CITY OF SEMINOLE WATERFRONT PARK RESTROOM PROJECT 2020

Project Manual Bid Documents

March 2020

BID DOCUMENTS

FOR

City of Seminole

WATERFRONT PARK RESTROOM PROJECT

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City of Seminole 9199 113th Street North Seminole, FL 33772

INVITATION TO BID

BID TITLE: City of Seminole - Waterfront Park Restroom Project

Sealed bids must be received at City of Seminole, City Hall, Office of the City Clerk, 9199 113th Street North, Seminole, FL 33772 **by 11:00am on May 01, 2020.** Bids shall be publicly opened and read aloud at City of Seminole City Hall immediately after closing.

The scope of work will consist of one building containing a men's and women's restroom to include a maintenance and utility room, and approximately 300' of 4" thick 10' wide sidewalk. The work will consist of furnishing all labor and materials and performing all work set forth in the Bid Documents, which include but are not limited to the plans and specifications prepared by Sofarelli & Associates Architecture, and the City of Seminole Public Works Department.

Bid and contract documents, and building plans may be downloaded from the City website at www.myseminole.com after 12:00pm on March 27, 2020

THERE WILL BE A MANDATORY PRE-BID MEETING HELD ON FRIDAY, <u>APRIL 10</u>, <u>2020</u>, <u>AT 10:00AM</u> ON-SITE AT WATERFRONT PARK, LOCATED AT 10400 PARK BLVD.

Questions shall be submitted in writing via email to Director of Public Works, Rodney Due, at email rdue@myseminole.com. Submission of bid responses by mail, hand delivery or express mail must be in a sealed envelope/box with the Bidder's name and return address indicated.

The outside of the envelope/box used for the sealed bids shall be marked as follows:

"SEALED BID" "DO NOT OPEN"

"City of Seminole – Waterfront Park Restroom Project"

Contractors Name and Address

Address the bid submission envelope/box to the following:

City of Seminole Office of the City Clerk 9199 113th Street North Seminole, FL 33772

Bids shall be accepted no later than the time and date specified on the Invitation to Bid. All bids received after that time shall be rejected. Offers by telegram, telephone or transmitted by facsimile (FAX) machine will not be accepted. No bid may be withdrawn or modified after the time fixed or the opening of the bid. The City of Seminole reserves the right to reject any and all bids if it is deemed to be in the best interest of the City.

INSTRUCTIONS TO BIDDERS

The following instructions are given for the purpose of guiding Bidders in properly preparing their bids and constitute a part of the *Contract Documents* and shall be strictly complied with.

- 1. <u>Definitions and Terms</u>. See General Requirements.
- 2. <u>Copies of Bid Documents.</u> Complete sets of the Bid Documents are available online under Public Notices at https://www.myseminole.com or can be reviewed at the office of the Public Works Department, Administration Building, 11195 70th Avenue North, Seminole, FL 33772.

Complete sets of *Bid Documents* shall be used in preparing Bids; neither the City nor the Engineer assumes any responsibility for errors or misrepresentations resulting from the use of incomplete sets of *Bid Documents*.

City and Engineer in making copies of *Bid Documents* available on the above terms do so only for the purpose of obtaining Bids on the Work and do not confer a license or grant for any other use.

The documents contained in and referenced by the Project Manual and Bid Documents constitute the Contract Documents for this project. By submitting a bid, the Bidder certifies and represents that the Bidder has been furnished with all the Contract Documents, is familiar with them, and intends to be bound by them.

3. Qualification of Bidders:

- 3.1 To demonstrate qualifications to perform the Work, each Bidder must submit at the time of the Bid opening, a **written Statement of Qualifications** including financial data, a summary of previous experience, previous commitments and evidence of authority to conduct business in the jurisdiction where the Project is located. Each Bid must contain evidence of Bidder's qualification to do business in the state where the Project is located or covenant to obtain such
- qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the contract. <u>The Statement of Qualifications shall be prepared</u> on the form provided by the City and included with the Bid Forms.
 - 3.2. In determining whether a bidder is responsible, the following shall be considered: (1) The ability, capacity and skill of the bidder to perform the contract or provide the services required, (2) whether the bidder can perform the contract or provide the service promptly and within the time specified without delay or interference, (3) the character, integrity, reputation, judgment, experience and efficiency of the bidder, (4) the quality of the bidder's performance of previous contracts or services, (5) the previous and existing compliance by the bidder with laws and ordinances relating to the contract or service, (6) the sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service, (7) the quality, availability and adaptability of the materials, equipment and services to the particular use required, (8) the ability of the bidder to provide future maintenance and service for the use of the subject of the contract, and (9) any other circumstances which will affect the bidder's performance of the contract.

- 3.3. Each Bidder is required to show that he has handled former Work and that no just claims are pending against such Work. No Bid will be accepted from a Bidder who is engaged on any other Work which would impair his ability to perform or finance this Work.
- 3.4 No Bidder shall be in default on the performance of any other contract with the City or in the payment of any taxes, licenses or other monies due to the City.
- 4. <u>Liquidated Damages for Failure to Enter into Contract</u>. Should the Successful Bidder fail or refuse to enter into the Contract within ten (10) Calendar Days from the issuance of the Notice of Award, the City shall be entitled to collect the amount of such Bidder's Bid Guaranty as Liquidated Damages, not as penalty but in consideration of the mutual release by the City and the Successful Bidder of all claims arising from the City 's issuance of the Notice of Award and the Successful Bidder's failure to enter into the Contract and the costs to award the Contract to any other Bidder, to re-advertise, or otherwise dispose of the Work as the City may determine best serves its interest.
- 5. <u>Project Coordination & Time of Completion</u>. Time is of the essence with respect to the time of completion of the Project and any other milestones or deadline which are part of the Contract. It will be necessary for each Bidder to satisfy the City of its ability to complete the Work within the Contract Time set forth in the Contract Documents.
- 6. <u>Examination of Contract Documents and Site</u>. Before submitting a Bid, each Bidder shall:
 - a. Examine the Contract Documents thoroughly;
 - b. Visit the site to familiarize with local conditions that may in any manner affect the cost, progress, or performance of the Work;
 - c. Become familiar with Federal, State, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress or performance of the Work:
 - d. Study and carefully correlate Bidder's observations with the *Contract Documents*, And:
 - e. Notify the City of all conflicts, errors, ambiguities or discrepancies in or among the *Contract Documents*

On request, the City will provide each Bidder access to the site to conduct such investigations and tests as each Bidder deems necessary for submission of a Bid. It shall be the Bidder's responsibility to make or obtain any additional examinations, investigations, explorations, tests and studies and obtain any additional information and data which pertain to the physical conditions (including without limitation, surface, subsurface and underground utilities) at or contiguous to the site or otherwise which may affect cost, progress or performance of the work in accordance with the time, price and other terms and conditions of the Contract Documents. Location of any excavation or boring made by Bidder shall be subject to prior approval of the City and applicable agencies. Bidders shall fill all holes, restore all pavements to match the existing

structural section and shall clean up and restore the site to its former condition upon completion of such exploration.

The lands upon which the Work is to be performed, rights-of-way, and access thereto, and other lands designated for use by Contractor in performing the Work, are identified on the Drawings.

Information and data reflected in the *Contract Documents* with respect to underground utilities at or contiguous to the site are based upon information and data furnished to the City and the Engineer by the owners of such underground utilities, or others, and neither the City nor the Engineer assume responsibility for the accuracy or completeness thereof. It shall be the Contractor's responsibility to locate all underground utilities.

By submission of a Bid, the Bidder shall be exclusively presumed to represent that the Bidder has complied with every requirement of these Instructions to Bidders, that the Contract Documents are not ambiguous and are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.

7. <u>Interpretations</u>. All questions about the meaning or intent of the *Contract Documents* shall be submitted to the City in writing.

Written comments or questions must be received by the City at least forty-eight (48) hours (excluding Saturdays, Sundays, and Holidays) prior to the time set for the Bid Opening.

If questions received by the City are deemed to be sufficiently significant and received sufficiently in advance of the Bid Opening, an Addendum to the *Bid Documents* may be issued. Otherwise, a written copy of the question and decision or interpretation will be posted in the City Public Works office. It shall be the responsibility of each Bidder to make itself aware of all such posted questions and decisions or interpretations and, by submitting a Bid, each Bidder shall conclusively be deemed to have such knowledge. After Bid Opening, all Bidders must abide by the decision of the City as to all such decisions or interpretations. Bidders may not rely upon oral interpretations of the meaning of the plans, specifications or other bid documents and any oral or other interpretations or clarifications will be without legal force or effect.

- 8. Quantities of Work. Materials or quantities stated as unit price items in the Bid are supplied only to give an indication of the general scope of the Work. The City does not expressly or by implication agree that the actual amount of Work or material will correspond therewith, and reserves the right after award to increase or decrease the quantity of any unit item of the Work without a change in the unit price. The City also reserves the right to make changes in the Work (including the right to delete any bid item in its entirety or add additional bid items).
- 9. <u>Substitutions</u>. The materials, products and equipment described in the *Bid Documents* shall be regarded as establishing a standard of required performance, function, dimension, appearance, or quality to be met by any proposed substitution. No substitution will be considered prior to receipt of Bids, unless the Bidder submits a written request for

approval to the City at least ten (10) days prior to the date for receipt of Bids. Such requests for approval shall include the name of the material or equipment for which substitution is sought and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for evaluation, including samples if requested. The Bidder shall set forth changes in other materials, equipment, or other portions of the Work including changes of the work of other contracts, which incorporation of the proposed substitution would require to be included. The Engineer's decision of approval or disapproval of a proposed substitution shall be final.

If the Engineer approves a proposed substitution before receipt of Bids, such approval will be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner.

10. <u>Bid Guaranty</u>. Each Bid shall as a guaranty of good faith on the part of the Bidder be accompanied by a Bid Guaranty consisting of: a certified check or cashier's check made payable without condition to the City; or a Bid Bond in the form set forth in the Bid Documents executed by an approved corporate surety in the favor of the City. The amount of the Bid Guaranty shall not be less than 5% of the total Bid amount.

Once the City issues a Notice of Award, the apparent Successful Bidder has ten (10) Calendar Days to enter into a Contract in the form prescribed and to furnish the required Performance and Payment Bonds. Failure to do so will result in forfeiture of the Bid Guaranty to the City as Liquidated Damages.

Bid Guaranties for all except the three lowest qualified Bids shall be returned within five (5) Working Days of Bid Opening. When the Successful Bidder files satisfactory Performance and Payment Bonds and Certificates of Insurance, the Bid Guaranties of the lowest Bidders shall be returned.

Each bidder shall guaranty its total bid price for a period of sixty-five (65) Calendar Days from the date of the Bid Opening. Except for forfeiture due to reasons discussed above, Bid Guaranties of all Bidders shall be returned to them within sixty-five (65) Calendar Days from the date of Bid Opening.

11. <u>Bid Form.</u> The Bid Form, provided by the City, must be completed in ink or typed. The Bidder shall specify a unit price in figures for each pay item for which a quantity is given and shall provide the products (in numbers) of the respective unit prices and quantities in the Extended Amount column. The total Bid price shall be equal to the sum of all extended amount prices. When an item in the Bid Schedule provides a choice to be made by the Bidder, Bidder's choice shall be indicated in accordance with the specifications for that particular item and thereafter no further choice shall be permitted.

Where the unit of a pay item is lump sum, the lump sum amount shall be shown in the "extended amount" column and included in the summation of the total Bid. All

blank spaces in the Bid Form must be properly filled out.

Bids by corporations must be executed in the corporate name by the president or vice president or other corporate office accompanied by evidence of authority to sign. The corporate seal must be affixed and attested by the secretary or an assistant secretary.

The corporate address and state of incorporation shall be shown below the signature.

Bids by partnerships must be executed in the partnership name and signed by a partner whose title must appear under the signature and the official address of the partnership must be shown below the signature.

All names must be typed or printed below the signature line.

The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.

The address to which communications regarding the Bid are to be directed must be shown.

- 12. <u>Irregular Bids</u>. A Bid will be considered irregular and may be rejected for the following reasons:
 - a. Submission of the Bid on forms other than those supplied by the City;
 - b. Alteration, interlineations, erasure, or partial detachment of any part of the forms which are supplied herein;
 - Inclusion of unauthorized additions conditional or alternate Bids or irregularities of any kind which may tend to make the Bid incomplete, indefinite, or ambiguous as to its meaning;
 - d. Failure to acknowledge receipt of any or all issued Addenda;
 - e. Failure to provide a unit price or a lump sum price, as appropriate, for each pay item listed except in the case of authorized alternative pay items;
 - f. Failure to list the names of Subcontractors used in the Bid preparation as required in the Bid Form:
 - g. Submission of a Bid that in the opinion of the City Manager is unbalanced so that each item does not reasonably carry its own proportion cost or which contains inadequate or unreasonable prices for any item;
 - h. Tying of the Bid with any other bid or contract; and
 - i. Failure to calculate Bid prices as described herein.
- 13. <u>Submission of Bids</u>. The completed Bid Form and Bid Guaranty shall be submitted at the time and place indicated in the Invitation to Bid and must be in a ten-inch by thirteen- inch opaque sealed envelope marked SEALED BID with the project title and the name and address of the Bidder.
- 14. <u>Modification and Withdrawal of Bids before Opening</u>. Bids may be modified or withdrawn by an appropriate document duly executed and delivered to the place where Bids are to be submitted at any time prior to Bid Opening.

- 15. Opening of Bids. Bids will be opened and read aloud at the time and place stated in the Invitation to Bid. All Bidders, their representatives, and other interested parties are encouraged to attend the Bid Opening.
 - Within five (5) Working Days after Bid Opening, all Bids will be tabulated and the bid tabulation sheets will be available to the public.
- 16. <u>Disqualification of Bidders</u>. A Bid will not be accepted from, nor shall a Contract be awarded to, any person, firm, or corporation that is in arrears to the City, upon debt or contract, or that has defaulted, as surety or otherwise, upon any obligation to the City, or that is deemed irresponsible or unreliable.

Bidders may be required to submit satisfactory evidence that they are responsible, have a practical knowledge of the project bid upon and that they have the necessary financial and other resources to complete the proposed Work.

Either of the following reasons, without limitation, shall be considered sufficient to disqualify a Bidder and Bid:

- a. More than one Bid is submitted for the same Work from and individual, firm, or corporation under the same or different name; and
- b. Evidence of collusion among Bidders. Any participant in such collusion shall not receive recognition as a Bidder for any future work of the City until such participant has been reinstated as a qualified bidder.
- 17. <u>Withdrawal of Bids after Opening.</u> No Bid may be withdrawn by any bidder for sixty-five (65) Calendar Days after Bid Opening.
- 18. Evaluation of Bids and Bidders. The City reserves the right to:
 - reject any and all Bids;
 - accept a Bid other than the low Bid;
 - waive any informalities;
 - negotiate final terms with the Successful Bidder; and
 - disregard all nonconforming, nonresponsive or conditional Bids.

Discrepancies between words and figures will be resolved in favor of words. Discrepancies between Unit Prices and Extended Prices will be resolved in favor of the Unit Prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. The corrected extensions and totals will be shown in the tabulation of Bids.

The City may consider the qualifications and experience of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the work as to which the identity of Subcontractors and other persons and organizations must be submitted. Operating costs, maintenance considerations, performance data, and guarantees of materials and equipment may also be considered by the City.

The City will conduct such investigations as deemed necessary to assist in the evaluation of any bid and to establish the responsibility, qualifications and financial ability of the Bidders, proposed Subcontractors and other persons and organizations to do the Work in accordance with the Contract Documents to the City's satisfaction within the Contract Time.

The Bidder shall furnish the City all information and data requested by the City to determine the ability of the Bidder to perform the Work. The City reserves the right to reject the Bid if the evidence submitted by, or investigation of such Bidder fails to satisfy the City that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the Work contemplated therein.

By submitting a Bid, each Bidder authorizes the City to perform such investigation of the Bidder as the City deems necessary to establish the responsibility, qualifications and financial ability of the Bidder and, by its signature thereon, authorizes the City to obtain reference information concerning the Bidder and releases the party providing such information and the City from and all liability to the Bidder as a result of such reference information so provided. The City reserves the right to reject the Bid of any Bidder who does not pass any evaluation to the City's satisfaction.

If the Contract is to be awarded, it will be awarded to the Bidder who, by evaluation, the City determines will best meet the City's interests.

The City reserves the right to accept or reject the Work contained in any of the Bid Schedules or alternates, either in whole or in part.

19. Award of Contract. Unless otherwise indicated, a single award will be made for all the bid items in an individual bid schedule. In the event that the Work is contained in more than one Bid Schedule, the City may award Schedules individually or in combination. In the case of two Bid Schedules which are alternative to each other, only one of such alternative Schedules will be awarded. Within forty-five (45) Calendar Days of Bid Opening, the City will issue a Notice of Award to the Successful Bidder which will be accompanied by three (3) unsigned copies of the Contract and the Performance and Payment Bond forms.

Within ten (10) Calendar Days thereafter, the Successful Bidder shall sign and deliver two (2)

copies of the Contract, Performance Bond, Payment Bond and Certificates to Insurance to the City. Within ten (10) Calendar Days thereafter, the City will deliver the Notice to Proceed. No contract shall exist between the Successful Bidder and the City and the Successful Bidder shall have no rights at law or in equity until the Contract has been duly executed by the City.

The Successful Bidder's failure to sign and submit a Contract and other documents set forth in this Paragraph, in the Special Conditions and/or in the Special Provisions within the prescribed time shall be just cause of annulment of the award, and the forfeiture of the Bid Guaranty. The award of Contract may then be made to the next qualified Bidder in the same manner as previously prescribed.

- 20. <u>Insurance</u>. The Contractor shall secure and maintain such insurance policies as will provide the coverage and contain other provisions specified in the Contract Documents.
 - The Contractor shall file two (2) copies of the policies or Certificates of Insurance acceptable to the City with the Public Works Director within (10) Calendar Days after Issuance of the Notice of Award. These Certificates of Insurance shall contain a provision that coverage afforded under the policies shall not be canceled unless at least thirty (30) Calendar Days prior written notice has been given to the City.
- 21. <u>Sales and Use Taxes</u>. The Contractor and all Subcontractors are required to obtain exemption certificates from the Florida Department of Revenue for sales and use taxes in accordance with the provisions of the General Contract Conditions. Bids shall reflect this method of accounting for sales and use taxes on materials, fixtures and equipment.
- 22. <u>Affirmative Action</u>. In executing a Contract with the City, the Contractor agrees to comply with Affirmative Action and Equal Employment Opportunity regulations presented in the General Conditions.
- 23. <u>Pre-Construction and Public Meetings.</u> Prior to the commencement of construction activities, a preconstruction meeting will be held which shall include the Contractor, representatives of the City and others affected by or involved in the project. Attendance by Contractor selected for the project is mandatory.
- 24. <u>Pre-Bid Meeting.</u> See the Special Conditions for details of the pre-bid meeting.
- 25. <u>Collusive Agreement.</u> Each bidder submitting a Bid to the City for any of the work contemplated by the documents on which bidding is based by execution of the Bid Form shall be certifying by execution thereof that he/she has not entered into a collusive agreement with any other person, firm, or corporation in regard to any Bid submitted. Before executing any subcontract, the successful Bidder shall submit the name of any proposed subcontractor for prior approval and a non-collusion statement substantially in the form provided or requested by the City.
- 26. <u>Illegal Alien Employment Compliance.</u> The selected Contractor will be required to execute an Illegal Alien Employment Compliance statement along with the Contract as contained in these Bid Documents.

CITY OF SEMINOLE

Bid Form

WATERFRONT PARK RESTROOM PROJECT 2020

To: City of Seminole
Department of Public Works
9199 113th Street North
Seminole, FL 33772

The undersigned Bidder, having thoroughly examined the Specifications, and other Bid Documents; having investigated the location of, and conditions affecting the proposed Work; and being acquainted with and fully understanding the extent and character of the Work covered by this Bid; and all other factors and conditions affecting, or which may be affected by the Work.

HEREBY PROPOSES and agrees, if this Bid is accepted, to enter into a Contract with the City on the form included in the *Contract Documents* and to furnish all required materials, tools, equipment, and plant; to perform all necessary labor and superintendence; and to undertake and complete the Work or approved portions thereof, in full accordance with and in conformity with the Construction Drawings, Specifications, and all other Contract Documents hereto attached or by reference made a part hereof, and for the following prices as shown on the Bid Schedule

The undersigned Bidder hereby agrees to execute the Contract in conformity with this Bid, to have ready and furnish the require Performance and Payment Bonds, executed by a Surety acceptable to the City and provide Certificates of Insurance evidencing the coverage and provisions set forth in the Contract within ten (10) Calendar Days of the City's issuance of a Notice of Award.

Enclosed herewith is a Bid Guaranty as defined in the attached Instructions to Bidders in the
amount ofwhich Bio
Guaranty the undersigned Bidder agrees to be paid to and become the property of the City, as
Liquidated Damages and not as penalty should the Bid be accepted, the Contract Notice of
Award issued, and should the Bidder fail or refuse for any reason to enter into the Contract in
the form prescribed. The Bidder shall furnish all required Bonds and Insurance Certificates
within ten (10) Calendar Days of issuance of the Notice of Award.

	Name:	-
	Address:	-
		-
	Name:	
	Address:	
	are no such persons, firms or corporations, please so	
Date: _		

The Following persons, firms or corporations are interested as joint ventures, partners or otherwise with the undersigned Bidder in this proposal:

Name and address of Sub-Contractor	Description of work to be performed	 %of Contract

The undersigned Bidder proposes to subcontract the following portion of Work:

The undersigned Bidder acknowledges responsibility for ensuring any and all Subcontractors conform and comply with all terms and conditions of the Contract Documents.

The undersigned Bidder acknowledges the right of the City to reject any and all Bids submitted, accept a Bid other than the lowest, and to waive informalities and irregularities therein in the City's sole discretion.

By submission of the Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to his own organization, that this Bid has been arrived at independently, without collusion, consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.

The Work shall be completed within the Contract Time as Specified in the Special Conditions.

Bidder hereby acknowledges receipt of Addenda Numbers:

By submission of a Bid, the Bidder shall be conclusively presumed to represent that the Bidder has complied with every requirement of the "Instructions to Bidders".

Bidder, by his signature hereon, hereby authorizes the obtaining of reference information containing the Bidder's qualifications, experience and general ability to perform the work and hereby releases the party providing such information and the City from any and all liability to Bidder as the result of such reference information being provided. Bidder further waives any right to receive copies of information so provided to the City.

Bidder agrees to perform all Work described in the Contract Documents for the unit prices or the lump sum as shown on the Bid Form, and acknowledges that the quantities shown on the Bid Schedule are approximate only and are intended principally to serve as guides for the purpose of comparing and evaluating Bids. It is further agreed that any quantities of work to be performed at unit prices and material to be furnished may be increased or decreased as may be considered necessary in the opinion of the City, to complete the Work fully as planned and contemplated, and that all quantities of Work, whether increased or decreased, are to be performed at the unit prices set forth in the Bid, except as otherwise provided for in the Contract Documents.

By submitting a Bid, the Bidder acknowledges that the bid process is solely intended to serve the public interest in achieving the highest quality of services and goods at the lowest price, and that no right, interest or expectation shall inure to the benefit of the Bidder as the result of any reliance or participation in the process.

The undersigned Bidder further grants to the City the right to award this Contract on the basis of any possible combination of base bids and alternate(s) (if any) that best suits the City's needs.

Dated this	day of	, 2020
Bidder:		
Name printed:		
If a corporation:		
State of	incorporation:	
Attest:		

(Seal)

BID BOND

KNOW ALL MEN BY THESE PRESENTS.

that we,		(an individual,
a partnership,	_a corporation Incorporated in the State of	of)
as Principal, and		(incorporated
in the State of) as Surety, are held an	d firmly bound unto the
City of Seminole, Florida (here	einafter called "City") in the penal sum of _	
	Dollars (\$), I t of which sum we bind ourselves, our held assigns, jointly and severally, firmly by	irs, executors,
THE CONDITION OF THIS OF	BLIGATION IS SUCH, that WHEREAS th	e Principal has
submitted the accompanying E	Bid dated	for
Construction of the WATERFF	RONT PARK RESTROOM PROJECT 20)20 (the
Project) for the City and;		

WHEREAS, the City has required as a condition for receiving said Bid that the Principal deposit with the City either a cashier's check, a certified check, or a letter of credit equivalent to not less than five percent (5%) of the amount of said Bid or in lieu thereof furnish a Bid Bond for said amount conditioned that in event of a failure to execute the proposed Contract for such construction and to provide the required Performance and Payment Bonds and Insurance Certificates if the Contract be awarded to the Bidder, that said sum be paid immediately to the City as Liquidated Damages and not as penalty for the Principal's failure to perform.

NOW THEREFORE, if the principal shall, within the period specified therefore, on the attached prescribed forms presented to the Bidder for signature, enter into a written Contract with the City in accordance with said Bid as accepted, and give Performance and Payment Bonds with good and sufficient Surety, or Sureties, as may be required upon the forms prescribed by the City, for the faithful performance and the proper fulfillment of said Contract, provide Certificates of Insurance as required by said Contract, and provide all other information and documentation required by the. Contract Documents, then this obligation shall be void and of no effect, otherwise to remain in full force and effect. In the event suit is brought upon this bond by the City and the City prevails, the principal and Surety shall pay all costs incurred by the City in such suit, including reasonable attorney's fees and costs to be fixed by the Court.

IN WITNESS WHEREOF, the above bound parties have executed this instrument under their several seals the name and corporate seal of each corporate party being hereto affixed and duly signed by its undersigned representative pursuant to authority of its governing board.

Dated this	day of	, 2020.
Principal:		
Address:		
Signed:		
		(-)
Surety:		
Signed:		
Title:		(Seal)

INSTRUCTIONS FOR COMPLETING BID BOND

- 1. The full legal name and residence of each individual executing this Bond as Principal must be inserted in the first paragraph.
- 2. If the Principal is a partnership, the full name of the partnership and all individuals must be inserted in the first paragraph which must recite that individuals are partners composing the partnership, and all partners must execute the Bond as individuals.
- 3. The State of incorporation of each corporate Principal or Surety to the Bond must be inserted in the first paragraph and the Bond must be executed under the corporate seal of said party attested by its secretary or other appropriate officer.
- 4. Attach a copy of the power of attorney for the Surety's agent.

END OF BID BOND

Bid Schedule

Waterfront Park Restroom Project 2020

This is a LUMP SUM BID. The following Bid Schedule is intended as a general recap of the work involved, it is NOT an all-inclusive detail of everything required to do this job. It is the contractor's responsibility to carefully review the plans, specifications, and project to determine what is needed to do the whole job, and to reflect this in his LUMP SUM BID. This basis of award will be the total base bid for the project. IF DURING THE BID PROCESS, THE CONTRACTOR NOTICES A DISCREPANCY BETWEEN THE WORK REQUIRED AND THIS BID SCHEDULE HE MUST BRING IT TO THE ENGINEER'S ATTENTION BEFORE THE BID DATE

BASE BID

Item#	Estimated Quantity	Unit	Description	Total
1	1	LS	Mobilization and demobilization. This bid item can include costs for bonds, insurance, and permits (permit fees will be waived).	
2	1	LS	Restroom construction – complete and finished including utility connections (water, sewer, electric) and site grading.	
4	1		Sidewalk construction – to include site grubbing, and grading	

Total Base Bid: \$		
	(Written)	
Submitted by:		
	Company	
	Authorized Personnel	
	Signature/date	

STATEMENT OF BIDDER'S QUALIFICATIONS

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information he desires.

	Permanent main office address:
١	When organized:
	If a corporation, where incorporated:
	How many years have you been engaged in the contracting business under your present firm or trade name?
;	Contracts on hand: (Schedule these, showing the amount of each contract and the appropriate anticipated dates of completion.) List the location and type of construction, Owner and Engineer for each project with contact persons and phone numbers for the Owner and Engineer of each project:
_	
_	
_	
-	
-	

Gene	eral character of Work performed by your company:
Have	you ever failed to complete any Work awarded to you?
If so,	where and why?
Have	you ever defaulted on a contract?
If so,	where and why?
Have	you ever had any projects terminated by the City?
If so,	where and why?
const	eximate cost of each, the month and year completed, location and type of ruction, Owner and Engineer for each project with the telephone number e each may be contacted. Do not list projects that are listed under item 6.

	our major equipment available for this contract:
project.	Ince in construction Work similar in scope to this If completed in the last 5 years, please provide the same information, contacts) as requested for item 11 above:
	ound and experience of the principal members of your organization, g officers:

	Credit available: \$
	Bank reference:
	Will you, upon request, fill out a detailed financial statement and furnish any other information that may be required by the City?
	Are you licensed as an Excavator, General Contractor, or under any other title?
	If yes, in what city, county and state?
	What class, license and numbers?
	Do you anticipate subcontracting Work under this Contract? If yes, what percent of
	total contract price?
	List type of work to be subcontracted (list subcontractors I suppliers on a separate sheet
	and attach it to this form):
	Are you involved in any lawsuits and for are any lawsuits pending against you or your firm at this time?
	If yes, DETAIL:
	What are the limits of your public liability? DETAIL:
	What company?
	What are your company's bonding limitations?
	Name of proposed Superintendent for this project. Said person shall be required on the project unless agreed upon otherwise in writing by the City:

24.	furnish any infor this Statement of will not bring sui in good faith by	mation requested by If Bidder's Qualification In a court of law for	the City in verific ons. The undersi any information	person, firm or corporation of the recital co gned further agrees that is furnished to the City's requests for in	mprising nat they e OWNER
	Dated this	day of	, 2020		
	Name of Bidder				
	Ву:				
	Title:				
State	of				
Count	ty of				,
(Nam	e of organization)			ns and all statements	
	cribed and sworn		day of	, 2020.	
	Notary Public				
Му сс	mmission expires	3			

VENDOR SWORN STATEMENT ON PUBLIC ENTITY CRIMES FLORIDA STATUTES, SECTION 287.133(3) (a)

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1.	This sworn statement is submitted to
	(print name of public entity)
	by
	(print individual's name and title)
	for
	(print name of entity submitting sworn statement)
	whose business address is
	and (if applicable) its Federal Employer Identification Number (FEIN) is
	(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn
	statement:
	<u> </u>

- 2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
- 3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1) (b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
- 4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 - 1. A predecessor or successor of a person convicted of a public entity crime; or
 - 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1) (a), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity. 6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Indicate which statement applies.) Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order.) I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECITON 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM. (Signature) Sworn to and subscribed before me this day of , 2020. Personally known or produced identification (Type of identification) State of Florida City of My commission expires (Notary Public)

CONSTRUCTION AGREEMENT

THIS CONSTRUCTION AGREEMENT is made this	day of May, 2020 by and
between	(hereinafter referred to as
"Contractor"), and the City of Seminole, Florida, a Florida mun	icipal corporation (hereinafter the
"City").	

WITNESSETH:

WHEREAS, the City desires that Contractor perform the duties of general contractor for the construction of certain improvements, namely the <u>Waterfront Park Restroom Project 2020</u> (hereinafter the "Project"); and

WHEREAS, Contractor desires to perform such duties pursuant to the terms and conditions provided for in this Agreement; and

WHEREAS, the parties hereto desire to set forth certain understandings regarding the Project in writing.

NOW, THEREFORE, for and in consideration of the mutual promises and covenants contained herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

- 1. <u>Statement of Work.</u> Contractor agrees to manage and supervise the construction of the project located in the City of Seminole, Pinellas County, Florida, as directed by the City and pursuant to the City of Seminole Design Standards and according to the plans and specifications approved by the City. Contractor shall (a) furnish all tools, equipment, supplies, superintendence, transportation and other construction accessories, services and facilities; (b) furnish all materials, supplies, and equipment specified to be incorporated into and form a permanent part of the complete work; (c) provide and perform all necessary labor in a substantial and skillful manner and in accordance with the provisions of this Agreement; and (d) execute, construct and complete all work included in and covered by this Agreement.
- 2. <u>Time of Commencement and Completion</u>. Construction under this Agreement will begin on or after <u>May 25, 2020</u> and shall be completed by <u>November 20, 2020</u> ("Completion Date"). The Completion Date may, at the City's sole discretion, be extended if approved by the City in writing, but in no event may the Completion Date extend beyond <u>December 31, 2020</u>. If, due to misconduct or neglect, Contractor fails to complete the Project on or before the Completion Date, the City may deduct <u>liquidated damages in the amount of \$500 the first day and \$250.00</u> <u>for each additional day</u> the Contractor works beyond this date. Such liquidated damages shall be deemed to be a genuine pre-estimate of the foreseeable damages incurred by City and in no way can be construed as a penalty. It is understood by Contractor and the City that actual damages caused by Contractor's failure to complete this Agreement on time are impracticable or extremely difficult to fix, and that the per diem deduction from the contract price will be retained by the City as payment by Contractor of liquidated damages, and not as a penalty.

- 3. Compensation. City shall pay and Contractor shall receive the contract price of as stipulated in the Notice of Award, attached to this contract as **Exhibit A** and incorporated herein by this reference, as FULL compensation for everything furnished and done by Contractor under this Agreement, including all loss or damage arising out of the work or from the action of the elements; for any unforeseen obstruction or difficulty encountered in the prosecution of the work, including increased prices for or shortages of materials for any reason, including natural disasters; for all risks of every description associated with the work; for all expenses incurred due to the suspension or discontinuation of the work; and for well and faithfully completing the work as provided in this Agreement.
- 4. <u>Draw Requests</u>. Contractor agrees to perform all work on the Project according to the schedules set forth in the approved Bid Proposal attached hereto as **Exhibit B** (as amended) and incorporated herein by this reference. Contractor shall submit weekly progress reports to the Public Works Director or his designee showing actual costs incurred and work completed. Contractor shall also submit to the City monthly draw requests for all authorized costs incurred up to that date for the Project, if the time for the work exceeds one month. Upon review and approval of the progress reports and draw request(s) by the Public Works Director or his designee, the City agrees to pay Contractor the amounts shown on all draw requests, minus a ten percent (10%) retainage for any payments other than the final payment, no later than the fifteenth (15th) business day following the date the draw request was submitted. Payments may be withheld if:
 - A. Work is found defective and not remedied;
 - B. Contractor fails to meet schedules shown on Exhibit B, as may be amended by the actual construction commencement date.
 - C. Contractor does not make prompt and proper payments to subcontractors;
 - D. Contractor does not make prompt and proper payments for labor, materials, or equipment furnished;
 - E. Another contractor is damaged by an act for which Contractor is responsible;
 - F. Claims or liens are filed on the job; or
 - G. In the opinion of the City, Contractor's work is not progressing satisfactorily.

The City shall disburse the total retainage and the final draw request submitted by Contractor upon acceptance of the Project as described in Paragraph 14 below.

5. <u>Liability for Damages</u>. The City its officers, agents or employees, shall not in any manner be answerable or responsible for any loss or damage to the work or to any part of the work; for any loss or damage to any materials, building, equipment or other property that may be used or employed in the work, or placed on the worksite during the progress of the work; for any injury done or damages or compensation required to be paid under any present or future law, to any person, whether an employee of Contractor or otherwise; or for any damage to any property occurring during or resulting from the work. Contractor shall indemnify the City, its officers, agents and employees, against all such injuries, damages and compensation arising or resulting from causes other than the City's neglect, or that of its officers, agents or employees.

6. <u>Inspection of Work and Materials.</u>

- A. The City Manager or his/her designee may appoint and employ such persons as may be necessary to act as inspectors or agents for the purpose of supervising in the interests of the City materials furnished and work done as the work progresses.
- B. The City shall at all times have unrestricted access to all parts of the work and to other places where or in which the preparation of materials and other integral parts of the work are being carried on and conducted.
- C. Contractor shall provide all facilities and assistance required or requested to carry out the work of supervision and inspection by the City, including soil and material tests.
- D. Inspection of the work by the above-mentioned authorities or their representatives shall in no manner be presumed to relieve in any degree the responsibility or obligations of Contractor.
- E. No material of any kind shall be used in the work until it has been inspected and accepted by the City. All rejected materials shall be immediately removed from the premises. Any materials or workmanship found at any time to be defective shall be replaced or remedied at once regardless of previous inspection. Inspection of materials shall be promptly made, and, where practicable, at the source of supply.
- F. Whenever the specifications, the instructions of the City or the laws, ordinances or regulations of any public authority require work to be specially tested or approved, Contractor shall give the City timely notice of its readiness for inspection, and if the inspection is by another authority, of the date fixed for the inspection.
- 7. <u>City of Seminole Insurance Requirements.</u> Contractor shall furnish the City with the Certificates of Insurance proving coverage. Failure to furnish the required certificates will result in the termination of this Agreement. Before starting and until acceptance of the work by the City, the contractor shall procure and maintain insurance of the types and the limits specified. All Policies, with the exception of Workers Compensation, must include the City of Seminole, its officers, agents, employees and volunteers as "Additional Insured" under the liability policies. All insurance policies must be written in a manner consistent with the requirements of the Standard Form Agreement. Certificates of insurance shall be issued prior to execution of the Notice to Proceed. The following are the minimum requirements for insurance coverage:

Commercial General Liability (CGL), in occurrence form, written by a firm that is authorized to conduct business in the State of Florida and recognized by the State of Florida Insurance Regulations. Insurance company must have at least an "A-" rating from A.M. Best or a similar rating service.

- (1) \$1,000,000 per occurrence
- (2) \$2,000,000 per aggregate (\$1,000,000 at minimum)

Workers Compensation and Employers Liability

- (1) Per State of Florida Statutory requirements
- (2) \$100,000 each accident; \$100,000 per employee for disease and \$500,000 for all diseases.

Commercial Automobile Liability

(1) \$1,000,000 Combined Single Limit

All Policies, with the exception of Workers Compensation, must include the City of Seminole, its officers, agents, employees and volunteers as "Additional Insured" under the liability policies. Contractor shall hold the City harmless from any actions brought against Contractor due to negligence, omission or wrongdoing of Contractor or any of its employees, agents, representatives and subcontractors. All coverages/certificates are to be in effect for the term of this Agreement, and must be provided to the City's Public Works Department prior to the date the service begins and at each renewal thereafter during the term of this Agreement. Certificates of Insurance shall be executed on a standard ACORD form.

- 8. Performance Bond. To secure performance of Contractor's obligations under this Agreement, the Contractor shall provide the City with a Performance Bond in the amount of the full contract price, or \$______. The Contractor shall use the form of the Performance Bond supplied by the City. The City shall be authorized to draw upon the Performance Bond to correct any default by Contractor under this Agreement, which default shall be determined and substantiated by an Affidavit of Default signed by the City Manager. The Performance Bond shall be held by the City through the one year warranty period specified in Paragraph 13 below.
- 9. Payment of Labor and Materials Bond. To secure performance of Contractor's obligations under this Agreement to its subcontractors and suppliers, Contractor shall provide the City with a Payment of Labor and Materials Bond in the amount of the full contract price, or \$\frac{1}{2} \text{ After the execution of this agreement and prior to the notice to proceed, the Contractor shall provide the Payment of Labor and Materials Bond to the City in the form supplied by the City. The City shall be authorized to draw upon the Payment of Labor and Materials Bond to correct any default by Contractor under this Agreement, which default shall be determined and substantiated by an Affidavit of Default signed by the City Manager.

- 10. <u>Notice to Proceed</u>. Notice to Proceed shall be issued within ten (10) calendar days of the execution of this Agreement by all parties. If the City fails to issue such Notice to Proceed within that time limit, Contractor may terminate the Agreement without further liability on the part of either party. Such notice of termination must be tendered in writing to the City. Additionally, the parties may mutually agree that the time for the Notice to Proceed may be extended.
- 11. <u>Compliance with Laws</u>. Contractor and every subcontractor or person doing or contracting to do any work contemplated by this contract shall keep himself or herself fully informed of all national and state laws and all municipal ordinances and regulations in any manner affecting the work or performance of his or her contract or any extra work, and shall at all times observe and comply with such laws, ordinances and regulations, whether or not the laws, ordinances or regulations are mentioned in this contract, and shall indemnify the City, its officers, agents and employees, against any claim or liability arising from or based on the violation of any such laws, ordinances or regulations.
- 12. <u>Certificates and Permits</u>. Contractor shall secure at Contractor's own expense all necessary certificates, licenses and permits from municipal or other public authorities required in connection with the work contemplated by this Agreement or any part of this Agreement, and shall give all notices required by law, ordinance or regulation. Contractor shall pay all fees and charges incident to the due and lawful prosecution of the work contemplated by this Agreement, and any extra work performed by Contractor.
- 13. <u>Termination</u>. The City may, at its sole discretion, terminate this Agreement without liability in the event that Contractor fails to provide the Performance Bond or Payment of Labor and Materials Bond, Certificates of Insurance required by Paragraph 7, or otherwise fails to meet the conditions precedent to issuance of the Notice to Proceed set forth in Paragraph 10 above. The City may also, at its sole discretion, on one week's notice to Contractor, terminate this Agreement without liability before the completion date, and without prejudice to any other remedy the City may have, when Contractor defaults in the performance of any provision, or fails to carry out the construction of the Project in accordance with the provisions of this Agreement.
- Substantial Completion / Acceptance. The date of substantial completion of the 14. Project shall be a date mutually agreed upon by the City and Contractor. In the event that the City and Contractor do not reach an agreement as to the date of substantial completion, the Seminole City Council shall determine such date. Upon the date of substantial completion, Contractor shall certify in writing that substantially all improvements described in the Statement of Work have been completed in conformance with the plans and specifications and submit to the City a completed substantial completion list utilizing a form approved by the City. Thereafter, and within thirty (30) business days after a request for final inspection by Builder, the City shall inspect the Project and notify Builder in writing and with specificity of their conformity or lack thereof to the plans and specifications. Builder shall make all corrections necessary to bring the Project into conformity with the plans and specifications. Once any and all corrections are completed, the City shall complete a Project Acceptance Form and promptly notify Builder in writing that the Project is in conformance with the approved plans and specifications, and the date of such notification shall be known as the Acceptance Date. The Acceptance Date shall coincide with the commencement of the one year warranty period described in Paragraph 15 below. Within thirty (30) days of the Acceptance Date, the City shall pay Builder the amount shown on the final draw request; provided, however, that the amount of funds left from the contract price specified in the Notice of Award are sufficient to cover this amount.

- 15. <u>Warranty</u>. Contractor shall warrant any and all improvements constituting the Project constructed for the City pursuant to this Construction Agreement for a period of twenty four (24) months from the Acceptance Date as set forth in Paragraph 14 herein. Specifically, but not by way of limitation, Contractor shall warrant that:
 - A. Any and all improvements constituting the Project shall be free from any security interest or other lien or encumbrance; and
 - B. Any and all structures so conveyed shall be free of any defects in materials or workmanship for a period of two (2) years, as stated above.
- 16. Corrections to Project. If, within two (2) years after the date of substantial completion, any of Contractor's work on the Project is found to be not in accordance with the standards set forth in the preceding Paragraph 15, Contractor shall, at Contractor's expense, correct it promptly after receipt of a written notice from the City to do so unless the City has previously accepted such condition. Such notice shall be either delivered personally or by overnight express courier, or sent by registered or certified mail, postage prepaid, return receipt requested, and must be received by Contractor as soon as practicable after the City discovers the defect or the loss or damage caused by such defect, but in no event later than the date that the warranty given hereby expires.
- 17. <u>Modifications</u>. The City may modify this Agreement with respect to the arrangement, character, alignment, grade or size of the work or appurtenances whenever in its opinion it shall deem it necessary or advisable to do so. Contractor shall accept such modifications when ordered in writing by the City Manager or his/her designee. Any such modifications shall not subject Contractor to increased expense without equitable compensation, which compensation may be approved by the City pursuant to its Purchasing Policy. If any modification results in a decrease in the cost of work involved, an equitable deduction from the contract price shall be made. These deductions shall be determined by the City Manager or his designee. The determination of any such additional compensation or deduction shall be based on the bids submitted and accepted. No modifications in the work shown on the plans and described in the specifications shall be made, unless the nature and extent of the modifications has first been certified by the City in writing and sent to Contractor.
- 18. <u>Attorneys' Fees; Survival; Costs of Collection</u>. Should this Agreement become the subject of legal action to resolve a claim of default in performance by any party, including the collection of past due amounts, the non-prevailing party shall pay the prevailing party's reasonable attorneys' fees, expenses, and court costs. All rights concerning remedies and/or attorneys' fees shall survive any termination of this Agreement.
- 19. <u>Governing Law</u>. The laws of the State of Florida shall govern the validity, performance, and enforcement of this Agreement.
- 20. <u>Assignment</u>. This Agreement may not be assigned without the prior written consent of the non-assigning party.
- 21. <u>Amendment</u>. This Agreement shall not be amended, except by subsequent written agreement of the parties.

- 22. <u>Entire Agreement</u>. This Agreement, <u>along with any addendums and</u> <u>attachments hereto</u>, constitutes the entire agreement between the parties. The provisions of this Agreement may be amended at any time by the mutual consent of both parties. The parties shall not be bound by any other agreements, either written or oral, except as set forth in this Agreement.
- 23. <u>Captions</u>. The captions in this Agreement are inserted only for the purpose of convenient reference and in no way define, limit, or prescribe the scope or intent of this Agreement or any part thereof.
- 24. <u>Binding Effect</u>. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, successors, and assigns.
- 25. <u>Severability</u>. In the event that any of the covenants, agreements, terms, or provisions contained in this Agreement shall be found invalid, illegal, or unenforceable in any respect by a court of competent jurisdiction, the validity of the remaining covenants, agreements, terms, or provisions contained herein shall be in no way affected, prejudiced, or disturbed thereby.
- 26. <u>Notices</u>. Written notices required under this Agreement and all other correspondence between the parties shall be directed to the following and shall be deemed received when hand-delivered or three (3) days after being sent by certified mail, return receipt requested:

To the City: Ann Toney-Deal, City Manager

City of Seminole 9199 113th Street North Seminole, FL 33772 (727) 391-0204

Copy to: Jay Daigneault, Esquire

City Attorney

1001 South Fort Harrison Avenue, Suite 201

Clearwater, Florida 33756 Phone: (727) 733-0494, ext. 106

To the Contractor: *Name, address, telephone number.*

- 27. <u>Status</u>. Contractor is an independent contractor and none of its employees or agents shall be considered an employee or agent of the City for any purpose.
- 28. <u>Insurance and Sovereign Immunity</u>. Nothing herein shall be interpreted as a waiver of governmental immunity, to which the other parties would otherwise be entitled under Sec. 768.28, Florida Statutes, as amended.
- 29. <u>Public Records</u>. Contractor acknowledges that it is acting on behalf of a Public agency and that this Agreement is subject to the provisions of Sec. 119.0701, Florida Statutes, and that Contractor must comply with the public records laws of the State of Florida.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

City of Seminole Attn: City Clerk amancuso@myseminole.com 9199 113th Street North Seminole, FL 33772 727-391-0204

Contractor shall comply with public records laws, and Contractor shall:

- A. Keep and maintain public records required by the City to perform the service.
- B. Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2019), as may be amended or revised, or as otherwise provided by law.
- C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City.
- D. Upon completion of the Contract, transfer, at no cost, to the City all public records in possession of the Contractor or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the Contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the Contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.
- 30. <u>Authority</u>. Each person signing this Agreement represents and warrants that said person is fully authorized to enter into and execute this Agreement, and to bind the party it represents to the terms and conditions hereof.
- 31. <u>Counterparts</u>. This Agreement may be executed in counterparts, each of which shall be deemed an original, and all of which, when taken together, shall be deemed one and the same instrument.

WHEREFORE, the parties hereto have executed duplicate originals of this Construction Agreement on the day and year first written above.

	[CONTRACTOR]:
	By Name Title
	CITY OF SEMINOLE, FLORIDA:
	ByAnn Toney-Deal, City ManagerDate
ATTEST:	
City Clerk	

Notice of Award

		Dated
Owner: City of Seminole	Owner's Project Manager: Rodney E Due	Owner's Resolution No.:
Name of Project / Contract: Waterfront Park Restroom P		Engineer:
Contractor's Address: (send Certified Ma	il, Return Receipt Requested)	
are the Successful Bidd	er and are awarded a Contract for delivery of all conditions outlined	above Contract has been considered. You re thein the Agreement or herein.
See the Bid Documents	for details of the scope of work.	
The Contract Price of yo (written)	ur Contract is \$	
Three (3) of each of the J Award.	proposed Contract Documents (exc	cept Drawings) accompany this Notice of
You must comply with receive this Notice of Av	-	nt within five (10) days of the date you
1. Deliver to the	e Owner two (2) fully executed cou	interparts of the Contract Documents.
		he Contract Security [Bonds] as specified General Conditions (Section 01310)
* *	nese conditions within the time spe Notice of Award and declare your	ecified will entitle Owner to consider Bid security forfeited.
Within Ten days after y executed counterpart of	- ·	ons, Owner will return to you one fully
	City of Seminole Owner	
	By:Authorized Signature	
	Name/Title	

PERFORMANCE BOND

KNOW ALL MEN B	Y THESE PRESENTS, that w	ve, the undersigned
, a	organized under the laws of	f the State of
, hereinafter referred to as the	Contractor and	
	, a corporation or	ganized under the laws of the State of
, and authorized and licensed t	o transact business in the Stat	te of Florida, hereinafter referred to as the
		e, Florida, hereinafter referred to as the City, in
the penal sum of \$, lawful money of the	e United States of America, for the payment of
	Surety bind themselves and the	heir heirs, executors, administrators,
WHEREAS, the above	e Contractor has on the	May, 2020 entered into a written
contract with the City for furn	shing all labor, materials, equ	nipment, tools, superintendence, and other
facilities and accessories for th	e construction of the Waterf	ront Park Restroom Project (the "Project")
in accordance with the Contra	et Documents therefor which	are incorporated herein by reference and made
a part hereof, and are herein re	ferred to as the Contract.	
NOW THEREFORE	the conditions of this perform	nance bond are such that if the
		HALICA DOUGLAIA SUCH WAL II UIG

1. promptly and faithfully observes, abides by and performs each and every covenant, condition and part of said Contract, including, but not limited to, its warranty provisions,

in the time and manner prescribed in the Contract; and

Contractor:

1. pay the City all losses, damages (liquidated, actual or consequential, including, but not limited to, damages caused by delays in performance of the Contract), expenses, costs and attorneys' fees, that the City sustains resulting from any breach or default by the Contractor under the Contract, then this bond is void; otherwise, it shall remain in full force and effect in accordance with the Contract.

IN ADDITION, if said Contractor fails to perform in any respect under the Contract Documents, the Surety shall pay any amounts incurred or to be incurred by the City in connection with such failure in an amount not exceeding the amount of this obligation, inclusive of, without limitation, liquidated damages, together with any related costs and expenses incurred by the City, including, without limitation, attorneys' fees.

IN ADDITION, if said Contractor fails to duly pay for any labor, materials, team hire, sustenance, provisions or any other supplies used or consumed by said Contractor or its subcontractors in its performance of the Work contracted to be done or fails to pay any person who supplies rental machinery, tools, or equipment, all amounts due as the result of the use of such machinery, tools or equipment in the prosecution of the Work, the Surety shall pay the same in an amount not exceeding the amount of this obligation, together with any related costs and expenses incurred by the City, including, without limitation, attorneys' fees.

PROVIDED, that the said Surety, for value received, hereby stipulates and agrees that any and all changes in the Contract shall not affect the Surety's obligations under this bond and the Surety hereby waives notice of any such changes. Further, Contractor and Surety acknowledge that the penal sum of this bond shall increase in accordance with approved changes to the Contract Documents without obtaining the Surety's consent up to a maximum of twenty percent (20%) of the penal sum hereof.

IN WITNESS WHEREOF, said this day of	Contractor and said Surety have executed these presents as of, 2020.
CONTRACTOR:	
Ву:	_
Name:	
Title:	
SURETY:	
By:	_
Name:	
Title:	
(Accompany this Bond with the attorney	v-in-fact's authority from the Surety to execute this Bond.

(Accompany this Bond with the attorney-in-fact's authority from the Surety to execute this Bond certified to include the date of the Bond.)

Bond	#	

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned

, a organized under tl	he laws of the State of
, hereinafter referred to as the Contractor and	. a
corporation organized under the laws of the State of _	and authorized
and licensed to transact business in the State of Colora	
and firmly bound unto the City of Seminole, Florida, l	•
of \$, lawful money of the United St	• • •
Contractor and Surety bind themselves and their heirs	
jointly and severally, firmly by these presents.	-
WHEREAS, the above Contractor has on the	May, 2020 entered into a written
contract with the City for furnishing all labor, material	
facilities and accessories for the construction of the W	
in accordance with the Contract Documents therefor v	• • • • • • • • • • • • • • • • • • • •
a part hereof, and are herein referred to as the Contrac	t.

NOW, THEREFORE, the condition of this payment bond obligation is such that if the Contractor shall at all times promptly make payments of all amounts lawfully due to all persons supplying or furnishing it or its subcontractors with labor, materials, rental machinery, tools or equipment, used or performed in the prosecution of Work provided for in the above Contract and shall indemnify and save harmless the City to the extent of any and all payments in connection with the carrying out of such Contract which the City may be required to make under law or in equity, and for all losses, damages, expenses, costs, and attorneys' fees incurred by the City resulting from the failure of the Contractor to make the payments discussed above, then this obligation shall be null and void, otherwise, it shall remain in full force and effect.

IN ADDITION, if said Contractor fails to perform in any respect under the Contract Documents, the Surety shall pay any amounts incurred or to be incurred by the City in connection with such failure in an amount not exceeding the amount of this obligation, inclusive of liquidated damages, together with any related costs and expenses incurred by the City, including, without limitation, attorneys' fees.

PROVIDED, that the said Surety, for value received, hereby stipulates and agrees that any and all changes in the Contract shall not affect the Surety's obligations under this bond and the Surety hereby waives notice of any such changes. Further, Contractor and Surety acknowledge that the penal sum of this bond shall increase in accordance with approved changes to the Contract Documents without obtaining the Surety's consent up to a maximum of twenty percent (20%) of the penal sum hereof.

	TNESS WHEREOF day of	s, said Contractor and said Surety have executed to 2020.	hese presents as of
CONTRACTO			
By:			
Name:			
Title:			
SURETY:			
By:			
Name:			
Title:			

(Accompany this Bond with the attorney-in-fact's authority from the Surety to execute this Bond, certified to include the date of the Bond.)

CERTIFICATE OF INSURANCE

CONTRACTOR shall provide h	s own standard form(s)	for Certificate of Insurance	e naming the
City as additionally insured.			

Notice to Proceed

		Dated
Owner:	Owner's Project Manager:	Owner's Resolution No.:
City of Seminole Name of Project / Contract:	Rodney E Due	Project Engineer:
Waterfront Park Restroom 6	Project	Project Engineer.
Contractor:		<u>'</u>
Contractor's Address: (send Certified Ma	ail, Return Receipt Requested)	
Regarding Unauthorized relieve you of responsible are met for the duration above described work has a support of the Agreement will begin the control of the Agreement will be given the	d Immigrants have been received ility to assure that the insurance received of the Agreement. The Agreement as been fully executed. ed and directed to proceed by the reement. icle 2 of the Agreement, you are no later than	ertificates of Insurance, and Addendum I. Our issuance of this Notice does not equirements of the Contract Documents and dated covering the Time of Commencement in accordance e notified that Construction under this and shall be completed by ated damages for failure to achieve this Agreement will be calculated using
the above Completion D		
Contractor	City of Se Owner	minole
Received by:	Given by:	
T:41.	City Mana	ager
Title	Title	
Date	Date	

Substantial Completion Form

		Dated
Owner: City of Seminole	Owner's Project Manager: Rodney E Due	Owner's Resolution No.:
Name of Project / Contract (Project): Waterfront Park Restroom Pr	roject	Project Engineer:
Builder:		
completion of the Project shall be Builder and certifies that substa		City and Builder. This form is submitted by ne Statement of Work have been completed
In the space below, itemize who (attach additional sheets as nec		ject and the timeline for completion of each
Total Amount to be Retaine	ed Pending Final Completion: \$_	
Builder:		
Signature		Date
Printed Name	·	
City of Seminole:		
Signature – Project Manager		Date
Signature – Department Head		Date

FINAL RECEIPT AND RELEASE

Project: Waterfront Park Restroom Project
Contractor:
Final Contract Price:
Final Payment:
The Contractor hereby certifies:
THAT the above noted Final Contract Price is the full compensation due under the Contract for the Project;
THAT the above noted Final Payment has been received from the City of Seminole;
THAT, together with the Final Payment, amounts totaling the Final Contract Price have been received from the City of Seminole;
THAT the City of Seminole is released from all claims related to the Contract for the Project; an
THAT all persons and companies performing labor or furnishing materials for the Project have been paid in full.
Contractor:
By:
Title:
Date:

Project General Requirements Table of Contents

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Section 01000 General Definitions and Terms

1.1 General

A. Scope

The following conditions are general in scope and may contain requirements covering conditions that may not be encountered in the performance of the Work under contract. Where any stipulation or requirement set forth herein applies to any such non-existing condition, and is not applicable to the Work under contract, such stipulation or requirement shall have no meaning relative to the performance of said Work.

B. Titles and Subheadings.

- I. The titles and subheadings used in the Contract Documents are for convenience of reference only and shall not be taken or considered as having any bearing on the interpretation of said documents.
- II. Titles used in these specifications having a masculine gender, such as "workman" and the pronouns "he" or "his," are for the sake of brevity and are intended to refer to persons of either sex.

1.2 Definitions and Terms.

- A. When the Contract indicates that work shall be "accepted, acceptable, approval, approved, authorized, condemned, considered necessary, contemplated, deemed necessary, designated, determined, directed, disapproved, established, given, indicated, insufficient, interpretation, interpreted, ordered, permitted, rejected, required, reserved, satisfactory, specified, sufficient, suitable, suspended, unacceptable, or unsatisfactory," it shall be understood that these expressions are followed by the words "by the City," or "to the City."
- B. Additional definitions and terms are provided wherever the following terms are used in these Contract General Conditions, or other Contract Documents, the intent and meaning shall apply to both the singular and plural thereof and shall be interpreted as follows:

<u>Addenda.</u> Written or graphic instruments issued prior to Bid Opening which clarify, correct, or change the Contract Documents.

<u>Bid.</u> The offer or proposal of the Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

<u>Bidder</u>. An individual, firm, corporation, or other legal entity submitting a proposal for the advertised Work and, if the Successful Bidder, a contractor intending to contract with the City for performance of prescribed Work.

<u>Bid Documents</u>. These shall consist of the following forms and documents: Construction Drawings, Addenda (if any), Invitation to Bid, Instruction to Bidders, Bid Form, Bid Bond Form, Special Conditions, Special Provisions, Supplemental Specifications, Appendix, and Construction Drawings. (not attached).

<u>Bid Opening</u>. The public opening and reading of all bids prepared and submitted in accordance with the Instructions to Bidders at the time and date set forth in the Invitation to Bid.

<u>Bid Guaranty</u>. The security, as designated in the Instructions to Bidders and furnished with the Bid as a guaranty that the Bidder shall enter into the Contract and furnish the Bonds and Certificates of Insurance as required if awarded the Work.

<u>Bid Schedule.</u> A list of Bid Items in the Bid Form, which includes a description, approximate quantity and units (if any), unit price and extended amount or lump sum bid, for each item. The Bid Schedule also includes a line for the Total Bid based on the summation of the extended amounts of all bid items. The Bid Schedule may also include bid alternates and a line for the Bidder to enter an estimated date to begin construction.

Bonds. Bid, Performance and Payment Bonds and other instruments of security.

Calendar Day. Each and every day shown on the calendar, beginning and ending at midnight.

<u>Change of Work Form</u>. The following forms, copies of which are provided in the Standard Forms: Field Order, Work Change Request, Request for Adjustment, and Change Order.

<u>Change Order.</u> A document recommended by the City which is signed by the Contractor and by an authorized agent of the City which authorizes an addition, deletion, or revision in the Work, or an adjustment in Contract Price or Contract Time, which is issued on or after the Effective Date of the Contract. Properly executed Change Orders become a part of the Contract Documents.

<u>Construction Drawings</u> (Drawings, Plans). The Drawings or Plans which show the character and scope of the Work to be performed which have been prepared or approved by the City and are referred to in the Contract Documents (including Standard Details).

<u>Contract</u>. A written agreement between the City and Contractor covering the Work to be performed. Other Contract Documents are attached to the Contract and made a part thereof as provided therein.

<u>Contract Documents.</u> The Standard Contract Documents for Capital Improvements Construction (current edition) and the Bid Documents as defined herein. Contract Documents also include: Shop Drawings, Field Orders, Work Change Requests and Change Orders which must be signed by authorized representatives of the City and the Contractor.

<u>Contract Time</u>. The number of Calendar days allowed for the Substantial and/or Final completion of the Work specified in the Contract including authorized time extensions, beginning on the date specified in the Notice to Proceed.

<u>Contractor</u>. The person, firm, or corporation with whom the City intends to or has entered into a Contract.

Day. Calendar Day.

<u>Defective Work.</u> Work that is unsatisfactory, faulty, or deficient, or does not conform to the Contract Documents, or does not meet the requirements of a referenced standard, test, or approval referred to in the Contract Documents, or has been damaged prior to the City's recommendation of Final Payment (unless responsibility for the protection thereof has been assumed by the City at Substantial Completion).

Drawings. Same meaning as Construction Drawings.

<u>Effective Date.</u> The date indicated in an agreement or notice on which it becomes effective, but if no such date is indicated, the date on which the instrument is fully signed and delivered by the last of the parties *involved*.

<u>Engineer</u>. The Project Engineer, who may be a City employee or hired consultant who has been appointed or authorized by the City to oversee the technical aspects of the work and to administer the Contract on behalf of the City. The term "Engineer" may also apply to a Professional Engineer working for a developer who is required to construct public infrastructure.

<u>Extra or Additional Work</u>. Work which was not a part of the original Contract Documents at the time the Contract was executed for which extra compensation or time is justified in accordance with conditions set forth in the Contract Documents.

<u>Field Order.</u> A written order issued by the City which directs or allows minor changes in The Work, and which does not *involve* a change in the Contract Price or Contract Time.

<u>Final Completion</u>. The date upon which the Work, in the City's opinion and based upon its inspection, is acceptable and fully performed in accordance with the Contract Documents, and all other requirements or conditions to the City's advertisement of the Project for final payment *have* been *fulfilled*: Final Completion shall be *evidenced* by the City's issuance of a Letter of Final Completion.

Holidays. Holidays recognized by the City are:

New Year's Day	January 1
Martin Luther King Day	3 rd Monday in January
President's Day	3 rd Monday in February
Memorial Day	Last Monday in May
Independence Day	July 4
Labor Day	1 st Monday in September
Veterans Day	November 11
Thanksgiving Day	4th Thursday in November
Friday after Thanksgiving	
Christmas Day	December 25 th

When a Holiday, as listed *above*, *falls* on a Saturday, it shall be observed on the preceding Friday; if the Holiday falls on Sunday, it shall be observed on the following Monday.

<u>Inspector.</u> An authorized representative of the City, assigned to inspect and/or test materials furnished or Work performed by the Contractor.

<u>Laboratory.</u> Any testing laboratory designated by the City to make tests of the materials and Work involved in the Contract.

<u>Liquidated Damages</u>. The sum of money the Contractor agrees to pay the City for each day of delay beyond the date due for the completion of specified stages of Work or the complete Contract, or in delaying or requiring the City to incur additional costs in the process of obtaining a Contract to perform the Work in the case of Bid Guaranty.

Manager. The City Manager of the City of Seminole.

<u>Notice of Award</u>. The written notice by the City to the apparent Successful Bidder stating that upon compliance with the conditions precedent enumerated therein, within the time specified, the City shall sign and deliver the Contract.

<u>Notice to Proceed</u>. Written notice to the Contractor to proceed with the Contract Work specifying, when applicable, the date of beginning of Contract Time.

<u>Plans</u>. Same meaning as Construction Drawings.

<u>Project</u>. The specific Work to be performed as described in the Contract Documents.

<u>Project Manager I Facilities Manager.</u> Designated City employee in charge of the Project.

<u>Request for Adjustment.</u> A written request issued by the Contractor for an adjustment in Contract Time or Contract Price. A copy of the Request for Adjustment Form is provided in the Standard Forms.

Review. To examine or re-examine for conformance with the Contract Documents.

Schedule of Submittals. A schedule of all Shop Drawings, material certifications, mix designs, samples, construction schedules (Gantt charts) and other items to be submitted by the Contractor for review and/or approval by the City. The Schedule of Submittals is included in the Special Conditions and may be modified by the City any time before or after the construction begins.

<u>Shop Drawings</u> (Work Drawings). All drawings, diagrams, illustrations, schedules, and other data which are specifically prepared by or for the Contractor to illustrate some portion of the Work, and all illustrations, brochures, standards, schedules, performance charts, illustrations, diagrams, and other information submitted by the Contractor to illustrate material or equipment for some portion of the Work.

<u>Special Conditions.</u> The part of the Contract Documents which amends or supplements the General Contract Conditions and which are specific to the Work to be performed.

<u>Special Provisions.</u> Additions and revisions to the City's Standard Specifications covering conditions peculiar to an individual project.

<u>Specifications.</u> Those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, standards and workmanship as applied to the Work. These may consist of Standard or Supplemental Specifications, Special Provisions, and/or notes on the Construction Drawings.

Standard Contract Documents for Capital Improvements Construction. These shall include the following Standard Forms and documents: Statement of Bidders Qualifications, Instructions to Contractors Regarding Affirmative Action, Notice of Award, Contract, Performance Bond Form, Payment Bond Form, Notice to Proceed, Field Order Form, Work Change Request Form, Request for Adjustments Form, Change Order Form, Partial Payment Request Form, Certificate for Payment Form, Final Receipt and Release, General Contract Conditions, Standard Specifications, as approved for use by the City, and Standard Specifications for construction

Standard Details. Same meaning as Standard Drawings.

<u>Standard Drawings</u>. City-approved Standard Drawings and Details which pertain to the Work to be performed.

<u>Standard Forms.</u> Forms utilized and approved by the City as the Standard Contract Documents for Capital Improvements Construction, which are in the format to be used for the stated or intended purpose.

<u>Standard Specifications.</u> Standard Specifications utilized and approved by the City all of which are incorporated into the Standard Contract Documents for Capital Improvements Construction.

<u>Subcontractor</u>. An individual firm, corporation, or other legal entity to which the Contractor subcontracts part of the Contract.

<u>Substantial Completion</u>. When the Work or a specified part thereof has progressed to the point where the Work, in the opinion of the City, as evidenced by the City's Letter of Substantial Completion, is sufficiently complete, in accordance with the Contract Documents, so that the Work or specialized part can be placed in service and utilized for the purpose for which it is intended. The terms "substantially complete" and "substantially completed" as applied to any Work refer to Substantial Completion thereof.

<u>Successful Bidder.</u> The actual or apparent responsive, responsible and qualified Bidder having the lowest Bid price.

<u>Superintendent.</u> The Contractor's authorized representative who is in responsible charge of the Work.

<u>Supplemental Specifications</u>. Additional Specifications which may be necessary to cover Work peculiar to an individual project, which is not addressed by the Standard Specifications. Supplemental Specifications may be a section in the Bid Documents or may appear as notes on Construction Drawings.

<u>Surety</u>. The corporation, partnership or individual, other than the Contractor, executing a bond furnished by the Contractor.

City. The City of Seminole, State of Florida, or any employee thereof.

<u>City Engineer/Public Works Director</u>. Same as Project Manager employed by the City responsible for all construction contract decisions. (Also referred to as Engineering Manager.)

<u>Work.</u> All labor, materials, equipment, and incidentals necessary to successfully complete the project according to all duties and obligations imposed by the Contract.

Work Change Request. A written directive to the Contractor, issued by the Engineer on or after the Effective Date of the Contract, requesting the Contractor to provide a cost for pending extra Work or changes in the Work. The Work Change Request may also direct the Contractor to proceed with the revision in Work. A Work Change Request does not change the Contract Price or Contract Time, but is evidence that the parties expect that the change directed or documented by a Work Change Request shall be, if implemented, incorporated into a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Time.

<u>Working Day.</u> Any Day, exclusive of Saturdays, Sundays and City-observed Holidays. If City explicitly permits work to be conducted on a Saturday, Sunday, and/or City observed holiday, that day shall count as a Working Day for purposes of the Contract Time.

Section 01010 Summary of Work

1.1 Work Covered by Contract Documents

1. The work consists of the construction of the outlined improvements: City of Seminole Waterfront Park Restroom Project 2020

The Scope of work will consist of one building containing a men's and women's restroom to include a maintenance and utility room, and approximately 300' of 4" thick 10' wide sidewalk. The work will consist of furnishing all labor and materials and performing all work set forth in the Bid Documents, which include but are not limited to the plans and specifications Prepared by Sofarelli' & Associates Architecture, and the City of Seminole Public Works Department. Working hours shall be Monday thru Friday between 7 a.m. 7 p.m., weekends 7 a.m. 5 p.m., unless otherwise approved by the City.

- 2. The Contractor is responsible for mobilization, and clean-up.
- 3. The City reserves the right to modify, add to, or delete portions of any of the bid schedule or omit entire schedules from the scope of the project. The City reserves the right to make design modifications.

4. Protection and Restoration

- a. Replace to equal or better conditions all items removed and replaced or damaged during construction.
- b. The City must approve the condition of all replaced and/or restored areas prior to Final Payment.
- c. The contractor is responsible for construction site fencing adequate to keep the public from accessing the construction site.
- d. The contractor is responsible for all Stormwater BMP's.

1.2 Work Sequence

A. The Contractor is responsible for coordinating all work, including the work of his subcontractors, with the City. Schedules shall be coordinated with the City to accommodate special needs that the City of Seminole may require. The work shall begin on or after May 25, 2020. As specified in the Agreement the work shall be substantially complete by November 20, 2020. The Completion Date may, at the City's sole discretion, be extended if approved by the City in writing.

1.3 <u>Delivery and Receipt of Equipment and Materials</u>

A. Contractor is responsible for the delivery, receipt, storage, protection and use of equipment and materials in conjunction with this project. City shall not receive or take any responsibility for equipment and/or materials delivered to the site.

1.4 Notices to Owners, Agencies and Authorities

- A. Contact all affected agencies at least 72 hours prior to start of construction.
- B. The City will assist with removal of vehicles from the work area when necessary.

Section 01040 Coordination

1.1 General

- A. Coordinate operations under the contract in a manner which will facilitate progress of the work. The Contractor shall also coordinate with the Utility Companies and City who may have work separate from the General Contractor's contract.
- B. Conform to the requirements of public utilities and concerned public agencies in respect to the timing and manner of performance of operations which affect the services of such utilities, agencies, or public safety.
- C. Coordinate all operations with the adjoining property owners, business owners, and surrounding neighborhoods to provide satisfactory access at all times and keep them informed at all times.
- D. Keep traffic areas free of material, construction equipment, and other material and equipment.
- E Conduct operations in a manner to avoid unnecessary interference with public and private roads and driveways.
- G. Provide and maintain temporary approaches or crossings at streets, businesses and residences.

1.2 Schedule and Milestones

A. Prior to commencing any site work, the Owner, Owners representative, and Contractor shall meet to determine the critical path, sequence, and scope for the project based on the Owner's priorities.

1.3 <u>Meetings</u>

- A. Hold Meetings for coordination of the Work when needed.
 - 1. Contractor shall participate in such meetings accompanied by subcontractors as required by City.

<u>Section 01160</u> Unit Prices – General

1.1 <u>Description</u>

- A. This Section covers, in general, methods of measurements and payment for items of Work. The Project Construction Specifications also contain information pertaining to methods of measurement and payment. Items of Work will be paid for in accordance with the unit prices in the Bid Schedule.
 - 1. City will not pay for defective work and will not pay for repair or additional work required to bring the project to a point of acceptance.

B. Bid Price.

- 1. The Total Bid Price covers all work required by the Contract Documents.
 - a. All work not specifically set forth as a pay item in the Bid Form shall be considered a subsidiary obligation of Contractor and all costs in connection therewith shall be included in the price bid for the various items of work.
- 2. Unit prices shall include all costs in connection with proper successful completion of the Work, including furnishing all materials, equipment, and tools; and performing all labor and supervision to fully complete the Work.
- 3. Unit prices shall govern over extensions of sums.
- 4. Unit prices shall not be subject to renegotiation.

C. Estimated Quantities

- 1. All quantities stipulated in the Bid Form at unit prices are approximate and are to be used only as a basis for estimating the probable cost of the Work and for the purpose of comparing the Bids submitted for the Work. The basis of payment shall be the actual quantity of material furnished and Work done.
- 2. Contractor agrees that he will make no claim for damages, anticipated profits, or otherwise on account of any difference between the amount of Work actually performed and materials actually furnished and the estimated amount thereof.
- 3. City reserves the right to decrease, increase, or delate parts of the project

1.2 <u>Mobilization</u>

A. The Lump sum price for the **Waterfront Park Restroom Project** shall include all costs for bonds, insurance, permits, moving construction equipment to the site, and similar costs which are not affected significantly by variation in quantities of the Work.

1.3 <u>Project Closeout</u>

A. The costs for project closeout shall be considered incidental to the Work and will not be paid for separately. Project Closeout includes the removal of all construction plant, materials, equipment, and all excess or waste materials remaining at completion of Construction; restoration of the site and final cleanup; and the furnishing of all documentation required by the Contract Documents prior to Final Payment.

Section 01310 Construction Schedules

1.1 General

- A. Prepare a schedule of all construction operations and procurements after review of tentative schedule and scope by parties attending the Preconstruction Meeting.
 - 1. No Work is to begin at the site until City's acceptance of the Construction Progress Schedule and Report of delivery of equipment and materials.
 - 2. Working hours shall be Monday thru Friday between 7 a.m. 7 p.m., weekends 7 a.m. 5 p.m., unless otherwise approved by the City.

1.2 Content

- A. Construction Progress Schedule.
 - 1. Show the complete work sequence of construction by activity and location, as needed

1.3 <u>Progress Revisions</u>

- A. Submit revised schedules and reports when changes are foreseen, when requested by the City, and with each application for progress payment.
- B. Show changes occurring since previous submission.
 - 1. Actual progress of each item to date.
 - 2. Revised projections of progress and completion.
- C. Provide a narrative report as needed to define:
 - 1. Anticipated problems, recommended actions, and their effects on the schedule.
 - 2. The effect of changes on schedules of others.

1.4 <u>City's Responsibility</u>

- A. City review is only for the purpose of checking conformity with the Contract Documents and assisting Contractor in coordinating the Work with the needs of the project.
- B. It is not to be construed as relieving Contractor from any responsibility to determine the means, methods, techniques, sequences and procedures of construction as provided in the General Conditions.

Section 01330 Survey Data

1.1

Survey Requirements
A. The Contractor will provide construction surveying for the project (as needed).

Section 01410 Testing

1.1 General

- A. Provide such equipment and facilities as the City may require for conducting field tests and for collection and forwarding samples. Do not use any materials or equipment represented by samples until tests, if required, have been made and the materials or equipment are found to be acceptable. Any product, which becomes unfit for use after approval hereof, shall not be incorporated into the Work.
- B. All materials or equipment proposed to be used may be tested at any time during their preparation or use. Furnish the required samples without charge and give sufficient notice of the placing of orders to permit the testing. Products may be sampled either prior to shipment or after being received at the site of the Work.
- C. Tests shall be made by an accredited testing laboratory selected by the City. Except as otherwise provided, sampling and testing of all materials and the laboratory methods and testing equipment shall be in accordance with the latest standards and tentative methods of the American Society for Testing Materials (ASTM).
- D. Where additional or specified information concerning testing methods, sample size, etc. is required, such information is included under the applicable sections of the Specifications. Any modification of, or elaboration on these test procedures (which may be included for specific materials under their respective sections in the Specifications) shall take precedence over these procedures.

1.2 <u>City's Responsibilities</u>

- A. City shall be responsible for and shall pay all costs in connection with testing for the following:
 - 1. Materials and quality assurance testing services (as requested).
 - 2. Contractor shall coordinate and cooperate with the technicians doing the testing and all testing and testing requirements for the project.

1.3 Contractor's Responsibilities

A. Contractor is responsible for any and all re-testing for Work, or materials found defective or unsatisfactory, and proposed or directed remedial action, and corrective action taken. Document inspections and tests as required by each Section of the Specifications. Provide copies to the City weekly.

Section 01510 Temporary Utilities

1.1 <u>Utilities</u>

- A. City will furnish all utilities necessary for construction.
- 1.2 <u>Sanitary Facilities Contractor's Responsibilities</u>
 - A. Contractor is responsible for providing the necessary number of Portable Toilets for on-site workers.

Section 01560 Temporary Controls

1.1 Noise Control

- A. Take reasonable measures to avoid unnecessary noise when construction activities are being performed.
- B. Construction machinery and vehicles shall be equipped with practical sound muffling devices, and operated in a manner to cause the least noise consistent with efficient performance of the Work.
- C. Cease operation of all machinery and vehicles between the hours of 07:00 p.m. and 07:00 a.m.

1.2 Dust Control

A. Contractor shall take appropriate measures to prevent blowing dust.

1.3 Pollution Control

- A. Prevent the pollution of drains and water courses by sanitary wastes, concrete, sediment, debris, and other substances resulting from construction activities.
 - 1. Retain all spent oils, hydraulic fluids and other petroleum fluids in containers and dispose off site.
 - 2. Prevent sediment, debris or other substances from entering sanitary sewers, storm drains, culverts and/or open ditches and waterways.

Section 01600 Liquidated Damages

1.1 <u>Liquidated Damages:</u>

If the Contractor does not achieve Final Completion by the required date of any individual phase, whether by neglect, refusal or any other reason, the date for Final Completion may be extended in writing by the Owner. As provided elsewhere, this provision does not apply for delays caused by the City. The parties agree and stipulate that the Contractor shall pay liquidated damages to the City for each such day that final completion is late.

The Contractor agrees that as part of the consideration for the City's awarding of this Contract liquidated damages in the amount of \$500 the first day and \$250.00 for each day after is reasonable and necessary to pay for the actual damages resulting from such delay, and as such not a penalty. The parties agree that the real costs and injury to the City for such delay include hard to quantify items such as: Additional engineering, inspection and oversight by the City and its agents; additional contract administration; inability to apply the efforts of those employees to the other work of the City; perceived inefficiency of the City; citizens having to deal with the construction and the Work, rather than having the benefit of a completed Work, on time; inconvenience to the public; loss of reputation and community standing for the City during times when such things are very important and very difficult to maintain.

The Contractor must complete the Work and achieve final completion included under the Bid Schedule in the number of consecutive calendar days after the City gives its written Notice to Proceed. When the Contractor considers the entire Work ready for its intended use, Contractor shall certify in writing that the Work is substantially complete. In addition to the Work being substantially complete, Final Completion date is the date by which the Contractor shall have fully completed all clean-up, and all items that were identified by the City in the inspection for final completion. Unless otherwise stated in the Special Conditions, for purposes of this liquidated damages clause, the Work shall not be finished and the Contract time shall continue to accrue until the City gives its written Final Acceptance.

If the Contractor shall fail to pay said liquidated damages promptly upon demand thereof after having failed to achieve Final Completion on time, the City shall first look to any retainage or other funds from which to pay said liquidated damages; if retainage or other liquid funds are not available to pay said liquidated damages amounts, the Surety on the Contractor's Performance Bond and Payment Bond shall pay such liquidated damages. In addition, the City may withhold all or any part of, such liquidated damages from any payment otherwise due the Contractor.

Liquidated damages as provided do not include any sums to reimburse the City for extra costs which the City may become obligated to pay on other contracts which were delayed or extended because of the Contractor's failure to complete the Work within the Contract Time. Should the City incur additional costs because of delays or extensions to other contracts resulting from the Contractor's failure of timely performance, the Contractor agrees to pay these costs that the City incurs because of the Contractor's delay, and these payments are separate from and in addition to any liquidated damages.

The Contractor agrees that the City may use its own forces or hire other parties to obtain Substantial or Final Completion of the work if the time of completion has elapsed and the Contractor is not diligently pursuing completion. In addition to the Liquidated Damages provided for, the Contractor agrees to reimburse the City for allexpenses thus incurred.

Section 01700 Contract Closeout

1.1 Substantial Completion

- A. Substantial Completion of the **Waterfront Park Restroom Project** shall be defined as the completion of the restroom facility, and any other pertinent items as required for this project.
- B. Substantial Completion dates or times are outlined in the Contract Documents.

1.2 Final Completion

- A. Final Completion shall be defined as the completion of all Work including cleanup, all punch list items completed, and all processing of all change orders. The Work must be ready for Final Payment and Acceptance.
- B. Final Completion will be subject to the terms outlined in the Contract Documents.

Section 01720 Site Cleanup

1.1 General

A. Execute cleanup during progress of the Work, and at completion of the Work.

1.2 Description

- A. Store volatile wastes in covered containers and dispose off site.
- B. Provide on-site covered containers for the collection of waste materials, debris, and rubbish.
- C. Neatly store construction materials, such as concrete forms, when not in use.
- D. Broom clean exterior paved surfaces and rake other exterior surfaces.

1.3 <u>Disposal</u>

- A. Wastes shall not be buried or burned on the site or disposed of into storm drains, sanitary sewers, streams, ditches, or waterways.
- B. When approved by the City, the Contractor my stockpile and store materials and equipment within *Waterfront Park*.
- C. All excess materials shall become property of the Contractor, unless otherwise directed by the City.
- D. Remove waste materials, clearing materials, demolition materials, unsuitable excavated materials, debris and rubbish for the site at least weekly and dispose of at disposal areas furnished by the Contractor away from the site.



NEW RESTROOM FACILITY FREE STANDING BUILDING

10400 PARK BLVD. N. SEMINOLE, FLORIDA 33772

DRAWING INDEX		RAWING INDEX	BUILDING DATA	CODE DATA	
	ARCHITECTURAL		BUILDING USE	APPLICABLE CODES	
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\wedge	A-3 A-4 A-5 A-6	FOUNDATION PLAN ROOF PLAN, ROOF FRAMING PLAN BUILDING SECTIONS INTERIOR ELEVATIONS & DETAILS	OCCUPANCY CLASSIFICATION GROUP U: UTILITY	CONTRACT WORK REQUIRED BY SUC AUTHORITIES SHALL BE AT THE EXPE SUBCONTRACTOR, SUBJECT TO THE FAN AFFIDAVIT OR LETTER FROM THE BODY AND LANDLORD PRIOR TO AT OF ANY ADDITIONAL COST TO BE INCALL PERMITS & LICENSES NECESSAR	
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	PLU	MBING	FLOOD ZONE	SITE DATA REFERENCE CIVIL DRAWINGS DEUE	
	P-1	PLUMBING PLAN	BASE FLOOD ELEVATION: 10.00' NAVD88	LAND USE DESIGNATION: PUBLIC F	

DESIGN FLOOD ELEVATION: 11,00' NAVD88

FEMA FLOOD ZONE : AE (EL. 10)

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ØIT FLORIDA ACCESSIBILITY CODE 2017 FLORIDA EXISTING BUILDING 2017 FLORIDA FIRE PREVENTION CODE AS WELL AS ANY AND ALL

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ABBREVIATIONS

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	DISABILITIES ACT
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BLDG. DEPT	_ BUILDING DEPARTMENT
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MIN	_ METAL
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
0.C	ON CENTER
P.T	PRESSURE TREATED
REFREINF	REFERENCE
REINH	REINFORCING
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2017 FLORI SPECIFIC D BASIC WIND SPEED: BUILDING CATEGOR WIND LOAD IMPORTA ENCLOSURE CLASSI EXPOSURE CATEGO INTERNAL PRESSURI WIND BORN DEBRIS PROTECTION:	PESIGN CR EXT: ANCE FACTOR: FICATION: PRY: E COEFFICIENT: ZONE:	145 M.P.H. 110 OPEN "B" 120	<u>W</u> .

GENERAL NOTES THESE DRAWINGS ARE THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE USED WITHOUT HIS CONSENT. DRAWINGS SHALL NOT BE USED FOR ISSUE OF BUILDING PERMIT UNLESS SIGNED AND SEALED BY THE ARCHITECT.

THE ARCHITECT SHALL BE THE INTERPRETER OF THE CONTRACT. THE DOCUMENTS SHOW AN OVERVIEW OF THE WORK REQUIRED UNDER THIS CONTRACT AND RELATED REQUIREMENTS AND CONDITIONS THAT WILL IMPACT THE PROJECT. ALL DRAWINGS ARE COMPLIMENTARY. THE DRAWINGS GENERALLY SHOW THE INTENT OF THE OVERALL COMPLEXITY AND CONCEPTS OF THE PROJECT, AND DO NOT NECESSARILY SHOW ALL DETAILS AND CONDITIONS.

THESE PLANS HAVE BEEN PREPARED PER REGULATIONS OF THE 2017 FLORIDA BUILDING CODE. THE WORK OF ALL CONTRACTORS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN THE AFOREMENTIONED CODE. NO DEVIATIONS FROM THE WORK SHOWN OR REASONABLY IMPLIED SHALL BE UNDERTAKEN WITHOUT THE ARCHITECT'S WRITTEN

CODE. THE WORK OF ALL CONTRACTORS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN THE AFOREMENTIONED CODE. NO DEVIATIONS FROM THE WORK SHOWN OR REASONABLY IMPLIED SHALL BE UNDERTAKEN WITHOUT THE ARCHITECT'S WRITTEN CONSENT, A COPY OF WHICH WILL BE FILED WITH THE CONSTRUCTION OFFICIAL.

THE OWNER AND THE CONTRACTOR SHALL HOLD HARMLESS THE ARCHITECT FROM AND AGAINST ALL LIABILITY CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING LEGAL FEES ARISING OUT OF, OR RESULTING FROM, ERRORS OR OMISSIONS IN THE ARCHITECT'S DRAWINGS AND THE PERFORMANCE OF THE WORK BY THE CONTRACTOR. ALL WORK AND MATERIAL SHALL MEET THE REQUIREMENTS OF ALL LOCAL AND STATE BUILDING CODES AND THE SPECIFICATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS. THE DRAWINGS SHOW THE GENERAL ARRANGEMENTS AND EXTENT OF THE WORK. AS THE WORK PROGRESSES, THE OWNER AND THE CONTRACTOR, AT NO EXTRA COSTS, SHALL MAKE MODIFICATIONS TO MAKE THE PARTS ALIGN.

ALL WORK AND MATERIALS SHALL MEET THE REQUIREMENTS OF LOCAL AND STATE CODES AND THE SPEC.'S OF THE NATIONAL BOARD OF FIRE UNDERWRITERS. GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL PLAN DIMENSIONS AND CONDITIONS BEFORE PROCEEDING W. CONSTRUCTION. HE SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CORRECTION PRIOR TO BEGINNING ANY WORK. THE DISCOVERY OF DISCREPANCIES AFTER THE BEGINNING OF WORK WILL BE EVIDENCE OF FAULTY WORK AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DO NOT SCALE DRAWINGS. ALL WRITTEN DIMENSIONS GOVERN.

SCOPE OF WORK G.C. TO BUILD NEW FREE STANDING STRUCTURE AS INDICATED IN SHEETS A-1

- NEW PLUMBING SERVICE TO BE INSTALLED TO NEW STRUCTURE AS INDICATED ON SHEETS P-1, THRU P-3
- NEW ELECTRICAL SERVICE TO BE INSTALLED TO NEW STRUCTURE AS INDICATED ON SHEETS E-1,
- NEW MECHANICAL SERVICE TO BE INSTALLED TO NEW STRUCTURE AS INDICATED ON SHEETS M-1, M-2 .
- THE GENERAL CONTRACTOR SHALL MEET WITH THE PLUMBING, MECHANICAL, ELECTRICAL, ETC. SUB-CONTRACTORS ON-SITE PRIOR TO CONSTRUCTION TO VERIFY ANY/ALL EXISTING UTILITY CONDITIONS PERTAINING TO THIS PROJECT/SCOPE OF WORK, MINUTES FROM THIS/THESE MEETING(S) AND FINDINGS IN THE FIELD SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION.

CONTRACTOR NOTES

- ALL WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH ALL MANUFACTURER'S SPECIFICATIONS, GUIDELINES, AND RECOMMENDATIONS; AS WELL AS ALL PERTINENT FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES INCLUDING BUT NOT LIMITED TO:
- NFPA 101 LIFE SAFETY CODE, (2012) FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, (2017) FLORIDA BUILDING CODE, (2017)
- PRIOR TO START OF WORK, GENERAL CONTRACTOR, (G.C.), SHALL REVIEW THESE CONSTRUCTION DOCUMENTS AND THE PRINTED SCOPE OF WORK TO BE PERFORMED UNDER THE CONSTRUCTION CONTRACT WITH A DULY AUTHORIZED REPRESENTATIVE OF THE TENANT. THE ARCHITECT DOES NOT REPRESENT THESE DOCUMENTS AS APPROVED BY THE TENANT. SCOPE OF WORK IS AVAILABLE FROM TENANT'S REPRESENTATIVE.

THE CONTRACTOR FOR THIS PROJECT SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO COMPLETE THE TOTAL PROJECT. THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL MATERIALS, TOOLS, EQUIPMENT, LABOR, MACHINERY, TRANSPORTATION, HEAT, WATER, UTILITIES, AND ALL OTHER FACILITIES AND SERVICES REQUIRED FOR THE SAFE AND PROPER EXECUTION AND COMPLETION OF THE WORK ALL FINAL COLOR AND FINISH SELECTIONS SHALL BE APPROVED, IN WRITING, BY THE TENANT. IN GENERAL, NEW CONSTRUCTION SHALL MATCH EXISTING AND CONTIGUOUS CONSTRUCTION IN COLOR, FINISH, MANUFACTURER, AND INSTALLATION METHOD.

G.C. SHALL FIELD VERIFY KEY DIMENSIONS AND CONDITIONS PRIOR TO ORDERING NEW MATERIALS, FINISHES, EQUIPMENT AND FIXTURES. THESE CONSTRUCTION DOCUMENTS ARE BASED, IN LARGE PART, ON TENANT-SUPPLIED RECORD CONSTRUCTION DOCUMENTS ('AS BUILTS'). THE ARCHITECT DOES NOT REPRESENT THAT HE HAS FIELD-VERIFIED THE RECORD CONSTRUCTION DOCUMENTS AND HE DOES NOT CERTIFY THEIR ACCURACY.

6. NOT ALL AREAS OF THE PROJECT LOCATION WERE AVAILABLE FOR OBSERVATION AND VERIFICATION AT THE TIME THESE CONSTRUCTION DOCUMENTS WERE PREPARED. CONSEQUENTLY, THE ARCHITECT DOES NOT CERTIFY THEIR ACCURACY, THESE CONSTRUCTION DOCUMENTS SHALL NOT BE REFERENCED AS A LEASE EXHIBIT. 1. GENERAL CONTRACTOR REMAINS SOLELY LIABLE AND RESPONSIBLE FOR THE

VERIFICATION OF ALL EXISTING CONDITIONS, UNIT LOCATIONS AND DIMENSIONS COORDINATING W/. TRADES AND TENANT PRIOR TO CONSTRUCTION DENTIFICATION AND REMOVAL OF ANY AND ALL HAZARDOUS MATERIALS, INCLUDING, BUT NOT LIMITED TO ASBESTOS-LADEN MATERIALS. (NOTIFY TENANT BEFORE REMOVAL, IN WRITING, IF ANY HAZARDOUS MATERIALS ARE DISCOVERED THE VERIFICATION AND MAINTENANCE OF ALL EXISTING SETBACKS, EASEMENTS, AND THE ADEQUACY AND INTEGRITY OF ANY AND ALL STAGING, SCAFFOLDING, SHORING, REINFORCING AND FORM WORK. COORDINATION OF WORKING HOURS, DELIVERIES, TRASH REMOVAL, STORAGE, ETC. ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE INTEGRITY OF THE BUILDING AND IT'S COMPONENT PARTS DURING CONSTRUCTION, COORDINATION OF ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DETAILS AND DIMENSIONS. ANY DISCREPANCIES BETWEEN SUCH DETAILS AND IMENSIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING W/.

ACCESS PANELS WHERE REQUIRED AS PER PLANS, SPECIFICATIONS OR INSTRUCTIONS FINAL CLEAN-UP INCLUDING THE REMOVAL OF ALL DEBRIS LEAVING JOB IN A NEW, BROOM CLEAN CONDITION INCLUDING SERVICE AREAS. CLAIMS FOR CONSEQUENTIAL DAMAGES, THE ARCHITECT AND THE OWNER WAIVE CONSEQUENTIAL DAMAGES FOR CLAIMS, DISPUTES OR OTHER MATTERS IN QUESTION ARISING OUT OF OR RELATING TO THIS PROJECT. THIS MUTUAL WAIVER IS APPLICABLE, WITHOUT LIMITATION, TO ALL CONSEQUENTIAL DAMAGES

CONSTRUCTION NOTES

ANY AND ALL ALTERATIONS TO THE BUILDING ENVELOPE INCLUDING WALL OPENINGS, CONCRETE SLAB WORK, ROOF PENETRATIONS, ETC. SHALL BE APPROVED BY THE LANDLORD AND PERFORMED BY LANDLORD APPROVED CONTRACTOR. NO STRUCTURAL WORK OF ANY KIND (INCLUDING, BUT NOT LIMITED TO: CUTTING, PATCHING, SPLICING, WELDING, OR SUSPENDING MATERIALS OR ITEMS OF CONSTRUCTION FROM EXISTING STRUCTURAL COMPONENTS) SHALL BE UNDERTAKEN BY GENERAL CONTRACTOR OR HIS SUBCONTRACTORS WITHOUT EXPRESS WRITTEN APPROVAL OF LANDLORD.

ALL CUTTING, PATCHING AND MAINTENANCE / REPAIR OF EXISTING ROOF SHALL BE APPROVED BY LANDLORD AND EXECUTED BY LANDLORD'S GENERAL CONTRACTOR TO CONSTRUCTION) AND SHALL MATCH BUILDING STANDARD ROOFING DETAILS.

ANY AND ALL SPRINKLER WORK SHALL BE PERFORMED BY A LICENSED SPRINKLER CONTRACTOR UNDER A SEPARATE SPRINKLER PERMIT. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH F.B.C. (2017). SAID CONTRACTOR TO FURNISH LANDLORD WITH THREE (3) COPIES OF CERTIFIED SPRINKLER CONSTRUCTION DOCUMENTS (INCLUDING SPECIFICATIONS) FOR REVIEW PRIOR TO START OF WORK.

ALL EXISTING STRUCTURAL MEMBERS AND ANY EXTERIOR OPENINGS (ALL EXISTING JOB-SITE CONDITIONS) SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO

ALL NEW INTERIOR CONCRETE SLABS AND FOUNDATION WALLS AND FOOTINGS SHALL HAVE SOIL POISONING UNDER NEW WORK AND SHALL BE INSTALLED BY A LICENSED CONTRACTOR. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND DEPARTMENT OF AGRICULTURE, STRUCTURAL PEST CONTROL DIVISION REGULATIONS, RULES, DEFINITIONS AND REQUIREMENTS.

ALL DIMENSIONAL LUMBER, PLYWOOD, PARTICLE BOARDS, ETC. USED IN CONSTRUCTION SHALL BE FIRE RETARDANT (F.R.T.), U/L CERTIFIED NON- COMBUSTIBLE WHENEVER REQUIRED.ALL NEW INTERIOR CONCRETE SLABS AND FOUNDATION WALLS AND FOOTINGS SHALL HAVE SOIL POISONING UNDER NEW WORK AND SHALL BE INSTALLED BY A LICENSED CONTRACTOR. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND DEPARTMENT OF AGRICULTURE, STRUCTURAL PEST CONTROL DIVISION REGULATIONS, RULES, DEFINITIONS AND REQUIREMENTS.

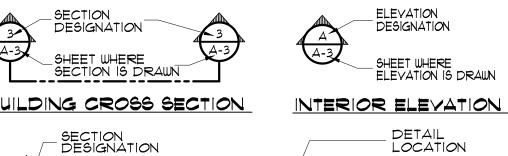
- NO COMBUSTIBLE MATERIALS ARE PERMITTED ABOVE CEILING, INCLUDING F.R.T.
- ALL FIRE RATED WALLS MUST HAVE RATING STENCILED IN A READILY VIEWABLE AREA.
- ALL NEW INTERIOR PARTITIONS SHALL BE CONSTRUCTED OF ONE (1) LAYER 5/8" GYPSUM WALL BOARD (NON-RATED) ON EACH SIDE OF 3-5/8" (20 GAUGE) PUNCHED-CEE, METAL STUD FRAMING AT 16" ON CENTER (MAXIMUM) UNLESS NOTED OTHERWISE (FINISH AND PREPARE FOR PAINT). ALL NEW PARTITIONS SHALL TERMINATE 6' (MINIMUM) ABOVE HIGHEST CONTIGUOUS CEILING ASSEMBLY UNLESS NOTED OTHERWISE. ALL NEW INTERIOR PARTITIONS SHALL BE NON-COMBUSTIBLE.
- ALL PLYWOOD BACKING AND ANY IMPERFECTIONS SHALL BE FILLED AND SANDED SMOOTH TO PROVIDE A CONTINUOUS SMOOTH SURFACE FOR APPLICATION OF FINISH (PAINT OR LAMINATE). L PARTITIONS WITH DOORS TO HAVE NON-COMBUSTIBLE WOOD JACK STUDS AND
- DOOR HARDWARE AT ACCESSIBLE DOORS (INCLUDING EXIT ACCESS DOORS) SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLESS ARE ACCEPTABLE DESIGNS (PER THE 2017 FLORIDA BUILDING CODE). PANIC HARDWARE WILL BE PROVIDED ON EXIT DOORS

DRAWING SYMBOLS

OTHERWISE)

BATT INSULATION

RIGID INSULATION



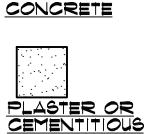
LOCATION SHEET WHERE DETAIL IS DRAWN

SECTION IS DRAWN DETAIL NUMBER

DRAWING SYMBOLS

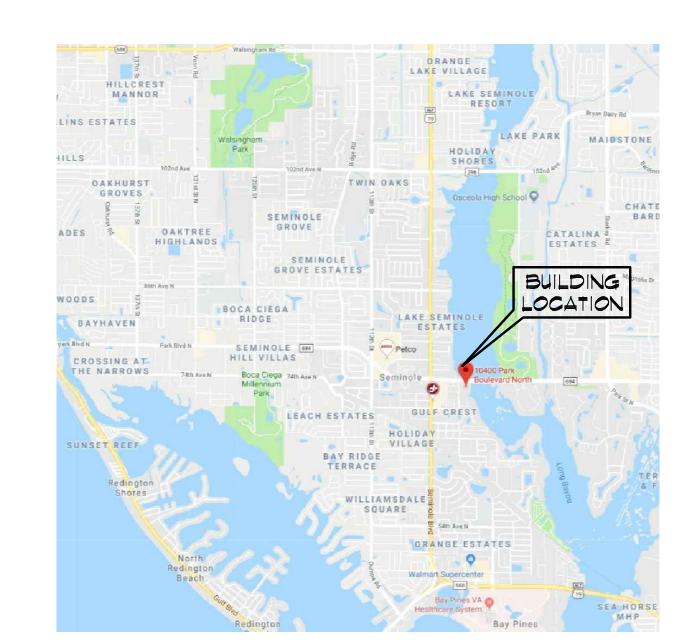








PROJECT no. 19085 Sheet: **A-Ø**







2000年 月16日

SPEC'S & DETAILS

RISER & DETAILS

REVISIONS

PLAN REVIEW DRY-FLOODPROOF DETAILS

P-3

REVISION NUMBER

ownership of instruments of service

ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY THE ARCHITECT AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THE ARCHITECT SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED REGHTS, INCLUDING THE COPYRIGHT THERETO.

Revisions

SHEET

ISSUED FOR:

PERMIT SET

REGISTRATION No. AR 0014577

SEMINOLE PARK R.R.

11-13-2019

PROPERTY OWNER: CITY OF SEMINOLE 1464 RIDGE RD SEMINOLE, FL 33772 TELEPHONE *

CIVIL ENGINEER & SURVEYOR:
DEUEL & ASSOCIATES
565 SOUTH HERCULES AVENUE
CLEARWATER, FL 33764
(727) 822-4151-TEL
(727) 821-7255-FAX

LEGAL DESCRIPTION (AS PROVIDED):

LOTS I THROUGH 6 INCLUSIVE, BLOCK I, LOTS I THROUGH 5 INCLUSIVE. BLOCK 2, LOTS I THROUGH 5 INCLUSIVE, BLOCK 3, LOTS I THROUGH 5 INCLUSIVE, BLOCK 4, LOTS I THROUGH 6 INCLUSIVE, BLOCK 5, LOTS I THROUGH 6 INCLUSIVE, BLOCK 6, LOTS I THROUGH 6 INCLUSIVE, BLOCK 7, LOTS I THROUGH 6 INCLUSIVE, BLOCK 8, LOTS I THROUGH 5 INCLUSIVE, BLOCK 9, LOTS I THROUGH 4 INCLUSIVE, BLOCK 10, LOTS I THROUGH 6 INCLUSIVE, BLOCK 11, LOTS I THROUGH 6 INCLUSIVE, BLOCK 12, AND TRACT A, LOFTS ON THE PARK, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 121, PAGES 21 THROUGH 30, INCLUSIVE, PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA.

BEING MORE CONCISELY DESCRIBED AS:

BEGIN AT THE NORTHWEST CORNER OF SAID PLAT OF LOFTS ON THE PARK! THENCE ALONG THE NORTH LINE OF SAID PLAT, \$87:33'46'E, 466.88 FEET, TO THE EASTERLY LINE OF SAID PLAT! THENCE ALONG SAID EASTERLY LINE THE FOLLOWING FOUR (4) COURSES: 1) SO1701'II'W, 54.95 FEET: 2) S15:720'31'E, 231.10 FEET! 3) S87:33'46'E, 119.35 FEET! 4) SO1712'44'W, 334.05 FEET, TO THE SOUTH LINE OF SAID PLAT! THENCE ALONG SAID SOUTH LINE, N87:716'00'W, 648.27 FEET, TO THE WEST LINE OF SAID PLAT! THENCE ALONG SAID WEST LINE, N00:749'36'E, 605.86 FEET, TO THE POINT OF BEGINNING. CONTAINING 8.06 ACRES, MORE OR LESS.

FLOOD ZONE: ZONE AE (EL. 10)

MAP PANEL ID: 12103C0183G

REVISED MAP: 9-3-03

PROJECT SUMMARY & SITE DATA:

TOTAL BUILDING/PAVILLION/GAZEBO AREA

TOTAL BUILDING (GFA)

TOTAL ASPHALT/CONC.

TOTAL IMPERVIOUS AREA

TOTAL POND AREA

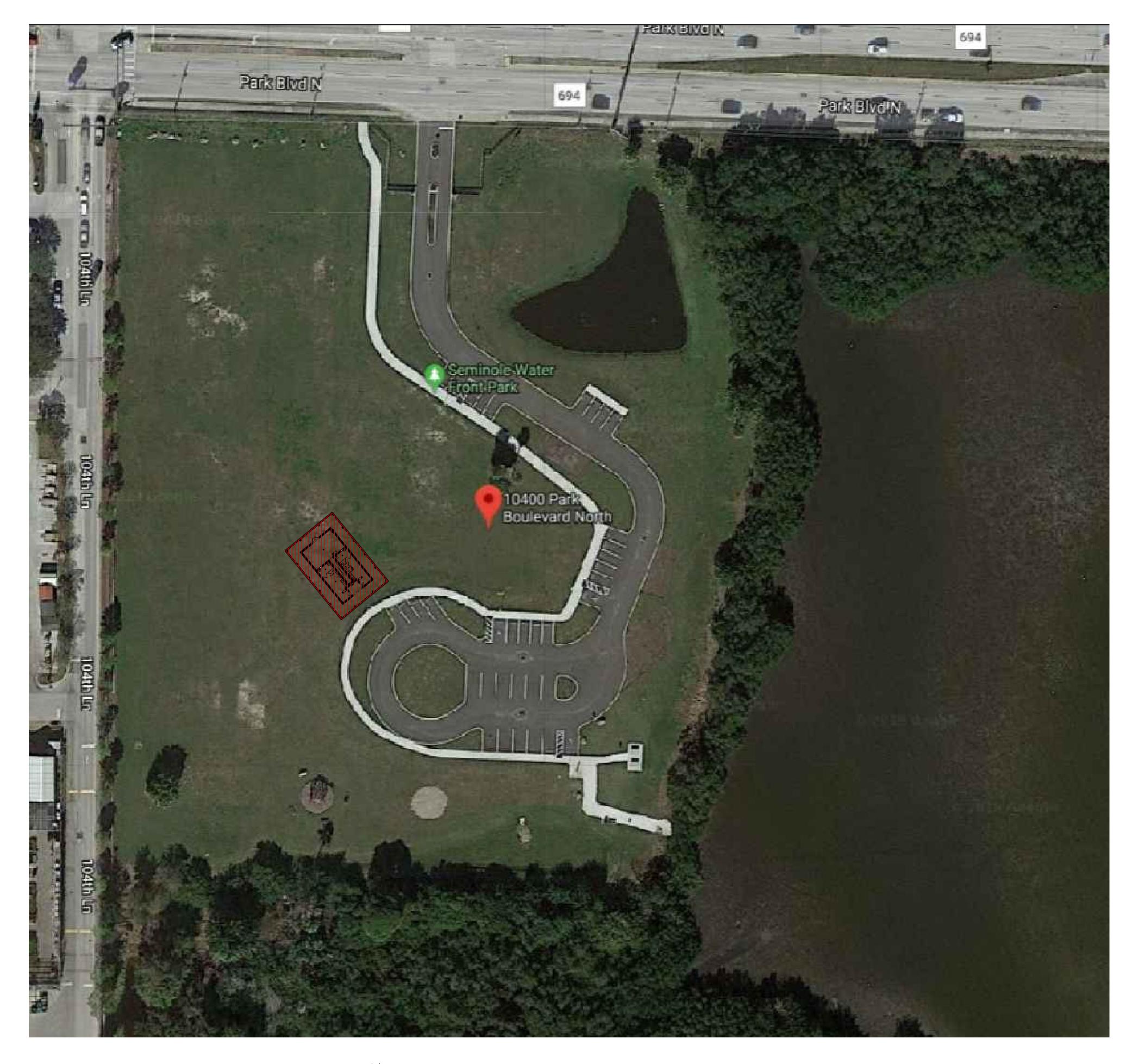
TOTAL GREEN AREA

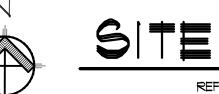
TOTAL PROJECT AREA PROPOSED Ø SF(Ø%) 6,618 SF(1.9%) ØSF 6,618 SF 39,613 SF 11.3%) 92,779 SF (26.4%) 99,397 SF (28.3%) 39,613 SF (11.3%) 23,314 SF (6.6%) 23,314 SF (6.6%) 288,259 SF (82.1%) 228,475 SF (65.1%) 351,186 SF (8.06 AC)

PROPOSED USE: PUBLIC PARK ZONING: RPD

LAND USE: RPD

<u>PIN:</u> 27/30/15/80141/001/0010

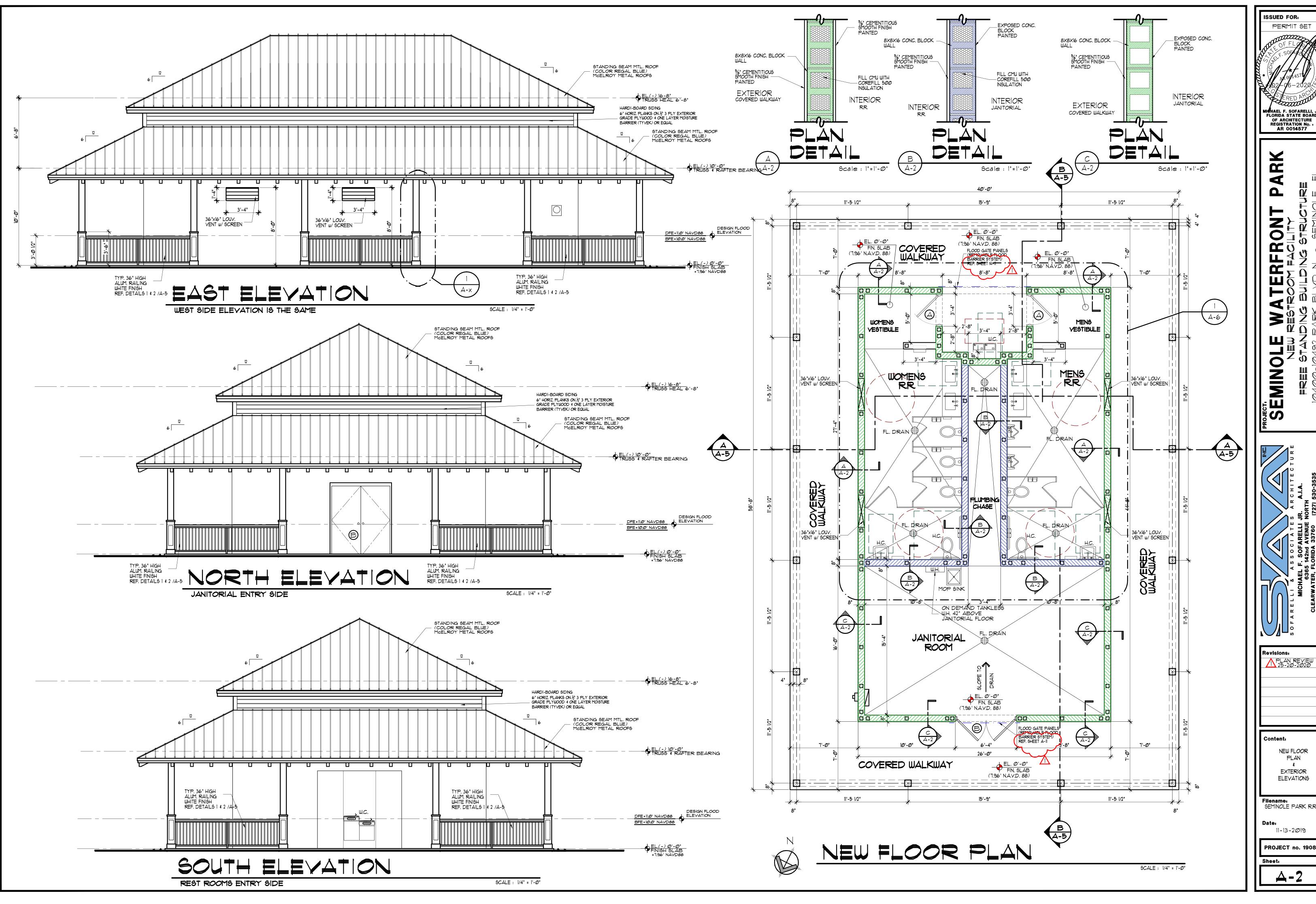






ISSUED FOR: PERMIT SET MICHAEL F. SOFARELLI, JR. FLORIDA STATE BOARD OF ARCHITECTURE REGISTRATION No. :
AR 0014577

Filename: SEMINOLE PARK R.R.

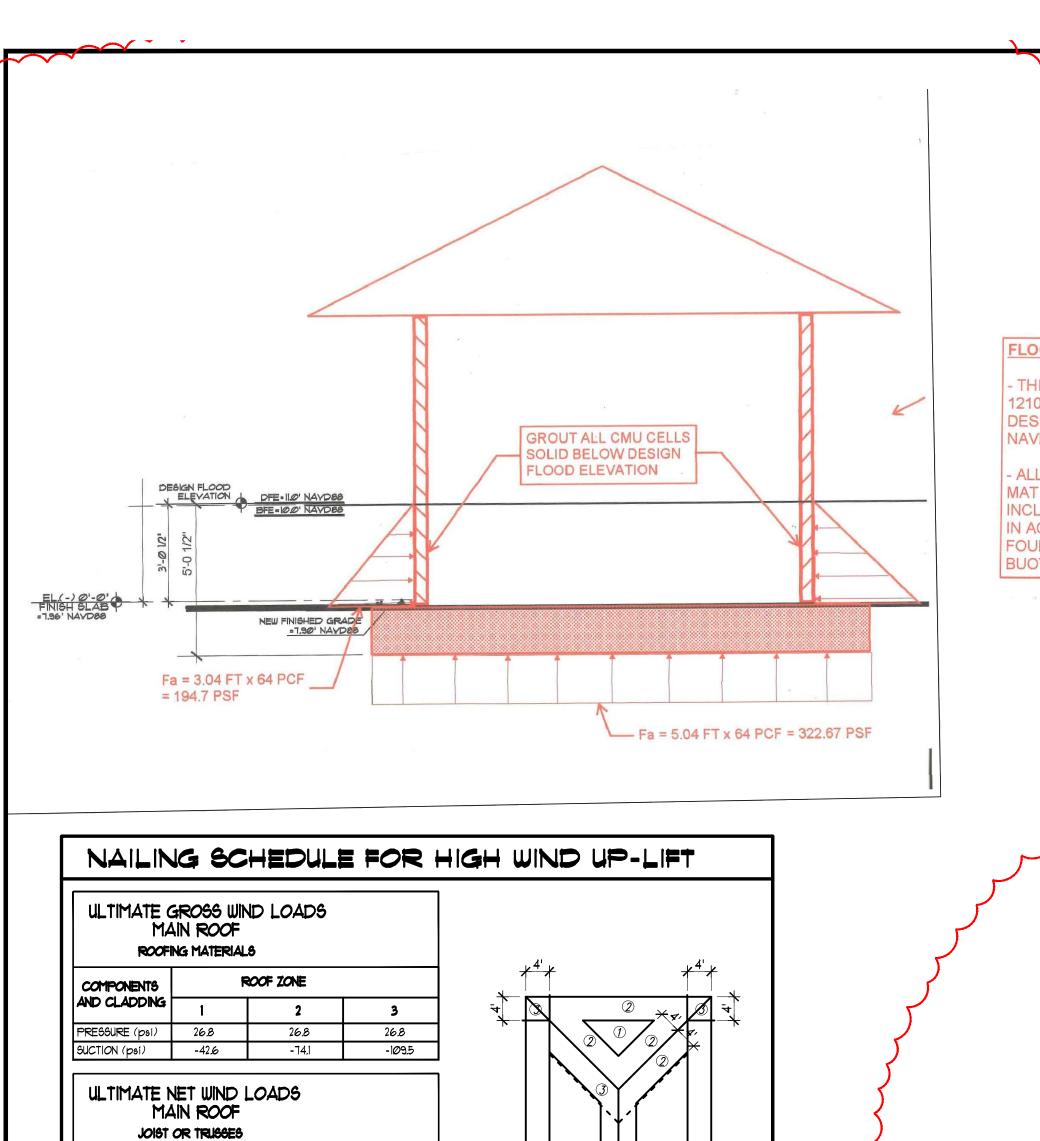


PERMIT SET

NEW FLOOR EXTERIOR ELEVATIONS

Filename: SEMINOLE PARK R.R.

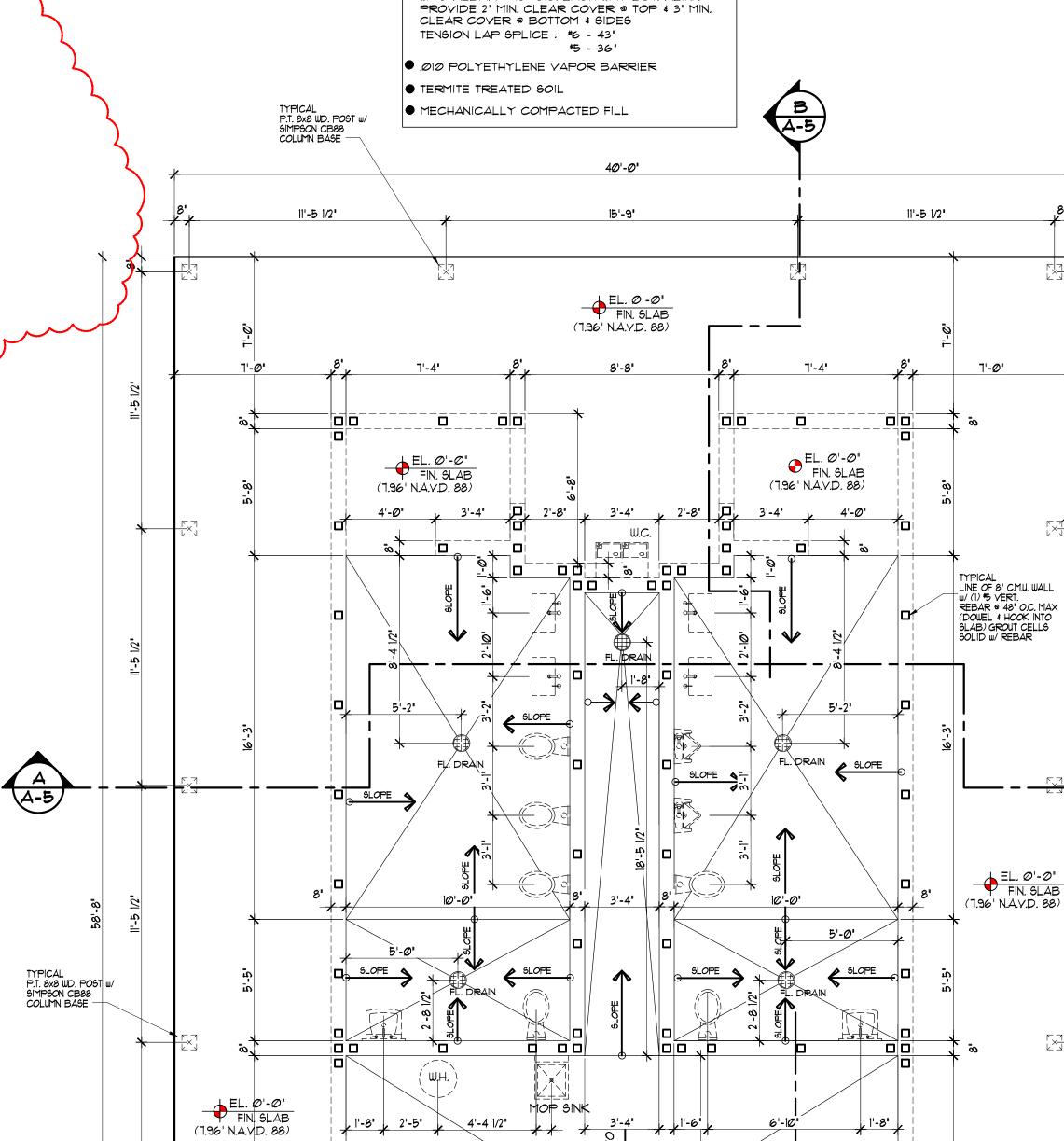
11-13-2019 PROJECT no. 1908



FLOOD ELEVATION ANALYSIS

THIS BUILDING IS LOCATED IN AN AREA INDENTIFIED BY FEMA FLOOD MAP 12103C0183G TO BE NONCOASTAL ZONE AE (EL 10 FT). STRUCTURE IS DESIGNED AS DRY FLOODPROOFED WITH A DESIGN FLOOD ELEVATION 11FEET NAVD88 (BFE 10FT PLUS 1 FEET OF FREEBOARD)

ALL PERIMETER WALLS BELOW ELEVATION 11 FEET AND THE FOUNDATION NCLUDING THE FLOOD LOAD IN ADDITION TO THE BASIC LOAD COMBINATIONS N ACCORDANCE WITH ASCE 7-10. THE SELF WEIGHT OF THE MAT FOUNDATION AND THE STRUCTURE HAS BEEN DESIGNED TO RESIST THE BUOYANCY RESULTING FROM 5 FEET OF FLOOD WATER.



TYPICAL CONC. SLAB

ELEV @ 0'-0' (7.96' N.A.V.D. 88)

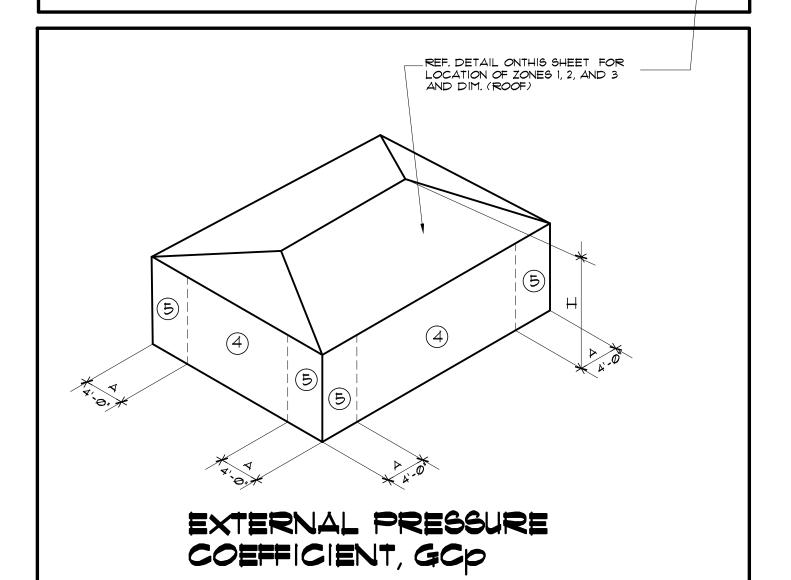
● 24" 3000 PSI CONC. MAT SLAB W/FIBERMESH W/ *6 REBAR @ 12" O.C. EACH WAY TOP REINF. W/ #5 REBAR @ 16" O.C. EACH WAY BOT. REINF.

MAIN ROOF JOIST OR TRUSSES			
COMPONENTS AND CLADDING	ROOF ZONE		
	1	2	3
PRESSURE (psi)	18.9	18.9	18.9
SUCTION (psi)	-38.6	-54.4	-85.4

ULTIMATE NET WIND LOADS OVERHANGS AND CANOPIES

SOID OF IMAGES			
COMPONENTS	ROOF ZONE		
AND CLADDING	1	2	3
PRESSURE (psi)	18.9	18.9	18.9
SUCTION (psi)	-80.4	-96.2	-127.7

ROOF SHEATHING FASTENING SCHEDULE FOR HIGH WIND UPLIFT					
REGION	NAILS	PANEL LOCATION	ZONE 1	ZONE 2	ZONE 3
	8d COMMON	PANEL EDGES*	6' O.C.	6" O.C.	4" O.C.**
HIGH WIND UPLIFT		PANEL FIELD	6' O.C.	6" O.C.	6" O.C.**
* EDGE SPACING ALSO APPLIES OVER ROOF FRAMING AT GABLE ENG WALLS ** USE 8d RING SHANK NAILS IN THIS ZONE IF MEAN ROOF HEIGHT IS GREATER THAN 25'					



ULTIMATE NET WIND LOADS WIND PRESSURES (PSF) EXTERIOR DOORS, WINDOWS, WALLS

EFFECTIVE	ZONE 4		ZONE 5		
AREA (SQ. FT.)	PRESSURE	SUCTION	PRESSURE	SUCTION	
1 TO 2Ø	46.5	-50.4	46.5	-62.3	
21 TO 50	44.1	-48.1	44.1	-57.9	
51 TO 100	41.8	-45.7	41.8	-52.4	
101 TO 150	39.4	-43.3	39.4	-48.4	
151 TO 25Ø	38.2	-42.2	38.2	-45.7	
251 TO 500	36.6	-40.6	36.6	-42.9	
501 TO ABOVE	34.7	-38.6	34.7	-38.6	

.

MINIM SOIL BEARING PRESSURE CAPACITY OF 2000 PSF

ALL SOIL IS TO BE CLEAN & POISONED FOR TERMITES PER FBC 201 SECTIONS 10426, 1042.7, 1403.16, 1503.4.4, 1816, 1916.7.5, 2303.1.4, \$ 2304

TERMITE PROTECTION-PLANS MUST SPECIFY TYPE OF TERMITE TREATMENT

SOIL CHEMICAL BARRIER METHOD OTHER TREATMENT-MUST SPECIFY PROPOSED METHOD AND SUBMIT DOCUMENTATION, WHICH SUBSTANTIATES THE PROPOSED METHOD, IS AN APPROVED TERMITE PROTECTION SYSTEM OR METHOD IF CHEMICAL SOIL TERMITE TREATMENT IS USED

AND NEED FOR RE-INSPEDTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL! 2) FBC 1503.4.4 - CONDENSTE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST

1) FBC 10426 - "A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER

1'-0' AWAY FROM THE BUILDING SIDE WALLS. 3) FBC 1503.4.4 - IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0' OF THE BUILDING SIDE WALL.
4) FBC 1403.16 - TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES. EXCEPTION: PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8"

THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. 5) FBC 1816.1.1 - INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE.

6) FBC 1816.12 - SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RELOCATED

INCLUDING SPACES BOXED OR FORMED.

1) FBC 1816.1.3 - BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A

SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. B) FBC 1816.1.4 - MINIMUM 6 MIL VAPOR RETARDED MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT

RETREATMENT IS REQUIRED. 9) FBC 1816.15 - CONCRETE OVERPOUR AND MORTAR ALON THE FOUNDATION PERIMETER

MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. 10) FBC 1816.16 - SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITH 1'-0' OF THE STRUCTURAL SIDEWALLS.

1) FBC 1816.16 - AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE, INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED

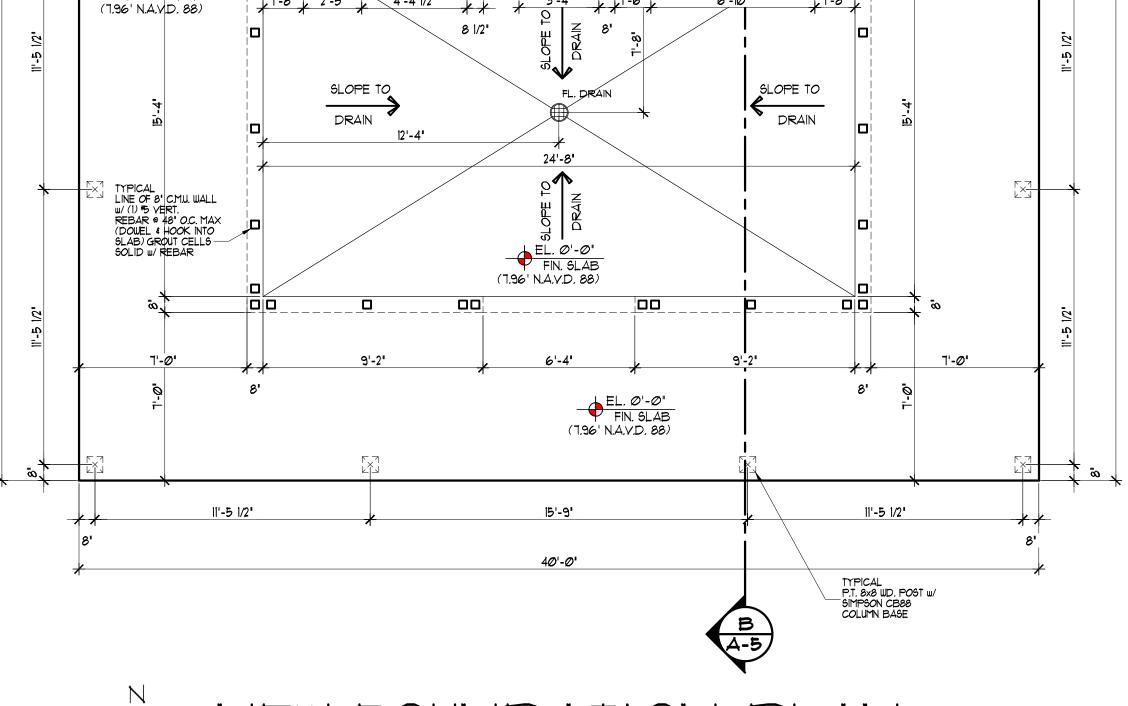
AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. 12) FBC 1816.1.1 - ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. 13) FBC 1816.1.7 - A CERTIFICATE OF COMPLIANCE MUST BE 189UED TO THE BUILD DEPARTMENT BY

THE LICENCED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECIEVED A COMPLETE TREATMENT FOR THE PREVENTION OF THE SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITHT HE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE

AND CONSUMER SERVICES. 14) FBC 2303.13 - AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITH-IN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHARING OR OTHER CELLULOSE CONTAINING MATERIAL.

15. FBC 2303.1.4 - NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRACH, ETC., SHALL BE BURIED WITHIN 15'-0' OF ANY BUILDING OR PROPOSED BUILDING.

SOIL IS TO BE COMPACTED TO 95% MODIFIED PROCTOR AS DEFINED BY ASTM D 1557-91





SCALE : 1/4" = 1'-0"

ISSUED FOR: PERMIT SET FLORIDA STATE BOARD
OF ARCHITECTURE
REGISTRATION No.:
AR 0014577

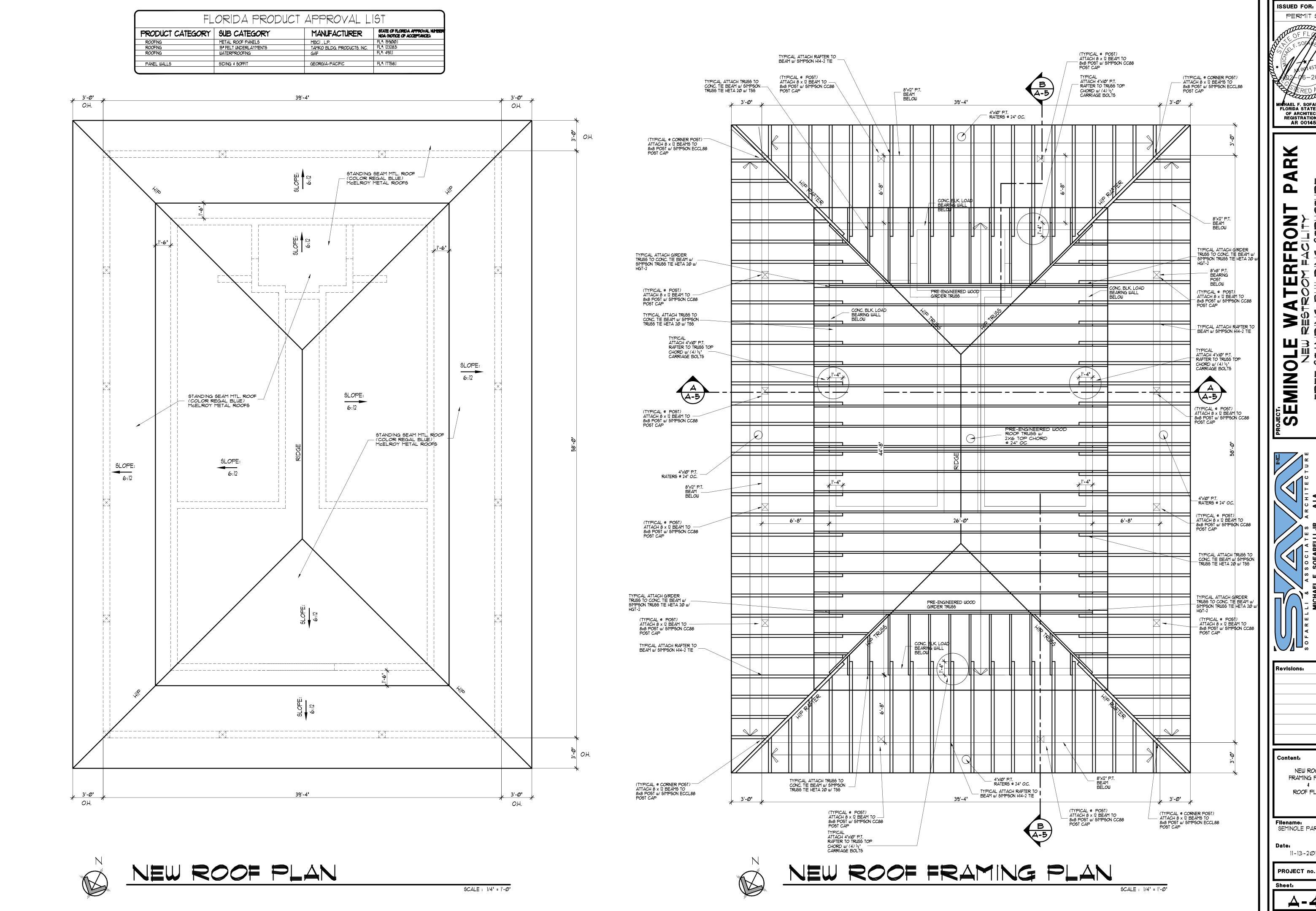
TYPICAL P.T. 8x8 WD. POST w/ SIMPSON CB88 COLUMN BASE

FOUNDATION

Filename: SEMINOLE PARK R.R.

11-13-2019

PROJECT no. 19085



PERMIT SET MICHAEL F. SOFARELLI, JR. FLORIDA STATE BOARD OF ARCHITECTURE REGISTRATION No. 1

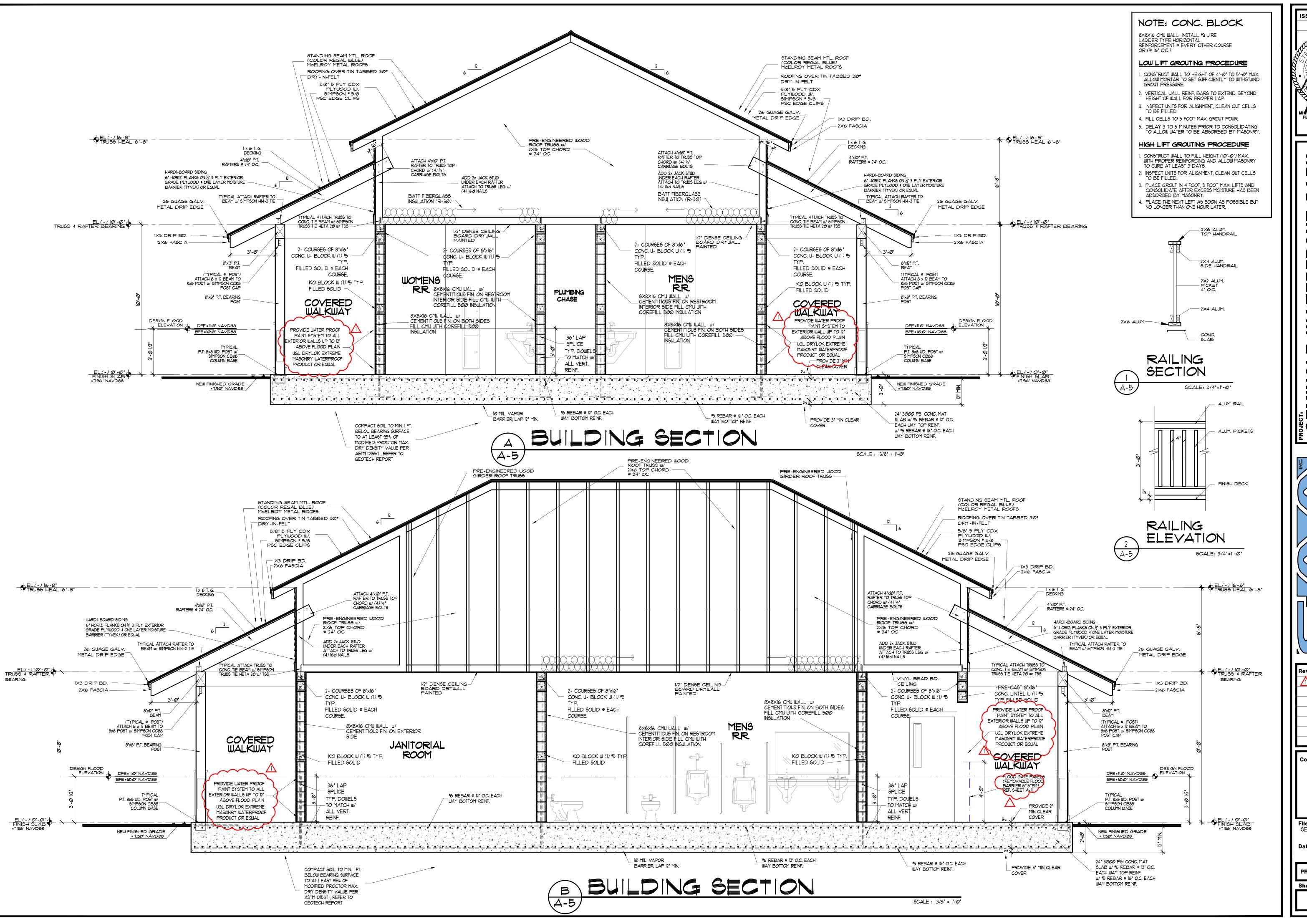
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NEW ROOF FRAMING PLAN ROOF PLAN

Filename: SEMINOLE PARK R.R.

11-13-2019

PROJECT no. 1908



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NEW RESTROOM FACIL
FREE STANDING BUILDING STAND FARK BLYD. N. - 0

SOFARELLI & ASSOCIATES ARCHITECTUI

MICHAEL F. SOFARELLI JR. A.I.A.
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CLEARWATER, FLORIDA 33760 [727] 530-3535

EMAIL sofarell?verizon.net FAX-530-4419

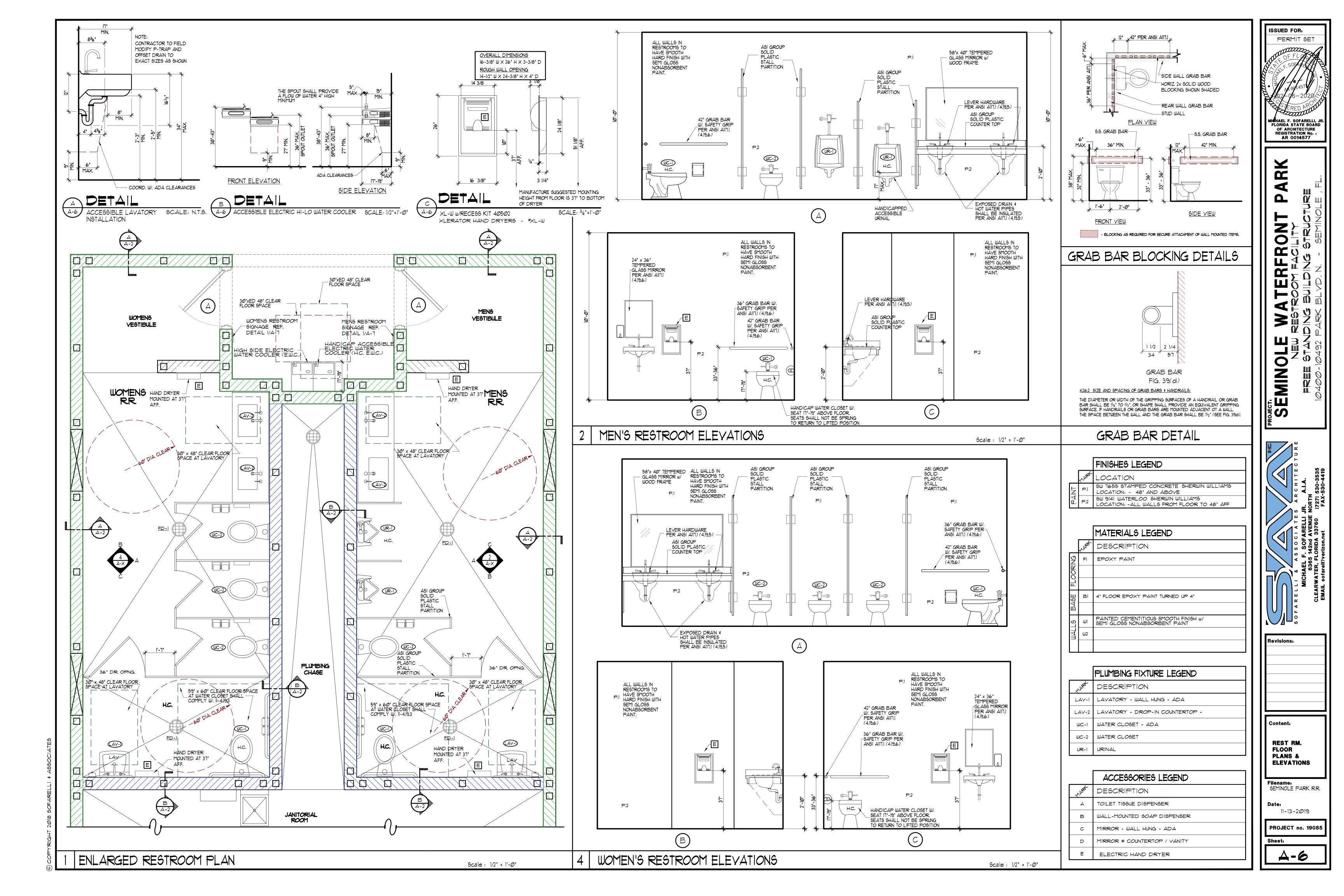
PLAN REVIEW 25-20-2020

NEW BUILDING SECTIONS

Filename: SEMINOLE PARK R.R.

11-13-2019

PROJECT no. 1908



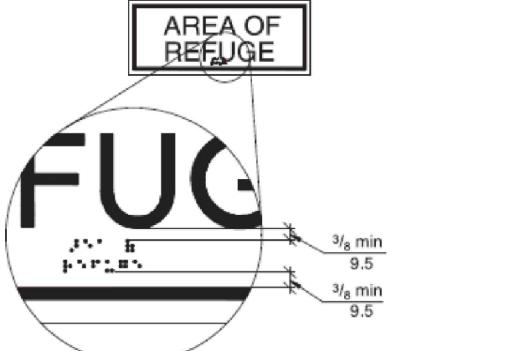


Fig. 703.6.3.1 International Symbol of Accessibility

LO RARY

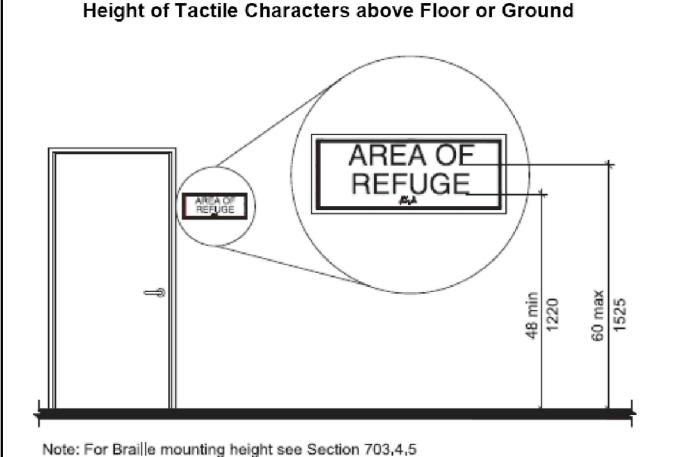


Fig. 703.3.10



RESTROOM SIGNAGE REQUIREMENTS

SIGNAGE SHALL COMPLY W/, ADA AND FLORIDA HANDICAP REQUIREMENTS:

SIGNS SHALL INCLUDE THE FOLLOWING REQUIREMENTS.

- A. RAISED AND BRAILLE CHARACTERS & PICTOGRAMS SHALL COMPLY WITH 2010 FBC ACCESSIBILITY 703. B. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH.
- C. CHARACTERS & SYMBOLS SHALL CONTRAST W/. THEIR BACKGROUND.
- D. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A MINIMUM CHARACTER HEIGHT THAT SHALL COMPLY WITH TABLE 103.5.5 E. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AND POSITIONED ACCORDING TO 2017 ADA STANDARDS.
- F. VISUAL CHARACTERS SHALL BE 40" MINIMUM ABOVE THE FINISHED FLOOR, 703.5.6
- G. TACTILE CHARACTERS ON SIGN SHALL BE 48" MINIMUM ABOVE THE FINISHED FLOOR AND 60" MAXIMUM 703.4.1.

. PROVIDE SIGNS AT THE RESTROOM ENTRANCES.

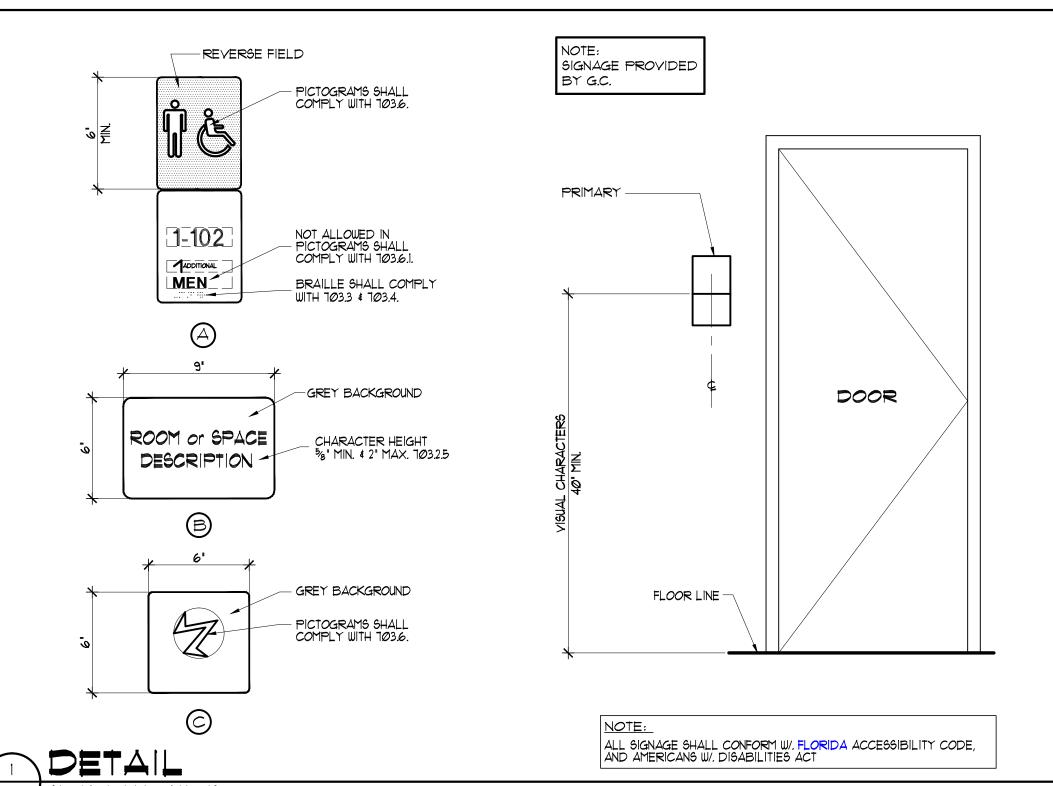


TABLE 703.2.4 - VISUAL CHARACTER HEIGHT

HEIGHT ABY, FLOOR TO BASELINE CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES (1015 mm) TO	LESS THAN 6 FEET (1830 mm)	⁵ %" (16 mm)
LESS THAN OR EQUAL TO 70 INCHES (1780 mm)	6 FEET (1830 mm) AND GREATER	⁵ g"(16 mm), PLUS ¹ g"(3.2 mm) PER FOOT(305 mm) OF VIEWING DISTANCE ABV. 6 FEET(1830 mm)
GREATER THAN 70 INCHES (1780 mm)	LESS THAN 15 FEET (4570 mm)	2'(51 mm)
TO LESS THAN OR EQUAL TO 120 INCHES (3050 mm)	15 FEET (4570 mm) AND GREATER	2" (51 mm), PLUS 1/2" (3.2 mm) PER FOOT (305 mm) OF VIEWING DISTANCE ABV. 15 FEET (4570 mm)
CREATER THAN 120 INCHES	LESS THAN 21 FEET (6400 mm)	3"(T5 mm)
GREATER THAN 120 INCHES (3050 mm)	21 FEET (6400 mm) AND GREATER	3" (75 mm), PLUS $\frac{1}{8}$ " (3.2 mm) PER FOOT (305 mm) OF VIEWING DISTANCE ABY. 21 FEET (6400 mm)

TABLE 703.4.3 - BR	AILLE DIMENSIONS
MEASUREMENT RANGE	MINIMUM IN INCHES
	MAXIMUM IN INCHES
	Ø.Ø59 (1.5 mm)
DOT BASE DIAMETER	Ø.Ø63 (1.6 mm)
DISTANCE BETWEEN TWO	<i>Ø.</i> Ø9Ø (2.3 mm)
DOTS I NTHE SAME CELL	Ø. ØØ (2.5 mm)
DISTANCE BETWEEN CORRESPONDING	Ø24I (6.1 mm)
DOTS IN ADJACENT CELLS (MEASURED TO CENTER)	Ø.3ØØ (7.6 mm)
DOT HEIGHT	Ø.Ø25 (Ø.6 mm)
DOT HEIGHT	Ø.Ø.3 (Ø.9 mm)
DISTANCE BETWEEN CORRESPONDING DOTS	Ø.395 (1Ø.Ø mm)
FROM ONE CELL DIRECTLY BELOW (MEASURED CENTER TO CENTER)	Ø.400 (10.2 mm)

GENERAL NOTES

- GRAB BARS SHALL BE 33" HIGH, & SHALL WITHSTAND A LOAD OF 300 Ib. WITHOUT PERMANENT DEFLECTION. GRAB BAR TO BE 1-1/2" IN DIAMETER & CONTINUOUS WITH 1-1/2" CLEARANCE FROM THE WALL & CENTER SUPPORT. GRAB BARS SHALL BE INSTALLED PARALLEL WITH THE FLOOR AND SHALL CONFORM TO THE DIMENSIONS SHOWN HEREIN.
- . IF ONE HANDICAPPED TOILET IS PROVIDED ITS HEIGHT MAY BE WITHIN THE RANGE OF 19"-20". IF MORE THAN ONE TOILET IS PROVIDED IT SHALL BE AT 20" HEIGHT.
- . WHENEYER MORE THAN (1) WATER FOUNTAIN 16 PROVIDED, AT LEAST ONE PER FLOOR, SHALL MEET FLORIDA BARRIER FREE REGULATIONS.
- 4. AT LEAST (1) MIRROR SHALL BE MOUNTED NO HIGHER THAN 40' FROM THE FLOOR OR THE MIRROR SHALL BE TILTED FOR VISIBILITY.
- 5. ALL DISPENSING MACHINES SHALL BE NO MORE THAN 40' FROM FINISHED FLOOR.
- 5. PROVIDE A 5'X5' TURNING RADIUS WITHIN THE TOILET ROOM.
- . INCLUDE A FLUSHING MECHANISM OTHER THAN FOOT OPERATED.
- 3. EACH BARRIER FREE TOILET ROOM SHALL HAVE AT LEAST (1) LAVATORY W/. A NARROW APRON MOUNTED 29' FROM FINISHED FLOOR TO BOTTOM OF APRON. CONTROLS SHALL BE A MAXIMUM 20' FROM THE FRONT EDGE OF THE VANITY. FROM FLOOR TO LAVATORY RIM SHALL BE 33" HIGH. FAUCETS SHALL HAVE LEVER TYPE HANDLES NO SELF CLOSING. FAUCETS. LAVATORY DRAIN PIPES SHALL BE INSULATED TO PREVENT BURNING.

AMERICANS W/. DISABILITIES ACT NOTES

ALLOWABLE REACH PER 2017 A.D.A. GUIDELINES SECTION 308:

- (A) FORWARD
 THE MAXIMUM HIGH FORWARD REACH IS 48"
 THE MAXIMUM LOW FORWARD REACH IS 15"
- THE MAXIMUM HIGH SIDE REACH IS 48"

OPERABLE PARTS PER 2017 A.D.A. GUIDELINES SECTION 309:

- OPERABLE PARTS SHALL COMPLY W/. 309. 309.2 CLEAR FLOOR SPACE

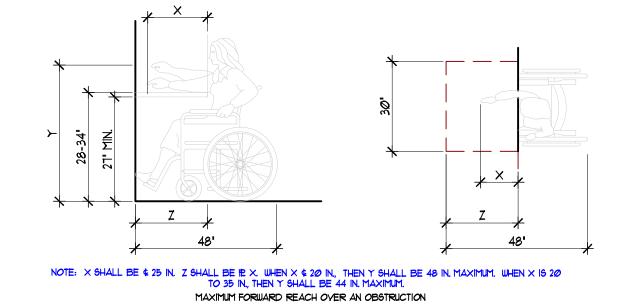
THE MAXIMUM LOW SIDE REACH IS 15"

- A CLEAR FLOOR OR GROUND SPACE COMPLYING W/. 305 SHALL BE PROVIDED.
- OPERABLE PARTS SHALL BE OPERABLE W/. ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM.
- GAS PUMP NOZZLES SHALL NOT BE REQUIRED TO PROVIDE OPERABLE PARTS THAT HAVE AN ACTIVATING FORCE OF 5 POUNDS (22.2 N) MAXIMUM.

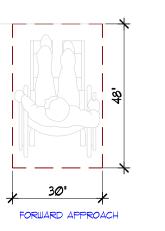
OPERABLE PARTS PER 2017 A.D.A. GUIDELINES SECTION 205:

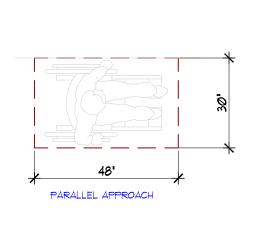
OPERABLE PARTS SHALL BE PLACED W/.IN ONE OR MORE OF THE REACH RANGES SPECIFIED IN 308

- OPERABLE PARTS ON ACCESSIBLE ELEMENTS, ACCESSIBLE ROUTES, AND IN ACCESSIBLE ROOMS SHALL COMPLY W/. 309.
- OPERABLE PARTS THAT ARE INTENDED FOR USE ONLY BY SERVICE OR MAINTENANCE PERSONNEL SHALL NOT BE REQUIRED TO COMPLY W/. 309
 ELECTRICAL OR COMMUNICATION RECEPTACLES SERVING A DEDICATED USE SHALL NOT BE REQUIRED TO COMPLY W/. 309.



CLEAR FLOOR SPACE



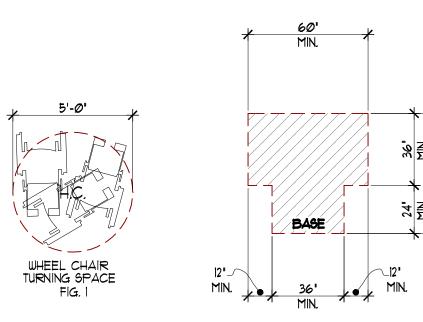


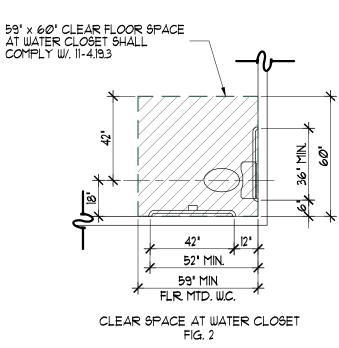
DETAIL

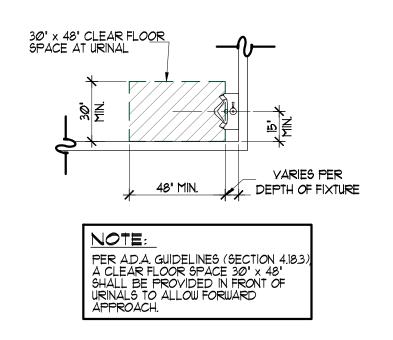
A-1 FORWARD REACH & CLEAR FLOOR SPACE (CH. 03, SECTIONS 305, 308)

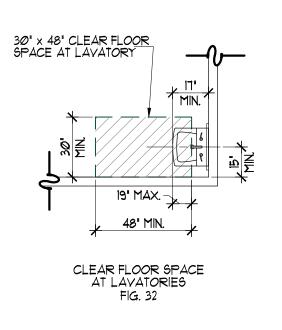
SCALE: 3/8" = 1'-0"

SCALE: N.T.S.



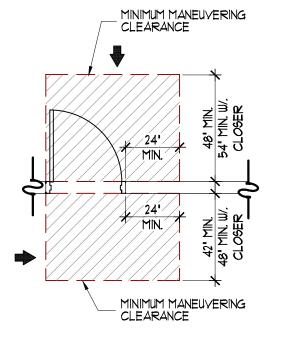




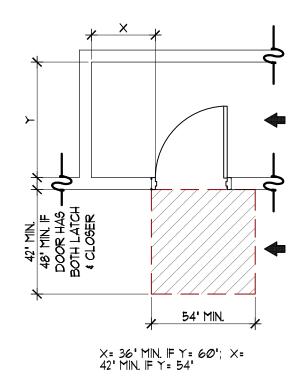


CLEARANCE AREAS

_ SIGNAGE SHALL COMPLY WITH 703.4.2. CENTER ON TACTILE -CHARACTERS

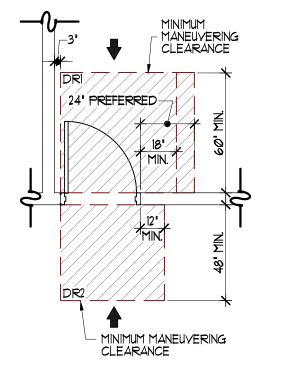


LATCH SIDE APPROACH FIG. 25(c)



HINGE SIDE APPROACH

FIG. 25(b)



FRONT APPROACH FIG. 25(a)

Scale: N.T.S.

DETAILS &

SEMINOLE PARK R.R.

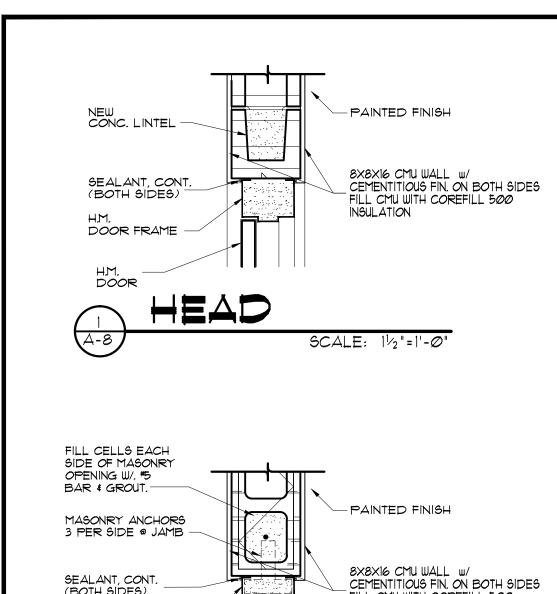
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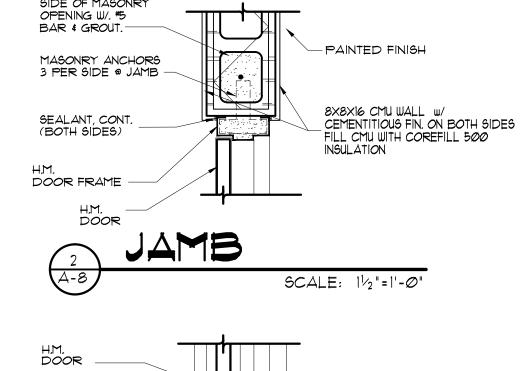
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AR 0014577

PROJECT no. 1908





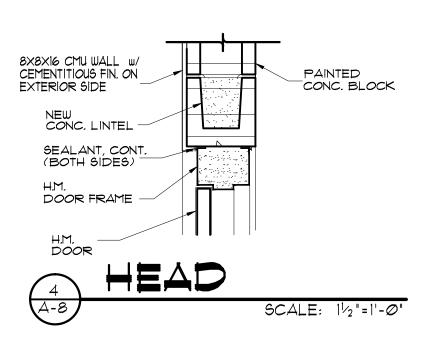
- CONC. SLAB

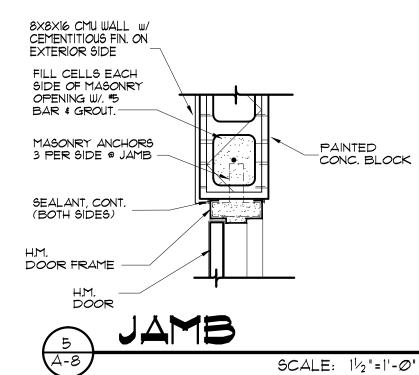
FLOOR FINISH

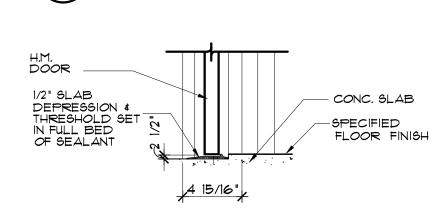


1/2" SLAB

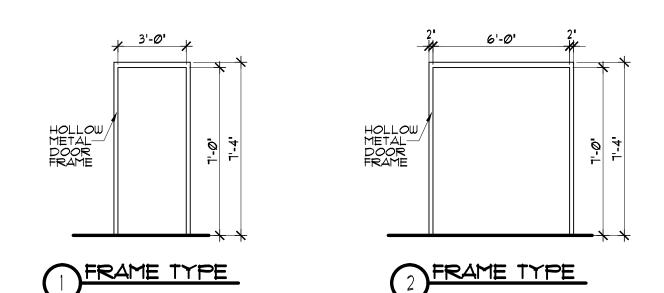
DEPRESSION &
THRESHOLD SET THR



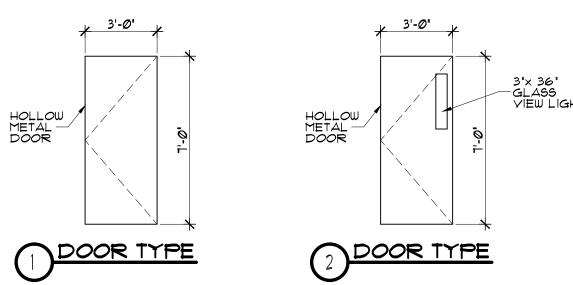




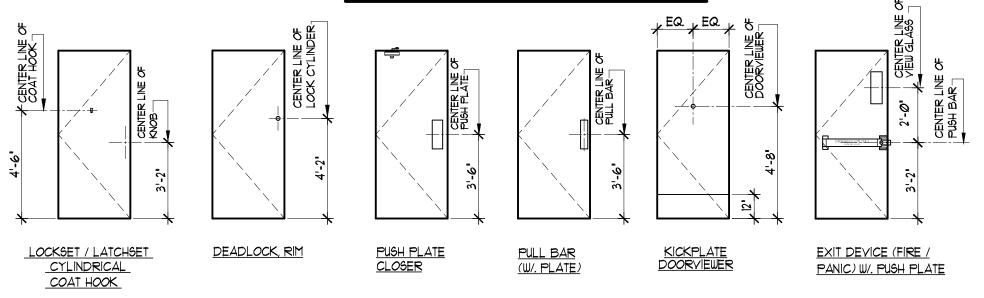




DOOR - FRAMES



DOOR - TYPES



TYPICAL DOOR HARDWARE LOCATIONS

FLORIDA PRODUCT APPROVALS									
DESCRIPTION / PRODUCT	APPROVAL NO.								
EXTERIOR METAL DOORS	ALLEGION TRUDOOR	FL# 13884.1 OR FL# 14237							

	DOOR SCHEDULE															
OPENING MARK	Į.	DOOR		DOOR FRAME			DE.	TAIL SHT. A	No. 4-12			, WARE	REMARKS			
$ \bigcirc $	SIZE	TYPE	MTRL	FINISH	GLAZE	TYPE	MTRL	FINISH	GLAZE	l		SILL	THR.	NOTES	HART NO.	REMARKS
Д	3-0x7-0x1 ³ 4	2	HM	PAINT		1	HM	PAINT		1	2	3			<u>IV</u>	
m	(2)-3-Øx7-Øxl ³ ⁄4	1	\prod	PAINT		2	\sum_{i}	PAINT		4	5	6			<u>II</u>	

DOOR SCHEDULE LEGEND

MTL - METAL THRESHOLD

TYPE III

PF - PRE-FINISHED P/L - PRIVACY LOCK

ST/FR - STORE FRONT TRAN. - TRANSOM P/P - PUSH PULL PLATE WD - WOOD THRESHOLD

NOTE #2 DOORS TO HAVE LEVER HANDLE HARDWARE WHERE HANDLE HARDWARE APPLIES NOTE #3 ANY WINDOW LESS THAN 48" FROM A DOOR SHALL HAVE TEMPERED GLASS NOTE #4: ALL DOORS AND FRAMES TO BE PAINTED - VERIFY PAINT SELECTION W/. OWNER

HARDWARE SCHEDULE

D.B. - DEAD BOLT

TYPE [

SCALE: 1/4" = 1'-0"

• ONE (1) EACH ENTRANCE LOCK JUPITER #625 - BY SCHLAGE OR BY ROYAL OR EQUAL

• ONE (1) DOOR STOP

TYPE [

• ONE (1) EACH ENTRANCE LOCK JUPITER #625 - BY SCHLAGE OR EQUAL

• ONE (1) DOOR STOP

• THREE (3) EACH - HINGE #1279 41/2 "x41/2 US26 HAGER OR EQUAL

• ONE (1) CLOSURE DEVICE

TYPE <u>Iy</u>

OR EQUAL

TYPE $\overline{\vee}$

ONE (1) EACH
ENTRANCE LOCK
JUPITER #625

ONE (1) EACH • ONE (1) EACH ENTRANCE LOCK PUSH PLATE / JUPITER #625 PULL BAR - BY SCHLAGE B660P DEADBOL #625 FINISH OR EQUAL - BY SCHLAGE • ONE (1) DOOR

STOP ONE (1) DOOR • THREE (3) EACH - HINGE STOP BB#1279 41/2 "x41/2" ONE (1) CLOSURE US26 HAGER DEVICE

 ONE (1) CLOSURE DEVICE KICK DOWN STOF

OR EQUAL

DEVICE KICK PLATES

> - BY SCHLAGE OR BY ROYAL OR EQUAL

• ONE (1) DOOR STOP

• THREE (3) EACH - HINGE BB#1279 41/2 "x41/2" US26 HAGER OR EQUAL

TYPE <u>VI</u>

• ONE (1) EACH ENTRANCE LOCK JUPITER #625 - BY SCHLAGE OR EQUAL

• ONE (1) DOOR STOP

• THREE (3) EACH - HINGE #1279 41/2 "x41/2 US26 HAGER

OR EQUAL ONE (1) CLOSURE DEVICE

TYPE VII

• ONE (1) EACH ENTRANCE LOCK JUPITER #625 - BY SCHLAGE

OR EQUAL • THREE (3) EACH - HINGE #1279 41/2"x41/2" US26 HAGER

OR EQUAL

DOOR NOTES

1. ALL DOOR HARDWARE TO BE LEVER TYPE AS PER ACCESSIBILITY CODES AND APPROVED BY OWNER.

2. ALL DOORS THAT ARE EQUIPPED WITH CLOSER ARE TO BE PER FLORIDA ACCESSIBILITY CODES.

3. ACCESS TO EXITS SHALL BE MARKED BY APPROVED READILY VISIBLE SIGNS PER LIFE SAFETY CODES.

4. EMERGENCY LIGHTING FIXTURES SHALL BE INSTALLED AND ARRANGED SO THAT THE PATH OF TRAVEL IS ILLUMINATED

5. LOCKING DEVICES ON EXIT DOORS SHALL BE DIRECT ACTING REQUIRING NO MORE THAN A SINGLE MOTION PER LIFE

6. ALL EMERGENCY DOORS TO HAVE SINGLE ACTION PANIC HARDWARE.

8. ALL DOORS TO BE KEYED AS PER OWNER REQUIREMENTS.

BUT LIGHTING DOES NOT SHINE IN THE FACE OF PERSONS APPROACHING THE EXIT.

SAFETY CODES. (NFPA 101, 7.2.1.5.3)

1. LOCKING DEVICES ON EXIT DOORS SHALL NOT REQUIRE THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT, FROM INSIDE THE BUILDING. DOUBLE KEYED CYLINDER LOCKS ARE PROHIBITED. (NFPA 101, 1.2.1.5.1)

9. ALL EXTERIOR DOORS TO HAVE ALUMINUM A.D.A. APPROVED THRESHOLDS.

10. PROVIDE DOOR STOPS WHERE REQUIRED. ALL EXTERIOR DOORS TO HAVE WEATHER STRIPPING.

II. CONTRACTOR SHALL COORDINATE AND VERIFY ALL TRIM AND HARDWARE W/. OWNER PRIOR TO CONSTRUCTION.

ISSUED FOR:

PERMIT SET

MICHAEL F. SOFARELLI, JI FLORIDA STATE BOARD OF ARCHITECTURE REGISTRATION No. . AR 0014577

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DETAILS &

SEMINOLE PARK R.R.

11-13-2019

PROJECT no. 19085

Sheet:

STRUCTURAL GENERAL NOTES

- THE STRUCTURAL SYSTEM IS UNSTABLE UNTIL ALL CONNECTIONS HAVE BEEN MADE AND ALL CONCRETE HAS REACHED ITS MINIMUM DESIGN STRENGTH, AS SHOWN IN THE STRUCTURAL DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION TO ENSURE THE SAFETY OF THE BUILDING UNTIL STRUCTURAL SYSTEM IS COMPLETED. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, SHORING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY, SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE
- CONTRACTOR TO SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS REQUIRED CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION.
- APPLICABLE BUILDING CODE: 6TH EDITION (2017) FLORIDA BUILDING CODE
- GRAVITY DESIGN LOADS:

SUPERIMPOSED LIVE LOAD DEAD LOAD <u>AREA</u> ROOF 20 PSF 25 PSF MAT SLAB 100 PSF N/A

6. WIND DESIGN CRITERIA:

ULTIMATE WIND SPEED: YI = 146 MPH (3 SECOND GUST)

EQUIVALENT NOMINAL BASTC WIND SPEED V_{ASD} = 113 MPH (3 SECOND GUST) RISK CATEGORY = 11

EXPOSURE CATEGORY = C

ENCLOSED BUILDING INTERNAL PRESSURE COEFFICIENT, GCD1= +/-0.18 WIND BORNE DEBRIS REGION

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REFERENCED BUILDING CODE.
- COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.
- 9. CONTACT ENGINEER WITH ANY QUESTIONS OR DISCREPANCIES FOUND ON DRAWINGS.
- 10. BUILDING EXPANSION JOINTS (EJ), WHERE SHOWN, WILL EXPAND AND CONTRACT OVER THE LIFE OF THE BUILDING. JOINT SEALANTS AND COVERS MUST ACCOMMODATE THIS MOVEMENT.
- SECTIONS AND DETAILS ARE REFERENCED IN TYPICAL LOCATIONS BUT ALSO APPLY TO ALL OTHER SIMILAR CONDITIONS
- CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- SUBMIT SHOP DRAWINGS AS REQUIRED HEREIN. ALLOW FOR TWO WEEKS REVIEW TIME AFTER RECEIPT OF SUBMITTALS BY THIS FIRM, ALL SUBMITTALS SHALL BE CHECKED AND SIGNED BY THE GENERAL CONTRACTOR AND SIGNED/SEALED BY THE DELEGATED ENGINEER, WHERE SPECIFIED HEREIN.
- 14. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW THEREOF.
- 15. ANY CHANGES TO THE STRUCTURE SHALL HAVE BEEN REVIEWED AND APPROVED IN WRITING BY THE ENGINEER PRIOR TO COMMENCING WORK ON ITEMS AFFECTED.
- 16. CONTRACTOR SHALL NOTIFY THIS OFFICE WHEN THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETED. AND BEFORE SHEATHING, CEILINGS, OR ROOFING IS INSTALLED.

DELEGATED ENGINEER

- WHERE NOTED HEREIN, A LICENSED PROFESSIONAL (DELEGATED) ENGINEER SHALL BE RETAINED TO DESIGN THE PRODUCT OR ASSEMBLY.
- THE DELEGATED ENGINEER SHALL BE EXPERIENCED IN THE DESIGN OF THE REFERENCED PRODUCT OR ASSEMBLY.
- 3. THE DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE DRAWINGS AND SPECIFICATIONS.
- 4. IT IS THE DELEGATED ENGINEER'S RESPONSIBILITY TO REVIEW THE ENGINEER OF RECORD'S WRITTEN ENGINEERING REQUIREMENTS AND AUTHORIZATION FOR THE DELEGATED ENGINEERING DOCUMENT TO DETERMINE THE APPROPRIATE SCOPE OF ENGINEERING.
- THE DELEGATED ENGINEERING DOCUMENT SHALL COMPLY WITH THE WRITTEN ENGINEERING REQUIREMENTS RECEIVED FROM THE ENGINEER OF RECORD. THEY SHALL INCLUDE THE PROJECT IDENTIFICATION AND THE CRITERIA USED AS A BASIS FOR ITS PREPARATION. IF A DELEGATED ENGINEER DETERMINES THERE ARE DETAILS, FEATURES OR UNANTICIPATED PROJECT LIMITS WHICH CONFLICT WITH THE WRITTEN ENGINEERING REQUIREMENTS PROVIDED BY THE ENGINEER OF RECORD, THE DELEGATED ENGINEER SHALL TIMELY CONTACT THE ENGINEER OF RECORD FOR RESOLUTION OF CONFLICTS.
- 6. THE DELEGATED ENGINEER SHALL FORWARD THE DELEGATED ENGINEERING DOCUMENT TO THE ENGINEER OF RECORD FOR REVIEW. ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AND INCLUDE:
- A) DRAWINGS INTRODUCING ENGINEERING INPUT SUCH AS DEFINING THE CONFIGURATION OR STRUCTURAL CAPACITY OF STRUCTURAL COMPONENTS AND/OR THEIR ASSEMBLY INTO STRUCTURAL SYSTEMS.
- B) CALCULATIONS.

SITE WORK

- A SUBSURFACE INVESTIGATION HAS BEEN COMPLETED AT THE PROJECT SITE BY GULFCOAST TESTING LABORATORY, INC. SOIL BORING LOGS AND SITE PREPARATION PROCEDURES ARE INCLUDED IN THE PROJECT SOILS REPORT, DATED FEBRUARY 15, 2018 WHICH IS AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS.
- SITE WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SOILS REPORT.
- CONTRACTOR SHALL REVIEW THE SOILS REPORT AND VERIFY THAT TEST BORINGS HAVE BEEN DONE UNDER ALL BUILDING(S) PRIOR TO BEGINNING EARTHWORK. INFORMATION FROM GEOTECHNICAL REPORT
- DESIGN SOIL BEARING PRESSURE = 2,500 PSF.
- ESTIMATED MAXIMUM SETTLEMENT = 1 INCH.
- ESTIMATED DIFFERENTIAL SETTLEMENT = 1 INCH.
- A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING MINIMUM TESTS REFER TO SOILS REPORT FOR ANY ADDITIONAL TESTING.
- A) ONE DENSITY TEST FOR EACH 2,000 SQUARE FEET OF COMPACTED SUBGRADE AND COMPACTED FILL.
- ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER. ARCHITECT. STRUCTURAL ENGINEER AND GENERAL CONTRACTOR.
- EXERCISE CARE WHEN COMPACTING NEAR ADJACENT STRUCTURES. FOLLOW THE RECOMMENDATIONS IN THE SOILS REPORT AND DOCUMENT EXISTING CONDITIONS WITH PHOTOGRAPHS PRIOR TO STARTING WORK.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITY LINES, TANKS, ETC WITHIN THE CONSTRUCTION AREA AND RELOCATE THEM AS DIRECTED BY THE CIVIL ENGINEER.

CARPENTRY

- DIMENSIONED LUMBER SHALL BE DRESSED S4S, AND SHALL BEAR THE GRADE STAMP OF THE MANUFACTURER'S ASSOCIATION.
- LUMBER SHALL BE SOUND, SEASONED, AND FREE FROM WARP.
- LUMBER SHALL BE SOUTHERN PINE NO. 2 GRADE OR BETTER± WITH 19% MAXIMUM MOISTURE CONTENT, UNLESS NOTED OTHERWISE ON THE PLANS.
- LUMBER IN CONTACT WITH MASONRY OR CONCRETE OR EXPOSED TO WEATHER, SHALL BE PRESSURE TREATED.
- MINIMUM COATING REQUIREMENTS FOR METAL CONNECTORS AND FASTENERS:
- INTERIOR ZINC GALVANIZED (G90) EXTERIOR -GALVANIZED (G185) OR HOT DIP GALVANIZED (HDG)
- C) EXTERIOR COASTAL AREAS STAINLESS STEEL (TYPE 316L)
- WHEN USING STAINLESS STEEL CONNECTORS, USE STAINLESS STEEL FASTENERS. WHEN USING G185 OR HDG CONNECTORS, USE FASTENERS GALVANIZED PER ASTM A153.
- PLYWOOD SHEATHING SHALL BE DFPA CD WITH EXTERIOR GLUE. ALL ROOF SHEATHING TO BE INSTALLED WITH PLYCLIPS.
- INSTALL BRIDGING IN ALL ROOF JOISTS AT 101/201 O.C. MAXIMUM.
- NAILING AND BOLTING SHALL COMPLY WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION REQUIREMENTS.
- 10. CONNECTION HARDWARE SHALL BE SUPPLIED BY SIMPSON STRONG-TIE CO., INC. OR EQUIVALENT, SUBMIT CUT SHEETS OF ALTERNATIVE CONNECTION HARDWARE TO ENGINEER FOR APPROVAL.
- ROOF SHEATHING SHALL BE 5/8" EXTERIOR GRADE PLYWOOD OR OSB NAILED WITH 10D NAILS AT 4" O.C. AT SUPPORTED EDGES, AND 100 NAILS AT 6" O.C. AT INTERMEDIATE SUPPORTS, PROVIDE ONE PLYWOOD CLIP PER SPAN BETWEEN SHEET EDGES, PROVIDE SOLID 2X BLOCKING BETWEEN SUPPORTS AT ALL HIPS, RIDGES, VALLEYS, AND CHANGES IN ROOF SLOPE. USE RING SHANK NAILS WHERE MEAN ROOF HEIGHT EXCEEDS 25'-0".

PRECAST CONCRETE U-LINTELS AND SILLS

- UNITS SHALL BE FABRICATED BY A FIRM ENGAGED IN THE MANUFACTURING OF PRECAST AND PRE-STRESSED CONCRETE U-LINTELS AND SILLS FOR A MINIMUM OF 5 YEARS. FABRICATOR SHALL HAVE A QUALITY ASSURANCE PROGRAM THAT COMPLIES WITH THE PROCEDURES OF MANUAL 116 BY THE PRECAST/PRE-STRESSED CONCRETE INSTITUTE PCI)
- PLANT RECORDS OF PRODUCTION AND QUALITY CONTROL SHALL BE KEPT IN ACCORDANCE WITH PCI RECOMMENDATIONS AND MADE AVAILABLE UPON REQUEST FOR THE ARCHITECT/ENGINEER.
- CODES AND STANDARDS:
- AMERICAN SOCIETY FOR TESTING AND MATERIALS(ASTM)
- C33 SPECIFICATION FOR CONCRETE AGGREGATES CI50 - SPECIFICATION FOR PORTLAND CEMENT
- PRECAST/PRE-STRESSED CONCRETE INSTITUTE (PCI) STANDARDS: MANUAL FOR QUALITY CONTROL FOR PRECAST AND PRE-STRESSED CONCRETE MNL-116.
- AMERICAN CONCRETE INSTITUTE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)
- AMERICAN CONCRETE INSTITUTE: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI
- CONCRETE MATERIALS:
 - PORTLAND CEMENT: ASTM C150 TYPE | OR III, GRAY COLOR
 - AGGREGATES: ASTM C33
 - WATER: POTABLE
 - ADMIXTURES: SHALL NOT CONTAIN CALCIUM CHLORIDE OR CHLORIDE IONS
- REINFORCING
- DEFORMED REINFORCEMENT: ASTM A615 GRADE 40 OR 60. PRE-STRESSING STRAND: ASTM A416 270 KSI LL.
- 6. U-LINTEL UNITS 14 FEET IN OVERALL LENGTH AND SHORTER SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 3500 PSI AT 28 DAYS
- U-LINTEL UNITS EXCEEDING 14 FEET IN OVERALL LENGTH SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 6000 PSI AT 28 DAYS AND SHALL BE PRE-STRESSED CONCRETE.
- 8. SILL UNITS SHALL BE MADE OF CONCRETE WITH A MINIMUM STRENGTH OF 3000 PSI AT 28 DAYS.
- 9 UNITS SHALL BE SAND BLOCK FINISH EXCEPT PRE-STRESSED, 6" WIDE, AND 12" WIDE U-LINTELS SHALL BE SMOOTH FORM FINISHED.
- 10. PRECAST CONCRETE U-LINTELS SHALL BE DESIGNED BY A LICENSED DELEGATED ENGINEER.
- PROVIDE MANUFACTURER'S CATALOG ENGINEERING DATA.
- MANUFACTURER SHALL RATE U-LINTEL UNITS FOR GRAVITY, UPLIFT, AND LATERAL LOADS IN UNITS OF POUNDS PER LINEAR FOOT.

DRILL-IN BOLTS, SCREWS AND DOWELS

- ADHESIVE DOWELING RODS/BOLTS SHALL BE CARBON STEEL THREADED ROD CONFORMING TO ISO 898 5.8 WITH A MINIMUM TENSILE STRENGTH OF 12.5 KSI (500MPa) AND A MINIMUM YIELD OF 58 KSI (400MPa). THREADED RODS WITH NUTS AND WASHERS INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ANCHORING ADHESIVE SHALL BE A TWO-COMPONENT SYSTEM SUPPLIED IN MANUFACTURER'S STANDARD SIDE-BY-SIDE FOIL PACKAGE AND DISPENSED THROUGH A STATIC-MIXING NOZZLE SUPPLIED BY THE MANUFACTURER. ADHESIVE SHALL BE TESTED AND APPROVED TO MEET THE MINIMUM REQUIREMENTS OF ACI 355.4 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION, PROVIDE HILTI HY 200 SAFE SET (ESR 3187) OR RE 500 V3 (ESR 3814) ANCHORS BY HILTI OR EQUAL (E.G. SIMPSON SET-XP. ATC ULTRABOND 365CC/UNLESS SPECIFIED OTHERWISE IN THE STRUCTURAL DOCUMENT.
- DRILL-IN REBAR DOWELS SHALL BE SET USING A TWO-PART ADHESIVE AS DESCRIBED ABOVE.
- EXPANSION BOLTS SHALL BE HILTI KB TZ (ESR 1917) OR EQUAL, BOLT SHALL MEET DUCTILITY REQUIREMENTS OF ACI 318 SECTION DI.
- EXPANSION BOLTS SHALL HAVE CARBON STEEL ANCHOR BODY AND NUT AND WASHER SHALL BE ELECTROPLATED ZINC COATING CONFORMING TO ASTM B633 TO A MINIMUM OF 5 µM. THE STAINLESS STEEL ANCHOR BODY, NUT AND WASHER, AND EXPANSION SLEEVE SHALL CONFORM TO TYPE 316 STAINLESS STEEL. EXPANSION ANCHORS SHALL MEET THE MINIMUM REQUIREMENTS OF ACI 355.2 FOR CRACKED AND UNCRACKED CONCRETE. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- MASONRY SCREWS SHALL BE 1/4" DIAMETER WITH 1-5/8" MINIMUM EMBEDMENT INSTALLED IN DRILLED HOLES USING AN APPROPRIATE BIT DIAMETER.
- SCREWS SHALL HAVE A BODY MADE OF CARBON STEEL AND SHALL BE HEAT TREATED AND SHALL HAVE 811M ZINC COATING IN ACORDANCE WITH EN 150 4042. PROVIDE HUS EZ (ESR 3027) SCREWS BY HILTI OR EQUAL,
- HEAVY-DUTY CONCRETE AND MASONRY SCREWS SHALL BE TESTED AND APPROVED TO MEET THE MINIMUM REQUIREMENTS OF ACI 355.2. HILTI KWICK HUS EZ (ESR-3027 FOR CONCRETE, ESR-3056 FOR GROUT FILLED MASONRY), HEAVY DUTY SCREWS BY HILTI OR EQUAL.
- 9. THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THE ANCHORING PRODUCTS SPECIFIED. MCCARTHY AND ASSOCIATES TO RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO ARE TO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLATION.

MASONRY

HOLLOW LOAD BEARING UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE II, MINIMUM NET COMPRESSIVE UNIT STRENGTH = 2000 PSI, (NET AREA COMPRESSIVE MASONRY STRENGTH F'M = 2000 PSI)

- MORTAR SHALL BE TYPE 5 AND CONFORM TO ASTM C270 (PROPORTION OR PROPERTY SPECIFICATION).
- COARSE GROUT SHALL CONFORM TO ASTM C476:
- A) 2500 PSI AT 28 DAYS.
- B) 1/4" MAXIMUM AGGREGATE.
- C) 8" 11" SLUMP.
- CODES AND STANDARDS
 - A) SPECIFICATIONS FOR MASONRY STRUCTURES ACI 530.1/ASCE 6/ TMS 602 IS INCLUDED BY REFERENCE IN ITS ENTIRETY.
 - B) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI 530/ ASCE 5/TMS 402,
- A REINFORCED TIE BEAM SHALL BE PROVIDED IN ALL WALLS SHOWN ON THE STRUCTURAL DRAWINGS AT EACH FLOOR, THE ROOF, AND AT TOP OF ANY PARAPET WALL, USE GALVANIZED MESH-TYPE CELL CAPS. PROVIDE CORNER BARS AT ALL BEAM CORNERS TO MATCH HORIZONTAL BARS.
- UNLESS NOTED OTHERWISE, TIE BEAMS SHALL BE AS FOLLOWS:
- A) ROOF LEVEL: DOUBLE COURSE OF KNOCK-OUT BLOCKS WITH (1) #5 IN EACH COURSE
- VERTICAL BARS SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM OF BAR AND AT 81/201 O.C. MAXIMUM WITH A MINIMUM CLEARANCE OF 1/2" FROM MASONRY. THE CLEAR DISTANCE BETWEEN BARS SHALL NOT EXCEED ONE BAR DIAMETER, OR MORE THAN I". CENTER BARS IN WALLS U.N.O.
- VERTICAL REINFORCING SHALL BE AS SHOWN ON THE DRAWINGS. FILLCELLS WITH COARSE GROU AS SPECIFIED. PROVIDE ACI 90 DEGREE STANDARD HOOKS INTO FOOTING AND ROOF TIE BEAM LAP SPLICE VERTICAL REINFORCEMENT ABOVE FOOTING AND ABOVE EACH FLOOR LEVEL UNLESS NOTED OTHERWISE. MAINTAIN VERTICAL REINFORCING SHOWN ON PLANS ABOVE AND BELOW MASONRY OPENINGS. CONTINUE FOUNDATION DOWELS BELOW ALL MASONRY OPENINGS.
- REINFORCED FILL CELLS ARE TO BE CLEAN AND FREE OF ANY FOREIGN MATERIAL OR DEBRIS REMOVE ANY INSULATING MATERIAL FROM CELLS, INCLUDING POLYSTYRENE INSULATING INSERTS PRIOR TO GROUT POUR.
- REINFORCING BARS SHALL BE STRAIGHT EXCEPT FOR BENDS AROUND CORNERS AND WHERE BENDS OR HOOKS ARE DETAILED ON THE PLANS.
- REINFORCING BARS SHALL BE LAPPED PER MASONRY LAP SCHEDULE MINIMUM (UNLESS OTHERWISE NOTED) WHERE SPLICED AND SHALL BE WIRED TOGETHER.
- WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICALS, DOWELS SHALL BE GROUTED INTO A CORE IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCEMENT.
- PROVIDE HORIZONTAL WALL REINFORCING (9 GA.) HOT DIPPED GALVANIZED LADDER TYPE DUR-O-WALL (OR EQUIVALENT) AT 16" O.C. JOINT REINFORCING SHALL CONFORM TO ASTM A-951.
- PROVIDE HORIZONTAL JOINT REINFORCEMENT AT DOORS AND WINDOWS FOR FIRST AND SECOND BLOCK COURSE ABOVE AND BELOW APERTURES. RUN REINFORCING CONTINUOUS OR EXTEND TWO FEET FROM APERTURE EDGE.
- WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AT SPLICES AND SHALL CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT IN THE LAPPED DISTANCE.
- 16. CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM COURSE OF MASONRY IN EACH GROUT POUR WHEN THE POUR HEIGHT EXCEEDS 5', CLEANOUTS TO BE SAW-CUT 4" X 4".
- GROUT POUR HEIGHT SHALL NOT EXCEED 24', PLACE GROUT IN 5' MAX, LIFTS HEIGHTS.
- CONSOLIDATE GROUT POURS AT THE TIME OF PLACEMENT BY MECHANICAL MEANS AND RECONSOLIDATE AFTER INITIAL WATER LOSS AND SETTLEMENT.
- \mid 19. \mid ALL MASONRY FOUNDATION STEMWALLS AND RETAINING WALLS SHALL BE FULLY GROUTED.
- 20. STORE BLOCKS ON PALLETS AND COVER WITH PLASTIC SHEETING.
- 21. PLACE MASONRY IN RUNNING BOND WITH 3/8" MORTAR JOINTS, PROVIDE COMPLETE COVERAGE FACE SHELL MORTAR BEDDING, HORIZONTAL AND VERTICAL. FULLY MORTAR WEBS IN ALL COURSES OF PIERS, COLUMNS, AND PILASTERS AND ADJACENT TO GROUTED CELLS.
- 22. SEE DRAWINGS FOR MASONRY CONTROL JOINT LOCATIONS. SPACE AT 26'-0" O.C. AT EXTERIOR WALLS, 32'-0" O.C. AT INTERIOR WALLS UNLESS NOTED OTHERWISE.
- 23. SUBMITTALS:
- A) SUBMIT PROPOSED GROUT MIX DESIGN PRIOR TO CONSTRUCTION. SUBMIT PROPOSED MORTAR MIX DESIGN PRIOR TO CONSTRUCTION.
- C) SUBMIT DETAILED SHOP DRAWINGS OF REINFORCING BARS SHOWING NUMBER, SIZE, AND LOCATION. INCLUDE BAR LISTS AND BEND DIAGRAMS. INCLUDE ALL REQUIRED DIMENSIONS AND ELEVATIONS.
- D) SUBMIT COMPRESSIVE STRENGTH TESTS OF PROPOSED MASONRY UNITS PRIOR TO CONSTRUCTION. MASONRY UNITS ARE TO BE TESTED IN ACCORDANCE WITH ASTM C140.
- 24. PROVIDE 8" DEEP PRECAST REINFORCED CONCRETE LINTELS OVER ALL MASONRY OPENINGS NOT SHOWN TO HAVE A STRUCTURAL BEAM, MINIMUM END BEARING = 8". LINTEL WIDTH TO MATCH MASONRY WIDTH
- 125. TOPS OF PARTIALLY CONSTRUCTED WALLS SHALL BE COVERED WITH VISQUEEN WHENEVER RAIN OCCURS AND AT THE END OF THE WORK DAY.

ISSUED FOR: PERMIT SET MICHAEL F. SOFARELLI, FLORIDA STATE BOARI

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STRUCTURAL NOTES

SEMINOLE PARK R.R.

Date: 11-13-2019

PROJECT no. 19085 Sheet:

A-9

CAST IN PLACE CONCRETE

- ALL CAST-IN-PLACE CONCRETE WORK INCLUDES REINFORCING STEEL AND RELATED 16. CHAIR WELDED WIRE FABRIC REINFORCING AT 3'-Ø" ON CENTER MAXIMUM IN WORK SHOWN INCLUDING FORMWORK, SETTING ANCHOR BOLTS, PLATES, FRAMES, DOWELS FOR MASONRY OR OTHER ITEMS EMBEDDED IN CONCRETE.
- APPLICABLE STANDARDS

ACI NUMBER TITLE

STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION

GROUND GRANULATED BLAST-FURNACE SLAG STANDARD SPECIFICATIONS FOR STRUCTURAL 3Ø1

CONCRETE FOR BUILDINGS GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION GUIDE FOR MEASURING MIXING, TRANSPORTING AND PLACING F) CEMENT TYPE AND MANUFACTURER 3Ø4

CONCRETE 3Ø4.2R PLACING CONCRETE BY PUMPING METHODS.

3Ø5R HOT WEATHER CONCRETING 306R COLD WEATHER CONCRETING 308 STANDARD PRACTICE FOR CURING CONCRETE 309R GUIDE FOR CONSOLIDATION OF CONCRETE 315 MANUAL OF STANDARD PRACTICE FOR DETAILING

CONCRETE STRUCTURES BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK

CRSI NUMBER

RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS

3. CONCRETE MATERIALS

A) PORTLAND CEMENT - ASTM C 150, TYPE I

STRUCTURAL LIGHT WEIGHT ASTM C330. C) AIR-ENTRAINING - ASTM C260

D) WATER REDUCING - ASTM C494, TYPE A

E) WATER - FRESH, CLEAN AND POTABLE

- F) NO ACCELERATORS, RETARDERS OR ADMIXTURES CONTAINING CHLORIDES WILL BE
- G) FLY-ASH ASTM C618, CLASS F, 20% MAXIMUM OF CEMENTITIOUS MATERIAL BY WEIGHT. DO NOT USE FOR EXPOSED SLABS OR ARCHITECTURAL CONCRETE. H) SUPER PLASTICIZER - ASTM C494, TYPE F OR G. WHERE AUTHORIZED BY THE
- 1) GROUND GRANULATED BLAST-FURNACE SLAG CEMENT ASTM C989, 50% MAXIMUN BY WEIGHT.
- J) MAXIMUM AGGREGATE SIZE FOOTINGS = #57, OTHERS #67

4. REINFORCING MATERIALS

- A) DEFORMED BARS ASTM A615, GRADE 60
- B) SMOOTH DOWELS ASTM A615, PLAIN BARS, MINIMUM YIELD STRENGTH OF 60,000 A) A QUALIFIED TESTING LAB SHALL BE RETAINED TO PERFORM QUALITY CONTROL
- C) CORROSION RESISTANT UNCOATED STEEL (MMFX-2) ASTM A615, GRADE 15 AND B) SLUMP TEST ASTM 143 ASTM A1035 LOW-CARBON (8% MINIMUM) CHROMIUM BY MMFX OR EQUAL
- D) WELDED WIRE FABRIC ASTM A1064, PLAIN WIRE FABRIC IN FLAT SHEETS ONLY. E) ACCESSORIES TO CONFORM TO ACI 315.
- F) WHERE CONCRETE SURFACES ARE EXPOSED, MAKE THOSE PORTIONS OF ALL ACCESSORIES IN CONTACT WITH THE CONCRETE SURFACE OR WITHIN 1/2 INCH THEREOF, OF PLASTIC OR STAINLESS STEEL.
- 5. PROVIDE THE FOLLOWING MINIMUM CONCRETE STRENGTHS AT 28 DAYS:
- A) MAT FOUNDATION------4000 PSI
- 6. CONCRETE MUST BE BATCHED, MIXED AND TRANSPORTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR READY-MIXED CONCRETE ASTM C94.
- REQUIRED SLUMP = 4 PLUS OR MINUS ONE INCH.
- 8. CONCRETE MUST BE PLACED WITHIN 90 MINUTES OF BATCH TIME, WHEN AIR TEMPERATURE IS BETWEEN 85 AND 90 DEGREES F, REDUCE MIXING AND DELIVERY 28. ACCEPTANCE OF THE STRUCTURE WILL BE MADE IN CONFORMANCE WITH ACI 301. TIME TO 15 MINUTES. WHEN AIR TEMPERATURE IS HIGHER THAN 90 DEGREES F REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES.
- 9. DO NOT ADD WATER AT THE JOB SITE WITHOUT APPROVAL OF THE PROJECT SUPERINTENDENT, DO NOT EXCEED THE SLUMP LIMITATION. USE ONLY COLD WATER FROM THE TRUCK TANK. ANY ADDED WATER MUST BE INDICATED ON THE DELIVERY TICKET PLUS THE NAME OF THE PERSON AUTHORIZING. TEST CYLINDERS SHALL BE TAKEN AFTER THE ADDITION OF WATER.
- 10. LAP SPLICE REINFORCING PER CONCRETE LAP SCHEDULE MINIMUM UNLESS B) PONDING OTHERWISE SHOWN OR NOTED.
- 11. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND NUMBER OF VERTICAL BARS. E) CONTINUE CURING BY USE OF MOISTURE RETAINING COVER UNTIL CONCRETE HAS EMBED DOWELS TO:
- A) 3" ABOVE BOTTOM OF FOOTINGS
- 12. REINFORCEMENT SHALL BE FASTENED AND SECURED TOGETHER TO PREVENT DISPLACEMENT BY CONSTRUCTION LOADS OR THE PLACING OF CONCRETE.
- 13. REINFORCING BAR COVER
- A) MAT SLAB 2" (TOP). 3" (SIDES AND BOTTOM)
- 14. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, LENGTH OF HOOK, IF REQUIRED IS NOT INCLUDED.
- 15. SELECT PROPORTIONS IN ACCORDANCE WITH ACI 301 TO PROVIDE CONCRETE ACCEPTABLE FINISHING PROPERTIES, DURABILITY, SURFACE HARDENERS, APPEARANCE. AND STRENGTH REQUIREMENTS REQUIRED BY THESE SPECIFICATIONS.

- EACH DIRECTION.
- 17. MAXIMUM WATER TO CEMENT RATIO WHEN NO BACK-UP DATA IS AVAILABLE
- A) 4000 PSI, 28-DAY COMPRESSIVE STRENGTH± W/C RATIO, 0.44 MAXIMUM (NON-AIR-ENTRAINED), Ø.36 MAXIMUM (AIR-ENTRAINED).
- 18. DATA TO BE SUBMITTED:
- A) INTENDED USAGE AND LOCATION FOR EACH TYPE
- B) MIX DESIGN FOR EACH TYPE
- C) CEMENT CONTENT IN POUNDS-PER-CUBIC YARD D) COARSE AND FINE AGGREGATE IN POUNDS/CUBIC YARD
- E) WATER CEMENT RATIO BY WEIGHT
- G) SLUMP RANGE
- H) AIR CONTENT 1) ADMIXTURE TYPE AND MANUFACTURER
- J) PERCENT ADMIXTURE BY WEIGHT
- K) STRENGTH TEST DATA REQUIRED TO ESTABLISH MIX DESIGN.
- L) COMPLETE DETAIL AND PLACING SHOP DRAWINGS FOR ALL REINFORCING STEEL INCLUDING ACCESSORIES THAT HAVE BEEN REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR. INCLUDE ALL REQUIRED DIMENSIONS AND ELEVATIONS (IE. TOP OF CONCRETE)
- 19. CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS MUST BE MADE AND LOCATED TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE.
- A) NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN BEAMS, GIRDERS AND SLABS.
- B) LOCATION OF ANY CONSTRUCTION JOINT NOT SHOWN IS SUBJECT TO REVIEW AND ACCEPTANCE BY ENGINEER.
- B) AGGREGATES NORMAL WEIGHT CONCRETE, COARSE AND FINE, ASTM C33. 20. INTERNAL VIBRATION, PROPERLY APPLIED IS THE REQUIRED METHOD OF CONSOLIDATING PLASTIC CONCRETE.
 - 21. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, AND SLAB RECESSES AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED. NO SLEEVE, OPENINGS, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMN UNLESS APPROVED BY THE ENGINEER.
 - CONTRACTOR SHALL VERIFY EMBEDDED ITEMS INCLUDING, BUT NOT LIMITED TO, ANCHOR BOLTS, WELD PLATES, ETC., BEFORE PLACING CONCRETE. NOTIFY ENGINEER OF ANY CONFLICTS WITH REBAR.
 - 23. SEE ARCHITECTURAL DRAWINGS FOR REQUIRED CONCRETE FINISHES.
 - 24. SLOPE WALKWAYS TO DRAIN AWAY FROM THE BUILDING.
 - 25. TESTING
 - WORK AND ON-SITE TESTING.

 - C) MOLD AND CURE TEST CYLINDERS (ASTM C-31) AND TEST CYLINDERS FOR STRENGTH (ASTM C39). TAKE ONE TEST - THREE CYLINDERS FOR EACH DAYS POUR OF 100 CUBIC YARDS, OR FRACTION THEREOF. TEST ONE CYLINDER AT 1 DAYS, TWO AT 28 DAYS, TEST CYLINDER SAMPLES SHALL BE TAKEN AT THE POINT OF DISCHARGE WHEN USING A PUMP.
 - D) ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO THE OWNER. ENGINEER, ARCHITECT AND GENERAL CONTRACTOR.
 - 26. CONTRACTOR SHALL PROVIDE FLATNESS AND LEVELNESS IN CONCRETE SLABS PER ACI 302.1R, FIG. 10.7 MINIMUM REQUIRED "F" NUMBERS FOR TYPE OF SLAB USE. REFER TO ACI 117 FOR FLOOR TOLERANCES.
 - 27. REPAIR ANY CRACKS OR DEFECTIVE AREAS THAT WILL RESTORE THE AFFECTED SURFACE OR AREAS TO THEIR FULL DESIGN STRENGTH AND APPEARANCE. CONTACT THE STRUCTURAL ENGINEER FOR ADVICE AND EVALUATION.

 - 29. ALL CAST-IN-PLACE CONCRETE MUST BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A MINIMUM OF 1 DAYS FOLLOWING THE PLACING OF THE CONCRETE BY THE USE OF A WATER SPRAY, WATER SATURATED FABRIC, MOISTURE RETAINING MEMBRANE OR LIQUID CURING
 - 30. CURE MAT SLABS FOR THE FIRST 72 HOURS BY THE USE OF:
 - A) FOG SPRAYING
 - C) SPRINKLING
 - D) CONTINUOUSLY WET ABSORPTIVE MATS OR FABRIC
 - OBTAINED ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.
 - F) OR LIQUID CURING COMPOUND AFTER FINISHING PROCESS IS COMPLETED.
 - G) CONCRETE WET CURE TIME TO BE 1 DAYS MINIMUM AT 50 DEGREES MINIMUM TEMPERATURE.
 - 31. SUBMIT MATERIALS AND METHOD OF CURING FOR REVIEW.
 - 32. DO NOT PERMIT CONCRETE NOT FULLY CURED TO BE EXPOSED TO EXCESSIVE TEMPERATURE CHANGES OR HIGH WINDS.
 - 33. POUR ALL GROUND MAT SLABS ON 10 MIL MINIMUM VAPOR RETARDER IN COMPLIANCE WITH ASTM EI745, LAPPED 6" MINIMUM AND FULLY TAPED.
 - CAPABLE OF BEING PLACED WITHOUT EXCESSIVE SEGREGATION AND WITH 34. EQUIPMENT MADE OF ALUMINUM OR ALUMINUM ALLOYS, SHALL NOT BE USED FOR PUMP LINES, TREMIES, OR CHUTES OTHER THAN SHORT CHUTES SUCH AS THOSE USED TO CONVEY CONCRETE FROM A TRUCK MIXER.
 - H) THE CODE PROHIBITS THE USE OF ALUMINUM (CONDUIT, PIPES, ETC.) IN STRUCTURAL CONCRETE UNLESS IT IS EFFECTIVELY COATED OR COVERED.

PRE-ENGINEERED WOOD TRUSSES

- THIS SECTION DEFINES PRE-ENGINEERED, PREFABRICATED, METAL PLATE CONNECTED WOOD ROOF TRUSSES AS "WOOD TRUSSES".
- WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", PUBLISHED BY THE AMERICAN FOREST AND PAPER ASSOCIATION. "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION". PUBLISHED BY THE TRUSS PLATE INSTITUTE, TPI I
- THE WOOD TRUSS MANUFACTURER MUST PARTICIPATE IN A CODE APPROVED THIRD PARTY QUALITY ASSURANCE PROGRAM SUCH AS THE TRUSS PLATE INSTITUTE'S "QUALITY CONTROL INSPECTION PROGRAM" OR EQUIVALENT.
- WOOD TRUSSES SHALL BE DESIGNED FOR THE LOAD CRITERIA PROVIDED ON THE STRUCTURAL DRAWINGS. MINIMUM BOTTOM CHORD DEAD LOAD = 10 PSF.
- DURATION OF LOAD FACTORS:
- ROOF 0.6DL+0.6WL 1.33
- 125 ROOF DL+LL 1.00
- FLOOR DL+LL
- THE WOOD TRUSS SYSTEM SHALL BE DESIGNED BY THE DELEGATED SYSTEM ENGINEER WHO SHALL PREPARE DESIGN CALCULATIONS AND SUPERVISE THE PREPARATION OF SHOP DRAWINGS INCLUDING, BUT NOT LIMITED TO:
- A) TRUSS PLACEMENT PLAN SHOWING ALL TRUSSES, GIRDERS, AND OVER-BUILD TRUSS FRAMING.
- B) TRUSS TO TRUSS METAL CONNECTORS WITH MODEL NUMBER AND MANUFACTURER
- C) DIMENSIONED LOCATION OF ALL TRUSSES.
- D) TRUSS BRACING
- E) DESIGNATION OF EACH TRUSS REFERENCED TO THE TRUSS DESIGN CALCULATIONS.
- INDIVIDUAL TRUSSES SHALL BE DESIGNED BY THE DELEGATED SYSTEM ENGINEER INCLUDING:
- A) DIMENSIONED TRUSS ELEVATION OF EACH INDIVIDUAL TRUSS WITH CHORDS AND WEBS. REFERENCED TO THE TRUSS SYSTEM DRAWINGS.
- B) TRUSS SPACING
- C) DESIGN LOADS CRITERIA AND LOAD COMBINATIONS
- D) LOAD DURATION FACTORS, CONDITION OF USE FACTORS AND ANY LIVE LOAD REDUCTIONS TAKEN.
- E) APPLICABLE CODES USED.
- F) WOOD SPECIES, GRADE, AND MOISTURE CONTENT.
- G) METAL CONNECTOR PLATES TYPE, SIZE, GAUGE, ETC.
- H) SUPPORT REACTIONS AND MINIMUM BEARING LENGTH
- J) PERMANENT CONTINUOUS TRUSS TO TRUSS BRACING.
- K) INDIVIDUAL MEMBER STIFFENERS.
- L) TRUSS SPLICE DETAILS, INCLUDING PIGGY BACK TRUSSES.
- M) IDENTIFICATION OF ANY COMPUTER PROGRAM USED.
- DEFLECTION LIMITATIONS: (UNLESS NOTED OTHERWISE)
- A) ROOF LIVE LOAD = L/360
- B) ROOF TOTAL LOAD = L/240
- C) FLOOR LIVE LOAD = L/480 D) FLOOR TOTAL LOAD = L/360
- 9. FIRE RETARDANT WOOD IS NOT ALLOWABLE.
- 10 SUPPORTS: WOOD TRUSSES SHALL BE DESIGNED WITH AT LEAST ONE HORIZONTAL ROLLER CONNECTION PER SPAN SO THAT NO HORIZONTAL REACTIONS ARE INDUCED ON SUPPORTS UNDER DEAD OR LIVE LOADS.
- REFER TO THE ARCHITECTURAL DRAWINGS. IF A CEILING OR ADEQUATE FURRING STRIPS ARE NOT PROVIDED, TRUSS BOTTOM CHORDS MUST BE DESIGNED AS LATERALLY UNBRACED.
- TRUSS ERECTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING OF TRUSS SYSTEM DURING CONSTRUCTION.
- 13. HANDLING, INSTALLATION, AND BRACING OF WOOD TRUSSES SHALL BE IN ACCORDANCE WITH TPI/WTCA BCSI.
- 14. ALL TRUSS TO TRUSS AND TRUSS TO SUPPORT CONNECTIONS SHALL BE DESIGNED BY THE DELEGATED ENGINEER.
- 15. FLOOR TRUSSES SHALL BE "FLAT CHORD", ALPINE SYSTEM 42 OR EQUIVALENT,
- 16. CONNECTION HARDWARE SHALL BE SUPPLIED BY SIMPSON STRONG-TIE CO., INC., OR BY APPROVED EQUIVALENT MANUFACTURER. HARDWARE IS TO BE FULLY FASTENED PER MANUFACTURER'S REQUIREMENTS.
- 17. MINIMUM COATING REQUIREMENTS FOR METAL CONNECTORS, TRUSS PLATES, AND FASTENERS:
- A) INTERIOR -ZINC GALVANIZED (G90)
- B) EXTERIOR -GALVANIZED (G185) OR HOT DIP GALVANIZED (HDG)
- C) EXTERIOR COASTAL AREAS -STAINLESS STEEL (TYPE 316L)
- 18. PILING OF PLYWOOD ON WOOD TRUSSES IS NOT ALLOWED.
- 19. INSTALLATION OF BROKEN, DAMAGED, WARPED, OR IMPROPERLY REPAIRED WOOD TRUSSES IS NOT ALLOWED.
- 20. IMPROPER OR UNAUTHORIZED FIELD ALTERATIONS OF WOOD TRUSSES IS NOT ALLOWED.
- 2 I. CONNECTIONS AND BRACING MUST BE INSTALLED BEFORE LOADING SHEATHING ON THE TRUSSES.
- 22. GABLE END WALL TRUSSES MUST TRANSFER LATERAL LOADS TO THE SHEAR WALLS AND/OR THE ROOF DIAPHRAGM.
- 23. WOOD TRUSSES THAT DO NOT MEET INTERIOR LOAD BEARING WALLS MUST BE SHIMMED. DO NOT PULL WOOD TRUSSES DOWN TO INTERIOR BEARINGS.
- 24. WOOD TRUSS DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE DRAWINGS AND SPECIFICATIONS.
- 25. SUBMITTALS SHALL HAVE A COVER SHEET CONTAINING THE NAME, ADDRESS, AND LICENSE NUMBER OF DELEGATED ENGINEER, PROJECT IDENTIFICATION INFORMATION, AND AN INDEX OF ATTACHED DRAWINGS. ALL SUBMITTED CALCULATIONS AND SHOP DRAWINGS SHALL BEAR THE SEAL OF THE DELEGATED ENGINEER.
- 26. INCOMPLETE SUBMITTALS AND SUBMITTALS THAT ARE NOT SIGNED AND SEALED WILL BE RETURNED WITHOUT REVIEW.

ISSUED FOR: PERMIT SET REGISTRATION No. AR 0014577

STRUCTURAL NOTES

SEMINOLE PARK R.R.

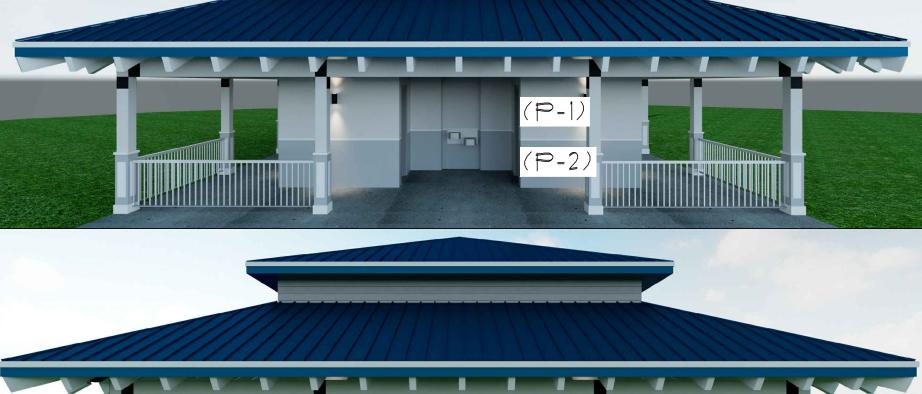
11-13-2019

PROJECT no. 19085

Sheet: 4-91



ENTRY VIEW



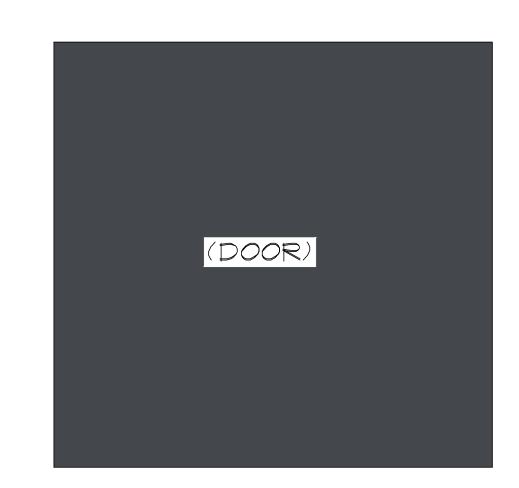
COLUMN

SIDE VIEW

REAR VIEW

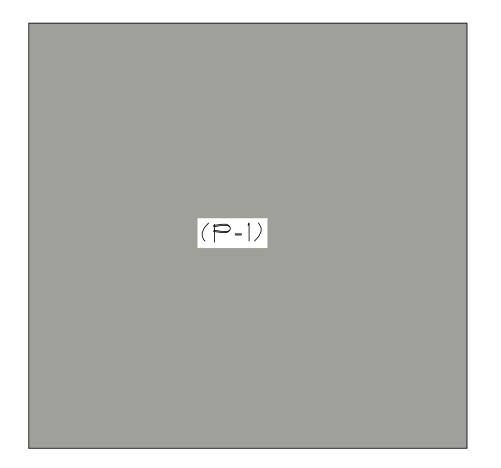


HARBOR BLUE MBCI METAL ROOFS



SW 7076 CYBERSPACE SHERWIN WILLIAMS

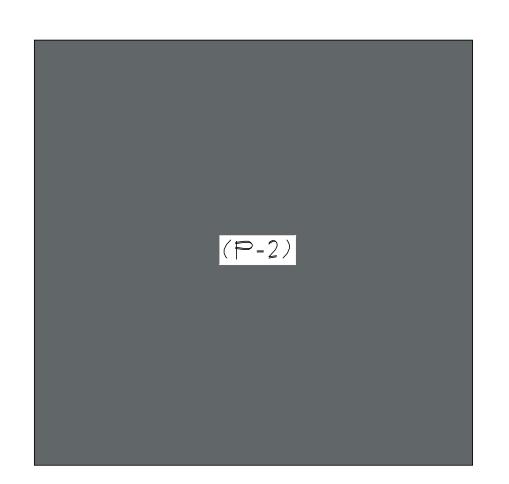
LOCATION: - DOOR/DOOR TRIM



SW 7655 STAMPED CONCRETE SHERWIN WILLIAMS

LOCATION:

- EXTERIOR WALLS UP 3'6" AND UP
- WOOD COLUMNS
- BEAMS OVER COLUMN



SW 7075 WEB GRAY SHERWIN WILLIAMS

LOCATION:

- EXTERIOR WALLS UP TO 3'6" A.F.F.
- DECORATIVE MOLDING AROUND COLUMN

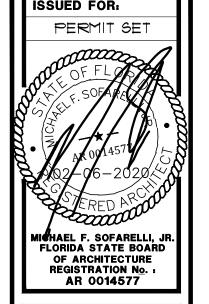
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SW 6253 OLYMPUS WHITE SHERWIN WILLIAMS

LOCATION:

- CONTROL JOINT ON WALLS
- DECORATIVE TRIM AROUND COLUMN
- RAFTERS

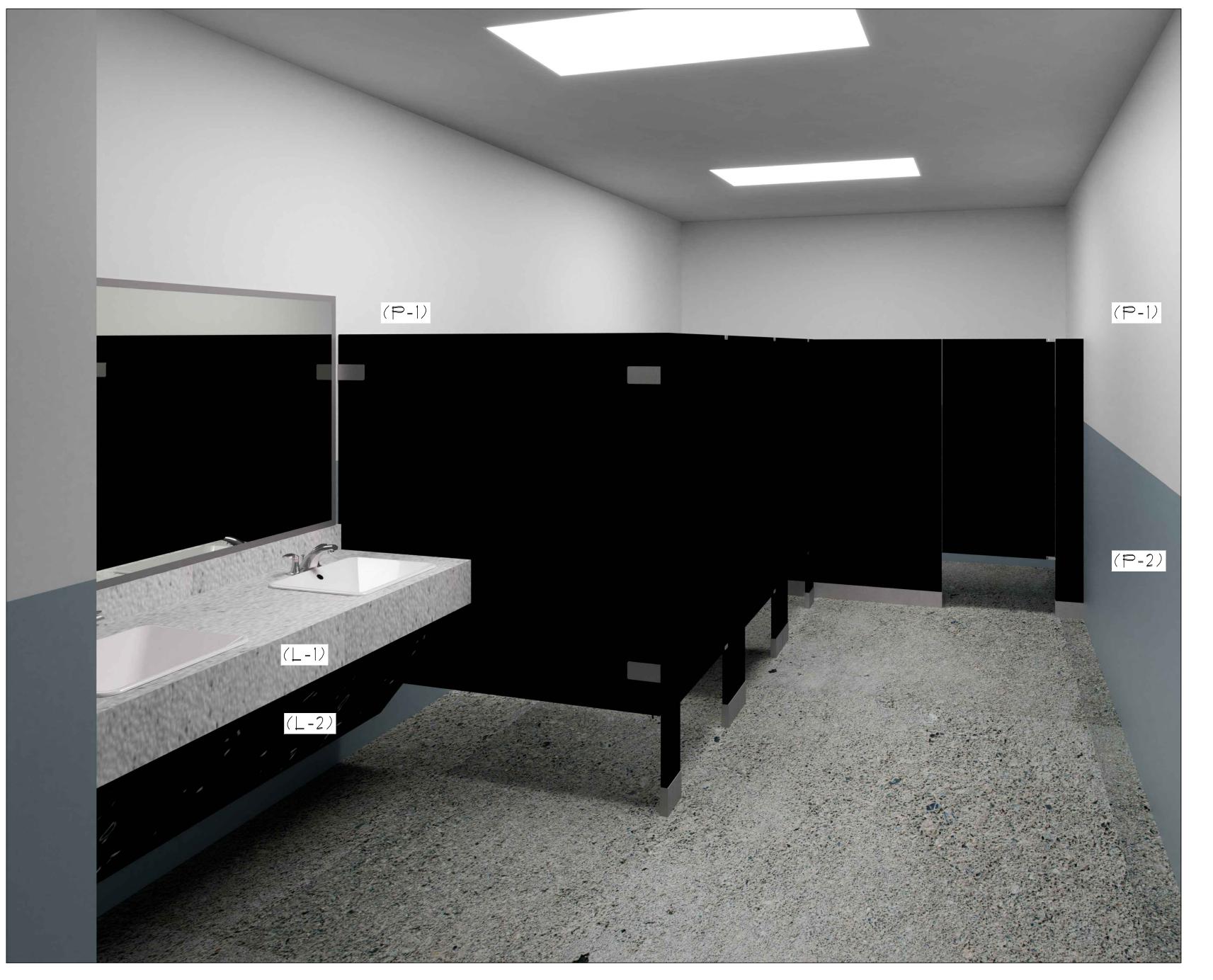


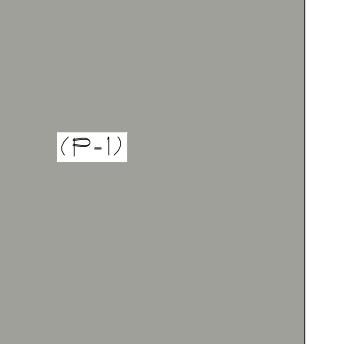
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EXTERIOR RENDERING

PROJECT no. 19085

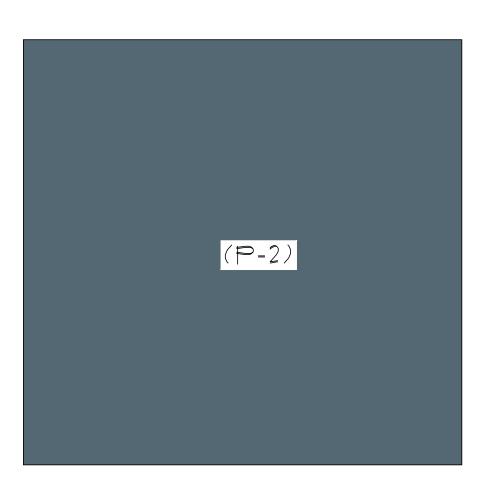
A-10





SW 7655 STAMPED CONCRETE SHERWIN WILLIAMS

LOCATION: - 48" AND ABOVE

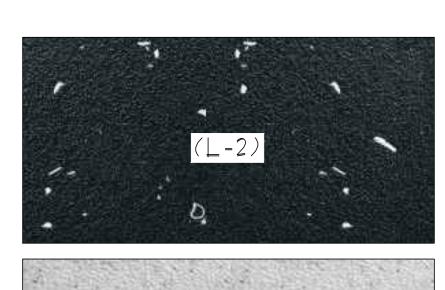


SW 9141 WATERLOO SHERWIN WILLIAMS

LOCATION: -ALL WALLS 48" AFF



9205 BLACK ASI GLOBAL PARTITIONS LOCATION: -TOILET PARTITION



9400 FOLKSTONE GREY ASI GLOBAL PARTITIONS LOCATION: -COUNTERTOP & BACKSPLASH

9217 BLACK CONFETTI ASI GLOBAL PARTITIONS LOCATION:

-CASEWORK BELOW COUNTERTOP



FERFRONT PARK

NEW RESTROOM FACE STANDING BUILDING BUI

SOFARELLI & ASSOCIATES ARCHITE
MICHAEL F. SOFARELLI JR. A.I.A.
6365 142nd AVENUE NORTH
CLEARWATER, FLORIDA 33760 (727) 530-3538

Revisions

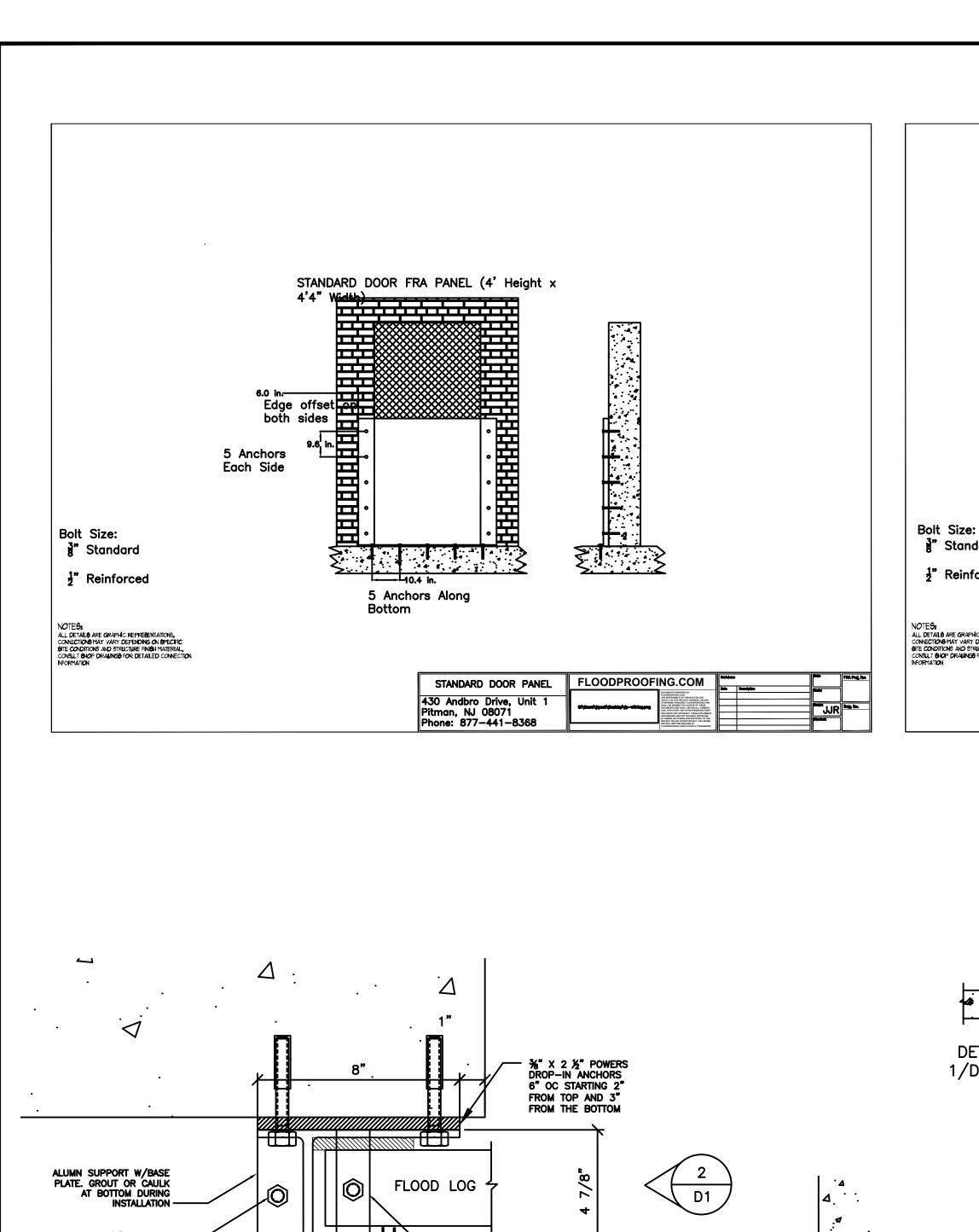
INTERIOR RENDERING

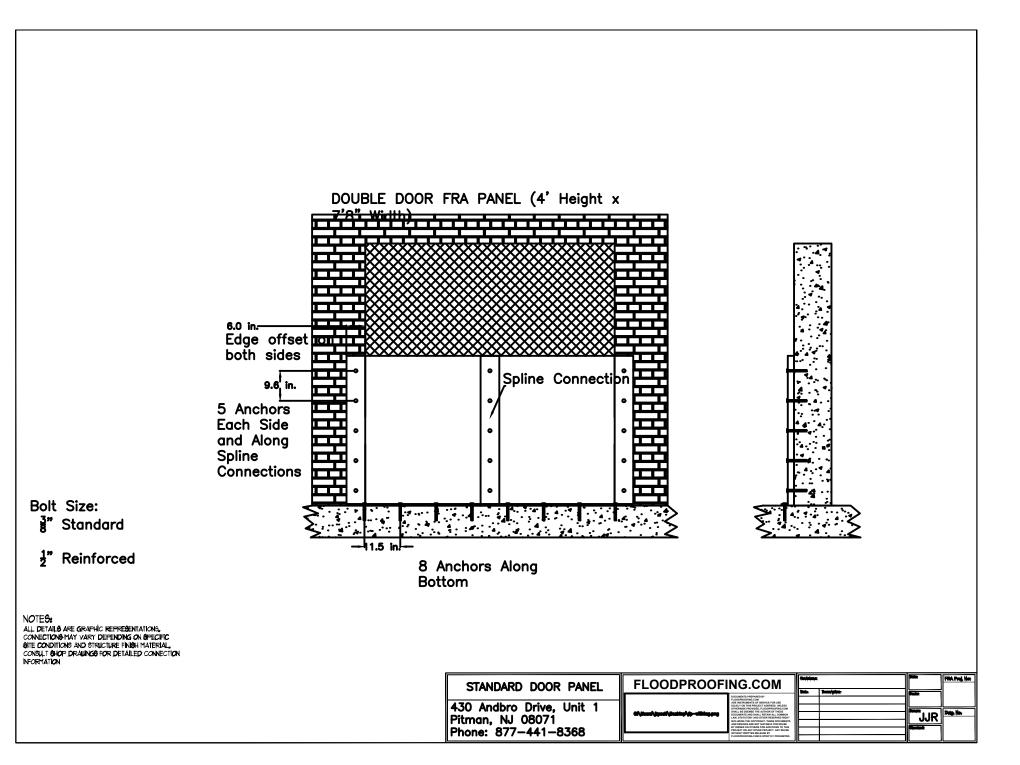
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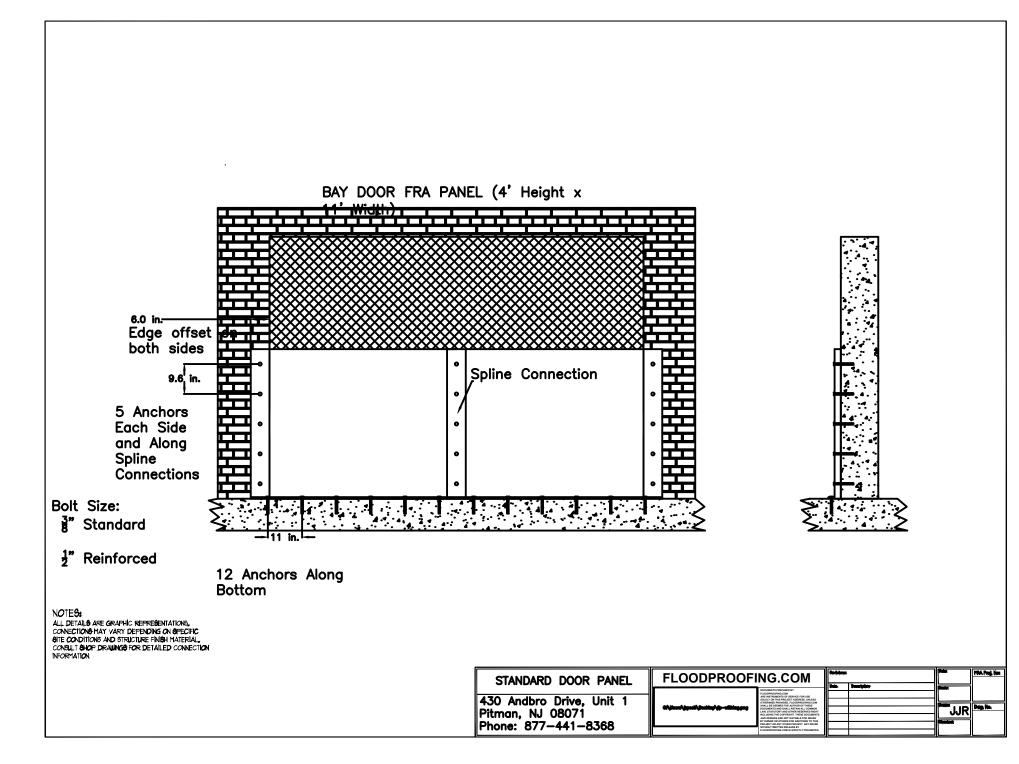
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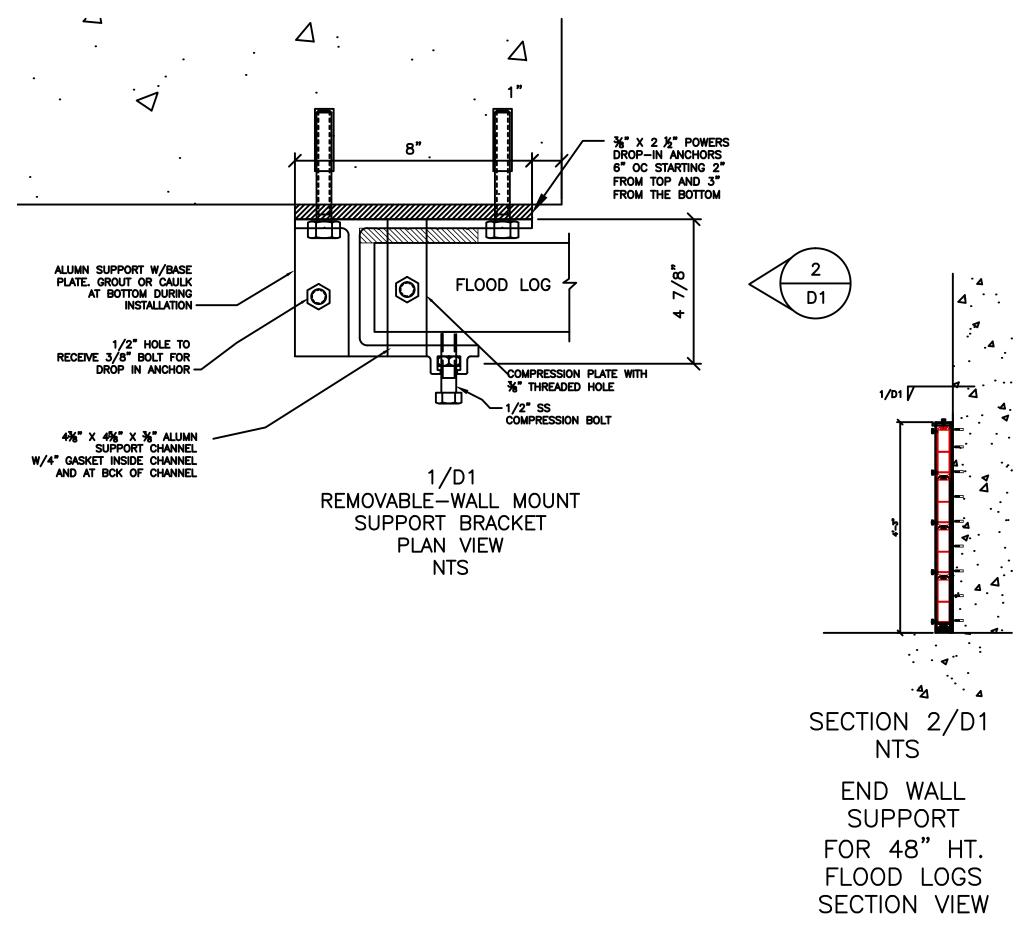
PROJECT no. 19085

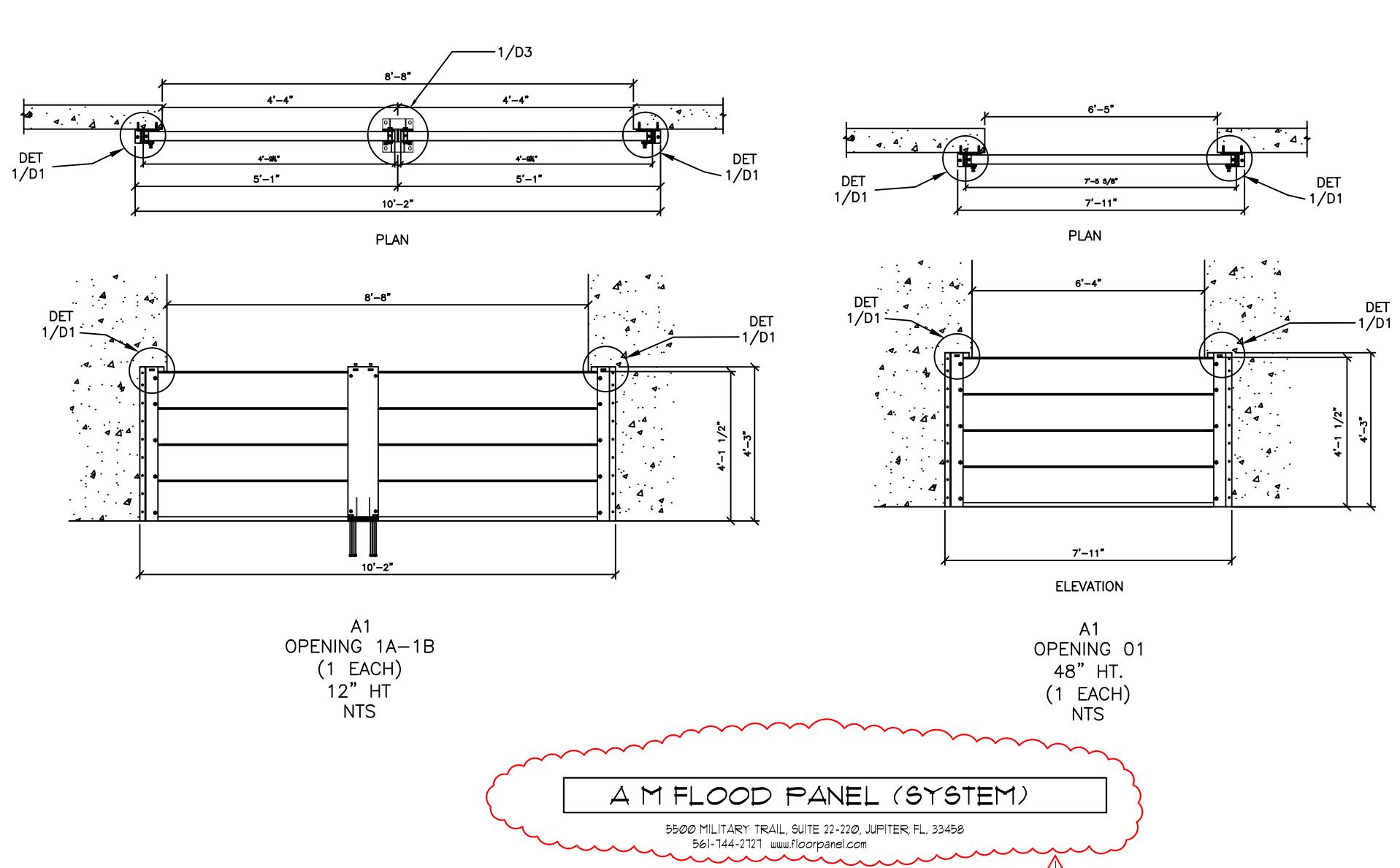
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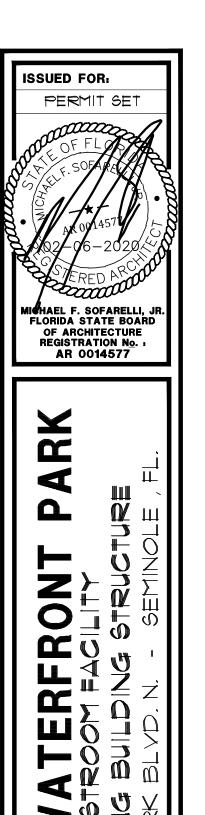












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Revisions:

PLAN REVIEW
25-20-2020

Content:

FLOOD GATE DETAILS

Filename: SEMINOLE PARK R.R.

11-13-2019

Sheet:

Section 08316

Removable Aluminum Flood Barriers

Gasketed Aluminum Flood Log System (Pat. Pend. (PP))

Specifications

➢ Part 1 ● General

- > 1.01 Description and general notes
- Work Included:
 - Provide flood barrier(s) factory assembled with frame(s) and hardware in accordance with the contract documents. All Barrier heights shall be finished to 12" above Base Flood Elevation (BFE)
 - unless otherwise stated by the Architect or Engineer of Record (EOR)
- BFE and Building Sub Elevations shall be furnished to Barrier Manufacturer by the Architect or Engineer of Record. o The structural design of these Removable Flood Panels is generic and has been
- designed for hydrostatic hydrodynamic and impact debris flood loads with water pressures corresponding to maximum water height and flow speed of 5 ft. /sec. up to 8 ft. /sec. in order to certify minimum required flood elevation to top of Flood Panels. o It shall be determined, on a job by job basis, the required Panel height and flow speed
- for the design of Removable Flood Panels, based on FEMA's criteria (See Note #3) as well as per ASCE 24-14 Standard. Installation and construction of these Flood Panels for use within flood hazard areas shall be in accordance with the American Society of Civil Engineers Flood Resistant Design and Construction Standard SEI/ASCE 24-14. o Design criteria is for Type 2 Closures in chapter 7, section 70 1.1.2 of the Army Corp of
- Engineers, EP 1165-2-314 12/1195 and based on the 2012 Edition of the International Building Code, the corresponding provisions of ASCE 24-14, FEMA flood proofing nonresidential structures manual FEMA 102, FEMA P-936 dated July, 2013 and FEMA Technical Bulletin 3-93. Design flood loads have been determined in accordance with ASCE 7-10. Design wind loads have been determined in accordance with ASCE 7-10 for 170 mph Basic Wind Speed for category 2 building. This flood barrier design criteria is for buildings in an "A" or "AE" flood zone and is not to be used in a Coastal "A" zone or high velocity "V" zone.
- o Flood barriers shall not be installed within areas where ice flows or ice jams occur.

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FLOOD PANEL

- o Flood barrier design have tested by an independent testing lab for water infiltration in accordance with FEMA 102 manual for flood proofing of non-residential structures, specifications Section 8, Page 70. Type 2 Flood closures or barriers are permitted allowable seepage rates. Seepage amounts will vary with building conditions encountered. ASCE 24-14 chapter 6 states "sump pumps shall be provided to remove water accumulated due to any passage of vapor and seepage of water during the flooding event." Owner acknowledges and is responsible for all drains, piping and sump pumps required to meet ASCE 24-14 requirements to offset water build up behind the barrier system. These materials and equipment are not provided by Architecture Metals Ltd. or Flood Panel LLC.
- o Flood Panel manufacturer to install and use gaskets and approved sealants following all the recommendations and specifications of the manufacturers respectively.
- Owner, General contractor or installer to verify all dimensions, wall and floor conditions at site before proceeding with the work, and shall notify this engineer if any
- discrepancy is found that would alter the structural design of these Flood Panels. Existing slabs and walls adjacent to opening where Flood Panel is to be installed shall be given a surface treatment by means of water proof sealer before flood Panel is
- installed. Surface must be smooth, square, plumb and level. Existing slabs and walls adjacent to openings where Flood Panels are to be installed shall be structurally designed by engineer of record, to sustain the same hydrostatic, hydrodynamic and impact pressures that correspond to maximum water elevation
- above finished floor at top of Panel , based on criteria mentioned on Note #3. o Drop-in anchors embedded into concrete for removable support installation shall be covered with a cap or similar device to protect their inside hold from dust, so that machine screws can easily be installed at time of flood warning. Concrete anchors by
- Separation of Panel to window/door shall be measured from back of Panel to window/door including any knob, handle, or protruding device, and shall be 2" minimum.
- All aluminum extrusions to be 6063-T6 alloy, and 6005-T5 alloy.
- o All sheet metal screws shall be as manufactured by ITW/Buildex "TEK Screws", and to be made of non-corrosive material.
- All bolts to be galvanized steel ASTM A-307 designation or 304 Series Stainless Steel.
- All gaskets installed shall be neoprene per drawings.
- o All welding to conform to the American Welding Society AWS D1.2. 1998 Regulations. Use certified welders. Use ER-5356 Electrodes.

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- o The engineer, Architecture Metals Ltd. or Flood Panel LLC. is not responsible for construction safety at site which is the owner, general contractor or installer's responsibility. Flood Panel Manufacturer to be responsible for providing the tenant with shop drawings and proper instructions for the installation of these Flood Panels.
- Surfaces against which the sealing gasket presses must be built "paper-smooth" to prevent excessive water extrusion, beyond that allowed by requirements. All surfaces must be plumb, square and level.

> 1.02 Standards

- A. Comply with the provisions of (as applicable).
 - 1) AWS Structural Welding Code D1.2 1998 Reg 2) ASTM A36, A240,

 - 3) ASCE 7-10, ASCE 24-14, SEI/ASCE 24-14
 - 4) FBC Chapter 20, Section 2003.8.4.
 - 5) QA program that is registered to ISO 9001-2000
 - 6) 2012 Edition of the International Building Code 7) FEMA 3-93, FEMA 102, FEMA P-936

1.03 Submittals

- A. Calculations and signed and sealed drawings:
- If required: Submit calculations, approved by a qualified engineer, to verify the barrier's ability to withstand the design pressure loading, based on current building code and specified load combinations. Signed and sealed drawings and calculation set available upon request.
- B. Shop Drawings:
- Submit shop drawings for flood barriers including dimensioned plans and elevations, sections, connections and anchorage.
- C. Manufacturers Data: Submit installation and maintenance instructions for flood barriers.
- D. Warranties
 - Provide manufacturer's warranty and warranty qualification stating that flood barriers for above project will be free from defects and workmanship for a period of one (1) year from date of substantial completion.
 - Flood Certificate, signed final inspection by Architect or EOR of installed flood barriers and final installation pictures of each opening is required by Flood Panel LLC to issue a warranty.

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DRYLOK® MASONRY PRODUCTS



o E. Flood Certificate

- Responsibility for filing the building FEMA "Flood Proofing Certificate" is the responsibility of the owner's architect and/or engineer and not of Architecture Metals Ltd. or Flood Panel LLC.
- F. Flood Emergency Operation Plan per FEMA 3-93
- Responsibility of building owner and design professional G. Inspection and Maintenance Plan per FEMA 3-93

Responsibility of Building Manager > 1.04 Qualifications

A. Experience:

The manufacturer of the flood barrier(s) shall present evidence attesting to at least 5 years of successful experience in the design, manufacture, and site implementation of the flood barrier system type specified.

> Part 2 • Products

- 2.01 Acceptable Flood Barrier Manufacturers
- o Flood barriers shall be as manufactured by
 - Flood Panel Ltd. a division or Architecture Metals Ltd.
 - 5500 Military Trail
- Ste 22-220
- Jupiter, Florida 33418
- (0)561-744-2727 Fax 561-744-2755 e-mail: sales@floodpanel.com

2.02 Materials A. Aluminum Flood Log (PP) Panels to be of 6005-T5

- B. Intermediate and End Posts:
- The majority of the post is to be from grade ST37 (S235 JR) or galvanized steel with the exception of below ground supports which are to be of grade 304 stainless steel or equal.
- o C. All steel to be primed with one coat Sherwin Williams Kern Flash rust inhibitive, lead free, primer, or equivalent.
- D. Base Gaskets to be sandwich composite combination low/high compressed set gaskets mechanically retained in the flood logs; 40D medium compression set gaskets retained mechanically in the top of each flood log and low compression gaskets in the

jambs and mid-span supports. > 2.03 Design

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When painting the inside of concrete

watertanks, allow to dry at least 1 week

If desired, a high quality latex paint can be

Masonry Waterproofer after 24 hours for

nervous system causing dizziness, headache

NOTICE: Reports have associated repeated

nervous system damage. Intentional misuse

by deliberately concentrating and inhaling

Use only with adequate ventilation. Do

headache, or dizziness or if air monitoring

demonstrates vapor/mist levels are above

not breathe vapors or spray mist. Ensure

fresh air entry during application and

drying. If you experience eye watering,

applicable limits, wear an appropriate,

approved) during and after application.

properly fitted respirator (NIOSH-

KEEP FROM FREEZING.

and prolonged occupational overexposure from the date of application, warranty

or nausea. Causes eye, nose, and throat

irritation. May be harmful if absorbed

to solvents with permanent brain and

the contents may be harmful or fatal.

through skin. Harmful if swallowed.

Vapor harmful. May affect the brain or

applied over DRYLOK® Extreme Basement &

swimming pools and non-potable

before putting into service.

decorative purposes.



- A. Loads for the design of the Flood Log Flood Panel System (PP) have been determined assuming that the location of the building where the system is to be installed is outside of High Risk Flood Hazard Areas, Coastal High Hazard Areas, and Coastal A zones, per Dry Flood proofing Limitations on ASCE 24-14, Section 6.2.1.
- o B. This Flood Log System Flood Panel System (PP) has been designed for the loads and load combinations listed on the ASCE 7-10, Section 2.0 (Combinations of Loads), including the following flood loads according with ASCE 7-10 Section 5.3.3 (Loads
 - 1) Hydrostatic Loads, caused by water which is either stagnant or moves at velocities less than 5 ft/sec, according with ASCE 24-14, Section 6.2.1 and ASCE 7-10, Sections 5.3.3.2 and C5.3.3.2.
 - 2) Hydrodynamic Loads: Hydrodynamic loads not considered since flow of water is moving at velocities less than 5ft/sec, according with ASCE 24-14, Section 6.2.1 (Dry Flood proofing Limitations). 3) Wave Loads: Only Non-breaking wave action is considered since Non-
 - breaking waves on vertical walls can also be computed as hydrostatic forces, according with FEMA 550-2006, Section 3.4 (Wave Loads) and ASCE 7-10 Section 5.3.3.4 (Wave Loads). Breaking waves and broken waves are proper of other areas where Dry-Flood proofing is not allowed according with ASCE 24-14, Section 6.2.1 (Dry Flood proofing Limitations).
 - 4) Impact Loads: Not considered since Hydrostatic analysis is performed for flow of water moving at velocities of less than 5 ft/sec.
- o C. This Flood Log System Flood Panel System (PP) is designed for a maximum wind load pressure of +/- 126 psf, which is the maximum wind load pressure per Structural
- o D. Frame(s) and Intermediate post(s) shall have mounting holes for connecting anchors and bolts. Anchor type, size, and method dependent on load capabilities of structure.
- o E. The individual Flood log sections shall be 3" deep by 12.25" tall with a top interlocking gasket slot system which includes gaskets and gasket channels between sections and full height in the jamb channels. Multiple logs are to be stacked to meet or exceed the base flood elevation plus additional 12" or 24" for wave action per the job requirements and location. Embed plates may be required at the sill and jambs based on the condition at the opening and the loads imposed on the system. Jamb supports are to be continuous structural steel channels designed specifically for the Flood log system and are to be anchored and sealed to the condition with embeds or mechanical anchors.

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Part 3 – Execution

- > 3.01 Installation
- o A. Install flood barriers in accordance with manufacturer's instructions and approved shop drawings.
- o Building contractor to verify that all surfaces against which the sealing gasket presses must be built "paper-smooth" to prevent excessive water extrusion, beyond that allowed by requirements. All surfaces must be plumb, square and level before installation can begin.
- o All embed plates are to be installed using Dow Corning 995 caulk or equal or waterproof grout at back of support covering full height and width of support and producing squeeze out on all sides to assure proper seal. Sealer by others. o Existing slabs, walls and columns adjacent to openings where flood barriers are to be
- installed shall be waterproofed with a waterproof membrane or a water proof sealer surface treatment prior to the installation of the flood barriers by the contractor.
- o All fixed mill finish aluminum supports must have a protective barrier between the support and the concrete and any dissimilar metals to prevent corrosion.
- Install all supports true and plumb without racking or warping. For Flood Panel LLC to warranty the product supplied, the Flood Barrier installer must provide photos of each opening during and following installation. Inspection of each opening is required per the Flood Certificate by the architect or engineer of record to verify installation compliance with the manufacturers shop drawings and installation instructions. Installer can then uninstall the barrier system and the building contractor shall move the barriers to a storage location as directed by the Architect or Owners

> 3.01 Cleaning, Inspection and Storage

- Inspect all barriers for damaged parts
- Repair or replace damaged installed products and components Touch up all damaged surfaces
- Clean all exposed surfaces and let dry before storing
- > 3.02 Protection Building contractor to move all barriers to designated storage location and shall stack the barriers in a manner that does not damage the gaskets. Position all gaskets away
- from high traffic areas in the storage area to prevent damage to the gaskets. o Protect installed product and finish surfaces from damage during handling, storage and
- Protect all installed product and finished surfaces during normal and general operation.

5500 Military Trail, Suite 22-220, Jupiter, FL 33458 561.744-2727 Fax 561.744.2755 www.floodpanel.com



UNITED GILSONITE LABORATORIES MAILING: P.O. Box 70, Scranton, Pennsylvania, 18501 SHIPPING: 1396 Jefferson Avenue, Dunmore, Pennsylvania, 18509 TOLL FREE: 1-800-UGL-LABS (845-5227) PHONE: 1-570-344-1202 • FAX: 1-570-969-7634 * UNITED GILSONITE LABORATORIE www.UGL.com

PRODUCT DESCRIPTION DRYLOK® is ideal for interior/exterior, above/below grade masonry including cinder and concrete block, stucco, brick, and bare concrete swimming pools. Features Flexible Encapsulated Polymers for a beautiful, smooth waterproof finish pecifically formulated to resist mildew growth on the dry paint film, with the corporation of a biocide. Tested to ASTM D-7088 Resistance to Hydrostatic Pressure and ASTM D-6904 Resistance to Wind-Driven Rain. Stops 15 psi, greater

than a wall of water 33 feet (10 meters) high! Fully transferable 15 year warranty. ■ Bright white, smooth finish Resists mildew growth on the dry paint

> Resists 15 PSI, equivalent to a wall of water DRYTIME: ■ Category 4-resists 140 MPH wind-driven ■ Fully transferable 15 year warranty

Guaranteed to stop water, even under Features flexible encapsulated polymers BASIC USES Ideal for interior, exterior, above or below

concrete swimming pools, stucco, and LIMITATIONS DRYLOK® Extreme Basement & Masonry Waterproofer may be applied over previous coatings in sound condition, but

the warranty is void. Not formulated for

horizontal surfaces subject to foot traffic.

TECHNICAL DATA

Latex base SHEEN: % WEIGHT SOLIDS: DENSITY (LBS./US GAL.): 10.13-20.2 (1.21 ± 0.02 g/L) VISCOSITY: 110-120 Ku @ 77°F (25°C)

 White – ready mixed formula 1 ready mixed color

> 2-3 hours To recoat: 2 hours Note: Maximum cure and dry time will be prolonged when slightly humid and damp, cool conditions Note: When painting the inside of

concrete non-potable watertanks, allow to dry at least 1 week before putting into service. grade masonry walls, basement walls, Warm soapy water retaining walls, foundations, landscape walls, cinder blocks, concrete blocks, bare Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and

> COVERAGE (SQ. FT./GAL.): First coat: Wet: 21 Dry: 10 mils @ 76 sq. ft./gal. Second coat: Wet: 13 Dry: 7 mils @

federal regulations.

depending upon application method, surface texture, and RECOMMENDED FILM THICKNESS/COAT: 21-13 wet mils/2 coats (533-330 microns) SHELF LIFE: 5 Years unopened container FREEZE/THAW: Three cycles CONTAINER SIZES:

One quart (946 mL), One gallon (3.785), and five gallon (18.9 L) containers Does not exceed 100 g/L TINTING

Use alkali-proof universal tinting colorants.

Note: Actual coverage will vary

Use only 50% of color normally ecommended. Do not use more than 2 fl. oz. of colorant per gallon. (15 g/L). SURFACE PREPARATION Masonry surfaces must be clean and free from dirt, dust, grease, oil, form release compound, frost, or paint. Patch all holes or cracks with DRYLOK® Fast Plug®, a fast setting hydraulic cement, and smooth the patch evenly with the surface around it. Check the joint where the floor and wall meet and fill any breaks with DRYLOK® Fast

EFFLORESCENCE, a white, powdery, crystal-like deposit visible on the masonry surface must be removed. DRYLOK® Etch (liquid or powder) or muriatic acid, used according to



manufacturer's directions, are effective efflorescence removal agents. All masonry surfaces are subject to occurrences of efflorescence.

May be applied on slightly damp surfaces, but best results are obtained when applied over dry surfaces. For best waterproofing results, wait for a dry (rain-free) period. WARNING If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC.

EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSHapproved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

STIR THOROUGHLY BEFORE AND DURING APPLICATION. DO NOT THIN. Air and surface temperatures must be 50°F (10°C), or higher. Apply directly on bare masonry. Apply first coat with a roller (3/4" nap), DRYLOK® Brush, or a good quality nylon bristle brush, or sprayer. If rolled, back masonry. If brushed, work the DRYLOK® Extreme Basement & Masonry Waterproofer KEEP OUT OF REACH OF CHILDREN. into the pores of the masonry, making sure to DO NOT TAKE INTERNALLY. fill all pores and pinholes (see IMPORTANT). For information on spray application specifications visit www.UGL.com. Apply two flush eyes with plenty of water for at least 15 coats. Allow to dry 2 hours between coats.

APPLICATION

applied by roller, brush, or spray. IMPORTANT If leaking is still present after two coats, it indicates that pores or pinholes are still wall surface for any pinholes in the

open. After applying the second coat of DRYLOK® Extreme Basement & Masonry Waterproofer, carefully inspect the entire waterproof coating. Any affected area ensure satisfactory waterproofing results. Paint these areas again.

DRYLOK® and Fast Plug® are registered trademarks of United Gilsonite Laboratories (UGL).

The second and subsequent coats may be

should be painted with an additional coat to vomiting. Call poison control center, hospital you. This warranty gives you specific legal emergency room, or physician immediately. Harm - www.P65warnings.ca.gov.

Follow respirator manufacturer's directions applications and/or surfaces. In the event that for respirator use. Close container after each the coating fails, your remedy is limited to brush the first coat to fill any pinholes in the use. Do not get in eyes, on skin, or clothing. either replacement of the product purchased Wash thoroughly after handling. or refund of the purchase price. This is the exclusive remedy. For warranty fulfillment, return used product container and sales receipt to UGL, Technical Customer Service, EYES: In case of eye contact, immediately 1396 Jefferson Ave., Dunmore, PA, 18509. THIS LIMITED WARRANTY EXCLUDES ALL OTHER EXPRESS OR IMPLIED minutes, call poison control center, hospital WARRANTIES, INCLUDING THE emergency room, or physician immediately WARRANTIES OF MERCHANTABILITY SKIN: Wash affected areas with soap and OR FITNESS FOR A PARTICULAR USE OR PURPOSE. UGL will in no event be

water. Consult a physician if irritation INHALATION: If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, call poison control center, hospital emergency room, or physician immediately. INGESTION: If swallowed, do not induce WARNING: Cancer and Reproductive

> DISCLAIMER: This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of UGL's knowledge, or obtained from sources believed by UGL to be accurate, and UGL does not assume any legal responsibility for use or reliance upon same. Before using any product, read the label.

For additional health and safety information

DRYLOK® EXTREME Basement & Masonry

Waterproofer has been Tested to ASTM D

7088 Resistance to Hydrostatic Pressure at

United Gilsonite Laboratories (UGL)

Masonry Waterproofer, when applied

prepared bare masonry surface, will provide

ncludes subsequent owners. There are no

other warranties that extend beyond this

warranty. This warranty shall not apply when

the waterproofer fails due to improper

product application, failure to follow label

cracked structural surfaces, reoccurring

by UGL. Two coats of DRYLOK® Extreme

Basement & Masonry Waterproofer are

but cannot encompass all conditions.

liable for any incidental or consequential

itions on how long an implied warranty

lasts or the exclusion or limitations of incident

or consequential damages, so the above

limitations or exclusions may not apply to

rights, and you may also have other rights

which vary from State to State.

damages. Some States do not allow

directions, inadequate surface preparation,

efflorescence, or any conditions not foreseen

required to assure warranted waterproofing

Label directions are as complete as possible,

a waterproof coating for fifteen (15) years

according to directions on a properly

warrants DRYLOK® Extreme Basement &

Resistance to Wind-Driven Rain of 140 mph.

15 PSI and exceeds ASTM D-6904

LIMITED WARRANTY

please refer to the "Safety Data Sheet".

SPECIFICATION

NOTE: COLOR SWATCHES ARE REPRESENTATIONAL ONLY. LR1119

PERMIT SET REGISTRATION No AR 0014577

ISSUED FOR:

PROOF

SEMINOLE PARK R.R.

11-13-2019

PROJECT no. 19085

HYAC GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE CODES INCLUDING THE NATIONAL ELECTRIC CODE, NFPA AND ALL LOCAL CODES AND ORDINANCES.
- 2. ALL WORK SHALL BE COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. THIS CONTRACTOR SHALL BE REQUIRED TO FURNISH, INSTALL AND CONNECT ALL ITEMS SHOWN ON THE DRAWINGS WITH APPROPRIATE SERVICES AT NO ADDITIONAL COST TO THE OWNER.
- 3. THE PLANS ARE DIAGRAMMATIC AND ARE ONLY INTENDED TO CLARIFY THE SCOPE OF WORK AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. PRIOR TO STARTING THE PROJECT, THIS CONTRACTOR SHALL STUDY THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND COORDINATE ALL WORK WITH THE OTHER TRADES.
- 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION SCHEDULES OF ALL TRADES. FIXED WORK, SUCH AS DUCTWORK/SLEEVES SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUIT, SMALL WATER LINES, ETC.
- 5. IF DIRECTED BY THE OWNER, THE CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH THE WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK
- 6. SMACNA'S "DUCT CONSTRUCTION STANDARD" SHALL BE CONSIDERED PART OF THE SPECIFICATIONS FOR THIS PROJECT. ANY WORK THAT DOES NOT COMPLY WITH THESE STANDARDS MAY BE REJECTED AT ANY STAGE IN THE PROJECT. IF THE REQUIRED WORK HAS NOT BEEN COMPLETED AT THE TIME OF THE ENGINEER'S INSPECTION, THEN THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COMPENSATING THE ENGINEER FOR ANY ADDITIONAL SITE VISITS WHICH MAY BE REQUIRED DUE TO THE MECHANICAL CONTRACTOR'S FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS.

NOTE

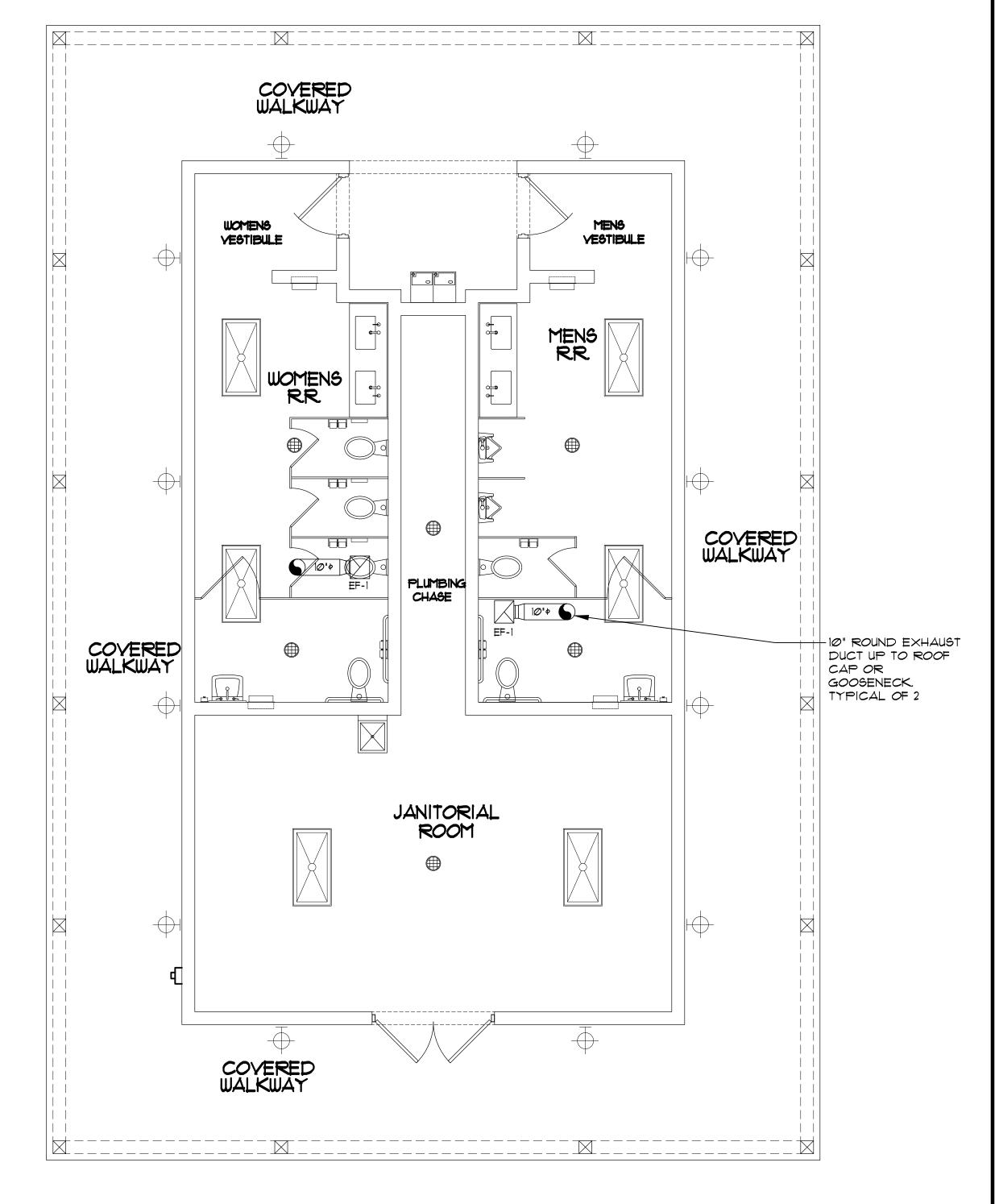
CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIELD CONDITIONS. CONTRACTOR SHALL VISIT SITE AND CONFIRM ALL EXISTING SYSTEMS PRIOR TO SUBMITTING BID. ARCHITECT TO BE NOTIFIED OF ANY CONCERNS OR POTENTIAL PROBLEMS.

EXHAUST FAN SCHEDULE

MARK	-	E F-1	
MANUFACTURER	-	GREENHECK	
MODEL	-	SP	
SIZE	-	A41Ø	
TYPE	-	CEILING	
EXHAUST AIR	CFM	400	
EXT. STATIC PRESSURE	IN. H 0	Ø.125	
MOTOR	WATTS	121	
DRIVE	-	DIRECT	
SPEED	RPM	1000	
SONES	-	3.Ø	
CONTROLS	-	4	
ELECTRICAL	V /φ	115/1	
NOTES	-	1,2,3,5	

NOTE

- . PROVIDE GREENHECK OR APPROVED EQUAL
- 2. PROVIDE BACKDRAFT DAMPER
- 3. PROVIDE VARIABLE SPEED CONTROLLER UNIT MOUNTED
- 4. ON-OFF WALL SWITCH BY OTHERS
- 5. PROVIDE RADIANT DAMPER WHEN USED IN RATED CEILING ASSEMBLY





MECHANICAL FLOOR PLAN

E: 1/4" = 1'-Ø"

MICHAEL F. SOFARELLI, JR. FLORIDA STATE BOARD OF ARCHITECTURE REGISTRATION No. 1
AR 0014577

EL F. SOFARELLI, JE IDA STATE BOARD ARCHITECTURE SISTRATION No. : AR 0014577

LE WATERFRONI JEW RESTROOM EACILITY TANDING BUILDING STRUC

AEL F. SOFARELLI JR. A.I.A.
6365 142nd AVENUE NORTH
ER, FLORIDA 33760 (727) 530-3535

Revisions

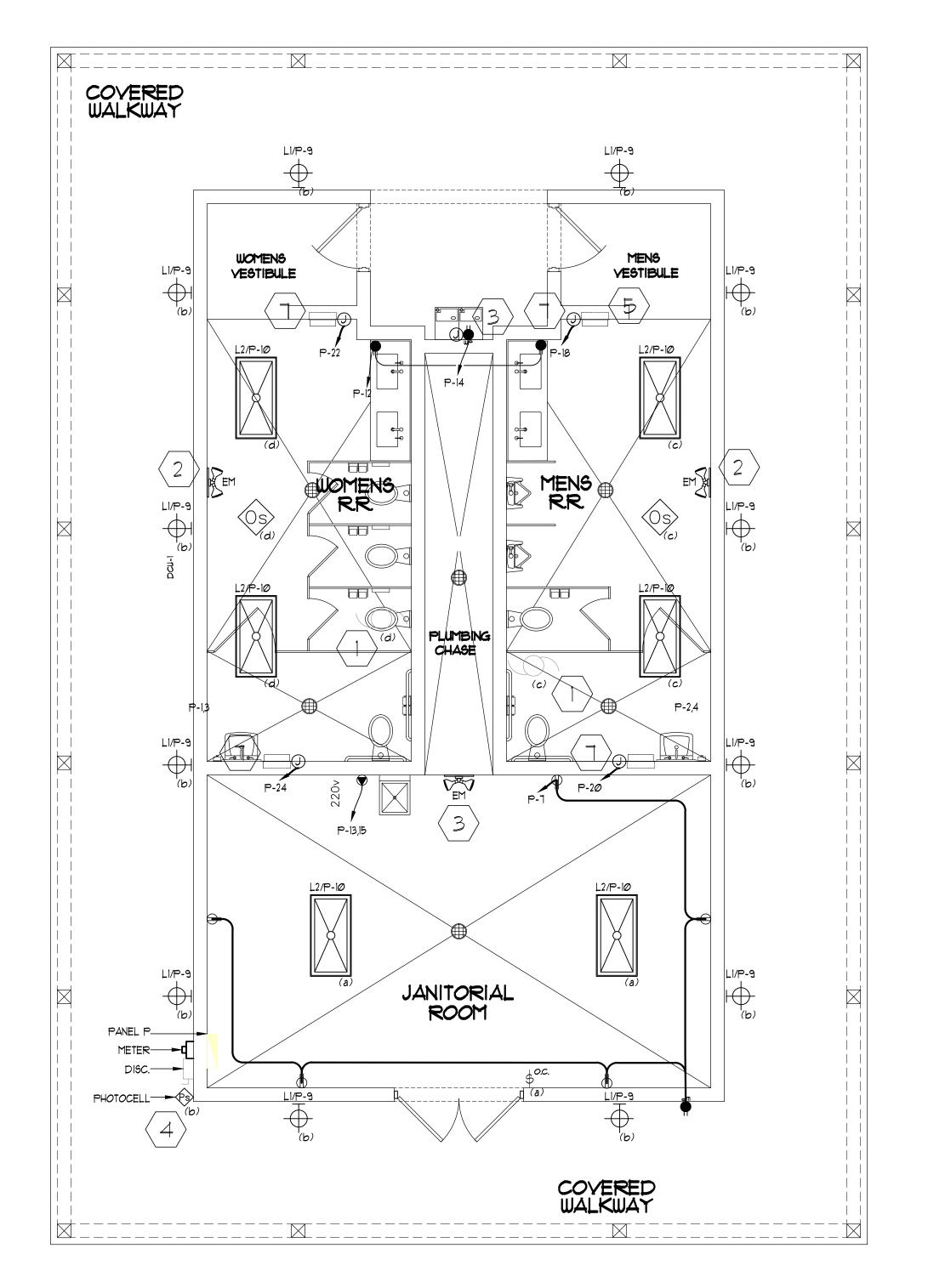
Content: MECHANICAL FLOOR PLAN

Filename: SEMINOLE PARK R.R.

11-13-2019

et.

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Panel P LAKE SEMINOLE RESTROOM - CLEARWATER, FL. - 240/120V 1PH 3W - 100A MCB NEMA 3 - SURFACE - 42K AIC CK# L R H M K N BKR ITEM DESCRIPTION 25/2 25/2 20/1 LTG/EXHAUST 0.36 20/1SPARE 20/1 JANITOR RECEPT 20/1SPARE 9 0.24 20/1 EXTERIOR LGT LTG/EXHAUST 0.78 0.72 20/1 LTG/EXHAUST 20/1 GEN. RECEPT. 11 0.36 20/1 WATER FOUNTAIN 20/2 W/H 0.3 1.2 20/1 SPARE 20/1SPARE 1.45 20/1 XLERATOR MENS 1.45 1.45 20/1 XLERATOR MENS ACC 20/1SPARE 1.45 XLERATOR WOMENS 20/1SPARE 20/11.45 20/1SPARE XLERATOR WOMENS ACC =IG - ISOLATED GRD, =GFI - GRD FAULT REC, =TC - TIME CLOCK Total Connected Ø KVA Conn Dem Conn Dem 1.5 1.9 125% 0.0 Lighting Kitchen Equipment 7.5 7.5 50% > 10 0.0 Receptacles Miscellaneous Heating 2.4 2.4 100% Total KVA 11.4 11.8 Total AMPS Largest Motor 0.0 0.0 125%

PLAN KEYED NOTES

- INTERLOCK EXHAUST FAN OPERATION WITH LIGHT SWITCH TO ACTIVATE UPON OCCUPANCY
- . ALL EMERGENCY LIGHTING TO BE POWERED FROM LOCAL LIGHTING CIRCUIT, WIRED TO ACTIVATE UPON LOSS OF POWER TO CIRCUIT.
- 3. VERIFY DIRECT WIRE OR PLUG REQUIREMENT FOR DRINKING FOUNTAIN AND PROVIDE AS NECESSARY.
- 4. EXTERIOR LIGHTING TO BE CONTROLLED VIA

PHOTOCELL OR ASTRONOMICAL TIMER.

- 5. VERIFY ANY LOW VOLTAGE REQUIREMENTS FOR AUTOMATED APPLIANCE SUCH AS FLUSH OR TOWEL DISPENSARY.
- 6. OCCUPANCY SENSOR TO PROVIDE PRIMARY CONTROL FOR NOTED LIGHTING.

ELECTRICAL REQUIREMENTS.

XLERATOR XL-W AUTOMATIC HAND DRYER. VERIFY

RISER KEY NOTES

RISER KEY NOTES:

LIGHT CONTROLS.

- EXTEND (1) SET OF 4 #1/0, 1 #6 E.G. IN 2" CONDUIT.
- PROVIDE UL LISTED LIGHTNING ARRESTOR, SQUARE D OR APPROVED EQUIVALENT.
- PROVIDE A 100 AMP, 1¢, 240Y METER BASE TO UTILITY COMPANY
- PROVIDE SERVICE RATED DISCONNECT 100 AMP, 10, 120/240V NEMA 3R 42KAIC. BOND GROUND TO NEUTRAL.
- EXTEND #1/0 GROUND ELECTRODE CONDUCTOR SYSTEM TO DRIVEN GROUND RODS, METALLIC COLD WATER PIPE AND BUILDING STEEL.
- 6. PROVIDE 3/4" DIA X 10" LONG DIVE COPPER CLAD GROUND ROD
- BOND OF THE METALLIC COLD WATER PIPE TO THE GROUND ELECTRODE SYSTEM.
- BOND OF THE GROUND ELECTRODE SYSTEM TO BUILDING STEEL AND A 20' LENGTH OF REBAR IN THE FOUNDATION.
- EXTEND A #4 GEC IN 3/4"C TO THE TELEPHONE TERMINAL BOARD IF APPLICABLE.
- 10. EXTEND (1) SET OF 4 #1/0, 1 *6 E.G. IN 2" CONDUIT. PROVIDE APPROVED PHOTOCELL SENSOR FOR EXTERIOR BUILDING

EXTERIOR SPACE 240/120 100A 1q MLO OWNER FINISHED SPACE FLOOR INCOMING TO BLDG STEEL (8) FROM UTL. \langle 9angleGR. ROD

SCALE : N.T.S.

ARC FLASH NOTE

THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL SIGNAGE/LABELS FOR ARC FLASH/SHOCK HAZARD FOR ALL SERVICE EQUIPMENT AS PER N.E.C. ART. 110.24 AND NFPA 10E. SIGNAGE/LABELS MUST SUITABLE TO WITHSTAND THE ENVIRONMENT AND SHALL INCLUDE THE MAXIMUM AVAILABLE FAULT CURRENT, LEVEL OF PPE REQUIRED, APPROACH

BOUNDARIES AND DATE OF CALCULATION.

GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS PRIOR TO SUBMITTING A PROPOSAL.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE.
- ALL CONDUCTORS SHALL BE COPPER, #12 MINIMUM. · ALL CONDUITS SHALL HAVE A PROPERLY SIZED

EQUIPMENT GROUNDING CONDUCTOR.

- PROVIDE ALL NECESSARY PULL/JUNCTION BOXES, SUPPORTS AND MISC. ITEMS FOR A COMPLETE INSTALLATION.
- THE USE OF TYPE 'MC' CABLE MAY BE USED, IF IT MEETS THE REQUIREMENTS OF THE N.E.C.
- PROVIDE TYPE WRITTEN PANEL DIRECTORIES. · ALL WIRING SHALL BE IN A CONTINUOUS CONDUIT SYSTEM.
- ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF SUSPENDED CEILINGS.
- ELECTRICAL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES.
- SWITCHES AND RECEPTACLES SHALL BE 20 AMP COMMERCIAL GRADE AND IVORY IN COLOR. PROVIDE MATCHING COVER
- CONCEAL ALL CONDUITS AND BOXES UNLESS OTHERWISE
- COORDINATE ALL POWER REQUIREMENTS WITH LOCAL POWER COMPANY ENGINEER.
- PROVIDE AND MAINTAIN TEMPORARY POWER AND LIGHTING SYSTEM FOR DURATION OF THE PROJECT.
- EMT FITTINGS SHALL BE DIE CAST SET SCREW. • MAKE FINAL CONNECTIONS TO EQUIPMENT WITH FLEXIBLE METAL CONDUIT. LIQUID TIGHT WHERE EXPOSED TO WEATHER.

LEGEND

INSPECTING AUTHORITIES.

DUPLEX PLUG RECEPTACLE 120-VOLTS.

RISER

ELECTRICAL INSTALLATION

FOR INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM.

THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND WORK REQUIRED

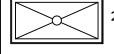
ALL WORK MUST MEET THE APPROVAL OF THE N.E.C. AND ALL OTHER APPLICABLE CODES AND

WORK SHALL BE DONE IN A NEAT WORKMANLIKE MANNER BY EXPERIENCED JOURNEYMEN.

- DUPLEX PLUG RECEPTACLE, GFCI
- 120-VOLTS. DUPLEX PLUG RECEPTACLE, WEATHER PROOF 120-VOLTS.
- 24Ø-VOLTS. EXHAUST FAN, SEE MECHANICAL FOR

SPECIALTY PLUG RECEPTACLE

SPECIFICATIONS.



2'x4' L.E.D. LIGHT FIXTURE

EXTERIOR LIGHT FIXTURE. ACTIVATED BY PHOTO CELL SENSOR.

PHOTOCELL SENSOR.

JUNCTION BOX, SIZE AND USE AS REQUIRED. COVER PLATE SHALL OVERLAP THE BOX EDGE BY 1/2" WHERE RECESSED IN WALL WITH CONCEALED

SURFACE MOUNTED ELECTRICAL PANEL

FUSED DISCONNECT SWITCH, HEAVY DUTY "HP" RATED, PROVIDE WEATHERPROOF COVER OUTDOORS.

WALL SWITCH : SINGLE POLE, 20 AMP., 120 VOLT., O.C. INDICATES OCCUPANCY SENSOR, +48" ABOVE FLOOR

INTERIOR SURFACE MOUNTED L.E.D. LIGHT FIXTURE.

SEMINOLE PARK R.R.

ISSUED FOR:

PERMIT SET

REGISTRATION No.

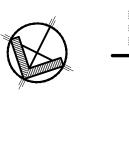
AR 0014577

11-13-2019 PROJECT no. 19085

ELECTRICAL

FLOOR PLAN

Sheet: **E**-



ELECTRICAL FLOOR PLAN

SCALE : 1/4" = 1'-0"

	LIGHTING FIXTURE SCHEDULE										
FIXTURE MARK	FIXTURE DESCRIPTION	LAMP No., TYPE AND WATTAGE	VOLTAGE	FIXTURE WATTS	MOUNTING METHOD AND HEIGHT						
L1	EXTERIOR SURFACE WALL MOUNTED LED UP & DOWN LIGHT WESTGATE MANUFACTURING CCT/LUMENS 3000K/1667	CCT/LUMENS 3000K / 1667- OR SIMILAR	12Ø	20 (10 PER END)	SURFACE						
L2	2X4 LED 4 RECESSED LAMP TROFFER	PLE-50W-126- 28-TG-05 OR SIMILAR	12Ø	57	CEILING						
EM	EMERGENCY LIGHT UNIT, WHITE PLASTIC HOUSING, TWO LED HEADS, 90 MINUTE BATTERY BACK-UP.	LED WITH FIXTURE	12Ø	2	SURFACE						

SWITCH TYPE GUIDE

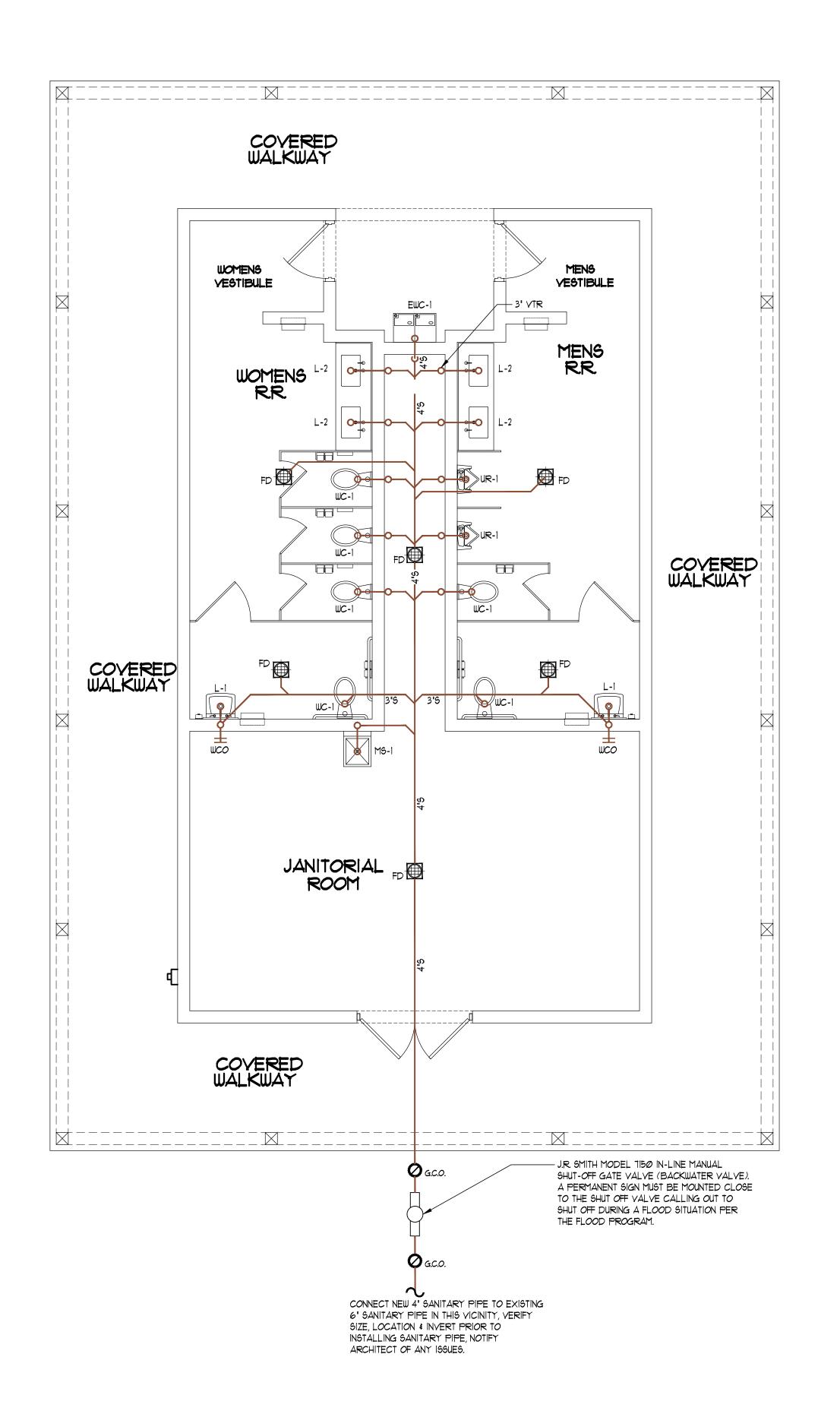
DESCRIPTION

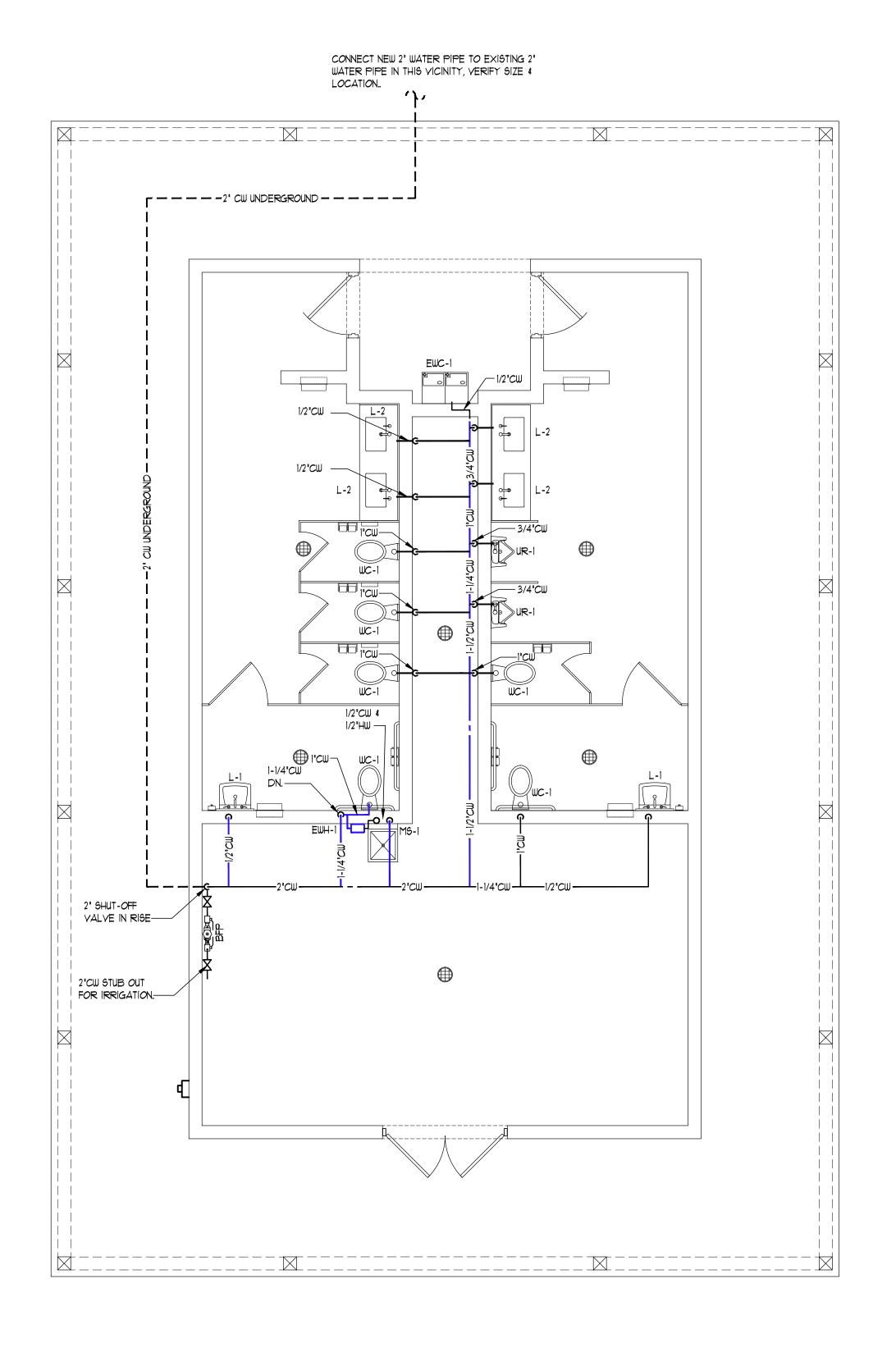
(WHEN APPLICABLE)

-CIELING MOUNT INDICATOR (WHEN APPLICABLE) $\forall \gamma (e)$ Switching scheme or zone. -OCCUPANCY SENSOR TYPE INDICATOR

LIGHTING CIRCUITING GUIDE

SYMBOL	DESCRIPTION
B / X-1 (a)	-LIGHTING TYPE AND CIRCUIT DESIGNATION X: REFER TO PANEL SCHEDULE, PER DRAWING 1: CIRCUIT NUMBER B: LIGHT FIXUTRE TYPE, REFER TO LIGHT FIXTURE SCHEDULE.
	-SWITCHING SCHEME OR ZONE.







PLUMBING FLOOR PLAN - SANITARY



PLUMBING FLOOR PLAN - WATER

ISSUED FOR: FLORIDA STATE BOARD
OF ARCHITECTURE
REGISTRATION No. 1
AR 0014577

FLOOR PLAN

Filename: SEMINOLE PARK R.R.

11-13-2019

PROJECT no. 1908

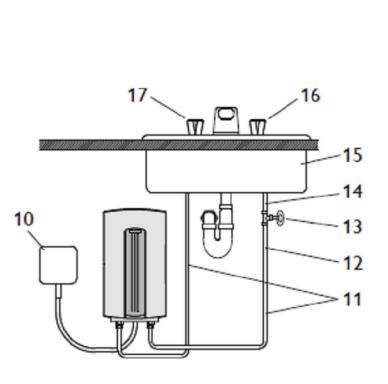
PLUM	BIN	ig legend
SYMBOL	ABBREV.	DESCRIPTION
	SAN	SANITARY SEWER LINE
	V	SANITARY VENT LINE
cp	CD	CONDENSATE DRAIN LINE
	cw	COLD WATER LINE
	⊣W	HOT WATER LINE
0	u p	PIPING UP
	DN	PIPING DOWN
•	BY	BALL VALVE
<u></u>	HB	HOSE BIBB
(#)	-	KEYED NOTE NUMBER

	CLEANOUT SCHEDULE										
MARK	DUTY TYPE	MANUFACTURER	MODEL	CLEAN-OUT TYPE	FULL LINE (SIZE)	DUTY LOCATION					
GCO	GRADE	ZURN		THREADED P.Y.C. CLEAN-OUT WITH PLUG PER ALL CODE REQUIREMENTS	4"	GENERAL					
со	FLOOR	ZURN	Z-1400	HEAVY DUTY C. O. WITH POLISHED BRONZE ACCESS COVER	4"	GENERAL					
NOTES	NOTES: APPROVED EQUALS: J.R. SMITH, JOSAM. *ALL EQUIPMENT FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.										

	DRAIN SCHEDULE											
MARK	DUTY TYPE	MANUFACTURER	MODEL	DRAIN GRATE TYPE	DRAIN BODY SIZE	P-TRAP PIPE SIZE	NOTES					
FD	FLOOR	PROSET SYSTEMS	T3563Ø-F-P	5" ROUND NICKEL BRONZE	5"	3"	Д					
NOTES :	CARE SHO	DULD BE TAKEN NO	OT TO TOUCH FL	EXIBLE MATERIAL WITH F	RIMER OR	SOLVENT						

ELE	C	TRI	C WATE	ER H	E,	<u>4</u> †	ER	SCH	EDL	
SYSTEM	TYPE	NO. REQ'D	MFGR.	MODEL NO.	EWT	L₩Ţ	STORAGE CAPACITY	FLOW RECOVERY	TANK SIZE	REMARKS
DOMESTIC (EWH-1)	ELEC	2	STIEBEL ELTRON	DHC4-2	60	109		49? a Ø.5 GPM	15" X 8"	3.6 KW @ 208/I

ELECTRICAL INSTANTANEOUS WATER HEATER INSTALLATION



Legend to figures

- 1 Hot water connection
- 2 Cold water connection
- 3 Wiring block
- Flow adjustment screw
 Flow switch
- 6 Safety thermal cut out with reset button
- 7 Thermostat8 Heating system
- Mounting holes
 Electrical junction box
- 11 Water supply line for faucet installation
 12 3/8" compression-T
- 12 3/8" compression-13 Shut-off valve
- 14 1/2" main pipe
- 15 Sink 16 Cold valve (right)
- 17 Hot valve (left)
- 18 Wire strain relief clamp 19 Wire inlet
- 20 Filter screen
- 21 Reset button from safety thermal cut out

WATER HEATER TO BE PROVIDED WITH SCALD GUARD THERMOSTAT. EXPANSION TANK AND DRAIN PAN NOT REQUIRED FOR INSTANTANEOUS WATER HEATER.

	Plumbing fixture/Accessory schedule												
MARK	FIXTURE TYPE	MAKE / MODEL	MATERIAL	A.D.A. COMPLIANT ACCESSORIES	REMARKS	TRAP	DRAIN	✓ENT	COLD	НОТ			
WC-1	WATER CLOSET (FLOOR MOUNT) FLUSH TANK, F.B.C. APPROVED, HANDICAPPED A.D.A.	AMERICAN STANDARD "CADET 3" MODEL * 2835.128 WITH TANK MOD 2021.813 (LEVER ON R) ELONGATED BOWL	VITREOUS CHINA	PROVIDE WITH CLOSED FRONT SEAT AND COVER AMERICAN STANDARD MODEL * 5284.016 WITH EVERCLEAN SURFACE FINISH CHROME PLATED ANGLE SUPPLY STOP WITH FLEXIBLE CONNECTION PER MANUFACTURE.	1, 2, 3, 4	INTEGRAL	3"	2"	1/2"	-			
L-1	LAVATORY (WALL HUNG) TOP OF FRONT RIM AT 34" A.F.F. A.D.A. HANDICAPPED COMPLIANT (REF. PLUMBING GENERAL NOTE *6)	AMERICAN STANDARD "LUCERNE" MODEL # 0355.012	VITREOUS CHINA	DELT MODEL 501 FAUCET OFFSET P-TRAP WITH PADDING PER A.D.A. STANDARD CHROME PLATED ANGLE SUPPLY STOP WITH CHROME PLATED FLEXIBLE CONNECTION AND CHROME PLATED GRID DRAIN PER MANUFACTURE.	1, 2, 3, 4, 5	1 1/4"	2"	2"	1/2"	1/2"			
L-2	LAVATORY - UNDERMOUNT	AMERICAN STANDARD STUDIO 21-1/8 UNDERMOUNT PORCRLAIN SINK	VITREOUS CHINA	FAUCET TO BE SULECTED BY OWNER, PLATED ANGLE SUPPLY STOP WITH CHROME PLATED FLEXIBLE CONNECTION AND CHROME PLATED GRID DRAIN PER MANUFACTURE.	1, 2, 3, 4, 5	1 1/4"	2"	2"	1/2"	1/2"			
UR-1	URINAL (WALL HUNG) TOP OF FRONT RIM AT 15' A.F.F. ADA HANDICAPPED COMPLIANT	AMERICAN STANDARD "WASHBROOK" MODEL # 6590.005	VITREOUS CHINA	SLOAN ROYAL MODEL 186-05 FLUSH VALVE AMERICAN STANDARD STAINLESS STEEL STRAINER MODEL # 047068-0070A	1, 2, 4, 5	INTEGRAL	2"	2"	3/4"	-			
MS-1	UTILITY SINK	E. L. MUSTEE & SONS, INC. MODEL * 19cf	COMPOSITE	SINK MODEL INCLUDES LEGS AND FAUCET P-TRAP PER FIXTURE MANUFACTURER	2, 4	1 1/2"	2"	2"	1/2"	1/2"			
HB	HOSE BIBB	JAY R. SMITH 5609 QT, NON-FREEZE WITH INTEGRAL VACUUM BREAKER.	BRONZE		-	-	-	-	1/2"	1			
BFP	BACKFLOW PREVENTER	WATT MODEL *LF009	BRONZE		2, 4	-	-	-	2"	-			

REMARKS: I. FIXTURE COLOR IS WHITE.

- 2. INSTALL PER MANUFACTURER'S SPECIFICATIONS AND ALL APPLICABLE CODES.
- 3. MOUNT @ HANDICAP HEIGHT PER MANUFACTURER'S SPECIFICATIONS.
- 4. FIXTURE PURCHASED TO BE MODEL AND FITTINGS AS SPECIFIED OR EQUAL.
- 5. PROVIDE WITH WALL CARRIER SYSTEM BY JOSAM, SMITH, WADE OR ZURN SUITABLE FOR WALL TYPE AND MATCHING FIXTURE TYPE PER FIXTURE MANUFACTURER AND FLORIDA BUILDING CODE.

PLUMBING GENERAL NOTES

CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES AND HEALTH REGULATIONS HAVING JURISDICTION. CONTRACTOR SHALL PAY ALL FEES AND PERMITS REQUIRED.

- CONTRACTOR SHALL GUARANTEE INSTALLATION AGAINST DEFECTS IN WORKMANSHIP, EQUIPMENT AND MATERIAL FURNISHED ON PROJECT FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. PROVIDE EXTENDED GUARANTEES FOR EQUIPMENT SUCH AS WATER HEATERS WHEN REQUIRED.
- 3. DRAWINGS ARE DIAGRAMMATIC AND INTEND TO SHOW APPROXIMATE LOCATION OF PIPING, FIXTURES, ETC. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND COORDINATE WITH OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. INSTALL ALL WORK WITHOUT CONFLICT WITH OTHER TRADES AND MAKE MINOR ALTERATIONS AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.
- 4. ALL HORIZONTAL AND VERTICAL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. SUPPORTS SHALL SECURELY HOLD PIPING, PREVENT VIBRATION, COMPENSATE FOR STATIC AND OPERATIONAL CONDITIONS OF THE VARIOUS SYSTEMS, AND SHALL NOT BE SUBJECT TO ELECTROLYTIC ACTION.
- 5. CONTRACTOR TO COORDINATE AND INSTALL, IF REQUIRED FOR THIS PROJECT, NEW WATER METER AS PER REQUIREMENTS OF LOCAL UTILITY COMPANY. CONTRACTOR SHALL INCLUDE ALL TAP FEES AND COSTS INTO BID FOR A COMPLETE INSTALLATION.
- 6. DOMESTIC WATER PIPING OUTSIDE OF THE BUILDING BURIED BELOW GRADE SHALL BE TYPE "K" SOFT COPPER WATER PIPING PASSING THROUGH OR UNDER FOOTINGS OR FOUNDATION WALLS SHALL BE SLEEVED OR OTHERWISE PROTECTED. COPPER PIPING PASSING UNDER AND THROUGH CONCRETE SLAB SHALL BE PROTECTED BY A PROTECTIVE SHEATHING OR WRAPPING TO PREVENT CORROSION TO THE
- 1. ALL DOMESTIC HOT WATER AND COLD WATER PIPING ABOVE SLAB SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS USING "NO-LEAD" SOLDER, DOMESTIC WATER PIPING BELOW CONCRETE SLAB SHALL BE TYPE "K" SOFT COPPER, NO SOLDER JOINTS ARE ALLOWED BELOW CONCRETE SLAB, COPPER PIPING PASSING UNDER AND THROUGH CONCRETE SLAB OR WALLS SHALL BE PROTECTED WITH A PROTECTIVE SHEATHING OR WRAPPING TO PREVENT CORROSION TO THE COPPER PIPING.

- 8. VALVES SERVING DOMESTIC WATER SYSTEMS SHALL BE FULL PORT BALL VALVES OR APPROVED EQUAL. ALL VALVES SHALL BE LOCATED SO AS TO BE ACCESSIBLE BY MAINTENANCE PERSONNEL.PROVIDE ACCESS PANELS AS REQUIRED.
- 9. CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND INVERT AT THE POINT OF CONNECTION TO THE SEWER SYSTEM BEFORE DETERMINING FINAL ROUTING OF SOIL, WASTE AND VENT PIPING.
- 10. ALL SOIL, WASTE AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON OR SCHEDULE 40 PVC DWV PLASTIC PIPE WHERE ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION FOR THIS INSTALLATION. PROVIDE 3M FIRE BARRIER CAULK CP-25 CAULKING, OR U.L. APPROVED EQUAL, AT ANY PENETRATION OF FIRE RATED ASSEMBLIES.
- 11. ALL SOIL, WASTE AND VENT PIPING SHALL BE UNIFORMLY GRADED AND SHALL HAVE A SLOPE OF NOT LESS THAN 1/4" PER FOOT FOR PIPING 3" IN DIAMETER AND SMALLER AND 1/8" PER FOOT FOR PIPE LARGER THAN 3" IN DIA.
- 12. PLUMBING PIPING, FITTINGS, MATERIALS AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST FLORIDA BUILDING CODE / PLUMBING EDITION AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- 13. TEST PLUMBING SYSTEMS AS REQUIRED BY CODE.
- 14. CONTRACTOR SHALL COORDINATE ALL FIXTURE CONNECTIONS WITH FIXTURE MANUFACTURER'S DRAWINGS AND SUPPLIER.
 INSTALL FIXTURES AND MAKE FINAL CONNECTIONS FURNISHING SHUT OFF VALVES, ESCUTCHEONS, P-TRAPS, AND PIPING.
 AS REQUIRED BY FIXTURE MANUFACTURER'S INSTRUCTIONS.
- 15. CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES INVOLVED IN ORDER TO AVOID ANY PIPE ROUTING PROBLEMS.
- 16. THE INSTALLATION OF ALL PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE AND A.D.A. FOR FIXTURE AND ACCESSORIES HEIGHTS, SPACING AND CLEARANCES. INSTALL FIXTURE AND ACCESSORIES PER FIXTURE MANUFACTURER'S SPECIFICATIONS AND ROUGH-IN DRAWINGS.
- 17. ALL PUBLIC LAVATORY SHALL HAVE A MIXING VALVE SET TO 105° F. AND CONFORMS TO ASSE 1070.

MICHAEL F. SOFARELLI, JR. FLORIDA STATE BOARD OF ARCHITECTURE REGISTRATION No. :
AR 0014577

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SOFARELLI & ASSOC MICHAEL F. SOF/ 6365 142nd CLEARWATER, FLORIDA

Revisions

PLUMBING SCHEDULES

Filename: SEMINOLE PARK R.R.

Date:

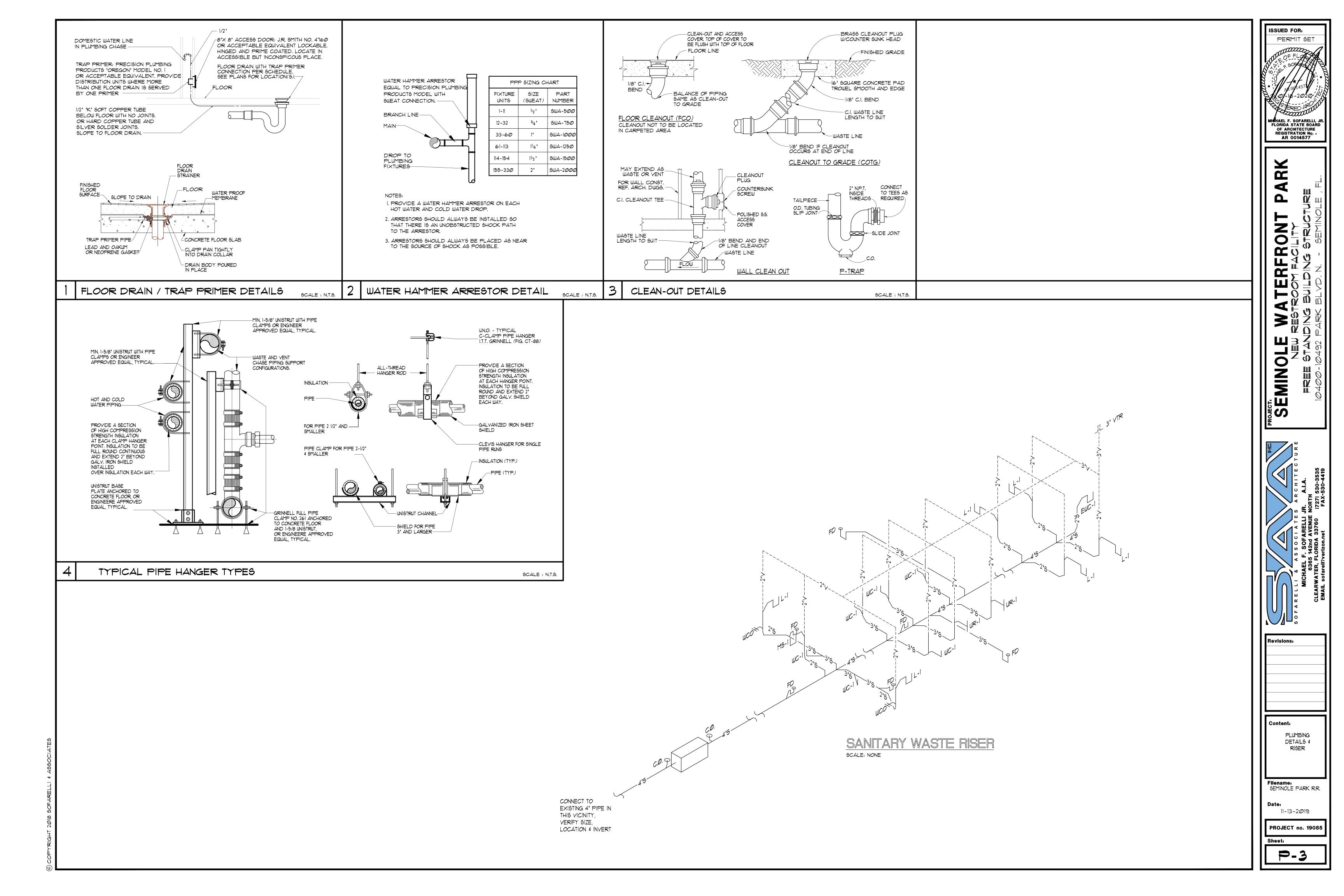
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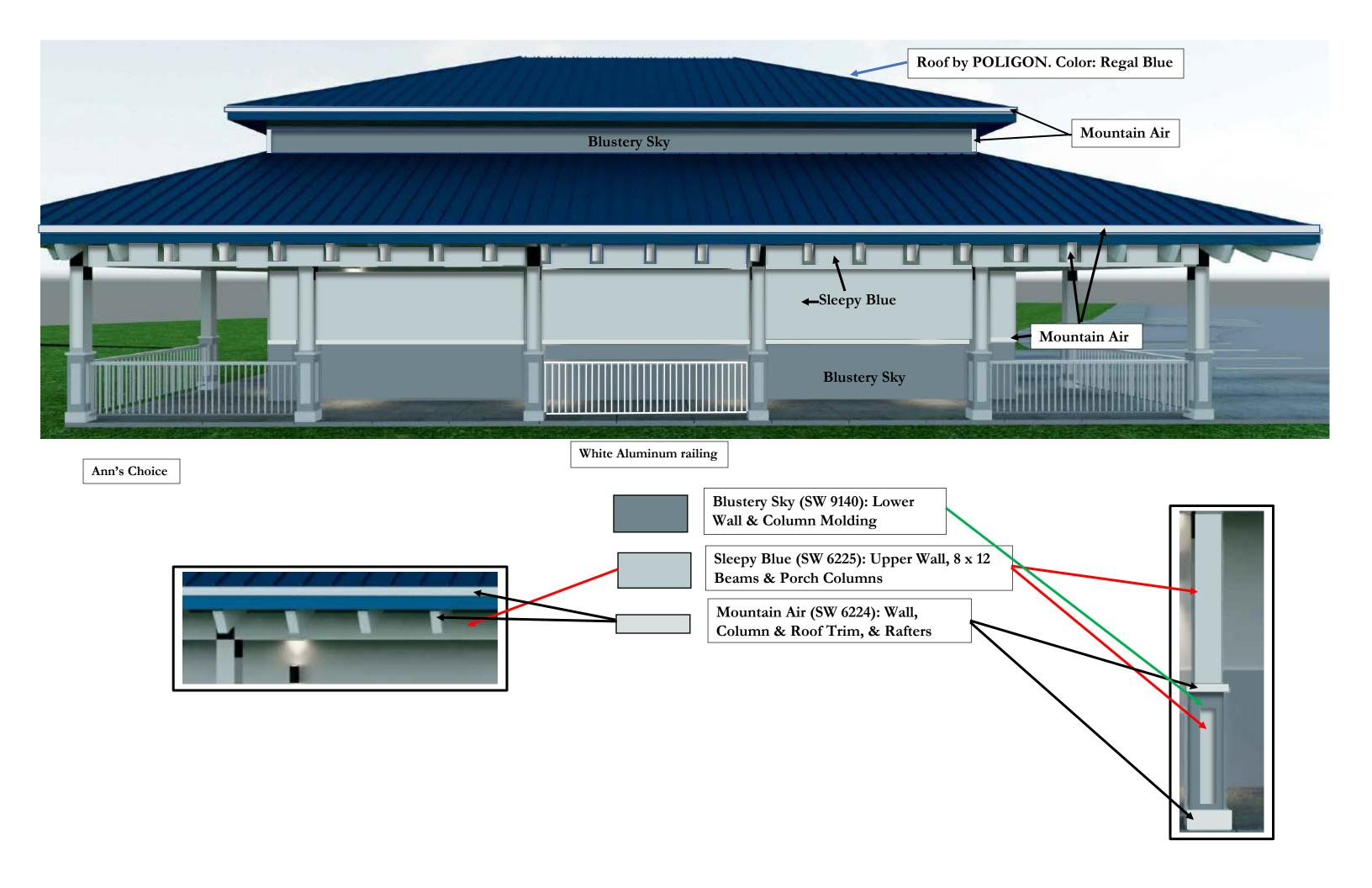
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CONCRETE SIDEWALK SPECIFICATIONS

Specifications

SCOPE

The work to be performed under this contract shall include the selling and delivering and the installing of 4" Cast in Place Concrete Sidewalk with Fiber Mesh. Includes excavation, compacting, finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, control joints, expansion joints, screed, broom finish, and curing. The sidewalk shall be installed to the same width (10') as the existing sidewalk. City to provide surveying as needed.

REFERENCES

Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction 2019

Section 346 "Portland Cement Concrete".

Section 522 "Concrete Sidewalk and Driveways".

ACCEPTABLE MATERIALS

- A. The concrete mix shall produce standard weight concrete with the following properties to be verified by the use of the appropriate listed test methods.
 - 1. Compressive strength: 3,000 psi at 28 days tested according to ASTM designation C31 (AASHTO T23)
 - 2. Slump Range: 2-4 inches tested according to ASTM designation C143 (AASHTO T119)
 - 3. Joint materials shall be in accordance with FDOT Specification Section 932.

PAYMENT

Concrete Sidewalks and Driveways – per square yard