

**DeLUCA HOFFMAN ASSOCIATES, INC.
CONSULTING ENGINEERS**

778 MAIN STREET
SUITE 8
SOUTH PORTLAND, MAINE 04106
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Site Visit Week of: December 13 – 17, 2010		Job No.: 1599.52.02
Project: Saco Central Fire Station		
Location: Saco, Maine		
Contractor: Pizzagalli Corp.	Owner: City of Saco	
Present at Site:		
Joe Newton, DeLuca-Hoffman Associates, Inc.		
G. Richards, Pizzagalli Corp.		

TO:

Bob Hamblen – City of Saco
Angela Blanchette – City of Saco
John Duross – Saco Fire Department
Ed Dube – Saco Fire Department
Grit Richards – Pizzagalli Corp.

- **Titan Mechanical Co.** was on site with the following personnel:

Personnel

- 1 – Foreman
- 7 – Plumbers

- **Dirago Drywall Co.** was on site with the following personnel and equipment:

Personnel

- 1 – Foreman
- 7 – Sheet rockers/tapers

Equipment

- 1 – Forklift
- 1 – High Personnel Lift

- **B.H. Milliken Electrical Co.** was on site with the following personnel and equipment:

Personnel

- 1 – Foreman
- 5 – Electricians
- Brian Milliken

Equipment

- 2 – Scissor lifts

- **Overhead Door Co.** was on site with the following personnel:

Personnel

- 1 – Foreman
- 1 – Mechanic

- **Nate Libby Masonry Construction Co.** was on site with the following personnel and equipment:

Personnel

- 2 – Tenders

Equipment

- 1 – CAT High Forklift

- **Maine Tech Air** was on site with the following personnel:

Personnel

- 1 - Foreman
- 2 – Sheet Metal Workers

- **Hi Tech Insulators** was on site with the following personnel:

Personnel

- 1 – Foreman
- 1 – Insulator

During the on-site construction inspection, the following items were observed:

December 13, 2010

- Titan Mechanical Co. crew installed plumbing vent piping and heating supply and return piping in the first floor Administration area; installed heating supply and return piping in the second floor Administration area. Refer to Photo 1 (1400).
- B.H. Milliken Electrical Co. crew pulled wires to the electrical panels, emergency generator, transformer pad and to the Communications building. Refer to Photo 2 (1387).
- Nate Libby Masonry Construction Co. crew power washed the exterior brick veneer of the fire station building. Refer to Photo 3 (1396).
- Dirago Drywall Co. crew installed sheet rock and taped and mudded joints in the first floor Administration area. Refer to Photo 4 (1395).
- Overhead Door Co. crew installed overhead door tracks and operators on the west wall of the Apparatus Bay. Refer to Photo 5 (1389).
- Maine Tech Air Co. crew sealed duct work and relocated a duct branch tap in the first floor Administration area. Refer to Photo 6 (1399).
- Hi Tech Insulation Co. crew insulated duct work in the first floor Administration area. Refer to Photo 7 (1392).
- Pizzagalli Corp Co. crew (3 carpenters) placed concrete in an equipment pad in the mechanical room and placed concrete in a deck opening in the second floor day room area. Refer to Photo 8 (1401).

December 14, 2010

- Titan Mechanical Co. crew installed geo-thermal piping in the mechanical room; installed vent piping in the second floor Administration area; installed domestic plumbing piping and tested heating supply and return piping with 100 PSI air (passed test) in the first floor Administration area. Refer to Photo 9 (1430).
- BH Milliken Electrical Co. crew completed terminations to the emergency generator, main power panel and sub panels throughout the Administration area. Refer to Photo 10 (1422).
- Dirago Drywall Co. crew installed ceiling framing in the second floor Administration area; sprayed final EFIS cornice coating on the west wall roof area; sheet rocked the training room; taped and mudded joints in the first floor Administration area. Refer to Photo 11 (1417).
- Overhead Door Co. crew installed weather seals on the overhead door openings in the Apparatus Bay. Refer to Photo 12 (1416).
- Hi Tech Insulation Co. crew insulated the heating supply and return piping in the first floor Administration (only tested main piping).
- SMR Roofing Co. crew (foreman, 3 roofers) installed flashing along the roof parapet in the Administration area and Chem Sealed around the heating roof penetrations. Refer to Photo 13 (1427).
- Glass Pro Co. crew (foreman, 2 mechanics) installed the door on the training room and patio; assembled the stone front entrance door, but set aside as concrete needs to be added to the slab to support the frame. Refer to Photo 14 (1423).
- Pizzagalli Corp. Co. crew fabricated the structural reinforcing for the sign base.

December 15, 2010

- Titan Mechanical Co. crew installed vent piping in the second floor Administration area; installed heating supply and return piping in the first and second floor Administration areas; installed mechanical piping in the mechanical room.
- BH Milliken Electrical Co. crew terminated wiring in electrical panels; installed conduit for the sump pump in the elevator pit; installed conduit with wires in the second floor Administration area. Refer to Photo 15 (1436).
- Dirago Drywall Co. crew sanded walls and mudded and taped joints in the first floor Administration area; installed sheet rock in the training room; framed ceilings in the second floor Administration area. Refer to Photo 16 (1442).
- Nate Libby Masonry Construction Co. crew (foreman, 2 masons, 2 tenders) installed filler concrete bricks around the structural truss pockets in the Apparatus Bay and in the rooms under the Mezzanine. Refer to Photo 17 (1448).
- Overhead Door Co. crew installed door operators for the doors in the Apparatus Bay.
- Peters Construction Co. (foreman, 1 operator, 1 truck driver) excavated for the sign base, raised valve gate boxes and augured holes for the bicycle bollards at the Administration area entrance. Refer to Photo 18 (1449).
- Pro Glass Co. crew (foreman, 2 mechanics) installed door frames and doors and set the front entrance frame in the Administration area.
- Davis Erectors Co. crew (1 welder) repaired handrails in the stairway. Refer to Photo 19 (1453).
- Pizzagalli Crop Co. crew (2 carpenters) installed the form for the display of the fire wagon and placed concrete in the sign base form and pad for the fire wagon display. Refer to Photo 20 (1461).

December 16, 2010

- Titan Mechanical Co. crew installed chilled water and return piping in the first floor Administration area; installed heating control valves and piping in the second floor Administration area; installed vent piping in the first and second floor Administration areas. Refer to Photo 21 (1466).
- BH Milliken Electrical Co. crew terminated wires to the main power panel from the emergency transfer switch; installed conduit with wires in the second floor Administration area; terminated wires to the elevator control panel. Refer to Photo 22 (1469).
- Dirago Drywall Co. crew sanded sheet rock in the first floor Administration area; framed walls and ceilings and installed sheetrock in the second floor Administration area. Refer to Photo 22 (1472).
- Nate Libby Masonry Construction Co. crew installed concrete bricks around structural supports in the Mezzanine area; rubbed walls in the Mezzanine area and up approximately 4' to 5' between the overhead doors.
- Davis Erectors Co. crew welded anchors on the canopy over the bathroom and exterior door for the stairway at the east wall of the Administration area. Refer to Photo 24 (1485).
- Glass Pro Inc. Co. crew installed the stone front entrance door frame and glazing.
- Scott Grant caulked exterior brick veneer construction joints.
- Pizzagalli Corp. Co. crew built the sign base forms, placed reinforcing steel, and poured concrete in the base form: crew also installed bicycle bollards.

December 17, 2010

- Titan Mechanical Co. crew tested the domestic piping in the wall frames in the second floor Administration area; installed heating supply and return piping in the first floor Administration area. City Inspector approved plumbing testing. Refer to Photo 25 (1499).

- BH Milliken Electrical Co. crew terminated wires to the main power panel, emergency transfer panel; installed conduit with wires and electrical boxes in the second floor Administration area.
- Nate Libby Masonry Construction Co. crew removed the cement silo equipment, removed wall sleeve and patched wall along 'C' line, and cleaned up silo area.
- Dirago Drywall Co. crew sanded walls in the first floor Administration area; installed upper sheet rock and framed ceilings in the second floor Administration area. Refer to Photo 26 (1498).
- SMR Roofing Co. crew (foreman, 3 roofers; crane and crane operator) installed the skylight in the gym area. Refer to Photo 27 (1504).
- Pizzagalli Corp Co. crew stripped the sign base concrete forms and covered with thermal blankets.
- Scott Grant caulked exterior control joints in the brick veneer.



Photo 1 (1400): Shows Titan Mechanical Co. crew installing hot and cold water piping to the bathrooms in the second floor Administration area.



Photo 2 (1387): Shows BH Milliken Electrical Co. crew pulling wires to the emergency generator, electrical panels, etc.



Photo 3 (1396): Shows Nate Libby Masonry Construction Co. crew power washing the brick veneer of the fire station building.



Photo 4 (1395): Shows Dirago Drywall Co. crew taping and mudding joints in the sheet rock in the first floor Administration area.

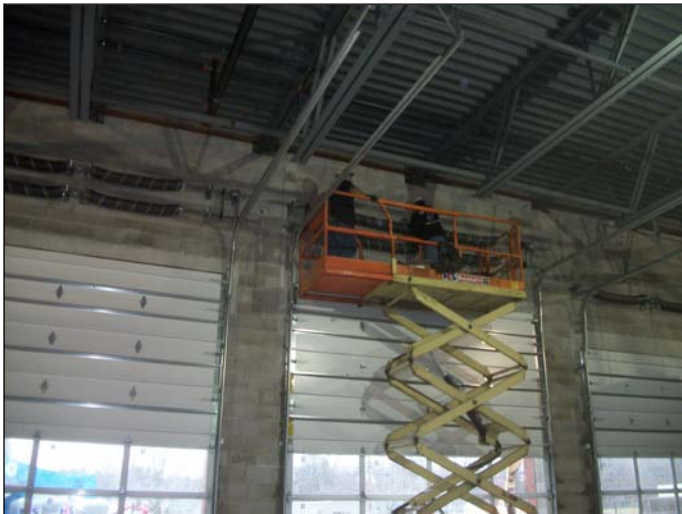


Photo 5 (1389): Shows Overhead Door co. crew installing the overhead door spring operation system.



Photo 6 (1399): Shows Maine Tech Air sealing duct work in the first floor Administration area.



Photo 7 (1392): Shows Hi Tech Insulation Co. crew insulating the duct work in the first floor Administration area.



Photo 8 (1401): Shows Pizzagalli Corp. Co. crew placed concrete in an opening in the slab of the day room.



Photo 9 (1430): Shows Titan Mechanical Co. crew installing vent piping in the second floor Administration area bathrooms.



Photo 10 (1422): Shows BH Milliken Electrical Co. crew terminating wires to the emergency generator.



Photo 11 (1417): Shows Dirago Drywall Co. crew installing sheet rock in the training room.



Photo 12 (1416): Shows Overhead Door Co. crew installing weather seals on the overhead door openings.



Photo 13 (1427): Shows SMR Roofing Co. crew installing flashing on the roof parapet.



Photo 14 (1423): Shows Glass Pro Co. crew installed the aluminum door to the training room.



Photo 15 (1436): Shows BH Milliken Electrical Co. crew terminating wires in a panel in the electrical room.



Photo 16 (1442): Shows Dirago Drywall Co. crew sanding the mudded joints in the first floor Administration area.



Photo 17 (1448): Shows Nate Libby Masonry Construction Co. crew installing brick in the pockets for structural trusses in the rooms under the Mezzanine.



Photo 18 (1449): Shows Peters Construction Co. crew excavating for the sign base.



Photo 19 (1453): Shows Davis Erectors Co. crew repairing handrails in the stairway.



Photo 20 (1461): Shows Pizzagalli Corp. Co. crew placed concrete in the pad for the fire wagon display.



Photo 21 (1466): Shows Titan Mechanical Co. crew installing mechanical piping and equipment in the mechanical room.



Photo 22 (1469): Shows BH Milliken Electrical Co. crew terminating wires in the emergency transfer switch panel.



Photo 23 (1472): Shows Dirago Drywall Co. crew installing framing in the ceilings of the second floor Administration area.



Photo 24 (1485): Shows Davis Erectors Co. crew welding on the canopy over the exterior stairway door.



Photo 25 (1499): Shows Titan Mechanical Co. crew tested the domestic piping in the wall framing. Passed the pressure test.



Photo 26 (1498): Shows Dirago Drywall Co. crew framing ceilings in the second floor Administration area.



Photo 27 (1472): Shows SMR Roofing Co. crew set the skylight in the gym on the second floor Administration area.

Prepared by: Joe Newton, Construction Monitor

Site Visits – Week of December 13-17, 2010