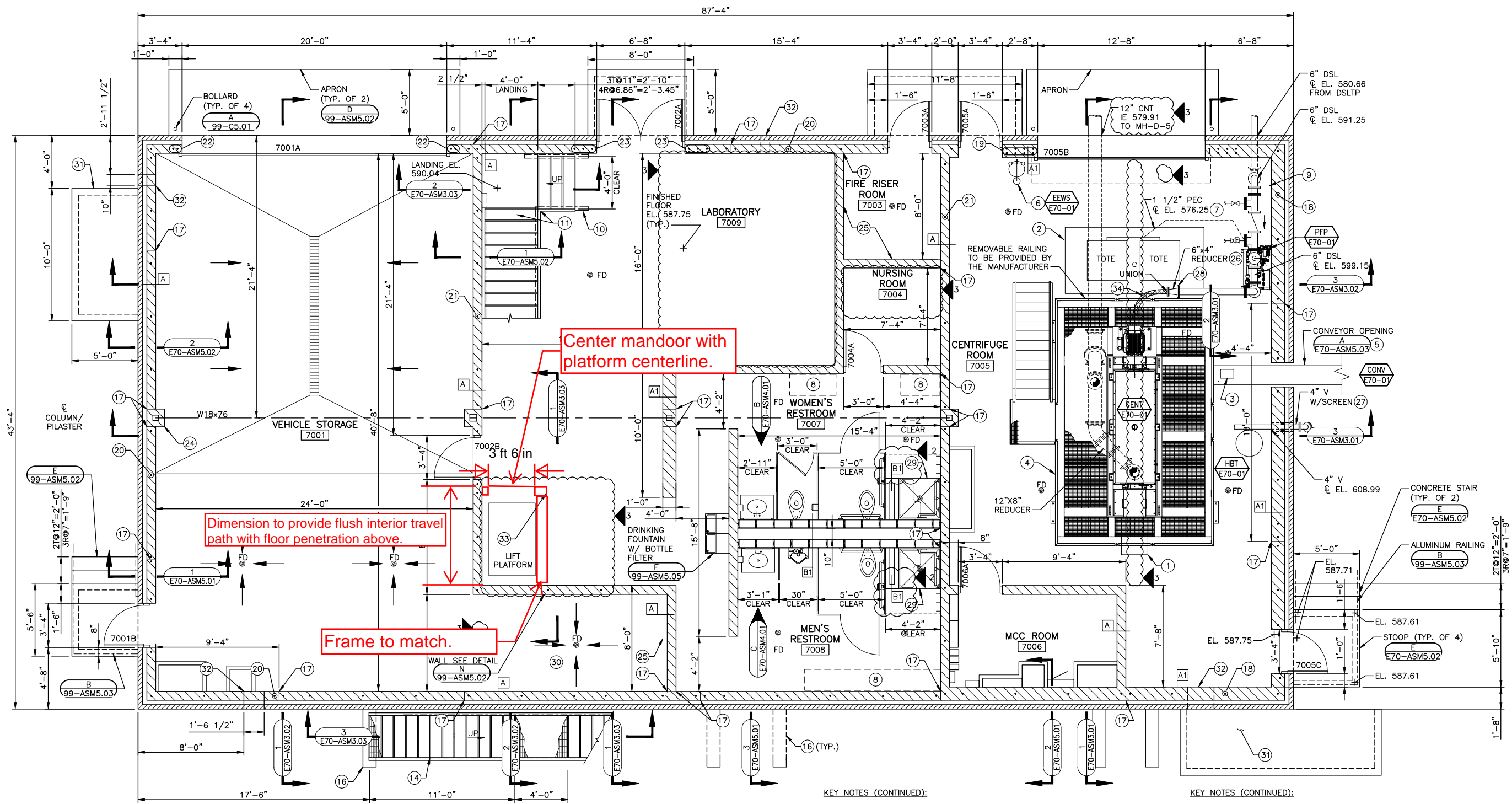
**Clarification: It is the intent of this CPR to have the door opener/closer system interlocked with the platform travel. With the changing of the first-floor door, the new door operation shall work in an identical way to the manufacturer's stock door. For example, the door will automatically unlock/open when the platform arrives from the second floor after an operator adjustable time delay. Additionally, the door will automatically open**



when the call button is pressed and the platform has arrived and stationed at the first floor. The door shall not open when the platform is not stationed there. If the first-floor door were to open and the platform is not in the down position, power to the platform shall be terminated.

Attachment A -





LOWER LEVEL PLAN

- GENERAL NOTES:**
- SEE ROOM FINISH SCHEDULE AND SPECIFICATION FOR TREATMENTS OF WALLS, FLOORS AND CEILINGS NOT CALLED OUT ON DRAWINGS.
  - SEE SPECIFICATIONS FOR LAB AND SCADA/CONTROL ROOM FURNITURE.
  - EXCEPT WHERE SHOWN OTHERWISE, ROOM FURNITURE AND ARCHITECTURAL CASEWORK (SHELVING, COUNTERS, ETC.) SHALL BE PROVIDED BY CONTRACTOR AS SHOWN AND SPECIFIED.
  - RESTRAIN ALL DUCTILE IRON JOINTS BURIED UNDER SLAB.
  - SEE 99-ASM6.03 FOR GENERAL STRUCTURE NOTES.

- KEY NOTES:**
- HYDRAULIC BACK DRIVE.
  - POLYMER TOTE CONTAINMENT, SEE SPECIFICATIONS.
  - PROVIDE INSPECTION HATCHES ON THE CONVEYORS AT LOCATIONS ACCESSIBLE TO OPERATORS. PROVIDE ADDITIONAL HATCH BENEATH PLATFORM. COORDINATE SIZE TO AVOID CONFLICT W/ PLATFORM.
  - ACCESS WALKWAYS AND STAIRS BY EQUIPMENT MANUFACTURER.
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  - EMERGENCY EYE WASH AND SAFETY SHOWER.
  - PROVIDE LONG RADIUS ELBOWS FOR UNDERSLAB PEC CHEMICAL PIPE.
  - SPACE RESERVED FOR ADA LOCKERS AND ADA BENCHES.
  - MOUNT PEC PIPING TO WALL. PROVIDE SUPPORTS AS NECESSARY.
  - 1'-0" HANDRAIL EXTENSION (TYP.)

**KEY NOTES (CONTINUED):**

- CONCRETE PAN STAIRS WITH VINYL TREAD AND RISER FINISH. 4'-5" OUT-TO-OUT. SEE SPECIFICATION 09 65 13 FOR FINISH.
- NOT USED
- METAL SHROUD FOR MACHINE SPACE BY ELEVATOR MANUFACTURER.
- ALUMINUM GRATING STAIRS (E) 99-ASM5.04
- NOT USED
- STAIR FOUNDATION (G) 99-ASM5.02
- MCJ-2 (L) 99-ASM5.02 FOR MCJ'S IN BRICK VENEER, SEE ELEVATION VIEWS.
- #6@40" VERTICAL MASONRY REINFORCING (TYP. AT EXTERIOR 12" BLOCK WALLS).
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**KEY NOTES (CONTINUED):**

- #4@48" VERTICAL MASONRY REINFORCING.
- 1~#4 VERTICAL BAR @ 8" TYP. 1ST 2 CORES AT JAMBS.
- 1~#4 VERTICAL @ 8" TYP. 1ST 3 CORES AT JAMBS.
- MASONRY PILASTER (TYP. OF 4) (B) E70-ASM5.03
- NON-BEARING MASONRY WALL (N) 99-ASM5.02
- 4"x1/2" REDUCER AND 1/2" FLEXIBLE HOSE TO BE PROVIDED BY CENTRIFUGE MANUFACTURER.
- NON-CORRODING INSECT SCREEN BETWEEN TWO FLANGES ON DOWNWARD TURNED 45° FLANGED FITTING.
- PRESSURE GAUGE CONNECTION, SEE DETAIL (J) 99-P5.01
- BARRIER FREE SHOWER, SEE DETAIL (B) 99-ASM5.06
- TOOL STORAGE AND ACCESS TO ELEVATOR CONTROL PANEL.
- HVAC EQUIPMENT PAD. VERIFY SIZE AND LOCATION W/HVAC SCHEDULES.
- HVAC OPENING. SEE H-DRAWINGS AND LINTEL SCHEDULE.
- PROVIDE LINTEL B-1 AT LIFT PLATFORM ENTRY AND EQUIPMENT ACCESS DOORWAYS AND EQUIPMENT ACCESS.
- FLEXIBLE HOSE BY MANUFACTURER TO LEFT OF UNION.
- NOT USED

NO.	ISSUED FOR	REVISIONS	DATE
1	ISSUED FOR BID		5/12/2022
2	CONFORMED DRAWINGS		12/1/2022
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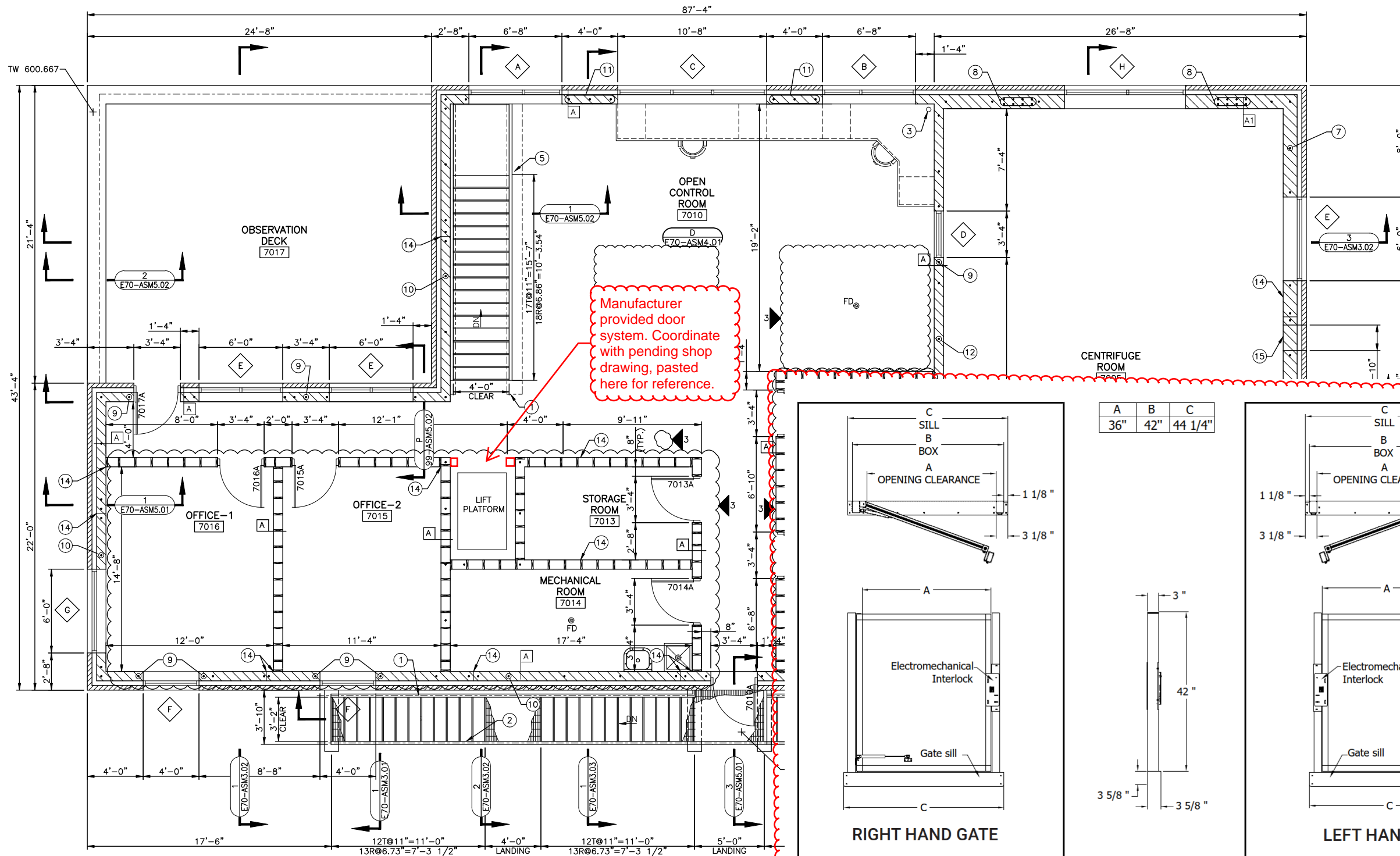
**DEWATERING AND OPERATIONS BUILDING  
LOWER LEVEL PLAN**

WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

**JOB NO.**  
3894.051  
**PROJECT MGR.**  
DOMINIC GATTONE

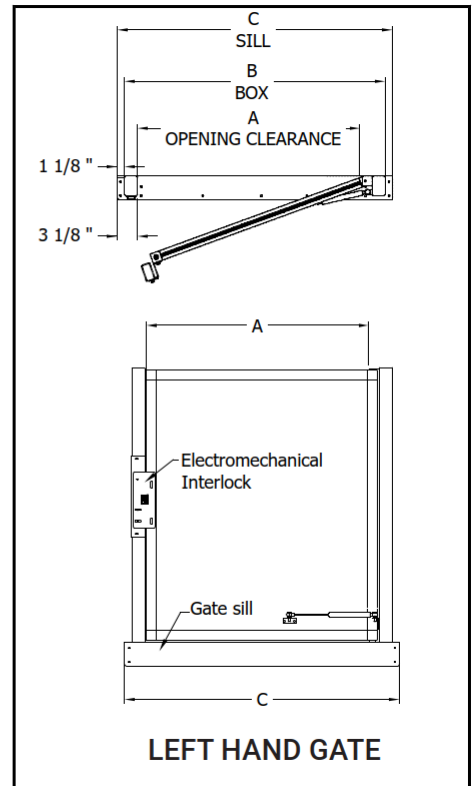
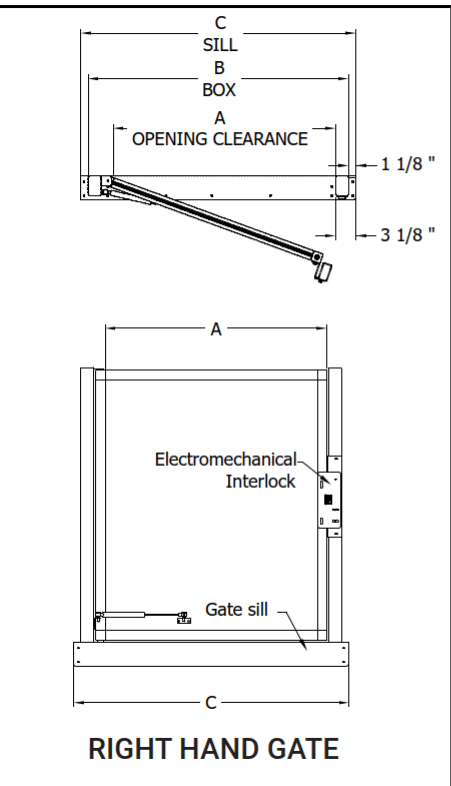


**SHEET**  
174  
**E70-ASM1.01**



Manufacturer provided door system. Coordinate with pending shop drawing, pasted here for reference.

A	B	C
36"	42"	44 1/4"



UPPER LEVEL PLAN  
0 1' 2' 4' 8'

GENERAL NOTES:

- SEE ROOM FINISH SCHEDULE AND SPECIFICATION FOR TREATMENTS OF WALLS, FLOORS AND CEILINGS NOT CALLED OUT ON DRAWINGS.
- SEE SPECIFICATIONS FOR LAB AND SCADA/CONTROL ROOM FURNITURE.
- EXCEPT WHERE SHOWN OTHERWISE, ROOM FURNITURE AND ARCHITECTURAL CASEWORK (SHELVING, COUNTERS, ETC.) SHALL BE PROVIDED BY CONTRACTOR AS SHOWN AND SPECIFIED.
- SEE 99-ASM6.03 FOR GENERAL STRUCTURAL NOTES.

KEY NOTES:

- 1'-0" HANDRAIL EXTENSION (TYP.)
- ALUMINUM STAIRS, 3'-10" OUT-TO-OUT. (E 99-ASM5.04)
- PROVIDE GROMMET IN COUNTERTOP.
- HVAC OPENING. SEE H-DRAWINGS AND LINTEL SCHEDULE.
- 42" HIGH GUARD RAIL AROUND FLOOR OPENING.
- NOT USED.
- #6@40" MASONRY VERTICAL BARS. (TYP. AT EXTERIOR 12" BLOCK)
- 1~#6 EA. FACE @ 8" SEE DRAWING E70-ASM1.01.

KEY NOTES (CONTINUED):

- 1~#4 AT WINDOW JAMBS UNLESS NOTED.
- #4@48" (TYP. AT EXTERIOR 8" BLOCK).
- 1~#4 @ 16" O.C. IN 4'-0" JAMB.
- #4@48" (TYP. WHERE SHOWN IN INTERIOR BLOCK).
- NOT USED
- MCJ-2 (E 99-ASM5.02) SEE ELEVATION VIEWS FOR MCJ-1'S IN VENEER.
- OPENING IN CONVEYOR, SEE LINTEL SCHEDULE.

NO.	REVISIONS	DATE
1	ISSUED FOR BID	5/12/2022
2	CONFORMED DRAWINGS	12/1/2022
3	CHANGE ORDER NO. 1	X/X/2023

DEWATERING AND OPERATIONS BUILDING  
UPPER LEVEL PLAN

WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

JOB NO.  
3894.051  
PROJECT MGR.  
DOMINIC GATTONE



SHEET  
175  
E70-ASM1.02

## SECTION 08 71 10

## AUTOMATIC DOOR OPERATORS

PART 1–GENERAL

## 1.01 SUMMARY

- A. This Section includes the following types of automatic door operators: Exterior and interior, automatic door operators, low energy, with bottom load headers and surface or concealed mounting.

## 1.02 REFERENCES

General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.

- A. Underwriters Laboratories (UL): UL 325–Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
- B. American National Standards Institute (ANSI)/Builders' Hardware Manufacturers Association (BHMA):
1. ANSI/BHMA A156.10: Standard for Power Operated Pedestrian Doors.
  2. ANSI/BHMA A156.19: Standard for Power Assist and Low Energy Power Operated Doors.
- C. American Society for Testing and Materials (ASTM):
1. ASTM B221–Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
  2. ASTM B209–Standard Specifications for Aluminum and Aluminum-Alloy Sheet and Plate.
- D. Builders' Hardware Manufacturers Association (BHMA): BHMAA156.10–Standard for Power Operated Pedestrian Door.
- E. American Association of Automatic Door Manufacturers (AAADM).
- F. National Fire Protection Association (NFPA):
1. NFPA 101–Life Safety Code.
  2. NFPA 70–National Electric Code.
- G. International Conference of Building Officials (ICBO): UBC 1997: Uniform Building Code.
- H. California Department of Forestry and Fire Protection, Office of the State Fire Marshall.
- I. International Standards Organization (ISO): ISO 9001–Standard for Manufacturing Quality Management Systems.

- J. National Association of Architectural Metal Manufacturers (NAAMM): Metal Finishes Manual for Architectural and Metal Products.
- K. American Architectural Manufacturers Association (AAMA):
  - 1. AAMA 607.1–Clear Anodic Finishes for Architectural Aluminum.
  - 2. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum.

### 1.03 DEFINITIONS

- A. Activation Device: Device that, when actuated, sends an electrical signal to the door operator to open the door.

### 1.04 PERFORMANCE REQUIREMENTS

- A. Provide automatic door operators capable of withstanding loads and thermal movements based on testing manufacturer's standard units in assemblies similar to those indicated for this Project.
- B. Operating Range: Minus 30°F (Minus 34°C) to 130°F (54°C).
- C. Opening-Force Requirements for Egress Doors: In the event power failure to the operator, swinging automatic entrance doors shall open with a manual force, not to exceed 30 lbf (133 N) applied at 1 inch (25 mm) from the latch edge of the door.
- D. Break Away Requirements: Automatic door operators shall breakaway with no more than 50 lbf (222 N) applied at 1 inch (25 mm) from the latch edge of the door.
- E. Door Energy: The kinetic energy of a door in motion shall not exceed 1.25 lbf-ft (1.69 Nm).
- F. Closing Time:
  - 1. Doors shall be field adjusted to close from 90 degrees to 10 degrees in 3 seconds or longer.
  - 2. Doors shall be field adjusted to close from 10 degrees to fully closed in not less than 1.5 seconds.

### 1.05 SUBMITTALS

- A. Submit listed submittals in accordance with Conditions of the Contract and Division 01 submittal procedures.
- B. Shop Drawings: Include plans, elevations, sections, details, hardware mounting heights, and attachments to other work. Indicate wiring for electrical supply.
- C. Color Samples for selection of factory-applied color finishes.
- D. Closeout Submittals: Provide the following with project close-out documents.
  - 1. Owner's Manual.
  - 2. Warranties.

## 1.06 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative, with certificate issued by AAADM, who is trained for installation and maintenance of units required for this Project.
- B. Manufacturer Qualifications: A qualified manufacturer with a manufacturing facility certified under ISO 9001 and with company certificate issued by AAADM.
- C. Certifications: Automatic door operators shall be certified by the manufacturer to meet performance design criteria in accordance with the following standards:
  - 1. ANSI A156.10.
  - 2. NFPA 101.
  - 3. UL 325 Listed (Fire Door Operator).
  - 4. ICBO (UBC Standard 10-1).
  - 5. California Department of Forestry and Fire Protection, Listed.
- D. Source Limitations: Obtain automatic door operators through one source from a single manufacturer.
- E. Product Options: Drawings indicate sizes, profiles, and dimensional requirements of automatic door operators and are based on the specific system indicated. Refer to Division 01 Section "Product Requirements."
- F. Power Operated Door Standard: ANSI/BHMA A156.19.
- G. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- H. Emergency-Exit Door Requirements: Comply with requirements of authorities having jurisdiction for swinging automatic entrance doors serving as a required means of egress.

## 1.07 PROJECT CONDITIONS

- A. Field Measurements: General Contractor shall verify openings to receive automatic door operators by field measurements before fabrication and indicate measurements on Shop Drawings.
- B. Mounting Surfaces: General Contractor shall verify all surfaces to be plumb, straight and secure; substrates to be of proper dimension and material.
- C. Other trades: General Contractor Advise of any inadequate conditions or equipment.

## 1.08 COORDINATION

- A. Templates: Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing automatic door operators to comply with indicated requirements.
- B. Electrical System Roughing-in: Coordinate layout and installation of automatic door operators with connections to, power supplies and remote activation devices.

- C. System Integration: Integrate automatic door operators with other systems as required for a complete working installation.
  - 1. Provide electrical interface control capability for card reader or keypad operation of automatic door operators on doors with electric locking.
  - 2. Where required for proper operation, provide a time relay to signal automatic door operator to activate only after electric lock system is released.

#### 1.09 WARRANTY

- A. Automatic door operators shall be free of defects in material and workmanship for a period of one year from the date of substantial completion.
- B. During the warranty period OWNER shall engage a factory-trained technician to perform service and affect repairs. A safety inspection shall be performed after each adjustment or repair and a completed inspection form shall be submitted to OWNER.
- C. During the warranty period all warranty work, including but not limited to emergency service, shall be performed during normal working hours.

### PART 2-PRODUCTS

#### 2.01 AUTOMATIC DOOR OPERATORS

- A. Manufacturer: Stanley Access Technologies; M-Force™ Series automatic door operator.

#### 2.02 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
  - 1. Headers: 6063-T6.
  - 2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.
  - 3. Sheet and Plate: ASTM B 209.

#### 2.03 COMPONENTS

- A. Header Case: Header case shall not exceed 4 1/2-inch by 6-inch (114 mm) in section and shall be fabricated from extruded aluminum designed to conceal door operators and controls. The operator shall be sealed against dust, dirt, and corrosion within the header case. Access to the operator and electronic control box shall be provided from the bottom by a removable cover. Removable cover shall be secured in place by screws.
- B. Door Arms: Door arms shall be manufacturer's standard units designed specifically for use with automatic door operators provided.
  - 1. Visible Arms: A combination of door arms and linkage shall provide positive control of door through entire swing; units shall permit use of butt hung, center pivot, and offset pivot-hung doors.
  - 2. Concealed Arms: A single straight arm, designed for top mounting in door panel, shall provide positive control of door through entire swing; units shall be specifically designed for use on center pivot doors.

- C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories compatible with adjacent materials.
- D. Signage: Provide signage in accordance with ANSI/BHMAA156.19.

#### 2.04 SWINGING DOOR OPERATORS

- A. Provide door operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for long-term, maintenance-free operation under normal traffic load for type of occupancy indicated.
- B. Electromechanical Operators: Self-contained unit powered by a minimum 3/16 horsepower, permanent-magnet DC motor; through a high torque reduction gear system.
  - 1. Operation: Power opening and spring closing.
  - 2. Operator Type: Low energy; readily convertible to full energy; no tools required to change type.
  - 3. Handing: Non-handed; no tools required to change handing.
  - 4. Capacity: Rated for door panels weighing up to 350 pounds.
  - 5. Mounting: Surface applied or concealed as indicated.
  - 6. Features:
    - a. Adjustable opening and closing speeds.
    - b. Adjustable opening and closing force.
    - c. Adjustable back-check.
    - d. Adjustable hold-open time between 0 and 30 seconds.
    - e. Reverse on obstruction.
    - f. Variable rate open/closed speed control.
    - g. Closed loop speed control with active braking and acceleration.
    - h. Variable obstruction recycle time delay.
    - i. Optional Switch to open/Switch to close operation.
    - j. When operators are provided in pairs, adjustable features are independently adjustable for each operator.
- C. Field Adjustable Spring Closing Operation: The operator shall close the door by spring energy employing the motor, as a dynamic brake to provide closing speed control. The closing spring shall be a helical compression spring, adjustable for positive closing action. The spring shall be adjustable, without removing the operator from the header, to accommodate a wide range of field conditions.
- D. Independent Adjustable Closing and Latching Speed Control: The operator shall employ a rheostat module to allow for independent field adjustment of closing and latching speeds using the motor as a dynamic brake.
- E. Field Adjustable Open Stop: The operator shall provide a field adjustable open stop to accommodate opening angles from 80 to 135 degrees without the need for additional components.
- F. Consistent Cycle: The operator shall deliver an even, consistent open manual push force across the entire transition from door fully closed to door fully open. Additionally, the force shall be field adjustable to accommodate a wide range of on-site conditions.
- G. Quiet Performance: The operator shall be designed to output audible noise ratios less than or equal to 50 dba.

- H. Manual Use: The operator shall function as a manual door closer in the direction of swing with or without electrical power. The operator shall deliver an even, consistent open force across the entire transition from door fully closed to door fully open, except as restricted by platform lift controls.
- I. Electrical service to door operators shall be provided under Division 26 Electrical. Minimum service to be 120 VAC, 10 amps for doors with operators in pairs, 5 amps for single doors.

## 2.05 ELECTRICAL CONTROLS

- A. Electrical Control System: Electrical control system shall include a microprocessor controller and a high-resolution position encoder. The encoder shall monitor revolutions of the operator shaft and send signals to microprocessor controller to define door position. Systems utilizing external magnets and magnetic switches are not acceptable.
- B. Life Cycle Data Counter: The microprocessor control shall incorporate a nonresettable counter to track door operation cycles.
- C. Controller Protection: The microprocessor controller shall incorporate the following features to provide trouble free operation:
  - 1. Automatic Reset Upon Power Up.
  - 2. Main Fuse Protection.
  - 3. Electronic Surge Protection.
  - 4. Internal Power Supply Protection.
  - 5. Resettable sensor supply fuse protection.
  - 6. Software "Watchdog" protection in the case of software malfunction.
- D. Push Button Interface with LED: The controller shall have push button switches with LED readout to allow for selection or change of the following parameters: carpet or timer logic, single or dual door, activation options, normal back check or large back check, push-to-open assist on/off.
- E. Soft Start/Stop: A "soft-start" "soft-stop" motor driving circuit shall be provided for smooth normal opening and recycling.
- F. Safety Search Circuitry: Provide system to recycle the swinging panels when an obstruction is encountered during the closing cycle. If an obstruction is detected, the system shall search for that object on the next closing cycle by reducing door closing speed prior to the previously encountered obstruction location and will continue to close in check speed until doors are fully closed, at which time the doors will reset to normal speed. If obstruction is encountered again, the door will come to a full stop. The doors shall remain stopped until obstruction is removed and operate signal is given, resetting the door to normal operation.
- G. Programmable Controller: Microprocessor controller shall be programmable and shall be designed for connection to a local configuration tool. Local configuration tool shall be software driven and shall be utilized via Palm<sup>®</sup> handheld interface. The following parameters may be adjusted via the configuration tool.
  - 1. Operating speeds and forces as required to meet ASNI/BHMA A156.10.
  - 2. Adjustable and variable features as specified in Paragraph 2.04.B.6.
  - 3. Firmware update.
  - 4. Trouble shooting.
    - a. I/O Status.

- b. Electrical component monitoring including parameter summary.
  - 5. Entrance profile copy/paste.
  - 6. Software for local configuration tool shall be available as a free download from the automatic door operators' manufacturer's internet site.
- H. Emergency Breakout Switch: A cam actuated emergency breakout switch shall be provided to disconnect power to the motor when an in-swinging door is manually pushed in the emergency out direction. The operator will then automatically reset and power will be resumed.
- I. Control Switch: Automatic door operators shall be equipped with a three position function switch to control the operation of the door. Control switch shall provide three modes of operation, Automatic, Off, and Hold-Open.
- J. Power Switch: Automatic door operators shall be equipped with a two position On/Off switch to control power to the door.

## 2.06 ALUMINUM FINISHES

- A. Comply with NAAMM Metal Finishes Manual for Architectural and Metal Products for recommendations for applying and designing finishes. Finish designations prefixed by AA comply with system established by Aluminum Association for designing finishes.
- B. Class II, Clear Anodic Finish: AA-M12C22A31 Mechanical Finish: as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class II, clear coating 0.40 mils minimum complying with AAMA 611-98, and the following
  - 1. AAMA 607.1.
  - 2. Applicator must be fully compliant with all applicable environmental regulations and permits, including wastewater and heavy metal discharge.

## PART 3-EXECUTION

### 3.01 INSPECTION

- A. Examine conditions, with Installer present, for compliance with requirements for installation tolerances, header support, and other conditions affecting performance of swinging automatic entrance doors. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 INSTALLATION

- A. Do not install damaged components. Fit joints to produce hairline joints free of burrs and distortion. Rigidly secure non-movement joints.
- B. Mounting: Install automatic door operators/headers plumb and true in alignment with established lines and grades. Anchor securely in place.
  - 1. Install surface-mounted hardware using concealed fasteners to greatest extent possible.
  - 2. Set headers, arms and linkages level and true to location with anchorage for permanent support.

- C. Door Operators: Connect door operators to electrical power distribution system as specified in Division 26 Sections.
- D. Sealant: Comply with requirements specified in Section 07 90 00–Caulking and Sealants to provide weather tight installation.

### 3.03 FIELD QUALITY CONTROL

- A. Testing Services: Factory Trained Installer shall test and inspect each swinging automatic entrance door to determine compliance of installed systems with applicable ANSI standards.

### 3.04 ADJUSTING

- A. Adjust door operators, controls, and hardware for smooth and safe operation, for weather tight closure, and complying with requirements in ANSI/BHMA A156.19 by AAADM Certified Technician.

### 3.05 CLEANING AND PROTECTION

- A. Clean surfaces promptly after installation. Remove excess sealant compounds, dirt, and other substances. Repair damaged finish to match original finish.

END OF SECTION



**PROPOSAL  
WORKSHEET SUMMARY**

Project: CITY OF CREST HILL - WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

Change Order Request #: 48 - Rev 2

To: Strand Associates, Inc.  
Dominic Gattone, PE

Date: 4/13/2026  
A/E Project #: IDFPR No. 184-001273  
VCC Project #: 11108.00

WORK DESCRIPTION
1) Aeration Tank Cleaning including removal of PVC Diffusers
2) Anaerobic Tank Cleaning (2 Tanks)
3) Mobilization

Line No	Cost Description	Labor Amt	Material Amt	Equip & Other Amt	Sub-Contractor Amt	Sub-Total
1	Stewart Spreading - See Attached - Aeration Tank				\$ 181,760.00	\$ 181,760.00
2	Stewart Spreading - See Attached - Anaerobic Tank				\$ 18,200.00	\$ 18,200.00
3	Stewart Spreading - See Attached - Mobilization (\$7500 x 2 trips)				\$ 15,000.00	\$ 15,000.00
4	Vissering Construction - VCC Labor to Coordinate Work	\$ 4,480.00				\$ 4,480.00
5						\$ -
6						\$ -
7						\$ -
8						\$ -
9						\$ -
10						\$ -
11						\$ -
12						\$ -
13						\$ -
14						\$ -
15						\$ -
16						\$ -
17						\$ -
18						\$ -
19						\$ -
20						\$ -
21						\$ -
22						\$ -
23						\$ -
24						\$ -
25						\$ -
<b>Sub-Total</b>		<b>\$ 4,480.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 214,960.00</b>	<b>\$ 219,440.00</b>

**ACCEPTANCE OF PROPOSAL (OWNER): City of Crest Hill**

Name/Title: Gary Richardson, Public Works Director  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Contractor's Net: \$ 4,480.00  
Sub-Contractor's Net: \$ 214,960.00  
Net Subtotal: \$ 219,440.00  
Contractor's Fee: (15% on Own Work, 5% on Subs, & 0% on Credits): \$ 11,420.00  
Sub-Total: \$ 230,860.00  
Bonds & Insurance - 1%: \$ 2,308.60  
**Worksheet Total: \$ 233,169.00**

**ACCEPTANCE OF PROPOSAL (A/E): Strand Associates, Inc.**

Name/Title: Dominic Gattone, PE  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**ACCEPTANCE OF PROPOSAL (CONTRACTOR): VISSERING CONSTRUCTION CO**

Name/Title: Tony Marzetta, Project Manager  
Signature: \_\_\_\_\_  
Date: December 1, 2025



April 13, 2026

**Vissering Construction**  
**175 Benchmark Industrial Drive**  
**Streator, IL 61364**  
**Attention: Mr. Tony Marzetta**

**RE: PROPOSAL FOR CREST HILL 8-AERATION AND 2-ANAEROBIC TANK CLEANINGS AND DISPOSAL**

**Stewart Spreading will provide:**

- Mobilization and demobilization of trained personnel and required equipment to and from Crest Hill Plant for safety conscious operations;
- All labor, equipment & technical expertise necessary for cleaning of tanks;
- Residuals removal, loading into Stewart Spreading's trailers for transportation to an appropriate landfill or land application site for final disposal;
- Cut and Remove PVC Aeration Diffusers from Aeration Tanks. PVC Diffusers will be removed during cleaning operations and is included in lump sum pricing. *Note: Does not include brackets. Disposal of PVC Aeration Diffusers to be provided by Vissering Construction.*
- Includes basic wash down / cleaning of Digesters and Aeration tank interiors with booster pump, hydrant water provided by Crest Hill WWTP. Remaining wash water that cannot be pumped out will be vacuumed out. *Note: Basic interior tank wash down included is the same level of cleaning that we always provide but does not include pressure washing.*
- Paying the landfill tipping fees for Aeration tank contents that has been dewatered;
- Provide generator required for tank cleaning operations;
- Land application of liquid biosolids will be invoiced to Crest Hill at the their current Biosolids agreement rates;
- Land application will be according to IEPA, USEPA & IEMA regulations and following agricultural timelines;
- All proper licensing, safety certifications and insurance documentation;
- Provide operation reports that meet IEPA regulations;
- Provide certificate of insurance with additionally insured endorsement for the duration of the project;
- Appropriately documented invoice within 30 days of completion.

**Vissering Construction / Crest Hill will provide:**

- Safely secured continuous plant access for tank cleaning operations;
- Water from hydrant at 60 psi & 60 GPM within 100' of the work area;
- A return for filtrate within 100' of the work area;
- Disposal of PVC diffusers;
- Land application of liquid biosolids from digesters will be invoiced to Crest Hill at the their current Biosolids agreement/contract rates;
- Payment of invoice within 30 days of project completion.
- Provide required testing, permits and landfill profile;
- A 2% monthly fee for all payments received beyond 30 days of invoice;



**Proposal Pricing:**

**Aeration Tank Cleaning (includes removal of PVC Diffusers) ..... \$181,760.00 Lump Sum**

- Aeration tanks cleaning (8-Tanks) includes volume of up to 3', if volume exceeds 3, overage will be invoiced at \$1.42 per gallon.

**Anaerobic Tank Cleaning (2-Tanks) ..... \$18,200.00 Lump Sum**

- Anaerobic tanks include volume up to 13,000 gallons total, if volume exceeds 13,000 gallons, overage will be invoiced at \$1.40 per gallon.
- Land application of liquid biosolids will be invoiced to Crest Hill at the their current Biosolids agreement/contract rates.

**Mobilization ..... \$7,500.00 per mobilization**

**Notes:**

- During Aeration Tank Cleaning, PVC Diffusers will be removed and is included in the lump sum pricing. *Note: Does not include removal of the brackets or disposal of PVC diffusers;*
- The 2 Digesters and 8 Aeration tank cleaning pricing includes basic wash down / cleaning with a booster pump. hydrant water to be provided by Crest Hill WWTP. Remaining wash water that cannot be pumped out will be vacuumed out. *Note: Basic interior tank wash down included is the same level of cleaning that we always provide but does not include pressure washing.*
- Aeration and digester tank volumes will be measured prior to beginning of tank cleaning operations. All parties will mutually agree upon the tank volume and sign off on the content sheet.
- Rates are based on work being performed Monday – Friday, during normal working hours.
- Proposal is valid for 10 days.

*Please let us know if there are any questions.*

ACCEPTED BY:  
**Stewart Spreading, Inc.**

*Greg Halmagyi*

Greg Halmagyi, Bus. Div. Mgr. 4/13/2026

Name/Title                      Date

Approved By:  
**Vissering Construction**

\_\_\_\_\_

\_\_\_\_\_                                      Date



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill, Illinois  
Contract 1-2022  
January 28, 2026

COST PROPOSAL NO.: 050

TO: Vissering Construction Company  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

Tony Marzetta, Project Manager	Vissering Construction Company (Contractor)
Gary Richardson	City of Crest Hill, Illinois
Dominic Gattone, P.E.	Strand Associates, Inc.®

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein. The purpose of this request connect the PLW Pumping Skid Run-dry signal to the SCADA system. The Grundfos package system was supplied with a liquid level switch to provide run dry protection.

DESCRIPTIONS AFFECTING THE SPECIFICATIONS

26 09 00 - 3.05C

050-01 Add the following as '3.':

“There is a low liquid level switch (LSL-C45-01) that shall shut down the motor in the event of a low level condition (“Hand” and “Auto” modes). Manual reset shall be required to restart the motor. Provide a hardwired time delay (0 to 5 seconds) to prevent nuisance tripping resulting from momentary power interruptions. Provide 120-volt fused power for the liquid level switch. Provide red pilot light on associated MCC bucket that shall be energized when the level switch is activated.”

DESCRIPTIONS AFFECTING THE DRAWINGS

**C45-E1.01**

050-02 Provide a NEMA 12 “PLW Liquid Level Switch Control Enclosure,” sized as needed, on adjacent wall for termination of level switch conductors. Splice manufacturer-recommended cable to manufacturer-furnished cable with Raychem D-1744 (NAS 1744) wire-to-wire splice to extend the wiring to enclosure in 3/4” conduit. Provide 24VDC power supply, overcurrent protection, and terminal blocks as required to provide 24VDC power to level switch and for termination of control conductors. Provide interposing relays as required to interface with 120VAC motor control wiring from MCC-C45. Enclosure shall be provided by 26 09 00 System Supplier.

050-03 Provide 4~#14 in 3/4” conduit from enclosure to MCC-C45 for shutdown signal and power wiring. Provide 2~#14 in 3/4” conduit from MCC-C45 to SCC-C45 for discrete input signal to PLC for liquid level switch shutdown signal.



**PROPOSAL  
WORKSHEET SUMMARY**

Project: CITY OF CREST HILL - WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

Change Order Request #: 050

To: Strand Associates, Inc.  
Dominic Gattone, PE

Date: 3/5/2026  
A/E Project #: IDFPR No. 184-001273  
VCC Project #: 11108.00

WORK DESCRIPTION
Per CPR 050 - PLW Pump Run Dry Protection

Line No	Cost Description	Labor Amt	Material Amt	Equip & Other Amt	Sub-Contractor Amt	Sub-Total
1	CONNELLY ELECTRIC				\$ 5,286.00	\$ 5,286.00
2	WUNDERLICH-MALEC				\$ 6,250.00	\$ 6,250.00
3						\$ -
4						\$ -
5						\$ -
6						\$ -
7						\$ -
8						\$ -
9						\$ -
10						\$ -
11						\$ -
12						\$ -
13						\$ -
14						\$ -
15						\$ -
16						\$ -
17						\$ -
18						\$ -
19						\$ -
20						\$ -
21						\$ -
22						\$ -
23						\$ -
24						\$ -
25						\$ -
<b>Sub-Total</b>		\$ -	\$ -	\$ -	\$ 11,536.00	\$ 11,536.00

**ACCEPTANCE OF PROPOSAL (OWNER): City of Crest Hill**

Name/Title: Gary Richardson, Public Works Director

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor's Net:	\$ -
Sub-Contractor's Net:	\$ 11,536.00
Net Subtotal:	\$ 11,536.00
Contractor's Fee: (15% on Own Work, 5% on Subs, & 0% on Credits):	\$ 576.80
Sub-Total:	\$ 12,112.80
Bonds & Insurance - 1%:	\$ -
<b>Worksheet Total:</b>	<b>\$ 12,113.00</b>

**ACCEPTANCE OF PROPOSAL (A/E): Strand Associates, Inc.**

Name/Title: Dominic Gattone, PE

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**ACCEPTANCE OF PROPOSAL (CONTRACTOR): VISSERING CONSTRUCTION CO**

Name/Title: Tony Marzetta, Project Manager

Signature: \_\_\_\_\_

Date: March 5, 2026



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill, Illinois  
Contract 1-2022  
January 28, 2026

COST PROPOSAL NO.: 050

TO: Vissering Construction Company  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

Tony Marzetta, Project Manager	Vissering Construction Company (Contractor)
Gary Richardson	City of Crest Hill, Illinois
Dominic Gattone, P.E.	Strand Associates, Inc.®

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein. The purpose of this request connect the PLW Pumping Skid Run-dry signal to the SCADA system. The Grundfos package system was supplied with a liquid level switch to provide run dry protection.

DESCRIPTIONS AFFECTING THE SPECIFICATIONS

26 09 00 - 3.05C

050-01 Add the following as '3.':

“There is a low liquid level switch (LSL-C45-01) that shall shut down the motor in the event of a low level condition (“Hand” and “Auto” modes). Manual reset shall be required to restart the motor. Provide a hardwired time delay (0 to 5 seconds) to prevent nuisance tripping resulting from momentary power interruptions. Provide 120-volt fused power for the liquid level switch. Provide red pilot light on associated MCC bucket that shall be energized when the level switch is activated.”

DESCRIPTIONS AFFECTING THE DRAWINGS

**C45-E1.01**

050-02 Provide a NEMA 12 “PLW Liquid Level Switch Control Enclosure,” sized as needed, on adjacent wall for termination of level switch conductors. Splice manufacturer-recommended cable to manufacturer-furnished cable with Raychem D-1744 (NAS 1744) wire-to-wire splice to extend the wiring to enclosure in 3/4” conduit. Provide 24VDC power supply, overcurrent protection, and terminal blocks as required to provide 24VDC power to level switch and for termination of control conductors. Provide interposing relays as required to interface with 120VAC motor control wiring from MCC-C45. Enclosure shall be provided by 26 09 00 System Supplier.

050-03 Provide 4~#14 in 3/4” conduit from enclosure to MCC-C45 for shutdown signal and power wiring. Provide 2~#14 in 3/4” conduit from MCC-C45 to SCC-C45 for discrete input signal to PLC for liquid level switch shutdown signal.



40 S. Addison Rd.  
Addison, IL 60101

# CHANGE NOTICE

**Connelly CCN #** 028  
**Field Ticket #**  
**Date:** 2/17/2026  
**Project Name:** Crest Hill WWTP - West Sewage Treatment Plant  
**Project Number:** 22-0686  
**Page Number:** 1

**Client Address:**

**Vissering Construction**

1631 Gaylord Rd.  
Crest Hill, IL 60403  
Telephone: 815.673.5511  
Contact: Tony Marazetta

**Site Address:**

**Vissering Construction**

Contact: Tony Marazetta  
1631 Gaylord Rd.  
Crest Hill, IL 60403

---

**Work Description**

---

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.  
 This price is good for acceptance within **10** days from the date of receipt.  
 We request a time extension of **3** days.  
 We will supply and install all materials, labor, and equipment as per your instructions on **Connelly CCN # 028**.

**Description:**

**This CCN was generated in response to the distribution of CPR050 which involved the connection of the PLW Pumping Skid Run-dry signal to the SCADA system.**

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**Itemized Breakdown**

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Description	Qty	Total Mat.	Total Hrs.
3/4" GRC (GALV)	100	434.71	6.00
3/4" GRC MYERS HUB	4	17.34	1.80
3/4" GRC COUPLING	10	31.03	0.17
3/4" GRC 90 ELBOW	3	27.76	1.20
3/4" 1-H MALL STRAP	20	38.61	0.80
3/4" MINERLC/BOLT	20	19.01	5.00
3/4" LT FLEX	3	9.54	0.15
3/4" LT STRAIGHT CONN	3	11.22	0.54
#14 THHN	500	108.95	2.50
CABLE TAG	1	14.30	1.00
FD 1GANG BOX	1	27.22	0.70
BOX SUPP HOLD-ITS #977	2	8.13	0.50
Install Enclosure, FBO	1	0.00	4.00
Connect to Instrument Panel	1	0.00	2.00
Connect to SCADA Cabinet	1	0.00	2.00
Splice to MFR-furnished cable	1	0.00	1.00
<b>Totals</b>	<b>671</b>	<b>747.82</b>	<b>29.36</b>

---

**Summary**

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**MATERIAL**

General Materials 747.82

**Material Total**

Foreman 1,963.74  
 Journeyman 1,865.39

(14.68 Hrs @ \$133.77)  
 (14.68 Hrs @ \$127.07)

Site Address:

## CHANGE NOTICE

**Vissering Construction**

1631 Gaylord Rd.  
Crest Hill, IL 60403

**Connelly CCN #** 028

**Field Ticket #**

**Date:** 2/17/2026

**Project Name:** Crest Hill WWTP - West Sewage Treatment Plant

**Project Number:** 22-0686

**Page Number:** 2

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**Summary (Cont'd)**

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Overhead	(@ 10.000 %)	457.70
Markup	(@ 5.000 %)	251.73

**Subtotal**

---

**5,286.38**

---

**Final Amount**

**\$5,286.38**



**March 5, 2026**

**Project Name: West Sewage Treatment Plant Improvements**

**Project Location: City of Crest Hill, Illinois**

**Consulting Engineer: Strand Associates, Inc**

**WME Change Order – 12 Rev B**

---

Vissering Construction  
Tony Marzetta - [tmarzetta@vissering.com](mailto:tmarzetta@vissering.com)  
Project 11108.00

**Reference: CPR050 PLW Pumping Skid**  
**Note: Reduced to (1) LSL per return comments.**

Wunderlich-Malec Environmental is pleased to offer the following add proposal.

Total price for the Add is \$6,250.00 Net Excluding Tax

Enhancement Hours Requested for the Programming Changes: 2

Breakout  
See Attached

This proposal consists of two (2) pages. If you have any questions regarding this proposal, please do not hesitate to contact me at 952-843-5846

Yours Truly,

*Ken Kawiecki*

SIGNED ELECTRONICALLY

Ken Kawiecki  
[ken.kawiecki@wmeng.com](mailto:ken.kawiecki@wmeng.com)  
Wunderlich-Malec Environmental  
"Employee Owned, Customer Committed"

EEO/Affirmative Action Employer

Change Order 12

COMPONENT	MFR	MODEL	QTY	COST	TOTAL	Note
Hinge Enclosure	Hoffman	A1412CHQR	1	\$215.00	\$215.00	
Hinge Enclosure Sub Panel	Hoffman	A14P12	1	\$12.00	\$12.00	
Circuit Breaker - 5 Amp	AB	1489-M1C050	1	\$34.00	\$34.00	
Power Supply	AB	1606-XLS15E	1	\$50.00	\$50.00	
Relay	AB	700-HK32D24-4	1	\$13.00	\$13.00	
Relay Base	AB	700-HN122	1	\$6.00	\$6.00	
Timer	Idec	GT5Y-4	1	\$60.00	\$60.00	
Timer Base	Idec		1	\$6.00	\$6.00	
Fues Holder	AB	1492-H5	1	\$8.00	\$8.00	
Fuse	Bussmann	MDL4	1	\$5.00	\$5.00	
Terminals	AB	1492-J3	12	\$0.40	\$4.80	
Ground Bar	Square D	PK9TGA	1	\$15.00	\$15.00	
Shop Stock	WME	Multiple	1	\$50.00	\$50.00	
<b>MCC Additions</b>						
Red Light	AB	800H-PTHR16R	1	\$30.00	\$30.00	
Contract Block	AB	800T-XA2	1	\$14.00	\$14.00	
Relay	AB	700-HK32A1-4	1	\$15.00	\$15.00	
Relay Base	AB	700-HN122	1	\$6.00	\$6.00	
TOTAL					\$522.80	
					\$78.42	15% Markup
					<b>Sub Total Material Sell</b>	<b>\$601.22</b>
Freight (Inbound / Outbound)			1	\$150.00	\$150.00	
Project Mangement		03 13	5	\$185.00	\$925.00	
Engineering		03 11	8	\$160.00	\$1,280.00	
CAD		03 21	8	\$105.00	\$840.00	
Production		02 51	8	\$105.00	\$840.00	
Test		02 61	2	\$105.00	\$210.00	
Programming - PLC - See Below		03 31	0	\$160.00	\$0.00	
Programming - OIT / SCADA - See Below		03 41	0	\$160.00	\$0.00	
Field Modifications		03 71	8	\$140.00	\$1,120.00	
Startup		03 71	2	\$140.00	\$280.00	
					<b>Labor Sell</b>	<b>\$5,495.00</b>
<b>Total (Equipment, Labor, Expenses)</b>					<b>\$6,246.22</b>	
<b>Enhancement Request</b>			<b>Hours</b>			
Programming - PLC and SCADA			2			



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill, Illinois  
Contract 1-2022  
February 5, 2026

COST PROPOSAL NO.: 048

TO: Vissering Construction Company  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

Tony Marzetta, Project Manager	Vissering Construction Company (Contractor)
Gary Richardson	City of Crest Hill, Illinois
Dominic Gattone, P.E.	Strand Associates, Inc.®

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein. The purpose of this request is to eliminate connection to the East Sewage Treatment Plant SCADA System and its Historian server over the City/Comcast ENS network.

DESCRIPTIONS AFFECTING THE SPECIFICATIONS

**Section 26 09 01 SCADA Programming**

048-01 Provide a rack-mounted server for use as a local historian server. Server shall be installed in the Structure 70 network rack and powered from the UPS furnished with the rack. Server shall be Dell PowerEdge with the following minimum specifications:

- Single 16-core processor, 32-thread
- BOSS with RAID 1 configuration, minimum 256G
- Separate RAID 5 storage volume, minimum 3TB, space for minimum 3 solid-state drives
- Minimum 64 GB RAM
- Chassis with space for 8 drives
- iDRAC with out of band hardware management platform and remote troubleshooting
- 6 NICs
- Windows Server 2025 OS with downgrade license keys for 2019 & 2022 OS's
- 5-year support contract

Submit server selection for review by Engineer before ordering. The server shall be configured for the following VMs: Domain Controller, Demilitarized Zone (DMZ), Historian, and Access Anywhere. Server configuration shall be reviewed with Engineer once server is received (assume 2 hour meeting).

048-02 Subsection 2.01 SCADA System Computers and Software -E.3.j - Delete "Remote IDAS to Connect to Existing East STP Historian Server" from the Table 2.01 SCADA Computer Software Schedule. Add a 5,000-tag Historian Server license (to be installed on the new West STP Historian Server VM described above) and Historian Client licenses on each of the SCADA1, SCADA2, and SCADA4 desktop computers.

048-03 Subsection 2.01 SCADA System Computers and Software -E.3.j - Provide an InTouch AccessAnywhere Application Server and one read/write InTouch runtime license on the new West STP Access Anywhere Server VM described above. Provide an AccessAnywhere Gateway on the new West STP DMZ Server VM described above.

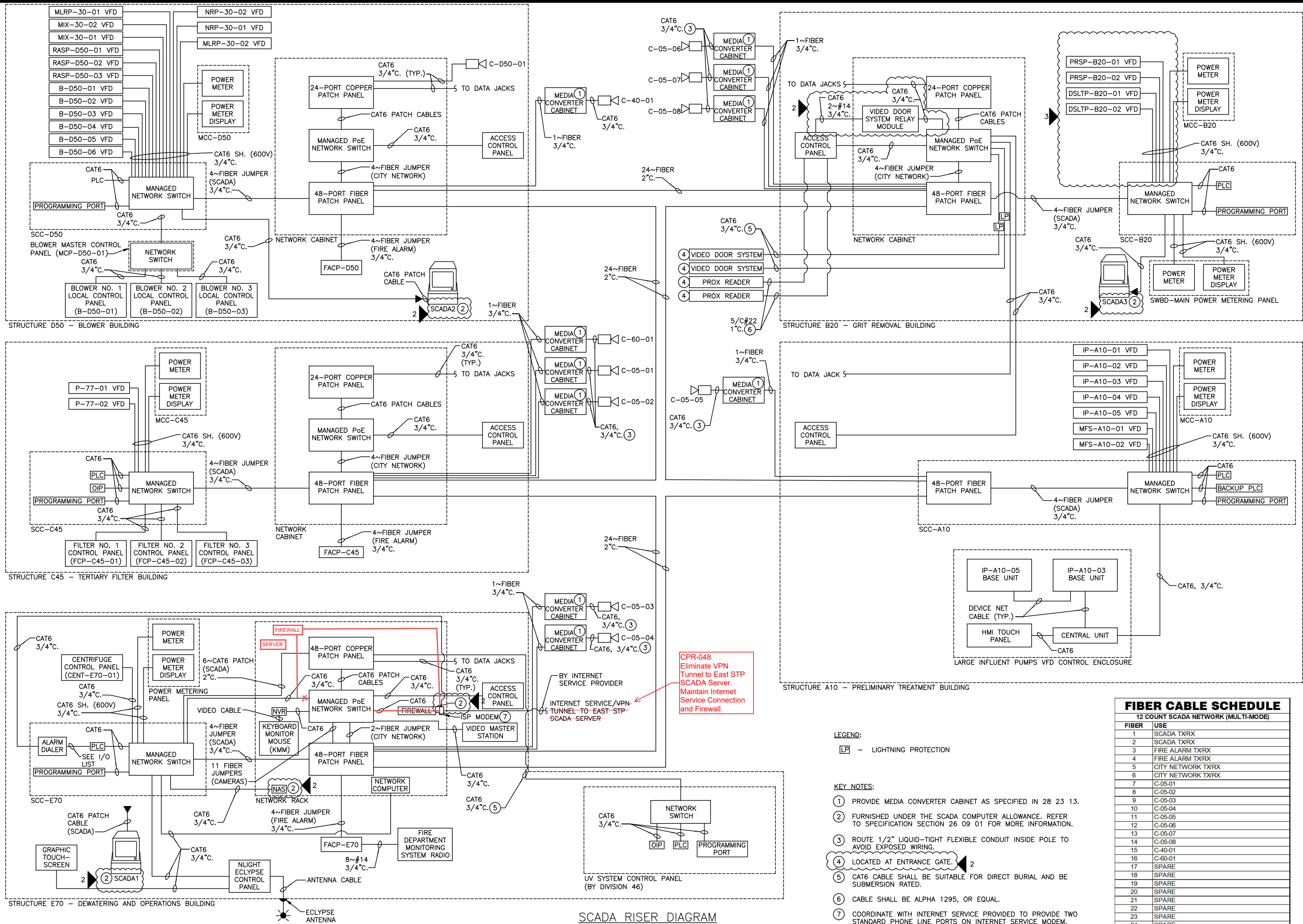


048-04 Subsection 2.01 SCADA System Computers and Software - G. Delete entire Paragraphs 2 and 3.

DESCRIPTIONS AFFECTING THE DRAWINGS

**Drawing 99-E6.03 - Electrical SCADA Riser Diagram**

048-05 See attached mark-up.



SCADA RISER DIAGRAM  
NO SCALE

**FIBER CABLE SCHEDULE**

12 COUNT SCADA NETWORK (MULTI-MODE)

FIBER	USE
1	SCADA TX/RX
2	SCADA TX/RX
3	FIRE ALARM TX/RX
4	FIRE ALARM TX/RX
5	CITY NETWORK TX/RX
6	CITY NETWORK TX/RX
7	C-05-01
8	C-05-02
9	C-05-03
10	C-05-04
11	C-05-05
12	C-05-06
13	C-05-07
14	C-05-08
15	C-40-01
16	C-60-01
17	SPARE
18	SPARE
19	SPARE
20	SPARE
21	SPARE
22	SPARE
23	SPARE
24	SPARE

- LEGEND:**
- LP - LIGHTNING PROTECTION
- KEY NOTES:**
- PROVIDE MEDIA CONVERTER CABINET AS SPECIFIED IN 28 23 13.
  - FURNISHED UNDER THE SCADA COMPUTER ALLOWANCE. REFER TO SPECIFICATION SECTION 26 09 01 FOR MORE INFORMATION.
  - ROUTE 1/2" LIQUID-TIGHT FLEXIBLE CONDUIT INSIDE POLE TO AVOID EXPOSED WIRING.
  - LOCATED AT ENTRANCE GATE.
  - CAT6 CABLE SHALL BE SUITABLE FOR DIRECT BURIAL AND BE SUBMERSION RATED.
  - CABLE SHALL BE ALPHA 1295, OR EQUAL.
  - COORDINATE WITH INTERNET SERVICE PROVIDED TO PROVIDE TWO STANDARD PHONE LINE PORTS ON INTERNET SERVICE MODEM.

CPR-048  
Eliminate VPN Tunnel to East STP SCADA Server.  
Maintain Internet Service Connection and Firewall.

**REVISIONS**

NO.	ISSUED FOR	DATE
1	ISSUED FOR BID	5/12/2022
2	CONFORMED DRAWING	12/1/2022
3	CHANGE ORDER NO. 1	3/7/2023

**ELECTRICAL SCADA RISER DIAGRAM**

WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

**JOB NO.**  
3894.051

**PROJECT MGR.**  
DOMINIC GATTONE

**SHEET**  
231  
99-E6.03



**PROPOSAL  
WORKSHEET SUMMARY**

Project: CITY OF CREST HILL - WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

Change Order Request #: 051

To: Strand Associates, Inc.  
Dominic Gattone, PE

Date: 2/24/2026  
A/E Project #: IDFPR No. 184-001273  
VCC Project #: 11108.00

WORK DESCRIPTION
RFP051 - Historian License

Line No	Cost Description	Labor Amt	Material Amt	Equip & Other Amt	Sub-Contractor Amt	Sub-Total
1	WUNDERLICH-MALEC				\$ 52,520.00	\$ 52,520.00
2						\$ -
3						\$ -
4						\$ -
5						\$ -
6						\$ -
7						\$ -
8						\$ -
9						\$ -
10						\$ -
11						\$ -
12						\$ -
13						\$ -
14						\$ -
15						\$ -
16						\$ -
17						\$ -
18						\$ -
19						\$ -
20						\$ -
21						\$ -
22						\$ -
23						\$ -
24						\$ -
25						\$ -
<b>Sub-Total</b>		\$ -	\$ -	\$ -	\$ 52,520.00	\$ 52,520.00

**ACCEPTANCE OF PROPOSAL (OWNER): City of Crest Hill**

Name/Title: Gary Richardson, Public Works Director

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor's Net:	\$ -
Sub-Contractor's Net:	\$ 52,520.00
Net Subtotal:	\$ 52,520.00
Contractor's Fee: (15% on Own Work, 5% on Subs, & 0% on Credits):	\$ 2,626.00
Sub-Total:	\$ 55,146.00
Bonds & Insurance - 1%:	\$ -
<b>Worksheet Total:</b>	<b>\$ 55,146.00</b>

**ACCEPTANCE OF PROPOSAL (A/E): Strand Associates, Inc.**

Name/Title: Dominic Gattone, PE

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**ACCEPTANCE OF PROPOSAL (CONTRACTOR): VISSERING CONSTRUCTION CO**

Name/Title: Tony Marzetta, Project Manager

Signature: \_\_\_\_\_

Date: February 24, 2026



February 24, 2026

**Project Name: West Sewage Treatment Plant Improvements**

**Project Location: City of Crest Hill, Illinois**

**Consulting Engineer: Strand Associates, Inc**

**WME Change Order – 13 Rev A**

---

Vissering Construction  
Tony Marzetta - [tmarzetta@vissering.com](mailto:tmarzetta@vissering.com)  
Project 11108.00

**Reference: CPR048 Historian**

Wunderlich-Malec Environmental is pleased to offer the following add proposal.

Total price for the Add is \$52,520.00 Net Excluding Tax

Enhancement Hours Requested for the Programming Changes: 24

Breakout  
See Attached

Note: Downgrade Pack to 2019 is no longer available, WME is including the downgrade pack to 2002.

This proposal consists of eleven (11) pages. If you have any questions regarding this proposal, please do not hesitate to contact me at 952-843-5846

Yours Truly,

*Ken Kawiecki*

SIGNED ELECTRONICALLY

Ken Kawiecki  
[ken.kawiecki@wmeng.com](mailto:ken.kawiecki@wmeng.com)  
Wunderlich-Malec Environmental  
"Employee Owned, Customer Committed"

EEO/Affirmative Action Employer

Corporate Office 6101 Blue Circle Drive, Eden Prairie, MN 55343 Phone: 952-933-3222 Fax: 952-933-0608 [www.wmeng.com](http://www.wmeng.com)  
Arizona California Colorado Georgia Illinois Maine Minnesota New Hampshire New Mexico New York North Carolina Ohio Oregon Tennessee Texas Wisconsin



## BU Project – Dell Server

## Prepared for:

Wunderlich-Malec Systems

Attn: Ken Kawiecki

## Prepared by:

High Point Networks, LLC

## Hardware

Qty	Item	Description	Price	Ext. Price
1	210-BNMR	PowerEdge R470 Server, Enterprise	\$16,662.32	\$16,662.32
1	210-BNMR	PowerEdge R470 Server, Enterprise		
1	321-BLDY	2.5" Chassis with up to 8 Hard Drives (SAS/SATA), Smart Flow, Rear IO, H965i		
1	338-CTBM	Intel Xeon 6 Performance 6511P 2.3G, 16C/32T, 72M Cache, Turbo, (150W) DDR5-6400		
1	412-BBKQ	Extended heatsink without DIMM blanks		
1	370-AAIP	Performance Optimized		
1	370-BCCX	6400MT/s RDIMMs		
1	780-BCDP	RAID 5		
1	403-BDMY	PERC H965i Controller, Front, DCMHS		
1	384-BBBL	Performance BIOS Settings		
1	800-BBDM	UEFI BIOS Boot Mode with GPT Partition		
1	387-BBEY	No Energy Star		
1	384-BDQL	PowerEdge 1U High Performance Silver Fan		
1	450-BDRV	Dual, Redundant(1+1), Hot-Plug MHS Power Supply, 800WMM(100-240Vac) Titanium		
1	330-BCWK	Riser Config 6, 2x16 FH Slots (Gen5), 1x16 Onboard OCP		
1	330-BCYF	PowerEdge R470 Motherboard fo RTS 1.1, ROW		
1	780-BCZQ	No OCP Blanks or Cables Required		
1	470-AEYU	No Cables Required		

## Hardware

Qty	Item	Description	Price	Ext. Price
1	325-BFXF	PowerEdge 1U Standard Bezel		
1	350-BDDK	Dell Luggage Tag for x8 and x10 Chassis		
1	403-BDMM	BOSS-N1 controller card + with 2 M.2 480GB (RAID 1) (22x80)		
1	634-CVGB	Windows Server 2025 Standard,16CORE,FI,No Med,No CAL, Multi Language		
1	634-CSHS	Secure Enterprise Key Manager License 3.0		
1	634-CSHT	Secured Component Verification		
1	634-CSHY	iDRAC10, Enterprise 17G		
1	379-BFXS	Dell Connectivity Client - Enabled		
1	634-CZRP	Dell Connectivity Module 17G		
1	634-CZWJ	Dell Secure Onboarding Client 17G - Disabled		
1	350-BCYJ	Blank Left Ear Module		
1	379-BETF	iDRAC Legacy Password for OCP cards		
1	770-BDMT	Cable Management Arm		
1	770-BECD	ReadyRails Sliding Rails (A15)		
1	340-DNSW	PowerEdge Shipping		
1	340-DSBN	PowerEdge R470 Shipping		
1	340-DNSY	PowerEdge 1U Shipping Material		
1	389-FHHX	PowerEdge CCC, No CE Label Marking		
1	709-BBFM	Basic Next Business Day 36 Months		
1	865-BBMY	ProSupport and Next Business Day Onsite Service Initial, 36 Month(s)		
1	865-BBMZ	ProSupport and Next Business Day Onsite Service Extension, 24 Month(s)		
1	883-BBFN	No Field Deployment		
4	370-BCCY	32GB RDIMM, 6400MT/s, Dual Rank		
3	161-BCBX	2.4TB Hard Drive SAS ISE 12Gbps 10K 512e 2.5in Hot-Plug		

## Hardware

Qty	Item	Description	Price	Ext. Price
2	450-AALV	Power Cord - NEMA 5-15P to C13, 3M, 125V, 15A (North America, Guam, North Marianas, Philippines, Samoa, Vietnam)		
1	540-BFPS	Broadcom 57412 Quad Port 10GbE Base-T adapter, OCP 3.0 NIC +Sec		
1	528-DHTW	Windows Server 2025 Standard,16CORE,DF Recovery Image, Multi Lang, (Downgrade not included)		
1	528-DHVD	Windows Server 2025 Standard,No Media,WS2022 Std Downgrade DF Media, Multi Language		
1	634-CVBQ	Windows Server 2025 Standard,No Media, WS2022 Std Downgrade w/DVD Media,Multi Lang		
1	634-CVGJ	Windows Server 2025 Standard,16CORE,Media Kit, Multi Lang, (Downgrade not included)		
1	634-CVFT	Windows Server 2025 Standard Edition, Add License,16CORE,NO MEDIA/KEY		
			<b>Subtotal:</b>	<b>\$16,662.32</b>

## Quote Summary

Description	Amount
Hardware	\$16,662.32
<b>Total:</b>	<b>\$16,662.32</b>



# PowerEdge R470

## Unprecedented Single-Socket Server with Optimized Power and Balanced Performance

### Boost Datacenter Efficiencies and Performance

The Dell PowerEdge R470 is a 1U, single-socket rack server engineered for high-performance computing with optimal power efficiency and balanced performance, driving cost savings and boosting data center productivity. Its advanced design maximizes rack utilization by offering more cores in a single socket enabling better performance in a smaller footprint while minimizing energy consumption. This makes it ideal for workloads like cloud scale web and app microservices, data services, virtualization, and scale-out database.

Purpose-built for enterprise and scalable infrastructures, the PowerEdge R470 seamlessly integrates into existing environments. Equipped with an Intel® Xeon® processor with E-cores that are tailored for energy efficiency and performance-per-watt, offering both improved power efficiency and higher rack density. With GPU support, it further enhances computational power while reducing overall operational costs, especially on energy consumption impact.

The server is available in rear I/O hot aisle and front I/O cold aisle configurations, with the front I/O cold aisle improving serviceability, reducing maintenance time, and enhancing overall efficiency, reliability, and uptime. Dell's Smart Power and Cooling Technology, optimized for air cooling, significantly reduces energy consumption, delivering long-term operational savings and supporting sustainability goals.

### Cyber Resilient Architecture for Zero Trust IT environment & operations

Security is integrated into every phase of the PowerEdge lifecycle, including protected supply chain and factory-to-site integrity assurance. The Silicon-based root of trust anchors end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls safeguard trusted operations.

### Increase efficiency and accelerate operations with autonomous collaboration

The Dell OpenManage systems management portfolio tames the complexity of managing and securing IT infrastructure. Using Dell Technologies' intuitive end-to-end tools, IT can deliver a secure, integrated experience by reducing process and information silos in order to focus on growing the business. The Dell OpenManage portfolio is the key to your innovation engine, unlocking the tools and automation that help you scale, manage, and protect your technology environment.

### Sustainability

From recycled materials in our products and packaging, to thoughtful, innovative options for energy efficiency, the PowerEdge portfolio is designed to make, deliver, and recycle products to help reduce the carbon footprint and lower your operation costs. We even make it easy to retire legacy systems responsibly with Dell Technologies.

### Rest easier with Dell Technologies Services

Maximize your PowerEdge Servers with comprehensive services designed to meet you wherever you are. Accelerate time to value in achieving high AI use cases with **Professional Services for AI**, choose from tailored deployment options with the **ProDeploy Suite**, receive proactive and predictive support with our **ProSupport Suite**, and so much more with our services available across 170 locations and backed by our 60K+ employees and partners.

#### PowerEdge R470

The Dell PowerEdge R470 is powered by Intel Xeon 6 Processors, DDR5 Memory, NVMe BOSS, Energy Star compliant and advanced cooling.

Ideal for:

- Cloud scale web and app microservices
- Data services
- Virtualization
- Scale-out database

Feature	Technical Specifications				
Processor	One Intel® Xeon 6 E-core processor with up to 144 cores per processor or One Intel® Xeon 6 P-core processor with up to 86 Cores with R1S option				
Memory	<ul style="list-style-type: none"> <li>16 DDR5 DIMM slot, supports RDIMM 4TB max, speeds up to 6400 MT/s</li> <li>Intel® Xeon® 6 E-core processor - supports 1 TB max</li> <li>Intel® Xeon® 6 P-core processor with up to 86 cores with R1S option - supports 4 TB max</li> <li>Supports registered ECC DDR5 DIMMs only</li> </ul> <p>Note: The installed processor may reduce the operating speed of the DIMM</p>				
Storage controllers	<ul style="list-style-type: none"> <li>Internal Controllers (RAID): PERC H365i DC-MHS, front PERC H965i DC-MHS, PERC H365i adapter, PERC H965i adapter</li> <li>External Controllers: HBA465e, H965e(RAID)</li> <li>Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS): HWRAID 1, 2 xM.2 NVMe SSDs, M.2 interposer with upto 2 x M.2 NVMe SSDs or USB</li> </ul>				
Drive Bays	<p>Front bays:</p> <ul style="list-style-type: none"> <li>Up to 8 x EDSFF E3.S Gen5 NVMe max 491.52 TB</li> <li>Up to 16 x EDSFF E3.S Gen5 NVMe max 983.04 TB</li> <li>Up to 8 x 2.5-inch SATA/NVMe max 491.52 TB</li> <li>Up to 10 x 2.5 - inch SATA/NVMe (with 4 x 2.5 -inch universal) max 614.4 TB</li> <li>Up to 4 x 3.5 - inch SATA max 128 TB (only supported with rear 2 x E3.S drives; not supported as standalone front-only configuration)</li> </ul> <p>Rear bays:</p> <ul style="list-style-type: none"> <li>Up to 2 x EDSFF E3.S Gen5 NVMe max 122.88 TB</li> </ul>				
Power Supplies	<ul style="list-style-type: none"> <li>800W Platinum/Titanium 100-240 VAC or 240 HVDC, hot swap redundant</li> <li>1100 W Platinum/Titanium 100-240 VAC or 240 HVDC, hot swap redundant</li> <li>1500 W Titanium 100-240 VAC or 240 HVDC, hot swap redundant</li> <li>1500 W 277 Vac and HVDC Titanium, hot swap redundant</li> <li>1400W -48v DC Titanium, hot swap redundant</li> </ul>				
Cooling Options	Air cooling				
Fans	<ul style="list-style-type: none"> <li>Up to 4 sets (dual fan module) hot swappable fans</li> </ul>				
Dimensions	<ul style="list-style-type: none"> <li>Height – 42.8 mm (1.69 inches)</li> <li>Width – 482 mm (19.0 inches)</li> <li>Depth – 816.92 mm (32.16 inches) with bezel</li> <li>Depth – 815.14 mm (32.09 inches) without bezel</li> <li>Depth (Front I/O Configuration) — 829.44 mm (32.09 inches) without bezel</li> </ul> <p>Note: Front I/O configuration will not have a bezel.</p>				
Form Factor	1U rack server				
Embedded Management	<ul style="list-style-type: none"> <li>iDRAC</li> <li>iDRAC Direct</li> <li>iDRAC RESTfull API with redfish</li> <li>RACADM CLI</li> <li>iDRAC Service Module</li> </ul>				
Bezel	Optional security bezel				
Security	<ul style="list-style-type: none"> <li>Cryptographically signed firmware</li> <li>Data at Rest Encryption (SEDs with local or external key mgmt)</li> <li>Secure Boot</li> <li>Secured Component Verification (Hardware integrity check)</li> <li>Secure Erase</li> <li>Silicon Root of Trust</li> <li>System Lockdown (requires iDRAC10 Enterprise or Datacenter)</li> <li>TPM 2.0 FIPS, CC-TCG certified</li> <li>Chassis Intrusion Detection</li> </ul>				
OCP network options	<ul style="list-style-type: none"> <li>Up to two OCP NIC card 3.0: Two slots on the front or two slots on the rear (optional)</li> </ul> <p>Slot Numbers: 2,5,31,32</p>				
Embedded NIC	<ul style="list-style-type: none"> <li>1 Gb dedicated BMC Ethernet port</li> </ul>				
GPU Options	Up to 4 x 75 W SW				
DPU Options	NVIDIA BlueField-3 2 x 200 GbE B3220				
Ports	<table border="0"> <tr> <td> <p>Front Ports</p> <ul style="list-style-type: none"> <li>1 x USB 2.0 Type - C port</li> <li>1 x USB 2.0 Type A port (optional)</li> <li>1 x Mini-DisplayPort (optional)</li> <li>1 x DB9 Serial (with front I/O configuration)</li> <li>1 x Dedicated BMC Ethernet port (with front I/O configuration)</li> </ul> </td> <td> <p>Rear Ports</p> <ul style="list-style-type: none"> <li>1 x Dedicated BMC Ethernet port</li> <li>2 x USB 3.1 Type A ports</li> <li>1 x VGA</li> </ul> </td> </tr> <tr> <td colspan="2"> <p>Internal Ports</p> <ul style="list-style-type: none"> <li>1 x USB 3.1 Type A port</li> </ul> </td> </tr> </table>	<p>Front Ports</p> <ul style="list-style-type: none"> <li>1 x USB 2.0 Type - C port</li> <li>1 x USB 2.0 Type A port (optional)</li> <li>1 x Mini-DisplayPort (optional)</li> <li>1 x DB9 Serial (with front I/O configuration)</li> <li>1 x Dedicated BMC Ethernet port (with front I/O configuration)</li> </ul>	<p>Rear Ports</p> <ul style="list-style-type: none"> <li>1 x Dedicated BMC Ethernet port</li> <li>2 x USB 3.1 Type A ports</li> <li>1 x VGA</li> </ul>	<p>Internal Ports</p> <ul style="list-style-type: none"> <li>1 x USB 3.1 Type A port</li> </ul>	
<p>Front Ports</p> <ul style="list-style-type: none"> <li>1 x USB 2.0 Type - C port</li> <li>1 x USB 2.0 Type A port (optional)</li> <li>1 x Mini-DisplayPort (optional)</li> <li>1 x DB9 Serial (with front I/O configuration)</li> <li>1 x Dedicated BMC Ethernet port (with front I/O configuration)</li> </ul>	<p>Rear Ports</p> <ul style="list-style-type: none"> <li>1 x Dedicated BMC Ethernet port</li> <li>2 x USB 3.1 Type A ports</li> <li>1 x VGA</li> </ul>				
<p>Internal Ports</p> <ul style="list-style-type: none"> <li>1 x USB 3.1 Type A port</li> </ul>					
PCIe	<p>Up to 4 Gen5 PCIe slots (x16 connectors)</p> <ul style="list-style-type: none"> <li>Slot 1 -1 x8 Gen5 Low Profile</li> <li>Slot 1 -1 x16 Gen5 (x16 connector) full height, half length on rear riser</li> <li>Slot 4 -1 x16 Gen5 (x16 connector) full height, half length on rear riser</li> <li>Slot 31 -1 x16 Gen5 (x16 connector) full height, half length on rear riser</li> <li>Slot 32 -1 x16 Gen5 (x16 connector) full height, half length on rear riser</li> </ul>				

Feature	Technical Specifications
Operating System and Hypervisors	<ul style="list-style-type: none"> <li>• Canonical Ubuntu Server LTS</li> <li>• Red Hat Enterprise Linux</li> <li>• SUSE Linux Enterprise Server</li> <li>• VMware ESXi</li> <li>• Windows Server</li> <li>• Windows Server Datacenter</li> </ul> <p>For specifications and interoperability details, see <a href="https://Dell.com/OSsupport">Dell.com/OSsupport</a>.</p>
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit <a href="https://Dell.com/OEM">Dell.com/OEM</a> .

**NOTE:** From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you with our OEMR platforms, while XL platforms provide extended transitions and stability for OEM Solutions customers. For more information, visit [Dell.com](https://Dell.com) -> Solutions -> OEM Solutions.

### APEX on Demand

APEX Flex on Demand Acquire the technology you need to support your changing business with payments that scale to match actual usage. For more information, visit [www.delltechnologies.com/en-us/payment-solutions/flexible-consumption/flex-on-demand.htm](https://www.delltechnologies.com/en-us/payment-solutions/flexible-consumption/flex-on-demand.htm).

**NOTE:** This document provides a comprehensive list of product features. However, features marked with an asterisk (\*) may not be available at launch but introduced in future updates. Please note that this document does not confirm the availability or release timeline of any feature. For the most accurate and up-to-date information on feature availability, please refer to the product configurator page on [dell.com](https://dell.com).

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## Crest Hill - West STP Additions

---

QUOTE

PREPARED FOR

Wunderlich-Malec Engineering/Systems, Inc.



804.378.8981    spalumbo@insourcess.com    www.insource.solutions

Friday, February 06, 2026

Wunderlich-Malec Engineering/Systems, Inc.  
Ken Kawiecki  
6101 Blue Circle Dr  
Eden Prairie, MN 55343-9108  
ken.kawiecki@wmeng.com

Dear Ken,

Thank you for your partnership.

At InSource, our mission is to help organizations operate smarter, stronger, and more competitively. We understand that success in today's environment requires more than just the right software or hardware—it requires a trusted partner who can bring together technology, services, and expertise to deliver sustainable results.

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Sales Operations Coordinator  
Richmond, VA



804.378.8981    spalumbo@insourcess.com    www.insource.solutions

SiteID: 149388  
Crest Hill WWTP,  
1610 Plainfield Road, Crest Hill Illinois 60435

## Software

Item	Description	Price	Qty	Ext. Price
1 HstClt-01-N-231	<b>AVEVA Historian Client Desktop 2023 R2, Concurrent User Single</b>	\$2,683.00	3	\$8,049.00
2 InTch-06-N-231	<b>AVEVA InTouch HMI 2023 R2 Workstation 100K Tag with I/O</b>	\$9,398.00	1	\$9,398.00
<b>Customer FIRST</b>	<b>Customer FIRST Contract #110227 - Pro-rated 7 months to Expire 10/8/2026</b>	<b>\$1,355.00</b>	<b>1</b>	<b>\$1,355.00</b>
Subtotal:				<b>\$18,802.00</b>



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill, Illinois  
Contract 1-2022  
February 5, 2026

COST PROPOSAL NO.: ~~048~~ 051

TO: Vissering Construction Company  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

Tony Marzetta, Project Manager	Vissering Construction Company (Contractor)
Gary Richardson	City of Crest Hill, Illinois
Dominic Gattone, P.E.	Strand Associates, Inc.®

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein. The purpose of this request is to eliminate connection to the East Sewage Treatment Plant SCADA System and its Historian server over the City/Comcast ENS network.

DESCRIPTIONS AFFECTING THE SPECIFICATIONS

**Section 26 09 01 SCADA Programming**

048-01 Provide a rack-mounted server for use as a local historian server. Server shall be installed in the Structure 70 network rack and powered from the UPS furnished with the rack. Server shall be Dell PowerEdge with the following minimum specifications:

- Single 16-core processor, 32-thread
- BOSS with RAID 1 configuration, minimum 256G
- Separate RAID 5 storage volume, minimum 3TB, space for minimum 3 solid-state drives
- Minimum 64 GB RAM
- Chassis with space for 8 drives
- iDRAC with out of band hardware management platform and remote troubleshooting
- 6 NICs
- Windows Server 2025 OS with downgrade license keys for 2019 & 2022 OS's
- 5-year support contract

Submit server selection for review by Engineer before ordering. The server shall be configured for the following VMs: Domain Controller, Demilitarized Zone (DMZ), Historian, and Access Anywhere. Server configuration shall be reviewed with Engineer once server is received (assume 2 hour meeting).

048-02 Subsection 2.01 SCADA System Computers and Software -E.3.j - Delete "Remote IDAS to Connect to Existing East STP Historian Server" from the Table 2.01 SCADA Computer Software Schedule. Add a 5,000-tag Historian Server license (to be installed on the new West STP Historian Server VM described above) and Historian Client licenses on each of the SCADA1, SCADA2, and SCADA4 desktop computers.

048-03 Subsection 2.01 SCADA System Computers and Software -E.3.j - Provide an InTouch AccessAnywhere Application Server and one read/write InTouch runtime license on the new West STP Access Anywhere Server VM described above. Provide an AccessAnywhere Gateway on the new West STP DMZ Server VM described above.

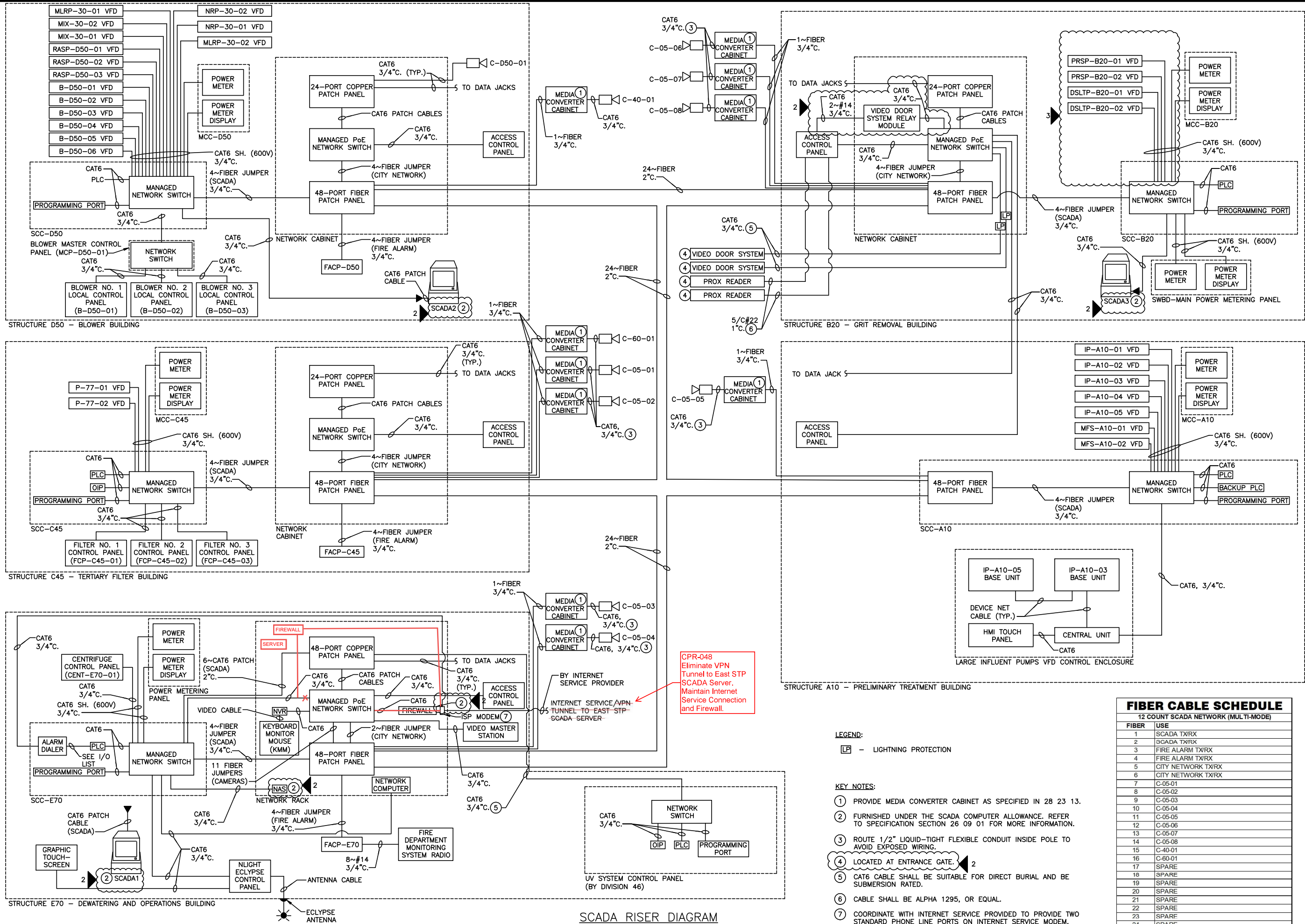


048-04 Subsection 2.01 SCADA System Computers and Software - G. Delete entire Paragraphs 2 and 3.

DESCRIPTIONS AFFECTING THE DRAWINGS

**Drawing 99-E6.03 - Electrical SCADA Riser Diagram**

048-05 See attached mark-up.



SCADA RISER DIAGRAM  
NO SCALE

**FIBER CABLE SCHEDULE**

12 COUNT SCADA NETWORK (MULTI-MODE)

FIBER	USE
1	SCADA TX/RX
2	SCADA TX/RX
3	FIRE ALARM TX/RX
4	FIRE ALARM TX/RX
5	CITY NETWORK TX/RX
6	CITY NETWORK TX/RX
7	C-05-01
8	C-05-02
9	C-05-03
10	C-05-04
11	C-05-05
12	C-05-06
13	C-05-07
14	C-05-08
15	C-40-01
16	C-60-01
17	SPARE
18	SPARE
19	SPARE
20	SPARE
21	SPARE
22	SPARE
23	SPARE
24	SPARE

- LEGEND:**
- LP - LIGHTNING PROTECTION
- KEY NOTES:**
- PROVIDE MEDIA CONVERTER CABINET AS SPECIFIED IN 28 23 13.
  - FURNISHED UNDER THE SCADA COMPUTER ALLOWANCE. REFER TO SPECIFICATION SECTION 26 09 01 FOR MORE INFORMATION.
  - ROUTE 1/2" LIQUID-TIGHT FLEXIBLE CONDUIT INSIDE POLE TO AVOID EXPOSED WIRING.
  - LOCATED AT ENTRANCE GATE.
  - CAT6 CABLE SHALL BE SUITABLE FOR DIRECT BURIAL AND BE SUBMERSION RATED.
  - CABLE SHALL BE ALPHA 1295, OR EQUAL.
  - COORDINATE WITH INTERNET SERVICE PROVIDED TO PROVIDE TWO STANDARD PHONE LINE PORTS ON INTERNET SERVICE MODEM.

**REVISIONS**

NO.	ISSUED FOR	DATE
1	ISSUED FOR BID	5/12/2022
2	CONFORMED DRAWING	12/1/2022
3	CHANGE ORDER NO. 1	3/7/2023

**ELECTRICAL SCADA RISER DIAGRAM**

WEST SEWAGE TREATMENT PLANT IMPROVEMENTS  
CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

**JOB NO.**  
3894.051

**PROJECT MGR.**  
DOMINIC GATTONE

**SHEET**  
231  
99-E6.03



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill, Illinois  
Contract 1-2022  
April 9, 2026

COST PROPOSAL NO.: 052

TO: Vissering Construction Company  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

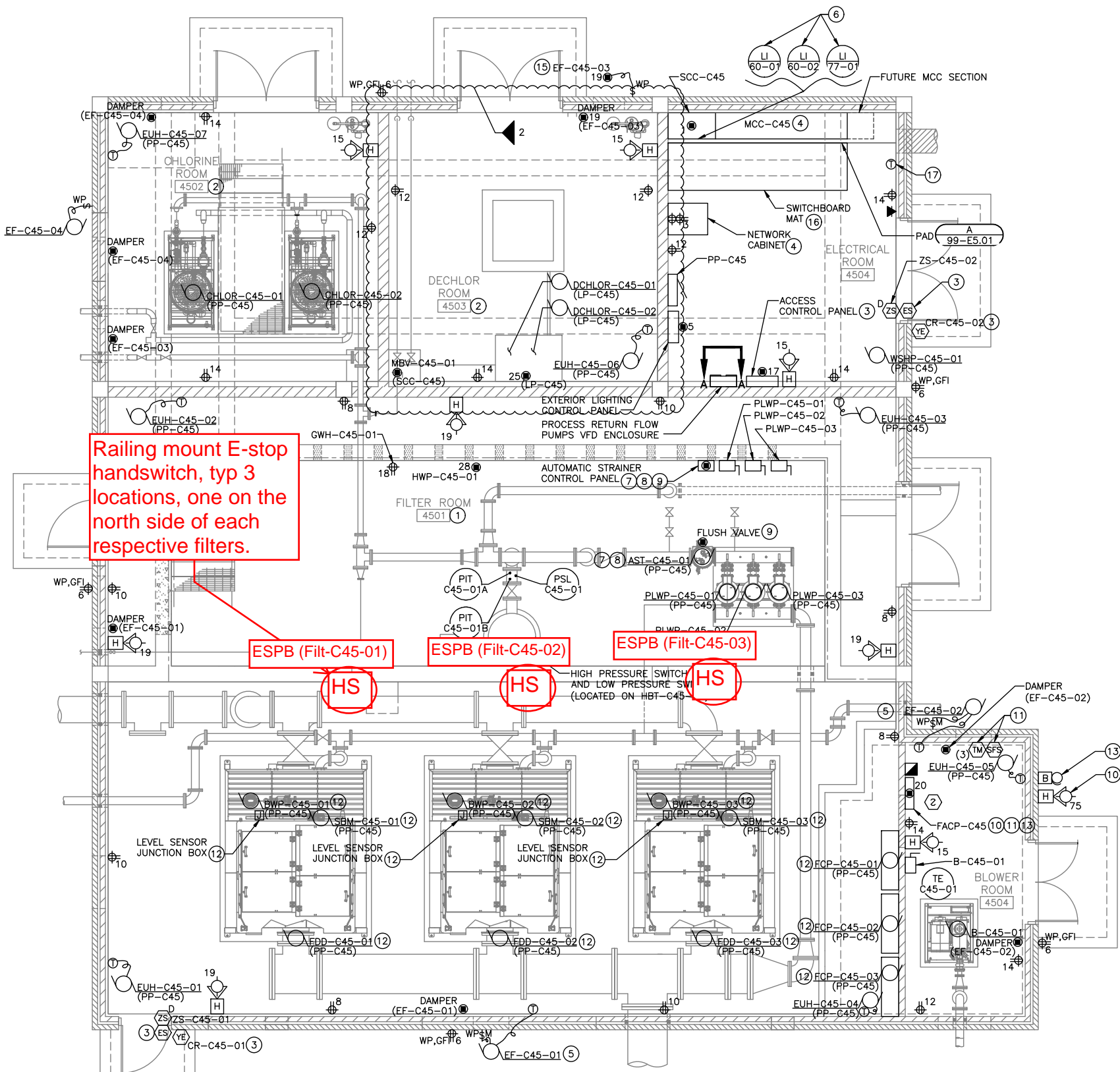
Tony Marzetta, Project Manager	Vissering Construction Company (Contractor)
Gary Richardson	City of Crest Hill, Illinois
Dominic Gattone, P.E.	Strand Associates, Inc.®

Please submit an itemized quotation for changes in the Contract Price and Time incidental to proposed modifications to the Contract Documents described herein. The purpose of this request is to add additional emergency stop push buttons nearer the tertiary filter equipment.

DESCRIPTIONS AFFECTING THE DRAWINGS

**Drawing C45-E1.01 - Tertiary Filter Building - Electrical Plan**

052-01 Provide emergency stop pushbutton in NEMA 4X control station enclosure by Tertiary Disc Filter manufacturer and 2~#14 in 3/4" conduit from each e-stop to the associated filter control panel. Pressing the e-stop shall stop backwash pump, filter drum drive, and spray bar oscillating motor of its respective filter. Provide panel modifications as required. See attached mark-up.



Railing mount E-stop handswitch, typ 3 locations, one on the north side of each respective filters.

ESPB (Filt-C45-01)

ESPB (Filt-C45-02)

ESPB (Filt-C45-03)

HS

HS

HS

ELECTRICAL PLAN

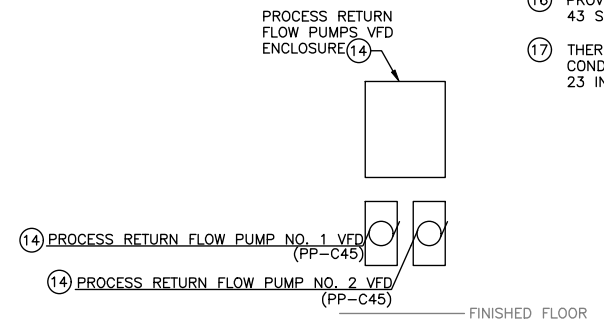


GENERAL NOTES:

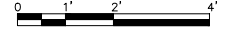
- REFER TO SPECIFICATION SECTION 01 11 00 FOR INFORMATION ON CONSTRUCTION SEQUENCING.
- REFER TO SPECIFICATION SECTION 26 09 90 FOR WIRING ASSOCIATED WITH THE SCADA SYSTEM.
- SEE DRAWING C45-ASM1.01 FOR LOCATIONS OF FIRE-RATED WALLS.
- DAMPERS NOT SHOWN WITH A CIRCUIT NUMBER SHALL BE POWERED FROM A CONTROL POWER TRANSFORMER IN THE ASSOCIATED MCC BUCKET.
- THERE SHALL BE A MINIMUM OF 4" BETWEEN VFDS AND VFD ENCLOSURES. VFDS SHALL BE A MINIMUM OF 1'-0" AFF.

KEY NOTES:

- ALL ELECTRICAL WORK AND EQUIPMENT IN THIS ROOM SHALL BE RATED NEMA 4X. CONDUIT SHALL BE ALUMINUM AND SUPPORT MEMBERS SHALL BE STAINLESS STEEL.
- ALL ELECTRICAL WORK AND EQUIPMENT IN THIS ROOM SHALL BE RATED NEMA 4X. CONDUIT SHALL BE PVC AND SUPPORT MEMBERS SHALL BE FRP.
- PROVIDE A FLUSH-MOUNTED BOX ON BUILDING EXTERIOR FOR CARD READER. PROVIDE 3/4" CONDUIT FROM BOX TO ACCESS CONTROL PANEL IN THE ELECTRICAL ROOM. PROVIDE 3/4" CONDUIT FROM BOX TO DOOR FRAME FOR ELECTRIC STRIKE. WIRING SHALL BE FURNISHED AND INSTALLED BY THE SECTION 28 10 00 SYSTEM SUPPLIER.
- BOND THE COMMUNICATION CABINET GROUND BAR TO THE GROUND BUS IN MCC-C45 WITH A #6 GROUND CONDUCTOR IN 3/4" PVC CONDUIT. MOUNT RECEPTACLES INSIDE THE COMMUNICATION CABINET.
- FAN SHALL BE CONTROLLED BY THE ROOM THERMOSTAT SUCH THAT THE FAN RUNS WHEN THE ROOM TEMPERATURE RISES ABOVE THE THERMOSTAT SETPOINT AND SHUTS DOWN WHEN THE TEMPERATURE FALLS BELOW THE THERMOSTAT SETPOINT.
- LEVEL INDICATORS SHALL BE FLUSH-MOUNTED ON THE DOOR OF THE SCC. REFER TO SPECIFICATION SECTION 26 09 00 PART 3 FOR ADDITIONAL INFORMATION.
- PROVIDE 2~#14 FROM CONTROL PANEL TO THE LOW PRESSURE SWITCH AND 2~#14 FROM CONTROL PANEL TO THE HIGH PRESSURE SWITCH IN 3/4" CONDUIT. SWITCHES ARE LOCATED AT THE AUTOMATIC STRAINER (AST-C45-01).
- PROVIDE 3~#12 AND #12 GROUND IN 3/4" CONDUIT FROM CONTROL PANEL TO SCREEN MOTOR DRIVE MOTOR NO. 1 AT THE AUTOMATIC STRAINER (AST-C45-01). PROVIDE 3~#12 AND #12 GROUND IN 3/4" CONDUIT FROM CONTROL PANEL TO SCREEN MOTOR DRIVE MOTOR NO. 2 AT THE AUTOMATIC STRAINER.
- PROVIDE 4~#14 FROM CONTROL PANEL TO THE FLUSH VALVE IN 3/4" CONDUIT.
- EXTERIOR ALARM STROBE SHALL BE POWERED THROUGH FACP SUCH THAT IT IS ONLY ACTIVATED WHEN SMOKE DETECTOR OR FIRE ALARM FLOW SWITCH IS ACTIVATED.
- FIRE ALARM FLOW SWITCH AND TAMPER SWITCHES PROVIDED BY DIVISION 21 AND WIRED TO FACP BY DIVISION 28. PROVIDE REQUIRED ADDRESSABLE CONTROL MODULES AND SUPERVISORY RELAYS TO MONITOR EACH DEVICE.
- PROVIDE CONDUCTORS/CONDUIT TO DEVICES AS SHOWN IN THE TERTIARY DISC FILTER SYSTEM CONDUIT AND WIRE SCHEDULE.
- FIRE SUPPRESSION SYSTEM ALARM BELL FURNISHED BY DIVISION 21 AND INSTALLED AND WIRED BY DIVISION 28. ALARM BELL SHALL BE POWERED FROM THE FACP.
- THERE SHALL BE A MINIMUM OF 6" BETWEEN THE TOP OF THE VFD AND THE BOTTOM OF THE VFD CONTROLS ENCLOSURE.
- FAN SHALL RUN CONTINUOUSLY.
- PROVIDE SWITCHBOARD MAT AS SPECIFIED IN SECTION 12 48 43 SPANNING ENTIRE FRONT OF MCC AND SCC.
- THERMOSTAT PROVIDED BY DIVISION 23. PROVIDE 3/4" CONDUIT FROM THERMOSTAT TO WSHP-C45-01 FOR DIVISION 23 INSTALLED WIRING.



SECTION A



CONDUIT DESIGNATION	ORIGIN	TERMINATION	CONDUIT SIZE	CONDUCTORS*
DRUM DRIVE MOTOR POWER	FCP-C45-01	FDD-C45-01	3/4"	3-#12
DRUM DRIVE MOTOR OVERTEMP	FCP-C45-01	FDD-C45-01	3/4"	2-#14
BACKWASH PUMP MOTOR POWER	FCP-C45-01	BWP-C45-01	3/4"	3-#10
BACKWASH PUMP MOTOR OVERTEMP	FCP-C45-01	BWP-C45-01	3/4"	2-#14
SPRAY BAR OSCILLATION DRIVE MOTOR POWER	FCP-C45-01	SBM-C45-01	3/4"	3-#12
DISC FILTER LEVEL SENSORS	FCP-C45-01	FILT-C45-01 LEVEL SENSOR JUNCTION BOX	3/4"	10-#14

\* PROVIDE GROUND WIRE FOR EACH PIECE OF EQUIPMENT SIZED PER THE NEC.  
 \*\*SCHEDULE TYPICAL FOR FCP-C45-01, FCP-C45-02, AND FCP-C45-03.

NO.	ISSUED FOR	DATE
1	ISSUED FOR BID	5/12/2022
2	CONFORMED DRAWINGS	12/1/2022
3	CHANGE ORDER NO. 1	X/7/2023

TERTIARY FILTER BUILDING ELECTRICAL PLAN

WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

JOB NO. 3894.051  
PROJECT MGR. DOMINIC GATTONE



SHEET 130 C45-E1.01



**PROPOSAL  
WORKSHEET SUMMARY**

Project: CITY OF CREST HILL - WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

Change Order Request #: 052

To: Strand Associates, Inc.  
Dominic Gattone, PE

Date: 4/20/2026  
A/E Project #: IDFPR No. 184-001273  
VCC Project #: 11108.00

WORK DESCRIPTION
CPR052: E Stop for Filters

Line No	Cost Description	Labor Amt	Material Amt	Equip & Other Amt	Sub-Contractor Amt	Sub-Total
1	CONNELLY ELECTRIC				\$ 6,645.00	\$ 6,645.00
2	WESTECH		\$ 4,025.00			\$ 4,025.00
3						\$ -
4						\$ -
5						\$ -
6						\$ -
7						\$ -
8						\$ -
9						\$ -
10						\$ -
11						\$ -
12						\$ -
13						\$ -
14						\$ -
15						\$ -
16						\$ -
17						\$ -
18						\$ -
19						\$ -
20						\$ -
21						\$ -
22						\$ -
23						\$ -
24						\$ -
25						\$ -
<b>Sub-Total</b>		\$ -	\$ 4,025.00	\$ -	\$ 6,645.00	\$ 10,670.00

**ACCEPTANCE OF PROPOSAL (OWNER): City of Crest Hill**

Name/Title: Gary Richardson, Public Works Director  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Contractor's Net:	\$ 4,025.00
Sub-Contractor's Net:	\$ 6,645.00
Net Subtotal:	\$ 10,670.00
Contractor's Fee: (15% on Own Work, 5% on Subs, & 0% on Credits):	\$ 936.00
Sub-Total:	\$ 11,606.00
Bonds & Insurance - 1%:	\$ 116.06
<b>Worksheet Total:</b>	<b>\$ 11,722.00</b>

**ACCEPTANCE OF PROPOSAL (A/E): Strand Associates, Inc.**

Name/Title: Dominic Gattone, PE  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**ACCEPTANCE OF PROPOSAL (CONTRACTOR): VISSERING CONSTRUCTION CO**

Name/Title: Tony Marzetta, Project Manager  
Signature: \_\_\_\_\_  
Date: April 20, 2026



Cost Proposal Request  
West Sewage Treatment Plant Improvements  
City of Crest Hill, Illinois  
Contract 1-2022  
April 9, 2026

COST PROPOSAL NO.: 052

TO: Vissering Construction Company  
ISSUED BY: Dominic Gattone, P.E.

DISTRIBUTION

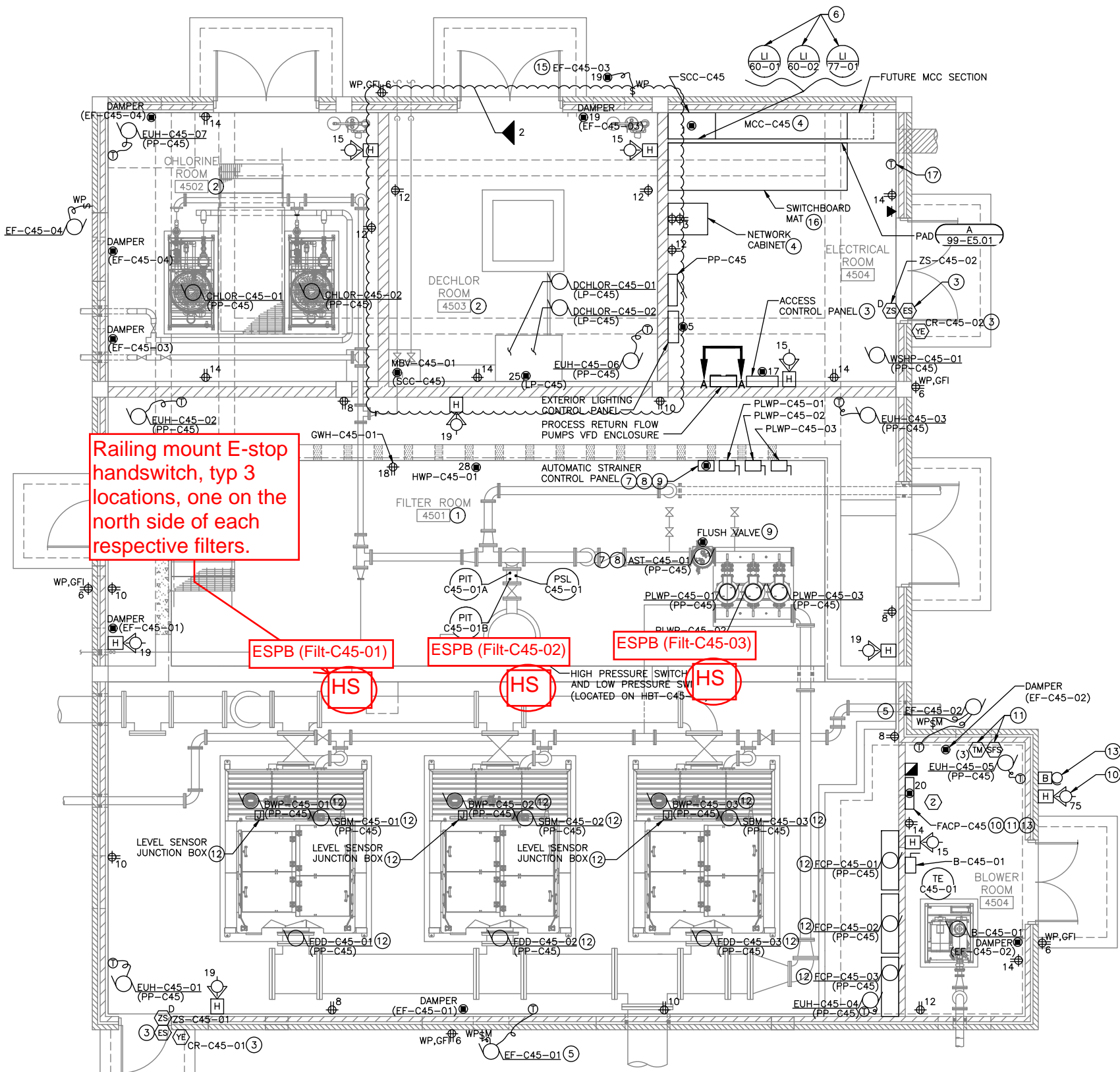
Tony Marzetta, Project Manager	Vissering Construction Company (Contractor)
Gary Richardson	City of Crest Hill, Illinois
Dominic Gattone, P.E.	Strand Associates, Inc.®

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ESPB (Filt-C45-01)

ESPB (Filt-C45-02)

ESPB (Filt-C45-03)

HS

HS

HS

ELECTRICAL PLAN

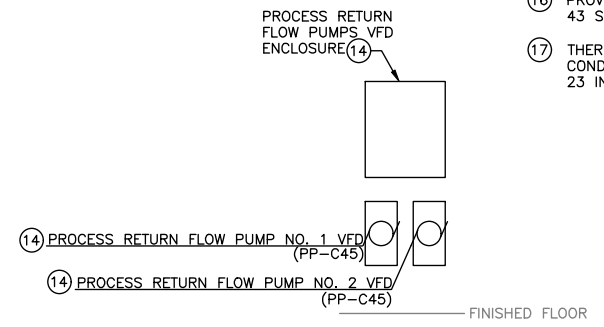


GENERAL NOTES:

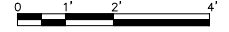
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- PROVIDE A FLUSH-MOUNTED BOX ON BUILDING EXTERIOR FOR CARD READER. PROVIDE 3/4" CONDUIT FROM BOX TO ACCESS CONTROL PANEL IN THE ELECTRICAL ROOM. PROVIDE 3/4" CONDUIT FROM BOX TO DOOR FRAME FOR ELECTRIC STRIKE. WIRING SHALL BE FURNISHED AND INSTALLED BY THE SECTION 28 10 00 SYSTEM SUPPLIER.
- BOND THE COMMUNICATION CABINET GROUND BAR TO THE GROUND BUS IN MCC-C45 WITH A #6 GROUND CONDUCTOR IN 3/4" PVC CONDUIT. MOUNT RECEPTACLES INSIDE THE COMMUNICATION CABINET.
- FAN SHALL BE CONTROLLED BY THE ROOM THERMOSTAT SUCH THAT THE FAN RUNS WHEN THE ROOM TEMPERATURE RISES ABOVE THE THERMOSTAT SETPOINT AND SHUTS DOWN WHEN THE TEMPERATURE FALLS BELOW THE THERMOSTAT SETPOINT.
- LEVEL INDICATORS SHALL BE FLUSH-MOUNTED ON THE DOOR OF THE SCC. REFER TO SPECIFICATION SECTION 26 09 00 PART 3 FOR ADDITIONAL INFORMATION.
- PROVIDE 2~#14 FROM CONTROL PANEL TO THE LOW PRESSURE SWITCH AND 2~#14 FROM CONTROL PANEL TO THE HIGH PRESSURE SWITCH IN 3/4" CONDUIT. SWITCHES ARE LOCATED AT THE AUTOMATIC STRAINER (AST-C45-01).
- PROVIDE 3~#12 AND #12 GROUND IN 3/4" CONDUIT FROM CONTROL PANEL TO SCREEN MOTOR DRIVE MOTOR NO. 1 AT THE AUTOMATIC STRAINER (AST-C45-01). PROVIDE 3~#12 AND #12 GROUND IN 3/4" CONDUIT FROM CONTROL PANEL TO SCREEN MOTOR DRIVE MOTOR NO. 2 AT THE AUTOMATIC STRAINER.
- PROVIDE 4~#14 FROM CONTROL PANEL TO THE FLUSH VALVE IN 3/4" CONDUIT.
- EXTERIOR ALARM STROBE SHALL BE POWERED THROUGH FACP SUCH THAT IT IS ONLY ACTIVATED WHEN SMOKE DETECTOR OR FIRE ALARM FLOW SWITCH IS ACTIVATED.
- FIRE ALARM FLOW SWITCH AND TAMPER SWITCHES PROVIDED BY DIVISION 21 AND WIRED TO FACP BY DIVISION 28. PROVIDE REQUIRED ADDRESSABLE CONTROL MODULES AND SUPERVISORY RELAYS TO MONITOR EACH DEVICE.
- PROVIDE CONDUCTORS/CONDUIT TO DEVICES AS SHOWN IN THE TERTIARY DISC FILTER SYSTEM CONDUIT AND WIRE SCHEDULE.
- FIRE SUPPRESSION SYSTEM ALARM BELL FURNISHED BY DIVISION 21 AND INSTALLED AND WIRED BY DIVISION 28. ALARM BELL SHALL BE POWERED FROM THE FACP.
- THERE SHALL BE A MINIMUM OF 6" BETWEEN THE TOP OF THE VFD AND THE BOTTOM OF THE VFD CONTROLS ENCLOSURE.
- FAN SHALL RUN CONTINUOUSLY.
- PROVIDE SWITCHBOARD MAT AS SPECIFIED IN SECTION 12 48 43 SPANNING ENTIRE FRONT OF MCC AND SCC.
- THERMOSTAT PROVIDED BY DIVISION 23. PROVIDE 3/4" CONDUIT FROM THERMOSTAT TO WSHP-C45-01 FOR DIVISION 23 INSTALLED WIRING.



SECTION A



CONDUIT DESIGNATION	ORIGIN	TERMINATION	CONDUIT SIZE	CONDUCTORS*
DRUM DRIVE MOTOR POWER	FCP-C45-01	FDD-C45-01	3/4"	3-#12
DRUM DRIVE MOTOR OVERTEMP	FCP-C45-01	FDD-C45-01	3/4"	2-#14
BACKWASH PUMP MOTOR POWER	FCP-C45-01	BWP-C45-01	3/4"	3-#10
BACKWASH PUMP MOTOR OVERTEMP	FCP-C45-01	BWP-C45-01	3/4"	2-#14
SPRAY BAR OSCILLATION DRIVE MOTOR POWER	FCP-C45-01	SBM-C45-01	3/4"	3-#12
DISC FILTER LEVEL SENSORS	FCP-C45-01	FILT-C45-01 LEVEL SENSOR JUNCTION BOX	3/4"	10-#14

\* PROVIDE GROUND WIRE FOR EACH PIECE OF EQUIPMENT SIZED PER THE NEC.  
 \*\*SCHEDULE TYPICAL FOR FCP-C45-01, FCP-C45-02, AND FCP-C45-03.

NO.	ISSUED FOR	DATE
1	ISSUED FOR BID	5/12/2022
2	CONFORMED DRAWINGS	12/1/2022
3	CHANGE ORDER NO. 1	X/X/2023

TERTIARY FILTER BUILDING ELECTRICAL PLAN

WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

CITY OF CREST HILL  
WILL COUNTY, ILLINOIS

JOB NO. 3894.051  
PROJECT MGR. DOMINIC GATTONE





40 S. Addison Rd.  
Addison, IL 60101

# CHANGE NOTICE

Connelly CCN # **031**  
 Field Ticket #  
 Date: 4/10/2026  
 Project Name: Crest Hill WWTP - West Sewage Treatment Plant  
 Project Number: 22-0686  
 Page Number: 1

**Client Address:**

**Vissering Construction**

1631 Gaylord Rd.  
Crest Hill, IL 60403  
Telephone: 815.673.5511  
Contact: Tony Marazetta

**Site Address:**

**Vissering Construction**

Contact: Tony Marazetta  
1631 Gaylord Rd.  
Crest Hill, IL 60403

---

### Work Description

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This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.  
 This price is good for acceptance within **10** days from the date of receipt.  
 We request a time extension of **4** days.  
 We will supply and install all materials, labor, and equipment as per your instructions on **Connelly CCN # 031**.

**Description:**

This CCN has been generated in response to the distribution of CPR052: E stop for filters dated 4/9/2026. This includes pricing on mounting these control stations as well as conduit/wire between them and the control panels. Also includes terminating the wiring within the Westech control panels.

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### Itemized Breakdown

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Description	Qty	Total Mat.	Total Hrs.
3/4" ARC (AL)	70	137.00	5.60
3/4" ARC MYERS HUB	6	41.50	6.60
3/4" ARC LB CONDULET	3	45.48	2.70
3/4" ARC 90 ELBOW	6	131.65	2.40
3/4" ARC STRAP	14	197.82	2.10
#14 XHHW	200	53.22	1.40
ALUMINUM MTG PLATE	3	300.30	3.00
CABLE TAG	1	0.75	0.16
Test	1	100.00	2.00
SS U-bolts	6	31.20	1.50
Mount E-Stop to Plate	3	0.00	3.00
Connect to Filter Panels	3	0.00	3.00
Connect to E-Stop	3	0.00	3.00
<b>Totals</b>	<b>319</b>	<b>1,038.93</b>	<b>36.46</b>

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### Summary

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**MATERIAL**

General Materials		1,038.93
<b>Material Total</b>		<b>1,038.93</b>
Foreman	(12.15 Hrs @ \$133.77)	1,625.31
Journeyman	(24.31 Hrs @ \$127.07)	3,089.07
<b>Subtotal</b>		<b>5,753.31</b>

Site Address:

## CHANGE NOTICE

**Vissering Construction**

1631 Gaylord Rd.  
Crest Hill, IL 60403

Connelly CCN # 031

Field Ticket #

Date: 4/10/2026

Project Name: Crest Hill WWTP - West Sewage Treatment Plant

Project Number: 22-0686

Page Number: 2

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**Summary (Cont'd)**

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Overhead	(@ 10.000 %)	575.33
Markup	(@ 5.000 %)	316.43

**Subtotal**

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**6,645.07**

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**Final Amount**

**\$6,645.07**

# Change Order Proposal

3665 South West Temple, Salt Lake City, UT 84115 Phone:  
801.265.1000

Job Name: Crest Hill West STP	Ref. PO/Contract: 11108.00-11500.00
WesTech Job No: 24851A	Cust. Job No: -
Customer: Vissering Construction Company	Revision No: COB.0
Customer Contact: Tony Marzetta	Date: 4/20/2026
WesTech Contact: Kib Huefner	Validity Period: 30 days
WesTech Email: khuefner@westechwater.com	

## SCOPE

Item	Description of Change and Statement of Reason	Net Price (USD)
A	E-Stop Station (Qty 3), NEMA 4X, SS  Includes additional programming for quick-stop buttons (currently directly wired to the VFDs and a digital input on the PLC). WesTech will send a rental Tosibox to make the programming changes remotely.	\$4,025.00
Payment Terms	See Terms of Original Contract	
Freight Terms	FSP-FFA - FOB Shipping Point - Full Freight to Jobsite (USA ONLY)	Included
Freight Terms	Crest Hill, IL	
	Taxes (sales, use, VAT, IVA, IGV, duties, import fees, etc.)	Not Included
<b>Total, Excluding Taxes If Applicable</b>		<b>\$4,025.00</b>

## TERMS

- (1) Unless specifically identified above or attached to the contrary, this Job Change Order does not impact Terms and Conditions for the Purchase of Goods and Services of the Existing Agreement.
- (2) Added equipment and the Tosibox for remote programming will ship approximately 1 - 2 weeks from order execution.
- (3) Please note that the Tosibox must be returned no more than 30 days after services are completed. If not returned, the customer will be charged the full cost of a replacement.
- (4) This order is subject to all specifications above as well as attachments included.

## AUTHORIZATION

Vissering Construction Company

WesTech Engineering, LLC.

Signed by: \_\_\_\_\_ Date \_\_\_\_\_

Signed by: \_\_\_\_\_ Date \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_





**PROPOSAL  
WORKSHEET SUMMARY**

Project: CITY OF CREST HILL - WEST SEWAGE TREATMENT PLANT IMPROVEMENTS

Change Order Request #: 054

To: Strand Associates, Inc.  
Dominic Gattone, PE

Date: 5/4/2026  
 A/E Project #: IDFPR No. 184-001273  
 VCC Project #: 11108.00

WORK DESCRIPTION
Re-Power Digester Building

Line No	Cost Description	Labor Amt	Material Amt	Equip & Other Amt	Sub-Contractor Amt	Sub-Total
1	Connelly Electric				\$ 16,698.00	\$ 16,698.00
2						\$ -
3						\$ -
4						\$ -
5						\$ -
6						\$ -
7						\$ -
8						\$ -
9						\$ -
10						\$ -
11						\$ -
12						\$ -
13						\$ -
14						\$ -
15						\$ -
16						\$ -
17						\$ -
18						\$ -
19						\$ -
20						\$ -
21						\$ -
22						\$ -
23						\$ -
24						\$ -
25						\$ -
<b>Sub-Total</b>		\$ -	\$ -	\$ -	\$ 16,698.00	\$ 16,698.00

**ACCEPTANCE OF PROPOSAL (OWNER): City of Crest Hill**

Name/Title: Gary Richardson, Public Works Director  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Contractor's Net:	\$ -
Sub-Contractor's Net:	\$ 16,698.00
Net Subtotal:	\$ 16,698.00
Contractor's Fee: (15% on Own Work, 5% on Subs, & 0% on Credits):	\$ 834.90
Sub-Total:	\$ 17,532.90
Bonds & Insurance - 1%:	\$ 175.33
<b>Worksheet Total:</b>	<b>\$ 17,708.00</b>

**ACCEPTANCE OF PROPOSAL (A/E): Strand Associates, Inc.**

Name/Title: Dominic Gattone, PE  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

**ACCEPTANCE OF PROPOSAL (CONTRACTOR): VISSERING CONSTRUCTION CO**

Name/Title: Tony Marzetta, Project Manager  
 Signature: \_\_\_\_\_  
 Date: May 4, 2026



40 S. Addison Rd.  
Addison, IL 60101

# CHANGE NOTICE

Connelly CCN # **033**  
 Field Ticket #  
 Date: 5/1/2026  
 Project Name: Crest Hill WWTP - West Sewage Treatment Plant  
 Project Number: 22-0686  
 Page Number: 1

**Client Address:**

**Vissering Construction**

1631 Gaylord Rd.  
Crest Hill, IL 60403  
Telephone: 815.673.5511  
Contact: Tony Marazetta

**Site Address:**

**Vissering Construction**

Contact: Tony Marazetta  
1631 Gaylord Rd.  
Crest Hill, IL 60403

---

**Work Description**

---

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.  
 This price is good for acceptance within **10** days from the date of receipt.  
 We request a time extension of **0** days.  
 We will supply and install all materials, labor, and equipment as per your instructions on **Connelly CCN # 033**.

**Description:**

This CCN was generated in response to the work completed on the following work order tickets to complete piping across existing Admin building from existing MCC to refeed MCC-2:

- WO#64619 dated 4/24/2026
- WO#64620 dated 4/27/2026
- WO#64621 dated 4/28/2026
- WO#64622 dated 4/29/2026
- WO#64623 dated 4/30/2026

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**Itemized Breakdown**

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Description	Qty	Total Mat.	Total Hrs.
1 1/2" EMT	150	657.01	10.50
1 1/2" EMT DC COMP CONN	6	14.80	2.70
1 1/2" EMT DC SS CPLG	20	37.11	2.00
1 1/2" EMT LB SET SCREW	3	153.27	3.30
1 1/2" EMT 90 ELBOW	2	23.99	0.80
1 1/2" EMT STRAP 1-H	5	33.75	0.21
1 1/2" EMT STRUT CLAMP	10	25.11	0.40
1 1/2" GRC (GALV)	150	1,764.84	13.50
1 1/2" GRC MYERS HUB	4	29.62	3.00
1 1/2" GRC LB CONDULET	1	30.67	1.50
1 1/2" GRC STRUT CLAMP	10	22.00	0.40
#6 THHN	310	380.81	3.41
#3 THHN	930	2,205.10	13.95
P-1000 1 5/8" STRUT	10	56.48	1.20
Eaton FRS-R-100 Fuse	2	240.00	0.80
10" x 10" x 6" NEMA 12 Box w/ Piano Hinge Cover	2	400.00	3.00
<b>Totals</b>	<b>1,615</b>	<b>6,074.58</b>	<b>60.67</b>

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**Summary**

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**MATERIAL**

Site Address:

## CHANGE NOTICE

**Vissering Construction**

1631 Gaylord Rd.  
Crest Hill, IL 60403

Connelly CCN # 033

Field Ticket #

Date: 5/1/2026

Project Name: Crest Hill WWTP - West Sewage Treatment Plant

Project Number: 22-0686

Page Number: 2

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### Summary (Cont'd)

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General Materials		6,074.58
<b>Material Total</b>		<b>6,074.58</b>
Foreman	(2.00 Hrs @ \$135.17)	270.34
Journeyman	(65.00 Hrs @ \$124.80)	8,112.00
<b>Subtotal</b>		<b>14,456.92</b>
Overhead	(@ 10.000 %)	1,445.69
Markup	(@ 5.000 %)	795.13
<b>Subtotal</b>		<b>16,697.74</b>
<b>Final Amount</b>		<b>\$16,697.74</b>



**CONNELLY**  
ELECTRIC

40 S. Addison Road  
Suite 100  
Addison, IL 60101

p 630.543.9059  
f 630.543.9077  
www.connelyelectric.com

**WORK ORDER**

Job Location: Crest Hill NWRC  
1601 Gaylord Rd. Crest Hill 60403

Bill to: Vissering

DATE OF WORK	JOB #	WORK ORDER #	SUPERVISING ELECTRICIAN	HOURS			OT HOURS		
				GF	FRMN	JW	GF	FRMN	JW
4/24/26	CCN#033	64619	Zane Roth		2	11			

Description: Piping across existing Admin building from existing MCC to refeed MCC-2

QUANTITY	MATERIAL DESCRIPTION
6	1 1/2" EMT Connectors
150'	1 1/2" EMT
2	1 1/2" LB Fitting
1	1 1/2" LR fitting
10	1 1/2" EMT Street Straps
5	1 1/2" EMT Minis
10'	1 3/8" Struts
2	1 1/2" Factory EMT 90
2	Eaton FRS-R-100 Fuses

**SUB CONTRACTOR WORK DESCRIPTION**

LIFT	
BOOM	
CORING	
EXCAV	
SUB	
CRANE	
OTHER	

N/A

Customer Vissering  
Signature [Signature]  
Date 4/27/2026

- Extra
- Change Order
- T & M



**CONNELLY**  
ELECTRIC

40 S. Addison Road  
Suite 100  
Addison, IL 60101

p 630.543.9059  
f 630.543.9077  
www.connelyelectric.com

**WORK ORDER**

Job Location: Crest Hill WWRC  
1601 Gaylord Rd Crest Hill 60403

Bill to: Vissering

DATE OF WORK	JOB #	WORK ORDER #	SUPERVISING ELECTRICIAN	HOURS			OT HOURS		
				GF	FRMN	JW	GF	FRMN	JW
4/27/26	CCN#033	64620	Zane Roth			14			

Description: Piping across Existing Admin building from existing MCC to Refuel MCC-2

QUANTITY	MATERIAL DESCRIPTION
<u>N/A</u>	

**SUB CONTRACTOR WORK DESCRIPTION**

LIFT	<u>N/A</u>
BOOM	
CORING	
EXCAV	
SUB	
CRANE	
OTHER	

Customer Vissering  
Signature [Signature]  
Date 4/27/2026  
White - Office Canary - Customer

- Extra
- Change Order
- T & M



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ELECTRIC

40 S. Addison Road  
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Addison, IL 60101

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**WORK ORDER**

Job Location: Crest Hill WWRC  
1601 Gaylord RD Crest Hill 60403

Bill to: Vissering

DATE OF WORK	JOB #	WORK ORDER #	SUPERVISING ELECTRICIAN	HOURS			OT HOURS		
				GF	FRMN	JW	GF	FRMN	JW
4/28/26	CCN#033	64621	Zane Roth			16			

Description: Piping across existing Admin building + outside of building  
From existing MCC to refeed MCC-2

QUANTITY	MATERIAL DESCRIPTION
100'	1 1/2" RMC
10	1 1/2" RMC strut straps
20	1 1/2" EMT Couplings
2	10" x 10" x 6" Nema 12 boxes w/ Piano hinge covers
4	1 1/2" Myers Hubs

**SUB CONTRACTOR WORK DESCRIPTION**

LIFT	N/A
BOOM	
CORING	
EXCAV	
SUB	
CRANE	
OTHER	

Customer Vissering  
Signature [Signature]  
Date 4/28/26  
White - Office Canary - Customer

- Extra
- Change Order
- T & M





**CONNELLY**  
ELECTRIC

40 S. Addison Road  
Suite 100  
Addison, IL 60101

p 630.543.9059  
f 630.543.9077  
www.connelyelectric.com

**WORK ORDER**

Job Location: 1601 Gaylord Rd  
Crest Hill IL 60403

Bill to: Vissering

Crest Hill UWRC

DATE OF WORK	JOB #	WORK ORDER #	SUPERVISING ELECTRICIAN	HOURS			OT HOURS		
				GF	FRMN	JW	GF	FRMN	JW
4/30/26	CCN#033	64623	Zane Roth			16			

Description: Piping across roadway to re-feed MCC-2  
Pull wire from MCC-1 to MCC-2  
terminate wire on both ends

QUANTITY	MATERIAL DESCRIPTION
360'	#3 THHN Brown
310'	#3 THHN Orange
310'	#3 THHN Yellow
310'	#6 THHN Green
50'	1 1/2" RMC

**SUB CONTRACTOR WORK DESCRIPTION**

LIFT	<u>N/A</u>
BOOM	
CORING	
EXCAV	
SUB	
CRANE	
OTHER	

Customer Vissering  
Signature [Signature]  
Date 4/30/2026

- Extra
- Change Order
- T & M