

CITY OF ST. PETERSBURG, FLORIDA PLANNING AND DEVELOPMENT SERVICES DEPARTMENT URBAN PLANNING AND HISTORIC PRESERVATION DIVISION

STAFF REPORT

Community Planning and Preservation Commission Certificate of Appropriateness Request

Report to the Community Planning and Preservation Commission from the Urban Planning and Historic Preservation Division, Planning and Development Services Department, for Public Hearing and Executive Action **Tuesday, January 12, 2021, beginning at 2:00 p.m.**, in Council Chambers of City Hall, 175 Fifth St. N., St. Petersburg, Florida. Everyone is encouraged to view the meetings on TV or online at <u>www.stpete.org/meetings</u>.

UPDATE: COVID-19

Procedures will be implemented to comply with the CDC guidelines during the Public Hearing, including mandatory face coverings and social distancing, with limitations on the number of attendees within Council Chambers. The City's Planning and Development Services Department requests that you visit the City website at <u>www.stpete.org/meetings</u> and contact the case planner for up-to-date information pertaining to this case.

According to Planning and Development Services Department records, no member of the Community Planning and Preservation Commission resides or has a place of business within 2,000 feet of the subject property. All other possible conflicts should be declared upon the announcement of the item.

AGENDA ITEM:	CITY FILE NO.: 20-90200120
REQUEST:	Review of a Certificate of Appropriateness for the rehabilitation of historic buildings and structures at Sunken Gardens, an individually listed landmark of the St. Petersburg Register of Historic Places (98-03)
OWNERS:	City of St. Petersburg
PARCEL ID NO.:	18-31-17-86581-001-0010
ADDRESS:	1951 4 th St. N. (aka 1825 4 th St. N.)
LEGAL DESCRIPTION:	SUNKEN GARDENS BLK 1, LOT 1
ZONING:	CCT-1



Figure 1: Postcard of Entrance Building (south elevation) circa 1950

Historic Significance

(Excerpted from City of St. Petersburg, Florida Cultural Landscape Report of Sunken Gardens, August 8, 2011, by the City of St. Petersburg, Le-Huu Partners, David Sacks RLA, and Fishkind & Associates)

For nearly 100 years, the Turner family of St. Petersburg, Florida, through three generations, owned and operated the site that would come to be known as 'Turner's Sunken Gardens' (later, simply 'Sunken Gardens'), an enterprise that would entertain, educate and delight many millions of visitors with the natural phenomena of plants, water and animals, and with the personal, often whimsical touches of the Turners' own styles of design and construction, as well as of marketing and publicity. Ultimately, this 5-acre, family-run roadside attraction would help define both the city of St. Petersburg and the state of Florida in the 20th century.

Not long prior to George T. Turner's purchase of this land in 1903, the area was pioneer country. This part of Florida, in the 19th century, was very sparsely settle by Americans, and the prior occupants – Native American tribes – had been all but eliminated from the area....

The site had a large pond, surrounded by a marshy fringe, and was said to be a nuisance to neighbors whose horses and cows were frequently mired in the soft muck. Turner, a plumber, installed a pipe system and drained the pond, and set about growing fruits, vegetables, flowers and some ornamental plants, in the rich mucky flats as well as the sandier uplands around them. He built his young family a home on the site in c. 1910... Roadside attractions proliferated in Florida from the 1930s to the 1960s...Turner's Sunken Gardens was one of the earliest, most successful, and longest-lived examples of this phenomenon...

Turner hit upon the idea of a garden attraction around 1930, as a way to survive [the Great Depression] ... He and his son Ralph spent much of the next six years building and planting the garden. (His other son, George Turner, Jr., would also soon join the enterprise.)

Sunken Gardens opened officially for the winter season in December 1936. It features winding concrete paths that led visitors through the royal palm grove to a central open lawn – soon known as the Wedding Chapel (the present Wedding Lawn) – edged by masses of flowering shrubs, especially gardenias, mixed with a wide assortment of tropical foliage and flowering plants, trees, palms, cacti and others....

The Turners made almost continual changes and improvements to Sunken Gardens. By the 1940s, the gardens' territory was largely developed, with paths and terraces, pools and plantings throughout, and a new Mediterranean Revival entrance building and sales shop on 18th Avenue North. With no space for new gardens, they enhanced what had already been established. Ralph and George, Jr. were taking on more responsibility; in 1952, George St. retired, and a new, larger entrance and gift shop was built facing 4th Street. The old Turner house was torn down to make room... By the mid 1970s Sunken Gardens would...come to feature some two dozen pens, aviaries and other enclosures on site, inhabited by everything from toucans to vultures to Australian wallabies and African pygmy goats – and, of course, Florida alligators.

Most of these exhibits were constructed by the Turners' staff using a custom technique they had developed, beginning in 1967, to make faux stone structures, spraying a gunite-like cement mixture over a hand-formed steel and mesh frame...

The Turner family sold Sunken Gardens to the City of St. Petersburg in 1999. Since then, it has operated as a municipally owned and run botanical garden. A small contingent of birds, including a handful of flamingos, remains, but the other animals are gone – with the exception of one large alligator snapping turtle – and more of the faux stone pens have been filled in with plantings. The City has made a number of changes to the property, removing the cave and waterfall rockwork on the Main Building, demolishing the 1952 entrance building and removing some of the animal enclosures, and has shifted the focus somewhat back towards plants and nature – in a non-commercial, more education-oriented way...With all its changes, however, the site retains integrity, and still speaks of the mystery an beauty of an old Florida garden, and of the vision of the people who made it.

The proposed project aims to rehabilitate and heighten visibility of and accessibility to the 1940 entrance house, several of the "gunite-like" faux rock structures, and historic pathways throughout the garden. Given the fact that the original Turner residence, 1952 entrance building, and several faux rock structures have been demolished in recent decades, these three physical elements remain among the most historic and character-defining manmade resources at the site.

The Unique Significance of Sunken Gardens as a Historic Landscape and Collection of Resources

Historically designated properties can include a number of types of tangible reminders of significant past activity: districts, buildings, sites, structures, or objects. In the case of Sunken Gardens, a locally designated historic site, a number of resources exist throughout. These include contributing, or historic, resources, and non-contributing resources. The proposed project will largely affect contributing resources, meaning that they are historic to the site and not later additions nor highly altered.

The proposal will affect several types of resources, including buildings (the Entrance Building and Restrooms), structures (pathways, animal enclosures, and site walls), and the designed landscape of Sunken Gardens as a whole. It is important to note that these contributing resources are significant and historic elements of Sunken Gardens as a local historic landmark. Because the majority of local historic landmarks are individual buildings or districts, COAs typically focus primarily on particular buildings. Sunken Gardens is unique in that it is classified as an individual landmark, but the site as a whole is of greater importance than any individual building located within its boundaries.

Further, it is worth noting that the proposal will include both elements of rehabilitation, meaning that a property is being altered or added to in order to meet contemporary needs while maintaining historic character, and of restoration, which is bringing a property back to its appearance at certain period in time.

Project Description and Review

Project Description

The application (Appendix A) proposes rehabilitation of a historic Entrance Building that has more recently been used to house animals overnight into a museum exhibit space, the rehabilitation of a restroom building, the rehabilitation of several faux-stone animal enclosures, and sitework including repairs to pathways and the Orchid Garden, which sits between the Entrance Building and restrooms to be updated. The application includes information on interior work, which is not subject to COA review. This COA application includes the following aspects of work:

- 1. 1940 Entrance Building ("Building A," or proposed museum location, per application):
 - Removal and replacement of knee walls surrounding original building;
 - Removal of non-historic metal awning structure at south elevation (historic façade);
 - Stucco repair;
 - Installation of site walls at southeastern corner to house vending machines;
 - Window replacement with aluminum or vinyl windows; and
 - Door replacement.
- 2. Restroom/Nursing Room ("Building B" per application):
 - Removal of shingle roof; replacement with clay barrel tile;
 - Removal and relocation of door;
 - Replacement of existing window on west elevation with door;
 - Replacement of window at east elevation.
- 3. Pathways and Orchid Garden
 - Removal of historic walkways in Orchid Garden;
 - Additional paving in various locations to improve stormwater runoff and ADA accessibility by modifying slope of current;
 - Since there are pathways dating to numerous times within the site's period of significance existing throughout Sunken Gardens, staff suggests that this COA approval include guidelines for the restoration of historic paths and construction of new pathways with an extended approval period under which projects can be administratively approved for several years.
- 4. Animal exhibits:
 - Repair or replacement of deteriorated doors;
 - New door openings with stainless steel doors and frames;
 - Repair to faux rocks at animal exhibits as needed.
- 5. Park site wall and fencing:
 - Creation of two openings at south site wall facing 18th Ave. N., to be 7.25 feet and 5 feet in width and feature aluminum gates;
 - A proposed curb cut facing 18th Ave. N. is within the City's Right of Way and will require review by the City's Engineering Department.

General Criteria for Granting Certificates of Appropriateness and Staff Findings

- 1. The effect of the proposed work on the landmark or the property upon which such work is to be done.
 - **Consistent** As a whole, this proposal will have a positive effect on Sunken Gardens as a historic site by rehabilitating some of its most significant contributing buildings and structures.

In particular, the historic feeling of the site will be improved by the restoration of the historic appearance of the 1940 entrance house, which has been largely obscured from the visitor experience for several decades. Reintroducing it into visitor circulation through the site will serve as a tangible reminder of Sunken Gardens' origin as a pre-World War II-era roadside attraction operated for many years by the Turner family.

Although interior improvements are out of the realm of consideration during COA review, staff finds the restored Entrance Building's proposed use as a museum space to be worth noting, as it will further patrons' understanding of the site's history.

Likewise, proposed changes to the Restroom/Nursing Room, animal enclosures, and pathways throughout are intended to improve accessibility to the historic site. In general, the proposal's aim is to increase the visibility of the site's historic evolution. With historic rehabilitations there will always be a necessary balancing between historic integrity and contemporary needs. Staff finds the proposal to constitute an overall improvement to historic integrity.

Case No. 20-90200120 CPPC January 12, 2021 pg. 6



Figure 2: Present appearance of 1940 Entrance Building from pathway along north elevation

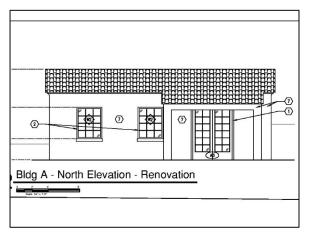


Figure 3: Proposed north elevation of Entrance Building



Figure 4: South elevation of Entrance House, which historically served as main building entry



Figure 5: Rendering of proposed south elevation of Entrance Building, from 18th Ave. N.

- 2. The relationship between such work and other structures on the landmark site or other property in the historic district.
 - **Consistent** The proposed project will partially restore the site's historic circulation by reintroducing the Entrance Building. Although the primary entrance will continue to be located at the northwest corner of the site (through the building that was originally the Sanitary Public Market), the increased visibility of the 1940 Entrance Building and its interpretation to visitors will be an important restoration.

- 3. The extent to which the historic, architectural, or archaeological significance, architectural style, design, arrangement, texture and materials of the local landmark or the property will be affected.
 - **Consistent** Overall, the proposal will constitute an improvement to the historic site's integrity for reasons discussed above.

There are two elements of the proposal that staff finds would negatively impact the integrity of resources within the larger site.

4. Whether the denial of a Certificate of Appropriateness would deprive the property owner of reasonable beneficial use of his or her property.

Consistent Overall, the proposed changes will increase accessibility to Sunken Gardens as a public attraction and facilitate continued use.

5. Whether the plans may be reasonably carried out by the applicant.

Consistent There is no indication that the applicant cannot carry out the proposal. The proposal is being partially funded by a grant from the State of Florida's Division of Historical Resources.

6. A COA for a noncontributing structure in a historic district shall be reviewed to determine whether the proposed work would negatively impact a contributing structure or the historic integrity of the district. Approval of a COA shall include any conditions necessary to mitigate or eliminate negative impacts.

NotAffected resources are contributing to the site's history.applicable

Additional Guidelines for Alterations

- 1. A local landmark should be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.
 - **Consistent** Sunken Gardens has been in continuous use as a botanical attraction for nearly a century, and its use will not change.

The Entrance Building, originally a gateway into the park and gift shop, has not served as the primary entrance to the park since another entrance was constructed in 1952. Due to its location facing 18th Ave. N., a primarily residential street, its use as the site's main entrance would no longer be appropriate. Adaptive reuse as a museum space will encourage interpretation of the site's growth and evolution throughout the twentieth century and is certainly a more appropriate use than its current use as a storage and preparatory building.

The proposed changes to the animal enclosures will allow for them to be put back into the use for which they were originally intended, restoring an element of the park's historic attraction. 2. The distinguishing historic qualities or character of a building, structure, or site and its environment shall be preserved. The removal or alteration of any historic material or distinctive architectural features shall be avoided when reasonable.

PartiallyThe project as proposed will generally preserve character-defining elements ofconsistentthe historic site. There are two elements of the proposal, however, that stafffinds worthy of careful consideration as part of this application.

The first historic element worth discussing is the windows at the Entrance Building. The proposed window replacement is certainly less desirable than the restoration of existing windows. Two sets of the building's original paired French doors at the north and south elevations have been removed and replaced with unglazed wooden doors in the same opening, so staff supports the proposal to replace those with French doors that generally replicate those historically present, as proposed. One additional new opening on the west elevation is proposed to feature a matching pair of French doors, to be aluminum construction with bronze finish.

The current condition of the windows throughout the building, however, is unknown. Window openings have been encapsulated during the period that the building has been used for storage and utility. Prior evaluations of the site, including the Local Historic Landmark Designation (City File HPC 98-03) indicate that it was then believed that the original windows had been left in place. If this is the case and restoration of the original steel window frames is at all feasible, staff recommends recommendation over replacement.

The second historic element that staff finds to warrant note is the proposed addition of new pavement to the Orchid Garden between the Entrance Building and Restroom (Figure 6). As shown in Figure 7, the sidewalks throughout the site with their iconic scalloped "cobblestone" designs were constructed using several techniques throughout the attraction's Period of Significance, and even supplemented with brick pavers.



Figure 6: Rendered site plan showing Entrance Building (left), Orchid Garden (center), and Restroom/Nursing Room (right). Arrow indicates North.

Case No. 20-90200120 CPPC January 12, 2021 pg. 9

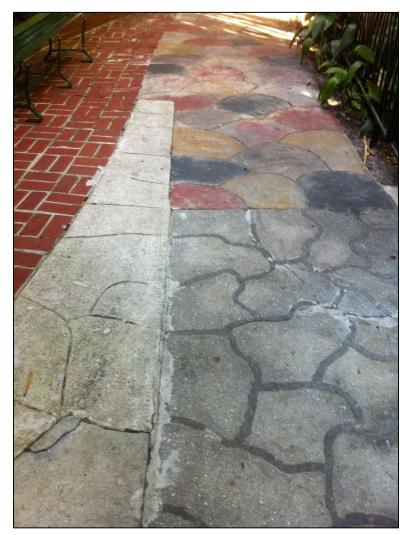


Figure 7: Image from within site showing several generations of paving techniques abutting

This variation provides an interesting portrayal of the site's continuing expansion and evolution. It also, however, creates ADA compliance and design challenges when alterations are necessary.

Perhaps it would seem that the simplest and most visually seamless approach would be to remove all historic pathways in areas of rehabilitation and replace them with contemporary concrete. However, as a designed landscape, the manmade pathways through Sunken Gardens, and the routes of circulation through the exhibits that they facilitate, are among the most fundamental of the landmark's resources. In no small part, the paths define the experience of visiting the site. The existing patchwork brings attention to its generations-long development and provide an opportunity for interpretation of the several periods that shaped the site.

Case No. 20-90200120 CPPC January 12, 2021 pg. 10



Figure 8: Walkway in Orchid Garden shortly after restoration in 2017



Figure 9: Undated photographs from Sunken Gardens brochure (circa 1960s) showing multicolored paths with faded coloring

In the 2012 Cultural Landscape Report of the site, several recommendations pertaining to the pathways were made, with approaches that should vary based on the condition of specific areas of walkway. Preservation was recommended for sections in good condition and meeting accessibility criteria, repair and restoration was recommended for sections with moderate condition issues, and restoration of the multicolored effect of the fish-scale pattern was also suggested. Where pavement requires replacement or addition, the Cultural Landscape Report suggests construction of "compatible but distinct" new paving, such as pavement scored with a simpler fish-scale pattern or one-foot grid.

The report further highlights the significance of the historic hierarchy of pathways, where the primary route through the site took precedence over secondary paths to enhance wayfinding.

In the case of the proposed project, the applicant proposes the removal of pathways and paved areas adjacent to the Entrance Building in order to address drainage issues. These walkways, as well as additional patio space surrounding the Entrance Building, are proposed to be paved

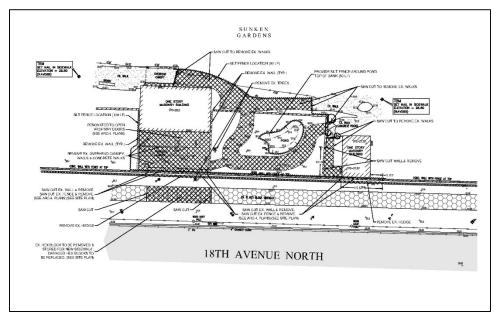


Figure 10: Demolition plan for walkways and Orchid Garden

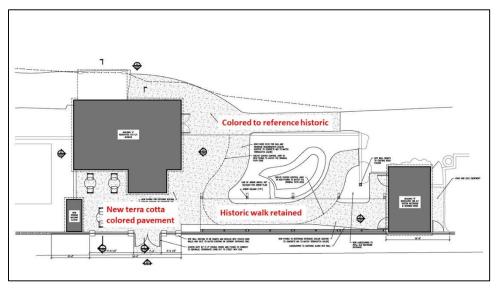


Figure 11: Proposed paving with hierarchy created by retaining multicolored pattern along primary walkway, as recommended by staff.

Staff recommends the walkways be differentiated to distinguish the coloring at the main circulation walk from the Orchid Garden/patio space and retain the restored historic path around the Orchid Garden pond as shown above. This is in keeping with the Cultural Landscape Report's recommendations and staff agrees that it is a good approach to distinguish the new patio/plaza space from the original, vegetated garden.

As seen in the historic postcard on the cover of this report, the Entrance Building is historically depicted to have been rather tightly surrounded by lush plantings. Paving much of the Orchid Garden and space between the Entrance Building and Site Wall for outdoor dining space will diminish this effect. However, when considering the goal of increasing the building's use and adding historic interpretation to the site, staff considers it appropriate as part of the overall rehabilitation of this section of Sunken Gardens.

3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings without sufficient documentary evidence, shall not be undertaken.

Consistent

4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved, as appropriate.

Consistent This project includes the rehabilitation and restoration of contributing resources from the 1940s through the 1960s.

5. Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.

Consistent

6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, texture, and other visual qualities and, where reasonable, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.

PartiallyAs noted, the present condition (or even existence) of the historic steelconsistentwindows within the boarded openings of the Entrance Building is not known.Staff recommends restoration of any remaining windows at that building if at
all possible.

7. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.

Consistent No harsh treatments have been proposed or observed.

8. Significant archaeological resources affected by a project shall be protected and preserved if designated pursuant to this section. If such resources must be disturbed, mitigation measures shall be undertaken.

NotThe subject property is not located within a known archaeological sensitivityapplicablearea.

Additional Guidelines for Window Replacement

The City's historic preservation office, State of Florida Division of Historic Resources, and U.S. Department of Interior Technical Preservation Services can provide additional information relating to window repair and replacement for individual landmark buildings and properties within local historic districts. While preservation and repair of historic windows is often preferable, property owners may replace windows provided that each replacement window meets the following criteria:

1. Impact resistance. The replacement window and glass shall be impact resistant;

Consistent

2. Energy performance. The replacement window shall be Energy Star qualified for southern climate zones;

Consistent

3. Depth in wall. The replacement window shall be setback into the wall the same distance as the historic window;

Consistent

4. Frame size, shape and exterior trim. The replacement window shall be the same size and shape as the historic window and opening. Historic openings shall not be altered in size. Existing, exterior trim shall be retained, where practicable;

Consistent The project proposes no change to the window opening sizes and arrangement.

- 5. Configuration. The replacement window shall have the same light configuration as the historic window. If the historic window configuration cannot be determined, the replacement window configuration shall be appropriate to the architectural style of the subject building;
 - PartiallyThe configuration of the proposed windows will feature grids creating the
appearance of relatively square panes. The proposed windows are to be fixed.
Although precise details of the historic windows is not known, they are thought
to have been steel casement windows. The proposal will constitute a change in
operation.

- 6. Proportions. The replacement window shall have the same visual qualities of the historic window, where commercially reasonable:
 - a. Muntins and mullions. Where provided, muntins and mullions shall have the same dimensions and profile of the historic muntins and mullions.
 - b. Stiles. For hung windows, stiles shall align vertically and be the same width at the upper and lower sashes.
 - c. Top, meeting and bottom rails, and blind stop. The top, meeting and bottom rails of a hung window, including the corresponding blind stop, shall have the same dimensions and profile of the historic window.

Consistent

7. Finish. The finished surface and appearance shall match the historic window, where practicable.

Inconsistent The proposal states that the replacement windows will be aluminum with bronze finish. The historic windows appear to have been painted steel.

Summary of Findings

Staff evaluation yields a finding of the following criteria being met by the proposed project:

- General Criteria for Granting Certificates of Appropriateness: 5 of 5 relevant criteria met.
- Additional Guidelines for Alterations: 7 of 7 relevant criteria fully or partially met.
- Additional Guidelines for Window Replacement: 6 of 7 criteria fully or partially met.

Staff Recommendation and Conditions of Approval

Based on a determination of general consistency with Chapter 16, City Code of Ordinances, staff recommends that the Community Planning and Preservation Commission **approve with conditions** the Certificate of Appropriateness request for the proposed alterations at Sunken Gardens. Staff recommends the following conditions:

- A window conditions assessment be submitted to staff when the infill at the historic window openings is removed. If restoration of any or all of the existing historic windows is feasible, they will be retained and restored. If the historic windows are beyond repair, replacement windows will be installed as proposed. They will be recessed in the wall plane approximately 2 to 3 inches and feature exterior, three-dimensional muntins.
- 2. Pathways replacing the historic primary circulation route running to the north of the Entrance Building and Orchid Garden will feature a multicolored, "fish scale" pattern to reference the historic path.
- 3. New pavement surrounding the Entrance Building and Orchid Garden will feature a terra cotta "fish scale" pattern to provide differentiation from the historic path.
- 4. All other necessary permits shall be obtained. Any additional work shall be presented to staff for determination of the necessity of additional COA approval.
- 5. This approval will be valid for 24 months beginning on the date of revocation of the local Emergency Declaration.

Appendix A:

Application No. 20-90200120 and Submittals



CERTIFICATE OF APPROPRIATENESS

APPLICATION

All applications are to be filled out completely and correctly. The application shall be submitted to the City of St. Petersburg's Planning and Development Services Department, located on the 8th floor of the Municipal Services Building, One Fourth Street North, St. Petersburg, Florida. Laura Duvekot, Historic Preservationist II, (727) 892-5451 or Laura.Duvekot@stpete.org

GENERAL INFORMATION

1825 4th street north	St. Petersburg, FL	
Property Address Sunken Gardens	Parcel Identification No.	
Historic District / Landmark City of St. Petersburg	Corresponding Permit Nos. 727-551-3148	
Owner's Name 1825 4th street north	Property Owner's Daytime Phone No dwayne.biggs@stpete.org	
Owner's Address, City, Stat Dwayne Biggs, Sunke	Owner's Email 850-775-6779	
Authorized Representative 1825 4th street north	Representative's Daytime Phone No. dwayne.biggs@stpete.org	
Owner's Address, City, Stat	Representative's Email	
APPLICATION T	YPE (Check applicable)	TYPE OF WORK (Check applicable)
Addition	Repair Only	

ALLEIGATION		oncon applicable)	
Addition		Window Replacement	Repair Only
New Construction	~	Door Replacement	In-Kind Replacement
Demolition		Roof Replacement	New Installation
Relocation		Mechanical (e.g. solar)	Other:
Other: Animal exhibits	modifi	cations doors replacement	
	Addition New Construction Demolition Relocation	Addition New Construction Demolition Relocation	New Construction Door ReplacementRoof Replacement

AUTHORIZATION

By signing this application, the applicant affirms that all information contained within this application packet has been read and that the information on this application represents an accurate description of the proposed work. The applicant certifies that the project described in this application, as detailed by the plans and specifications enclosed, will be constructed in exact accordance with aforesaid plans and specifications. Further, the applicant agrees to conform to all conditions of approval. It is understood that approval of this application by the Community Planning and Preservation Commission in no way constitutes approval of a building permit or other required City permit approvals. Filing an application does not guarantee approval.

NOTES: 1) It is incumbent upon the applicant to submit correct information. Any misleading, deceptive, incomplete or incorrect information may invalidate your approval.

2) To accept an agent's signature, a notarized letter of authorization from the property owner must accompany the application.

Signature of Owner:

Date: 10/22/2020

Signature of Representative:



CERTIFICATE OF APPROPRIATENESS

APPLICATION

COA

All applications are to be filled out completely and correctly. The application shall be submitted to the City of St. Petersburg's Planning and Development Services Department by emailing directly to Historic Preservationists Laura Duvekot (Laura.Duvekot@stpete.org) or Kelly Perkins (Kelly.Perkins@stpete.org).

PROPOSED SCOPE OF WORK

Please provide a detailed description of the proposed work, organized according to the COA Matrix. Include information such as materials, location, square footage, etc. as applicable. Attach supplementary material as needed.

Building or Site Feature	Photo No.	Proposed Work
Sunken Gardens Animal Exhibits	1	Animal exhibit doors are in need of repairs and replacement. Doors do not meet standards and guidelines for safe access and transfer of animal collection.
	2	New door openings will be cut into gunite and repairs made to exhibit rock work and rebar structures. Existing doors will be resized to 36"x84" and new stainless steal doors and frames installed.
	55	

Laura Duvekot

From: Sent: –	Lauren Kleinfeld Monday, October 5, 2020 4:36 PM
To:	Laura Duvekot
Cc:	Dwayne Biggs; Patrick Green; Jennifer Tyson
Subject:	COA Sunken Gardens - Scope of Work Outline
Follow Up Flag:	Follow up
Flag Status:	Completed

Good afternoon Laura –

Thank you for visiting with us at Sunken Gardens and touring the site for the 1940's Building Renovation Project, soon to be History Center.

We are working on the COA for the future History Center Renovations.....

- 1. Do City Departments pay an Application Fee and if so, which one do you think applies to our project?
- 2. Did you say you thought the Turner House part of the project does not need a COA as it is not included in the "Historic" part of Sunken Gardens and it just needs a Commercial Zoning Review?
- 3. Would it be acceptable to attach the below Scope of Work information that we received from the architects to the application page marked PROPOSED SCOPE OF WORK as it does say to "Attach supplementary material as needed" rather then filling in on the actual application?

As always, thank you for your assistance and direction.

-Lauren

Lauren Kleinfeld, Manager Sunken Gardens 727.434.9883 mobile

Please see scope of work outline below:

Building 'A' – Museum

- Exterior Demolition Work to include:
 - Removing site walls surrounding the original building.
 - Removing metal roofing with wood framing that was not part of the original construction.
 - \circ $\;$ Cut slab to south of building which was not part of original construction.
 - Patch and repair exterior walls where demo has occurred/cause damage.
 - \circ $\;$ Remove portion of site wall to the south of building.
- Interior Demolition Work to include:
 - Replace doors and windows
 - o Remove HVAC wall unit.
 - Relocate and replace electrical panel with new as required by code.
 - Open walls where original windows were closed in.
 - Flooring VCT finish to be removed.
 - Trench floor for new floor box power supply.
 - Open original archways at south entrance where they were closed up.
- Exterior New Work to include:

- New site wall to the southwest for vending machines and division between employee-area and public area.
- New site wall where portion was removed. New to match low wall on West side of the gardens near the parking lot with alum fencing above to give sight-lines back to original renovated entrance.
- Refresh paint on exterior.
- Paint "Sunken Gardens" lettering over entrance to match original signage.
- New patio lighting and spot lighting on entrance.
- New paving on south patio per civil drawings for required water drainage.
- Interior New Work to include:
 - Build out interior walls for insulation/acoustical value/blocking in wall for future exhibit requirements.
 - New power throughout.
 - New HVAC throughout.
 - New finishes throughout.
 - New windows to match original grille layout but material will need to be aluminum or vinyl to meet code requirements.
 - New doors to be French-style 12-lite doors to match similar grille layout as windows.
 - New lighting throughout.

Building 'B' – Restroom/Nursing Room

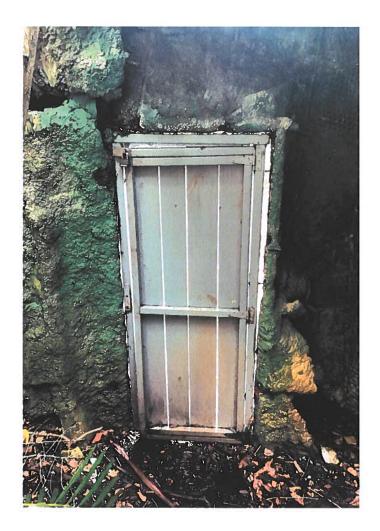
- Demolition Work to include:
 - Remove portion of site wall on south side as this is currently not a structural wall and has significant damage/cracking.
 - Removing shingle roofing and roof framing.
 - Remove framed walls above CMU walls.
 - Patch and repair exterior CMU walls where demo has occurred/cause damage.
 - Remove door and infill where removed on the East side of building.
 - Remove door on West side of building to be relocated on wall and replaced.
 - Remove window on East side of building and demo wall for new door opening.
 - Remove window on West wide of building to be replaced.
 - Trench floor as required for new plumbing.
- New Work to include:
 - New site wall where portion was removed. New wall to include alum fencing above continued from Garden scope of work.
 - Refresh paint on exterior.
 - New wall framing above existing CMU walls.
 - New Mission Barrel clay tile roofing to match Building 'A'.
 - New raised slab on interior to accommodate for Garden scope of work.
 - Build out interior walls for insulation/acoustical value/blocking in wall for plumbing lines and fixtures.
 - New power throughout.
 - New plumbing throughout.
 - New finishes throughout.
 - New window on East side replace old window.
 - New HM painted doors on West side of building.
 - New HVAC throughout.
 - New lighting throughout.

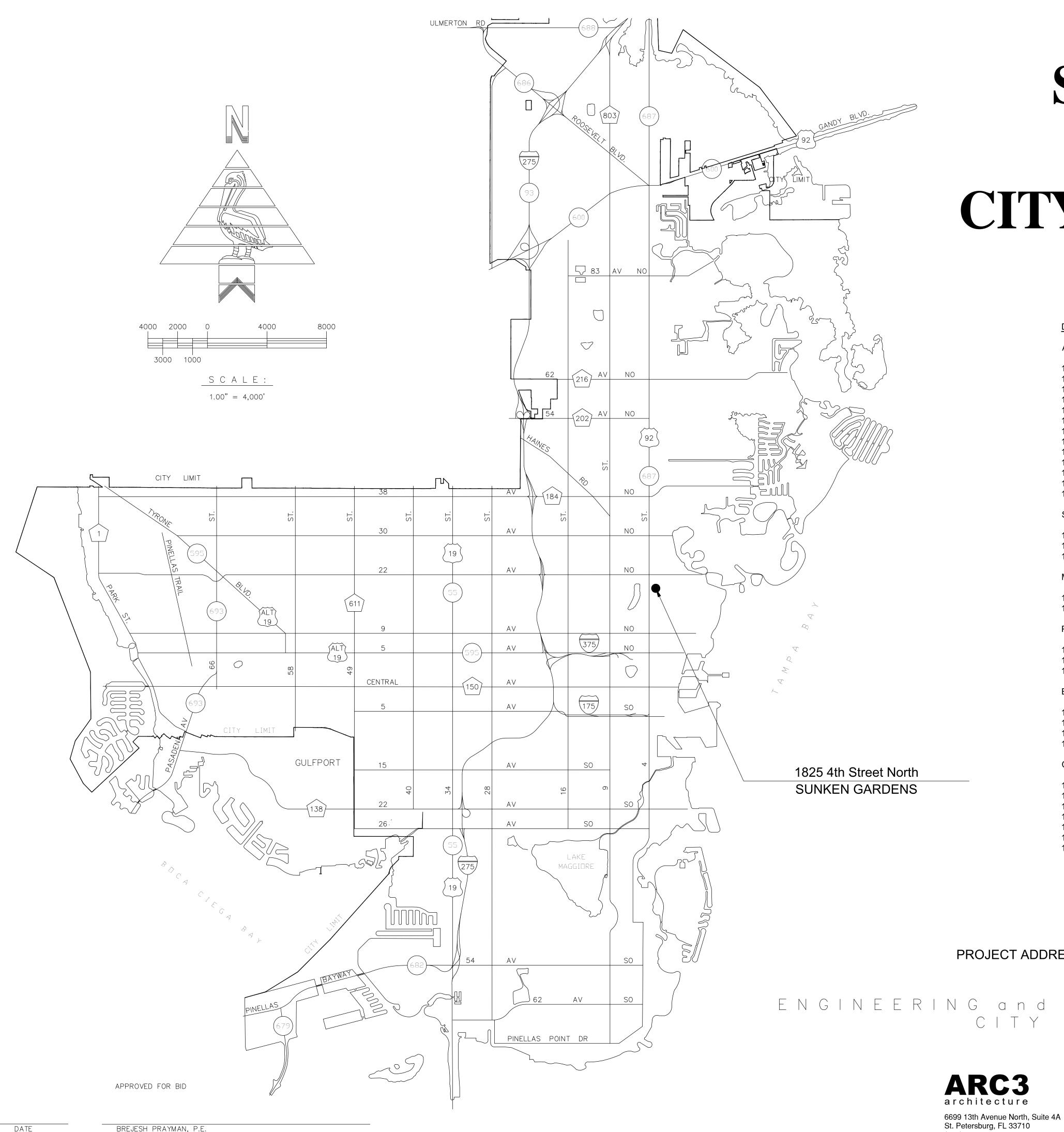
Orchid Garden

• Demolition Work to include:

- Removal of walkways as shown on civil drawings. This is to redirect storm water away from buildings – to keep the original Building 'A' intact with minimal demolition work to the building itself.
- Chainlink fencing above existing site walls to be removed.
- Portions of site walls to be removed and rebuilt as indicated under Building 'A' and 'B' scopes of work.
- Landscaping to be coordinated directly by the Sunken Gardens staff.
- New Work to include:
 - New paving for redirected storm water and ADA slope requirements.
 - New landscaping as coordinated directly by Sunken Gardens staff.
 - New aluminum fencing above site walls to match the existing aluminum fencing along the West side of the gardens near the parking lot – tying directly into the same alum fencing as outlined under Building 'A' and 'B' scope of work.
 - New aluminum frame with wood slat arbor design for added shade in garden and to allow for planting to be hung for a 'green' wall.







SUNKEN GARDENS RENOVATION **CITY OF ST. PETERSBURG PROJECT NO. 19219-019**

DRAWING INDEX

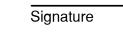
DRAWING INDEX	
ARCHITECTURAL	-
19219-4 19219-5 19219-6 19219-7 19219-8 19219-9 19219-10 19219-11	A000 A001 A002 A003 A101 A102 A103 A104 A201 A201 A202 A401 A501 A601
STRUCTURAL	
19219-14 19219-15 19219-16	S100 S101 S200
MECHANICAL	
19219-17 19219-18	M000 M100
PLUMBING	
19219-19 19219-20 19219-21	P000 P100 P200
ELECTRICAL	
19219-22 19219-23 19219-24 19219-25	E000 E100 E101 E201
CIVIL	
19219-26 19219-27 19219-28 19219-29 19219-30 19219-31 19219-32	C1 C2 C3 C4 C5 C6 C7

PROJECT ADDRESS: 1825 4TH STREET NORTH, ST. PETERSBURG FLORIDA 33704

ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG, FL.

Firm Registration Steven J. Vinci, AIA

(727) 381-5220 (727) 381-0052 fax



COVER SHEET SITE PLAN & PROJECT NOTES ARCHITECTURAL SITE PLAN SITE DETAILS & RENDERINGS **DEMOLITION & RENOVATION FLOOR PLANS DEMOLITION & RENOVATION REFLECTED CEILING PLANS** DEMOLITION & RENOVATION ROOF PLANS FF&E AND FINISH FLOOR PLANS **DEMOLITION & RENOVATION EXTERIOR ELEVATIONS - MUSEUM DEMOLITION & RENOVATION EXTERIOR ELEVATIONS AND SECTION - RESTROOM** INTERIOR ELEVATIONS DETAILS **SCHEDULES**

STRUCTURAL NOTES FOUNDATION AND ROOF FRAMING PLANS SECTIONS AND DETAILS

MECHANICAL NOTES & SCHEDULES **MECHANICAL RENOVATION FLOOR PLANS & DETAILS**

PLUMBING COVER SHEET PLUMBING RENOVATION FLOOR PLANS PLUMBING DETAILS & SCHEDULES

ELECTRICAL COVER SHEET ELECTRICAL PLAN LOAD SUMMARY AND POWER RISER SHEET ELECTRICAL SPECIFICATIONS

GENERAL NOTES & SPECIFICATIONS EXISTING CONDITIONS / DEMOLITION PLAN SITE PLAN **GRADING & DRAINAGE PLAN** CIVIL DETAILS UTILITY PLAN UTILITY DETAILS

AA-26000510 AR-0017036 COPY No.

DATE:

August 12th, 2020

DRAWING No. 19219-1 A000 COVER SHEET

Date



WINDOWS

FIXED

PGT INDUSTRIES

DESIGNED BY: KT DRAWN BY: KT CHECKED BY: RB MUSEUM, ARBOR, AND RESTROOMS 100% CONSTRUCTION DOCUMENTS

	APPROVAL NUMBER		DATE AF	PPROVED		4. THE
	FL2019.1-R12		09/14/2	2018		OF BAF PRC
	FL12400.3-R10		2/18/20	020		ENT
	FL253.6-R20		2/12/20	020		5. THE ALL FRC
	FL243.6-R22		2/28/2	020		SHA STR
	1					
	DATE: 8/12/20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS	
	DATE: 8/12/20 DATE: 8/10/20				CITY OF ST. PETERSBURG	(and the second se
	DATE. 0/10/20				CONSTRUCTION DOCUMENTS	
стг					CITY PROJECT NO. 19219-019	APPROVED BY:

ARC3 PROJECT NO. 18012.01

PROJECT CRITE BUILDING (A): FURRED WALLS,

CLASSIFICATION TYPE OF CONS TYPE OF RENOV

ALLOWABLE HEI GROUP A-3

_____ STORIES HEIGHT AREA

FIRE-RESISTAN BUILDING ELEME STRUCTURAL F BEARING WALLS EXTERIOR

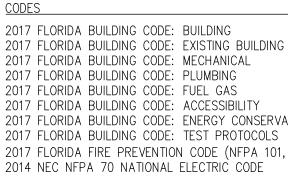
INTERIOR NONBEARING W INTERIOR FLOOR CONSTRU ROOF CONSTRU

OCCUPANT LOA ASSEMBLY (GRO 572 SF / 30 M

EGRESS REQUIR

EGRESS COMPO MIN EXITS PER EXIT ACCESS T

<u>PLUMBING FIXTU</u> OCCUPANY LOA



- PROJECT.

PLAN REVIEW DATA - BLDG A

PLAN REVIEW DATA - BLDG B

THE SCOPE OF THE PROJECT INCLUDES RENOVATION OF A 572 SF BUILDING (A), A 188 SF BUILDING (B), AND THE ADDITION OF AN ARBOR IN THE GARDEN.

<u> RIA – 2017 FLORIDA</u>	<u>a building code — i</u>	EXISTING BUILDING	PROJECT CRITERIA – 2017 FLORIDA BUILDING CODE – EXISTING BUILDING BUILDING (B): 188 SF, WILL INCLUDE NEW ELECTRICAL, PLUMBING, HVAC, SITE WALLS, ROOF, INTERIOR FURRED WALLS, FIXTURES, AND FINISHES.				
572 SF, WILL INCLUE	DE NEW ELECTRICAL,	HVAC, SITE WALLS, INTERIOR					
, FIXTURES AND FINI	SHES.						
BY OCCUPANCY:	ASSEMBLY (GROU	P A-3)	CLASSIFICATION BY OCCUPANCY:	BUSINESS (GROU	Р В)		
TRUCTION:	V (B) UNSF	PRINKELED	TYPE OF CONSTRUCTION:	V (B) UNS	PRINKELED		
VATION:	ALTERATION LEVE	L 3 (CHAPTER 6)	TYPE OF RENOVATION:	ALTERATION LEVE	EL 3 (CHAPTER 6)		
IGHT AND BUILDING	AREA PER FBC CHAF		ALLOWABLE HEIGHT AND BUILDING				
	CONSTRUCTION T		GROUP B	CONSTRUCTION T			
	ALLOWABLE	EXISTING TO REMAIN		ALLOWABLE	PROVIDED		
	1	1	STORIES	2	1		
	40'-0"	11'-6"	HEIGHT	40'-0"	12'-5"		
	6,000 SF	572 SF	AREA	9,000 SF	188 SF		
CE RATING REQUIREN	MENTS FOR BLDG ELE	MENTS PER FBC CHAPTER 6	FIRE-RESISTANCE RATING REQUIREN	IENTS FOR BLDG EL	EMENTS PER FBC CHAPTER 6		
ENT	HOURS		BUILDING ELEMENT	HOURS			
RAME	0		STRUCTURAL FRAME	0			
5			BEARING WALLS				
२	0		EXTERIOR	0			
	0		INTERIOR	0			
ALLS			NONBEARING WALLS				
	0		INTERIOR	0			
UCTION	0		FLOOR CONSTRUCTION	0			
ICTION	0		ROOF CONSTRUCTION	0			
AD PER FBC CHAPTE	R 10		OCCUPANT LOAD PER FBC CHAPTE	R 10			
OUP A-3)	SF F	PER OCCUPANT = 30 NET	BUSINESS (GROUP B)	SF PER OG	CCUPANT = 100 GROSS		
NET = 19 OCCUPAN	TS		188 SF / 100 GROSS = 2 OCCUPA	NTS			
REMENTS PER FBC C	HAPTER 10		EGRESS REQUIREMENTS PER FBC C	HAPTER 10			
DNENT	REQ/MAX	PROVIDED	EGRESS COMPONENT	REQ/MAX	PROVIDED		
OCCUPANT LOAD	1	2	MIN EXITS PER OCCUPANT LOAD	1	2		
RAVEL DISTANCE	75'-0"	25'-0"	EXIT ACCESS TRAVEL DISTANCE	100'-0"	0'-0"		
URES PER FBC EXIS	TING BUILDING CHAP	8 SECTION 810 PLUMBING	<u>PLUMBING FIXTURES PER FBC EXIS</u>	TING BUILDING CHAP	8 SECTION 810 PLUMBING		
AD HAS NOT INCREAS	SED BY 20%.		OCCUPANY LOAD HAS NOT INCREAS	SED BY 20%.			

WIND LOAD DATA PER FBC CHAPTER 16 ULTIMATE DESIGN WIND SPEED = 145 MPH WIND RISK CATEGORY = II WIND EXPOSURE = C

- 2017 FLORIDA BUILDING CODE: MECHANICAL 2017 FLORIDA BUILDING CODE: PLUMBING
- 2017 FLORIDA BUILDING CODE: FUEL GAS
- 2017 FLORIDA BUILDING CODE: ACCESSIBILITY
- 2017 FLORIDA BUILDING CODE: ENERGY CONSERVATION
- 2017 FLORIDA BUILDING CODE: TEST PROTOCOLS
- 2017 FLORIDA FIRE PREVENTION CODE (NFPA 101, NFPA 1, FL 44 RULES, FSS 633) 2014 NEC NFPA 70 NATIONAL ELECTRIC CODE

GENERAL NOTES

ALL WORK LISTED, SHOWN OR IMPLIED ON ANY OF THE CONTRACT DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR EXCEPT WHERE NOTED. THE CONTRACTOR SHALL CLOSELY COORDINATE WORK WITH THAT OF OTHER SUBCONTRACTORS OR VENDORS TO ASSURE THAT ALL SCHEDULES ARE MET AND ALL WORK IS DONE IN CONFORMANCE WITH THE MANUFACTURERS REQUIREMENTS OF GOVERNING AUTHORITIES HAVING JURISDICTION OVER THE

CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS AND COORDINATION OF ALL WORK TO ENSURE COMPLETE COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS. REPORT ANY DISCREPANCIES OR POTENTIAL PROBLEMS TO THE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH WORK. FAILURE TO DO SO SHALL CONSTITUTE ACCEPTANCE OF EXISTING CONDITIONS. IN THE EVENT THAT THERE ARE DISCREPANCIES OR AMBIGUITIES IN, OR OMISSIONS FROM, THE DRAWINGS OR SPECIFICATIONS, OR SHOULD THERE BE DOUBT AS TO THEIR MEANING AND INTENT, THE ARCHITECT SHALL BE NOTIFIED TO PROVIDE A WRITTEN CLARIFICATION.

3. ALL WORK UNDER THE CONTRACT IS TO BE PERFORMED TO PROVIDE A COMPLETE AND FINISHED PRODUCT, AND SHALL BE WARRANTIED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE AGAINST ANY DEFECTS OR DEFICIENCIES.

E CONTRACTOR IS SOLELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, LUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE EXECUTION WORK. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY RRIERS, LIGHTING, COVERINGS, FIRE PROTECTION AND OTHER EQUIPMENT TO OTECT THE SAFETY OF ALL PERSONS AND THE PROPERTY THROUGHOUT THE TIRE PERIOD OF CONSTRUCTION.

E CONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF . WORK FROM DAMAGE AND SHALL PROTECT THE ADJACENT PROPERTIES OM INJURY OR LOSS ARISING IN CONNECTION WITH WORK. EXTREME CARE IALL BE EXERCISED TO PREVENT DAMAGE TO NEW AND EXISTING EQUIPMENT, RUCTURES AND SERVICES.

ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG



6. THE CONTRACTOR SHALL MAINTAIN THE SITE IN GOOD, CLEAN CONDITION AND SHALL BE RESPONSIBLE FOR CONTINUOUS CLEAN UP OF ALL DEBRIS.

- 7. THE DESIGN, ADEQUACY AND SAFETY OF ERECTING ANY BRACING, SHORING OR TEMPORARY SUPPORTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE APPLICATION OF FINISH MATERIALS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, PROCEDURES AND SEQUENCES OF THE PROJECT.
- 8. THE CONTRACTOR SHALL RETAIN A CURRENT AND COMPLETE SET OF THE CONTRACT DOCUMENTS AT THE JOBSITE DURING ALL PHASES OF THE WORK. ALL REVISIONS SHALL BE RECORDED BY THE CONTRACTOR TO ESTABLISH A RECORD SET OF DOCUMENTS FOR THE PROJECT.

9. FBC SECTION 110.3.4 TERMITES. BUILDING COMPONENTS AND BUILDING SURROUNDINGS REQUIRED TO BE PROTECTED FROM TERMITE DAMAGE IN ACCORDANCE WITH SECTION 1503.7, SECTION 2304.13 OR SECTION 2304.11.6, SPECIFICALLY REQUIRED TO BE INSPECTED FOR TERMITES IN ACCORDANCE WITH SECTION 2114, OR REQUIRED TO HAVE CHEMICAL SOIL TREATMENT IN ACCORDANCE WITH SECTION 1816 SHALL NOT BE COVERED OR CONCEALED UNTIL THE RELEASE FROM THE BUILDING OFFICIAL HAS BEEN RECEIVED.

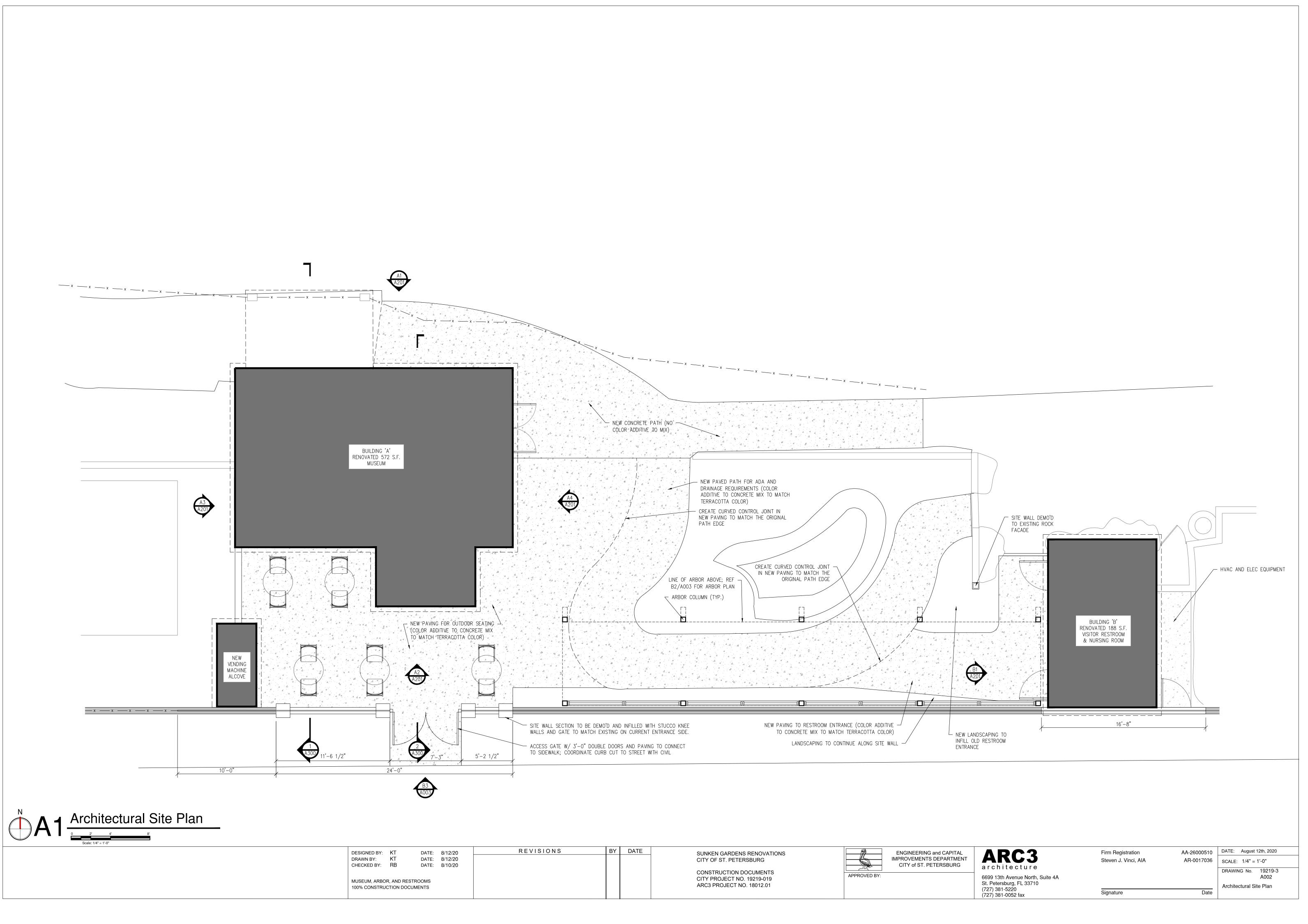
Firm Registration Steven J. Vinci, AIA AA-26000510

AR-0017036 | SCALE: N.T.S. DRAWING No. 19219-2 A001

DATE: August 12th, 2020

Signature

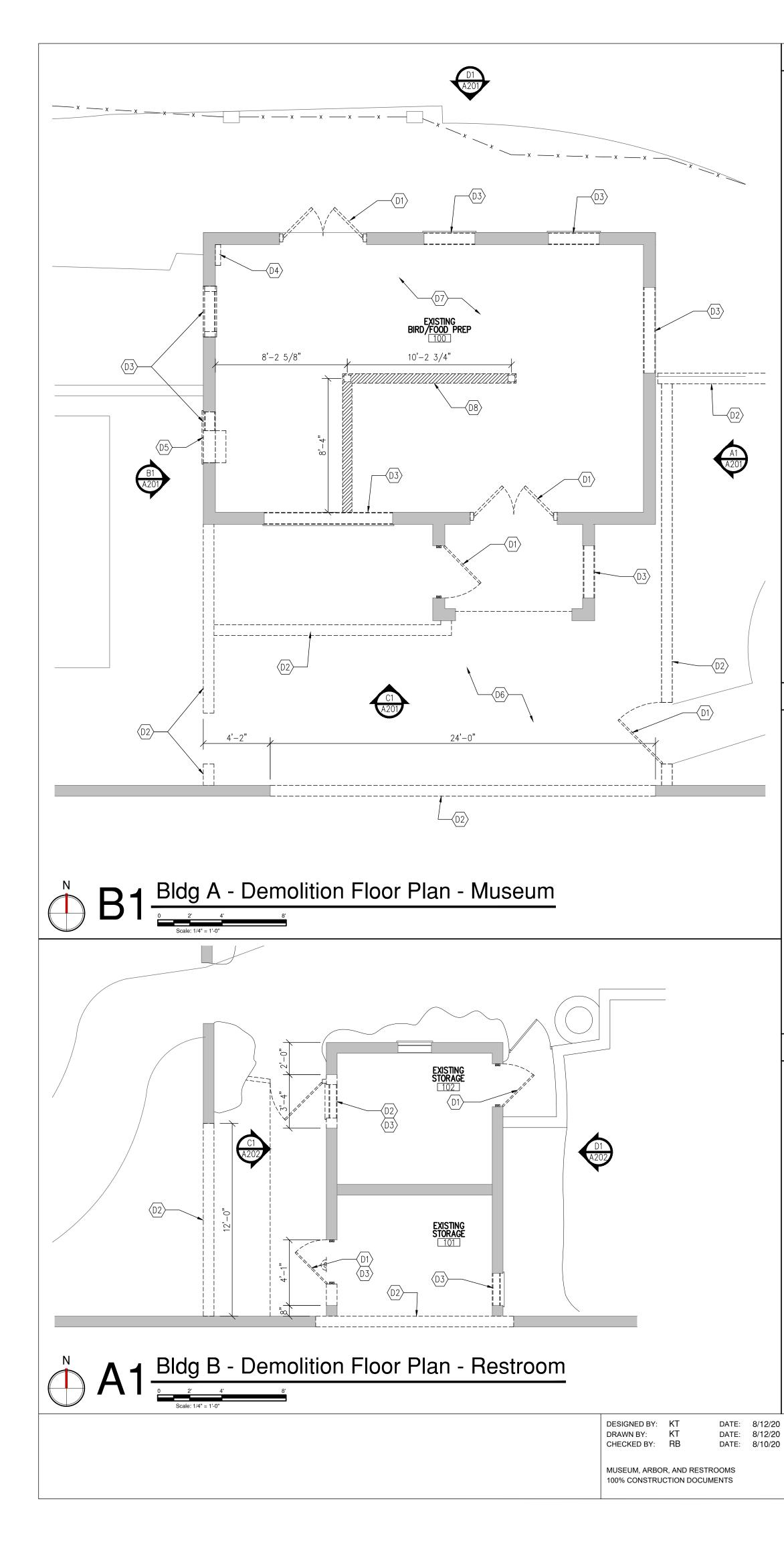
Date Site Plan & Project Notes



DATE:	8/12/20	REVISIONS	ΒY	DATE	
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DATE:	8/12/20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS	M	
DATE:	8/12/20				CITY OF ST. PETERSBURG		IM
DATE:	8/10/20				CONSTRUCTION DOCUMENTS		
STROOMS CUMENTS					CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	APPROVED BY:	



GENERAL DEMOLITION NOTES

- 1. THE DEMOLITION DRAWINGS HAVE BEEN DEVELOPED FROM SITE INVESTIGATION AND EXISTING DRAWINGS AND THEY MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THESE DRAWINGS WITH EXISTING FIELD CONDITIONS; AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.
- 2. SPECIFIC DEMOLITION ITEMS IDENTIFIED BY KEYNOTES REPRESENT MAJOR ITEMS AND ARE NOT TO BE CONSTRUED TO REPRESENT THE FULL SCOPE OF REQUIRED DEMOLITION.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE FULL EXTENT OF MISCELLANEOUS DEMOLITION NECESSARY FOR COMPLETE REMOVAL OF ALL IMPROVEMENTS LISTED NECESSARY TO PROVIDE A CLEAN SUBSTRATE FOR RE-ROOFING.
- 4. GENERAL CONTRACTOR AND SUB-CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES AND THEIR CODES AND REGULATIONS FOR NEW CONSTRUCTION AND DEMOLITION WORK.
- 5. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF ANY WORK INDICATED IN THE CONSTRUCTION DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.
- 6. THE CONTRACTOR SHALL BRACE ALL EXISTING STRUCTURES AND ALL STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
- THE CONTRACTOR SHALL NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL STRUCTURAL CUTS PRIOR TO EXECUTION SO THAT APPROVAL CAN BE OBTAINED FROM THE ARCHITECT AND STRUCTURAL ENGINEER.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR ALL RUBBLE AND DEBRIS CAUSED BY DEMOLITION TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A PROPER MANNER.
- 9. CONTACT OWNER IF ANY FOREIGN CONSTRUCTION BUILDING MATERIALS ARE UNCOVERED DURING DEMOLITION.

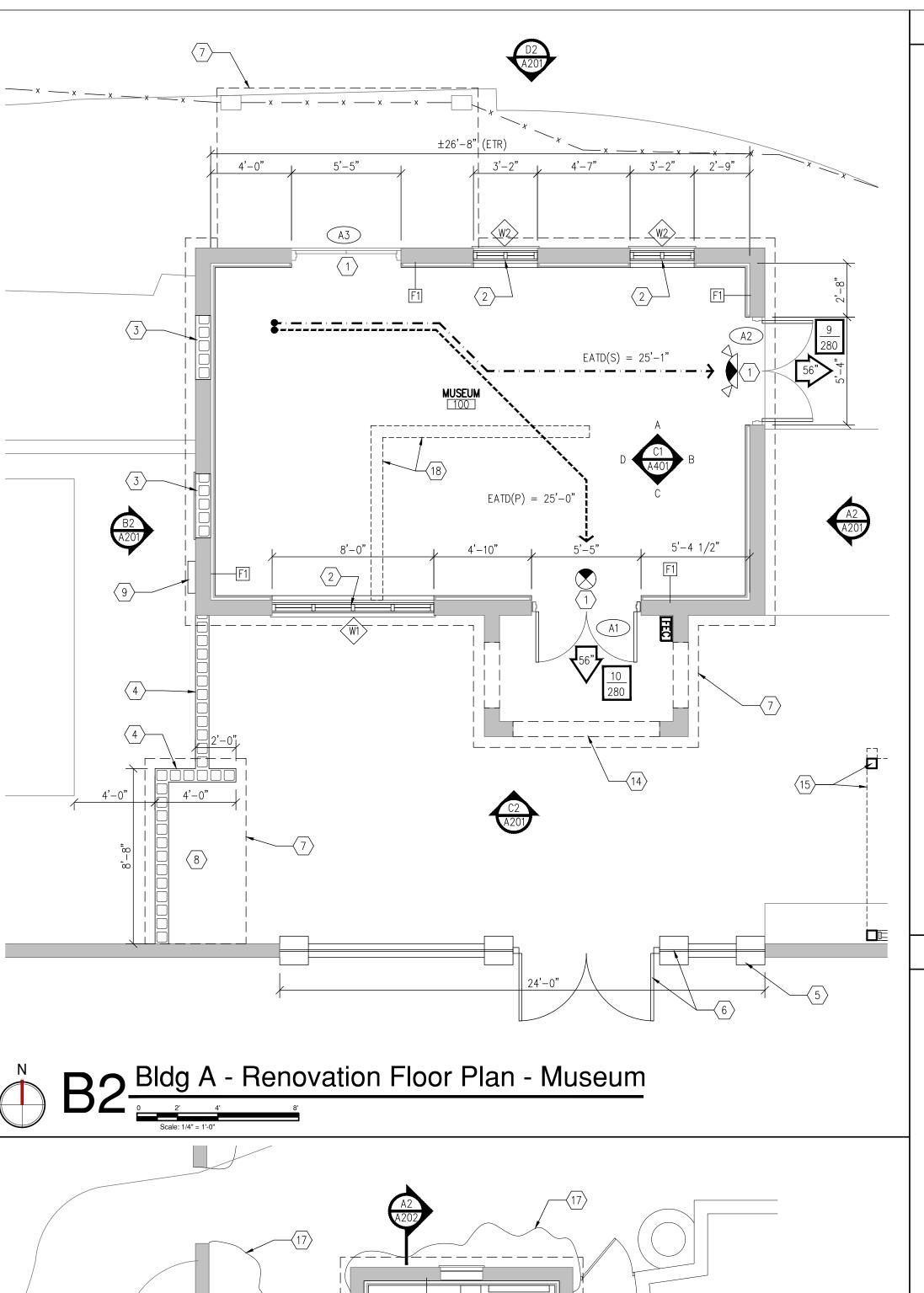
KEYED DEMOLITION NOTES

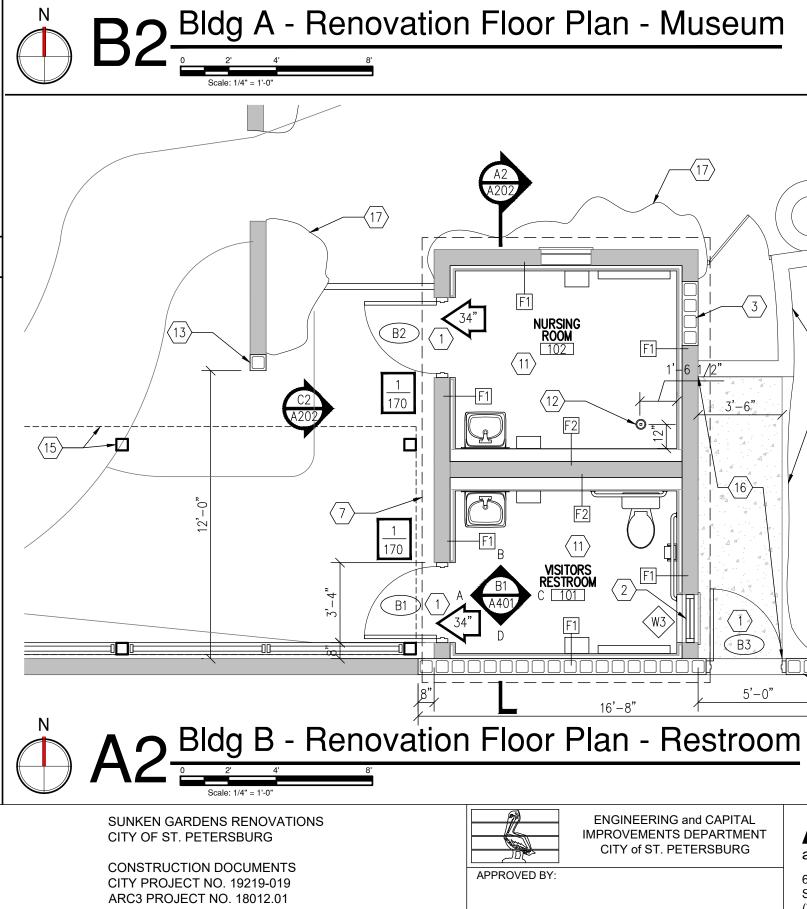
- $\langle D1 \rangle$ demolish door(s), door hardware, and frame(s)
- (D2) DEMOLISH WALL
- D3 REMOVE INFILL FROM EXISTING ORIGINAL WINDOW OR DOOR OPENINGS
- $\left< D5 \right>$ REMOVE AIR CONDITIONING UNIT
- D6 EXTERIOR CONCRETE SLAB TO BE CUT OUT AND GRADE LEVELED FOR FUTURE SLAB TO MATCH EXISTING INTERIOR BUILDING FLOOR ELEVATION; REFERENCE CIVIL DRAWINGS
- $\langle D7 \rangle$ REMOVE ALL VCT FLOORING AND ADHESIVE
- $\langle D8 \rangle$ TRENCH FOR POWER TO NEW ELECTRICAL FLOOR BOXES

LIFE SAFETY LEGEND EXIT CLEAR OPENING WIDTH EXIT SIGN EMERGENCY EXIT LIGHT/SIGN FECL FIRE EXTINGUISHER CABINET EATD(P) = XX'-X"•----- TRAVEL DISTANCE TO EXIT – PRIMARY EATD(S) = XX'-X''TRAVEL DISTANCE TO EXIT – SECONDARY - NUMBER OF OCCUPANTS MOVING THROUGH EGRESS DOOR OR STAIR XXX 🚽 - MAX. NUMBER OF OCCUPANTS ALLOWED THROUGH EGRESS DOOR (0.2" PER OCCUPANT) OR STAIR AT (0.3" PER OCCUPANT)

REVISIONS

BY DATE





D2 A202 5'-0" 16'-8"

ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG



GENERAL RENOVATION SCOPE

NOTE: OUTLINE LISTS MAJOR SCOPE TASKS AND IS NOT INTENDED TO BE A COMPREHENSIVE LISTING OF ALL TASKS NECESSARY TO COMPLETE THE WORK.

- BUILDING 'A' INSTALLATION OF NEW INTERIOR FURRED WALLS Α.
- INSTALLATION OF NEW POWER/DATA B.
- REMOVAL AND REINSTALLATION OF ELECTRICAL PANEL, CONDUITS AND JUNCTION BOXES TO ACCOMMODATE DEMOLITION AND NEW CONSTRUCTION.
- INSTALLATION OF NEW FIXED WINDOWS TO MATCH ORIGINAL BUILDING WINDOW DESIGN.
- INSTALLATION OF NEW FRENCH-STYLE 12-LITE DOORS.
- INSTALLATION OF ALUMINUM FRAME ARBOR IN GARDEN. F.
- NEW PATIO TO BE LEVELED TO MATCH FLOOR LEVEL OF EXISTING BUILDING.
- H. INSTALLATION OF EXTERIOR LIGHTING
- NEW SITE WALL, FENCING AND GATES
- NEW SITE WALLS FOR VENDING MACHINE ALCOVE WITH NEW CLAY TILE ROOF
- K. INSTALLATION OF NEW INTERIOR LIGHTING, FANS, HVAC
- INSTALLATION OF NEW FINISHES THROUGHOUT L.

<u>BUILDING 'B'</u>

- INSTALLATION OF NEW SITE WALL
- INSTALLATION OF NEW FURRED INTERIOR WALLS
- INSTALLATION OF NEW PLUMBING FIXTURES AND ACCESSORIES С FOR ADA COMPLIANT RESTROOM
- INSTALLATION OF NEW FRAMED WALLS ABOVE EXISTING CMU D. WALLS
- INSTALLATION OF NEW CLAY TILE ROOF AND ROOF STRUCTURAL Ε.
- INSTALLATION OF NEW INTERIOR LIGHTING, FANS, HVAC F.
- INSTALLATION OF NEW FINISHES G.

INSTALLATION OF NEW ALUMINUM FRAME ARBOR WITH WOOD SLAT INFILL

- COLOR REMOVED FROM GARDEN PATH
- NEW CONCRETE POURED FOR PATIO AND NEW PATH TO C.
- D. LANDSCAPING REQUIREMENTS TO BE COMPLETED BY OWNER

KEYED RENOVATION NOTES

(1) INSTALL DOOR AS SCHEDULED

BUILDING 'B'

- $\langle 2 \rangle$ INSTALL FIXED WINDOW AS SCHEDULED
- 3 8" CMU WALL INFILL WITH STUCCO FINISH EXTERIOR TO MATCH EXISTING
- $\langle 4 \rangle$ 8" CMU SITE WALL WITH PAINT FINISH AS SCHEDULED
- 5 8" CMU SITE WALL AND PILASTERS WITH STUCCO FINISH TO MATCH BUILDING
- 6 ALUMINUM GATE AND DOORS (TO MATCH EXISTING SITE GATE); COORDINATE PRODUCT WITH CIVIL
- $\langle 7 \rangle$ OUTLINE OF ROOF ABOVE
- 8 NEW VENDING MACHINE ALCOVE; REF ELECTRICAL DWGS FOR
- POWER SUPPLY $\langle 9 \rangle$ RELOCATED ELECTRICAL PANEL
- $\langle 10 \rangle$ NEW MINI-SPLIT AC UNIT IN CEILING OVERHEAD $\langle 11 \rangle$ NEW ADA FIXTURES; REF FF&E PLAN
- $\langle 12 \rangle$ STUB UP SANITARY LINE FOR FUTURE TOILET
- (13) PROVIDE NEW CMU BLOCK END TO FINISH ENDS OF EXPOSED CMU WALL FROM DEMO WORK
- $\langle 14 \rangle$ NEW LETTERING PAINTED ON FACADE TO MATCH HISTORIC
- └─∕ ORIGINAL "SUNKEN GARDENS"
- $\langle 15 \rangle$ ARBOR OVERHEAD AND ARBOR COLUMN; REF ARCHITECTURAL SITE PLAN
- $\langle 16 \rangle$ NEW 4" CONCRETE PAD FOR MECHANICAL CONDENSING UNITS
- $\langle 17 \rangle$ EXISTING HISTORIC WALLS TO REMAIN
- (18) PATCH FLOOR WHERE TRENCHED FOR POWER PRIOR TO INSTALL OF NEW FLOORING

Firm Registration Steven J. Vinci, AIA

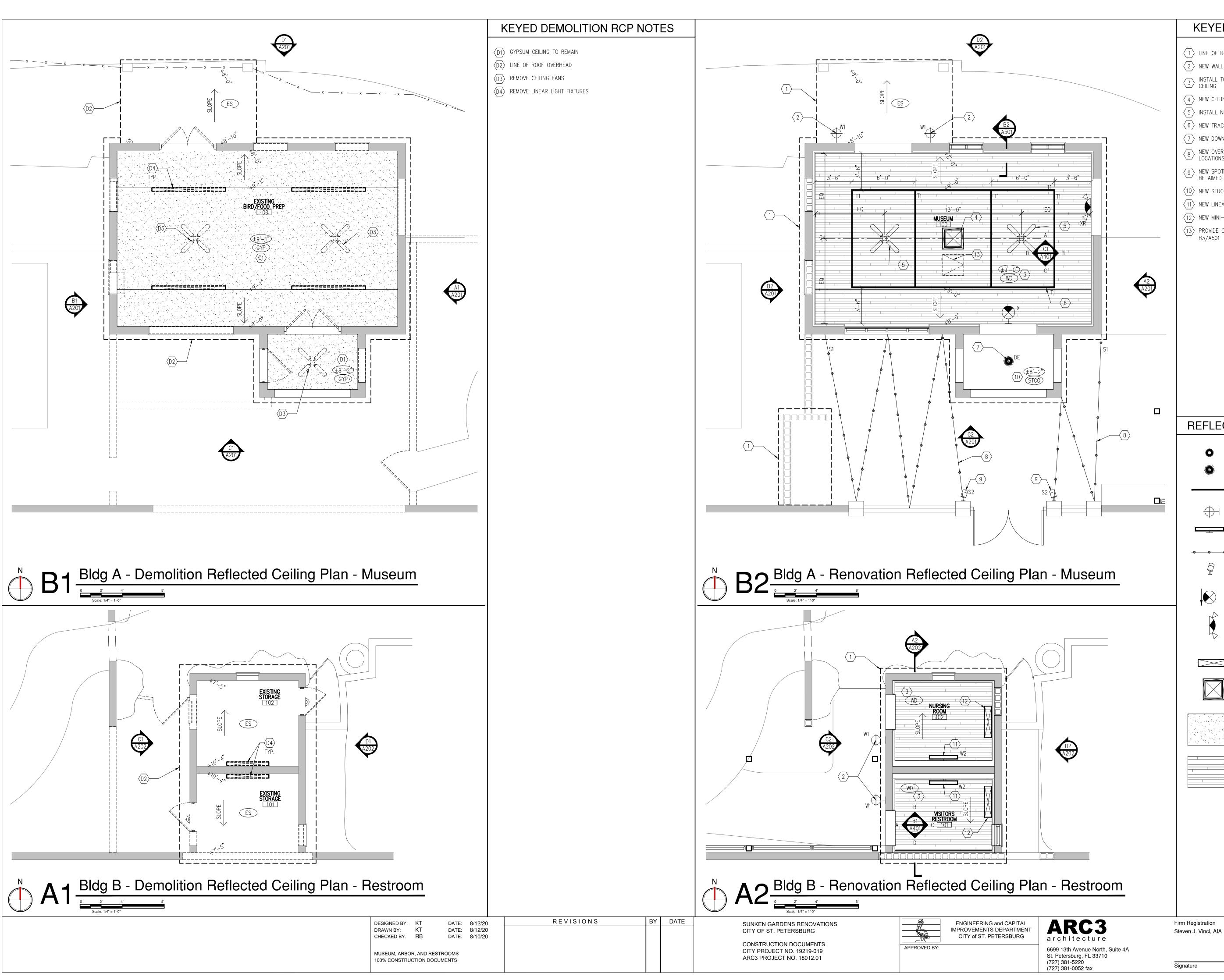
AA-26000510 AR-0017036

DATE: August 12th, 2020 SCALE: 1/4" = 1'-0" DRAWING No. 19219-5 A101

Demolition & Renovation

Signature

Date Floor Plans



KEYED RENOVATION RCP NOTES

 $\langle 1 \rangle$ line of roof overhead

- $\langle 2 \rangle$ NEW WALL SCONCES
- $\fbox{3}$ install tongue and groove wood plant over existing gyp ceiling
- $\langle 4 \rangle$ NEW CEILING CASSETTE HVAC SYSTEM
- $\overline{(5)}$ INSTALL NEW CEILING FAN
- $\langle 6 \rangle$ NEW TRACK LIGHTING
- $\langle 7 \rangle$ NEW DOWNLIGHT CAN FIXTURE, WET-LOCATION LISTED
- 8 NEW OVERHEAD STRING PATIO LIGHTS, G.C. TO COORDINATE INSTALL LOCATIONS WITH OWNER
- 9 NEW SPOTLIGHT FIXTURES MOUNTED ON GATE PILASTERS, LIGHT TO BE AIMED AT BUILDING ENTRANCE
- $\langle 10 \rangle$ NEW STUCCO FINISH CEILING TO MATCH EXTERIOR IN ENTRYWAY
- $\langle 11 \rangle$ NEW LINEAR WALL MOUNT LIGHT FIXTURE
- $\langle 12 \rangle$ NEW MINI-SPLIT HVAC SYSTEM
- $\langle 13 \rangle$ provide concealed access panel in ceiling; ref detail

REFLECTED CEILING PLAN LEGEND

0	D	6" DIAMETER LED DOWN LIGHT, WET LOCATION LISTED
	DE	SAME AS TYPE 'D', EXCEPT W/ EMERGENCY BATTERY PACK
	T1	TRACK LIGHT, WAC LIGHTING 22W EXTERMINATOR II – MODEL #1023 LED –BRUSHED NICKEL
\bigcirc +	W1	LED WALL LIGHT
	W2	4' LED LINEAR WALL LIGHT
0 0 0	S1	STRING OVERHEAD PATIO LIGHTS, EXTERIOR, WET LOCATION LISTED
Î	S2	SPOT LIGHTING WALL-MOUNT, EXTERIOR, WET LOCATION LISTED
	Х	LED EXIT SIGN W/ BATTERY BACKUP
	XR	COMBO TWIN HEAD EMERGENCY LIGHT / LED EXIT SIGN W/ BATTERY BACKUP W/ REMOTE TWIN HEAD
]	HVAC MINI-SPLIT WALL-MOUNT
		HVAC CEILING CASSETTE
		GYPSUM CEILING
		TONGUE—AND—GROOVE WOOD PLANK CEILING
egistration		AA-26000510 DATE: August 12th, 2020
J. Vinci, AIA		AR-0017036 SCALE: 1/4" = 1'-0"

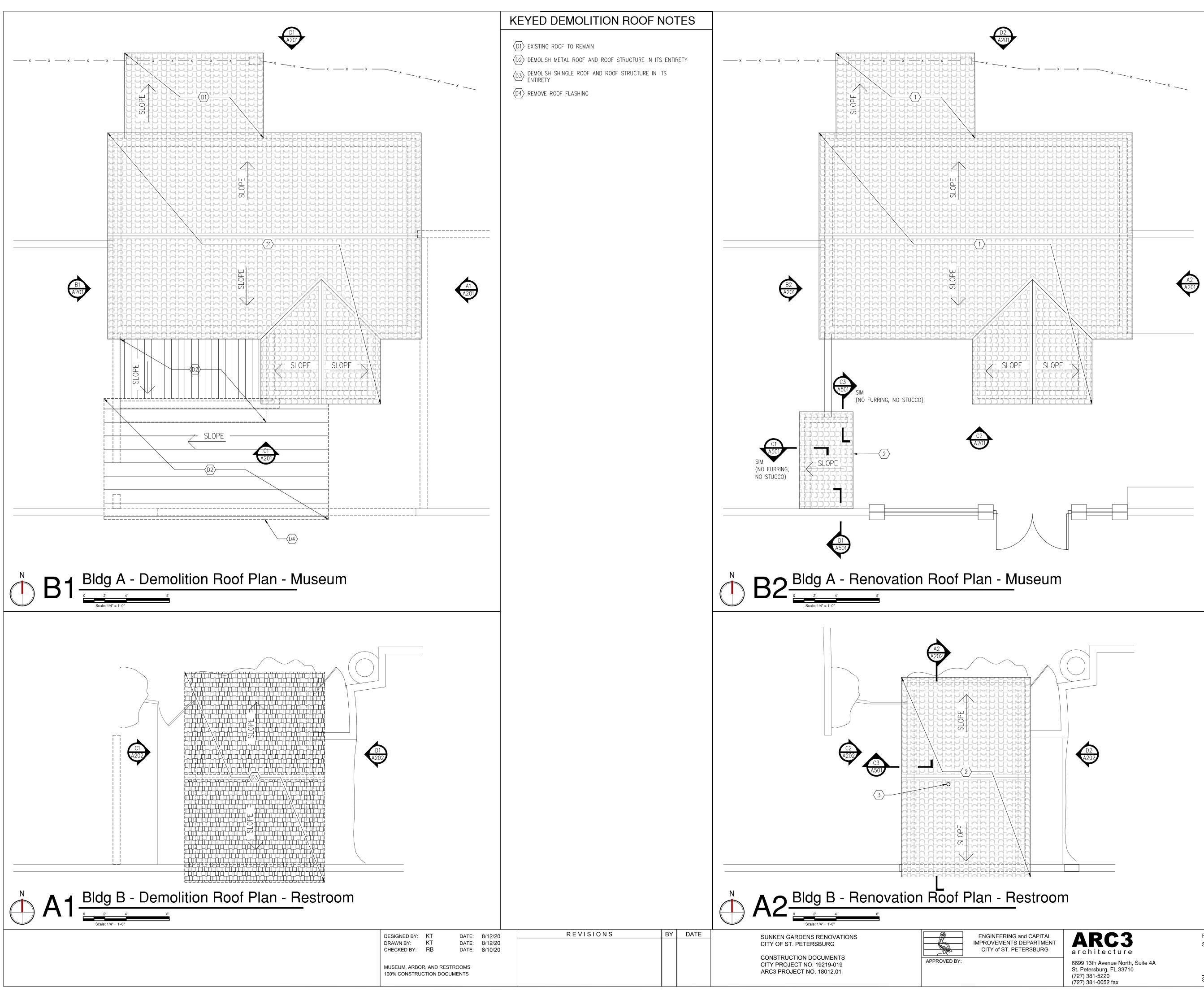
DRAWING No. 19219-6

Demolition & Renovation

Reflected Ceiling Plans

Date

A102



KEYED RENOVATION ROOF NOTES

 $\langle 1 \rangle$ EXISTING TILE ROOF TO REMAIN

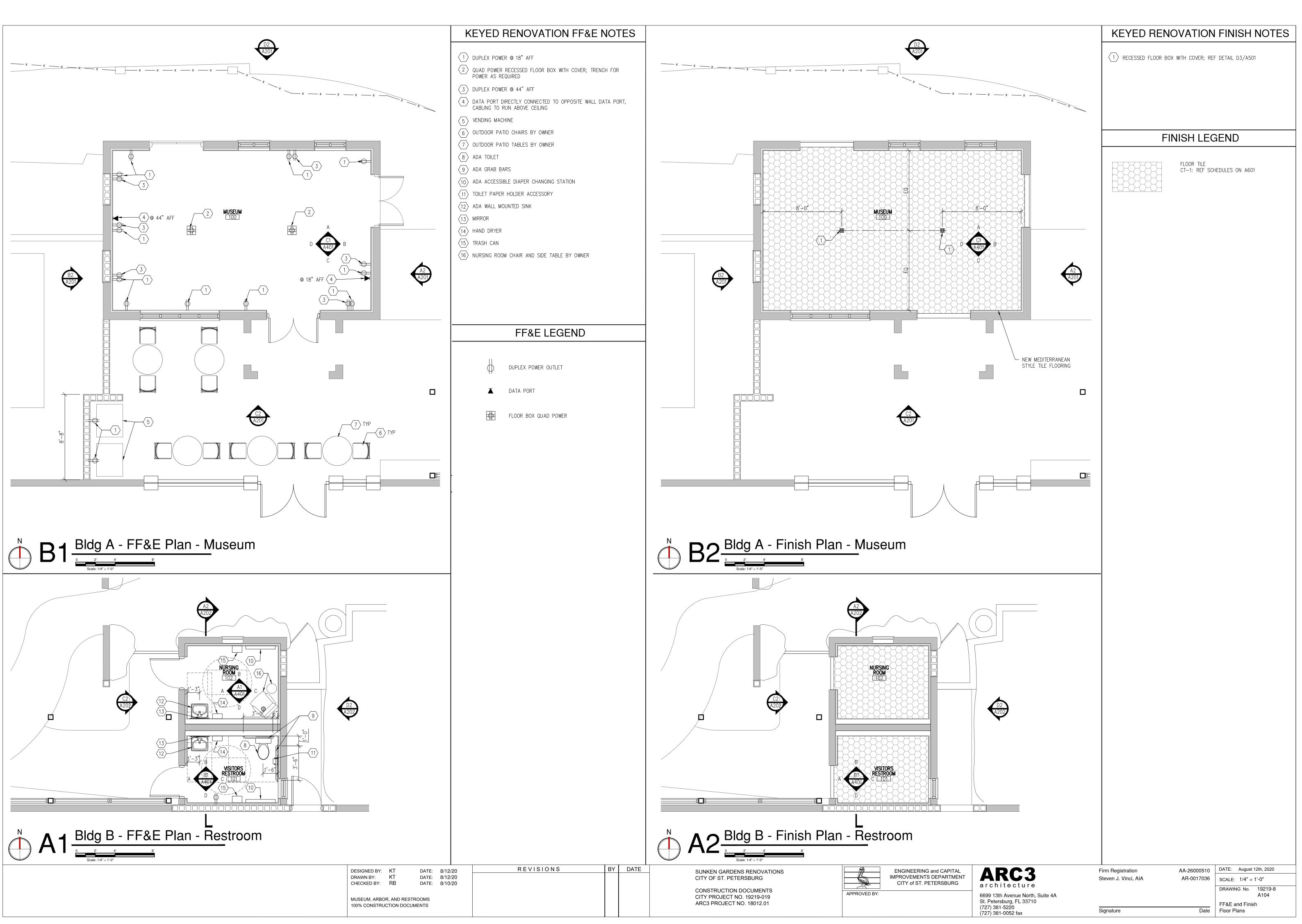
- NEW TILE ROOF
 A. BASIS OF DESIGN: SANTAFE TILE CORPORATION, MISSION BARREL ROOF CLAY TILE, RED
 B. REFERENCE ROOF DETAILS ON SHEET A501
- 3EXHAUST VENT THROUGH ROOF; REF FLASHING DETAIL
D2/A501; REF PLUMBING DWGS FOR ADD'L INFORMATION

Firm Registration Steven J. Vinci, AIA

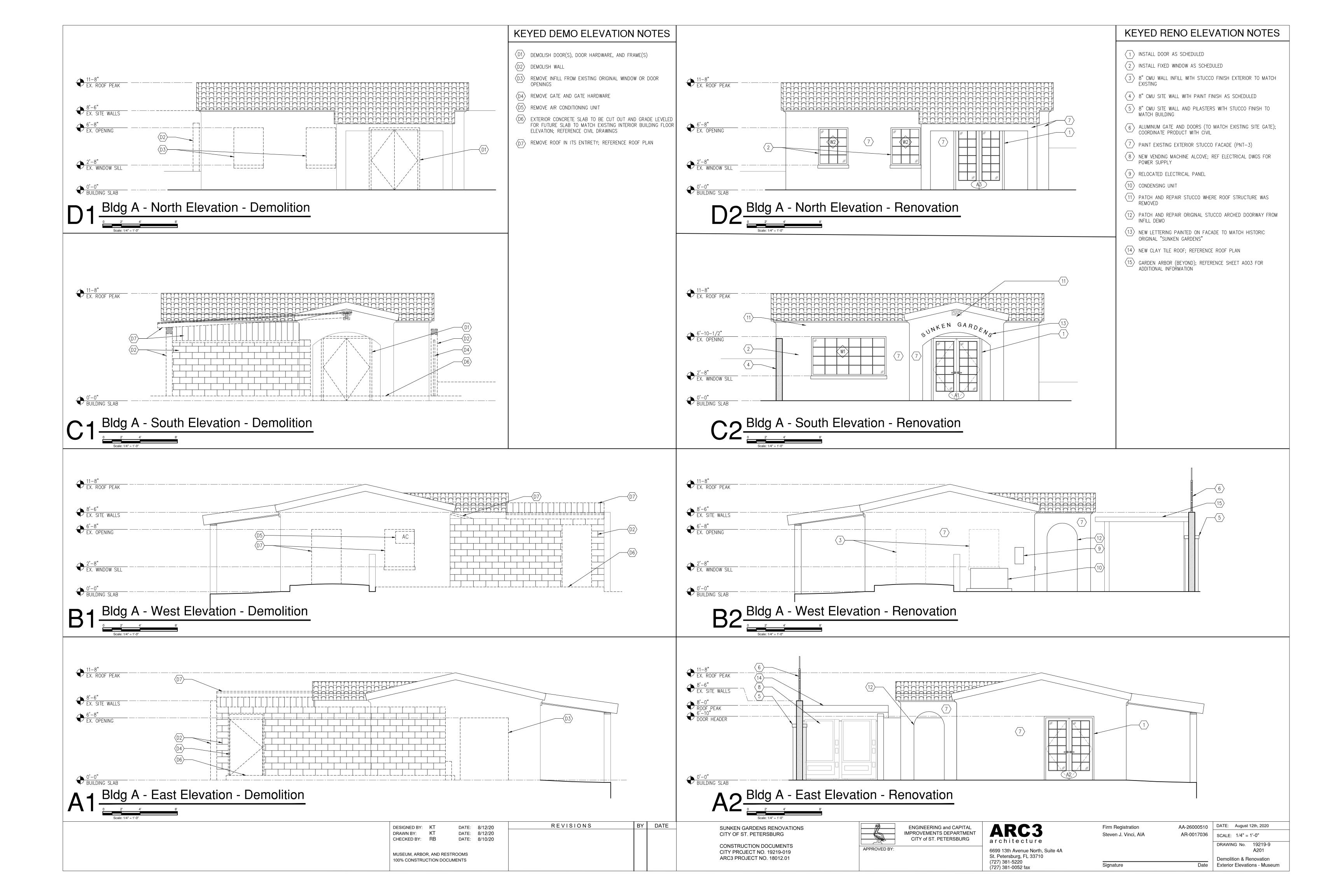
Date

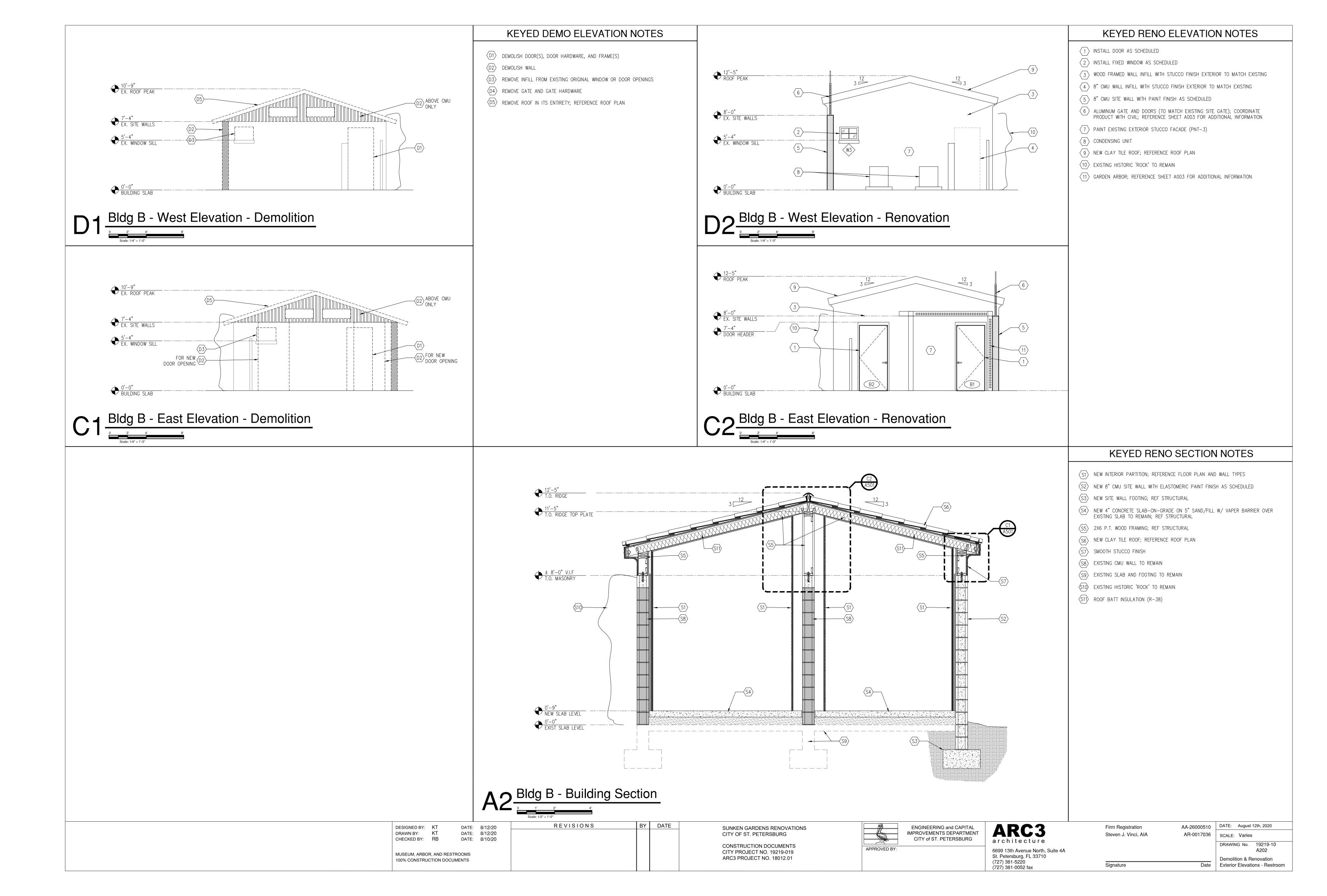
DATE: August 12th, 2020 SCALE: 1/4" = 1'-0" DRAWING No. 19219-7 A103 Demolition & Renovation Roof Plans

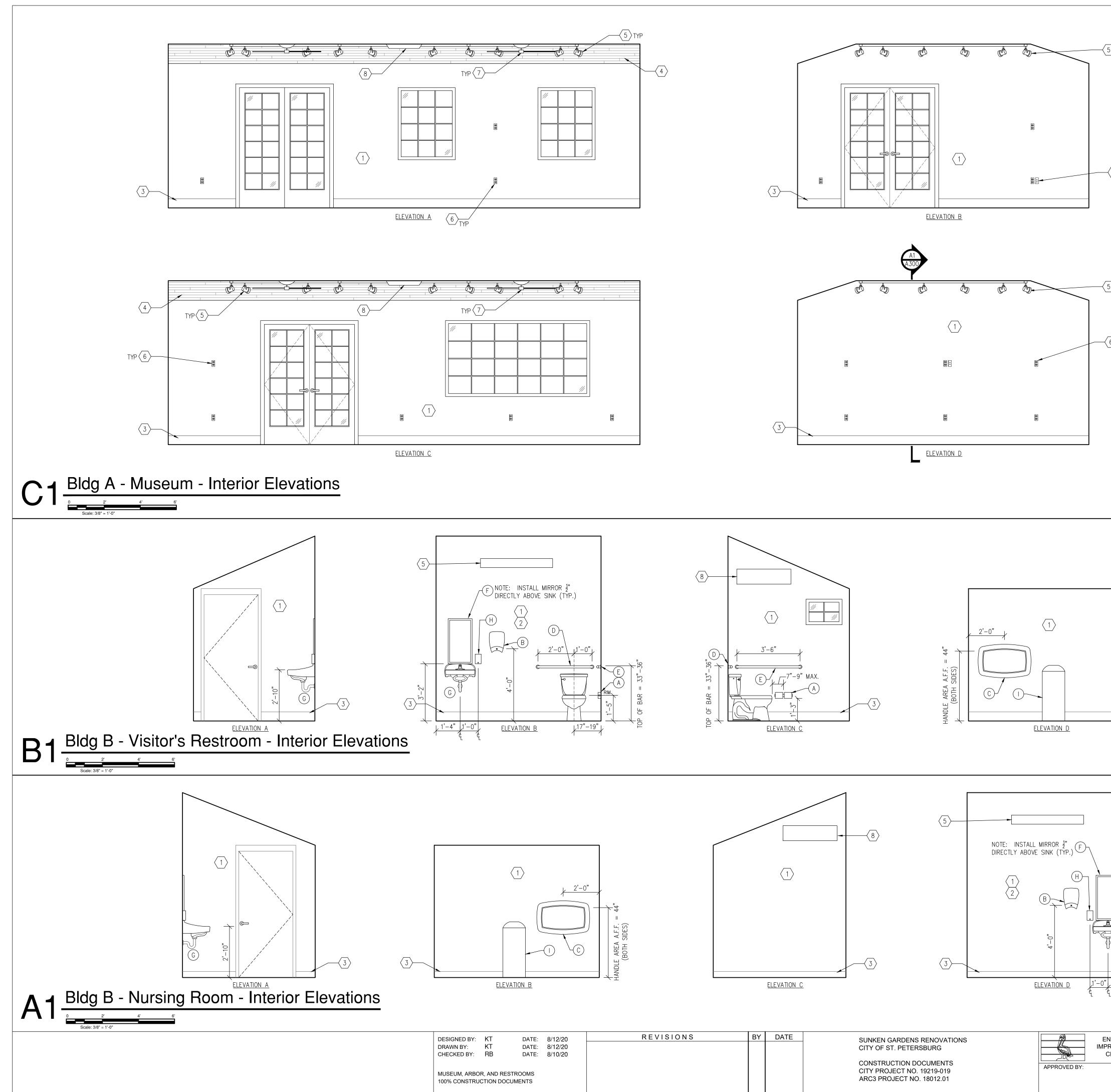
Signature



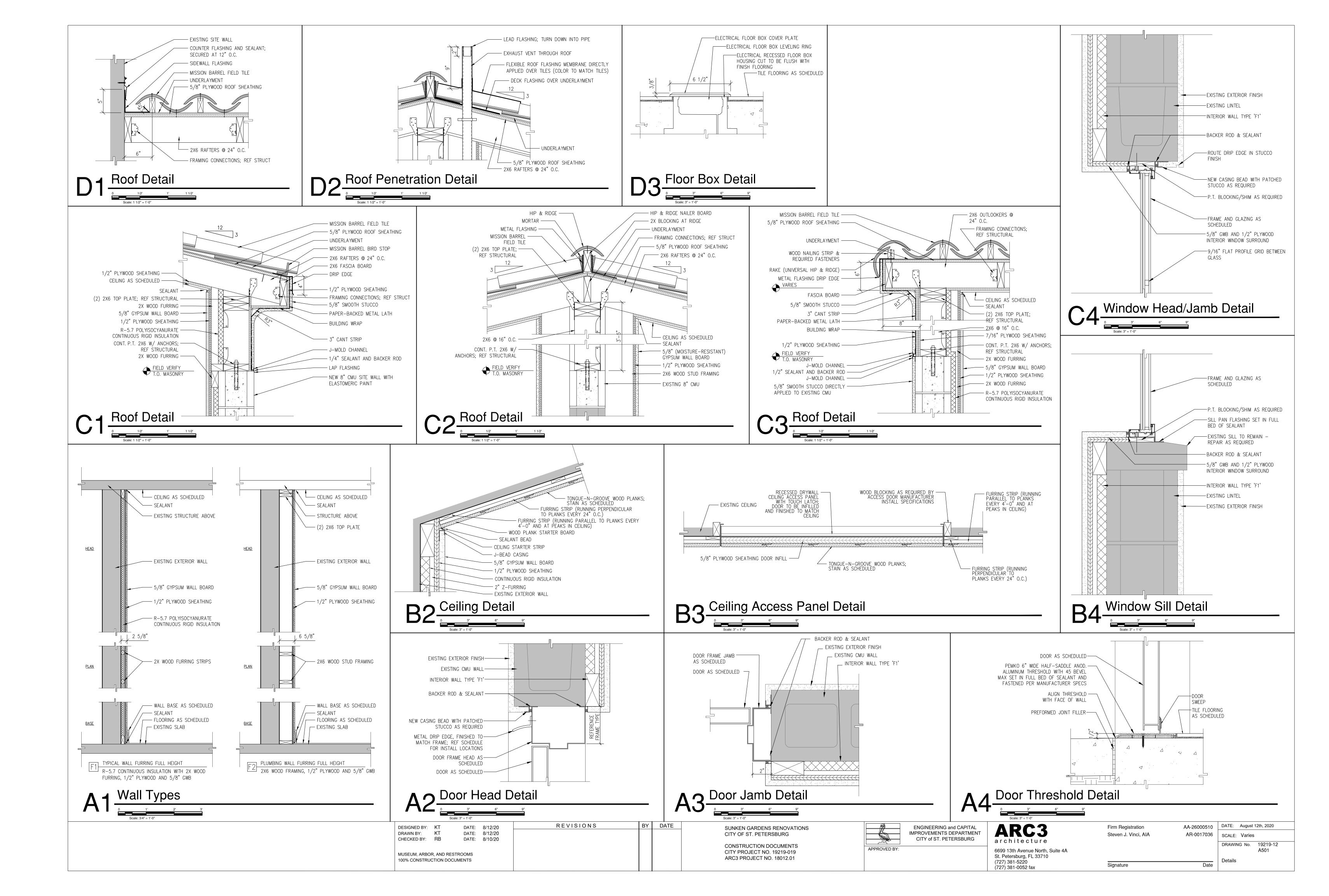
DATE:	8/12/20	REVISIONS	ΒY	DATE
DATE:	8/12/20			
DATE:	8/10/20			
OOMS				
ENTS				







		KEYED INTERI	OR ELEV I	NOTES
5 TYP		 WALL PAINT AS SCHEDULED INSTALL MOISTURE-RESISTANT GWB F WALL BASE AS SCHEDULED WOOD TONGUE-AND-GROOVE CEILING LIGHTING AS SCHEDULED; REF ELECT ELECTRICAL POWER/DATA; REF ELECT CEILING FAN, LOW PROFILE, SPEC TB HVAC; REF MECHANICAL FOR ADDITION 	G AS SCHEDULED RICAL FOR ADDITIONA TRICAL FOR ADDITION. D	
- 6 TYP				
5 TYP				
6 TYP				
		KEYED PLUMBIN	IG FIXTUR	E NOTES
		 A DOUBLE-ROLL TOILET TISSUE DISPENS B SURFACE MOUNTED HAND AIR DRYER C BABY CHANGING TABLE, HORIZONTAL GREY (01) D GRAB BAR - BOBRICK #5806.99 X 33 E GRAB BAR - BOBRICK #5806.99 X 42 F MIRRORS - BOBRICK #B-1658-16" X G USE PRE-FORMED INSULATION ON ALL SINKS H SOAP DISPENSER - BOBRICK #B-2111 (1) WASTE RECEPTACLE - BOBRICK #B-2 	 BOBRICK #B-7180 WALL-MOUNTED - KC 36 PEENED GRIP 2 PEENED GRIP 30" TEMPERED GLASS EXPOSED WATER PIF SUPPLY SOAP FOR . 	PALA KARE #KB200, S MIRROR PING AND DRAINS ON ALL
ENGINEERING and CAPITAL PROVEMENTS DEPARTMENT CITY of ST. PETERSBURG	ARC3 architecture	Firm Registration Steven J. Vinci, AIA	AA-26000510 AR-0017036	DATE: August 12th, 2020 SCALE: 3/8" = 1'-0"
	6699 13th Avenue North, Suite 4A St. Petersburg, FL 33710 (727) 381-5220 (727) 381-0052 fax	Signature	Date	DRAWING No. 19219-11 A401 Interior Elevations



									DO	OR SCH	EDULE						
	DOOR								FRAME								
DOOR NUMBER	DOOR		SIZE		MATERIAL	UNDER	01.400			DETAILS		HARDWARE SET	FIRE Rating	REMARKS			
NUMBER	TYPE	WIDTH	HEIGHT	THICK		CUT	GLASS	TYPE	MATERIAL	HEAD	JAMB	SILL		LABEL			
A1	12-LITE_02	5'-4"	6'-8"	1-3/4"	MTL/GLA	_	12-LITE	FRAME_02	MTL	A2/A501	A3/A501	A4/A501	ENTRY-01		BRONZE FINISH		
A2	12-LITE_02	5'-4"	6'-8"	1-3/4"	MTL/GLA	_	12-LITE	FRAME_02	MTL	A2/A501	A3/A501	A4/A501	ENTRY-01		BRONZE FINISH; INCLUDE METAL DRIP EDGE INSTALLATION		
A3	12-LITE_01	5'-4"	6'-8"	1-3/4"	MTL/GLA	_	12-LITE	FRAME_02	MTL	A2/A501	A3/A501	A4/A501	ENTRY-02		BRONZE FINISH; NOT FOR EGRESS; NON-OPERABLE		
B1	FLUSH_01	3'-0"	7'-0"	1-3/4"	MTL	_	-	FRAME_02	MTL	A2/A501	A3/A501	A4/A501	PRIVACY-01				
B2	FLUSH_01	3'-0"	7'-0"	1-3/4"	MTL	_	_	FRAME_02	MTL	A2/A501	A3/A501	A4/A501	PRIVACY-01		INCLUDE METAL DRIP EDGE INSTALLATION		
B3	FLUSH_01	3'-0"	7'-0"	1-3/4"	MTL	_	_	FRAME_02	MTL	A2/A501	A3/A501	A4/A501	STOREROOM-01		EXTERIOR TO EXTERIOR ACCESS - NO WEATHERPROOFING NEEDED		

	WINDOW SCHEDULE								
MARK	LOCATION	SI	ZE	TYPE		DETAILS		MATERIAL	NOTES
MARK	ECCATION	WIDTH HEIGHT HEAD JAMB SILL MATERIAL		MATERIAL	NOTES				
W1	MUSEUM (RM 100)	8'-0"	4'-2 1/2"	FIXED	C4/A501	C4/A501	B4/A501	ALUMINUM FRAME	BRONZE FRAME FINISH
W2	MUSEUM (RM 100) (X2)	3'-2"	4'-0"	FIXED	C4/A501	C4/A501	B4/A501	ALUMINUM FRAME	BRONZE FRAME FINISH
W3	VISITOR RESTROOM (RM 101)	2'-0"	1'-5"	FIXED	C4/A501	C4/A501	B4/A501	ALUMINUM FRAME	BRONZE FRAME FINISH

							FINISH + C	OLOR S	SCHEDULE								
	SPACE FLOOR			\SE				WA	LLS				CEI	LING			
NUMBER	NAME		MATERIAL	COLOR	NORTH	1	SOUTI	4	EAST		WEST	WEST		WEST		COLOR	REMARKS
NUMBER	NUMBER NAME MATERIAL	MATERIAL	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR			
100	MUSEUM	CT-1	WB-1	PNT-2 / C	PNT-1	A	PNT-1	A	PNT-1	A	PNT-1	В	WD-1	_	SOUTH ENTRANCE EXTERIOR CEILING TO BE REFINISHED WITH STCO-1/PNT-2/COLOR "C"		
101	VISITOR RESTROOM	CT-1	WB-1	PNT-2 / C	PNT-1	В	PNT-1	А	PNT-1	А	PNT-1	А	WD-1	_			
102	NURSING ROOM	CT-1	WB-1	PNT-2 / C	PNT-1	A	PNT-1	В	PNT-1	A	PNT-1	A	WD-1	_			

			MATERIAL FINISH SCHEDULE		
LOCATION	CODE	MATERIAL	COLOR + MATERIAL SPEC	MANUFACTURER/SUPPLIER	ADDITIONAL INFORMATION
CEILING	WD-1	WOOD PLANK	WOODHAVEN PLANKS – 5" X 84" (MDF) TONGUE & GROOVE CEILING PLANKS, NATURAL CHERRY	ARMSTRONG	
	STCO-1	PAINTED SMOOTH STUCCO FINISH	FLAT FINISH, EXTERIOR PAINT, REFERENCE SCHEDULE FOR COLOR SELECTION	SHERWIN WILLIAMS	
FLOOR	CT-1	CERAMIC TILE	STYLE: 1741 DI MARCA CORONA, TERRA – HEXAGON / COLORS (RANDOM MIX): 0089 AVORIO, 0090 OCRA & 0401 FLOREALE VERS. C	GARDEN STATE TILE	
WALLS	PNT-1	WALL PAINT	EGSHELL FINISH, INTERIOR PAINT, REFERENCE SCHEDULE FOR COLOR SELECTION	SHERWIN WILLIAMS	
	PNT-2	TRIM PAINT	SEMI-GLOSS FINISH, TRIM PAINT (DOORS, WINDOWS, OPENINGS, WALL BASE), COLOR "C"	SHERWIN WILLIAMS	
	PNT-3	EXTERIOR WALL PAINT	EXTERIOR PAINT, COLOR AND PRODUCT TO BE COORDINATED WITH OWNER TO MATCH CURRENT ENTRANCE BUILDING PAINT/COLOR	TBD	

PAINT COLOR KEY

FIELD, SW-6189 "OPALINE" Α

ACCENT, SW-6192 "COASTAL PLAIN" В

C TRIM, SW-7004 "SNOWBOUND"

CENTERLINE OF THE DOOR.

*PAINT COLORS SUBJECT TO CHANGE PER OWNER SELECTION

FIN	IISH AND COLOR NOTES	MATERIA	MATERIAL LEGEND								
1.	CONTRACTOR SHALL CAREFULLY STUDY AND	ACT	ACOUSTICAL CEILING TILE	EXP	EXPOSED	SV	SHEET VINYL				
	COMPARE THE CONTRACT DOCUMENTS, THE	CB	CARPET BASE	EPX	EPOXY	STCO	STUCCO				
	FINISH SCHEDULE AND FINISH PLAN AND	CPT	CARPET	GRT	GROUT	VB	VINYL BASE				
	REPORT ANY ERRORS, INCONSISTENCY OR	СТ	CERAMIC TILE	GYP	PAINTED GYPSUM BOARD	VCT	VINYL COMPOSITION TILE				
	OMISSIONS THAT MAY BE DISCOVERED.	CTB	CERAMIC TILE BASE	PLM	PLASTIC LAMINATE	VWC	VINYL WALL COVERING				
2.	UNLESS INDICATED OTHERWISE, ALL FLOOR	CWT	CERAMIC WALL TILE	PNT	PAINT	WD	WOOD				
	MATERIAL CHANGES SHALL OCCUR AT THE	DP	DECORATIVE PANEL	ETR	EXISTING TO REMAIN						

DESIGNED BY:

HARDWARE SET – ENTRY–01

QTY DESCRIPTION

- SARGENT ADA ENTRANCE LOCKSET; COORD. 1 MODEL/FINISH W/ BLDG STD.
- 1 CYLINDER; COORDINATE KEYING WITH OWNER
- 6 BB HINGES
- 6 SILENCERS 2 DOOR SWEEPS
- 1 ADA SADDLE THRESHOLD REF DETAIL
- 1 WALL STOPS/HOLDERS
- 1 GASKETING (JAMB AND HEAD)

HARDWARE SET – ENTRY–02

- QTY DESCRIPTION DEADBOLT (EXTERIOR KEY/INTERIOR 1 THUMB-TURN); COORDINATE KEYING WITH OWNER
- 6 BB HINGES
- 6 SILENCERS
- 2 DOOR SWEEPS
- 1 ADA SADDLE THRESHOLD REF DETAIL 1 WALL STOPS/HOLDERS
- 1 GASKETING (JAMB AND HEAD)
- *NON-OPERABLE DOOR

HARDWARE SET – PRIVACY–01

- QTY DESCRIPTION
- SARGENT ADA PRIVACY LOCKSET; COORD. MODEL/FINISH W/ BLDG STD.
- DEADBOLT (EXTERIOR LOCKING ONLY);
- COORDINATÈ KEYING WITH OWNER
- 3 BB HINGES 3 SILENCERS
- 1 DOOR SWEEP
- 1 ADA SADDLE THRESHOLD REF DETAIL
- 1 MOP PLATES INTERIOR SIDE ONLY
- 1 GASKETING (JAMB AND HEAD)

HARDWARE SET - STOREROOM-01

QTY DESCRIPTION

- SARGENT ADA STOREROOM LOCKSET; COORD. 1 MODEL/FINISH W/ BLDG STD.
- 1 CYLINDER; COORDINATE KEYING WITH OWNER
- 3 BB HINGES

GENERAL DOOR/FRAME NOTES:

- MAY DISCOVER.
- 2. ALL FRAMES SHALL BE CAULKED CONTINUOUSLY TO THE WALL ON BOTH SIDES.
- (VINYL IS NOT ACCEPTABLE).

- AT THE CENTERLINE OF A DOOR.

DOOR LEGEND

GLA	GLASS
LMI	LARGE MISSILE IMPACT
MTL	METAL
SMI	SMALL MISSILE IMPACT
SPAN	SPANDREL
TEMP	TEMPERED
VIS	VISION
WD	WOOD

DOOR HARDWARE NOTES:

1. ALL HINGES TO BE BALL BEARING [BB] AND MATCH HANDLE FINISH

WINDOW NOTES:

- 1. WINDOW DIMENSIONS ARE APPROXIMATE DIMENSIONS
- AND OWNER REVIEW.
- CASEMENT WINDOW
- 4. EQUAL ALTERNATES MAY BE SUBMITTED FOR ARCHITECT AND OWNER REVIEW

KT	DATE:	8/12/20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS
KT	DATE:	8/12/20				CITY OF ST. PETERSBURG
RB	DATE:	8/10/20				CONSTRUCTION DOCUMENTS
	STROOMS					CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01
ION DOC	CUMENTS					



1. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS AND THIS SCHEDULE AND SHALL AT ONCE REPORT IN WRITING TO THE ARCHITECT ANY ERROR, INCONSISTENCY OR OMISSION THAT S/HE

3. WHEREVER THERE IS A CRACK BETWEEN THE BOTTOM OF THE DOOR FRAME AND THE FINISH FLOOR, THE CONTRACTOR SHALL PROVIDE A 'PENCIL-LINE CAULK' TO SEAL (EXCEPT WHERE CARPET HIDES CRACK). 4. DOOR SCHEDULED TO HAVE A FIRE RATING LABEL SHALL HAVE A METAL LABEL PERMANENTLY AFFIXED TO BOTH THE DOOR AND TO THE FRAME

5. ÀLL 20 MINUTE DOORS SHÁLL HAVE LESS THAN 1296 SQ INCHES OF WIRE GLASS WITH A MAXIMUM VERTICAL HEIGHT OF 54". 6. UNLESS INDICATED OTHERWISE, ALL FLOOR MATERIAL CHANGES SHALL OCCUR

7. EXTERIOR DOORS SHALL HAVE FLORIDA PRODUCT APPROVAL TO MATCH WIND DESIGN CRITERIA ASSOCIATED WITH BUILDING. 8. DOOR DIMENSIONS ARE APPROXIMATE MEASUREMENTS FROM THE EXISTING DOOR CONDITIONS – G.C. TO FIELD VERIFY ALL OPENING DIMENSIONS

DOOR TYPES

2^{°°} SEE DOOR SCHEDULE ²° ____ FRAME_01

FRAME TYPES:

2^{°°} SEE DOOR SCHEDULE 2^{°°} FRAME_02 W/ 4" HEAD TO

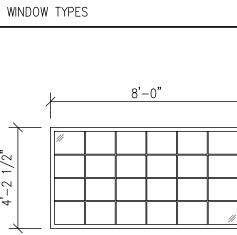
MATCH MASONRY RO

SEE DOOR

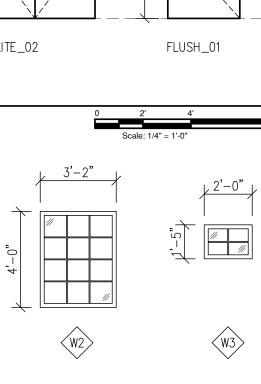
L SCHEDULE

Scale: 1/4" = 1'-

SEE DOOR SEE DOOR SCHEDULE SCHEDULE 12-LITE_01 12-LITE_02



W1>



MEASUREMENTS FROM THE EXISTING CLOSED WINDOW

CONDITIONS - G.C. TO FIELD VERIFY ALL OPENING

2. SHOP DRAWINGS TO BE SUBMITTED FOR ARCHITECT

3. BASIS OF DESIGN: PGT INDUSTRIES VINYL FIXED

ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG



Firm Registration Steven J. Vinci, AIA

AA-26000510 DATE: August 12th, 2020 AR-0017036 | SCALE: 1/4" = 1'-0" DRAWING No. 19219-13 A601

Signature

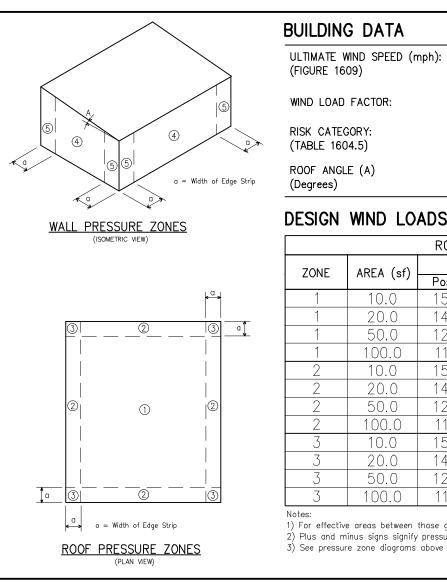
Schedules Date

MISCELL		SPECIFICATIONS	7.		S MAY BE EARTH-FORMED L, CLEAN, AND STABLE; C
1.	HAVE BEEN MAD	. SYSTEM IS UNSTABLE UNTIL ALL CONNECTIONS DE AND ALL CONCRETE HAS REACHED ITS MINIMUM "H, AS SHOWN IN THE STRUCTURAL DOCUMENTS.	CAST IN	FORMS MUST BE USED	
2	STRUCTURE AND THE CONTRACTO	DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. R SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS EDURES, TECHNIQUES AND SEQUENCES.		COMPRESSIVE STRENG	MAL WEIGHT WITH THE FOL THS AT 28 DAYS: -ON-GRADE3000 P
).	REQUIRED. CON	SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS TRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF JRING CONSTRUCTION.	2.	 A) PORTLAND CEME B) AGGREGATES – C) NO CALCIUM CHL 	
1. -		DING CODE: FLORIDA BUILDING CODE 6TH EDITION (2017).		 D) AIR ENTRAINING E) WATER REDUCING F) FLYASH – ASTM 	
	FLORIDA BUILDIN	AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE G CODE 6TH EDITION (2017).	7	G) WATER – CLEAN	AND POTABLE
δ.	DESIGN GRAVITY	LOADS: SUPERIMPOSED LIVE LOAD (FBC, TABLE 1607.1)	3. 4.	REINFORCING STEEL: A REQUIRED SLUMP RANG	
	ROOF FLOOR	20 PSF 100 PSF (SLAB-ON-GROUN	5.	WELDED WIRE FABRIC:	ASTM A-185. FURNISH IN
	<u>AREA</u> ROOF	<u>DEAD LOAD</u> 20 PSF	6.	MOISTURE/VAPOR RETA JOINTS.	ARDER: 10 MIL POLYETHYLI
	ASD NOMINAL D RISK CATEGORY	I WIND SPEED = 145 MPH (FBC, FIGURE 1609.3.1) ESIGN WIND SPEED = 112 MPH (FBC, TABLE 1609.3.1) II (FBC, TABLE 1604.5) 00 FOR WIND PRESSURES AND MORE INFO.	7.	ACI 301 "SPEC FOR ACI 305 "RECOMMENI ACI 318 "BLDG. CODE	S: (CURRENT EDITION) STRUCTURAL CONCRETE FO DED PRACTICE FOR HOT WI REQUIREMENTS FOR REIN
•		DIMENSIONS AND ELEVATIONS WITH THE DRAWINGS. DO NOT SCALE DRAWINGS.	8.		D DETAILING OF CONCRETE = 30 BAR DIAMETERS UNLE
		ER WITH ANY QUESTIONS OR DISCREPANCIES FOUND ON	9.		D SPACERS, CHAIRS, BOLS SARY TO ASSEMBLE, PLACI
).	NO CHANGE IN SI	ZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL T THE WRITTEN APPROVAL OF THE F RECORD.	10.	WITH CRSI RECOMMENE SURFACES.	. USE WIRE BAR TYPE SU ATIONS. USE PLASTIC TIP ERIFY EMBEDDED ITEMS, IN
	CONSTRUCTION LO	IS RESPONSIBLE FOR LIMITING THE AMOUNT OF DAD IMPOSED UPON STRUCTURAL FRAMING. DADS SHALL NOT EXCEED THE DESIGN CAPACITY AT THE TIME THE LOADS ARE IMPOSED.		LIMITED TO ANCHOR B BEFORE PLACING CON REBAR.	OLTS, BOLT CLUSTERS, WE CRETE. NOTIFY ENGINEER C
2.	RECORD IN WRITIN	SHALL INFORM THE PROFESSIONAL OF NG OF ANY DEVIATION FROM THE CONTRACT	11. 12.	ALL CONCRETE SHALL	RAWINGS FOR REQUIRED CO
	RESPONSIBILITY C RECORD'S REVIEW UNLESS THE CON	CONTRACTOR SHALL NOT BE RELIEVED OF THE OF SUCH DEVIATION BY THE PROFESSIONAL OF OF SHOP DRAWINGS, PRODUCT DATA, ETC., TRACTOR HAS SPECIFICALLY INFORMED THE F RECORD OF SUCH DEVIATION AT THE TIME OF		A) APPLY A 30% SO COMPOUND IN AC	NDANCE WITH ONE OF THE LIDS LIQUID MEMBRANE FOI CORDANCE WITH ASTM C- DUS MOISTURE TO CONCRE
	SUBMISSION, AND	THE PROFESSIONAL OF RECORD HAS GIVEN AL TO THE SPECIFIC DEVIATION.	13.		IS RESPONSIBLE FOR THE FORMWORK, SHORING, AN
ATERIA	"APPROVED" PR	WING SUBMITTALS SHALL BE REVIEWED BY THE CONTRACTOR AND MARKED OR TO SUBMITTING TO THE ARCHITECT. NON-CONFORMING _ BE RETURNED WITHOUT REVIEW.	14.	A QUALIFIED TESTING L THE FOLLOWING CONCF A) CYLINDER STREN CYLINDERS FOR	ABORATORY SHALL BE RE
	with a high-re	RAWINGS AS REQUIRED HEREIN IN DIGITAL PDF FORMAT		FINAL CYLINDER B) SLUMP TESTS –	IN RESERVE.
	SHALL BE SIGNE AS NOTED BELO	EIPT OF SUBMITTALS BY THIS FIRM. ALL SUBMITTALS D/SEALED BY THE SPECIALTY OR DELEGATED ENGINEER, W. REFER TO THE SPECIFIC SECTION ON THIS SHEET FOR	15.		T REPORTS SHALL BE SEN AL ENGINEER, AND GENER/
	A) CONCRETE M B) CONCRETE RI C) MASONRY RE	ION REGARDING THE SHOP DRAWING SUBMITTAL. IX DESIGN EINFORCING STEEL INFORCING STEEL NCRETE MASONRY	16.	ADD WATER WITHOUT DO NOT EXCEED SLUM CEMENT RATIO. USE	N OF MIX WATER AT THE U THE APPROVAL OF THE GE P LIMITATIONS OR TOTAL A COLD WATER FROM THE TF
	, Contractor sh	ALL NOT BE RELIEVED FROM RESPONSIBILITY FOR SSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE	17.	WATER ADDED AT THE AFTER THE ADDITION (. TEST REPORTS SHALL II JOB SITE. ALL TESTS SH DF WATER TO THE MIX. EMENT RATIO WHEN NO BA
	DESIGN INTENT (RESPONSIBILITY	WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE IMENTS AS TO QUANTITY, LENGTHS, DIMENSIONS, ETC.	40	MAXIMUM (NON-	AY COMPRESSIVE STRENGT AIR-ENTRAINED), 0.47 MA
	SHOP DRAWING F	REVIEW COMMENTS BY THIS FIRM SHALL BE TRANSMITTED	18.	REINFORCING BAR COVI A) FOOTINGS 3" B) SLABS 3/4" (IN-	ERIOR) 1-1/2" (EXTERIOR)
	WILL TRANSMIT . The contracto	AN ELECTRONIC COPY OF ALL REVIEWED SUBMITTALS TO R. THE CONTRACTOR IS RESPONSIBLE FOR DISTRIBUTING SHOP DRAWINGS TO THE IMPACTED TRADES OR SUBCONTRACTORS.	19.	CONCRETE SHALL BE F	LACED WITHIN 90 MINUTES
	CHANGES AND A	DDITIONS MADE ON SHOP DRAWING RE-SUBMITTALS SHALL BE ED AND NOTED AS SUCH. THE PURPOSE OF THE RE-SUBMITTAL	20.	WHERE BAR LENGTHS REQUIRED, IS NOT INC	ARE GIVEN ON DRAWINGS, LUDED.
	SHALL BE NOTED THE SHOP DRAW SUBMITTAL WILL THE CONTRACTO	D IN THE SUBMITTAL OR ON A TRANSMITTAL ATTACHED TO /INGS. A RE-REVIEW OF THE REVISED SHOP DRAWING BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL. R IS RESPONSIBLE FOR THE COSTS ASSOCIATED WITH	21.	STAIN, OR ADVERSELY PLACING CONCRETE.	FORM COATING COMPOUND AFFECT CONCRETE SURFA
		MULTIPLE (MORE THAN ONE) SHOP DRAWING SUBMITTALS R OF RECORD'S HOURLY RATES.	22.	VIBRATORS.	BE CONSOLIDATED IN PLAC
(ISTING	CONDITIONS. THE	ATION DOES NOT NECESSARILY REFLECT AS-BUILT E CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THESE	23.	IMMEDIATELY AFTER R	FECTIVE AREAS WITH CEMI EMOVAL OF FORMS, EXCEP STRUCTURAL ENGINEER FOF
E WO		IFY THE ENGINEER OF ANY VARIATION.	24.	PROVIDE CORNER BARS MATCH HORIZONTAL B	S AT ALL BEAM AND WALL ARS.
	BY THE OWNER SOIL BEARING P	NVESTIGATION AND REPORT SHALL BE PROVIDED PRIOR TO COMMENCEMENT OF WORK TO VERIFY ASSUMED RESSURE. ALL SITE PREPARATION SHALL BE DONE RDANCE WITH THE GEOTECHNICAL REPORT.	25.	CONSTRUCTION, IN ACI 301-99 CHAF) CONCRETE MIX DESIGN P ICLUDING BACKUP DATA IN PTER 4, SECTION 4.2.3, EX NG WHERE CONCRETE IS T
		EARING PRESSURE = 2,000 PSF.		THE STRUCTURE. B) SUBMIT DETAILED	SHOP DRAWINGS OF REINF
	BORINGS, OR ST	CLUDE, BUT IS NOT LIMITED TO, DENSITY TESTS, AUGER ANDARD PENETRATION BORINGS.		DIAGRAMS. C) SUBMIT FORMWORI	ND LOCATION. INCLUDE BAN
	ARCHITECT, STR	TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, JCTURAL ENGINEER, AND GENERAL CONTRACTOR.	26.		N REQUIRED BY FLORIDA ⁻ E SLABS-ON-GRADE SHAL
	AND COMPACTIO Soil bearing p		20.	THICK, REINFORCED WI BARRIER, WITH SAW-C	TH 6X6-W1.4 X W1.4 W.W. UT CONTROL JOINTS 20'-(ING PADS AS REQUIRED. S
		LS THAT RETAIN EARTH SHALL BE BRACED AGAINST ESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE	27. MASONRY		WALKWAYS AWAY FROM TH
					DESIGNED BY: ACG DRAWN BY: MAK CHECKED BY: ACG
					MUSEUM, ARBOR, AND REST 100% CONSTRUCTION DOCU

NGS MAY BE EARTH—FORMED IF THE EXCAVATION Cal, Clean, and stable; otherwise, plywood Ed.	1.	MASONRY INSPECTION SHA ACCORDANCE WITH ACI 5 INCLUDE, BUT ARE NOT L AS MATERIALS, EQUIPMEN	30.1–1.6. INSPECTION SEF LIMITED TO, THE WORK IN	RVICES SHALL
RMAL WEIGHT WITH THE FOLLOWING MINIMUM GTHS AT 28 DAYS: B-ON-GRADE	2.		NITS SHALL CONFORM TO I NET COMPRESSIVE UNIT ESSIVE MASONRY STRENGT	STRENGTH = 1900
READYMIX PER ASTM C94: IENT – ASTM C 150	3.	MORTAR SHALL BE TYPE (PROPORTION OR PROPER		O ASTM C270
ASTM C33 (3/4" MAX.) HLORIDE G — ASTM C260 NG — ASTM C494 M C618 CLASS F (20% MAXIMUM BY WEIGHT)	4.	COARSE GROUT SHALL CO A) 3000 PSI AT 28 DA B) 1/4" MAXIMUM AGG C) 8" – 11" SLUMP.	AYS.	
N AND POTABLE	5.	, CODES AND STANDARDS:	BUILDING CODE REQUIREME	NITE FOR MACONEY
ASTM A615 GRADE 60. NGE = 3" TO 5".		, ,	STRUCTURES" PECIFICATIONS FOR MASO	
: ASTM A-185. FURNISH IN SHEETS, NOT ROLLS. TARDER: 10 MIL POLYETHYLENE. LAP 6" AND TAPE ALL	6.	PROVIDE COMPLETE COVE HORIZONTAL AND VERTIC.	RUNNING BOND WITH 3/8" RAGE FACE SHELL MORTA AL. FULLY MORTAR WEBS LASTERS AND ADJACENT	R BEDDING, IN ALL COURSES OF
RDS: (CURRENT EDITION) STRUCTURAL CONCRETE FOR BUILDINGS." NDED PRACTICE FOR HOT WEATHER CONCRETING." DE REQUIREMENTS FOR REINF. CONCRETE." AND DETAILING OF CONCRETE REINFORCEMENT."	7.	VERTICAL BARS SHALL BE OF BAR AND AT 8'-0" C 1/2" FROM MASONRY. TH BE LESS THAN ONE BAR IN WALLS U.N.O.	D.C. MAXIMUM WITH A MINI HE CLEAR DISTANCE BETW	MUM CLEARANCE OF EEN BARS SHALL NOT
= 30 BAR DIAMETERS UNLESS NOTED OTHERWISE. TIED SPACERS, CHAIRS, BOLSTERS, ETC, AS SSARY TO ASSEMBLE, PLACE AND SUPPORT ALL CE. USE WIRE BAR TYPE SUPPORTS COMPLYING NDATIONS. USE PLASTIC TIP LEGS ON ALL EXPOSED	8.	CELLS WITH COARSE GRO STANDARD HOOKS INTO F VERTICAL REINFORCEMEN LEVEL UNLESS NOTED OT SHOWN ON PLANS ABOVE	UT AS SPECIFIED. PROVID FOOTING AND ROOF TIE BE T ABOVE FOOTING AND AE HERWISE. MAINTAIN VERT	E ACI 90 DEGREE EAM. LAP SPLICE BOVE EACH FLOOR ICAL REINFORCING PENINGS EXCEEDING 10'-0"
VERIFY EMBEDDED ITEMS, INCLUDING BUT NOT BOLTS, BOLT CLUSTERS, WELD PLATES, ETC, NCRETE. NOTIFY ENGINEER OF ANY CONFLICTS WITH	9.	ALL REINFORCED FILL CEL FOREIGN MATERIAL OR DI FROM FILL CELLS, INCLUE PRIOR TO GROUT POUR.	EBRIS. REMOVE ANY FOR	EIGN MATERIAL
DRAWINGS FOR REQUIRED CONCRETE FINISHES.	10.	REINFORCING BARS SHALL CORNERS AND WHERE BE		
BE CURED IMMEDIATELY AFTER FINISHING DRDANCE WITH ONE OF THE FOLLOWING METHODS: OLIDS LIQUID MEMBRANE FORMING CHEMICAL CURING CCORDANCE WITH ASTM C-309. UOUS MOISTURE TO CONCRETE IN ACCORDANCE WITH	11.) MORE THAN ONE HORIZ(LL BE GROUTED INTO A C H IT IS IN AN ADJACENT	ONTAL IN SIX ORE IN VERTICAL
R IS RESPONSIBLE FOR THE PROPER DESIGN AND LL FORMWORK, SHORING, AND RESHORING.	12.	PROVIDE CONTINUOUS HOP LADDER TYPE DUR-O-W/	RIZONTAL WALL REINFORCI	
LABORATORY SHALL BE RETAINED TO PERFORM CRETE TESTS ON SITE. NGTH TESTS – ASTM C39; ONE SET OF FOUR	13.	PROVIDE HORIZONTAL JOIN FOR FIRST AND SECOND RUN REINFORCING CONTIN EDGE.	NT REINFORCEMENT AT DO BLOCK COURSE ABOVE AN	ORS AND WINDOWS ND BELOW APERTURES.
R EACH 50 CUBIC YARDS OR FRACTION THEREOF. NDER AT 7 DAYS AND TWO AT 28 DAYS. HOLD THE R IN RESERVE. – ASTM C143	14.	WIRE REINFORCEMENT SHA	T ONE CROSS WIRE OF EA	
EST REPORTS SHALL BE SENT DIRECTLY TO OWNER, IRAL ENGINEER, AND GENERAL CONTRACTOR.	15.	CLEANOUTS SHALL BE PR EACH GROUT POUR WHEN		
ON OF MIX WATER AT THE JOB SITE. DO NOT THE APPROVAL OF THE GENERAL CONTRACTOR AND IMP LIMITATIONS OR TOTAL ALLOWABLE WATER TO COLD WATER FROM THE TRUCK TANK AND REMIX TO	16.	BE SAW-CUT 3" X 3". GROUT POUR HEIGHT SHA LIFTS HEIGHTS.	LL NOT EXCEED 24'. PLAC	CE GROUT IN 8' MAX.
CY. TEST REPORTS SHALL INDICATE QUANTITY OF TE JOB SITE. ALL TESTS SHALL BE PREPARED OF WATER TO THE MIX.	17.	CONSOLIDATE GROUT POU MEANS AND RECONSOLID,	RS AT THE TIME OF PLAC ATE AFTER INITIAL WATER	
CEMENT RATIO WHEN NO BACK-UP DATA IS	18.	SETTLEMENT. SUBMITTALS:		
DAY COMPRESSIVE STRENGTH; W/C RATIO, 0.58 —AIR—ENTRAINED), 0.47 MAXIMUM (AIR—ENTRAINED). VER:		 A) SUBMIT PROPOSED B) SUBMIT PROPOSED C) SUBMIT DETAILED S NUMBER, SIZE, AND 	GROUT MIX DESIGN PRIOR MORTAR MIX DESIGN PRIO HOP DRAWINGS OF REINFO LOCATION. INCLUDE BAR	R TO CONSTRUCTION. DRCING BARS SHOWING
NTERIOR) 1–1/2" (EXTERIOR) PLACED WITHIN 90 MINUTES OF BATCH TIME.		ÚNITS PRIOR TO CO	/E STRENGTH TESTS OF P DNSTRUCTION. MASONRY U ANCE WITH ASTM C140.	
	19.	A QUALIFIED TESTING LAB THE FOLLOWING TESTS:	ORATORY SHALL BE RETA	INED TO PERFORM
. FORM COATING COMPOUNDS THAT WILL NOT BOND, Y AFFECT CONCRETE SURFACES. WET FORMS BEFORE		A) SAMPLE AND TEST EACH 5000 SQ. FT. B) SLUMP TESTS - AS		WITH ASTM C1019 FOR
L BE CONSOLIDATED IN PLACE USING INTERNAL	20.	, PROVIDE 8" DEEP PRECAS MASONRY OPENINGS NOT	ST REINFORCED CONCRETE SHOWN TO HAVE A STRL	ICTURAL BEAM. MINIMUM
DEFECTIVE AREAS WITH CEMENT MORTAR REMOVAL OF FORMS, EXCEPT WHERE REINFORCING	POST I	END BEARING = 8". LIN NSTALLED ANCHORS	TEL WIDTH TO MATCH MAS	SONRY WIDTH.
STRUCTURAL ENGINEER FOR EVALUATION OF IG. RS AT ALL BEAM AND WALL FOOTING CORNERS TO BARS.	1.	ADHESIVE ANCHORAGES, N CONFORM TO THE FOLLON CONCRETE ADHESIVE ANC HILTI HIT-RE 500-V3 E	WING — CHORS:	DRAWINGS, SHALL
ED CONCRETE MIX DESIGN PRIOR TO INCLUDING BACKUP DATA IN ACCORDANCE WITH	2.		ORDANCE WITH THE MANU	AMMER DRILL AND CARBIDE FACTURER'S INSTRUCTIONS
APTER 4, SECTION 4.2.3, EXCLUDING SECTION TING WHERE CONCRETE IS TO PLACED WITHIN D SHOP DRAWINGS OF REINFORCING BARS SHOWING	3.	BORE HOLE CLEANING PR INSTRUCTIONS AND THE TO PRODUCE A DRY, DUS	APPLICABLE ICC EVALUATI	WITH THE MANUFACTURER'S ON REPORT IN ORDER
AND LOCATION. INCLUDE BAR LISTS AND BEND RK AND SHORING DRAWINGS TO LOCAL BUILDING	4.	INJECTION OF ADHESIVE S MANUFACTURER'S INSTRU	SHALL BE PERFORMED IN . CTIONS AND THE APPLICA	BLE ICC EVALUATION REPORT
IEN REQUIRED BY FLORIDA THRESHOLD LAW. ITE SLABS-ON-GRADE SHALL BE AT LEAST 4" WITH 6X6-W1.4 X W1.4 W.W.F., ON 10 MIL VAPOR	5.	SPECIAL CONDITIONS SUCI HOLES, UNDERWATER AND	O OVERHEAD INSTALLATION	CONCRETE, WATER-FILLED NS MUST BE APPROVED BY
-CUT CONTROL JOINTS 20'-0" O.C. EACH WAY EPING PADS AS REQUIRED. SEE PLANS FOR OTHER	6.	THE ENGINEER OF RECOR	D AND COMPLY WITH THE	APPLICABLE ICC-ES REPORT. AND GRADE SHOWN ON THE
L WALKWAYS AWAY FROM THE BUILDING.	7.	SUBSTITUTIONS FOR ANCH		PROVED BY THE STRUCTURAL SHALL HAVE A VALID
DESIGNED BY: ACG DATE: 08/12/20	RE	EVISIONS	BY DATE	SUNKEN GARDENS
DRAWN BY: MAK DATE: 08/12/20 CHECKED BY: ACG DATE: -				CITY OF ST. PETERS
MUSEUM, ARBOR, AND RESTROOMS 100% CONSTRUCTION DOCUMENTS				CITY PROJECT NO. ARC3 PROJECT NO.

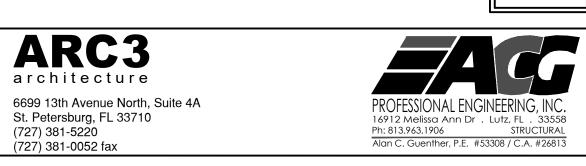
	ICC-ES EVALUATION IN ACCORDANCE WITH THE AP
8.	ALL ANCHOR EMBED DEPTHS SPECIFIED ON THESE EMBEDMENT DEPTHS. ADDITIONAL ANCHOR LENGTH BE PROVIDED AS REQUIRED BY THE ANCHOR MANU CODE APPROVALS.
CARPENT	ζΥ
1.	DIMENSIONED LUMBER SHALL BE DRESSED S4S, AND GRADE STAMP OF THE MANUFACTURER'S ASSOCIAT
2.	ALL LUMBER SHALL BE SOUND, SEASONED, AND FR
3.	ALL LUMBER SHALL BE SOUTHERN PINE NO. 2 GRA 19% MAXIMUM MOISTURE CONTENT, U.N.O. ON THE
4.	ALL LUMBER IN CONTACT WITH MASONRY OR CONC PRESSURE TREATED.
5.	PRESSURE TREATED LUMBER SHALL BE IMPREGNATE TREATMENT IN ACCORDANCE WITH F.S. TT-W-571 AMERICAN WOOD PRESERVERS INSTITUTE QUALITY N
6.	PLYWOOD WALL AND ROOF SHEATHING SHALL BE A EXPOSURE 1 DURABILITY CLASSIFICATION.
7.	ROOF SHEATHING TO BE INSTALLED WITH ONE PLYW BETWEEN PANEL EDGES UNLESS NOTED OTHERWISE LESS THAN 24" WIDE, INSTALL SOLID 2X BLOCKING INSTALL SOLID 2X BLOCKING BETWEEN SUPPORTS , VALLEYS, AND CHANGES IN ROOF SLOPE.
8.	INSTALL BRIDGING IN ALL FLOOR OR ROOF JOISTS A MAXIMUM. INSTALL BLOCKING IN ALL WALL STUDS MAXIMUM, LOCATED AT SHEATHING PANEL EDGES.
0	

- 9. ALL NAILING AND BOLTING SHALL COMPLY WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION REQUIREMENTS.
- 10. ALL CONNECTION HARDWARE SHALL BE GALVANIZED AND SUPPLIED BY SIMPSON STRONG-TIE CO. OR EQUIVALENT. SUBMIT CUT SHEETS FOR ALL CONNECTION HARDWARE TO ENGINEER FOR APPROVAL.
- 11. ALL CONNECTION HARDWARE IS TO BE FULLY FASTENED PER MANUFACTURERS REQUIREMENTS UNLESS NOTED OTHERWISE.



C1	Design Wind Criteria (ASD Design)
U	NOT TO SCALE

REVISIONS B	BY DA	SUNKEN GARDENS RENOVATIONS CITY OF ST. PETERSBURG CONSTRUCTION DOCUMENTS	ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG APPROVED BY:
		CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	



DATE: August 12th, 2020 SCALE: No Scale ALE: NO SOL. DRAWING No. 19219-14 S100

Structural Notes

IBER	SHEET TITLE
00	STRUCTURAL NOTES
101	FOUNDATION AND ROO FRAMING PLANS
200	SECTIONS AND DETAIL

SHE	ET INDEX
SHEET NUMBER	SHEET TITLE
S100	STRUCTURAL NOTES
S101	FOUNDATION AND RO FRAMING PLANS
S200	SECTIONS AND DETAI

ARC3 architecture

(727) 381-5220 (727) 381-0052 fax

ROOF ANGL (Degrees)	E (A)		A<7.0 DEAD LOAD RESISTING UPLIFT (psf):				f):	
DESIGN	WIND LO	ADS — C	COMPONE	NTS & C		G (Values	s per AS	D)
	ROOF				WALL			
ZONE	APEA (of)	DESIC	N PRESSURE	(psf)	ZONE	APEA (of)	DESIGN PRESSURE	
	AREA (sf)	Positive	Negative	Net Uplift	ZUNE	AREA (sf)	Positive	Ne
1	10.0	15.80	-25.10	-15.10	4	10.0	27.42	-2
1	20.0	14.40	-24.40	-14.40	4	20.0	26.19	-2
1	50.0	12.55	-23.47	-13.47	4	50.0	24.55	-2
1	100.0	11.15	-22.77	-12.77	4	100.0	23.32	-2
2	10.0	15.80	-43.69	-33.69	5	10.0	27.42	- 7
2	20.0	14.40	-40.19	-30.19	5	20.0	26.19	-7
2	50.0	12.55	-35.57	-25.57	5	50.0	24.55	-3
2	100.0	11.15	-32.07	-22.07	5	100.0	23.32	-2
3	10.0	15.80	-64.60	-54.60				
3	20.0	14.40	-60.40	-50.40				
3	50.0	12.55	-54.86	-44.86				
3	100.0	11.15	-50.66	-40.66				

145

INTERNAL PRESSURE COEFFICIENT:

0.6 WIDTH OF EDGE STRIP (Feet):

(Partially Enclosed Building per ASCE 7–10) +/- 0.18

3.0

WIND LOAD FACTOR:

S @ 4'- 0" O.C.

S AT 8'-0" O.C.

_YWOOD CLIP PER SPAN SE. FOR PANEL WIDTHS NG AT EACH PANEL EDGE. S AT ALL HIPS, RIDGES,

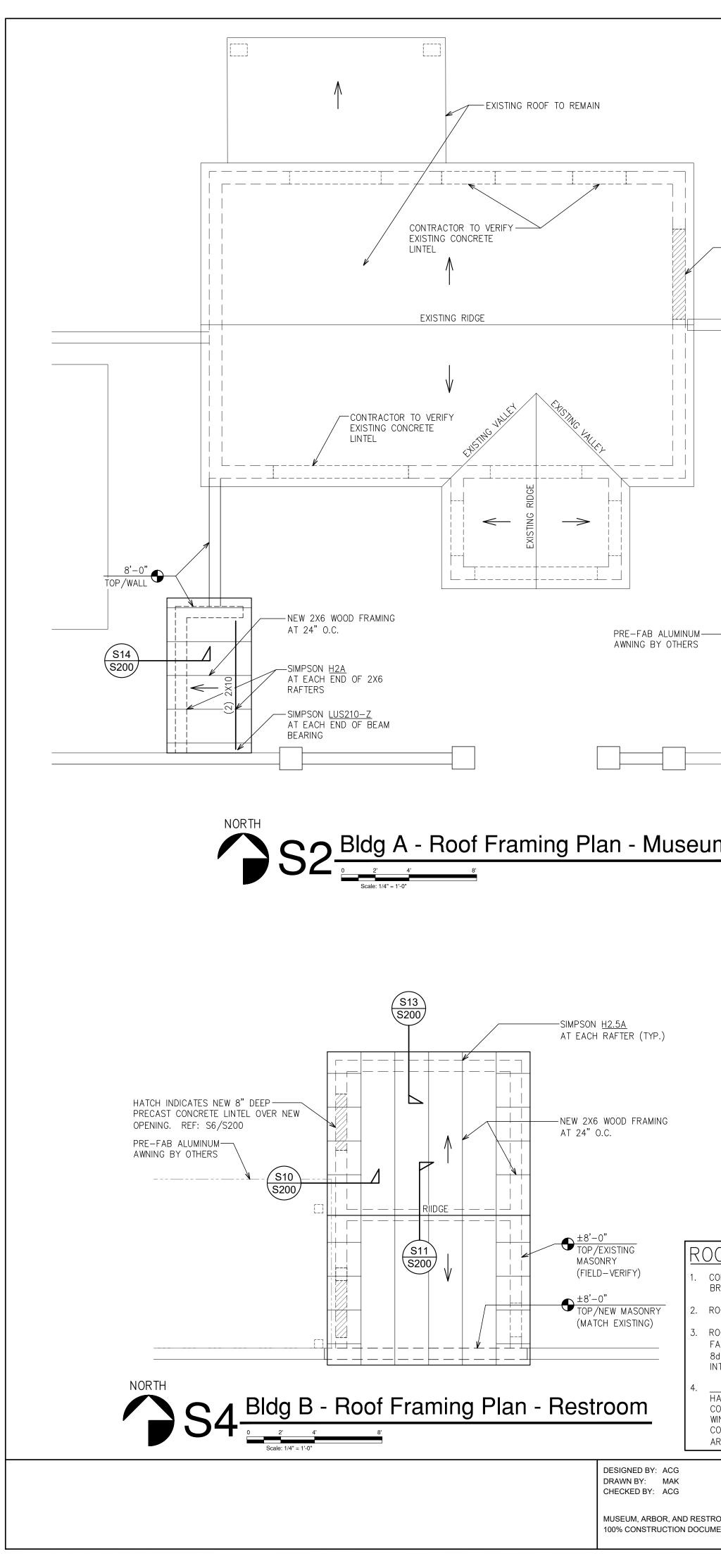
Y MARK LP-2. E APA RATED SHEATHING,

IATED WITH A CCA SALT 1 AND BEAR THE

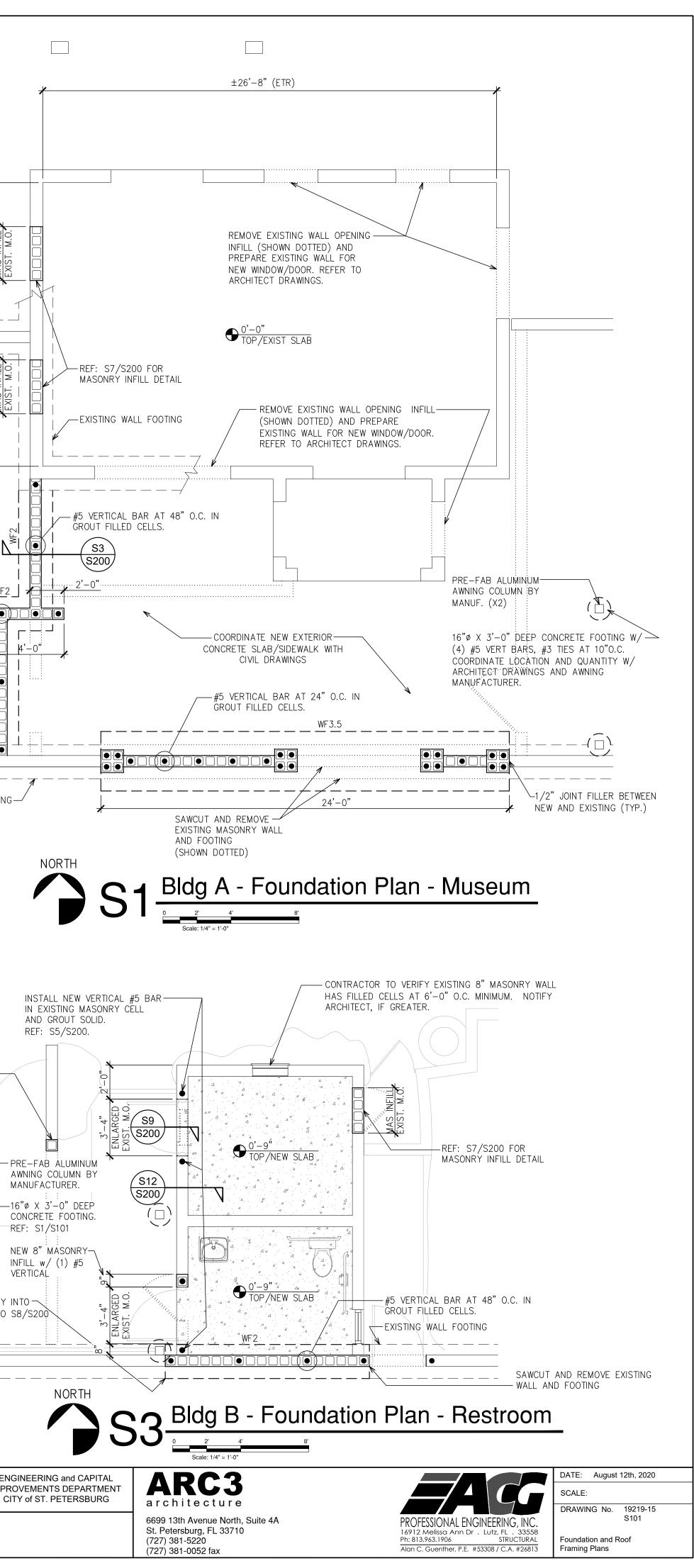
GRADE OR BETTER; WITH e plans. NCRETE SHALL BE

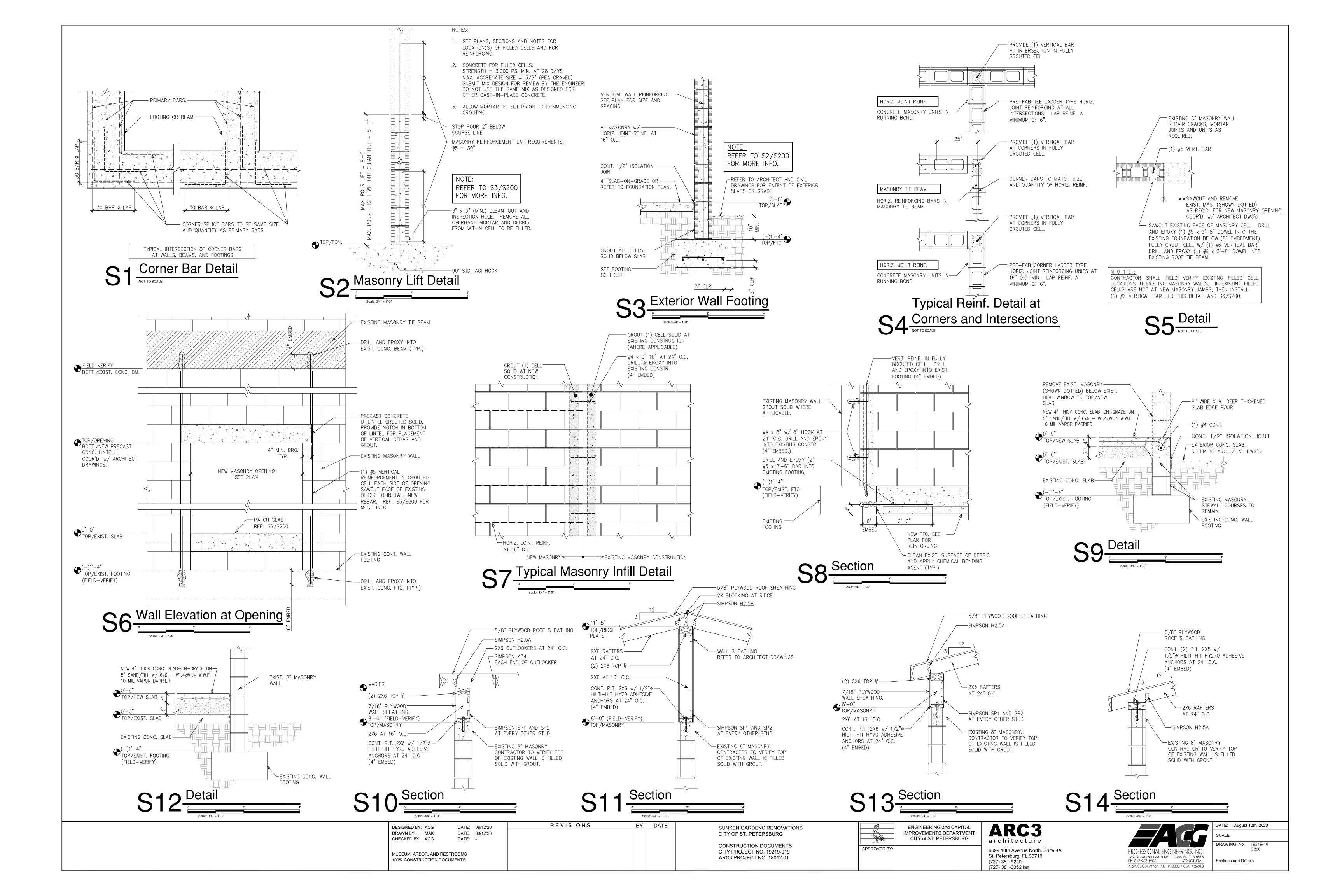
AND SHALL BEAR THE IATION. FREE FROM WARP.

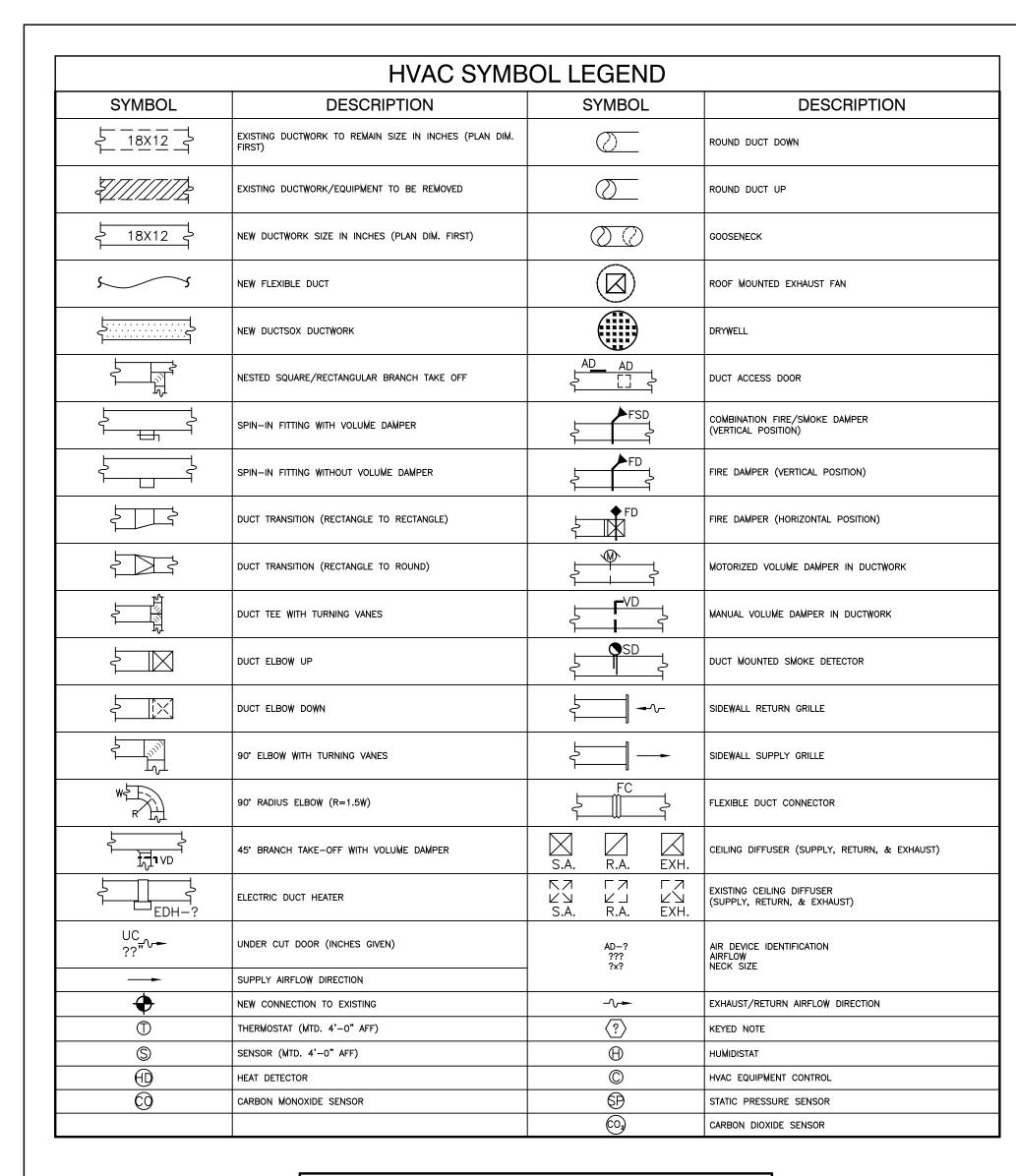
APPLICABLE BUILDING CODE. DRAWINGS ARE EFFECTIVE AND OR HOLE DEPTH SHALL ANUFACTURER AND ASSOCIATED



			FO	DTING SCHEDULE		
	MARK WF2 WF3.5	SIZE 2'-0" WIDE X CONT. 3'-6" WIDE X CONT.	DEPTH 1'-0" 1'-0"	REINFORCING (3) #5 CONT. W/ #5 TRANSV. AT 48" O.C. BOTTOM (4) #5 CONT. W/ #5 TRANSV. AT 24" O.C. BOTTOM	COMMENTS WALL FOOTING WALL FOOTING	
HATCH INDICATES NEW 8" DEEP PRECAST CONCRETE LINTEL OVER OPENING. REF: S6/S200	NEW			 FOUNDATION PLAN NOT 1. CONTRACTOR TO FIELD-VERIFY ALL EXISTING ELEVATIONS AS REQUIRED FOR CONSTRUCTION ARCHITECT/ ENGINEER OF ANY DISCREPANCI 2. REFER TO ARCHITECTURAL DRAWINGS FOR DI PLANS. SHORE EXISTING CONSTRUCTION AS PRIOR TO DEMOLITION. 3. TOP OF NEW SLAB ELEVATION = 0'-0" (MAT TOP OF NEW FOOTING ELEVATION = MATCH 4. REFER TO ARCHITECTURAL DRAWINGS FOR EXIST SIDEWALK INFORMATION. 5. REFER TO ARCHITECTURAL /PLUMBING DRAWIN FIXTURE/DRAIN LOCATIONS AND REQUIREMEN 6. VERIFY INTERIOR SLAB RECESSES, STEPS, AN ARCHITECTURAL/PLUMBING DRAWINGS. 7. VERIFY ALL DIMENSIONS SHOWN w/ ARCHITE 11. PROVIDE CORNER BARS AT ALL CORNERS AN OF CONTINUOUS FOOTINGS. REFER TO DETA MORE INFO. 	DIMENSIONS AND DN. NOTIFY ES. EMOLITION REQUIRED TCH EXISTING). EXISTING XTERIOR SLAB AND MGS FOR ITS. ND SLOPES WITH CTURAL DRAWINGS. ND INTERSECTIONS	HILL HAS INFILL
					(1) #5 AT (TYP.) U.N. REFER TO MORE INFO 	0. S4/S200 FOR
<u>1</u>						EXISTING WALL FOOTING
					END OF EXIS REMOVAL OF GROUT SOLID	IRSE 8" MASONRY AT — TING WALL AFTER INTERIOR SECTION, D. REFER TO RAL DEMO PLANS.
				FOUNDATION PLAN LE	REMAIN	
DOF FRAMING PLAN CONTRACTOR/ERECTOR IS RESPONSIBLE BRACING. ROOF SLOPE = 3 : 12 (MATCH EXISTIN ROOF SHEATHING TO BE 5/8" EXTERIOU FASTEN SHEATHING TO WOOD FRAMING 8d NAILS AT 6" O.C. MAX. AT PANEL INTERIOR SUPPORTS. INDICATES MODEL NUMBER HARDWARE BY SIMPSON STRONG-TIE CONNECTORS TO BE FULLY NAILED. C WIND UPLIFT REACTIONS FROM TRUSS CONNECTORS AND REPORT ANY DISCRE ARCHITECT/ENGINEER.	FOR ALL G) R GRADE F w/ EDGE AND OF STEEL O., OR EQ ONTRACTOR MFR. WITH	CONNECTION JIVALENT U.N.O. ALL R TO VERIFY NET SPECIFIED		Summer EXISTING CONSTRUCTION TO E COOR'D. w/ ARCH. DEMO. PLA REQ'D. PRIOR TO DEMO. NEW 8" MASONRY WALL AND/ BOND. SEE PLAN FOR REINFO EXTENT OF NEW 4" THICK CONC. OVER EXISTING SLAB ON 5" SANE 6x6 - W1.4xW1.4 W.W.F. 10 MIL V COOR'D. w/ ARCH.ITECT DRAWING EXTENT OF EXISTING SLAB-ON	AN. SHORE AS OR INFILL IN RUNNING RCING BAR AND SPACING. SLAB-ON-GRADE D/FILL w/ /APOR BARRIER. S.	DRILL AND EPOXY EXIST. REFER TO FOR MORE INFO.
DATE: 08/12/20 DATE: 08/12/20 DATE: -	REVI	SIONS	BY C	DATE SUNKEN GARDENS RENOVAT CITY OF ST. PETERSBURG CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	5	APPROVED BY:







NOTE:

SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT PERTAIN TO THIS PROJECT.

	HVAC GENERAL NOTES	SF
•	ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2017 – MECHANICAL,	
	NATIONAL ELECTRIC CODE, NFPA AND ALL LOCAL	AIR HANDLER No.
	ORDINANCES.	MANUFACTURER
•	ALL WORK SHALL BE COORDINATED WITH ARCHITECTURAL, CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS.	AIR HANDLER MOD REFRIGERANT
	REFER TO ARCHITECTURAL PLANS FOR EXACT CEILING	NOMINAL CAPACITY
	GRID AND DIFFUSER LOCATIONS.	AIRFLOW
•	PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL HAVE STUDIED AND COMPARED THE CONTRACT	OUTSIDE AIRFLOW
	DOCUMENTS WITH EXISTING/PROPOSED CONDITIONS AND	EXTERNAL STATIC
	NOT LATER THAN TEN (10) DAYS PRIOR TO THE BID OPENING SHALL REPORT TO THE ENGINEER ANY ERROR,	COOLING CAPACITY
	INCONSISTENCY, OR OMISSION IN THE CONTRACT DOCUMENTS.	HEATING CAPACITY
	PROVIDE FLEXIBLE CONNECTION FROM EACH DUCTWORK	ELECTRIC
	CONNECTION AIR MOVING EQUIPMENT.	MCA/MOCP
•	ALL DUCTS SHOWN ARE INSIDE CLEAR DIMENSIONS.	WEIGHT
•	LOCATE ALL SENSORS 48" AFF UNLESS OTHERWISE NOTED. EXACT LOCATION OF ALL THERMOSTATS SHALL BE	NOTES NOTES:
	APPROVED BY THE ARCHITECT AND THE ENGINEER AND	1. PROVIDE WITH
	OWNER'S REPRESENTATIVE.	2. PROVIDE SECON
	CONTRACTOR SHALL CLEAN ALL COILS AND REPLACE ALL FILTERS AND BELTS AT SUBSTANTIAL COMPLETION.	3. FURNISH WITH
•	AIR CONDITIONING EQUIPMENT SHALL BE AS SPECIFIED.	4. REFRIGERANT F
	ARCHITECT AND ENGINEER WILL REVIEW ANY SUBSTITUTION FOR COMPATIBILITY.	5. PROVIDE WITH
0.	DUCT SIZES AND EQUIPMENT OPENINGS THRU ROOFS, SLABS AND WALL PARTITIONS SHALL SUIT EQUIPMENT FURNISHED. SEE SHOP DRAWINGS FOR EQUIPMENT DIMENSIONS.	
1		CONDENSING UNIT
1.	PROVIDE "P" TRAP AT PACKAGED ROOFTOP UNITS PER MANUFACTURER'S SPECIFICATIONS.	MODEL No.
2.	SLEEVE AND SEAL ALL PIPING PASSING THROUGH WALLS,	AMBIENT TEMPERA
	FLOORS AND ROOF UNLESS NOTED OTHERWISE.	COMPRESSORS
3.	ALL CUTTING, PATCHING AND REPAIR WORK SHALL BE THE RESPONSIBILITY OF THE TRADE INVOLVED.	STEPS OF CAPACIT
4.	THE MAXIMUM ALLOWABLE LEAKAGE FOR THE DUCTWORK	
	IS 2%.	
5.	THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR HVAC EQUIPMENT AND DUCTWORK	COMPRESSOR AMP FAN MOTOR (FLA)
	SHOWN ON THE PLANS AND SPECIFICATIONS FOR THE ENGINEERS APPROVAL. THE ENGINEER MAY REQUIRE THE	
	CONTRACTOR TO REDO ANY WORK, WHICH WAS NOT	HSPF
	APPROVED, OR THE ENGINEER MAY REQUIRE A CREDIT TO THE OWNER. PROVIDE A SET OF AS-BUILTS AFTER THE	SEER
	JOB IS COMPLETED. THIS SET SHALL BE CONTINUOUSLY UPDATED DURING CONSTRUCTION.	WEIGHT
6.	PROVIDE AIR TURNING VANES AT ALL 90-DEGREE ELBOWS.	NOTES
	PROVIDE VOLUME DAMPERS AT EACH BRANCH TAKEOFF AS INDICATED IN THE SMACNA "HVAC DUCT CONSTRUCTION STANDARDS".	NOTES:
7.	PROVIDE FILTER RACKS WHICH ARE ACCESSIBLE FOR MAINTENANCE AND SEALED AIR TIGHT.	
8.	CONTRACTOR SHALL INSTALL HVAC SYSTEMS AS REQUIRED BY THE MANUFACTURER AND ENGINEER TO INSURE QUIET OPERATION. NO UNDUE VIBRATION OR SOUND SHALL BE	SPACE
	TRANSMITTED TO BUILDING STRUCTURE AND OCCUPIED AREAS. IF THE EQUIPMENT INSTALLED HAS A HIGHER	100 VISITOR C
	SOUND PRESSURE LEVEL THAN THE EQUIPMENT SPECIFIED, THEN IT WILL BE THE CONTRACTORS AND THE	101 VISITO
	MANUFACTURES RESPONSIBILITY TO ELIMINATE ANY ADDITIONAL NOISE TRANSMISSION.	RESTROO

MECHANICAL DRAWING INDEX

 SHEET
 DESCRIPTION

 M000
 MECHANICAL NOTES & SCHEDULES

 M100
 MECHANICAL RENOVATION FLOOR PLANS & DETAILS

SPLIT SYSTEM DX AIR HANDLER UNIT SCHEDULE

AIR HANDLER No.		FCU-1	FCU-2	F
MANUFACTURER	DAIKIN	DAIKIN	[
AIR HANDLER MODEL No.	FCQ18TAVJU	FTKB09AXVJU	FTKE	
REFRIGERANT		R-410A	R-410A	R-
NOMINAL CAPACITY	TONS	1.5	.75	
AIRFLOW	CFM (HI/MED/LO)	742/618/477	330/272/215	330/
OUTSIDE AIRFLOW	CFM	30	0	
EXTERNAL STATIC PRESSURE	IN. H ₂ 0	.5	.5	
COOLING CAPACITY	Мвн	18	8.8	
HEATING CAPACITY	Мвн	20	-	
ELECTRIC	V/ø/HZ	208/1/60	208/1/60	20
MCA/MOCP	AMPS	.6/15.0	POWER BY CU-2	POWER
WEIGHT	LBS	63	20	
NOTES	•	1-5	1-5	
NOTES:				•
	τ ςτλτ			

1. PROVIDE WITH PROGRAMMABLE T-STAT.

2. PROVIDE SECONDARY DRAIN PAN WITH FLOAT SWITCH.
 3. FURNISH WITH THERMAL EXPANSION VALVE.

REFRIGERANT PIPE SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR PIPE LENGTHS.
 PROVIDE WITH SINGLE POINT POWER CONNECTION.

HEAT PUMP SCHEDULE

CONDENSING UNIT No.		CU-1	CU-2	
MANUFACTURER	DAIKIN	DAIKIN		
MODEL No.		RZQ18TAVJU	RKB09AXVJU	RKE
AMBIENT TEMPERATURE	DB°F	95	95	
COMPRESSORS	No.	1	1	
STEPS OF CAPACITY	No.	1	1	
CIRCUITS	No.	1	1	
ELECTRIC	V/¢/HZ	208/1/60	208/1/60	20
COMPRESSOR AMPERAGE (RLA)	AMPS	-	6.75	
FAN MOTOR (FLA)	AMPS	-	.19	
MCA/MOCP	AMPS	16.5/25.0	6.95/15.0	6.9
HSPF		10.1	-	
SEER		18.6	17	
WEIGHT	LBS.	172	53	
NOTES		-	-	
NOTES:				

	ASHRAE 62.1 OUTSIDE AIR CALCULATION COMMERCIAL								
SPACE	OCCUPIABLE AREA (SF)	OCCUPANTS (#)	VENTILATION AIR CFM PER SF ²	VENTILATION AIR CFM PER PERSON	VENTILATION AIR CFM REQUIRED	VENTILATION AIR CFM SPECIFIED	EXHAUST CFM REQUIRED	EXHAUST CFM SPECIFIED	BUILDING PRESSURIZATION
							-		
100 VISITOR CENTER	122	4	.06	5	27	30			
101 VISITOR RESTROOM	62	0	0	0	0	0	70	70	
102 STORAGE	67	0	.12	0	8	0	0	70	
				TOTAL	35	30	70	140	1260

FAN SCHEDULE

MARK		EF-1	EF-2
SERVICE		EXHAUST	EXHAUST
MANUFACTURER		COOK	СООК
MODEL		GC-148	GC-148
AIR QUANTITY	CFM	70	70
EXT. STATIC PRESSURE	IN. H ₂ 0	.5	.5
FAN SPEED	RPM	902	902
DRIVE		DIRECT	DIRECT
SONES		2	2
MOTOR	HP OR W	36W	36W
ELECTRICAL	V/¢ /HZ	115/1/60	115/1/60
NOTES		1-4	1-4

1. OPERATES WITH WALL SWITCH. SEE ELECTRICAL PLANS.

2. PROVIDE WITH INTERNAL OVERLOAD PROTECTION.

3. PROVIDE WITH INTEGRAL DISCONNECT MEANS (TOGGLE SWITCH OR CORD AND PLUG).

4. PROVIDE WITH INTEGRAL SOLID STATE FAN SPEED CONTROLLER.

DATE:	8/12/20	REVISIONS	BY	DATE	ı
DATE:	8/12/20				I
DATE:	8/12/20				1
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TROOMS					

CITY PROJECT NO. 19219-019

ARC3 PROJECT NO. 18012.01

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FCU-3	
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 B09AXVJU	
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ER BY CU-3	
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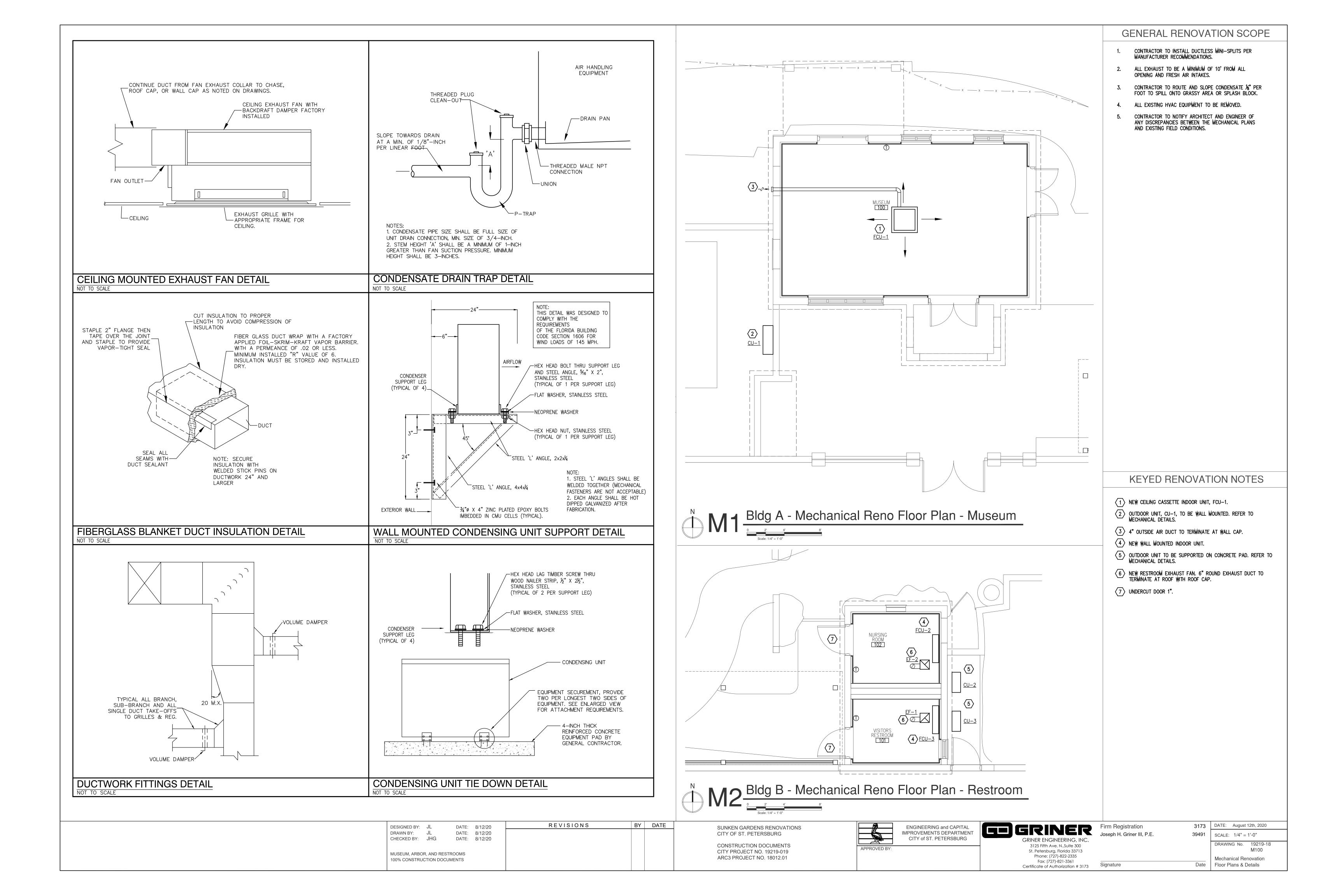


 3173
 DATE: August 12th, 2020

 39491
 SCALE: N.T.S.

 DRAWING No.
 19219-17 M000

 Mechanical Notes & Schedules



PLUMBING SPECIFICATION

<u>PART 1</u>: GENERAL

1.01 GENERAL DOCUMENTS

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS & APPLICABLE SECTIONS SHALL APPLY TO ALL PLUMBING WORK. INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE -PLUMBING.

B. THE PLUMBING WORK SHALL INCLUDE FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SERVICE NECESSARY FOR AND REASONABLY INCIDENTAL TO THE PROPER COMPLETION OF ALL PLUMBING WORK SHOWN ON THE DRAWINGS AND AS SPECIFIED. ALL MATERIAL SHALL BE NEW.

C. ALL MATERIALS AND EQUIPMENT SHALL BE THE STANDARD CATALOGED PRODUCT OF A REPUTABLE MANUFACTURER REGULARLY MANUFACTURING THE PARTICULAR ITEM, FREE FROM DEFECTS AND IN NEW CONDITION.

1.02 SUBMITTALS A. MATERIALS OR PRODUCTS SPECIFIED HEREIN AND/OR INDICATED ON DRAWINGS BY TRADE NAME, MANUFACTURER'S NAME OR CATALOG NUMBERS SHALL BE INTERPRETED AS ESTABLISHING A STANDARD OF QUALITY AND DESIGN. SUBSTITUTIONS SHALL NOT BE ALLOWED UNLESS THEY ARE SUBMITTED FOR REVIEW AND APPROVED BY BID DATE.

1.03 WORK BY OTHERS

A. THE FOLLOWING SYSTEMS AND/OR EQUIPMENT ARE NOT A PART OF THIS SECTION, BUT SHALL BE PROPERLY CONNECTED WITH ALL PLUMBING SERVICES: - ELECTRICAL POWER WIRING BY ELECTRICAL SUB-CONTRACTOR.

1.04 SHOP DRAWINGS FURNISH SIX (6) COPIES OF SHOP DRAWINGS OF EQUIPMENT OR FIXTURES FOR APPROVAL PRIOR TO PURCHASING.

1.05 RECORD DRAWINGS

– FIRE PROTECTION SYSTEM

A. AFTER COMPLETION OF ALL WORK THE PLUMBING CONTRACTOR SHALL PROVIDE THE OWNER WITH AS BUILT RECORD DRAWINGS AS OUTLINED IN SPECIFICATIONS.

<u>PART 2</u>: PRODUCTS

2.01 PIPING

A. SOIL, WASTE, VENT PIPING & STORM DRAINAGE PIPING: ABOVE FLOOR AND BELOW SLAB: INTERIOR ABOVE FIRST FLOOR SLAB SHALL BE PVC-DWV SCHEDULE 40 PIPE AND FITTING BELOW AND ABOVE SLAB EXCEPT ANY PIPING LOCATED WITHIN PLENUM SPACES OR FIRE RATED WALLS SHALL BE SERVICE WEIGHT CAST IRON, NO HUB, WITH STAINLESS STEEL CLAMPS AND SHIELDS WITH NEOPRENE SEALING SLEEVES.

B. DOMESTIC WATER PIPING: INTERIOR COLD, HOT AND HOT WATER RECIRCULATING PIPING ABOVE SLAB: DOMESTIC WATER PIPING SHALL BE TYPE L COPPER TUBING WITH LEAD FREE SOLDER JOINTS OR APPROVED PVC PIPING & FITTING. PVC PRESSURE TYPE PIPE & FITTINGS MAY BE USED ONLY IF APPROVED BY OWNER & LOCAL PLUMBING AUTHORITY.

2.02 VALVES

A. EQUAL TO NIBCO, CRANE OR WALWORTH. ALL BRONZE 150 PSI. BALL OR GATE VALVES WITH RISING STEMS.

2.03 SPECIALTIES

A. PIPE PROTECTIVE COATING: FOR STEEL OR COPPER PIPE, PERMACEL OR SCOTCHWRAP VINYL TAPE APPLIED OVER PIPE TO A TOTAL MINIMUM THICKNESS OF 20 MILS. APPLY TO ALL WATER PIPE IN CONTACT WITH MASONRY OR CONCRETE.

B. PIPE HANGERS: HANGERS FOR BARE COPPER PIPE THROUGH 4 INCH (4") DIAMETER OR SMALLER SHALL BE ADJUSTABLE RING TYPE, PLASTIC COATED EQUAL TO MICHIGAN 102A, FOR STEEL PIPE MICHIGAN 100. ALL PIPE HANGERS IN AREA'S EXPOSED TO SALT ATMOSPHERE SHALL BE CORROSION RESISTANT. ALL WATER, SANITATION, STORM AND CONDENSATE STACKS SHALL HAVE A STACK CLAMP AT ALTERNATE FLOORS. HORIZONTAL & VERTICAL PIPE SUPPORT SHALL BE AS PER SCHEDULE BELOW:

PIPE HANGER SPACING TABLE					
PIPE MATERIAL	PIPE SIZES (INCHES)	HORIZONTAL PIPE MAX. HANGER DISTANCE (FEET)	VERTICAL PIPE MAX. HANGER DISTANCE (FEET)		
COPPER & COPPER ALLOY TUBING	1¼" & SMALLER	6	10		
COPPER & COPPER ALLOY TUBING	1½" & LARGER	10	10		
COPPER & COPPER ALLOY PIPE	ALL	12	10		
CAST IRON PIPE	ALL	4 *	15		
STEEL PIPE	ALL	12	15		
STAINLESS STEEL DRAINAGE SYSTEM	ALL	10	10 **		
CPVC & PVC PIPE	ALL	4	10 **		
NOTES:					

MAXIMUM HORIZONTAL SPACING OF CAST IRON PIPE HANGERS SHALL BE INCREASED TO TEN FEET WHERE 10' LENGTHS OF PIPE ARE USED.

** MIDSTORY GUIDE FOR SIZES 2" AND SMALLER

*** NOT ALL PIPE MATERIALS ON THIS TABLE WILL PERTAIN TO THIS PROJECT

C. DRAINS AND CLEANOUTS: SEE SCHEDULE ON DRAWINGS. D. DIELECTRIC UNIONS: EBCO OR CAPITOL AT ALL POINTS OF CONNECTION BETWEEN DISSIMILAR PIPE METALS.

E. FLASHING AND VENT STACKS: ALL VENTS EXTENDING THROUGH THE ROOF SHALL BE PROVIDED WITH FOUR POUND SHEET LEAD FLASHING EXTENDING UPWARD AROUND THE PIPE AND TURNED DOWN INSIDE THE PIPE OR AS OTHERWISE SHOWN ON THE DRAWINGS. THE ROOF FLASHING SHALL BE INSTALLED BY LICENSED & INSURED ROOFING CONTRACTOR. ALL FLASHING IN METAL ROOF SHALL BE BY THE ROOF MANUFACTURER. MINIMUM DISTANCE FROM ANY FRESH AIR INTAKE SHALL BE 10'-0".

F. AIR CHAMBERS: AT EACH FIXTURE GROUP PROVIDE "SA" AS SPECIFIED IN SPECIALTIES SCHEDULE AND ELSEWHERE AS REQUIRED, AND IN ALL CONNECTIONS TO EQUIPMENT WITH SOLENOID VALVE INSTALLED ON WATER SUPPLY LINE PROVIDE ACCESS FOR WATER HAMMER ARRESTORS. THE WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

G. ESCUTCHEONS AND SLEEVES: WHERE PIPES PIERCE EXPOSED PARTITIONS, FLOORS, WALLS OR CEILINGS, PROVIDE CHROME PLATED ESCUTCHEONS TO COVER THE RAW EDGE. H. SLEEVES SHALL BE PROVIDED AT RATED WALL ALL PIPE PENETRATIONS OF MASONRY, BAY WALL,

CONCRETE WALLS AND FLOORS.

RATED WALLS AND ASSEMBLIES. SEE DETAILS ON THE DRAWING.

2.04 FIXTURES AND TRIM

A. ALL EXPOSED METAL TO BE CHROME PLATED. PROVIDE STOPS AND UNIONS AT ALL SUPPLIES AND CAST BRASS 'P' TRAPS WITH CLEANOUT ON ALL WASTE.

B. FIXTURES BY AMERICAN STANDARD, KOHLER, ELJER, STERLING OR APPROVED EQUAL.

<u>PART 3</u>: EXECUTION 3.01. INSTALLATION

A. INSTALL PIPE ABOVE GROUND PLUMB AND SQUARE WITH BUILDING LINES, ADEQUATELY SUPPORTED WITHOUT SAGS OR HIGH POINTS. CONCEAL PIPING IN OCCUPIED AREAS AND MAINTAIN HEAD ROOM AND ACCESS SPACE IN UNFINISHED AREAS. SLEEVE PIPING THROUGH ALL WALLS, SLABS OR PARTITIONS WITH ESCUTCHEONS AT ALL FINISHED SURFACE. PROVIDE UNIONS AT ALL FINAL CONNECTIONS AND STOPS ON ALL SUPPLIES. ALL PIPE OPENINGS SHALL BE PLUGGED DURING INSTALLATION.

B. SANITARY DRAINAGE PIPING 3" & LARGER SHALL BE INSTALLED WITH A MINIMUM 1/4" PER FOOT SLOPE UNLESS NOTED OTHERWISE. ALL DRAINAGE PIPING 21/2" AND SMALLER SHALL BE INSTALLED WITH A MINIMUM OF $\frac{1}{4}$ " PITCH PER FOOT.

C. ALL FIXTURES AND TRIM FOR HANDICAPPED SHALL BE INSTALLED IN COMPLIANCE WITH ADA CODE.

SIZING.

F. ALL EXPOSED TO VIEW PIPING AND FITTINGS SHALL BE POLISHED CHROME FINISH.

G. ALL WORK HANDICAPPED TOILETS SHALL COMPLY WITH ADA REQUIREMENTS. & BUILDING CODE -CHAPTER 11 ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.

H. FINAL CONNECTIONS TO DRAINAGE AND WATER SERVICE LINES TO EXISTING OR NEW AT 5'-0" FROM THE BUILDING WALLS SHALL BE BY THE PLUMBING CONTRACTOR. 3.02. DISINFECTING OF POTABLE WATER SYSTEM:

LOCAL PLUMBING INSPECTOR. 3.03. TESTS

A. ALL PLUMBING SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE BUILDING CODE-PLUMBING. ALL TESTS SHALL BE APPROVED BY THE LOCAL PLUMBING INSPECTOR AND SHALL BE OBSERVED BY A REPRESENTATIVE OF THE ARCHITECT.

3.04. SYSTEM IDENTIFICATION

A. THE PLUMBING CONTRACTOR SHALL PROVIDE IDENTIFICATION TAGS FOR ALL PIPING AND VALVES IN THE BUILDING AS PER OWNER ACCEPTED STANDARDS. THE PIPE MARKS SHALL INCLUDE PIPING SYSTEM IDENTIFICATION AND DIRECTIONS OF FLOW.

3.05 SPECIFICATIONS AND DRAWINGS

WILL BE PART OF THIS WORK.

I. PROVIDE UL LISTED FIRE STOPPING PIPE PENETRATION ASSEMBLIES AT ALL PIPING THROUGH

D. INSTALL ALL PIPING TO ALLO₩ FOR EXPANSION.

E. SEE RISER DIAGRAMS FOR ALL DRAINAGE & VENT PIPE SIZING FOR THE PLUMBING SYSTEMS. REFER TO PLUMBING FLOOR PLAN (WATER SYSTEM) & SCHEDULES FOR ALL WATER PIPING SYSTEM

A. THE SYSTEM SHALL BE FILLED WITH A SOLUTION CONTAINING 50 PARTS PER MILLION OF AVAILABLE CHLORINE AND ALLOWED TO STAND SIX HOURS BEFORE FLUSHING AND RETURNING TO SERVICE. DISINFECTION PROCEDURE AND RESULT SHALL BE SUBJECT TO THE APPROVAL OF THE

A. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE SANITARY, STORM AND DOMESTIC WATER PIPING SYSTEMS: INCLUDING ALL ASSOCIATED DEVICES, EQUIPMENT, CONTROLS, AND CONNECTIONS TO NEW SERVICES, SUPPORTS, AND HARDWARE REQUIRED FOR THE SATISFACTORY OPERATION OF THE SYSTEMS, WHETHER SPECIFICALLY SHOWN OR NOT ON THE DRAWINGS.

B. THE PLANS SHOW THE LOCATION OF ALL FIXTURES AND EQUIPMENT AND ARE INTENDED TO DEPICT THE GENERAL INTENT OF THE WORK IN SCOPE, LAYOUT AND QUALITY OF WORKMANSHIP. THEY ARE NOT INTENDED TO SHOW IN MINUTE DETAIL EVERY AND ALL ACCESSORIES INTENDED FOR THE PURPOSE OF EXECUTION OF THE WORK, BUT IT SHALL BE UNDERSTOOD THAT SUCH DETAILS

C. WHERE DRAWINGS AND SPECIFICATIONS CONFLICT, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING SUCH CONFLICT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

D. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES.

E. CONTRACTOR SHALL KEEP A RECORD OF THE LOCATIONS OF ALL CONCEALED WORK AND, UPON COMPLETION OF THE JOB, SHALL SUPPLY AS-BUILT DRAWINGS SHOWING IN COLORED PENCIL ON BLACK LINE PRINTS ANY DEVIATION FROM THE ORIGINAL DRAWINGS. THESE DRAWINGS SHALL INDICATE DIMENSIONS OF BURIED UTILITY LINES FROM BUILDING WALLS.

F. ALL DOCUMENTS, TEST REPORTS & AS-BUILTS DRAWINGS SHALL BE ATTACHED TO THE CLOSING DOCUMENT OF THE PROJECT.

3.06 WARRANTY:

A. THE PLUMBING CONTRACTOR SHALL WARRANT HIS WORK TO BE FREE FROM DEFECTS IN MATERIALS AND AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE OF ALL WORK.

3.07 COORDINATION

A. THE CONTRACTOR DOING THE SHEET METAL SHOP DRAWINGS AND THE PLUMBING, FIRE PROTECTION, AND HVAC FOREMAN AND GENERAL CONTRACTOR PROJECT MANAGER SHALL INSPECT & REVIEW THE CONDITIONS, AND SHALL COORDINATE THEIR WORK SO AS TO PROVIDE ADEQUATE SPACE ALLOWANCE ABOVE CEILING FOR ALL TRADES. ALL GRAVITY WASTE PIPING IN THE CEILING SPACE SHALL BE INSTALLED FIRST.

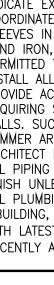
B. VERIFY LOCATIONS, SIZES, AND INVERT ELEVATIONS OF SANITARY DRAIN, AND DOMESTIC WATER PIPING CONNECTIONS WITH CIVIL ENGINEERING DRAWINGS PRIOR TO PROCEEDING WITH THE INSTALLATION OF ANY NEW WORK. SHOULD ANY DISCREPANCIES BE DISCOVERED CONTRACTOR SHALL OBTAIN DIRECTION FROM THE ENGINEER BEFORE PROCEEDING.

C. COORDINATE WITH ARCHITECTURAL DRAWINGS WALL AND PARTITION CONSTRUCTION AND THICKNESS WHERE PLUMBING PIPING, FIXTURES CARRIERS OR EQUIPMENT IS INDICATED. BEFORE PLUMBING PIPING ROUGH-IN.

D. COORDINATE EXACT LOCATION, ELEVATIONS AND SIZES OF ALL SLEEVES IN NEW STRUCTURE WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.

3.08 PERMITS

A. PLUMBING CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AT HIS EXPENSE.



SYSTEMS.

REQUIRED.

BELC SLEE LEAE ABO' BUIL THE THE PRO' TYPE PRO' TYPE PRO' TYPE PRO' SUP FRO' SSUP SSUP SSUP SSUP SSUP	VE VE VIDI VIDI VIDI VIDI VIDI VIDI VIDI	F(REI G G E TE E E S E HE N E LL E TIC RT	DEQUSRAS JRARN ANA

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DATE:	8/12/20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS	
DATE:	8/12/20				CITY OF ST. PETERSBURG	
DATE: STROOMS CUMENTS	8/12/20				CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	میں البر APPROVED BY



PLUMBING GENERAL NOTES:

THE PLUMBING CONTRACTOR SHALL VERIFY THESE DRAWINGS WITH EXISTING FIELD CONDITIONS AND SHALL COORDINATE WITH CIVIL ENGINEER LOCATIONS AND ELEVATIONS OF PLUMBING SERVICE LINES BEFORE PROCEEDING WITH CONSTRUCTION. THE WATER, SANITARY SEWER, STORM & GAS SERVICE LINES SHOWN ON THE DRAWINGS ARE FOR REFERENCE & BUILDING PERMIT ONLY. REFER TO CIVIL ENGINEERS DRAWINGS FOR DRAINAGE & WATER SERVICE LINES LAY-OUT & DETAILS

PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE SANITARY AND DOMESTIC WATER PIPING SYSTEMS; INCLUDING ALL ASSOCIATED DEVICES, EQUIPMENT, CONTROLS, CONNECTIONS TO BUILDING SERVICE LINES, SUPPORTS, AND HARDWARE REQUIRED FOR THE SATISFACTORY OPERATION OF THE

PLUMBING CONTRACTOR SHALL PROVIDE ROUTING AND OFFSETS NECESSARY T AVOID CONFLICT WITH STRUCTURE, FINISHES AND WORK OF OTHER TRADES AS

PIPING SYSTEMS SHOWN ARE DIAGRAMATIC AND ARE NOT INTENDED TO INDICATE EXACT INSTALLED LOCATIONS OR CONFIGURATIONS.

COORDINATE EXACT LOCATION, SIZE AND ELEVATIONS OF ANY REQUIRED PIPE SLEEVES IN NEW STRUCTURE WITH STRUCTURAL ENGINEER. BAND IRON, TIE WIRE, METAL STRAPPING OR WIRE STRAPPING SHALL NOT BE PERMITTED TO SUPPORT PIPING OR EQUIPMENT.

INSTALL ALL PIPING TO ALLOW FOR FUTURE EXPANSION PROVIDE ACCESS PANELS AT ALL PLACES WHERE EQUIPMENT AND DEVICES REQUIRING SERVICE ARE CONCEALED BEHIND INACCESSIBLE CEILINGS AND WALLS. SUCH DEVICES INCLUDE, BUT ARE NOT LIMITED TO, CLEANOUTS, WATER HAMMER ARRESTORS AND VALVES. COORDINATE EXACT LOCATION WITH

ARCHITECT PRIOR TO ROUGH-IN. ALL PIPING AND FITTINGS EXPOSED TO VIEW SHALL HAVE A POLISHED CHROME FINISH UNLESS OTHERWISE NOTED.

. ALL PLUMBING WORK SHALL COMPLY WITH FLORIDA BUILDING CODES -BUILDING, -PLUMBING, - MECHANICAL, AND -FUEL GAS CODE; 2017 EDITION WITH LATEST AMENDMENTS (INCLUDING LOCAL) AND ALL OTHER CODES RECENTLY ADAPTED BY STATE FIRE MARSHALL'S RULE.

DOMESTIC WATER PIPING NOTES:

OUND WATER PIPING SHALL BE TYPE "K" COPPER WITH VINYL R CORROSION PROTECTION WITH WROUGHT COPPER FITTINGS AND 95-5 SOLDERED JOINTS. OUND WATER PIPING SHALL BE TYPE "L" COPPER. COMPLY WITH

SUBCONTRACTOR SHALL PROVIDE THE BACKFLOW PREVENTOR AND MFTFR

EACH FIXTURE WITH STOPS AND SUPPLIES. EXPOSED STOPS AND SHALL BE CHROME PLATED WITH A CHROME PLATED ESCUTCHEON

INIONS FOR ALL CONNECTIONS TO EQUIPMENT. PROVIDE DIELECTRIC RE DISSIMILAR METALS ARE CONNECTED. ACUUM BREAKERS AS REQUIRED BY CODE.

RAP PRIMERS FOR ALL FLOOR DRAINS AS REQUIRED BY CODE. WATER PIPING AT 100 PSI FOR TWENTY FOUR HOURS AS REQUIRED

ALL WATER PIPING IN ACCORDANCE WITH HEALTH DEPARTMENT NS AND AMERICAN WATER WORKS SPECIFICATIONS. ALL WATER PIPING WITH PIPE HANGERS BY GRINNELL OR APPROVED

CCESS PANELS FOR ANY VALVES CONCEALED IN WALLS OR CEILING

ARY WASTE & VENT PIPING NOTES:

SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC (ASTM-2665) ROVED PVC SOLVENT WELDED FITTINGS. PVC PIPING SHALL NOT BE ETURN AIR PLENUMS OR FIRE RATED ASSEMBLIES. ARY WASTE PIPING UP TO 2 1/2" IN SIZE SHALL BE SLOPED AT $\frac{1}{4}$ " SLOPE. ALL LARGER SANITARY WASTE PIPING SHALL BE SLOPED AT 1%" PFR FOOT SLOPE.

NITARY WASTE AND VENT PIPING BY MEANS OF A 5' WATER COLUMN FOR 15 MINUTES OR AS REQUIRED BY THE LOCAL AUTHORITY.

PLUMBING DRAWING INDEX

DESCRIPTION

MBING COVER SHEET

MBING RENOVATION FLOOR PLANS

P200 PLUMBING DETAILS & SCHEDULES

PLUMBING SYMBOL LEGEND SYMBOL DESCRIPTION BALL VALVE VALVE IN UNDERGROUND BOX BACKWATER VALVE BACKWATER VALVE BELOW GRADE WITH EXTENSION \bigcirc \mathbf{i} BACKWATER VALVE IN UNDERGROUND BOX SUPPLY VALVE +-) \bullet POINT OF NEW CONNECTION -----O | PIPE UP - DIRECTION OF FLOW

PLUMBIN	NG LINETYPE LEGEND
LINETYPE	DESCRIPTION
	EXISTING SANITARY SEWER PIPING
	EXISTING DOMESTIC COLD WATER PIPING
	VENT PIPING (ABOVE GROUND)
	SANITARY SEWER PIPING (BELOW GROUND)
	DOMESTIC COLD WATER PIPING

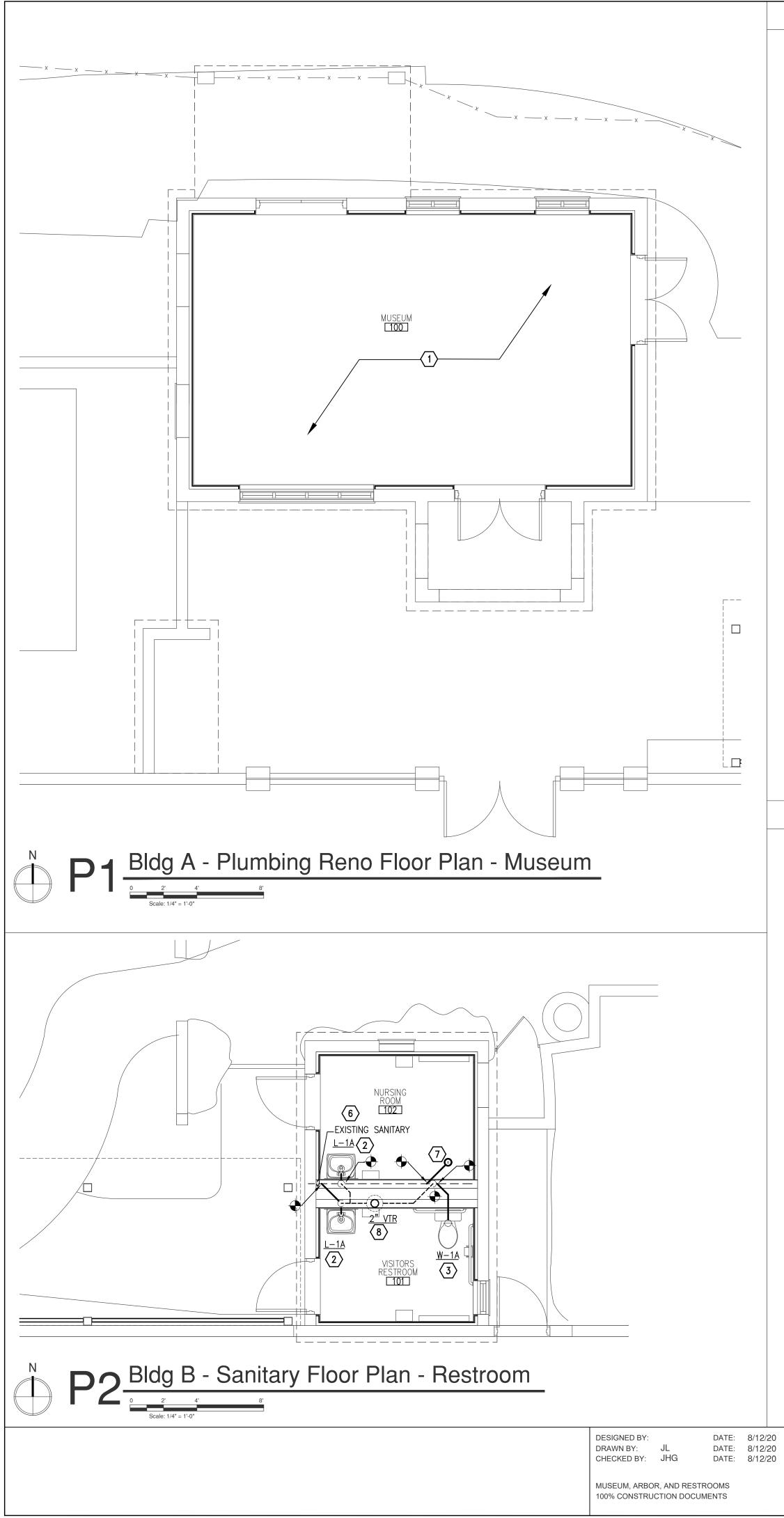
ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG



Firm Registration Joseph H. Griner III. P.E.

Date

3173 DATE: August 12th, 2020 39491 SCALE: N.T.S. DRAWING No. 19219-19 P000 Plumbing Cover Sheet

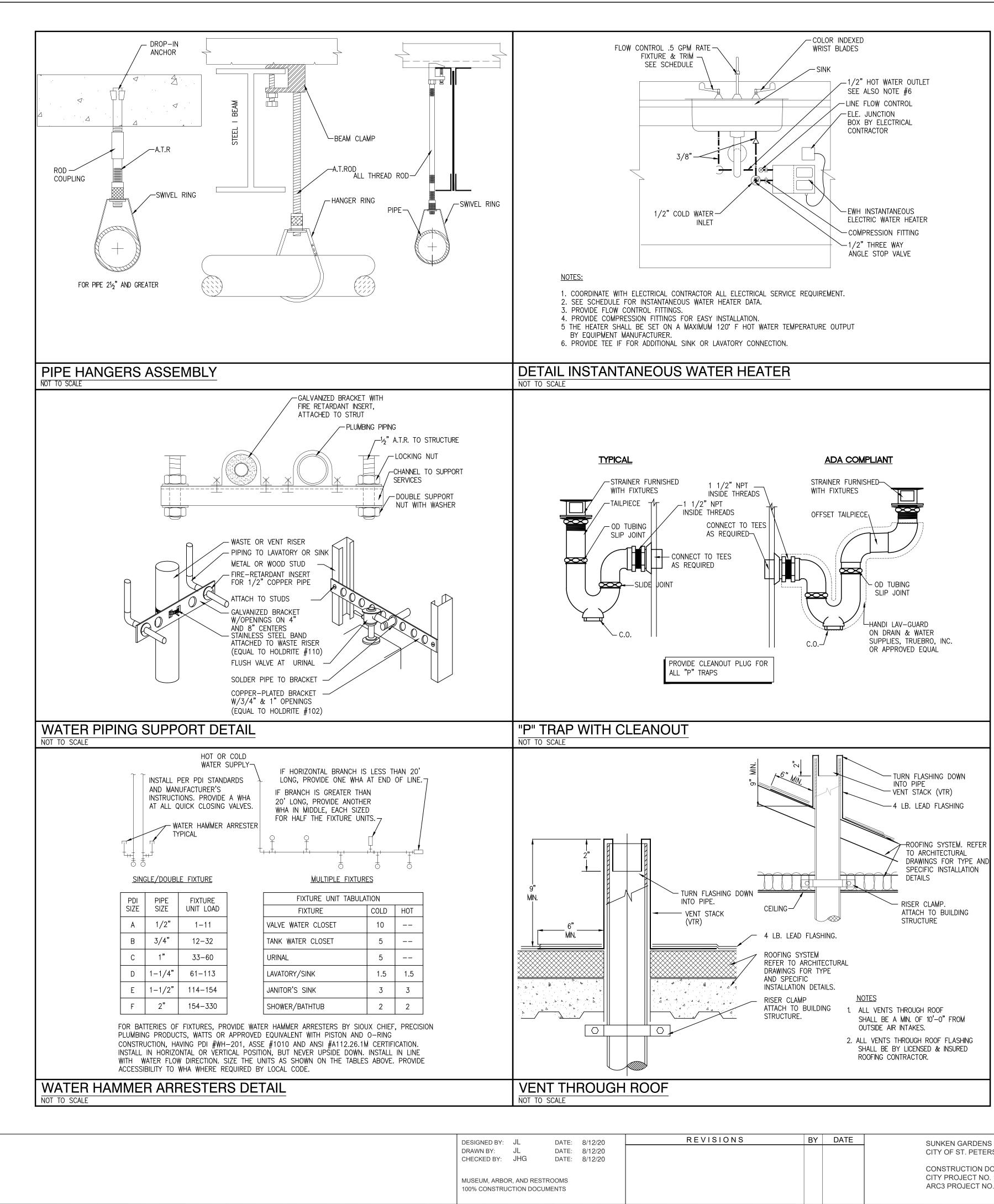


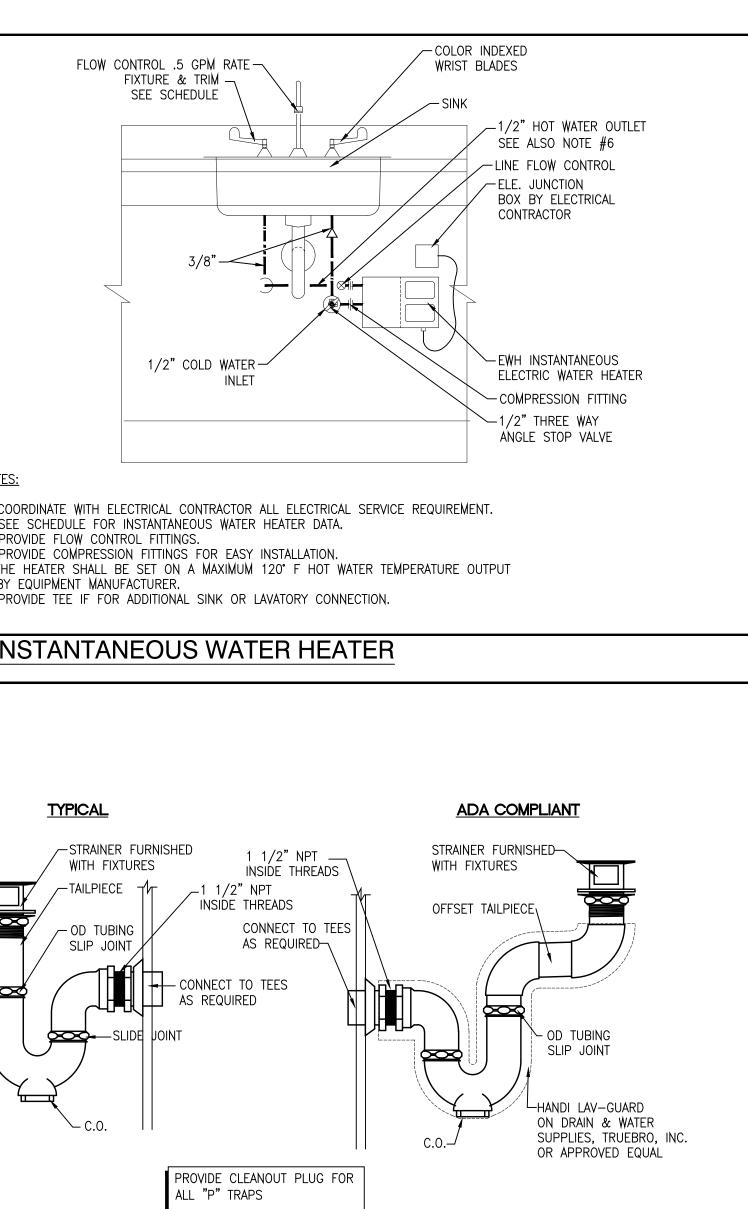
	GENERAL RENOVATION SCOPE	
	1. CONTRACTOR TO CONFIRM AND VERIFY EXACT LOCATIONS OF EXISTING PLUMBING SUPPLY, WASTE AND VENT SYSTEM FOR	
	 CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THE MECHANICAL PLANS AND EXISTING FIELD CONDITIONS. 	NURSING ROOM ID2 I I I I I I I I I I I I I I I I I I
		Bldg B - Supply Floor Plan - F
		$P3 - \frac{3}{2^{2} + 4^{2}} = 1^{2} - 0^{2}$
		2" VTR 2" VTR L-1A C C C C C C C C C C C C C
-	KEYED RENOVATION NOTES	
	 NO PLUMBING WORK IN THIS AREA. NEW WALL MOUNTED LAVATORY, REFER TO PLUMBING FIXTURE SCHEDULES. 	P4 Sanitary Riser Diagram
	 NEW FLOOR MOUNTED WATER CLOSET, REFER TO PLUMBING FIXTURE SCHEDULES. NEW ELECTRIC MINI TANK WATER HEATER MOUNTED BELOW LAVATORY. REFER TO DETAILS. MINI TANK WATER HEATER TO SERVE THE TWO NEW LAVATORIES. CONNECT TO EXISTING ¾" COLD WATER LINE IN THIS AREA. CONNECT TO EXISTING SANITARY LINE IN THIS AREA. CONTRACTOR TO CONFIRM EXISTING SANITARY LINE IS A MINIMUM OF 4" IN DIAMETER FOR CONNECTION. 4" SANITARY STUB UP FOR FUTURE WATER CLOSET. CONTRACTOR TO CONFIRM EXISTING SANITARY LINE IS A MINIMUM OF 4" IN DIAMETER FOR CONNECTION. NEW 2" VENT TO ROOF. NEW WALL MOUNTED LAVATORY. REFER TO PLUMBING FIXTURE 	L-1A EXISTING ³ / ₄ " COLD WATER LINE ALONG WALL EWH W-1A ³ / ₄ "
	 NEW WALL MOUNTED LAVATORY, REFER TO PLUMBING FIXTURE SCHEDULES. HOT WATER TO BE PROVIDED BY NEW INSTAHOT LOCATED IN 101 VISITORS RESTROOM. PROVIDE ½" CAPPED COLD WATER LINE FOR FUTURE WATER CLOSET. 	P5 Supply Riser Diagram
ATE: 8/12/2 ATE: 8/12/2 ATE: 8/12/2	0	SUNKEN GARDENS RENOVATIONS CITY OF ST. PETERSBURG

CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01

APPROVED BY:







	MARK	MAKE & MO	DDEL	TYPE	DIMENSION
	ЕӍН	eeMax Mini tank		ELECTRIC TANK	12.76"X12.27 18.03"
	NOTES: 1. PROVIDE	E FACTORY	INST	ALLED HEAV	y duty ele
	2. INSTALL	. WATER HI	EATER	IN ACCORD	ANCE TO F
	3. CONTAC	T MANUFA	CTURE	RS REPRES	ENTATIVE FO
	4. INSTALL AND APPLI	. WATER HI CABLE STA	EATER	IN ACCORD DS AND MAI	ANCE WITH
	5. PROVID	E BRASS E	RAIN	VALVE, & A	LL REQUIR
	6. PROVIDI	ED WITH IN	ITEGR.	ated Mixing	VALVE TH
-					
	MA	RK		FIXTURE	, MODEL NUM
	L-	1A	AMER #590 ⁻ PROFI SUPP	ORY, ADA COM ICAN STANDAR IP1120 HIGH LO M155A 1¼' LIES, STOPS, I LLATION.	D #9140.047 RISE PROXIMI 'CHROME PL
	₩-	-1A	#246 15000	R CLOSET, FLC 7.016 WHITE E CCSSWH OPEN ED FOR COMP	LONGATED BO FRONT SEAT
				LL BE BRASS DLISHED CHRO	
	2. CAST E POLISHED	BODY "P" T CHROME FIN	RAP NISH. 1	1¼"×1¼"WI MANUFACTUR	TH HEAVY (ER: BRASS
	3. STRAINE	ERS SHALL	BE F	URNISHED WI	TH FIXTURES
		E TRUEBRO & WASTE I		EL 103 (WHIT	E), ANTIMICF

		PL
MARK	DESCRIPTION	MANUFACTUREF
SA	WATER HAMMER ARRESTOR	ZURN

BEFORE CONSTRUCTION BEGIN.

DATE:	8/12/20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS	
DATE: DATE:	8/12/20 8/12/20				CITY OF ST. PETERSBURG	
) RESTROOMS DOCUMENTS					CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	APPROVED



	WATE	R HEAT	ER SCH	IEDU	LE					
S	STORAGE (GALLONS)	EFFICIENCY	RECOVERY RATE	INPUT (BTUH)	FLUE (INCHES)	NUM OF ELEMENTS	E KW EA	LECTRICA KW TOTAL	L VOLTAGE	PHASE
ν"χ			24 MINUTES © 60°F			1	1.4	1.4	120	1

ECTRICAL JUNCTION BOX, CONTROLS, WITH T-STATS SET ON 105°F.

FPC, FMC CODES, NEC, AND APPLICABLE STANDARDS AND MANUFACTURERS RECOMMENDATIONS. FOR HEATERS ELECTRICAL DATA BEFORE FINAL ORDER IS MADE.

BUILDING CODE - PLUMBING & MECHANICAL (WITH LATEST AMENDMENTS) CODES, ENERGY CODE, ERS RECOMMENDATIONS.

RED OPTIONS TO COMPLETE THE INSTALLATION.

HAT MEETS ASSE 1070 STANDARDS.

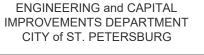
PLUMBING FIXTURE SCHEDULE						
UMBER AND DESCRIPTION		ROUC	GH-IN			
UNIBER AND DESCRIPTION	WASTE	VENT	CW	HW		
ALL HUNG, ZURN Z1231 CARRIER, 47 WHITE, 1 HOLE PUNCH, DELTA MITY SENSOR OPERATED FAUCET. PLATED DRAIN. PROVIDE TRAP, VE, ETC FOR COMPLETE	2"	2"	1/2"	¥2"		
ED TANK TYPE, AMERICAN STANDARD BOWL, VITREOUS CHINA, CENTOCO AT LESS COVER. PROVIDE ALL ITEMS LLATION.	3"	2"	1/2"			
ISS ANGLE STOPS FOR ½" WATER 1. MANUFACTURER: BRASS CRAFT (AP), AND WALL FL	ANGE. ALL		
CAST J-BEND & FLAT CLEANOUT CRAFT OR APPROVED EQUAL.	F PLUG, SLIP NUTS	AND WALL FLANGE	E. ALL COMPONENTS	S SHALL BE		
ES AS REQUIRED. FOR H/C LAVAT	ORY OR SINKS PRO	VIDE OFFSET TAILF	PIECE.			
CROBAL HANDI LAV-GUARDS INSTA	LLATION KIT FOR A	ALL WHEELCHAIR LA	VATORY & SINKS I	FOR WATER		

5. THE PLUMBING FIXTURES VENDOR SHALL COORDINATE WITH THE PLUMBING AND GENERAL CONTRACTOR ALL PLUMBING FIXTURES ROUGH IN DIMENSIONS

6. UNLESS SHOWN ABOVE, PLUMBING FIXTURES MANUFACTURER, TRIM COLOR AND FINISH SHALL BE FURNISHED AS DIRECTED BY OWNER/ARCHITECT.

LUMBING SPECIALTIES SCHEDULE

RER	MODEL/PART NUMBER	DETAILED DESCRIPTION
	Z1700	ALL STAINLESS STEEL CONSTRUCTION, $\frac{3}{4}$ " & 1", SIZE PER MANUFACTURER'S RECOMMENDATIONS



GDGRINER GRINER ENGINEERING, INC. 3125 Fifth Ave. N.,Suite 300 St. Petersburg, Florida 33713 Phone: (727)-822-2335 Fax: (727)-821-3361

Firm Registration Joseph H. Griner III, P.E.

Date Schedules

3173 DATE: August 12th, 2020 39491 SCALE: N.T.S. DRAWING No. 19219-21 P200 Plumbing Details &

Certificate of Authorization # 3173 Signature

	ELECTRICAL SYMBOL LEGEND				
SYMBOL	DESCRIPTION	MOUNTING			
	2 X 2 FLUORESCENT FIXTURE	SEE FIXTURE			
	LETTER INDICATES TYPE 2 X 4 FLUORESCENT FIXTURE	SCHEDULE SEE FIXTURE			
	LETTER INDICATES TYPE SHADING DENOTES FIXTURE WITH EM BATTERY PACK.	SCHEDULE SEE FIXTURE			
	'NL' DENOTES FIXTURE UNSWITCHED FOR NIGHT LIGHT 2 X 4 FLUORESCENT FIXTURE (LETTER INDICATES TYPE)	SCHEDULE SEE FIXTURE			
E	SHADING DENOTES FIXTURE FED FROM EMERGENCY SUPPLY	SCHEDULE			
	FLUORESCENT STRIP FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE			
	FLUORESCENT WALL BRACKET FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE			
OL	RECESSED DOWNLIGHT LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE			
Ø ₇	EXTERIOR DOWNLIGHT FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE			
ØH _w	EXTERIOR WALL MOUNTED FIXTURE	SEE FIXTURE			
<u>₩</u> _ ⊕	LETTER INDICATES TYPE INTERIOR PENDANT FIXTURE	SCHEDULE SEE FIXTURE			
	LETTER INDICATES TYPE EXTERIOR SURFACE MOUNT FIXTURE	SCHEDULE SEE FIXTURE			
	LETTER INDICATES TYPE	SCHEDULE SEE FIXTURE			
	EXTERIOR BOLLARD	SCHEDULE			
<u> </u>	WALL LOW MOUNTED FIXTURE	SEE FIXTURE SCHEDULE			
	CEILING FAN	SEE FIXTURE SCHEDULE			
H EX	EXIT-SHADING DENOTES FACEPLATE LOCATION. LETTER INDICATES TYPE. PROVIDE ARROWS AS REQUIRED.	SEE FIXTURE SCHEDULE			
₩ x1	DENOTES EMERGENCY WALL PACK. LETTER INDICATES TYPE.	SEE FIXTURE SCHEDULE			
	DENOTES TRACK LIGTHING. LETTER INDICATES TYPE.	SEE FIXTURE SCHEDULE			
S S₃ D	SINGLE POLE SWITCH (20A-120/277)	48" AFF OR AS			
SFR	'3' DENOTES 3-WAY 'D' DENOTES DIMMER 'T' DENOTES TOGGLE SWITCH	ABOVE CEILING			
	OCCUPANCY SENSOR	48" AFF OR AS			
		48" AFF OR AS			
Ŝ	LOW VOLTAGE LIGHTING SWITCH	NOTED			
IG CH	DUPLEX RECEPTACLE, 125V, 20A 'IG' DENOTES ISOLATED GROUND	18" AFF OR AS NOTED			
C	DUPLEX RECEPTACLE, 125V, 20A	18" AFF OR AS NOTED			
•	DUPLEX RECEPTACLE, 125V, 20A	48" AFF OR AS NOTED			
#	QUAD RECEPTACLE, 125V, 20A	18" AFF OR AS NOTED			
€	SINGLE RECEPTACLE, 208V OR 240V	18" AFF OR			
<u>F</u>	CEILING MOUNTED COILED REEL EXTENSION RECEPT.	AS NOTED			
	FLOOR BOX WITH QUAD RECEPTACLE.				
JB	JUNCTION BOX	SEE DETAIL OR AS NOTED			
\mathbf{X}	POWER/TELEPHONE POLE	SEE DETAIL OR AS NOTED			
	OUTLET BOX OR J-BOX FOR POWER AND DATA SUPPLY TO FURNITURE SYSTEMS	18" AFF OR AS NOTED			
Ф▼	FLOOR BOX WITH 20A DUPLEX RECP. AND DATA OUTLET.	SEE DETAIL OR AS NOTED			
	COMBINATION VOICE/DATA OUTLET	18" AFF OR AS			
	DATA OUTLET	NOTED 18" AFF OR AS			
• ▽		NOTED 18" AFF OR AS			
•	VOICE OUTLET	NOTED 18" AFF OR AS			
	FAX OUTLET	COORIDANE WITH			
CR	CARD READER	SECURITY INSTALLER			
SC	SURVEILLANCE CAMERA	COORIDANE WITH SECURITY INSTALLER			
TV	T.V. OUTLET	18" AFF OR AS NOTED			
	PANELBOARD 120/208V	SEE PANEL SCHEDULE			
	PANELBOARD 277/480V	SEE PANEL SCHEDULE			
\frown	RACEWAY CONCEALED IN WALL OR ABOVE CEILING	SEE SPECIFICATIONS			
`	UNDERGROUND OR UNDER FLOOR CONDUIT	SEE SPECIFICATIONS			
	HOMERUN TO PANEL. LETTERS INDICATE PANEL,				
Coller-	NUMBERS INDICATE CIRCUIT. NOTE: HASH MARKS INDICATES THE NUMBER OF WIRES EXCLUDING	SEE SPECIFICATIONS			
	THE REQUIRED EQUIPMENT GROUND.				
5	MOTOR, NUMERAL INDICATES HORSEPOWER	AS NOTED			
\$	MOTOR RATED SWITCH WITH OVERLOAD RELAYS AS REQUIRED.	MOUNTED ADJACENT TO EQUIPMENT			
	NON-FUSIBLE SAFETY SWITCH-SIZE AS NOTED	SEE SPECIFICATIONS			
	FUSIBLE SAFETY SWITCH-SIZE AS NOTED	SEE SPECIFICATIONS			

AFF - AHU - BFG - CW - DACP - DACP - EG - EG - EWH - FCU - FLA - GFI - HID - HORIZ - IG - HP -	ABOVE FINISHED FLC AIR HANDLING UNIT BELOW FINISHED GR CONDUIT COOL WHITE DOOR ALARM CONTR FEED DOWNWARD EXHAUST FAN EQUIPMENT GROUND ENCLOSURE ELECTRIC WATER CO ELECTRIC WATER CO ELECTRIC WATER HE EXPLOSION PROOF FAN COIL UNIT FRACTIONAL HORSEP FULL LOAD AMPERES GROUND GROUND FAULT INTE HIGH INTENSITY DISC HORIZONTAL ISOLATED GROUND LIGHT WHITE HORSEPOWER, HEAT
	NATIONA
	<u>ALL WORK SHAL</u>
	ELECT
	-
PIECE- CHECK FORTH APPRO REVIEW	FALL ELECTRICAL SYS -BY—PIECE SUBMISSIOI CONTENTS OF EACH HEREIN, SUBMITTAL S VAL AND WILL NOT BE /ED MAXIMUM TWICE A BE INVOICED AT \$85.
PIECE- CHECK FORTH APPRO REVIEW <u>SHALL</u>	-BY—PIECE SUBMISSIOI CONTENTS OF EACH HEREIN, SUBMITTAL S VAL AND WILL NOT BI /ED MAXIMUM TWICE A
PIECE- CHECK FORTH APPRO REVIEW <u>SHALL</u> <u>NOTE:</u> 1. AL	-BY—PIECE SUBMISSIOI CONTENTS OF EACH HEREIN, SUBMITTAL S VAL AND WILL NOT BI /ED MAXIMUM TWICE A
PIECE- CHECK FORTH APPRO REVIEW <u>SHALL</u> 1. AL 2. NC	-BY-PIECE SUBMISSIO CONTENTS OF EACH HEREIN, SUBMITTAL S VAL AND WILL NOT BE IED MAXIMUM TWICE A BE INVOICED AT \$85.
PIECE- CHECK FORTH APPRO REVIEW SHALL 1. AL 2. NC PROJ	-BY-PIECE SUBMISSIO CONTENTS OF EACH HEREIN, SUBMITTAL S VAL AND WILL NOT BE (ED MAXIMUM TWICE A BE INVOICED AT \$85. I MOUNTING HEIGHTS T ALL SYMBOLS APPE
PIECE- CHECK FORTH APPRO REVIEW SHALL 1. AL 2. NC PROJ	-BY-PIECE SUBMISSIO CONTENTS OF EACH HEREIN, SUBMITTAL S VAL AND WILL NOT BE IED MAXIMUM TWICE A BE INVOICED AT \$85.
PIECE- CHECK FORTH APPRO REVIEW SHALL 1. AL 2. NC PROL 1. THE EI DIAGF 2. ADD BUILD	-BY-PIECE SUBMISSIO CONTENTS OF EACH HEREIN, SUBMITTAL S VAL AND WILL NOT BE (ED MAXIMUM TWICE A BE INVOICED AT \$85. I MOUNTING HEIGHTS T ALL SYMBOLS APPE

3.	ADD I	ΝΕW	POWER	&	D
	BOTH	THE	BUILD	ING	S.

4.	EACH BUILDING SHAL
	BOTH THE NEW PANEL
	DISCONNECT. REFER T

ZIHT	SUMMARY	PROVIDES	ТНЕ

	OVIDES THE SCOPE OF WORK TO BE PERFORMED. CONTRACTOR SHALL BE RESPONSIBLE ECESSARY EQUIPMENT, HARDWARE AND SOFTWARE FOR A COMPLETE WORK DELIVERY.
DRA	
SHEET NUMBER	DRAWING TITLE
E000	ELECTRICAL COVER SHEET
E100	ELECTRICAL PLAN
E101	LOAD SUMMARY & POWER RISER SHEET
E201	ELECTRICAL SPECIFICATIONS

*NOTE - ALL SYMBOLS SHOWN MAY NOT BE USED.

DESIGNED BY: SK DRAWN BY: SK CHECKED BY: JAR

ABBREVIATIONS:										
OOR	HVAC — HEATING, VENTILATING, AIR CONDITIONING JB — JUNCTION BOX									
RADE	LRA – LOCKED ROTOR AMPERES MCB – MAIN CIRCUIT BREAKER									
ROL PANEL	MLO – MAIN LUGS ONLY N – NEUTRAL NL – NIGHT LIGHT									
)	OB – OUTLET BOX PB – PULL BOX, PUSH–BUTTON									
DOLER EATER	PS – PAY STATION SF – SUPPLY FAN SPEC – SPECIFICATIONS									
POWER S	SW — SHOW WINDOW TL — TWISTLOCK TTB — TELEPHONE TERMINAL BOARD TVTB — TELEVISION TERMINAL BOARD									
ERRUPTER CHARGE	UNO – UNLESS NOTED OTHERWISE UP – FEED UPWARD VERT – VERTICAL WM – WATT MISER									
PUMP	WP — WEATHERPROOF WW — WARM WHITE XFMR — TRANSFORMER									

IAL ELECTRIC CODE NOTES:

L CONFORM TO THE REQUIREMENTS OF NFPA 70 -2014 NATIONAL ELECTRIC CODE

FRICAL SUBMITTAL NOTES:

'STEMS SUBMITTALS AT ONE (1) TIME IN ONE (1) INTEGRAL GROUP. ION OF INDIVIDUAL ITEMS WILL NOT BE ACCEPTABLE. ENGINEER MAY SUBMITTAL SET UPON INITIAL DELIVERY; IF NOT COMPLETE AS SET sets May be returned to contractor without review and BE ACCEPTED UNTIL MADE COMPLETE, SHOP DRAWINGS WILL BE AS PART OF THIS CONTRACT. ADDITIONAL SHOP DRAWING REVIEWS 5.00 PER HOUR, BILLABLE TO THE SUB-CONTRACTOR.

SHOWN ARE TO THE TOP OF THE DEVICE UNLESS NOTED OTHERWISE PEAR ON PLANS.

MARY

E AND SERVICE FEEDERS SHALL BE NEW. REFER TO THE RISER HEET E101 FOR DETAILS

XTURES ACCORDING TO THE PROPOSED FLOOR PLANS OF BOTH

DATA OUTLETS ACCORDING TO THE PROPOSED FLOOR PLANS OF

EACH BUILDING SHALL HAVE A SEPARATE NEW PANEL AS SHOWN ON THE PLANS. ELS SHALL HAVE A MAIN BREAKER THAT ACTS AS A MEANS OF TO THE RISER DIAGRAM NOTES ON SHEET E101 FOR DETAILS. 5. FIRE ALARM SYSTEM WILL BE BY OTHERS (IF NEEDED).

ELECTRICAL GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2017 NATIONAL ELECTRIC CODE 2014, NFPA 70. NFPA 101 & NFPA 72 (CURRENT ADOPTED EDITIONS). ANY OTHER APPLICABLE CODE REFERENCES AND ALL LOCAL ORDINANCES.
- BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF WORK AND THE EXTENT OF DEMOLITION. THE SUBMISSION OF A BID WILL BE EVIDENCED THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN <u>FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.</u>
- ELECTRICAL CONTRACTOR SHALL BE EXPERIENCED IN PERFORMING AND INSTALLATION OF WORK SIMILAR TO THAT REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL SUBMIT A LIST OF AT LEAST FIVE PROJECTS THAT THEY BEEN CONTRACTED AND COMPLETED CONSTRUCTION WITH SIMILAR PROJECT SCOPE OF WORK.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL HAVE STUDIED AND COMPARED THE CONTRACT DOCUMENTS WITH EXISTING/PROPOSED CONDITIONS AND NOT LATER THAN TEN (10) DAYS PRIOR TO THE BID OPENING SHALL REPORT TO THE ENGINEER ANY ERROR, INCONSISTENCY, OR OMISSION IN THE CONTRACT DOCUMENTS.
- ELECTRICAL EQUIPMENT SHALL BE AS SPECIFIED. ARCHITECT AND ENGINEER WILL REVIEW ANY SUBSTITUTION FOR COMPATIBILITY. 6. ALL CUTTING, PATCHING AND REPAIR WORK SHALL BE THE RESPONSIBILITY OF THE TRADE INVOLVED.
- PROTECT ELECTRICAL EQUIPMENT AND INSTALLATIONS AS NECESSARY. IF DAMAGED OR DISTURBED IN THE COURSE OF THE WORK, REMOVE
- DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL CAPACITY, QUALITY, AND FUNCTIONALITY. THE CONTRACTOR SHALL INCLUDE WITHIN THE BID ALL REQUIRED OFF HOUR, OVERTIME, AND NON-BUSINESS HOUR WORK AS REQUIRED.
- ALL WORK SHALL BE COORDINATE WITH OTHER TRADES FOR ITEMS IN THEIR SCOPE OF WORK WHICH WOULD REQUIRE ELECTRICAL WORK (DISCONNECTION/RECONNECTION ETC.) AND ARE NOT INDICATED ON THE ELECTRICAL PLANS. ALL SUBCONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH OTHER TRADES. LACK OF THIS COORDINATION RESULTING IN ADDED COST TO THE CONTRACT WILL BE BORNE BY THE SUBCONTRACTOR.
- 10. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR ELECTRICAL EQUIPMENT SHOWN ON THE PLANS AND SPECIFICATIONS FOR THE ENGINEERS APPROVAL. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO REDO ANY WORK, WHICH WAS NOT APPROVED, OR THE ENGINEER MAY REQUIRE A CREDIT TO THE OWNER. PROVIDE A SET OF AS BUILTS AFTER THE JOB IS COMPLETED. THIS SET SHALL BE CONTINUOUSLY UPDATED DURING CONSTRUCTION.
- . PROVIDE IDENTIFICATION FOR ALL LIGHT FIXTURES AND ALL ELECTRICAL COVER PLATES WITH PERMANENT MARKER ON A SELF-ADHERING TAG INDICATING PANEL AND CIRCUIT NUMBER. TYPICAL FOR ALL LIGHTING AND POWER DEVICES.
- 12. ALL WORK SHALL BE PERFORMED DURING TIME PERIODS ACCEPTABLE TO THE OWNER. SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING.
- 13. THE CONTRACTOR SHALL PERFORM ALL TEMPORARY WORK NECESSARY TO MAINTAIN CONTINUITY OF ELECTRICAL SERVICE (LIKE SAWPOLE SERVICE) WHEN CONNECTION IS MADE. THIS SERVICE SHALL NOT BE INTERRUPTED WITHOUT PRIOR CONSENT OF THE OWNER'S REPRESENTATIVE AND MAY BE INTERRUPTED ONLY AT AND FOR THE SPECIFIED TIME DESIGNATED BY OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE GUIDED BY THE OWNER'S REPRESENTATIVE AT ALL TIMES IN MATTERS AFFECTING THE FACILITIES.
- 14. THE CONTRACTOR SHALL COORDINATE ALL PHASING OF ELECTRICAL WORK AS REQUIRED AND INDICATED ON THE ELECTRICAL DRAWINGS.
- 15. THE OWNER PROJECT REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO CUTTING OF ANY STRUCTURAL ITEM (I.E. CONCRETE FLOOR, MASONRY, WALL, ETC.) WITHIN THE EXISTING BUILDING. METHOD OF CUTTING SHALL BE APPROVED BY THE OWNER PROJECT REPRESENTATIVE. 16. CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE BUILDING WATERTIGHT DURING CONSTRUCTION.
- 17. ALL WIRING IN CEILING SPACE OR IN AIR HANDLING PLENUMS NOT IN CONDUIT SHALL BE UL LISTED AS SUITABLE FOR PLENUM USE.
- 18. ALL JUNCTION BOXES AND COVER PLATES SHALL BE PAINTED AND LABELED.
- 19. ALL RECEPTACLES WITHIN (6) FEET OF PLUMBING FIXTURES SHALL BE PROVIDED WITH 5 MILLIAMP GROUND FAULT INTERRUPTERS. (GFCI RECEPTACLES)
- 20. EXIT SIGNS AND ALL EMERGENCY LIGHTING SHALL BE WIRED AHEAD OF ANY SWITCHING OR CONTACTORS. DO NOT SWITCH EXIT SIGNS OR EMERGENCY NIGHT LIGHTS. CONTRACTOR SHALL PROVIDE AN UNSWITCHED HOT TO BYPASS ANY SWITCHING AND/OR CONTRACTORS FOR ALL SWITCHED EMERGENCY LIGHTING.
- 21. EDGE OF LIGHT SWITCH WALL PLATE SHALL BE NOT MORE THAN 4" AWAY FROM METAL/WOOD DOOR FRAME. TYPICAL FOR SINGLE OR MULTIPLE WALL SWITCHES.
- 22. CONFIRM MOUNTING HEIGHTS AND COORDINATE LOCATION OF ALL OUTLETS, SWITCHES, AND OTHER DEVICES WITH ARCHITECTURAL ELEVATIONS (FURNITURE LAYOUT) PRIOR TO ROUGH-IN.
- 23. PROVIDE SEAL FOR PENETRATION OF FIRE RATED WALLS BY CONDUIT.
- 24. BACK TO BACK RECEPTACLES IN ALL ONE HOUR FIRE RATED WALLS SHALL BE LOCATED A MINIMUM OF 24" ON CENTER.
- 25. BRANCH CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN NO. 12 AND WHERE BRANCH CIRCUIT CONDUCTOR RUNS FROM SOURCE (PANEL) TO THE LAST DEVICE ON THE CIRCUIT EXCEEDS 75 FT. IN LENGTH, THE CONDUCTORS SHALL BE NO. 10 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT. FOR RUNS OVER 150 FT. IN LENGTH THE CONDUCTOR SHALL BE NO. 8 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT. THE ABOVE APPLIES TO 120 VOLT CIRCUITS ONLY.
- 26. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL AND DISPOSAL OF ALL ELECTRICAL MATERIAL WHICH IS NOT TO BE USED ON THE PROJECT. CONTRACTOR SHALL REMOVE AND STORE ANY ELECTRICAL MATERIAL IF SO DIRECTED BY OWNER. PATCH AND PAINT WALLS AND CEILINGS AS REQUIRED THE CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW LIGHTING FIXTURES, RECEPTACLES, PANEL BOARDS, ETC. WITH EXISTING STRUCTURE, PIPING, ETC. AND MAKE ADJUSTMENTS AS REQUIRED.
- 27. REFER TO ELECTRICAL SPECIFICATIONS SHEET FOR REQUIREMENTS.
- 28. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL INSURE THAT ALL SYSTEMS OPERATE AS DESIGNED AND REQUIRED AND SHALL REVIEW THEIR OPERATION WITH THE OWNER AND PROVIDE TRAINING OF THE MAINTENANCE PERSONNEL. COMPLETE SET OF AS-BUILT DRAWINGS SHALL BE COMPILED (BY THE CONTRACTOR) AND ISSUED (1 EACH) TO THE ARCHITECT AND BUILDING MAINTENANCE PERSONNEL UPON COMPLETION OF CONSTRUCTION AND TESTING.
- 29. ALL FEEDERS SIZING (BRANCH AND SERVICE ENTRANCE CONDUCTORS) BASED IN AMPACITY OF COPPER THHW CONDUCTORS (NEC 2014 TABLE 310.15(B)(16)) UNLESS OTHERWISE NOTED.

DATE:	8/12/20	REVISIONS BY	DATE	SUNKEN GARDENS RENOVATIONS		ENGINEERIN
DATE: DATE:	8/12/20 8/12/20			CITY OF ST. PETERSBURG		IMPROVEMENT CITY of ST. F
STROOMS CUMENTS				CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	APPROVED BY:	

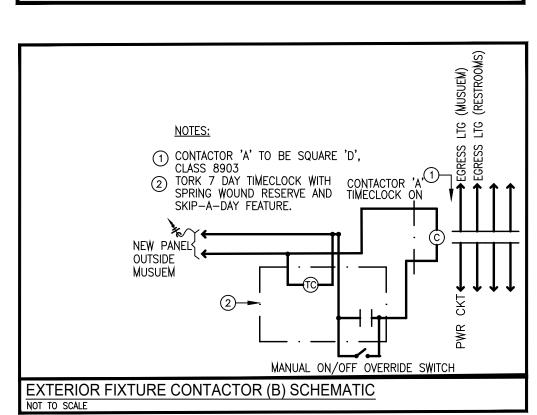
NG and CAPITAL ITS DEPARTMENT PETERSBURG	GEDGRINER GRINER ENGINEERING, INC.	Firm Registration Jose A Rosario, P.E.
	3125 Fifth Ave. N.,Suite 300 St. Petersburg, Florida 33713 Phone: (727)-822-2335 Fax: (727)-821-3361 Certificate of Authorization # 3173	Signature

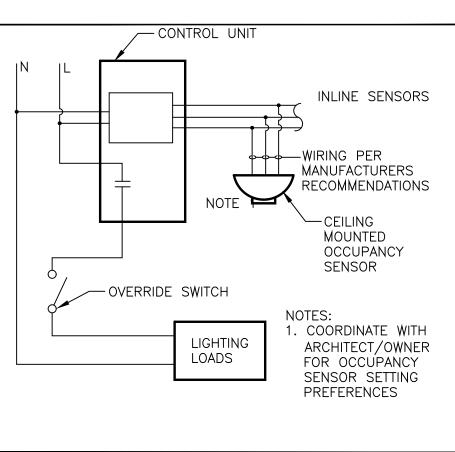
3173 DATE: August 12th, 2020 74457 SCALE: N.T.S. DRAWING No. 19219-22 E000 Electrical Date Cover Sheet

			LIGHTING FIXTURE SCHEDULE				
#	MANUFACTURER	WATTS	VOLTS	MOUNTING			
DE	HALO COMMERCIAL	HC420D010REM7-HM412840- 41WDC	4" RECESSED CAN LIGHT FIXTURE. THIS FIXTURE SHALL HAVE EMERGENCY BATTERY PACK.	LED	20	UNV	RECESSED
	WAC LIGHTING OR EQUALS BY TBL	EXTERMINATOR II— MODEL #1023 LED	LED SUSPENDED TRACK FIXTURES HUNG AT HEIGHT DIRECTED BY OWNER/ARCHITECT	LED	22W/LAMP HEAD	120	SUSPENDED
W1	CREATIVE SYSTEMS LIGHTING	L\XX-30-35-10-BK-2-S XX- U5 (UP) OR D5 (DO\N)	5" WALL MOUNT CYLINDER- UP/DOWN LIGHT.	LED	30W	UNV	WALL
S2	LUMARK	NFFLD-C40-E-UNV-66-S- BK-7030	NIGHT FALCON SPOTLIGHTS	LED	128₩	UNV	WALL
S1	TO BE SELECTED BY OWNER/ARCH OR EQUALS BY TBL	to be deterMined	OVERHEAD STRING PATIO LIGHTS		MAX3W /LAMP	120	SUSPENDED
₩2	METALUX	4BCLED-LD4-32SL-F-UNV- L835-CD1-U	WALL BRACKET LED LIGHTS	LED	32₩	UNV	WALL
Х	SURE-LITES	APX7GBK	LED EXIT LIGHTING— GREEN. THIS FIXTURE SHALL EMERGENCY BATTERY PACK	LED	1.33₩	120	CEILING/WALL
XR	SURE-LITES	APC7RSQ	EMERGENCY EXIT COMBO. THIS FIXTURE SHALL HAVE EMERGENCY BATTERY PACK.	LED	3.7W	120	CEILING/END
	ALL FIXTURES E TBL— TAMPA B		IOTES EMERGENCY FIXTURES (NFPA 101 COMPLIANT)				

CONTACT INFORMATION OF LIGHTING VENDOR

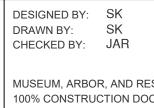
- FOR FIXTURES SELECTION & MORE INFORMATION PLEASE CONTACT JEFFREY BUCHANA FROM TAMPA BAY LIGHTING CONTACT NAME: JEFFREY BUCHANAN PHONE: 813-451-2234
- E-MAIL: jeffrey@tampabaylighting.com



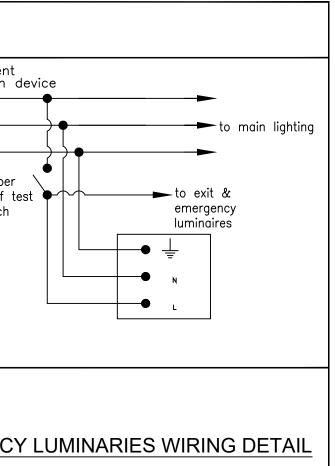


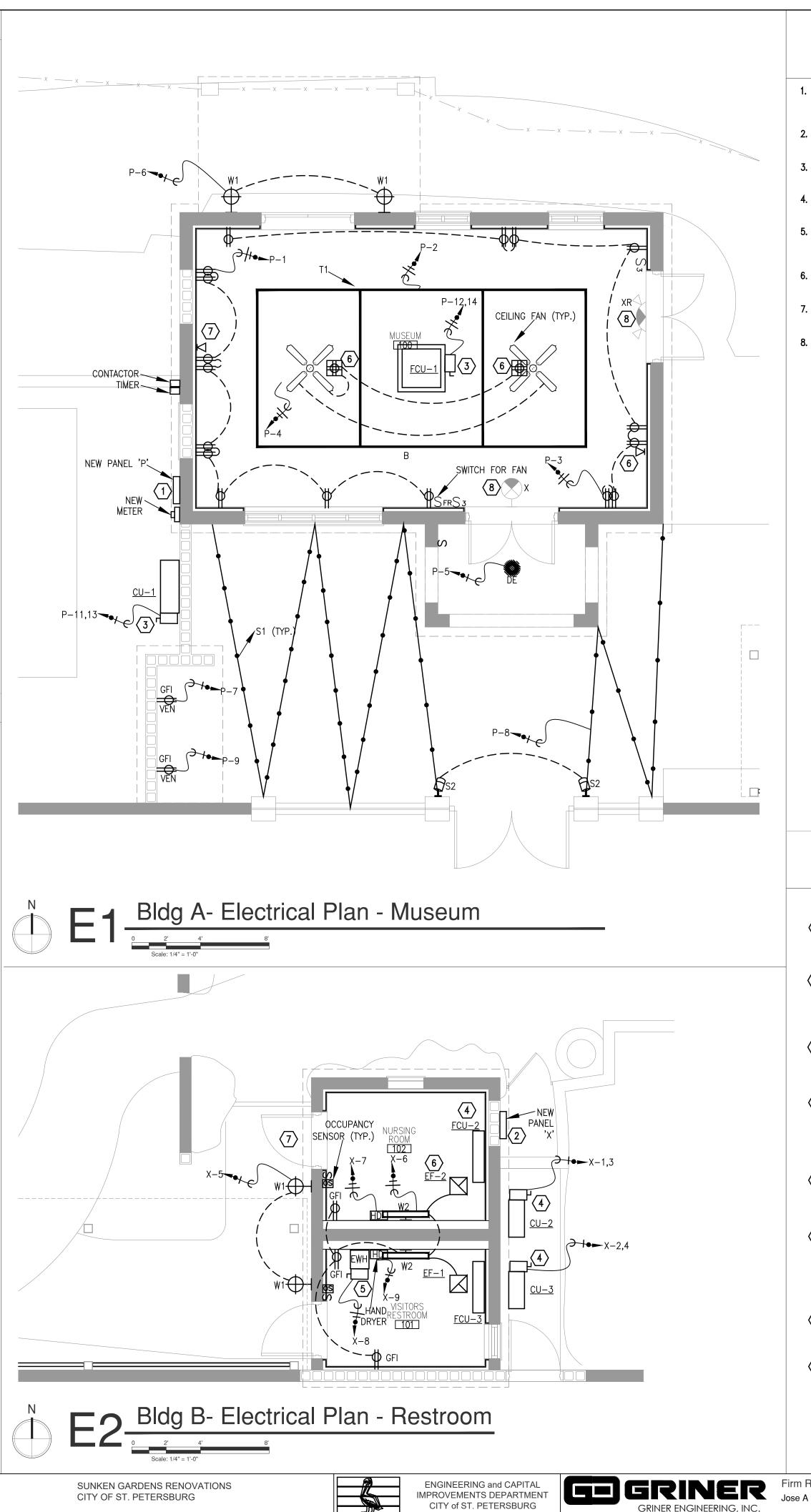
NOT TO SCALE

L	over prot	curren ection
Ν		
÷		tampe proof switch
EM NOT	ERC TO SC	SENC ALE



TYPICAL OCCUPANCY SENSOR DIAGRAM





DATE:	8/12/20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS
DATE:					CITY OF ST. PETERSBURG
DATE:	8/12/20				CONSTRUCTION DOCUMENTS
RESTROOMS					CITY PROJECT NO. 19219-019
OCUMENTS					ARC3 PROJECT NO. 18012.01

ELECTRICAL GENERAL NOTES:

- COORDINATE EXACT OUTLETS AND EQUIPMENT LOCATIONS WITH ARCHITECT, OWNER, AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- 2. ELECTRICAL CONTRACTOR SHALL TRACK EXISTING CIRCUITS AND UPDATE THE PANEL SCHEDULE ACCORDINGLY.
- 3. ALL POWER/LOW VOLTAGE OUTLETS SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBER.
- COORDINATE ALL COVER PLATES FINISHES WITH ARCHITECT AND 4. OWNER.
- 5. EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, NOT LIMITED TO LIGHTS AND RECEPTACLES.
- WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN 6. "FURNISH AND INSTALL COMPLETE AND READY FOR USE."
- 7. NEW BRANCH CIRCUIT SHALL BE MINIMUM 2 #12 AND 1#12 E.G IN 3/4" C UNLESS OTHERWISE NOTED.
- ELECTRICAL CONTRACTOR SHALL REQUEST THE DRAWINGS OF ALL 8. OTHER DISCIPLINES APPLICABLE TO THIS SCOPE OF WORK AND CAREFULLY REVIEW ALL DRAWINGS BEFORE WORK COMMENCEMENT OR BID SUBMITTAL.IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ANY ADDITIONAL DEVICE REQUIRED BY THE CODE AND/OR AHJ FOR A COMPLETE AND FULLY FUNCTIONAL WORK OF SCOPE THAT IS NOT COVERED ON THESE DRAWINGS. COORDINATE ALL NEW ELECTRICAL WORK WITH CONTRACTORS OF ALL TRADES AND OWNER.

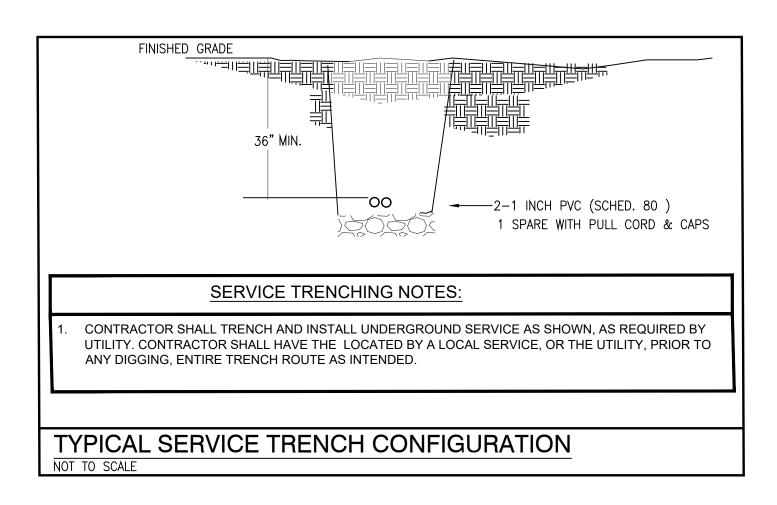
ELECTRICAL KEY NOTES:

- 1 NEW SINGLE PHASE ELECTRICAL SERVICE BY UTILITY. NEW METER AND NEW 150 AMP PANEL WITH A MAIN BREAKER SHALL BE PROVIDED AS SHOWN ON THESE DRAWINGS. REFER TO RISER DIAGRAM NOTES ON SHEET E101 FOR DETAILS.
- 2 FURNISH AND INSTALL NEW 60 AMP SINGLE PHASE PANEL WITH A MAIN BREAKER OUTSIDE THE NURSING ROOM & VISITORS RESTROOM AREA. RUN APPROPRIATE SIZED PVC CONDUITS FROM THE 150 AMP MAIN PANEL 'P' TO PANEL 'X', REFER TO RISER DIAGRAM NOTES ON SHEET E101 FOR DETAILS.
- 3 FURNISH AND INSTALL NEW 30 A 1P/ NEWA 3R FUSIBLE DISCONNECTS EACH FOR CU-1 & FCU-1, FURNISHED BY MECHANICAL. RUN NEW 3 #10, 1# 10 EG-1" AND CONNECT TO UNIT VIA FLEX CONDUITS.
- 4 FURNISH AND INSTALL NEW 30 A 1P/ NEMA 3R FUSIBLE DISCONNECT FOR CU-2 & CU-3, FURNISHED BY MECHANICAL. RUN NEW 3 #10, 1# 10 EG-1" AND CONNECT TO UNIT VIA FLEX CONDUITS. INDOOR UNITS FCU-2 & FCU-3 ARE EXPECTED TO BE POWERED BY OUTDOOR UNITS CU-2 & CU-3 RESPECTIVELY THROUGH CONTROL WIRE/S
- 5 FURNISH AND INSTALL NEW 30 A 1P/ NEWA 1R FUSIBLE DISCONNECT FOR INSTA HOT WATER HEATER INH, FURNISHED BY MECHANICAL. RUN NEW 3 #8, 1# 10 EG-1" AND CONNECT TO UNIT VIA FLEX CONDUITS.
- 6 FURNISH & INSTALL NEW FLOOR BOX, HUBBELL SYSTEM ONE OR SIMILAR WITH QUAD OUTLETS AS SHOWN, CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER REQUIREMENT PRIOR TO ROUGH IN. CONTRACTOR SHALL PROVIDE METHODS AND MATERIALS THAT ALLOWS A SINGLE CIRCUIT TO FEED THE WALL RECEPTACLE AS WELL AS THE FLOOR RECEPTACLE. A JUNCTION BOX SHALL BE PERMISSIBLE TO USE.
- T RUN EMPTY 3/4 " CONDUIT STUBBED ABOVE CEILING FOR EACH WAP/DATA/VOICE TO THE IT ROOM. CONTRACTOR SHALL VERIFY EXACT LOCATION PRIOR TO ROUGH IN.
- 8 ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO THE LOCAL ,UNSWITCH CIRCUIT LEG. REFER TO EMERGENCY & EXIT LUMINIARE WIRING DETAIL FOR ADDITIONAL DETAILS.

3173 DATE: August 12th, 2020 Firm Registration 74457 SCALE: 1/4" = 1'-0" Jose A Rosario, P.E. GRINER ENGINEERING, INC. DRAWING No. 19219-23 3125 Fifth Ave. N.,Suite 300 E100 St. Petersburg, Florida 33713 Phone: (727)-822-2335 Electrical Plan Fax: (727)-821-3361 Date Certificate of Authorization # 3173 Signature

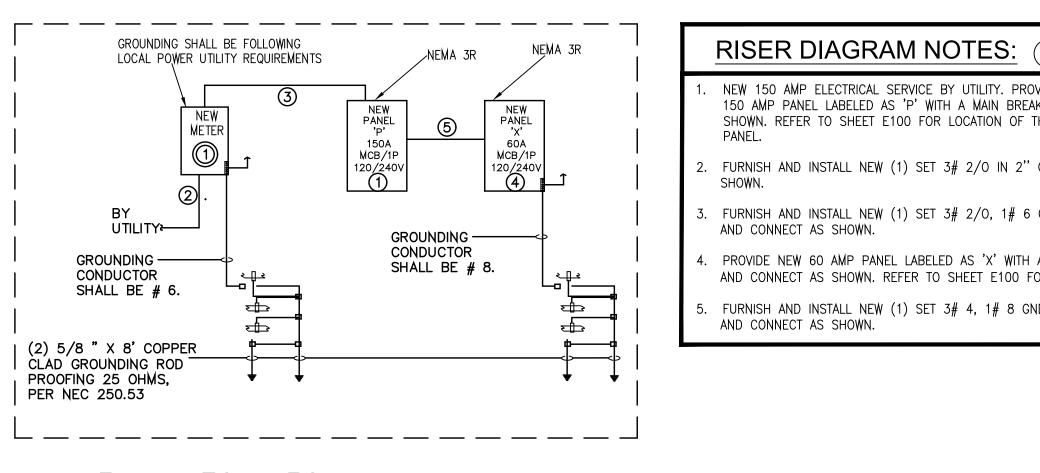
NEW PAI	NEL	SURFACE MOUNTED											
'P'		120/240 VOLT 1 PHASE 3 WIRE WITH GROUND											
	CKT.		I	BREAK	ER					B	REAKE	R	
NOTES	NO.	DESCRIPTION	TRIP	POLE	VOLT		4]	B	VOLT	POLE	TRIP	DES CRIPTION
2	1	POWER OUTLETS	20	1	120	1620	500			120	1	20	TRACK LIGHTS
2	3	POWER OUTLETS	20	1	120			1620	1100	120	1	20	FAN AND QUAD OUT
1	5	RECESSED LIGHT	20	1	120	50	100			120	1	20	WALL MOUNT LIGH
2	7	VENDING MACHINE	20	1	120			1440	500	120	1	20	STRING & SPOT LG
2	9	VENDING MACHINE	20	1	120	1440	200			120	1	20	TIMER
3	11	CT 1			240			1980	72	15		2.40	ECI 1
3	13	CU-1	25	2	240	1980	72			15	2	240	FCU-1
5	15	PANEL 'X'	60	2	240			3560					
5	17	FANEL A	00	-	240	3560							
	19												
	21								1				
	23												
	25 27												
	29												
	2)		ONNECTH	D VA			9522		10272				NOTES ()
			YS TEM V			120/240)V, 1 PH	ASE	10272	1			
			PHASEAN			120/240	79		86	1			
NOTES	LOAD T			H S		CONNE		NFC DF	MAND		NDLOA	D	
	LIGHTI						1150		1.25		1438	VA	
	RECEPT						7220		1.23		7220	VA	
		NDITIONING	IS LAI	CFR			3960		1		3960	VA	
	HEATIN			COLAX			144		0	1	0	VA	
		ON-CONTINUOUS	—				7320		1	1	7320	VA VA	
	CONTIN						0		1.25	1	0	VA	
	KITCHE						0		0.65	1	0	VA VA	
/	MICH						0		TOTAL	1	0 19938		
									IUIAL	1	17750	V A	

NEW PAI		SURFACE MOUNTED 120/240 VOLT 1 PHASE 3 WIRE WITH GROUND												60A MC NEMA 3	
	~										-			AIC 22,	
NOTES	CKT. NO.	DES CRIPTION	REAK		VOLT	A		В	ł	BREAKE	R POLE	TRIP	DES CRIPTION	CKT. NO.	NOTE
3	1	CU-2	15	2	240	834	834			240	2	15	CU-3	2	3
3	3			-		004	004	834	834		-			4	3
1	5	EXTERIOR LIGHTS	20	1	120	100	200	004	004	120	1	20	RESTRM LGTS, EF & REC	6	1
5	7	HAND DRYER	20	1	120			1000	1400	120	1	20	EWH	8	5
5	9	HAND DRYER	20	1	120	1000				120	1	20		10	
	11													12	
	13													14	
	15													16	
		(CONNECTE	D VA		2968		4068]	NOTES ()		
		s	SYSTEMVO	OLTS		120/240)V, 1 PH	ASE		-					
			PHASEAN	IPS		25		34							
NOTES	LOAD T	YPE				CONNE	CTED	NEC DE	MAND	DEMAND LOAD					
1	LIGHTIN	١G					300		1.25	1	375	VA			
2	RECEPT	ACLES					0		1		0	VA			
3	3 AIR CONDITIONING		IS LAI	RGER			3336		1	1	3336	VA			
4	4 HEATING						0		0		0	VA			
5	5 MIS C. NON-CONTINUOUS						3400		1	1	3400	VA			
6	CONTIN	TUOUS					0		1.25		0	VA			
7	KITCHE	N					0		0.65		0	VA			
									TOTAL	,	7111	VA			
						120/240	V, 1 PH	ASE			30	AMPS			

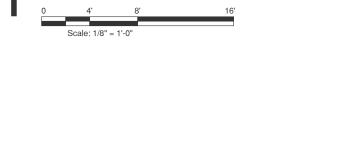


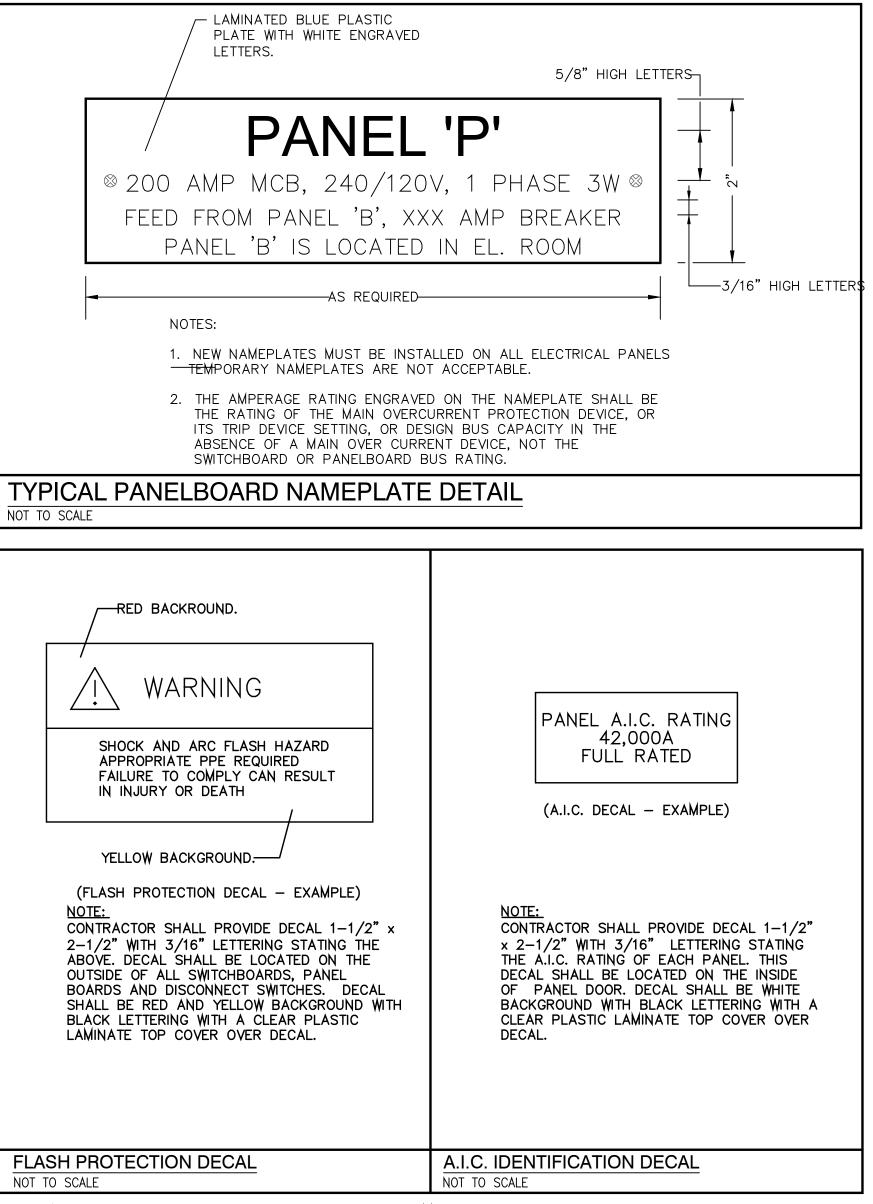
DESIGNED BY: SK DRAWN BY: SK CHECKED BY: JAR MUSEUM, ARBOR, AND RESTRO





E1 Power Riser Diagram





NOTE: WRITTEN LETTER STATING THE AIC AT THE TRANSFORMER SHALL BE OBTAINED BY THE CONTACTOR FROM THE LOCAL ELECTRIC UTILITY. DATE OF LETTER WILL BE PLACED ON THE DECAL.

DATE:	8/12/20	REVISIONS	ΒY	DATE	SUNKEN GARDENS RENOVATIONS		
DATE: DATE:	8/12/20 8/12/20				CITY OF ST. PETERSBURG		IM
OOMS IENTS					CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	APPROVED BY:	

NEW 150 AMP ELECTRICAL SERVICE BY UTILITY. PROVIDE NEW METER AND NEW 150 AMP PANEL LABELED AS 'P' WITH A MAIN BREAKER AND CONNECT AS SHOWN. REFER TO SHEET E100 FOR LOCATION OF THE METER & THE MAIN

FURNISH AND INSTALL NEW (1) SET 3# 2/0 IN 2" CONDUIT AND CONNECT AS

FURNISH AND INSTALL NEW (1) SET 3# 2/0, 1# 6 GND IN 2" CONDUIT

4. PROVIDE NEW 60 AMP PANEL LABELED AS 'X' WITH A MAIN BREAKER AND AND CONNECT AS SHOWN. REFER TO SHEET E100 FOR LOCATION OF PANEL 'X' FURNISH AND INSTALL NEW (1) SET 3# 4, 1# 8 GND IN 1-1/4" PVC CONDUIT

SERVICE VOLTAGE DROP

ESTIMATED SERVICE ENTRANCE FEEDER VOLTAGE DROP IS 1.4% (BASED ON A 100 FEET RUN, (1) SET OF # 2/0 A.W.G COPPER CONDUCTOR SERVICE ENTRANCE FEEDER (120/240V 1 PH) AND AMPERAGE PER PANEL "MAIN DISCONNECT" RATED LOAD CAPACITY.

BRANCH CIRCUITS LOADED PER NEC AMPACITY WITH RUNS LESS THAT 75 FEET SHOULD PROVIDE ACCEPTABLE VOLTAGE DROPS PER FBC 2017 6TH EDITION CHAPTER 407.3. CONTRACTOR SHALL INCREASE THE SIZE BY 1 NOMINAL SIZE PER EACH 50 FEET OF WIRING AND INCREASE CONDUIT SIZE ACCORDINGLY.

GENERAL INTERNATIONAL BUILDING CODE NOTES:

ALL ELECTRICAL WORK SHALL COMPLY WITH INTERNATIONAL BUILDING CODE

C405.6.3 VOLTAGE DROP

THE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS COMBINED SHALL BE SIZED FOR A MAXIMUM OF 5 PERCENT VOLTAGE DROP TOTAL.

GENERAL NOTES:

- ELECTRICAL CONTRACTOR TO VERIFY EXISTING CONDITIONS AND TO REPORT TO GENERAL CONTRACTOR, OWNER AND ENGINEER ANY DISCREPANCY FROM THAT SHOWN ON DRAWINGS.
- COORDINATE ALL NEW ELECTRICAL WORK WITH MECHANICAL CONTRACTOR AND OWNER.
- . PANELS ARE REQUIRED TO HAVE AN PANELBOARD NAMEPLATE PER NEC 408.4(B) SEE TYPICAL PANELBOARD NAMEPLATE DETAILS SHEET E300 FOR MORE INFORMATION

UTILITY CONTACT INFORMATION

FOR COORDINATION, CONTACT UTILITY COMPANY "DUKE ENERGY" CONTACT NAME: HELENE MAKO, OFFICE PHONE: 727(209)-7233, E-MAIL "HELENE.MAKO@DUKE-ENERGY.COM"

FAULT CURRENT ANALYSIS						
UTILITY TRANSFORME	R VOLTAGE	120/240V 1 PH				
NEW POLEMOUNT TRA	ANSFORMER SIZE	25KVA				
AFC AT TRANSFORME	IR	10,400 AMPS				
BUS	MINIMUM AIC & SCCR					
PANEL 'P'	10,122 AMPS	22,000 AMPS				
PANEL 'X'	9,662 AMPS	22,000 AMPS				
 * LOAD CONTRIBUTION HAS BEEN ALLOCATED TO TOTAL FAULT CURRENT AIC – AMPERAGE INTERRUPTING CAPACITY SCCR – SHORT CIRCUIT CURRENT RATING 						
1. IN ANY CASE CONFLICTING INFORMATION WERE ENCOUNTERED ON THE ELECTRICAL DRAWINGS "FAULT CURRENT ANALYSIS" TABLE TAKES PRECEDENCE.						

ENGINEERING and CAPITAL MPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG



Firm Registration Jose A Rosario, P.E.

3173 DATE: August 12th, 2020 74457 | SCALE: N.T.S. DRAWING No. 19219-24 E101 Load Summary & Date Power Riser Sheet

		SPECIFICATION:	
INTRODUCTION: A. THE WORK. APPARATUS AND MATERIALS WHICH SHALL BE FURNISHED UNDER THESE SPECIFICATIONS AND ACCOMPANYING DRAWINGS SHALL INCLUDE ALL ITEMS SPECIFIED HEREINAFTER	C. OUTDOOR LOCATIONS, ABOVE GRADE: USE RIGID AND LIQUIDTIGHT FLEXIBLE METAL CONDUIT WITH ENHANCED CORROSION. PROVIDE COMPLETELY COATED OF THE RIGID CONDUIT WITH AN ALKALI AND RUST RESISTANT BITUMASTIC PAINT, KOPPER # 50.		HAVE THERMAL-MAGNETIC TRIP UNITS AND MULTI-POLE BREAKERS SHALL HAVE A COMMO BAR SO THAT THE TRIPPING OF ONE POLE WILL AUTOMATICALLY TRIP ALL POLES O BREAKER. BREAKERS SHALL BE TRIP FREE AND TRIP-INDICATING AND SHALL HAVE QUICK QUICK BREAK CONTACTS.
AND SHOWN ON THE DRAWINGS. ALL OTHER MATERIALS NECESSARY FOR THE COMPLETE INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR TO PROVIDE COMPLETE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.	D. WET AND DAMP LOCATIONS: USE RIGID STEEL, INTERMEDIATE, AND LIQUIDTIGHT FLEXIBLE METAL CONDUIT.	 GROUND LEADS: GREEN GROUNDED NEUTRAL LEADS: WHITE 120/240 VOLT, UNGROUNDED PHASE WIRES: BLACK AND RED. 	C. PANELBOARDS SHALL BE INSTALLED COMPLETE WITH CONNECTORS AND ASSOCIATED HAP FOR ALL CIRCUIT BREAKERS AND SPACES LISTED IN THE PANELBOARD SCHEDULE.
B. THE CONTRACTOR SHALL EXTEND THE SERVICE FROM THE POINT OF SERVICE ATTACHMENT FURNISHING ALL PROTECTIVE DEVICES, CONDUCTORS, SUPPORTS, RACEWAYS, ETC. TO PROVIDE COMPLETE INTERIOR ELECTRICAL SYSTEMS TO SERVE MOTOR LOADS, LIGHTING LOADS AND MISCELLANEOUS ELECTRICAL LOADS, AS SHOWN ON THE DRAWINGS AND AS SPECIFIED	 E. DRY LOCATIONS: 1. CONCEALED: ELECTRICAL METALLIC TUBING. 2. EXPOSED: 	THE COLOR CODE ASSIGNED TO EACH PHASE WIRE SHALL BE CONSISTENTLY FOLLOWED THROUGHOUT. NOTE: WHERE EXISTING BASE BUILDING COLOR CODING DIFFERS FROM COLOR CODING ASSIGNED HERE—IN. CONTRACTOR SHALL USE EXISTING COLOR CODING AS REQUIRED TO MAINTAIN CONSISTENCY. ADVISE ENGINEER (IN WRITING) OF COLOR CODING TO BE USED.	D. PANELBOARDS TO BE DEADFRONT TYPE, WITH ALUMINMUM/COPPER BUS BARS, WITH BO TYPE BRANCH CIRCUIT BREAKERS EQUAL TO SQUARE-D TYPE NQOD, NF, OR I-LI APPLICABLE. ALL CIRCUIT BREAKERS SHALL BE CONCEALED BEHIND A HINGED, LOCKABLE INSTALLED ON THE FRONT PANELBOARD COVER.
HEREINAFTER. THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE COMPLETION OF THE WORK AND MAKING ANY MINOR CONNECTION CHANGES OR ADJUSTMENTS NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM AND EQUIPMENT. ALL WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND NO SUBSTANDARD WORK WILL BE ACCEPTED.	A)EXTERIOR-RIGID STEEL ONLY. B)INTERIOR-RIGID STEEL TO 2'0" A.F.G., THENELECTRICAL METALLIC TUBING.	D. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND MAKE ALL REQUIRED CONNECTIONS TO SERVE MECHANICAL EQUIPMENT FURNISHED.	
C. VERIFY CONDITIONS AT THE FIELD PRIOR TO PRICING THE JOB. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND EXISTING CONDITIONS.	3. RIGID STEEL CONDUIT SHALL BE UNDERWRITERS' APPROVED HOT-DIP GALVANIZED WITH	E. ALL CONDUITS AND WIRING PENETRATING RATED FLOORS, CEILINGS AND WALLS SHALL BE SEALED TO MAINTAIN FIRE RATING AND INTEGRITY OF SEPARATION. PENETRATION SHALL BE PER UL ASSEMBLY STANDARDS.	PERMANENT ADHESIVE WHERE SCREWS CAN NOT OR SHOULD NOT PENETRATE SUBSTRATE. IN PANEL NAME, LOCATION, FEEDER, VOLTAGE, PHASE, WIRES, AND AMPERAGE. F. INSTALL PANELBOARDS AND ENCLOSURES AS INDICATED, IN ACCORDANCE
D. CONTRACTOR SHALL COORDINATE THE EXACT MOUNTING HEIGHTS AND/OR LOCATIONS OF ALL LIGHTING FIXTURE SWITCHES, OUTLETS AND WIRING DEVICES AND SHALL PERFORM ALL WORK NOTED ON PLANS, IN NOTES OR IN DETAILS RELATED TO THE INSTALLATION. THE OWNER RESERVES THE RIGHT TO RELOCATE ANY DEVICE PRIOR TO ROUGH-IN 10' WITHOUT REVISION TO THE	 ENHANCED CORROSION PROTECTION. ZINC METALIZED OR SHERADIZED. THE THREADED ENDS OF THE CONDUIT SHALL BE ZINC COATED AND SHALL BE THREADED TYPE WITH ENHANCED CORROSION PROTECTION. 4. ALL CONDUIT SHALL BE MADE UP TIGHT AND NO RUNNING THREADS WILL BE PERMITTED, "ERICSON" COUPLINGS BEING USED WHERE NECESSARY. 	F. WHEN MAIN ELECTRICAL SERVICE CONDUCTOR HAS A WIREWAY, E.C. SHALL TAP OFF ALL SERVICE ENTRANCE FEEDERS (PARALLEL CONDUCTORS) FOR TOTAL AMPACITY & BALANCING.	MANUFACTURER'S WRITTEN INSTRUCTIONS, APPLICABLE REQUIREMENTS OF NEC STANDARD NECA'S "STANDARDS OF INSTALLATION", AND IN COMPLIANCE WITH RECOGNIZED INE PRACTICES TO ENSURE THAT PRODUCTS FULFILL REQUIREMENTS.
E. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEE INSPECTIONS AND TESTING.	G. FLEXIBLE METAL CONDUIT 1. DESCRIPTION: FOR EXPOSED LOCATIONS, INTERLOCKED STEEL CONSTRUCTION. FOR	GROUNDING A. THE INTERIOR ELECTRICAL SYSTEMS SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY THE NEC AND AS SPECIFIED HEREINAFTER.	G. PANEL LOAD DATA IS BASED ON INFORMATION GIVEN TO ENGINEER AT THE TIME OF E VERIFY ALL EQUIPMENT NAMEPLATE RATING BEFORE ORDERING.
F. ALL REQUIRED INSURANCE TO BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OF PROPERTY DAMAGE FOR DURATION OF THE WORK.	CONCEALED LOCATIONS- INTERLOCKED STEEL CONSTRUCTION. 2. FITTINGS: ANSI/NEMA FB 1. 3. FLEXIBLE METALLIC CONDUIT IN DRY LOCATIONS SHALL BE UNDERWRITERS' APPROVED, ZINC COATED, SINGLE STRIP TYPE. FITTINGS SHALL BE AS MANUFACTURED BY THOMAS	B. ALL METALLIC RACEWAYS SHALL BE MECHANICALLY AND ELECTRICALLY SECURE AT ALL JOINTS AND AT ALL BOXES, CABINETS, FITTINGS, AND EQUIPMENT. METALLIC RACEWAYS SHALL BE CONNECTED TO A DIRECT GROUND AT THE POINT OF ELECTRICAL SERVICE ENTRANCE AND SHALL	H. TYPEWRITTEN CIRCUIT PANEL DIRECTORY SHALL BE PROVIDED INSIDE OF EACH PANEL DOOR. CLEARLY IDENTIFY AREA AND TYPE OF LOAD SERVED BY EACH BRANCH CIRCUIT PROD DEVICE, INCLUDING SPARES. HAND PRINTED WILL NOT BE ACCEPTED.
G. ELECTRICAL INSTALLATION TO MEET ALL STANDARD REQUIREMENTS OF THE LOCAL POWER AND TELEPHONE COMPANIES. ELECTRICAL CONTRACTOR SHALL CONTACT LOCAL POWER AND TELEPHONE COMPANY PRIOR TO BID AND START OF CONSTRUCTION.	AND BETTS "TITE-BITE", STRAIGHT OR ANGLE CONNECTORS OR APPROVED EQUAL. H. LIQUIDTIGHT FLEXIBLE METAL CONDUIT	BE ELECTRICALLY CONTINUOUS THROUGHOUT THE ENTIRE SYSTEM. C. ALL GROUND CONDUCTORS SHALL BE INSULATED COPPER UNLESS OTHERWISE NOTED.	I. THE PANEL BREAKERS SHALL BE FULLY RATED. SERIES RATING IS NOT ACCEPTABLE.
<u>ELECTRICAL CODES</u> A. THE WORK UNDER THE REQUIREMENTS OF THESE SPECIFICATIONS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. THE INSTALLATION SHALL ALSO	 DESCRIPTION: INTERLOCKED STEEL CONSTRUCTION WITH PVC JACKET. FITTINGS: ANSI/NEMA FB 1. FLEXIBLE CONDUIT IN DAMP OR WET LOCATIONS SHALL BE UNDERWRITERS' APPROVED FLEXIBLE, LIQUID—TIGHT METAL CONDUIT. FITTINGS SHALL BE AS MANUFACTURED BY 	D. ALL RACEWAYS WITH #10 OR 12 AWG PHASE CONDUCTORS FOR RECEPTACLES, LIGHTING FIXTURES AND SIMILAR CIRCUITS (NEW BRANCH CIRCUITS) SHALL BE PROVIDED WITH A PARITY SIZED GREEN EQUIPMENT GROUND CONDUCTOR. GROUND CONDUCTOR SHALL BE INSTALLED IN	AN EXTRA FOLE WHICH SHALL BE FERMANENTET CONNECTED TO GROUND CONDUCTOR.
COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF LOCAL AND STATE LAWS AND ORDINANCES.	APPLETON, CROUSE-HINDS OR THOMAS AND BETTS.	ENTIRE RACEWAY SYSTEM INCLUDING WALL SWITCHES AND FLEXIBLE CONDUIT TO LIGHT FIXTURES. EQUIPMENT GROUND CONDUCTOR SIZES FOR CIRCUITS WITH PHASE CONDUCTORS LARGER THAN #10 AWG ARE INDICATED ON DRAWINGS. GROUND CONDUCTORS SHALL BE CONNECTED TO GROUND BUS IN PANELBOARDS.	RECEPTACLES RATED 20 AMPERES AT 120 VOLTS. 15 AMPERE RECEPTACLES WILL BE ACCE
A. THE PLANS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE DIFFERENT TRADES SO THAT INTERFERENCES BETWEEN CONDUITS. PIPING, EQUIPMENT, ARCHITECTURAL AND STRUCTURAL WORK WILL BE AVOIDED. ALL NECESSARY OFFSETS	 DESCRIPTION: ANSI C80.3; GALVANIZED TUBING. FITTINGS AND CONDUIT BODIES: ANSI/NEMA FB 1; STEEL SET SCREW OR STEEL COMPRESSION COUPLING OR CONNECTORS. ALL CONNECTORS SHALL BE INSULATED THROAT, UP TO ONE INCH. 	E. TERMINATE FEEDER AND BRANCH CIRCUIT INSULATED EQUIPMENT GROUNDING CONDUCTORS WITH GROUNDING LUG, BUS, OR BUSHING. CONDUCTORS LOOPED UNDER SCREW OR BOLT HEADS WILL NOT BE PERMITTED.	SIZES, AND WITH GANGING AND CUTOUTS AS INDICATED. SELECT PLATES WHICH MATE AND WIRING DEVICES TO WHICH ATTACHED. CONSTRUCT WITH METAL SCREWS FOR SECURING PLA
IN RACEWAYS, FITTINGS, ETC. REQUIRED TO PROPERLY INSTALL THE WORK SHALL BE FURNISHED SO AS TO TAKE UP MINIMUM SPACE, AND ALL MATERIALS REQUIRED TO ACCOMPLISH THIS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. IN CASE INTERFERENCE DEVELOPS, THE OWNER'S AUTHORIZED REPRESENTATIVE WILL	3. THIN WALL CONDUIT SHALL BE UNDERWRITERS' APPROVED GALVANIZED ELECTRICAL METALLIC TUBING. COUPLINGS AND CONNECTORS FOR CONDUIT SHALL BE STEEL HEX-NUT, ZINC OR CADMIUM PLATED SET SCREW TYPE FITTING	F. INSTALL CLAMP-ON CONNECTORS ON CLEAN METAL CONTACT SURFACES TO ENSURE ELECTRICAL CONDUCTIVITY AND CIRCUIT INTEGRITY.	DEVICES; SCREW HEADS COLORED TO MATCH FINISH OF PLATES, WALLPLATES COLORED TO WIRING DEVICES AND ADJACENT WALL SURFACES. PROVIDE STAINLESS STEEL PLATES IN ROOM, FOOD SERVICE AND COUNTER AREAS.
DECIDE WHICH EQUIPMENT. PIPING, ETC., MUST BE RELOCATED, REGARDLESS OF WHICH WAS INSTALLED FIRST. MATERIALS	 J. NONMETALLIC CONDUIT 1. DESCRIPTION: NEMA TC 2; SCHEDULE 40 PVC. 2. FITTINGS AND CONDUIT BODIES: NEMA TC 3. 	G. PROVIDE GROUNDING BUSHING AND A CONTINUOUS COPPER BONDING JUMPER FROM THE BUSHING TO THE EQUIPMENT GROUND BUS IN ALL FEEDERS. THE BONDING JUMPER SHALL BE THE SAME SIZE AS THE EQUIPMENT GROUND CONDUCTOR.	D. ELECTRICAL CONTRACTOR SHALL CONFIRM RECEPTACLE CONFIGURATION, VOLTAGE, PHAS AMPERAGE FOR ALL EQUIPMENT FURNISHED AND INSTALLED FOR THIS WORK. ADVICE ENGIN REQUIRED.
A. IN GENERAL, MATERIALS AND APPARATUS SHALL COMPLY WITH ALL APPLICABLE TESTS, RATINGS, SPECIFICATIONS, AND REQUIREMENTS OF THE IEEE AND NEMA AND SHALL BEAR THE APPROVED DEVICE LABEL OF THE UNDERWRITERS' LABORATORIES, INC. OR OTHER TESTING LABORATORY APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.	 K. TYPE MC CABLE 1. MC CABLE MAY BE USED WHERE CONCEALED IN WALLS. SECURE IN NO MORE THAN 3' INTERVALS AND WITHIN 6" OF OUTLET. 	H. GROUND SHALL BE 5/8" DIAMETER, TEN (10) FEET LONG COPPER-CLAD STEEL. OBTAIN TWENTY FIVE (25) OHMS MAXIMUM RESISTANCE AS READ WITH AN OHM METER, USING TWO REFERENCE RODS. IF TWENTY FIVE (25) OHMS CANNOT BE ACHIEVED, CONTRACTOR SHALL PROVIDE ADDITIONAL RODS, UNTIL TWENTY FIVE FIVE (25) HAS BEEN OBTAIN.	ALL REQUIRED DEVICES SHALL MATCH IN COLOR AND STYLE. COLOR OF DEVICES AND PLATES SHALL BE DICTATED BY ARCHITECT AND OWNER. MOTOR STARTERS:
B. THE CONTRACTOR SHALL SUBMIT A LIST OF PRINCIPAL MATERIAL ITEMS, GIVING MANUFACTURER'S NAMES AND CATALOG NUMBERS. APPROVAL OF THE LIST SHALL BE OBTAINED FROM THE OWNER BEFORE ORDERS ARE PLACED.	L. UNDERGROUND SERVICE CONDUITS/RACEWAY ENTERING THE BUILDING OR STRUCTURE FROM OUTSIDE SHALL BE SEALED, INCLUDING SPARE CONDUITS. SEALANT SHALL BE SUITABLE FOR THIS USE.	<u>CIRCUIT_PROTECTIVE_DEVICES</u> A. <u>GENERAL:</u>	A. MANUAL MOTOR STARTERS FOR 115V, 10 MOTORS (1) HORSEPOWER AND SMALLER, SHA SINGLE POLE, HORSEPOWER RATED SWITCHES WITH THERMAL OVERLOAD UNITS AND HE STARTERS SHALL BE SQUARE-D CLASS 2510, WITH STAINLESS STEEL COVER PLATES.
GUARANTEE A. CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF	M. ALL UNDERGROUND PVC CONDUIT RUNS SHALL HAVE RIGID STEEL ELBOWS AND RIGID SECTIONS AT SLAB PENETRATIONS WHERE SUBJECT TO POSSIBLE DAMAGE.	 UNLESS OTHERWISE INDICATED, PROTECTIVE DEVICES SHALL BE MOUNTED WITH TOP OF CABINET OR ENCLOSURE 6'- 6" ABOVE FINISHED FLOOR, SHALL BE PROPERLY ALIGNED, 	LIGHTING FIXTURES: A. THE CONTRACTOR SHALL FURNISH AND INSTALL, COMPLETE IN ALL RESPECTS, ALL LI
SUBSTANTIAL COMPLETION. CONTRACTOR SHALL RECTIFY ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WITHIN SAID PERIOD. THE OWNER WILL GIVE NOTICE OF DEFECTS WITH REASONABLE PROMPTNESS.	N. ALL CONDUITS SHALL BE PROPERLY ALIGNED, GROUPED AND SUPPORTED. EXPOSED CONDUIT SHALL BE INSTALLED AT RIGHT ANGLES TO OR PARALLEL TO THE PRINCIPAL STRUCTURAL MEMBERS. ALL CONDUITS SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 8 FEET. PROVIDE SUPPORT A MINIMUM OF 18" FROM BENDS AND OUTLET BOXES AND ON INTERVALS NOT TO EXCEED 8'-O". CONDUIT IS NOT TO SPAN ANY SPACE UNSUPPORTED. ALL CONDUITS SHALL BE	PURPOSE TYPE. CIRCUIT PROTECTIVE DEVICES INSTALLED OUTDOORS OR EXPOSED TO THE	 A. THE CONTRACTOR SHALL FORNISH AND INSTALL, COMPLETE IN ALL RESPECTS, ALL LI FIXTURES SHOWN ON THE PLANS. B. SHOP DRAWINGS: SUBMIT FIXTURE SHOP DRAWINGS MINIMUM (6) COPIES IN BOOKLET WITH SEPARATE SHEET FOR EACH FIXTURE ASSEMBLED IN "LUMINAIRE TYPE" ALPHABETIC
IDENTIFICATION OF EQUIPMENT A. IDENTIFICATION OF EQUIPMENT SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT INSTALLED BY THE CONTRACTOR. ENGRAVED LAMINATED PLASTIC NAMEPLATES SHALL BE PROVIDED AND	SUPPORTED FROM STRUCTURE AND NOT FROM CEILING SUPPORT SYSTEM. O. PROVIDE NYLON PULL CORD AND LEAVE IN PLACE IN EACH EMPTY CONDUIT. LABEL EACH	316. 2. INSTALL DISCONNECT SWITCHES FOR USE WITH MOTOR-DRIVEN APPLIANCES, AND MOTORS	NUMERICAL ORDER, WITH PROPOSED FIXTURE, LIGHTING PHOTOMETRIC, INPUT WATTS ACCESSORIES CLEARLY INDICATED ON EACH SHEET. SUBMIT DETAILS INDICATING COMPATIBILIT CEILING GRID SYSTEM.
IDENTIFICATION SHALL CLEARLY DESCRIBE THE EQUIPMENT AND FUNCTION. COORDINATE NAMES ABBREVIATIONS AND OTHER DESIGNATIONS USED IN ELECTRICAL IDENTIFICATION WORK WITH CORRESPONDING DESIGNATIONS SHOWN, SPECIFIED OR SCHEDULED. PROVIDE NUMBERS, LETTERS AND WORDING AS INDICATED OR IF NOT OTHERWISE INDICATED, AS RECOMMENDED BY MANUFACTURER OR AS REQUIRED FOR PROPER IDENTIFICATION AND MAINTENANCE OF ELECTRICAL	END OF THE PULL CORD WITH LOCATION OF THE OPPOSITE END.	AND CONTROLLERS WITHIN SIGHT OF CONTROLLER POSITION UNLESS OTHERWISE INDICATED. B. <u>SAFETY SWITCHES:</u>	C. BALLASTS FOR FLUORESCENT LAMPS SHALL BE HIGH FREQUENCY ELECTRONIC FOR USE OTIC TYPE (265MA) LAMPS. THE TOTAL HARMONIC DISTORTION (%THD) SHALL BE LESS THA POWER FACTOR SHALL BE .95 OR HIGHER. ELECTRONIC BALLASTS FOR FLUORESCENT SHALL BE OSRAM SYLVANIA, QUICKTRONIC. ALL BALLASTS SHALL BE INDIVIDUALLY FUSED O
B. INSTALL LABEL TAGS ON ALL WIRE AND CABLE IN JUNCTION BOXES, WIREWAYS AND WIRING GUTTERS OF PANELS.	A. ALL BOXES SHALL BE RIGIDLY MOUNTED AND SHALL BE EQUIPPED WITH SUITABLE SCREW FASTENED COVERS. OPEN KNOCK-OUTS OR HOLES IN BOXES SHALL BE PLUGGED WITH A SUITABLE BLANKING DEVICE.	1. ALL SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE. SWITCH MECHANISM SHALL BE QUICK-MAKE, QUICK-BREAK. COVER SHALL BE INTERLOCKED WITH MECHANISM TO PREVENT OPENING UNLESS SWITCH IS IN THE "OFF" POSITION. ALL ENCLOSURES SHALL	LINE SIDE OF THE BALLAST. ALL BALLASTS SHALL BE ENERGY SAVING, HIGH POWER FACTOR AND SHALL BEAR ETL/CBM AND UL LABELS. D. T-8 AND T-5 FLUORESCENT, COMPACT FLUORESCENT LAMPS SHALL BE AS SPECIFI
SERVED AS SHOWN ON DRAWINGS. C. ALL JUNCTION BOXES TO BE DESIGNATED WITH PERMANENT MARKER INDICATING PANELBOARD	B. OUTLET BOXES FOR EXPOSED WALL MOUNTING, AND OUTDOOR INSTALLATIONS SHALL BE CAST WITH THREADED HUB TYPE WITH SUITABLE COVERS. WEATHERPROOF RECEPTACLE COVERS SHALL BE "IN USE" TYPE AND HAVE METAL SPRING HINGE LIDS.	BE PRIMED AND FINISHED TO RESIST RUSTING AND CORROSION. SWITCHES SHALL BE ITE,	LIGHTING FIXTURE SCHEDULE OR AS NOTED. INCANDESCENT LAMPS SHALL BE AS SPECIFICIENTING FIXTURE SCHEDULE OR AS NOTED. INCANDESCENT LAMPS SHALL BE 120V. GE PURPOSE TYPE. UNLESS OTHERWISE NOTED ALL LAMPS SHALL BE TCLP COMPLIAN MANUFACTURED BY OSRAM SYLVANIA. U-SHAPED LAMPS SHALL HAVE 6" SPACING BETWEEN
AND CIRCUIT NUMBERS OF BRANCH CIRCUIT WIRING CONTAINED WITHIN. D. PANELBOARD DIRECTORIES SHALL BE UPDATED/TYPEWRITTEN WITH ACCURATE AND CURRENT INFORMATION BY THE CONTRACTOR AT THE END OF CONSTRUCTION. DIRECTORIES SHALL REFLECT			E. ALL FIXTURES SHALL BE PROPERLY AND CAREFULLY SUPPORTED AND ALIGNED, AN CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY STEEL SHAPES, ETC., FOR SU OF FIXTURES AS REQUIRED AND DETAILED ON THE DRAWINGS. LIGHTING FIXTURES SHALL BE AND NON-OPERATING LAMPS REPLACED WITH NEW LAMPS AT THE TIME OF FINAL INSPECTION
EXISTING UNCHANGED AND NEW RECORD CONDITIONS AND INCLUDE CIRCUIT NUMBER, TENANT NAME, TYPE AND LOCATION OF LOAD.	BRANCH CIRCUITS RUN OVER 75 FEET IN LENGTH. MEASURING ONE WAY FROM THE FIRST OUTLET OF THE CIRCUIT TO THE PANEL, SHALL BE #10 AWG FOR THE ENTIRE CIRCUIT. B. SPLICES, TAPS AND ATTACHMENT FITTINGS AND LUGS SHALL BE ELECTRICALLY AND	BUSSMAN "FUSETRON" OR CHASE SHAWMUT "TRIONIC". THE CONTRACTOR SHALL FURNISH AND INSTALL PROPER SIZE FUSES WHERE REQUIRED FOR ALL FUSIBLE EQUIPMENT AND SHALL FURNISH TO THE OWNER A DUPLICATE CARTRIDGE FOR EACH FUSE TYPE INSTALLED.	F. LED FIXTURES SHALL BE FURNISHED TO MATCH THE REQUIREMENTS FOR THE PART APPLICATION. COLOR (CRI) SHALL BE 3500K, 4100K OR AS DIRECTED. LED LIGHT INT SHALL BE MINIMUM OF 20MA AND POSSESS AT LEAST L70% LUMEN MAINTENANCE FACTOR
A. HOMERUNS SHALL BE A MINIMUM SIZE OF HALF-INCH (1/2"), UNLESS OTHERWISE SPECIFIED. PROVIDE A MINIMUM OF HALF-INCH (1/2") FOR FLEXIBLE CONNECTIONS TO EQUIPMENT. B. UNDERGROUND INSTALLATIONS:	MECHANICALLY SECURE AND SOLDERLESS FOR CONDUCTORS SIZES #8 AWG AND LARGER. THERE SHALL BE PLENTY OF SLACK CABLE IN BOXES, OUTLETS AND CABINETS TO INSURE THAT THERE IS NO BINDING AT THE BUSHINGS. ALL LUGS SHALL BE OF THE CORRECT SIZES FOR THE CONDUCTORS JOINED AND IN NO CASE SHALL STRANDS BE CUT FROM A CONDUCTOR IN ORDER TO FIT THE CONDUCTOR INTO A LUG. TAPING OF JOINTS SHALL BE WITH VINYL PLASTIC	2. FUSES FOR HVAC EQUIPMENT (ROOF TOP UNITS, CONDENSING AND AIR HANDLING UNITS) SHALL BE RK5 TYPE, TYPICAL UNLESS OTHERWISE NOTED. CONFIRM WITH HVAC EQUIPMENT NAME PLATE FOR SPECIFIC FUSE REQUIREMENTS.	SHALL BE MINIMUM OF 20MA AND POSSESS AT LEAST L70% LUMEN MAINTENANCE FACTOR THAN 30% REDUCTION IN LIGHT OUTPUT OVER 50,000HR LIFE). PARTICULAR ATTENTION SHOU PAID TO LUMEN OUTPUT OF THE FIXTURE BEING SUBSTITUTED, WHICH SHOULD NOT BE LESS THE FLUORESCENT FIXTURE IT REPLACES. ATTENTION SHOULD BE PAID TO OUTPUT PATTE WELL.
 USE THICKWALL NONMETALLIC CONDUIT, SCHEDULE 40 PVC. IN OR UNDER SLAB-ON-GRADE: USE SCHEDULE 40 PVC OR GRAY HDPE PIPE, PER NEC REQUIREMENTS. USE ONLY UL LISTED AND APPROVED FITTINGS FOR COUPLING AND CHANGE-OVER TO DIFFERENT TYPE RACEWAYS. MINIMUM SIZE: 3/4". 	C. ALL CONDUCTORS SHALL BE COPPER. CONDUCTOR INSULATION SHALL BE DUAL TYPE THHN/THWN 75° C. (167°F.) FOR DRY, DAMP & WET LOCATIONS. CONDUCTOR INSULATION WITH SINGLE TYPE MARKING THHN 90° C. (194° F.) MAY BE USED FOR DRY LOCATIONS ONLY. ALL	A. PANELBOARDS SHALL BE CONNECTED DISTRIBUTED PHASE WITH CIRCUIT NUMBERING AS INDICATED ON THE DRAWINGS. PANELBOARDS SHALL HAVE CIRCUIT DIRECTORY CARDS AND SHALL BE COMPLETED WITH A TYPEWRITER BY THE CONTRACTOR TO INDICATE NEW AND EXISTING AREAS	
 INSTALL RIGID STEEL, LONG RADIUS ELBOWS FOR CONDUITS LARGER THAN ONE INCH (1"). UNDER SLAB CONDUIT OR POURED-IN CONCRETE CONDUIT SHALL BE PAINTED WITH A COAT OF BITUMASTIC. THE BITUMASTIC SHALL BE CONTINUOUS AND CONTINUE UP THROUGH PENETRATION OF CONCRETE SLABS, UP TO 12" A.F.G. CORROSION TAPE IS ACCEPTABLE. 	CONDUCTORS SHALL BE COLOR CODED AS RÉQUIRED BY NEC AND FURTHER IDENTIFIED AND CODED AS SPECIFIED HEREINAFTER. COLOR CODING SHALL BE BY MEANS OF COLORED INSULATING MATERIAL, COLORED BRAID OR JACKET OVER THE INSULATION OR BY MEANS OF SUITABLE COLORED, PERMANENT, NON-AGING, INSULATING TAPE APPLIED TO CONDUCTORS AT EACH CABINET OR JUNCTION POINT. THE COLOR CODING SHALL BE ACCOMPLISHED AS THE	B. CIRCUIT BREAKERS FOR MOUNTING IN NEW PANELBOARDS OR DISTRIBUTION SECTION OF	

DESIGNED BY: SK D	ATE: 8/12/20	REVISIONS	BY DAT	E	SUNKEN GARDENS RENOVATIONS		Е
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MUSEUM, ARBOR, AND RESTROO 100% CONSTRUCTION DOCUMEN					CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012.01	APPROVED BY:	

August 12th, 2020 N.T.S. DRAWING No. 19219-25 E201 Electrical Date Specifications

CITY of ST. PETERSBURG

3125 Fifth St. Petersb Phone:	GINEERING, Ave. N.,Suite 30 urg, Florida 337 (727)-822-2335 727)-821-3361	INC. 0	Jose A Rosa
,	Authorization #	3173	Signature

PRE-BID SUBMITTAL THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING TO FAMILIARIZE HIMSELF WITH THE CONDITIONS FOR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER A WRITTEN LIST OF ALL PERMITS AND COPIES THEREOF, AND CAREFULLY REVIEW ALL PLANS, SPECIFICATIONS, AND PERMITS PREVIOUSLY SECURED ON BEHALF OF THE OWNER. IN CASE OF ANY DISCREPANCY EITHER IN PERMIT DOCUMENTS, PLANS, DRAWINGS, OR SPECIFICATIONS. THE CONTRACTOR MUST PROMPTLY SUBMIT A "WRITTEN CLARIFICATION REQUEST" TO THE OWNER, WHO WILL PROMPTLY FORWARD SAME TO THE ENGINEER WHO WILL MAKE A DETERMINATION IN WRITING. THE CONTRACTOR MUST VERIFY EXISTING FACILITY INFORMATION, AND ALL DESIGN/PERMIT DATA REQUIRED FOR WORK THAT IS TO CONNECT WITH EXISTING FACILITIES. ANY DISCREPANCIES BETWEEN THE CONTRACT REQUIREMENTS AND THE EXISTING CONDITIONS MUST BE REFERRED TO THE OWNER, IN WRITING, FOR AN ENGINEERING DETERMINATION. ANY FURTHER ADJUSTMENT DUE TO FAILURE BY THE CONTRACTOR TO IDENTIFY THE RELATED DISCREPANCY, WILL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY LICENSES AND ADDITIONAL PERMITS. AND FOR COMPLYING WITH ALL APPLICABLE FEDERAL. STATE AND LOCAL LAWS, CODES, AND

REGULATIONS IN CONNECTION WITH THE PERFORMANCE OF THE WORK.

CONSTRUCTION SAFETY AND LIABILITY THE CONTRACTOR MUST TAKE PROPER SAFETY AND HEALTH PRECAUTIONS TO PROTECT THE WORK, THE WORKERS, THE PUBLIC, AND THE PROPERTY OF OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS DELIVERED AND WORK PERFORMED UNTIL COMPLETION AND ALL ACCEPTANCES HAVE BEEN OBTAINED. THE CONTRACTOR SHALL MAINTAIN TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH "THE STATE OF FLORIDA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. "THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO PERSONS OR PROPERTY THAT OCCURS AS A RESULT OF HIS NEGLIGENCE. THE CONTRACTOR MUST SAVE HARMLESS AND INDEMNIFY THE OWNER AND VICKSTROM ENGINEERING SERVICES, INC., ITS OFFICERS, REPRESENTATIVES, AND EMPLOYEES FROM ALL CLAIMS, LOSS, DAMAGE, ACTIONS, CAUSES OF ACTION, AND/OR EXPENSES RESULTING FROM, BROUGHT FOR, OR ON ACCOUNT OF ANY PERSONAL INJURY OR PROPERTY DAMAGE RECEIVED OR SUSTAINED BY ANY PERSONS OR PROPERTY GROWING OUT OF, OCCURRING, OR ATTRIBUTABLE TO ANY WORK PERFORMED LINDER OR BELATED TO THIS CONTRACT, BESULTING IN WHOLE OR IN PART FROM THE NEGLIGENT ACTS OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTOR, OR ANY EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE CONTRACTOR OR ANY SUBCONTRACTOR.

PRE-CONSTRUCTION THE OWNER SHALL SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL LAND SURVEYOR TO PERFORM AN "AS-BUILT" SURVEY OF ALL COMPLETED IMPROVEMENTS. THE OWNER SHALL ALSO SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL ENGINEER TO PROVIDE THE APPROPRIATE SERVICES NEEDED IN ORDER TO CERTIFY TO ALL APPLICABLE REGULATORY AGENCIES THAT THE IMPROVEMENTS WERE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE PERMITS AND APPROVALS. THE OWNER SHALL COORDINATE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER, SURVEYOR, CONTRACTOR, TESTING LAB, UTILITY COMPANIES, AND APPROPRIATE REGULATORY AGENCIES. THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING SUBMISSION SCHEDULE FOR ALL PROJECT MATERIALS AND COMPONENTS. THE CONTRACTOR SHALL NOT INITIATE CONSTRUCTION OF ANY PORTION OF THE IMPROVEMENTS UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED FOR THAT PORTION BY THE ENGINEER. THE OWNER, CONTRACTOR, ENGINEER AND UTILITY COMPANY SHALL ALSO DISCUSS ALL DOCUMENTATION REQUIRED FOR CONTRIBUTED FACILITIES TRANSFER FROM THE OWNER/DEVELOPER TO THE UTILITY COMPANY UPON PROJECT COMPLETION. UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, THE FOLLOWING DOCUMENTS SHALL BE PROVIDED: DOCUMENTS REQUIRED FOR CONTRIBUTED FACILITIES FROM DEVELOPER TO UTILITY COMPANY:

1. UTILITY EASEMENT(S): MUST BE RECORDED AT COUNTY CLERK OF COURT OFFICE BEFORE SUBMITTING TO UTILITY. 2. EASEMENT ACKNOWLEDGMENT

- AFFIDAVIT. 4. RELEASE OF LIEN.
- 5. BILL OF SALE. 6. ASSIGNMENT OF RIGHTS UNDER UTILITY AGREEMENT: WHEN PROPERTY HAS BEEN
- TRANSFERRED TO A NEW OWNER. 7. DESCRIPTION OF FACILITIES: A SHORT EXPLANATION DEPICTING WHAT HAS BEEN
- CONSTRUCTED. 8. DETAILED COST OF CONSTRUCTION; MUST INCLUDE INDIVIDUAL ITEMS OR APPURTENANCES, UNIT COST AND TOTAL COST OF EACH. DO NOT INCLUDE WATER SERVICE LINES OR SEWER
- LATERALS. 9. RECORD DRAWINGS (AS-BUILT): MUST BE SIGNED AND SEALED BY ENGINEER OF RECORD. SUBMIT A PDF, CAD DRAWING FILE AND TWO COPIES OF PRINTS. 10. F.D.E.P. APPLICATION(S).
- 11. INSPECTION REPORT(S). 12. PRESSURE TEST REPORT(S)
- 13. INFILTRATION-EXFILTRATION TEST REPORT(S), INCLUDING VIDEO TAPES AND LAMPING REPORTS
- 14. LIFT STATION INSPECTION (START-UP) REPORT(S) AND EQUIPMENT SHOP DRAWINGS. 15. BACTERIOLOGICAL TEST REPORT(S).
- 16. ENGINEER'S CERTIFICATE OF SUBSTANTIAL COMPLETION TO F.D.E.P. 17. SYSTEM(S) ACCEPTANCE LETTER(S) FROM F.D.E.P.

ITEMS 1-8 TO BE SUPPLIED BY OWNER.

ITEMS 9-17 TO BE SUPPLIED BY ENGINEER OF RECORD. UNLESS OTHERWISE SPECIFIED BY THE UTILITY, THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER GAS SEWER TELEPHONE AND POWER COMPANIES 10 DAYS IN ADVANCE, THAT HE INTENDS TO START WORK IN A SPECIFIC AREA. THE OWNER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS. WATER LINES. GAS LINES. CONDUITS OF ANY KIND. UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING

ANY STREET, ALLEY, PUBLIC PLACE, RIGHT-OF-WAY, OR EASEMENT. IRONMENTAL PROTECTION DURING CONSTRUCTION DITECTION OF LAND RESOURCES - EXCEPT IN AREAS IDENTIFIED ON THE PLANS TO BE

EARED, THE CONTRACTOR MUST NOT DEFACE, INJURE, OR DESTROY TREES OR SHRUBS OR REMOVE OR CUT THEM WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. IN THE ABSENCE OF A CLEARING PLAN. AREAS SHOWN FOR IMPROVEMENTS SHALL BE CLEARED UNLESS NOTED

PROTECTION OF WATER RESOURCES - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, REGIONAL, COUNTY, AND MUNICIPAL LAWS CONCERNING POLLUTION OF WATER RESOURCES. ALL WORK MUST BE PERFORMED IN SUCH A MANNER THAT OBJECTIONABLE CONDITIONS WILL NOT BE CREATED IN PUBLIC WATERS RUNNING THROUGH, OR ADJACENT TO THE PROJECT AREA. EROSION AND SEDIMENT CONTROL - ALL PRACTICABLE AND NECESSARY EFFORT SHOULD BE AKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND THE TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SURFACE WATER, OR ONTO OTHER PROPERTY BY ANY OR ALL OF THE FOLLOWING METHODS

- 1. STORMWATER FACILITIES ARE TO BE BUILT AS EARLY IN THE CONSTRUCTION PHASE AS POSSIBLE TO ENSURE THE TREATMENT OF STORMWATER RUNOFF. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, HOWEVER, SUCH AS BERMS, SEDIMENT BASINS, GRASSING, SODDING, SAND BAGGING, BALED HAY OR STRAW, FLOATING SILT BARRIERS.
- STACKED SILT BARRIERS, ETC. MUST BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT FACILITIES ARE COMPLETED AND OPERATIONAL. 2. RE-VEGETATION AND STABILIZATION OF DISTURBED GROUND SURFACES SHOULD BE ACCOMPLISHED AS SOON AS POSSIBLE.
- 3. FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES. 4. PROHIBIT THE USE OF ANY CONSTRUCTION EQUIPMENT THAT LEAKS EXCESSIVE AMOUNTS OF FUEL, OIL, OR HYDRAULIC FLUID.

ALL DISTURBED AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, EXCEPT RETENTION AREAS, AND SHALL BE STABILIZED BY SODDING, EXCEPT WHERE SEEDING AND MULCHING ARE CALLED FOR ON THE PLANS. THE LATEST VERSION OF THE F.D.O.T. ROAD & BRIDGE SPECIFICATIONS SHALL BE USED, UNLESS MORE RESTRICTIVE LOCAL SPECIFICATIONS EXIST.

PROTECTION OF FISH AND WILDLIF THE CONTRACTOR MUST AT ALL TIMES PERFORM ALL WORK IN A WAY AND TAKE SUCH STEPS AS REQUIRED TO PREVENT ANY INTERFERENCE WITH OR DISTURBANCE TO FISH AND WILDLIFE. THE CONTRACTOR SHALL NOT ALTER WATER FLOWS OR OTHERWISE DISTURB NATIVE HABITATS AND JURISDICTIONAL WETLANDS LOCATED WITHIN AND/OR ADJACENT TO THE PROJECT AREA.

RECORDING AND PRESERVING HISTORICAL AND ARCHEOLOGICAL FINDS ALL ITEMS HAVING ANY APPARENT HISTORICAL OR ARCHEOLOGICAL INTEREST THAT ARE DISCOVERED IN THE COURSE OF ANY CONSTRUCTION ACTIVITIES MUST BE CAREFULLY PRESERVED THE CONTRACTOR MUST LEAVE THE ARCHEOLOGICAL FIND UNDISTUBBED AND MUST IMMEDIATELY REPORT THE FIND TO THE OWNER SO THAT THE PROPER AUTHORITY MAY BE NOTIFIED.

1. EARTHWORK

GENERAL

- 1-01 SUBMITTALS A. EROSION AND CONTROL MEASURES B. COMPACTION TESTS
- C. SOILS CLASSIFICATION TESTS D. PRESERVATION PLANS

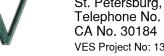
1-02 SITE EXAMINATION BEFORE SUBMITTING BIDS, CONTRACTORS SHALL INFORM THEMSELVES AS TO LOCATION AND NATURE OF THE WORK. CHARACTER OF EQUIPMENT AND FACILITIES NEEDED FOR PERFORMANCE OF THE WORK. GENERAL AND LOCAL CONDITIONS PREVAILING AT THE SITE. AND OTHER MATTERS WHICH MAY, IN ANY WAY, AFFECT THE WORK UNDER CONTRACT. EXAMINE SOURCES OF INFORMATION CONCERNING GROUND WATER LEVEL, WHETHER SURFACE OR SUBSURFACE. EACH BIDDER TO DRAW HIS OWN CONCLUSION CONCERNING GROUND WATER LEVELS AND HOW WATER AFFECTS HIS WORK.

1-02A SITE EXAMINATION - WELLS ANY WELLS, WHETHER KNOWN AT THE TIME OF CONSTRUCTION OR FOUND DURING

CONSTRUCTION, SHALL BE PLUGGED AND ABANDONED BY A LICENSED WELL CONTRACTOR IN CONFORMANCE WITH 40D-3.531, F.A.C. OR CUBRENT STATE REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH THE SITE AND DETERMINING. THROUGH VISUAL INSPECTION, IF ANY WELLS EXIST WITHIN THE CONSTRUCTION AREA.



al drawing is 24" x 36". Scale entities accordingly if reduced. All reproduction & intellectual property rights reserved ©20



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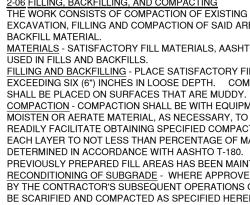
OR REQUIREMENT SHALL BE USED.

MUSEUM, ARBOR, AND RESTROC 100% CONSTRUCTION DOCUMEN



2. EXECUTION

ONGER REQUIRED



1-03 SUBSURFACE INVESTIGATIONS SUBSURFACE DATA, INCLUDING GROUND WATER ELEVATIONS OR CONDITIONS, IF SHOWN ON THE DRAWINGS OR ATTACHED TO THESE SPECIFICATIONS, ARE PRESENTED ONLY AS INFORMATION THAT IS AVAILABLE WHICH INDICATED CERTAIN CONDITIONS FOUND AND LIMITED TO THE EXAC LOCATIONS, SHALL NOT BE INTERPRETED AS AN INDICATION OF CONDITIONS THAT MAY ACTUALLY BE DEVELOPED THROUGH THE PERIOD OF CONSTRUCTION. BIDDERS SHALL EXAMINE THE SITE OF THE WORK AND MAKE THEIR OWN DETERMINATION OF THE CHARACTER OF MATERIALS AND THE CONDITIONS TO BE ENCOUNTERED ON THE WORK AND THEIR PROPOSAL SHALL BE BASED UPON THEIR OWN INVESTIGATIONS. THE OWNER AND ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR VARIATIONS FOUND TO EXIST BETWEEN THE ATTACHED DATA ABOVE REFERRED TO AND ACTUAL FIELD CONDITIONS THAT DEVELOP THROUGH THE PERIOD OF CONSTRUCTION. WHERE EXISTING GRADES, UTILITY LINES AND SUBSTRUCTURES ARE SHOWN ON THE DRAWINGS, THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR CORRECTNESS OF EXISTING CONDITIONS INDICATED. THE CONTRACTOR SHALL ASCERTAIN EXACT LOCATIONS OF UTILITIES AND SUBSTRUCTURES THAT MAY BE AFFECTED BY THIS

PROJECT, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE OR INJURY THAT MAY RESULT FROM WORKING ON OR NEAR THOSE UTILITIES, SUBSTRUCTURES WHICH ARE NOT TO BE REMOVED OR DEMOLISHED. THE CONTRACTOR SHALL MAKE HIS OWN DEDUCTIONS OF THE SUBSURFACE CONDITIONS WHICH MAY AFFECT METHODS OR COST OF CONSTRUCTION AND HE AGREES THAT HE WILL MAKE NO CLAIM FOR DAMAGES OR OTHER COMPENSATION, EXCEPT SUCH AS ARE PROVIDED FOR IN THE AGREEMENT, SHOULD HE FIND CONDITIONS DURING THE PROGRESS OF THE WORK DIFFERENT FROM THOSE AS CALCULATED OR ANTICIPATED BY HIM. 1-04 <u>BENCH MARKS AND MONUMENTS</u> MAINTAIN CAREFULLY EXISTING BENCH MARKS, MONUMENTS, AND OTHER REFERENCE POINTS.

IF DISTURBED OR DESTROYED, REPLACE AS DIRECTED. 1-05 JOB CONDITIONS CONDITION OF PREMISES: ACCEPT SITE AS FOUND AND EXCAVATE, FILL, COMPACT, AND

BACKFILL SITE AS HEREINAFTER SPECIFIED. EXISTING STRUCTURES AND PROPERTY - TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES AND FACILITIES: PROVIDE AND REPLACE BRACING OR SHORING AS NECESSARY OR PROPER IN CONNECTION THEREWITH; BE RESPONSIBLE FOR SAFETY AND SUPPORT OF SUCH STRUCTURES; BE LIABLE FOR ANY MOVEMENT OR SETTLEMENT, ANY DAMAGE OR INJURY CAUSED THEREBY OR RESULTING THEREFROM. IF AT ANY TIME SAFETY OR ANY ADJACENT STRUCTURES APPEARS TO BE ENDANGERED, CEASE OPERATION, TAKE PRECAUTIONS TO SUPPORT SUCH STRUCTURES AND NOTIFY THE OWNER. RESUME OPERATIONS ONLY AFTER PERMISSION HAS BEEN GRANTED BY THE OWNER. SIDEWALKS AND STREETS - TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT. SETTLEMENT OR COLLAPSE OF ANY SIDEWALKS, CURBS OR STREET PASSAGES ON ADJOINING SITE: BE LIABLE FOR ANY SUCH MOVEMENT, SETTLEMENT OR COLLAPSE; REPAIR PROMPTLY SUCH DAMAGE WHEN SO ORDERED. INSTALL SUCH SHORING, INCLUDING SHEET PILING, AS MAY BE REQUIRED DURING EXCAVATION, TO PROTECT BANKS, ADJACENT PAVING, STRUCTURES AND UTILITIES. RESPONSIBILITY - BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES OR TO EQUIPMENT AND FURNISHINGS HOUSED THEREIN WHICH ARE DUE DIRECTLY OR INDIRECTLY TO CONSTRUCTION OPERATIONS. EXCEPT WHERE REMOVAL IS NECESSITATED BY SITE GRADING OR LOCATION OF NEW BUILDING. USE EVERY POSSIBLE PRECAUTION TO PREVENT INJURIES TO LANDSCAPING. DRIVES. CURBS. AND WALKS ON OR ADJACENT TO SITE OF THE WORK AND REPLACE, AT NO EXPENSE TO OWNER, ANY OF SUCH THAT ARE DESTROYED

<u>2-01 GENERAL</u> ACCOMPLISH IN A MANNER THAT PROVIDES FOR THE SAFETY OF THE PUBLIC AND WORKMEN AND PROVIDE FOR THE PROTECTION OF ALL PROPERTY. CONSTRUCTION - DO NOT CLOSE, OBSTRUCT OR STORE MATERIAL OR EQUIPMENT IN STREETS, SIDEWALKS, ALLEYS OR PASSAGEWAYS WITHOUT A PERMIT IN ACCORDANCE WITH LOCAL LOCAL ORDINANCES, REGULATIONS, AND CODES. INTERFERENCE - CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE WITH ROADS, STREETS,

RIVEWAYS, ALLEYS, SIDEWALKS AND OTHER FACILITIES. PNEUMATIC TOOLS - WORK WITH PNEUMATIC OR VIBRATORY TOOLS WILL BE PERMITTED ONLY IN A MANNER WHICH CAUSES NO RELATED DAMAGES. REMOVAL - UNLESS OTHERWISE NOTED OR SPECIFIED TO BE RELOCATED OR STORED, ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED COMPLETELY AWAY FROM THE SITE BY HIM. DO NOT STORE OR PERMIT DEBRIS TO ACCUMULATE ON THE SITE.

EMPORARY STRUCTURES - REMOVE ALL TEMPORARY STRUCTURES WHEN THEY ARE NO REPAIR - CLEAN UP, REPAIR OR REPLACE AT NO COST TO OWNER ALL PROPERTY DAMAGED BY REASON OF REQUIRED WORK. ALL PATCH WORK SHALL MATCH EXISTING AND BE PERFORMED

IN A NEAT AND WORKMANI IKE MANNER BY CRAETSMEN SKILLED IN THE TRADE INVOLVED IN NEWLY GRADED AREAS TAKE EVERY PRECAUTION AND TEMPORARY MEASURE NECESSARY TO PREVENT DAMAGE FROM EROSION OF FRESHLY GRADED AREAS. WHERE ANY SETTLEMENT OR WASHING MAY OCCUR PRIOR TO ACCEPTANCE OF THE WORK, REPAIR AND RE-ESTABLISH GRADES TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER. THIS APPLIES TO DAMAGE TO THE NEWLY GRADED AREAS WITHIN THE CONSTRUCTION LIMITS AND DAMAGE TO ADJACENT PROPERTIES BY ERODED MATERIAL

2-02 LOCATIONS AND ELEVATIONS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEYS, MEASUREMENTS AND LAYOUTS REQUIRED FOR PROPER EXECUTION OF THE WORK. LAY OUT LINES AND GRADES FROM EXISTING SURVEY CONTROL SYSTEM AND AS SHOWN ON DRAWINGS.

2-03 CLEARING AND GRUBBING WITHIN LIMITS OF AREAS DESIGNATED FOR GRADING AND SITE CONSTRUCTION WORK, REMOVE TREES, BRUSH, STUMPS, WOOD DEBRIS AND OTHER DELETERIOUS MATERIALS NOT REQUIRED TO REMAIN AS PART OF THE FINISHED WORK REMOVE ALL GRASS, PLANTS, VEGETATION AND ORGANIC MATERIAL FROM SAME AREA.

STRIP ALL TOPSOIL, ORGANIC MATERIAL, SURFACE LITTER, RUBBLE, AND OVERBURDEN FOR ENTIRE DEPTH OF ROOT SYSTEM OF GRASS OR OTHER VEGETATION OVER THE LIMITS OF CONSTRUCTION. STOCKPILE TOPSOIL ON SITE WHERE DIRECTED.

FEGIN EXCAVATION AFTER STRIPPING. CLEARING AND GRUBBING WHERE APPLICABLE, HAS BEEN COMPLETED. EXCAVATE TO GRADES REQUIRED TO ACCOMMODATE THE PROPOSED CONSTRUCTION: DE-WATER AS NEEDED BEMOVE UNSATISFACTORY MATERIALS ENCOUNTERED FROM THE BUILDING AREAS, AND OTHER NON-LANDSCAPED AREAS, AND OTHER NON-LANDSCAPED AREAS. EXCAVATE IN SUCH A MANNER THAT QUICK AND EFFICIENT DRAINAGE OF STORMWATER WILL BE AFFECTED. CLASSIFY EXCAVATED MATERIALS AND STOCKPILE SEPARATELY SUITABLE SOILS FOR USE AS BACKFILL MATERIALS. IF SUFFICIENT QUANTITIES OF EXCAVATED MATERIALS MEETING REQUIREMENTS FOR BACKFILL ARE NOT AVAILABLE ON-SITE, PROVIDE MATERIALS MEETING THESE REQUIREMENTS. STOCKPILE EXCAVATED MATERIAL SUITABLE FOR USE AS FILL AND BACKFILL.

2-06 FILLING, BACKFILLING, AND COMPACTING THE WORK CONSISTS OF COMPACTION OF EXISTING EARTH (EXCLUDES ROCK), SURFACES AFTER EXCAVATION, FILLING AND COMPACTION OF SAID AREA TO LEVELS REQUIRED WITH SUITABLE MATERIALS - SATISFACTORY FILL MATERIALS, AASHTO CLASSIFICATION A-3 OR BETTER, SHALL BE

FILLING AND BACKFILLING - PLACE SATISFACTORY FILL MATERIAL IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6") INCHES IN LOOSE DEPTH. COMPACT AS SPECIFIED HEREIN. NO MATERIAL

COMPACTION - COMPACTION SHALL BE WITH EQUIPMENT SUITED TO SOIL BEING COMPACTED. MOISTEN OR AERATE MATERIAL, AS NECESSARY, TO PROVIDE MOISTURE CONTENT THAT WIL READILY FACILITATE OBTAINING SPECIFIED COMPACTION WITH EQUIPMENT USED. COMPACT EACH LAYER TO NOT LESS THAN PERCENTAGE OF MAXIMUM DENSITY SPECIFIED BELOW, DETERMINED IN ACCORDANCE WITH AASHTO T-180. INSURE THAT THE COMPACTION OF PREVIOUSLY PREPARED FILL AREAS HAS BEEN MAINTAINED PRIOR TO PLACING NEW LAYERS. RECONDITIONING OF SUBGRADE - WHERE APPROVED COMPACTED SUBGRADES ARE DISTURBED. THE CONTRACTOR'S SUBSECIENT OPERATIONS OF ADVERSE WEATHER, SUBGRADE SHALL BE SCARIFIED AND COMPACTED AS SPECIFIED HEREINBEFORE TO REQUIRED DENSITY PRIOR TO FURTHER CONSTRUCTION THEREON. RE-COMPACTION OVER UNDERGROUND UTILITIES SHALL **BE BY POWER-DRIVEN HAND TAMPERS** COMPACTION REQUIREMENTS:

FILL UNDER LAWNS AND PLANTED AREAS: 95% B. BELOW SLABS ON GRADE AND CONCRETE WALKS: 98% C. UNDER PAVING AND PARKING AREAS: 98%

THE CONTRACTOR WILL PROVIDE THE SERVICES OF A TESTING LABORATORY TO PERFORM SPECIFIED TESTS, INSPECTIONS, INSTRUMENTATION AND INSPECTION OF THE WORK. TESTS OF MATERIALS SHALL BE AS FOLLOWS:

A. SOIL CLASSIFICATION - ONE TEST FROM EACH TYPE OF MATERIAL ENCOUNTERED AND/OR PROPOSED TO BE USED. B. LABORATORY TESTS FOR MOISTURE-CONTENT AND DENSITY ACCORDING TO AASHTO T-180 -ONE TEST FOR EACH MATERIAL ENCOUNTERED AND/OR PROPOSED TO BE USED. C. FIELD TESTS FOR MOISTURE CONTENT AND DENSITY - ONE TEST PER LAYER OF FILL PER 5,000 SQUARE FEET OF AREA.

ONE COPY OF ALL TEST REPORTS, SIGNED AND SEALED BY TESTING LABORATORY ARE TO BE PROVIDED TO THE ENGINEER. SUPPLEMENTAL SPECIFICATIONS

HE CONTRACTOR SHALL BECOME FAMILIAR WITH AND ADHERE TO THE SPECIFICATIONS AND STANDARDS OF THE UTILITY COMPANIES WHICH ARE SERVING THE PROJECT SITE. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH ALL SITE DEVELOPMENT STANDARDS AND CODES OF THE REGULATORY AGENCIES ASSOCIATED WITH THIS PROJECT. THE LATEST VERSION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE CONSTRUCTION STANDARD SPECIFICATIONS THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL BE INCLUDED WITHIN THE PROJECT SPECIFICATIONS. UNLESS OTHERWISE NOTED, EITHER ON THE PLANS OR WITHIN THE SPECIFICATIONS, THE APPLICABLE SECTIONS OF THE FLORIDA DEPARTMENT OF RANSPORTATION STANDARD SPECIFICATIONS AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL APPLY INCLUDING REFERENCES THEREIN. THE GENERAL DESCRIPTION OF THE NATURE OF THE WORK SHALL BE SUFFICIENT COBBELATION TO THE FLOBIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS EXACT ITEM DESCRIPTION IS NOT REQUIRED. IN THE EVENT THERE ARE CONFLICTS BETWEEN SPECIFICATIONS OR REQUIREMENTS. THE MOST RESTRICTIVE (CONSERVATIVE) SPECIFICATION

POTABLE WATER DISTRIBUTION/WASTEWATER COLLECTION INSTALLATION UNLESS OTHERWISE NOTED ON THE PLANS, THE STANDARDS AND SPECIFICATIONS OF THE ASSOCIATED UTILITY COMPANY SERVING THE PROJECT SITE SHALL BE ADHERED TO FOR ALL MATERIALS, INSTALLATION, TESTING, AND CERTIFICATION ACTIVITIES FOR ALL PUMP STATIONS MAIN LINES, SERVICES, AND APPURTENANCES. IF STANDARDS AND SPECIFICATIONS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS ADOPTED BY LOCAL UTILITIES, LOCAL GOVERNMENTAL REGULATIONS, OR THE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES. WHICHEVER IS SPECIFICALLY THE MOST RESTRICTIVE.

STORMWATER PIPE INSTALLATION AND MISCELLANEOUS EXCAVATIONS UNLESS OTHERWISE NOTED ON THE DLANG OF CERTIFIC THERWISE NOTED ON THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM THE EXCAVATION, BEDDING, JOINTS, AND BACKFILLING OPERATIONS IN ACCORDANCE WITH THE POTABLE WATER/WASTEWATER INSTALLATION SPECIFICATIONS, LOCAL GOVERNMENTAL REGULATIONS OR STANDARDS, F.D.O.T. STANDARDS AND SPECIFICATIONS, OR MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES, WHICHEVER IS SPECIFICALLY THE MOST RESTRICTIVE

IF UNSUITABLE MATERIAL IS ENCOUNTERED WITHIN THE ROADWAY AREA AND/OR UTILITY AREAS IT SHALL BE REMOVED TO A DEPTH OF THREE (3.0') FEET BELOW THE SUB-BASE OR TRENCH BOTTOM AND SHALL BE BACKFILLED WITH A-3 MATERIAL OR BETTER WITH PLACEMENT AND COMPACTION METHODS IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS OR AS OTHERWISE NOTED ON THE PLANS. UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE SITE, UNLESS THE ENGINEER APPROVES USE WITHIN LANDSCAPED AREAS.

3. DE-WATERING

<u>3-01 GENERAL</u> DE-WATERING CONSISTS OF PERFORMING ALL WORK NECESSARY TO REMOVE SURFACE WATER AND/OR CONTROL THE GROUND WATER LEVELS AND HYDROSTATIC PRESSURES IN ORDER TO PERMIT ALL EXCAVATION AND CONSTRUCTION UNDER THIS CONTRACT TO BE PERFORMED IN THE DRY. WORK OF THIS SECTION INCLUDES INSTALLATION. OPERATIONS. MAINTENANCE. SUPERVISION, SUPPLY, DISMANTLING, AND REMOVAL FROM THE SITE OF THE DE-WATERING

EQUIPMENT. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE POTENTIAL FOR EXCESSIVE RAINFALL, THE GROUND CONDITIONS, AND THE GROUND WATER CONDITIONS. GROUND WATER ELEVATION CAN FLUCTUATE. IT IS ANTICIPATED THAT ANY EXCAVATIONS MAY ENCOUNTER THE GROUND WATER TABLE. DRAINAGE OF THE SITE - AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN AND OPERATE

ADEQUATE SUBFACE AND SUBSUBFACE DRAINAGE METHODS IN ORDER TO KEEP THE CONSTRUCTION SITE DRY AND IN SUCH CONDITION THAT PLACEMENT AND COMPACTION OF FILL MAY PROCEED UNHINDERED BY SATURATION OF THE AREA. DURING CONSTRUCTION, THE SURFACE OF THE BACKFILL AREA SHALL BE LEFT IN SUCH CONDITION THAT PRECIPITATION AND/ OR SURFACE WATER WILL RUN OFF WITHOUT PONDING.

THE CONTROL OF ALL SURFACE AND SUBSURFACE WATER IS PART OF THE DE-WATERING REQUIREMENTS. MAINTAIN ADEQUATE CONTROL SO THAT THE STABILITY OF EXCAVATED AND CONSTRUCTION SLOPES IS NOT ADVERSELY AFFECTED BY WATER. THAT EROSION IS CONTROLLED, AND THE FLOODING OF EXCAVATIONS OR DAMAGE TO STRUCTURES DOES NOT OCCUR. DRAIN SURFACE WATER AWAY FROM THE EXCAVATION. DISPOSE OF ALL WATER REMOVED FROM THE EXCAVATION IN A MANNER THAT WILL NOT ENDANGER PUBLIC HEALTH, PROPERTY, OR PORTIONS OF THE WORK UNDER CONSTRUCTION OR COMPLETED. DISPOSE OF WATER IN A MANNER THAT WILL CAUSE NO INCONVENIENCE WHATSOEVER TO THE OWNER OR TO OTHERS ENGAGED IN WORK AT THE SITE. DISPOSE OF WATER RESULTING FROM DE-WATERING OPERATIONS IN ACCORDANCE WITH CITY, COUNTY, STATE AND FEDERAL REGULATIONS CONDUCT OPERATIONS SO THAT STORMWATER BUNDEE SEDIMENT IS NOT DISCHARGED TO THE ADJACENT WATER BODIES, SEWERS, STREETS AND ADJACENT PROPERTIES. DE-WATERING SYSTEM SHALL BE SO DESIGNED AS TO PREVENT REMOVAL OF SOIL FINES FROM THE SITE DURING THE DE-WATERING OPERATION.

4. PORTLAND CEMENT CONCRETE PAVING

4-01 QUALITY ASSURANCE COMPLY WITH ACI STANDARDS "RECOMMENDED PRACTICES FOR CONSTRUCTION OF CONCRETE PAVEMENTS AND CONCRETE BASES" (ACI316, LATEST EDITION).

<u>4-02 REFERENCE STANDARDS</u> THE FOLLOWING REFERENCE STANDARDS OF THE ISSUES LISTED BELOW, BUT REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY, FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED BY THE REFERENCES THERETO. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH HEREINAFTER SPECIFIED STANDARDS. A AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- B. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD C. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS & SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION)
- SECTION 350 "CEMENT CONCRETE PAVEMENT". D. T-180 MOISTURE-DENSITY RELATIONS OF SOILS
- 4-03 SUBMITTALS THE CONTRACTOR SHALL SUBMIT TWO COPIES OF TEST REPORTS PREPARED BY AN

INDEPENDENT TESTING LABORATORY AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED TO PRACTICE IN THE STATE OF FLORIDA. THESE REPORTS SHALL INDICATE ALL

TESTS PERFORMED AND SHALL INCLUDE A CERTIFICATION STATEMENT OF COMPLIANCE WITH THE PROJECT SPECIFICATION. TESTS SHALL BE PERFORMED AS SPECIFIED UNDER THIS SECTION.

SUBMIT FOR REVIEW THE FOLLOWING: A. CONCRETE DESIGN MIX AND PROVING FLEXURAL STRENGTH (MODULUS OF RUPTURE) TESTS B. EXPANSION JOINT FILLER DATA

- C. JOINT SEALER DATA D. "PROPOSED PAVING CONSTRUCTION PLAN" WHICH SHALL SHOW THE CONCRETE PAVING JOINT TYPES AND LOCATIONS AND SHALL INCLUDE A STATEMENT OF AND SCHEDULE OF PAVING OPERATIONS
- E. RESULTS OF CONCRETE TESTS F. RESULTS OF FIELD TESTS OF LBR AND COMPACTION OF STABILIZED SUBGRADE

TABILIZED SUBGRADE - PROVIDE 12 INCH STABILIZED SUBGRADE (LBR 40 MIN) COMPACTED TO A MINIMUM DENSITY OF 98% AS DETERMINED BY AASHTO T-180. CONCRETE - CONCRETE FOR CONCRETE PAVEMENT SHALL HAVE A COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS, A SLUMP RANGE BETWEEN 2 TO 4 INCHES AND A 28-DAY MODULUS OF RUPTURE OF 650 PSI AS DETERMINED BY THE REQUIREMENTS OF PARAGRAPH TESTING SPECIFIED HEREINAFTER.

JOINT SEALER - JOINT SEALING SHALL CONFORM TO FEDERAL SPECIFICATIONS SS-S1401 OR SS-S-200d (COLD APPLIED). PRE-MOLDED EXPANSION JOINT FILLER - PRE-MOLDED EXPANSION JOINT FILLER SHALL CONFORM TO ASTM D1751-73.

4-05 EXECUTION COMPLY WITH ACI STANDARD 316-74 AND SECTION 350, FDOT STANDARDS AND SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED HEREIN FINAL GRADING - ALL CONCRETE PAVEMENT SHALL HAVE A MAXIMUM DEVIATION OF 1/8 INCH(+/-) FROM THE SPECIFIED SUBFACE PLANE AND PLAN GRADES. THE SUBFACE FINISH SHALL BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE. IN GENERAL, THE TEXTURE IS OF A MEDIUM BROOM FINISH AFTER FLOATING.

JOINTS - CONTRACTION JOINTS INDICATED ON DRAWINGS, OR AS REQUIRED, SHALL BE PLACED PERPENDICULAR TO THE FINISH GRADE OF THE CONCRETE. JOINTS SHALL BE CUT TO A DEPTH OF 1/4 OF THE SLAB THICKNESS BY CUTTING WITH AN EDGING TOOL HAVING A 1/4 INCH RADIUS OR BY SAWING WITH A BLADE PRODUCING A CUT NOT LESS THAN 1/8 INCH IN WIDTH. SAW JOINTS WITHIN 4 TO 6 HOURS OF CONCRETE PLACEMENT. EXPANSION JOINTS SHALL BE PLACED WHERE INDICATED ON DRAWINGS. OR AS REQUIRED.

USING 1/2 INCH THICK PREFORMED EXPANSION JOINT MATERIAL. ANCHOR WITH APPROVE DEVICES TO PREVENT DISPLACEMENT DURING PLACEMENT AND FINISHING. EDGES SHALL BE ROUNDED WITH AN EDGING TOOL. JOINTS SHALL BE FULL DEPTH OF CONCRETE EXCEPT THAT TOP EDGES SHALL BE 1/2 INCH BELOW THE FINISH CONCRETE SURFACE. EXPANSION JOINTS SHALL BE SEALED TO THE SURFACE BY FILLING WITH JOINT SEALING COMPOUND. JOINTS SHALL BE CLEANED AND DRY BEFORE SEALING COMPOUND IS PUT IN PLACE. CONSTRUCTION JOINTS ARE TO BE USED AT CONTRACTION JOINT LOCATIONS TO STOP CONCRETE POURS. CURING - CONCRETE SHALL BE CURED BY PROTECTING IT AGAINST LOSS OF MOISTURE AND MECHANICAL INJURY FOR AT LEAST THREE DAYS AFTER PLACEMENT. A PIGMENTED LIQUID CURING MEMBRANE SHALL BE APPLIED IMMEDIATELY AFTER FINISHING OPERATION AT THE RATE

OF ONE GALLON TO NOT MORE THAN 200 SQUARE FEET CLEANING AND SEALING JOINTS - JOINTS SHALL BE FILLED WITH JOINT-SEALING MATERIAL NO ESS THAN 8 HOURS AND WITHIN 2 WEEKS AFTER JOINTS ARE CUT. JUST PRIOR TO SEALING, EACH JOINT SHALL BE THOROUGHLY CLEANED OF ALL FOREIGN MATERIAL INCLUDING ANY MEMBRANE CURING COMPOUND.

TESTING - LABORATORY AND FIELD TESTING SHALL BE AT THE CONTRACTOR'S EXPENSE IN ADDITION. ALL RETESTING SHALL BE DONE AT CONTRACTOR'S EXPENSE. DESIGN MIXES AND TESTING REQUIREMENTS FOR THE CONCRETE PAVEMENT SHALL BE AS FOLLOWS:

A. FLEXURAL STRENGTH TESTS OF CONCRETE AS BASIS FOR DESIGN. B. SLUMP, MODULUS OF RUPTURE AND 7-DAY AND 28-DAY COMPRESSIVE STRENGTH TESTS SHALL BE PERFORMED ON SAMPLES TAKEN AT THE SITE AT A FREQUENCY OF TWO PER ACRE. C. WHERE THE FLEXURAL STRENGTH OF THE CONCRETE IS SPECIFIED, MAKE ONE STRENGTH TEST AND ONE FLEXURAL TEST FOLLOWING (ASTM C192 AND ASTM C78) FOR EACH 100 CUBIC YARDS OR ERACTION THEREOF PLACED PER DAY NUMBER OF CYLINDERS SHALL BE THREE FOR STRENGTH TEST AND THREE FOR FLEXURAL TEST. TEST ONE AT THREE DAYS, ONE AT SEVEN DAYS AND ONE AT 28 DAYS.

5. PAVEMENT MARKING

5-01 QUALITY ASSURANCE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS IN A NEAT AND DESIGN WHICH WILL READILY ACCURATE MANNER. ALL EQUIPMENT SHALL BE OF A TYPE AND DESIGN WHICH WILL READILY OBTAIN THE REQUIRED UNIFORMITY OF APPLICATION OF THE PAVEMENT MARKINGS BOTH AS TO THICKNESS OF COATING AND AS TO ALIGNMENT.

BY THE REFERENCES THERETO: A. SECTIONS 710 AND 711 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. B. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY

ADMINISTRATION | ATEST EDITION

5-03 SUBMITTALS SUBMIT PAINT TESTS, AS SPECIFIED IN SECTION 971 OF THE FDOT SPECIFICATIONS AND AS APPLICABLE TO HEREINAFTER SPECIFIED MATERIAL.

-04 MATERIALS AND COLORS ERMOPLASTIC - IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN SECTION 711 OF THE FDOT SPECIFICATIONS. PAINT - IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN SECTION 971-12, CODE T-2 OF THE FDOT SPECIFICATIONS, LATEX PAINT ONLY. COLORS - YELLOW AND WHITE PER FDOT, OR AS INDICATED ON THE DRAWINGS.

5-05 EXECUTION TIME OF APPLICATION - PAINTING SHALL BE DONE ONLY DURING DAYLIGHT HOURS AND, AS FAR AS PRACTICAL, SHALL BE TERMINATED IN TIME TO PERMIT SUFFICIENT DRYING BY SUNSET. WEATHER LIMITATIONS - NO PAINT SHALL BE APPLIED WHEN ANY MOISTURE IS PRESENT ON THE SURFACE TO BE PAINTED OR WHEN THE AIR TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT PAINTING SHALL NOT BE DONE WHEN WINDS ARE SUFFICIENT TO CAUSE SPRAY DUST.

PREPARATION OF SURFACE TO BE PAINTED - THE SURFACE WHICH IS TO BE PAINTED SHALL BE CLEANED, BY COMPRESSED AIR OR OTHER EFFECTIVE MEANS, IMMEDIATELY BEFORE THE START OF PAINTING AND SHALL BE CLEAN AND DRY WHEN THE PAINT IS APPLIED. ANY VEGETATION OR LOOSE SOILS SHALL BE REMOVED FROM THE PAVEMENT BEFORE STRIPING IS BEGUN. MIXING PAINT - THE PAINT SHALL BE THOROUGHLY MIXED BEFORE IT IS POURED INTO THE PAINTING MACHINE AND NO THINNING OF THE PAINT IN THE MACHINE WILL BE ALLOWED AT ANY TIME. BEFORE THE START OF EACH DAY'S WORK, THE PAINT CONTAINER, CONNECTIONS AND THE SPRAY NOZZLES ON THE MACHINE SHALL BE THOROUGHLY CLEANED WITH PAINT THINNER OR OTHER SUITABLE CLEANER. PAINT APPLICATION - THE TRAFFIC MARKINGS SHALL BE OF THE SPECIFIED DIMENSIONS WITH

CLEAN, TRUE EDGES AND WITHOUT SHARP BREAKS IN THE ALIGNMENT. A UNIFORM COATING OF PAINT SHALL BE OBTAINED AND THE FINISHED MARKINGS SHALL CONTAIN NO LIGHT SPOTS OR PAINT SKIPS. ANY STRIPES WHICH DO NOT HAVE A UNIFORM, SATISFACTORY APPEARANCE BOTH DAY AND NIGHT SHALL BE COBRECTED RATE OF PAINT APPLICATION - THE MINIMUM RATE OF APPLICATION FOR PAINT SHALL BE AS A. FOUR INCH SOLID: 20 GALLONS PER MILE.

B. HANDICAP LOGO: IN CONFORMANCE TO THE REQUIREMENTS OF THIS SECTION AND LOCAL C. ANY OTHER WIDTH STRIPE OR MARKINGS: A DIRECT PROPORTION OF THE ABOVE ITEM A.

SHALL BE 15 MILS E. ALIGNMENT OF STRIPES: WHERE A STRIPE DEVIATES FROM THE CORRECT ALIGNMENT, AS INDICATED BY THE STRING LINE, BY MORE THAN ONE INCH IN ANY 20 FOOT LENGTH, IT SHALL BE OBLITERATED AND THE STRIPE CORRECTED HEREINAFTER AS SPECIFIED IN SECTION

5-08 CORRECTIVE MEASURES 6 PROTECTION OF PAINTED MARKINGS FOTECTION OF STRIPES - ALL NEWLY PAINTED STRIPES, OR OTHER MARKINGS, SHALL BE PROTECTED UNTIL THE PAINT IS SUFFICIENTLY DRY TO PERMIT VEHICLES TO CROSS THE MARKING WITHOUT DAMAGE FROM THE TIRES. REPAIR OF DAMAGED AREAS - ANY PORTIONS OF THE STRIPES DAMAGED BY PASSING TRAFFIC OR FROM ANY OTHER CAUSE, SHALL BE REPAINTED AT THE CONTRACTOR'S EXPENSE.

7 <u>DIMENSION AND ALIGNMENT TOLERANCE</u> <u>MENSIONS</u> - NO MARKING SHALL BE LESS THAN THE SPECIFIED WIDTH. NO MARKINGS SHALL EXCEED THE SPECIFIED WIDTH BY MORE THAN ONE-HALF INCH. ALIGNMENT TOLERANCES SHALL BE AS SPECIFIED IN SECTION 5-05 EXECUTION (E) COBRECTION BATES - ANY COBRECTIONS OF VARIATION IN THE WIDTH OF OR IN THE ALIGNMENT OF STRIPES SHALL NOT BE MADE ABRUPTLY BUT THE STRIPES SHALL BE RETURNED TO THE

5-08 CORRECTIVE MEASURES ALL PAINTED MARKINGS WHICH FAIL TO MEET THE SPECIFICATIONS, INCLUDING THE PERMISSIBLE TOLERANCES AND THE APPEARANCE REQUIREMENTS, OR ARE MARRED OR DAMAGED BY TRAFFIC OR FROM OTHER CAUSES, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE ALL DRIP AND SPATTERED PAINT SHALL BE REMOVED. WHENEVER IT IS NECESSARY TO REMOVE PAINT. IT SHALL BE DONE BY MEANS WHICH WILL NOT DAMAGE THE UNDERLYING SUBFACE OF THE PAVEMENT WHEN NECESSARY TO CORRECT A DEVIATION WHICH EXCEEDS THE PERMISSIBLE TOLERANCE IN ALIGNMENT, THAT PORTION OF THE STRIPE AFFECTED SHALL BE REMOVED AND REPAINTED IN ACCORDANCE WITH THESE SPECIFICATIONS.

ORRECTIVE DEVICES - MIS-ALIGNMENT, DEFECTIVE SURFACES, ETC, SHALL BE CORRECTED BY HEMICAL AGENTS, OR BY ANY OTHER TYPE OF MECHANICAL DEVICE, WHICH WILL EFFECTIVELY REMOVE THE PAINT WITHOUT DAMAGE TO THE PAVEMENT SURFACE, OR WHICH WILL NOT PREVENT THE RE-APPLICATION OF MARKINGS.

BATCH USED IN APPLICATION OF PAVEMENT MARKINGS. ALSO PROVIDE PAINT SPECIFICATIONS

ANY PAVEMENT MARKINGS LOCATED WITHIN PUBLIC RIGHTS-OF-WAY SHALL BE THERMOPLASTIC UNLESS OTHERWISE INDICATED. ANY PAVEMENT MARKINGS LOCATED ON-SITE SHALL BE PAINT UNLESS OTHERWISE INDICATED

CONSTRUCTION TOLERANCES THE FOLLOWING ARE THE ALLOWABLE DEVIATIONS FROM PROJECT DESIGN GRADES AND GRADIENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM AND DOCUMENT COMPLIANCE WITH THESE TOLERANCES PRIOR TO PROCEEDING FROM ONE PHASE OF CONSTRUCTION TO THE NEXT:

STORMWATER MANAGEMENT/DRAINAGE FACILITIES A. PERIMETER CONTAINMENT BERM: MINIMUM ELEVATION = DESIGN GRADE

MAXIMUM ELEVATION = DESIGN GRADE + 0.10 FOOT B. WATER CONTROL STRUCTURE MINIMUM GRATE ELEVATION = DESIGN GRADE MAXIMUM GRATE ELEVATION = DESIGN GRADE + 0.10 FOOT MINIMUM CREST ELEVATION = DESIGN GRADE MAXIMUM CREST ELEVATION = DESIGN GRADE + 0.05 FOOT MINIMUM BI FEDER ELEVATION = DESIGN GRADE

MAXIMUM BLEEDER ELEVATION = DESIGN GRADE + 0.05 FOOT MINIMUM TOP OF FILTER ELEVATION = DESIGN GRADE MAXIMUM TOP OF FILTER ELEVATION = DESIGN GRADE + 0.05 FOOT C. CATCH BASINS/INLETS/PIPE INVERTS: MINIMUM ELEVATION = DESIGN GRADE - 0.05 FOOT MAXIMUM ELEVATION = DESIGN GRADE + 0.05 FOOT

D. SWALE GRADES/GRADIENTS: MINIMUM ELEVATION = DESIGN GRADE - 0.10 FOOT MAXIMUM ELEVATION = DESIGN GRADE + 0.10 FOOT MINIMUM FLOWLINE GRADIENT = 90% OF DESIGN GRADIENT E. PAVEMENT GRADES/GRADIENTS: FLEXIBLE PAVEMENT GRADE:

MINIMUM ELEVATION = DESIGN GRADE - 0.10 FOOT MAXIMUM ELEVATION = DESIGN GRADE + 0.10 FOOT FLEXIBLE PAVEMENT GRADIENT = 90% OF DESIGN GRADIENT (CROSS SLOPE AND LONGITUDINAL SLOPE) F. RIGID (CONCRETE) PAVEMENT GRADE:

MINIMUM ELEVATION = DESIGN GRADE - 0.05 FOOT MAXIMUM ELEVATION = DESIGN GRADE + 0.05 FOOT MINIMUM GRADIENTS = 90% OF DESIGN GRADIENT (CROSS SLOPE AND LONGITUDINAL SLOPE) (GRADIENT UNLESS OTHERWISE SPECIFIED BY LOCAL CODES)

G. RIGID PAVEMENT GRADIENTS H. MAXIMUM HANDICAP RAMP = 1:12

UNLESS OTHERWISE SPECIFIED BY THE LOCAL UTILITY COMPANIES, THE FOLLOWING ARE THE ALLOWABLE TOLERANCES FOR THESE ACTIVITIES: MANHOLES AND PIPE INVERTS: MINIMUM ELEVATION = DESIGN GRADE - 0.05 FOOT MAXIMUM ELEVATION = DESIGN GRADE + 0.05 FOOT MINIMUM LINE GRADIENT = 90% OF DESIGN GRADIENT J ALIGNMENT/LOCATION OF APPUBTENANCES AS ALLOWED BY THE APPLICABLE UTILITY AND/OB LOCAL GOVERNMENTAL ENTITY CONTRACTOR SHALL CONFIRM AND DOCUMENT THIS PRIOR TO CONSTRUCTION.

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SUNKEN GARDENS RENOVATIONS CITY OF ST. PETERSBURG

CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012



5-02 <u>REFERENCE STANDARDS</u> THE FOLLOWING PUBLICATIONS OF THE ISSUE LISTED BELOW, BUT REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY, FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED

D. REQUIRED FILM THICKNESS: THE MINIMUM WET FILM THICKNESS FOR ALL PAINTED AREAS

DESIGN WIDTH AT THE RATE OF AT LEAST 10 FEET FOR EACH 1/2 INCH OF CORRECTION.

DVIDE THE OWNER WITH A MINIMUM OF FIVE (5) GALLONS OF TRAFFIC PAINT FROM THE SAME

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING, COORDINATING, DOCUMENTING, AND PROVIDING THE FOLLOWING MINIMUM TESTING

WATER DISTRIBUTION - UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, THE LINES SHALL BE PRESSURE TESTED TO THE RATING OF THE PIPE. THE LINES SHALL BE TESTED IN SEGMENTS BETWEEN MAINLINE VALVES BACTERIOLOGICAL TEST SAMPLES SHALL BE TAKEN AT ALL BRANCH LINE TERMINATION POINTS OR CONNECTION POINTS AND ALONG THE MAIN LINES AT DISTANCES NOT TO EXCEED 2.640 FEET. ALL HYDRANTS AND VALVES SHALL BE OPERATED TO TEST PERFORMANCE. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF

36 HOURS NOTICE TO THE ENGINEER OF RECORD PRIOR TO TESTING. WASTEWATER COLLECTION - UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, THE FORCE MAIN SHALL BE PRESSURE TESTED TO THE RATING OF THE PIPE. VALVES SHALL BE OPERATED TO TEST PERFORMANCE. DEPENDING UPON WATER TABLE CONDITIONS DETERMINED BY THE ENGINEER. THE GRAVITY LINES SHALL BE TESTED FOR EITHER INFILTRATION OR EXFILTRATION AND INFLOW. THERE SHALL BE NO INFILTRATION

EXFILTRATION OR INFLOW ALLOWED. THE CONTRACTOR SHALL SEAL ANY PIPE, FITTING OR MANHOLE AS REQUIRED. THE CONTRACTOR SHALL PROVIDE A VIDEO TAPE OF ALL MAIN GRAVITY LINES ALONG WITH A LOG OF LATERAL LOCATIONS. ALL ELECTRICAL AND MECHANICAL DEVICES AT LIFT STATIONS SHALL BE TESTED TO VERIFY PROPER OPERATIONAL STATUS. THE CONTRACTOR SHALL PROVIDE MAINTENANCE MANUALS TO THE OWNER. TH CONTRACTOR SHALL PROVIDE A MINIMUM OF 36 HOURS NOTICE TO THE ENGINEER OF RECORD

PRIOR TO TESTING PRIVATE ROADWAY/PARKING SUBGRADE - THE SUBGRADE SHALL BE TESTED FOR THE LBR VALUE AT A FREQUENCY OF ONE PER 10.000 SF. DENSITY TESTS SHALL BE PERFORMED AT A FREQUENCY OF TWO PER 10,000 SF. THICKNESS SHALL BE MEASURED AT EACH DENSITY TEST

LOCATION. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE TESTING LAB. PRIVATE ROADWAY/PARKING BASE - THE BASE SHALL BE TESTED FOR THE LBR VALUE AT A FREQUENCY OF ONE PER 10,000 SF. DENSITY TESTS SHALL BE PERFORMED AT A FREQUENCY OF TWO PER 10,000 SF. A SIEVE ANALYSIS SHALL BE PERFORMED AT A FREQUENCY OF ONE PEB ACRE THICKNESS SHALL BE MEASURED AT EACH DENSITY TEST LOCATION

A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE TESTING LAB. PRIVATE ASPHALT PAVING - ASPHALTIC CONCRETE SHALL BE TESTED FOR THE FOLLOWING ARAMETERS:

THICKNESS, SIEVE ANALYSIS, MIX TYPE, STABILITY, % BITUMEN, AND DENSITY. THE ASPHALT SHALL BE TESTED AT A FREQUENCY OF TWO PER ACRE. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE TESTING LAB. PUBLIC BOADWAYS - AS BEQUIBED BY THE ENTITY HAVING JUBISDICTION THE CONTRACTOR SHALL DETERMINE AND DOCUMENT THESE SPECIFICATIONS PRIOR TO BIDDING PORTLAND CEMENT CONCRETE - CONCRETE SHALL BE TESTED FOR THE FOLLOWING

PARAMETERS SLUMP, MODULUS OF RUPTURE, AND 7 AND 28 DAY COMPRESSIVE STRENGTH. TESTS SHALL BE PERFORMED ON SAMPLES TAKEN AT THE SITE AT A FREQUENCY OF TWO PER ACRE. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE

TESTING LAB. RETENTION/DETENTION FACILITIES - IF INCLUDED WITHIN THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND PERFORM A DRAWDOWN AND CAPACITY TEST OF THE FACILITIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT WATER AND ACCEPTABLE MEANS TO MEASURE THE WATER VOLUMES PROVIDED. IF REQUIRED BY THE ENGINEER. IF A FILTRATION SYSTEM IS INCLUDED WITHIN THE PROJECT, THE FILTER MEDIA SHALL BE TESTED FOR COMPLIANCE WITH ALL CURRENT SPECIFICATIONS OF THE WATER MANAGEMENT DISTRICT. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE TESTING LAB.

IN ADDITION TO THE ENVIRONMENTAL PROTECTION DUBING CONSTRUCTION SPECIFICATIONS THE CONTRACTOR SHALL PERFORM THE FOLLOWING IN THE ORDER LISTED. A. PRIOR TO COMMENCEMENT, PROVIDE NOTIFICATION TO THE SOUTHWEST FLORIDA WATER

- MANAGEMENT DISTRICT AND LOCAL GOVERNMENT. B. PREPARE AND SUBMIT A NPDES NOTICE OF CONSTRUCTION TO THE FDEP. C. ERECT A TURBIDITY SCREEN ON ANY DOWNSTREAM SYSTEM WHICH RECEIVES RUNOFF FROM
- THE PROJECT. INSTALL OUTFALL CONTROL STRUCTURE AND FILTRATION SYSTEM IF D. PROVIDE A TEMPORARY FILTER CLOTH COVERED WITH GRAVEL OVER ANY PROPOSED
- FII TERS E. INSTALL A TEMPORARY TURBIDITY SCREEN AT ALL CONTROL STRUCTURES. F. CONSTRUCT A TEMPORARY PERIMETER BERM AS NECESSARY TO DIRECT ALL RUNOFF WITHIN
- ANY AREA PLANNED FOR CLEARING. G. MAINTAIN FILTER DURING CONSTRUCTION TO PROVIDE CONTINUOUS OPERATION. H. UPON PERFORMING FINAL GRADING, THE CONTRACTOR SHALL REMOVE ALL SILTS, CLAYS AND OTHER DELETERIOUS MATERIAL FROM THE BOTTOM OF ALL STORMWATER MANAGEMENT
- AREAS PRIOR TO GRASSING AFTER ACHIEVING A NON-ERODIBLE COVER OF GRASS, REMOVE TEMPORARY FILTER CLOTH AND GRAVEL OVER FILTERS AND REPLACE WITH NEW FILTER CLOTH AND COVER MATERIAL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS
- J. NOTIFY THE OWNER FOR FINAL INSPECTION. K. UPON FINAL APPROVAL FROM THE OWNER, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES.

OPERATION AND MAINTENANCE OF STORMWATER SYSTEMS

STORMWATER STRUCTURES AND PIPES SHOULD BE INSPECTED AT LEAST ANNUALLY TO DETERMINE IF THEY NEED TO BE CLEANED. TYPICALLY, A CATCH BASIN OR INLET STRUCTURE SHOULD BE CLEANED IF THE DEPTH OF DEPOSITS IS GREATER THAN OR EQUAL TO ONE-THIRD THE DEPTH FROM THE BASIN TO THE INVERT OF THE LOWEST PIPE OR OPENING INTO OR OUT OF THE BASIN. IF THE DEPOSITS SIGNIFICANTLY EXCEEDS THE ONE-THIRD DEPTH STANDARD DURING THE ANNUAL INSPECTION, THEN IT SHOULD BE CLEANED MORE FREQUENTLY. IF WOODY DEBRIS, GRASS CUTTINGS OR TRASH ACCUMULATES IN A CATCH BASIN, THEN IT SHOULD BE CLEANED ON AT LEAST A WEEKLY BASIS. INLET GRATES SHOULD BE INSPECTED AFTER EACH MOWING OPERATION AND ANY CUTTINGS OR DEBRIS SHOULD BE REMOVED. STORMWATER STRUCTURES AND PIPES CAN BE CLEANED EITHER MANUALLY OR BY BUCKET LOADERS OR VACUUM PUMPS. MATERIAL REMOVED FROM STRUCTURES IS USUALLY DISPOSED IN CONVENTIONAL LANDFILLS. HOWEVER, THIS MATERIAL SHOULD BE TESTED TO ENSURE HAT IT IS NOT HAZARDOUS WASTE (EPA CRITERIA) BEFORE ANY MATERIALS CAN BE DISPOSED.

STORMWATER PONDS

PERIODIC VISUAL INSPECTIONS FOR ANY DEBRIS (PAPER AND PLASTIC TRASH, GRASS CLIPPINGS ETC.) WITHIN THE STORMWATER POND SHALL BE PERFORMED. ANY DEBRIS FOUND ON TOP OF THE SAND FILTER SHALL BE REMOVED. VEGETATION WITHIN THE STORMWATER MANAGEMENT SYSTEMS (SOD. GRASS, ETC.) SHALL BE MAINTAINED AT A HEIGHT NO GREATER THAN SIX (6") INCHES. ALL GRASS CLIPPINGS SHALL BE REMOVED FROM THE STORMWATER POND. ANY EROSION PROBLEMS ENCOUNTERED WITHIN THE STORMWATER MANAGEMENT SYSTEM (STORMWATER POND, SWALES, GRASSED AREAS, ETC.) SHALL BE FILLED IN AND SODDED. ANY SOD PLACED IN THE STORMWATER POND BOTTOM SHALL BE OF THE SAND (BASE) GROWN VARIETY. IF CATTAILS HAVE PROPAGATED IN ISOLATED AREAS OF THE STORMWATER POND, THEY ARE TO BE REMOVED BY HAND.

SAND FILTERS

- IF, AFTER ANY AVERAGE RAINFALL EVENT (1 TO 2 INCHES), THERE IS STANDING WATER IN THE DETENTION POND 36 HOURS (1.5 DAYS) AFTER THE RAINFALL EVENT, THE SAND FILTER WILL BE SUBJECT TO THE FOLLOWING MAINTENANCE PROCEDURES: A. REMOVE AND TEMPORARILY STOCKPILE ON FILTER CLOTH (OR EQUIVALENT), THE 3"± GRAVEL
- CAP ON TOP OF THE SAND FILTER. B. REMOVE AND PROPERLY DISPOSE OF THE FILTER CLOTH FOUND ON TOP OF THE SAND FILTER C. INSPECT THE TOP OF THE SAND FILTER FOR EVIDENCE OF SEDIMENTS, SILTS, ETC. (I.E., DISCOLOBATION ALGAE ETC.) FILLING THE VOIDS OF THE SAND MEDIA. IF NO SEDIMENTS SILTS, ETC. ARE FOUND IN THE SAND FILTER MEDIA, GO TO STEP D BELOW. IF SEDIMENTS, SILTS, ETC. ARE FOUND IN THE SAND MEDIA THE FOLLOWING PROCEDURES SHALL BE
- IMPLEMENTED: 1. LOCATE THE LIMITS OF THE SAND FILTER. THE PVC LINER ON THE SIDES OF THE SAND FILTER ARE A GOOD INDICATION OF THE LIMITS OF THE SAND FILTER.
- 2. REMOVE THE TOP SIX (6") INCHES OF SAND FILTER MEDIA. BE CAREFUL NOT TO PUNCTURE THE PVC LINER ON THE SIDES OF THE SAND FILTER. 3. PROPERLY DISPOSE OF THE SPENT FILTER MEDIA.
- 4. REPLACE THE SPENT SAND FILTER MEDIA WITH SAND FILTER MEDIA MEETING THE FOLLOWING SPECIFICATIONS: FILTER MATERIAL TO BE OF A FINE GRANULAR MEDIA; TO BE OF A UNIFORM COEFFICIENT OF 1.5 OR GREATER AND HAVE AN EFFECTIVE GRAIN SIZE OF 0.20 TO 0.55 MILLIMETERS. NO LIME ROCK OR SHELL MATERIAL CAN BE USED AS FILTER MEDIA.
- 5 GO TO STEP D BELOW D. REPLACE THE FILTER CLOTH WITH NEW FILTER CLOTH AND INSTALL THE THREE (3") INCH
- GRAVEL CAP AS ORIGINALLY FOUND. E. TEMPORARILY BLOCK OFF THE OUTFALL PIPE IN CONTROL STRUCTURE. LOCATE THE CLEAN OUT AT THE BEGINNING OF THE SAND FILTER (END FURTHEST FROM THE CONTROL STRUCTURE). REMOVE THE CLEAN OUT CAP. INSERT A HIGH PRESSURE HOSE INTO THE CLEAN OUT AND FORCE WATER INTO THE SAND FILTER PIPE. MONITOR DISCHARGE FLOWS FROM THE SAND FILTER IN THE CONTROL STRUCTURE FOR SEDIMENTS. CONTINUE TO FORCE WATER INTO THE CLEAN OUT UNTIL THERE ARE NO SEDIMENTS FOUND IN THE DISCHARGED WATER AT THE CONTROL STRUCTURE. REMOVE AND PROPERLY DISPOSE OF ANY SEDIMENTS FOUND IN THE CONTROL STRUCTURE.

IF THESE MAINTENANCE PROCEDURES FAIL TO DRAIN THE STORMWATER WITHIN 36 HOURS, CONTACT THE ENGINEER OF RECORD FOR FURTHER INSTRUCTIONS

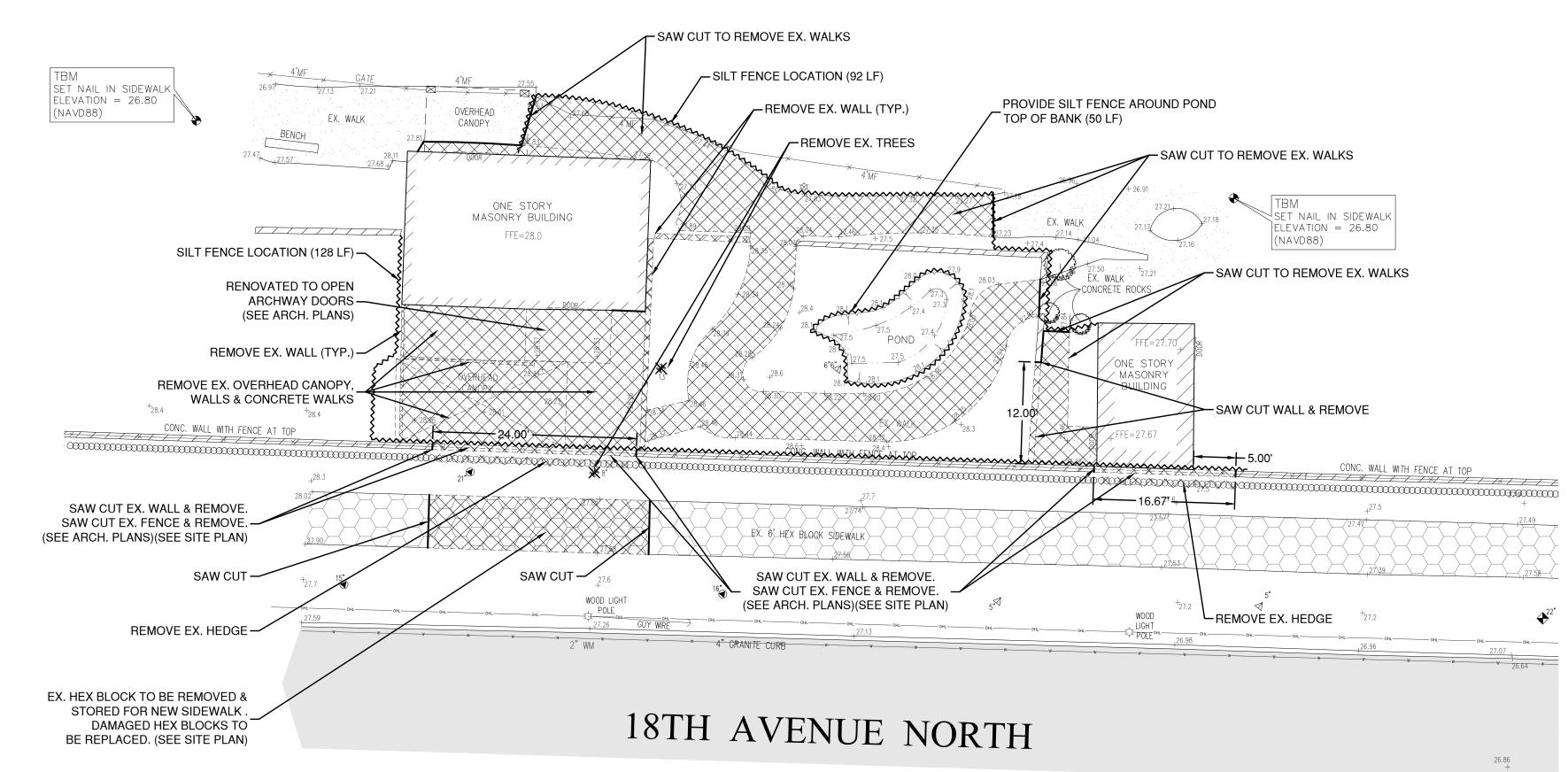
> Daniel M. Vickstrom, P.E. P.E. No. 46090 State of Florida Vickstrom Engineering CA No. 30184 DATE: August 12th, 2020 SCALE: NOT TO SCALE DRAWING No C1

GENERAL NOTES & SPECIFICATIONS



(727) 381-0052 fax

ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG



SUNKEN GARDENS

VICKSTROM ENGINEERING SERVICES, INC. | DESIGNED BY: DV

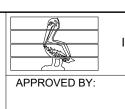
jinal drawing is 24" x 36". Scale entities accordingly if reduced. All reproduction & intellectual property rights reserved ©20



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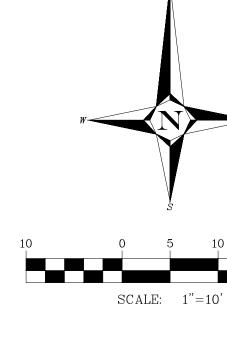


REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS
			CITY OF ST. PETERSBURG
			CONSTRUCTION DOCUMENTS
			CITY PROJECT NO. 19219-019
			ARC3 PROJECT NO. 18012
	REVISIONS	REVISIONS BY	REVISIONS BY DATE



NS	BY	DATE	SUNKEN GARDENS
			CITY OF ST. PETER
			CONSTRUCTION DO





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- 3. THE CONTRACTOR SELECTED FOR THIS PROJECT WILL BE RESPONSIBLE FOR FILING NPDES NOTICE OF INTENT FOR CONSTRUCTION ACTIVITY.
- 4. REFER TO GENERAL NOTES & SPECIFICATION (SHEET C1) FOR ADDITIONAL INFORMATION ON SEDIMENT & EROSION CONTROL METHODS.
- 5. ALL AREAS OF PUBLIC ROADWAYS WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE MILLED AND OVERLAID IN FULL LANE WIDTHS PER CURRENT CITY OF ST. PETERSBURG STANDARDS AND SPECIFICATIONS.
- 6. THE EXISTING IRRIGATION WELL LOCATED ON SITE SHALL BE ABANDONED PER SWFWMD PROCEDURES.
- 7. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO PROTECT AND KEEP SAFE FROM THEFT AND/OR DAMAGE ALL GRANITE CURBING AND/OR STREET OR ALLEY BRICK WHICH MAY BE TEMPORARILY REMOVED AND TO PROVIDE FOR ADEQUATE TRAFFIC AND PEDESTRIAN CONTROL WHILE ANY PORTION OF A PUBLIC TRAVEL PATH IS ADVERSELY AFFECTED. THE PERMIT HOLDER AND THE PROPERTY OWNER ARE JOINTLY AND SEVERALLY LIABLE FOR ANY LOSS OF OR DAMAGE TO ANY SUCH MATERIALS THAT MAY BE TEMPORARILY REMOVED.

DATUM NOTES:

ELEVATIONS ARE BASED ON NATIONAL GEODETIC SURVEY BENCHMARK "BV 263" HAVING AN ELEVATION OF 28.84 NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).

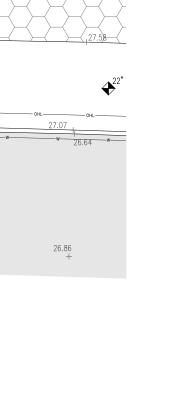
> Daniel M. Vickstrom, P.E. P.E. No. 46090 State of Florida Vickstrom Engineering CA No. 30184 DATE: August 12th, 2020 SCALE: 1" = 10' DRAWING No. C2

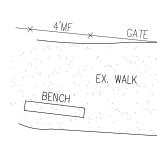
> > EXISTING CONDITIONS /

DEMOLITION PLAN

ARC3 architecture 6699 13th Avenue North, Suite 4A St. Petersburg, FL 33710 (727) 381-5220 (727) 381-0052 fax

ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG





OVERHEAD

CANOPY

NEW WALKS TO BE COLORED TO MATCH TERRA COTTA -(SEE ARCH. PLANS)

NEW CMU WALLS (SEE ARCH. PLANS)

CONC. WALL WITH FENCE AT TOP

EX. HEX BLOCK TO BE RE-LAID AT PROP. GRADES AND DAMAGED HEXAGON BLOCKS TO BE REPLACED. -(SEE GRADING PLAN)

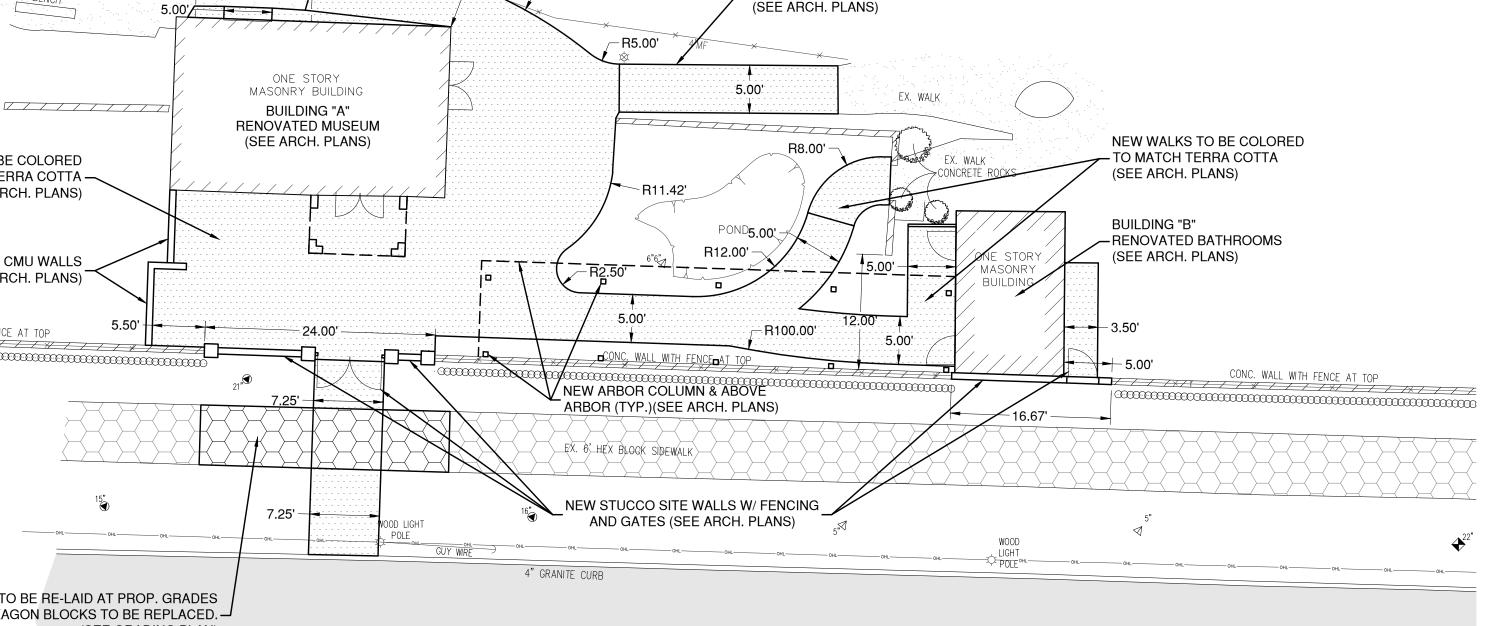
VICKSTROM ENGINEERING SERVICES, INC. | DESIGNED BY: DV

505 20th Avenue NE St. Petersburg, FL 33704 Telephone No. (727) 894-0404 CA No. 30184 VES Project No: 13407

CHECKED BY: DV MUSEUM, ARBOR, AND RES 100% CONSTRUCTION DOC

DRAWN BY: KS





NEW WALKS TO BE COLORED

- TO MATCH TERRA COTTA

18TH AVENUE NORTH

SUNKEN

GARDENS

- 4.85'

-R45.98'

DATE:	08-12-20	REVISIONS	ΒY	DATE	SUNKEN GARDENS RENOVATIONS	<u></u>
DATE:	08-12-20				CITY OF ST. PETERSBURG	1 Manual I
DATE:	08-12-20					
STROOMS CUMENTS					CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012	APPROVED BY:



CITY NOTE:

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SITE LEGEND



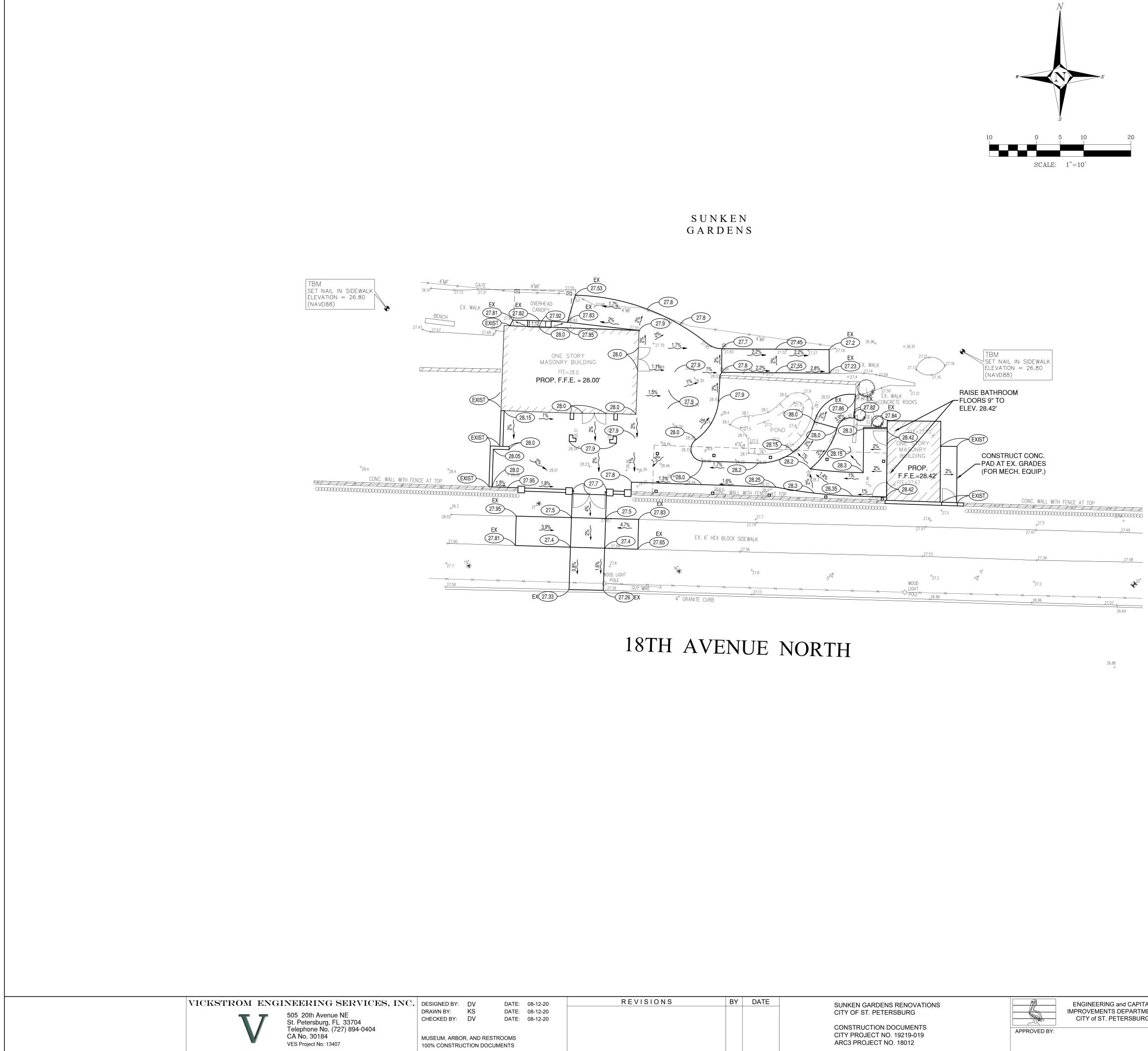
DENOTES PROPOSED CONCRETE WALKS/PATHS DENOTES PROPOSED/RE-LAID HEX BLOCK WALK

> Daniel M. Vickstrom, P.E. P.E. No. 46090 State of Florida Vickstrom Engineering CA No. 30184 DATE: August 12th, 2020 SCALE: 1" = 10' DRAWING No. C3

ENGINEERING and CAPITAL IMPROVEMENTS DEPARTMENT CITY of ST. PETERSBURG



SITE PLAN



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DATE:	08-12-20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS	M
DATE:	08-12-20				CITY OF ST. PETERSBURG	Ken.
DATE:	08-12-20					
					CONSTRUCTION DOCUMENTS	APPROVED BY:
STROOMS					CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012	
CUMENTS						

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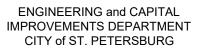
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GRADING LEGEND



INTENT FOR CONSTRUCTION ACTIVITY

EXISTING GROUND ELEVATION SHOT PROPOSED FLOW DIRECTION ARROW PROPOSED ELEVATION EXISTING ELEVATION



27.49

27.58

---- OHL-------______

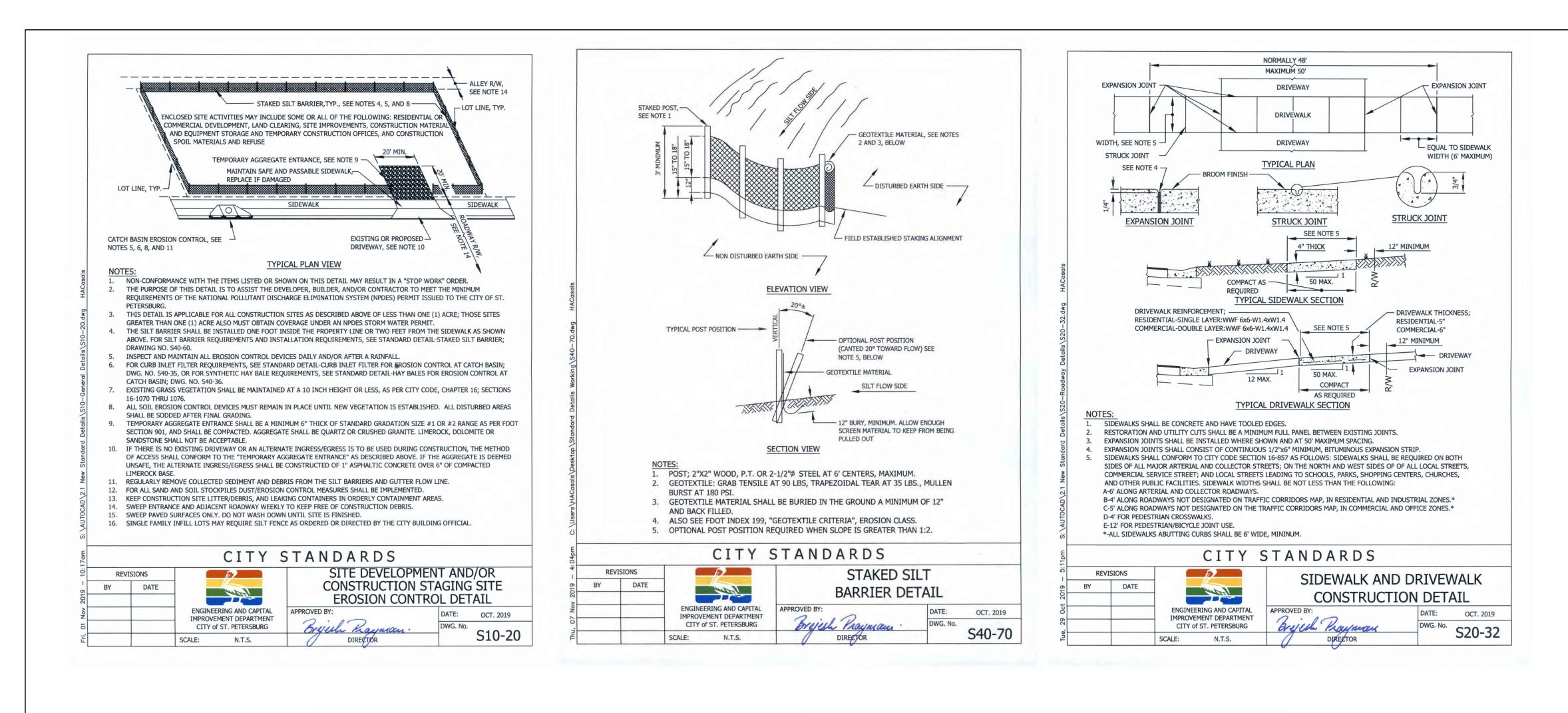
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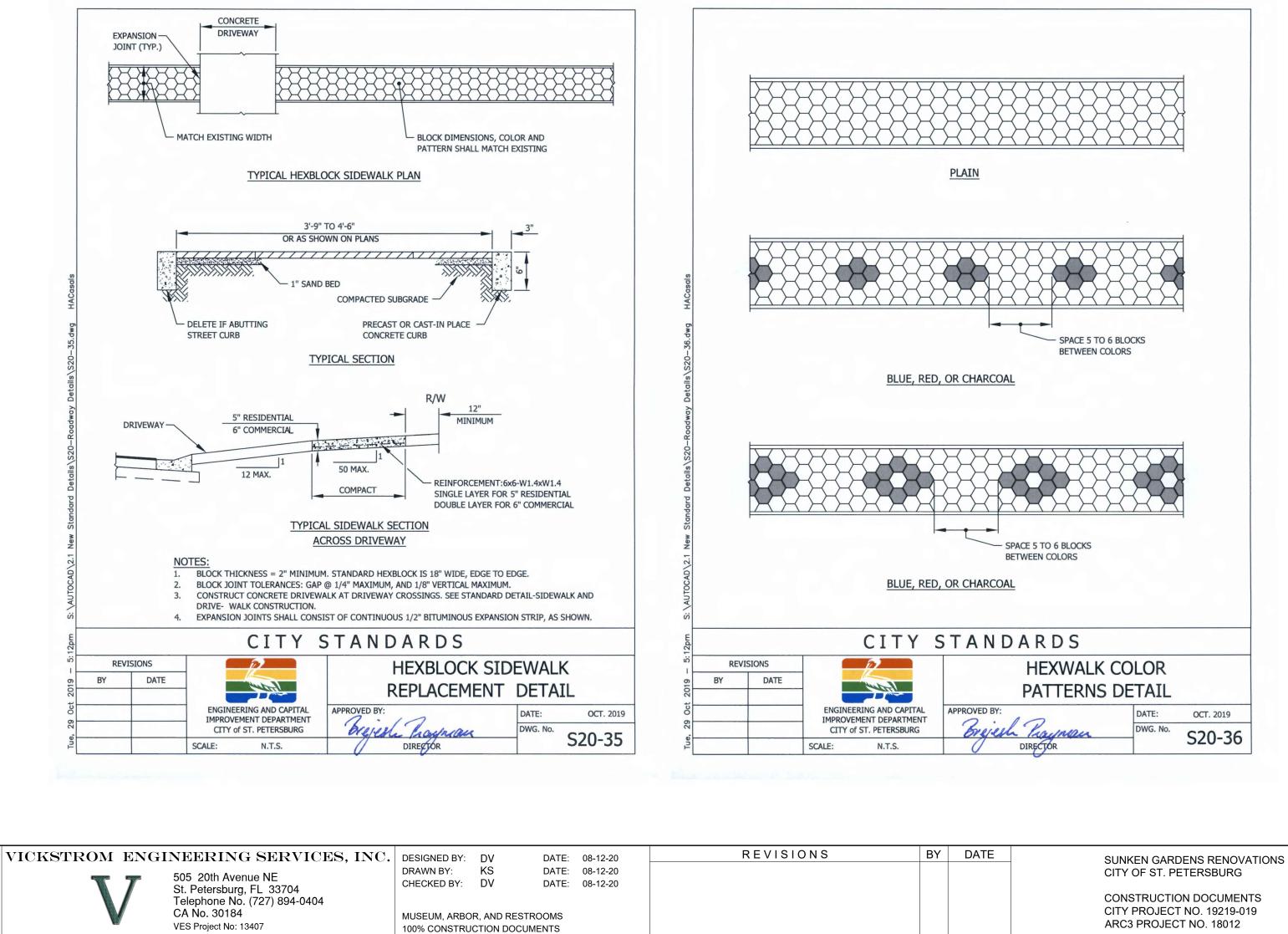
26.86 +



Daniel M. Vickstrom, P.E. P.E. No. 46090 State of Florida Vickstrom Engineering CA No. 30184 DATE: August 12th, 2020 SCALE: 1" = 10' DRAWING No. City Sheet # TBI C4

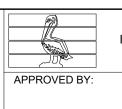
GRADING & DRAINAGE PLAN





jinal drawing is 24" x 36". Scale entities accordingly if reduced. All reproduction & intellectual property rights reserved ©20

DATE: 08-12	2-20	REVISIONS	BY	DATE	SUNKEN GARDENS RE
DATE: 08-12	2-20				CITY OF ST. PETERSB
DATE: 08-12	2-20				
					CONSTRUCTION DOCL
STROOMS					CITY PROJECT NO. 192
CUMENTS					ARC3 PROJECT NO. 18



LIGHT BROOM (SANDY) SURFACE TEXTURE - FIBERMESH REINFORCING SUBGRADE SHALL BE LBR 40 MINIMUM - COMPACTED TO 98% MINIMUM T-180

A-3 OR BETTER MATERIAL

NOTE:

1. CONTROL JOINTS EVERY 5 FEET OF SIDEWALK OR WALKWAY

2. EXPANSION JOINTS EVERY 20 FEET OF SIDEWALK OR WALKWAY.

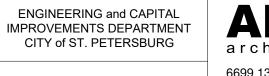
3. CONCRETE STRENGTH = 3000 PSI

TYPICAL CONCRETE SIDEWALK DETAIL

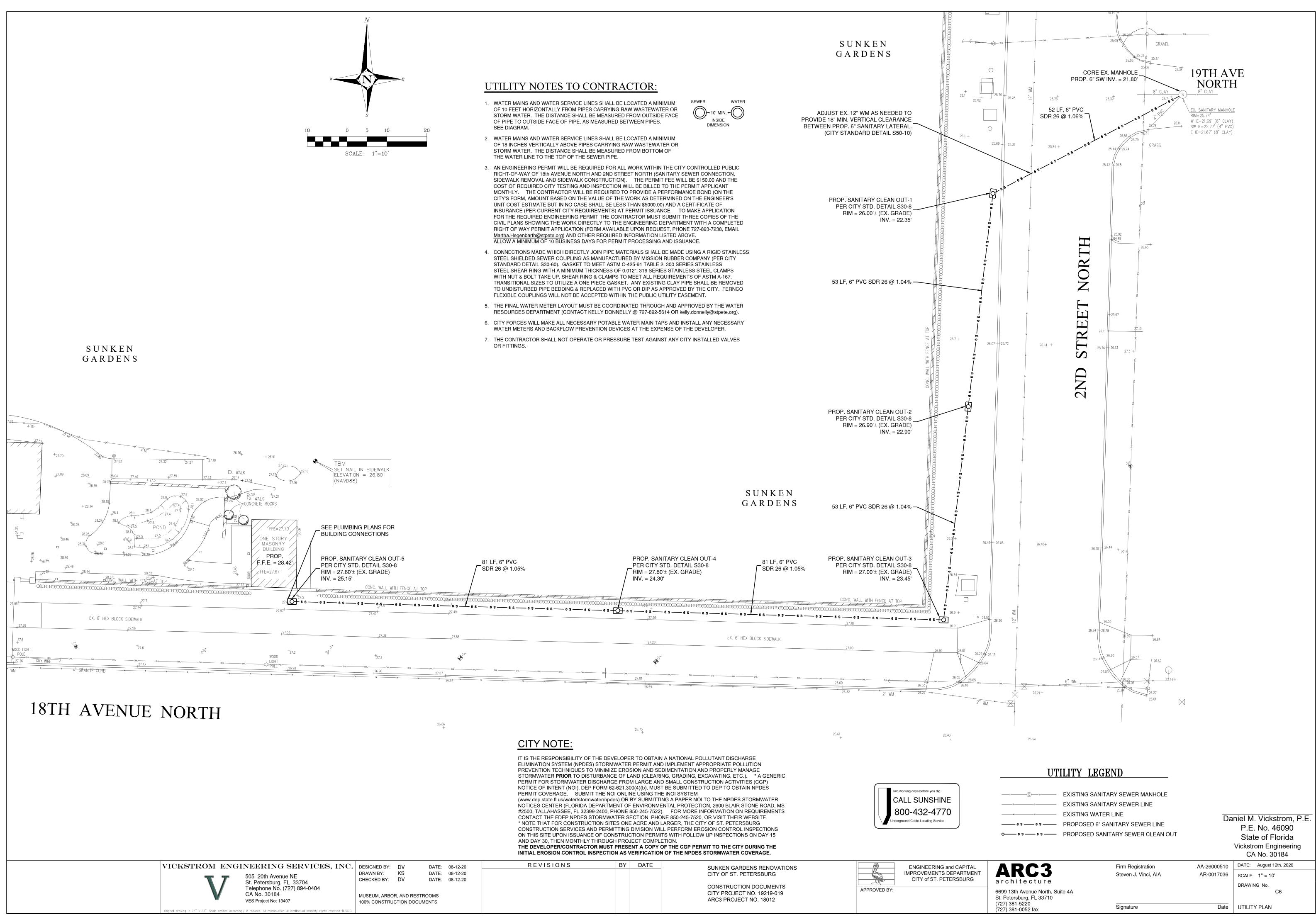
NOT TO SCALE

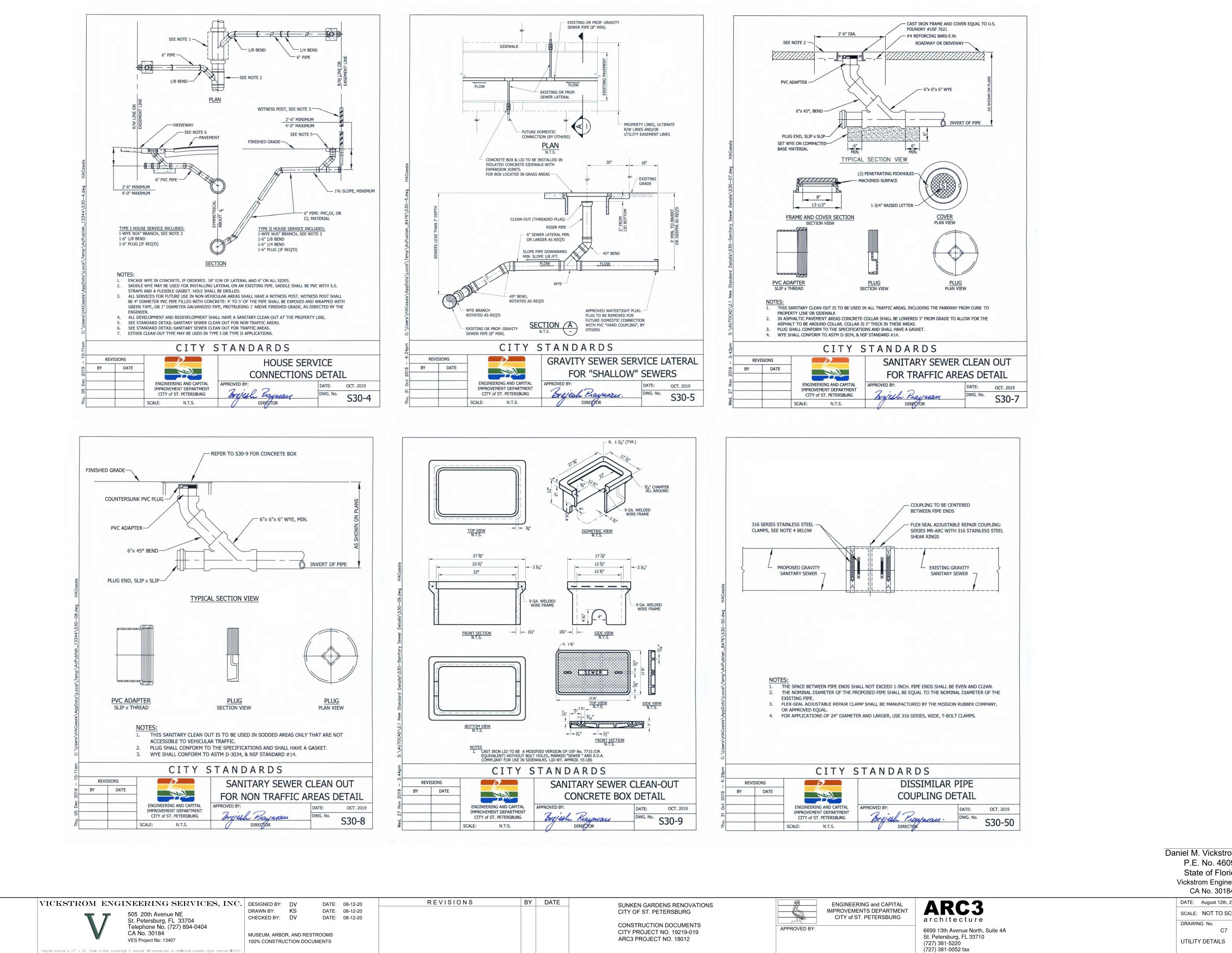
Daniel M. Vickstrom, P.E. P.E. No. 46090 State of Florida Vickstrom Engineering CA No. 30184 DATE: August 12th, 2020 SCALE: NOT TO SCALE DRAWING No. C5

CIVIL DETAILS









DATE:	08-12-20 08-12-20 08-12-20	REVISIONS	BY	DATE	SUNKEN GARDENS RENOVATIONS CITY OF ST. PETERSBURG	APPROVED BY:
TROOMS					CONSTRUCTION DOCUMENTS CITY PROJECT NO. 19219-019 ARC3 PROJECT NO. 18012	

Daniel M. Vickstrom, P.E. P.E. No. 46090 State of Florida Vickstrom Engineering CA No. 30184 DATE: August 12th, 2020 SCALE: NOT TO SCALE

Appendix B:

Public Comment

Laura Duvekot

From:	rlreed@tampabay.rr.com
Sent:	Monday, November 23, 2020 11:13 AM
То:	Laura Duvekot
Cc:	Lauren Kleinfeld; 'Emily Elwyn'
Subject:	Sunken Gardens COAs

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Laura,

As our meeting was cut a bit short, I have attempted a recap of the most important items that we discussed with a few added comments.

If there is no alternative to regrading, what is the best way to deal with the walkways and paving on the east, north and south sides of the building? Everyone agrees that we all want what is best for the Gardens, with a goal of maintaining the historic 'feel' and tropical lushness of the landscape. Would it be helpful to have another engineer take a look at the site? I have a friend who works for Karins Engineering (probably on City contractor list) who might be willing to offer a second opinion pro bono. (It would be helpful going forward if the city had an architect on their preferred list with experience in dealing with historic properties.)

Restore the existing metal windows. Everyone agrees that this would provide an educational opportunity as well as being the most historically appropriate treatment.

Address the 'faux history' concept which has gradually changed somewhat over the last few years. It is my understanding that work considered a repair should adhere to the original and not try to look completely different. (This would suggest that the crazy paving should be recreated as it exists and painted/stained in multi-colors, and should not be dyed with a single color.)

SGFF will invite you (or a preservation staff member) to give a special presentation on recognizing and maintaining the historic character of Sunken Gardens for the benefit of new and current board members. The idea is to nurture a culture of preservation and understanding of this unique Florida Roadside Attraction.

At some point in the not too distant future, you suggested addressing the walkways in general and their importance to the site, speaking to the necessity for maintenance and safety with keeping them colorful, and maintaining their winding character.

Thank you again for your time and thoughts; we know how busy you are!

Robin

Appendix C:

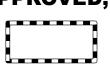
Maps of Subject Property



1951 4th St N

AREA TO BE APPROVED,

SHOWN IN



CASE NUMBER 20-90200120



