




HVAC Kit	2	<ul style="list-style-type: none"> • 6 each 480 volt 3 phase 10ton HVAC units – 3 per building Units will include panel box(s). Panel box(s) are to be installed in the corner of the building, power cable, remote box and cable, panel box, and 20' of supply and return Mil Spec Flex Ducts. Units cannot be exchanged for a different power supply once ordered! Please specify your power requirements prior to placing an order if they are different from what is listed above! Additional charges may apply for optional power supplies.  <p style="text-align: center;">The main power and connection to the panel box is the responsibility of the customer!</p> <p><small>The customer is responsible for insuring that each HVAC unit is wired properly prior to commissioning each unit. If the customer neglects to insure the HVAC motors have been wired properly you run the risk of damaging the motors. The customer will bear all financial cost to replace or repair the HVAC unit in the event this occurs.</small></p> <p>Units will be installed up to 15' around the perimeter of the shelter. Customer is responsible for ensuring that area is level. Units have to be installed on a level grade.</p>	\$ 84,000.00
Installation Estimated: 4 work days per building	1	<ul style="list-style-type: none"> • Installation: Big Top Shelters will install the above shelter systems at your Daytona Beach, FL 32118 facility. Big Top Shelters will be responsible for all equipment, and non- union labor. Customer will be responsible for any and all safety course(s), training, 24/7 access to the site, removing all underground and overhead utilities, permits, dumpster for trash removal, foundation work, portalet or toilet facilities in near proximity to the site, special badges for clearance etc. prior to mobilization. Big Top Shelters is an installer of our product. We are not a construction company. If your site requires special licenses, has permit requirements, then a general contractor may be required. (See installation clause at the bottom of page.) 	\$ 27,500.00
Engineering	1	<ul style="list-style-type: none"> • Engineering: Stamped engineering by a professional engineer If your site requires special licenses, permits, or other accessory items to meet the local code requirements or project specific requirements then a general contractor may be required. If the shelter is purchased or installed prior to any permit approval the customer bears the cost of any upgrades to meet local code. All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, Shipping containers, concrete, soil, asphalt, custom support steel, etc. 	\$ 1,800.00
Trim Kit	1	<ul style="list-style-type: none"> • Trim Kit Seals fabric to building base rail or specified foundation Please specify prior to placing order 	Optional



Shipping and Handling	1	• Pre pay and add: Daytona Beach, FL 32118 <small>Shipping is primarily via 102' x 48' long flatbed trailers. To maximize stacking, there is little to no dunnage below the frames. Due to weight and handling issues, dunnage can possibly result in damage to the frame. If you require dunnage there COULD be additional costs due to lessened space on the flatbed or special stacking requirements.</small>	\$ 2,400.00
GRAND TOTAL		US DOLLARS.	\$ 195,700.00

Big Top Manufacturing
Toll Free 1-800-277-8677 - International 011-850-584-7786
www.bigtopshelters.com
l.houck@bigtopshelters.com



Technical assistance/installation clause:

Fees for services are \$ 830.00 for the United States and its territories, Canada, and the Caribbean. International Services are \$1100.00 USD per day per person. Included is hotel, rental car, meals, taxis, and airport parking. Expenses for airfare, visas, transfers, special job site training, ferries, and others will be billed at actual costs. On domestic and international installations, the daily fee extends from portal to portal from Perry, Florida. The Daily fee continues during the week Monday through Sunday regardless of whether work can be performed on Saturday or Sunday. Travel arrangements and accommodations are to be arranged or agreed to by Big Top Mfg. or the technician. (Domestic & International flights are to be coach class and the hotel accommodations are to be with a standard chain hotel). All remaining balances will be settled on prior to the departure of the technician from the job site. There may be some international regions where a service technician is not available. Call for details.

Big Top will not be responsible for any damage to the grounds, shrubbery, underground utilities, asphalt, concrete, etc. due to the normal construction process necessary to install the above shelters unless specifically provided for in the purchase contract.

In the event the above proposal includes metal/aluminum entry equipment doors, unless the shelter is built on level concrete, we cannot take responsibility for its operation. If uneven - such as is routinely encountered on asphalt or soil, the framework will likely require modification on site resulting in additional costs.

Big Top will provide soil or concrete wedge anchors as a standard form of anchoring. Big Top makes no representation as to the structural integrity or suitability of the concrete or soil. Any other anchoring surface or method is at the sole risk of the end user. No representation is made as to water drainage due to slope or foundation issues.

Shelter is to be installed in accordance with the provided assembly instructions, under the guidance of our technician or via Big Top. If the end user chooses to own install the shelter, finished photos are required including photos of the shelter with the anchors properly installed. In the event the shelter is ever relocated, new photos will be required including anchorage photos.

In the event the end user chooses to employ our technician, we make no representation as to the quality, suitability, or performance of the laborers or equipment provided. The estimate given is based upon typical installations worldwide but is not a guaranteed level of performance.

If Big Top is to fully install the shelter, unencumbered access is necessary. We assume a 7 day workweek. If the weekends cannot be worked, we will need to know this in ADVANCE to modify the proposal.

End user is responsible for permitting and any local taxes or tariffs, if any. If a turn-key installation by Big Top, it is the end user's responsibility to determine Big Top's ability to install the shelter based upon local licensing or permitting issues. All costs associated with this to be borne by the end user.

Shelter is defined as an equipment item. Proper maintenance is necessary to extend the life of the shelter frame, fabric, doors, and access panels. Proper maintenance includes but is not limited to checking fabric for proper tightness and adjusting as necessary, adjusting cables, pulleys, trolleys, turnbuckles, lubricating moving parts, inspecting nuts, bolts, etc.

Lighting, winches, heating, A/C, dehumidification units, doors, etc. are covered under the product manufacturer's warranty.

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August 4, 2016

Bill Chapin
 L. William Chapin
 315 North Atlantic Ave
 Daytona Beach, FL 32118

Dear Mr. Bill Chapin,

Please review the following quotation.

Proposal for: L. William Chapin

ITEM	QTY	DESCRIPTION	PRICE
Vinyl Structure	2	<ul style="list-style-type: none"> 50' Wide X 100' Long X 20' Center Height X 12' Side wall \$40,000.00 per building 18 OZ. Cover, Translucent White, Flame Retardant PVC Laminated fabric with polyester scrim. Frame Members: 18" truss using heavy wall tubular steel on 10' centers. Anchoring to be provided for a customer supplied concrete mounted foundation Unless otherwise stated, foundations other than concrete are assumed at 90% compaction or greater. It is the customer's responsibility to specify any foundation requirements prior to placing order. Fabric will end at ground level. All weld joints are coated for corrosion protection. All connections are made using a male to female/slip fit junction. 	\$ 80,000.00
End Wall	4	<ul style="list-style-type: none"> Access end wall. 1ea 10'wide x 10'high disappearing door per building and 2ea personnel door per end wall, per building. Disappearing door to include all the necessary winch, trolleys, pulleys, cables, and a manual winch. Disappearing doors are not a pre engineered door system and should be considered a flap. Engineered door systems are available but require additional funds. 	Included
Installation Estimated: 4 work days per building	1	<ul style="list-style-type: none"> Installation: Big Top Shelters will install the above shelter systems at your Daytona Beach, FL 32118 facility. Big Top Shelters will be responsible for all equipment, and non- union labor. Customer will be responsible for any and all safety course(s), training, 24/7 access to the site, removing all underground and overhead utilities, permits, dumpster for trash removal, foundation work, portalet or toilet facilities in near proximity to the site, special badges for clearance etc. prior to mobilization. Big Top Shelters is an installer of our product. We are not a construction company. If your site requires special licenses, has permit requirements, then a general contractor may be required. <p>(See installation clause at the bottom of page.)</p>	\$ 27,500.00

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3255 N. US 19
 PERRY FL.
 32347

19



Engineering	1	<ul style="list-style-type: none"> • Engineering: Stamped engineering by a professional engineer If your site requires special licenses, permits, or other accessory items to meet the local code requirements or project specific requirements then a general contractor may be required. If the shelter is purchased or installed prior to any permit approval the customer bears the cost of any upgrades to meet local code. All engineering to support the structure is considered "by others", unless specifically noted on our drawings. That includes, but is not limited to, Shipping containers, concrete, soil, asphalt, custom support steel, etc. 	\$ 1,800.00
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GRAND TOTAL		US DOLLARS.	\$ 110,900.00

Payment Terms: 50% Deposit With Order - Remaining Balance is Due Prior to Shipping.

Lead Time: 4-5 weeks from the date of an approved purchase order. For a Big Top installation crew please consider 8 – 10 weeks, subject to customer needs. Please verify prior to placing an order and or a purchase decision. Lead times can be subject to change at any time. Big Top accepts cash, credit cards (3% processing fee applies on all orders greater than \$5,000.00), check, wire transfer, and ACH transactions. Please make all checks payable to Big Top Manufacturing Inc.

Lead times are estimated based on our current schedule at the time of the dated proposal. The actual lead times will be based on the current schedule at the time of signed and approved purchase order date, and or approved deposit.

Please insure that your balance is paid prior to shipping. Your building will not be shipped and or released until full payment has been received. Orders using net payment terms are subject to other rules.

Sincerely,

Lance Houck
Sales Representative
l.houck@bigtopshelters.com

Approved This Day of , 2016

P. O. #



Technical assistance/installation clause:

Fees for services are \$ 830.00 for the United States and its territories, Canada, and the Caribbean. International Services are \$1100.00 USD per day per person. Included is hotel, rental car, meals, taxis, and airport parking. Expenses for airfare, visas, transfers, special job site training, ferries, and others will be billed at actual costs. On domestic and international installations, the daily fee extends from portal to portal from Perry, Florida. The Daily fee continues during the week Monday through Sunday regardless of whether work can be performed on Saturday or Sunday. Travel arrangements and accommodations are to be arranged or agreed to by Big Top Mfg. or the technician. (Domestic & International flights are to be coach class and the hotel accommodations are to be with a standard chain hotel). All remaining balances will be settled on prior to the departure of the technician from the job site. There may be some international regions where a service technician is not available. Call for details.

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PROGRAM:

Erect a **full-service homeless recovery facility** at the foot of Red John Road, across the street from the Stewart-Marchman ACT crisis center, and 1/4 mile from the Volusia County jail. The facility will be close to the center of the county.

The facility will consist of four residential pavilions along with staff and service components. The pavilions will be constructed of steel frame mounted on block perimeter walls, with the roof pitched 20 degrees toward the south. The pavilions will have high clerestory windows with remote motorized opening hardware on the north walls and operable windows at eye level on the south walls, so that the windows can be opened at appropriate times to enhance century effect air movement through the pavilions, which will be aided by large ceiling fans.

Three staff offices per pavilions will have both direct access into the pavilions and to the outside. The pavilions will each have lavatory and bathing components, as well as a lounge at one end of the open space. A highly efficient straight-line HVAC system will maintain a comfort level within the pavilions of 60°-80°.

The pavilions are configured to be expandable lengthwise, and a third band of pavilions could be added northward if additional capacity were to be needed in the future. Conversely, the size of the pavilions could be reduced prior to construction if found to be desirable.

Staff and service spaces are provided and connected to the pavilions by covered walkways so as to avoid costly internal corridors, similar to the strategy used to connect "portables" in schools.

The 28,000 sq. ft. of sloping roofs will provide the ability to install sufficient photovoltaic collectors to power the needs of the entire facility.

VOLUSIA SAFE HARBOR

BUILDING AREAS AND COSTS:

Pavilion 1 - 6, 250 sq. ft.

Pavilion 2 - 6,200 sq. ft.

Pavilion 3 - 6,740 sq. ft.

Pavilion 4 - 4,650 sq. ft.

Total pavilions - 23,840 sq. ft. @ \$85.00/ft = \$2,026,400

Kitchen/Storage - 2,580 sq. ft. @ \$110.00/ft = \$ 283,000

Reception/triage/support - 6,380 sq. ft. @ 120.00/ft = \$ 701,800

Building total: 32,800 sq. ft. = \$3,011,200

PAD AREA

Pad area = 53,000 sq. ft (1.23 acres)

Mitigation @ \$100,000/acre.

fill @ \$10/sq.yd placed

\$150,000 site improvements (sewer,
water, storm water, paving)

Total pad placement complete = \$ 475,000

SUB-TOTAL \$3,486,200

Fees, contingencies (10%) = \$ 349,000

PROJECT TOTAL = \$3,835,200

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F.A.I.A. • ARCHITECT

file
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PROGRAM:

Erect a **full-service homeless recovery facility** at the foot of Red John Road, across the street from the Stewart-Marchman ACT crisis center, and 1/4 mile from the Volusia County jail. The facility will be close to the center of the county.

The facility will initially consist of two residential pavilions along with staff and service components. The pavilions will be constructed of steel frame mounted on block perimeter walls, with the roof pitched 20 degrees toward the south. The pavilions will have high clerestory windows with remote motorized opening hardware on the north walls and operable windows at eye level on the south walls, so that the windows can be opened at appropriate times to enhance century effect air movement through the pavilions, which will be aided by large ceiling fans.

Three staff offices per pavilion will have both direct access into the pavilions and to the outside. The pavilions will each have lavatory and bathing components, as well as a lounge at one end of the open space. A highly efficient straight-line HVAC system will maintain a comfort level within the pavilions of 60°-80°.

The pavilions are configured to be expandable lengthwise, and a second band of pavilions could be added northward if additional capacity were to be needed in the future. The slabs for these two more pavilions should be constructed as part of phase 1, as they would be useful for other outdoor activities as shown

Staff and service spaces are provided and connected to the pavilions by covered walkways so as to avoid costly internal corridors, similar to the strategy used to connect "portables" in schools.

The 28,000 sq. ft. of sloping roofs will provide the ability to install sufficient photovoltaic collectors to power the needs of the entire facility.

BUILDING AREAS AND COSTS:

Pavilion 1 - 6, 250 sq. ft.

Pavilion 2 - 6,200 sq. ft.

Total pavilions - 12,450 sq. ft. @ \$85.00/ft = \$1,058,250

Kitchen/Storage - 2,580 sq. ft. @ \$110.00/ft = \$ 283,000

Reception/triage/support - 6,380 sq. ft. @ 120.00/ft = \$ 701,800

Building total: 32,800 sq. ft. = \$2,043,050

PAD AREA

Pad area = 53,000 sq. ft (1.23 acres)

Mitigation @ \$100,000/acre.

fill @ \$10/sq.yd placed

\$150,000 site improvements (sewer,
water, storm water, paving)

Total pad placement complete = \$ 475,000

SUB-TOTAL \$2,518,050

Fees, contingencies (10%) = \$ 251,800

PROJECT TOTAL = \$2,769,850

ANALYSIS CONTRIBUTORS:

Coleman-Goodemote construction - Harold Goodemote

General building construction

Atlantic Central Industries - Steve Traulsen

Steel frame production and erection

Zev Cohen & Associates - Bobby Ball, CE

Civil engineering

Solar-Fit Energy Management Systems - Bill Gallagher

Solar thermal and photovoltaic systems

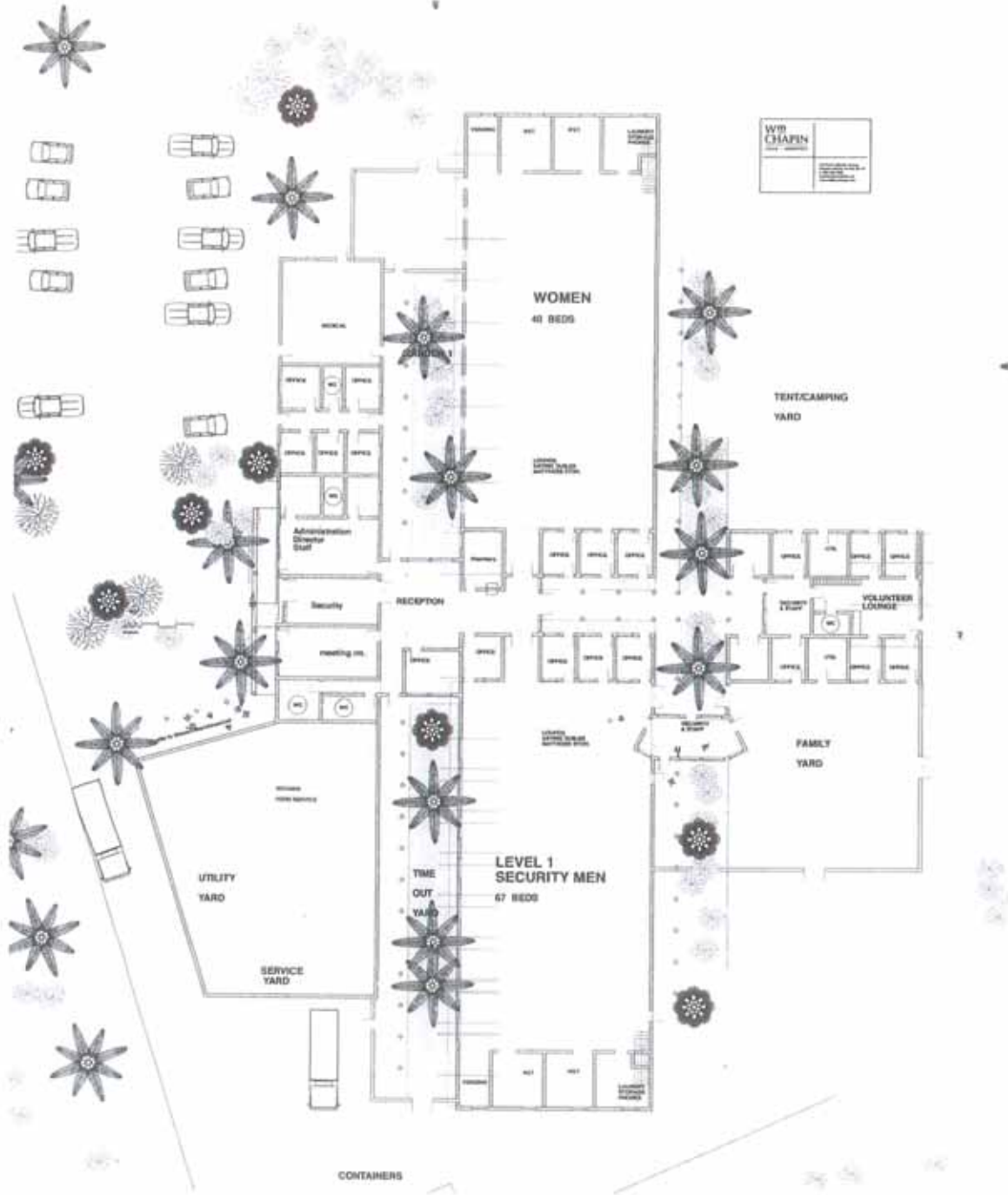
LEEPCORE Structural Insulated panels, Inc - John Norquist

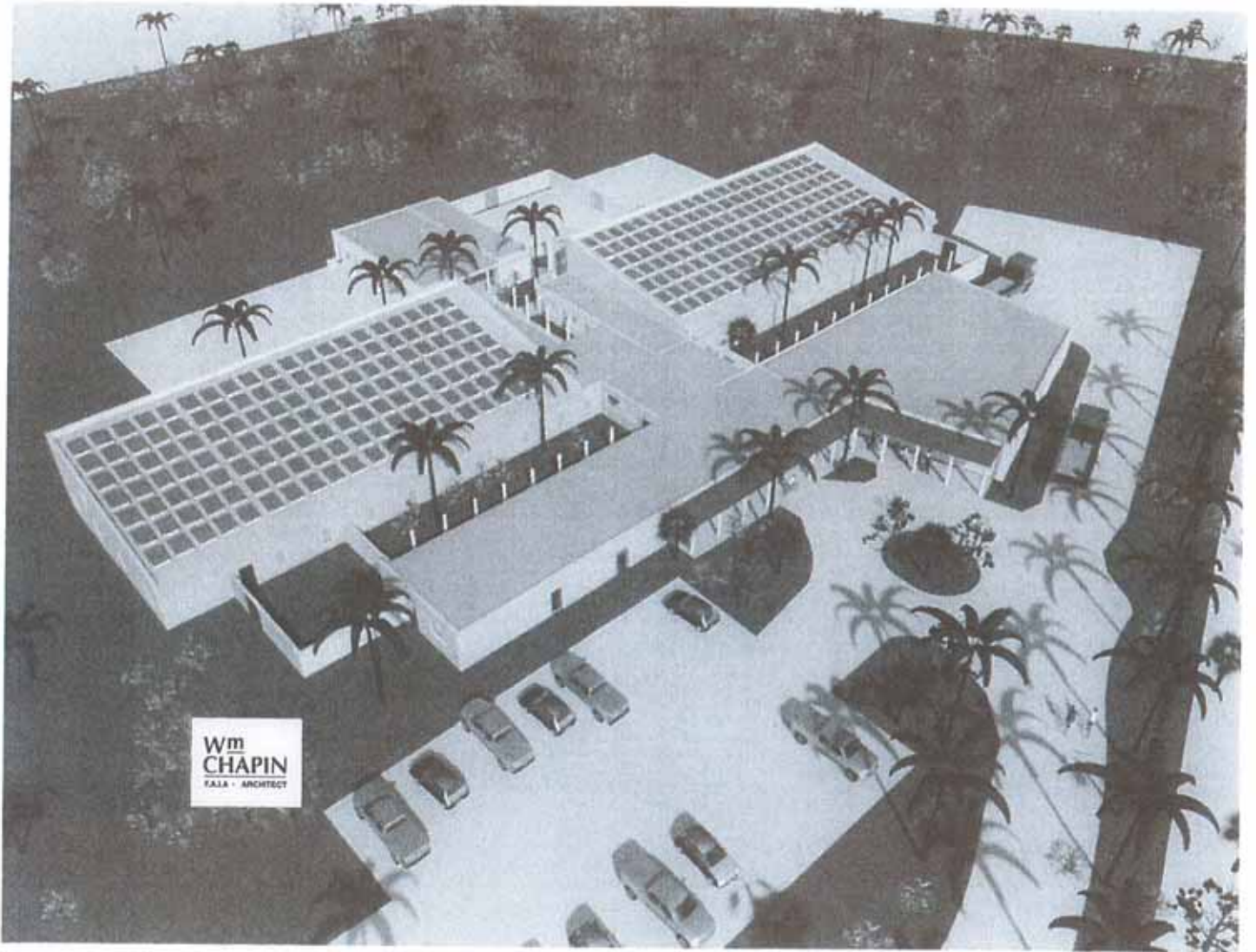
Pavilion roof deck system

Halifax Urbal Ministries - Troy Ray, Mark Geallis

Food service, staff space programming

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williamchapin.com

Date of PIT Count: 1/26/2016

Population: Sheltered and Unsheltered Count

Total Households and Persons

	Sheltered			Unsheltered	Total
	Emergency	Transitional	Safe Haven		
Total Number of Households	191	88	0	439	718
Total Number of Persons	233	191	0	581	1,005
Number of Children (under age 18)	43	96		24	163
Number of Persons (18 to 24)	12	10	0	34	56
Number of Persons (over age 24)	178	85	0	523	786

Gender

	Sheltered			Unsheltered	Total
	Emergency	Transitional	Safe Haven		
Female	90	107	0	170	367
Male	143	84	0	411	638
Transgender (male to female)	0	0	0	0	0
Transgender (female to male)	0	0	0	0	0

Ethnicity

	Sheltered			Unsheltered	Total
	Emergency	Transitional	Safe Haven		
Non-Hispanic/Non-Latino	215	182	0	560	957
Hispanic/Latino	18	9	0	21	48

Race

	Sheltered			Unsheltered	Total
	Emergency	Transitional	Safe Haven		

Point In Time Summary for FL-504 - Daytona Beach/Daytona/Volusia, Flagler Counties CoC

White	170	94	0	431	695
Black or African-American	55	91	0	130	276
Asian	0	0	0	1	1
American Indian or Alaska Native	4	0	0	10	14
Native Hawaiian or Other Pacific Islander	0	0	0	2	2
Multiple Races	4	6	0	7	17



HALL & OGLE ARCHITECTS, INC.

AA-C000925

208 Magnolia Avenue
Daytona Beach, Florida 32114

PH: (386)255 -6163
FAX: (386)257-5650

August 11, 2017

Rev. Dr. Ronald Durham, D.D., D.P.S.
Community Relations Manager
City Manager's Office
City of Daytona Beach

Re: First Step Homeless Assistance Facility

Dr. Durham:

This letter is in response to inquiries as to Hall and Ogle's knowledge of and involvement in this project to this point.

As you are aware, Hall & Ogle has been assigned this project through our Continuing Services Contract with the City of Daytona Beach. We were engaged by the city last year to produce a study of utilizing pre-manufactured (purchased or leased) temporary construction units for this facility. This concept ultimately was not pursued by the city.

Previously, another architectural firm had developed a concept that utilized standard open tent structures and several shipping containers converted for use as health care and administrative services areas. This concept also was not pursued by the city.

Over the past year a new approach was being proposed as a temporary facility utilizing a Tensile Fabric system. This concept has been shared with the stakeholders and the city officials. The Project seems to be gaining traction as many in the community would like to see this project come into reality.

We were again contacted by the city during the month of July 2017, and asked to revisit and re-engage the project. At this time, the project was still lacking in development. The clarified objective was to design a facility utilizing conventional permanent construction systems within a building construction budget of \$2,000,000.

We feel this is an important project for our community because of the obvious humanitarian need to provide assistance to the homeless component of our area, and quite frankly, we are honored and excited to be asked again to be involved in bringing it to fruition. We jumped back into the project with earnest, and because of the span of time that had lapsed from our original involvement, we began our research back at the beginning to reacquaint ourselves with the original concepts and project history.

We discovered that the facility was still only at a conceptual level of programming to date.

JOHN E. HALL

DAVID D. OGLE

The following is a general comparison and summary of the design approaches from the studies requested of the two architectural firms involved.

Method 1

The new method proposed by the original firm is to develop the project in (3) phases to achieve full project build-out. Phase 1 of this method entails constructing a temporary facility utilizing a Tensile Fabric System. The building as proposed would utilize a raised precast concrete floor system on continuous 4 foot high stem wall foundations. It also requires the purchase or leasing of modular units (trailers) to accommodate the core functions of Administrative, Health Care, Food Services and all plumbing, shower and laundry services.

The proposed probable initial cost is \$658,600 (including modular units) which from our research appears unrealistically low. This proposed cost would need to be reviewed carefully to verify that figure. This method has the advantage of a shorter construction time, potentially one third to one half the time required to construct a permanent facility (approximately a 3-6 month time savings). We are not able to determine if the proposed method meets the requirements of the core program at this time due to lack of information.

This method proposes to utilize this temporary facility for two to five years (or as required) depending on the status of future funding for the capitol cost of building the next phase of the project. The temporary building is proposed to be removed at additional expense at that time or at a future date. The short and long term operational costs of this method should be reviewed further to determine any cost savings or added expenses over a conventional/ permanent facility. The actual costs and program compliance of this proposed method would need further development to arrive at a more concise opinion of feasibility. (Reference the attached email discussing the Tensile Fabric System in more detail.)

It should be noted that the proposed construction figure of \$658,600 is not the actual cost of the project, it is only the cost of a temporary solution that will be in addition to whatever the actual (yet to be determined) cost of the future permanent facility will be.

We would also like to acknowledge the enormous amount of work, effort, and dedication this firm has invested into the project. The project as a whole will benefit greatly from their input and research.

Method 2

Hall and Ogle continued our research to include multiple discussions and meetings with the various stakeholders in the project to refine the programming to a more functional level from which a realistic design could be produced from programmatic and budgetary standpoints. That programming was arrived at through the gracious input from several organizations who were already (and patiently) involved with the project such as Catholic Charities, whose business plan and personnel input was extremely helpful, beneficial, and greatly appreciated. Halifax Health was also instrumental in developing their part of the facility program requirements, as well as additional beneficial input from the City of Daytona Beach.

As a result of many hours of work and an evolution of the building geometry based in part on the design from the original architectural firm, a program was developed that addresses the needs envisioned by those parties dedicated to seeing this project become a reality. Based on that program, and with many more hours of work including revisiting the original design concepts, we were able to arrive at a solution that now resolves the many issues with a project of this size and nature. That solution provides for a permanent building, which revolves around separating the project into distinct functional phases so that the completed facility will meet the immediate needs in a timely fashion under the umbrella of a steadfast budget, while making the best use of the available funding allowing for future expansion under the subsequent phases of the project.

Our initial development of the building designed for Phase 1 was 16,907 square feet with a projected construction cost of \$2,960,00. That cost was driven by the program requirements expressed by the contributing parties mentioned earlier, which, unfortunately, resulted in a 30 percent overage of the budget. We immediately started developing alternate concepts to bring the building to within the budget ceiling, which resulted in (2) options presented to the city as pathways to get there.

One option was to utilize temporary modular units for a portion of the building. This would also require funding for these units to come from another source. This option was rejected by the city.

The second option was to scale back the Administrative, Health Care, and Food Service areas. These areas still function adequately for the facility at a basic level with the ability to expand all of them back to the original desired program requirements through phased construction.

As stated before, when approached by the city to revisit the project in July, our research included reviewing all of the previous work and effort put into the project by all parties involved, which included basic foundational building concepts developed by both architectural firms to identify where additional cost savings could be developed. By combining desirable elements from all concepts and manipulating the evolving plan we arrived with a building geometry that not only achieved the necessary cost savings, but also improved the functionality of the facility and its spatial adjacencies and flexibility.

These revisions also provide for additional building expansion past the desired program, allowing for the inevitable need for future growth of the facility as the community's needs change. Also, this expansion capability is before the planned Phase 2 (doubling) of the project. The revisions allow for centralizing the Dining/ Day area to the center of the facility to improve functionality and flexibility of space usage, also allowing options of how to build and condition this space creating additional cost savings.

We are presently studying additional options for utilizing various construction methods, materials, equipment and systems to enhance the balance of initial and long term costs.

After great effort and many hours of work, we have achieved a schematic design that meets the basic program requirements with the ability to achieve the enhanced program desires through a phased project schedule, resulting in a building that is 15,910 square feet. Our projection of probable cost is \$2,007,000, which is now within 0.35 percent of the budget ceiling. Frank Van Pelt, Technical Services Division Director for the City of Daytona Beach Public Works Department has stated that he feels that

projected cost will actually be closer to \$1,980,000. Additionally, we have also developed an alternate (if required) to reduce the building cost to \$1,750,000. This option reduces the programmed women's population to 24 and the overall population to 102.

We are now finally confident that the City of Daytona Beach will be able to build this much needed permanent facility that meets the core functionality requirements utilizing conventional construction techniques and systems within the \$2,000,000 budgetary ceiling.

This permanent facility will provide a dynamic, functional, first phase core that can expand and grow as the needs of the community change over time in an efficient and cost effective manner. Attached to this letter are reference drawing sheets A2.0.0, A2.0.1 and A2.0.2 for a graphical depiction of the final conceptual design options.

In conclusion, we would like to express our belief in this project, our recognition of its importance to our community and its benefit to many of our community that require the assistance it will provide. Now is the time to build on the efforts and foundation that has been built by so many involved to develop a Homeless Assistance Facility that serves this community and gives all in the homeless community a First Step towards Home!

We thankfully appreciate the opportunity to work with you on this project. Let me know if you have any questions.

Respectfully,

A handwritten signature in black ink, appearing to read "John E. Hall". The signature is stylized with a large, looping initial "J" and "H".

John E. Hall, Principal/ President

Hall & Ogle Architects, Inc.

----- Forwarded Message -----

Subject:First Step Shelter Roofing Construction Systems---Tensile Fabric Roof/ Wall System and Conventional Roofing and Wall Systems

Date:Tue, 8 Aug 2017 20:34:29 +0000

From:VanPelt, Frank <VanPeltFrank@CODB.US>

To:john Hall <jhall@hoarchitects.com>

John,

For your use...

The following observations and comparisons are based upon the data provided in the Memo that I received and The City's institutional experience since its incorporation in 1876 constructing, owning and maintaining conventional roofing and wall systems for governmental, performance venues and other community buildings of all sizes and types:

- The Tensile Fabric System that is proposed is not a PTFE impregnated Fiberglass system like the systems used in the 3 example projects that are listed in the Memo and are located in Canada and the western United States.
- The Tensile Fabric material system specified by the vendor for use on the Shelter *is an 18 oz. laminated PVC Tensile Fabric and is not a PTFE impregnated Fiberglass system.*
- The PVC in the Tensile Fabric material is sensitive over time to damage from and will be constantly exposed to Florida's high level of UV (sunlight) transmission requiring specialized maintenance to meet manufacturer's minimum projected life expectancy
- On the website of Big Top Manufacturing, the vendor supplying the PVC Tensile Fabric product, the Specifications chart shows that PVC Tensile Fabric has a 5 Year Warranty maximum
- The specification chart also shows an anticipated 10 to 12 year total lifetime expectancy meaning that total replacement of the roof and wall system is anticipated at that time or before.
- Conventional roofing systems have manufacturer's warranties that range from 15 to 20 years and manufacturer's anticipated lifetime expectancies that range from 20 to 50 years and wall systems with total lifetime expectancies of up to 100 years.
- Given its anticipated lifetime and manufacturer's warranty period it appears that the use of a PVC Tensile Fabric roofing and wall system is intended for the construction of a more interim temporary structure where the system will be discarded upon the construction of a permanent structure with conventional roof and wall system structure.
- The use of conventional local proven roofing and wall systems will provide a permanent building core which can be expanded upon while maintaining the roof and essential wall system in place with minimum construction impacts to its residents, equipment and other HVAC, electrical and plumbing systems while the expansion is underway.
- The PVC material used in the Tensile Fabric is common in plastic product manufacturing. Its weather resistance, wind-load resistance and structural integrity degrades more rapidly of over time than conventional roofing and wall system materials when equally exposed to Florida's high UV (sunlight) levels and stormy weather events as indicated by the short warranty period and total replacement life expectancy.
- The PVC fabric would require specialized maintenance (materials, means of access, patching methods, etc... which is beyond the capabilities of City staff and experienced local vendors have not yet been found locally.

- City staff is very familiar with the operation and maintenance of conventional roof and wall systems and if needed during catastrophic wind events additional expertise is readily available through numerous competitive local experienced vendors that are already under continuing services contracts to the City.
- It is intuitive when applying an industry standard energy efficiency calculation for sizing Heating and Air Conditioning systems and their annual usage of power that the large overhead volume of air space will not cool, heat and dehumidify efficiently over the lifetime of the structure adding significantly to the operating cost of the building and the arched steel beams will require electrical and mechanical systems to have specialized and more expensive designs to be installed between and on the widely spaced overhead arched beams and top provide the operating environment for the electronic technology that will be used throughout the administrative areas.

SUMMARY

- *The use of conventional roofing and wall systems has been repeatedly time tested in a wide range of environments across the world as well as locally showing that it produces the most efficient, life cycle cost-effect and durable structure and provides the interior environment that meets the needs of both human beings and technology through energy efficient means with the capability of future expansion with minimum disruption to existing operations.*
 - *The use of PVC Tensile Fabric for the roof and walls of the structure will take less time for construction and may be 5% to 8% cheaper upfront than conventional systems but it is still anticipated to be an interim throw away structure when replaced by a permanent conventional roof and wall system structure at a later date. The total life cycle cost of a PVC Tensile Fabric roof/wall system is intuitively more expensive due to operational and maintenance costs and requires significant disruption of existing operations hen expansion is required otherwise it would be the industry standard type of construction across the nation and locally.*

Frank M. Van Pelt, CPM
 Technical Services Division Director,
 Public Works Department
 City of Daytona Beach, FL 32115
 (386)671-8635

BASE BID PLAN

BUILDING AREAS	
ADMIN. RECP'T/ OFFICES	996 SF
HEALTH WARD AREA	1,366 SF
SECURE ENTRANCE	164 SF
FLEX. SPACE/ DINING AREA	2,720 SF
MAIN CIRCULATION AREA	1,992 SF
WOMEN'S MISC. AREA	930 SF
WOMEN'S DORM AREA	1,994 SF
WOMEN'S TOILETS/ SHOWERS	566 SF
MEN'S MISC. AREA	920 SF
MEN'S DORM AREA	2,630 SF
MEN'S TOILETS/ SHOWERS	566 SF
FULL SERVICE KITCHEN	528 SF
COVERED DECK AREA	500 SF
TOTAL CONDITIONED AREAS	11,168 SF
TOTAL NON-CONDITIONED AREAS	4,294 SF
TOTAL AREA	15,910 SF

NOTE:
AREAS SMALLER THAN PROGRAM REQUIREMENTS
NEED PROGRAM REVIEW/ ACCEPTANCE
W/ STAKEHOLDERS AND ENGINEERS REVIEW

52 BEDS MIN. 125 BEDS MAX
146 MAX. W/ 21 OVERFLOW
40/60 SPLIT WOMEN TO MEN



FLOOR PLAN
FIRST STEP HOMELESS SHELTER PHASE 1
SCALE: 1/8" = 1'-0"
BASE BID PLAN



HALL & OGBLE
ARCHITECTS, INC.
200 W. UNIVERSITY AVENUE, SUITE 1010
DAYTONA BEACH, FLORIDA 32114
www.hallandogble.com

FIRST STEP HOMELESS SHELTER
WEST INTERNATIONAL SPEEDWAY BLVD.
DAYTONA BEACH, FLORIDA

NO.	REVISION/ SUBMISSIONS	DATE

COMMISSION NO. 1613
SCALE
PROJECT ARCH. #
DRAWN #
CHECKED #
DATE 2-14-11-2017

SHEET NO. A2.0.0

JOHN E. HALL ARCH00077

ALT. ONE OPTION

BUILDING AREAS	
ADMIN. RECPY/ OFFICES	996 SF
SECURE ENTRY	1,384 SF
SECURE ENTRANCE	184 SF
FLEX SPACE/DINING AREA	2,400 SF
MAIN CIRCULATION AREA	1,694 SF
WOMEN'S MISC. AREA	438 SF
WOMEN'S DORM AREA	786 SF
WOMEN'S TOILETS/ SHOWERS	280 SF
MEN'S MISC. AREA	920 SF
MEN'S DORM AREA	2,038 SF
MEN'S TOILETS/ SHOWERS	568 SF
FULL SERVICE KITCHEN	928 SF
COVERED DECK AREA	500 SF
TOTAL CONDITIONED AREAS	9,402 SF
TOTAL NON-CONDITIONED AREAS	4,294 SF
TOTAL AREA	13,696 SF

NOTE:
AREAS SMALLER THAN PROGRAM REQUIREMENTS
NEED PROGRAM REVIEW ACCEPTANCE
W/ STAKEHOLDERS AND ENGINEERS REVIEW

51 BEDS MIN. 102 BEDS MAX
223 MAX. W/ 20 OVERFLOW
30/70 SPLIT WOMEN TO MEN



FLOOR PLAN
FIRST STEP HOMELESS SHELTER PHASE 1
ALTERNATE 1 OPTION

HALL & OGLE ARCHITECTS, INC.
1110 DAYTONA BEACH BLVD. SUITE 100
DAYTONA BEACH, FLORIDA 32114
www.hallandogle.com

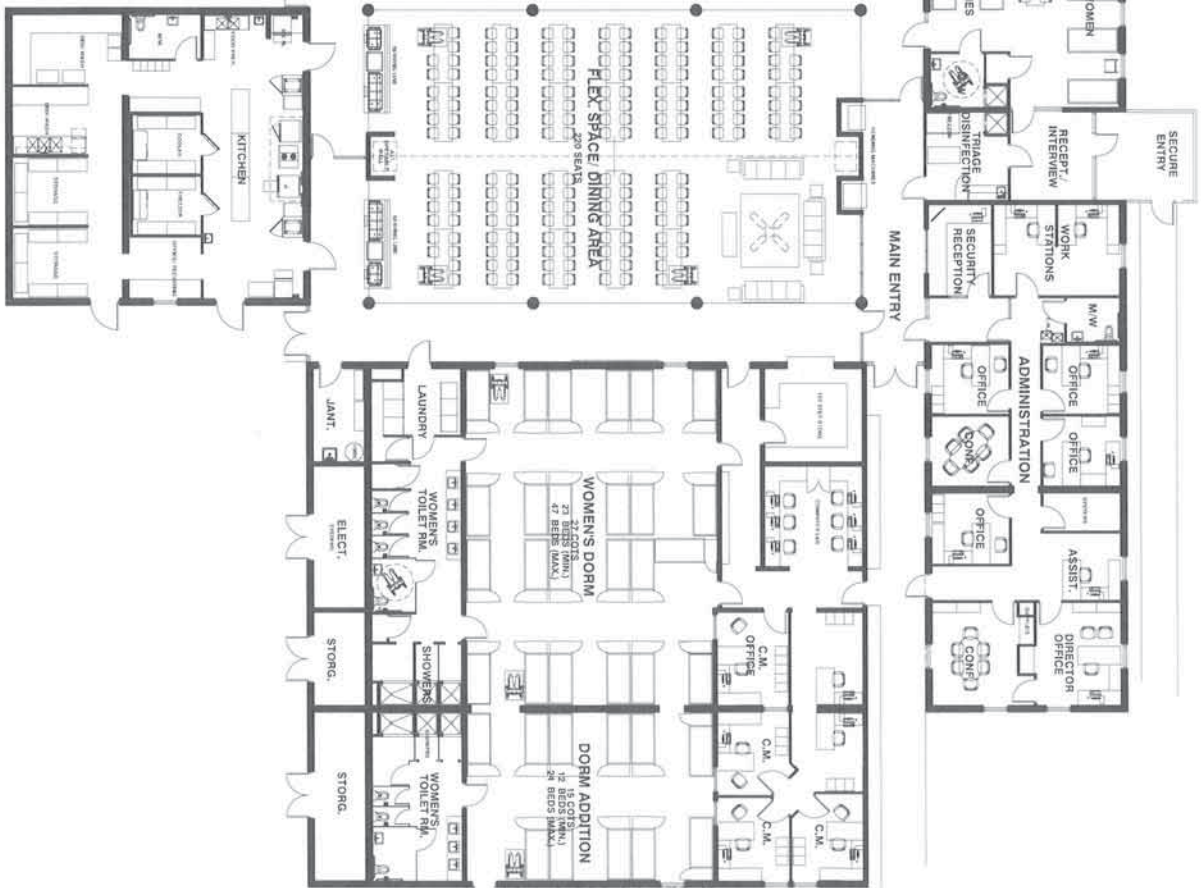
FIRST STEP HOMELESS SHELTER
WEST INTERNATIONAL SPEEDWAY BLVD.
DAYTONA BEACH, FLORIDA

NO.	REVISION DESCRIPTION	DATE

SHEET TITLE	SCALE	SHEET NO.
FLOOR PLAN	1/8" = 1'-0"	16/13
PROJECT NO.	DRAWN BY	CHECKED BY
DATE		A2.0.1

JOHN E. HALL - ARCHITECT

FLOOR PLAN
 FIRST STEP HOMELESS SHELTER PHASE I
 OPTION AAA



OPTION AAA

BUILDING AREAS

ADMIN. RECVTY OFFICES	1,776 SF
HEALTH WARD AREA	2,248 SF
SECURE ENTRANCE	194 SF
FLEX SPACE/DINING AREA	2,400 SF
MAIN CIRCULATION AREA	1,894 SF
WOMEN'S MISC. AREA	1,300 SF
WOMEN'S DORM AREA	2,290 SF
WOMEN'S TOILETS/SHOWERS	864 SF
MEN'S MISC. AREA	1,300 SF
MEN'S DORM AREA	3,966 SF
MEN'S TOILETS/SHOWERS	864 SF
FULL SERVICE KITCHEN	1,540 SF
COVERED DECK AREA	500 SF
TOTAL CONDITIONED AREAS	17,466 SF
TOTAL NON-CONDITIONED AREAS	4,294 SF
TOTAL AREA	21,760 SF

NOTE:
 AREAS SMALLER THAN PROGRAM REQUIREMENTS
 NEED PROGRAM REVIEW/ ACCEPTANCE
 W/ STAKEHOLDERS AND ENGINEERS REVIEW

94 BEDS MIN. 189 BEDS MAX
 210 MAX. W/ 21 OVERFLOW
 40/80 SPLIT WOMEN TO MEN

HALL & OGLE
 ARCHITECTS, INC.
 2800 W. UNIVERSITY AVENUE, SUITE 100
 DAYTONA BEACH, FLORIDA 32114
 TEL: 386.253.1111
 FAX: 386.253.1112
 WWW.HALLANDOGLE.COM

FIRST STEP HOMELESS SHELTER
 WEST INTERNATIONAL SPEEDWAY BLVD.
 DAYTONA BEACH, FLORIDA

NO. <input type="checkbox"/>	REVISION	DATE

PROJECT TITLE	COMMISSION NO.	SCALE
1613		
PROJECT NO.	DRAWN BY	SHEET NO.
DATE: 3-21-2017		A202

JOHN E. WALL, ARCHITECT



HALL & OGLE ARCHITECTS, INC.

AA-C000925

208 Magnolia Avenue
Daytona Beach, Florida 32114

PH: (386)255 -6163
FAX: (386)257-5650

August 22, 2017

Rev. Dr. Ronald Durham, D.D., D.P.S.
Community Relations Manager
City Manager's Office
City of Daytona Beach

Re: First Step Homeless Assistance Facility
Additional Facility Funding

Dr. Durham:

In response to your and Mr. Small's questions about what options would be available for the First Step Shelter if the State was to provide an additional \$1.5 million to the project, we would like to offer the following possibilities:

1. Provide \$250,000 of the funds to further develop the site work package above the current base design.
2. The base bid design would be able to expand to the full program requirements for phase 1 of the project:
 - +1,050 sf additional area for Health Services.
 - +840 sf additional area to Administration Services
 - +650 sf additional area to Food Services
3. Fully enclose the Central Area with glazing and provide conditioned space.
4. Design facility base plan to meet state requirements for a hurricane shelter.
5. Provide full I.T. / security equipment packages above base minimums.
6. Potentially grow the flex space to seat an additional 32 people, allowing more flexibility / functional use.
7. Provide 12' operable wall at flex space for added acoustical / functionality of flex space.
8. Improve acoustic performance of the facility in all areas.
9. Allow additional options in means/ methods and construction materials.
10. Potential for providing a permanent emergency generator (verses a portable unit brought in when emergency needs arise).

JOHN E. HALL

DAVID D. OGLE

These are some of the expanded services and improved capabilities of the facility if the additional funds become available.

Let me know if you have any questions.

Respectfully,

A handwritten signature in black ink, appearing to read "John E. Hall". The signature is stylized with a large, looping initial "J" and "H".

John E. Hall, Principal/ President

Hall & Ogle Architects, Inc.

BASE BID PLAN

BUILDING AREAS

ADMIN. RECPY./ OFFICES	996 SF.
HEALTH WARD AREA	1,386 SF.
SECURE ENTRANCE	184 SF.
FLEX. SPACE/DINING AREA	2,720 SF.
MAIN CIRCULATION AREA	1,962 SF.
WOMEN'S MISC. AREA	920 SF.
WOMEN'S DORM AREA	1,564 SF.
WOMEN'S TOILETS/ SHOWERS	568 SF.
MEN'S MISC. AREA	920 SF.
MEN'S DORM AREA	2,638 SF.
MEN'S TOILETS/ SHOWERS	568 SF.
FULL SERVICE KITCHEN	928 SF.
COVERED DECK AREA	500 SF.
TOTAL CONDITIONED AREAS	11,088 SF.
TOTAL NON-CONDITIONED AREAS	4,294 SF.
TOTAL AREA	15,382 SF.

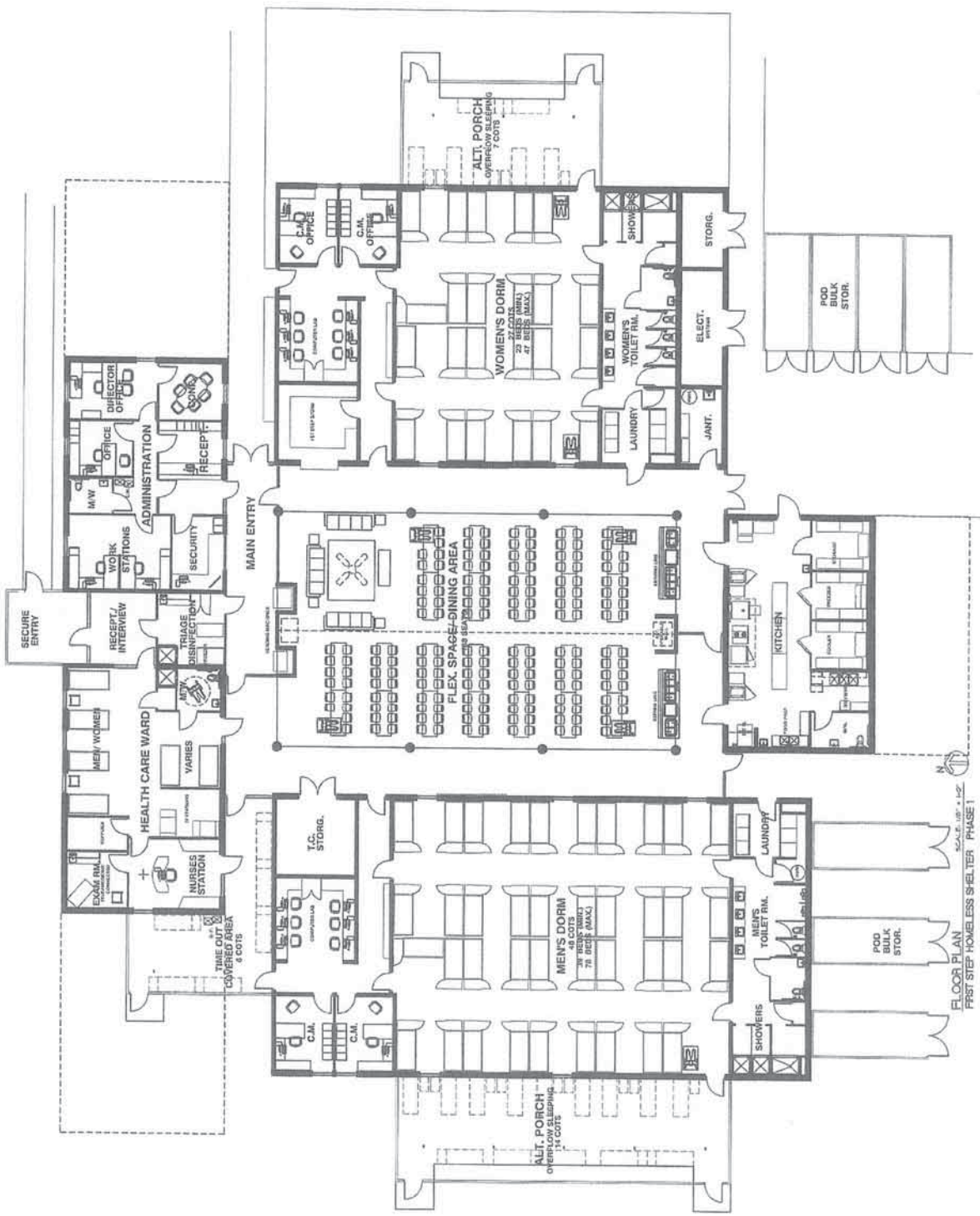
NOTE:
AREAS SMALLER THAN PROGRAM REQUIREMENTS
NEED PROGRAM REVIEW/ ACCEPTANCE
W/ STAKEHOLDERS AND ENGINEERS REVIEW.

62 BEDS MIN. 125 BEDS MAX.
148 MAX. W/ 21 OVERFLOW
40/60 SPLIT WOMEN TO MEN

HALL & OGLE ARCHITECTS, INC.
200 HANCOCK BLVD., SUITE 200
DAYTONA BEACH, FLORIDA 32114
P. 386.251.1111
FAX 386.251.1112
WWW.HOOGLEARCHITECTS.COM

FIRST STEP HOMELESS SHELTER
WEST INTERNATIONAL SPEEDWAY BLVD.

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FLOOR PLAN
FIRST STEP HOMELESS SHELTER PHASE 1
SCALE: 1/8" = 1'-0"
BASE BID PLAN

FINAL 8-14

WEST INTERNATIONAL SPEEDWAY BLVD.

120'-0"

80'-0"
SETBACK/
LANDSCAPE
BUFFER

EMERGENCY
ACCESS

EMERGENCY ACCESS

FLUOR
STATION

FUTURE PHASE 2 AREA

RETENTION

500'-0"

RETENTION

GARDEN
KENNEL

PHASE 1

SERVICE ACCESS

CLIENT/STAFF
PARKING

SITE PLAN
FIRST STEP HOMELESS SHELTER
BASE BID OPTION
SCALE: 1/4" = 1'-0"

BASE BID PLAN

BUILDING AREAS	
ADMIN/RECEPTION OFFICES	1066 SF.
HEALTH SERVICES	1310 SF.
SECURE ENTRANCE	164 SF.
REAR SPACE/DINING AREA	2170 SF.
MAIN CIRCULATION AREA	1746 SF.
WOMEN'S INSG. AREA	520 SF.
WOMEN'S TOILETS/SHOWERS	588 SF.
MEN'S INSG. AREA	620 SF.
MEN'S TOILETS/SHOWERS	588 SF.
FULL SERVICE KITCHEN	928 SF.
COVERED DECK AREA	500 SF.
TOTAL CONTROLLED AREAS	11098 SF.
TOTAL NON-CONTROLLED AREAS	14174 SF.
TOTAL AREA	15290 SF.

NOTE
AREAS SMALLER THAN PROGRAM REQUIREMENTS
NEED PROGRAM REVIEW ACCEPTANCE
IN STAFF/CLIENTS AND ENGINEERS REVIEW.

92 BEDS MAX. 125 BEDS MAX
14 BATHS 17 BATHS MAX
40/90 SF LIT WOMEN TO MEN

HALL & OGLE ARCHITECTS, INC.
200 INTERNATIONAL CENTER
DAYTONA BEACH, FLORIDA 32114
PHONE 321.254.1111
FAX 321.254.1112

FIRST STEP HOMELESS SHELTER
WEST INTERNATIONAL SPEEDWAY BLVD.
DAYTONA BEACH, FLORIDA

NO.	REVISION/DESCRIPTION	DATE

SCALE	COMMENTS/NO.	SCALE
1/4" = 1'-0"	1613	9/27/10
DATE: 07.26.10		

JOHN G. HALL, ARCHITECT

6.52

SECTION NORTH OF MYRTLE U.S. 90 PER SOUTH

U.S. HIGHWAY 90 S.B. 218

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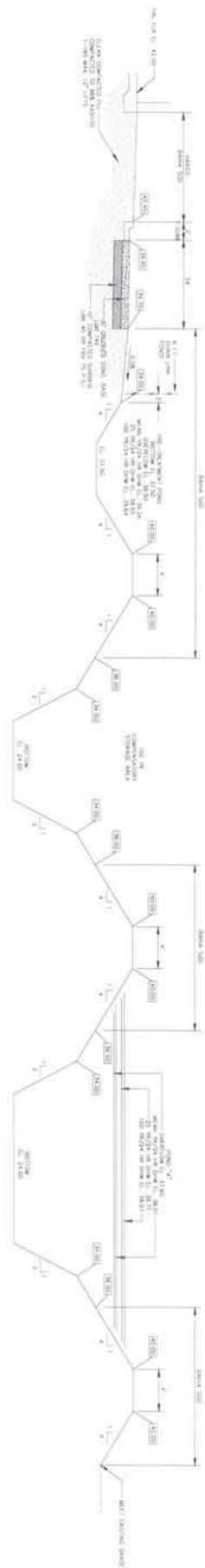
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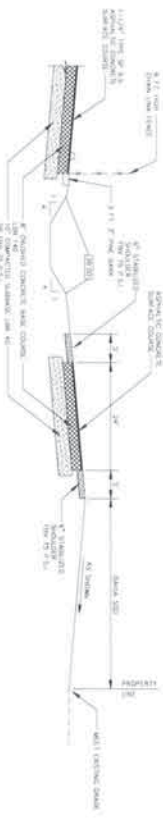
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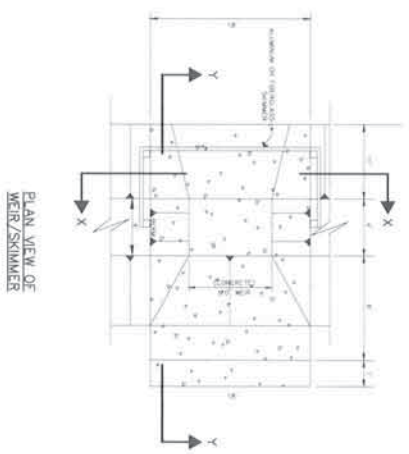
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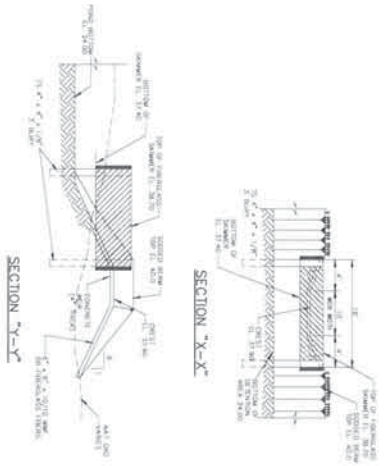
SECTION "A-A"



SECTION "B-B"



PLAN VIEW OF WEIR/SKIMMER



POND "A" CONCRETE WEIR DETAILS

KEY 40073
CITY APPROVAL STAMP

NO.	DATE	DESCRIPTION	BY

PARKER MYNCHENBERG & ASSOCIATES, INC.
 PROFESSIONAL ENGINEERS • LANDSCAPE ARCHITECTS
 1728 HUNTERWOOD AVENUE, HOLLY HILLS, FLORIDA 32117
 (407) 439-1100 FAX (407) 439-1101
 CENTRAL FLORIDA AUTHORITY LICENSE NUMBER 00005310

PAVING & DRAINAGE DETAILS

FIRST STEP
 HOMELESS ASSISTANCE SHELTER
 1728 HUNTERWOOD AVENUE, HOLLY HILLS, FLORIDA 32117
 DRAWING NO. 18295-006
 DATE 7/17/17
 SCALE 1"=8'-0"

DESIGNED BY PARKER MYNCHENBERG
 CHECKED BY PARKER MYNCHENBERG
 CADD TECH. BY
 SHEET 11 OF 18

YEAR

