

FACPAC Contract Change Order Supplemental Information Form (Ref# 57716)

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: Babcon Inc, 0012, Electrical
 Type: CM Bid Package Proposed

Change Order Number 12-3
 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	\$270,992.17
Remaining After All COs	\$-132,542.17

This Requested Change Order Amount \$7,107.50

+/-

Change In A/E Fee This Change Order \$390.91

+/-

Change In CM Fee This Change Order \$142.15

+/-

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	\$3,582.75	50.41%
Materials	\$2,570.93	36.17%
Profit and Overhead	\$953.82	13.42%
Bond Insurance		0.00%
Cost Breakdown Total:	\$7,107.50	

Cost for this Change Order supported by an alternate bid or competitive price quote No
Explain Why

Change Order Supplemental Information Form Signature Page (Online Form Ref# 57716)

Architect

Date

Construction Manager

Date

Finance Officer

Date

Local Board of Education Designee

Date



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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: 12-03
 INITIATION DATE: 3/27/2023

TO CONTRACTOR (Name and Address)
 BABCON, INC.

PROJECT NUMBERS: 000778
 CONTRACT DATE: 8/15/2022
 CONTRACT FOR: BID PACKAGE #12 ELECTRICAL

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	440,545.00
Net change by previously authorized Change Orders	9,884.55
The Contract Sum prior to this Change Order was	450,429.55
The Contract Sum will be Increased by this Change Order in the amount of	7,107.50
The new Contract Sum including this Change Order will be	457,537.05

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)

BY (Signature)

(Typed Name)

DATE:

(Typed Name)

DATE:

BABCON, INC.

ESTILL COUNTY BOARD OF EDUCATION

CONTRACTOR (Firm Name)

OWNER (Firm Name)
 253 MAIN STREET IRVINE, KY 40336

ADDRESS

ADDRESS

BY (Signature)

BY (Signature)

(Typed Name)

DATE:

(Typed Name)

DATE:

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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
STANDAFER 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)

CHANGE NOTICE

CCN # PR11
Description: Grinder Pump
Date: 2/28/2023
Project Name: Estill Springs Phase 2

Itemized Breakdown

Description	Qty	Net Price U	Total Mat.	Labor U	Total Hrs.
3/4" CONDUIT - EMT	130	78.61 C	102.19	4.50 C	5.85
3/4" CONN COMP STL - EMT	12	46.35 C	5.56	11.00 C	1.32
3/4" COUPLING COMP STL - EMT	14	60.96 C	8.53	8.00 C	1.12
3/4" CONDUIT - RMC - GALV	40	207.62 C	83.05	5.00 C	2.00
3/4" LOCKNUT - STEEL	4	16.22 C	0.65	2.30 C	0.09
3/4" 1-H STRAP - EMT - STEEL	20	45.31 C	9.06	4.00 C	0.80
3/4" 1-H STRAP - RMC - MALL	6	78.20 C	4.69	5.40 C	0.32
1/2" FLEX - LIQUIDTIGHT METALLIC - GRAY	6	127.67 C	7.66	3.90 C	0.23
1/2" CONN STRAIGHT - LIQUIDTIGHT DIECAST	2	642.56 C	12.85	15.00 C	0.30
3/4" CONDUIT - PVC40	40	96.23 C	38.49	3.60 C	1.44
3/4" ELBOW 90 DEG - PVC40	3	119.05 C	3.57	19.00 C	0.57
3/4" ADAPTER MALE - PVC	3	55.38 C	1.66	10.00 C	0.30
#12 THHN BLACK	745	175.01 M	130.38	6.00 M	4.47
#10 THHN BLACK	550	267.63 M	147.20	7.50 M	4.13
#12/4C CORD - SJOW	50	3,000.00 M	150.00	32.40 M	1.62
#10/4C CORD - SJOW	100	6,000.00 M	600.00	34.80 M	3.48
#12/4C CORD CONN - SO - 3/4" HUB	6	300.00 C	18.00	43.00 C	2.58
#10/4C CORD CONN - SO - 3/4" HUB	2	400.00 C	8.00	43.00 C	0.86
WIRE CONN RED	45	23.79 C	10.71	0.00 C	0.00
LAMACOIDLABEL	1	5.00 E	5.00	0.05 E	0.05
4x 2 1/8" SQ BOX COMB KO	6	165.50 C	9.93	15.00 C	0.90
4" SQ BLANK COVER	6	73.10 C	4.39	8.00 C	0.48
12x 12x 6" J-BOX W/ CVR NO HUBS - PVC	2	9,162.62 C	183.25	90.00 C	1.80
STRUT STAND FOR CONTROLLER/CONCRETE BAS	1	315.00 E	315.00	4.00 E	4.00
#8 TO #10x 7/8 PLAS ANCHOR (3/16)	4	3.19 C	0.13	6.00 C	0.24
#10x 1 P/H SELF-TAP SCREW	7	10.95 C	0.77	3.00 C	0.21
PUMP CONTROL PANEL PROVIDED BY OTHERS	1	0.00 E	0.00	4.00 E	4.00
20A 3P BREAKER BOLT-ON	1	100.00 E	100.00	0.40 E	0.40
30A 600V DSN SW FUSIBLE - NEMA 3R	1	314.69 E	314.69	1.20 E	1.20
TRENCH (6"x 3' DEEP)	15	10.00 E	150.00	0.20 E	3.00
Totals	1,823		2,425.41		47.77
General Materials					2,425.41
Material Tax (@ 6.000 %)					145.52
Total Material					2,570.93
LABOR					
JOURNEYMAN (47.77 Hrs @ \$75.00)					3,582.75
Overhead (@ 10.000 %)					615.37
Markup (@ 5.000 %)					338.45
Subtotal					7,107.50
Final Amount					\$7,107.50

ORIGINAL

CHANGE NOTICE

CCN # PR11
Date: 2/28/2023
Project Name: Estill Springs Phase 2

CLIENT ACCEPTANCE

CCN #	PR11
Final Amount:	\$7,107.50
Name:	PLEASE NOTE BELOW HIGHLIGHTED INCLUSIONS AND EXCLUSIONS FOR
Date:	SCOPE OF WORK.
Signature:	
Change Order #:	

I hereby accept this quotation and authorize the contractor to complete the above described work.

Work Description

We reserve the right to correct this quote for errors and omissions.

This quote covers only the material, labor, and scope of work listed below. After acceptance of change order, no other material or labor will be provided without an increased cost.

This price is good for acceptance within 30 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 **PR11**.

Current date 2/28/2023

Project Name Estill Springs Phase 2

INCLUDED: Provide and install new 20 amp 3pole breaker, pathway, and wire for grinder pump circuit from existing kitchen panel.
Provide and install pathway and wiring back into building for BAS system monitoring.
Provide and install strut stand for pump control panel.
Install pump control panel provided by others.
Provide and install power and alarm connections from control panel to pump and pit.

EXCLUDED: Any installation of the pump, pit, or mechanical parts associated with the pump.
Any other control or power circuits not mentioned above.
Any connections or programming of the BAS monitoring system.

ORIGINAL

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

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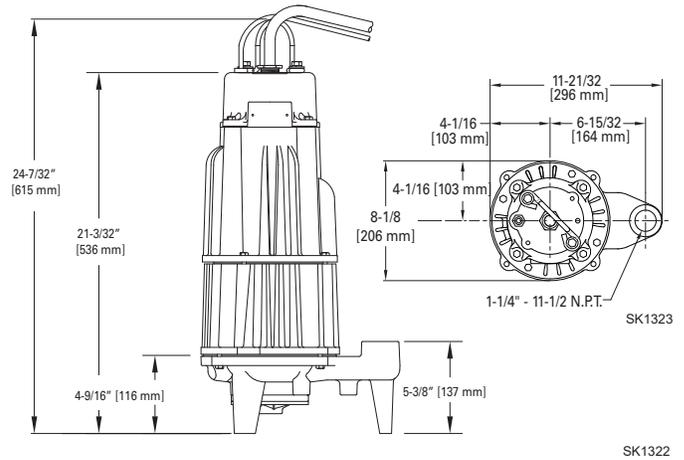


TECHNICAL DATA SHEET
MODEL 840/841/842
DUAL SEAL GRINDER PUMPS
Pump Systems And Controls

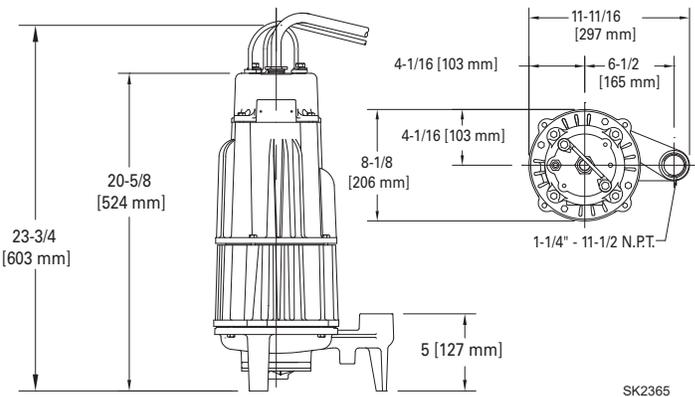
PRODUCT SPECIFICATIONS

MOTOR	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
PUMP	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
MATERIALS	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)



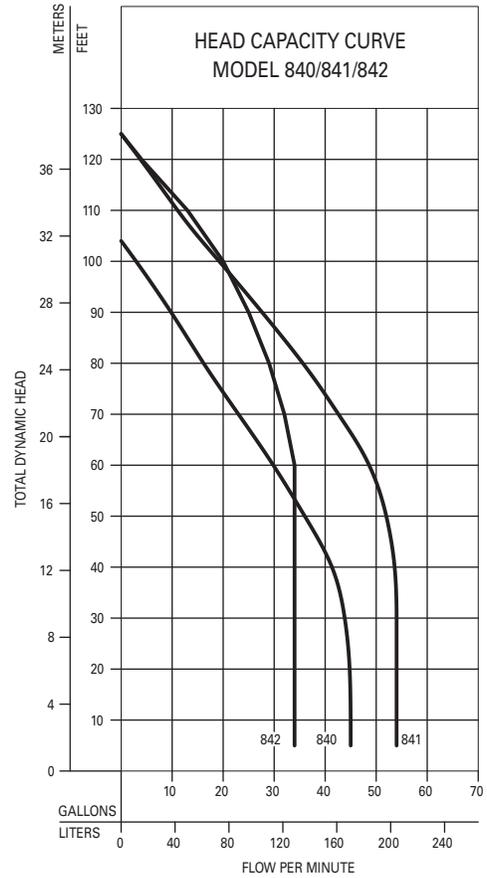
Models 841/842
Vertical Discharge



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	
840 REVERSING GRINDER				SIMPLEX	DUPLEX
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
841 SINGLE DIRECTION GRINDER				SIMPLEX	DUPLEX
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
842 SINGLE DIRECTION GRINDER				SIMPLEX	DUPLEX
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).

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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

**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

<input type="checkbox"/> 24" x 36" (61 x 91 cm)	P/N 32-0005	WGT. 107 lb (48.5 kg)
---	-------------	-----------------------

DUPLEX

<input type="checkbox"/> 30" x 36" (76 x 91 cm)	P/N 32-0006	WGT. 154 lb (69.9 kg) 3-float system
<input type="checkbox"/> 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)	<input type="checkbox"/> P/N 39-0031	WGT. 1 lb (0.5 kg)
12' (3.7 m)	<input type="checkbox"/> P/N 39-0032	WGT. 1 lb (0.5 kg)
16' (4.9 m)	<input type="checkbox"/> P/N 39-0033	WGT. 1 lb (0.5 kg)

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

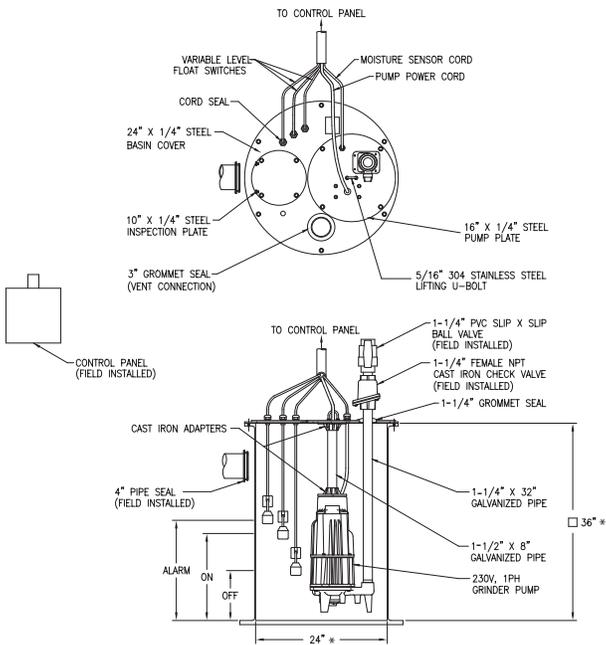
SIMPLEX REVERSING CONTROL BOXES*

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	

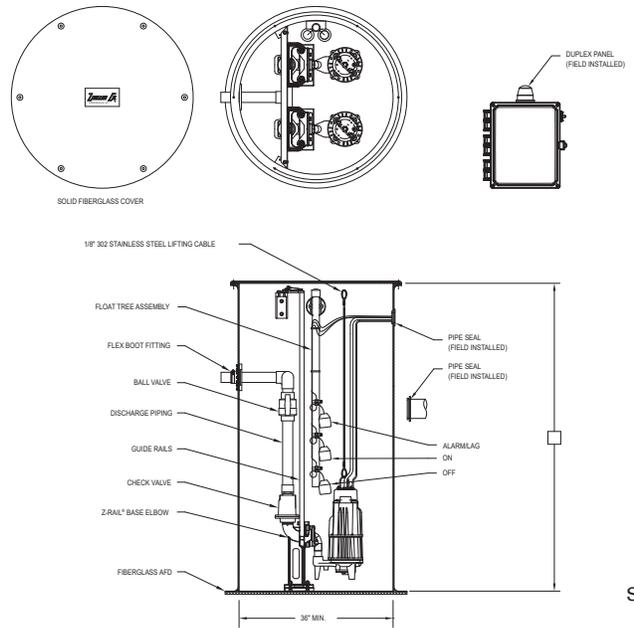
*These control boxes consist of the reversing mechanisms and capacitors (1Ph units) only. They will not control pumps. Refer to Section B for complete system controls. For duplex applications use two simplex reversing control boxes.

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)



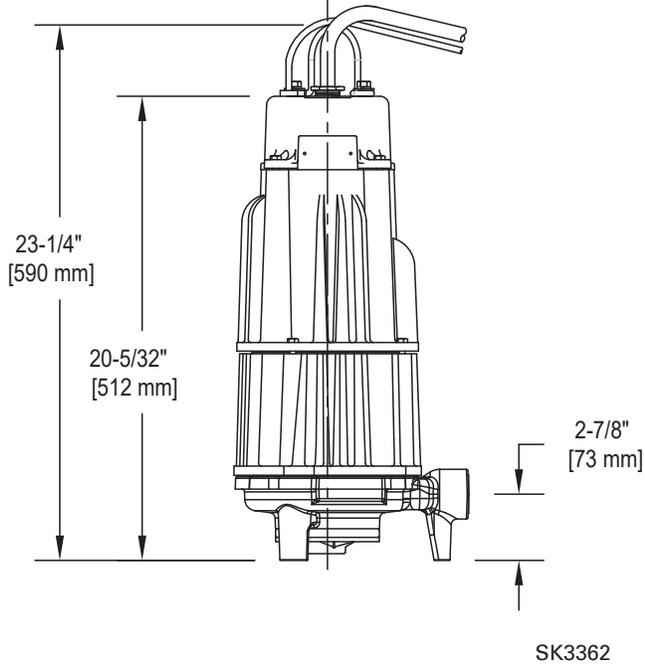
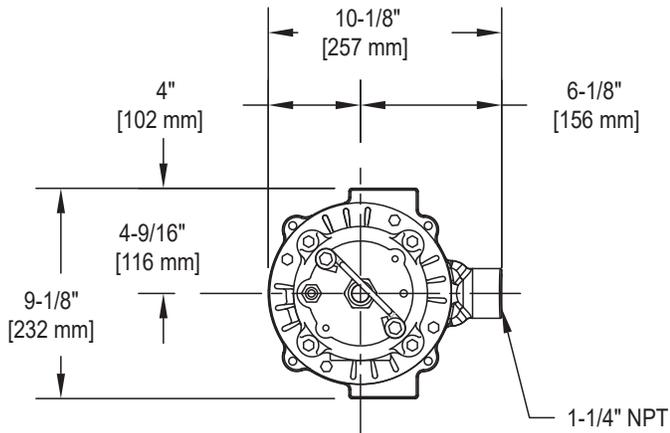
SK1695



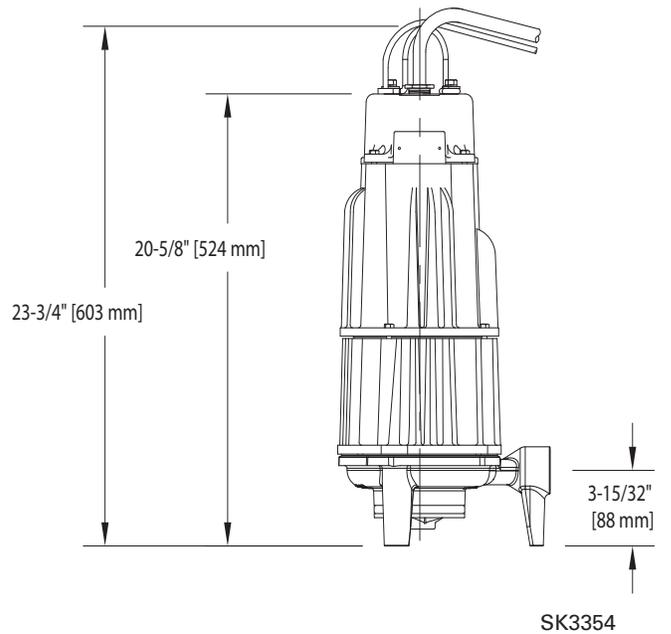
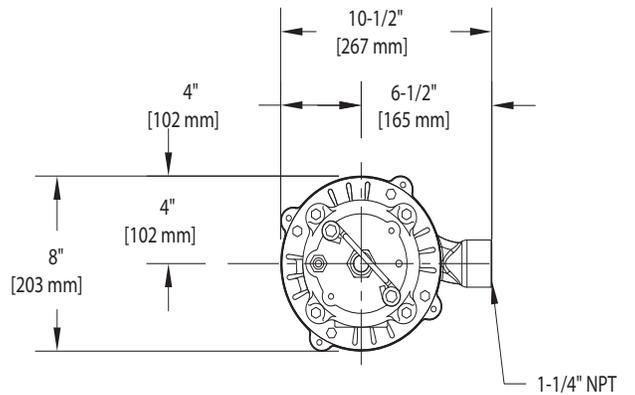
SK3111

840/841/842 Horizontal Discharge Dimensional Data

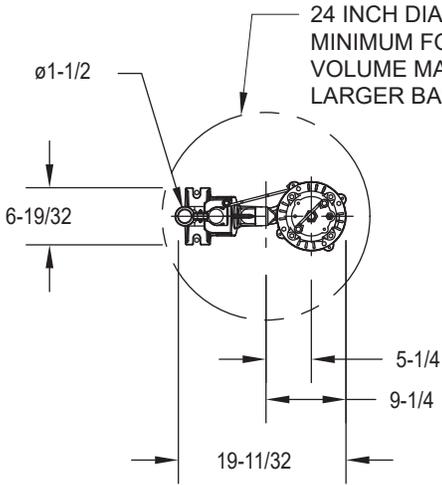
840



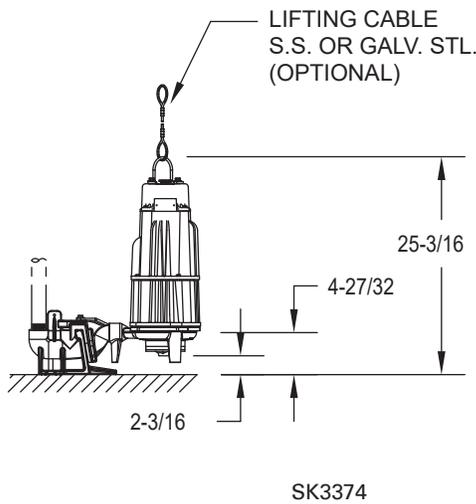
841/842



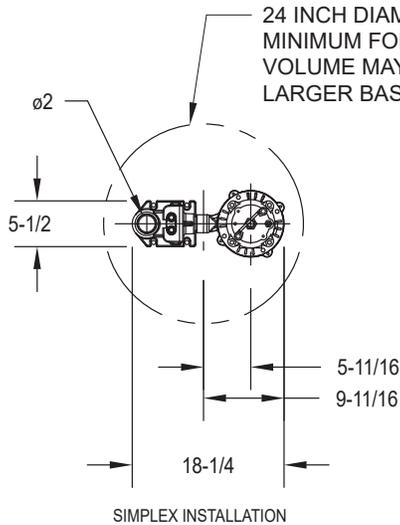
FLYGT ADAPTER - 39-0183



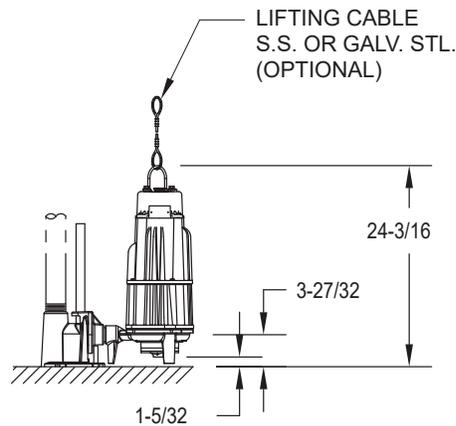
DIMENSIONS ARE BASED ON STD. ANSI FITTING SIZES. CHECK VALVES REQUIRED, NOT SHOWN FOR CLARITY. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



LIBERTY ADAPTER - 39-0182



DIMENSIONS ARE BASED ON STD. ANSI FITTING SIZES. CHECK VALVES REQUIRED, NOT SHOWN FOR CLARITY. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

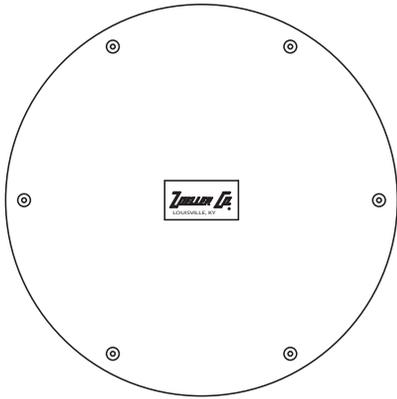


Note: For other competitor adapters consult factory

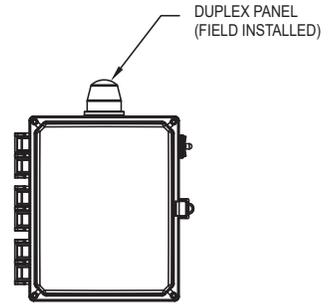
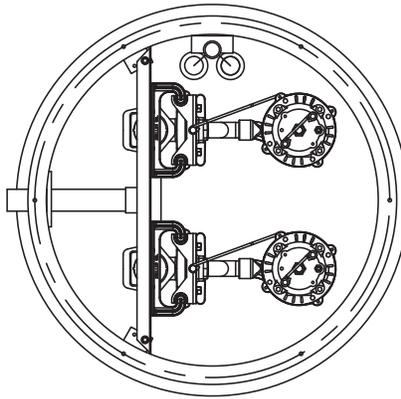
Liberty is a trademark of Liberty Pumps.

SK3373

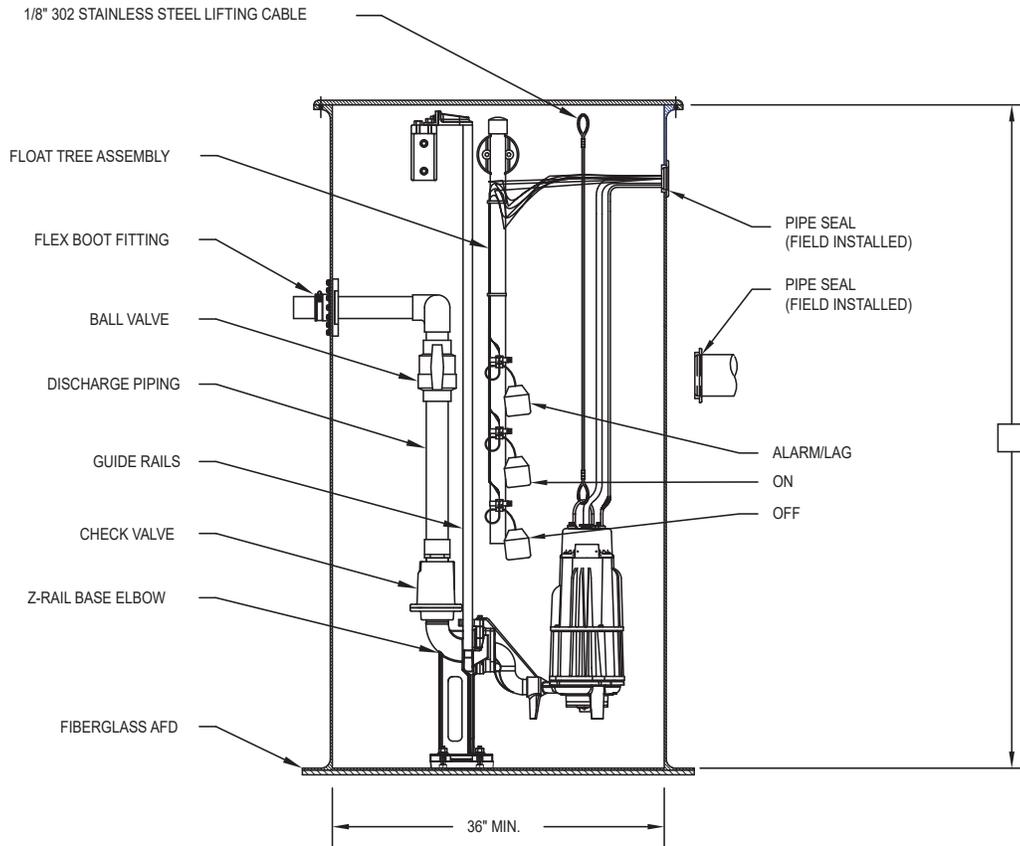
**HORIZONTAL DISCHARGE ON A Z-RAIL SYSTEM
39-0137 & 39-0138 Z-Rail**



SOLID FIBERGLASS COVER



DUPLEX PANEL
(FIELD INSTALLED)



SK3355



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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)