

**FORM A - OFFEROR IDENTIFICATION & AUTHORIZED SIGNATORY**  
(DO NOT handwritten this Form. Information must be typed in.)

Invitation No.: MB11-20

Invitation Title: New/Leased Modular Buildings and Shelters

Offeror Company: TSG Industries

(Legal name of business which will appear on contract, if awarded)

Offeror Status: ☒ Manufacturer ☒ Dealer/Distributor ☐ Other

Response Type(1): ☐ Single Offeror Acting Alone Or As Lead ☐ Multiple Offerors Acting Jointly

Contract Signatory(2): \_\_\_\_\_ Title: \_\_\_\_\_

Mailing Address(3): 7040 Rook Blvd. Houston Texas 77087  
Street/PO Box City State & Zip

Physical Address: 2200 North Loop West, Suite 102 Houston Texas 77018  
Street City State & Zip

Phone: 832-660-5914 Fax: 281-605-3072

Email Address: [tsims@tsg-industries.com](mailto:tsims@tsg-industries.com)

Federal Tax ID No.: 47-1135838

Web Page URL: [www.tsg-industries.com](http://www.tsg-industries.com)

- (1) If Joint Offering, all parties must submit a signed Form A. A contract will be offered to each.
- (2) Person who will sign final contract documents if an award is made.
- (3) Address to which final contract documents would be sent for signature.

**Member Contact Information**

Contact Person(4): Ted Sims Title: Managing Partner

Mailing Address: 7040 Rook Blvd. Houston Texas 77087  
Street/PO Box City State & Zip

Physical Address: 2200 North Loop West, Suite 102 Houston Texas 77018  
Street City State & Zip

Toll Free Phone: 1-888-586-2703 Fax: 281-605-3072

Email Address: [tsims@tsg-industries.com](mailto:tsims@tsg-industries.com)

- (4) Person who End Users will contact for product information and to get pricing quotes.

**The Signatory below, on behalf of Offeror:**

- Acknowledges having thoroughly reviewed the Invitation;
- Attests to having the authority to sign this response and commit Offeror to honor all requirements;
- Makes, under penalty of perjury, all required Offeror Certifications as detailed in General Terms;
- Certifies that all information provided in this Response is true and correct.

Signature: 

Title: Managing Partner

Printed Name: Theodore Sims

Date: 24-Jun-20



**FORM B - HISTORICALLY UNDERUTILIZED BUSINESS ENTERPRISES**

Procurement No.: MB11-20

Title: New/Leased Modular Buildings and Shelters

Offeror: TSG Industries

Most, if not all, of the Members of HGACBuy are subject to various requirements relative to purchasing goods and services from Historically Underutilized Business Enterprises (HUBs)(See Note 1). These requirements are promulgated by federal and state governmental authorities, and include measureable criteria such as 'percentage of total dollars spent directed to HUBs', 'number of HUB contractors used', 'HUB subcontractors employed by primary contractors', etc. These requirements are generally formalized in goal oriented programs.

HGACBuy is comitted to promoting full and equal business opportunities for HUB contractors, and to assisting Cooperative Purchasing Program (COOP) Members in meeting mandated HUB goals. In that regard, Contractor shall make a good faith effort to use the services of Certified/Listed (See Note 2) HUBs whenever possible.

As part of a good faith effort, Contractor agrees to work with and assist HGACBuy Members in meeting HUB targets and goals, as may be required by any rules, processes or programs they might have in place. Such assistance may include such things as compliance with reporting requirements, provision of documentation, consideration of 'Certified/Listed' subcontractors, provision of documented evidence that an active participatory role for a HUB entity was considered in a procurement transaction, etc.

Note 1: There are many designations other than "HUB" used across the country within various jurisdictions. Examples include: terms such as Disadvantaged Business Enterprise (DBE), Minority Owned Business Enterprise (MBE), Woman Owned Business Enterprise (WBE), Small Disadvantaged Business (SDB), Small, Woman or Minority-owned Business (SWAM), etc. Regardless of the formal designation, the overall objective of the relavant programs is basically the same, i.e. to insure that disadvantaged and underutilized members of the business community receive a fair share of public spending. The term HUB as used herein shall be understood to encompass all such programs/business enterprises, no matter what terminology is used by the Member.

Note 2: The terms "Certified" and "Listed" as used in conjunction with HUB programs relate to the process of HUB qualification review. Jurisdictions usually require that companies claiming HUB status be reviewed and confirmed as meeting certain minimum requirements to claim that status, and that the review and confirmation process be carried out by certain designated entities. They are then "Certified" or "Listed" by having their name included on an official listing published by the Certifying or Listing Authority.

Accepted and Agreed By: 

Title: Managing Partner

Date: 6/24/2020

**HUB Status Of Offeror**☐ Offeror is a HUB, as detailed below.☐ Offeror is not a HUB.

Designation(s):

☒ HUB☒ DBE☒ MBE☐ WBE☐ Other

Certifying/Listing Authority(s):

City of Houston, TXDOT

**Subcontracts**

On a separate sheet, list any subcontractors that would be employed in providing products or services related to this procurement. Include subcontractor name, designation (HUB, DBE, etc.) and certifying/listing authority.

☐ Subcontractor List attached.☒ No Subcontractors will be used.

**Certification: View**[Certification List](#)[Add Date Alert](#)**Vendor Capabilities**

BUSINESS NAME	<b>THE SITHE GROUP LLC</b>
SYSTEM VENDOR NUMBER	<b>20018694</b>
PRIMARY OWNER'S NAME	<b>Theodore Sims</b>
ETHNIC GROUP	<b>Black American</b>
GENDER	<b>Male</b>

**Certification Information**

CERTIFYING AGENCY	<b>State of Texas HUB</b>
CERTIFICATION TYPE	<b>HUB - Historically Underutilized Business</b>
EFFECTIVE DATE	<b>8/31/2018</b>
RENEWAL DATE	<b>8/31/2022</b>

**Contact Information**

MAIN COMPANY EMAIL	<b>rtennyson@tsg-industries.com</b>
MAIN PHONE	<b>713-218-0211</b>
MAIN FAX	
MAIN COMPANY WEBSITE	<b><a href="http://www.tsg-industries.com">http://www.tsg-industries.com</a></b>

**Addresses**



PHYSICAL ADDRESS	<b>2200 NORTH LOOP WEST, SUITE 102 HOUSTON, TX 77018</b>
MAILING ADDRESS	<b>2200 NORTH LOOP WEST, SUITE 102 HOUSTON, TX 77018</b>

## Business Capabilities

BUSINESS CERTIFIED FOR	<b>Construction and Project Management Only</b>
FULL DESCRIPTION OF CAPABILITIES/PRODUCTS	
COMMODITY CODES	<b>No Codes Assigned</b>

## Owner Ethnicity and Gender

ETHNIC GROUP	<b>Black American</b>
GENDER	<b>Male</b>

## Location

COUNTY	<b>Harris (TX)</b>
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Certification List

### Customer Support

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**Certification: View**[Certification List](#)[Submit Change Request](#)[Add Date Alert](#)**Vendor Information**

Business Name	The Sithe Group LLC
VendorID	20018694
Primary Owner's Name	Theodore Sims
Ethnic Group	Black
Gender	Male

**Certification Information**

Certifying Agency	City of Houston
Certification Type	DBE - Disadvantaged Business Enterprise
Effective Date	12/11/2019
Renewal Date	8/31/2020

**Contact Information**

Main Company Email	rtennyson@tsg-industries.com
Main Phone	832-660-5914
Main Fax	409-232-0372
Main Company Website	<a href="http://www.tsg-industries.com">http://www.tsg-industries.com</a>

**Addresses**

Physical Address	2200 North Loop West, Suite 102 Houston, TX 77018
Mailing Address	2200 North Loop West, Suite 102 HOUSTON, TX 77018

**Business Capabilities**

Business certified for	Construction and Project Management Only												
Full Description of Capabilities/Products	Construction and Project Management Only												
Commodity Codes	<table><tbody><tr><td>NAICS 236210</td><td>Construction management, industrial building (except warehouses) (<a href="#">More</a>)</td></tr><tr><td>NAICS 236220</td><td>Project Management (<a href="#">More</a>)</td></tr><tr><td>NAICS 237110</td><td>Utility line (i.e., sewer, water), construction (<a href="#">More</a>)</td></tr><tr><td>NAICS 238210</td><td>Fiber optic cable (except transmission lines) installation (<a href="#">More</a>)</td></tr><tr><td>NAICS 238910</td><td>Land clearing (<a href="#">More</a>)</td></tr><tr><td>NAICS 238990</td><td>Paving, residential and commercial driveway and parking lot (<a href="#">More</a>)</td></tr></tbody></table>	NAICS 236210	Construction management, industrial building (except warehouses) ( <a href="#">More</a> )	NAICS 236220	Project Management ( <a href="#">More</a> )	NAICS 237110	Utility line (i.e., sewer, water), construction ( <a href="#">More</a> )	NAICS 238210	Fiber optic cable (except transmission lines) installation ( <a href="#">More</a> )	NAICS 238910	Land clearing ( <a href="#">More</a> )	NAICS 238990	Paving, residential and commercial driveway and parking lot ( <a href="#">More</a> )
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NAICS 238910	Land clearing ( <a href="#">More</a> )												
NAICS 238990	Paving, residential and commercial driveway and parking lot ( <a href="#">More</a> )												

**Owner Ethnicity and Gender**

Ethnic Group	Black
Gender	Male
DBE Ethnic Group	Black
State Ethnic Group	Black

**Location**

County

Harris (TX)

## Additional Information

Category

Construction Services & Equipment

HUB?

Certification List

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### **Customer Support**

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**FORM C - RESPONSE CHECKLIST**

Procurement No.: MB11-20

Title: New/Leased Modular Buildings and Shelters

Offeror: TSG Industries

This *FORM* is provided to help insure that all required Response elements have been completed and included, or certified as being available upon request. **Responses that do not comply with all requirements may be considered non-compliant.** Offeror's signatory must review each item below, and certify by initialing in the space to the right.

**This Response Includes:****Init.**

- |  |    |
|--|----|
| 1 An "Original" hard copy of the <b><u>COMPLETE</u></b> submission, including all required <i>FORMS</i> , plus one copy, each in a separate <b>hard-sided</b> 3-ring binder.                             | TS |
| 2 A copy of the <b><u>COMPLETE</u></b> submission, including all required <i>FORMS</i> , in <b>electronic format</b> (CD, DVD, flash drive).   | TS |
| 3 An originally signed <b>Form A</b> from all entities who are party to this submission and who should be offered a contract if this submission is successful.   | TS |
| 4 The required list of <b>References</b> .   | TS |
| 5 Details of " <b>Service Organization</b> ", including locations, hours, personnel and parts/service availability. (Applies to hard goods only.)  | TS |
| 6 Complete <b>Warranty Documentation</b> for all Products offered.   | TS |
| 7 The manufacturer's latest <b>Specification Documents</b> detailing standard features, operating characteristics, etc., for all products offered.   | TS |
| 8 <b>Forms-- A, B, C, D, E (EXCEL FORMAT) 1295, W-9, CIQ, HB89, CCI</b>  | TS |
| 9 If the <b>Non-Resident Reciprocal Bid Act</b> applies, a copy of your state statute and a determination of the status of Texas bidders/proposers in your home state. If not applicable, indicate "N/A" | TS |
| 10 If offer includes motor vehicles to be sold in Texas, copies of all current licenses as required by the Texas Motor Vehicle Commission.   | TS |

To: All Prospective Offerors Of Record  
Re: Addendum To Invitation To Submit Competitive Bids

Invitation No.: **MB11-20**

**Addendum No.: 1**

Product/Service: New/Leased Modular Building and Shelters

Responses Due: June 24, 2020 at 1:00p.m. CT; H-GAC Clock

**NOTE:** Updates have been made to listings on MB11-20 on Form D that were sent out with the original solicitation on May 14, 2020. Please replace MB11-20 Form D, with the attachment named MB11-20 Section C-Rev. 1 if you are bidding.

**NOTE:** This Addendum modifies the Invitation, and in accordance with the requirements therein it is understood that by submitting a Bid/Proposal Response thereto Offeror acknowledges receipt of this Addendum. Offerors bear sole responsibility for making themselves aware of, requesting, and insuring receipt of any Invitation or Addendum issued by H-GAC. H-GAC is not liable or responsible in any way for any Offeror's knowledge and/or receipt of the Invitation, or any Addendum which might be issued thereto.

A copy of this Addendum should be placed in the Response in accordance with the requirements stated in the Invitation.

A handwritten signature in blue ink, consisting of a large, stylized 'S' or 'Z' shape followed by a smaller, more complex flourish.



FORM D-Rev. 1- PRODUCT ITEM BASE OFFERING PRICES											
Offeror Name:	TSG Industries										
Invitation No.:	MB11-20 - New/Leased Modular Buildings and Shelters										
NOTES:	1. Remember to bid options and accessories on Form E.										
	2. On Form D, fill-in the Sales Price and applicable Lease/Purchase costs under the corresponding monthly headings.										
	3. Base Product Code Descriptions (Column B) cannot be changed or modified.										
A. TSG Industries											
Base Product Code	Description	Sales Price New	Monthly Lease Cost / Term in Months								
			6 to 12	13 to 24	25 to 36	37 to 48	49 to 60	61 plus			
A. Classroom, Educational and Administrative											
MB18HHA01	Double Classroom Modular Building w/Restrooms, 24' x 64'	\$ 73,728.00	2.26/sf	\$2.21/sf	\$2.16/sf	\$1.47/sf	\$1.47/sf	\$1.47/sf	\$1.47/sf	\$1.47/sf	\$1.47/sf
MB18HHA02	Double Classroom Modular Building w/o Restrooms, 24' x 64'	\$ 69,120.00	2.21/sf	\$2.18/sf	\$2.14/sf	\$2.11/sf	\$2.11/sf	\$2.11/sf	\$2.11/sf	\$2.11/sf	\$2.11/sf
MB18HHA03	4 - Classroom Modular Building w/Restrooms, 43'-3" x 66"	\$ 154,143.00	4.54/sf	\$4.31/sf	\$4.19/sf	\$3.97/sf	\$3.97/sf	\$3.97/sf	\$3.97/sf	\$3.97/sf	\$3.97/sf
MB18HHA04	4 - Classroom Modular Building w/o Restrooms, 43'-3" x 66'	\$ 145,579.00	4.25/sf	\$4.21/sf	\$4.17/sf	\$3.95/sf	\$3.95/sf	\$3.95/sf	\$3.95/sf	\$3.95/sf	\$3.95/sf
MB18HHA05	6 - Classroom Modular Building Wing w/Restrooms, 96' 3" x 64'	\$ 234,080.00	\$2.68/sf	\$2.63/sf	\$2.58/sf	\$2.54/sf	\$2.54/sf	\$2.54/sf	\$2.54/sf	\$2.54/sf	\$2.54/sf
MB18HHA06	Science Lab	\$ 75,360.00	\$4.05/sf	\$3.93/sf	\$3.86/sf	\$3.79/sf	\$3.79/sf	\$3.79/sf	\$3.79/sf	\$3.79/sf	\$3.79/sf
MB18HHA07	Cafeteria	\$ 360,000.00	\$3.15/sf	\$2.85/sf	\$2.29/sf	\$2.26/sf	\$2.26/sf	\$2.26/sf	\$2.26/sf	\$2.26/sf	\$2.26/sf
MB18HHA08	Administration office	\$ 70,656.00	\$3.85/sf	\$3.05/sf	\$3.01/sf	\$2.95/sf	\$2.95/sf	\$2.95/sf	\$2.95/sf	\$2.95/sf	\$2.95/sf
MB18HHA09	10' x 40' Press Box (steel)	\$ 43,700.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MB18HHA10	12' x 40' Press Box (steel)	\$ 55,200.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MB18HHA11	Guardbooth	\$ 14,430.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B. Offices											
MB20AB01	12' x 56' Std. Sales Office, w (1) Restroom	\$ 66,360.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MB20AB02	12' x 44' Std. Sales Office, w (1) Restroom	\$ 52,140.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MB20AB03	8' x 20' Std. Mobile Office w/o Restroom	\$ 15,800.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MB20AB04	8' x 32' Std. Mobile Office w/o Restroom	\$ 25,280.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



<b>MB20AB05</b>	12' x 20' Std. Mobile Office w/o Restroom	\$ 23,700.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB06</b>	12' x 32' Std. Mobile Office w/o Restroom	\$ 37,920.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB07</b>	12' x 32' Std. Mobile Office w (1) Restroom (1) Office	\$ 43,607.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB08</b>	12' x 44' Std. Mobile Office w/o Restroom	\$ 47,536.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB09</b>	12' x 44' Std. Mobile Office w (1) Restroom (2) Office	\$ 69,223.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB10</b>	12' x 56' Std. Mobile Office w/o Restroom	\$ 52,350.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB11</b>	12' x 56' Std. Mobile Office w (1) Restroom (2) Office	\$ 66,350.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB12</b>	12' x 60' Std. Mobile Office w/o Restroom	\$ 48,530.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB13</b>	12' x 60' Std. Mobile Office w (1) Restroom (2) Office	\$ 72,340.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB14</b>	24' x 64' w/ (4) Offices (0) Restrooms	\$ 92,150.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB15</b>	24' x 64' w/ (4) Offices (2) Restrooms	\$ 153,238.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB16</b>	24' x 64' Open	\$ 42,160.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB17</b>	36' x 56' Open w/ (6) Offices (2) Restrooms	\$ 228,937.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB18</b>	48' x 56' Open w/ (8) Offices (2) Restrooms	\$ 305,250.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB19</b>	60' x 56' Open w/ (10) Offices (2) Restrooms	\$ 381,570.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB20</b>	12' x 56' Additional Center Section w/ (2) Offices	\$ 66,360.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB21</b>	12' x 12' Additional (1) Office Nominal	\$ 14,221.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AB22</b>	Add (1) ADA-compliant Single Occupant Restroom	\$ 45,375.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**D. Restrooms and Specialty**

<b>MB20AD01</b>	12' x 34' Multi-Restrooms Only	\$ 66,096.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AD02</b>	12' x 44' Multi-Restrooms Only	\$ 85,640.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AD03</b>	24' x 60' Locker / Shower Building (steel)	\$ 139,172.00	N/A	\$2.55/sf	\$2.55/sf	\$2.45/sf	\$2.27/sf	\$2.27/sf	\$2.27/sf
<b>MB20AD04</b>	Dormitories 4-10 (up to 1,000 sf)	\$ 89,088.00	\$4.15/sf	\$3.98/sf	\$3.98/sf	\$3.98/sf	\$3.25/sf	\$3.25/sf	\$3.25/sf
<b>MB20AD05</b>	Kitchen 100 Person (10,000 sf)	\$ 90,000.00	\$3.15/sf	\$2.85/sf	\$2.29/sf	\$2.26/sf	\$2.26/sf	\$2.26/sf	\$2.26/sf
<b>MB20AD06</b>	Ticket Booth (Steel)	\$ 29,200.00	\$6.08/sf	\$6.08/sf	\$6.08/sf	\$5.75/sf	\$5.75/sf	\$5.75/sf	\$5.75/sf
<b>MB20AD07</b>	8'6" x 20' Cleanroom (steel)	\$ 46,830.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A



<b>MB20AD08</b>	Mech/Elec. Room		\$	68,240.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AD09</b>	Battery Storage (8' x 40')		\$	71,840.00	\$22.50/sf	\$14.95/sf	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AD10</b>	Dental Lab		\$	85,920.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AD11</b>	Hearing Lab		\$	67,329.00	\$5.35/sf	\$5.35/sf	\$5.05/sf	\$5.05/sf	\$5.05/sf	\$5.05/sf	\$4.75/sf	\$4.75/sf	\$4.75/sf
<b>E. Stairs, Ramps, Service Rates and all other Accessories</b>													
<b>MB20AE01</b>	Ramp & Landing Skirting, Metal (cost per linear foot)		\$	250.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE02</b>	Ramp & Landing Skirting, Wood (cost per linear foot)		\$	26.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE03</b>	5' x 5 1/2' Landing w/ up to 30' ADA ramp (alum.)		\$	312.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE04</b>	15' x 5 1/2' Landing w/ up to 30' ADA ramp (alum.)			\$143.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE05</b>	Add 4' wide steps to landing, 21" (alum.)			\$75/ea	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE06</b>	Add 4' wide steps to landing, 28" (alum.)			\$78/ea	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE07</b>	Additional Ramp & Landing (inc. rail) cost per sq. ft.			\$65/sf	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE08</b>	5' x 5' Landing w/ up to 30' ADA ramp (wood)			\$45/sf	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE09</b>	15' x 10' Landing w/ up to 30' ADA ramp (wood)			\$45/sf	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE10</b>	Add Ramp Landing (cost per sq. ft.) (wood)			\$45/sf	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE11</b>	Additional Guardrailing (cost per sq. ft.) (wood)			\$27.50/sf	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE12</b>	Prefabricated metal steps, 3-risers / each			\$1,600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE13</b>	Prefabricated metal steps, 4-risers / each			\$750/ea	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE14</b>	Step assembly or disassembly cost			\$1,250	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE15</b>	Towbar Removal or Installed, Each			\$650/ea	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE16</b>	Axles Removed or Installed, Each			\$2,500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE17</b>	Tires Removed or Installed, Each			\$2,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>MB20AE18</b>	Std. Ser. Rate Per Hour - Except: Overtime & Holidays			\$2,400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A





<b>FORM I - MARKETING</b>	<b>Invitation No.: MB11-20</b>
<b>Offeror Name:</b>	TSG Industries
Bidder shall provide a written narrative explaining in some detail activities that will be undertaken to actively market and promote an H-GAC contract to local government and non-profit End Users.	
<p>Our team now incorporates contact directory into lead generation software. Our goal is to better identify and follow up on respective clients to make our services easily available. TSG Industries will continue growing our solutions framework to better serve clients comprehensive service needs. Building and contributing to more platforms that focus on real-time solutions is a cornerstone to our business strategy.</p>	

# CONTRACTOR CONTACT INFORMATION

## MB11-20 New/Leased Modular Buildings and Shelters

**ATTENTION Houston-Galveston Area Council (H-GAC) Contractor:** The following information is needed to communicate with your company concerning contract matters which may arise. To expedite the process, we ask that you provide the information requested below. During the term of this contract, notify H-GAC in writing of any changes to this information by emailing updates to: [cpcontractfax@h-gac.com](mailto:cpcontractfax@h-gac.com)

### Section I

<b>CONTRACTOR:</b> <u>TSG Industries</u>	<b>CONTRACT #:</b> _____
<b>Purchase Orders:</b> _____	<b>Invoicing:</b> _____
<b>Contact Name 1:</b> <u>Ted Sims</u> <u>2200 North Loop West, Ste. 102</u>	<b>Contact Name 2:</b> <u>Rosa Tennyson</u> <u>2200 North Loop West, Ste. 102</u>
<b>Address:</b> _____ <b>Houston</b> <u>Texas</u> <u>77018</u>	<b>Address:</b> _____ <b>Houston</b> <u>Texas</u> <u>77018</u>
<b>City</b> <u>State</u> <u>Zip Code</u>	<b>City</b> <u>State</u> <u>Zip Code</u>
<b>Telephone No.:</b> <u>832-660-5914</u>	<b>Telephone No.:</b> <u>1-888-586-2703</u>
<b>Fax No.:</b> _____	<b>Fax No.:</b> _____
<b>Email Address:</b> <u>tsims@tsg-industries.com</u>	<b>Email Address:</b> <u>rtennyson@tsg-industries.com</u>

### Section II

#### CONTRACT INFORMATION:

*Indicate the person (s) authorized to: sign contracts, request contract price increases, or other contract-related documents. A copy of your corporate resolution may be acceptable for Section II.*

<b>Printed Name of Signatory:</b> <u>Theodore Sims</u>	<b>Printed Name of Signatory:</b> _____
<b>Corporate Title:</b> <u>Managing Partner</u>	<b>Corporate Title:</b> _____
<b>Tel. No.:</b> <u>832-660-5914</u>	<b>Tel. No.:</b> _____
<b>Fax No.:</b> _____	<b>Fax No.:</b> _____
<b>Email:</b> <u>tsims@tsg-industries.com</u>	<b>Email:</b> _____

### Section III

#### SALES CONTACT (Person who end users will contact for product information and pricing quotes)

<b>Contact Name:</b> <u>Ted Sims</u>	<b>Title:</b> <u>Managing Partner</u>
<b>Address:</b> <u>2200 North Loop West, Suite 102</u> <u>Street</u>	<b>Houston</b> <u>Texas</u> <u>77018</u> <b>City</b> <u>State</u> <u>Zip</u>
<b>Telephone No.:</b> <u>1-888-586-2703</u>	<b>Fax No.:</b> _____
<b>Mobile No. (optional)</b> <u>(832) 660-5914</u>	<b>Email:</b> <u>tsims@tsg-industries.com</u>



# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

## OFFICE USE ONLY CERTIFICATION OF FILING

Certificate Number:  
2020-636018

Date Filed:  
06/24/2020

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

TSG Industries  
Houston, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Houston Galveston Area Council of Governments

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

MB11-20  
NEW/LEASED MODULAR BUILDINGS AND SHELTERS

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO Interested Party.



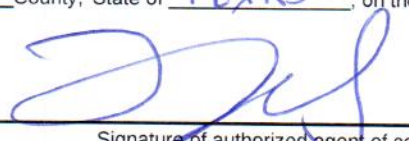
### 6 UNSWORN DECLARATION

My name is THEODORE SIMS, and my date of birth is 03/03/1981.

My address is 7040 ROOK BLVD. HOUSTON TX 77087 U.S.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in HARRIS County, State of TEXAS, on the 24 day of JUNE, 20 20.  
(month) (year)

  
Signature of authorized agent of contracting business entity  
(Declarant)



# Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

Print or type  
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Theodore Sims</b>	
2 Business name/disregarded entity name, if different from above <b>TSG Industries</b>	
3 Check appropriate box for federal tax classification; check only <b>one</b> of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Other (see instructions) ▶ <b>Note.</b> For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.	
4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>	
5 Address (number, street, and apt. or suite no.) <b>2200 North Loop West, Suite 102</b>	Requester's name and address (optional)
6 City, state, and ZIP code <b>Houston, Texas 77018</b>	
7 List account number(s) here (optional)	

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-					
or								
Employer identification number								
4	7	-	1	1	3	5	8	3 8

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign  
Here

Signature of  
U.S. person ▶

Date ▶

6-24-20

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



# CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

## OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

N/A

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☒ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☒ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Theodore Sims Digitally signed by Theodore Sims  
Date: 2020.06.24 03:10:53 -05'00'  
Signature of vendor doing business with the governmental entity

6-24-20  
Date

## House Bill 89 Verification Form

### Prohibition on Contracts with Companies Boycotting Israel

The 85<sup>th</sup> Texas Legislature approved new legislation, effective Sept. 1, 2017, which amends Texas Local Government Code Section 1. Subtitle F, Title 10, Government Code by adding Chapter 2270 which states that a governmental entity may not enter into a contract with a company for goods or services unless the contract contains a written verification from the company that it:

- 1) does not boycott Israel; and
- 2) will not boycott Israel during the term of the contract

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and

2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

---

I, (authorized official) THEODORE SIMS, do hereby depose and verify the truthfulness and accuracy of the contents of the statements submitted on this certification under the provisions of Subtitle F, Title 10, Government Code Chapter 2270 and that the company named below:

- 1) does not boycott Israel currently; and
- 2) will not boycott Israel during the term of the contract; and
- 3) is not currently listed on the State of Texas Comptroller's Companies that Boycott Israel List located at <https://comptroller.texas.gov/purchasing/publications/divestment.php>

TSG INDUSTRIES

Company Name

JHL S.

Signature of Authorized Official

MANAGING PARTNER

Title of Authorized Official

Date







## **BUILDING CAPITAL SOLUTIONS**

### **GENERAL ORGANIZATION**

The Sithe Group, LLC dba TSG Industries is a HUB minority-owned, construction service firm that manages the successful execution of modular building projects including Construction Management, Project Management, Maintenance and Lease Programs. The leaders of TSG, LLC have helped federal, public and private institutions build solutions across the nation. Our scope of services for NAICS CODE: 236220 include commercial and institutional construction services. Our people have an average of 30 years in experience in architecture, construction management, engineering, and facility capital renewal.

### **CERTIFICATIONS**

- State of Texas Historically Underutilized Business (HUB) Program - Certification# RG019054
- Disadvantage Business Enterprise - Certification# 14-08-12385
- Small Business Enterprise – Certification# 14-8-12385S
- Minority Business Enterprise – Certification# 14-8-12385
- Texas Department of Insurance – Inspector – License# 1822781
- Port of Houston Authority, S/MBE
- South Central Texas Regional Certification Agency – S/M/E/AA/Business Enterprise

### **AREA OF EXPERTISE**

- Modular & Prefabricated Building Construction
- Construction Manager Agent
- Job Order Contracting
- Green Building Restoration
- Project Management- Owners Representative



## **BUILDING CAPITAL SOLUTIONS**

**2200 North Loop West, Ste. 102**

**Houston, TX 77018**

**Phone (713)218-0211 Fax (281)605-5037**

**[www.tsg-industries.com](http://www.tsg-industries.com)**





## BUILDING CAPITAL SOLUTIONS

### REGISTERED COOPERATIVES



- BuyBoard: General Restoration Services #422-13
- BuyBoard: IDIQ Job Order Contracting (JOC) #464-14
- Choice Partners: IDIQ Job Order Contracting (JOC) #15/041JN-15
- Region 5 ESC: IDIQ Job Order Contracting (JOC) #20150803
- Good Buy Cooperative: #18-18 7N000 Facility Services Building/Equipment Maintenance/Repair
- Good Buy Cooperative: 18-19 9B000 (Buildings/Classrooms/Canopies: Modular/Portable/Metal)
- Allied States Cooperative: 18-7307 (Modular Buildings & Related Services)
- Houston Galveston Area Council Buy Cooperative: MB11-18 New/Leased Modular Buildings

## BUSINESS ORGANIZATION

State of Texas: Limited Liability Company – October 4, 2007

Corporate Address:

2200 North Loop West, Ste. 102  
Houston, Texas 77018

FEDERAL TAX ID NUMBER:

47-1135838

D-U-N-S NUMBER:

078679713

NAICS CODE:

236220, 332311

SIC CODE:

87420402

CAGE NUMBER:

6TTS6

Office: (713) 218-0211  
Fax: (281) 605-5037  
Email: [tsims@tsg-industries.com](mailto:tsims@tsg-industries.com)  
Website: [www.tsg-industries.com](http://www.tsg-industries.com)



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## **BUILDING CAPITAL SOLUTIONS**

### **PRINCIPAL CONTACTS**

Theodore "Ted" Sims  
Phone: (832) 660-5914

[tsims@tsg-industries.com](mailto:tsims@tsg-industries.com)

Managing Principal

Bob Menefee  
Phone: (713) 254-4376

[bmeneffee@tsg-industries.com](mailto:bmeneffee@tsg-industries.com) Senior VP



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## BUILDING CAPITAL SOLUTIONS

### ***CODES***

---

#### **NIGP Codes:**

155-00 Buildings and Structures: Fabricated and Prefabricated  
909-11 Airport Maintenance and Repair  
909-17 Athletic Facility Maintenance and Repair  
909-22 Building Construction, Non-Residential  
909-24 Building Construction, Commercial and Institutional  
909-57 Land Development and Sub-Division Services  
909-63 Maintenance and Repair, Commercial and Institutional Building  
910-52 Maintenance and Repair Services, Building  
910-63 Public Utilities: Water, Sewer and Gas Maintenance Repair  
910-66 Roofing, Gutters and Downspouts Maintenance Repair  
912-16 Boring, Drilling, Testing and Soundings  
913-36 Construction, Parking Lot and Alley  
913-45 Construction, Sewer and Storm Drain  
913-47 Construction, Sidewalk and Driveway  
988-63 Park Area Construction/Renovation

#### **NAICS Codes:**

236220 Commercial and Institutional Building Construction  
237110 Water and Sewer Line and Related Structures  
238210 Electrical Contractors and Other Wiring Installation Contractors  
238220 Plumbing, Heating, and Air-Conditioning Contractors  
238910 Site Preparation Contractors  
332311 Prefabricated Metal Building and Component Manufacturing

#### **PSC Codes:**

5410 Prefabricated and Portable Buildings  
Y100 Construction of Structures and Facilities  
Z200 Repair or Alteration of Structures and Facilities

#### **UNSPSC Codes:**

30200000 Prefabricated structures  
72120000 Nonresidential Building Construction Services  
72151203 HVAC Solar Energy Construction Service  
72153700 Parking Maintenance and Repair Service  
72141129 Park and Garden Construction and or Remodeling Service  
72141400 Detention Facility Construction and Repair Services  
72153100 Athletic and Recreational Facility Construction Services



## BUILDING CAPITAL SOLUTIONS

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**Houston, TX 77018**

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## NORTH EAST WATER PURIFICATION PLANT EXPANSION

**Construction Manager  
(Agent):**

**Sophia Chang CPA**

**Location:**  
Humble, Texas

**Project Duration:**  
March 2016 -  
May 2017

**Contract Type:**  
Professional Services

**Services Provided:**  
Project Controls Services

**Value:**  
\$687,000

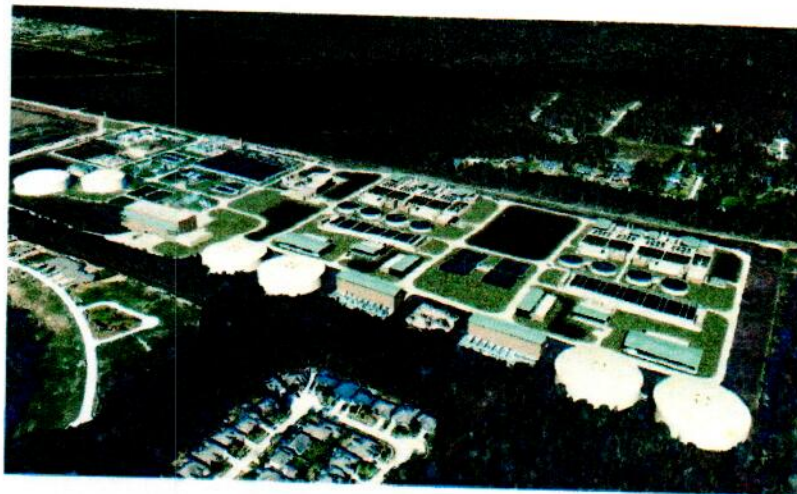
**Client Contact:**  
Ed Hamb  
Project Director  
[ehamb@pe-engrs.com](mailto:ehamb@pe-engrs.com)

500 S. Ewing Avenue,  
Suite E, St. Louis, MO  
63103  
T (713)-203-4513



### *Project Description*

We provided design-build services for the City of Houston, North East Water Purification Plant Expansion. The project consists of two design-build phases to expand the plant's capacity from 80 million gallons per day (MGD) to 400 MGD by 2024. The expansion project will help the City and water authorities meet water demands and fulfill requirements by the Harris-Galveston and Fort Bend Subsidence Districts that restrict groundwater usage. Construction on the \$1.35 billion project is expected to begin in the fall of 2017. Four partner agencies involved in the project will share portions of the cost and they include: North Harris County Regional Water Authority, Central Harris County Regional Water Authority, West Harris County Regional Water Authority and North Fort Bend Water Authority.



### **Key Projects:**

1. Construction of treatment facilities with a combined maximum water capacity of 320 MGD.
2. Construct electrical supply facilities and a new electrical substation.
3. Build a high service pump station and ground storage tanks.





TSG Industries  
2200 North Loop West, Suite 102  
Houston, Texas 77018  
Office: (713) 218-0211  
Fax: (281) 605-5037  
[www.tsg-industries.com](http://www.tsg-industries.com)

## THE LAWSON ACADEMY



**PM/CM Function:**  
Ted Sims, LEED AP

**Client:**  
William A. Lawson Institute  
Peace & Prosperity

**Location:**  
5220 Scott Street,  
Houston, Texas 77004

**Project Duration:**  
April 2016- August 2017

**Contract Type:**  
Lump Sum

**Services Provided:**

- Owner Representative
- **Project Value:**  
\$11,250,000
- **Owners Representative:**
- Curtis Dumas, P.E.
- T: (832) 483-8766

### Project Description



### THE LAWSON ACADEMY

The design-build project consists of new development of an existing 5.4-acre site recently obtained through acquisition. The design currently proposes 16 classrooms within 32,000 square feet. The common areas consists of administration, cafeteria and outdoor recreation space. The school will provide education for approximately 300 students in the middle school grades. Special provision pending for science laboratory, math laboratory, technology center and fine arts center. The total project budget is \$9,335,296.

**Notice to Proceed:** April 21, 2016; **Completion:** November 31, 2017

- 1.) Construction Project Manager
- 2.) Contract Administration
- 3.) Bidding & Contracts
- 4.) Project Schedule Analysis
- 5.) Construction Cost Analyst



TSG Industries  
2200 North Loop West, Suite 102  
Houston, Texas 77018  
Office: (713) 218-0211  
Fax: (281) 605-5037  
[www.tsg-industries.com](http://www.tsg-industries.com)

## UNITED STATES CORPS OF ENGINEERS

**Design-Build:**  
Ted Sims, LEED AP

**Location:**  
Orange, Texas

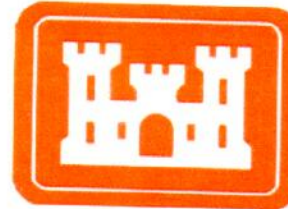
**Project Duration:**  
November 2017-July  
2018

**Contract Type:**  
Lump Sum

**Services Provided:**  
Design-Build Modular  
Campus; Hurricane  
Harvey Recovery

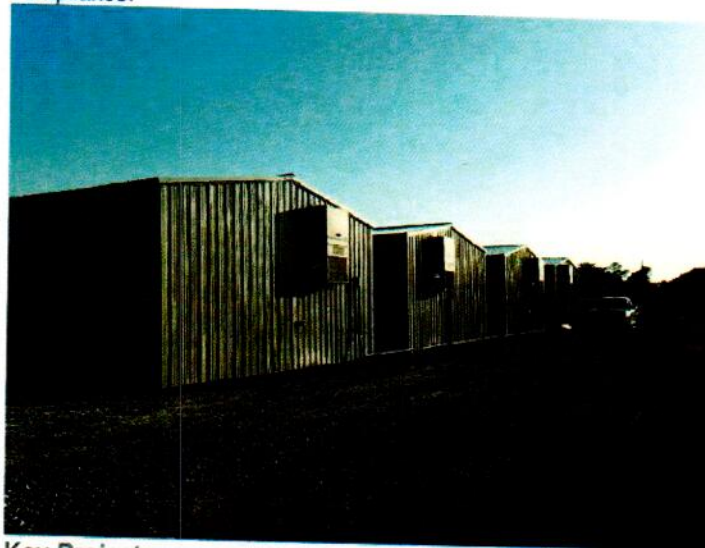
**Value:**  
\$2,550,000

**Client Contact:**  
Shamekia Chapman  
Deputy of Small Business  
[Shamekia.M.Chapman@usace.army.mil](mailto:Shamekia.M.Chapman@usace.army.mil)  
2000 Fort Point Road  
Galveston TX 77550-1229  
T: (409)-766-3006



### *Project Description*

As a result of Hurricane Harvey in August 2018, we are actively involved in a partnership with the United States Army Corps' of Engineers. The design-build project develops 15,580 square feet of new modular buildings at Orangefield Elementary and High School. The new additions consist of (16) classrooms, (1) restroom, (1) office and (1) theater buildings with associated site development. The scope of work included earth work, concrete aggregate, water utilities, electrical, carpentry, modular buildings, elevated decks/canopies, and fire code compliance.



### **Key Projects:**

1. New Elementary Campus, of (16) classrooms, (1) restroom, (1) office buildings.
2. New High School Campus, (1) theater buildings.





TSG Industries  
2200 North Loop West, Suite 102  
Houston, Texas 77018  
Office: (713) 218-0211  
Fax: (281) 605-5037  
[www.tsg-industries.com](http://www.tsg-industries.com)

## BASTROP COUNTY ANIMAL HOSPITAL

**Construction Manager:**

Ted Sims, LEED AP

**Location:**

Bastrop County, Texas

**Project Duration:**

November 2018-  
January 2019

**Contract Type:**

Job Order Contract

**Services Provided:**

Construction services

**Value:**

\$82,000

**Client Contact:**

Shawn Harris

Facility Director

[shawn.harris@co.bastrop.tx.us](mailto:shawn.harris@co.bastrop.tx.us)

804 Pecan Street

Bastrop, TX 78602

T (512) 581-1847

**Project Description**

We provided flood repair construction services for Bastrop County, Animal Hospital Renovation. The project location was completed in Bastrop, Texas. The intent of work was to provide temporary modular operations during the construction phase. The scope included select demolition, high traffic finishes shelter common areas including central station, lobby, restrooms, breakroom, kennel room, operating room, main corridors, receiving room, and wash room. The work package included new high traffic flooring, wall finishes, doors, plumbing fixtures, millwork and plumbing.





TSG Industries  
2200 North Loop West, Suite 102  
Houston, Texas 77018  
Office: (713) 218-0211  
Fax: (281) 605-5037  
[www.tsg-industries.com](http://www.tsg-industries.com)

## THE RHODES SCHOOL

**Construction Manager:**  
Ted Sims, LEED AP

**Location:**  
Houston, Texas

**Project Duration:**  
April 2014-Ongoing

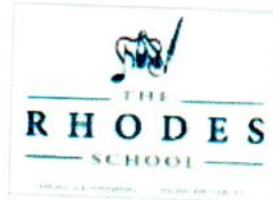
**Contract Type:**  
Lump Sum

**Services Provided:**  
Construction  
Management Agent

**Value:**  
\$250,000

**Client Contact:**  
Brandon Miller  
Director of Facilities  
[bmiller@rhodesschool.org](mailto:bmiller@rhodesschool.org)

12818 Tidwell Rd.  
Houston, TX 77004  
T: 281-608-9021



### *Project Description*

We are actively involved in construction project management services for 38,640 square feet and (17) acres at three (3) campuses of The Rhodes School. We used **AutoCAD**, **Microsoft Project** and **Microsoft Office** to help design and construction contract administration. The scopes of services include design and construction of new site utilities for a 10-acre site. The site will accommodate 19 buildings. The scope of work include earth work, concrete, utilities, electrical, carpentry, modular buildings, canopies, owner furnished equipment and fire code compliance. The campus upgrades include administrative offices, easements, parking lots, sidewalks, cafeteria, classrooms, libraries, storage rooms, and recreational area. The recycle waste record indicated 500 lbs. of wood and 1,000 lbs. of non-ferrous metals recovered from the project.

### *Key Projects:*

- 1.) New Uvalde Campus, Pre-Construction Services – Program and Design Earthwork, Storm Drainage Water Detention Structures, Domestic Water, Sanitary Sewer, Easements, Fire Code Compliance, Right-Of-Way, Parking and Paving Plans.
- 2.) New Uvalde Campus, Construction Management Services – Direct and Manage Construction of Earthwork, Site Utilities, Earthwork, C-I-P Concrete, Site Improvements, Parking and Paving Plans.
- 3.) Robert E. Lee Campus, Pre-Construction Services – Program and Design Earthwork, Storm Drainage Water Detention Structures, Parking and Paving, Fire Code Compliance Project.
- 4.) Robert E. Lee Campus, Construction Management Services – Direct and Manage Construction of Earthwork, Storm Drainage Water Detention Structures, Parking and Paving, Fire Code Compliance Project.



## REFERENCES

### Reference #1

Organization Name: The Lawson Academy

Address: 5220 Scott Street, Ste. 108, Houston, Texas 77004

Contact Info.: Jones Mays Title: Technology Director

Phone Number: (901)-277-4652 Email: jonesmays@gmail.com

Services provided: Construction Manager Agent for a 32,000 square foot, new middle school campus and SPARK Park. We are in construction phase of the design-build project.

### Reference #2

Organization Name: Texas Southern University – Public Affairs Building

Address: 5200 Blodgett Street, Houston, Texas 77004

Contact Info.: Dan Williams Title: Project Manager

Phone Number: (832)-519-6015 Email: williamsdr@tsu.edu

Services provided: The project includes renovation of 2-restrooms and lobby wall and flooring tile repairs, drywall wall and ceiling repairs, toilet partition repairs, interior lighting repairs and trophy casework repairs on the main entrance corridor.

### Reference #3

Organization Name: Harris Health System, Ben Taub Hospital

Address: 1504 Taub Loop, Houston, Texas 77030

Contact Info.: Jason Kunnacherry Title: Administrative Project Manager

Phone Number: (832)-922-2222 Email: Jason.Kunnacherry@harrishealth.org

Services provided: Tower 1, 1<sup>st</sup> floor administrative corridor renovation including new flooring, wall repairs and painting, new acoustical ceiling tile system, door repairs and infection control measures. The project was on an active unit and work performed on fast track.

---

**References Continued'**

Reference #4

Organization Name: Harmony Science Academy

Address: 9431 West Sam Houston Parkway, Houston, Texas 77099

Contact Info.: Mehmed Milanovic Title: Project Manager

Phone Number: (713)-825-8911 Email: mmilanovic@harmonytx.org

Services provided: The project included complete build-out of 27,000 square feet school building in 6 weeks due to flood weather event.

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TSG Modular Building System Applications

**Special Item Number: 361**

Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and Disaster/Emergency Response

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**BUILDING CAPITAL SOLUTIONS**

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Integrity \* Collaboration \* Excellence \* Dedication \* Innovation

**Modular Building System Catalog**

**TSG Industries, LLC**

**Effective January 1, 2019**

**FSC Classes:**

**5410**

Prefabricated and Portable Buildings

**5411**

Rigid Wall Shelters

**5450**

Miscellaneous Prefabricated Structures

**Special Item Number:**

SIN 361 10B

SIN 361 10E

SIN 361 10G

SIN 361 30-32



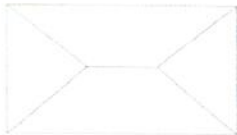
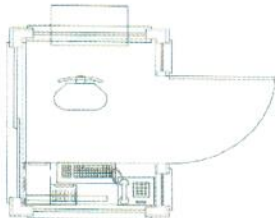
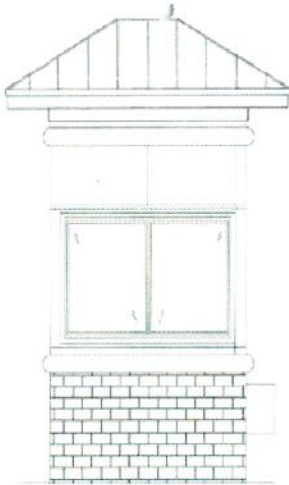
## TSG Modular Building System Applications

### Special Item Number: 361

Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and Disaster/Emergency Response

Part Number: 122665 TSU Price 1: \$357.14/ SF (Full)  
Design-Build)

Product Name: Prefabricated Modular Building Lease Option Price: N/A



#### **Metals**

1. 4'x6' checker plate floor, 4 sheets (Galv.)
2. 2"x2"x8' .083Ga. angle. 4 pieces
3. 3. 4'x8' 16Ga. Steel plate. 18 sheets
4. 2"x2"x8' .083Ga. tube. 128 pieces
5. 2"x2"x12' checker angle, .083Ga. stainless (threshold)
6. 2"x2"x8' Angle: light gage for window water dams (sheet metal)
7. SS brick ties

#### **Glass**

1. 4 (Four) pieces @ 3'-8" x 3'-6". Front
2. 8 (Eight) pieces @ 2'-9" x 3'-6". Left
3. 4 (Four) pieces @ 3'-8" x 3'-6". Rear
4. 8 (Eight) pieces @ 1'-3" x 3'-6". Right
5. 4 (Four) pieces @ 2'-2" x 2'-11". Right (Doors)
6. 1/2" Channel, 1@ 29', 2@ 25', 3@ 29', 4@ 21'=(105')
7. Door Slider

#### **Doors, Frames, & Hardware**

1. TBD by Owner

#### **Exterior Walls**

1. 4'x8'x3/4" (6) Treated Sheets
2. 4'x8' Sheet Metal

#### **Roofing**

1. 200SF of peel & Stick
2. 200 sf of standing seam

#### **Carpentry**

1. Frame roof deck
2. Frame Facia
3. Frame Ceiling/Soffit (5/8") Ext Ply





## TSG Modular Building System Applications

### **Special Item Number: 361**

Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and Disaster/Emergency Response



#### **Miscellaneous Adds:**

1. Demolition of Existing
2. Set new units and Anchor
3. New Electrical Service
4. New Water Service
5. Security Systems



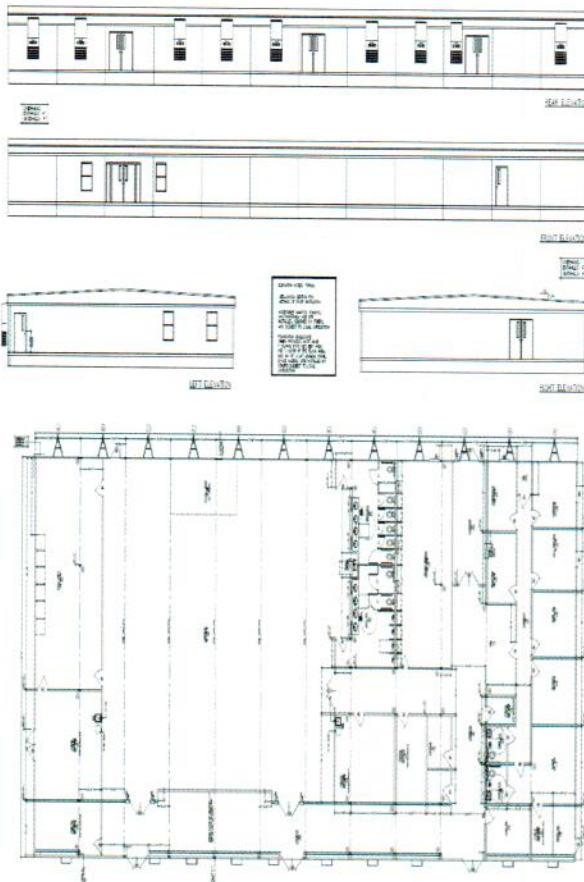
## TSG Modular Building System Applications

### **Special Item Number: 361**

Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and Disaster/Emergency Response

Part Number:	122633 Lawson Academy	Price 1:	\$68.10/ SF (Full Design-Build)
		Price 2:	\$58.03/SF (Standard)

Product Name:	Prefabricated Modular Building	Lease Option Price:	N/A
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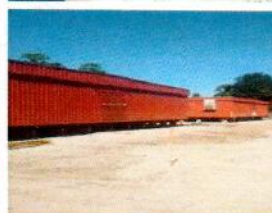
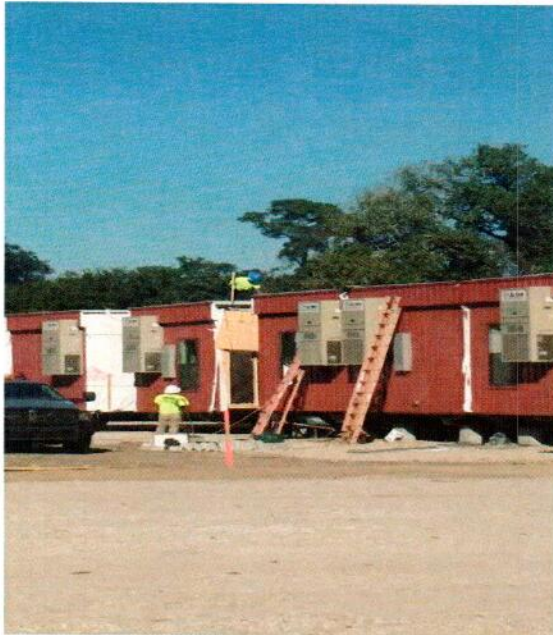
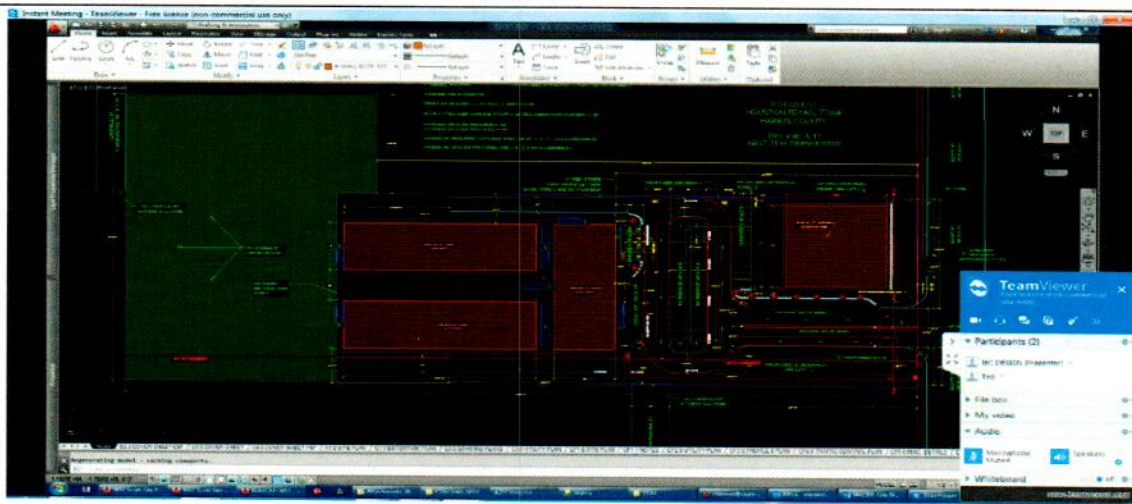
The Lawson Academy has developed a 36,632 sq. ft. middle school which will be comprised of 20 classrooms, 2 science laboratories, administrative offices and class prep space, athletic and recreational spaces.

The campus is comprised in a U-shaped 3 building configuration that total 36,632 square feet. The building configuration consists of a main administrative and assembly space building with two identical classroom buildings aligned at both ends. The administrative building includes an **"Hall of Achievement"**, administrative, nurse, conference, cafeteria and support space. The classroom buildings include a boy's and girl's wing. Each wing includes classrooms, computer lab, science lab, social studies, physical education, intervention, tutoring, arts, music and administrative support space. The wood frame superstructures are set on a combination perimeter CMU and blocking system. The exterior walls are painted insulated R-panel metal exterior walls. The roofing is a black EPDM (synthetic rubber) roof covering. The exterior windows are double pane, Low-E windows for energy efficiency. The exterior doors are commercial grade metal with optimum access control for child safety. The exterior treated wood walkways and canopies are handicap accessible

and have adequate fire separation. The building and site has 19 LED efficient exterior and site lights combined including eleven (11) pole lights and (8) wall mounted lighting packages.



TSG Modular Building System Applications  
**Special Item Number: 361**  
Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and  
Disaster/Emergency Response





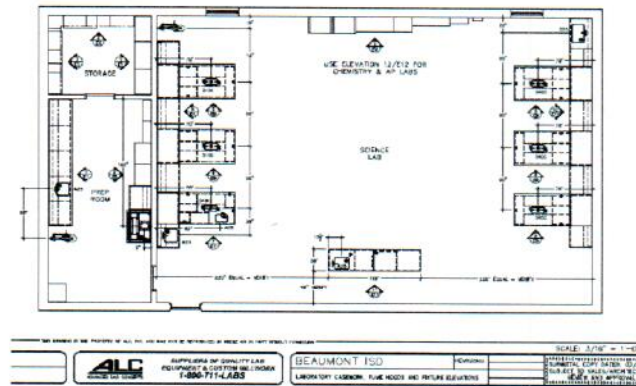
## TSG Modular Building System Applications

### Special Item Number: 361

Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and Disaster/Emergency Response

Part Number: 121765 Beaumont ISD Price 1: \$196.73/ SF (Full Design-Build)  
Price 2: \$170/SF (Standard)

Product Name: Prefabricated Modular Building Lease Option Price: N/A



Additions: Homer Drive Elementary School added pre-cast concrete classrooms on the existing campus. The basis for design was predicated on pre-fabricated modular units. The ten additional regular classrooms consisted of approximately 800 sq.ft each., each with necessary access and ancillary space. All modules were designed and built to suit the specific needs of the BISD. 47,621 sf



Marshall Middle School added pre-cast concrete additional classrooms on the existing campus. Two types of classrooms were added: three science classrooms, consisting of 1,200 square feet plus ancillary space and seven regular classrooms consisting of approximately 800 square feet each with necessary access and ancillary space. Buildings of different sizes were provided and adapted to the classroom and science room spaces.; one design can have multiple uses. 11,058 sf



West Brook High School will add fourteen new pre-cast concrete classrooms to the twenty-six classrooms constructed during the first phase of this project, totaling thirty-four new classrooms and six science labs. 11,058 sf





TSG Modular Building System Applications  
**Special Item Number: 361**  
Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and  
Disaster/Emergency Response

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Federal Supply Schedule 056 – BUILDINGS AND BUILDING MATERIAL SERVICES AND SUPPLIES

**CONTRACTOR INFORMATION:**

**Sales**

**Name:** TSG Industries, LLC  
**Address:** 2200 North Loop West, Suite 102  
Houston, Texas 77054  
**Telephone:** 713-218-0211  
**Email:** [tsg-industries.com](mailto:tsg-industries.com)  
**Website:** [www.tsg-industries.com](http://www.tsg-industries.com)  
**Business Type:** Certified Small Disadvantage Business

**Contract Administrator**

**Ted Sims, LEED AP**  
**Mobile:** 832-660-5914  
**E-mail:** [tsims@tsg-industries.com](mailto:tsims@tsg-industries.com)

**CUSTOMER NOTES:**

1. All building calculations include a 5 foot perimeter around each unit for utility service cut-off.
2. Geographic Coverage: Alabama, Oklahoma, New Mexico, Texas, Louisiana
3. Points of Production: Houston, Texas, Willacoochee, Georgia.
4. Basic Discount: 1.75% discount applied upon typical order. Additional 1% discount to pay within 15 days.
5. Time of delivery: 180 days after ARO. Based on type and quantity of order.
6. Expedited delivery: 150 days after ARO with coordination.
7. Urgent requirements: Agencies can contact the contractors rep to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.
8. FOB Point: Origin-prepay and add.
9. Ordering Address:  
TSG Industries LLC.  
2200 North Loop West, Suite 102  
Houston, Texas 77054
10. Ordering procedures: Phone, fax, email.
11. Payment Address:  
TSG Industries LLC.  
2200 North Loop West, Suite 102  
Houston, Texas 77054
12. Warranty provisions: Standard commercial warranty. No returns
13. Export packaging charges: N/A
14. System Award Management Registration Database: Yes
15. Data Universal Number System Number: 078679713

TSG Modular Building System Applications  
**Special Item Number: 361**  
Pre-Engineered and Prefabricated Buildings and Structures for State Institutions, Military and  
Disaster/Emergency Response

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**ALTERNATE PRICING SHEET**

SIN	Service	Description	Unit of Measure	Price
361-32	1	Dry-stack CMU Piers	Each	\$ 50.25
361-32	2	Anchors	Each	\$ 55.28
361-32	3	Deck Installation, Galvaloom	SF	\$ 30.13
361-32	4	Skirting Installation	LF	\$ 24.12
361-32	5	Electrical Service	Allowance	\$ 15,000.00
361-32	6	Plumbing Service	Allowance	\$ 10,000.00
361-32	7	Fire Alarm Service	Allowance	\$ 7,500.00
361-32	8	Phone/Data/Security	Allowance	\$ 20,000.00
361-30	9	Site Superintendent (100%)	Per Week	\$ 2,992.95
361-30	10	Engineered Plans (TDLR)	Allowance	\$ 25,000.00
361-30	11	Permitting/Inspections	Allowance	.45% of total cost

**Note 1:** Above prices do not include reimbursable expenses such as lodging, meals, travel/transportation costs, or incidental expenses.

**Note 2:** TSG prices include standard site and building clean-up (removal of construction debris, sweeping etc.). Upon customer request a more thorough cleaning to make the facility ready for occupancy may be required.





## **BUILDING CAPITAL SOLUTIONS**

2200 North Loop West, Ste. 102 • Houston • Texas • 77054

Mobile: (832) 660-5914

[www.tsg-industries.com](http://www.tsg-industries.com)

[tsims@tsg-industries.com](mailto:tsims@tsg-industries.com)

### **4.0 WARRANTY (1 Year)**

TSG Industries building warranty on a renovated construction is 1-year which includes all improved surfaces and equipment. In addition to the standard manufacturer's 1-year warranty, TSG typically provides a 1-year labor and 1-year parts on the electrical and plumbing system. The electrical plumbing warranty starts from the date the building occupancy at the site and covers any plumbing issues on the improved labs with the scope.

### **4.1 MATERIALS AND WORKMANSHIP WARRANTY.**

TSG Industries (Contractor) expressly warrants that all items, materials, and work furnished through vendors, suppliers and subcontractor under this contract will conform to specifications, drawings, samples, or other description referred to herein or given by Owner to Contractor. All the work shall be performed with workmanship consistent with sound construction practice, and all items and materials shall be new, free from defects, of merchantable quality, and fit for the purposes intended. Contractor shall install or apply all materials, whether furnished by Contractor or Subcontractor, in strict accordance with installation or application instructions and procedures set forth by the material supplier.

### **4.2 WARRANTY REMEDY**

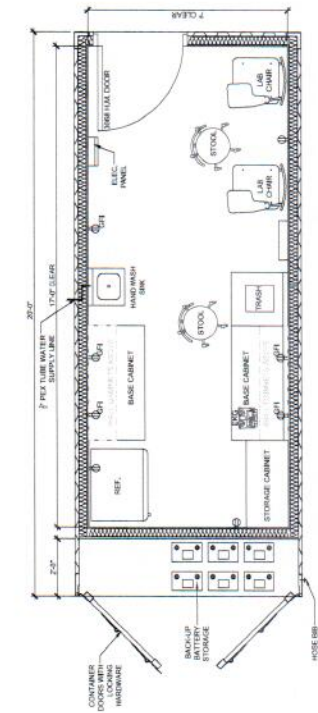
4.2.1 Should there be defects, errors, or omissions in, or breach of, any warranty of Contractor concerning items, materials, or workmanship, Subcontractor, without cost to Owner, shall promptly correct, repair, or replace the materials or workmanship in whatever manner necessary so that all the requirements of this contract and the obligations of Contractor under Article 4 are satisfactorily fulfilled. If Subcontractor fails after reasonable notice to proceed promptly with the correction, repair, or replacement of any defective items, materials, or workmanship, Contractor may replace or repair such items or materials, correct such workmanship, and charge the cost thereof to Subcontractor and/or may terminate this Subcontract for default.

### **4.3 WARRANTY BENEFICIARIES.**

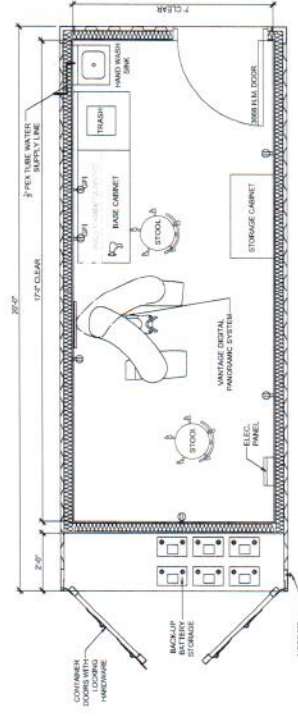
All of Contractor's warranties and all warranty remedies hereunder shall be for the benefit of, and shall be enforceable by the Owner. Those warranties and remedies obtained by vendors and suppliers shall also be made enforceable by the Owner.

Sincerely,

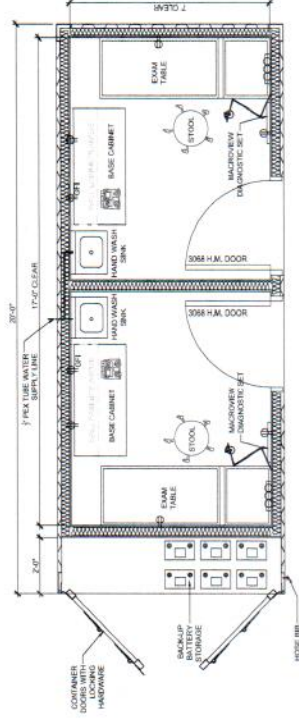
Theodore D. Sims, LEED AP  
General Manager



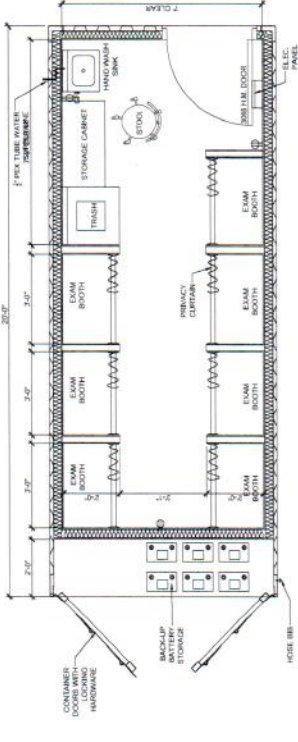
**FLOOR PLAN - LABAROTORY**  
Scale: 1/2" = 1'-0"  
MEDCOM-1908-01



**FLOOR PLAN - DENTAL EXAM**  
Scale: 1/2" = 1'-0"  
MEDCOM-1908-03



**FLOOR PLAN - MEDICAL EXAM**  
Scale: 1/2" = 1'-0"  
MEDCOM-1908-02



**FLOOR PLAN - HEARING EXAM**  
Scale: 1/2" = 1'-0"  
MEDCOM-1908-04

**MEDICAL EXAM CONTAINERS**



PREPARED BY  
ANYTOWN, USA  
CONTAINER MED CLINIC, PLAN 191010  
October 10, 2019

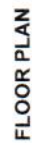




### CROSS SECTION



Scale: 1/2" = 1'-0"



Scale:  $1/2'' = 1'-0''$



### TYPICAL CONTAINER PAD LOCK

Scale N.T.S.

2 UNIT CLIMATE CONTROLLED STORAGE CONTAINER

PREPARED BY:



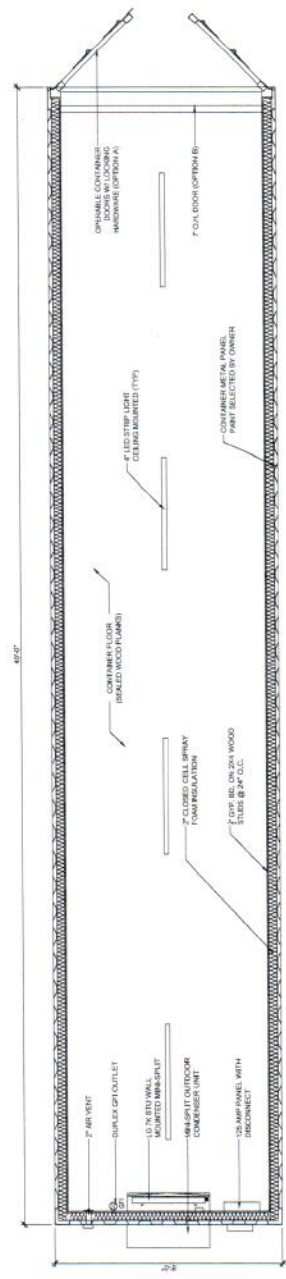
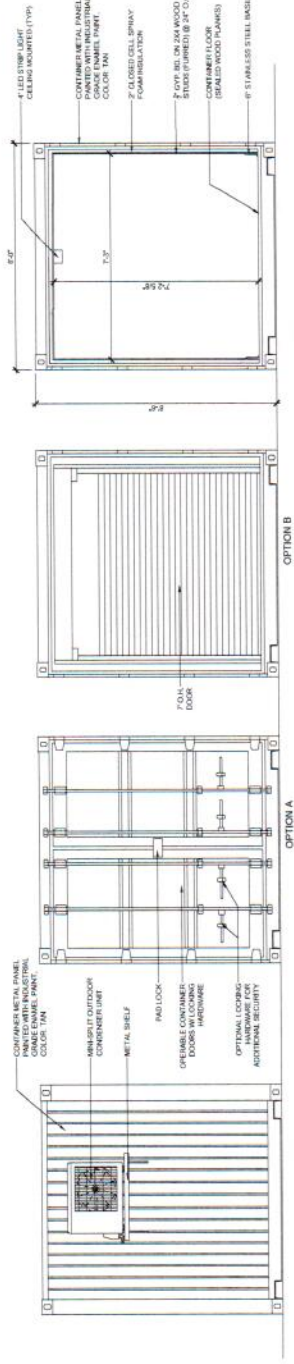
ARKTEx  
Design Services

ANYTOWN, USA

September 23, 2019

CONTAINER STORAGE XPLAN 190923

CONTAINER STORAGE AT LATE 1990s



TYPICAL CONTAINER PAD LOCK

Scale: N.T.S.

CLIMATE CONTROLLED STORAGE CONTAINER - 40'



PREPARED BY  
ANYTOWN USA  
August 23, 2019

CONTAINER STORAGE\_EXPLAN\_190829

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April 6, 2019

1-800-888-8888. For more information on the 1997-1998 season, visit our website at [www.fishbase.org](http://www.fishbase.org). For more information on the 1997-1998 season, visit our website at [www.fishbase.org](http://www.fishbase.org).

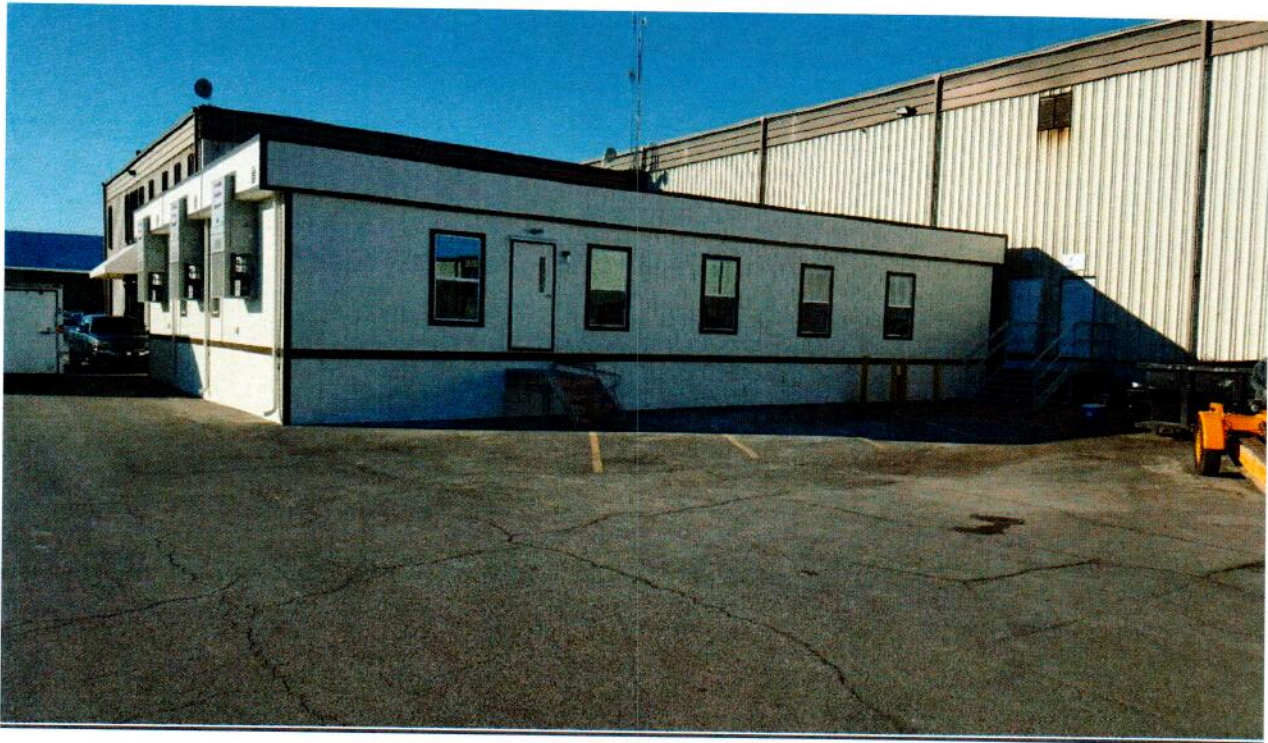
SPANISH OAK CH...XPLAN



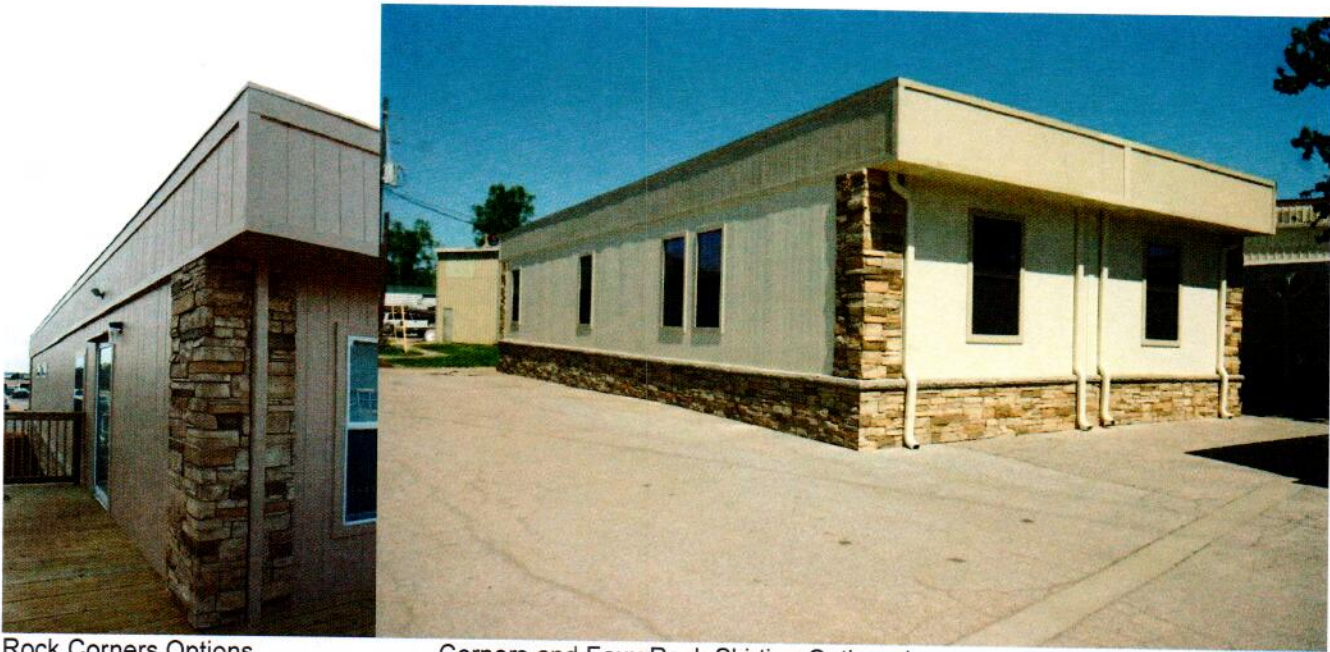


Exterior Quote with Overhangs- Wall Hung HVAC's-Smart Panel Exterior – No Gutters/Downspouts





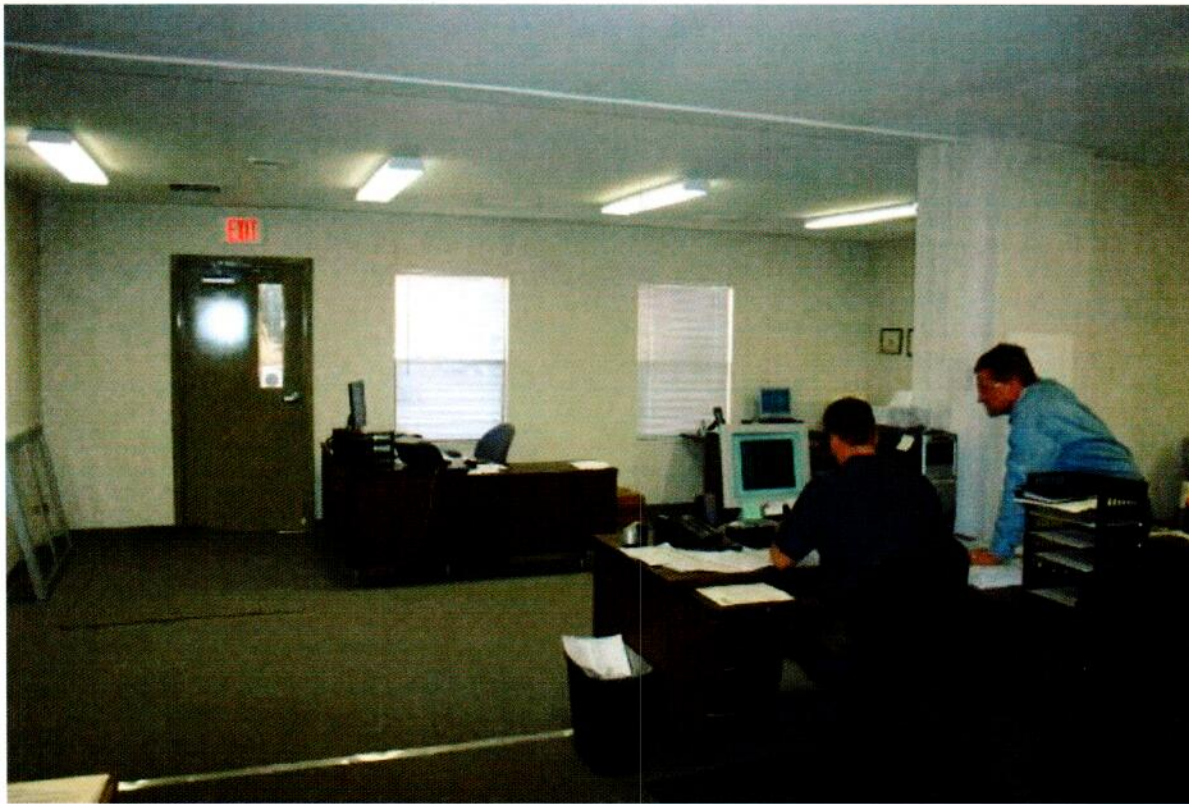
Look above shows true Box Mansard with Downspouts – This Option Adds \$1,135 to the cost of the building



Rock Corners Options

Corners and Faux Rock Skirting Optioned





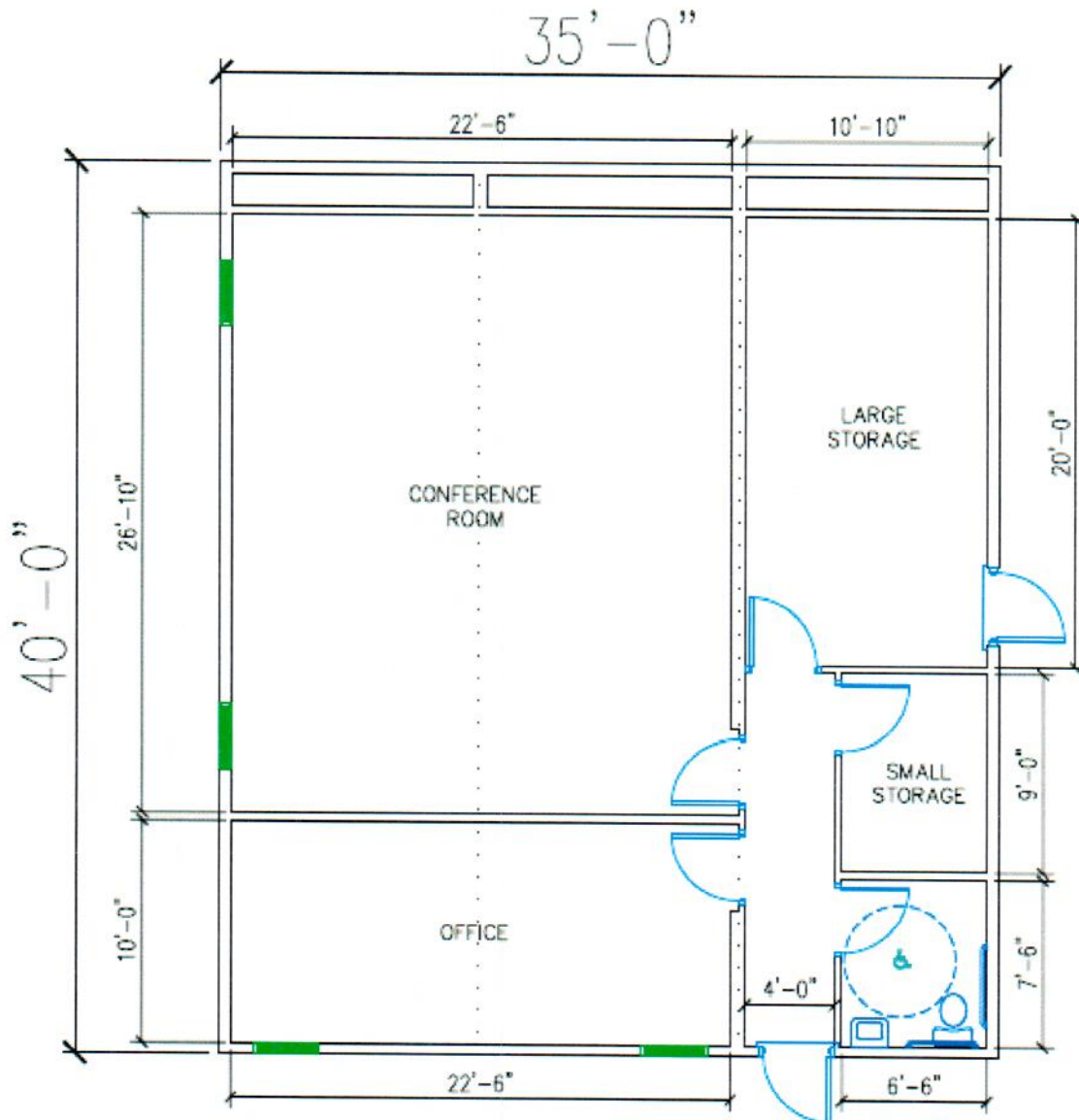
Hard Ceiling Quoted



T-Grid Ceiling Optioned above



TED SIMS PORT ARANSAS, TX  
 35x40 1,400 SQFT +/-  
 REV 1 6-21-18

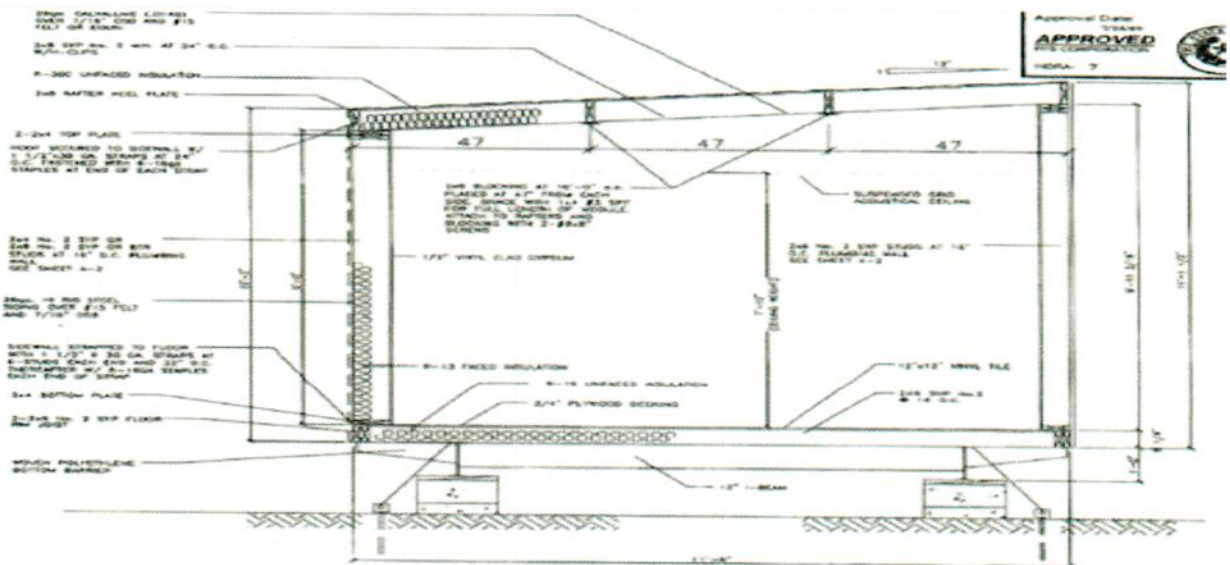


<p><b>COPYRIGHT NOTICE:</b>          This plan is property of Rose Office Systems, Inc.          and is proprietary information.          DO NOT COPY OR DISTRIBUTE without written          permission from Rose Office Systems, Inc.</p> <p><b>ROSE OFFICE SYSTEMS</b>          (888) 608-1173   <a href="http://www.RoseOffices.com">www.RoseOffices.com</a></p>	<p><b>IMPORTANT NOTE:</b>          All furniture, cabinetry, shelving, appliances, work tops,          interior or exterior windows, decks, ramps, steps and          all exterior items are shown for scale and conceptual          purposes only. Unless called out in a quote specification          listing, these items are not included with the building          price. Floor plans are conceptual only and are subject          to state and local codes. Plans may vary from this          concept sketch.</p>
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### MAJOR SPECIFICATIONS

CODES	Business Occupancy Rated TXCode IBC	120 MPH Wind Load
FRAME SYSTEM	Outrigger Frame with detachable hitch 12" Jr. I-Beam	
FLOOR PLYWOOD	3/4" Tongue and Groove Plywood 2x8 floor joists set 16" O.C.	
FLOOR COVER	<b>See Flooring Allowance Above</b>	
COVE MOULDING	<b>See Flooring Allowance Above</b>	
WALLS- Exterior	Stud grade materials 2" x 6" set 16" oc	
WALLS – Interior	Stud grade materials 2"x 4" set 16" oc.	
WALL COVERING	5/8" Vinyl Covered Gypsum Wall Board	Choice of factory standard colors
INSULATION	Exterior walls - R-21      Interior Walls – R-11 Floor – R-30                  Ceiling – R-49	
CEILINGS	Hard Seaspray Ceiling	See Option above for T-Grid with drop down Headers at mateline
CEILING HEIGHT	8 foot height to finished ceiling in all areas	
LIGHTING – Interior	Fluorescent Lights- Surface Mounted	T-Grid Lights if T-Grid Option is taken
LIGHTING - Exterior	Photo cell porch lights at each exterior door (Black Plastic)	
HVAC-Ductwork	Supply and return air installed in ceilings. Return air and registers in ceiling. Fiberglass ductwork is quoted.	
HVAC - System	End mount HVACs (1) 2-Ton with 10 kw heat – and (1) 3.5 Ton - Total 5.5 Tons of Air (2) Programmable Thermostats	
EXIT SIGNAGE and OUTSIDE LIGHTS	To codes - Lighted exit signs and battery back emergency lights per code requirements.	
RESTROOMS	ADA Restroom per Drawing referenced	.
FIRE ALARMS SMOKE ALARMS, SPRINKLERS.	<u>Not included – all Sprinkler &amp; Alarm systems are to be furnished by CUSTOMER if applicable</u>  <b>No</b> smoke detectors, fire alarms, Fire Shutters or sprinkler systems are included in the base price. This is subject to local code restrictions and compliance.	
PLUMBING	Supply Piping PEX w/Cut-offs, Waste Piping is PVC – (1) Handicapped Toilets (1) Wall hung Sinks with Single lever Faucet (1) Emax instant water heater	<b>NOTE:</b> All plumbing is "dropped out" thru the floor into the crawl space. Count each and every fixture, sinks, commode as a "drop" that must be manifolded together and connected on site to sewer by the Customer.
CABINETRY AND COUNTERTOPS	<b>NONE QUOTED</b>	.
APPLIANCES	<b>NONE QUOTED –</b>	
EXTERIOR SIDING	Smart Panel in Vertical Board look with Hardi Trim Transverse Roof with 2' Overhangs on ends for Water diversion off of sides of modules	See Options and Pictures for Boxed Guttered Mansard with Gutters and downspouts
ELECTRIC	(2) total 150 amp single Phase Panel Boxes (12) 2 x 4 Empty J-Boxes w/3/4"  Standard receipts and light switches	NOTE: Each module contains one panel box that must be hooked up by Customer on site. The MAIN disconnect and crossovers must be installed/connected by the Customer after setup by licensed electrician.
WINDOWS	(4) 36" x 60" Vertical Sliding Low-E Insulated Windows	
EXTERIOR DOORS	(2) 36 X 80 Steel with 4 x 25 VB with closers	
ROOFING MATERIAL	.045 EDPM Rubber Roofing black color. (Commercial grade) Engineered roof system	Unless T-Grid Option is taken the EDPM Rubber is White



[illegible]

Orangefield ES – Restroom Unit Cut Sheet

MIN WIRE SIZE	PANEL "A"	125 AMP 2-POLE SINGLE PHASE MAIN BREAKER				MIN WIRE SIZE	
6	2 TON 10KW HVAC UNIT	60 2P	1 3	2 4	20 20	RECEPTS HEAT TAPE RECEPT	12 12
12	LIGHTS	20	5	6	20	WATER HEATER	12
			7	8			
			9	10			
			11	12			
			13	14			
			15	16			
			17	18			
			19	20			
			21	22			
			23	24			

GROUND BAR

NEUTRAL

LOAD CALC:		240	
		125 AMP	
QTY	ITEM	WATTS	TOTAL
5	Fluorescent T-8's @125%	x 92	575 watts
4	Ext. Fluorescent Light	x 13	65 watts
3	Exhaust Fan 180 cfm	x 180	675 watts
2	Exhaust Fan 350 cfm	x 204	510 watts
6	Recept Duplex	x 180	1080 watts
1	Water Heater (120V)	x 2000	2000 watts
1	Hvac Unit 2 Ton (240v)	x 336	336 watts
1	Heat Strips (10 kw)	x 10000	10000 watts

Texas Industrialized  
Building Code Council

IBC ☒ IRC ☐

Approval Date:  
7/16/09

**APPROVED**  
PFS CORPORATION

HDRA- 7

Total Watts: 15241

Total Amps: 63.50

**BUILDING TOTAL LOAD:**

Panel "A" Load: 15241 watts

Total: 15241 watts

Voltage: 240 V

Total Amps: 63.50 Amps



CLASSROOM BUILDING  
SOMEWHERE, TEXAS  
FLOOR PLAN  
FILE: 2464 VALUE 17  
SERIAL #: 0000

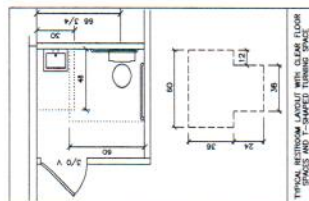
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PLOT SCALE:  
DRAWN BY:  
CHECKED BY:

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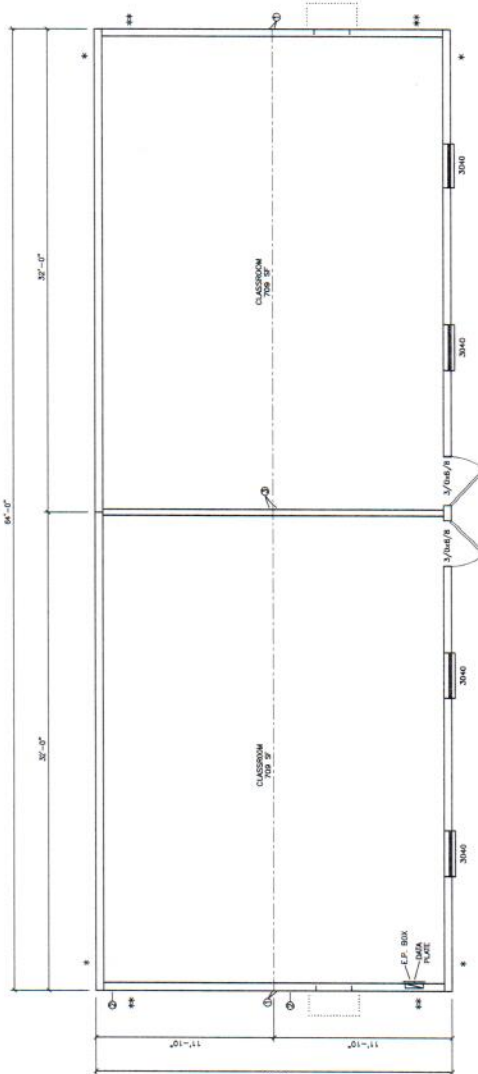
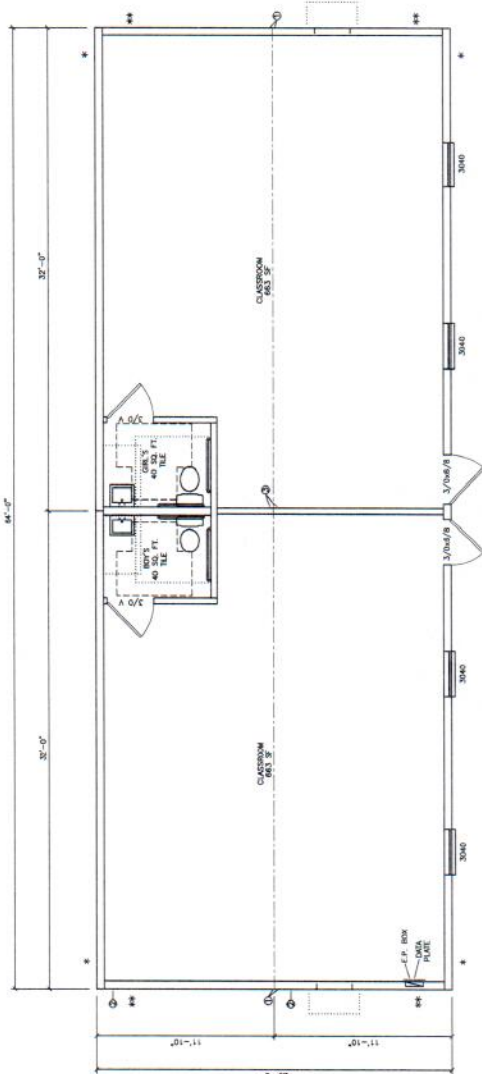
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MODULAR STRUCTURAL  
CONSULTANTS LLC  
720 CORT RD. STE. 220-150  
PLANO, TEXAS 75025-5833  
PHONE: 972-896-5373  
FAX: 972-896-5373

[illegible]

FLOOR PLAN SYMBOL LEGEND

* *	- DENOTES SIGHT WALL LOCATION (8'-0" IN LENGTH)
W	- DENOTES SIGHT WALL LOCATION (11'-0" IN LENGTH)
①	- DENOTES 1-5/8" DIA. 1/2" X 1/2" NUT
②	- DENOTES 1-5/8" DIA. 3/4" X 1/2" NUT
③	- DENOTES 1-5/8" DIA. 1" X 1/2" NUT
④	- DENOTES 1-5/8" DIA. 1 1/4" X 1/2" NUT
⑤	- DENOTES 1-5/8" DIA. 1 1/2" X 1/2" NUT
⑥	- DENOTES 1-5/8" DIA. 1 3/4" X 1/2" NUT
⑦	- DENOTES 1-5/8" DIA. 2" X 1/2" NUT
⑧	- DENOTES 1-5/8" DIA. 2 1/4" X 1/2" NUT
⑨	- DENOTES 1-5/8" DIA. 2 1/2" X 1/2" NUT
⑩	- DENOTES 1-5/8" DIA. 2 3/4" X 1/2" NUT
⑪	- DENOTES 1-5/8" DIA. 3" X 1/2" NUT
⑫	- DENOTES 1-5/8" DIA. 3 1/4" X 1/2" NUT
⑬	- DENOTES 1-5/8" DIA. 3 1/2" X 1/2" NUT
⑭	- DENOTES 1-5/8" DIA. 3 3/4" X 1/2" NUT
⑮	- DENOTES 1-5/8" DIA. 4" X 1/2" NUT
⑯	- DENOTES 1-5/8" DIA. 4 1/4" X 1/2" NUT
⑰	- DENOTES 1-5/8" DIA. 4 1/2" X 1/2" NUT
⑱	- DENOTES 1-5/8" DIA. 4 3/4" X 1/2" NUT
⑲	- DENOTES 1-5/8" DIA. 5" X 1/2" NUT
⑳	- DENOTES 1-5/8" DIA. 5 1/4" X 1/2" NUT
㉑	- DENOTES 1-5/8" DIA. 5 1/2" X 1/2" NUT
㉒	- DENOTES 1-5/8" DIA. 5 3/4" X 1/2" NUT
㉓	- DENOTES 1-5/8" DIA. 6" X 1/2" NUT
㉔	- DENOTES 1-5/8" DIA. 6 1/4" X 1/2" NUT
㉕	- DENOTES 1-5/8" DIA. 6 1/2" X 1/2" NUT
㉖	- DENOTES 1-5/8" DIA. 6 3/4" X 1/2" NUT
㉗	- DENOTES 1-5/8" DIA. 7" X 1/2" NUT
㉘	- DENOTES 1-5/8" DIA. 7 1/4" X 1/2" NUT
㉙	- DENOTES 1-5/8" DIA. 7 1/2" X 1/2" NUT
㉚	- DENOTES 1-5/8" DIA. 7 3/4" X 1/2" NUT
㉛	- DENOTES 1-5/8" DIA. 8" X 1/2" NUT
㉜	- DENOTES 1-5/8" DIA. 8 1/4" X 1/2" NUT
㉝	- DENOTES 1-5/8" DIA. 8 1/2" X 1/2" NUT
㉞	- DENOTES 1-5/8" DIA. 8 3/4" X 1/2" NUT
㉟	- DENOTES 1-5/8" DIA. 9" X 1/2" NUT
㊱	- DENOTES 1-5/8" DIA. 9 1/4" X 1/2" NUT
㊲	- DENOTES 1-5/8" DIA. 9 1/2" X 1/2" NUT
㊳	- DENOTES 1-5/8" DIA. 9 3/4" X 1/2" NUT
㊴	- DENOTES 1-5/8" DIA. 10" X 1/2" NUT
㊵	- DENOTES 1-5/8" DIA. 10 1/4" X 1/2" NUT
㊶	- DENOTES 1-5/8" DIA. 10 1/2" X 1/2" NUT
㊷	- DENOTES 1-5/8" DIA. 10 3/4" X 1/2" NUT
㊸	- DENOTES 1-5/8" DIA. 11" X 1/2" NUT
㊹	- DENOTES 1-5/8" DIA. 11 1/4" X 1/2" NUT
㊺	- DENOTES 1-5/8" DIA. 11 1/2" X 1/2" NUT
㊻	- DENOTES 1-5/8" DIA. 11 3/4" X 1/2" NUT
㊼	- DENOTES 1-5/8" DIA. 12" X 1/2" NUT
㊽	- DENOTES 1-5/8" DIA. 12 1/4" X 1/2" NUT
㊾	- DENOTES 1-5/8" DIA. 12 1/2" X 1/2" NUT
㊿	- DENOTES 1-5/8" DIA. 12 3/4" X 1/2" NUT
⓪	- DENOTES 1-5/8" DIA. 13" X 1/2" NUT
⓫	- DENOTES 1-5/8" DIA. 13 1/4" X 1/2" NUT
⓬	- DENOTES 1-5/8" DIA. 13 1/2" X 1/2" NUT
⓭	- DENOTES 1-5/8" DIA. 13 3/4" X 1/2" NUT
⓮	- DENOTES 1-5/8" DIA. 14" X 1/2" NUT
⓯	- DENOTES 1-5/8" DIA. 14 1/4" X 1/2" NUT
⓰	- DENOTES 1-5/8" DIA. 14 1/2" X 1/2" NUT
⓱	- DENOTES 1-5/8" DIA. 14 3/4" X 1/2" NUT
⓲	- DENOTES 1-5/8" DIA. 15" X 1/2" NUT
⓳	- DENOTES 1-5/8" DIA. 15 1/4" X 1/2" NUT
⓴	- DENOTES 1-5/8" DIA. 15 1/2" X 1/2" NUT
⓵	- DENOTES 1-5/8" DIA. 15 3/4" X 1/2" NUT
⓶	- DENOTES 1-5/8" DIA. 16" X 1/2" NUT
⓷	- DENOTES 1-5/8" DIA. 16 1/4" X 1/2" NUT
⓸	- DENOTES 1-5/8" DIA. 16 1/2" X 1/2" NUT
⓹	- DENOTES 1-5/8" DIA. 16 3/4" X 1/2" NUT
⓺	- DENOTES 1-5/8" DIA. 17" X 1/2" NUT
⓻	- DENOTES 1-5/8" DIA. 17 1/4" X 1/2" NUT
⓼	- DENOTES 1-5/8" DIA. 17 1/2" X 1/2" NUT
⓽	- DENOTES 1-5/8" DIA. 17 3/4" X 1/2" NUT
⓾	- DENOTES 1-5/8" DIA. 18" X 1/2" NUT
⓿	- DENOTES 1-5/8" DIA. 18 1/4" X 1/2" NUT
Ⓚ	- DENOTES 1-5/8" DIA. 18 1/2" X 1/2" NUT
Ⓛ	- DENOTES 1-5/8" DIA. 18 3/4" X 1/2" NUT
Ⓜ	- DENOTES 1-5/8" DIA. 19" X 1/2" NUT
Ⓨ	- DENOTES 1-5/8" DIA. 19 1/4" X 1/2" NUT
Ⓩ	- DENOTES 1-5/8" DIA. 19 1/2" X 1/2" NUT
ⓐ	- DENOTES 1-5/8" DIA. 19 3/4" X 1/2" NUT
ⓑ	- DENOTES 1-5/8" DIA. 20" X 1/2" NUT
ⓒ	- DENOTES 1-5/8" DIA. 20 1/4" X 1/2" NUT
ⓓ	- DENOTES 1-5/8" DIA. 20 1/2" X 1/2" NUT
ⓔ	- DENOTES 1-5/8" DIA. 20 3/4" X 1/2" NUT
ⓕ	- DENOTES 1-5/8" DIA. 21" X 1/2" NUT
ⓖ	- DENOTES 1-5/8" DIA. 21 1/4" X 1/2" NUT
ⓗ	- DENOTES 1-5/8" DIA. 21 1/2" X 1/2" NUT
ⓘ	- DENOTES 1-5/8" DIA. 21 3/4" X 1/2" NUT
ⓙ	- DENOTES 1-5/8" DIA. 22" X 1/2" NUT
ⓚ	- DENOTES 1-5/8" DIA. 22 1/4" X 1/2" NUT
ⓛ	- DENOTES 1-5/8" DIA. 22 1/2" X 1/2" NUT
ⓜ	- DENOTES 1-5/8" DIA. 22 3/4" X 1/2" NUT
ⓝ	- DENOTES 1-5/8" DIA. 23" X 1/2" NUT
ⓞ	- DENOTES 1-5/8" DIA. 23 1/4" X 1/2" NUT
ⓟ	- DENOTES 1-5/8" DIA. 23 1/2" X 1/2" NUT
ⓠ	- DENOTES 1-5/8" DIA. 23 3/4" X 1/2" NUT
ⓡ	- DENOTES 1-5/8" DIA. 24" X 1/2" NUT
ⓢ	- DENOTES 1-5/8" DIA. 24 1/4" X 1/2" NUT
ⓣ	- DENOTES 1-5/8" DIA. 24 1/2" X 1/2" NUT
ⓤ	- DENOTES 1-5/8" DIA. 24 3/4" X 1/2" NUT
ⓥ	- DENOTES 1-5/8" DIA. 25" X 1/2" NUT
ⓦ	- DENOTES 1-5/8" DIA. 25 1/4" X 1/2" NUT
ⓧ	- DENOTES 1-5/8" DIA. 25 1/2" X 1/2" NUT
ⓨ	- DENOTES 1-5/8" DIA. 25 3/4" X 1/2" NUT
ⓩ	- DENOTES 1-5/8" DIA. 26" X 1/2" NUT
⓪	- DENOTES 1-5/8" DIA. 26 1/4" X 1/2" NUT
⓫	- DENOTES 1-5/8" DIA. 26 1/2" X 1/2" NUT
⓬	- DENOTES 1-5/8" DIA. 26 3/4" X 1/2" NUT
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⓰	- DENOTES 1-5/8" DIA. 27 3/4" X 1/2" NUT
⓱	- DENOTES 1-5/8" DIA. 28" X 1/2" NUT
⓲	- DENOTES 1-5/8" DIA. 28 1/4" X 1/2" NUT
⓳	- DENOTES 1-5/8" DIA. 28 1/2" X 1/2" NUT
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⓶	- DENOTES 1-5/8" DIA. 29 1/4" X 1/2" NUT
⓷	- DENOTES 1-5/8" DIA. 29 1/2" X 1/2" NUT
⓸	- DENOTES 1-5/8" DIA. 29 3/4" X 1/2" NUT
⓹	- DENOTES 1-5/8" DIA. 30" X 1/2" NUT
⓺	- DENOTES 1-5/8" DIA. 30 1/4" X 1/2" NUT
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⓼	- DENOTES 1-5/8" DIA. 30 3/4" X 1/2" NUT
⓽	- DENOTES 1-5/8" DIA. 31" X 1/2" NUT
⓾	- DENOTES 1-5/8" DIA. 31 1/4" X 1/2" NUT
⓿	- DENOTES 1-5/8" DIA. 31 1/2" X 1/2" NUT
Ⓚ	- DENOTES 1-5/8" DIA. 31 3/4" X 1/2" NUT
Ⓛ	- DENOTES 1-5/8" DIA. 32" X 1/2" NUT
Ⓜ	- DENOTES 1-5/8" DIA. 32 1/4" X 1/2" NUT
Ⓨ	- DENOTES 1-5/8" DIA. 32 1/2" X 1/2" NUT
Ⓩ	- DENOTES 1-5/8" DIA. 32 3/4" X 1/2" NUT
ⓐ	- DENOTES 1-5/8" DIA. 33" X 1/2" NUT
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ⓗ	- DENOTES 1-5/8" DIA. 34 3/4" X 1/2" NUT
ⓘ	- DENOTES 1-5/8" DIA. 35" X 1/2" NUT
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ⓛ	- DENOTES 1-5/8" DIA. 35 3/4" X 1/2" NUT
ⓜ	- DENOTES 1-5/8" DIA. 36" X 1/2" NUT
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ⓞ	- DENOTES 1-5/8" DIA. 36 1/2" X 1/2" NUT
ⓟ	- DENOTES 1-5/8" DIA. 36 3/4" X 1/2" NUT
ⓠ	- DENOTES 1-5/8" DIA. 37" X 1/2" NUT
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⓴	- DENOTES 1-5/8" DIA. 37 3/4" X 1/2" NUT
⓵	- DENOTES 1-5/8" DIA. 38" X 1/2" NUT
⓶	- DENOTES 1-5/8" DIA. 38 1/4" X 1/2" NUT
⓷	- DENOTES 1-5/8" DIA. 38 1/2" X 1/2" NUT
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ⓐ	- DENOTES 1-5/8" DIA. 42" X 1/2" NUT
ⓑ	- DENOTES 1-5/8" DIA. 42 1/4" X 1/2" NUT
ⓒ	- DENOTES 1-5/8" DIA. 42 1/2" X 1/2" NUT
ⓓ	- DENOTES 1-5/8" DIA. 42 3/4" X 1/2" NUT
ⓔ	- DENOTES 1-5/8" DIA. 43" X 1/2" NUT
ⓕ	- DENOTES 1-5/8" DIA. 43 1/4" X 1/2" NUT
ⓖ	- DENOTES 1-5/8" DIA. 43 1/2" X 1/2" NUT
ⓗ	- DENOTES 1-5/8" DIA. 43 3/4" X 1/2" NUT
ⓘ	- DENOTES 1-5/8" DIA. 44" X 1/2" NUT
ⓙ	- DENOTES 1-5/8" DIA. 44 1/4" X 1/2" NUT
ⓚ	- DENOTES 1-5/8" DIA. 44 1/2" X 1/2" NUT
ⓛ	- DENOTES 1-5/8" DIA. 44 3/4" X 1/2" NUT
ⓜ	- DENOTES 1-5/8" DIA. 45" X 1/2" NUT
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ⓠ	- DENOTES 1-5/8" DIA. 46" X 1/2" NUT
ⓡ	- DENOTES 1-5/8" DIA. 46 1/4" X 1/2" NUT
ⓢ	- DENOTES 1-5/8" DIA. 46 1/2" X 1/2" NUT
⓴	- DENOTES 1-5/8" DIA. 46 3/4" X 1/2" NUT
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⓷	- DENOTES 1-5/8" DIA. 47 1/2" X 1/2" NUT
⓸	- DENOTES 1-5/8" DIA. 47 3/4" X 1/2" NUT
⓹	- DENOTES 1-5/8" DIA. 48" X 1/2" NUT
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Ⓚ	- DENOTES 1-5/8" DIA. 49 3/4" X 1/2" NUT
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Ⓨ	- DENOTES 1-5/8" DIA. 50 1/2" X 1/2" NUT
Ⓩ	- DENOTES 1-5/8" DIA. 50 3/4" X 1/2" NUT
ⓐ	- DENOTES 1-5/8" DIA. 51" X 1/2" NUT
ⓑ	- DENOTES 1-5/8" DIA. 51 1/4" X 1/2" NUT
ⓒ	- DENOTES 1-5/8" DIA. 51 1/2" X 1/2" NUT
ⓓ	- DENOTES 1-5/8" DIA. 51 3/4" X 1/2" NUT
ⓔ	- DENOTES 1-5/8" DIA. 52" X 1/2" NUT
ⓕ	- DENOTES 1-5/8" DIA. 52 1/4" X 1/2" NUT
ⓖ	- DENOTES 1-5/8" DIA. 52 1/2" X 1/2" NUT
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⓴	- DENOTES 1-5/8" DIA. 55 3/4" X 1/2" NUT
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Ⓜ	- DENOTES 1-5/8" DIA. 59 1/4" X 1/2" NUT
Ⓨ	- DENOTES 1-5/8" DIA. 59 1/2" X 1/2" NUT
Ⓩ	- DENOTES 1-5/8" DIA. 59 3/4" X 1/2" NUT
ⓐ	- DENOTES 1-5/8" DIA. 60" X 1/2" NUT
ⓑ	- DENOTES 1-5/8" DIA. 60 1/4" X 1/2" NUT
ⓒ	- DENOTES 1-5/8" DIA. 60 1/2" X 1/2" NUT
ⓓ	- DENOTES 1-5/8" DIA. 60 3/4" X 1/2" NUT
ⓔ	- DENOTES 1-5/8" DIA. 61" X 1/2" NUT
ⓕ	- DENOTES 1-5/8" DIA. 61 1/4" X 1/2" NUT
ⓖ	- DENOTES 1-5/8" DIA. 61 1/2" X 1/2" NUT
ⓗ	- DENOTES 1-5/8" DIA. 61 3/4" X 1/2" NUT
ⓘ	- DENOTES 1-5/8" DIA. 62" X 1/2" NUT
ⓙ	- DENOTES 1-5/8" DIA. 62 1/4" X 1/2" NUT
ⓚ	- DENOTES 1-5/8" DIA. 62 1/2" X 1/2" NUT
ⓛ	- DENOTES 1-5/8" DIA. 62 3/4" X 1/2" NUT
ⓜ	- DENOTES 1-5/8" DIA. 63" X 1/2" NUT
ⓝ	- DENOTES 1-5/8" DIA. 63 1/4" X 1/2" NUT
ⓞ	- DENOTES 1-5/8" DIA. 63 1/2" X 1/2" NUT
ⓟ	- DENOTES 1-5/8" DIA. 63 3/4" X 1/2" NUT
ⓠ	- DENOTES 1-5/8" DIA. 64" X 1/2" NUT
ⓡ	- DENOTES 1-5/8" DIA. 64 1/4" X 1/2" NUT
ⓢ	- DENOTES 1-5/8" DIA. 64 1/2" X 1/2" NUT
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⓻	- DENOTES 1-5/8" DIA. 66 1/2" X 1/2" NUT
⓼	- DENOTES 1-5/8" DIA. 66 3/4" X 1/2" NUT
⓽	- DENOTES 1-5/8" DIA. 67" X 1/2" NUT
⓾	- DENOTES 1-5/8" DIA. 67 1/4" X 1/2" NUT
⓿	- DENOTES 1-5/8" DIA. 67 1/2" X 1/2" NUT
Ⓚ	- DENOTES 1-5/8" DIA. 67 3/4" X 1/2" NUT
Ⓛ	- DENOTES 1-5/8" DIA. 68" X 1/2" NUT
Ⓜ	- DENOTES 1-5/8" DIA. 68 1/4" X 1/2" NUT
Ⓨ	- DENOTES 1-5/8" DIA. 68 1/2" X 1/2" NUT
Ⓩ	- DENOTES 1-5/8" DIA. 68 3/4" X 1/2" NUT
ⓐ	- DENOTES 1-5/8" DIA. 69" X 1/2" NUT
ⓑ	- DENOTES 1-5/8" DIA. 69 1/4" X 1/2" NUT
ⓒ	- DENOTES 1-5/8" DIA. 69 1/2" X 1/2" NUT
ⓓ	- DENOTES 1-5/8" DIA. 69 3/4" X 1/2" NUT
ⓔ	- DENOTES 1-5/8" DIA. 70" X 1/2" NUT
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ⓖ	- DENOTES 1-5/8" DIA. 70 1/2" X 1/2" NUT
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ⓛ	- DENOTES 1-5/8" DIA. 71 3/4" X 1/2" NUT
ⓜ	- DENOTES 1-5/8" DIA. 72" X 1/2" NUT
ⓝ	- DENOTES 1-5/8" DIA. 72 1/4" X 1/2" NUT
ⓞ	-



DOOR LEGEND		GLAZING		NOTES
CALCUL	DOORWAY SIZE	INTERIOR		
3'-0" x 6'-6"	3' - 0" x 6' - 6"	DOOR	FINISH	
3'-0" x 6'-6"	3' - 0" x 6' - 6"	POST, STEEL DOOR	PAINT	
3'-0" x 6'-6"	3' - 0" x 6' - 6"	WALL, SOLID CORE	FINISH	
THERMOGLAZING AT DOORS NOT TO EXCEED 1/2" AND ARE TO BE REVEALED IF IN EXCESS OF 1/4"				
WINDOW LEGEND		GLAZING		NOTES
CALCUL	WINDOW SIZE	UPPER	STYLE	
1'-0" x 5'-0"	1' - 0" x 5' - 0"	ALUMINUM	SINGLE HANG	
1'-0" x 5'-0"	1' - 0" x 5' - 0"	ALUMINUM	DOUBLE HANG	
1'-0" x 5'-0"	1' - 0" x 5' - 0"	ALUMINUM	TRIPLE HANG	

WINDOW LEGEND						
CALLOUT	NOMINAL SIZE	VENT	MATERIAL	FINISH	STYLE	GLAZING
1040	36" x 48"	5.25	ALUMINUM	BRONZE	SINGLE HINGE	DUAL / EAR / LOW-E

Texas Industrialized  
Building Code Council

IBC ☒ IRC ☐

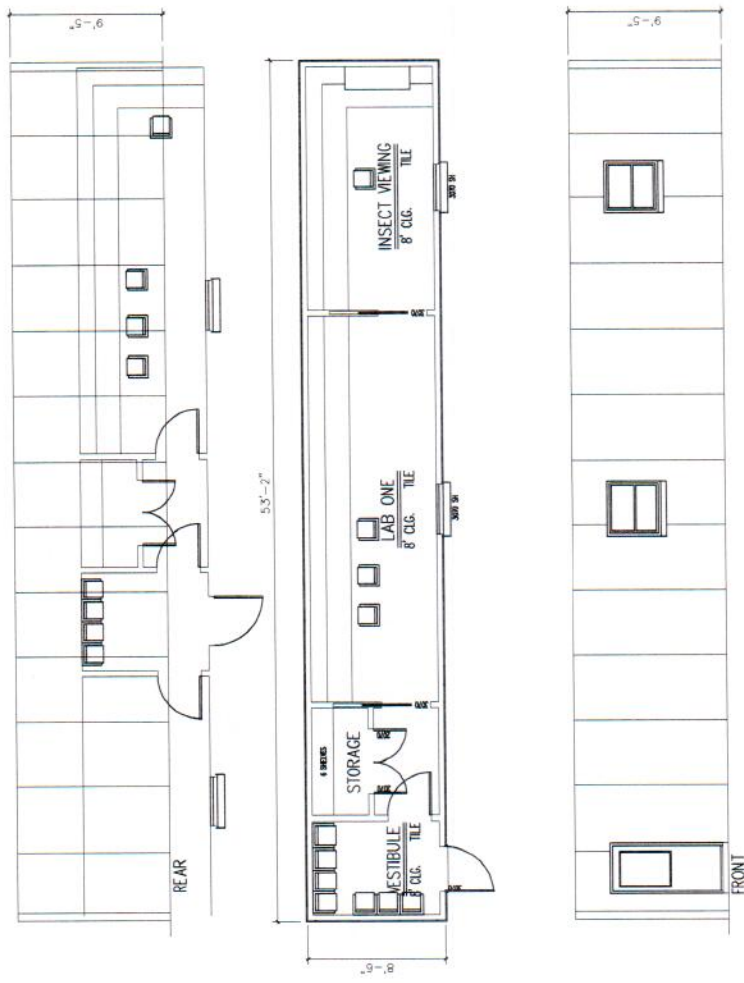
Approval Date: 8/2/17

**APPROVED**  
PFS CORPORATION

11/18/17 7







APHIS LAB \_\_\_\_\_ DATE \_\_\_\_\_  
 ATS DESIGN INC \_\_\_\_\_ DATE \_\_\_\_\_

**PRELIMINARY SET ONLY**  
**DO NOT USE FOR CONSTRUCTION**  
**FLOOR LAYOUT**  
 SCALE: 1/8" = 1' - 0"

<small>ATS DESIGN, INC. 2018          This drawing is the property of ATS Design, Inc. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ATS Design, Inc. All rights reserved.</small>	REVISION 02/27/2018	PROPOSED ADDITION APHIS Lab 0.0 0.0	DESIGNED: ATS DRAWN: ATS CHECKED: TS/APHIS DATE: 02/22/2018 REL. FOR CONST. 20180222-192	ATS DESIGN INC. BRING YOUR THOUGHTS INTO REALITY 4608 W Walnut Pearland, TX 77581 (281) 686-6268 phone (800) 380-4465 fax		20180222-192	1
	COMMERCIAL						

NEC Standard Electrical Load Ca  
Factor

General Lighting”

- 1 Wall Mount Lighting
- 2 Flat Pane Led lighting

**Total General Lighting Load**

Fixed Appliances(if insufficient space, use back):

- 1 Brewer Basic Exam Table
- 2 CardioTech GT-300 EKG Machine
- 3 Welch Allyn 77792-MNOBP Green Series Integrated Diagnostic Wall System
- 4 Wireless Router
- 2 Laptop

**Total Appliances Load**

Other Loads (including motors, EV charger(s), etc.)

- 1 9000 BTU split d/c inverted Heat Pump

**Total Service Load Volt-Amperes (VA) (Add lines 7, 8 & 9 thru 16) =**

**Total Service Load Volt-Amperes / 240-volts = Amper**



Calculation for Single Family Dwellings(Only for Service Ratings of 120/240V, 225 A

		Quantity	Volt Amperes(VA)	Watts		
YES	NO		2	30	60	
			2	30	60	
					120	
			2	60	120	
			1	30	30	
			1	30	30	
			1	100	100	
			2	100	200	
					480	
			1	720	720	
					1320 <b>Watts</b>	
<b>Solar Panels</b>					3.52	

Model	Part No	Battery Bank Voltage (Volts DC)	Max Current Output Per Controller	Size & Weight	Price	Fee	Quantity	Cost
Morningstar Corporation SunSaver SS-6L-12V Charge Controller	3680222	12VDC	6.5A		\$100.00	\$135.00	1.00	\$ 135.00
Morningstar Corporation DIN Rail Mounting	C9912595				\$3.00	\$4.05	1.00	\$ 4.05
Solarland SLP090-12U Silver Poly 12 Volt Solar Panel	9433229	90W	5.23A		\$250.00	\$337.50	1.00	\$ 337.50
						Total		\$ 476.55

Quote By Culturenunity LLC  
3415 BOCA Raton Rd Moussori City TX 77459  
Phone 8322705944





# SLP090-12U

High Efficiency Multicrystalline PV Module

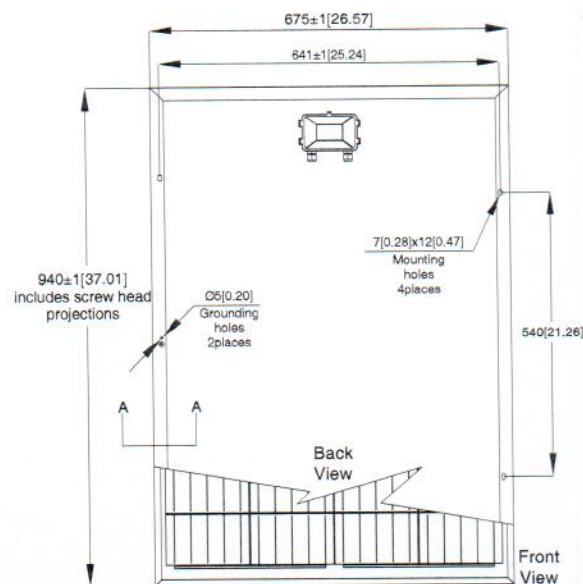
Electrical Characteristics	SLP090-12U
Product code	090011202
Maximum power (Pmax)	90W
Voltage at Pmax (Vmp)	17.2V
Current at Pmax (Imp)	5.23A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	5.81A
Temperature coefficient of Voc	$-(80 \pm 10) \text{ mV}/^{\circ}\text{C}$
Temperature coefficient of Isc	$(0.065 \pm 0.015) \text{ \%}/^{\circ}\text{C}$
Temperature coefficient of power	$-(0.5 \pm 0.05) \text{ \%}/^{\circ}\text{C}$
NOCT (Air 20°C, Sun 0.8kW/m² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	± 5%

\*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

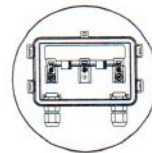
\*NOCT: Nominal operating cell temperature (the data is only for reference)



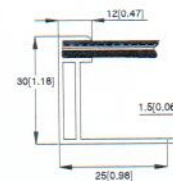
## Module Diagram



Dimensions in brackets are in inches.  
 Un-bracketed dimensions are in millimeters.  
 Unit: mm[in.]



Junction Box  
 Top View (Lid Open)

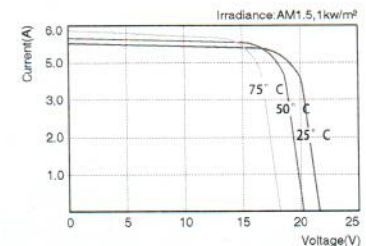


Section A-A

## Features

- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.

## Characteristics



SLP090-12U I-V Curves

Specifications	SLP090-12U
Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(4X9)
Module dimension	940mm[37.01in.]x675mm[26.57in.]x30mm[1.18in.]
Weight	8.00kg[17.64lbs]
Packing information(Carton)	980mm[38.58in.]x715mm[28.15in.]x80mm[3.15in.]/(2pcs/ctn)

\*Limited warranty: 5-year limited warranty of materials and workmanship; 10-year limited warranty of 90% power output; 25-year limited warranty of 80% power output. For detail, please contact us.

\*Specifications are subject to change without notice at any time.



www.onepointesolutions.com

CABINETS MANUFACTURED BY ONEPOINTE SOLUTIONS MUST BE SHIPPED DIRECTLY TO THE PROJECT SITE IMMEDIATELY AFTER FABRICATION. ANY DEVIATION FROM THIS MAY RESULT IN STORAGE CHARGES AT THE EXPENSE OF THE CUSTOMER.

SPACE RESERVED FOR APPROVAL STAMP

FOR DEALER USE ONLY  
☐ RETIRE & RESUBMIT  
☐ DRAWINGS APPROVED  
☐ RELEASED FOR FABRICATION

FOR INTERNAL USE ONLY  
☐ FIELD DIMENSIONS VERIFIED  
☐ POWDER SELECTION CHOSEN  
☐ PAUL SELECTION CHOSEN  
☐ TOP SELECTION CHOSEN

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ONEPOINTE SOLUTIONS LLC.  
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WITHOUT WRITTEN CONSENT.

Drawn by:

SFB

Checked by:

AB

PROJECT DATA:

The Sithe Group

QT34717

Date: 10/30/2019

PROJECT CONTACTS:  
☐ CONTACT 1  
☐ CONTACT 2  
☐ CONTACT 3  
☐ CONTACT 4

KEY SCHEDULE:

NOTES:

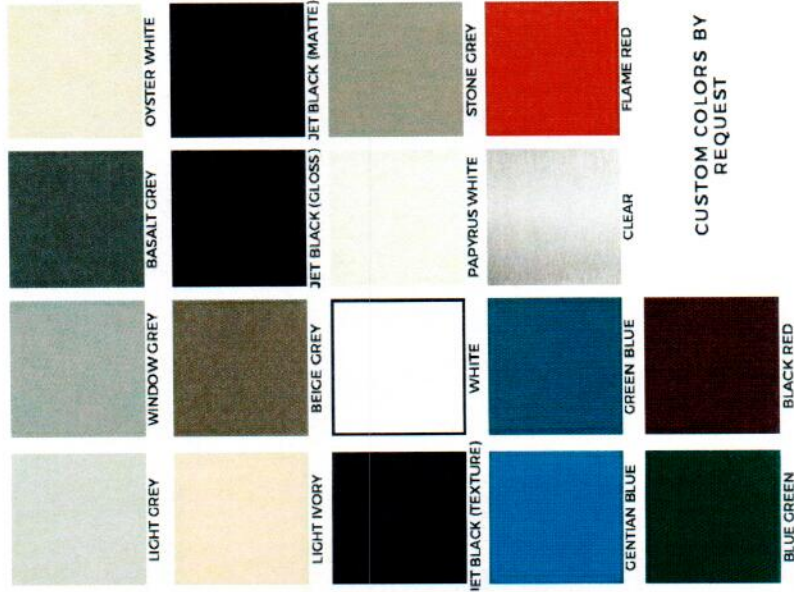
REVISION LIST			
REV#	DATE	REV. BY	UPDATED BY
1			

COVER SHEET

A101

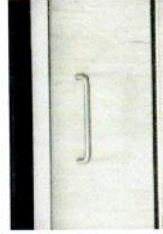


## STANDARD POWDER COAT OPTIONS

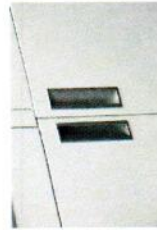


## STANDARD DOOR/DRAWER PULL OPTIONS

### WIRE PULL



### RECESSED ALUMINUM PULL



### RECESSED BLACK PULL



## STANDARD COUNTER-TOP OPTIONS

### EPOXY RESIN

Epoxy resin is a quality material that is resistant to most chemicals, moisture, impact, and heat. It's the ideal solution for environments that are very corrosive or have a high level of moisture.



### LAMINATE

Laminate countertops create a durable surface at an affordable price. Easy to care for and produces a realistic finish of different colors, textures, and patterns. Create a luxury experience with the perfect blend of practicality and visual appeal.



### MAPLE BLOCK

The rock-hard edge grain construction of our maple butcher block ensures maximum strength and durability. Our maple tops are hard at work in factories, kitchens, and shipping and receiving docks around the world. In the material handling business there is no better material than solid maple.



### PHENOLIC RESIN

Phenolic resin countertops and table tops meet the requirements of most laboratories while including additional benefits such as chemical, wear, and water resistance.



### STAINLESS STEEL

Stainless steel is the ultimate solution for adding durability to your workspace. As a nonporous surface, no liquid or substance can penetrate into the material. Bacteria, mold, and other common germs don't stand a chance.

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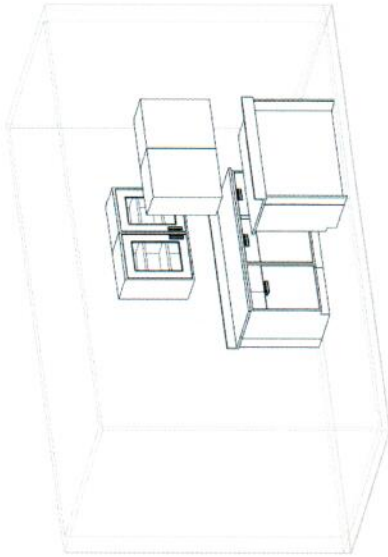
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### OPTIONS

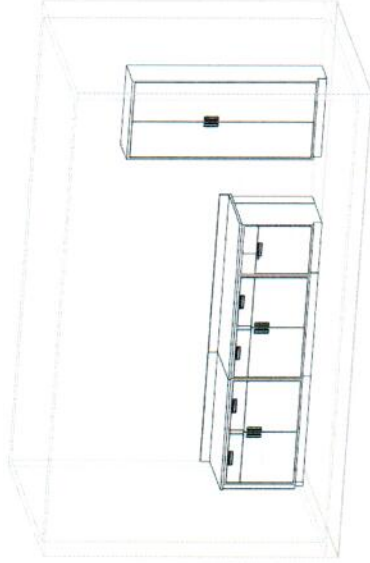
DATE: 10/20/2019  
DRAWN BY: C. HART  
CHECKED BY: S. HART  
SCALE: A102

# Casework Schedule

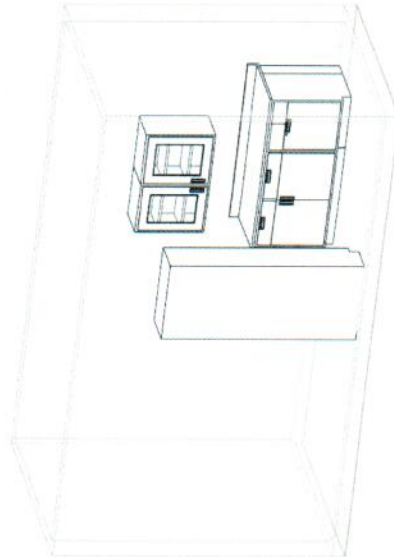
Part Number	Description	Part Quantity
54713-BASE-TRASH-352422-A	TRASH CABINET	4
BASE-354822-22-A	BASE CABINET 2 DRAWER 2 DOOR	6
FSK-3502	FRONT SCRIBE KIT	1
PRL1-05G LOT	PHENOLIC RESIN LAB GRADE 1.0 STEEL GRAY	6
RSK-3507	REAR SCRIBE KIT	9
TALL-440916-S-A	TALL CABINET SOLID DOORS	3
WALL-202186-A-A	WALL CABINET GLASS DOORS	4
WALL-202186-A1A	WALL CABINET GLASS DOORS	4



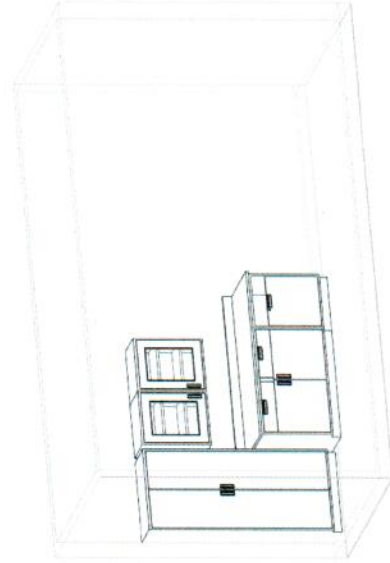
① PROJECT OVERVIEW - LABORATORY



② PROJECT OVERVIEW - MEDICAL EXAM



③ PROJECT OVERVIEW - DENTAL EXAM



④ PROJECT OVERVIEW - HEARING EXAM

POWDER COLOR: TBD  
PULL SELECTION: TBD  
TOP MATERIAL: PRL1.0 SG

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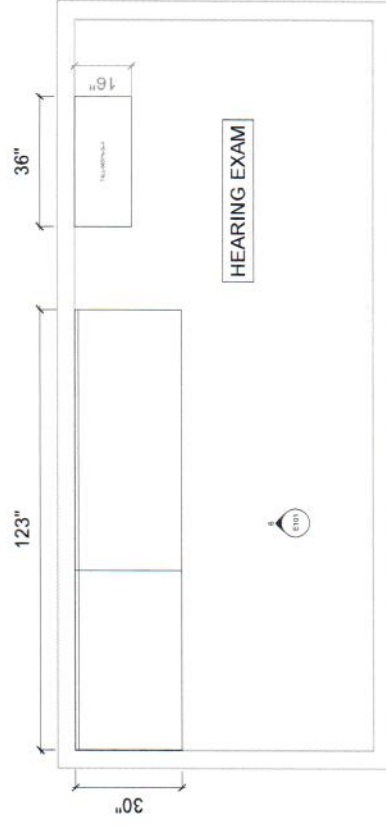
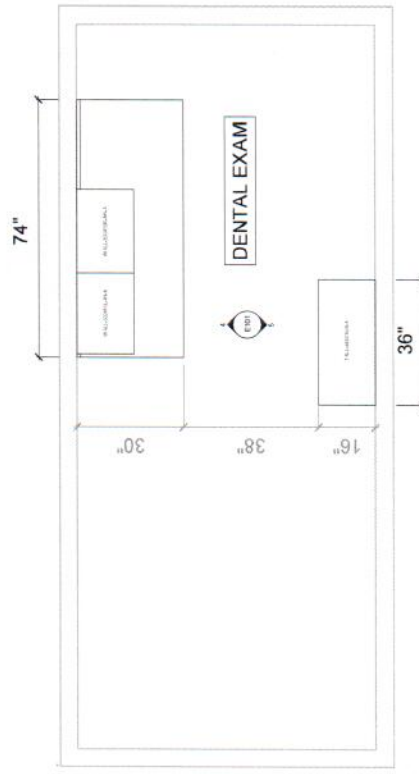
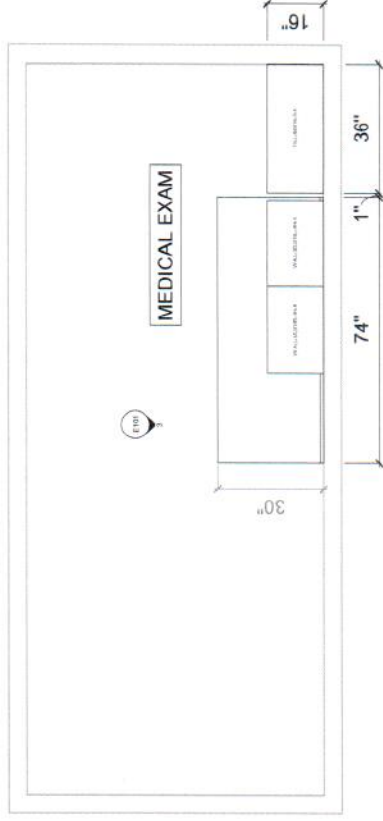
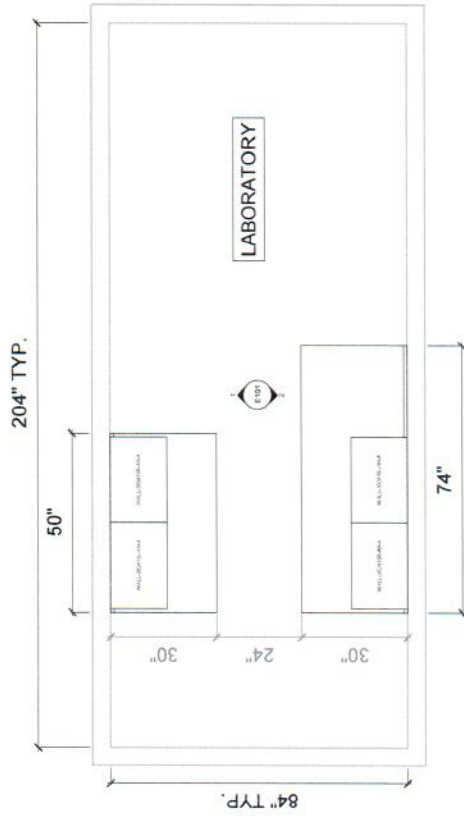


The Siltie Group  
QT34717

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PROJECT OVERVIEW		
Date	10/30/2019	A201
Drawn By	JFB	
Checked By	JFB	
Scale		





① OVERVIEW  
3/4" = 1'-0"

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CONSENT.



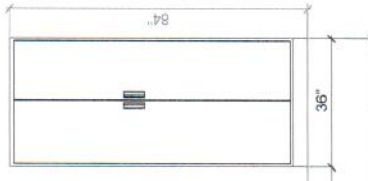
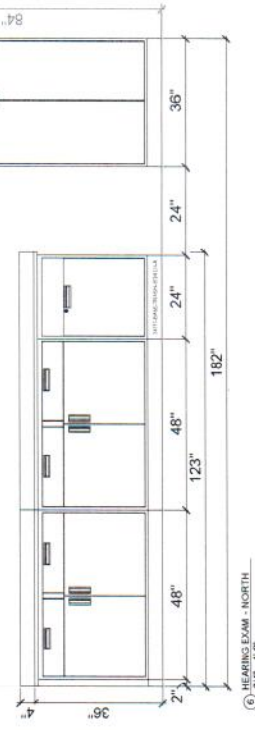
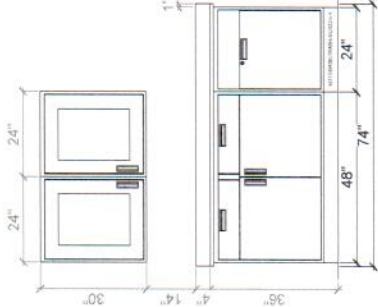
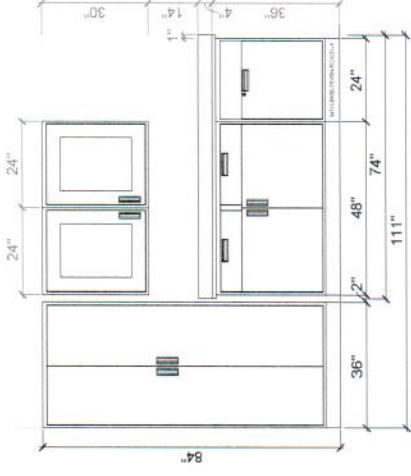
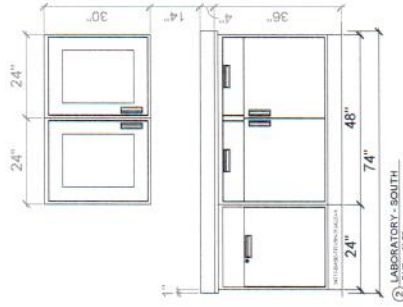
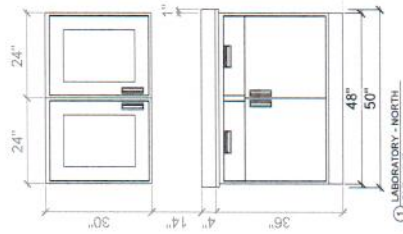
The Site Group  
QT34717

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ONEPOINT SOLUTIONS LLC.  
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OVERVIEW  
Date: 10/05/2018  
Drawn by: JFB  
Checked by: JFB  
Scale: 3/4" = 1'-0"

A202

10/05/2018



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The Silthe Group  
QT34717

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ELEVATIONS			
Project	03/20/2019	Drawn by	2/26
Checked by	AK	Scale	3/4" = 1'-0"
E101			



Inspiring Great Spaces®



## PRODUCT SPEC PAGE

**STANDARD EXCELON® Imperial® Texture | MultiColor™**  
Vinyl Composition Tile (VCT)

### Product Information

Construction	Product Line	International Product Specifications	Overall Thickness Wear Layer Thickness	Factory Finish	Installation	Maintenance Options
Vinyl Composition Tile	Imperial Texture MultiColor	ASTM F1066 - Class 2 Through Pattern ISO 10595 Type II	1/8 in. (3.2 mm)	Fast Start®	Full Spread Adhesives S-515, S-525, S-700, S-750 & S-240, Flip® Spray Adhesive	Polish

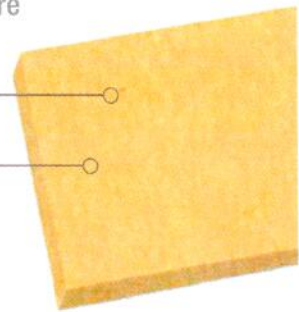
### Packaging

Tile Size	Tile per Carton/Coverage	Shipping Weight per Carton
12 in. x 12 in. (305 mm x 305 mm)	45 - 45 ft² (4.18 m²)	Approx. 63 lbs./carton (28.6 kg)

### Product Structure

Exclusive Fast Start®  
Factory Finish

Through-Color/Pattern  
Wear Layer



### Testing

	Performance	Test Method	Requirement	Performance vs. Requirement
ASTM F 1066	Thickness	ASTM F 386	Nominal $\pm 0.005$ in.	Meets
	Size	ASTM F 2055	$\pm 0.016$ in. per linear foot	Meets
	Squareness	ASTM F 2055	0.010 in. max	Meets
	Indentation – One Minute	ASTM F 1914	$\geq 0.006$ in. to $\leq 0.015$ in.	Meets
	Indentation @ 115°F	ASTM F 1914	$< 0.032$ in.	Meets
	Impact	ASTM F 1265	No cracks beyond limit	Meets
	Deflection	ASTM F 1304	1.0 in. minimum	Meets
	Dimensional Stability	ASTM F 2199	$\leq 0.024$ in. per linear foot	Meets
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets
	Resistance to Heat	ASTM F 1514	$\Delta E$ not greater than 8.0	Meets
	Static Load Resistance	ASTM F 970	$\leq 0.005$ in.	125 psi
Additional	Fire Test Data – Flame Spread	ASTM E 648	0.45 W/cm² or more Class I	Meets
	Fire Test Data – Smoke Evolution	ASTM E 662	450 or less	Meets
	Fire Test Data – Canada	CANULC S102.2	Use dependent	Flame Spread - 0    Smoke Developed - 30

Inspiring Great Spaces®



## PRODUCT SPEC PAGE

STANDARD EXCELON® Imperial® Texture | MultiColor™  
Vinyl Composition Tile (VCT)

### Maritime Usage

IMO Resolution A653 (16) Surface Flammability IMO MSC 61(67) Annex 1 Part 5 and Annex 2 Smoke and Toxicity IMO MSC 61(67) Annex 1 Part 2 and Annex 2	Passes Passes
Safety Of Life at Sea (SOLAS)	Compliant
United States Coast Guard	Approved

### Sustainability

Certification Attribute	Standard	3rd party Certification/Certifier
Low-Emitting Material	CDPH v1.1 (2017) a.k.a CHPS 01350	FloorScore/SCS
Environmental Product Declaration (EPD)	ISO 14025	Yes/ASTM International
Plant Quality	ISO 9001	Yes/SAI Global

Performance	Standard	Requirement	Performance vs. Requirements
TVOC Range	CDPH v1.1 (2017) a.k.a CHPS 01350	<0.5 mg/m³	Meets
Low Emitting Adhesives S-515 S-525 S-700 S-750 S-240 Flip® Spray Adhesive*	SCAQMD Rule #1168	Less than 50 g/L	S-515 Exceeds – 0 g/L S-525 Exceeds – 16 g/L S-700 Exceeds – 0 g/L S-750 Exceeds – 5 g/L S-240 Exceeds – 10 g/L Flip® Exceeds – 0 g/L
Material Ingredients (Option 1)	LEED v4	Content disclosure to 1000 ppm	Meets (See Armstrong Product Declaration)
Recycled Content	ISO 14021	Contains recycled content	Meets Recycled Content – 25% Total (5% Post-Consumer and 20% Pre-Consumer)

\* Flip® Spray Adhesive is Cradle to Cradle Silver certified.

### Limited Warranty

5-year Commercial Warranty when installed in accordance with Armstrong's Guaranteed Installation Systems manual, F-5061.

### Links

Installation Instructions	<a href="http://www.ArmstrongFlooring.com/flooring-downloads">www.ArmstrongFlooring.com/flooring-downloads</a>
Maintenance Information	<a href="http://www.ArmstrongFlooring.com/flooring-downloads">www.ArmstrongFlooring.com/flooring-downloads</a>
View the Full Line	<a href="http://www.Armstrong.com/commflooringna/products/vct">www.Armstrong.com/commflooringna/products/vct</a>
Product Transparency	<a href="http://www.ArmstrongFlooring.com/transparency">www.ArmstrongFlooring.com/transparency</a>
Email Techline	<a href="http://www.ArmstrongFlooring.com/flooring-techline">www.ArmstrongFlooring.com/flooring-techline</a>
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