

WEIL**Elevator Pump System****1411-OSS**

System Includes: Pump, Switch, and Alarm



Heavy duty pump, control, and alarm system for commercial and industrial elevator sump applications. Pump clear and grey water with solids to 1/2 Inch. Will not pump when oil is detected in sump or wet well.

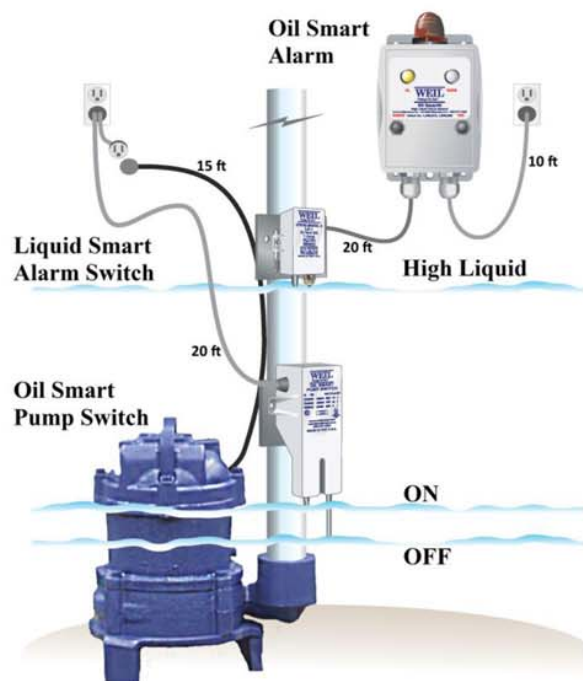
Disch. Size 2
 Disch. Type NPT
 Solids Max. 1/2 Inch
 Mounting Style Floor

Pump

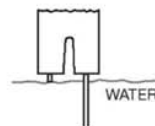
- Case – Cast Iron
- Impeller – Cast Iron
- Strainer – 304 Stainless Steel
- Stainless Steel Hardware

Motor

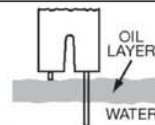
- Single Seal
 - Carbon against Ceramic
- **Air-Filled Hermetically Sealed Shaft – Stainless Steel Series 300**
- Motor Shell – Cast Iron
- Insulation – Class F
- Ball Bearings – 2 – Double Sealed
- Power Cord Length – 15 ft with 3 conductor grounded plug
- Single-Phase Motor:
 - 1750 RPM, 60 Hz, 115 Volts
 - Automatic reset thermal and overload protection
 - Capacitors and start relay in motor

**Normal Condition (Water Only)**

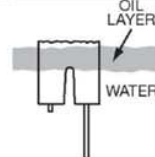
The short sensor probe turns the pump "on" and the long sensor probe turns the pump "off". When the short sensor is in contact with water, the pump will continue to cycle "on and off" until the short sensor detects oil

**Oil Present Condition**

The pump will not cycle if oil is in contact with the short sensor.

**High Water (Oil Present Condition)**

If additional water enters the basin it will cause the oil layer to rise above the short sensor, resulting in the pump cycling

**Oil Smart Pump Switch**

The Oil Smart Switch pumps water, not hydrocarbons. The switch provides a 4-1/2 inch on/off differential range, and identifies whether oil or water is present. 20 ft cord and plug. Use in applications including:

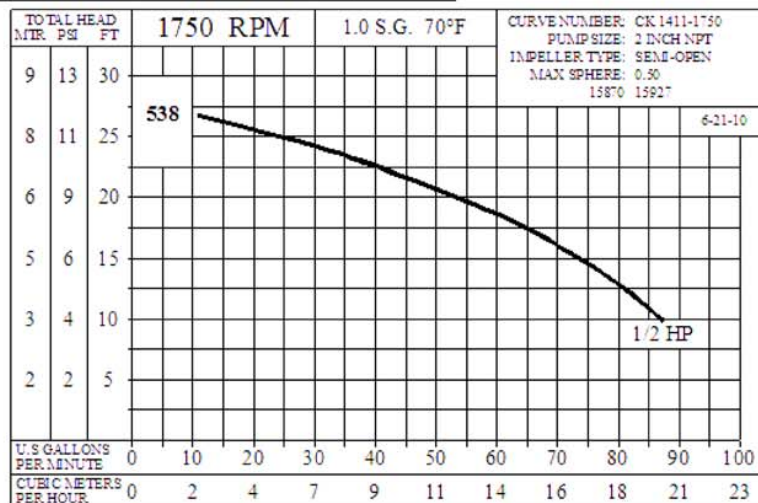
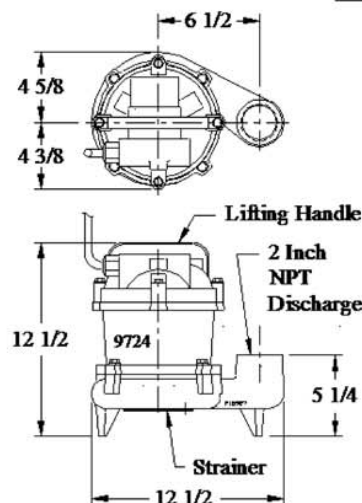
- Elevators
- Transformer oil contaminant areas
- Underground utility vaults
- Marine

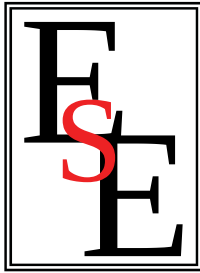
Oil Smart Alarm & Switch

The Oil Smart Alarm differentiates and indicates whether oil or water is present at high level.

Includes:

- Alarm dome light
- 85db Horn
- Silence and test buttons
- Isolated contacts for all conditions
- 10ft cord and plug – 115 Volt
- Differentiating switch with 20ft cord

**1411-OSS**



Engineered Equipment Sales

Division of Debco Equipment Company, Inc.

1814 South Third Street
Saint Louis, MO 63104-4040

Submittal

314.646.0074 Phone
314.646.0078 Fax

May 11, 2016

TO: Ferguson

Project: Webster University Science

We are pleased to submit the following equipment for approval:

ELEVATOR PUMP

One (1) Weil 1411-OSS elevator pump system. The system will consist of a 2" submersible pump, on/off pump switch, and alarm system. The pump will be powered by a 1/2hp, 1750rpm, 115/1 motor with 15' 3 conductor cable and a grounded plug. The control switch will have a 20' cord with a piggy back plug and use a standard 115/1 grounded outlet. The full load motor amp draw is 10. The high water/oil smart alarm will have a 20' cord to the sensor mounted in the pit. The control box will have a 10' three conductor cable to plug in to a grounded wall outlet. An isolated contact is available for remote monitoring of the alarm.

Sincerely,

Mike Busse

Michael D. Busse

This proposal incorporates our standard terms and conditions by reference. If you do not have a copy contact us immediately.

Subject to Factory Standard Warranty

Proposals good for 30 days



ESP-1 / ESP-2 ELEVATOR SUMP PUMP

W1411OSS	WEIL	ONE (1) WEIL 1411-OSS ELEVATOR PUMP SYSTEM. THE SYSTEM WILL CONSIST OF A 2" SUBMERSIBLE PUMP, ON/OFF PUMP SWITCH, AND ALARM SYSTEM. THE PUMP WILL BE POWERED BY A 1/2HP, 1750RPM, 115/1 MOTOR WITH 15' 3 CONDUCTOR CABLE AND A GROUNDED PLUG. THE
M	WEIL	CONTROL SWITCH WILL HAVE A 20' CORD WITH A PIGGY BACK PLUG AND USE A STANDARD 115/1 GROUNDED OUTLET. THE FULL LOAD MOTOR AMP DRAW IS 10. THE HIGH WATER/OIL SMART ALARM WILL HAVE A 20' CORD TO THE SENSOR MOUNTED IN THE PIT. THE CONTROL BOX WILL
M	WEIL	HAVE A 10' THREE CONDUCTOR CABLE TO PLUG IN TO A GROUNDED WALL OUTLET. AN ISOLATED CONTACT IS AVAILABLE FOR REMOTE MONITORING OF THE ALARM.

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: June 3, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mike Whitworth (WES)

Project No. WT 14127.01
WES 607

☐

UPS

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Courier

☒

Email

Copies	No.	Description
1 PDF	221429P01	(Submittal No.'s:
		(Cannon #-22 1429-003) - (Paric #15051-) - (WES #607)
		➤ Sump Pumps Product Data:
		• Sump Pumps SP-1, SP-2 & SP-3
		• Elevator Sump Pumps ESP-1 & ESP-2

***Remarks: See Submittal Review from Webb Engineering.**

c: Kevin Patel
Kpatel@cannondesign.com

☒

***Reviewed**

☒

***No Exception Taken -**

☐☒

***Make Corrections as
Noted, No Resubmittal
Required**

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.



1400 S. 3rd Street, Suite 201
St. Louis, Missouri 63104
Phone: (314) 588-0600
Fax: (314) 588-0604

Letter of Transmittal

To: **wtashop@wmtao.com**

From: **Mike Whitworth**

Date: **June 03, 2016**

Re: **Webster University ISB**

WES No: **607**

☐ For your Files

☐ For Review

☐ Please Comment

☐ Please Reply

Item No.	Description	No. of Copies	Date
1	Shop Drawing Review – 22 1429-003 Sump Pumps	1	06-03-2016

•Signature: Mike Whitworth

The review of this submittal is limited to the general conformance with the designated design concept and intent of this project and with the general compliance of the information provided in the contract documents. All comments, remarks and notations made on the submittal(s) as a result of this review do not relieve the contractor from full compliance with requirements of the contract documents. Approval for a specific item shall not include approval of an assembly of which the item is not a component. The contractor is solely responsible for rough-in and installation confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordination of this work with that of other trades on this project; and in a safe and satisfactory manner. All work shall be installed in full compliance with the manufacturer's recommendation Federal, State and Local rules and regulation and the Authority Having Jurisdiction (AHJ) and applicable adopted codes and standards.

PROJECT NAME: WU-ISB
 LOCATION: St. Louis, MO
 CLIENT PROJ. NO.: NA
 WES PROJ. NO.: 608
 SPEC SECTION: 22 1429-003
 SUBMITTAL ITEM: See Below -

CONTRACTOR: DeLuca Plumbing LLC
 CTR. SUBMITTAL #: 221429-003
 SUBMITTAL DATE: May 25, 2016
 DATE RECEIVED: May 26, 2016
 RECEIVED VIA: E-Mail
 RECEIVED FROM: WTA
 DATE RETRND: June 03, 2016
 RETURNED VIA: E-Mail
 RETURNED TO: wtashop@wmtao.com

STATUS KEY:

NO EXCEPTION TAKEN							
NEC	MCN	MAKE CORRECTIONS NOTED, NO RESUBMITTAL IS REQUIRED:					
		AMEND AND RESUBMIT					
		AAR	REJ	REJECTED, SEE REMARKS:			
				REVIEWED ONLY			
				REV	ITEM	REMARKS	
X					Sump Pump SP-1 and SP-2 Weil Pump Co. Model 2224 – 4 Inch Vertical Wastewater Pump Model 8211K2014 Pedestal Switch Model 8211K7015 Auxiliary Switch for High Water Alarm Model 8155T-100 Control Panel Fiberglass Basin – 36 x 108 Model 8805K1316S Basin Cover		
X					Sump Pump SP-3 Weil Pump Co. Model 1411 - 2 Inch Submersible Wastewater Pump Model 8341K1011 High Water Remote Alarm Panel Model 8233K1006 Tethered Float Fiberglass Basin – 36 x 108 Model 8805K1316K Basin Cover		
	X				Elevator Sump Pumps ESP-1 and ESP-2 Weil Pump Co. Model 1411-OSS Elevator Pump System	There are two separate elevator sump pump systems required. One for each of the hoistway pits	

REVIEWED BY: Mike Whitworth DATE: June 03, 2016

THESE COMMENTS ARE TO BE ATTACHED TO ALL COPIES OF THE SHOP DRAWING REFERENCED ABOVE.



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0051

Paric Corporation

PROJECT: Webster University Interdisciplinary Science Building

DATE: 05/25/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Sump Pumps Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☒ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		221429-003	1		05/25/2016	Sump Pumps Product Data	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

Shop Drawing Submittal

Project Name: WEBSTER ISB

Specification # **221429-01**

Specification Description: SUMP PUMPS
SP1-SP3 & ESP-1 – ESP-2

Date: 05-23-16

General Contractor / Construction Manager: PARIC

ARCHITECT: KWA

ENGINEER: William Tao

Contractor: DeLuca Plumbing, L.L.C.
8465 Delport Drive
St. Louis, MO 63114

Supplier: FERGUSON

Manufacturer: Various

Reviewed & Approved by: DeLuca Plumbing 05-23-16

Action: Forward to GC/CM for Review & Approval

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