Town of Jackson, N.H.

Jackson Fire Station Feasibility Study

Samyn-D'Elia Architects, P.A. October 13, 2022



Jackson Fire Station Feasibility Study

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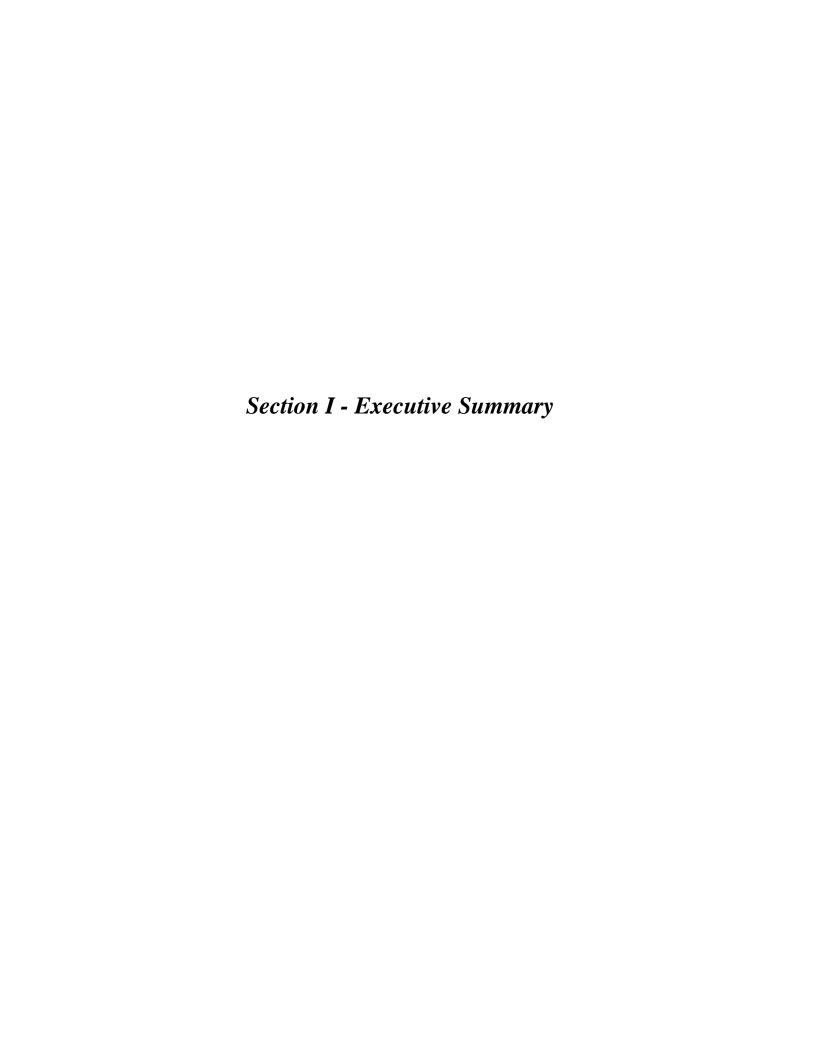
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Executive Summary

The Jackson Fire Station Feasibility Study

Site Evaluation Team:

- 1. Barbara Campbell
- 2. Jay Henry
- 3. Bill Kelly
- 4. Debony Diehl
- 5. Dick Bennett
- 6. Hank Dresch
- 7. Jerry Dougherty
- 8. Pat Kelly
- 9. Peter Benson
- 10. Burr Phillips, Civil Solutions
- 11. Ward D'Elia, Samyn D'Elia Architects

The Scope of the Site Evaluation was to:

- Current operation provides general evaluation of current fire station and the renovation requirements needed to bring the building up to required code standards.
- Establish best site for locating a new fire station complex.
- Develop space need program for new facility.
- Prepare schematic design concept of new building and required building site development.
- Prepare cost estimate of preferred concept plans.

Evaluation Process

The group met over fourteen (14) months evaluating the needs of the community and fire services. We looked at the various options to either renovate the current structure or build new on one of the two preferred sites.

Existing Fire Station Evaluation:

1. There were limitations with the current size of the existing spaces, their lay out and the building structural systems, that would not allow for the needed expansion of apparatus bays.





- 2. The building does not meet ADA standards, or NFPA code; it would be difficult to bring into requirements.
- 3. Building envelope construction systems and materials provide very poor thermal performance and are not economical to retro-fit.
- 4. Overall, the existing building did not meet the required space program requirements without major restructuring that would be more economical to achieve with a new building that did not require compromises to the program goals.

New Facility and Site:

- 1. Two sites were evaluated to accommodate the building and the necessary site service area practical for public access, vehicle mobility, parking for cars and service vehicles, and provide access to road.
- 2. Site designs for various site configurations were studied.
- 3. A building design concept was developed.
- 4. Cost estimate for site development and building construction were prepared.

Site Evaluation ~ Library

A site concept for the library site was developed and was rejected after review as being too small for the necessary building, vehicle staging and maneuvering, and automobile parking. The building size would dominate the site as you enter the town and block much of the view of the library from the road. In addition, current road access to town property in back would be blocked for future development from this location.

Site Evaluation - Current Firehouse

- The lot has sufficient size for larger building parking, and vehicle maneuverability.
- Allows for better set back distance from the road.
- Adequate parking space for emergency vehicles, volunteer fire staff and for the public.
- The plan did not interfere with current police vehicle access or current highway department vehicle access.
- Space for fuel station.
- Did not diminish the visibility of the adjacent town office or library from the road.





The design space program and goals were based on consensus of the building committee, and was used in the evaluation of the current fire station as well as the design criteria for a new building.

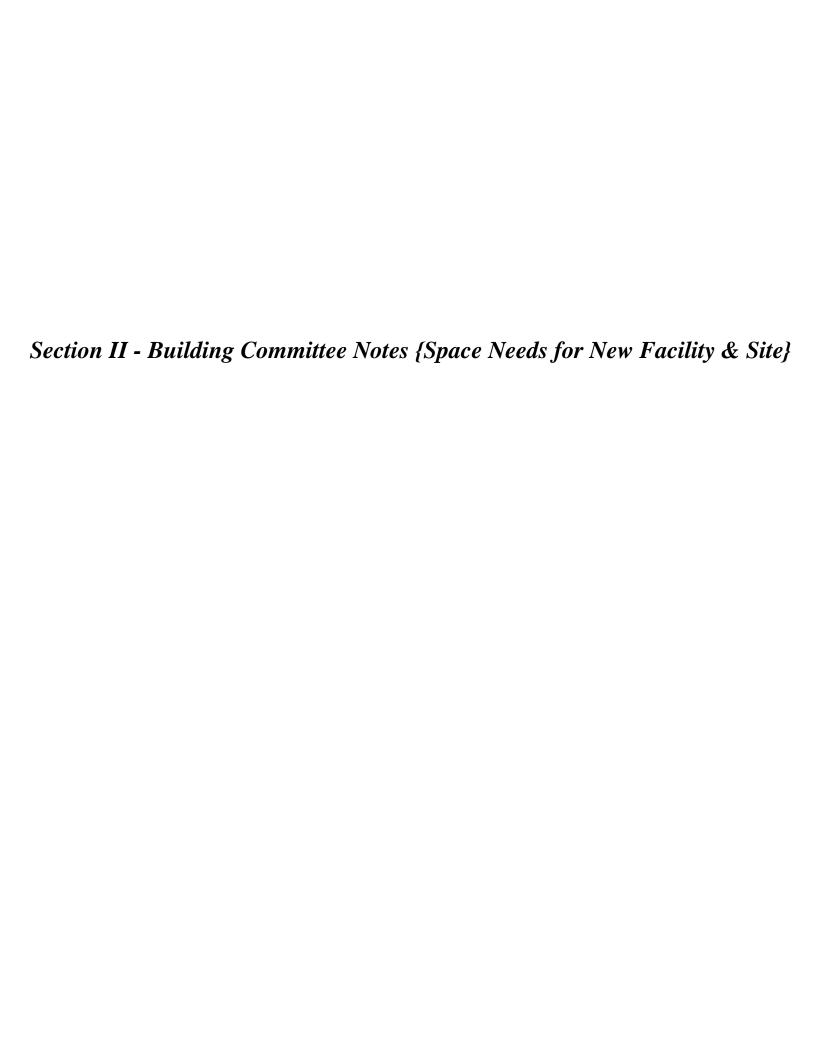
Summary

The recommended site design and building design are not meant to be definitive, but represent a possible solution that addresses the concerns and issues that the building committee set out to address.

The building architectural design is a concept of space, materials, and style that can be modified in a future design development stage.

The projected cost estimates (\$793,278 civil site work and \$4,212,645 building construction 2021), represented a detailed in-depth analysis for that point in time and is likely to be modified to reflect market conditions at some future time.

It was a pleasure to work with this building committee and be part of their knowledge, diligence, motivation and concern for the Jackson community that they were representing. I look forward to our involvement in this project, when it moves forward again.



Jackson fire station notes and ideas

- 1/ ability to stand on top of fire trucks would be great
- 2/ space around trucks to open cabinets
- 3/ enough length to replace an existing fire truck with a ladder truck if the need ever arises
- 4/6 total bays ambulance would park where pick is if ever needed

We do not anticipate more than 6 total pieces of fire apparatus

5/ we do not anticipate any growth in fire dept. membership

25 to 28 average amount of members 10 to 15 on a regular basis

6/ call dept. with a full time chief only

We could for see a second fulltime person if we ever added ems to our list of duties

As of now we do not provide any ems function

Possibility of some limited ems in distant future

We do not ever anticipate transport ems in Jackson fire station at any point. This should be done in a separate building due to square footage needs. A public safety facility would be very large and would not fit well or look well.

7/ Hose tower: this needs discussion

We could go without it if necessary

8/ ability to drive in and drive out would be preferred if possible

Discussion on this is needed. heat loss and door maintained due to amount of doors, need to be considered. High quality doors and lots of windows preferred

9/snow removal: bollards shall not interfere with snow removal, propane tanks shall not interfere with snow removal, no snow coming off roof in front of garage doors, no valleys or dormers if possible, and steel roofing is preferred

10/ low maintance exterior and low maintance roof. this will need discussion, price compared with looks

- 11/3 offices needed, 2 for now and a third for future use
- 12/ dispatch office needed with windows that face the front. Dispatch to have sliding window access to garage bays
- 13/ area needed for cleaning and maintance of scba's with washer and dryer and sink
- 14/ emergency generator location

15/ garage bays for fire apparatus: exhaust removal system, airline supplies for each truck, water resistant walls, airline refill for cascade, air compressor location for cascade compressor,

16/ epoxy floor ???? discussion with painted access lines

17/ need to look at floor drain options. with drains or no drains???? This is very expensive to maintain

18/ Heating system: we at the highway garage had poor luck with radiant under the trucks. also poor luck with a very expensive high tech furnace so we will have a large involvement in this design. Multiple heating systems, such as two ceiling hung units with the idea of if one goes out you still have heat with the other. This is way our existing station is and it works well. We also want a system that is easy to work on and not computer controlled like the unit we had trouble with. Radiant heat under the trucks did not work well with salt and grime getting baked to the bottom of trucks in the winter no matter how well you washed them.

NEW FIRE STATION IN EXISTING LOCATION

Positives: location already sold to taxpayers, the location works well with some minor changes

Negatives: close to neighbor, location of utilities, road location for highway dept.





Meeting Notes

Project Name & Number: Jackson Fire Department - 2043

Date & Location: 12/09/2020 @ Town of Jackson

Present: Jerry Dougherty, Jay Henry, Bill Kelley, Hank Dresch, Burr Phillips (Town Engineer), Ward D'Elia (Samyn-D'Elia Architects)

Distribution: Barbara Campbell, Dick Bennett, Peter Benson, Deb Diehl, Pat Kelley

Please note that the following meeting notes are an official part of the legal record for this project. Should any of the items noted not be accurate, please advise SDA immediately so the required correction can be made.

1). Began with discussing potential site issues with Burr Phillips:

- There is a requirement for a 200-400 foot sight distance at the road.
- There are some uncertainties about the location of the water line and septic field for the library.
- Potential cost to relocate utilities.
- This project may be the time to merge town property lines of the fire station, which is a separate lot, with the larger town lot.
- Some wetlands behind fire station. Would be good if this could be mitigated so the area could be usable.
- Look at some possible building location on the library end of property and limits on parking for fire stations.
- On current site possible building locations:
 - 1). Moving building back from road 50' and away from property line 25'.
 - 2). Moving back toward the town office and sit at angle facing town.

2). Design concept considerations:

- Underdrain systems for new building.
- Groundwater contingencies.
- Water usage in new station.
- Possible relocation of power utility pole street by station. NHEC is utility.
- Re-use of existing fire station building if it's not replaced on current site.
- What remaining Town needs exist that could be considered for current fire station.
- Potential relationship of roof lines and building height of fire station, town office and library along the road.
- Need to have new fire station blend into town center scale and style.

3). Preliminary program data:

- 6 trucks; 4 @ 30 ft., 1 @ 35 ft., pickup, forest trailer.
- 80 ft. length of 2 bays, 16 ft. wide, 3 bays 2 vehicles deep.
- Hose tower/drying system to be reviewed.
- Offices: Chief's w/ seating for 6, Code Enforcement, Dispatch.



- Training room/Break room to accommodate 25 30 people; training, kitchen, meeting (no separate public accessibility).
- See Jay Henry list of design criteria. Jay Henry had developed an excellent list of "Fire Station notes and ideas."
- EMS truck and office not planned for now.
- HVAC systems discussed heat types; radiant, fan coil or hot air.

^{**}Next meeting TBD, sometime the second week of January 2021**



Jackson Fire Station - Room Areas

NAME	SIZE	SF.
Training Room	18 x 31	558
Office Code Review & Building	9 x 12'-6"	112.5
Entry Foyer	8 x 18	144
Chief Office	9 x 16	144
Dispatch/Work Room	9 x 16	144
Toilet HC	7 x 7	49
Workshop	11 x 20	220
Apparatus Bay	60 x 78	4,680
Gear Room	18 x 18	324
Decon Room	18 x 17	306
Woman's Toilet/Locker	12 x 9	108
Men's Toilet/Locker	12 x 9	108
Housekeeping	6 x 9	54
Electric Room/STG	9 x 17	153
SCBA	9 x 18	162
Mechanical	20 x 12	240
Mezzanine Storage	20 x 12	240

Overall Building	80 x 100	8,000 SF

Section IV - Existing Fire Station	List of Deficiencies & Photos

Existing Building

- 1) Does not separate hazardous equipment and gear areas (dirty) from administrative and meeting areas (clean).
- 2) No administrative office areas (privacy-accessibility).
- 3) Apparatus bays too narrow for vehicles.
- 4) Existing structure limits use; columns too close.
- 5) Training room (second floor) not ADA accessible.
- **6)** No maintenance shop.
- 7) No detox washing area separation.
- 8) No sufficient storage in apparatus bays for equipment.
- **9**) Poor fire hose storage conditions.
- **10**) Apparatus bay connections to vehicles not to current standards.
- 11) SCABA equipment not secure or adequate to current standards.
- **12**) Building does not have adequate fire separation for spaces.
- **13**) Vehicle circulation and access at back of bays to narrow.
- **14**) Inadequate interior lighting for vehicle maintence and for work areas.
- 15) No floor drainage.
- **16)** Too many areas exposed to chemicals; due to poor ventilation.
- **17**) Communication equipment needs upgrade.
- **18)** Street presence for a fire station is not the best for community pride.

Photos and Remarks

Photo 1: Existing Station Facility:

• The building does not represent an image of a town fire station. Signage is inadequate for a town municipal building.

Photo 2: Back Apparatus Bay:

- o Crowded, low ceiling, ceiling not fire rated.
- o Lacks adequate room for modern size fire fighting vehicles
- o Lacks space between vehicles to perform maintenance and service safely.
- Lacks proper ventilation to exhaust vehicle fumes which is a health hazard to occupants.
- No decontamination area adjacent to vehicles for fire fighter safety. Users are subject to chemical and biological hazards from fighting fires and need to clean themselves and equipment in a timely manner.
- The apparatus bay area offers no separation of office space, vehicles and hazardous chemicals.
- Air ventilation is not adequate when overhead doors are down, as there is not fresh air brought into these spaces.
- Lighting is not adequate for proper maintenance and service of vehicles.
- Structure is not built to code and location of columns interfere with vehicle access.
- The overall conditions present are not adequate for the health and safety of the users.

Photo 3: Back Apparatus Bay:

- Crowded, Equipment is tight and does not provide adequate service area between vehicles.
- o Lighting is inadequate.
- o Thermal characteristics poor.
- Heating system and fans need to be updated.
- o Concrete slab not drained or sealed.

Photo 4: Front Apparatus Bays:

- Structure interferes with vehicle access and service.
- o Ceilings low cannot stand on truck for service.
- Lighting Poor quality, inadequately placed.
- o Ceiling not fire rated.
- Vehicle drop downs limited.

Photo 5: Front Apparatus Bay:

- o Side access hindered by vehicle connections.
- No floor drainage.
- o Storage limited.
- o Inadequate water, power, and air drops.

Photo 6: Storage for Equipment:

- o Storage area small, access limited.
- o Moving equipment difficult due to poor access.
- o Electrical panel access blocked by equipment.
- o Air tanks should be separated from general equipment storage.

Photo 7: General Work/Maintenance Area:

- Storage of hoses poor and inadequate.
- Work top table inadequate.
- o Limited shelf space for chemicals, cans, bottles and tools.

Photo 8: General Maintenance Office:

- o Inadequate office space for faculty.
- o Limited shelving and tool storage areas.
- o Space not secure or private, open to apparatus bay.
- o Lighting inadequate for office and work area.

Photo 9: Chief's Office:

- o Inadequate office space for faculty.
- o Space is not secure or private, open to apparatus bay.
- o Electrical and data services inadequate.

- No secure storage for records.
- o No wall spaces for white board, charts and shelving or cabinets.

Photo 10: Storage Shelving/Maintenance:

- Space not secure open to bay.
- o Secure cabinets lacking for hazardous chemicals.
- o Unfinished/site built shelving, not versatile.

<u>Photo 11: Site Built Personnel Lockers – (Photo Not Shown):</u>

o Inadequate for long term use, should be painted metal units.

Photo 12: Back Bay Washing and Sink Area:

- o Residential washing machine, not rated for commercial use.
- Sink Size too small, inadequately supported and no storage space for chemicals.
- o Adjacent storage area inadequate for amount of material shown.
- o Inadequate lighting/ventilation.
- No ADA bathroom.

Photo 13: Back Bay Washing, Equipment Storage and Maintenance:

- o Compressor should be in a room designed to contain noise.
- o Laundry on rolling platform (Residential Model).
- Microwave location.
- o Inadequate storage/shelving for equipment and materials.
- Space reduced by vehicles.
- o Drying lines or cleaning rags not adequate.

Photo 14: Chief's Office Area (Refer to notes with No. 9):

- o Refrigerator poorly located as office is also the day room.
- Vehicles intrude upon office and day room space.

Photo 15: Front Apparatus Bay:

- o Access in front of vehicles limited due to short bay depth.
- o Ceiling low, overhead doors low, should be minimum 14"-0'.

Photo 16: Front Apparatus Bay:

 Servicing engine bay of truck does not allow for access around vehicle. Service bar area is too short for size of vehicles.

Photo 17: Front Apparatus Bay (Back Wall):

 Access around vehicles is limited when vehicle service or access doors are opened.

Photo 18: Back Apparatus Bays:

- Limited work areas around laundry and sink, due to small bay depth and equipment.
- o Equipment blocks access to electrical panels.
- o Expose electrical wiring not secure or protected.
- o Back wall CMU shows sever horizontal cracking.
- Exposed storage of chemicals, drinks and rags does not appear neat or functional.
 Storage shelves and cabinets required.

Photo 19: Front Apparatus Bay:

 Side access around vehicles is less than adequate, limiting how much work can be done on the vehicles while inside.

Photo 20: Front Apparatus Bay:

 Structural connection at column to beam does not meet code. Structural beam has butt jointed members. Stacks of wood blocks to level beam and inadequate fasteners at the bearing plate.

Photo 21: Front Apparatus Bay:

• Structural crack in the exterior wall, under the window. Origin or reason not known. This is not a safe condition.

Photo 22: Upper Floor Office Area:

- Does not meet ADA Accessibility Code.
- Offices offer no privacy, are too small for their intended use and are not laid out functionally. Fire egress is poor.

Photo 23: *Upper Floor Office Area*:

• Records and library room/office does not have adequate storage or shelving space for intended use. Fire egress is poor.

Photo 24: *Upper Floor Day Room*:

- Space is not large enough to handle training sessions with a large group of firemen/women.
- o Inadequate storage.

Photo 25: Upper Floor Day Room:

- Kitchen is comprised of residential type cabinetry, appliances and lacks bulk storage pantry.
- Lighting is poor and ventilation is inadequate.

Photo 26: Upper Floor Day Room Toilet:

- o Inadequate facilities for female use, as urinal is not screened.
- O Step up to toilet area is hazardous.

Photo 27: Upper Floor Storage Room:

- Storage room lacks adequate storage shelving or hanging space for supplies, equipment and gear.
- o Inadequate lighting and ventilation.

Photo 28: Single Exit Fire Stairs to Upper Floor:

- Single exit stair does not provide adequate egress capacity, limiting the number of personnel on second floor areas.
- o The lower door opens into the stair area, creating a dangerous egress condition.

Photo 29: Exterior View of Back of Building:

- Existing pavement is in poor condition and is breaking up in the primary road area.
- o Building signage is undersized and not lighted.
- o Communication antennas need updating.
- o Building lacks sidewall protection from vehicle damage.

Photo 30: Exterior View of Back of Building:

- o Building roof line sheds rain and snow into path of rear garage door access.
- Rear of building lacks adequate surface water drainage and is hard to remove snow and ice from back of building.
- o Shed storage area unsightly.



















JACKSON FIRE DEPARTMENT FACILITY

TOWN OF JACKSON, NEW HAMPSHIRE



















JACKSON FIRE DEPARTMENT FACILITY

TOWN OF JACKSON, NEW HAMPSHIRE





























TOWN OF JACKSON, NEW HAMPSHIRE



New Facility Design

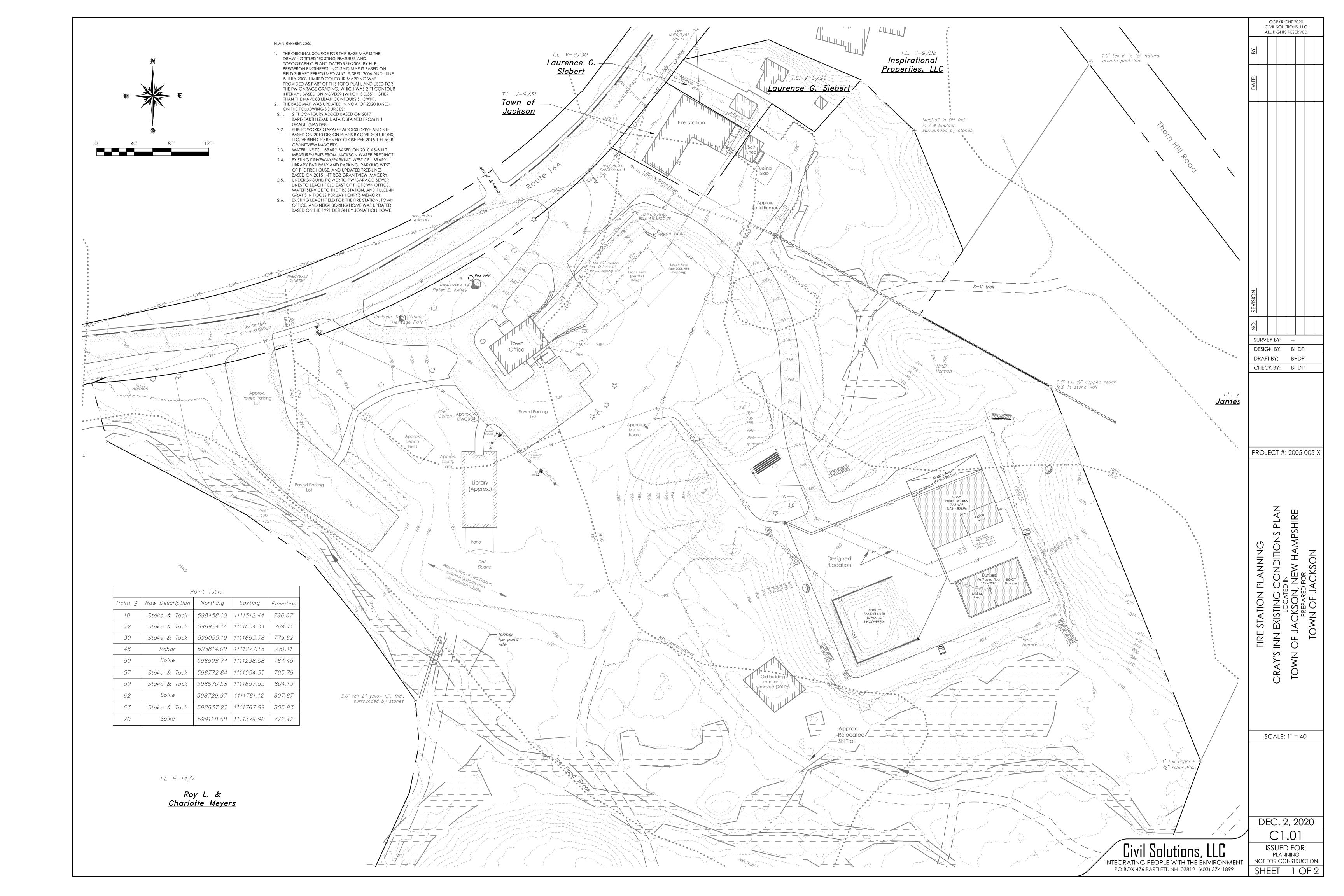
How does the proposed new facility design address the current buildings lack of space, accessibility, separation of uses, public access and adherence to current fire station design standards?

- Single story building provides accessibility for users and public access to offices and meeting room.
- Separation of offices provides privacy for users and for personnel reviews and improves productivity.
- Building is separated into administrative, apparatus ay and support areas. This allows offices and public areas to have a separate HVAC system for air quality and comfort. The apparatus bay has radiant floor heat, and an exhaust fan to remove exhaust and contaminated air quickly, for user comfort and safety.
- The support areas have specialize areas for emergency decontamination of personnel and equipment. There is a large personnel gear room for firefighter's gear storage and response.
- The separate SCABA room provides a clean and safe place to refill personnel air tanks, as well, to store tanks and gear. The toilet/shower facilities for men and women will be clean and adequate for current and future staffing.
- The building provides an energy code compliant envelope for personnel and equipment.
- The apparatus bay provides good work space between vehicles and overhead.
- The interior of the apparatus bay is day lighted with a continuous ridge skylight by Kalwall a NH company.
- The interior lights will only come on as required to augment the daylighting; thereby saving electrical cost.
- The interior vehicle bays are drained, so the vehicles can be cleaned while inside during the winter.
- The maintenance shop is self-contained room with parts storage, adequate and well lighted work areas.

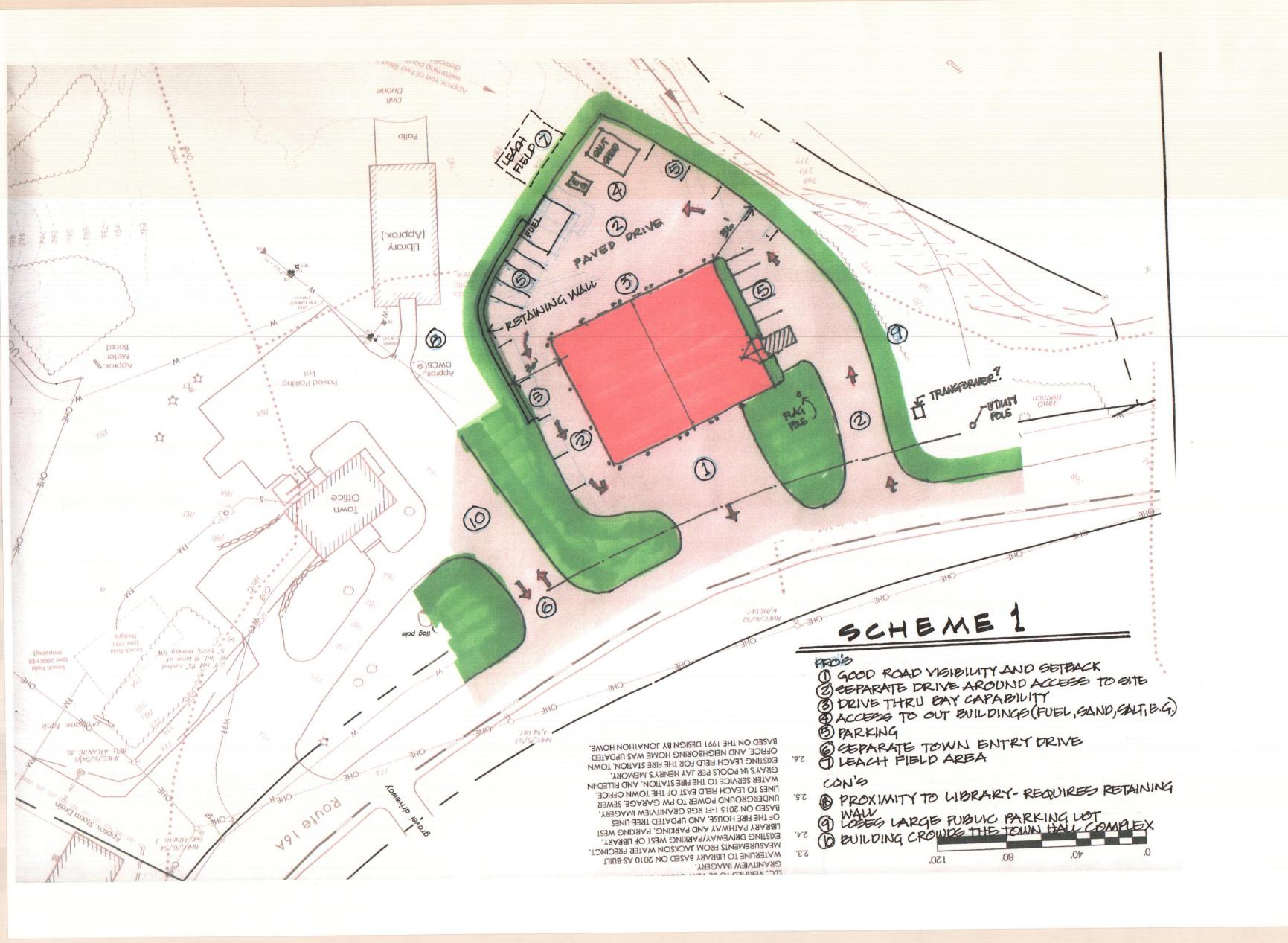
- The revised site layout will afford better access for the vehicles, as they can drive
- Through the building at two of the bays. The public has parking with ADA access.
- To the administrative areas of the building. The grading around the building is to be set to keep surface water away from the structure.

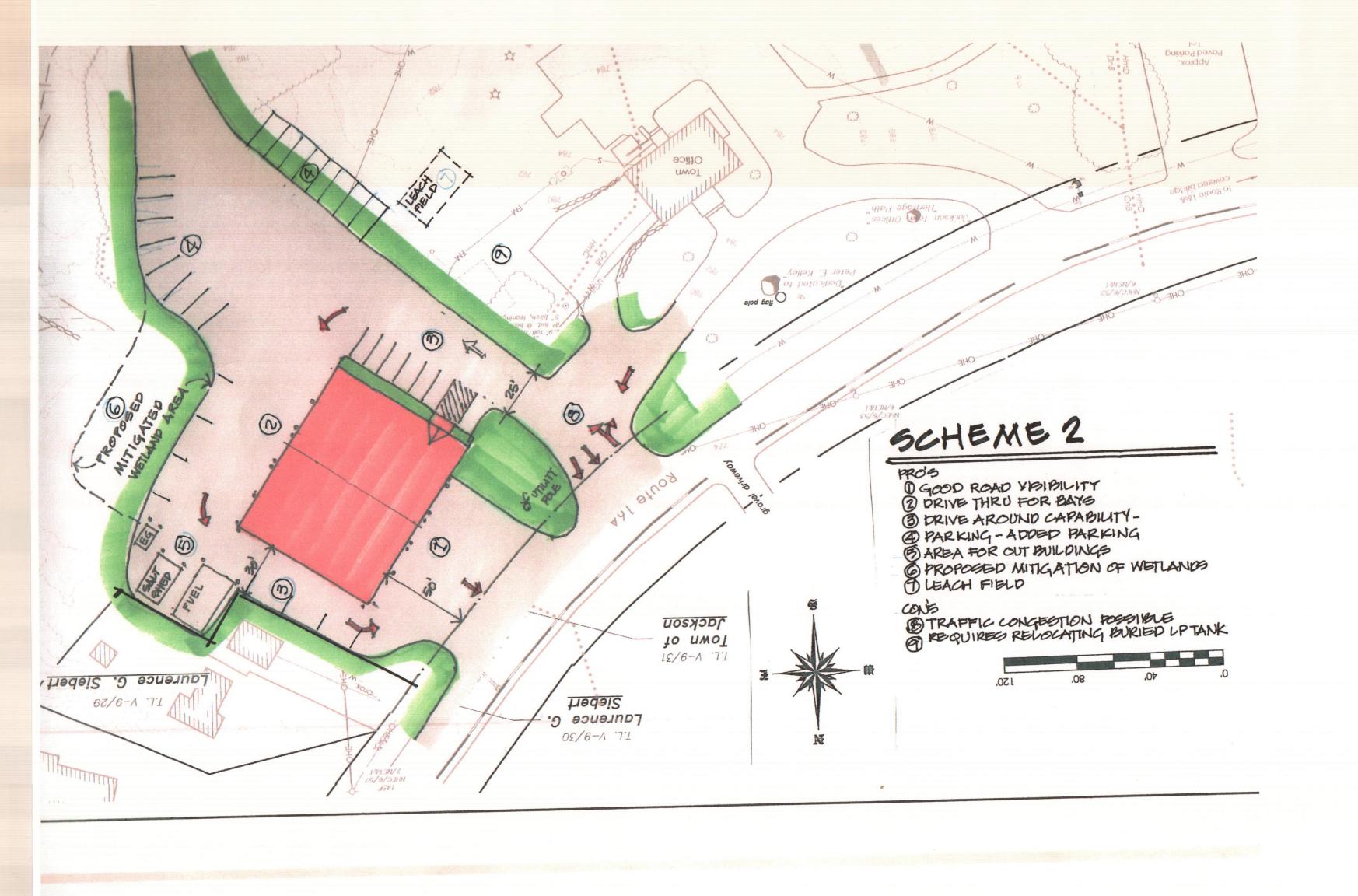
The building will have good visibility for the community and will provide a sense of pride for the township, while also providing better fire response and safety going into the future.

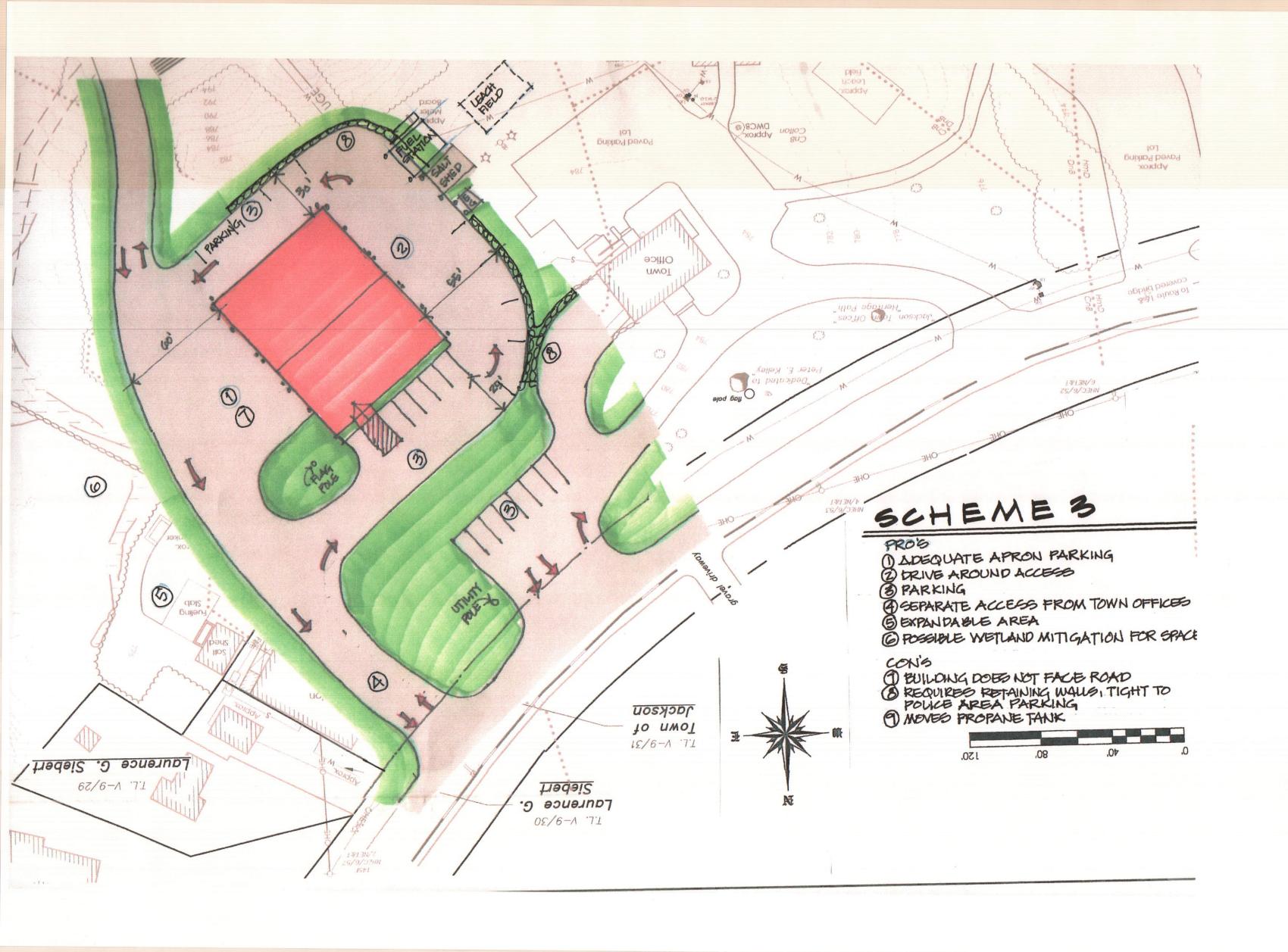
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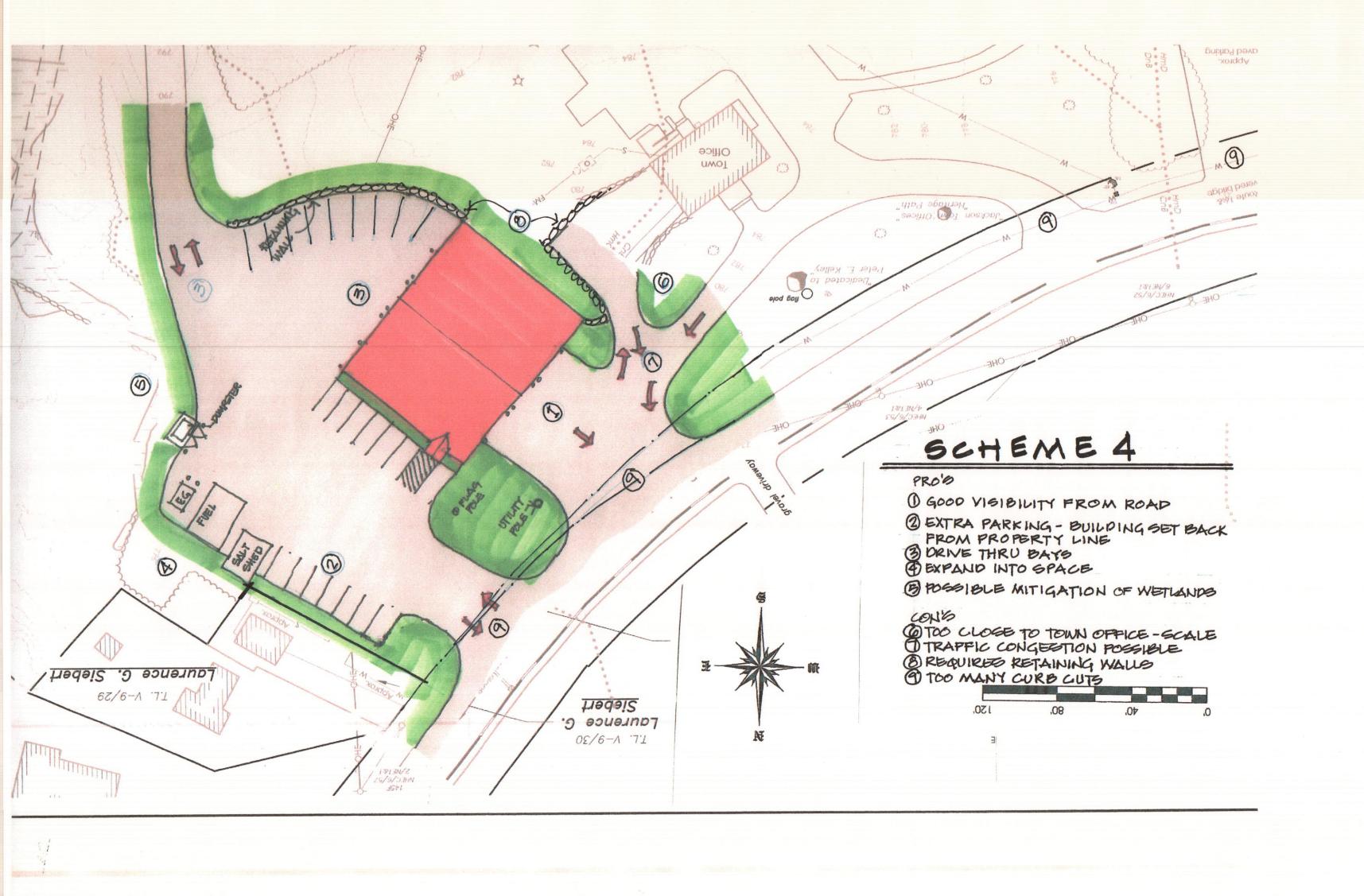




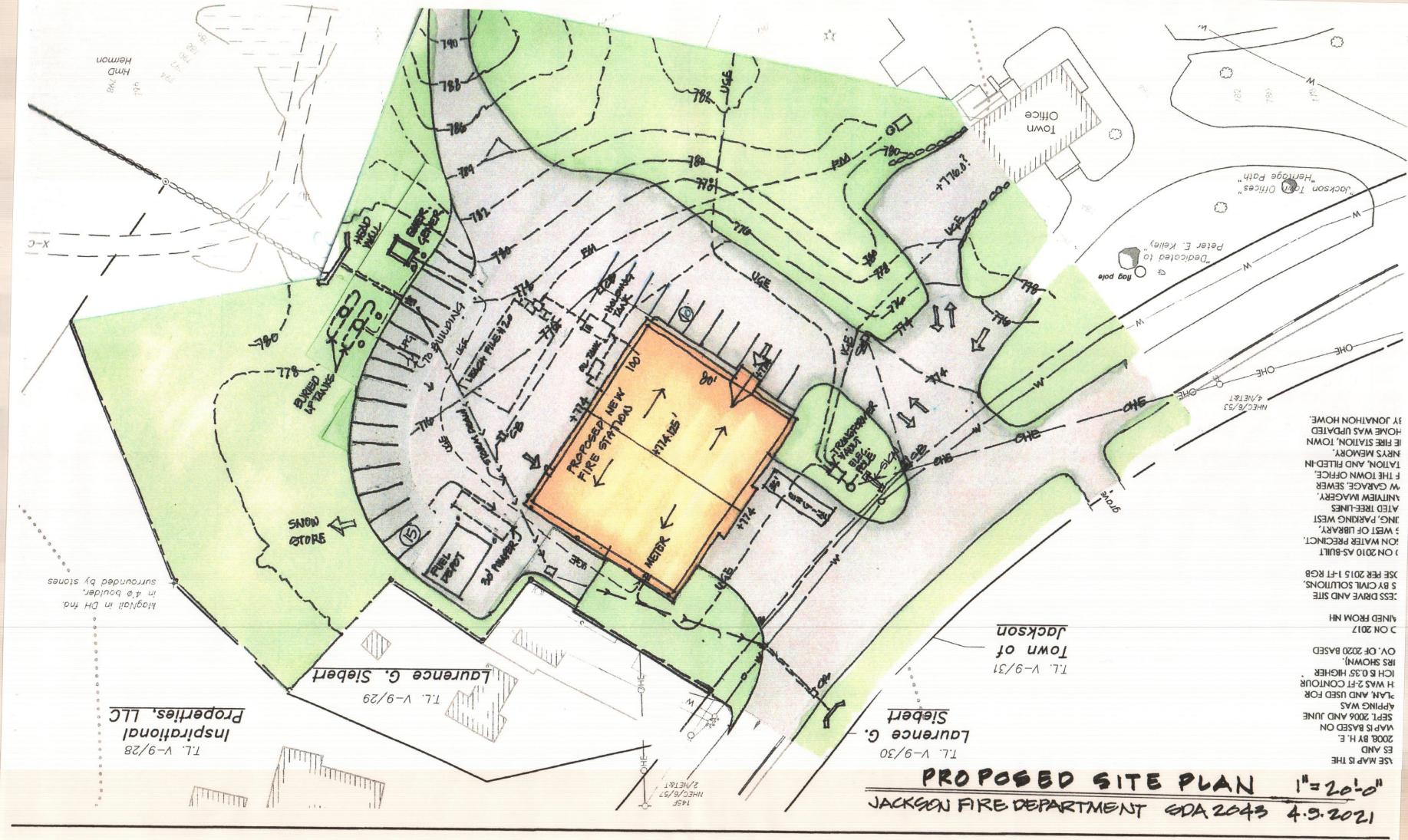






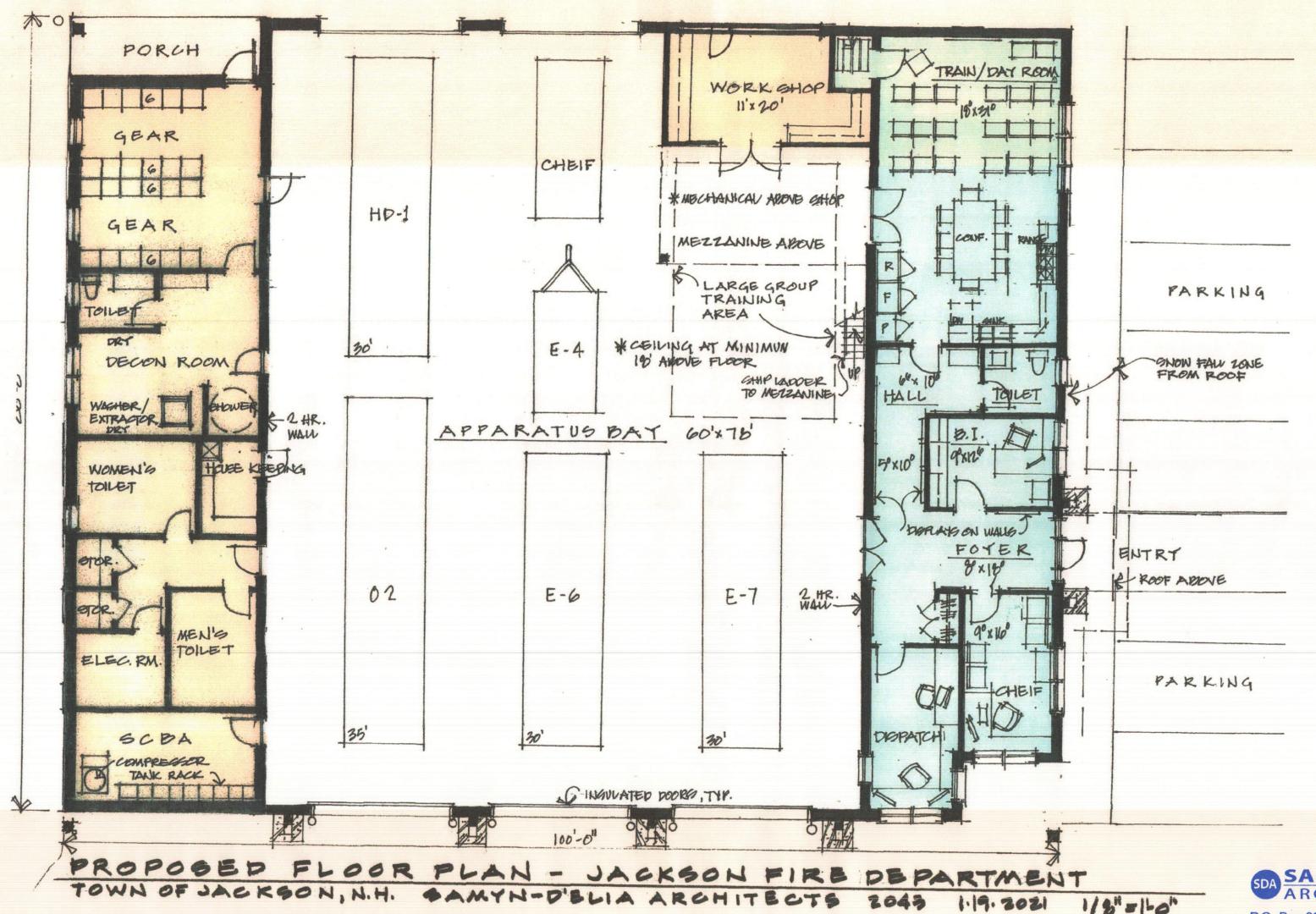








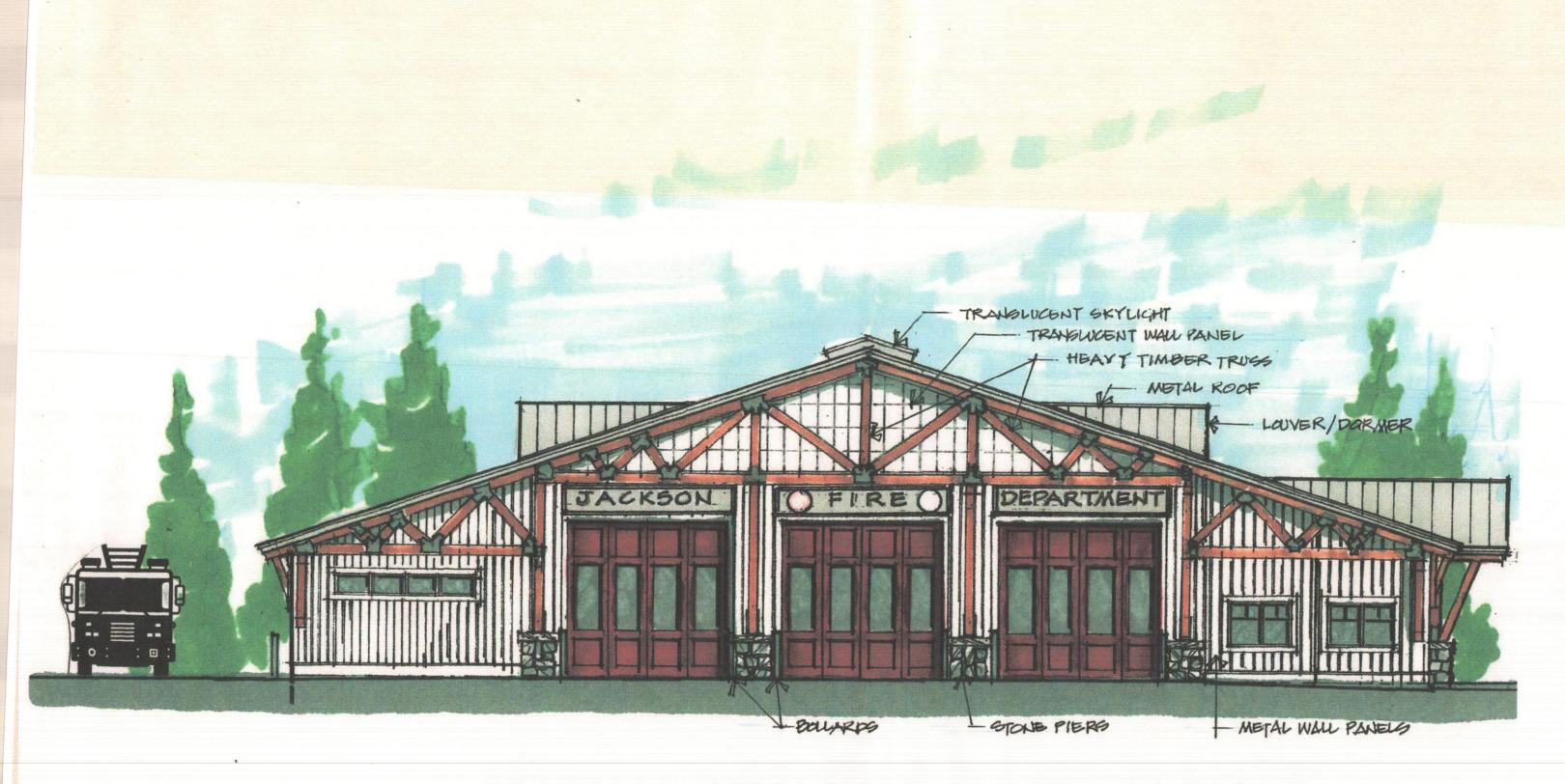
P.O. Box 229 • Holderness, NH 03245 (603) 968-7133 info@sdarchitects.com www.sdarchitects.com



SDA SAMYN - D'ELIA ARCHITECTS, P.A.

1/3"=1-0"

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PROPOSED NORTHWEST ELEVATION STUDY

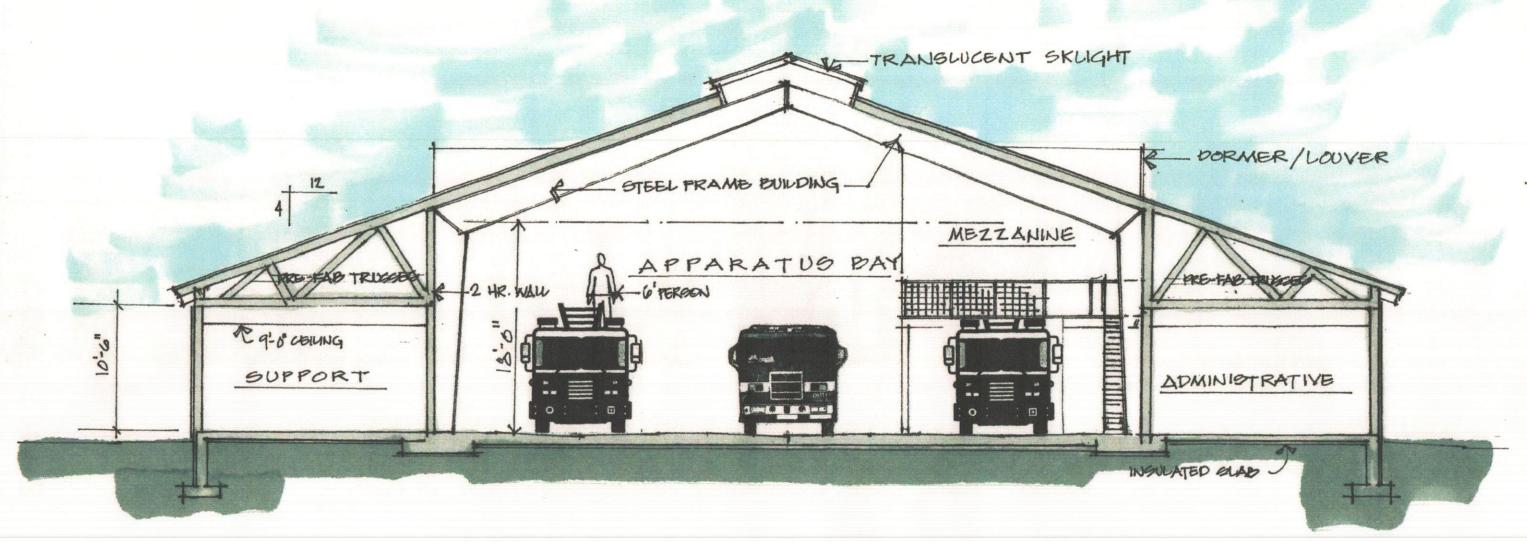
JACKSON FIRE DEPARTMENT

3.11.2021

SCALE: 1/8"=1-0"



P.O. Box 229 • Holderness, NH 03245 (603) 968-7133 info@sdarchitects.com www.sdarchitects.com



SECTION STUDY THRU BUILDING

JACKSON FIRE DEPARTMENT 3.11.2021 GOALE: 1/8"=10"

www.sdarchitects.com



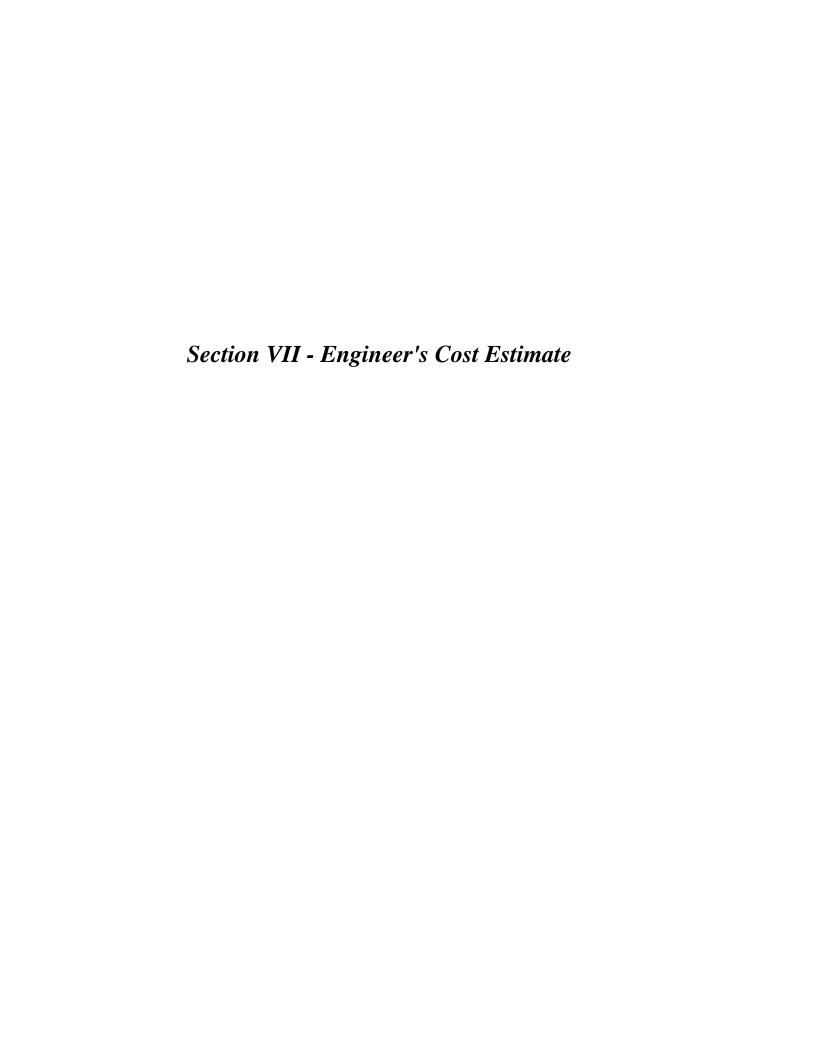
PROPOSED SOUTHWEST ELEVATION STUDY

JACKSON FIRE DEPARTMENT

3.11.2021

SCALE: 1/8"=1-0"





ENGINEER'S OPINION OF BUDGET QUANTITIES

Civil Solutions, LLC

Bartlett, NH 03812 (603) 374-1899

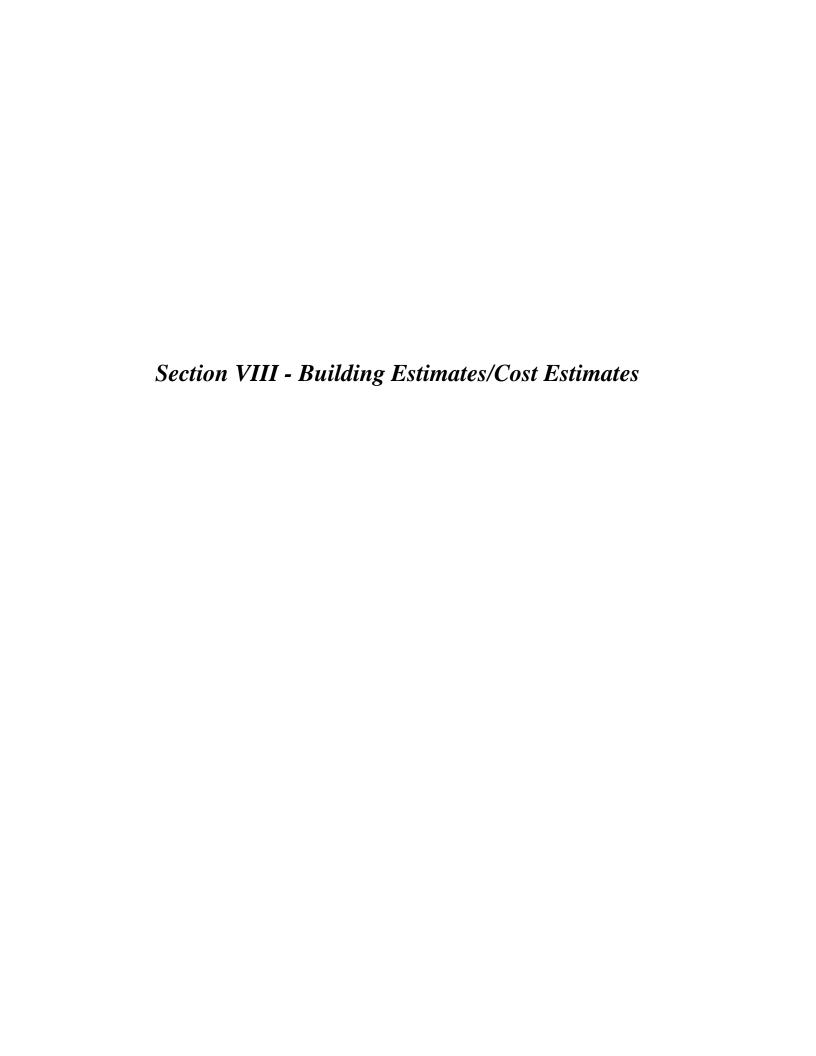
Project Data:

Client:Town of JacksonProject#:2005-005-19Project:Fire Station PlanningCalc. By:BHDPLocation:Jackson Village - Existing Site ReconstructionCheck By:BHDPSection:Site Work - Based on Conceptual DesignDate:9/13/2021

<u>Item #</u>	<u>Description</u>	Quantity	<u>Unit</u>	<u>Unit Price</u>	<u>Price</u>
Sitework	- On-Site				
1	Mobilization (Mostly Bonds)	1	LS	\$45,000.00	\$45,000.00
2	Clear & Grubbing	1.25	Ac.	\$10,000.00	\$12,500.00
3	Demo - Concrete Fueling Pad	600	SF	\$5.00	\$3,000.00
4	Demo - Asphalt Pavement - On-site	3,200	SY	\$2.25	\$7,200.00
5	Demo - Asphalt Pavement - State Hwy	70	SY	\$5.00	\$350.00
6	Demo - Stormdrains - On-site	300	LF	\$20.00	\$6,000.00
7	Demo - Catch basins	4	EA	\$500.00	\$2,000.00
8	Demo - Pump Station	1	EA	\$1,500.00	\$1,500.00
9	Demo - Leach Field	1900	SF	\$2.00	\$3,800.00
10	Demo - Force Main	160	LF	\$9.00	\$1,440.00
11	Demo - Undeground Power/Com.	60	LF	\$15.00	\$900.00
12	Relocate Utility Poles & Anchor Wires	2	EA	\$5,000.00	\$10,000.00
13	Strip & Stockpile Topsoil (6" deep)	600	CY	\$15.00	\$9,000.00
14	Excavate Subgrade (after strip)	8800	CY	\$12.00	\$105,600.00
15	Backfill to Subgrade	20	CY	\$12.00	\$240.00
16	Subgravel Separation Geotextile	3500	SY	\$3.00	\$10,500.00
17	Aggregate Base Gravels, On-Site	2300	CY	\$32.00	\$73,600.00
18	Aggregate Base Gravels, State Hwy / 16A	45	CY	\$50.00	\$2,250.00
19	Pavement (@3.5" thick)	680	Tons	\$105.00	\$71,400.00
20	Pavement (@3.5" thick)	15	Tons	\$200.00	\$3,000.00
21	Granite Curb & Sidewalk Cut/Replace	1	LS	\$2,500.00	\$2,500.00
22	Underdrain, 6" Perf. HDPE	775	LF	\$25.00	\$19,375.00
23	Underdrain, Clean-Out	5	EA	\$500.00	\$2,500.00
24	12" HDPE Culvert	30	LF	\$45.00	\$1,350.00
25	15" HDPE Culvert	260	LF	\$50.00	\$13,000.00
26	18" HDPE Culvert	45	LF	\$60.00	\$2,700.00
27	24" HDPE Culvert	300	LF	\$80.00	\$24,000.00
28	30" HDPE Culvert	85	LF	\$95.00	\$8,075.00
29	Headwall	1	EA	\$2,000.00	\$2,000.00
30	Std Catch Basins (Type B)	11	LS	\$3,000.00	\$33,000.00
31	Septic Effluent Pump Station, 4' Dia., Duplex	1	EA	\$10,000.00	\$10,000.00
32	2" Force Main	350	LF	\$20.00	\$7,000.00
33	Septic Tank. 1,000-Gal.	1	EA	\$3,000.00	\$3,000.00
34	Leachfield	1700	SF	\$25.00	\$42,500.00
35	Flr Drn - Oil/Water Separtor, 2,000-Gal.	1	EA	\$6,000.00	\$6,000.00
36	Flr Drn - Holding Tank, 2,000-Gal.	i	EA	\$6,000.00	\$6,000.00
37	Domestic Water Service, 1-inch, 50 LF	i	LS	\$4,000.00	\$4,000.00
38	Fire-Protection Service, 6-inch,	i	LS	\$20,000.00	\$20,000.00
39	Eros. Ctrl Mat	300	SY	\$3.00	\$900.00
40	Erosion & Sediment Ctrl Measures - Misc.	1	LS	\$10,000.00	\$10,000.00
41	Eros. & Sed Ctrl NPDES & Monitoring	1	LS	\$6,000.00	\$6,000.00
42	Turf Establishment w/ Mulch (incl. loam)	3300	SY	\$4.50	\$14,850.00
12	Subtotal	0000	0.	Ψ 1.00	\$608,030.00
	Contingency	20	%		\$121,606.00
	Civil Engineering & Permitting	8	%		\$48,642.40
	Permitting (Wetlands, Sptc Sys., Water, DOT)	1	ĹS		\$15,000.00
	Total Construction			_	\$793,278.40

Notes:

- Opinions of probable cost, sometimes referred to as "cost estimates", are made without any expressed or implied warranty or guarantee.
- 2 Building Demo & Construction, Foundation excavation & drainage, are part of building construction (not site-work).
- 3 Unit Prices are generally ball-park estimates from local experience
- 4 Unit Prices is Orange are wild guesses



Summary Building Cost Estimate

JOB#	2021.16		TOV	VN OF JACK	SON NH	FIRE STA	TION	<u>SD</u>	8/9/2021	
	page 1									
				Div 1: G	eneral Co	nditions				
Section	Description	Quantity/Unit	MTRL	EQPMNT	SUB	LABOR	OTHER	TOTAL	NOTES	
Section	Description	Quantity/Onit	WITKE	LGFIMINI	306	LABOR	OTTIER	IOTAL	NOTES	
600	Perf/Pay Bond	Consol sht						0		
	Bldr's Risk	allowance	+				20,000	20,000		
	Building Permits	allowance	0045 x co	nstruction va	lue		20,000	20,000		
1020	Allowances	anomanos	10010 % 00				20,000	0		
	Travel & Lodging	local						0		
1030	Project Manager	45wk/\$950		1/2 time		42,750	12,825	55,575		
	Supervision/FT	45wk/\$950		1/2 time		42,750	12,825	55,575		
	Super/Working	45wk/\$1,750		full time		78,750	39,375	118,125		
	Clerk	45w/\$440		1/3 time		19,800	5,940	25,740		
1045	Cut/Patch					-,		0		
1050	Design Engineering							0		
	Field Engineering							0		
	Field Layout				5,000			5,000		
1170	Safety Program	writeoff					1,250	1,250		
	Safety Officer	Super						0		
1180	Site Safety	Super						0		
	Traffic Control	Div 31						0		
1340	As Builts	allowance			15,000			15,000		
	Shops & Submittals	Proj mgr/clerk						0		
1380	Photographs	lump	750			Super		750		
	Testing	Owner						0		
1430	Mockups					2,000		2,000		
1440	Quality Control	Super						0		
1505	Mobilize/Closeout	lump	1,500	1,000		1,500	750	4,750		
1510	Temp Electrical	allowance			5,000			5,000		
	Power	45w/\$350					15,750	15,750		
	Lamping	allowance			2,000			2,000		
	Temporary Heat	allowance					15,000	15,000		
	Tenting & Heating	allowance					2,000	2,000		
	Snow Removal	allowance					1,250	1,250		
		Sub Total	2,250	1,000	27,000	187,550	146,965	364,765		
onestco.	22	22 Mountain Road, Ra	ymond ME 04	071 ~ 207.627.	.4099 ph/fx		Opinions	of Probable Cost ~ Co	nstruction Consulting ~ Value	e Engineerir

Summary Building Cost Estimate

JOB#	2021.16		TOW	N OF JACK	(SON NH	- FIRE STA	TION	<u>SD</u>		8/9/2021	
	page 2										
				Div 1: G	eneral Co	nditions					
Section	Description	Quantity/Unit	MTRL	EQPMNT	SUB	LABOR	OTHER	TOTAL		NOTES	
Section	Description	Quantity/Onit	WIIKL	EQFININI	306	LABOR	OTHER	TOTAL		NOTES	
1515	Telephone	45w/\$100					4,500	4,500			
	Water	temporary			2,500		.,000	2,500			
	Sanitary	45w/\$70			2,000		3,150	3,150			
	Fire Protection	lump	1,000			Super	0,100	1,000			
1525	Staging	allowance	1,000			- Capoi	10,000	10,000			
.020	Shoring	Div 2					10,000	0			
	Enclosures	5.17 2	1,000			,000	500	1,500			
1530	Barriers	Div 31	1,000			000	000	0			
	Fences	Div 31						0			
1540	Security	Owner						0			
1560	Temp Controls							0			
	Cleanup	45w/\$500				22,500	6,750	29,250			
	Final Cleanup	lump			6,500			6,500			
	Dump Fees	6 ea \$1,500	non-demo				9,000	9,000			
	Dust Control	Div 31						0			
	Surface Water	Div 31						0			
1570	Traffic Control Off-Site)						0			
	Signals							0			
1580	Signs/Project ID	lump					2,000	2,000			
1590	Field Offices	45w/\$100					3,150	3,150			
	Storage Trailers	45w/\$70					5,200	5,200			
1610	Pickup Trucks	45w/\$400		18,000				18,000			
	Forktrucks/Lifts	lump		10,000				10,000			
1620	Storage/Protection	lump	1,500			1,500	750	3,750		Div 1 Analysis	3
1650	Test/Balance	see HVAC						0	excluding perr	nits & insurance	
										\$9,650/wk	
		Sub Total page 2	3,500	28,000	9,000	24,000	45,000	109,500			
		SubTotal page 1	2,250	1,000	27,000	187,550	146,965	364,765		Div 1 Analysis	3
									w/perr	mits & insurance	
		TOTAL	5,750	29,000	36,000	211,550	191,965	474,265		\$10,540/wk	
onestco.		22 Mountain Road, Ray	1115 044							Consulting ~ Val	

General Condition Building Cost Estimate

JOB#	2021.16	TOWN OF	JACKSON NH	- FIRE STATION	N / Samyn D'Elia	<u>Architects</u>	<u>SD</u>	<u>8/9/2021</u>
DIVISION		MTRL	EQPMT	SUB	LABOR	OTHER	TOTAL	ANALYSIS
1	General Conditions	5,750	29,000	36,000	211,550	191,965	474,265	Building Pad Ready
2	Existing Conditions		building	razing part of civ	il beyond 5'	***************************************	0	\$134,750 building razing excluded;
3	Concrete	115,670		34,030	49,925	***************************************	199,625	razing considered part of civil beyond 5';
4	Masonry			165,475			165,475	civil beyond 5' excluded
5	Steel	323,265	24,750		84,450		432,465	\$506.33/sf & \$4,212,645
6	Carpentry	62,765	10,625	63,010	42,500	************************************	178,900	
7	Thermal/Moisture			303,985			303,985	Building Project Complete
8	Doors/Glass			290,450			290,450	8,320 sf total project area =
9	Finish			229,675		***************************************	229,675	7,820 sf slab on grade +
10	Specialties			45,095			45,095	500 sf mezzanine
11	Equipment			91,075			91,075	not applicable
12	Furnishings			4,325			4,325	
13	Special Construction			X			0	<u>Notes</u>
14	Conveying Equipment			X			0	Value of current market offsets
21	Fire Suppression			92,990			92,990	for Divs 3 thru 10 = \$193,340
22	Plumbing			123,395			123,395	incluyding markups = \$232,975
23	HVAC			426,020			426,020	\$28.00/sf
26	Electrical			359,505			359,505	
27	Communications			see Div 26			0	Projected values based on
28	Electronic Safety/Security			see Div 26			0	GenCon select invited list
31	Earthwork			78,720	pap prep only		78,720	for CM delivery method,
32	Exterior Improvements			X	civil beyond 5' e	xcluded	0	add \$300,000
33	Utilities			Х			0	\$367.06/sf
34	Transportation			X			0	<u> </u>
35	Waterway/Marine			X			0	
41	Material Handling			X		***********************************	0	
44	Pollution Control			X			0	
	SUBTOTAL	507,450	64,375	2,343,750	388,425	191,965	3,495,965	
<u>5%</u>	Overhead & Profit					174,800	174,800	
<u>J /0</u>	Volume Adjustment			not used		174,000	0	
							0	
F0/	Complexity & Phasing			not used		174 900		
5% 7.50%	Contingency Market & Inflation			SD cost continger		174,800	174,800	
7.50%	Market & Inflation		iriliation to Fa	an ZUZZ JUD START &	uncertain markets	262,200	262,200	
<u>3%</u>	Bonds & Insurance					104,880	104,880	
	<u>TOTAL</u>	<u>507,450</u>	<u>64,375</u>	<u>2,343,750</u>	388,425	<u>908,645</u>	<u>\$4,212,645</u>	
				NO.				
Conestco.	222 Moun	tain Road, Raymor	nd ME 04071 ~ 20	07.627.4099 ph/fx			Opinions of Probable	Cost ~ Construction Consulting ~ Value Engineering

JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEET	s	(page 1)	
			8/9/2021								
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 1 - General Conditions</u>	0		0	0		0		
			See backups attached	5,750	29,000	36,000	211,550	191,965	474,265	474,265	474,265
				0		0	0		0	1	
			Div 2 - Existing Conditions	0		0	0	İ	0		
			Building Razing	0		0	0		0		
	excluded		Hazardous materials abatement	0		0	0	İ	0		
100,000	cf allow	\$0.25	Fire station building razing	0		25,000	0		25,000		
225	cy allow		Frost foundation & building slab on grade & OHD landing pads on grade removal	0		56,250	0		56,250		
100	cy allow		Gravel compacted backfill @ removed frost foundations to subgrade elevation	0		3,500	0		3,500		
50	15 cy	~~~~~	Cleanup & disposal	<u>0</u>		50,000	<u>0</u>		50,000	134,750	
			Total Div 2	d	this	<u>as</u>	<u>part</u>	<u>of</u>	civil	beyond 5'	0
				0		0	0		0		
			<u>Div 3 - Concrete</u> (division carrying \$9,705 added cost for current market issues)	0		0	0	 	0	1	
			Foundations	 		0	0		0		
115	\$115	CV	Frost foundations 65#/cy	13,225		0	0	-	13,225		
35	\$115		Column footings 90#/cy	4,025		0	0		4,025		
15	\$115		Column piers 150#/cy	1,725		0	0		1,725		
15	\$115		Frost entry foundations @ building exterior apssdoors & Vestibule overhang 85#/cy	1,725		0	0	<u> </u>	1,725		
25	\$115		Interior strip footings for cmu walls 50#/cy	2,875		0	0	-	2,875		
CV	205	\$225	form labor & material	0		0	46,125	-	46,125	69,700	
СУ	203	9220	Slabs	d		0	0		0	09,700	
150	\$120	0.4	10" slab on grade Apparatus Bays/Workshop 225#/cy & 6x6#6 mesh for radiant floor piping	18,000		0	0		18,000		
45	\$120		5" slab on grade Support & Administration 80#/cy & 6x6#6 mesh Admin radiant floor piping	5,400		0	0		5,400		
8	\$125		6" frost entry slab on grade @ building exterior apssdoors & Vestibule overhang 85#/cy	1,000		0	0		1,000		
20	\$120		5 1/2" slab on deck Mezzanine 6x6#6 mesh	2,400		0	0	-	2.400		
20	Div 32	СУ	12" emergency generator pad 185#/cy	0		0	0		0		
30	\$125		12" OHD landing pads 185#/cy	3,750		0	0		3,750		
250	\$2.00		Equipment pads	500		0	0	-	500		
hrs	80	\$48	form material & labor	0		0	3,800		3,800		
1115	days	\$1,500		0		1,500	0	-	1,500		
1,500	uays If	\$2.50	concrete pumping sawcutting	0		3,750	0		3,750		
7,820	sf	1,25	finish slab on grade interior	0		0	0		0		
1,015	sf	\$1.85		0		1,880	0		1,880		
500	sf	\$1.85	finish slab on grade exterior finish slab on deck	0		675	0	-	675		
0.50	\$120			60		0	0	-	60		
0.50	\$120 Is	\$1,350	Concrete treads & landings @ steel pan stairs finishing	0		1,350	0	-	1,350	44,065	
1	15	φ1,30U	Reinforcement	ļ		1,350	0	<u> </u>	1,350	44,000	
60,000	\$0.75	ш	Rebar	45,000		0	0	 	45,000	-	
6,340	\$0.75		Kebar 6x6#6 mesh	3,170		0	0		3,170	 	***************************************
0,340	\$0.50 Is	\$23,500		0		23,500	0	 	***************************************	71.670	
1	IS	\$∠3,500	labor						23,500	71,670	
				0		0	0		0		
				0		0	0	-	0		
				0		0	0	ļ	0		
		***************************************		0		0	0		0		*******************************
				0		0	0	l	0		
Conestco.			222 Mountain Road, Raymond ME 04071 ~ 207.627.4099 ph/fx			Opinion	s of Probab	ole Cost ~ Co	onstruction C	onsulting ~ Val	ue Engin

JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEE	rs	(page 2)	
			8/9/2021								
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 3 - (cont.)	0		0	0		0		
		***************************************	Miscellaneous	0		0	0		0		
25	су	\$55	Barrier One floor sealing admixture @ slabs on grade w/adhered floor finishes	0		1,375	0		1,375		
645	\$0.60	If	5" joint filler	390		0	0		390		
45	\$0.65	If	6" joint filler	30		0	0		30		
425	\$1.10	If	10" joint filler	470		0	0		470		
100	\$1.25		12" joint filler	125		0	0		125		
9,335	\$0.35	sf	Wet cure burlap	3,270		0	0		3,270		
10	\$13	gal	Hardener sealer compound	130		0	0		130		
24	\$350	set	Anchor bolts & grout plates	8,400		0	0	 	8,400		
	Div 5	***************************************	Cmu wall bracing angles	0		0	0		0		
10		set	Cmu wall embedment plates	0		0	0		0		
1		**********************	Concrete forming accessories	0		0	0	<u> </u>	0		
hrs	140	***************************************	labor	0		0	0		0	14,190	
	- 110		Precast Concrete	0		0	0		0	11,100	
135	sf		Jackson Fire Department architectural precast wall name planks @ front elevation OHD's	0		<u>0</u>	0		<u>0</u>	0	
.00			Total Div 3		0	34,030	49,925	0	199,625		199,625
			TOTAL DITO	0		0	0	-	0		100,020
			Div 4 - Masonry (division carrying \$17,775 added cost for current market issues)	0		0	0		0		
			Unit Masonry	0		0	0	 	0		
1,510	sf	\$20.00	12" cmu infill exterior Apparatus Bayperimeter walls @ OHD's to 16'	0		30,200	0		30,200		
2,570	sf		12" cmu infill interior Apparatus Bay demising walls @ Support & Admin to 16'	0		51,400	0		51,400		
865	sf		8" cmu infill exterior walls @ Support perimeter to 12' eave & sloping gable ends to 16'	0		14,275	0		14,275		
530	sf	***************************************	8" cmu infill interior walls @ Apparatus Bay Workshop to Mezzanine deck above	0		8,745	0		8,745		
1,280	sf		8" cmu interior partitions Support core	0		21,120	0	ļ	21,120		
280	sf			0		3,920	0		3,920		
		***************************************	6" cmu interior minor partitions Support core	0		i	0		i		
300	sf	***************************************	Grouted fieldstone veneer & granite cap @ OHD timber bases & Vestibule canopy timber bases	0		16,500	0	-	16,500 4,000		
80	hrs		Labor @ cmu wall HMdoor frame & OHD & precast panel galvanized lintels & embedments	0		4,000	ļ				
40	hrs		Labor @ cmu wall steel bearing plates & cmu wall angle iron bracing	ļ		2,000	0		2,000		
20	hrs		Labor @ cmu wall door frame & embedment grouting	0		1,000	0		1,000	105 175	
7,035	sf	\$1.75	Masonry staging	<u>0</u>		12,315	<u>0</u>		12,315	165,475	405 475
			Total Div 4	0	0	165,475	0	0	165,475		165,475
			Die F. Matela (division corrige 600 000 called coat for a great and at increase)	0		0	0		0		
			<u>Div 5 - Metals</u> (division carrying \$66,335 added cost for current market issues)	0		0	-	-	0		
04.000	04.75		Structural Steel-Joist-Deck	0		0	0		0		
64,000	\$1.75		Fire House roof structural steel column & beam framing 8#/sf (includes Support rear porch overhang)	112,000		0	0	ļ	112,000		
24,000	\$1.75		Apparatus Bay roof structural secondary purlin framing 3#/sf	42,000		0	0		42,000		
8,800	\$5.00		Apparatus Bay-Support-Admin 1 1/2" 20 ga galvanized roof deck	44,000		0	0	ļ	44,000		***************************************
2,000	\$1.75	**************	Apparatus Bay Workshop Mezzanine deck composite beam& column framing 4#/sf	3,500		0	0	ļ	3,500		***************************************
500	\$7.50		Apparatus Bay Workshop Mezzanine 1 1/2" 18 ga galvanized composite deck	3,750		0	0		3,750		
250	\$0.65		Composite deck shear studs	165		0	0		165		
9,000	\$1.75		Connections & bracing	15,750		0	0		15,750		
hrs	600	\$85	labor	0		0	51,000		51,000		
	60	\$120	moment connection welding	0		0	7,200		7,200		
hrs hrs	60	\$325	equipment	0	19,500	0	0	1	19,500	298,865	

JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEE	TS	(page 3)	
			8/9/2021								
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
	*************************			0		0	0		0		
			Div 5 - (cont.)	0		0	0		0		
		***************************************	Miscellaneous Metals	0		0	0		0		
1	\$8.500	floors	Concrete pan steel stairs w/rail systems	8,500		0	0	<u> </u>	8.500		
45	\$150		Apparatus Bay Workshop Mezzanine perimeter ground mount guard rails (1 section removable)	6,750		0	0		6,750		
20	\$425		Bollards 6" concrete packed OHD jambs interior & exterior	8,500		0	0		8,500	-	
10	\$425	***************************************	Bollards 6" concrete packed civil beyond 5' allowance	4,250		0	0		4,250		
10	\$60	***************************************	Cmu t.o.w. joist bearing plates (labor Div 4)	600		0	0		600		
600	\$30.00		Angle iron w/set tabs @ OHD slab edges & landing pad edges 10#/lf	18,000		0	0		18,000		
3.000	\$2.75		Galvanized steel lintels @ cmu wall HM door frame & OHD frame openings (labor Div 4)	8,250		0	0		8,250		
1,000	\$2.75		Galvanized steel lintels @ precast OHD name plate panels (labor Div4)	2,750		0	0		2,750	-	
3,000	\$3.25		OHD galvanized C channel door framing	9,750		0	0		9,750		
1,000	\$2.00		Roof mounted antenna steel framing supports	2,000		0	0		2,000		
2,750	\$2.00	************************	Cmu wall bracing angles (labor Div 4)	5,500		0	0		5,500		
2,750	\$60.00	***************************************	Criti wall bracing angles (labor DIV 4) Criti wall embedment plates	600	-	0	0	-	600		
50	\$60.00		<u> </u>	325		0	0		325	-	
			Apparatus Bay Workshop Mezzanine slab on deck perimeter floor pour stop angles						<u> </u>		
750	\$2.00	***************************************	Architectural roof & wall mount support steel	1,500		0	0		1,500		
2,000	\$2.00	***************************************	HVAC roof & wall mount support steel	4,000		0	0		4,000		
185	\$45.00	***************************************	Decon room stainless steel shower wall & ceiling protection sheeting 28 ga	8,325		0	0	-	8,325		
	vil enginee		Emergency generator pad perimeter 8' height 9 ga chain link fence w/double gates	0		0	0		0		
2,500	\$5.00		Apparatus Bay roof gable ends (2 ea) fiberglass frame @ gable mounted Kalwall panels	12,500		0	0		12,500		
hrs	350	\$75	labor	0		0	26,250		26,250		
hrs	35	\$150	equipment	0	<u>5,250</u>	<u>0</u>	0		<u>5,250</u>	133,600	
			Total Div 5		24,750	0	84,450	0	432,465		432,465
				0		0	0		0		
			<u>Div 6 - Carpentry</u> (division carrying \$20,425 added cost for current market issues)	0		0	0		0		
		***************************************	Rough Carpentry	0		0	0		0		
4,200	\$6.50	***************************************	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang	0 27,300		0 0	0		0 27,300		
4,200 500	\$6.50 \$1.30	***************************************	Rough Carpentry	0		0	0		0		
		bf	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang	0 27,300		0 0	0		0 27,300		
500	\$1.30	bf bf	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe	0 27,300 650		0 0 0	0 0		0 27,300 650		
500 1,500	\$1.30 \$1.30	bf bf shts	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants	0 27,300 650 1,950		0 0 0	0 0 0		0 27,300 650 1,950		
500 1,500 300	\$1.30 \$1.30 \$55.00	bf bf shts	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems	0 27,300 650 1,950 16,500		0 0 0 0	0 0 0 0 0		0 27,300 650 1,950 16,500		
500 1,500 300 5,000	\$1.30 \$1.30 \$55.00 \$1.30	bf bf shts If shts	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing	0 27,300 650 1,950 16,500 6,500		0 0 0 0 0	0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500		
500 1,500 300 5,000 135	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00	bf bf shts If shts	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish	0 27,300 650 1,950 16,500 6,500 4,725		0 0 0 0 0 0	0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725		
500 1,500 300 5,000 135 850	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25	bf bf shts If shts bf	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim	0 27,300 650 1,950 16,500 6,500 4,725 1,065		0 0 0 0 0 0	0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065		
500 1,500 300 5,000 135 850 200	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25	bf bf shts If shts bf	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250		0 0 0 0 0 0	0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250		
500 1,500 300 5,000 135 850 200	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65	bf bf shts lf shts bf shts	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325	10,625	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325		
500 1,500 300 5,000 135 850 200 5	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850	bf bf shts If shts bf shts bf shts	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0	10,625	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500	115,890	
500 1,500 300 5,000 135 850 200 5 hrs	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850	bf bf shts If shts bf shts bf shts	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor equipment	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0	10,625	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500 10,625	115,890	
500 1,500 300 5,000 135 850 200 5 hrs	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850	bf bf shts If shts bf bf shts \$50 \$125	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor equipment Hardware	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0 0 3,500	10,625	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500 10,625 3,500	115,890	
500 1,500 300 5,000 135 850 200 5 hrs hrs	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850 85 \$3,500	bf bf shts If shts bf bf shts \$50 \$125 Is	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor equipment Hardware Timber Framing	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0 0 3,500	10,625	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500 10,625 3,500 0	115,890	
500 1,500 300 5,000 135 850 200 5 hrs hrs 1	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850 85 \$3,500	bf bf shts If shts bf bf shts \$50 \$125 Is	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor equipment Hardware Timber Framing Rough 4 x 10 timber & plate exterior wall frame & columns @ Admin Vest & OHD/gable endwall elevations	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0 0 3,500 0	10,625	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 42,500		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500 10,625 3,500 0		
500 1,500 300 5,000 135 850 200 5 hrs hrs 1	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850 85 \$3,500	bf bf shts If shts bf bf shts \$50 \$125 Is	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor equipment Hardware Timber Framing Rough 4 x 10 timber & plate exterior wall frame & columns @ Admin Vest & OHD/gable endwall elevations	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0 0 3,500 0	10,625	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500 10,625 3,500 0 20,000		
500 1,500 300 5,000 135 850 200 5 hrs hrs 1	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850 85 \$3,500	bf bf shts If shts bf bf shts \$50 \$125 Is	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor equipment Hardware Timber Framing Rough 4 x 10 timber & plate exterior wall frame & columns @ Admin Vest & OHD/gable endwall elevations	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0 0 0 3,500 0	10,625	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 42,500 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500 10,625 3,500 0 20,000 10,000		
500 1,500 300 5,000 135 850 200 5 hrs hrs 1	\$1.30 \$1.30 \$55.00 \$1.30 \$35.00 \$1.25 \$1.25 \$65 850 85 \$3,500	bf bf shts If shts bf bf shts \$50 \$125 Is	Rough Carpentry Roof plane prefabricated wood trusses @ Support & Admin single slope roof framing w/eave overhang Roof plane gable overframing for louver systems & Admin Vest roof overframe Roof perimeter framing-blocking-cants Roof plane 3/4" sheathing over Div 7 rigid insulation systems Roof plane 2 x sleepers for metal roof finish above 3/4" sheathing Exterior wall 1/2" wall sheathing @ metal panel finish Window & door header block-shim In wall & surface mounted blocking Electric panel & phone backer boards labor equipment Hardware Timber Framing Rough 4 x 10 timber & plate exterior wall frame & columns @ Admin Vest & OHD/gable endwall elevations	0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 0 0 0 3,500 0 0	10,625	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 42,500 0 0 0		0 27,300 650 1,950 16,500 6,500 4,725 1,065 250 325 42,500 10,625 3,500 0 20,000 10,000 0		

If \$22.5 If \$18 If \$22.5 If \$22.5 If \$22.5 If \$22.5 If \$22.5 If \$22.5	Div 6 - (cont.) Architec \$375 Training Room Kitchen & B.I. Office base cabinet w/solid surface countertop \$200 Training Room Kitchen & B.I. Office wall cabinet \$185 B.IChief-Dispatch workstation countertop solid surface & open shelving below F \$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backsp	ural Woodwork inish Carpentry lash Total Div 6	Mtrl 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Eqpmt	Subcon 0 0 0 9,750 6,000 8,325 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other	TOTAL 0 0 0 9,750 6,000 8,325	SECT'N	DIVS'N
If \$37 If \$20 If \$18 If \$22.5 dbl \$4 set \$22.5 ea \$4	Div 6 - (cont.) Architec \$375 Training Room Kitchen & B.I. Office base cabinet w/solid surface countertop \$200 Training Room Kitchen & B.I. Office wall cabinet \$185 B.IChief-Dispatch workstation countertop solid surface & open shelving below F \$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backsp	inish Carpentry	0 0 0 0 0 0	Eqpmt	0 0 0 9,750 6,000 8,325	0 0 0 0 0	Other	0 0 0 9,750 6,000 8,325		DIVS'N
If \$22.5 \$18 \$22.5 \$22.5 \$3.2	### Architec ### Architec ### \$1.0 Office base cabinet w/solid surface countertop ### \$2.00 Training Room Kitchen & B.I. Office wall cabinet ### \$1.0 Office wall	inish Carpentry	0 0 0 0 0		0 0 9,750 6,000 8,325 0	0 0 0 0		0 0 9,750 6,000 8,325		
If \$22.5 \$18 \$22.5 \$22.5 \$3.2	### Architec ### Architec ### \$1.0 Office base cabinet w/solid surface countertop ### \$2.00 Training Room Kitchen & B.I. Office wall cabinet ### \$1.0 Office wall	inish Carpentry	0 0 0 0 0		0 9,750 6,000 8,325 0	0 0 0		0 9,750 6,000 8,325		
If \$22.5 \$18 \$22.5 \$22.5 \$3.2	\$375 Training Room Kitchen & B.I. Office base cabinet w/solid surface countertop \$200 Training Room Kitchen & B.I. Office wall cabinet \$185 B.IChief-Dispatch workstation countertop solid surface & open shelving below F \$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backs	inish Carpentry	0 0 0 0		9,750 6,000 8,325 0	0 0 0		9,750 6,000 8,325		
If \$22.5 \$18 \$22.5 \$22.5 \$3.2	\$200 Training Room Kitchen & B.I. Office wall cabinet \$185 B.IChief-Dispatch workstation countertop solid surface & open shelving below F \$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backsp	lash	0 0 0		6,000 8,325 0	0		6,000 8,325	046==	
If \$18 If \$22.5	\$185 B.IChief-Dispatch workstation countertop solid surface & open shelving below F \$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backsp	lash	0 0 0		8,325 0	0		8,325	0.1.5==	
If \$22.5 dbl \$4 set \$22.5 ea \$4 sf \$2.2 sf \$3.2	\$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backs	lash	0 0		0	}			046==	
dbl \$4 set \$22.5 ea \$4 sf \$2.2 sf \$3.2	\$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backsp	lash	0			0		f	24,075	
dbl \$4 set \$22.5 ea \$4 sf \$2.2 sf \$3.2	\$22.50 Solid surface exterior window sill & stoop \$40 Solid surface interior Dispatch to Apparatus Bay communication window sill & stoop \$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backsp	lash			0.0==		}	0		
set \$22.5 ea \$4 sf \$2.2 sf \$3.2	\$22.50 FRP wall panel & trim Training Room perimeter wainscot & Training room Kitchen cabinet @ backs	·····	0		3,375	0		3,375		
ea \$4 sf \$2.2 sf \$3.2		·····			160	0		160		
ea \$4 sf \$2.2 sf \$3.2		·····	0		5,400	0		5,400	8,935	
sf \$2.2 sf \$3.2		I OLAI DIV 0	62,765	10,625	63,010	42,500	0	178,900		178,900
sf \$2.2 sf \$3.2			0		0	0		0		
sf \$2.2 sf \$3.2	Div 7 - Thermal & Moisture (division carrying \$38,920 added cost for current market issues)		0		0	0		0		
sf \$2.2 sf \$3.2		Damp Proofing	0		0	0		0		
sf \$2.2 sf \$3.2	\$40 Damp proof below top of slab steel columns		0		240	0		240	240	
sf \$3.2		ation & Barriers	0		0	0		0	240	
sf \$3.2	\$2.25 2" extruded polystyrene rigid foundation wall insul & 24" return under slab @ non-radiant (Support typ		0	***************************************	4,840	0		4,840		
	\$3.25 3" extruded polystyrene rigid exterior wall insulation	,	0		11,750	0		11,750		
sf \$4.0	\$4.00 R40 polyisocyenurate rigid roof insulation		0		35,200	0		35,200		
	\$1.65 6" exterior wall metal stud denspak blanket insulation (Admin exterior walls)		0		2,510	0		2,510		
	\$1.65 6" interior stud wall sound batt insulation (Admin stud partitions)		0		1,445	0		1.445		
	\$1.25 4" interior stud wall sound batt insulation (Admin stud partitions)		0		315	0		315		***************************************
	\$1,000 Insulation end foams & fillers		0		1,000	0		1,000		
	\$5 Peel & stick or liquid spray applied exterior wall air barrier		0		18,075	0		18,075		
			0			0		19,020		
	\$3 Crete Heat underslab insulation radiant areas (Apparatus Bays & Admin typical)		0		19,020	0		ł	101 105	
ST \$0.9	\$0.90 15 mil reinforced under slab VB	14.4.15			7,040	ļ		7,040	101,195	
	0.00.00.00	Metal Roofing	0		0	0		0		
	\$10.00 20 ga architectural kynar finish standing seam metal roof & trim		0		90,000	0		90,000		
~~~~~	\$8.00 Support rear overhang Porch soffit panels & trim		0		960	0		960		
	\$8 Admin Vestibule canopy overhang soffit panels & trim		0		1,280	0		1,280		
	\$8 Building roof eave & gable overhang soffit & trim		0		7,600	0		7,600		
	\$55 Snowguard systems		0		7,975	0		7,975		
	\$30 Eave gutter heavy duty w/downspouts		0		4,350	0		4,350		
	\$12 Eave & gable & canopy perimeter trims & drips-flashings		0		5,700	0		5,700	100.000	
ıs \$5,00						ļ	ļ	ł	122,865	
		tai Wall Panels				<del>}</del>		ļ		
						ļ		\$		
sf \$	\$7 Rainscreen standoff subframing					ļ		ļ	68,685	
		Fire Proofing				ļ		<b></b>		
quiv \$	· · · · · · · · · · · · · · · · · · ·					ļ		<u> </u>	1,000	
		ing & Sealants				<u> </u>		<b>}</b>		
ls \$3,50	\$3,500 Fire stop project		0			0		<del>}</del>		
	\$6,500 Caulk & seal project		<u>0</u>		6,500	0		<u>6,500</u>	10,000	
		Total Div 7	0	0	303,985	0	0	303,985		303,985
			0		0	0		0		***************************************
					_	4 -	1	1 -	(	
ls s qui	f f	\$ \$5,000 Project general metal & fabric sheet metal flashing  Metal & \$12.00 22 ga kynar finish exterior rainscreen metal wall panels & trim  \$ 7 Rainscreen standoff subframing  \$ 5 Fire proof wall encased structural steel (limited)  Fire Stopp \$ \$3,500 Fire stop project	\$ \$5,000 Project general metal & fabric sheet metal flashing    Metal Wall Panels	\$ \$5,000 Project general metal & fabric sheet metal flashing 0    Metal Wall Panels   0	\$ \$5,000 Project general metal & fabric sheet metal flashing 0   Metal Wall Panels 0    \$ \$12.00 22 ga kynar finish exterior rainscreen metal wall panels & trim 0    \$ \$7 Rainscreen standoff subframing 0    \$ \$7 Fire Proofing 0    \$ \$5 Fire proof wall encased structural steel (limited) 0    \$ \$7 Fire Stopping & Sealants 0    \$ \$3,500 Fire stop project 0    \$ \$6,500 Caulk & seal project 0    \$ \$ \$6,500 Caulk & seal project 0    \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ \$5,000 Project general metal & fabric sheet metal flashing 0 5,000    Metal Wall Panels 0 0 43,380	\$ \$5,000 Project general metal & fabric sheet metal flashing 0 5,000 0    Metal Wall Panels 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ \$5,000 Project general metal & fabric sheet metal flashing    Metal Wall Panels   0	\$ \$5,000 Project general metal & fabric sheet metal flashing    Metal Wall Panels   0	\$ \$5,000 Project general metal & fabric sheet metal flashing    Metal Wall Panels   0   0   0   0   0

JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	SD			W	ORKSHEE	TS	(page 5)	
			8/9/2021								
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 8 - Doors &amp; Glass</u> (division carrying \$6,400 added cost for current market issues)	0		0	0		0		
			Doors & Hardware	0		0	0	<b></b>	0		
1	lvs	\$3.050	HM exterior galvanized door & HM galvanized frame w/panic set-kickplate-closer	0		3,050	0	<u> </u>	3,050		
1	lvs		HM exterior galvanized door & HM galvanized frame w/lockset-kickplate-closer	0		2,850	0		2,850		
3	lvs		HM interior door & HM frame w/panic set-kickplate-closer	0		7,650	0		7,650		
8	lvs		HM interior door & HM frame w/lockset-kickplate-closer	0		19,200	0		19,200		
3	lvs		HM interior door & HM frame w/privacy set-kickplate-closer	0		6,600	0		6,600		
6	add		HM interior door & HM frame add for galvanized @ potential wet areas	0		1,500	0		1,500		
4	lvs		Wood s.c. interior door & HM frame w/lockset-kickplate-closer	0		7,900	0		7,900		
1	lvs		Wood s.c. interior door & HMframe w/privacy set-kickplate-closer	0	-	1,850	0	<b></b>	1,850		
1	Is		Undesigned door hardware add	0		5,000	0		5,000		
6	lvs		Door fire or smoke rated w/sealing as required	0		1,050	0		1,050		
100	sfallow			0		8,500	0		8,500		
100	sfallow		Door leaf tempered glass	0		12,500	0	<b></b>	12,500		
			Misc door or HM frame fire rated glass add	0			0		0		
	II glass HM		Door HM frame sidelite & transom tempered glass	<del></del>		0	<del> </del>		<b></b>		
50	sf allow		Wall HM frame glasswall tempered glass	0		4,250	0		4,250		
1	set		ADA entry pushpaddle system	0		2,750	0		2,750		
1	set		Employee security keycode entry system	0		3,750	0		3,750		
1	ls	\$1,000	Access doors MEP	0		1,000	0		1,000	89,400	
			Overhead & Coiling Doors	0		0	0		0		
5	ea	\$10,500	14' x 14' high lift insul sectional simulated wood finish OHD middle row glass & elect op & aux chain hoist	0		52,500	0		52,500	52,500	
			Storefronts	0		0	0		0		
1	lvs	***************************************	Admin Vestibule exterior storefront entry door w/panic hardware & closer	0		3,500	0		3,500		
1	lvs	\$2,650	Admin Vestibule interior storefront entry door w/panic hardware & closer	0		2,650	0		2,650		
	sf	\$85	Admin Vestibule exterior entry transoms-sidelites	0		0	0		0	6,150	
			Skylights	0		0	0		0		
760	lf	\$90	Continuous 95' x 8' ridge mounted transluscent insulated skylight @ Apparatus Bay ridge	0		68,400	0		68,400	68,400	
			Kaiwali Transluscent Walls	0		0	0		0		
640	sf	\$75	Apparatus Bay gable endwall transluscent wall panel systems	0		48,000	0		48,000	48,000	
			Windows	0		0	0		0		
200	sf	\$80	Windows exterior aluminum clad wood frame insulated low e glass (obscure glass @ Toielts typ)	0		16,000	0		16,000		
1	ea	\$7,500	Interior HM framed Vestibule communication window bulletproof glazing & amplified deal tray	0		7,500	0		7,500		
1	ea	\$2,500	Interior HM framed Dispatch to Apparatus communicating slide glass w/deal tray	<u>0</u>		<u>2,500</u>	<u>0</u>		<u>2,500</u>	26,000	
			Total Div 8	0	0	290,450	0	0	290,450		290,450
				0		0	0		0		
				0		0	0		0		
				0		0	0		0		
				0		0	0		0		
				0		0	0		0		
		***************************************		0		0	0	<b> </b>	0	<b> </b>	***************************************
		***************************************		0		0	0		0		***************************************
				0		0	0	<u> </u>	0		
				0		0	0		0		
				0		0	0	<b></b>	0		
				0		0	0		0		
			222 Mountain Road, Raymond ME 04071 ~ 207.627.4099 ph/fx	U	-		.t		L	onsulting ~ Va	

JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEE	rs	(page 6)	
			8/9/2021								
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			<u>Div 9 - Finishes</u> (division carrying \$28,675 added cost for current market issues)	0		0	0		0		
			Drywall	0		0	0		0		
1,520	sf	\$12.00	6" exterior wall Administration metal stud 18 ga & 5/8" glasswall 1.s. & 5/8" drywall 1.s.	0		18,240	0		18,240		
875	sf	\$11.50	6" interior wall Administration metal stud 20 ga & 5/8" drywall 2.s.	0		10,065	0		10,065		
250	sf	\$9.00	3 5/8" interior wall Administration metal stud 25 ga & 5/8" drywall 2.s.	0		2,250	0		2,250		
885	sf	\$5.50	Drywall on furring @ Administration cmu demisers from App Bays requiring interior drywall finish	0		4,870	0		4,870		
1,700	sf	\$5.00	Drywall ceilings suspended or furred Support & App Bay Workshop (Div 5 exposed metal deck App Bays)	0		8,500	0		8,500		
55	sf	\$5.00	Drywall ceilings suspended or furred Administration Toilet	0		275	0		275		
130	If	\$12.00	Drywall window returns Administration exterior walls	0		1,560	0		1,560		
275	sf	\$0.35	Drywall MR board add wet walls & wet ceilings	0		100	0		100		
500	sf allow	\$2.00	Drywall abuse resistant board add	0		1,000	0		1,000		
250	sf allow	\$20.00	Downlite drywall @ Kalwall roof skylight	0		5,000	0		5,000	51,860	
			Acousticals	0	1	0	0		0		
1,885	sf	\$6.25	2 x 2 tegular edge SAT Administration typical u.n.o.	0		11,785	0		11,785		
100	sf	~~~~	Tectum acoustical wall panels Administration Training	0		1,000	0		1,000	12,785	
			Flooring	0		0	0		0		
345	sf	\$9	Porcelain non-slip tile w/tile base Admin Foyer & Hall	0		3,105	0		3,105		
280	sf		Ceramic non-slip tile w/tile base Admin Toilets & Support Toilets	0		4,200	0		4,200		
110	sf		Ceramic wall tile wainscot 48" a.f.f. Admin Toilet (Support Toielts cmu filler coat finish)	0		1,925	0		1,925		
620	sf		Marmoleum floor w/rubber base Admin Training	0		4,650	0		4,650		
470	sf	************************	Carpet tile floor w/rubber base Admin Dispatch-Chief-B.I.	0		2,820	0		2,820		
2,030	sf		Concrete sealed floor Support spaces typical u.n.o. & App Bay Workshop	0		1,525	0		1,525		
6,055	sf		Epoxy sealed floor w/integral coved epoxy baseApparatus Bays & Support Decon cementitious acrylic	0		72,660	0		72,660		
30	sf		Rubber tread-riser-landings Stairs to Workshop Mezzanine	0		750	0		750	91,635	
		Ψ20	Painting	0		0	0		0	01,000	
27	lvs	\$115	Doors & frames	0		3,105	0		3,105		
9,250	sf		Cmu exposed w/filler coat	0		17,115	0		17,115		
6,000	sf		Drywall	0		6,900	0		6,900		
2,150	sf equiv	***************************************	Rough timber framing beams-columns-trims & OHD wood look paneling	0		7,525	0		7,525		
7,500	sfequiv		Exposed structural steel & deck	0		33,750	0		33,750		
1,000	Is		Misc metals & exposed pipe & duct	0		5,000	0		5,000	73,395	***************************************
		ΨΟ,ΟΟΟ	Total Div 9	0	0	229,675	0	0	229,675	. 0,000	229,675
		***************************************	Total Diff o	0		0	0	-	0		220,010
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OB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEE	TS	(page 7)	
			8/9/2021								
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 10 - Specialties (division carrying \$5,105 added cost for current market issues)	0		0	0		0		
			Accessories Accessories	0		0	0		0		
1	ls	\$3,500	Toilet accessories-grab bars-mirrors	0		3,500	0		3,500		
1	set	\$2,500	Support Decon Shower stainless steel bench & coat hook assemblies	0		2,500	0		2,500		
12	vlf	\$35	Corner guards heavy duty stainless steel	0		420	0		420		
2	ea	\$375	Fire extinguishers w/semiflush wall cabinets	0		750	0		750		
1	ea	\$150	Fire extinguishers wall mounted	0		150	0		150		
2	ea	\$1,400.00	Phenolic toilet partition	0		2,800	0		2,800		
1	ea	\$1,100	Phenolic urinal partition	0		1,100	0		1,100		
1	ea	\$300	Ceiling mount for Owner FFE projector Admin Training	0		300	0		300		
60	sf		Projection screen electrical operated Admin Training	0	-	3,300	0		3,300		
2	set		Flagpoles (concrete bases by civil beyond 5')	0		7,500	0		7,500		
1	set allow		Support SCBA room compressor stand & tank rack assemblies	0		5,750	0		5,750		
1	Is		Signage interior ADA & directional	0	1	1,500	0		1,500		
21	ea		Signage exterior precast panel OHD lettering	0	<b>†</b>	1,575	0		1,575	·	
24	opngs		Lockers Turnout Gear 72" slope top w/shelf-coat hooks-wire basket	0		13,200	0		13,200		
10	lf		Turnout Gear locker bench	0		750	0		750	45,095	
10		\$10	Total Div 10	<u> </u>	0	45,095	0	0	45,095	45,095	45,095
			Total Div To	0	U	0	0	U	0		45,05
			Dis 44 Continuent	0	-		0		0		
			Div 11 - Equipment	<u> </u>	-	0	0		0		
		040.745	Laundry Equipment	·}		}			<b></b>		
1	ea		Blood removal extracting large capacity washing machine Support Decon 50#	0	-	19,745	0		19,745		
1	ea		Heavy duty 5 rack gear cabinet dryer large capacity Support Decon	0		10,030	0		10,030		
1	set	\$2,500	Residential washer-dryer set Laundry	0	-	2,500	0		2,500	32,275	
			Kitchen Equipment	<del>-}</del>		0	0		0		
1	ea		Kitchen heavy duty residential upright refrigerator	0		2,500	0		2,500		
1	ea		Kitchen heavy duty residential upright freezer	0		4,000	0		4,000		
1	ea		Kitchen 4 burner cooktop w/oven & cooktop center warming grille	0		3,500	0		3,500		
1	ea	\$2,000	Kitchen heavy duty residential dishwasher	0		2,000	0		2,000		
1	ea	\$500	Kitchen microwave oven	0		500	0		500		
1	set	\$5,000	Kitchen fire suppression hood (also see Div 23 for ductwork & exhaust fan)	0		5,000	0		5,000	17,500	
			Exhaust Capturing	0		0	0		0		
5	stations	\$8,260.00	Plymovent system for 5 magnetic hose assemblies & App Bay roof mount EF & ductwork	<u>0</u>		<u>41,300</u>	<u>0</u>		<u>41,300</u>	41,300	
			Total Div 11	0	0	91,075	0	0	91,075		91,07
				0		0	0		0		
			Div 12 - Furnishings	0		0	0		0		
			Window Treatment	0		0	0		0		
130	sf	\$10	Exterior window treatment horizonmtal slat blinds @ Admin	0		1,300	0		1,300		
70	sf	\$8	Exterior window treatment light filtering single roller shades @ Support	0		525	0		525	1,825	
			Floor Mats	0	T	0	0		0		
50	sf	\$50	Admin Vestibule 1/8" recessed carpet tile floor mat & frame	0		2.500	0		2.500	2,500	
		***************************************	Total Div 12	0	0	4,325	0	0	4,325		4,325
$\neg \neg$				0		0	0		0		
				0	1	0	0		0		
				. <del>,</del>	<del> </del>	<u>}</u>	0	<b></b>	<u> </u>		
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JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	SD			W	ORKSHEE	TS	(page 8)	
			8/9/2021								
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 21 - Fire Protection	0		0	0		0		
			Sprinklers	0		0	0		0		
	Ward??	***************************************	Fire pump & storage tank	0		0	0	<u> </u>	0	1	
1	set	\$12.500	Building entry & backflow (new dedciated water line needed??)	0		12,500	0		12,500		
10,315	sf	\$3.50	Wet system interior	0		36,105	0		36,105		
6,710	sf		Dry system interior Apparatus Bays	0		36,905	0		36,905		
1,360	sf		Dry system exterior canopy overhangs	0		7,480	<u>0</u>		7,480	92,990	
			Total Div 21	·}~~~~~	0	92,990	0	0	92,990	, , , , , ,	92,990
				0		0	0		0		,
			Div 22 - Plumbing	0		0	0	<b> </b>	0		
			Plumbing	0		0	0		0		
1	set	\$5,000	Building entry & backflow (or okay to re-use existing domestic??)	0		5,000	0	<b></b>	5,000	<b> </b>	
4	fxtr		WC floor mount w/manual flush valve & rough	0		7,000	0	<u> </u>	7,000		
1	fxtr		UR wall mount chair carrier w/manual flush valve & rough	0		2,100	0		2,100		
4	fxtr		LAV wall mount chair carrier w/4" centerset mnual fittings & rough	0		8,400	0		8,400		
1	fxtr		SH antiscald wall valve Decon w/spray & rough	0		875	0		875		
							0		ļ		
1	fxtr		SH ceiling system shower spray head Decon & rough	0		675	<del></del>		675		
1	fxtr		SK single bowl stainless steel Admin Training w/8" widespread ADA wrist fitting & spray & rough	0		2,250	0		2,250		
1	fxtr		SK stainless steel scullery Decon 2 bay floor mount w/bucket hold gooseneck prerinse fitting & rough	0		4,500	0		4,500		
1	fxtr	~~~~~	JAN floor mount w/bucket hook fitting & mopstrip & rough	0		1,850	0	ļ	1,850		
1	fxtr		DF dual height ADA chilled water w/bottle fill & rough	0		1,750	0		1,750		
1	fxtr		EYE wall mount hose & spray & rough	0		1,750	0		1,750		
1	fxtr		EYE-SH drench combo unit & rough	0		3,250	0		3,250		
4	ea		HB exterior frostproof sillcock	0		1,500	0		1,500		
8	ea		HB interior washdown	0		3,000	0		3,000		
140	. If		FD App Bays trench poly units w/heavy duty traffic grate	0		21,000	0		21,000		
4	ea		FD Toilets nickel bronze top w/strainer	0		3,500	0		3,500		
5	ea		FD Mechanical Mezzanine & Workshop & Gear-Decon-SCBA cast iron top w.strainer	0		3,625	0		3,625		
1	ea	\$1,500	Admin Training Kitchen interior small in floor grease trap unit	0		1,500	0		1,500		
	Div 33		Oil-sediment separation unit for App Bay trench drains	0		0	0		0		
1	set	\$15,000	7.5 hp compressor & 80 gallon tank & air piping w/5 stations	0		15,000	0		15,000		
1	ls	\$7,500	Propane gas piping-valves	0		7,500	0		7,500		
7,820	sf	\$3.50	Plumbing infrastructure field runs-pumps-valves-fitouts	<u>0</u>		<u>27,370</u>	<u>0</u>		27,370	123,395	
			Total Div 22	<u> </u>	0	123,395	0	0	123,395		123,395
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onestco.			222 Mountain Road, Raymond ME 04071 ~ 207.627.4099 ph/fx		T		s of Probat	le Cost ~ C	onstruction C	onsulting ~ Val	ue Engineerin

JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEE	TS	(page 9)	
			8/9/2021								
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 23 - HVAC	0		0	0		0		
			HVAC	0		0	0		0		
350	mbh	\$45	Boiler condensing propane gas system complete	0		15,750	0		15,750		
6,340	sf	\$4.00	Radiant floor systems App Bays & App Bay Workshop & Admin	0		25,360	0		25,360		
5	tons	\$2,250	AC exterior condensing units for HP units Admin	0		11,250	0		11,250		
5	tons	\$2,250	HP air cooled systems interior cassettes Admin	0		11,250	0		11,250		
1,750	cfm	\$10	DOAS-AH w/ERV Admin	0		17,500	0		17,500		
12,000	cfm	\$10.00	MUA units Apparatus Bays	0		120,000	0		120,000		
1,500	cfm	\$10.00	ERV heat only Decon-Turnout exhaust	0		15,000	0		15,000		
7,820	sf	\$8	Ductwork-insulation-grilles-regoster	0		62,560	0		62,560		
1	ea	\$3,500	DH dehumidifier	0		3,500	0		3,500		
6	ea	\$5,000	HW coils	0		30,000	0		30,000		
6	ea allow	\$3,750	VAV boxes	0		22,500	0		22,500		
25	If allow		BB electric unit backup for periemter wall cold spots	0		3,750	0		3,750		
1	ea		EF system for App Bay fresh air w/gable end louvers & roof mount mushroom exhaust	0		7,500	0		7,500		
1	ea		EF system for App Bay Decon	0		6,500	0		6,500		
1	ea		EF system for App Bay Workshop	0		4,500	0		4,500		
4	ea		EF systems for Support Toilets & Admin Toilet	0		5,000	0	<b></b>	5,000		
1	ee Div 13		EF system for Plymovent	0		0	0		0		
1	ea	\$2 750	CUH @ Admin Vestibule	0		2,750	0		2,750		
65	sf		Mechanical louvers	0		9,750	0		9,750		
7,820	sf		HVAC infrastructure	0		39,100	0		39,100		
1	ls		Test & balance	0		12,500	0		12,500		
	Owner	<b>*</b> , c · c	Commissioning	0		<u>0</u>	<u>0</u>		<u>0</u>	426,020	
			Total Div 23	<del></del>	0	426,020	0	0	426,020	,	426,020
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JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEE	TS	(page 10)	
			8/9/2021								
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Divs 26-27-28 - Electrical-Technology-Security	0		0	0		0		
			Site Electrical	0		0	0		0		
100	If allow	~~~~~	Primary u.g. conduit (wiring by utility)	0		13,500	0		13,500		
1	ea		Transformer concrete pad (transformer by utility)	0		3,500	0		3,500		
25	If		Secondary u.g. conduit & wire	0	ļ	2,500	0		2,500		
125	If	\$35	Telecomdata conduit & wire	0		4,375	0		4,375		
	Div 33		Site light standards & walkway bollards	0		0	0		0	23,875	
			Biuilding Electrical-Technology-Security	0		0	0		0		
8,320	sf		Power & distribution	0	ļ	29,120	0		29,120		
8,320	sf		Lighting LED & wiring	0	ļ	74,880	0		74,880		
10	ea		Lighting exterior building & soffit mounted	0		10,000	0		10,000		
7,820	sfallow		Occupany sensing	0		3,130	0		3,130		
8,320	sf	~~~~	Building grounding	0	-	12,480	0		12,480		
8,320	sf		Overcurrent & arc-flash field coordinations	0	-	12,480	0		12,480		
150	kw		Emergency generator 150 kw w/auto-switchover	0		67,500	0		67,500		
8,320	sf		Emergency lighting & egress lighting	0		10,400	0		10,400		
8,320	sf		Fire alarm w/horns & strobes	0		10,400	0		10,400		
7,820	sf		Telecomdata conduits & wiring	0		15,640	0		15,640		
1	ls		Interfacing w/Owner vendor antenna & radio systems & communication equipments	0		15,000	0		15,000		
1	ls	~~~~~	Security cameras exterior weatherproof (4) & interior (5) & monitoring system allowance	0	ļ	18,000	0		18,000		
1	ls		Security wiring Div 8 ADA & keycode entry systems	0		5,000	0		5,000		
1	ls		HVAC equipment wiring	0		10,000	0		10,000		
8,320	sf	\$5	Electrical infrastructure	<u>0</u>		<u>41,600</u>	<u>0</u>		41,600	335,630	
			Total Divs 26-27-28	0	0	359,505	0	0	359,505		359,505
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				0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0		
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				0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0		
				0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0		

JOB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	SD			W	ORKSHEE	rs	(page 11)	
			8/9/2021								
Qnty	X on	Units	Description	Mtri	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0	•	0		
			Div 31 - Earthwork	0		0	0		0		***************************************
			Site Prep (illustrative scope only)	0		0	0		0		
1	ls	t.b.d.	Div1 for SiteCon	0		0	0		0		
	wks	t.b.d.	Supervision & safety	0		0	0	<b></b>	0		
1	ls	t.b.d.	Traffic & pedestrian control	0		0	0		0		
1	ls	t.b.d.	Signage & barriers	0		0	0		0		
	If	t.b.d.	Temporary perimeter fencing	0		0	0		0		
	lf	t.b.d.	Snow fence open excavations	0		0	0		0		
	hrs	t.b.d.	Police details	0		0	0		0		
1	ls	t.b.d.	Erosion & dust control	0		0	0		0		·····
1	ls	t.b.d.	Protection of existing to remain	0		0	0		0		
1	ls		Site demolition	0		0	0		0		
	excluded		Hazardous materials abatement	0		0	0		0		
	excluded		Ledge & unsuitable soils	0		0	0		0		
	excluded		Site preloading	0		0	0		0		
	су	t.b.d.	Site cuts & fills	0		0	0		0		
	су		24" gravels Apparatus Bay drives & roads	0		0	0		0		
	су		18" gravels non-Apparatus Bay drives & roads	0		0	0		0		
	су		12" gravels walkways & site pads	0		0	0		0		
	су		Excavation & backfill exterior utilities	0		0	0	l	0		
	су		Removals offsite	0		0	0		0	0	
			Building Pad Prep	0		0	0	<b></b>	0		
700	су	\$12.00	Excavation for structure	0		8,400	0		8,400		
395	су		Backfill granular material for structure	0		13,825	0		13,825		
355	су		12" crush stone @ interior slabs on grade	0		17,750	0		17,750		
100	су		18" gravel @ OHD landing pad slabs	0		3,500	0		3,500		
100	су		60" gravel @ exterior frost entry slabs	0		3,500	0		3,500		
50	су		2" sand cushion @ radiant slabs	0		2,000	0		2,000		
400	If		Excavation & backfill interior utilities	0		4,800	0		4,800		
360	lf		Foundation drains @ grade beam exterior perimeters	0		5,040	0		5,040		
8,000	sf		Radon collection perforated piping & gravity exhaust allowance	0		12,000	0		12,000		
15,355	sf		Fine grade slabs	0		2,305	0		2,305		
700	су		Removals offsite	0		5,600	0		5,600	78,720	
	٠,	φοισσ	Total Div 31	0	0	78,720	0	0	78,720	.0,720	78,720
				0		0	0		0		
				0		0	0		0		
				0		0	0		0		
				0		0	0	<b> </b>	0		
				0		0	0		0		
				0		0	0	<b></b>	0		
		***************************************		0		0	0	<b> </b>	0		***************************************
				0		0	0	<b></b>	0		
				0		0	0		0		
				0		0	0	<b></b>	0		
				0		0	0	-	0		
			222 Mountain Road, Raymond ME 04071 ~ 207.627.4099 ph/fx		-		3	1-0-: -	l	onsulting ~ Va	

OB#	2021.16		TOWN OF JACKSON NH - FIRE STATION	<u>SD</u>			W	ORKSHEE	TS	(page 12)	<u> </u>
			8/9/2021								
Qnty	X on	Units	Description	Mtrl	Eqpmt	Subcon	Labor	Other	TOTAL	SECT'N	DIVS'N
				0		0	0		0		
			Div 32 - Exterior Improvements	0		0	0		0		
			Site Finishes (illustrative scope only)	0		0	0		0		
	sf	t.b.d.	4 1/2" bituminous paving @ heavy duty apparatus traffic areas	0		0	0		0		
	sf	t.b.d.	3 1/2" bituminous paving @ standard duty traffic areas	0		0	0		0		
	If	t.b.d.	Granite curbs	0		0	0		0		
1	ls	t.b.d.	Striping	0		0	0		0		
	sf	t.b.d.	5" c.i.p. concrete walkways	0		0	0		0		
	sf	t.b.d.	12" c.i.p. dumpster pad on 12" gravel w/perimeter fencing & double gate	0		0	0		0		
	sf	t.b.d.	8" c.i.p. AC condensing pads on 12" gravel	0		0	0		0		
	sf	~~~~	12" c.i.p. generator pad on 12" grave	0	1	0	0		0		
	If	***************************************	Decorative yard fencing t.b.d.	0	1	0	0		0	İ	
	ea		Flagpole concrete bases	0	<b>1</b>	0	0		0		·····
	set		Picnic table & trash can sets	0	1	0	0		0	<b> </b>	
	ea		Monumental signage	0	1	0	0		0		
1	Is		Signage ADA & directional	0	<b>+</b>	0	0		0		<u> </u>
	ea		ADA walkway transition	0	<b></b>	0	0		0		<u> </u>
	sf	***************************************	Loam & seed	0	-	0	0		0		<u> </u>
1	Is	***************************************	<u> </u>	0	-	<u>0</u>	<u>0</u>		0	0	ļ
	15	t.b.u.	Landcaping	0	•		0		0	U	0
			Total Div 32	ļ	0	0	<del></del>	0			U
				0	<b></b>	0	0		0		ļ
			<u>Div 33 - Utilities</u>	0	-	0	0		0		ļ
			Site Utilities (illustrative scope only)	0		0	0		0		
	sf		Stormwater u.g. collection system	0	-	0	0		0		
	If	t.b.d.	storm system 12" & 15" average pipe size	0	ļ	0	0		0		ļ
	ea	t.b.d.	storm CB pavement	0		0	0		0		ļ
	ea	t.b.d.	storm MH	0		0	0		0		
	ea	t.b.d.	storm field inlet	0		0	0		0		
	set	t.b.d.	storm daylight outfall & riprap	0		0	0		0		
	lf	t.b.d.	Water 6" dedicated sprinkler line w/valves	0		0	0		0		
	If	t.b.d.	water 2" dedicated domestic line w/valves	0		0	0		0		
	ea	t.b.d.	fire hydrant & water loop	0		0	0		0		
	If	t.b.d.	Sanitary sewer 6" piping	0		0	0		0		
	ea	t.b.d.	sanitary MH	0		0	0		0		
	Ward??	t.b.d.	sanitary connection to existing system	0		0	0		0		
	Ward??	t.b.d.	septic field & holding tank	0	T	0	0		0		
gas	company		Gas lines & building regulators propane service exterior to building	0		0	0		0		
***************************************	on size??	t.b.d.	u.g. buried propane tank service & c.i.p. pad & hold down system	0		0	0		0		
Ī	ea	***************************************	20' parking area light standards & concrete bases	0	1	0	0		0		
	ea	t.b.d.	walkway bollard lighting & concrete bases	0	İ	0	0		0		
-	If	t.b.d.	field lighting conduits & wiring	0	<b>T</b>	0	0		0		
1	ls	t.b.d.	flagpole & monumental sign illumination	0	1	0	Ω		0	0	
	13		Total Div 33	0	0	0	0	0	0	J	0
-			IUGI DI V 33	0	1	0	0		0		, J
				0	1	0	0		0		
				0		0	0		0		
	1										