

# FACPAC Contract Change Order Supplemental Information Form (Ref# 57717)

Form Status: Saved

Tier 1 Project: Estill Springs Elementary Phase 2 Renovations & Addition - ESSER III  
BG Number: 22-207 District: Estill County (HB678)  
Status: Active Phase: Project Initiation (View Checklist)

Contract: Central Kentucky Sheet Metal, Inc, 0011, Plumbing/Mechanical  
Type: CM Bid Package Proposed

Change Order Number 11-2  
Time Extension Required No  
Date Of Change Order 3/24/2023  
Change Order Amount To Date Increase

## Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount	\$138,450.00
Net Approved COs	\$53,717.17
Remaining After Approved COs	\$84,732.83
Net All COs	\$270,033.25
Remaining After All COs	\$-131,583.25

This Requested Change Order Amount \$60,818.00

+/-

Change In A/E Fee This Change Order \$3,344.99

+/-

Change In CM Fee This Change Order \$1,216.36

+/-

Remaining Construction Contingency  
Balance

Contract Change Requested By Local Board of Education

Contract Change Reason Code Found Condition

Change Order Description And Justification

PR #11 - Remove replace existing sewerline in existing restroom to get sewer line to drain positively. Install duplex grinder pump outside this location to assist in draining positively.

Cost Benefit To Owner

Improved condition

Contract unit prices have been utilized No  
to support the cost associated with this

change order.

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor	\$34,700.00	57.06%
Materials	\$26,118.00	42.94%
Profit and Overhead		0.00%
Bond Insurance		0.00%
Cost Breakdown Total:	\$60,818.00	
Cost for this Change Order supported by an alternate bid or competitive price quote		
Explain Why		

Change Order Supplemental Information Form Signature  
Page (Online Form Ref# 57717)

*Peter G. Isen*

3/31/2023

Architect

Date

*K. Dan*

3/31/2023

Construction Manager

Date

Finance Officer

Date

Local Board of Education Designee

Date

# AIA<sup>®</sup> Document G701/CMa<sup>™</sup> – 1992

## Change Order - Construction Manager-Adviser Edition

OWNER ☒  
CONSTRUCTION MANAGER ☐  
ARCHITECT ☐  
CONTRACTOR ☐  
FIELD ☐  
OTHER ☐

**PROJECT** (Name and Address)  
ESTILL SPRINGS ELEMENTARY SCHOOL  
314 MAIN STREET  
IRVINE, KY 40336

**CHANGE ORDER NUMBER:** 11-02  
**INITIATION DATE:** 3/27/2023

**TO CONTRACTOR** (Name and Address)  
CENTRAL KENTUCKY SHEET METAL, INC

**PROJECT NUMBERS:** 000778  
**CONTRACT DATE:** 8/15/2022  
**CONTRACT FOR:** BID PACKAGE #11 PLUMBING/MECHANICAL

**THE CONTRACT IS CHANGED AS FOLLOWS:** PR #11 - Demo and replace portion of existing sewer line inside the existing building

The original Contract Sum was	429,800.00
Net change by previously authorized Change Orders	19,773.00
The Contract Sum prior to this Change Order was	449,573.00
The Contract Sum will be Increased by this Change Order in the amount of	60,818.00
The new Contract Sum including this Change Order will be	510,391.00

The Contract Time will be adjusted by 0 days.  
The date of Substantial Completion as of the date of this Change Order therefore is 6/2/2023.

**NOT VALID UNTIL SIGNED BY THE CONSTRUCTION MANAGER, ARCHITECT, CONTRACTOR AND OWNER.**

CODELL CONSTRUCTION COMPANY

ROSS-TARRANT ARCHITECTS INC.

**CONSTRUCTION MANAGER** (Firm Name)  
4475 ROCKWELL ROAD WINCHESTER, KY 40391

**ARCHITECT** (Firm Name)  
101 OLD LAFAYETTE AVE LEXINGTON, KY 40502

**ADDRESS**

**ADDRESS**

BY (Signature)

Kenny Davis

3/31/23

(Typed Name)

DATE:

BY (Signature)

Peter G Fisher

(Typed Name)

DATE: 3/29/23

CENTRAL KENTUCKY SHEET METAL, INC

ESTILL COUNTY BOARD OF EDUCATION

**CONTRACTOR** (Firm Name)

**OWNER** (Firm Name)

**ADDRESS**

**ADDRESS**

BY (Signature)

Paul Sipes

3/29/2023

(Typed Name)

DATE:

BY (Signature)

(Typed Name)

DATE:

AIA Document G701/CMa<sup>™</sup> – 1992. Copyright © 1992 by The American Institute of Architects. All rights reserved. **WARNING:** This AIA<sup>®</sup> Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA<sup>®</sup> Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.

User Notes:

(1884033357)



# Change Order Review Form

## PROPOSAL REQUEST

### PR #11

Estill Springs Elementary School (000778)

314 Main Street  
Irvine, KY 40336

**PR # 11 Underslab Sewer Repairs @ Restroom**

**Date: 2/23/2023**

**To: ROSS-TARRANT ARCHITECTS INC.**

**From: casey cullen**

**Attn:**

**CC: Kenny Davis**

I have reviewed and approved the attachment pricing. Your approval and signature is required in order to process this change order. Please review the pricing and sign below it is acceptable.

Description	BP	Amount
BABCON, INC.	012	7,107.50
BASTIN PAINTING, INC.	006	0.00
BROWN SPRINKLER CORPORATION	010	0.00
CDI FLOORING	007	0.00
CENTRAL KENTUCKY SHEET METAL, INC	011	60,818.00
EAST KENTUCKY MASONRY	003	2,101.14
ELLIOTT CONTRACTING, INC.	005	0.00
RISING SUN DEVELOPING, INC.	002	3,114.66
SOUTHEASTERN STAFFING, LLC	004	0.00
STANDAFAER BUILDERS, INC.	001	0.00

**Summary**

**Total**

Total Days 0.00

73,141.30

ROSS-TARRANT ARCHITECTS INC.

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
**DATE:**

Codell Construction Company  
**casey cullen**  
314 Main Street  
Irvine, KY 40336  
ccullen@codellconstruction.com



# Change Order Proposal Transmittal

RossTarrant Architects | 101 Old Lafayette Ave Lexington KY 40502 United States

PROJECT: Estill Springs ES Phase 2 Ren-Add 2148 DATE SENT: 3/22/2023

SUBJECT: COP for PR11 Underslab Sewer Repairs @ Restrooms CHANGE ORDER PROPOSAL ID: COP for PR 11

TYPE: Change Order Proposal TRANSMITTAL ID: 00467

PURPOSE: Reviewed VIA: Info Exchange

TOTAL AMOUNT: \$73,141.30

TOTAL DAYS: 0

---

## FROM

NAME	COMPANY	EMAIL	PHONE
Jonathan Ruiz	RossTarrant Architects	jruiz@rosstarrant.com	859-254-4018

## TO

NAME	COMPANY	EMAIL	PHONE
Casey Cullen		ccullen@codellconstruction.com	

REMARKS: The design team has reviewed the proposed pricing and find it acceptable to recommend to the Owner.

## DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	3/8/2023	- PR # 11 Underslab Sewer Repairs @ Restroom Pricing (1).pdf				

---

## COPIES:

Kenny Davis (Codell Construction Company)  
Peter Fisher (RossTarrant Architects)



# Proposal Request Transmittal

RossTarrant Architects | 101 Old Lafayette Ave Lexington KY 40502 United States

PROJECT: Estill Springs ES Phase 2 Ren/Add 2148      DATE SENT: 2/22/2023

SUBJECT: PR 11- Underslab Sanitary Sewer Repairs @ Restrooms      PROPOSAL REQUEST ID: PR 11

TYPE: Proposal Request      TRANSMITTAL ID: 00425

PURPOSE: For Contractor's Pricing      VIA: Info Exchange

---

FROM

NAME	COMPANY	EMAIL	PHONE
Jonathan Ruiz	RossTarrant Architects	jruiz@rosstarrant.com	859-254-4018

TO

NAME	COMPANY	EMAIL	PHONE
Casey Cullen		ccullen@codellconstruction.com	

REMARKS: Context: We start with the line replacement – it should get us the invert of the main in the corridor to make absolute sure we need a pump.

Contractor to provide a detailed pricing breakdown for time and material costs associated with the following:

1. Sawcut/excavate existing sanitary line downstream of new addition's connection point, through the interior restroom, and to its connection to the main in the corridor. Replace existing line in restroom to main in corridor, providing proper slope, backfill, and patch slab. Provide invert elevation of main in corridor at the connection point.
2. Provide pricing to provide and install duplex grinder pump with exterior basin and control panel installed outside the building in the sanitary line downstream of the connection of the two new classrooms. See attached selection: Zoeller Shark Series – Pump Model 840 with 45 GPM at 10' of head. Duplex control panel with NEMA 4X enclosure, audible and visual high water alarms, starting, control, and alarm circuits, circuit breaker and rated motor contactor, alternating circuit, high water alarm light with flasher, HOA switches and pilot lights. 36"W x 60"D Fiberglass outdoor basin with anti-flotation ring, rail disconnect system, inlet and discharge pipe seals, float tree with floats. Route electrical circuit from existing panel in kitchen – field verify panel location and circuit space. Pipe discharge under existing restroom to main in corridor separate from line serving the restroom fixtures. (See attached)

This is not a change order nor a direction to proceed with the work described herein.

# Proposal Request Transmittal

DATE: 2/22/2023

ID: 00425

## DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	2/22/2023	Grinder Pump - Reviewed.pdf				

---

## COPIES:

Kenny Davis  
Peter Fisher  
Shauna Wietzki

(Codell Construction Company)  
(RossTarrant Architects)  
(RossTarrant Architects)



# Estill Springs Elementary PROPOSAL REQUEST PRICING SHEET

PCO # 11

DATE 3/24/2023

DESCRIPTION Sawcut and replace sewer line in bathroom, remove and replace fixtures, install

Pump per PR #11

CONTRACTOR Central Ky. Sheetmetal

BID PACKAGE

WORK DESCRIPTION Sawcut and replace sewer line in bathroom, remove and replace fixtures, install

Pump per PR #11

## A. UNIT PRICING FROM THE PROPOSAL FORM

1. UNIT PRICING	<u>          </u> QTY.	<u>          </u> U.P.	<u>          </u> TOTAL COST
	<u>          </u> QTY.	<u>          </u> U.P.	<u>          </u> TOTAL COST
	<u>          </u> QTY.	<u>          </u> U.P.	<u>          </u> TOTAL COST

## B. MATERIAL

1. <u>                                  </u>	ITEM	<u>          </u> QTY.	<u>          </u> UNIT	<u>          </u>
2. <u>pipe and fittings</u>	ITEM	<u>1 lot</u> QTY.	<u>6018</u> UNIT	<u>\$6,018.00</u>
3. <u>gravel</u>	ITEM	<u>1 lot</u> QTY.	<u>1800</u> UNIT	<u>\$1,800.00</u>
4. <u>sewage pump</u>	ITEM	<u>1</u> QTY.	<u>18300</u> UNIT	<u>\$18,300.00</u>
5. <u>                                  </u>	ITEM	<u>          </u> QTY.	<u>          </u> UNIT	<u>          </u>
6. <u>                                  </u>	ITEM	<u>          </u> QTY.	<u>          </u> UNIT	<u>          </u>
<b>MATERIAL Savings TOTAL</b>				<u>\$26,118</u>

## LABOR

1. <u>new plumbing</u>	140	HOURS @	<u>75</u>	\$/HR	<u>\$10,500.00</u>
2. <u>saw cut and demo</u>	120	HOURS @	<u>75</u>	\$/HR	<u>\$9,000</u>
3. <u>excavation &amp; backfill</u>	120	HOURS @	<u>75</u>	\$/HR	<u>\$9,000</u>
4. <u>Remove,Replace fixture</u>	40	HOURS @	<u>75</u>	\$/HR	<u>\$3,000</u>
<b>LABOR TOTAL</b>					<u>\$31,500.00</u>
<u>Excavator , Skidsteer and dump truck</u>					<u>\$3,200.00</u>

MATERIAL, LABOR & EQUIPMENT SUBTOTAL \$60,818

TOTAL -ADD \$60,818

Deduct - \$19,990.00 if Sewage Pump if not needed  
No Concrete , No demo or installation of walls  
No Electric or Controls

Trusted. Tested. Tough.®

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: 2.25.070

FM2799

0622

Supersedes

0721

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347  
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961  
TEL: (502) 778-2731 • 1 (800) 928-PUMP • FAX: (502) 774-3624

Visit our website:  
zoellerpumps.com



## TECHNICAL DATA SHEET

**MODEL 840/841/842**

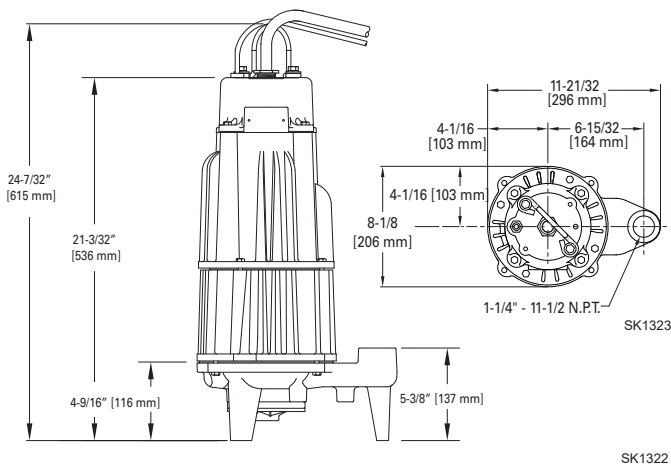
DUAL SEAL GRINDER PUMPS

*Pump Systems And Controls*

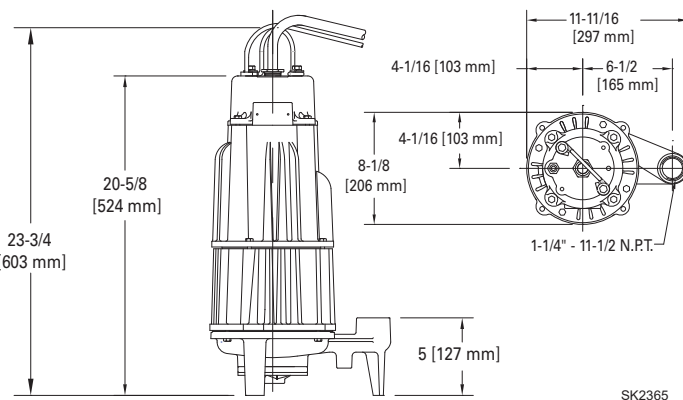
### PRODUCT SPECIFICATIONS

<b>MOTOR</b>	Horse Power	2
	Voltage	200 - 575
	Phase	1 or 3 Ph
	Hertz	60 Hz
	RPM	3450
	Type	Capacitor start / capacitor run or 3 Ph
	Insulation	Class F
	Amps	4.5 - 20.0
<b>PUMP</b>	Operation	Nonautomatic
	Discharge Size	1-1/4" NPT vertical or horizontal
	Cord Length	20' (6 m) standard
	Cord Type	SOW or SOOW, multi-wire neoprene
	Max. Head	125' (38.1 m)
	Max. Flow Rate	59 GPM (223 LPM)
	Max. Operating Temp.	130 °F (54 °C)
	Cooling	Oil filled
<b>MATERIALS</b>	Motor Protection	Auto reset thermal overload (1 Ph), thermal sensor (3 Ph) Moisture Sensors
	Cap	Cast iron
	Motor Housing	Cast iron
	Adapter	Cast iron
	Pump Housing	Cast iron
	Upper Bearing	Ball bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Carbon/ceramic
	Impeller Type	Non-clogging vortex
	Impeller	Ductile iron
	Hardware	Stainless steel 304
	Motor Shaft	Stainless steel 416
	Square Rings	Neoprene
	Cutter	Hardened stainless steel, Rockwell C55-60

### Model 840 (Reversing Grinder Pump)



### Models 841/842 Vertical Discharge



Tested to Standard UL778 and  
Certified to CSA  
Standard C22.2 No. 108



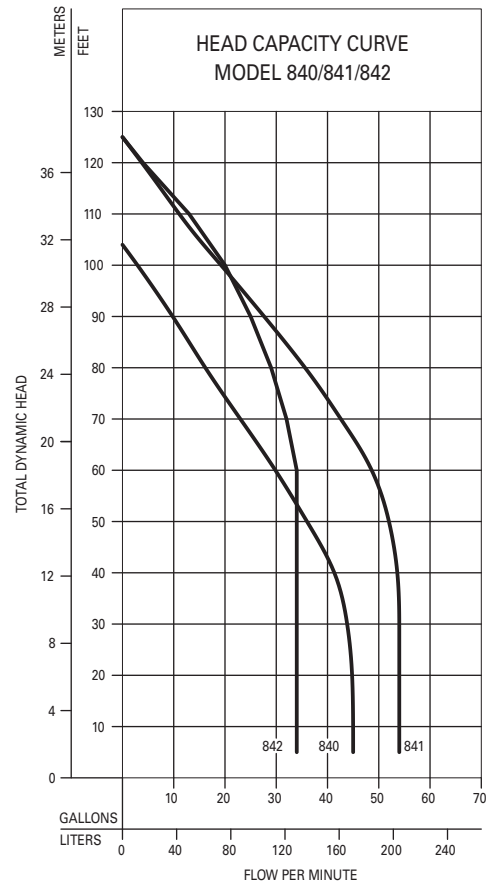
© Copyright 2022 Zoeller® Co. All rights reserved.

502-778-2731 | 800-928-7867 | 3649 Cane Run Road | Louisville, KY 40211-1961 | zoellerpumps.com

## TOTAL DYNAMIC HEAD FLOW PER MINUTE

MODEL		840		841		842	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	45	170	54	204	34	129
10	3.0	45	170	54	204	34	129
20	6.1	45	170	54	204	34	129
30	9.1	44	167	54	204	34	129
40	12.2	42	159	54	204	34	129
50	15.2	36	136	52	197	34	129
60	18.3	30	114	49	185	34	129
70	21.3	23	87	43	163	32	121
80	24.4	16	61	36	136	29	110
90	27.4	10	38	28	106	25	95
100	30.5	3	11	19	72	20	76
110	33.5	--	--	11	42	13	49
120	36.6	--	--	4	15	4	15
Shut-off Head:		104 ft (31.7 m)		125 ft (38.1 m)		125 ft (38.1 m)	

016532



ELECTRICAL DATA AND CONTROL PANEL SELECTION GUIDE					
A) Models	Weight	Volts / Phase	Amps	B) NEMA 4X Control Panels	
<b>840 REVERSING GRINDER</b>				<b>SIMPLEX</b>	<b>DUPLEX</b>
E840*	137 lbs (62.1 Kg)	230 / 1	17.2	10-0420	10-0512
I840*	137 lbs (62.1 Kg)	200 / 1	20.0	10-0420	10-0512
F840	132 lbs (59.8 Kg)	230 / 3	10.8	10-0634	10-0443
J840	132 lbs (59.8 Kg)	200 / 3	12.3	10-0634	10-0443
G840	132 lbs (59.8 Kg)	460 / 3	5.5	10-0599	10-0511
BA840	132 lbs (59.8 Kg)	575 / 3	4.5	Consult Factory	Consult Factory
<b>841 SINGLE DIRECTION GRINDER</b>				<b>SIMPLEX</b>	<b>DUPLEX</b>
E841*	137 lbs (62.1 Kg)	230 / 1	17.2	10-1650	10-1652
I841*	137 lbs (62.1 Kg)	200 / 1	20.0	10-1650	10-1652
F841	132 lbs (59.8 Kg)	230 / 3	10.8	10-1097	10-1125
J841	132 lbs (59.8 Kg)	200 / 3	12.3	10-1097	10-1125
G841	132 lbs (59.8 Kg)	460 / 3	5.5	10-1094	10-1122
BA841	132 lbs (59.8 Kg)	575 / 3	4.5	10-1146	10-1168
<b>842 SINGLE DIRECTION GRINDER</b>				<b>SIMPLEX</b>	<b>DUPLEX</b>
E842*	137 lbs (62.1 Kg)	230 / 1	17.2	10-1650	10-1652
I842*	137 lbs (62.1 Kg)	200 / 1	20.0	10-1650	10-1652
F842	132 lbs (59.8 Kg)	230 / 3	10.8	10-1097	10-1125
J842	132 lbs (59.8 Kg)	200 / 3	12.3	10-1097	10-1125
G842	132 lbs (59.8 Kg)	460 / 3	5.5	10-1094	10-1122
BA842	132 lbs (59.8 Kg)	575 / 3	4.5	10-1146	10-1168

### B) CONTROL PANEL STANDARD FEATURES:

- NEMA 4X outdoor rating
- Automatic reversing circuit (840 model only)
- Audible and visual high water alarm
- Starting, control, and alarm circuits
- Thermal cut-out circuit (3 Ph only)
- Circuit breaker and rated motor contactor (1 Ph)
- Capacitors and motor starting relay on (1 PH)
- Motor protective switch (circuit breaker / phase adjustable overloads) and rated motor contactor (3 Ph)
- Alternating circuit (duplex)
- High water alarm light
- Internal seal leak light
- HOA switches and pilot light(s)
- Terminal strips
- Padlock hasp

### OPTIONS:

- ☐ Flasher for high water alarm light
- ☐ Manual reset of high water alarm
- ☐ Intrinsically-safe relays
- ☐ Elapsed time meters
- ☐ Dry auxiliary contact
- ☐ For other options, consult factory

\* Single phase units require a set of capacitors and relay starting components, included in panel



All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

© Copyright 2022 Zoeller® Co. All rights reserved.

502-778-2731 | 800-928-7867 | 3649 Cane Run Road | Louisville, KY 40211-1961 | zoellerpumps.com

**C) VARIABLE LEVEL FLOAT SWITCHES****INDOOR SYSTEM**

- 3 Switches and weights  
☐ P/N 10-0347 WGT. 9.5 lb (4.3 kg)  
 4 Switches and weights  
☐ P/N 10-0348 WGT. 13 lb (5.9 kg)

**OUTDOOR SYSTEM**

- Switches with pipe clamps, 3 required  
☐ P/N 10-0744 20' WGT. 2 lb ( kg)  
☐ P/N 10-1878 35' WGT. 3 lb ( kg)  
☐ P/N 10-1879 50' WGT. 4.0 lb ( kg)

**D) JUNCTION BOXES - TYPE 4X****SIMPLEX**

- 5 holes with seals for (1) power cord,  
 (1) sensor cord, (3) float switch cords.  
☐ P/N 10-0331 WGT. 2.5 lb (1.1 kg) 3-float system  
☐ P/N 10-4508 Simplex J-box

**DUPLEX**

- 8 holes with seals for (2) power cords,  
 (2) sensor cords, (3 or 4) float switch cords.  
☐ P/N 10-0332 WGT. 2.5 lb (1.1 kg) 3-float system  
☐ P/N 10-0421 WGT. 2.5 lb (1.1 kg) 4-float system  
☐ P/N 10-4509 Duplex J-box

**STARTER KITS\***

P/N	Pump Model	Type
10-0380	840, 841 & 842	Shipped Loose
013736	840, 841 & 843	Bracket Mounted
*Starter kits needed if using existing panels and single phase (E or I model) grinder pumps		

**SIMPLEX REVERSING CONTROL BOXES\***

AUTOMATIC			MANUAL		
MODEL	P/N	WGT.	P/N	WGT.	
E840	<input type="checkbox"/> 10-0352	8 lb (3.6 kg)	<input type="checkbox"/> 10-0360	7 lb (3.2 kg)	
I840	<input type="checkbox"/> 10-0352	8 lb (3.6 kg)	<input type="checkbox"/> 10-0360	7 lb (3.2 kg)	
F840	<input type="checkbox"/> 10-0353	6 lb (2.7 kg)	<input type="checkbox"/> 10-0361	5 lb (2.3 kg)	
J840	<input type="checkbox"/> 10-0353	6 lb (2.7 kg)	<input type="checkbox"/> 10-0361	5 lb (2.3 kg)	
G840	<input type="checkbox"/> 10-0353	12 lb (5.4 kg)	<input type="checkbox"/>	Not available	

\* These control boxes consist of the reversing mechanisms and capacitors (1Ph units) only. They will not control pumps. Refer to Section B for complete system controls. For duplex applications use two simplex reversing control boxes.

**F) OUTDOOR BASIN, COVER, AND RAIL SYSTEM  
BASIN - STANDARD EQUIPMENT**

- Fiberglass basin with anti-flotation ring
- 1.25" X 2" Z-Rail® disconnect system w/ 3/4" galvanized rail pipes
- 2" SCH. 80 PVC discharge pipe from disconnect
- 2" Flex boot discharge fitting
- Stainless steel lifting cable
- 2" PVC ball valve(s)
- 2" cast iron check valve(s)
- (1)-4" rubber inlet pipe seal (field-installed)
- Float tree
- Blank fiberglass cover with Zoeller imprint

**SIMPLEX**

<input type="checkbox"/> 24" x 48" (61 x 122 cm)	P/N 33-2054	WGT. 180 lb (93.4 kg)15"
<input type="checkbox"/> 24" x 60" (61 x 152 cm)	P/N 33-2057	WGT. 187 lb (99.3 kg)24"
<input type="checkbox"/> 24" x 72" (61 x 183 cm)	P/N 33-2060	WGT. 192 lb (105.7 kg)30"
<input type="checkbox"/> 24" x 84" (61 x 213 cm)	P/N 33-2063	WGT. 213 lb (119.7 kg)36"
<input type="checkbox"/> 24" x 96" (61 x 244 cm)	P/N 33-2069	WGT. 230 lb (125.6 kg)36"
<input type="checkbox"/> 24" x 108" (61 x 244 cm)	P/N 33-2075	WGT. 248 lb (125.6 kg)48"
<input type="checkbox"/> 24" x 120" (61 x 244 cm)	P/N 33-2078	WGT. 260 lb (125.6 kg)48"

**DUPLEX**

<input type="checkbox"/> 36" x 48" (91 x 122 cm)	P/N 33-2108	WGT. 258 lb (166.5 kg)19"
<input type="checkbox"/> 36" x 60" (91 x 152 cm)	P/N 33-2111	WGT. 272 lb (176.4 kg)24"
<input type="checkbox"/> 36" x 72" (91 x 183 cm)	P/N 33-2114	WGT. 285 lb (214.1 kg)30"
<input type="checkbox"/> 36" x 84" (91 x 213 cm)	P/N 33-2117	WGT. 304 lb (226.3 kg)36"
<input type="checkbox"/> 36" x 96" (91 x 244 cm)	P/N 33-2123	WGT. 332 lb (238.1 kg)36"
<input type="checkbox"/> 36" x 108" (91 x 244 cm)	P/N 33-2129	WGT. 359 lb (163 kg)48"
<input type="checkbox"/> 36" x 120" (91 x 244 cm)	P/N 33-2132	WGT. 379 lb (172 kg)48"

Note: 30" diameter simplex and 48" diameter duplex system also available

**E) INDOOR BASIN, COVER, AND HARDWARE  
PREPACKAGED STANDARD EQUIPMENT**

- Fiberglass basin
- Rust-resistant steel cover (epoxy coated only)
- Inspection plate
- Individual pump covers
- 3" adaptaflex vent seal
- 1-1/4" adaptaflex discharge pipe seal(s)
- Cord seal(s)
- 1-4" rubber inlet pipe seal (field-installed)
- Pump support hardware
- 1-1/4" check valve(s)
- Ball valve(s)

**SIMPLEX**

- ☐ 24" x 36" (61 x 91 cm) P/N 32-0005 WGT. 107 lb (48.5 kg)

**DUPLEX**

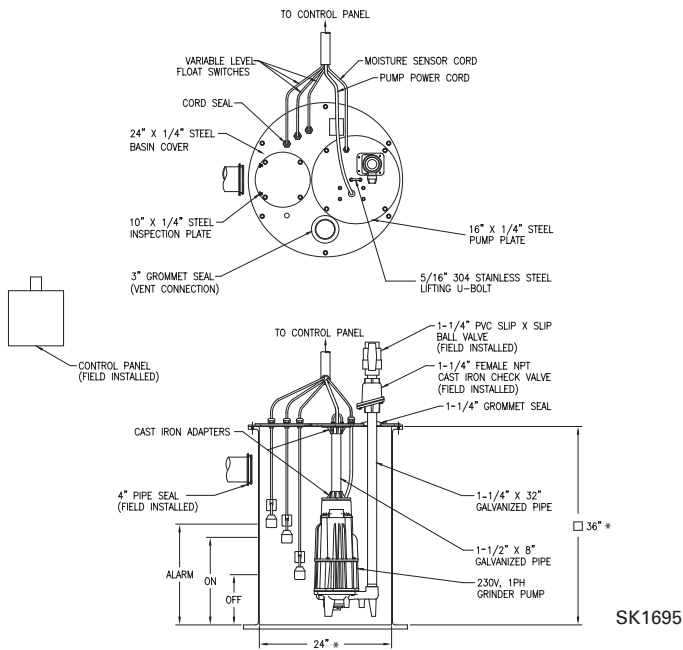
- ☐ 30" x 36" (76 x 91 cm) P/N 32-0006 WGT. 154 lb (69.9 kg) 3-float system  
☐ 30" x 36" (76 x 91 cm) P/N 32-0007 WGT. 154 lb (69.9 kg) 4-float system

**G) STAINLESS STEEL LIFTING CABLE  
(Field-Installed Systems)**

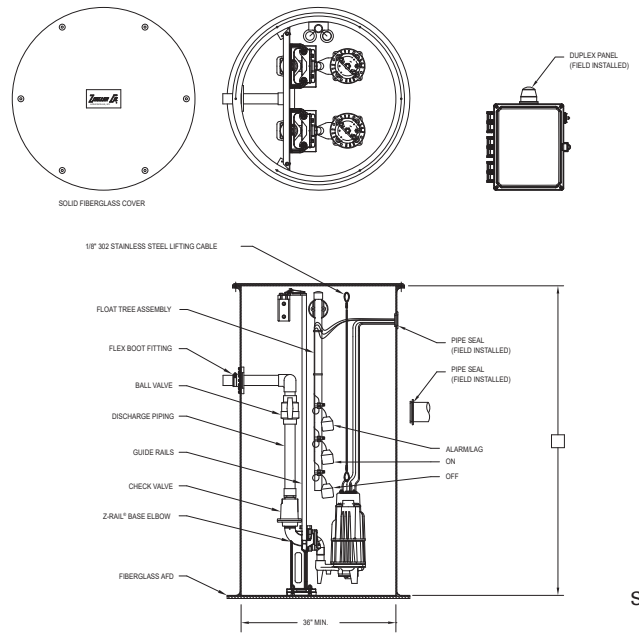
- 8' (2.4 m)  
☐ P/N 39-0031 WGT. 1 lb (0.5 kg)  
 12' (3.7 m)  
☐ P/N 39-0032 WGT. 1 lb (0.5 kg)  
 16' (4.9 m)  
☐ P/N 39-0033 WGT. 1 lb (0.5 kg)

## PREPACKAGED AND JOB READY SYSTEMS CHECKLIST

INDOOR			
SIMPLEX		DUPLEX	
REQ.	REQ.	REQ.	REQ.
1 grinder pump	P/N _____ (A)	2 grinders pumps	P/N _____ (A)
1 simplex control panel	P/N _____ (B)	1 duplex control panel	P/N _____ (B)
1 float switch asm.	P/N _____ (C)	1 float switch asm.	P/N _____ (C)
1 basin, cover and hardware	P/N _____ (E)	1 basin, cover and hardware	P/N _____ (E)
OUTDOOR			
SIMPLEX		DUPLEX	
REQ.	REQ.	REQ.	REQ.
1 grinder pump	P/N _____ (A)	2 grinders pumps	P/N _____ (A)
1 simplex control panel	P/N _____ (B)	1 duplex control panel	P/N _____ (B)
3 float switches	P/N _____ (C)	3 or 4 float switches	P/N _____ (C)
1 j-box (optional)	P/N _____ (D)	1 j-box (optional)	P/N _____ (D)
1 basin, cover and hardware	P/N _____ (F)	1 basin, cover and hardware	P/N _____ (F)



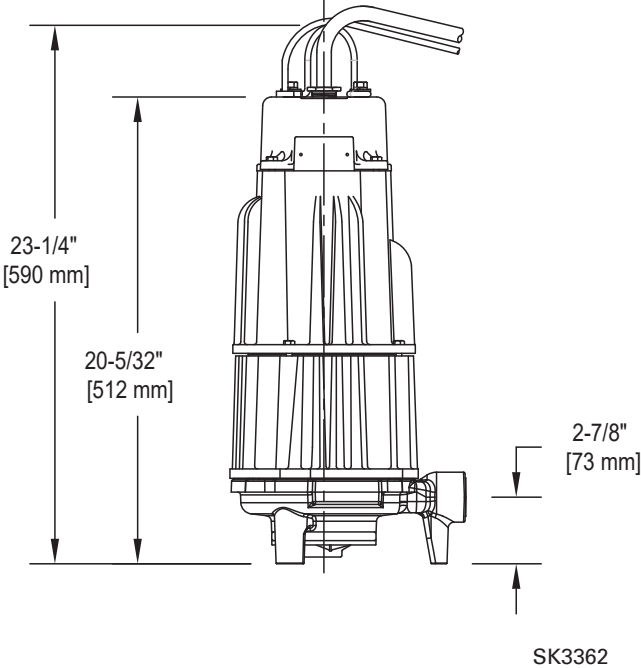
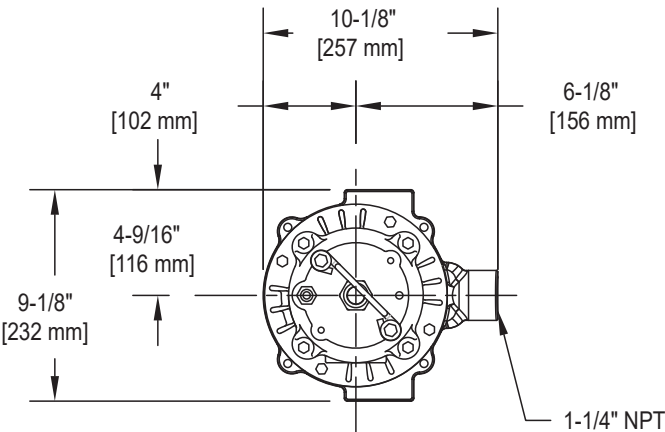
SK1695



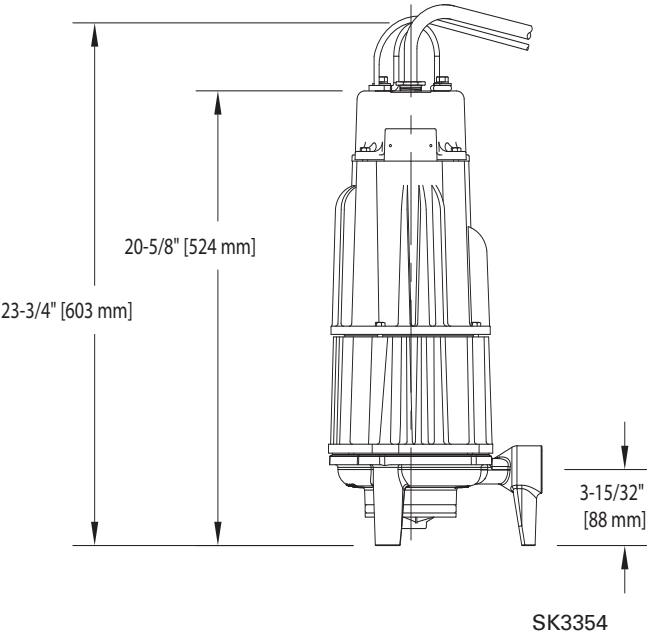
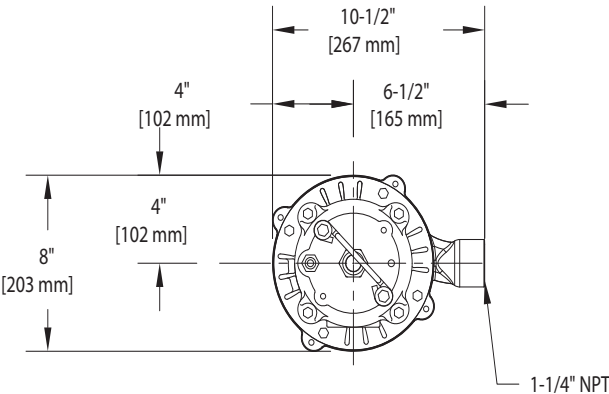
SK3111

840/841/842 Horizontal Discharge Dimensional Data

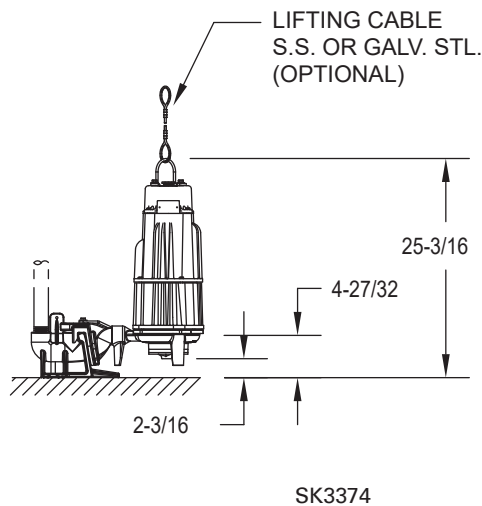
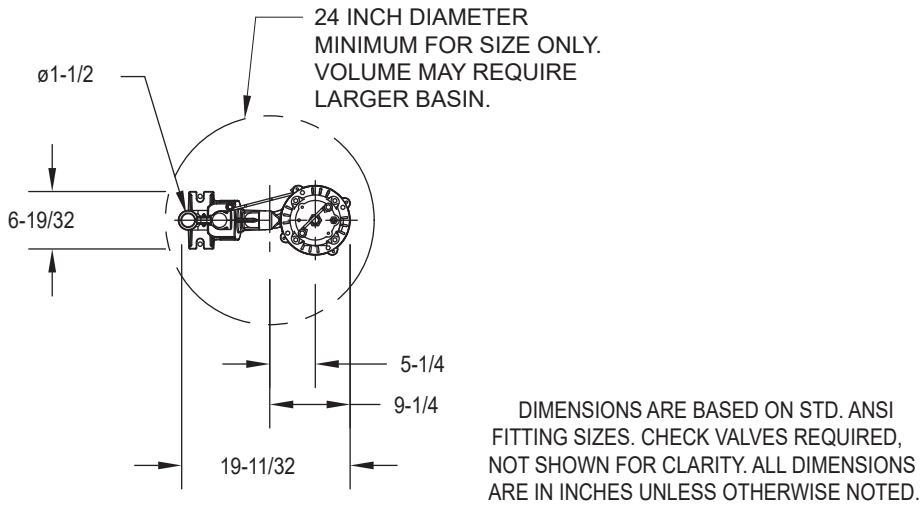
840



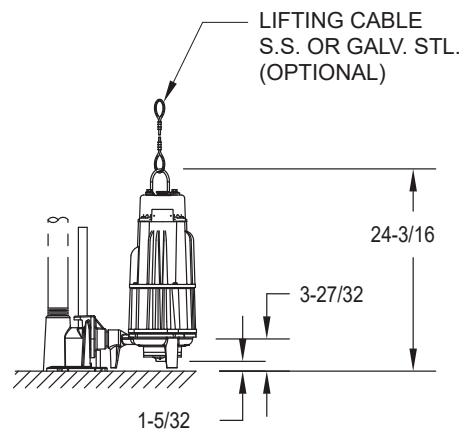
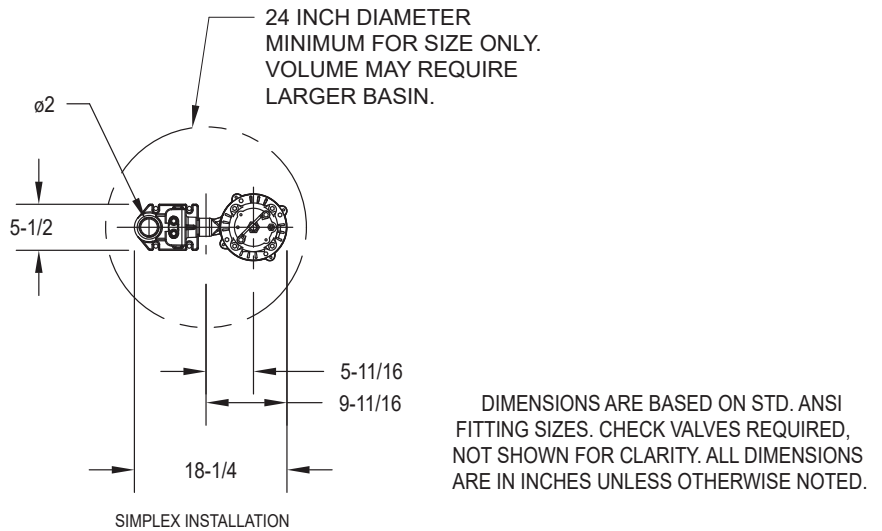
841/842



## FLYGT ADAPTER - 39-0183



## LIBERTY ADAPTER - 39-0182

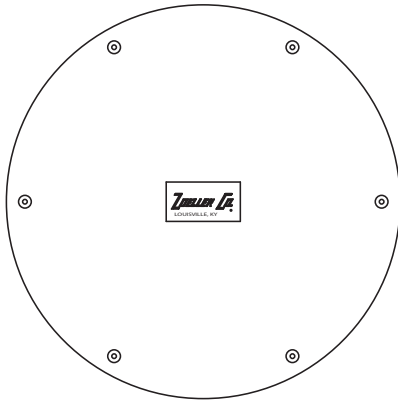


Note: For other competitor adapters consult factory

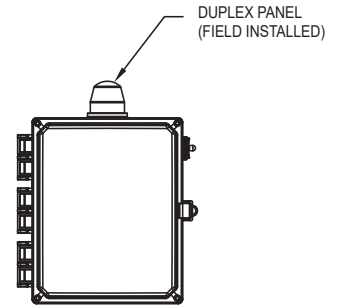
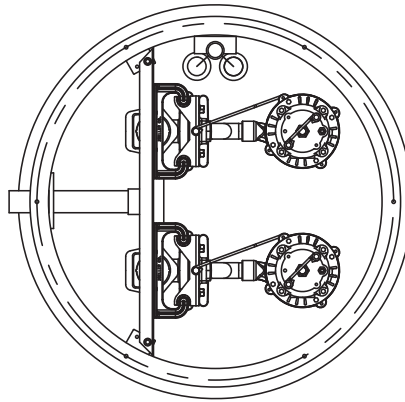
Liberty is a trademark of Liberty Pumps.

SK3373

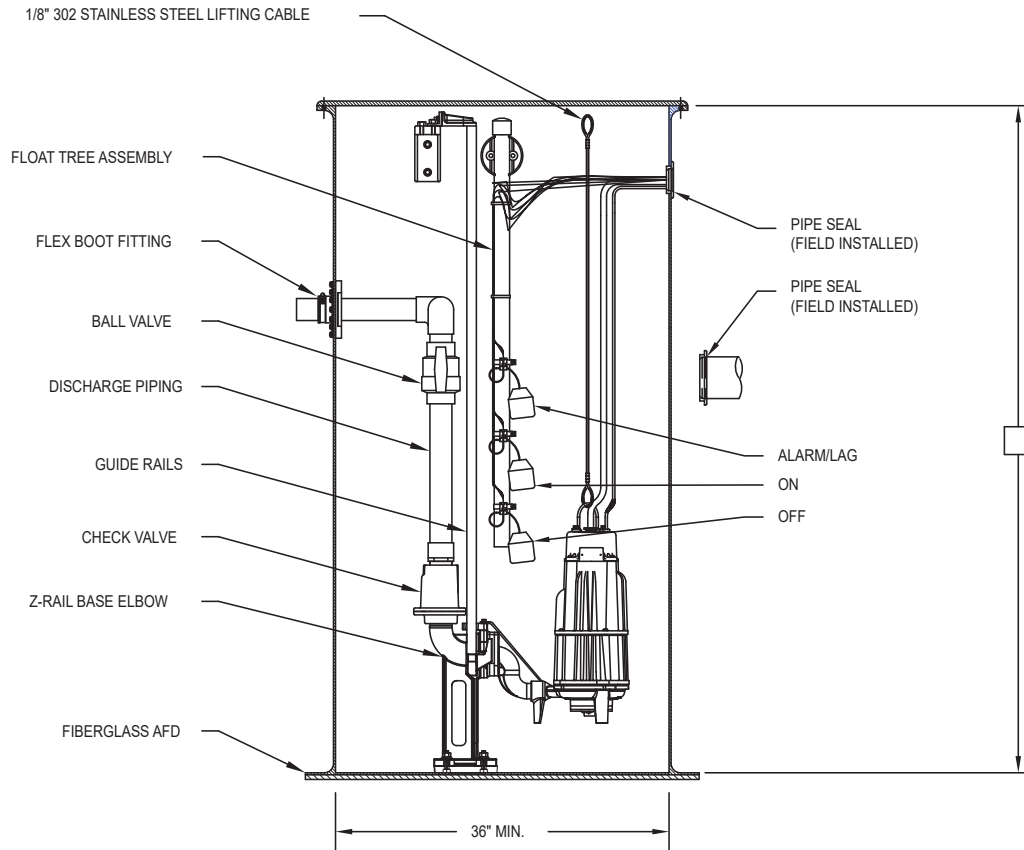
# **HORIZONTAL DISCHARGE ON A Z-RAIL SYSTEM** **39-0137 & 39-0138 Z-Rail**



SOLID FIBERGLASS COVER



DUPLEX PANEL  
(FIELD INSTALLED)



SK3355





MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347  
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961  
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

Trusted. Tested. Tough.®

Visit our website:  
[zoellerpumps.com](http://zoellerpumps.com)



# Proposal Request Transmittal

RossTarrant Architects | 101 Old Lafayette Ave Lexington KY 40502 United States

PROJECT: Estill Springs ES Phase 2 Ren/Add 2148      DATE SENT: 2/22/2023

SUBJECT: PR 11- Underslab Sanitary Sewer Repairs @ Restrooms      PROPOSAL REQUEST ID: PR 11

TYPE: Proposal Request      TRANSMITTAL ID: 00425

PURPOSE: For Contractor's Pricing      VIA: Info Exchange

---

FROM

NAME	COMPANY	EMAIL	PHONE
Jonathan Ruiz	RossTarrant Architects	jruiz@rosstarrant.com	859-254-4018

TO

NAME	COMPANY	EMAIL	PHONE
Casey Cullen		ccullen@codellconstruction.com	

REMARKS: Context: We start with the line replacement – it should get us the invert of the main in the corridor to make absolute sure we need a pump.

Contractor to provide a detailed pricing breakdown for time and material costs associated with the following:

1. Sawcut/excavate existing sanitary line downstream of new addition's connection point, through the interior restroom, and to its connection to the main in the corridor. Replace existing line in restroom to main in corridor, providing proper slope, backfill, and patch slab. Provide invert elevation of main in corridor at the connection point.
2. Provide pricing to provide and install duplex grinder pump with exterior basin and control panel installed outside the building in the sanitary line downstream of the connection of the two new classrooms. See attached selection: Zoeller Shark Series – Pump Model 840 with 45 GPM at 10' of head. Duplex control panel with NEMA 4X enclosure, audible and visual high water alarms, starting, control, and alarm circuits, circuit breaker and rated motor contactor, alternating circuit, high water alarm light with flasher, HOA switches and pilot lights. 36"W x 60"D Fiberglass outdoor basin with anti-flotation ring, rail disconnect system, inlet and discharge pipe seals, float tree with floats. Route electrical circuit from existing panel in kitchen – field verify panel location and circuit space. Pipe discharge under existing restroom to main in corridor separate from line serving the restroom fixtures. (See attached)

This is not a change order nor a direction to proceed with the work described herein.

# Proposal Request Transmittal

DATE: 2/22/2023

ID: 00425

## DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	2/22/2023	Grinder Pump - Reviewed.pdf				

---

## COPIES:

Kenny Davis  
Peter Fisher  
Shauna Wietzki

(Codell Construction Company)  
(RossTarrant Architects)  
(RossTarrant Architects)