

Contract Name  
 UNIT WELL 7 RECONSTRUCTION AND FILTER ADDIITON

Date 6/9/2015

Change Order No. CO 7  
 Contract No. 7265  
 Project No.  
 Change Order Project No.

Change Order Description  
 Change Order No. 7

Account Numbers for this Change Order:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Contractor 1471 McMahan Drive  
 PO Box 509  
 Neenah WI 54957

You are authorized and directed to make the following changes in this contract:

| Item No.  | Description  | Est. Qty | Unit | Unit Price | *N/B | Total        |
|---|--|----------|------|------------|------|--------------|
| 7A  | Add pressure gage to fluoride system               | 1.00     | LS   | 319.21     |      | 319.21       |
| 7B  | Hydrant extensions and storm manhole modifications | 1.00     | LS   | 2,083.52   |      | 2,083.52     |
| 7C  | Well Pump Hatch Relocation                         | 1.00     | LS   | 13,445.54  |      | 13,445.54    |
|   |  |          |      |            |      | 0.00         |
|   |  |          |      |            |      | 0.00         |
|   |  |          |      |            |      | 0.00         |
|   |  |          |      |            |      | 0.00         |
| Net Change Order  |  |          |      |            |      | 15,848.27    |
| The Original Contract Total                                     |  |          |      |            |      | 4,755,488.00 |
| Sum of previous Change Orders                                   |  |          |      |            |      | 56,591.19    |
| The new <b>Contract Sum</b> including this Change Order will be |  |          |      |            |      | 4,827,927.46 |

| This Contract is a:  | <input type="checkbox"/> Calendar Days | <input type="checkbox"/> Working Days | <input type="checkbox"/> Completion Date |
|--|--|---------------------------------------|--|
| Original Contract Time/Completion Date                         |  |                                       | June 1, 2015                             |
| Net Change in Contract Time by previous change order           |  |                                       | 15                                       |
| Contract Time/Completion Date prior to this change order       |  |                                       | June 16, 2015                            |
| Additional day(s) as a result of this Change Order             |  |                                       |  |
| Contract time/completion date as a result of this change order |  |                                       | June 16, 2015                            |

\* Mark if negotiated (N) or bid (B) unit price

Contractor's Acceptance  
 By David G. Voss Jr.  
 Title David G. Voss Jr., President  
 Date 6-12-15

City's Approval (see reverse side for instructions) Date  
 Construction Inspector RFR Andy M. Dailey 6/23/15  
 Construction Supervisor \_\_\_\_\_  
 Engineer [Signature] 7-1-15  
 Board of Public Works \_\_\_\_\_

ROUTING:  
 Marsha Hacker  
 Mike Dailey  
 Eng. Accounting

**City of Madison**  
**Department of Public Works**  
**Change Order to Public Works Contract Justification and Assessment**

Contract # 7265

Project Name: Unit Well 7 Reconstruction and Filter Addition

Change Order No. 7

Type of Change Order (circle all that apply):

Street      Sewer-Sanitary      Sewer-Storm      Water      Electrical

Change Order General Description (check all that apply):

- Actual vs. Estimated Quantities differ.
- Missing Bid Item or Additional Bid Item needed.
- Field Decision (Expanded Scope).
- Differing site conditions.
- Design did not adequately anticipate field conditions.
- Underground conflicts (utility revision)
- Other Scope changes – Unanticipated Conditions

Time Extension:     No     Yes(explanation): \_\_\_\_\_

**Engineer/Designer Comment: Suggestions to Avoid Future Change Orders of This Type:**

- 6A: Add a fluoride system pressure gage: DNR Code requires a pressure gage on the Fluoride feed system. This was inadvertently left off the drawings. A closer review of the design during final QC checks would have avoided the need for this change.
- 6B: Raise the site hydrant and adjust a storm manhole: Hydrant and manhole had to be extended to match grade. Coordination with the grading plan would have avoided the need for this change.
- 6C: Relocate the roof hatch for the Well Pump: The roof hatch was dimensioned incorrectly on the roof drawings resulting in it being offset from the well pump. This condition would make it difficult and possibly unsafe to remove the well pump for routine maintenance purposes. The required change will move the opening approximately 16" to the north to provide improved clearance for well pump work. A detailed review of the drawings with relationship to the well or use of a reference grid system would have avoided the need for this change.

Submitted by: Strand Associates – Andy Mullendore

Date: June 23, 2015

Reviewed and prepared by: Al Larson - MWU

Date: July 1, 2015

Designer: Strand Associates, Madison, WI

Water Utility Principal Engineer: 

Date: 7-1-15

City Engineer: \_\_\_\_\_

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



**Building Excellence**

**CHANGE ORDER REQUEST**

**Date:** June 3, 2015

**State/Federal Job#:**

**To:** Andy Mullendore  
Strand Associates Inc  
910 W Wingra Dr  
Madison, WI 53715

**Re:** Madison Unit Well 7 Reconstruction  
Madison, WI 53703  
Project #143330

**Notice of Change - PCI # PCI0032**  
**Rev #**

**Change Description:** Provide and install pressure gauge for fluoride system as requested by the Water Utility.

| <u>Contractor</u>                     | <u>Amount</u> |
|---------------------------------------|---------------|
| Monona Plumbing & Fire Protection Inc | \$301.00      |
| * SUB-TOTAL *                         | \$301.00      |
| Subcontractor Mark-up                 | \$15.05       |
| * SUB-TOTAL *                         | \$316.05      |
| Bond                                  | \$3.16        |
| ** TOTAL **                           | \$319.21      |

Impact Working Days:

All terms of our agreement apply and preclude Miron Construction Co., Inc. from performing any extra work without approval. Please provide your approval by signing this request.

Should you have any questions, please call me at (608) 203-2702.

Miron Construction Co., Inc.

*Thomas Zahalka*  
Thomas Zahalka, Project Manager

6/3/15  
Date



CHANGE ORDER REQUEST

Job # 143330  
PCI # PCI0032  
Andy Mullendore  
Page 2

Owner Directs Contractor:

- Approved – Proceed with the change described above. The contract will be adjusted by change order.
- Rejected – Do not proceed.

\_\_\_\_\_  
Owner Representative

\_\_\_\_\_  
Date

This quote expires on: 2015-06-24

cc: -

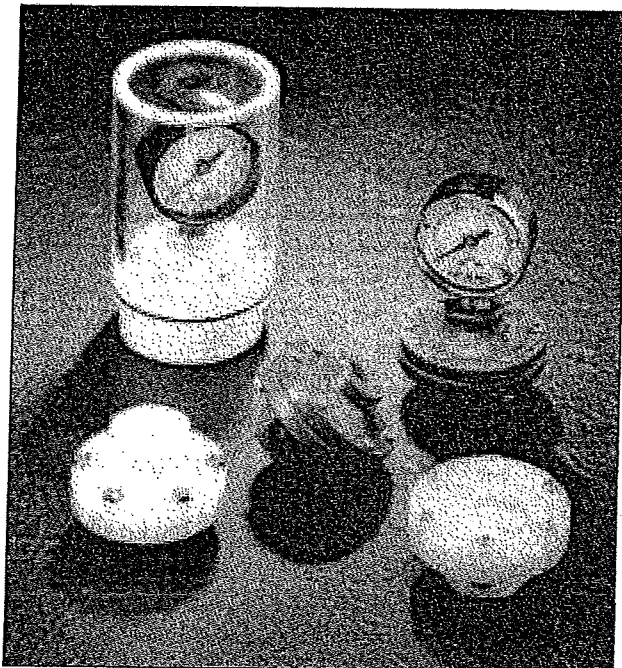


# PLAST-O-MATIC

## PRODUCT DATA

CATALOG GGM-6

### Chemical Gauge Guards, An Economical Way To Protect Instruments From Corrosion And Clogging... While Maintaining High Accuracy Resulting In Cost Savings and Assurance Of System Dependability Within An Operating Range of Full Vacuum To 200 PSI



#### Advantages of Plast-O-Matic's Gauge Guard (Diaphragm Seal):

- Offers an inexpensive initial investment.
- Reduces instrument failures.
- Reduces system down time.
- Eliminates the expense and extended delivery of special alloy instruments.
- Offers a choice of select plastic materials to assure maximum chemical and temperature compatibility.
- 1/2" NPT pipe connection x 1/4" or 1/2" NPT gauge connection.

#### Applications:

These chemical gauge guards should be utilized to isolate and protect pressure or vacuum instruments used on ultra-pure or highly corrosive fluid lines. They can be confidently used with liquids such as demineralized water, sulphuric acid, hydrochloric acid, and caustics or with gasses such as corrosive air and ammonia when such fluids will corrode metal instrument components. Use caution with chlorine applications and consult factory for recommendations. Utilization of Plast-O-Matic gauge guards offers the added advantage of protection against clogging of instruments caused by suspended solids or highly

viscous fluids. Furthermore, they eliminate dead pocket areas within instruments where chemicals or food could decompose. Plast-O-Matic gauge guards are available with or without gauges.

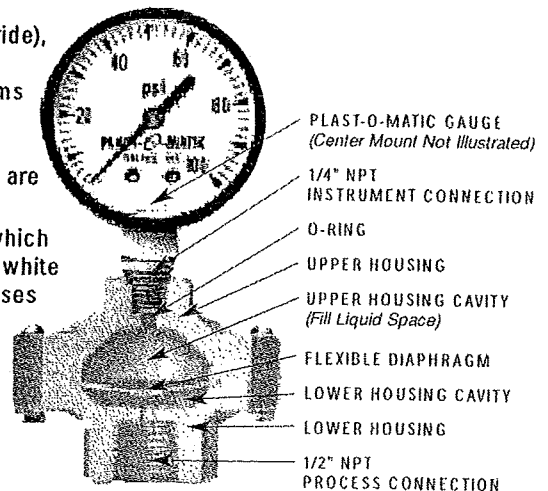
#### Materials of Construction:

Gauge guard housings are molded of Type 1, Grade 1 PVC (Polyvinyl Chloride), 20% glass-filled Polypropylene or Kynar® PVDF. When ordered with acrylic gauge shields they are available in PVC, Polypro, or PTFE. PTFE diaphragms are standard with all assemblies using gauges of 0-30 PSI and greater. For 0-15 PSI gauges and for vacuum gauges, elastomer diaphragms are used with Viton® FKM available as standard. O-ring seals are Buna-N. Fasteners are stainless steel.

Standard Plast-O-Matic gauges have drawn steel cases and friction rings which have an epoxy based enamel finish. Dials are steel with black markings on white backgrounds. Threaded connections are brass, pointers aluminum, and lenses heavy flat glass. Sensing elements are phosphor bronze bourdon tubes.

Gauge shields are manufactured of transparent acrylic. Standard O-ring seals are Buna-N, though other materials are optional.

Liquid used to solidly fill all Plast-O-Matic gauge guards and instruments is a highly refined temperature stable mineral oil that complies with FDA regulations 21 CFR 172.878, 178.3620, and 573.680.



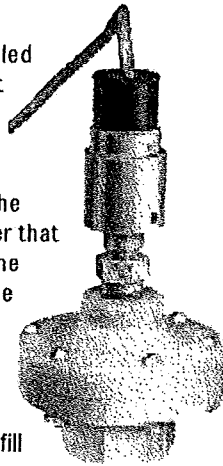
# PLAST-O-MATIC

VALVES, INC.

1384 Pompton Avenue, Cedar Grove, New Jersey 07009  
(973) 256-3000 • Fax (973) 256-4745 • [www.plastomatic.com](http://www.plastomatic.com)

### Operation:

A Plast-O-Matic gauge guard assembled with a pressure or vacuum instrument must be solidly filled with a suitable fill liquid. The resulting assembly is completely automatic with simplicity and dependability being the major benefits. The gauge guard diaphragm is a flexible barrier that prevents the process fluid from entering the instrument. Pressure on the process side of the diaphragm flexes it against the fill liquid transmitting the pressure to the instrument. Conversely, vacuum causes the diaphragm to flex in the opposite direction creating an equal vacuum in the fill liquid which actuates the instrument.



### Design:

Each Plast-O-Matic gauge guard features a durable and flexible diaphragm which serves as a protective barrier between the process fluid and instrument. The internal space on the instrument side of the diaphragm must be solidly filled with a suitable liquid in order to accurately transmit the process pressure to the instrument. Excellent flexing characteristics and a large sensing area (2.07 square inches) result in exceptional diaphragm response to low changes in pressure or vacuum. While PTFE diaphragms are standard, elastomer diaphragms are also available. This latter type is more sensitive and is used for vacuum or low pressure (0-15 PSI) applications. Another design feature is the volumetric capacity (1.03 Cu. In.) of the fill liquid side of diaphragm. This capacity, combined with flexible diaphragm, enables gauge guard to tolerate minor filling errors and minute air bubbles without loss of measuring accuracy. These chemical gauge guards are designed for a maximum working pressure of 200 PSI. Additionally, if an instrument were to fracture or be accidentally removed from the upper housing and cause the loss of fill liquid, the diaphragm is strong enough to prevent leakage for a short time, of the process fluid up to the diaphragm's rupture point of approximately 400 PSI. If this situation should occur, immediately remove all process pressure from the gauge guard and replace the diaphragm as it has been exposed to abnormal stretching. **Caution:** If this safety feature is important (as with dangerous fluids such as acids) then a minimum of a 4 time safety factor should be adhered to and the process fluid pressure kept to 100 PSI or lower.

A design is also available whereby the upper assembly consisting of the instrument, fill liquid, and upper housing may be removed as a unit for the purpose of cleaning the process fluid side of the diaphragm and lower housing cavity without having to refill or recalibrate the instrument. See "Removable Housing Design" section for details.

The Plast-O-Matic gauge guard is not designed with a fill-bleed port since it is not necessary with its flexible diaphragm design. See "Filling Information" section.

### Installation:

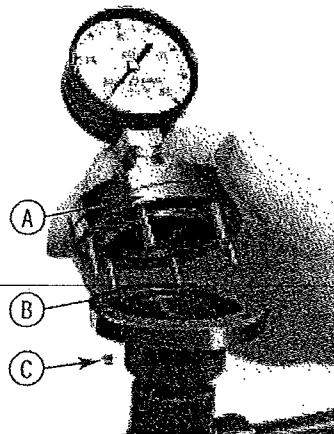
When Plast-O-Matic gauge guards are purchased with a gauge, install the assembly by simply connecting it to the process piping with a 1/2" NPT plastic nipple using PTFE tape or other acceptable pipe sealant to effect a seal. The assembly need only be made up hand-tight followed by a one-quarter turn more with a strap wrench or adjustable wrench. Do not overtighten or breakage will result. Do not use pipe wrenches and do not install with a metal pipe nipple which could cut into the plastic and cause a fracture.

When purchased without a gauge, consult the "Filling Information" section first. When assembling a gauge or other instrument make sure to only tighten the 1/4" NPT connection until it is snug against the O-ring seal, DO NOT exceed 30 in. lbs., and follow the installation method in the previous paragraph.

In applications where it is necessary to remotely mount the gauge guard from the instrument, a capillary tube must be used. If the tube's inside diameter is 1/4" or larger and is not longer than 5 feet, it may be filled with the instrument as an assembly. Please consult "Filling Information" section. If the tube's inside diameter is smaller than 1/4" or if its length is greater than 5 feet, consult factory for filling instructions.

### Removable Housing Design:

The optional Plast-O-Matic removable housing design is recommended for applications where it is desirable to periodically clean the diaphragm of food or chemicals that might decompose. It allows cleaning of the diaphragm and bottom housing without refilling or recalibrating the protected gauge or instrument. The cleaning process is possible only when there is no pressure or vacuum in the process line. While this removable housing design may be utilized with either lower or center back mounted gauges, it is not available with gauge shields. The gauge or instrument, fill liquid, diaphragm, and the upper housing to which they are attached can be removed without disconnecting the bottom housing from the process piping. This is achieved by loosening the 6 hex nuts (C) that hold the assembly together. Then remove the top housing by simply pulling it away from the lower housing. Since the 6 screws are threaded into the center retaining ring (A) the diaphragm and fill liquid will remain captured. When replacing the upper housing, care should be taken not to misalign the O-ring seal (B) located in the lower housing, otherwise leakage will result.

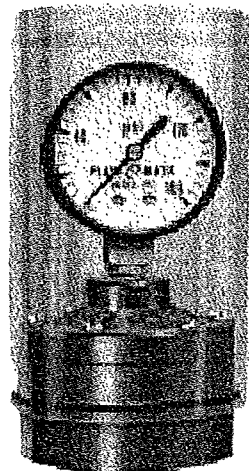
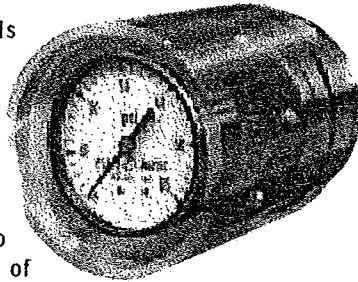


### "Snubber" Insert:

A recent Plast-O-Matic innovation is the addition of a "Snubber" insert. This optional feature is designed for insertion in the gauge connection. The insert reduces pressure pulsations, provides more accurate readings and reduces damage from excessive needle fluctuations.

### Gauge Shields:

Plast-O-Matic gauge guards are also available with transparent airtight and watertight acrylic shields to offer clear visibility while protecting metal gauges against corrosive atmospheres. They also eliminate the necessity of purchasing expensive stainless steel or similar metal gauges to withstand corrosive atmospheres. They can be utilized as a protective shield against gauge damage caused by external shocks. These shields completely enclose metal gauges and fasteners utilizing an O-ring seal. They can only be used with 2" diameter or smaller gauges and they cannot be used with Plast-O-Matic gauge guards with the removable housing design.



### Gauges:

Standard Plast-O-Matic gauges have 2" diameter faces and are available with either lower or center back mountings. As they also incorporate brass connections and steel cases it is recommended that acrylic gauge shields (see gauge shield section) be ordered if atmospheric corrosion is a concern. In general, the accuracy of standard Plast-O-Matic gauges when mounted to the Plast-O-Matic gauge guard assemblies and solidly filled is approximately 3%. For applications requiring extreme accuracy it is recommended that the assemblies be calibrated before installation to compensate for changes that may occur.

### Filling Information:



Plast-O-Matic gauge guards purchased with Plast-O-Matic gauges are factory filled. When purchased without a gauge, the installer must ensure that the upper gauge cavity and the gauge or instrument to be used must be solidly filled in order to accurately transmit the process line pressure or vacuum to the instrument. Air left in the fill liquid can give

inaccurate readings; however, the volumetric capacity of 1.03 cubic inches, in conjunction with the flexible diaphragm, enables the assembly to tolerate minor filling errors without loss of pressure measurement accuracy.

Excellent flexing characteristics of the Plast-O-Matic diaphragm allows for a simple filling method when the gauge guard is used with a Plast-O-Matic or similar gauge.

This is achieved by pouring the fill liquid into the upper housing cavity to the top of the threads. By tilting the housing in several positions the air should be worked up and out of the housing. The same procedure can be used on the gauge although a small probe may be necessary to help evacuate the air bubbles. Because of the O-ring seal, thread sealant is not required on the instrument connection before it is threaded into the 1/4" NPT upper gauge guard housing. The fill liquid that is displaced by the pipe threads during mounting will deflect the diaphragm and thus eliminate an initial reading on the gauge. If a slight reading is present on the gauge or instrument after assembly it can be zeroed out by simply bleeding off a small amount of the fill liquid. To do this, partially unscrew the instrument and push a blunt rod against the diaphragm. This will cause the fill liquid to bleed out of the threads. Allow only a small amount of bleeding to take place and retighten the instrument. If a very sensitive instrument is to be protected by a Plast-O-Matic chemical gauge guard the instrument should be filled by a vacuum evacuation method. DO NOT fill the gauge guard by evacuation as vacuum will cause too much deflection of the diaphragm creating abnormal stretching.

The instrument should have a small enough orifice to retain the fill liquid when it is faced downward to be threaded into the gauge guard. If not, it may be necessary to tap the instrument's orifice and screw in a reducing bushing with a small orifice. This bushing should be removed before filling the instrument and replaced after filling.

For more specific filling information refer to the filling instructions shipped with each Plast-O-Matic chemical gauge guard.

### Accessory Gauge Guard Fill Liquid:

Plast-O-Matic accessory fill liquid, available in 4 ounce bottles, is a highly refined mineral oil that complies with FDA regulations 21 CFR 172.878, 178.3620, and 573.680. It is temperature stable throughout our recommended temperature range, thus it will not cause errors in pressure measurement due to temperature differentials. It will remain stable indefinitely, and will not support anaerobic bacterial growth or react with the materials of the gauge guards or instruments. Plast-O-Matic fill liquid is recommended because its stability makes it more suitable than the other liquids for our range of applications, unless the mineral oil would have a dangerous reaction to the system fluid in the event of a diaphragm failure.

Standard gauge guards are designed with 1/4" NPT for instrument connection and 1/2" NPT for the system connection. Other combinations are available optionally. For pressure and temperature rating please refer to the Pressure Gauge Recommendations on page 4.



| Maximum Gauges (PSI) Recommended At Given Fluid Line Temperatures* |              |               |               |               |               |                |                |                |
|--|--------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|
| FLUID LINE TEMPERATURES**  | 77°F<br>22°C | 104°F<br>40°C | 140°F<br>60°C | 158°F<br>70°C | 185°F<br>85°C | 212°F<br>100°C | 239°F<br>115°C | 284°F<br>140°C |
| PVC<br>(Polyvinyl Chloride)  | 0-200 PSI    | 0-200 PSI     | 0-100 PSI     | N/R           | N/R           | N/R            | N/R            | N/R            |
| POLYPROPYLENE<br>(20% Glass Filled)                                | 0-160 PSI    | 0-160 PSI     | 0-160 PSI     | 0-100 PSI     | 0-60 PSI      | N/R            | N/R            | N/R            |
| PVDF<br>(Fluoropolymer)  | 0-200 PSI    | 0-160 PSI     | 0-130 PSI     | 0-100 PSI     | 0-75 PSI      | 0-50 PSI       | 0-40 PSI       | 0-30 PSI       |

\* Measurements conducted at a maximum ambient temperature of 80°F (26°C).  
 \*\* If actual fluid line temperature is in between listed ratings, use the next column to the right for maximum recommended gauge.

| Gauge Guards & Model Numbers |          |                                      |               |                              |                                     |  |
|------------------------------|----------|--------------------------------------|---------------|------------------------------|-------------------------------------|--|
| TYPE OF SERVICE              | FIG. NO. | AVAILABLE GAUGE RANGES AS SHOWN BARS |               | HOUSING MATERIALS            | DIAPHRAGM MATERIALS                 | GAUGE GUARD MODEL NUMBERS              |
| PRESSURE OR VACUUM           | 1        | WITHOUT GAUGE                        |               | PVC<br>POLYPROPYLENE<br>PVDF | PTFE<br>PTFE<br>PTFE                | GGMT1-PV**<br>GGMT1-PP**<br>GGMT1-PF** |
| VACUUM                       | 1        | 0 - 30" HG                           | 0 - 1.01 VAC. | PVC<br>POLYPROPYLENE<br>PVDF | VITON FKM<br>VITON FKM<br>VITON FKM | GGMV000-PV<br>GGMV000-PP<br>GGMV000-PF |
| PRESSURE                     | 1        | 0 - 15 PSI                           | 0 - 1.04      | PVC<br>POLYPROPYLENE<br>PVDF | VITON FKM<br>VITON FKM<br>VITON FKM | GGMV015-PV<br>GGMV015-PP<br>GGMV015-PF |
| PRESSURE                     | 1        | 0 - 30 PSI                           | 0 - 2.07      | PVC<br>POLYPROPYLENE<br>PVDF | PTFE<br>PTFE<br>PTFE                | GGMT030-PV<br>GGMT030-PP<br>GGMT030-PF |
| PRESSURE                     | 1        | 0 - 60 PSI                           | 0 - 4.14      | PVC<br>POLYPROPYLENE<br>PVDF | PTFE<br>PTFE<br>PTFE                | GGMT060-PV<br>GGMT060-PP<br>GGMT060-PF |
| PRESSURE                     | 1        | 0 - 100 PSI                          | 0 - 6.90      | PVC<br>POLYPROPYLENE<br>PVDF | PTFE<br>PTFE<br>PTFE                | GGMT100-PV<br>GGMT100-PP<br>GGMT100-PF |
| PRESSURE                     | 1        | 0 - 160 PSI                          | 0 - 11.04     | PVC<br>POLYPROPYLENE<br>PVDF | PTFE<br>PTFE<br>PTFE                | GGMT160-PV<br>GGMT160-PP<br>GGMT160-PF |
| PRESSURE                     | 1        | 0 - 200 PSI                          | 0 - 13.8      | PVC<br>POLYPROPYLENE<br>PVDF | PTFE<br>PTFE<br>PTFE                | GGMT200-PV<br>GGMT200-PP<br>GGMT200-PF |

FIGURE 1

FIGURE 2

FIGURE 3

FIGURE 4

\* For other diaphragm materials, please consult factory.  
 \*\* Viton FKM diaphragms used for additional sensitivity required on vacuum and low pressure (0-15 PSI) applications. When ordering Viton FKM in place of PTFE simply change the "T" in model number to "V".

**Additional Model Number Information**  
 If center back mounted gauge is ordered, conclude above model number with "-C" and use dimensional figure #2.  
 If a removable housing is ordered, conclude above model number with "-R" and add 1/4" to overall height of dimensional figure #1.  
 If both center back mounted gauge and removable housing are ordered, conclude above model number with "-CR" and add 1/4" to the overall height of dimension figure #2. Not available with Transparent Acrylic gauge shields.  
 If a Transparent Acrylic gauge shield is ordered, conclude above model number with "-S" and use dimensional figure #3.  
 If both center back mounted gauge and gauge shield are ordered, conclude above model number with "-CS" and use dimensional figure #4.

NOTE: For other gauge guard information refer to:  
 CATALOG GGME: Miniature Diaphragm Seal/Gauge Guard    Catalog GGMU: Ultra-Pure Gauge Guards

**PLAST-O-MATIC**  
 VALVES, INC.

1384 Pompton Avenue, Cedar Grove, NJ 07009  
 (973) 256-3000 • Fax (973) 256-4745  
 www.plastomatic.com • info@plastomatic.com

AUTHORIZED PLAST-O-MATIC DISTRIBUTOR



**Building Excellence**

### CHANGE ORDER REQUEST

**Date:** April 16, 2015

**State/Federal Job#:**

**To:** Andy Mullendore  
Strand Associates Inc  
910 W Wingra Dr  
Madison, WI 53715

**Re:** Madison Unit Well 7 Reconstruction  
Madison, WI 53703  
Project #143330

**Notice of Change - PCI # PCI0028**  
Rev #

**Change Description:** Site Plumbing Adjustments Caused by Elevation Discrepancies - It was determined in the field that the existing inlet that the storm connected to was about 2ft higher. Install hydrant extensions due to site grading elevations and elevations of the 16-inch and 12-inch water mains. Install MH sections and additional adjusting rings due to elevation bust on plans for storm pipe and manholes.

| <u>Contractor</u>                     | <u>Amount</u> |
|---------------------------------------|---------------|
| Monona Plumbing & Fire Protection Inc | \$1,964.66    |
| * SUB-TOTAL *                         | \$1,964.66    |
| Subcontractor Mark-up                 | 98.23         |
| * SUB-TOTAL *                         | \$2,062.89    |
| Bond                                  | 20.63         |
| ** TOTAL **                           | \$2,083.52    |

Impact Working Days:

All terms of our agreement apply and preclude Miron Construction Co., Inc. from performing any extra work without approval. Please provide your approval by signing this request.

Should you have any questions, please call me at (608) 203-2702.

Miron Construction Co., Inc.

*Thomas Zahalka*  
Thomas Zahalka, Project Manager

4/16/15  
Date



CHANGE ORDER REQUEST

Job # 143330  
PCI # PCI0028  
Andy Mullendore  
Page 2

Owner Directs Contractor:

- Approved – Proceed with the change described above. The contract will be adjusted by change order.
- Rejected – Do not proceed.

\_\_\_\_\_  
Owner Representative

\_\_\_\_\_  
Date

This quote expires on: 2015-05-07

cc: -











**Building Excellence.**

7C

### CHANGE ORDER REQUEST

Date: April 2, 2015

State/Federal Job#:

To: Andy Mullendore  
Strand Associates Inc  
910 W Wingra Dr  
Madison, WI 53715

Re: Madison Unit Well 7 Reconstruction  
Madison, WI 53703  
Project #143330

Notice of Change - PCI # PCI0022  
Rev #

Change Description: CPR-007 - Move Access Hatch to Center over Deep Well Pump. Building was laid-out based on well location, hatch location was incorrectly located in the contract drawings (per dimensions given).

| <u>Contractor</u>           | <u>Amount</u> |
|-----------------------------|---------------|
| Pieper Electric Inc         | \$812.00      |
| Hatch Building Supply Inc   | \$183.23      |
| Omni Glass & Paint Inc      | \$326.16      |
| Maly Roofing Co             | \$876.96      |
| Breuer Metal Craftsmen Inc  | \$0.00        |
| Spancrete Inc               | \$667.00      |
| Miron Construction Co, Inc. | \$8,959.82    |
| * SUB-TOTAL *               | \$11,825.17   |
| Miron Mark-up               | 1,343.97      |
| Subcontractor Mark-up       | 143.27        |
| * SUB-TOTAL *               | \$13,312.41   |
| Bond                        | 133.13        |
| ** TOTAL **                 | \$13,445.54   |

Impact Working Days:

All terms of our agreement apply and preclude Miron Construction Co., Inc. from performing any extra work without approval. Please provide your approval by signing this request.

Should you have any questions, please call me at (608) 203-2702.

Miron Construction Co., Inc.

*Thomas Zahalka*  
Thomas Zahalka, Project Manager

4/2/15  
Date





CHANGE ORDER REQUEST

Job # 143330  
PCI # PCI0022  
Andy Mullendore  
Page 2

Owner Directs Contractor:

- Approved – Proceed with the change described above. The contract will be adjusted by change order.
- Rejected – Do not proceed.

\_\_\_\_\_  
Owner Representative

\_\_\_\_\_  
Date

This quote expires on: 2015-04-23

cc: -

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**CHANGE ORDER SUMMARY**

Miron Construction Co. Inc.  
8215 Greenway Blvd.  
Suite 100  
Middleton, WI 53562  
 ATTENTION : Tom Zahalka

JOB NAME: Monroe WWTP  
 CHANGE ORDER NUMBER: 5  
 REVISION NUMBER:  
 DATE: 4/1/2015  
 JOB NO: 14076  
 CONTRACT NO: 143330  
 AMOUNT OF C/O: \$812

REGARDING YOUR REQUEST FOR QUOTATION:  
 Cost for work associated with CPR 007 - roof hatch relocation.

|          |                    |        |              |
|----------|--------------------|--------|--------------|
| SUMMARY: | A. LABOR           |        | \$619        |
|          | B. MATERIALS       |        | \$68         |
|          | C. DJE             |        | \$19         |
|          | SBO: YES           |        |              |
|          | SUBTOTAL           |        | \$706        |
|          | OVERHEAD & PROFIT  | 15.00% | \$106        |
|          | D. SUBCONTRACTS    |        | \$0          |
|          | OVERHEAD & PROFIT  | 5.00%  | \$0          |
|          | SUBTOTAL           |        | \$812        |
|          | BOND               |        | \$0          |
|          | INSURANCE          |        | \$0          |
|          | <b>GRAND TOTAL</b> |        | <b>\$812</b> |

ADDITIONAL CALENDAR DAYS EXTENDED TO CONTRACT COMPLETION DATE: 0

THIS AMOUNT ONLY COVERS THE DIRECT COSTS IN LABOR, MATERIALS, SUBCONTRACTS AND EQUIPMENT NECESSARY TO EXECUTE THE CHANGED WORK DESCRIBED IN THE PROPOSAL. AT THE PRESENT TIME, WE CANNOT ASSESS OR EVALUATE THE OVERALL IMPACT OF THE CHANGED WORK ON OUR ORIGINAL CONTRACT SCOPE OF WORK. WE THEREBY RESERVE OUR RIGHTS TO CLAIM FOR ANY INDIRECT COSTS WHICH MAY ARISE IN THE FUTURE AS A RESULT OF DELAYS TO THE WORK, OUT OF SEQUENCE WORK, INEFFICIENCIES, EXTENDED CONTRACT COMPLETION, LABOR AND MATERIAL ESCALATION AND/OR ACCELERATION AND EXTENDED WARRANTIES.

*This price is valid for 14 days.*

This form was approved:

| JOB         | NUMBER | C.O. NO | DATE     | REVISION |
|-------------|--------|---------|----------|----------|
| Monroe WWTP | 14076  | 5       | 1-Apr-15 |          |

**A. LABOR**

|                  |         |         |                    |                 |
|------------------|---------|---------|--------------------|-----------------|
| *SUPER INTENDENT | 1 HRS @ | \$89.70 | TOTAL              | \$89.70         |
| ** SUPERVISOR    | 0 HRS @ | \$81.34 | TOTAL              | \$0.00          |
| *** SAFETY       | 1 HRS @ | \$79.29 | TOTAL              | \$79.29         |
| ELECTRICIAN      | 6 HRS @ | \$75.07 | TOTAL              | \$450.42        |
| ESTIMATOR        | 0 HRS @ | \$58.62 | TOTAL              | \$0.00          |
| ENGINEER         | 0 HRS @ | \$50.00 | TOTAL              | \$0.00          |
|                  | @       |         | TOTAL              | \$0.00          |
|                  | @       |         | TOTAL              | \$0.00          |
|                  | @       |         | TOTAL              | \$0.00          |
| TRAVEL           | @       |         | TOTAL              | \$0.00          |
| SUBSISTENCE      | @       |         | TOTAL              | \$0.00          |
| PREMIUM COSTS    |         |         | TOTAL              | \$0.00          |
|                  |         |         | <b>LABOR TOTAL</b> | <b>\$619.41</b> |

**B. MATERIALS**

|                                |  |       |                       |             |
|--------------------------------|--|-------|-----------------------|-------------|
| MATERIAL PER "TAKE-OFF"        |  |       | TOTAL                 | \$66        |
| MISCELLANEOUS MATERIAL & WASTE |  | 3.00% | TOTAL                 | \$2         |
|                                |  |       | <b>SUBTOTAL</b>       | <b>\$68</b> |
| <hr/>                          |  |       |                       |             |
| FREIGHT AND HANDLING           |  |       | TOTAL                 | \$0         |
| SPECIAL EXPEDITING             |  |       | TOTAL                 | \$0         |
| SALES TAX                      |  | 0.0%  | TOTAL                 | \$0         |
|                                |  |       | <b>MATERIAL TOTAL</b> | <b>\$68</b> |

\*SUPER INTENDENT - 6% OF TOTAL MAN HOURS  
 \*\* SUPERVISOR - 12 % OF TOTAL MAN HOURS  
 \*\*\* SAFETY - 3 % OF TOTAL MAN HOURS







# Quotation

Quote Number: 8947  
 Quote Date: Apr 2, 2015  
 Page: 1

Hatch Building Supply, Inc. Phone: (608) 222-0011  
 5601 Manufacturers Dr. Fax: (608) 222-1797  
 Madison, WI 53704

| Quoted To:   |
|--|
| MIRON CONSTRUCTION<br>PO BOX 509<br>1471 MCMAHON DRIVE<br>NEENAH, WI 54957 |

| Job Name/Location:                            |
|---|
| WELL HOUSE NO 7<br>SHERMAN AVE<br>MADISON, WI |

| Quoted Prices Good Through | Quoted By |
|----------------------------|-----------|
| May 2, 2015                | MG        |

| Quantity | U/M    | Item   | Description   | Unit Price | Amount |
|----------|--------|--------|---|------------|--------|
| 0.17     | <Each> | 410HSC | CPR007R1<br>CONCRETE REINFORCING FOR WELL ACCESS OPENING<br>RELOCATION  | 1,026.4600 | 174.50 |
|          | <Each> | 112    | PROPOSAL QUALIFICATIONS.  |            |        |
|          | <Each> | 112A   | A.) Quote is based on quantities shown herein. deviation from<br>quantities in part or in whole may affect final costs.                                 |            |        |
|          | <Each> | 112B   | B.) Hatch Building Supply is a supplier of material. therefore is<br>NOT subject to retainage.  |            |        |
|          | <Each> | 112C   | C.) EXCLUDES SHOP DRAWINGS  |            |        |
|          | <Each> | 112D   | D.) Rebar fabrication is based upon current inventories.<br>production schedules and is subject to change.  |            |        |
|          | <Each> | 112E   | E.) Fabrication lead time - Call Hatch Building Supply. Lead times<br>are based off of current schedules and are subject to change on<br>a daily basis. |            |        |
|          | <Each> | 112F   | F.) EXCLUDES ALL accessories. epoxy coated reinforcing<br>material. smooth dowels and supports.   |            |        |
|          | <Each> | 112G   | G.) Single delivery to job-site included.   |            |        |

PAYMENT TERMS: NET 30 DAYS

Please sign and date below for your authorization to proceed with the above work. Please  
 include any Purchase Order required by Buyer with approval of bid.  
 See the attached document of Hatch Building Supply, Inc standard payment terms and  
 conditions.

|              |               |
|--------------|---------------|
| Subtotal     | 174.50        |
| Sales Tax    | 8.73          |
| Freight      |               |
| <b>TOTAL</b> | <b>183.23</b> |

Buyer: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
 Seller: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

## Jennifer Tomazevic

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**From:** Tom Zahalka  
**Sent:** Wednesday, April 01, 2015 5:08 PM  
**To:** Rich Laudolff; Jennifer Tomazevic; Jeanne Giesen  
**Subject:** FW: 143330 Madison Unit Well #7: PCI 22 / CPR-007 pricing request

Omni Paint price....

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**From:** Karl Keas  
**Sent:** Wednesday, April 01, 2015 5:00 PM  
**To:** Tom Zahalka  
**Subject:** RE: 143330 Madison Unit Well #7: PCI 22 / CPR-007 pricing request

Tom- Our pricing came to \$326.16

Labor: 294.16  
Material: 32.00

**Karl Keas, PCS**  
*Vice President*

**Omni Glass & Paint, Inc.**  
P 920-420-1027 | F 920-236-2453  
3530 Omni Drive, Oshkosh WI 54903  
[kkeas@omnigp.com](mailto:kkeas@omnigp.com)

 Please consider the environment before you print this e-mail.

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**From:** Tom Zahalka [<mailto:Tom.Zahalka@Miron-Construction.com>]  
**Sent:** Wednesday, April 01, 2015 7:50 AM  
**To:** Robert Leffel  
**Cc:** Karl Keas  
**Subject:** RE: 143330 Madison Unit Well #7: PCI 22 / CPR-007 pricing request

Bob,

Understood, the pricing exercise was more for Omni Paint. As long as we can be sure to get a price from Karl, we'll be good.

Thanks!

**Tom Zahalka, LEED® AP**  
*Project Manager*

**Miron Construction Co., Inc.**  
D 608.203.2702 | F 608.203.2200  
C 920.740.4593 | [tom.zahalka@miron-construction.com](mailto:tom.zahalka@miron-construction.com)  
8215 Greenway Blvd. Suite 100 | Middleton, WI 53562  
[www.miron-construction.com](http://www.miron-construction.com)

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**From:** Bob Leffel  
**Sent:** Tuesday, March 31, 2015 6:40 PM  
**To:** Tom Zahalka  
**Subject:** FW: 143330 Madison Unit Well #7: PCI 22 / CPR-007 pricing request

Tom,

There will be no change in our glazing contract as this does not affect our scope of work.

Thank you,

Robert Leffel  
Omni Glass and Paint  
5304 Schofield Ave. PO Box 348  
Schofield, WI 54476  
Phone: 715-355-8938  
e-mail: [rleffel@omnigp.com](mailto:rleffel@omnigp.com)

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**From:** Jeanne Giesen [<mailto:Jeanne.Giesen@Miron-Construction.com>]  
**Sent:** Tuesday, March 31, 2015 7:23 AM  
**To:** 'alex.koenig@pieperpower.com'; Ben Breuer; Dave Valdez; Terry Theis; Robert Leffel; 'sciachitano@netwurx.net'; Clinton Krell; 'matt.hamilton@usfp.us'  
**Cc:** David Voss III; Jennifer Tomazevic; Tom Zahalka  
**Subject:** 143330 Madison Unit Well #7: PCI 22 / CPR-007 pricing request

**PROJECT MODIFICATION  
PROPOSAL REQUEST**

**PRICING FOR THIS MODIFICATION IS NEEDED NO LATER THAN: 4/03/15**

**DESCRIPTION OF CHANGE: Please provide pricing for PCI 22 / CPR-007 – Move access hatch to center over deep well pump.**

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In an attempt to expedite changes, we ask that you provide a detailed labor, material and equipment breakout. Furnishing this information will accelerate the approval process. It is recommended to use the attached form when providing your cost; however it is not mandatory.

NOTE: If no response is received within the allotted time provided, Miron will proceed with pricing. If you have any questions, please contact Tom Zahalka.

Thank you!

**Jeanne L. Giesen**, LEED Green Associate  
*Project Administrator*

**Miron Construction Co., Inc.**  
P 920.969.7382 | F 920.969.7393 | [jeanne.giesen@miron-construction.com](mailto:jeanne.giesen@miron-construction.com)  
1471 McMahon Drive | Neenah, WI 54956  
[www.miron-construction.com](http://www.miron-construction.com)





# Potential Cost Impact (PCI) Proposal Request

PROJECT NAME: Madison Unit Well #7  
Madison, WI

PROJECT NUMBER: 143330  
DATE: 3/31/2015  
PCI #: 22

To: Jeanne Giesen/Tom Zahalka

Email:  
Phone:

PRICING FOR PCI  
DUE BY 4/03/15

Description: Please provide pricing to move access hatch to center over deep well pump, per CPR-007 (attached).

*Maly*

### Self-Performed Work:

| Description                                       | Quantity | Labor       |             |             | Materials Total | Equipment |       | Totals |
|---|----------|-------------|-------------|-------------|-----------------|-----------|-------|--------|
|   |          | Total Hours | Hourly Rate | Total Labor |                 | Type      | Total |        |
| 1 Infill Roofing at Moved Curb                    | 1        | 2           | 73.5        | 147         | 121.32          |           |       | 268.32 |
| 2 Reflash Concrete Curb into existing roof system | 1        | 4           | 73.5        | 294         | 161.42          |           |       | 455.42 |
| 3 Mobilization                                    | 1        | 1           | 73.5        | 73.5        | 0               |           |       | 73.5   |
| 4   |          |             |             |             |                 |           |       | 0      |
| 5   |          |             |             |             |                 |           |       | 0      |
| Subtotal  |          |             |             |             |                 |           |       | 797.24 |
| Overhead Profit & Markup 10%                      |          |             |             |             |                 |           |       | 79.72  |
| Total Contractor cost with markup                 |          |             |             |             |                 |           |       | 876.96 |

### Sub-Tier Subcontractors:

| Description                          | Quantity | Total Hours | Hourly Rate | Total Labor | Material | Equip. Total   |              |        |
|--------------------------------------|----------|-------------|-------------|-------------|----------|----------------|--------------|--------|
|                                      |          |             |             |             |          | Equipment Type | Equip. Total |        |
| 1                                    |          |             |             |             |          |                | 0            |        |
| 2                                    |          |             |             |             |          |                | 0            |        |
| 3                                    |          |             |             |             |          |                | 0            |        |
| Subtotal                             |          |             |             |             |          |                |              | 0      |
| Subcontractor markup ( )             |          |             |             |             |          |                |              | 0      |
| Total Subcontractor cost with markup |          |             |             |             |          |                |              | 0      |
| Total                                |          |             |             |             |          |                |              | 876.96 |

Schedule Impact:  Days: Calendar / Working (Circle One)

PM / PAct Name  
Project Manager / Project Admin  
Tom Zahalka / Jeanne Giesen  
cc: File  
Jobsite

Additional Comments:

Breuer  
PC1022

**Jennifer Tomazevic**

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**From:** Jeanne Giesen  
**Sent:** Tuesday, March 31, 2015 8:36 AM  
**To:** Tom Zahalka; Jennifer Tomazevic  
**Subject:** FW: CPR-007 pricing  
**Attachments:** CPR-007.pdf

For you...

**Jeanne L. Giesen**, LEED Green Associate  
*Project Administrator*

**Miron Construction Co., Inc.**  
P 920.969.7382 | F 920.969.7393 | [jeanne.giesen@miron-construction.com](mailto:jeanne.giesen@miron-construction.com)  
1471 McMahon Drive | Neenah, WI 54956  
[www.miron-construction.com](http://www.miron-construction.com)

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**From:** Joe Hartl  
**Sent:** Tuesday, March 31, 2015 8:27 AM  
**To:** Jeanne Giesen  
**Cc:** Rich Laudolff  
**Subject:** CPR-007 pricing

Morning Jeanne,

Breuer Metal had supplied this hatch cover and wall liner... if using Rich's idea the whole unit will shift over and nothing new should be required from us...

Joe Hartl, ext 117  
Project Manager

Breuer Metal Craftsmen, Inc.  
500 Beichl Avenue  
Beaver Dam, WI 53916

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Ph. 920-885-2828  
Fx. 920-885-2835  
[joe@breuermetal.com](mailto:joe@breuermetal.com)  
[www.breuermetal.com](http://www.breuermetal.com)

SPANCRETE®  
N16 W23415 STONERIDGE DRIVE  
WAUKESHA, WI 53188 USA  
P.O. BOX 828  
WAUKESHA, WI 53187 USA  
PHONE: 414.290.9000  
FAX: 414.290.9130

WWW.SPANCRETE.COM



**CHANGE ORDER**

**TO:** Miron Construction Co., Inc.  
PO Box 509  
Neenah, WI 54957-0509

**PROJECT NO.:** 11444

**DATE:** 3/31/2015

**PROJECT:** Madison Well No. 7

**CHANGE ORDER NO.:** 01

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This change order covers the following scopes of work:

To provide two (2) headers approx. 8' long. Opening would be 72 "x 86" the new headers would be for the 86" length.  
FOB Jobsite ASAP.

---

Contract Sum will be modified in the amount of: **\$667.00**

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It is hereby mutually agreed that when this change order has been signed or otherwise accepted by both contracting parties, the described changes in the work required by the contract shall be executed by Spancrete without changing the terms of the contract except as herein stipulated and agreed.

**ACCEPTED:**  
SPANCRETE

\_\_\_\_\_  
BY: (Signature)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
Date

**ACCEPTED:**  
Miron Construction Co., Inc.

\_\_\_\_\_  
BY: (Signature)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
Date



Project No.  
 Project Name:  
 Desc of C/O:  
 Prepared by:  
 Date:

143330  
 Madison Link Well 7 Reconstruction & Filter Addition  
 C/P#-007 - Move Hatch over Deep Well Pump to Center  
 Tom Zahalka - Project Manager  
 4/2/15

Project Modification Internal  
 Pricing Worksheet

Labor Rate: Madison Equip  
 Equip Rate:  
 Inflation: 0%  
 Inflation: 0%



| ID | Division | Phase Code | Item Description  | Cont. Type | Quantity | Unit of Measure | Labor Rate     |           |             |           | Labor       |          | Materials       |       | Equipment      |               | Total |           |       |  |
|----|----------|------------|---|------------|----------|-----------------|----------------|-----------|-------------|-----------|-------------|----------|-----------------|-------|----------------|---------------|-------|-----------|-------|--|
|    |          |            |   |            |          |                 | Hours Per Unit | Hour Type | Total Hours | Rate Type | Hourly Rate | Total \$ | Unit Cost       | Total | Equipment Type | Billing Usage |       | Unit Cost | Total |  |
| 1  |          |            | Install Temporary Enclosure around area - (2 men for 4 hrs)     | L          | 0.50     | EA              | 4.00           | Reg       | 2.00        | CAMP      | 80.18       | \$       | 160.36          |       |                |               | \$    | 160.36    |       |  |
| 2  |          |            | 1 roll visqueen (wrapped around shoring)                        | L          | 0.50     | EA              | 4.00           | Reg       | 2.00        | CAMPSP    | 95.20       | \$       | 190.40          |       |                |               | \$    | 190.40    |       |  |
| 3  |          |            | Demolish CMU parapet, remove hand & installed cover framing     | M          | 1.00     | EA              | 24.00          | Reg       | 12.00       | CAMP      | 80.18       | \$       | 962.16          |       |                |               | \$    | 962.16    |       |  |
| 4  |          |            | Shoring of Precast  | L          | 0.50     | EA              | 8.00           | Reg       | 4.00        | CAMP      | 80.18       | \$       | 320.72          |       |                |               | \$    | 320.72    |       |  |
| 5  |          |            | Cut Existing Precast Plank (south side of opening)              | L          | 0.50     | EA              | 8.00           | Reg       | 4.00        | CAMPSP    | 95.20       | \$       | 380.80          |       |                |               | \$    | 380.80    |       |  |
| 6  |          |            | Install precast headers   | L          | 0.50     | EA              | 8.00           | Reg       | 4.00        | CAMP      | 80.18       | \$       | 320.72          |       |                |               | \$    | 320.72    |       |  |
| 7  |          |            | Dowel rebar into existing plank                                 | L          | 0.50     | EA              | 3.00           | Reg       | 1.50        | CAMPSP    | 95.20       | \$       | 142.80          |       |                |               | \$    | 142.80    |       |  |
| 8  |          |            | Form, Rebar, Pour, Finish, Strip Monolithic new plank & parapet | L          | 0.50     | EA              | 26.00          | Reg       | 13.00       | CAMP      | 80.18       | \$       | 1,042.34        |       |                |               | \$    | 1,042.34  |       |  |
| 9  |          |            | Reinstall insulated framing and roof hatch                      | L          | 0.50     | EA              | 26.00          | Reg       | 13.00       | CAMPSP    | 95.20       | \$       | 1,237.60        |       |                |               | \$    | 1,237.60  |       |  |
| 10 |          |            | Concrete Material (2 yards)                                     | M          | 2.00     | CF              | 3.00           | Reg       | 1.50        | CAMP      | 60.18       | \$       | 90.27           |       |                |               | \$    | 90.27     |       |  |
| 11 |          |            | Concrete Material (Paritoad charge for \$100)                   | M          | 1.00     | EA              | 3.00           | Reg       | 1.50        | CAMP      | 60.18       | \$       | 90.27           |       |                |               | \$    | 90.27     |       |  |
| 12 |          |            | Form-Phy  | M          | 4.00     | EA              | 3.00           | Reg       | 1.50        | CAMPSP    | 95.20       | \$       | 142.80          |       |                |               | \$    | 142.80    |       |  |
| 13 |          |            | 2x4x16  | M          | 20.00    | EA              | 3.00           | Reg       | 1.50        | CAMP      | 60.18       | \$       | 90.27           |       |                |               | \$    | 90.27     |       |  |
| 14 |          |            | Concrete Saw  | E          | 8.00     | HR              | 3.00           | Reg       | 1.50        | CAMPSP    | 95.20       | \$       | 142.80          |       |                |               | \$    | 142.80    |       |  |
| 15 |          |            | Skytrack  | E          | 16.00    | HR              | 3.00           | Reg       | 1.50        | CAMPSP    | 95.20       | \$       | 142.80          |       |                |               | \$    | 142.80    |       |  |
| 16 |          |            |   |            |          |                 |                |           |             |           |             |          |                 |       |                |               |       |           |       |  |
|    |          |            |   |            |          |                 |                |           |             |           |             |          | Total Labor     | \$    | 6,839.82       |               |       |           |       |  |
|    |          |            |   |            |          |                 |                |           |             |           |             |          | Total Material  | \$    | 794.00         |               |       |           |       |  |
|    |          |            |   |            |          |                 |                |           |             |           |             |          | Sales Tax @ 0%  | \$    |                |               |       |           |       |  |
|    |          |            |   |            |          |                 |                |           |             |           |             |          | Total Equipment | \$    | 1,326.00       |               |       |           |       |  |
|    |          |            |   |            |          |                 |                |           |             |           |             |          | Total Miron C/O | \$    | 8,959.82       |               |       |           |       |  |

Labor Rates Good Through May 31, 2015