MEMORANDUM

To: Selectboard

From: Peter B. Elwell, Town Manager

Re: Police-Fire Facilities Project Update

Date: October 13, 2016

This memorandum provides updates on the following:

- The progress of construction at the West Brattleboro Fire Station.
- The guaranteed maximum price for construction at the Central Fire Station.
- The DRB review and construction plans for the Police Station.
- Proposed removal of the yellow flashing light near the West Brattleboro Fire Station.
- Owner's expenses which I have authorized administratively.
- Public meetings at which project elements will be discussed and acted upon between now and the end of 2016.

West Brattleboro Fire Station

Construction continues on schedule. No new issues have arisen that will require any authorizing action by the Selectboard.

Since my last report, the station has begun to come up out of the ground. Much of the building's wood-frame skeleton has been completed and its orientation on the site is now plainly visible. Miscellaneous site work has continued.

Here is a summary of work that is expected to be completed during the next two weeks:

- Installation of plywood roofing.
- Installation of siding and trim.
- Preparation for and pouring of the apparatus bay slab.

Central Fire Station

DEW Construction Corp. has completed the competitive bidding process for subcontracted services and has submitted a proposed guaranteed maximum price (GMP) of $5,120,170. That is approximately $106,000 below the construction budget for this project component. A copy of the proposed GMP is attached to this memorandum. At its meeting on October 12, the Police-Fire Facilities Building Committee (PFFBC) unanimously approved the following motion:

> *"Recommend Selectboard approval of the guaranteed maximum price of $5,120,170 for the Central Fire Station as set forth in the proposal dated October 12, 2016, from DEW, which was reviewed at the PFFBC meeting on October 12, 2016."*

If the Selectboard approves the proposed GMP at the October 18 Selectboard meeting, construction work at the Central Fire Station will begin by October 24.

Police Station

The application for Development Review Board (DRB) review and approval has been submitted. The DRB is scheduled to consider this project at its meeting on October 17.

At the PFFBC meeting on October 12, the design team presented the 90% complete construction plans. After a thorough discussion, the PFFBC unanimously approved the following motion:

> *"Recommend Selectboard approval of the construction documents for the Police Station, presented as a progress set at the PFFBC meeting on October 12, 2016, with consideration to be given to such refinements as are code required and/or recommended by the committee, the architect, and the project manager."*

The plans are available for review in the Town Manager's Office and will be presented at the October 18 Selectboard meeting. After the Selectboard approves the plans, competitive bidding for subcontracted services will begin. DEW will propose a GMP for this project component to be reviewed at the PFFBC meeting on November 30 and the Selectboard meeting on December 6.

We are finalizing the Reformer's lease of 2,200 square feet at 62 Black Mountain Road. The lease will be ready for formal public consideration at the Selectboard meeting on November 1.

Recommendation to Remove the Flashing Yellow Light in West Brattleboro

During the construction of the West Brattleboro Fire Station, a utility pole will need to be relocated. Among other things, that pole services the flashing yellow light that hangs above Western Avenue near its intersection with South Street. Coordinating the logistics of relocating the pole and restoring the affected services led to the question of whether or not the flashing yellow light continues to serve a valuable public safety purpose. Staff believes it does not. We have addressed that question with the Traffic Safety Committee which concurred by general (but not unanimous) consensus that the light should be removed. The basis for this recommendation from staff and the Traffic Safety Committee is as follows:

- The flashing light does not comply with the Manual on Uniform Traffic Control Devices (national standards which the Town tries to follow when installing traffic safety measures).
- Numerous other steps have been taken to calm traffic and increase pedestrian safety in the West Brattleboro village center since the flashing light was installed decades ago
- Studies show that a continuously flashing light with no cautionary instructions provides little or no public safety benefit as it becomes "part of the landscape" since its condition is the same regardless of traffic conditions, weather conditions, or other safety factors.

The counter-balancing consideration on this matter is that the light is not causing any harm and some residents might feel that public safety would be diminished if the light were removed.

Town Manager's Authorization of Owner's Expenses

Attached is the updated list of all project related expenses I have authorized in accordance with the Selectboard's approved "Policy for Use of Owner's Contingency and/or Reduction in Project Scope." The expenses are categorized by project element (with a "General" category for those expenses that apply to the project as a whole) and they are listed in reverse chronological order. Since my last report, I have approved minor expenses for copies of construction plans, lead testing at the Central Fire Station, data cabling for the Police Station, and the temporary electrical hookup at the West Brattleboro Fire Station. I also approved a $21,941 payment to The Richards Group for builder's risk insurance for the West Brattleboro Fire Station project component. That insurance was secured prior to the commencement of construction, but it was only billed recently and was approved for payment on October 12.

Schedule of Upcoming Public Meetings Related to This Project

November 30	PFFBC re: Guaranteed Maximum Price for Police Station
December 6	Selectboard re: Guaranteed Maximum Price for Police Station

If you have any questions or require any additional information prior to our discussion of these matters on October 18, please contact me at your convenience.

PBE:
Attachments
c: Steve Horton, Owner's Project Manager
Members of the Police-Fire Facilities Building Committee
Patrick Moreland, Assistant Town Manager
Mike Fitzgerald, Police Chief
Mike Bucossi, Fire Chief
John O'Connor, Finance Director
Rod Francis, Planning Services Director
Russell Rice, Town Assessor
Bob Fisher, Town Attorney

DEW CONSTRUCTION CORP

GUARANTEED MAXIMUM PRICE 5.0

CENTRAL FIRE STATION

Brattleboro, VT

October 12 , 2016

DEW Construction Corp.
277 Blair Park Road
Suite 130
Williston, VT 05495

p 802.872.0505
f 802.872.0707

October 12, 2016

Mr. Steven Horton
SHCCSI
P.O. Box 399
Walpole, NH 03608

RE: Central Fire Station, Brattleboro, VT
Guaranteed Maximum Price Report 5.0

Dear Steve,

We are pleased to provide our Guaranteed Maximum Price 5.0 for the addition and renovation of the Central Fire Station in Brattleboro, Vermont.

Our estimate for this work is **Five million one hundred twenty thousand one hundred seventy dollars ($5,120,170).**

The project consists of approximately 11,000 square feet of new space and 14,000 square feet of renovations to the existing building.

Attached you will find our project brief, divisional clarifications, allowances, unit pricing, exclusions, alternate pricing, a preliminary construction schedule, proposed subcontractor list, document log and the detailed cost estimate.

Please feel free to contact me with any questions regarding this package.

Sincerely,

Jay Labare
Vice President of Pre-Construction Services

CC: Don Wells, Mike Smith, Mike Farhm, Jim Gardner, Bruce Lyman, DEW
Ray Giolitto, NCA

PROJECT BRIEF 2

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Project Brief

The project consists of primarily two story additions and a three story hose tower. There is approximately 11,000 square feet of new space and nearly 14,000 square feet of renovations to the existing building. The Bay 2 addition has three apparatus bays flanked by support spaces, offices, a training room and storage. Two mezzanine spaces are constructed at the second floor of the Bay. The mezzanines provide more storage and locations for the fitness area and electrical room. Two smaller additions located east and west of the existing facility provide new stair space for travel between floors. The east addition is the new, main entry to the facility and the west addition provides support space to existing Apparatus Bay 3 at the first floor and additional bunk space at the second floor. The Hose Tower is also located at the west addition to allow for centralized drop-off of recently used hose. The existing building renovations take over a former truck bay in Bay 1. It houses offices and conference space. On the second floor the entire area is remodeled to accommodate all living quarters, toilet and shower rooms and facility dining. Additionally a large meeting room is provided.

The facility is to be constructed of materials, including, but, not limited to the following: The structure is comprised of masonry bearing walls supporting steel framing. Exterior wall construction is masonry veneer on CMU back-up. Foundations include standard concrete footings, new slabs and patching of existing. Interior millwork and trim is included at new office and food prep areas. Roof systems include membrane and metal roofing systems. Besides standard hollow metal frames and wood doors, the facility has new overhead doors, new glazing assemblies and unit skylights. Interior finishes include gypsum board wall systems and related patching and finishing. Floor coverings include sealed concrete, recessed entry mats, tile and resilient flooring. Ceilings shall be gypsum board and suspended acoustical panel systems. Division 10 Specialties include visual displays, lockers, fire extinguishers, signage, wall protective materials and toilet accessories. Sitework and Mechanical and Electrical trades are major scopes of work.

Divisional Clarifications

General Conditions and General Requirements are priced reflecting the current schedule with a proposed start by November 1, 2016. Six additional weeks of personnel cost are included and result from the assumption the Central Fire Station work would commence on September 19th as highlighted in the West Fire Station No. 2 Project. The project is scheduled to take (56) weeks, not the listed (287) calendar day amount in the specification (Section 011100, Par. G.1.).

Division 1 - General Conditions & General Requirements

General Conditions (GC) costs are expenses that are direct costs for the project and typically include field management personnel, cost of office staff while on site, supporting office staff and items that support all personnel while working on site or attributable to the project. Our GC items include the following:

a. Superintendent.
b. Project Manager (while on site).
c. Project Engineer (while on site).
d. Office support staff such as Project Assistant & Accounting (based in the office).
e. Field support staff such as general labor to help maintain the site.
f. Safety Director & inspections.
g. Transportation and room & board costs as applicable.
h. Drinking water.

i. Communication services and devices.
j. Computer systems and supplies.
k. Job office trailer, equipment, furnishings and supplies.

General Requirements (GR) costs are for non-supervisory, field-related work, not included in the General Conditions. These are costs to provide service for all project participants or as directly required by specification. Our GR items include the following:

a. Temporary toilets.
b. Temporary storage trailers or facilities if required.
c. Temporary fire extinguishers.
d. Safety supplies and safety meetings / education.
e. Snow removal.
f. Equipment & operator.
g. General construction cleaning.
h. Waste management and disposal.
i. Final cleaning.
j. Record documents, O & M manuals, inspection reports, warrantee and guarantee documentation.
k. Project sign and signage.

Division 2 – Sitework

a. Town provided street widening work to be performed in harmony with work of this project.

b. Excavation and backfill for the new propane tank, pad and gas line piping is included.

c. Existing above grade propane tank field and service entrance to be relocated by others. The proposed temporary location during construction is as shown in PCRFI 075 dated September 22, 2016.

d. Existing below grade propane tank to be removed by others.

e. New plantings will be provided as specified. Maintenance needs are to be addressed by the Town.

Division 2a – Hazardous Materials Abatement

a. Abatement as presented in the April 10, 2014 Asbestos Inspection Report is included.

b. Lead paint remnants will be removed in compliance with lead in construction rules.

Division 2b – Selective Demolition

a. No Exceptions.

Division 3 – Concrete

a. Corrosion inhibiting admixtures are included at apron and door stoops; rate of (3) gallon per cubic yard.

b. Foundations and surfacing for Stair #6 is included.

c. Slab on grade joint designation "RCJ" is assumed to be Type "CNJ" on Drawing S-202.

d. The concrete sealer / hardener is Ashford Formula by Curecrete Chemical, Inc.

e. Vertical curing compound is not included.

Division 4 – Masonry

a. No Exceptions.

Division 5 - Metals, Structural & Misc Steel

a. Structural steel, joist and decks are included as indicated.

b. Stair #6 is included.

c. Miscellaneous steel elements are included as indicated.

d. Steel work shall conform to AISC standards as noted in the specification. AISC certified fabricators and erectors are not required nor included.

Division 6r – Rough Carpentry

a. No exceptions.

Division 6f – Finish Carpentry & Millwork

a. No exceptions.

Division 7 - Thermal & Moisture Protection

a. Removal of existing roofing materials assumes single roof system.

Division 8 – Openings

a. Wood Door Specification 081416 is included in the specifications. Wood doors are not shown in the Door Schedule; only aluminum and hollow metal.

Division 9 – Finishes

a. Floor finishes were updated by addendum. Where base type conflicts with flooring product the base has been included to match (e.g. tile base at tile floors, rubber base at VCT and carpet floors).

b. Hydraulic cement underlayment is included in two areas; former hose tower floor and at new infill at existing stair to second floor at the proposed Meeting Room 207.

c. Wall Type 12 in Apparatus Bay 2 is included along Column Lines 9 & B. The wall type has also been assumed to be required along the exterior wall along Column Line A through all ancillary rooms and terminating in the Decon-Dirty Room 128 along the wall on Column Line 5.2.

d. Soffits are not included above any lockers. Refer to Detail D1/A-402 indicating such. Men's and Women's lockers are noted to be sloping tops in the specifications. Turnout Gear lockers appear to be flat top per sections and RCP plans.

Division 10 – Specialties

a. Bronze wall plaque, medallion floor plaque, directories and exterior lettering are not included.

b. Fire extinguishers are included as revised per Addendum. A 'K' Rated extinguisher is included at the Kitchen.

c. Only (2) Janitor Closet mop holders provided as a result of JC Closet 209 conversion to elevator control room (see 14.b. below).

d. Corner guard height is to be 4 feet.

e. Men's & Women's locker bases are metal 'Z' type provided by locker manufacturer.

Division 11 – Equipment

a. Turnout gear extractor and dryer are furnished and installed by the Owner.

Division 12 – Furnishings

a. No Exceptions.

Division 13 - Special Conditions

a. Not Used.

Division 14 – Conveying

a. The elevator meets the KONE specification in general with exceptions in the interior railing diameter (1.25" versus 1.5") and the required pit depth (5' versus 4').

b. During bidding it was determined that State of Vermont Elevator Codes do not allow machine room-less elevators to have control panels in the shaft or on the car. A separate control room location is required. NCA has confirmed that JC Closet 209 will be converted to the needed control room.

Division 15 – Mechanical/Plumbing/Sprinkler

a. Sufficient water volume and pressure is assumed for the required fire protection sprinkler system.

b. Temporary oil tanks and lines are included to support continuous operations during construction. All fuel oil expense is by others. The locations of tanks will be as shown in PCRFI 074 dated September 22, 2016.

Division 16 – Electrical

a. The new generator and automatic transfer switch is to be furnished by the Owner for installation under this GMP Contract.

b. Provisions are included to provide uninterrupted backup emergency power during construction. The location of temporary services will be as shown in PCRFI 076 dated September 22, 2016.

c. Provisions to include a doorbell system per NCA September 30th email are incorporated in the GMP.

Specified Allowances

a.	Allowance 1: Face brick price per 1,000 pieces	$ 700.00/1,000
b.	Allowance 2: Replace 200 face brick	$18,000.00
c.	Allowance 3: Repoint 1,000 square feet of brick	$ 7,000.00
d.	Allowance 4: Provide broadloom carpet material	$ 20.00/sy

Other Allowances

a.	Remove existing oil tank ALLOWANCE	$10,000.00
b.	Cold weather site soils management ALLOWANCE	$ 25,000.00
c.	Unknown conditions and phasing considerations ALLOWANCE	$ 30,000.00
d.	Cold weather enclosures and heat for foundations ALLOWANCE	$ 20,000.00
e.	Cold weather heat fuel for facility ALLOWANCE	$ 13,635.00
f.	Remove items from existing facade ALLOWANCE	$ 5,000.00

Unit Prices

a.	Unit Price 1: Remove/replace unsuitable soil with ¾" stone	ADD	$ 59.00/cy
b.	Unit Price 2: Remove/replace unsuitable soil with structural fill	ADD	$ 48.00/cy
c.	Unit Price 3: Remove/replace contaminated soil with structural fill	ADD	$ 160.00/ton

Alternates

a.	Alternate 1: New trench drains in existing Apparatus Bays 1 and 3	ADD	$ 49,375.00
b.	Alternate 2: Epoxy (SW Armorseal) in App. Bays 1 & 3 and Turnout Gear	ADD	$ 36,500.00
c.	Alternate 3: Provide vehicle exhaust systems in Apparatus Bays 1 and 3	ADD	$ 68,150.00

Included Soft Costs

a. Subcontractor Default Insurance
b. An Estimating Contingency of 3% is included

c. Performance and Payment Bond
d. General Liability Insurance
e. Pre-Construction Fee
f. CM fee

Exclusions/Qualifications

The following items are not included in the GMP estimate:

a. Temporary electric consumption is excluded – by Owner.
b. Temporary storage trailers or facilities.
c. On site water usage charges.
d. Building permit fees.
e. Builder's Risk insurance premiums and deductibles.
f. Moving of furniture, fixture or equipment (FFE).
g. Temporary storage facility for Owner salvaged items.
h. Labor to install Owner furnished items.
i. Design and engineering and Department of Life Safety review requirements.
j. Utility connection fees & permits.
k. Act 250 permits or fees.
l. LEED Coordination and Implementation.
m. Inspections and testing.
n. Removal/replacement of unsuitable or contaminated soils is excluded. See Unit Prices.
o. Rock or ledge removal is not included.
p. Dewatering measures are included to deal with weather conditions only. Excessive dewatering requirements for unanticipated or elevated water table conditions are not included.
q. Moisture mitigation concrete additives are not included.
r. Individual window testing is not included.
s. Blower door testing is to be performed and paid for by others.
t. Projection screens are not included.
u. Television wall mounts are not included.
v. SCBA equipment and accessories are by Owner.
w. Loose furnishings, fixtures and artwork are by others.
x. Fire Pump and Water Storage Tank for Fire Sprinkler System is excluded.
y. Gas service and meter by Owner.
z. Utility company charges are excluded. (power company, telephone company, fire department, monitor services, etc.).

Duration

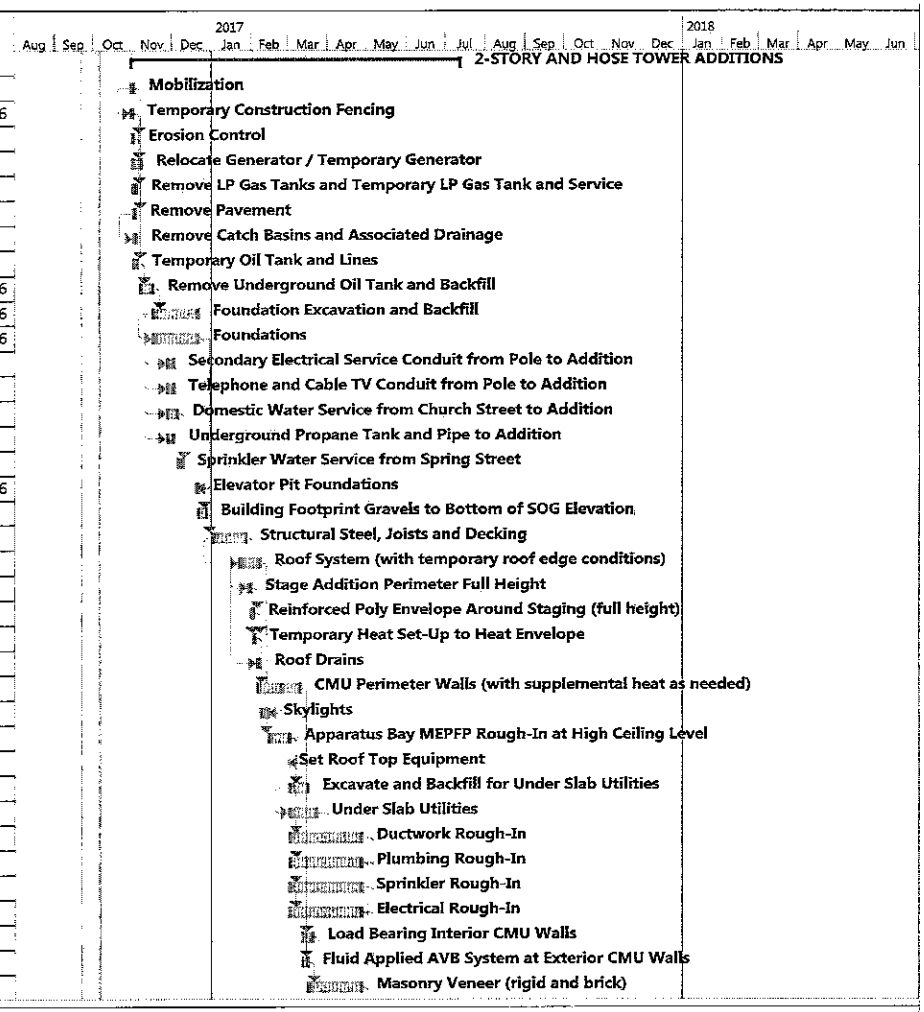
We anticipate this project duration to be approximately (13) months. See project schedule attached.

DEW CONSTRUCTION CORP

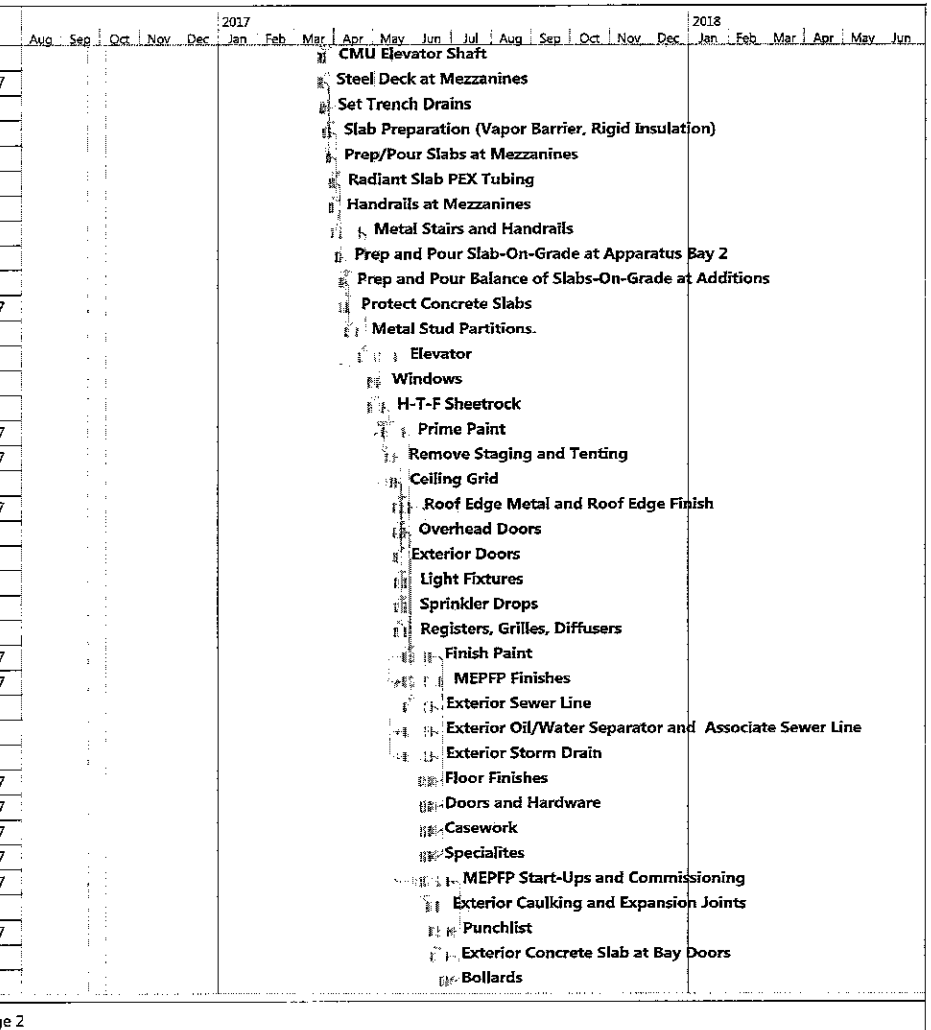
Schedule

Central Fire Station
Brattleboro, VT
Guaranteed Maximum Price 5.0

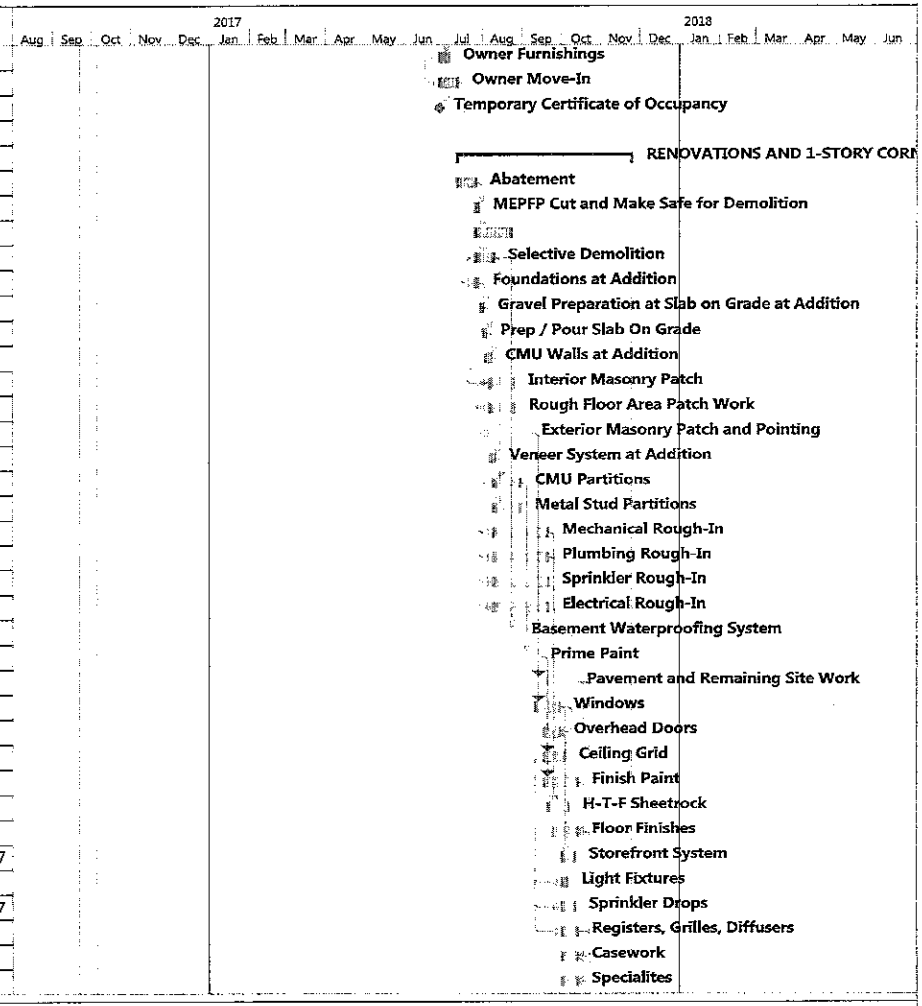
ID		Task Mode	Task Name	Duration	Start	Finish
1			**2-STORY AND HOSE TOWER ADDITIONS**	**183 days**	**Mon 10/31/16**	**Wed 7/12/17**
2			Mobilization	2 days	Mon 10/31/16	Tue 11/1/16
3			Temporary Construction Fencing	1 day	Mon 10/31/16	Mon 10/31/16
4			Erosion Control	1 day	Tue 11/1/16	Tue 11/1/16
7			Relocate Generator / Temporary Generator	5 days	Tue 11/1/16	Mon 11/7/16
8			Remove LP Gas Tanks and Temporary LP Gas Tank and Service	3 days	Tue 11/1/16	Thu 11/3/16
5			Remove Pavement	1 day	Wed 11/2/16	Wed 11/2/16
6			Remove Catch Basins and Associated Drainage	2 days	Wed 11/2/16	Thu 11/3/16
9			Temporary Oil Tank and Lines	3 days	Wed 11/2/16	Fri 11/4/16
10			Remove Underground Oil Tank and Backfill	8 days	Mon 11/7/16	Wed 11/16/16
11			Foundation Excavation and Backfill	25 days	Thu 11/17/16	Wed 12/21/16
12			Foundations	25 days	Thu 11/17/16	Wed 12/21/16
14			Secondary Electrical Service Conduit from Pole to Addition	5 days	Mon 11/28/16	Fri 12/2/16
15			Telephone and Cable TV Conduit from Pole to Addition	5 days	Mon 11/28/16	Fri 12/2/16
16			Domestic Water Service from Church Street to Addition	6 days	Mon 11/28/16	Mon 12/5/16
18			Underground Propane Tank and Pipe to Addition	5 days	Mon 11/28/16	Fri 12/2/16
17			Sprinkler Water Service from Spring Street	4 days	Tue 12/6/16	Fri 12/9/16
13			Elevator Pit Foundations	2 days	Tue 12/20/16	Wed 12/21/16
19			Building Footprint Gravels to Bottom of SOG Elevation	4 days	Thu 12/22/16	Tue 12/27/16
20			Structural Steel, Joists and Decking	20 days	Mon 1/2/17	Fri 1/27/17
21			Roof System (with temporary roof edge conditions)	12 days	Mon 1/23/17	Tue 2/7/17
24			Stage Addition Perimeter Full Height	2 days	Mon 1/30/17	Tue 1/31/17
25			Reinforced Poly Envelope Around Staging (full height)	2 days	Wed 2/1/17	Thu 2/2/17
26			Temporary Heat Set-Up to Heat Envelope	1 day	Fri 2/3/17	Fri 2/3/17
23			Roof Drains	2 days	Mon 2/6/17	Tue 2/7/17
27			CMU Perimeter Walls (with supplemental heat as needed)	25 days	Mon 2/6/17	Fri 3/10/17
22			Skylights	4 days	Thu 2/9/17	Tue 2/14/17
38			Apparatus Bay MEPFP Rough-In at High Ceiling Level	12 days	Wed 2/15/17	Thu 3/2/17
54			Set Roof Top Equipment	2 days	Wed 3/1/17	Thu 3/2/17
39			Excavate and Backfill for Under Slab Utilities	10 days	Fri 3/3/17	Thu 3/16/17
40			Under Slab Utilities	15 days	Fri 3/3/17	Thu 3/23/17
53			Ductwork Rough-In	40 days	Fri 3/3/17	Thu 4/27/17
55			Plumbing Rough-In	40 days	Fri 3/3/17	Thu 4/27/17
56			Sprinkler Rough-In	40 days	Fri 3/3/17	Thu 4/27/17
57			Electrical Rough-In	40 days	Fri 3/3/17	Thu 4/27/17
28			Load Bearing Interior CMU Walls	6 days	Mon 3/13/17	Mon 3/20/17
30			Fluid Applied AVB System at Exterior CMU Walls	4 days	Mon 3/13/17	Thu 3/16/17
31			Masonry Veneer (rigid and brick)	30 days	Fri 3/17/17	Thu 4/27/17



ID	Task Mode	Task Name	Duration	Start	Finish
29		CMU Elevator Shaft	4 days	Tue 3/21/17	Fri 3/24/17
48		Steel Deck at Mezzanines	2 days	Tue 3/21/17	Wed 3/22/17
41		Set Trench Drains	2 days	Wed 3/22/17	Thu 3/23/17
42		Slab Preparation (Vapor Barrier, Rigid Insulation)	3 days	Fri 3/24/17	Tue 3/28/17
49		Prep/Pour Slabs at Mezzanines	2 days	Mon 3/27/17	Tue 3/28/17
43		Radiant Slab PEX Tubing	3 days	Wed 3/29/17	Fri 3/31/17
50		Handrails at Mezzanines	2 days	Wed 3/29/17	Thu 3/30/17
51		Metal Stairs and Handrails	15 days	Fri 3/31/17	Thu 4/20/17
44		Prep and Pour Slab-On-Grade at Apparatus Bay 2	3 days	Mon 4/3/17	Wed 4/5/17
45		Prep and Pour Balance of Slabs-On-Grade at Additions	2 days	Thu 4/6/17	Fri 4/7/17
47		Protect Concrete Slabs	3 days	Thu 4/6/17	Mon 4/10/17
46		Metal Stud Partitions.	7 days	Mon 4/10/17	Tue 4/18/17
52		Elevator	20 days	Fri 4/21/17	Thu 5/18/17
32		Windows	5 days	Fri 4/28/17	Thu 5/4/17
58		H-T-F Sheetrock	7 days	Fri 4/28/17	Mon 5/8/17
64		Prime Paint	12 days	Tue 5/9/17	Wed 5/24/17
33		Remove Staging and Tenting	4 days	Fri 5/12/17	Wed 5/17/17
65		Ceiling Grid	3 days	Tue 5/16/17	Thu 5/18/17
34		Roof Edge Metal and Roof Edge Finish	8 days	Thu 5/18/17	Mon 5/29/17
35		Overhead Doors	6 days	Thu 5/18/17	Thu 5/25/17
36		Exterior Doors	2 days	Thu 5/18/17	Fri 5/19/17
66		Light Fixtures	6 days	Fri 5/19/17	Fri 5/26/17
67		Sprinkler Drops	6 days	Fri 5/19/17	Fri 5/26/17
68		Registers, Grilles, Diffusers	6 days	Fri 5/19/17	Fri 5/26/17
69		Finish Paint	15 days	Thu 5/25/17	Wed 6/14/17
74		MEPFP Finishes	20 days	Thu 5/25/17	Wed 6/21/17
59		Exterior Sewer Line	15 days	Fri 5/26/17	Thu 6/15/17
60		Exterior Oil/Water Separator and Associate Sewer Line	15 days	Fri 5/26/17	Thu 6/15/17
61		Exterior Storm Drain	15 days	Fri 5/26/17	Thu 6/15/17
70		Floor Finishes	6 days	Wed 6/7/17	Wed 6/14/17
71		Doors and Hardware	5 days	Thu 6/8/17	Wed 6/14/17
72		Casework	5 days	Thu 6/8/17	Wed 6/14/17
73		Specialites	5 days	Thu 6/8/17	Wed 6/14/17
75		MEPFP Start-Ups and Commissioning	15 days	Thu 6/8/17	Wed 6/28/17
37		Exterior Caulking and Expansion Joints	6 days	Tue 6/13/17	Tue 6/20/17
76		Punchlist	10 days	Thu 6/15/17	Wed 6/28/17
62		Exterior Concrete Slab at Bay Doors	8 days	Fri 6/16/17	Tue 6/27/17
63		Bollards	3 days	Fri 6/23/17	Tue 6/27/17

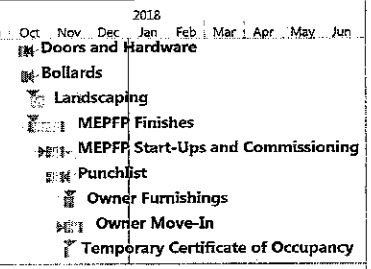


ID	Task Mode	Task Name	Duration	Start	Finish
77		Owner Furnishings	5 days	Thu 6/29/17	Wed 7/5/17
78		Owner Move-In	10 days	Thu 6/29/17	Wed 7/12/17
79		Temporary Certificate of Occupancy	0 days	Thu 6/29/17	Thu 6/29/17
80					
81		**RENOVATIONS AND 1-STORY CORNER ADDITION**	**97 days**	**Thu 7/13/17**	**Fri 11/24/17**
82		Abatement	10 days	Thu 7/13/17	Wed 7/26/17
83		MEPFP Cut and Make Safe for Demolition	2 days	Thu 7/27/17	Fri 7/28/17
84		Re-Roof Existing Building	20 days	Thu 7/27/17	Wed 8/23/17
85		Selective Demolition	10 days	Thu 7/27/17	Wed 8/9/17
86		Foundations at Addition	2 days	Thu 7/27/17	Fri 7/28/17
87		Gravel Preparation at Slab on Grade at Addition	2 days	Mon 7/31/17	Tue 8/1/17
88		Prep / Pour Slab On Grade	2 days	Wed 8/2/17	Thu 8/3/17
89		CMU Walls at Addition	2 days	Fri 8/4/17	Mon 8/7/17
91		Interior Masonry Patch	15 days	Mon 8/7/17	Fri 8/25/17
92		Rough Floor Area Patch Work	15 days	Mon 8/7/17	Fri 8/25/17
94		Exterior Masonry Patch and Pointing	25 days	Mon 8/7/17	Fri 9/8/17
90		Veneer System at Addition	3 days	Tue 8/8/17	Thu 8/10/17
98		CMU Partitions	15 days	Thu 8/10/17	Wed 8/30/17
99		Metal Stud Partitions	15 days	Thu 8/10/17	Wed 8/30/17
103		Mechanical Rough-In	30 days	Thu 8/10/17	Wed 9/20/17
104		Plumbing Rough-In	30 days	Thu 8/10/17	Wed 9/20/17
105		Sprinkler Rough-In	30 days	Thu 8/10/17	Wed 9/20/17
106		Electrical Rough-In	30 days	Thu 8/10/17	Wed 9/20/17
93		Basement Waterproofing System	6 days	Thu 8/24/17	Thu 8/31/17
108		Prime Paint	12 days	Thu 8/31/17	Fri 9/15/17
95		Pavement and Remaining Site Work	25 days	Mon 9/11/17	Fri 10/13/17
100		Windows	15 days	Mon 9/11/17	Fri 9/29/17
102		Overhead Doors	10 days	Mon 9/18/17	Fri 9/29/17
109		Ceiling Grid	12 days	Mon 9/18/17	Tue 10/3/17
113		Finish Paint	20 days	Mon 9/18/17	Fri 10/13/17
107		H-T-F Sheetrock	12 days	Thu 9/21/17	Fri 10/6/17
114		Floor Finishes	15 days	Mon 9/25/17	Fri 10/13/17
101		Storefront System	8 days	Mon 10/2/17	Wed 10/11/17
110		Light Fixtures	4 days	Mon 10/2/17	Thu 10/5/17
111		Sprinkler Drops	8 days	Mon 10/2/17	Wed 10/11/17
112		Registers, Grilles, Diffusers	10 days	Mon 10/2/17	Fri 10/13/17
116		Casework	10 days	Mon 10/2/17	Fri 10/13/17
117		Specialites	10 days	Mon 10/2/17	Fri 10/13/17



Schedule

ID	Task Mode	Task Name	Duration	Start	Finish
115		Doors and Hardware	5 days	Mon 10/9/17	Fri 10/13/17
96		Bollards	3 days	Wed 10/11/17	Fri 10/13/17
97		Landscaping	10 days	Mon 10/16/17	Fri 10/27/17
118		MEPFP Finishes	20 days	Mon 10/16/17	Fri 11/10/17
119		MEPFP Start-Ups and Commissioning	10 days	Mon 10/30/17	Fri 11/10/17
120		Punchlist	10 days	Mon 10/30/17	Fri 11/10/17
121		Owner Furnishings	5 days	Mon 11/13/17	Fri 11/17/17
122		Owner Move-In	10 days	Mon 11/13/17	Fri 11/24/17
123		Temporary Certificate of Occupancy	1 day	Mon 11/13/17	Mon 11/13/17



Proposed Subcontractors

Division #	Description	Subcontractor
2	Abatement	Catamount
2	Selective Demolition	Envirovantage
2	Site Work	LaRock
2	Landscaping	Pioneer
3	Concrete Foundations	Valley Concrete
3	Concrete Slabs	Premier
4	Masonry	Tedesco
5	Structural and Misc Steel	Tri-State Iron
6	Millwork	WS Dennison
7	Waterproofing	Nicom
7	Fluid Applied Vapor Barrier	Optimum
7	Roofing and Skylights	Melanson
7	Caulking	Optimum
8	Doors and Hardware	Kelley Bros
8	Overhead Doors	OH Door Rutland
8	Aluminum Windows and Entrances	Greenfield Glass
9	Metal Stud Framing and Drywall	Optimum
9	Acoustical Ceiling Systems	Optimum
9	Flooring	Floor Master
9	Painting	Stebbins
11	Kitchen Appliances	Cocoplum
14	Elevator	Kone
15	Sprinkler Systems	John Carter
15	Mechanical and Plumbing	Adams Plumbing and Heating
16	Electrical	Hamblet Electric

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Addenda						
Addendum #1						
ADD-001	0	NCA - Addendum #01	9/19/2016	100	Bid Set	NCA - Addendum #01
Addendum #2						
ADD-002	0	NCA - Addendum #02	9/23/2016	100	Construction Set	NCA - Addendum #02
Drawing						
Architectural						
A-000	0	Cover	9/1/2016	100	Bid Set	
A-001	0	General Infor	9/1/2016	100	Bid Set	
A-020	0	Code Sheet	9/1/2016	100	Bid Set	
A-030	0	Wall Types	9/1/2016	100	Bid Set	
D-101	0	BSMT & 1st Floor Demo Floor Plan	9/1/2016	100	Bid Set	
D-102	0	2nd Floor & Roof Demo	9/1/2016	100	Bid Set	
A-100	0	Basement Foundation Plan	9/1/2016	100	Bid Set	
A-111	0	First Floor Construction Plan	9/1/2016	100	Bid Set	
A-112	0	First Floor Dimension Plan	9/1/2016	100	Bid Set	
A-113	0	First Floor RC Plan	9/1/2016	100	Bid Set	
A-114	0	First Floor Finish Plan	9/1/2016	100	Bid Set	
A-115	0	BSMT & First Floor Furniture Plan	9/1/2016	100	Bid Set	
A-121	0	Second Floor Construction Plan	9/1/2016	100	Bid Set	
A-122	0	Second Floor Dimension Plan	9/1/2016	100	Bid Set	
A-123	0	Second Floor RC Plan	9/1/2016	100	Bid Set	
A-124	0	Second Floor Finish Plan	9/1/2016	100	Bid Set	
A-125	0	Second Floor Furniture & Tower Plans	9/1/2016	100	Bid Set	
A-131	0	Roof and Tower Plans	9/1/2016	100	Bid Set	
A-201	0	North & South Elevations	9/1/2016	100	Bid Set	
A-202	0	East & West Elevations	9/1/2016	100	Bid Set	
A-301	0	Building Sections	9/1/2016	100	Bid Set	
A-351	0	Wall Sections	9/1/2016	100	Bid Set	
A-352	0	Wall Sections	9/1/2016	100	Bid Set	
A-353	0	Wall Sections	9/1/2016	100	Bid Set	
A-401	0	Sections Details	9/1/2016	100	Bid Set	
A-402	0	Ceiling Soffit Details	9/1/2016	100	Bid Set	
A-410	0	Roof Details	9/1/2016	100	Bid Set	
A-451	0	Plan Details	9/1/2016	100	Bid Set	
A-452	0	Plan Details	9/1/2016	100	Bid Set	
A-453	0	Plan Details	9/1/2016	100	Bid Set	
A-454	0	Plan Details	9/1/2016	100	Bid Set	
A-501	0	Stair Plans & Sections	9/1/2016	100	Bid Set	
A-502	0	Stair Plans & Sections	9/1/2016	100	Bid Set	

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Number	Rev	Title	Rev Date	% Complete	Category	General Notes
A-503	0	Hose Tower Plans & Sections	9/1/2016	100	Bid Set	
A-504	0	Stair Details	9/1/2016	100	Bid Set	
A-601	0	Enlarged Plans & Interior Elevations	9/1/2016	100	Bid Set	
A-602	0	Enlarged Plans & Interior Elevations	9/1/2016	100	Bid Set	
A-603	0	Enlarged Plans & Interior Elevations	9/1/2016	100	Bid Set	
A-604	0	Apparatus Bay 2 Interior Elevations	9/1/2016	100	Bid Set	
A-701	0	Millwork Sections	9/1/2016	100	Bid Set	
A-702	0	Millwork Sections	9/1/2016	100	Bid Set	
A-801	0	Finish Schedule	9/1/2016	100	Bid Set	
A-802	0	Door Schedule and Details	9/1/2016	100	Bid Set	
A-803	0	Door Details	9/1/2016	100	Bid Set	
A-820	0	Window Schedule, Elevations and Details	9/1/2016	100	Bid Set	
A-821	0	Window Details	9/1/2016	100	Bid Set	
Civil						
C-001	0	Plan Showing Property of Town of Brattleboro	9/1/2016	100	Bid Set	
C-002	0	Site Demolition Plan	9/1/2016	100	Bid Set	
C-101	0	Site Layout & Landscaping Plan	9/1/2016	100	Bid Set	
C-201	0	Site Grading & Erosion Control Plan	9/1/2016	100	Bid Set	
C-401	0	Site Utility Plan	9/1/2016	100	Bid Set	
C-601	0	Site Construction Details	9/1/2016	100	Bid Set	
C-602	0	Site Construction Details	9/1/2016	100	Bid Set	
Electrical						
E1	1	Electrical Legend	9/23/2016	100	Construction Set	NCA Addendum #02
E2	1	Electrical Site Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E3	1	Electrical Lighting Basement and 1st Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E4	1	Electrical Lighting 2nd Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E5	1	Electrical Power Basement and 1st Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E6	1	Electrical Power 2nd Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E7	1	Electrical First Floor Fire Alarm	9/23/2016	100	Construction Set	NCA Addendum #02
E8	1	Electrical Second Floor Fire Alarm	9/23/2016	100	Construction Set	NCA Addendum #02
E9	1	Electrical 1st Floor Communication Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E10	1	Electrical 2nd Floor Commincation Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E11	1	Electrical Roof Plan	9/23/2016	100	Construction Set	NCA Addendum #02
E12	1	Electrical Power Riser Diagram	9/23/2016	100	Construction Set	NCA Addendum #02
E13	1	Electrical Communications Riser	9/23/2016	100	Construction Set	NCA Addendum #02

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		Diagram				
E14	1	Electrical Fire Alarm Riser Diagram	9/23/2016	100	Construction Set	NCA Addendum #02
Mechanical						
M1	1	Mechanical Schedules and Details	9/23/2016	100	Construction Set	NCA Addendum #02
M2	1	Mechanical Basement Plan	9/23/2016	100	Construction Set	NCA Addendum #02
M3	1	Mechanical Sheetmetal 1st Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
M4	1	Mechanical Sheetmetal 2nd Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
M5	1	Mechanical Piping 1st Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
M6	1	Mechanical Piping 2nd Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
Plumbing						
P1	1	Plumbing Supply Piping Basement Plan	9/23/2016	100	Construction Set	NCA Addendum #02
P2	1	Plumbing Supply Piping 1st Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
P3	1	Plumbing Supply Piping 2nd Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
P4	1	Plumbing Waste & Vent Basement Plan	9/23/2016	100	Construction Set	NCA Addendum #02
P5	1	Plumbing Waste & Vent 1st Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
P6	1	Plumbing Waste & Vent 2nd Floor Plan	9/23/2016	100	Construction Set	NCA Addendum #02
Structural						
S-100	0	General Notes and Typical Details	9/1/2016	100	Bid Set	
S-101	0	Foundation Plan	9/1/2016	100	Bid Set	
S-102	0	Mezzainine/Second Floor Framing Plan	9/1/2016	100	Bid Set	
S-103	1	Roof Framing Plan	9/21/2016	100	Construction Set	NCA Addendum #02
S-104	0	Lintel Plans	9/1/2016	100	Bid Set	
S-201	0	Foundation Details	9/1/2016	100	Bid Set	
S-202	0	Foundation Details	9/1/2016	100	Bid Set	
S-301	0	Framing Details	9/1/2016	100	Bid Set	
S-302	0	Framing Details	9/1/2016	100	Bid Set	
S-303	0	Framing Details	9/1/2016	100	Bid Set	
S-304	0	Framing Details	9/1/2016	100	Bid Set	
S-305	0	Framing Details	9/1/2016	100	Bid Set	
S-306	0	Framing Details	9/1/2016	100	Bid Set	
S-401	0	Column Schedule	9/1/2016	100	Bid Set	
General						
General						
GEO	0	Geotechnical Investigation Report	3/24/2014	100	Bid Set	

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Number	Rev	Title	Rev Date	% Complete	Category	General Notes
Sketch						
Architectural						
ADA-001	0	Infill Locations of Existing Wall Openings	9/19/2016	100	Bid Set	NCA - Addendum #01
ADA-002	0	Metal Door Frame Revised	9/19/2016	100	Bid Set	NCA - Addendum #01
NCA-001	0	NCA - Finish Schedule	9/19/2016	100	Bid Set	NCA - Addendum #01
Structural						
SSK-1	0	Infill Section at Existing Concrete Slabs	9/19/2016	100	Construction Set	NCA - Addendum #02
SSK-2	0	Steel Beam Connection to CMU	9/21/2016	100	Construction Set	NCA - Addendum #02
Specification						
Division 0						
000110	1	Table of Content	9/19/2016	100	Bid Set	NCA - Addendum #01
Division 1						
011000	0	Summary of Work	9/1/2016	100	Bid Set	
011102	0	Definition of General Contractor and Contractor	9/1/2016	100	Bid Set	
011105	0	Owner	9/1/2016	100	Bid Set	
011110	0	Architect	9/1/2016	100	Bid Set	
011115	0	Examination of Site	9/1/2016	100	Bid Set	
011130	0	Project Documents	9/1/2016	100	Bid Set	
011140	0	Document Furnished	9/1/2016	100	Bid Set	
011160	0	Occupancy Requirements	9/1/2016	100	Bid Set	
011413	0	Contractor's Use of Premises	9/1/2016	100	Bid Set	
012000	0	Price and Payment Procedures	9/1/2016	100	Bid Set	
012300	0	Alternates	9/1/2016	100	Bid Set	
012500	0	Equals and Substitutions	9/1/2016	100	Bid Set	
012600	0	Modification Procedures	9/1/2016	100	Bid Set	
012976	0	Applications for Payment	9/1/2016	100	Bid Set	
013100	0	Coordination	9/1/2016	100	Bid Set	
013119	0	Project Meetings	9/1/2016	100	Bid Set	
013216	0	Construction Schedule	9/1/2016	100	Bid Set	
013230	0	Construction Photographs	9/1/2016	100	Bid Set	
013300	0	Submittals	9/1/2016	100	Bid Set	
014100	0	Regulatory Requirements	9/1/2016	100	Bid Set	
014220	0	Reference Standards & Definitions	9/1/2016	100	Bid Set	
014500	0	Quality Control	9/1/2016	100	Bid Set	
015035	0	Construction Equipment	9/1/2016	100	Bid Set	
015045	0	Protection	9/1/2016	100	Bid Set	
015050	0	Security	9/1/2016	100	Bid Set	
015055	0	Traffic Ways	9/1/2016	100	Bid Set	
015113	0	Temporary Electricity and Lighting	9/1/2016	100	Bid Set	

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Number	Rev	Title	Rev Date	% Complete	Category	General Notes
015116	0	Fire Protection	9/1/2016	100	Bid Set	
015123	0	Temporary Heating, Cooling and Ventilation and Lighting	9/1/2016	100	Bid Set	
015133	0	Temporary Telephone	9/1/2016	100	Bid Set	
015136	0	Temporary Water	9/1/2016	100	Bid Set	
015219	0	Temporary Sanitary Facilities	9/1/2016	100	Bid Set	
015400	0	Temporary Controls	9/1/2016	100	Bid Set	
015600	0	Barriers and Enclosures	9/1/2016	100	Bid Set	
015723	0	Storm Water Control	9/1/2016	100	Bid Set	
015850	0	Identification Badges/Helment Stickers	9/1/2016	100	Bid Set	
016600	0	Product Storage and Handling Requirements	9/1/2016	100	Bid Set	
017123	0	Field Engineering	9/1/2016	100	Bid Set	
017200	0	Renovation Procedures	9/1/2016	100	Bid Set	
017329	0	Cutting and Patching	9/1/2016	100	Bid Set	
017400	0	Cleaning	9/1/2016	100	Bid Set	
017500	0	Starting of Systems	9/1/2016	100	Bid Set	
017700	0	Contract Closeout	9/1/2016	100	Bid Set	
017823	0	Operation and Maintenance Data	9/1/2016	100	Bid Set	
Division 2						
024119	0	Selective Demolition	9/1/2016	100	Bid Set	
027133	0	Surface Restoration and Repair	9/1/2016	100	Bid Set	
Division 3						
033000	0	Cast-In-Place Concrete	9/1/2016	100	Bid Set	
035416	0	Hydraulic Cementitious Underlayment	9/1/2016	100	Bid Set	
Division 4						
040120	0	Maintenance of Unit Masonry	9/1/2016	100	Bid Set	
042000	0	Unit Masonry	9/1/2016	100	Bid Set	
Division 5						
051200	0	Structural Steel	9/1/2016	100	Bid Set	
052200	0	Steel Joist	9/1/2016	100	Bid Set	
053100	0	Steel Deck	9/1/2016	100	Bid Set	
054000	0	Cold-Formed Metal Framing	9/1/2016	100	Bid Set	
055000	0	Metal Fabrications	9/1/2016	100	Bid Set	
055113	0	Metal Pan Stair	9/1/2016	100	Bid Set	
055213	0	Pipe and Tube Railings	9/1/2016	100	Bid Set	
055300	0	Metal Gratings	9/1/2016	100	Bid Set	
Division 6						
061053	0	Miscellaneous Rough Carpentry	9/1/2016	100	Bid Set	
064023	0	Interior Architectural Woodwork	9/1/2016	100	Bid Set	
Division 7						
070150.19	0	Preparation for Re-Roofing	9/1/2016	100	Bid Set	

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Number	Rev	Title	Rev Date	% Complete	Category	General Notes
071616	0	Crystalline Waterproofing	9/1/2016	100	Bid Set	
071900	0	Water Repellents	9/1/2016	100	Bid Set	
072100	0	Thermal Insulation	9/1/2016	100	Bid Set	
072726	0	Fluid-Applied Membrane Air Barriers	9/1/2016	100	Bid Set	
074113.16	0	Standing-Seam Metal Roof Panels	9/1/2016	100	Bid Set	
074213.23	0	Metal Composite Material Wall Panels	9/1/2016	100	Bid Set	
075323	0	Ethylene-Propylene-Diene-Momomer (EPDM) Roofing	9/1/2016	100	Bid Set	
076200	0	Sheet Metal Flashing and Trim	9/1/2016	100	Bid Set	
077100	0	Roof Specialties	9/1/2016	100	Bid Set	
077129	0	Manufactured Roof Expansion Joints	9/1/2016	100	Bid Set	
077253	0	Snow Guards	9/1/2016	100	Bid Set	
078413	0	Penetration Firestopping	9/1/2016	100	Bid Set	
078446	0	Fire Resistive Joint Systems	9/1/2016	100	Bid Set	
079200	0	Joint Sealants	9/1/2016	100	Bid Set	
079201	0	Spray Foam Sealants	9/1/2016	100	Bid Set	
079500	0	Expansion Control	9/1/2016	100	Bid Set	
Division 8						
081113	0	Hollow Metal Doors and Frames	9/1/2016	100	Bid Set	
081416	0	Flush Wood Doors	9/1/2016	100	Bid Set	
083113	0	Access Doors and Frames	9/1/2016	100	Bid Set	
083323	0	Overhead Coiling Doors	9/1/2016	100	Bid Set	
083613	0	Sectional Doors	9/1/2016	100	Bid Set	
084113	0	Aluminum-Framed Entrances and Storefronts	9/1/2016	100	Bid Set	
085113	0	Aluminum Windows	9/1/2016	100	Bid Set	
086300	0	Metal Framed Skylights	9/1/2016	100	Bid Set	
087111	0	Door Hardware	9/1/2016	100	Bid Set	
088000	0	Glazing	9/1/2016	100	Bid Set	
089119	0	Fixed Louvers	9/1/2016	100	Bid Set	
Division 9						
092116	0	Gypsum Board Assemblies	9/1/2016	100	Bid Set	
093100	0	Tiling	9/1/2016	100	Bid Set	
095113	0	Acoustical Panel Ceilings	9/1/2016	100	Bid Set	
096513	0	Resilient Base Accessories	9/1/2016	100	Bid Set	
096519	0	Resilient Tile Flooring	9/1/2016	100	Bid Set	
096816	0	Sheet Carpeting	9/1/2016	100	Bid Set	
099100	0	Painting	9/1/2016	100	Bid Set	
Division 10						
101100	0	Visual Display Surfaces	9/1/2016	100	Bid Set	

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101400	0	Signage	9/1/2016	100	Bid Set	
102213	0	Resilent Base and Accessories	9/1/2016	100	Bid Set	
102600	0	Wall Protection	9/1/2016	100	Bid Set	
102800	0	Toilet and Bath Accessories	9/1/2016	100	Bid Set	
104416	0	Fire Extinguishers	9/1/2016	100	Bid Set	
105113	0	Metal Lockers	9/1/2016	100	Bid Set	
Division 11						
113100	0	Appliances	9/1/2016	100	Bid Set	
119000	0	Miscellaneous Equipment	9/1/2016	100	Bid Set	
Division 12						
122113	0	Horizontal Louver Blinds	9/1/2016	100	Bid Set	
123623.13	0	Plastic-Laminate-Clad Countertops	9/1/2016	100	Bid Set	
124813	0	Entrance Floor Mats	9/1/2016	100	Bid Set	
Division 14						
142100	0	Electric Traction Elevators	9/1/2016	100	Bid Set	
Division 21 - Fire Suppression						
210010	0	Basic Fire Protection Requirements	9/1/2016	100	Bid Set	
210510	0	Electric Wiring	9/1/2016	100	Bid Set	
210610	0	Piping Systems & Accessories	9/1/2016	100	Bid Set	
210620	0	Valves	9/1/2016	100	Bid Set	
211000	0	Sprinkler Systems	9/1/2016	100	Bid Set	
Division 22 - Plumbing						
220010	0	Basic Pluming Requirements	9/1/2016	100	Bid Set	
220500	0	Motors, Started & Auxiliaries	9/1/2016	100	Bid Set	
220510	0	Electric Wiring	9/1/2016	100	Bid Set	
220610	0	Piping Systems & Accessories	9/1/2016	100	Bid Set	
220620	0	Valves	9/1/2016	100	Bid Set	
220700	0	Insulation	9/1/2016	100	Bid Set	
220900	0	Guages and Thermometers	9/1/2016	100	Bid Set	
221100	0	Water Supply	9/1/2016	100	Bid Set	
221300	0	Waste Water Systems	9/1/2016	100	Bid Set	
222000	0	LP Gas Systems	9/1/2016	100	Bid Set	
223000	0	Equipment	9/1/2016	100	Bid Set	
224000	0	Plumbing Fixtures and Trim	9/1/2016	100	Bid Set	
Division 23 - HVAC						
230010	0	Basic Mechanical Requirements	9/1/2016	100	Bid Set	
230500	0	Motors, Started & Auxiliaries	9/1/2016	100	Bid Set	
230510	0	Electric Wiring	9/1/2016	100	Bid Set	
230590	0	Adjusting & Balancing	9/1/2016	100	Bid Set	
230610	0	Piping Systems & Accessories	9/1/2016	100	Bid Set	
230620	0	Valves	9/1/2016	100	Bid Set	

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230700	0	Insulation	9/1/2016	100	Bid Set	
230900	0	Guages and Thermometers	9/1/2016	100	Bid Set	
230920	0	Control System	9/1/2016	100	Bid Set	
231000	0	Pumps	9/1/2016	100	Bid Set	
232100	0	Water Systems Specialties	9/1/2016	100	Bid Set	
233100	0	Sheet Metal Construction & Accessories	9/1/2016	100	Bid Set	
233210	0	Air Louvers	9/1/2016	100	Bid Set	
233300	0	Fire Dampers	9/1/2016	100	Bid Set	
233400	0	Fans	9/1/2016	100	Bid Set	
233610	0	Air Terminal Units VAV - Reheat	9/1/2016	100	Bid Set	
233700	0	Registers & Diffusers	9/1/2016	100	Bid Set	
235240	0	Condensing Gas Boilers and Accessories	9/1/2016	100	Bid Set	
237200	0	Heat Recover Unit	9/1/2016	100	Bid Set	
237400	0	Package Rooftop Unit	9/1/2016	100	Bid Set	
238153	0	Ductless Split heat Pump Units	9/1/2016	100	Bid Set	
238216	0	Duct Coils	9/1/2016	100	Bid Set	
238239	0	Unit Heaters and Cabinet Unit Heaters	9/1/2016	100	Bid Set	
Division 26 - Electrical						
260010	0	Basic Electrical Requirments	9/1/2016	100	Bid Set	
260500	0	Basic Methods and Matlerals	9/1/2016	100	Bid Set	
260519	0	Low Voltage	9/1/2016	100	Bid Set	
260526	0	Grounding	9/1/2016	100	Bid Set	
260533	0	Raceways	9/1/2016	100	Bid Set	
262400	0	Power Distribution System (Low Voltage)	9/1/2016	100	Bid Set	
262726	0	Wire Devices	9/1/2016	100	Bid Set	
264313	0	Surge Suppression	9/1/2016	100	Bid Set	
265000	0	Lighting System	9/1/2016	100	Bid Set	
Division 27 - Communications						
270000	0	Communication, General	9/1/2016	100	Bid Set	
270010	0	Basic Communications Requirements	9/1/2016	100	Bid Set	
271000	0	Cooper Telecommunications Wiring System	9/1/2016	100	Bid Set	
Division 28 - Electronic Safety & Security						
280010	0	Basic Electronic Safety and Security Requirements	9/1/2016	100	Bid Set	
283700	0	Analogue Addressable Fire Alarm System	9/1/2016	100	Bid Set	
Divison 31 - Earthwork						
311000	0	Site Demolition & Clearing	9/1/2016	100	Bid Set	
312219.13	0	Topsoil	9/1/2016	100	Bid Set	
312300	0	Site & Landscape Earthwork	9/1/2016	100	Bid Set	

Current Document Log

Number	Rev	Title	Rev Date	% Complete	Category	General Notes
312316.13	0	Trencing, Backfilling, & Compacting	9/1/2016	100	Bid Set	
312316.14	0	Buried Pipe Installation	9/1/2016	100	Bid Set	
312319	0	Dewatering	9/1/2016	100	Bid Set	
312500	0	Temporary Soil Erosion & Water Pollution Controls	9/1/2016	100	Bid Set	
Division 32 - Exterior Improvements						
321116	0	Pavement Base	9/1/2016	100	Bid Set	
321216	0	Asphalt Concrete Pavement	9/1/2016	100	Bid Set	
321313	0	Concrete Pavement	9/1/2016	100	Bid Set	
321613.43	0	Granite Curb	9/1/2016	100	Bid Set	
321723.13	0	Pavement Marking	9/1/2016	100	Bid Set	
329219	0	Seeding	9/1/2016	100	Bid Set	
329300	0	Planting	9/1/2016	100	Bid Set	
Divsion 33 - Utilities						
331113.13	0	Ductile Iron Water Distribution Pipe	9/1/2016	100	Bid Set	
331216	0	Gate Valves & Valve Boxes	9/1/2016	100	Bid Set	
333113.1	0	Polyvinyl Chloride Pipie for Sewers	9/1/2016	100	Bid Set	
333913	0	Sanitary Ser Manholes	9/1/2016	100	Bid Set	
334113.1	0	High Density Polyethylene Drainage Pipe	9/1/2016	100	Bid Set	
334413.1	0	Altering Exisitng Manholes and Intlets	9/1/2016	100	Bid Set	
334913	0	Drainage Structures	9/1/2016	100	Bid Set	

Prolog Manager Printed on: 10/10/2016

DEW CONSTRUCTION CORP

Brattleboro Central Fire Station - 2016
GMP Estimate - (10-10-16)
D.E.W. Corporation/MacMillin, LLC - Williston, VT & Keene, NH

Project name	Central Fire GMP Brattleboro VT 05301
Estimator	JAG
Job size	24940 SF

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
2.000		**SITE WORK**						
	2.001	Sitework Sub						
		Sitework Subcontractor	1.00 bd	-	-	146,500	-	146,500
		Site Foreperson, Site Coordination & Controls	1.00 ls	-	-	50,000	-	50,000
		Sitework Sub	24,940.00 sf			196,500		196,500
	2.003	Selective Demolition						
		Dustproof Partitions	1,200.00 sf	3,667	3,900	-	-	7,567
		Selective Demo Subcontractor	1.00 bd	-	-	105,640	-	105,640
		Selective Demolition	24,940.00 sf	3,667	3,900	105,640		113,207
	2.004	Temporary Barricades						
		Temporary Chainlink Fence	360.00 lf	-	-	2,700	-	2,700
		Temporary Gate - 2 Vehicular	2.00 ea	-	-	1,500	-	1,500
		Temporary Barricades	24,940.00 sf			4,200		4,200
	2.005	Site Layout						
		Site Layout	1.00 ls	-	-	2,500	-	2,500
		Site Layout	24,940.00 sf			2,500		2,500
	2.008	Hazardous Material						
		Hazardous Materials Abatement Subcontractor	1.00 bd	-	-	23,000	-	23,000
		Hazardous Material	24,940.00 sf			23,000		23,000
	2.715	Stockade Fence						
		Fences and Gates Subcontractor	1.00 bd	-	-	4,250	-	4,250
		Stockade Fence	24,940.00 sf			4,250		4,250
	2.760	Site Furnishings						
		Bike Rack	1.00 ea	200	1,250	-	-	1,450
		Site Furnishings	24,940.00 sf	200	1,250			1,450
	2.800	Landscaping						
		Landscaping Subcontractor	1.00 bd	-	-	9,785	-	9,785
		Landscaping	24,940.00 sf			9,785		9,785
		SITE WORK	**24,940.00 SF**	**3,867**	**5,150**	**345,875**		**354,892**
3.000		**CONCRETE**						
	3.001	Concrete Sub - Foundation						
		Concrete Foundation Subcontractor	1.00 bd	-	-	91,000	-	91,000
		Concrete Foundation Subcontractor - Stair No. 6	1.00 bd	-	-	6,750	-	6,750
		Concrete Sub - Foundation	24,940.00 sf			97,750		97,750
	3.002	Concrete Sub - Flatwork						
		SOG & SOD Complete Subcontractor	1.00 bd	-	-	79,827	-	79,827
		Concrete Sub - Flatwork	24,940.00 sf			79,827		79,827
	3.003	Concrete - Material						
		3000psi Concrete - Foundations	320.00 cy	-	36,608	-	-	36,608
		4000psi Concrete - SOG	145.00 cy	-	17,386	-	-	17,386
		4000psi Concrete - SOD	45.00 cy	-	5,396	-	-	5,396
		4000psi Concrete - Apron Slab	70.00 cy	-	8,393	-	-	8,393
		4000psi Concrete - Sidewalk & Pads	20.00 cy	-	2,398	-	-	2,398
		Corrosion Inhibiting Admixture at Door Pads - 3 gallons per cy	4.00 cy	-	132	-	-	132
		Corrosion Inhibiting Admixture at Apron SOG - 3 gallons per cy	70.00 cy	-	2,310	-	-	2,310
		Concrete Additives - Super Plasticizer in Slabs	280.00 cy	-	2,079	-	-	2,079
		Hot Water for Winter Concrete - Slabs	280.00 cy	-	2,156	-	-	2,156
		4000 psi Peastone Conc	4.00 cy	-	660	-	-	660
		Concrete - Material	24,940.00 sf		77,517			77,517
	3.150	Expansion & Contraction Joints						

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
	3.150	Expansion & Contraction Joints						
		Slab Exp Joint Filler	220.00 lf	275	220	-	-	495
		Column Isolation Joints	150.00 lf	188	150	-	-	338
		Sealant @ Const. Joints	670.00 lf	838	235	-	-	1,072
		Sawcut Control Joints	670.00 lf	603	335	-	335	1,273
		Expansion & Contraction Joints	24,940.00 sf	1,903	940		335	3,178
	3.200	Concrete Reinforcment						
		Concrete Reinforcement - Foundations - 125#/cy	20.00 tn	-	22,000	-	-	22,000
		Concrete Reinforcement - Slabs - 150#/cy	13.00 tn	7,540	14,300	-	-	21,840
		Drill & Grout Dowels @ New to Old Foundations (7 locations)	56.00 ea	1,400	280	-	-	1,680
		Dowel Baskets at Control Joints	600.00 lf	-	3,000	-	-	3,000
		Chairs @ SOG	2,007.00 lf	-	803	-	-	803
		Concrete Reinforcment	24,940.00 sf	8,940	40,383			49,323
	3.226	Wire Mesh						
		Chairs WWF/Supports - SOD	810.00 lf	-	324	-	-	324
		Chairs WWF/Supports - Walk	225.00 lf	-	90	-	-	90
		6x6 6/6 - W2.9xW2.9 WWF - Walk	900.00 sf	-	574	-	-	574
		6x6 8/8 - W2.1xW2.1 WWF - SOD	3,250.00 sf	-	1,747	-	-	1,747
		Wire Mesh	24,940.00 sf		2,735			2,735
	3.228	Vapor Barrier						
		Stego Vapor Barrier & Tape	8,000.00 sf	0	2,640	-	-	2,640
		Vapor Barrier	24,940.00 sf		2,640			2,640
	3.365	Concrete Slab Sealer						
		Concrete Sealer	8,710.00 sf	-	-	16,985	-	16,985
		Concrete Slab Sealer	24,940.00 sf			16,985		16,985
	3.366	Concrete Curing						
		Protect and Cure Slabs	14,600.00 sf	1,460	730	-	-	2,190
		Concrete Curing	24,940.00 sf	1,460	730			2,190
	3.367	Rub Exposed Concrete						
		Rub Exposed Concrete	350.00 sf	3,115	47	-	-	3,162
		Rub Exposed Concrete	24,940.00 sf	3,115	47			3,162
	3.980	Anchor Bolts						
		Set Column Anchor Bolts	196.00 ea	2,832	-	-	-	2,832
		Anchor Bolts	24,940.00 sf	2,832				2,832
	3.990	Water Stops						
		Dumbell Water Stops - Elevator Pit	30.00 lf	150	75	-	-	225
		Dumbell Water Stops - Cut Into Ledge	20.00 lf	500	50	-	-	550
		Water Stops	24,940.00 sf	650	125			775
		CONCRETE	**24,940.00 SF**	**18,900**	**125,116**	**194,562**	**335**	**338,912**
4.000		**MASONRY**						
	4.002	Masonry Subcontractor						
		Install HM Door Frames	29.00 ea	-	-	2,900	-	2,900
		Masonry Subcontractor	1.00 bd	-	-	388,500	-	388,500
		Masonry Subcontractor	24,940.00 sf			391,400		391,400
	4.007	Winter Weather						
		Winter Weather Heat Equipment - THP-550	4.00 mo	-	-	-	10,344	10,344
		Maintain Enclosures & Heaters	692.00 hr	24,220	1,384	519	519	26,642
		Winter Weather	24,940.00 sf	24,220	1,384	519	10,863	36,986
	4.395	Control Joints						
		Control Joints Fillers	600.00 lf	3,900	780	-	300	4,980

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
		Control Joints	24,940.00 sf	3,900	780		300	4,980
	4.710	Masonry Restoration						
		Masonry Cleaning and Sealing at Existing	4,300.00 sf	4,300	645	-	2,150	7,095
		Masonry Restoration	24,940.00 sf	4,300	645		2,150	7,095
	4.980	Anchor Bolts / Embeds						
		Set Base Plates Furnished by Others	12.00 ea	780	30	-	-	810
		Set T.O.W. Clips Furnished by Others	238.00 ea	15,470	595	-	-	16,065
		Place Lintel Sets Furnished by Others	60.00 ea	7,800	150	-	-	7,950
		Anchor Bolts / Embeds	24,940.00 sf	24,050	775			24,825
	4.998	Masonry Cut & Patch						
		Modify Door Opening for New Door	3.00 ea	780	300	-	-	1,080
		Cut & Patch New Window/Door Opening	14.00 ea	5,460	1,400	-	-	6,860
		Modify Window Opening for New Door	4.00 ea	1,040	400	-	-	1,440
		Infill Window Opening	14.00 ea	7,280	1,400	-	-	8,680
		Infill Door Opening	3.00 ea	2,340	300	-	-	2,640
		Masonry Infill @ Bsmnt Openings	2.00 ea	260	100	-	-	360
		Create Openings & Retooth Masonry at MEPF Cross-overs - Large	11.00 ea	4,290	825	-	-	5,115
		Create Openings & Retooth Masonry at MEPF Cross-overs - Medium	15.00 ea	3,900	750	-	-	4,650
		Masonry Cut & Patch	24,940.00 sf	25,350	5,475			30,825
		MASONRY	**24,940.00 SF**	**81,820**	**9,059**	**391,919**	**13,313**	**496,111**
5.000		**METALS**						
	5.100	Structural Framing						
		Structural Steel - Fab & Install Subcontractor	1.00 bd	-	-	317,000	-	317,000
		Structural Framing	24,940.00 sf			317,000		317,000
	5.500	Misc Iron						
		Misc. Metals Subcontractor	1.00 bd	-	-	163,631	-	163,631
		Misc Iron	24,940.00 sf			163,631		163,631
	5.800	Expansion Control						
		Building Expansion Joint - 2.5" - Hor	25.00 lf	938	-	-	-	938
		Building Expansion Joint - 2.5" - Vert	15.00 lf	563	-	-	-	563
		Building Expansion Joint - 3.0" - Hor	280.00 lf	10,500	-	-	-	10,500
		Building Expansion Joint - 3.0" - Vert	100.00 lf	3,750	-	-	-	3,750
		Expansion Joint Cover Supplier	1.00 bd	-	31,566		-	31,566
		Expansion Control	24,940.00 sf	15,750	31,566			47,316
		METALS	**24,940.00 SF**	**15,750**	**31,566**	**480,631**		**527,947**
6.000		**CARPENTRY**						
	6.040	Misc. Blocking						
		PT 2x6 @ Locker Bases	228.00 lf	1,425	197	-	-	1,622
		Misc. Blocking	24,940.00 sf	1,425	197			1,622
	6.050	Window/Door Blocking						
		Blocking at Doors	2,112.00 lf	5,280	1,336	-	-	6,616
		Blocking at Windows	1,200.00 lf	4,000	759	-	-	4,759
		Window/Door Blocking	24,940.00 sf	9,280	2,095			11,375
	6.070	Blocking @ Steel						
		PT 2x10 at New OH Doors	160.00 lf	800	322	-	-	1,122
		Blocking @ Steel	24,940.00 sf	800	322			1,122
	6.080	Partition Blocking						
		2x8 SPF at Millwork	600.00 lf	3,750	509	-	-	4,259
		Partition Blocking	24,940.00 sf	3,750	509			4,259

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
	6.111	Plywood Sheathing						
		Plywood - Electric Panel Back Boards	352.00 sf	880	774	-	-	1,654
		Plywood Sheathing	24,940.00 sf	880	774			1,654
	6.200	Finish Carpentry						
		Finish Carpentry Subcontractor	1.00 bd	-	-	31,917	-	31,917
		Finish Carpentry	24,940.00 sf			31,917		31,917
		CARPENTRY	**24,940.00 SF**	**16,135**	**3,896**	**31,917**		**51,948**
7.000		**THERMAL & MOISTURE PROTECTION**						
	7.100	Waterproofing						
		Waterproofing subcontractor	1.00 bd	-	-	5,016	-	5,016
		Waterproofing	24,940.00 sf			5,016		5,016
	7.160	Air Barrier						
		Fluid Applied Air Barrier Subcontractor	1.00 bd	-	-	27,475	-	27,475
		Air Barrier	24,940.00 sf			27,475		27,475
	7.210	Building Insulation						
		Building Insulation	1.00 ls	-	-	8,000	-	8,000
		Building Insulation	24,940.00 sf			8,000		8,000
	7.212	Rigid Insulation						
		2" Extruded Polystyrene @ Foundations	2,848.00 sf	1,566	4,486	-	-	6,052
		2" Extruded Polystyrene - High Density @ 8" SOG	6,800.00 sf	3,740	14,280	-	-	18,020
		2" Extruded Polystyrene - Below Apparatus Bay SOG Overlay	692.00 sf	381	1,453	-	-	1,834
		Rigid Insulation	24,940.00 sf	5,687	20,219			25,906
	7.270	Firestopping						
		Firestopping - Non-Trade	80.00 hr	4,000	1,000	-	-	5,000
		Firestopping	24,940.00 sf	4,000	1,000			5,000
	7.500	Membrane Roofing						
		Roofing Subcontractor	1.00 bd	-	-	297,050	-	297,050
		Membrane Roofing	24,940.00 sf			297,050		297,050
	7.920	Caulk & Sealants						
		Caulking Subcontractor	1.00 bd		-	12,496	-	12,496
		Caulk & Sealants	24,940.00 sf			12,496		12,496
		THERMAL & MOISTURE PROTECTION	**24,940.00 SF**	**9,687**	**21,219**	**350,037**		**380,943**
8.000		**DOORS & WINDOWS**						
	8.001	Door/Frame/Hdw Install						
		Install Frames @ Doors Not by Others	10.00 ea	1,500	-		-	1,500
		Door/Frame/Hdw Install	24,940.00 sf	1,500				1,500
	8.100	Hollow Metal Supply						
		Hollow Metal Doors/Frames Supplier	1.00 bd	-	64,280	-	-	64,280
		Hollow Metal Supply	24,940.00 sf		64,280			64,280
	8.101	Hollow Metal Doors						
		2470 HM Door Leaf - Flush	1.00 ea	230	-	-	-	230
		2670 HM Door Leaf - Flush	3.00 ea	690	-	-	-	690
		2868 HM Door Leaf - Flush	2.00 ea	460	-	-	-	460
		3068 HM Door Leaf - Flush	11.00 ea	2,528	-	-	-	2,528
		3070 HM Door Leaf - Flush	41.00 ea	9,424	-	-	-	9,424
		3070 HM Door Leaf - 1/2 Glass - G	4.00 ea	919	-	-	-	919
		3070 HM Door Leaf - Narrow View - N	14.00 ea	3,218	-	-	-	3,218
		3270 HM Door Leaf - Narrow View - N	1.00 ea	230	-	-	-	230
		3468 HM Door Leaf - Flush	1.00 ea	230	-	-	-	230

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
	8.101	Hollow Metal Doors						
		3494 HM Door Leaf - Flush w/ Transomme (ext)	1.00 ea	300	-	-	-	300
		3870 HM Door Leaf - Flush	1.00 ea	230	-	-	-	230
		Hollow Metal Doors	24,940.00 sf	18,458				18,458
	8.360	Overhead Doors						
		Overhead Door Subcontractor	1.00 bd	-	-	33,246	-	33,246
		Overhead Doors	24,940.00 sf			33,246		33,246
	8.400	Alum Entrances & Storefronts						
		Glass / Aluminum Subcontractor	1.00 bd	-	-	145,526	-	145,526
		Alum Entrances & Storefronts	24,940.00 sf			145,526		145,526
	8.520	Aluminum Windows						
		Aluminum Windows - Fixed Unit 4652 per Addendum 1 (1 ea)	24.00 sf	-	-	1,440	-	1,440
		Aluminum Windows	24,940.00 sf			1,440		1,440
	8.700	Finish Hardware						
		Finish Hardware - Aluminum Doors	2.00 ea	400	2,782	-	-	3,182
		Finish Hardware	80.00 ea	8,000	-	-	-	8,000
		Finish Hardware	24,940.00 sf	8,400	2,782			11,182
	8.999	Misc Door & Window						
		Plywood & Poly Openings After Demo	2,750.00 sf	10,313	6,188	-	-	16,500
		Misc Door & Window	24,940.00 sf	10,313	6,188			16,500
		DOORS & WINDOWS	**24,940.00 SF**	**38,671**	**73,250**	**180,212**		**292,132**
9.000		**FINISHES**						
	9.250	Gypsum Wallboard						
		Gypsum Wallboard Subcontractor	1.00 bd	-	-	134,900	-	134,900
		Gypsum Wallboard	24,940.00 sf			134,900		134,900
	9.258	GWB Ceilings / Soffits						
		GWB Ceiling on Suspended Metal Frame - Rated Cap at Elevator	72.00 sf	-	-	1,080	-	1,080
		GWB Ceilings / Soffits	24,940.00 sf			1,080		1,080
	9.510	Acoustic Ceilings						
		Acoustical Ceiling Subcontracter	1.00 bd	-	-	49,900	-	49,900
		Acoustic Ceilings	24,940.00 sf			49,900		49,900
	9.650	Resilient Floor						
		Resilient Flooring Subcontractor	1.00 bd	-	-	41,780	-	41,780
		Resilient Floor	24,940.00 sf			41,780		41,780
	9.760	Prep for Floor Finish						
		Hydraulic Cement Leveler - Existing	160.00 sf	533	800	-	-	1,333
		Floor Prep	8,400.00 sf	8,400	7,140	-	-	15,540
		Prep for Floor Finish	24,940.00 sf	8,933	7,940			16,873
	9.900	Painting						
		Painting Subcontractor	1.00 bd	-	-	54,350	-	54,350
		Painting	24,940.00 sf			54,350		54,350
		FINISHES	**24,940.00 SF**	**8,933**	**7,940**	**282,010**		**298,883**
10.000		**SPECIALTIES**						
	10.100	Visual Display Products						
		Markerboards - 3ft wide Unit	1.00 ea	50	-		-	50
		Markerboards - 4ft wide Unit	2.00 ea	100	-		-	100
		Tackboards - 3ft wide Unit	4.00 ea	200	-		-	200
		Tackboards - 6ft wide Unit	5.00 ea	250	-		-	250
		Visual Display Boards Supplier	1.00 bd	-	4,401		-	4,401

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
		Visual Display Products	24,940.00 sf	600	4,401			5,001
	10.200	Louvers & Vents						
		Louver L01 at Elevator Shaft	1.00 ea	150	-	-	-	150
		Louvers Noted on M3 and M4 Drawings - VERIFY if by HVAC	5.00 ea	750	-	-	-	750
		Louver Supplier	1.00 bd	-	2,425	-	-	2,425
		Louvers & Vents	24,940.00 sf	900	2,425			3,325
	10.260	Wall Protection						
		Wall Corner Guards - CSI CO-8	19.00 ea	475	-	-	-	475
		5/8" Rigid FRP Sheet Wall Protection at Showers	368.00 sf	767	1,840		-	2,607
		Wall Protection Supplier - Corner Guards ONLY	1.00 bd	-	1,244	-	-	1,244
		Wall Protection	24,940.00 sf	1,242	3,084			4,326
	10.400	Signage/Directories						
		Signage Subcontractor	1.00 bd	-	4,890		-	4,890
		Signage/Directories	24,940.00 sf		4,890			4,890
	10.500	Lockers						
		Lockers - 15x21x72 Sloped Tops	42.00 ea	2,100	-	-	-	2,100
		Lockers - Geargrid Turnout Gear	40.00 ea	4,000	-	-	-	4,000
		Locker Room Bench (14 lf)	4.00 ea	100	-	-	-	100
		Locker supplier	1.00 bd	-	23,925	-	-	23,925
		Lockers	24,940.00 sf	6,200	23,925			30,125
	10.522	Fire Extinguishers						
		Bracket Mtd Fire Extinguisher	12.00 ea	600	-	-	-	600
		Bracket Mtd Fire Extinguisher - 'K' Rated	1.00 ea	50	-	-	-	50
		Fire Extinguisher Supplier	1.00 bd	-	1,110	-	-	1,110
		Fire Extinguishers	24,940.00 sf	650	1,110			1,760
	10.601	Mesh Partitions						
		Wire Mesh Partitions Subcontractor	1.00 bd	-	-	9,050	-	9,050
		Mesh Partitions	24,940.00 sf			9,050		9,050
	10.800	T&B Accessories						
		Toilet Paper Holder - ACC 5	7.00 ea	350	-	-	-	350
		Paper Towel Dispenser - ACC 3	8.00 ea	400	-	-	-	400
		Mirror - ACC 2	8.00 ea	400	-	-	-	400
		Grab Bars - ACC 1	24.00 ea	1,200	-	-	-	1,200
		Soap Dispenser - ACC 4	8.00 ea	400	-	-	-	400
		Robe Hooks - ACC 6	5.00 ea	250	-	-	-	250
		Stainless Steel Rod & Curtain w/Hooks	5.00 ea	250	-	-	-	250
		Mop Holder	2.00 ea	100	-	-	-	100
		Supplier T&B Accessories	1.00 bd	-	1,907	-	-	1,907
		T&B Accessories	24,940.00 sf	3,350	1,907			5,257
		SPECIALTIES	**24,940.00 SF**	**12,942**	**41,742**	**9,050**		**63,734**
11.000		**EQUIPMENT**						
	11.452	Equipment						
		Kitchen Appliances Supplier	1.00 bd		17,326	-	-	17,326
		Dishwasher - KitchenAid 39 dBA Dishwasher	1.00 ea	100	-	-	-	100
		Refrigerator - GE Series Energy Star 28.5 cu. ft. French-Door Refrigerator	2.00 ea	200	-	-	-	200
		Range - Wolf 60" Propane, 6 burners, 2 Ovens, Charbroiler & Infrared Griddle	1.00 ea	200	-	-	-	200
		Microwave Oven - GE Energy Star Profile Series 1.5 cu. ft	1.00 ea	50	-	-	-	50
		Clothes Washer - GE Series Energy Star 4.5 DOE cf Capacity Right Height Design Front Load Washer	1.00 ea	100	-	-	-	100
		Clothes Dryer - GE 7.5 cf Capacity Frontload Dryer	1.00 ea	100	-	-	-	100

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
	11.452	Equipment						
		Uncrate	7.00 ea	350	-	-	-	350
		Equipment	24,940.00 sf	1,100	17,326			18,426
	11.999	Miscellaneous						
		Dayton Trolley Hoist	1.00 ea	200	500	-	-	700
		Miscellaneous	24,940.00 sf	200	500			700
		EQUIPMENT	**24,940.00 SF**	**1,300**	**17,826**			**19,126**
12.000		**FURNISHINGS**						
	12.500	Window Treatment						
		Window Treatment Subcontractor	1.00 bd	-	-	4,840	-	4,840
		Window Treatment	24,940.00 sf			4,840		4,840
		FURNISHINGS	**24,940.00 SF**			**4,840**		**4,840**
14.000		**CONVEYING SYSTEMS**						
	14.200	Elevators						
		Elevator Subcontractor	1.00 bd	-	-	107,000	-	107,000
		Elevators	24,940.00 sf			107,000		107,000
		CONVEYING SYSTEMS	**24,940.00 SF**			**107,000**		**107,000**
21.000		**FIRE PROTECTION**						
	21.020	Sprinkler						
		Sprinkler Subcontractor	1.00 bd	-	-	47,440	-	47,440
		Sprinkler	24,940.00 sf			47,440		47,440
		FIRE PROTECTION	**24,940.00 SF**			**47,440**		**47,440**
23.000		**HVAC**						
	23.010	HVAC Sub						
		HVAC Subcontractor	1.00 bd	-	-	709,476	-	709,476
		HVAC Subcontractor - Temp Oil Tank & Pumps & Pad	1.00 bd	250	350	4,500	-	5,100
		HVAC Sub	24,940.00 sf	250	350	713,976		714,576
		HVAC	**24,940.00 SF**	**250**	**350**	**713,976**		**714,576**
26.000		**ELECTRICAL**						
	26.010	Electrical Sub						
		Electrical Subcontractor	1.00 bd	-	-	339,601	-	339,601
		Electrical Subcontractor - Ex Generator Temp Relocations & Pad	1.00 bd	200	250	-	-	450
		Electrical Sub	24,940.00 sf	200	250	339,601		340,051
		ELECTRICAL	**24,940.00 SF**	**200**	**250**	**339,601**		**340,051**
28.000		**ELECTRONIC SAFETY & SECURITY**						
	28.010	Security & Detection						
		Doorbell System - per NCA 09/28/16 Email	1.00 ls	-	-	1,650	-	1,650
		Security & Detection	24,940.00 sf			1,650		1,650
		ELECTRONIC SAFETY & SECURITY	**24,940.00 SF**			**1,650**		**1,650**
90.000		**ALLOWANCES**						
	90.100	Project Allowances						
		Allowance-Remove Existing Oil Tank ALLOWANCE	1.00 ls	-	-	10,000	-	10,000
		Allowance-Cold Weather Site Soils Management ALLOWANCE	1.00 ls	-	-	25,000	-	25,000
		Allowance-Unknown Conditions & Phasing Considerations ALLOWANCE	1.00 ls	-	-	30,000	-	30,000
		Allowance-Cold Weather Enclosures & Heat for Foundations ALLOWANCE	1.00 ls	-	-	20,000	-	20,000

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
	90.100	Project Allowances						
		Allowance-Cold Weather Heat Fuel for Facility ALLOWANCE	10,100.00 gal	-	13,635		-	13,635
		Allowance-Repointing ALLOWANCE (#3)	1.00 ls	-	-	7,000	-	7,000
		Allowance-Brick Replacement ALLOWANCE (#2)	1.00 ls	-	-	18,000	-	18,000
		Allowance-Remove Items from Existing Facade ALLOWANCE	1.00 ls	-	-	5,000	-	5,000
		Project Allowances	24,940.00 sf		13,635	115,000		128,635
		ALLOWANCES	**24,940.00 SF**		**13,635**	**115,000**		**128,635**
95.000		**GENERAL CONDITIONS**						
	95.105	Superintendent						
		Superintendent	56.00 wk	201,600	8,904	-	21,280	231,784
		Superintendent - (Offset WFS No. 2) - See WFS2 VM Item 0.01	6.00 wk		-	5,634	-	5,634
		Superintendent	24,940.00 sf	201,600	8,904	5,634	21,280	237,418
	95.140	Project Management						
		Project Manager	56.00 wk	60,480	3,360	-	6,384	70,224
		Project Manager - (Offset WFS No. 2) - See WFS2 VM Item 0.01	6.00 wk	0	0	4,896	-	4,896
		Project Engineer	56.00 wk	53,760	-	-	3,136	56,896
		Project Engineer - (Offset WFS No. 2) - See WFS2 VM Item 0.01	6.00 wk	0	-	2,328	-	2,328
		Project Management	24,940.00 sf	114,240	3,360	7,224	9,520	134,344
	95.160	Project Safety						
		Safety Meetings	56.00 wk	11,200	840	-	1,456	13,496
		Safety Meetings - (Offset WFS No. 2) - See WFS2 VM Item 0.01	6.00 wk	0	0	1,128	0	1,128
		Director of Safety	56.00 wk	8,960	840	-	1,064	10,864
		Project Safety	24,940.00 sf	20,160	1,680	1,128	2,520	25,488
	95.170	Project Assistant						
		Project Assistant	56.00 wk	11,200		-	784	11,984
		Project Assistant - (Offset WFS No. 2) - See WFS2 VM Item 0.01	6.00 wk	0	0	2,088	0	2,088
		Project Assistant	24,940.00 sf	11,200		2,088	784	14,072
	95.175	Project Accounting						
		Accounting Clerk	56.00 wk	5,600		-	392	5,992
		Project Accounting	24,940.00 sf	5,600			392	5,992
	95.205	Job Communications						
		Job Phone - Hook Up	1.00 ea	-	250	-	-	250
		Job Phone	13.00 mo	-	2,925	-	-	2,925
		Job Phone - Cell Phone	13.00 mo	-	1,625	-	-	1,625
		Internet Service	13.00 mo	-	1,625	-	-	1,625
		Fax Service	13.00 mo	-	1,625	-	-	1,625
		Job Communications	24,940.00 sf		8,050			8,050
	95.225	Winter Weather - Snow Removals						
		Winter Weather General	17.00 wk	12,240	1,700	-	3,400	17,340
		Winter Weather - Snow Removals	24,940.00 sf	12,240	1,700		3,400	17,340
	95.240	Job Water						
		Drinking Water	13.00 mo	-	1,300	-	-	1,300
		Job Water	24,940.00 sf		1,300			1,300
	95.301	Job Office Trailers						
		Office Trailer - Mac / DEW	13.00 mo	2,340	975	-	3,900	7,215
		Office Trailer - Deliver & Setup & Remove	1.00 ea	-	-	1,200	-	1,200
		Field Office Equipment General	13.00 mo	-	1,950	-	-	1,950
		Job Office Trailers	24,940.00 sf	2,340	2,925	1,200	3,900	10,365
	95.315	Temporary Toilets						
		Temporary Toilet - 3 each	13.00 mo	-	4,680	-	-	4,680

Group	Phase	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Total Amount
		Temporary Toilets	24,940.00 sf		4,680			4,680
	95.325	Temporary Fire Extinguishers						
		Temporary Fire Extinguishers	10.00 ea	225	500	-	-	725
		Temporary Fire Extinguishers	24,940.00 sf	225	500			725
	95.340	Job Safety						
		Safety Rails - 2x4 at Perimeters	1,000.00 lf	5,000	500	-	-	5,500
		Safety Rails - 2x4 at Interior Shafts	100.00 lf	500	50	-	-	550
		Job Safety	24,940.00 sf	5,500	550			6,050
	95.345	First Aid Supplies						
		First Aid Supplies	13.00 mo	-	650	-	-	650
		First Aid Supplies	24,940.00 sf		650			650
	95.705	Daily Job Cleanup						
		Daily Jobsite Cleanup	56.00 wk	25,200	-	-	-	25,200
		Daily Job Cleanup	24,940.00 sf	25,200				25,200
	95.708	Rubbish Removal						
		Dumpsters (ea)	28.00 ea	-	21,000	-	-	21,000
		Rubbish Removal	24,940.00 sf		21,000			21,000
	95.710	Final Cleaning						
		Final Cleaning (sf)	24,940.00 sf	-	-	8,729	-	8,729
		Final Cleaning - Windows	1,280.00 sf	-	-	1,536	-	1,536
		Final Cleaning	24,940.00 sf			10,265		10,265
	95.720	Job Record Documents						
		Record Documents - Red Line Paper Docs 'As Builts'	1.00 ea	-	300	-	-	300
		Maintenence Manuals - on CD - include MEP	5.00 ea	-	125	-	-	125
		Operation Manuals - on CD - include MEP	5.00 ea	-	125	-	-	125
		Job Record Documents	24,940.00 sf		550			550
	95.730	Office Expense						
		Postage - By Week	56.00 wk	-	1,120	-	-	1,120
		Office Expense	24,940.00 sf		1,120			1,120
	95.735	Blueprint Expense						
		Blueprint Expense - Per Set	20.00 ea	-	1,500	-	-	1,500
		Blueprint Expense	24,940.00 sf		1,500			1,500
	95.750	Project Signage						
		Job Sign - Architect 4'x8'	1.00 ea	300	1,200	-	-	1,500
		Job Sign - Directional	6.00 ea	600	600	-	-	1,200
		Project Signage	24,940.00 sf	900	1,800			2,700
		GENERAL CONDITIONS	**24,940.00 SF**	**399,205**	**60,269**	**27,539**	**41,796**	**528,809**

Estimate Totals

Description	Amount	Net Amount	Totals	Rate		Cost per Unit
Base Cost	**4,697,629**		**4,697,629**			
SDI	56,372			1.200	%	
Construction Contingency	140,929			3.000	%	
Field Support Center	7,680			0.150	%	
Warranty	7,680			0.150	%	
Construction Cost	**212,661**		**4,910,290**			
Performance & Payment Bond	48,642			0.950	%	
Builder's Risk Ins (By Owner)						
General Liability	38,401			0.750	%	
Insurances	**87,043**		**4,997,333**			
Const Management Fee	117,437			2.350	%	
Precon Monthly (Sept)	2,700					
Precon Monthly (Oct)	2,700					
Fee	**122,837**		**5,120,170**			
Total			***5,120,170***			***205.300 /SF***

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POLICE/FIRE FACILITIES PROJECT
OWNER EXPENSES AUTHORIZED BY THE TOWN MANAGER
(August 1, 2016 – October 12, 2016)

(Boldface items have been approved since the Town Manager's last update to the Selectboard.)

GENERAL

08/09/16	Primmer, Piper, et al.	$ 4,000.00	Bond Counsel Fees

WEST BRATTLEBORO FIRE STATION

10/12/16	**The Richards Group**	**$ 21,941.00**	**Builder's Risk Insurance**
10/12/16	**Green Mountain Power**	**$ 320.54**	**Electricity at Construction Site**
09/29/16	DEW Construction	$ 4,448.33	Upgrade Window Panels in Cupola
09/29/16	DEW Construction	$ 1,374.41	Add 3 Windows Above Apparatus Bay
09/29/16	DEW Construction	$ 1,153.82	LED Lighting in Cupola
09/29/16	DEW Construction	$ 5,446.73	Removal of Excessive Roots in Soil
08/03/16	M+W Soils	$ 5,000.00	Testing Services

CENTRAL FIRE STATION

10/12/16	**Catamount Environmental**	**$ 707.50**	**Lead Testing**
10/12/16	**Lotus Graphics**	**$ 1,224.58**	**Copies of Construction Plans (large)**
08/05/16	Lotus Graphics	$ 369.00	Copies of Construction Plans (small)

POLICE STATION

10/07/16	**Lotus Graphics**	**$ 598.55**	**Copies of Construction Plans (large)**
10/07/16	**Lotus Graphics**	**$ 23.95**	**Copies of Construction Plans (small)**
10/03/16	**Sovernet**	**$ 950.00**	**Data Cabling**
08/08/16	DiBernardo Associates LLC	$ 4,500.00	Survey Work
08/05/16	Lotus Graphics	$ 13.00	Copies of Floor Plans + Site Plans