



**PCO #109**

Ratcliff Constructors, LP  
 4200 Beltway Drive  
 Addison, Texas 75001  
 Phone: (972) 432-9969  
 Fax: (972) 432-9943

**Project:** 21-501 - Collin County Adult Detention Facility, Phase 1 Addition  
 4300 Community Avenue  
 McKinney, Texas 75071

**Prime Contract Potential Change Order #109: PR #22R Oil Smart Controller ELECTRICAL & PLUMBING**

<b>TO:</b>	Collin County 4600 Community Avenue McKinney Texas, 75071	<b>FROM:</b>	Ratcliff Constructors, LP 4200 Beltway Drive Addison Texas, 75001
<b>PCO NUMBER/REVISION:</b>	109 / 0	<b>CONTRACT:</b>	1 - Collin County Adult Detention Facility, Phase 1 Addition Prime Contract
<b>REQUEST RECEIVED FROM:</b>		<b>CREATED BY:</b>	CJ Perry (Ratcliff Constructors, LP)
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	7/17 /2024
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	
<b>FIELD CHANGE:</b>	No	<b>ACCOUNTING METHOD:</b>	Amount Based
<b>LOCATION:</b>		<b>PAID IN FULL:</b>	No
<b>SCHEDULE IMPACT:</b>		<b>TOTAL AMOUNT:</b>	\$12,483.75

**POTENTIAL CHANGE ORDER TITLE:** PR #22R Oil Smart Controller ELECTRICAL & PLUMBING

**CHANGE REASON:** Allowance

**POTENTIAL CHANGE ORDER DESCRIPTION:** *(The Contract Is Changed As Follows)*  
 PR #22R Oil Smart Controller ELECTRICAL & PLUMBING

Provide for additional materials, labor, and equipment required to complete all plumbing and electrical work per PR #22R. No pricing is included to tie the controller into the mechanical system at this time. This work will be captured in future PCO.

**ATTACHMENTS:**

#	Cost Code	Description	Type	Amount
1	26-103 - Fiber Optic Cabling	Electrical	Subcontractor	\$ 3,271.85
2	22-100 - Plumbing	Plumbing	Subcontractor	\$ 9,211.90
3		Ratcliff Bonds (1.25%)		\$ 0.00
4		Ratcliff Fee (10.00%)		\$ 0.00
<b>Subtotal:</b>				<b>\$12,483.75</b>
<b>Grand Total:</b>				<b>\$12,483.75</b>

**Michael Woods (Brinkley Sargent Wiginton Architects)**  
 5000 Quorum Drive, Suite 600  
 Dallas Texas 75254

**Collin County**  
 4600 Community Avenue  
 McKinney Texas 75071

**Ratcliff Constructors, LP**  
 4200 Beltway Drive  
 Addison Texas 75001

*Sandeep*  
 7/17/24  
 SIGNATURE DATE

*Michael Woods* 7-17-2024  
 SIGNATURE DATE

*CJ Perry* 7/17/24  
 SIGNATURE DATE

PROJECT NAME Collin County ADF  
 DESCRIPTION OF WORK PR #22R Removing the oil interceptor in the elevator machine room and adding audible alarm in room 1200

AUTHORIZED BY

EWA NO.

FOR: Chris Perry Jr./Shane Worley

EMPLOYEE NAME	EMP CLASS	STRAIGHT TIME				PREMIUM TIME				OVERTIME				Material				EQUIPMENT						
		HOURS	RATE	AMOUNT	PER-DIEM	HOURS	RATE	AMOUNT	PER-DIEM	HOURS	RATE	AMOUNT	QUANTITY	DESCRIPTION	UNIT PRICE	U	EXTENDED AMOUNT	DESCRIPTION	EQUIP TYPE	MO	RATE	AMOUNT		
Site Project Manager	PMS	2	\$95.10	\$190.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$135.42	\$0.00	200	3/4" Emr Conduit	\$1.45	E	\$290.00	Mini Excavator	T			\$0.00	\$0.00		
Journeyman	JM	16	\$51.21	\$819.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$72.94	\$0.00	12	3/4" Emr Connectors	\$0.90	E	\$10.80	Skidsteer	T			\$0.00	\$0.00		
Helper	HP	16	\$18.04	\$288.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$54.18	\$0.00	25	3/4" Emr Couplings	\$0.98	E	\$24.75	Jackhammer	T			\$0.00	\$0.00		
			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	5	4" Square Box 2-1/8" Deep	\$3.25	E	\$16.25	Packer	T			\$0.00	\$0.00		
			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	5	4" Square Blank Cover	\$1.25	E	\$6.25	Core Drill	T	3		\$125.00	\$375.00		
			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	700	#12 Cu Stranded	\$0.36	E	\$252.00	Scissor Lift	T			\$0.00	\$0.00		
			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	50	3/4" Emr Support	\$2.50	E	\$125.00	Company Truck	C	0.25		\$750.00	\$187.50		
			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	6	Term. Lug & Brady Label - #12	\$0.75	E	\$4.50	cable tuggler	T			\$0.00	\$0.00		
			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					\$0.00	Freight for 3rd Party				\$0.00	\$0.00		
			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					\$0.00	Fuel, Oil & Lube for 3rd Party				\$0.00	\$0.00		
Straight Time Labor - Sheet Sub-Total											34	\$	1,618.20					\$	721.55			\$	375.00	
Premium Time Labor - Sheet Sub-Total											N/A	\$						\$				\$	0.00%	\$
Overtime Time Labor - Sheet Sub-Total											0	\$						\$	72.16			\$	0.00%	\$
Per-Diem - Sheet Sub-Total												\$						\$				\$	0.00%	\$
TOTAL LABOR (This Sheet)											34	\$	1,618.20					\$	793.71			\$	562.50	
OH												\$						\$				\$	0.00%	\$
Markup												\$						\$				\$	10.00%	\$
GRAND TOTAL												\$						\$				\$	3,271.85	

REMARKS:

APPROVED Ratcliff DATE July 15, 2024

BY \_\_\_\_\_ COMPANY \_\_\_\_\_

IN LIEU OF SIGNATURE, PLEASE ADVISE IMMEDIATELY IF ANY OF THE ABOVE DOES NOT AGREE WITH YOUR RECORDS.

Daum Plumbing Co. Inc

972-241-7000 Fax 972-241-7074  
 TSBPE 512-458-2145 S Daum#M14182  
 11695 Airway Blvd  
 Roanoke, TX 76262

# CHANGE ORDER

Date	Estimate #
7/17/2024	10535

Name / Address
Ratliff Construction LP 14901 Quorum Drive #715 Dallas, TX 75254 972-432-9969 972-432-9943 Fax

Project
22121 - Ratliff - Co...

Description	Qty	Total
PR22R  Remove Sand Oil Inceptor and Existing Alarm Panel (For Attic Stock)  Supply and Install New Alarm Panel with 100' Cord to be mounted at location shown on PR22R All Electrical to be Run by Electrician Route Drain Pipe from Pump to Existing Drain Line in Slab Mount Floats Needed for Alarm Panel  4 Days - 1 Plumber/1 Apprentice 2 150.00 Per Hour - 4800.00  Materials Alarm Panel and Cord 3200.00 (Includes Freight) 2" DWV Copper 374.45 5 - 90's, 2 - 45's, stand off clamps, ATR, Nuts Washers, Solder POH 837.45  1-2 Week Lead Time Adds 4-5 Days to Schedule	1	9,211.90
Collin County Detention Center Phase 1 Addition	<b>Total</b>	\$9,211.90 ✓

**PROPOSAL REQUEST**

Distribution: OWNER  ARCHITECT  CONSULTANT  CONTRACTOR  FIELD  OTHER

**PROJECT:** Collin County Adult Detention Facility  
 4300 Community Avenue  
 McKinney, TX 75071

**PROPOSAL REQUEST 22R**

**OWNER:** Collin County  
 4300 Community Avenue  
 McKinney, TX 75071

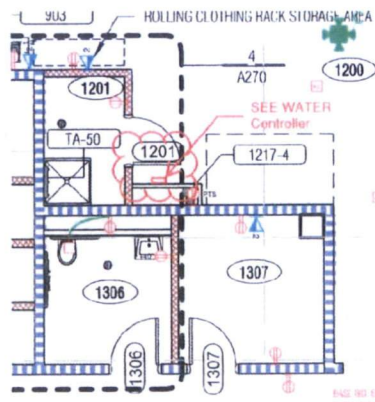
**TO:** Ratcliff Constructors, LP  
 4200 Beltway Drive  
 Addison, TX 75001

**PROJECT NO.:** 21913  
**INITIATION DATE:** 07/2/2024  
**NOTICE TO PROCEED DATE:** 02/17/2022  
**CONTRACT DATE:** 11/10/2021

**CONTRACT FOR:** General Construction

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.

- Item No. 1. Room 1318: Remove the current oil separator from this room and provide to Owner as Attic Stock. Cut and cap all lines to the oil separator. Connect line from elevator sump pump to SSWR discharge line. Provide and install an Oil Minder (See Water OSSIM-30 Oil Smart Controller, and Liquid Smart Alarm Sensor). Mount Controller in Room 1200 (refer to location below) – Coordinate cord length with manufacture as this can be customized length. Install per manufacture instructions. Provide electrical as needed to operate the controller.



- Item No. 2. Provide and Install control cabling to new Oil Minder for integration into BMS System.

Attachments: See Water Controller PD

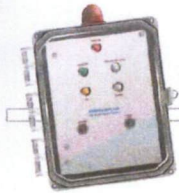
Drawings: Image of Controller Location

Specifications: N/A

**END OF PROPOSAL REQUEST 22R**

**ISSUED:** BRINKLEY SARGENT WIGINTON ARCHITECTS  
 By: Michael Woods July 2, 2024

ARCHITECT DATE



**Butler Brothers**  
**TAG: SP 1.3 & 1.4**

**OIL SMART® SIMPLEX PANELS**

The Oil Smart® Simplex Panel, when combined with a manual sump pump, will automatically pump water without the risk of pumping oil into the environment. Additionally, the system alerts maintenance or building personnel in the event of a high oil or high water condition. Installation of the Simplex Panel allows you to comply with Elevator Code ASME A17.1 and State/Federal regulations while reducing the risk of adverse publicity, fines and expensive cleanup costs.

**Models:**

**OSSIM-30**

120/208/240 VAC Single Phase, operates pumps up to 1HP @ 120V, 3HP @ 208/240V

**OSSIM-30-CB (Includes Pump Circuit Breaker)**

120/208/240 VAC Single Phase, operates pumps up to 1HP @ 120V, 3HP @ 208/240V

**OSSIM-30-E**

230 VAC European, 50Hz, Single Phase, operates pumps up to 1 HP @ 230V

**OSSIM-30-CB-E (Includes Pump Circuit Breaker)**

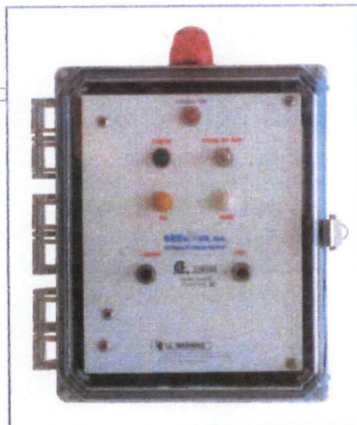
230 VAC European, 50Hz, Single Phase, operates pumps up to 1 HP @ 230V

**Features:**

- UL Listed for the United States and Canada (Panel and Controls)
- Pump Control and High Liquid Alarm differentiate between oil and water; Includes Oil Smart® Pump Control and Liquid Smart® Alarm Switch; 20' Cords Included
- Pump Control Visible Indicators: Pump #1 Hand-Off-Auto (H.O.A.) Switch, Green Pump Run Light and Power On Light
- Alarm Visible Indicators: High Red Beacon Alarm Light Yellow Light for Oil, White Light for Water, Alarm Test and Silence Buttons
- High 85 Decibel Audible Alarm
- Complete Panel Remote Monitoring Dry Contacts: Oil, Water, High Liquid

**Applications:**

- Elevator Sumps
- Transformer Containment Areas
- Underground Vaults
- Any application where there is a need to remove water while containing oil



[www.seewaterinc.com](http://www.seewaterinc.com)  
 or [www.oilsmart.org](http://www.oilsmart.org)

951.487.8073 • 888.733.9283

Email: [info@seewaterinc.com](mailto:info@seewaterinc.com)

121 North Dillon Street • San Jacinto, CA 92583

P.O. Box 1269 • San Jacinto, CA 92581

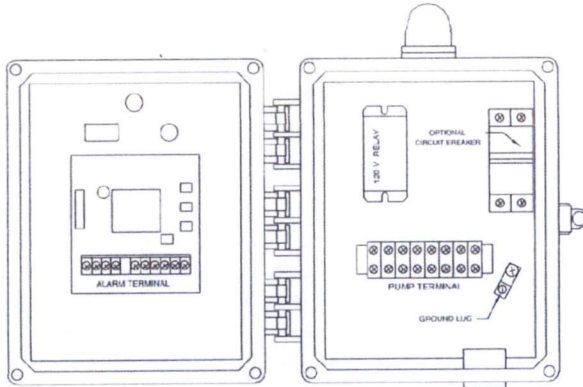
Fall-Safe Technology since 1995.



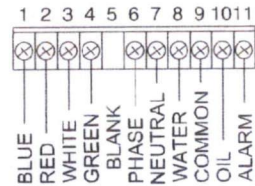
**TAG: ESP-1**

**OIL SMART® SIMPLEX PANELS**

**OSSIM-30 PANEL INSIDE VIEW**

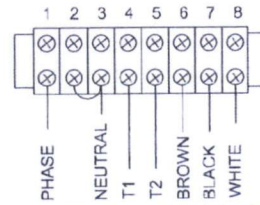


**ALARM TERMINAL**



[ LIQUID SMART ALARM SWITCH ] [ 120 V ] [ DRY CONTACTS ]

**PUMP TERMINAL**

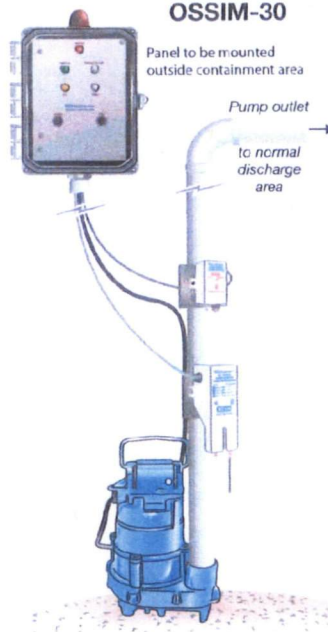


[ 120V ] [ PUMP ] [ OIL SMART SWITCH ]

\*for 240V, remove jumper

**OSSIM-30**

Panel to be mounted outside containment area

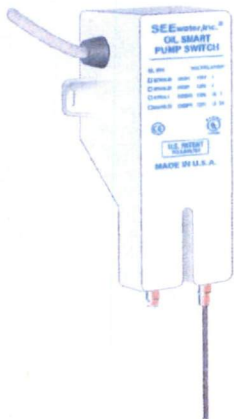


**Liquid Smart® Alarm Sensor**

If a liquid comes in contact with the sensors of the Liquid Smart Alarm Sensor, the sensor will send a signal to the control panel that there is a high liquid present. Simultaneously, the alarm sensor will differentiate and indicate if oil or water is present.

**OPERATION:**

**Oil Smart® Water Pump Switch**



When water comes in contact with the short (on) sensor, the pump will turn on; The pump will remain on until water clears the long (off) sensor. If oil comes in contact with the on sensor, the pump will not turn on; however the pump switch will activate and pump water from under the oil. Oil does not harm

the system in anyway. The sensors can oscillate through oil and see water.

**Technical Specifications:**

- Panel Enclosure: NEMA 4X Polycarbonate, 6" X 6" X 4"
- Liquid Smart Enclosure: Type 3R High Impact Injected Plastic, 3.5"H x 1.5"W x 1.5"D
- Liquid Smart Voltage: 12VDC Liquid Smart Wire: Insulation-PVC, PE with nylon rip cord, 18AWG, UL Listed
- Liquid Smart Technology: Combination capacitive/optic, solid-state low amp circuit

**Custom Options:**

- Additional Component Cord Length
- Main Disconnect Switch
- Elapsed Time Meter
- Pump Run Dry Contact
- Cycle Counter
- Wireless Communication

[www.seewaterinc.com](http://www.seewaterinc.com) or [www.oilsmart.org](http://www.oilsmart.org)

951.487.8073 • 888.733.9283 • Email: [info@seewaterinc.com](mailto:info@seewaterinc.com)  
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 P.O. Box 1269 • San Jacinto, CA 92581

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Fail-Safe Technology since 1995.

