

INVITATION TO BID

CITY OF NAPLES
PURCHASING DIVISION
CITY HALL, 735 8TH STREET SOUTH
NAPLES, FL 34102

PH: 239-213-7100 FX: 239-213-7105

Cover Sheet

Non-mandatory Pre-Bid Meeting October 20, 2017; 10:00 AM local time at Naples Fire Station #2, 977 26th Ave - N, Naples FL, 34103

LEGAL NAME OF PARTNERSHIP, CORPORATION OR INDIVIDUAL:	
MAILING ADDRESS:	
WAILING ADDRESS.	
CITY CTATE 7ID.	
CITY-STATE-ZIP:	
PH:	EMAIL:
FX:	WEB ADDRESS:
AUTHORIZED SIGNATURE DATE	PRINTED NAME/TITLE
interest in and to all causes of action it may now or he States and the State of FL for price fixing relating to acquired by the City of Naples. At the City's discretion at the time the City tenders final payment to the bidder.	s, supplies, or equipment and is in all respects fair and inditions of this bid and certify that I am authorized to City of Naples the bidder offers and agrees that if the or transfer to the City of Naples all rights, title, and creafter acquire under the Anti-trust laws of the United of the particular commodities or services purchased or in, such assignment shall be made and become effective
FEI/EIN Numbe	er
Please initial b I acknowledge receipt/ revieAddendum #1Addendum #2	

PLEASE NOTE THE FOLLOWING

- > This page <u>must be completed and returned</u> with your bid.
- > Bids must be submitted in a sealed envelope, marked with solicitation number & opening date.
- > All submissions must be received and date stamped by Purchasing staff prior to the above "OPENING DATE & TIME".
- > Submission received after the above opening date and time will not be accepted.
- > Evaluation scores will be available on the City of Naples web site www.naplesgov.com. If you do not have computer access and want a copy of the evaluation scores, please enclose a stamped, self-addressed envelope with your bid.

GENERAL CONDITIONS

- TO ENSURE ACCEPTANCE OF THE PROPOSAL, PLEASE FOLLOW THESE INSTRUCTIONS. ANY AND ALL SPECIAL CONDITIONS, ATTACHED HERETO, HAVE PRECEDENCE.
- 1. **SEALED PROPOSAL:** All proposals must be submitted in a sealed envelope. The face of the envelope shall contain the proposal name and proposal number. Proposals not submitted on attached cover form shall be rejected. All proposals are subject to the conditions specified herein. Those which do not comply with these conditions are subject to rejection.
- **2. EXECUTION OF PROPOSAL**: Proposal must contain a manual signature of authorized representative in the proposal section. Proposal must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by proposer to his proposal must be initialed.
- **3. NO PROPOSAL:** If not submitting a proposal, respond by returning the Statement of No Proposal and explain the reason in the spaces provided. Failure to respond 3 times in succession without justification shall be cause for removal of the supplier's name from the proposal mailing list. NOTE: To qualify as a respondent, proposer must submit a "NO PROPOSAL," and it must be received no later than the stated proposal opening date and hour.
- **4. PROPOSAL OPENING**: Shall be public, on the date and at the time specified on the proposal form. It is the proposer's responsibility to assure that his proposal is delivered at the proper time and place of the proposal opening. Proposals which for any reason are not so delivered will not be considered. Offers by telegram; telephone; or fax are not acceptable. Proposal files may be examined during normal working hours.
- **5. WITHDRAWAL OF PROPOSALS:** Withdrawal of a proposal within sixty (60) days after the opening of proposals is subject to suspension or debarment in accordance with Policy 7-4 for up to three years.
- **6. PRICES, TERMS and PAYMENT**: Firm Prices shall be proposal and include all packing, handling, shipping charges and delivery to the destination shown herein. Proposer is encouraged to offer cash discount for prompt invoice payment. Terms of less than 20 days will not be considered.
- **A. TAXES**: The City of Naples does not pay Federal Excise and Sales taxes on direct purchases of tangible personal property. See exemption number on face of purchase order. This exemption does not apply to purchases of tangible personal property made by contractors who use the tangible personal property in the performance of contracts for the improvement of City-owned real property.
- **B. MISTAKES**: Proposers are expected to examine the specifications, delivery schedule, proposal prices, extensions, and all instructions pertaining to supplies and services. Failure to do so will be at proposer's risk. In case of mistake in extension, the unit price will govern.
- **C. CONDITION AND PACKAGING:** It is understood and agreed that any item offered or shipped as a result of this proposal shall be a new, current standard production model available at the time of this proposal. All containers shall be suitable for storage or shipment, and all prices shall include standard commercial packaging.
- **D. SAFETY STANDARDS:** Unless otherwise stipulated in the proposal, all manufactured items and fabricated assemblies shall comply with applicable requirements of Occupational Safety and Health Act and any standards there under.
- **E.** UNDERWRITERS' LABORATORIES: Unless otherwise stipulated in the proposal, all manufactured items and fabricated assemblies shall carry U.L. approval and re-examination listing where such has been established.
- **F. PAYMENT:** Payment will be made by the buyer after the items awarded to a vendor have been received, inspected, and found to comply with award specifications, free of damage or defect and properly invoiced. All invoices shall bear the purchase order number. Payment for partial shipments shall not be made unless specified in the proposal. Failure to follow these instructions may result in delay in processing

invoices for payment. In addition, the purchase order number must appear on bills of lading, packages, cases, delivery lists and correspondence.

- **7. DELIVERY:** Unless actual date of delivery is specified (or if specified delivery cannot be met), show number of days required to make delivery after receipt of purchase order in space provided. Delivery time may become a basis for making an award (see Special Conditions). Delivery shall be within the normal working hours of the user, Monday through Friday, unless otherwise specified.
- 8. MANUFACTURERS' NAMES AND APPROVED EQUIVALENTS: Any manufacturers' names, trade names, brand names, information and/or catalog numbers listed in a specification are for information and not intended to limit competition. The proposer may offer any brand for which he is an authorized representative, which meets or exceeds the specification for any item(s). If proposals are based on equivalent products, indicate on the proposal form the manufacturer's name and number. Proposer shall submit with his proposal, cuts, sketches, and descriptive literature, and/or complete specifications. Reference to literature submitted with a previous proposal will not satisfy this provision. The proposer shall also explain in detail the reason(s) why the proposed equivalent will meet the specifications and not be considered an exception thereto. Proposals which do not comply with these requirements are subject to rejection. Proposals lacking any written indication of intent to quote an alternate brand will be received and considered in complete compliance with the specifications as listed on the proposal form.
- **9. INTERPRETATIONS:** Any questions concerning conditions and specifications shall be directed in writing to this office for receipt no later than ten (10) days prior to the proposal opening. Inquiries must reference the date of proposal opening and proposal number. Failure to comply with this condition will result in proposer waiving his right to dispute the proposal.
- 10. CONFLICT OF INTEREST: All proposal awards are subject to Section 2-973 Conflict of Interest, City of Naples Code of Ordinances, which states: "No public officer or employee shall have or hold any employment or contractual relationship with any business entity or any agency which is subject to the regulation of or is doing business with the city; nor shall an officer or employee have or hold any employment or contractual relationship that will create a continuing or frequently recurring conflict between his private interests and the performance of his public duties or that would impede the full and faithful discharge of his public duties. Any member of the city council or any city officer or employee who willfully violates this section shall be guilty of malfeasance in office or position and shall forfeit his office or position. Violation of this section with the knowledge, express or implied, of the person or corporation contracting with or making a sale to the city shall render the contract or sale voidable by the city manager or the city council."
- **11. AWARDS:** As the best interest of the City may require, the right is reserved to make award(s) by individual item, group of items, all or none, or a combination thereof; to reject any and all proposals or waive any minor irregularity or technicality in proposals received.
- **12. ADDITIONAL QUANTITIES:** For a period not exceeding ninety (90) days from the date of acceptance of this offer by the buyer, the right is reserved to acquire additional quantities up to but not exceeding those shown on proposal at the prices proposal in this invitation. If additional quantities are not acceptable, the proposal sheets must be noted "PROPOSAL IS FOR SPECIFIED QUANTITY ONLY." (THIS PARAGRAPH DOES NOT APPLY FOR A TERM CONTRACT.)
- **13. SERVICE AND WARRANTY:** Unless otherwise specified, the proposer shall define any warranty service and replacements that will be provided during and subsequent to this contract. Proposers must explain on an attached sheet to what extent warranty and service facilities are provided.
- **SAMPLES:** Samples of items, when called for, must be furnished free of expense, on or before proposal opening time and date, and if not destroyed may, upon request, be returned at the proposer's expense. Each individual sample must be labeled with proposer's name, manufacturer's brand name and number, proposal number and item reference. Request for return of samples shall be accompanied by instructions which include shipping authorization and name of carrier and must be received with your

proposal. If instructions are not received within this time, the commodities shall be disposed of by the City of Naples.

- **PROPOSAL PROTEST:** The city has formal proposal protest procedures that are available on request.
- **16. INSPECTION, ACCEPTANCE AND TITLE:** Inspection and acceptance will be at destination unless otherwise provided. Title and risk of loss or damage to all items shall be the responsibility of the contract supplier until accepted by the ordering agency, unless loss or damage results from negligence by the ordering
- **17. DISPUTES**: In case of any doubt or difference of opinion as to the items to be furnished hereunder, the decision of the buyer shall be final and binding on both parties.
- **18. GOVERNMENTAL RESTRICTIONS:** In the event any governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of the items offered on this proposal prior to their delivery, it shall be the responsibility of the successful proposer to notify the buyer at once, indicating in his letter the specific regulation which required an alteration. The City reserves the right to accept any such alteration, including any price adjustments occasioned thereby, or to cancel the contract at no expense to the City.
- **19. LEGAL REQUIREMENTS:** Applicable provision of all Federal, State, county and local laws, and of all ordinances, rules, and regulations shall govern development submittal and evaluation of all proposals received in response hereto and shall govern any and all claims and disputes which may arise between person(s) submitting a proposal response hereto and the City of Naples by and through its officers, employees and authorized representatives, or any other person, natural or otherwise; and lack of knowledge by any proposer shall not constitute a cognizable defense against the legal effect thereof.
- 20. PATENTS AND ROYALTIES: The proposer, without exception, shall indemnify and save harmless the City of Naples and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Naples. If the proposer uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the proposal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.
- **21. ADVERTISING:** In submitting a proposal, proposer agrees not to use the results there from as a part of any commercial advertising.
- **22. ASSIGNMENT**: Any Purchase Order issued pursuant to this proposal invitation and the monies which may become due hereunder are not assignable except with the prior written approval of the buyer.
- **23. LIABILITY:** The supplier shall hold and save the City of Naples, its officers, agents, and employees harmless from liability of any kind in the performance of this contract.
- **24. PUBLIC ENTITY CRIMES**: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
- **25. DISCRIMINATION:** An entity or affiliate who has been placed on the discriminatory vendor list may not submit a proposal on a contract to provide goods or services to a public entity, may not submit a

proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity.

- **26. COUNTY TAXES**: No proposal shall be accepted from and no contract will be awarded to any person, firm or corporation that is in arrears to the government of Collier County, Florida.
- **27. OFFER EXTENDED TO OTHER GOVERNMENTAL ENTITIES**: The City of Naples encourages and agrees to the successful proposer extending the pricing, terms and conditions of this solicitation or resultant contract to other governmental entities at the discretion of the successful proposer.

IF THIS PROPOSAL IS FOR A TERM CONTRACT, THE FOLLOWING CONDITIONS SHALL ALSO APPLY

- **28. ELIGIBLE USERS**: All departments of the City of Naples are eligible to use this term contract. Such purchases shall be exempt from the competitive proposal requirements otherwise applying to their purchases.
- **29. PRICE ADJUSTMENTS:** Any price decrease effectuated during the contract period by reason of market change shall be passed on to City of Naples. Price increases are not acceptable.
- **30. CANCELLATION:** All contract obligations shall prevail for at least one hundred eighty (180) days after effective date of contract. After that period, for the protection of both parties, this contract may be cancelled in whole or in part by either party by giving thirty (30) days prior written notice to the other party.
- **31. RENEWAL**: The City of Naples reserves the option to renew the period of this contract, or any portion thereof for up to two (2) additional periods. Renewal of the contract period shall be by mutual agreement in writing.
- **32. ABNORMAL QUANTITIES**: While it is not anticipated, should any unusual or abnormal requirements arise, the City reserves the right to solicit separate proposals thereon.
- **33. FISCAL NON-FUNDING CLAUSE**: In the event sufficient funds are not budgeted for a new fiscal period, the City shall notify the contractor of such occurrence and the contract shall terminate on the last day of the current fiscal year without penalty or expense to the City.

IF THIS PROPOSAL IS FOR PERFORMING A SERVICE, THE FOLLOWING CONDITIONS SHALL ALSO APPLY

- **34. ALTERNATIVE PROPOSALS:** Proposers offering service delivery methods other than those permitted by the scope of work may submit a separate envelope clearly marked "ALTERNATIVE PROPOSAL". Alternative proposals will be deemed non-responsive and will not be considered for award. All such responses will, however, be examined prior to award. Such examination may result in cancellation of all proposals received to permit rewriting the scope of work to include the alternative method, or the alternative method may be considered for future requirements of the City of Naples.
- **35. ANTITRUST:** By entering into a contract, the contractor conveys, sells, assigns and transfers to the City of Naples all rights, titles and interest it may now have or hereafter acquire under the antitrust laws of the United States and the State of Florida that relate to the particular goods or services purchased or acquired by the City of Naples under said contract.

- **36. PROPOSER INVESTIGATIONS:** Before submitting a proposal, each proposer shall make all investigations and examinations necessary to ascertain all site conditions and requirements affecting the full performance of the contract and to verify any representations made by the City of Naples upon which the proposer will rely. If the proposer receives an award as a result of its proposal submission, failure to have made such investigations and examinations will in no way relieve the proposer from its obligation to comply in every detail with all provisions and requirements of the contract documents, nor will a plea of ignorance of such conditions and requirements be accepted as a basis for any claim whatsoever by the contractor for additional compensation.
- **37. CERTIFICATES AND LICENSES:** The Contractor, at time of proposal, shall possess the correct occupational licenses, all professional licenses or other authorizations necessary to carry out and perform the work required by the City of Naples and Collier County for this project pursuant to all applicable Federal, State and Local Laws, Statues, Ordinances, and rules and regulations of any kind.
- **38. CHANGE IN SCOPE OF WORK:** The City of Naples may order changes in the work consisting of additions, deletions or other revisions within the general scope of the contract. No claims may be made by the contractor that the scope of the project or of the contractor's services has been changed, requiring changes to the amount of compensation to the contractor or other adjustments to the contract unless such changes or adjustments have been made by written amendment to the contract signed by the City of Naples and the contractor. If the contractor believes that any particular work is not within the scope of the project, is a material change, or will otherwise require more compensation to the contractor, the contractor must immediately notify the City in writing of this belief. If the City believes that the particular work is within the scope of the contract as written, the contractor will be ordered to and shall continue with the work as changed and at the cost stated for the work within the scope.
- **39. CONTRACTOR PERSONNEL**: The City of Naples shall, throughout the life of the contract, have the right of reasonable rejection and approval of staff or subcontractors assigned to the work by the contractor. If the City reasonably rejects staff or subcontractors, the contractor must provide replacement staff or subcontractors satisfactory to the City in a timely manner and at no additional cost to the City. The day-to-day supervision and control of the contractor's employees and sub-contractors is the responsibility solely of the contractor.
- **COST REIMBURSEMENT**: The contractor agrees that all incidental costs, including allowances for profit and tools of the trade, must be included in the proposal rates. If an arrangement is made between the contractor and the City to reimburse the contractor for the cost of materials provided in the performance of the work, the contractor shall be reimbursed in the following manner: The City shall reimburse the contractor on completion and acceptance of each assigned job, only for those materials actually used in the performance of the work that is supported by invoices issued by the suppliers of the contractor describing the quantity and cost of the materials purchased. No surcharge shall be added to the supplier's invoices or included in the contractor's invoice submitted to the City that would increase the dollar amount indicated on the supplier's invoice for the materials purchased for the assigned job.
- **41. EXCEPTIONS**: Proposers taking exception to any part or section of the solicitation shall indicate such exceptions on the proposal form. Failure to indicate any exception will be interpreted as the proposer's intent to comply fully with the requirements as written. Conditional or qualified proposals, unless specifically allowed, shall be subject to rejection in whole or in part.
- **42. FAILURE TO DELIVER:** In the event of the contractor to fail to deliver services in accordance with the contract terms and conditions, the City, after due oral or written notice, may procure the services from other sources and hold the contractor responsible for any resulting purchase and administrative costs. This remedy shall be in addition to any other remedies that the City may have.
- **43. FAILURE TO ENFORCE**: Failure by the City at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the City to enforce any provision at any time in accordance with its terms.

- **44. FORCE MAJEURE:** The contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions and acts of God beyond the control of the contractor, unless otherwise specified in the contract.
- 45. INDEPENDENT CONTRACTOR: The contractor shall be legally considered an independent contractor and neither the contractor nor its employees shall, under any circumstances, be considered servants or agents of the City of Naples and the City of Naples shall be at no time legally responsible for any negligence or any wrongdoing by the contractor, its servants or agents. The City of Naples shall not withhold from the contract payments to the contractor any federal income taxes, Social Security tax, or any other amounts for benefits to the contractor. Further, the City shall not provide to the contractor any insurance coverage or other benefits, including Workers' Compensation normally provided by the City for its employees.
- **46. ORAL STATEMENTS**: No oral statement of any person shall modify or otherwise affect the terms, conditions or specifications stated in this contract. All modifications to the contract must be made in writing by the City of Naples.
- **QUALIFICATIONS OF PROPOSERS:** The proposer may be required, before the award of any contract, to show to the complete satisfaction of the City of Naples that it has the necessary facilities, ability, and financial resources to provide the service specified therein in a satisfactory manner. The proposer may also be required to give a past history and references in order to satisfy the City in regard to the proposer's qualifications. The City may make reasonable investigations deemed necessary and proper to determine the ability of the proposer to perform the work, and the proposer shall furnish to the City all information for this purpose that may be requested. The City reserves the right to reject any proposal if the evidence submitted by, or investigation of, the proposer fails to satisfy the City that the proposer is properly qualified to carry out the obligations of the contract and to complete the work described therein. Evaluation of the proposer's qualifications shall include:
- > The ability, capacity, skill and financial resources to perform the work or service.
- > The ability to perform the work service promptly or within the time specified, without delay.
- > The character, integrity, reputation, judgment, experience, and efficiency of the proposer.
- > The quality of performance of previous contracts or services.
- **48. QUALITY CONTROL:** The contractor shall institute and maintain throughout the contract period a properly documented quality control program designed to ensure that the services are provided at all times and in all respects in accordance with the contract. The program shall include providing daily supervision and conducting frequent inspections of the contractor's staff and ensuring that accurate records are maintained describing the disposition of all complaints. The records so created shall be open to inspection by the City.
- **49. RECOVERY OF MONEY:** Whenever, under the contract, any sum of money shall be recoverable from or payable by the contractor to the City, the same amount may be deducted from any sum due to the contractor under the contract or under any other contract between the contractor and the City. The rights of the City are in addition and without prejudice to any other right the City may have to claim the amount of any loss or damage suffered by the City on account of the acts or omissions of the contractor.
- **SOLUREMENTS CONTRACT:** During the period of the contract, the contractor shall provide all the services described in the contract. The contractor understands and agrees that this is a requirements contract and that the City shall have no obligation to the contractor if no services are required. Any quantities that are included in the scope of work reflect the current expectations of the City for the period of the contract. The amount is only an estimate and the contractor understands and agrees that the City is under no obligation to the contractor to buy any amount of services as a result of having provided this estimate or of having any typical or measurable requirement in the past. The contractor further understands and agrees that the City may require services in excess of the estimated annual contract amount and that the quantity actually used whether in excess of, or less than, the estimated annual contract amount and that the quantity actually used

shall not give rise to any claim for compensation other than the total of the unit prices in the contract for the quantity actually used.

- **51. TERMINATION FOR CONVENIENCE**: The performance of work under the contract may be terminated by the City in whole or in part whenever the City determines that termination is in the City's best interest. Any such termination shall be effected by the delivery to the contractor of a written notice of termination of at least seven (7) days before the date of termination, specifying the extent to which performance of the work under the contract is terminated and the date upon which such termination becomes effective. After receipt of a notice of termination, except as otherwise directed, the contractor shall stop work on the date of the receipt of the notice or other date specified in the notice; place no further orders or subcontracts for materials, services or facilities except as necessary for completion of such portion of the work not terminated; terminate all vendors and subcontracts; and settle all outstanding liabilities and claims.
- **52. TERMINATION FOR DEFAULT:** The City of Naples reserves the right to terminate the contract if the City determines that the contractor has failed to perform satisfactorily the work required, as determined by the City. In the event the City decides to terminate the contract for failure to perform satisfactorily, the City shall give to the contractor at least seven (7) days written notice before the termination takes effect. The seven-day period will begin upon the mailing of notice by the City. If the contractor fails to cure the default within the seven (7) days specified in the notice and the contract is terminated for failure to perform satisfactorily, the contractor shall be entitled to receive compensation for all reasonable, allocable and allowable contract services satisfactorily performed by the contractor up to the date of termination that were accepted by the City prior to the termination. In the event the City terminates the contract because of the default of the contractor, the contractor shall be liable for all excess costs that the City is required to expend to complete the work under contract.
- **STATE AND FEDERAL EMPLOYMENT LAWS:** Contractors providing service to the City are required to comply with all state and federal employment laws. This includes, but is not limited to, laws resulting from the Immigration and Reform and Control Act of 1986, wherein all employers are required to verify the identity and employment eligibility of all employees. The Department of Homeland Security, U.S. Citizenship and Immigration Services require employees and employers to complete Form I-9 and the employer must examine evidence of identity and employment eligibility within three business days of the date employment begins. Non compliant contractors will be subject to contract sanctions, up to and including contract termination.
- **SERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY, AND VOLUNTARY EXCLUSION:** The contractor agrees to comply with Executive Order 12549 "Debarment and Suspension" and 2 CFR 180 "OMB Guidelines to Agencies on Government wide Debarment and Suspension." These rules require all contractors using federal funds not be debarred or suspended from doing business with the Federal Government. This includes sub-recipients and lower tier participant for covered transactions. Signing and submitting this document certified the organization and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency, and further have not within the preceding three-year period been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction.

THE CITY OF NAPLES IS AN EQUAL OPPORTUNITY EMPLOYER

GENERAL INSURANCE REQUIREMENTS

The Contractor shall not commence work until he has obtained all the insurance required under this heading, and until such insurance has been approved by the Owner, nor shall the Contractor allow any subcontractor to commence work until all similar insurance required of the subcontractor has also been obtained and approved by the Owner.

Certificates of insurance must be issued by an authorized representative of the insurance company at the request and direction of the policyholder and must include sufficient information so as to identify the coverage and the contract for Owner's improvements for which they are issued. Certificates of insurance must be issued by a nationally recognized insurance company with a Best's Rating of no less than B+VII, satisfactory to the Owner, and duly licensed to do business in the state of said Contract.

The Contractor shall procure and maintain, during the life of this Contract, Workmen's Compensation Insurance for all of his employees to be engaged in work under this Contract, and he shall require any subcontractor similarly to provide Workmen's Compensation Insurance for all of the latter's employees to be engaged in such work, unless such employees are covered by the protection afforded by the Contractor's insurance. In case any employees are to be engaged in hazardous work under this Contract, and are not protected under this Workmen's Compensation statute, the Contractor shall provide, and shall cause each subcontractor to provide, adequate coverage for the protection of such employees. It is acceptable to use a State-approved Workmen's Compensation Self-Insurance fund.

The Contractor shall take out and maintain during the life of this Contract, Public Liability and Property Damage and shall include Contractual Liability, Personal Injury, Libel, Slander, False Arrest, Malicious Prosecution, Wrongful Entry or Eviction, Broad Form Property Damage, Products, Completed Operations and XCU Coverage to be included on an occurrence basis, and to the full extent of the Contract to protect him, the Owner, and any subcontractor performing work covered by this Contract from damages for personal injury, including accidental death, as well as from claims for property damage, which may arise from operations under this contract, whether such operations be by himself or by a subcontractor, or by anyone directly or indirectly employed by either of them. The Contractor shall also maintain automobile liability insurance including "non-owned and hired" coverage. The entire cost of this insurance shall be borne by the Contractor.

The amount of such insurance shall be no less than \$1,000,000 annual aggregate for bodily injury and property damage combined per occurrence.

The City of Naples must be named as Additional Insured on the insurance certificate <u>and the following must also be stated on the certificate</u>. "These coverage's are primary to all other coverage's the City possesses for this contract only." The City of Naples shall be named as the Certificate Holder. The Certificate Holder shall read as follows:

The City of Naples 735 Eighth Street South Naples, Florida 34102

No City Division, Department, or individual name should appear on the Certificate.

No other format will be acceptable.

The Certificate must state the solicitation number and title.

When using the ACORD 25 - Certificate of Insurance only the most current version will be accepted.

The City of Naples requires a copy of a cancellation notice in the event the policy is cancelled. The City of Naples shall be expressly endorsed onto the policy as a cancellation notice recipient.

STATEMENT OF NO BID

If you will not be bidding on this product/service, please help us by completing and returning <u>only this page</u> to:

City of Naples, Purchasing Division City Hall, 735 8th Street South Naples, FL 34102 Fax 239-213-7105

Bid #	and Description	on:
We, th	he undersigned, decline to b	oid on the above project for the following reason(s):
	Our Company does not of Our current work sched services.	d to the Invitation to Bid by the specified deadline. Ifer this product or service. Itule will not permit us to perform the required Itele or information is unclear
0	ther (Please specify below)	
Comp	oany Name	
PH _		Email
Name	and Title of individual con	npleting this form:
(Print	red Name)	(Title)
(Signa	ature)	(Date)

REFERENCES

THIS SHEET MUST BE COMPLETED AND RETURNED WITH BID

PROVIDE AT LEAST THREE NON-CITY REFERENCES FOR WHOM YOUR COMPANY HAS PROVIDED <u>SAME OR SIMILAR SERVICES</u> WITHIN THE LAST 2 YEARS.

COMPANY NAME:	
ADDRESS:	
TELEPHONE:	
CONTACT PERSON:	
CONTACT E-MAIL ADDRESS:	
COMPANY NAME:	
ADDRESS:	
TELEPHONE:	
CONTACT PERSON:	
CONTACT E-MAIL ADDRESS:	
COMPANYAME	
COMPANY NAME:	
ADDRESS:	
TELEPHONE:	
CONTACT PERSON:	
CONTACT E-MAIL ADDRESS:	
Submitting Vendor Name:	

CONSTRUCTION SPECIAL CONDITIONS

A. TERMS OF CONTRACT

The resulting contract will commence on award and be in effect until completion of the project. Services to be rendered by the contractor shall be commenced subsequent to the execution of an Agreement. Project must be completed by the contract dates specified within the Notice to Proceed for construction. The Contractor will be given 150 days to accomplish the project. Should contractor fail to complete the project within this timeframe, daily liquidated damages in an amount of \$250.00 per day will be assessed.

B. PROHIBITION OF CONTACT

Under no circumstances should any prospective organization or individual, or anyone acting for or on behalf of a prospective organization or individual, seek to influence or gain the support of any member of the City Council, public official or City staff favorable to the interest of any prospective organization or individual. Likewise, contact with City Council, any public official or city staff against the interests of other prospective organization (s) and or individual(s) is prohibited. Any such activities will result in the exclusion of the prospective organization or individual from consideration by the City.

C. REFERENCES

Bidder must submit a minimum of three references on the form provided. Additionally, a signed and dated IRS W-9 form with EIN is required from all vendors. Proof of insurance from the successful proposer is required at the time of issuance and award of a contract.

D. STATEMENT OF NO BID

If you will not be bidding on this producer/service, please help us by completing and returning the Statement of No Bid.

E. BID FORMAT

The Contract, if awarded, will be awarded on the basis of material and equipment illustrated and described on the Drawings or specified in the Specification. If a substitution or an "or equal" item is proposed, the proposer must submit this information to the City of Naples Purchasing Department ten (10) days prior to the Proposal Date for evaluation as an acceptable substitution or an "or equal" item. If the substitution or the "or equal" item is accepted, the City of Naples will issue an Addendum to all Proposers listing the allowable substitution or the "or equal" item. The cost of changes in related work, additional drawings which may be required to illustrate or define the substitute or "or equal" equipment and its relationship to the other parts or portions of the Work shall be paid by the Contractor. No change will be made in the amount of time in which to complete the Work or in the liquidated damages.

BID SECURITY / BID BOND

It is the policy of the City of Naples to require a Bid Bond for all construction related sealed bids estimated to be in excess of \$100,000. A bid bond or equivalent financial security in the amount of five (5) percent of the bid price shall be required and must accompany all bids. The Bid Bond is to be provided by a surety company authorized to do business in the State of Florida or otherwise supplied in a form satisfactory to the City. The bid bond must be submitted with the bid. When the invitation for bids requires a bid bond, noncompliance will result in rejection of the bid. Note that failure or refusal of the awarded bidder to enter into a contract within twenty (20) calendar days after receipt of said contract will result in damages to the City and bid bond will be forfeited to the City as liquidated damages.

G. PROPOSAL CONSTRUCTION PERFORMANCE & PAYMENT BONDS

A Performance and Payment Bond will be required of the Awarded Proposer for any contract that is in excess of \$100,000.00 dollars and will be in an amount equal to 100 (%) percent of the price specified in the Contract. The bond(s) shall be executed by a surety company authorized to do business in the State of Florida, or otherwise secured in a manner satisfactory to the City for the protection of all persons supplying labor and material to the contractor or its subcontractors for the performance of the work provided for in the contract. Proof of insurance from the successful proposer is required at the time of issuance and award of a contract.

H. QUESTIONS

Questions regarding this proposer packet must be received in writing in the Purchasing Division NO LATER THAN **TEN CALENDAR DAYS PRIOR** TO THE BID OPENING DATE TO ENSURE AN ANSWER IS PROVIDED PRIOR TO CLOSING.

Direct all questions to:

Gerald "Jed" Secory, MBA / CPPO / CPM Purchasing and Contracts Manager City of Naples, Purchasing Division 735 8th Street South Naples, Florida 34102

PH: (239) 213-7102 FX: (239) 213-7105 Jsecory@naplesgov.com

SUBMISSION CHECKLIST

Bidder should check off each of the following items as completed and submit with bid response:

CHECKLIST ELEMENTS	INCLUDED
 Submit one (1) original signature and one (1) copy of your original submission document AND a Windows© compatible PDF of the original document on a CD or Flash / Thumb Drive that is clearly labeled. 	
 Include any required drawings; descriptive literature; qualifications; schedules; product compliance / exceptions; alternatives; questionnaire; references, forms, tabs, pricing/cost; and any information required of the proposer identified in the text of the bid including information for bid evaluation. 	
 Include any Professional Licenses that qualify the firm for this solicitation as well as applicable bond documents, if required. Note if you are not a single prime contractor, list all subcontractors to be used for our project in your bid/proposal and their professional licenses. 	
 Mandatory FORMS from this document to be included are: <u>Cover Sheet</u>, <u>References Sheet</u>, <u>Submission Checklist Sheet</u>, <u>IRS W-9</u> (Dec 2014) and <u>Cost / Compensation Schedule</u>. 	
Have an authorized individual sign the appropriate pages including the <u>Cover Sheet</u> with bid addenda initialed. Also, examples of vendor contracts used by the City can be found on the Naples Purchasing web site and should be reviewed by the vendor.	
Bid document needs to be received by the OPENING DATE & TIME indicated on the Cover Sheet. The mailing envelope must be addressed to:	
City of Naples Purchasing Division 735 8 th Street South Naples, Florida 34102	
The mailing envelope should be sealed and marked	
with:	
Number: 18-002	
Title: Fire Station #2 Improvements Opening Date: 11/3/2017	

ALL COURIER DELIVERED BIDS MUST HAVE THE BID NUMBER AND TITLE ON THE OUTSIDE OF THE COURIER PACKET.

~			
Submitting	y Vendor Name		
• • • • • • • • • • • • • • • • • • • •	y vehiclor matric		

At the discretion of the Purchasing Manager, bids or proposals with minor irregularities may be accepted and allowed to be corrected when in the best interest of the City.

W-9 FORM MUST BE COMPLETED AND RETURNED WITH BID

Fillable Form can also be downloaded at

https://www.irs.gov/pub/irs-pdf/fw9.pdf

(Rev. December 2014) Department of the Treasury Internal Revenue Service

Request for Taxpayer Identification Number and Certification

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

	1 Name (as shown on your income tax return). Name is required on this line;	do not leave this line blank.		•			
ge 2.	2 Business name/disregarded entity name, if different from above						
Print or type See Specific Instructions on page	3 Check appropriate box for federal tax classification; check only one of the f ☐ Individual/sole proprietor or ☐ C Corporation ☐ S Corporation ☐ Single-member LLC ☐ Limited liability company. Enter the tax classification (C=C corporation, S	tion Partnership	☐ Trust/estate	4 Exemption certain entitions instructions	ties, not s on page	individu: e 3):	only to als; see
Print or type Instructions	Note. For a single-member LLC that is disregarded, do not check LLC; c the tax classification of the single-member owner.			Exemption code (if any		ΓCA rep	orting
P.	☐ Other (see instructions) ▶			(Applies to acco		ined outsid	e the U.S.)
pecific	5 Address (number, street, and apt. or suite no.)	F	Requester's name	and address (optional)	
See S	6 City, state, and ZIP code						
	7 List account number(s) here (optional)						
Par	t I Taxpayer Identification Number (TIN)						
EAST CONTRACT	your TIN in the appropriate box. The TIN provided must match the nar		. Casial as				
backu reside	yp withholding. For individuals, this is generally your social security nur ent alien, sole proprietor, or disregarded entity, see the Part I instruction s, it is your employer identification number (EIN). If you do not have a	mber (SSN). However, for	а	curity numbe	-		
TIN or	n page 3.	number, see riow to get a	or				
Note.	If the account is in more than one name, see the instructions for line 1	and the chart on page 4		identification	n numbe	er	
guidel	ines on whose number to enter.			-	\prod		
Par	Certification						
Under	penalties of perjury, I certify that:						
1. The	e number shown on this form is my correct taxpayer identification num	ber (or I am waiting for a	number to be is:	sued to me)	: and		
2. I ar Sei	n not subject to backup withholding because: (a) I am exempt from ba vice (IRS) that I am subject to backup withholding as a result of a failu longer subject to backup withholding; and	ckup withholding, or (b) I	have not been r	notified by th	ne Interi	nal Rev d me th	enue nat I am
3. I ar	n a U.S. citizen or other U.S. person (defined below); and						
	FATCA code(s) entered on this form (if any) indicating that I am exemp	ot from FATCA reporting is	s correct				
Certifi because interest genera	cation instructions. You must cross out item 2 above if you have bees you have failed to report all interest and dividends on your tax return the paid, acquisition or abandonment of secured property, cancellation of ally, payments other than interest and dividends, you are not required the tions on page 3.	en notified by the IRS that n. For real estate transact of debt, contributions to a	you are currentl ions, item 2 doe n individual retir	es not apply.	. For mo	ortgage	end
Sign Here	Signature of U.S. person ▶	Date I	•				
Gen	eral Instructions	Form 1098 (home mortga (tuition)	age interest), 1098	-E (student lo	an intere	est), 109	B-T
Section	references are to the Internal Revenue Code wiles at the side of the Internal Revenue Code wiles at the Internal Revenue	(-2.001)					

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

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

Purpose of Form

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

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

- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

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

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

By signing the filled-out form, you:

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

Form **W-9** (Rev. 12-2014)

Page 2

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States:

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

- 1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
- 2. The treaty article addressing the income.
- 3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
- 4. The type and amount of income that qualifies for the exemption from tax.
- Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

- 1. You do not furnish your TIN to the requester,
- 2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),

- 3. The IRS tells the requester that you furnished an incorrect TIN,
- 4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
- 5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code* on page 3 and the separate Instructions for the Requester of Form W-9 for more information.

Also see Special rules for partnerships above.

What is FATCA reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code* on page 3 and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account, list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note. ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

- b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.
- c. Partnership, LLC that is not a single-member LLC, C Corporation, or S Corporation. Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.
- d. Other entities. Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.
- e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1, if the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box in line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box in line 3.

Limited Liability Company (LLC). If the name on line 1 is an LLC treated as a partnership for U.S. federal tax purposes, check the "Limited Liability Company" box and enter "P" in the space provided. If the LLC has filed Form 8832 or 2553 to be taxed as a corporation, check the "Limited Liability Company" box and in the space provided enter "C" for C corporation or "S" for S corporation. If it is a single-member LLC that is a disregarded entity, do not check the "Limited Liability Company" box; instead check the first box in line 3 "Individual/sole proprietor or single-member LLC."

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space in line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
 - 2-The United States or any of its agencies or instrumentalities
- 3-A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- $4-\!\mbox{A}$ foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5-A corporation
- 6-A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- $7\!-\!\mathrm{A}$ futures commission merchant registered with the Commodity Futures Trading Commission
 - 8-A real estate investment trust
- $9-\mbox{An entity}$ registered at all times during the tax year under the Investment Company Act of 1940
 - 10-A common trust fund operated by a bank under section 584(a)
 - 11-A financial institution
- $12\!-\!A$ middleman known in the investment community as a nominee or custodian
 - 13-A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for	THEN the payment is exempt for
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

- A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)
- B-The United States or any of its agencies or instrumentalities
- C-A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)
- E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)
- F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state
 - G-A real estate investment trust
- H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940
 - I-A common trust fund as defined in section 584(a)
 - J-A bank as defined in section 581
 - K-A broke
 - L-A trust exempt from tax under section 664 or described in section 4947(a)(1)
 - M-A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note. You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on this page), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, or 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see Exempt payee code earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

- 1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.
- 2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.
- ${f 3.}$ Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.
- 4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).
- 5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
Individual Two or more individuals (joint account)	The individual The actual owner of the account or, if combined funds, the first individual on the account'
Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
The usual revocable savings trust (grantor is also trustee) So-called trust account that is	The grantor-trustee
not a legal or valid trust under state law	The actual owner
Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i) (A))	The grantor*
For this type of account:	Give name and EIN of:
Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity⁴
Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
Association, club, religious, charitable, educational, or other tax- exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i) (B))	The trust

List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

- ³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.
- ⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see Special rules for partnerships on page 2
- title.) Also see Special rules for partnerships on page 2. *Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- · Protect your SSN,
- Ensure your employer is protecting your SSN, and
- · Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to *phishing@irs.gov*. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: *spam@uce.gov* or contact them at *www.ftc.gov/idtheft* or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

² Circle the minor's name and furnish the minor's SSN.

Invitation to Bid # 18-002

Fire Station #2 Improvements

INDEX

		PAGE	
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Invitation to Bid # 18-002 Fire Station #2 Improvements

PROJECT DESCRIPTION

The Fire Station # 2 HVAC Improvement Project, located at 977 26th Ave North, is comprised of HVAC system improvement and electrical system upgrade. Fire Station #2 must be kept in operation 24 hours per day and 7 days per week. To accomplish this, the work must proceed in three phases.

- Phase 1 covers the Day room/kitchen/ Radio room areas.
- Phase 2 covers the bunk room areas.
- Phase 3 covers the wellness area.

QUALIFICATIONS

The Contractor must demonstrate they are qualified and licensed by the State of Florida or Collier County to perform the work scope described below and on the drawings.

COMPLETION

The project duration is 150 days after Notice to Proceed to substantial completion and another 30 days to Final Completion and project closeout.

SCOPE OF WORK

HVAC System improvements was designed by AMEC and their sub-consultant AWS. The major components of the new HVAC system is the replacement of the existing six interior ceiling mounted air handlers with three new exterior located air handlers. The existing electrical system in the kitchen area is being upgraded to address the frequent shut down or blown breakers. New LED ceiling lights are being added. The existing ceiling tile is being upgraded with gypsum board system to significantly improve the energy efficiency of the station.

Unless otherwise stated in the documents, the Contractor shall be required to provide the items, vendor, and model number specified in the drawings. Should the Contractor wish to submit APPROVED EQUIVALENTS as provided under Section 8 of the General Conditions, this must be done 10 days prior to bid for owner review and approval.

The base HVAC scope includes Trane TCC A/C or approved equivalent equipment. The upgraded bid is the incremental cost to provide Trane THC A/C (high efficiency) units. The incremental additional cost will include any and all modifications required for the larger equipment such as concrete base, supports, equipment platforms, electrical, and duct work.

In general, the Work includes, but is not limited to:

- 1. All demolition including ceilings, insulation, grid, soffit, bulkheads, headers, fans, etc.
- 2. Temporary relocate and return equipment and furniture per phase. Protect all kitchen casework, counters and equipment.
- 3. Temporary support for existing light fixtures. Remove and store smoke detectors, speakers, strobes, horns, emergency and exit lights etc. to be reinstalled.
- 4. Phase Removal of all existing HVAC equipment, piping, electrical, controls, etc.
- 5. Supply and install PAC 1, 2, and 3 and all associated supports including HVAC platforms and concrete base.
- 6. Electrical power supply to and from local disconnect switch to each PAC.
- 7. All ducts, supply and return registers, motorized dampers.
- 8. Moving equipment, furniture, etc. and protect equipment as required to accomplish each phase.
- 9. All cutting and patching of exterior and interior walls.
- 10. Supply and install all new light fixtures and switches/occupancy sensors per Phase.
- 11. Supply and install new ceiling fans per Phase.
- 12. Reinstall all smoke detectors, speakers, strobes, horns, emergency and exit lights etc. in new ceiling per Phase.
- 13. Provide temporary power to kitchen when kitchen electrical upgrade work is undertaken.
- 14. Power supply for motorized dampers.
- 15. Install all new ceilings, including access hatches per Phase.
- 16. Relocate/modify fire sprinkler system as needed per Phase.
- 17. New duct chase in Day Room.
- 18. Patch and repair existing bathrooms hard ceilings.

The following items are clarifications of items provided in the drawings.

- A-300 Please note that the platform material of construction is galvanized steel. Contractor is responsible for removing any existing concrete pads and providing new per S-100.
- 2. A-300 Detail 1 and 2. Remove requirement to furnish and install R19 blown-insulation over hard ceiling/batt over ACT.
- 3. M-201 Remodel Notes. The existing kitchen makeup air system shall remain except that a new ceiling diffuser is to be provided and the contractor shall modify the ductwork as required to install the new diffuser.

###

	Cost Schedule				
	City of Naples F	ire Station #2 I	HVAC Impr	rovements	
	HVAC Construction/Installation				
ITEM	DESCRIPTION	QUANTITY	UNIT	BASE COST	UPGRADE COST *
1	Demolition	1	LS	\$ -	\$ -
2	HVAC equipment (Trane TCC A/C)	1	LS	\$ -	\$ -
3	Ducts, Registers, Dampers	1	LS	\$ -	\$ -
4	Electrical	1	LS	\$ -	\$ -
5	Light Fixtures Material	1	LS	\$ -	\$ -
6	Light Fixture Installation	1	LS	\$ -	\$ -
7	New Ceilings	1	LS	\$ -	\$ -
8	Fire Sprinkler Modifications	1	LS	\$ -	\$ -
7	Duct Chase in Day Room	1	LS	\$ -	\$ -
8	Other items	1	LS	\$ -	\$ -
9	Permits	1	LS	\$ -	\$ -
10	General Condition	1	LS	\$ -	\$ -
11	City Controlled Allowance			\$ 20,000.00	\$ 20,000.00
	TOTAL			\$ -	\$ -
	* NOTE 1: The upgraded bid is the inc THC A/C equipment (high efficiency), incremental increase to utilize high ef	including any a	ind all mo	difications	

The City may choose to proceed with award on base bid or upgraded bid, depending on what is in the best interest of the City.

Company Name:	
EIN:	
Email:	
Name and Title of individual c	ompleting this schedule:
Printed Name)	(Title)
<u> </u>	
Signature)	(Date)

Naples Fire-Rescue Department Station #2 Interior Renovation (Ceilings and HVAC) 977 26th Ave North, Naples, FL 34103

100% CONSTRUCTION DOCUMENTS

CITY OF NAPLES PROJECT TRACKING No. 16E22

Attachment B - Project Plan Documents

INDEX OF DRAWINGS

GENERAL

SHEET NO	SHEET NAME	CURRENT REV.
CS-000	COVER	
G-000	GENERAL NOTES	

SURVEY

SHEET NO	SHEET NAME	CURRENT REV.
SU-000	SURVEY	
SD-100	SITE DEMOLITON PLAN	

ARCHITECTURE

SHEET NO	SHEET NAME	CURRENT REV.
D-100	DEMOLITION CEILING PLAN	
A-100	SITE PLAN / FLOOR PLAN	
A-200	CEILING PLAN	
A-300	DETAILS / SPECIFICATIONS	
A-400	SPECIFICATIONS	
A-401	SPECIFICATIONS	

STRUCTURAL

SHEET NO	SHEET NAME	CURRENT REV.
S-100	PAC PLATFORM AND SLAB DESIGN	

MECHANICAL

SHEET NO	SHEET NAME	CURRENT REV
M-000	HVAC SYMBOLS, GENERAL NOTES & INDEX	
M-101	FIRST FLOOR HVAC PLAN - DEMOLITION	
M-201	FIRST FLOOR HVAC PLAN - REMODEL WORK	
M-401	MECHANICAL DETAILS	
M-402	MECHANICAL DETAILS	
M-601	MECHANICAL SPECIFICATIONS	

ELECTRICAL

City of Naples, FL

SHEET NO	SHEET NAME	CURRENT REV
E-000	ELECTRICAL SYMBOLS, GENERAL NOTES & INDEX	a (4)
E-101	FIRST FLOOR LIGHTING PLAN - DEMOLITION	
E-102	FIRST FLOOR POWER PLAN - DEMOLITION	
E-201	FIRST FLOOR LIGHTING PLAN - REMODEL WORK	
E-202	FIRT FLOOR POWER PLAN - REMODEL WORK	
E-301	PARTIAL FIRST FLOOR PLAN - KITCHEN REMODEL	
E-401	ELECTRICAL DETAILS	
E-501	ELECTRICAL SCHEDULES	
E-601	ELECTRICAL SPECIFICATIONS	W 35

amec foster wheeler

5845 NW 158th Steet Miami Lakes, FL 33014 USA P:+1(305) 826-5588 F:+1(305) 826-1799

ARCHITECT OF RECORD

www.amec.com

REVISION SCHEDULE

No.	DESCRIPTION	DATE

PROJECT TEAM

ARCHITECT OF RECORD
Santiago Jimenez, R.A.
Amec Foster Wheeler (305) 286-5588
PROJECT MANAGER
Cesar A Rullier, Assoc. AIA, CPTED
Amec Foster Wheeler (305) 286-5588
ENGINEER OF RECORD / STRUCTURAL
Augusto Poitevin, PE
Amec Foster Wheeler (305) 286-5588
ENGINEER OF RECORD / MEP
Gregory Johnson, PE
AWS Solutions, Inc. (407) 260-0231

SCOPE OF WORK

PROVIDE THE CITY OF NAPLES WITH DESIGN DOCUMENTS FOR THE DEMOLITION AND REPLACEMENT OF INTERIOR SOFFITS, CEILINGS AND LIGHTING, HVAC SYSTEM, DUCTWORK AND DIFFUSERS FOR FIRE RESCUE DEPARTMENT STATION # 2. THIS IS A TYPE II ALTERATION.

PROJECT LOCATION



PROJECT LOCATION



Naples Fire-Rescue Department Station #2 977 26th Ave North, Naples, FL 34103

APPLICABLE CODES

ZONNING CODE:
COLLIER COUNTY
BUILDING CODE:
FLORIDA BUILDING CODE 5TH EDITION 2014
ACCESIBILITY CODE:
FLORIDA BUILDING CODE 5TH EDITION 2014 - ACCESSIBILITY
FIRE CODE:
FLORIDA FIRE PREVENTION CODE 5TH EDITION
LIFE SAFETY:
NFPA 101
MECHANICAL / PLUMBING CODE:
FLORIDA BUILDING CODE 5TH EDITION 2014
ELECTRICAL CODE:
N.E.C. 2014

06-19-17 SANTIAGO JIMENEZ, R.A. AR-94369

AK-94369

PROJECT TEAM
DESIGNER

AMEC FOSTER WHEELER
BIM / DRAWINGS BY:
CR/GT

CHECKED BY:

R

Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

100% CD 06-19-17
PROJECT NUMBER | STATUS |

COVER

SCALE: As indicated

ISSUE DATE

CS-000

SHEET NUMBER

PROJECT SEQUENCE AND PHASING

THIS FACILITY OPERATES 24/7 AND SHALL REMAIN IN OPERATION AT ALL TIMES. THE CONTRACTOR SHALL NOT DEMOLISH ALL HVAC AND ELECTRICAL SYSTEMS AT ONE TIME. COMPLETING THIS PROJECT WILL REQUIRE PHASING. THE CONTRACTOR SHALL DEVELOP A PHASING PLAN FOR THE CITY OF NAPLES APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION ACTIVITIES. THE CITY RECOMMENDS THE FOLLOWING SEQUENCE:

- 1. RELOCATE ALL EQUIPMENT IN THE WORKOUT ROOM INTO AN OUTDOOR STORAGE CONTAINER(S), PROVIDED BY THE CONTRACTOR
- 2. PROCEED WITH DEMOLITION ACTIVITIES AND SUBSTANTIALLY COMPLETE THE WORK TO BE ACCOMPLISHED (HVAC AND ELECTRICAL) IN AREA TO BE SERVED BY PAC - 3 INCLUDING THE RADIO ROOM, OFFICE, KITCHEN/DAYROOM, BATHROOM. RELOCATE DAY ROOM AND OFFICE FURNITURE TO WORKOUT AREA. PROTECT THE KITCHEN AREA SUCH ACCESS IS AVAILABLE. PROTECT THE RADIO ROOM ELECTRONIC EQUIPMENT NOT RELOCATED TO WORKOUT AREA.
- 3. AFTER PAC-3 IS PLACED IN OPERATION, PROCEED WITH WORK TO PLACE IN OPERATION PAC-1. RELOCATE IMPACTED LIEUTENANT BUNK ROOM 109 AND 110 AND TABLES TO STORAGE. PROTECT WALL CABINETS. MAINTAIN ACCESS TO BATHROOMS 115 AND 117. RETURN RELOCATED EQUIPMENT WHEN COMPLETE.
- 4. AFTER PAC-1 IS PLACED IN OPERATION, PROCEED WITH WORK TO PLACE IN OPERATION PAC-2. RELOCATE IMPACTED BUNK ROOMS BEDS AND TABLES TO WORKOUT ROOM. PROTECT WALL CABINETS. MAINTAIN ACCESS TO BATHROOMS 116 AND 118. WHEN COMPLETE, RETURN RELOCATED FURNITURE.
- 5. AFTER PAC-1 IS PLACED IN OPERATION, RETURN STORED EQUIPMENT TO THE WORK ROOM.

GENERAL NOTES

- 1. PRIOR TO PERFORMING ANY WORK, THE CONTRACTOR MUST OBTAIN AND SUBMIT COPIES OF THE REQUIRED PERMITS, FROM THE GOVERNING AGENCIES, TO THE CITY OF NAPLES PROJECT MANAGER.
- 2. DEFINITIONS:
- A. APPROVED: AS APPROVED BY THE ARCHITECT OR ENGINEER. B. APPROVED EQUAL: AS ACCEPTED BY THE ARCHITECT OR ENGINEER AS BEING OF EQUIVALENT, QUALITY, UTILITY, AND APPEARANCE.
- C. AS APPLICABLE: AS APPROPRIATE FOR THE PARTICULAR
- CONDITION CIRCUMSTANCE, OR SITUATION. D. AS REQUIRED: AS REQUIRED BY REGULATORY REQUIREMENTS, BY REFERENCED STANDARDS, BY EXISTING CONDITIONS, BY GENERALLY ACCEPTED CONSTRUCTION PRACTICE, OR BY THE CONTRACT DOCUMENTS.
- E. DIRECTED: AS INSTRUCTED BY THE ARCHITECT IN WRITING. SATISFACTORY: TO THE SATISFACTION OF THE ARCHITECT,
- SUBJECT TO THE ARCHITECT'S ACCEPTANCE. G. TYPICAL: IDENTICAL FOR ALL SUCH CONDITIONS, UNLESS
- OTHERWISE INDICATED. H. SIMILAR: COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. DIFFERENCES CAN BE INFERRED FROM OTHER INFORMATION INDICATED. VERIFY DIMENSIONS AND ORIENTATIONS.
- FURNISH: SUPPLY ONLY: OTHERS WILL INSTALL. INSTALL: INSTALL ITEMS FURNISHED BY OTHERS.
- K. PROVIDE: FURNISH AND INSTALL.
- 3. ALL WORK TO BE PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (F.B.C.) AND NFPA LATEST EDITION AND ANY AGENCY HAVING JURISDICTION ON THIS PROJECT.
- 4. WORK NOT INCLUDED IN CONTRACT: WORK NOTED "N.I.C." OR "BY OTHERS" ON THE DRAWINGS OR SPECIFICATIONS, IF ANY MATERIALS, EQUIPMENT OR BOTH, INDICATED "N.I.C." ARE TO BE INSTALLED BY THE CONTRACTOR, THEY WILL BE SO NOTED ON THE DRAWINGS OR SPECIFICATIONS.
- 5 ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER, BEFORE PROCEEDING WITH ANY WORK SO INVOLVED. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, AND NOT AT EXPENSE OF THE OWNER OR ARCHITECT/ENGINEER.
- 6. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE JOB. THE ARCHITECT/ENGINEER SHOULD BE NOTIFIED BEFORE PROCEEDING WITH THE WORK OF ANY DISCREPANCIES IN THE CONTRACT DOCUMENTS AND/OR UNFORESEEN CONDITIONS ON THESE DRAWINGS AND/OR ALL OBVIOUS ERRORS AND/OR OMISSIONS.
- CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT/ENGINEER OF THE EXISTENCE OF ANY OBSERVED VARIATIONS BETWEEN THE CONTRACT DOCUMENTS AND ANY APPLICABLE CODE OR ORDINANCES.
- 8. FACILITIES SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION AND THE AMERICAN WITH DISABILITIES ACT, PUBLIC LAW 101-336 (A.D.A.) WHICHEVER IS MOST STRINGENT.
- 9. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND TOPOGRAPHIC SPOT ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY EXISTING DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
- 10. CONTRACTOR ACKNOWLEDGES THAT HE HAS FULLY INFORMED HIMSELF / HERSELF, REGARDING REQUIREMENTS OF DRAWINGS, SPECIFICATIONS AND REGULATIONS PERTAINING TO THE PROJECT. SPECIFICATIONS AND DRAWINGS ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ONE IS AS BINDING AS IF CALLED FOR BY ALL. VISIT SITE OF WORK, COMPARE REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS AND BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH WORK OF CONTRACT IS TO BE PERFORMED, APPROACHES AND IMPROVEMENTS ON OR ABOUT SITE, INCLUDING PROTECTION OF ADJACENT BUILDINGS AND PROPERTY.

FINISHED ELEVATION

DETAIL MARKER

SYMBOL LEGEND

DET#

BUILDING SECTION

DET#

SHEET

MARKER ONE WALL

SHEET)

INTERIOR ELEVATION

MARKER MULTIPLE WALLS

DET#: REFERS TO DETAIL NUMBER OF PROJECT SHEET

SHEET: REFERS TO PROJECT SHEET (X/XX)

WALL SECTION MARKER

- 11. EXERCISE ALL REQUIRED PRECAUTIONS NECESSARY TO PROTECT ALL BUILDINGS AND OTHER CONSTRUCTIONS ON PROPERTY ADJACENT TO THAT OF THE WORK OF THIS CONTRACT. THE WORK OF THIS CONTRACT OCCURS WITHIN EXISTING, FULLY FUNCTIONAL, FIRE STATION / EMS FACILITY THAT ARE ALSO FREQUENTED BY THE GENERAL PUBLIC. ALL WORK AND OPERATIONS SHALL BE CARRIED OUT AND SCHEDULED SO AS TO PREVENT ANY DAMAGE OR INJURY TO: THE FINISHED AREAS WITHIN THE EXISTING FACILITIES (OTHER THAN THOSE REQUIRING MODIFICATION TO CONFORM TO THE NEW WORK), ITS PATRONS, STAFF, AND/OR THE OWNER'S DAILY BUSINESS OPERATIONS. THE CONTRACTOR SHALL TAKE ALL MEASURES AND PRECAUTIONS AND MAKE ALL PREPARATIONS AS REQUIRED TO PREVENT DAMAGES TO THE EXISTING FACILITIES (OTHER THAN THOSE REQUIRING MODIFICATION TO CONFORM TO THE NEW WORK) AS A RESULT OF CONTRACTOR'S WORK, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES OR INJURIES TO PERSONS OR PROPERTY. ALL COST OF REPAIRS FOR FAILURE ON THE PART OF THE CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO AVOID SUCH DAMAGES, INJURIES, AND/OR STOPPAGES SHALL BE BORNE ENTIRELY BY THE CONTRACTOR AND REPAIRS SHALL BE AFFECTED IMMEDIATELY TO AVOID ANY DISRUPTION TO THE OWNER'S DAILY BUSINESS OPERATIONS. ALL REPAIRS SHALL RESTORE DAMAGED ITEMS TO ORIGINAL CONDITION AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO
- 12. THE ARCHITECT SHALL NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, FABRICATION, PROCUREMENT, SHIPMENT, DELIVERY OR INSTALLATION OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION TO THE WORK FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER PERSONSPERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK OR TO MEET THEIR SCHEDULES FOR DELIVERY OR COMPLETION IACCORDANCE TO THE CONTRACT DOCUMENTS.
- 13. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS, IF ANY DISCREPANCIES ARISE, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF WORK, FOR CLARIFICATION. ALL DIMENSIONS INDICATED ON ARCHITECTURAL PLANS ARE AS FOLLOWS:
- A. HORIZONTAL DIMENSIONS ARE SHOWN FROM FACE OF ROUGH MASONRY/CONCRETE/STUD TO FACE OF ROUGH MASONRY CONCRETE/STUD, U.O.N. (SEE DIMENSION NOTES)
- B. DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE PRECISELY MAINTAINED. THOSE NOTED "HOLD" SHALL NOT VARY FROM STATED DIMENSION.
- C. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT ACCEPTANCE BY THE ARCHITECT/ENGINEER, UNLESS NOTED.
- D. VERTICAL DIMENSIONS ARE FROM THE TOP OF THE FLOOR SLAB DATUM LINE, ESTABLISHED BY THE CONTRACTOR SUBJECT TO THE ACCEPTANCE OF THE OWNER OR ARCHITECT/ENGINEER, UNLESS
- E. DO NOT SCALE DRAWINGS. IF ITEMS OF WORK CANNOT BE LOCATED, DO NOT PROCEED WITH THE WORK WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER.
- F. DIMENSIONS MARKED V.I.F. SHALL BE "VERIFIED" IN FIELD BY THE CONTRACTOR.

ALL DIMENSIONS ARE TAKEN TO AND FROM THE STRUCTURAL FACE OF THE WALL UNLESS OTHERWISE NOTED.

NOT SCALE CONSTRUCTION DRAWINGS. ROUNDING OF LENGTHS ONLY ALLOWED AS INDICATED IN THE PLANS.

GENERAL CONTRACTOR TO REFER TO WALL AND PARTITION TYPE SCHEDULES FOR WALL SIZING, RATING AND

ASSEMBLY, ALL SIZES SHOWN IN PLANS ARE ACTUAL UNLESS OTHERWISE INDICATED.

SPOT ELEVATION

GENERAL CONTRACTOR TO INFORM ARCHITECT OF DISCREPANCIES WHEN FOUND. GENERAL CONTRACTOR SHALL

- 14. CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST IN LOCATIONS OF ANY AND ALL MECHANICAL, TELEPHONE, ELECTRICAL, LIGHTING AND PLUMBING (TO INCLUDE ALPIPING, DUCTWORK AND CONDUITS) AND THAT REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE OF ABOVE MENTIONED EQUIPMENT ARE PROVIDED.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND / OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES NOT OF RECORD OINOT
- 16. ALL LABOR INSTALLATION SHALL BE PERFORMED IN THE BEST POSSIBLE WORKMANLIKE MANNER BY SKILLED AND EXPERIENCE WORKMEN TRAINED IN THEIR RESPECTIVE TRADES.

- 17.THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT MATERIALS AND WORK QUALITY WHICH ARE NOT CONSIDERED TO BE UP TO THE SPECIFIED STANDARDS OF THE VARIOUS TRADES INVOLVED. SUCH INFERIOR MATERIAL OR WORK QUALITY SHALL BE REPAIRED OR REPLACED, AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER.
- 18. ALL FINISH MATERIAL SHALL BE PROTECTED AT ALL TIMES AGAINST SUBSEQUENT DAMAGE UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 19.THE ABSENCE OF A DETAIL DESCRIBING A PARTICULAR METHOD OF CONSTRUCTION SHALL IMPLY, THE CONTRACTOR SHALL CONSTRUCT SAID DETAILS IN COMPLIANCE
- WITH INDUSTRY STANDARDS FOR THE TYPE OF CONSTRUCTION OF THE BUILDING IN A WORKMANLIKE MANNER, AND PROVIDE SHOP DRAWINGS FOR ARCHITECTS APPROVAL. 20.DRAWINGS INDICATE GENERAL DETAILS OF CONSTRUCTION. WHERE FIELD CONDITIONS
- ARE NOT IDENTICAL TO THE CONTRACT DOCUMENTS, BUT ARE OF SIMILAR CHARACTER TO THE DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. WHERE CONSTRUCTION DETAILS ARE SHOWN FOR SPECIFIC LOCATIONS, THEY SHALL ALSO APPLY TO SIMILAR CONDITIONS THROUGHOUT, WHETHER SPECIFICALLY MENTIONED IN THE DRAWINGS OR NOT.
- 21.THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS, OR OTHER SUPPORT, FOR ALL BUILDING EQUIPMENT AND ACCESSORIES SHOWN ON PLANS, REGARDLESS OF WHOM SUPPLIES SAID EQUIPMENT OR ACCESSORY, UNLESS NOTED OTHERWISE.
- 22.VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION. THE CONTRACTOR, PRIOR TO START UP, HALL COORDINATE WITH THE OWNER LOCATION OF STAGING AREAS, DELIVERY AREA, EMPLOYEE ENTRANCES,
- 23.ALL TRADES SHALL AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY THEIR WORK. PROVIDE CLEAN-UP AND DISPOSE OF ALL DEBRIS, FOR A NEAT AND CLEAN JOB SITE CONDITION THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. AT THE COMPLETION OF THE WORK, LEAVE THE FLOOR AND PAVEMENT AREA IN A BROOM CLEAN CONDITION WITH NO STAINS. ROLL OFF CONTAINERS MUST BE USED.
- 24 NO PERSON SHALL PERFORM ANY WORK ON ANY BUILDING OR STRUCTURE ADJACENT TO A PUBLIC WAY IN GENERAL USE BY THE PUBLIC FOR PEDESTRIAN TRAVEL, UNLESS THE PEDESTRIANS ARE PROTECTED BY FENCES, CANOPIES OR OTHER DEVICES.
- 25.THE CONTRACTOR SHALL MAINTAIN AND REGULARLY UPDATE 'AS-BUILT' DRAWINGS AND SHOP DRAWINGS AND SUBMITTAL FILE INDICATING EXACT LOCATION, MATERIAL EQUIPMENT, AS INSTALLED. AT THE END OF THE PROJECT, BEFORE FINAL PAYMENT REQUEST. THE GENERAL CONTRACTOR SHALL PROVIDE THE CITY OF NAPLES WITH AN 'AS- BUILT' DRAWING SET.
- 26.GENERAL CONTRACTOR SHALL PROVIDE THE CITY OF NAPLES WITH 2 HARD COPIES AND ONE ELECTRONIC COPY OF CLOSE OUT DOCUMENTS. CLOSEOUT DOCUMENTS SHALL INCLUDE, CERTIFICATE OF OCCUPANCY, ALL WARRANTIES, USERS MANUAL. WRITTEN MAINTENANCE INSTRUCTIONS FOR ALL MATERIAL AND EQUIPMENT, AND RECORD DOCUMENTS ('AS-BUILT'), SUBMITTALS AND CHANGE ORDERS.
- 27.PREFABRICATED CONSTRUCTION ELEMENTS AND STRUCTURES SHALL BE MADE BY SHOPS WHICH HAVE CURRENT (CEO, UL, ETC.) CERTIFICATION AS APPROVED FABRICATORS FOR SUCH UNITS OR ELEMENTS. THE RESPONSIBLE DESIGN ARCHITECT/ENGINEER SHALL PROVIDE (A SHOP STAMP) AND APPROVE OF THE DESIGN, PLANS, CONSTRUCTION DETAILS AND SPECIFICATIONS FOR ALL PREFABRICATED FRAMING MEMBERS AND SHALL SUBMIT SAME TO THE CORRESPONDENT BUILDING AND PLANING DEPARTMENT AND RECEIVE APPROVAL THEREFROM PRIOR TO THE ERECTION
- 28,THE CONTRACTOR IS TO PROVIDE SECURITY BARRIERS AND OTHER APPLICABLE DEVICES AS REQUIRED TO CARRY OUT THE WORK AS REQUIRED BY LOCAL AND/OR STATE CODE AND REGULATIONS. PLACEMENT OF SAFETY DEVICES IS TO TAKE PLACE IN A MANNER SO AS NOT TO DISRUPT THE FACILITY OPERATIONS.

ABBREVIATIONS

: ALTERNATIVE

: APPROXIMATI

: CONTROL JOINT

: CENTER LINE

: ALUMINUM

: BOARD

: BUILDING

: BLOCK

: BOTTOM

: CEILING

: CLEAN OUT

: CONCRETE

: DIAMETER

: DEMOLITION

: DIMENSION

: DRAWING

: FACH

: DOWN SPOUT

: EXHAUST FAN

ELEVATION

: EQUIPMENT

EQUAL

: EXPANSION JOINT

DRINKING FOUNTAIN

: COLUMN

: CENTER

: DOUBLE

: DETAIL

: CLEAR

A.F.F.

ALT.

ALUM.

BLDG.

BLK.

CLG.

CLR.

C.O.

COL.

CONC

DEMO

DET.

DIM.

EQUIP

CMU.

APPROX

: ABOVE FINISHED FLOOR

: CONCRETE MASONRY UNIT

AMERICANS WITH DISABILITIES ACT EWC

29.REMOVED EQUIPMENT AND MATERIALS NOT BEING REUSED OR RETURNED TO OWNER SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.

EXT.

FEC

FIN

FT.

FTG.

GALV.

GFI.

GYP.

H.D.G.

HDWR.

HVAC.

INCL

KD.

LAM.

LAV. LB.

LTG.

LVR

INSUL

HDR.

: ELECTRIC WATER COOLER

: FIRE EXTINGUISHER CABINET

: GROUND FAULT CIRCUIT INTERRUPT

: EXISTING

: EXTERIOR

: FLOOR DRAIN

: FIRE RATING

: GALVANIZED

: HOLLOW CORE

AIR CONDITIONING

: INSIDE DIAMETER

: HOT DIPPED GALVANIZED

: HEATING, VENTILATING, AND

: FOOT/FEET

: FOOTING

: GLASS

: GYPSUM

: HEADER

HEIGHT

: HARDWARE

: INCLUDED

INTERIOR

: KILN DRIED

: LAMINATED

: LAVATORY

: LIGHTING

: MANUFACTURER

: POUND

: LOUVER

: INSULATION

: FIRE EXTINGUISHER

- 30. ALL STEEL SHALL HAVE RUST PROOFING COATING FROM MANUFACTURER AND 2 COATS OF PAINT (COLOR AS INDICATED ON PLANS).
- 31. THE FIRE STATION IS A 24/7 OPERATING FACILITY AND SHALL REMAIN IN OPERATION DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO WORKING IN NEW AREAS
- 32. GENERAL CONTRACTOR SHALL PROVIDE 4 HARD COPIES AND ELECTRONIC PDF
- 33. PRIOR TO CONSTRUCTION THE GENERAL CONTRACTOR SHALL PROVIDE THE CITY OF NAPLES WITH A SCHEDULE OF VALUES FOR THE PROJECT SCOPE ONCE NOTIFIED OF AWARD / NPT PRIOR TO COMMENCING ANY WORK.
- "PORTA-POTTY" AND COORDINATE WITH THE CITY OF NAPLES PROJECT MANAGER IT LOCATION TO MINIMIZE IMPACT OF OPERATIONS.
- 35. GENERAL CONTRACTOR SHALL PROVIDE A LARGE AND SECURED AND ENCLOSED STORAGE CONTAINER(S) TO HOUSE ALL THE EQUIPMENT IN THE FITNESS ROOM AND REINSTALL IT AT THE END OF THE PROJECT.
- 36. DURING CONSTRUCTION, THE GENERAL CONTRACTOR IS REQUIRED TO PROTECT AND SEAL LOCKER CLOSETS, BEDS, KITCHEN CABINETS, COMPUTER AND COMMUNICATION EQUIPMENT THAT COULD BE DAMAGED OR DAMAGED BY DUST DURING CONSTRUCTION. THIS SHALL BE COORDINATED PRIOR TO COMMENCEMENT OF WORK AS TO NOT IMPACT THE OPERATIONS OF THE STATION.
- NOT BEING IMPACTED BY CONSTRUCTION PRIOR TO START, AND REINSTALL IN ORIGINAL LOCATION AT THEN COMPLETION OF WORK.
- 38. CONTRACTOR SHALL PROVIDE 5 YEAR EXTENDED WARRANTY FOR NEW PAC 1, 2,

40. CLOSEOUT DOCUMENTS:

MAXIMUM

MIMIMIM

NUMBER

: ON CENTER

OVERHEAD

OPPOSITE

: PARTITION

: PLYWOOD

PREFABRICATED

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

REFLECTED CEILING PLAN

PRESSURE TREATED

PRELIMINARY

PILING

PANEL

RADIUS

RECESSED

: REQUIRED

: REVISION

: ROOFING

: ROUGH

: ROOM

: REFERENCE

: REINFORCING

: ROUGH OPENING

METAL

MECHANICAL

: MISCELLANEOUS

: NOT TO SCALE

NOT IN CONTRACT

OUTSIDE DIAMETER

MECH.

MISC.

MTL

N.I.C.

OPP.

PLG.

PLYWD.

PREFAE

PRELIM

PSF.

REC.

RCP.

REINF

REQD.

REV.

RFG.

RGH.

PARTN.

PROVIDED 2 HARD COPIES AND ONE ELECTRONIC COPY OF CLOSE OUT DOCUMENTS, CLOSEOUT DOCUMENTS SHALL INCLUDE, CERTIFICATE OF OCCUPANCY, ALL WARRANTIES, USER'S MANUAL. WRITTEN MAINTENANCE INSTRUCTIONS FOR ALL MATERIAL AND EQUIPMENT, AND RECORD DOCUMENTS ('AS-BUILT'), SUBMITTALS, CHANGE ORDERS, ETC.

S.C. SCH.

SHT.

SHV.

SPEC.

SQ. FT.

SST.

STL. SUP.

TG.

VTR.

WC.

WH.

WHICH REQUIRE COORDINATION WITH EXISTING FACILITY FUNCTION

FORMAT SHOP DRAWINGS FOR REVIEW AND APPROVAL OF THE DESIGN TEAM.

34. GENERAL CONTRACTOR SHALL PROVIDE DUMPSTER AND PORTABLE RESTROOM

- 37. GENERAL CONTRACTOR SHALL RELOCATE FURNITURE FROM BUNK ROOM TO AREAS
- 39. CONTRACTOR SHALL PROVIDE 2 SETS OF BOUND AND ONE ELECTRONIC COPY OF O&M MANUALS FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT.

: SANITARY

: DRAWING

: SCHEDULE

: SHINGLES

: SHELVING

: SQUARE

: STEEL

: SPECIFICATION

: SQUARE FOOT

: TEMPORARY

: THICKNESS

· TYPICAL

: STAINLESS STEEL

: TEMPERED GLASS

: UNDER GROUND

LABORATORIES, INC.

: UNDERWRITERS

: VERIFY IN FIELD

: VENT THRU PIPE

: WATER CLOSET

· WATER HEATER

: WATERPROOF

: YARD

: VENTILATOR

: VERTICAL

: UNDERGROUND ELECTRIC

: SHEET

SOLID CORE

SANTIAGO JIMÉNEZ, R.A. AR-94369

PROJECT TEAM DESIGNER AMEC FOSTER WHEELER

BIM / DRAWINGS BY:

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ARCHITECT OF RECORD

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No. DESCRIPTION

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CHECKED BY:

CR

Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

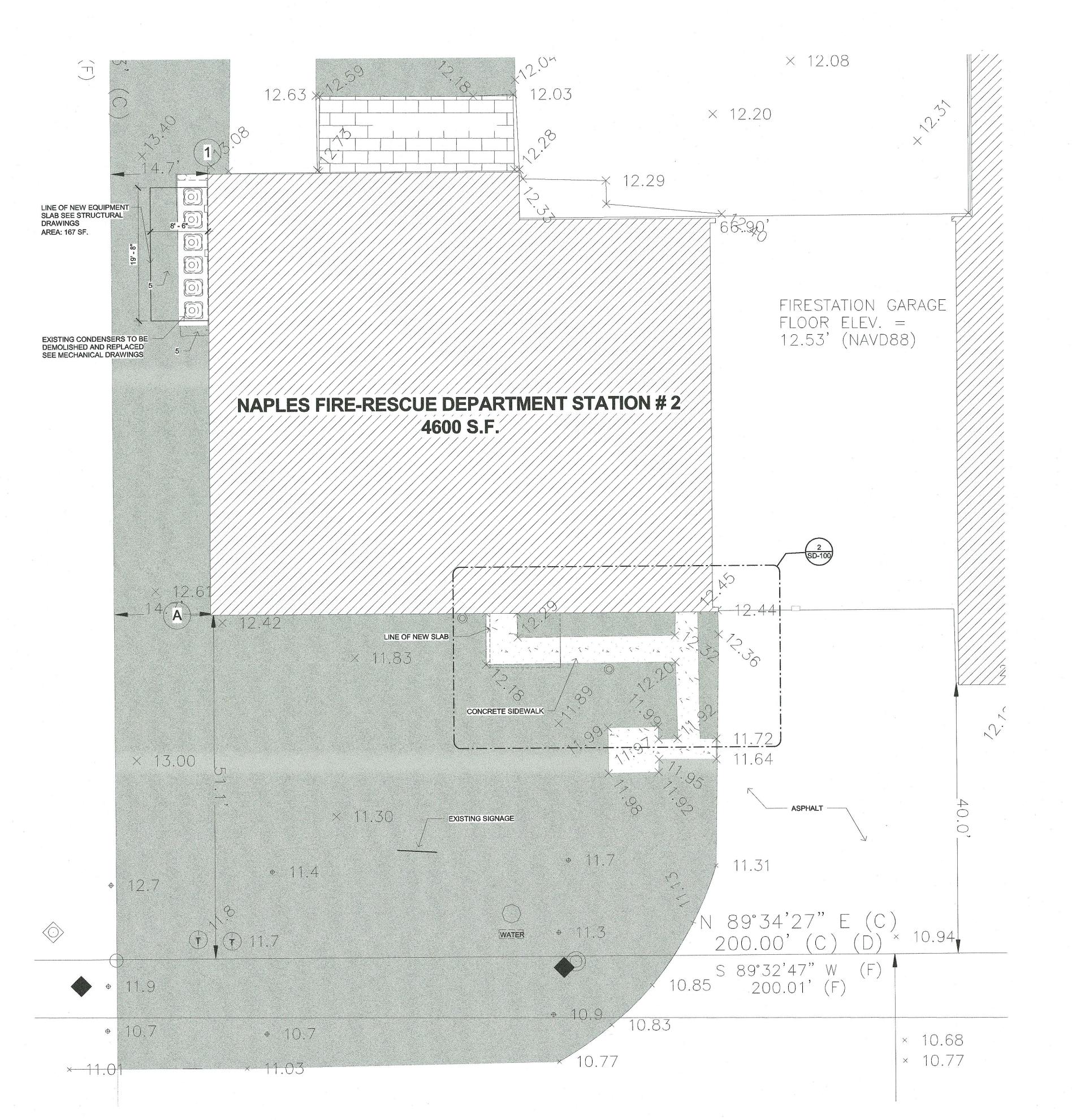
PROJECT NUMBER | STATUS | ISSUE DATE

100% CD 06-19-17

GENERAL NOTES

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

City of Naples, FL 18-002 Fire Station #2 Improvements ITE SHEET NUMBER



SITE DEMOLITION KEY NOTES

- 1. G.C. TO REPLACE DAMAGED GRASS WITH NEW SOD.
- 2. SOIL MUST BE COMPACTED AND LEVELED TO RECEIVE NEW CONCRETE SLAB.
- 3. SAW CUT CONCRETE SLAB PERPENDICULAR TO LINE OF THE BUILDING.
- 4. DEMOLISH SIDE WALK AS SHOWN.
- 5. DEMOLISH GRASS/TURF/GRAVEL AS REQUIRED TO INSTALL NEW CONCRETE SLAB.

GENERAL SOIL PREP. NOTES

- PROVIDE 8 INCH MINIMUM LIMEROCK BASE DEPTH, UNLESS SOFT SOILS OR ORGANICS ARE PRESENT.
- PROVIDE 12 INCH LIMEROCK BASE. CLEAN THE UNDERLYING SUBGRADE OF ALL FOREIGN SUBSTANCES, CORRECT RUTS AND SOFT YIELDING SPOTS THAT APPEAR IN THE UNDERLYING COURSE.
- COMPACT LIMEROCK BASE TO 98 PERCENT OF MAXIMUM DRY UNIT WEIGHT,

PROTECT EXISTING DOWNSPOUT TO REMAIN

10'-4*

EXISTING CONCRETE SIDEWALK

AREA: 82 SF.

NOWAY

LINE OF NEW EQUIPMENT
SLAB SEE STRUCTURAL
DRAWINGS

SIDE WALK TO REMAIN

1 EXISTING DEMO SITE PLAN
1/8" = 1'-0"

2 SIDEWALK DEMO ENLARGED PLAN 3/16" = 1'-0" amec foster wheeler

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06-19-17

SANTIAGO JIMENEZ, R.A. AR-94369

PROJECT TEAM

DESIGNER

AMEC FOSTER WHEELER

BIM / DRAWINGS BY:

CR/GT

CHECKED BY:

Naples Fire
Station #2
Int. Renovation
(Ceilings / HVAC)

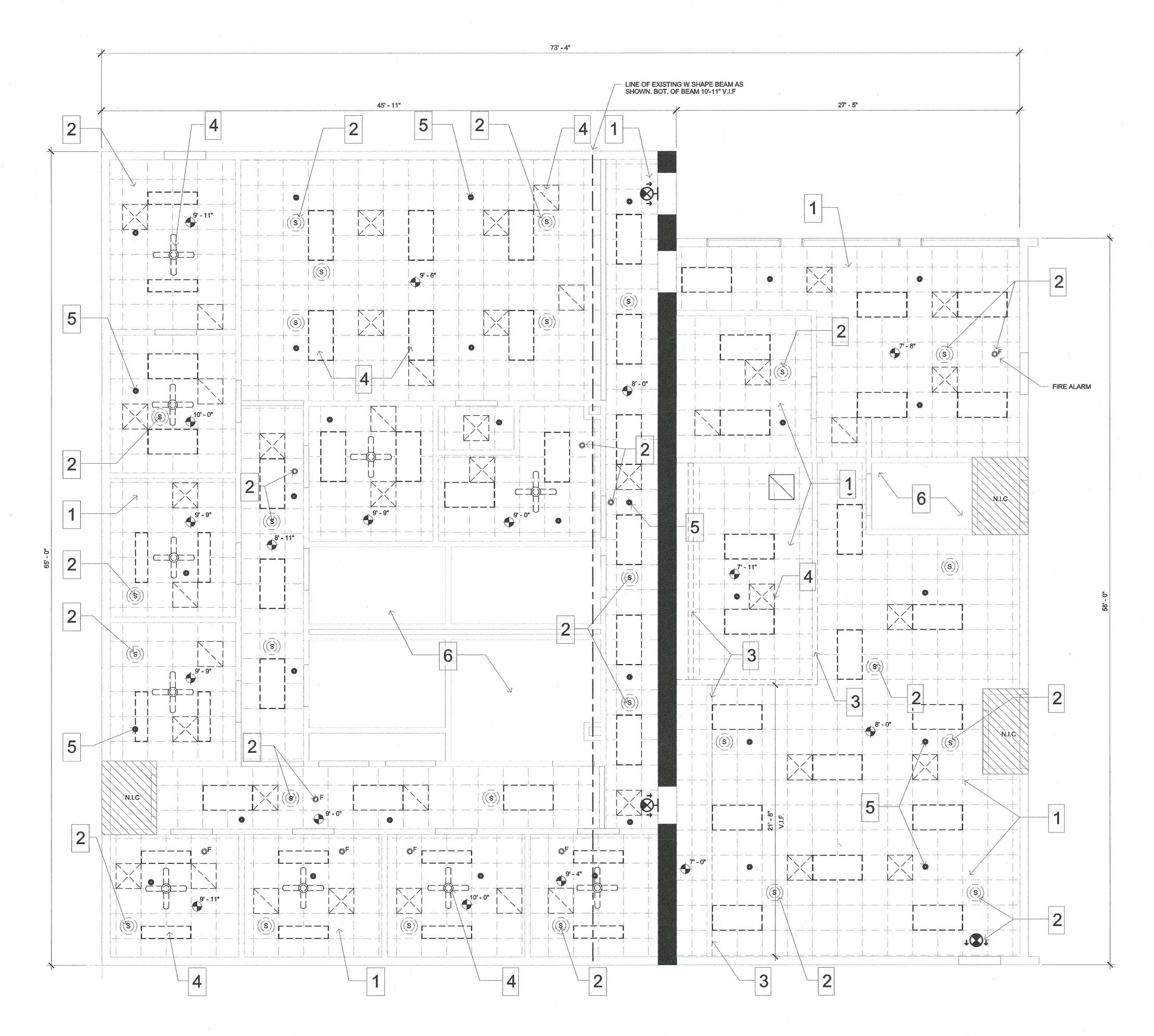
6788-17-2974 100% CD 06-19-17

PROJECT NUMBER | STATUS |
SITE DEMOLITON
PLAN

SCALE: As indicated

SD-100

SHEET NUMBER



1 CEILING AND GRID DEMO PLAN 1/4" = 1'-0"

SYMBOL LEGEND

EXISTING FIRE SEPARATION WALL

EXISTING WALL / PARTITION TO REMAIN

EXISTING SOFFIT / PARTITION TO BE DEMOLISHED

EXISTING LIGHTING FIXTURE TO BE DEMOLISHED

SEE ELECTRICAL DRAWINGS

EXISTING DIFFUSER / REGISTER TO BE DEMOLISHED

SEE MECHANICAL DRAWINGS

EXISTING CEILING FAN TO BE
DEMOLISHED

24" X 24" ACT AND GRID TO
BE DEMOLISHED

EXISTING SPEAKER TO BE REMOVED
AND STORED FOR REINSTALLATION

EXISTING HORN TO BE REMOVED AND STORED FOR REINSTALLATION

 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF CONDITIONS AND QUANTITIES AND NOTIFY IN WRITING THE A/E TEAM AND THE CITY OF NAPLES PROJECT MANAGER OF ANY DISCREPANCIES FOUND.

DENOTES AREA NOT IN CONTRACT

 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY EXISTING DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

GENERAL DEMOLITION NOTES

- THE CONTRACTOR IS TO EXERCISE DUE CARE DURING THE DEMOLITION AND REMOVAL PHASE, TO ASSURE THAT ITEMS SCHEDULED FOR DEMOLITION AND REMOVAL ARE PROPERLY REMOVED WITHOUT DAMAGE TO THE SURROUNDING AREA(S).
- ITEMS SCHEDULED TO BE RELOCATED OR TO REMAIN ARE TO BE COORDINATED WITH THE OWNER AND ARE TO BE SUBSEQUENTLY PROTECTED FROM DAMAGE.
- CONTRACTOR TO REMOVE EXISTING CEILING MOUNTED EQUIPMENT INCLUDING BUT NOT LIMITED TO SPEAKERS, ALARMS, MOTION SENSORS, STOBE LIGHTS, CEILING FANS AND SPRINKLER HEADS, AS NEEDED TO COMPLETE WORK AND STORE THEM FOR LATER RE-INSTALLATION.
- ALL ITEMS THAT ARE CALLED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF AS REQUIRED BY LOCAL AND STATE CODES AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL CAREFULLY EXECUTE ALL WORK TO AVOID UNNECESSARY DAMAGE TO EXISTING ITEMS INDICATED TO REMAIN IN PLACE INCLUDING BUT NOT LIMITED TO CEILING TILES, EXISTING LIGHT FIXTURES, HVAC DUCTS, WALL AND FLOOR FINISHES, EXISTING BUILT-IN CABINETS OTHER FURNITURE, FIXTURES AND EQUIPMENT.
- FINAL PLACEMENT OF ALL SAFETY DEVICES IS TO BE COORDINATED WITH THE FACILITY USER AND THE CITY OF NAPLES PROJECT MANAGER AS APPLICABLE FOR THIS PARTICULAR PROJECT.
- THE CONTRACTORS SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PATCHING AND RE-FINISHING ANY DAMAGED SURFACES AS A DIRECT OR INDIRECT RESULT OF THIS WORK. MATCH EXISTING FINISHES AND PAINT ALL SURFACES AFFECTED BY THE NEW CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT THE EXISTING INTERIOR FINISHES NOT SCHEDULED TO BE REMOVED OR DEMOLISHED.

DEMOLITION KEY NOTES:

- 1. DEMOLISH ALL CEILING TILES, BATT INSULATION AND GRID IN ENTIRE BUILDING AS SHOWN.
- DISCONNECT AND REMOVE EXISTING CEILING HOSTED SPEAKERS, STROBES, HORNS, EMERGENCY LIGHTS, EXIT LIGHTS AND TEMPORARILY STORE THEM FOR REINSTALLATION DURING THE CONSTRUCTION OF NEW CEILING.
- DEMOLISH EXISTING CEILING BULKHEADS, HEADERS AND SOFFITS AS SHOWN. PATCH AND REPAIR ADJACENT WALLS.
- 4. DEMOLISH EXISTING CEILING FANS, LIGHTING, REGISTERS AND DIFFUSERS.
- 5. SPRINKLER HEADS SHALL BE ADJUSTED / MODIFIED AS REQUIRED TO FIT WITHIN NEW CEILING, LIGHTING AND EQUIPMENT LAYOUT. GENERAL CONTRACTION SHALL COORDINATE THE RELOCATION OF EXISTING LINES TO AVOID INTERFERENCES WITH NEW HVAC DUCT, LIGHTING FIXTURES AND CEILING MOUNTED EQUIPMENT.
- DEMOLISH DIFFUSERS AND REGISTERS. HARD CEILINGS TO REMAIN. PATCH AND REPAIR.



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SANTIAGO JIMENEZ, R.A.

AR-94369

PROJECT TEAM
DESIGNER

AMEC FOSTER WHEELER
BIM / DRAWINGS BY:
CR/GT

CHECKED BY:

CR

Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

100% CD 06-19-17

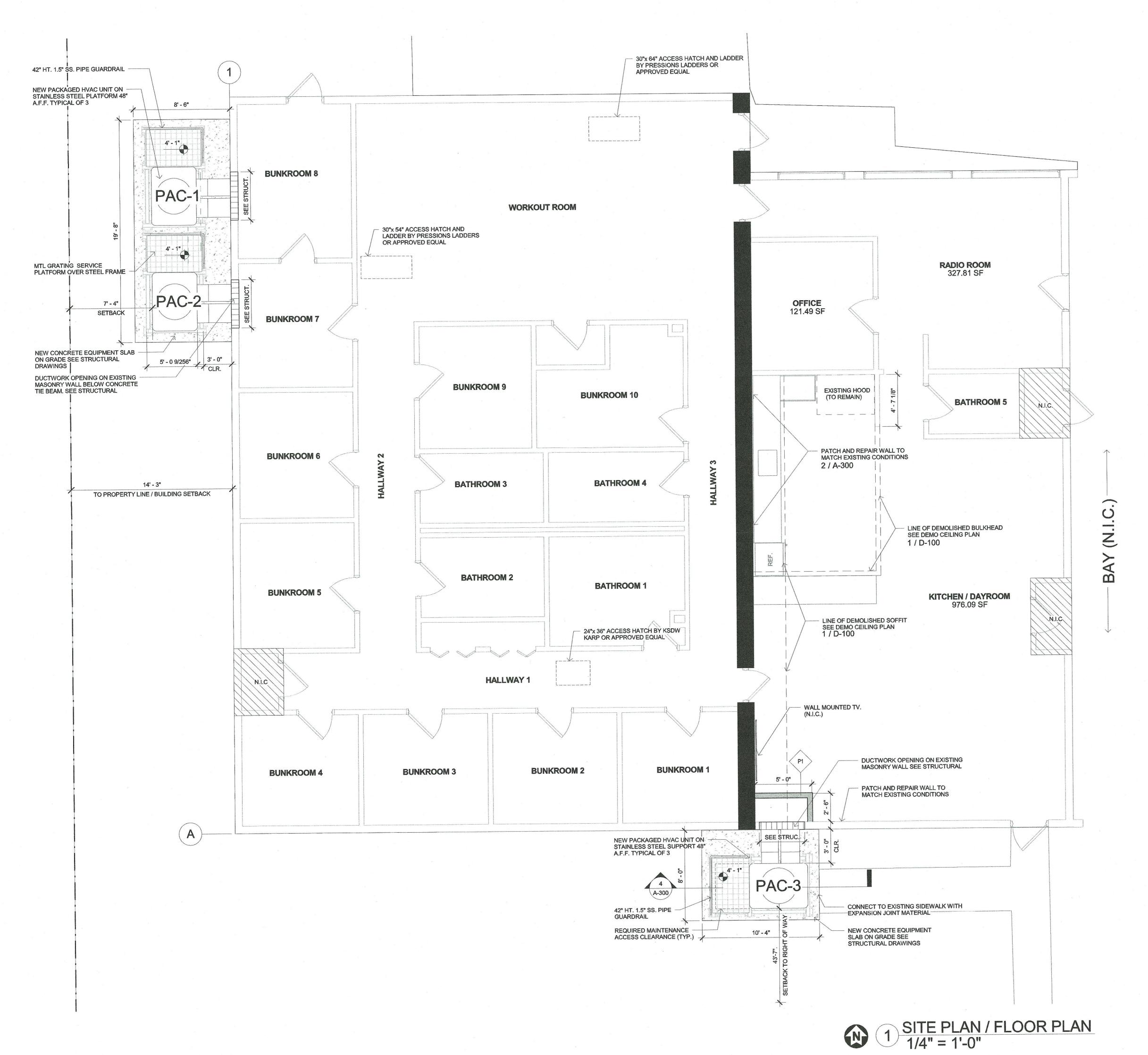
PROJECT NUMBER | STATUS |

DEMOLITION CEILING PLAN

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

D-100

SHEET NUMBER



SYMBOL LEGEND

EXISTING FIRE SEPARATION WALL EXISTING WALL / PARTITION

NEW OPENING ON EXISTING WALL

NEW WALL / PARTITION

EXISTING SINGLE LEAF DOOR



DENOTES AREA NOT IN CONTRACT

NEW FINISH NOTES:

- 1. PROTECT ALL KITCHEN CASEWORK, COUNTERS AND EQUIPMENT
- 2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE NEW WALL FINISH LAYER AND CEILINGS.
- 3. WALL FINISH LAYER EXTEND 6" MIN. ABOVE NEW ATC CEILING.
- WALL FINISH LAYER SHELL MEET NEW GYPSUM CEILING APPLY CONTINUOUS SEALANT AT JOINTS.
- 5. NEW TUBULAR STEEL PLATFORM TO PAINTED WITH SHERWIN WILLIAMS MACROPOXY 464 OR APPROVED EQUAL.

WALL OPENING NOTES

1. HEIGHT, SIZE AND LOCATION OF NEW DUCTWORK OPENINGS ON MASONRY WALLS SHALL BE COORDINATED BY GENERAL CONTRACTOR.

- 2. CONTRACTOR SHALL PROVIDE PROPER FLASHING AND SEAL AT OPENINGS.
- 3. CONTRACTOR TO PATCH AND REPAIR SURROUNDING WALL AND PAINT WITH SW 6107 / SW 7064 AS APPLICABLE TO MATCH EXISTING CONDITIONS.

FACILITY OPERATIONS

- 1. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION SEQUENCING AS TO MAINTAIN THE OVERALL OPERATION OF THE STATION. NORMAL OPERATION NOT BE IMPACTED BY CONSTRUCTION TASK. THIS FACILITY SHALL REMAIN OPERATIONAL.
- 2. KITCHEN IS TO REMAIN OPERATIONAL DURING THE DURATION OF CONSTRUCTION, CONTRACTOR SHALL COORDINATE AND PROVIDE POWER FOR KITCHEN APPLIANCES / REFRIGERATOR DURING THE UPGRADE OF ELECTRICAL OUTLETS. IT IS SUGGESTED THAT THE CONTRACTOR PROVIDES A 20A. EXTENSION CORD FROM AN UNAFFECTED PART OF THE BUILDING (SEE ELECTRICAL DRAWINGS).



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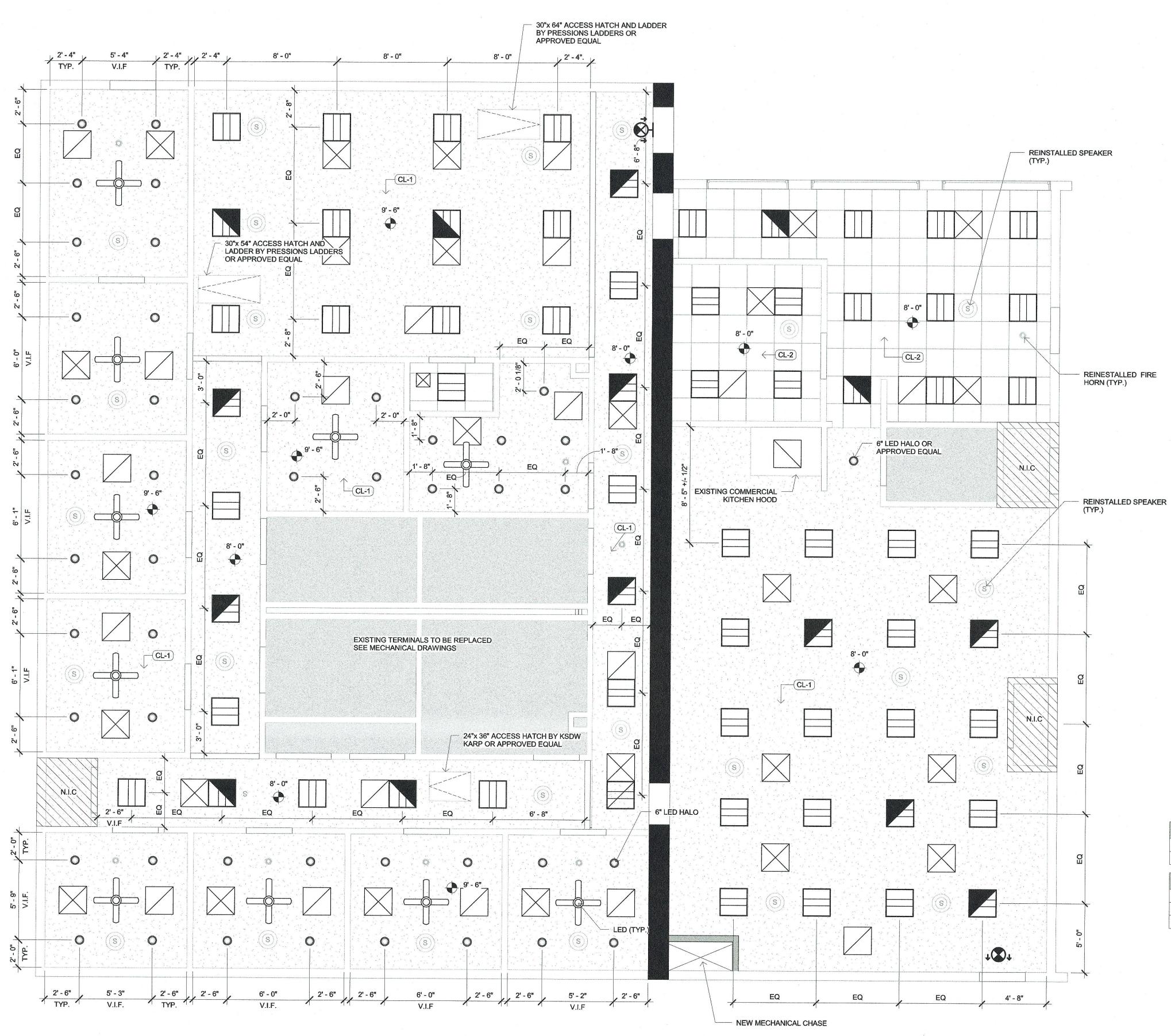
Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

100% CD 06-19-17 PROJECT NUMBER | STATUS | SITE PLAN / FLOOR

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

A-100

SHEET NUMBER



1 NEW REFLECTED CEILING PLAN
1/4" = 1'-0"



NEW 6" LED RECESSED CAN LIGHTING FIXTURE

NEW 6" LED RECESSED CAN LIGHTING FIXTURE (EMERGENCY BATTERY BACKUP)

NEW 24 X 24 LED LIGHTING FIXTURE

NEW 24 X 24 LED LIGHTING FIXTURE (EMERGENCY BATTERY BACKUP)

NEW 56" BLADE CEILING FAN WITH CENTERL LED LIGHTING FIXTURE

REINSTALLED SPEAKER (PREVIOUSLY EXSITING)

REINSTALLED FIRE HORN (PREVIOUSLY EXSITING)

NEW 24" X 24" ACT AND GRID (STANDARD NON-RATED)

> NEW GYPSUM BOARD CEILING (STANDARD NON-RATED)

EXISTING GYPSUM BOARD CEILING TO REMAIN (SEE MECHANICAL DWGS. FOR NEW DIFFUSER REPLACEMENT)

NEW HVAC DIFFUSER (SEE

MECHANICAL DRAWINGS)

NEW HVAC REGISTER (SEE MECHANICAL DRAWINGS)

NEW CEILING ACCESS HATCH

EMERGENCY EXIT SIGN (WALL MOUNTED) FINAL LOCATION TO BE DETERMINED BY FIRE MARSHAL HAVING JURISDICTION (NOT SHOWN)

EMERGENCY EXIT SIGN (CEILING MOUNTED) FINAL LOCATION TO BE DETERMINED BY FIRE MARSHAL HAVING JURISDICTION (NOT SHOW)

NEW CEILING NOTES:

1. ALL LIGHTING FIXTURES TO PREVENT AIRFLOW TO PLEMNUM.

2. GENERAL CONTRACTOR SHALL COORDINATE ALL CEILING ITEMS WITH MEP, FIRE PROTECTION, AND LOW VOLTAGE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH

3. ALL CEILING GRIDS TO BE CENTERED IN ROOMS UNLESS OTHERWISE NOTED. GRIDS IN IRREGULARLY SHAPED SPACES SHALL BE INSALLED AS SHOWN ON ARCHITECTS PLANS



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PROJECT TEAM

DESIGNER

BIM / DRAWINGS BY:

CHECKED BY:

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Station #2
Int. Renovation
(Ceilings / HVAC)
6788-17-2974
100% CD 06-19-17

PROJECT NUMBER | STATUS | ISSUE DATE

CEILING PLAN

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

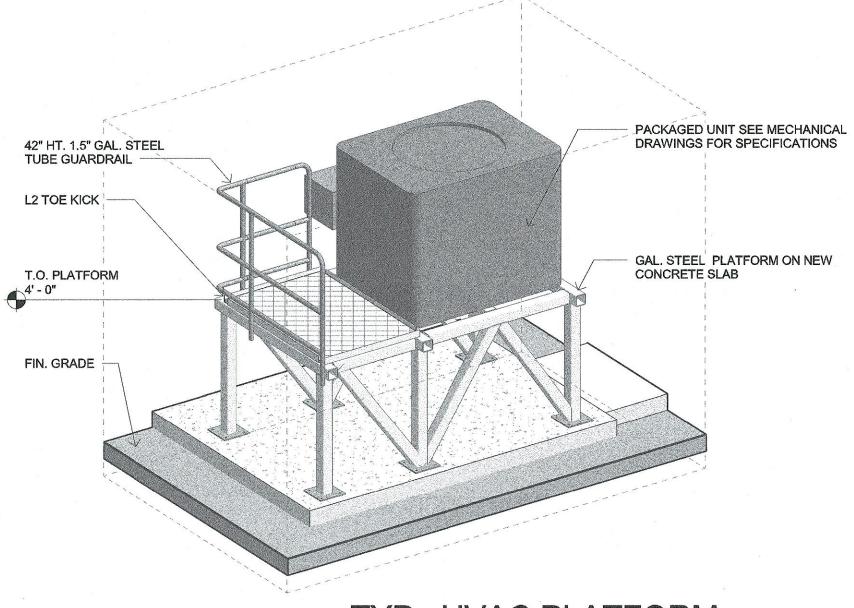
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NOTE

ALL EXTERIOR GAL. STEEL STRUCTURES TO RECEVICE ONE COAT OF PRIMER AND SYNTHETIC 2 COATS OF PAINT.

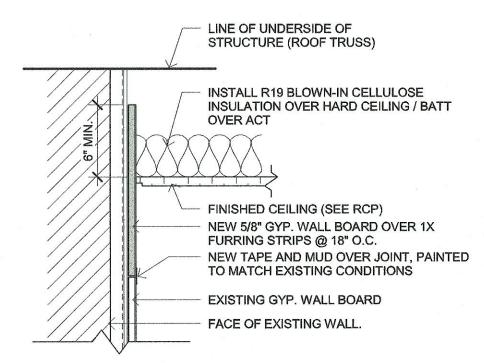
COLOR TO BE SELECTED BY CITY OF NAPLES PROJECT MANAGER FROM MRF. FULL COLOR SAMPLE.



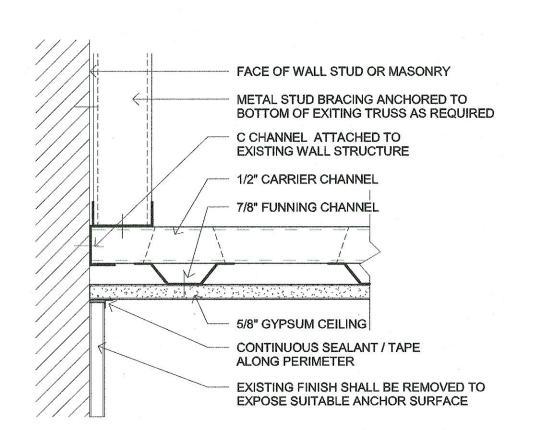
5 TYP. HVAC PLATFORM

UNDERSIDE OF EXISTING STRUCTURE CONTINUOUS SEALANT EXPOSED MTL STUD FINISHED CEILING (SEE RCP) (1) LAYER 5/8" DENSHIELD WALL BOARD OR APPROVED EQUAL CHASE 1" CONTINUOUS RIGID FOAM INSULATION AS PER MRF RECOMMENDATIONS SEE FLOOR PLAN PAINT TO MATCH EXISTING DAY ROOM SOUND ATTENUATION BLANKET - 4" 20 GA. MTL STUD @ 16 O.C. - 1x NAILER BASE TO MATCH EXISTING EXISTING CONCRETE SLAB

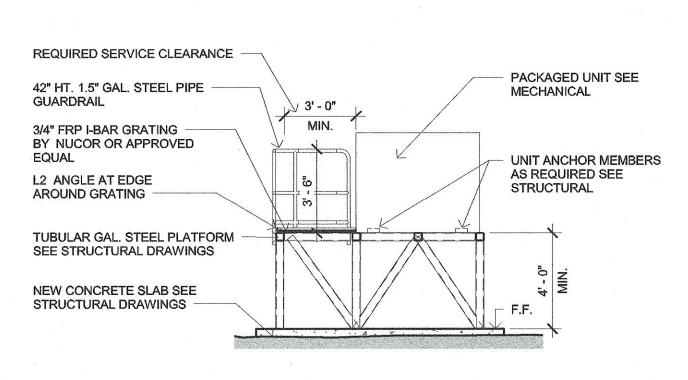
1 P1 - NEW CHASE WALL 1 1/2" = 1'-0"



2 NEW DRYWALL FINISH DETAIL 1 1/2" = 1'-0"



3 HARD CEILING DETAIL - TYP 3" = 1'-0"



4 TYPICAL HVAC PLATFORM DETAIL 1/4" = 1'-0"

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AR-94369

PROJECT TEAM

DESIGNER

AMEC FOSTER WHEELER

DESIGNER

AMEC FOSTER WHEELER

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Naples Fire Station #2 Int. Renovation (Ceilings / HVAC)

6788-17-2974 100% CD 06-19-17

PROJECT NUMBER | STATUS |
DETAILS /
SPECIFICATIONS

SCALE: As indicated

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SHEET NUMBER

18-002 Fire Station #2 Improvements ITB

City of Naples, FL

SECTION 024116 - STRUCTURE DEMOLITION

PART 1 - GENERAL

- 1.1 SUMMARY
- A. Section Includes:
- Demolition and removal of buildings and site improvements.
- 1.2 INFORMATIONAL SUBMITTALS
- A. Schedule of building demolition with starting and ending dates for each activity.
- 1.3 PROJECT CONDITIONS
- A. Arrange demolition schedule so as not to interfere with Owner's on-site operations.

PART 2 - PRODUCTS

- 2.1 SOIL MATERIALS
- A. Satisfactory Soils: Existing

PART 3 - EXECUTION

- 3.1 EXAMINATION
- A. Verify that utilities have been disconnected and capped before starting demolition operations.
- 3.2 PREPARATION
- A. Existing Utilities: Locate, identify, disconnect, and seal or cap off indicated utilities serving buildings and structures to be demolished.
- 3.3 PROTECTION
- A. Existing Facilities: Protect adjacent walkways, building entries, and other building facilities during demolition operations. Maintain
- exits from existing buildings.

 B. Existing Utilities: Maintain utility services to remain and protect from damage during demolition operations. Do not interrupt existing
- C. Remove temporary barriers and protections where hazards no longer exist. Where open excavations or other hazardous conditions remain, leave temporary barriers and protections in place.

utilities serving adjacent occupied or operating facilities unless authorized in writing by Owner and authorities having jurisdiction.

- 3.4 DEMOLITION
- A. General: Demolish indicated buildings and site improvements completely. Use methods required to complete the Work within limitations of governing regulations.
- B. Site Access and Temporary Controls: Conduct building demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- Do not close or obstruct walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by authorities having invited to the contract of the contract of
- 2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations.

END OF SECTION 024116

SECTION 024119 - SELECTIVE DEMOLITION

PART 1 - GENERAL

- 1.1 DEFINITIONS
- A. Remove and Reinstall: Detach items from existing construction, prepare for reuse, and reinstall where indicated.
- B. Existing to Remain: Existing items of construction that are not to be permanently removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.
- 1.2 FIELD CONDITIONS
- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- Before selective demolition, Owner will remove the following items:
- a. Personal Items and Belongings.
- C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
- If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials shall be removed under a separate contract.
- E. Sale of removed items or materials on-site is not permitted. Items shall be returned to Owner.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
- 1. Maintain fire-protection facilities in service during selective demolition operations.

PART 2 - PRODUCTS

PART 3 - EXECUTION

- 3.1 EXAMINATION
- Verify that utilities have been disconnected and capped before starting selective demolition operations.
- B. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- C. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.
- 3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS
- A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off indicated utility services and mechanical/electrical systems serving areas to be selectively demolished.
- If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area
 of selective demolition and that maintain continuity of services/systems to other parts of building.
- Disconnect, demolish, and remove fire-suppression systems, plumbing, and HVAC systems, equipment, and components indicated to be removed.
- Equipment to Be Removed: Disconnect and cap services and remove equipment.
- b. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when
- appropriate, reinstall, reconnect, and make equipment operational.
- Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material.
- C. Refrigerant: Remove refrigerant from mechanical equipment to be selectively demolished according to 40 CFR 82 and regulations of authorities having jurisdiction.

3.3 PREPARATION

A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities as well as access and operation of the apparatus bay.

3.4 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
- Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
- 2. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
- Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.
- 4. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- 5. Dispose of demolished items and materials promptly.

B. Removed and Reinstalled Items:

- 1. Clean and repair items to functional condition adequate for intended reuse.
- 2. Pack or crate items after cleaning and repairing. Identify contents of containers.
- Protect items from damage during transport and storage.
- Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.
- C. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When indicated in the plans, items shall be removed to a suitable, protected storage location during selective demolition and reinstalled in their original locations after selective demolition operations are complete.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.
- Do not allow demolished materials to accumulate on-site.
- 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Disposal: Transport demolished materials off Owner's property and legally dispose of them.
- 3.6 CLEANING
- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 024119

SECTION 054000 - COLD-FORMED METAL FRAMING

PART 1 - GENERAL

- 1.1 SUMMARY
- A. Section Includes:
- Interior non-load-bearing wall framing exceeding height limitations of standard, nonstructural metal framing.
- 1.2 ACTION SUBMITTALS
- A. Product Data: For each type of product.
- 1.3 INFORMATIONAL SUBMITTALS
- A. Welding certificates.
- B. Product certificates.
- C. Product test reports.

PART 2 - PRODUCTS 2.1 PERFORMANCE REQUIREMENTS

- A. Cold-Formed Steel Framing Standards: Unless more stringent requirements are indicated, framing shall comply with AISI S100, AISI S200, and the following:
- 1. Wall Studs: AISI S211.
- 2. Headers: AISI S212.
- 3. Lateral Design: AISI S213.
- B. Fire-Resistance Ratings: Comply with ASTM E 119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
- 2.2 INTERIOR NON-LOAD-BEARING WALL FRAMING
- A. Steel Studs: Manufacturer's standard C-shaped steel studs, of web depths indicated, punched, with stiffened flanges, and as follows:
- 1. Minimum Base-Metal Thickness: 0.0428 inch (1.09 mm).
- 2. Flange Width: 2 inches (51 mm).
- B. Steel Track: Manufacturer's standard U-shaped steel track, of web depths indicated, unpunched, with unstiffened flanges, and matching minimum base-metal thickness of steel studs.
- 2.3 FRAMING ACCESSORIES
- A. Fabricate steel-framing accessories from ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated steel sheet, of same grade and coating designation used for framing members.
- B. Provide accessories of manufacturer's standard thickness and configuration, unless otherwise indicated.
- 2.4 ANCHORS, CLIPS, AND FASTENERS
- A. Anchor Bolts: ASTM F 1554, Grade 55, threaded carbon-steel carbon-steel nuts, and flat, hardened-steel washers; zinc coated by .
- B. Mechanical Fasteners: ASTM C 1513, corrosion-resistant-coated, self-drilling, self-tapping, steel drill screws.
- 1. Head Type: Low-profile head beneath sheathing; manufacturer's standard elsewhere.
- 2.5 MISCELLANEOUS MATERIALS
- A. Galvanizing Repair Paint:

PART 3 - EXECUTION

- 3.1 PREPARATION
- A. Before sprayed fire-resistive materials are applied, attach continuous angles, supplementary framing, or tracks to structural members indicated to receive sprayed fire-resistive materials.
- B. After applying sprayed fire-resistive materials, remove only as much of these materials as needed to complete installation of cold-formed framing without reducing thickness of fire-resistive materials below that required to obtain fire-resistance ratings indicated. Protect remaining fire-resistive materials from damage.
- locations with a gap larger than 1/4 inch (6 mm) to ensure a uniform bearing surface on supporting concrete or masonry construction.

C. Install load-bearing shims or grout between the underside of load-bearing wall bottom track and the top of foundation wall or slab at

- Install sealer gaskets at the underside of wall bottom track or rim track and at the top of foundation wall or slab at stud or joist locations.
- 3.2 INSTALLATION, GENERAL
- A. Cold-formed steel framing may be shop or field fabricated for installation, or it may be field assembled.
- B. Install cold-formed steel framing according to AISI S200, AISI S202, and manufacturer's written instructions unless more stringent requirements are indicated.
- C. Install cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened.
- D. Install framing members in one-piece lengths unless splice connections are indicated for track or tension members.
- E. Install temporary bracing and supports to secure framing and support loads equal to those for which structure was designed.

 Maintain braces and supports in place, undisturbed, until entire integrated supporting structure has been completed and permanent connections to framing are secured.

G. Install insulation, specified in Section 072100 "Thermal Insulation," in framing-assembly members, such as headers, sills, boxed

- F. Do not bridge building expansion joints with cold-formed steel framing. Independently frame both sides of joints.
- H. Fasten hole-reinforcing plate over web penetrations that exceed size of manufacturer's approved or standard punched openings.
- A. Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to supporting structure.

joists, and multiple studs at openings, that are inaccessible on completion of framing work.

B. Fasten both flanges of studs to top and bottom track unless otherwise indicated. Space studs as follows:1. Stud Spacing: 12 inches (305 mm).

3.3 INTERIOR NON-LOAD-BEARING WALL INSTALLATION

- C. Set studs plumb, except as needed for diagonal bracing or required for non-plumb walls or warped surfaces and similar requirements.
- D. Install horizontal bridging in wall studs, spaced vertically in rows more than 48 inches (1220 mm) apart. Fasten at each stud
- Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs.

exceed minimum fastening requirements of sheathing or other finishing materials.

- Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges and secure solid blocking to stud webs or flanges.
- 3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.F. Top Bridging for Single Deflection Track: Install row of horizontal bridging within 18 inches (450 mm) of single deflection track.
- Install a combination of bridging and stud or stud-track solid blocking of width and thickness matching studs, secured to stud webs or flanges.

 G. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, and
- f. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, a fasteners, to provide a complete and stable wall-framing system.
- 3.4 ERECTION TOLERANCES
- A. Install cold-formed steel framing level, plumb, and true to line to a maximum allowable tolerance variation of 1/8 inch in 10 feet (1:960) and as follows:

1. Space individual framing members no more than plus or minus 1/8 inch (3 mm) from plan location. Cumulative error shall not

- 3.6 REPAIRS AND PROTECTION
- A. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold-formed steel framing with galvanized repair paint according to ASTM A 780/A 780M and manufacturer's written instructions.

END OF SECTION 054000



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ARCHITECT OF RECORD

REVISION SCHEDULE

No.	DESCRIPTION	DATE

SANTIAGO JIMENEZ, R.A. AR-94369

PROJECT TEAM

DESIGNER

AMEC FOSTER WHEELER / CR

BIM / DRAWINGS BY:

CHECKED BY:

Naples Fire
Station #2
Int. Renovation
(Ceilings / HVAC)

100% CD 06-19-17
PROJECT NUMBER | STATUS |

SPECIFICATIONS

SCALE:

6788-17-2974

A 40

SHEET NUMBER 31

SECTION 055313 - BAR GRATINGS

PART 1 - GENERAL

- 1.1 ACTION SUBMITTALS
- A. Product Data: For the following:
- Clips and anchorage devices for gratings. Shop Drawings: Include plans, sections, details, and attachments to other work.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following: Neucor or Approved Equal.
- B. <u>Basis-of-Design Product</u>: Subject to compliance with requirements, provide Neucor FRP Grating or approved equal.
- 2.2 FASTENERS
- A. General: Unless otherwise indicated, provide [Type 304] [Type 316] stainless-steel fasteners for exterior use and zinc-plated fasteners with coating complying with ASTM B 633 or ASTM F 1941 (ASTM F 1941M), Class Fe/Zn 5, at exterior walls. Select fasteners for type, grade, and class required.
- 1. Provide stainless-steel fasteners for fastening stainless steel.

2.3 FABRICATION

- A. Cut, drill, and punch material cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch (1 mm) unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- B. Fit exposed connections accurately together to form hairline joints.

PART 3 - EXECUTION

- 3.1 INSTALLATION, GENERAL
- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing gratings. Set units accurately in location, alignment, and elevation; measured from established lines and levels and free of rack.
- B. Fit exposed connections accurately together to form hairline joints.
- 1. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade the surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.
- C. Attach toe plates to gratings by welding or as indicated by the manufacturer.
- 3.2 ADJUSTING AND CLEANING
- A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint and paint exposed areas with same material as used for shop painting to comply with SSPC-PA 1 requirements for touching up shop-painted

END OF SECTION 055313

SECTION 072100 - THERMAL INSULATION

PART 1 - GENERAL

- 1.1 SUMMARY
- A. Section Includes: Glass-fiber blanket.
- 1.2 ACTION SUBMITTALS
- A. Product Data: For each type of product.

PART 2 - PRODUCTS

- 2.1 GLASS-FIBER BLANKET
- A. Sustainability Requirements: Provide glass-fiber blanket insulation as follows:
- 1. Free of Formaldehyde: Insulation manufactured with 100 percent acrylic binders and no formaldehyde.
- 2. Low Emitting: Insulation tested according to ASTM D 5116 and shown to emit less than 0.05-ppm formaldehyde.
- B. Glass-Fiber Blanket, Unfaced see see A300 /1,2: ASTM C 665, Type I; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively, per ASTM E 84; passing ASTM E 136 for combustion characteristics.
- C. Glass-Fiber Blanket, Kraft Faced <Insert drawing designation>: ASTM C 665, Type II (nonreflective faced), Class C (faced surface
- not rated for flame propagation); Category 1 (membrane is a vapor barrier). 1. Basis-of-Design Product: Subject to compliance with requirements, provide R value indicated on Drawings or comparable
- product by one of the following or approved equal:
- a. Guardian Building Products, Inc. b. Knauf Insulation.
- c. Owens Corning.

PART 3 - EXECUTION

- 3.1 INSTALLATION, GENERAL
- A. Comply with insulation manufacturer's written instructions applicable to products and applications.
- B. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed to ice, rain, or snow at any time.
- C. Extend insulation to envelop entire area to be insulated. Fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.
- D. Provide sizes to fit applications and selected from manufacturer's standard thicknesses, widths, and lengths. Apply single layer of insulation units unless multiple layers are otherwise shown or required to make up total thickness or to achieve R-value.
- 3.2 INSTALLATION OF INSULATION IN FRAMED CONSTRUCTION
- A. Blanket Insulation: Install in cavities formed by framing members according to the following requirements:
- 1. Use insulation widths and lengths that fill the cavities formed by framing members. If more than one length is required to fill the cavities, provide lengths that will produce a snug fit between ends.
- 2. Place insulation in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.
- 3. Maintain 3-inch (76-mm) clearance of insulation around recessed lighting fixtures not rated for or protected from contact with

END OF SECTION 072100

SECTION 092116.23 - GYPSUM BOARD SHAFT WALL ASSEMBLIES

PART 1 - GENERAL

- 1.1 SUMMARY
- A. Section includes gypsum board shaft wall assemblies.

1.2 ACTION SUBMITTALS

A. Product Data: For each component of gypsum board shaft wall assembly.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by an independent testing agency.
- B. STC-Rated Assemblies: Provide materials and construction identical to those of assemblies tested according to ASTM E 90 and classified according to ASTM E 413 by a testing and inspecting agency.
- 2.2 GYPSUM BOARD SHAFT WALL ASSEMBLIES <Insert drawing designation>
- A. Studs: Manufacturer's standard profile for repetitive, corner, and end members as follows:
- Depth: 4 inches (102 mm).
- 2. Minimum Base-Metal Thickness: 0.030 inch (0.75 mm).
- B. Runner Tracks: Manufacturer's standard J-profile track with manufacturer's standard long-leg length, but at least 2 inches (51 mm) long and matching studs in depth.
- Minimum Base-Metal Thickness: Matching steel studs.
- C. Finish Panels: Gypsum board as specified in Section 092900 "Gypsum Board.".
- D. Sound Attenuation Blankets: As specified in Section 092900 "Gypsum Board."
- 2.3 AUXILIARY MATERIALS
- A. Trim Accessories: Cornerbead, edge trim, and control joints of material and shapes as specified in Section 092900 "Gypsum Board" that comply with gypsum board shaft wall assembly manufacturer's written instructions for application indicated.
- B. Reinforcing: Galvanized-steel reinforcing strips with 0.033-inch (0.84-mm) minimum thickness of base metal (uncoated).

PART 3 - EXECUTION

- 3.1 INSTALLATION
- A. General: Install gypsum board shaft wall assemblies to comply with requirements of fire-resistance-rated assemblies indicated and manufacturer's written installation instructions.
- B. Examine panels before installation. Reject panels that are wet, moisture damaged, or mold damaged.
- C. Sprayed Fire-Resistive Materials: Coordinate with gypsum board shaft wall assemblies so both elements of Work remain complete
- D. Do not bridge building expansion joints with shaft wall assemblies; frame both sides of expansion joints with furring and other
- E. Install supplementary framing in gypsum board shaft wall assemblies around openings and as required for blocking, bracing, and support of gravity and pullout loads of fixtures, equipment, services, heavy trim, furnishings, wall-mounted door stops, and similar items that cannot be supported directly by shaft wall assembly framing.
- 1. Reinforcing: Provide where items attach directly to shaft wall assembly as indicated on Drawings; accurately position and secure behind at least one layer of face panel.
- F. Control Joints: Install control joints according to ASTM C 840 and in specific locations approved by Architect while maintaining fire-resistance rating of gypsum board shaft wall assemblies.
- G. Sound-Rated Shaft Wall Assemblies: Seal gypsum board shaft walls with acoustical sealant at perimeter of each assembly where it abuts other work and at joints and penetrations within each assembly.
- H. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch (3 mm) from the plane formed
- Remove and replace panels that are wet, moisture damaged, or mold damaged.

END OF SECTION 092116.23

SECTION 11 33 00 - RETRACTABLE STAIRS 11 33 00

- PART 1 GENERAL
- 1.1 SECTION INCLUDES
- Manual disappearing stairways. 1.2 REFERENCES
- ANSI A14.9: Safety Requirements for Ceiling Mounted Disappearing Climbing Systems.
- 1.3 SUBMITTALS Submit under provisions of Section 01300.
- Manufacturer's data sheets on each product to be used, including:
- Preparation instructions and recommendations. Storage and handling requirements and recommendations.
- Installation methods.
- C. Shop Drawings for Stairs: 1. Plan and section of stair installation.
- 2. Indicate rough opening dimensions for ceiling and/or roof openings.
- 1.4 DELIVERY, STORAGE, AND HANDLING
- A. Store stairway until installation inside under cover in manufacturer's unopened packaging. If stored outside, under a tarp or
- 1.5 WARRANTY
- Limited Warranty: One year against defective material and workmanship, covering parts only. Defective parts, as deemed by the manufacturer, will be replaced at no charge, freight excluded, upon inspection at manufacturer's plant.
- PART 2 PRODUCTS 2.1 MANUFACTURERS
- Acceptable Manufacturer: Precision Ladders, LLC, P. O. Box 2279; Morristown, TN 37816-2279; Tel: 423-586-2265; Fax: 423-586-2091; www.PrecisionLadders.com (basis of design) or approved equal.
- Requests for substitutions will be considered in accordance with provisions of Section 01600.
- 2.2 MANUAL DISAPPEARING STAIRWAY.
- A. Manual Disappearing Stairway.
- 1. Standard Model: Super Simplex Disappearing Stairway as manufactured by Precision Ladders LLC. Stairs for ceiling heights 7'-0" - 12'-0": Model 1000.
- B. Performance Standard: Unit shall comply with ANSI A14.9, Commercial Type, for rough openings between 27 inches to 39 inches. Residential Type for rough openings between 22-1/2" and 27". Stairway capacity shall be rated at 500 lbs.
- C. Accessories:
- Steel pole to aid opening and closing stairways.
- 2. Stairs for ceiling heights 9'-10" 12'-0" shall be equipped with a patented Precision Fold Assist to aid in folding and unfolding
- of sections. Precision Fold-Assist is optional on stairways for ceiling heights of 9' 9" and below. 3. Keyed lock for door (standard on fire-rated models, optional on non-fire-rated models).

SECTION 095123 - ACOUSTICAL TILE CEILINGS

PART 1 - GENERAL

- 1.1 SUMMARY
- A. Section Includes:
- Acoustical tiles for interior ceilings.
- 2. Fully concealed, direct-hung, suspension systems.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified.

PART 2 - PRODUCTS

- 2.1 ACOUSTICAL TILES
- A. <u>Basis-of-Design Product:</u> Subject to compliance with requirements, provided on A-200 or comparable product by one of the
- Armstrong World Industries, Inc. or approved equal
- B. Acoustical Tile Standard: Manufacturer's standard tiles of configuration indicated that comply with ASTM E 1264.
- C. Color: White.
- D. Light Reflectance (LR): .
- E. Thickness: 5/8 inch (15 mm).
- F. Modular Size: As indicated on Drawings.
- 2.2 METAL SUSPENSION SYSTEM
- A. Basis-of-Design Product: Subject to compliance with requirements of 15/16" co-extruded ceiling.
- 1. Armstrong World Industries, Inc. or approved equal.
- B. Direct-Hung, Double-Web Suspension System: Main and cross runners roll formed from and capped with cold-rolled steel sheet, pre-painted, electrolytically zinc coated, or hot-dip galvanized, G30 (Z90) coating designation.
- 2.3 METAL EDGE MOLDINGS AND TRIM
- A. <u>Basis-of-Design Product</u>: Subject to compliance with requirements.
- 1. Armstrong World Industries, Inc. or approved equal.

PART 3 - EXECUTION

- 3.1 PREPARATION
- A. Measure each ceiling area and establish layout of acoustical tiles to balance border widths at opposite edges of each ceiling. Avoid using less-than-half-width tiles at borders unless otherwise indicated.
- B. Layout openings for penetrations centered on the penetrating items.
- 3.2 INSTALLATION OF SUSPENDED ACOUSTICAL TILE CEILINGS
- A. Install suspended acoustical tile ceilings according manufacturer's written instructions.
- B. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal edges of
- acoustical tiles. 1. Apply acoustical sealant in a continuous ribbon concealed on back of vertical legs of moldings before they are installed.
- Do not use exposed fasteners, including pop rivets, on moldings and trim.
- 3.3 FIELD QUALITY CONTROL
- A. Special Inspections: Owner will engage a qualified special inspector to perform inspections:

C. Arrange directionally patterned acoustical tiles as indicated on reflected ceiling plans.

1. Periodic inspection during the installation of suspended ceiling grids according to ASCE/SEI 7.

END OF SECTION 095123

- Components:
- 1. Ceiling Opening a. Ceiling height of 9' 9" or less requires an opening of 30" x 54"
- b. Stairway Stringer: 6005-T5 Extruded aluminum channel 5" x 1" x 1/8"; tri-fold design; steel blade type hinges; adjustable feet with plastic Mar-guard. Pitch shall be 63°.
- 2. Stairway Tread: 6005-T5 extruded aluminum channel 5 3/16 inches by 1 1/4 inches by 1/8 inch. Depth is 5 3/16 inches.
- Deeply serrated top surface. Riser Height: 9-1/2 inches. Clear Tread Width for Standard Width: 18 inches. 3. Railing: Aluminum bar handrail riveted to stringers, upper section only.
- Frame:
- a. If ceiling to floor (or roof deck) above is under 12", frame shall be 1/8" steel formed channel, box. b. Door Panel
- a. Standard (non-fire rated) door shall be constructed of 1/8 inch (3 mm) aluminum sheet attached to stairway frame with a steel piano hinge. Door overlaps bottom flange of frame. Eye bolt accommodates pole for opening and closing door. b. On fire-rated models, the door panel shall be constructed of 20 gauge steel and have a 2 hour fire rating for use in fire-rated
- ceiling assemblies as issued by Warnock-Hersey or other appropriate independent testing/licensing agency. Hardware: a. Steel blade type hinge connecting stringer sections. Zinc plated and chromate sealed.
- b. Steel operating arms, both sides. Zinc coat with clear trivalent chromate.
- c. Double acting steel springs and cable, both sides.
- d. Rivets rated at 1100 lb (499 kg) shear strength each. e. Steel section alignment clips at stringer section joints.
- Molded rubber guards at corners of aluminum door panel. 8. Finishes: Mill finish on aluminum stairway components. Prime coat on frame.
- 2.3 FABRICATION
- Completely fabricate ladder ready for installation before shipment to the site.
- PART 3 EXECUTION 3.1 EXAMINATION
- A. Do not begin installation until rough opening and structural support have been properly prepared. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before
- Examine materials upon arrival at site. Notify the carrier and manufacturer of any damage.

Touch-up, repair or replace damaged products before Substantial Completion.

- 3.2 INSTALLATION
- A. Install in accordance with manufacturer's instructions. 3.3 PROTECTION
- Protect installed products until completion of project.

END OF SECTION

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ARCHITECT OF RECORD

REVISION SCHEDULE

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No.	DESCRIPTION	DATE

a Maria di profit a Marian da sala di sanagan partura		

SANTIAGO JIMENEZ, R.A. AR-94369

PROJECT TEAM DESIGNER AMEC FOSTER WHEELER / CR

BIM / DRAWINGS BY:

CHECKED BY: CR/SJ

Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

100% CD 06-19-17

PROJECT NUMBER | STATUS | ISSUE DATE **SPECIFICATIONS**

SCALE:

SHEET NUMBER

18-002 Fire Station #2 Improvements ITB

City of Naples, FL

GENERAL STRUCTURAL NOTES

A. CODES AND STANDARDS THE FOLLOWING CODES AND STANDARDS SHALL APPLY TO THE DESIGN, CONSTRUCTION, AND QUALITY CONTROL OF ALL WORK PERFORMED ON THE PROJECT. USE THE LATEST EDITIONS UNLESS NOTED OTHERWISE. SAFETY AND CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. 1. 2014 FLORIDA BUILDING CODE - BUILDING 2. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-10), AMERICAN SOCIETY OF CIVIL 3. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-11), AMERICAN CONCRETE INSTITUTE 4. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-08), AMERICAN CONCRETE INSTITUTE 5. AMERICAN INSTITUTE OF STEEL CONSTRUCTION B. DESIGN DATA 1. EQUIPMENT LOAD 2. WIND DESIGN DATA a. ULTIMATE DESIGN WIND SPEED (3-SECOND GUST) 175 MPH b. RISK CATEGORY II c. EXPOSURE CATEGORY C d. EXPOSURE CLASSIFICATION - ENCLOSED e. INTERNAL PRESSURE COEFFICIENT - GCpi = +0.18 C. FOUNDATIONS 1. FOUNDATIONS PLACED ON UNDISTURBED SOIL OR ON PROPERLY PLACED AND COMPACTED GRANULAR FILL AT ELEVATIONS INDICATED HAVE BEEN DESIGNED FOR AN ALLOWABLE NET BEARING PRESSURE OF 2000 PSF. CONTRACTOR IS RESPONSIBLE OF VERIFYING THE SOIL CAPACITY ASSUMED... 2. TOP OF FOOTING 4" ABOVE GROUND. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT. 1. CEMENT: ASTM C150; TYPE I/II 2. CONCRETE: fc = 3000 PSI BELOW GRADE, 4000 PSI MIN. ABOVE GRADE. 3. REINFORCEMENT: DEFORMED REINFORCING BARS - GRADE 60 a. STRUCTURAL STEEL WIDE FLANGE AND TEE SECTIONS: ASTM A992, FY = 50 KSI b. STRUCTURAL ANGLES, CHANNELS & PLATES: ASTM A36 c. ROUND HOLLOW STRUCTURAL SHAPES: ASTM A500, GRADE B, FY = 42 KSI d. RECTANGULAR HOLLOW STRUCTURAL SHAPES: ASTM A500, GRADE B, FY = 46 KSI e. HIGH STRENGTH BOLTS: ASTM A325-N OR TC-TYPE f. WELDING ELECTRODES: AWS 5.1 OR A5.5, E70XX 5. MASONRY HOLLOW -ASTM C90, TYPE 1, GRADE N, MINIMUM COMPRESSIVE STRENGTH ON NET AREA = 2000 PSI b. MORTAR: ASTM C270, TYPE M (BELOW GRADE), TYPE S (ABOVE GRADE) c. GROUT: ASTM C476; MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS = 3000 PSI E. CONCRETE 1. CAST-IN-PLACE: a. REINFORCING STEEL CLEAR COVER SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3" CONCRETE EXPOSED TO EARTH OR WEATHER:

2. SUBMIT MATERIAL TEST REPORTS FROM A QUALIFIED TESTING AGENCY DEMONSTRATING THAT TEST RESULTS FOR TRIAL

SPECIMENS SHALL BE TESTED ACCORDING TO ASTM C39. TEST TWO AT 7 DAYS AND THREE AT 28 DAYS. REFER TO FBC

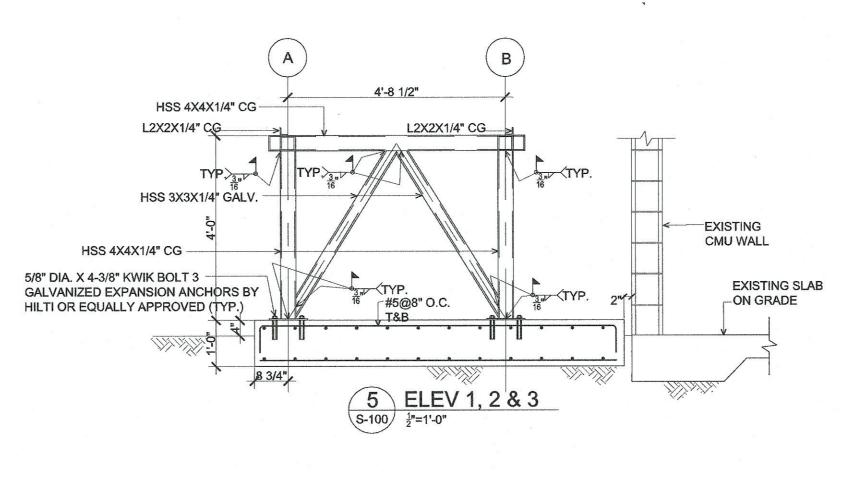
6. WHERE REINFORCING IS SHOWN CONTINUOUS, SPLICE BOTTOM BARS OVER SUPPORTS AND TOP BARS AT CENTER OF SPAN. ALL OTHER LAP SPLICES SHALL BE IN ACCORDANCE WITH SPLICE TABLES, DETAILS SHOWN ON DRAWINGS OR AS

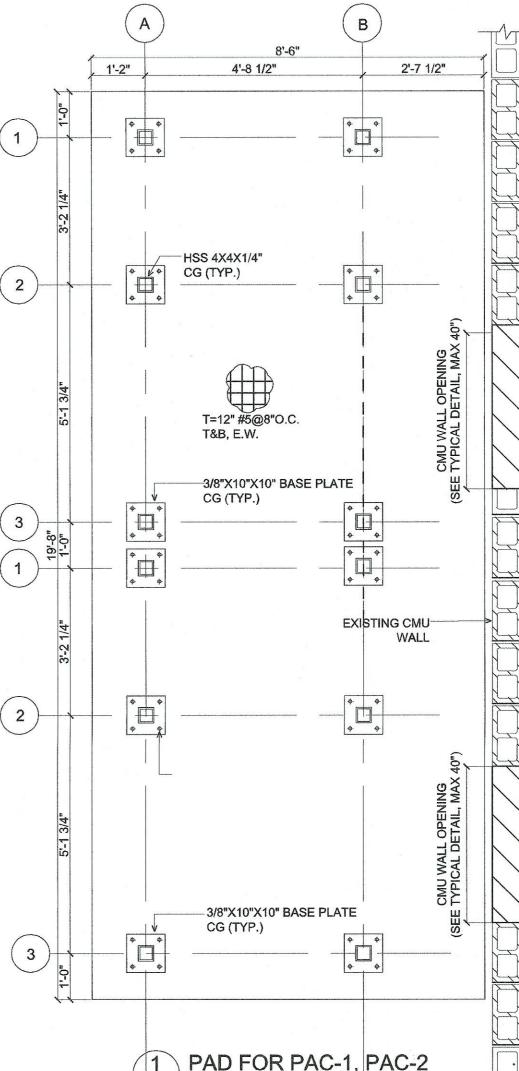
1. ALL WALL SECTIONS AND PIERS LESS THAN 4 SQUARE FEET IN CROSS-SECTIONAL AREA ARE TO BE FULLY GROUTED OR

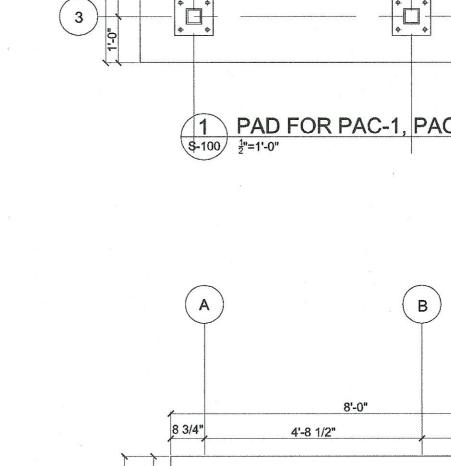
2. SUBMIT GROUT MIX DESIGN AND MASONRY CERTIFICATIONS TO STRUCTURAL ENGINEER FOR APPROVAL.

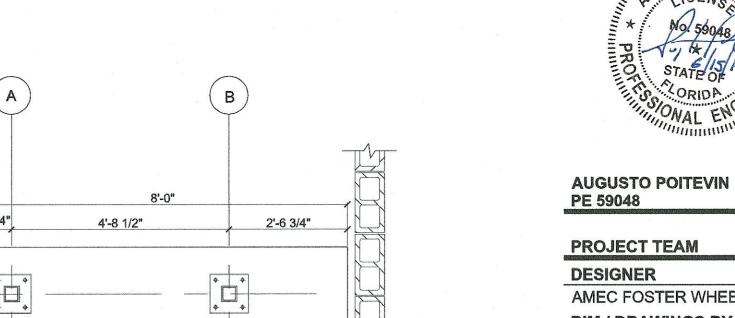
3. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SUPPORT FOR ALL MASONRY WORK UNTIL PERMANENT

3. A MINIMUM OF 5 CONCRETE SPECIMENS SHALL BE TAKEN FROM EACH 50 CUBIC YARDS OR PORTION THEREOF.









EXISTING

CMU WALL

DESIGNER AMEC FOSTER WHEELER / CR **BIM / DRAWINGS BY:** CR/AP **CHECKED BY:** CR/AP

5845 NW 158th Steet

P:+1(305) 826-5588

F:+1(305) 826-1799

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No. DESCRIPTION DATE

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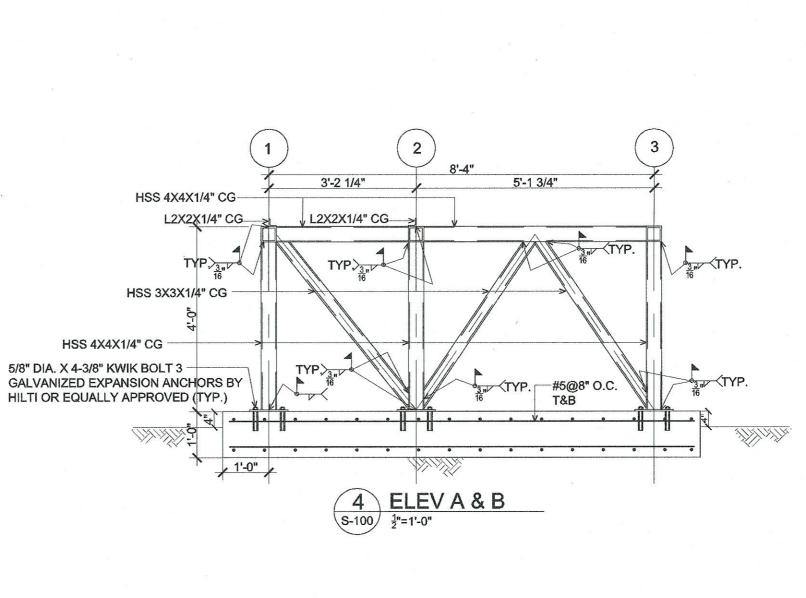
Miami Lakes, FL 33014 USA

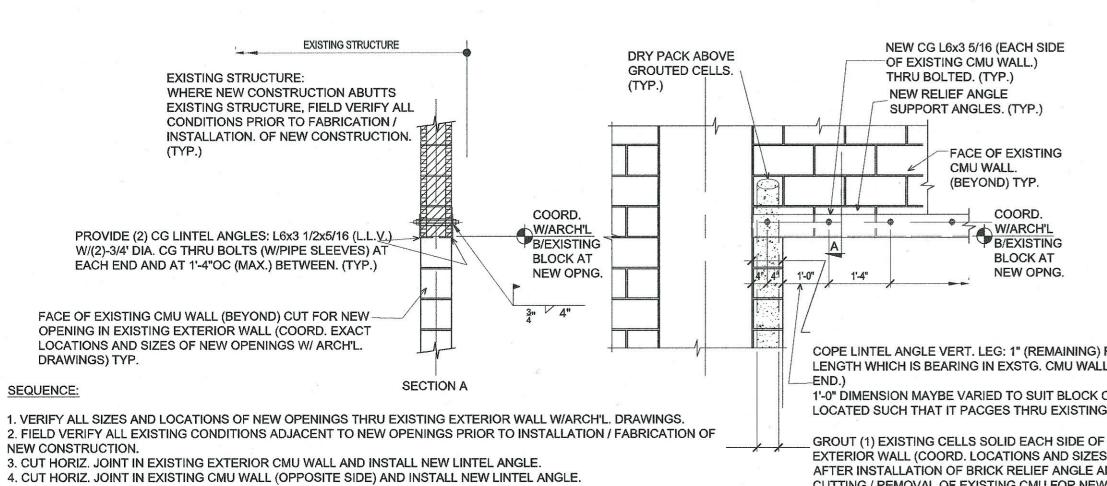
Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

100% CD 06-19-17

SHEET NUMBER

ISSUE DATE **FLOOR PLAN** SCALE: 1/4" = 1'-0"





#6 BARS AND LARGER: 2" #5 BARS AND SMALLER: 1½"

BEAMS, COLUMNS:

SPECIFIED ON THE NOTES.

OF 100% SOLID MASONRY UNITS.

4. PRISM STRENGTH OF MASONRY: f'M = 2000 PSI

6. MASONRY SHALL BE PLACED IN A RUNNING BOND PATTERN.

CONSTRUCTION IS IN PLACE.

F. MASONRY

ADJACENT NEW OPENING (EACH SIDE.)

City of Naples, FL

7. SAW-CUT AND REMOVE EXISTING CMU FOR NEW OPENING.

SLABS, WALLS, JOISTS: 3/4"

CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:

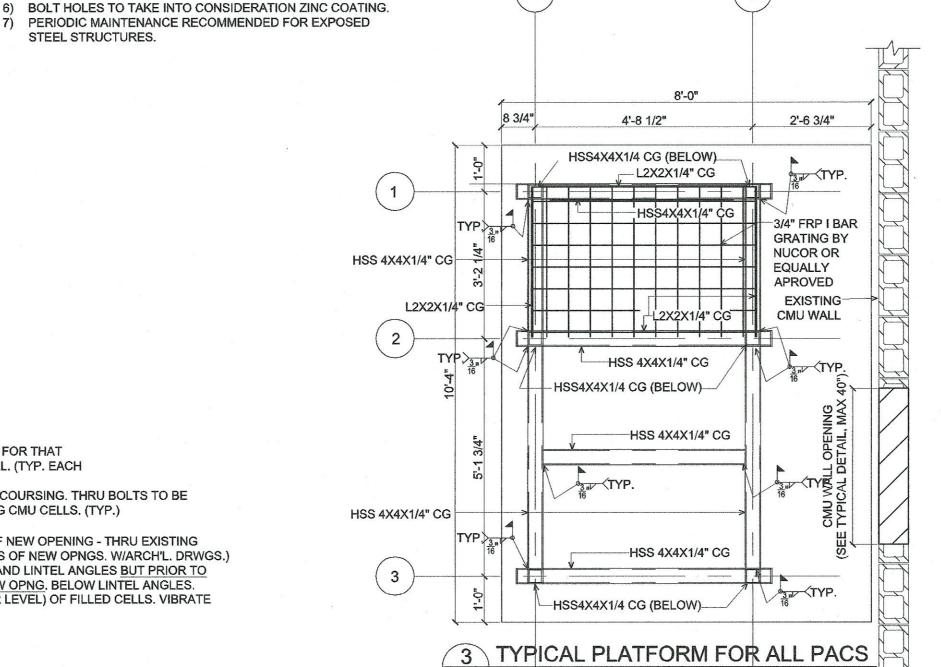
4. SECURE APPROVAL OF SHOP DRAWINGS PRIOR TO COMMENCING FABRICATION. 5. PROVIDE STANDARD HOOKS AT DISCONTINUOUS ENDS OF ALL TOP BARS.

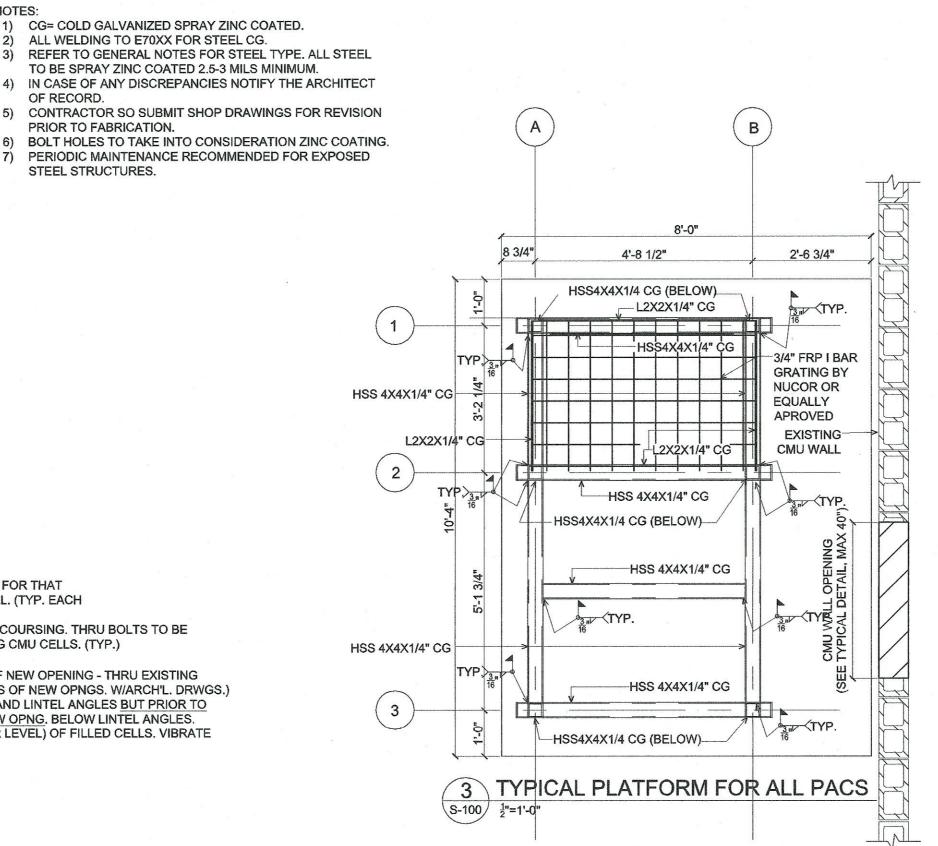
MIX BATCHES FOR EACH CONCRETE MIX DESIGN COMPLY WITH ACI 301.

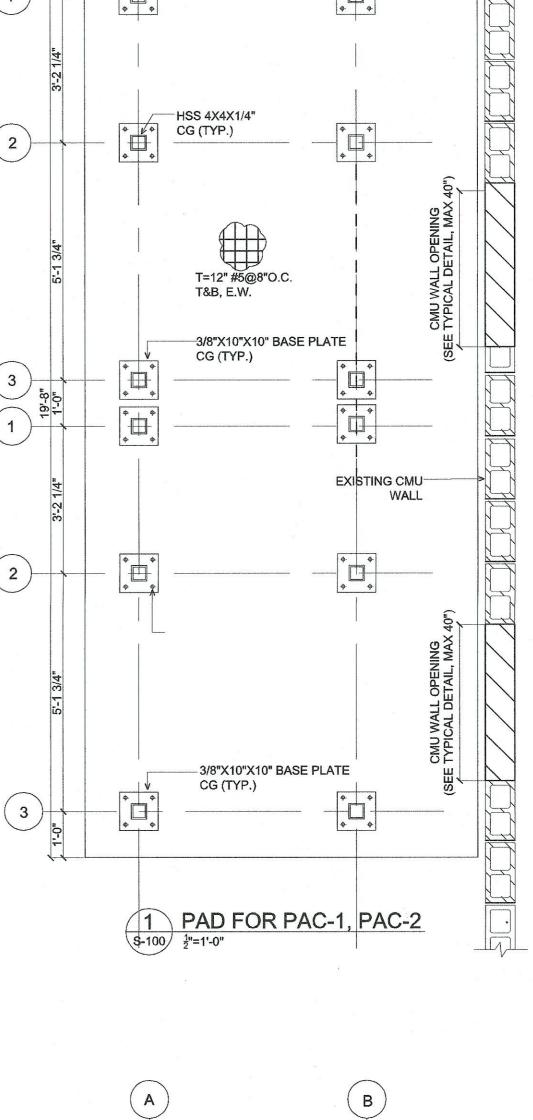
5. MAXIMUM HEIGHT OF GROUT POUR SHALL BE 4'-0" (LOW LIFT GROUTING)

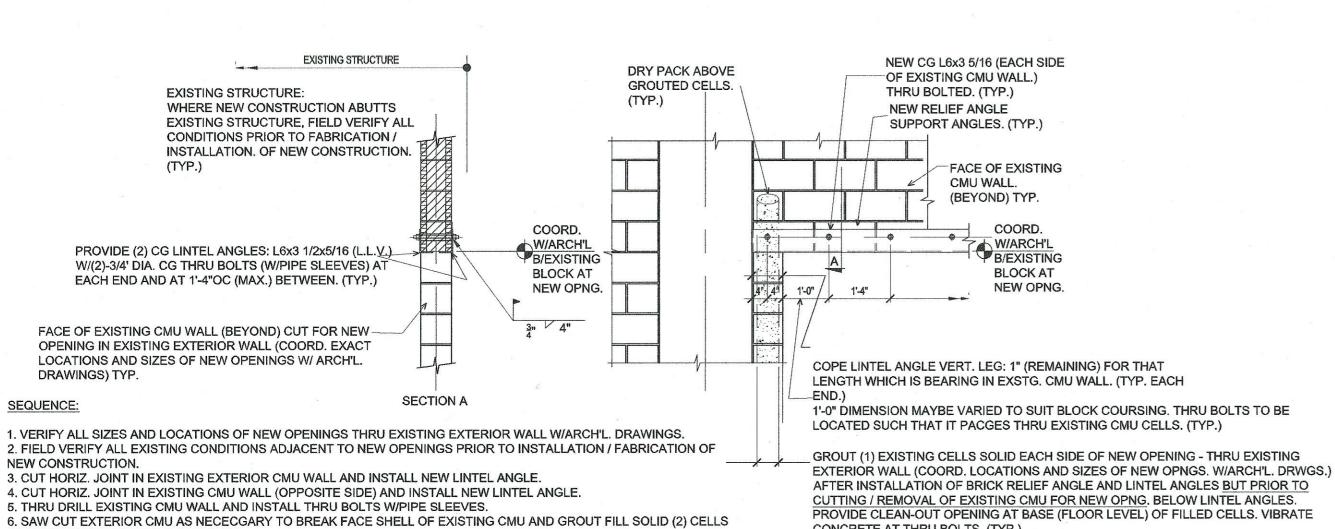
6 LINTEL FOR NEW OPENING AT EXISTING CMU WALL

CONCRETE AT THRU BOLTS. (TYP.)









1) CG= COLD GALVANIZED SPRAY ZINC COATED.

TO BE SPRAY ZINC COATED 2.5-3 MILS MINIMUM.

ALL WELDING TO E70XX FOR STEEL CG.

OF RECORD.

PRIOR TO FABRICATION.

STEEL STRUCTURES.

18-002 Fire Station #2 Improvements ITB

5/8" DIA. X 4-3/8" KWIK BOLT 3 GALVANIZED **EXPANSION ANCHORS** BY HILTI OR EQUALLY APPROVED (TYP.)

T=12" #5@8"O.C T&B, E.W. -HSS 4X4X1/4" CG (TYP.)

2 PAD FOR PAC-3

-3/8"X10"X10" BASE PLATE

CG (TYP.)

PROJECT NUMBER | STATUS |

GENERAL NOTES

- 1. PLANS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO INDICATE CAPACITY, SIZE, LOCATION, DIRECTION, AND GENERAL ARRANGEMENT, BUT NOT EXACT DETAILS OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL DUCT AND HVAC EQUIPMENT LOCATIONS.
- CONTRACTOR TO VERIFY THAT HVAC EQUIPMENT SHALL HAVE ADEQUATE CLEARANCE FROM OTHER EQUIPMENT AND BUILDING FEATURES FOR MAINTENANCE AND GENERAL ACCESS. MAINTAIN MANUFACTURERS RECOMMENDED SERVICE CLEARANCES.
- 3. IN GENERAL, ALL PIPING AND DUCTWORK SHALL BE RUN IN THE CEILING SPACE AND AS HIGH AS POSSIBLE, UNLESS OTHERWISE NOTED OR INDICATED ON THE PLANS.
- 4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED.
- 5. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
- 6. PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTWORK CONNECTING TO EACH AIR HANDLING UNIT AND OUTSIDE AIR UNIT.
- 7. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED OR DAMAGED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH THE EXISTING CONDITIONS.
- 8. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT THEIR OPERATING CONDITIONS. PRE-WORK SHALL BE PERFORMED TO MAKE THE SHUTDOWN PERIOD AS BRIEF AS POSSIBLE.
- 9. EQUIPMENT & DUCTWORK SHALL BE KEPT CLEAN FROM DIRT & DEBRIS.
- 10. VERIFY REFRIGERANT PIPE SIZES WITH AIR CONDITIONING EQUIPMENT MANUFACTURER.
- 11. PERFORM EQUIPMENT START-UP IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS OR IN CONJUNCTION WITH A FACTORY AUTHORIZED TECHNICIAN. ADJUST AUTOMATIC TEMPERATURE CONTROLS TO ACHIEVE SATISFACTORY TEMPERATURE AND/OR HUMIDITY CONTROL AS APPLICABLE.

CODE CONFORMANCE

MECHANICAL SYSTEM INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH ALL CURRENT REQUIREMENTS OF NATIONAL, STATE, AND MUNICIPAL CODES, RULES, REGULATIONS, ORDINANCES, AND LAWS AS THEY ARE ADOPTED BY THE AGENCY HAVING JURISDICTION AND AS THEY MAY APPLY.

- 1. FLORIDA BUILDING CODE 2014
- 2. INTERNATIONAL BUILDING CODE 2012
- 3. INTERNATIONAL PLUMBING CODE 2012
- 4. INTERNATIONAL MECHANICAL CODE 2012
- 5. FLORIDA FIRE PREVENTION CODE 2014

GUIDELINES & STANDARDS CONFORMANCE

MECHANICAL SYSTEM INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT INDUSTRY STANDARDS AND GUIDELINES AS THEY APPLY.

- 1. SMACNA 2005 HVAC DUCT CONSTRUCTION STANDARDS (METAL AND
- FLEXIBLE)
- 2. ASHRAE 90.1 2010 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
- 3. ASHRAE 62.1 2010 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY

SHEET INDEX

SHE	ET DESCRIPTION
M-000	HVAC SYMBOLS, GENERAL NOTES & SHEET INDEX
M-101	FIRST FLOOR HVAC PLAN - DEMOLITION WORK
M-201	FIRST FLOOR HVAC PLAN - REMODEL WORK
M-401	MECHANICAL DETAILS
M-402	MECHANICAL DETAILS
M-601	MECHANICAL SPECIFICATIONS

HVAC LEGEND SUPPLY AIR DIFFUSER RETURN OR EXHAUST REGISTER MANUAL BALANCING DAMPER BACKDRAFT DAMPER NEW DUCT (INSIDE DIMENSIONS: 10x8 WIDTH x DEPTH) EXISTING DUCT TO REMAIN EXISTING DUCT TO BE REMOVED **EQUIPMENT DEMOLITION** FLEXIBLE DUCT 90° ELBOW WITH TURNING VANES KEYED NOTES PROGRAMMABLE THERMOSTAT WITH NIGHT SETBACK CONDENSATE DRAIN REFRIGERANT LINE SET - DETAIL NUMBER $\langle \mathsf{M} - \mathsf{X} \mathsf{X} \mathsf{X} \rangle$ - DRAWING NUMBER WHERE DRAWN

SECTION LETTER

DRAWING NUMBER WHERE

ABE	ABBREVIATIONS					
A AFF AHU BTUH CFM CD CU DB DN DX EA EF EXH EXIST EQUIP	AMPERES ABOVE FINISHED FLOOR AIR HANDLING UNIT BRITISH THERMAL UNIT PER HOUR CUBIC FEET PER MINUTE CONDENSATE DRAIN CONDENSING UNIT DRY BULB DOWN DIRECT EXPANSION EXHAUST AIR EXHAUST FAN EXHAUST EXISTING EQUIPMENT FLEXIBLE CONNECTION FEET PER MINUTE FEET HORSEPOWER KILOWATT MAXIMUM MINIMUM OUTSIDE AIR OUSTIDE AIR SUPPLY AIR					

HVAC DESIGN CONDITIONS						
	SUMMER WINTER					
	DB(°F)	WB(°F)	DB(°F)			
OUTDOOR	92.8	77.1	45.2			
INDOOR	74.0	63.5	68.0			
DEHUMIDIFICATION	82.9	79.4	N/A			

	VENTILATION CALCULATIONS								
SYSTEM ID	AREA SERVED	AREA (SQ. FT.)	PEOPLE QUANTITY	OA PER SQ. FT.		OUTSIDE AIR REQUIRED	OUTSIDE AIR PROVIDED	EXHAUST AIR REQUIRED	EXHAUST AIR PROVIDED
PAC-1	EXERCISE ROOM, BUNK ROOMS, TOILETS & CORRIDOR	1882	3	0.06	20	173	315		
PAC-2	BUNK ROOMS, CORRIDOR & TOILETS	1574	4	0.06	5	114	147		
PAC-3	DAY ROOM, KITCHEN, OFFICER RADIO ROOM & TOILETS	1491	5	0.06	5	115	158		
KSF-1	KICTHEN HOOD (MAKEUP AIR)					650	650		
KEF-1	KICTHEN HOOD							800	800
EF-1	SHOWERS/TOILET (INTERIOR)							200	400
EF-2	TOILET (KITCHEN AREA)							100	100
	TOTAL	4947				1052	1270	1,100	1,300

VENTUATION ON OUR ATIONS

A

\M-XXX/

- CALCULATIONS BASED ON ASHRAE 62.1 2010 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY
- OUTDOOR AIR INTRODUCED BY 100% OUTDOOR AIR UNIT.
- 3. QUANTITY OF PEOPLE PROVIDED BY OWNER. MAXIMUM OF 12 PEOPLE.

	UNIT DESIGNATION	PAC-1	PAC-2	PAC-3
	AREA SERVED	EXERCISE ROOM, BUNK ROOMS, TOILETS & CORRIDOR	BUNK ROOMS, CORRIDOR & TOILETS	DAY ROOM, KITCHEN, OFFICER RADIO ROOM & TOILETS
	DESIGN MANUFACTURER	TRANE	TRANE	TRANE
	OPERATING WEIGHT LBS.	607	607	610
	MODEL NUMBER	4TCC3048A1000B	4TCC3048A1000B	4TCC3060A1000B
	OUTSIDE AIR - CFM (MIN.)	365	365	540
-AN	TOTAL AIR CFM (HIGH SPEED)	1,505	1,315	1,770
	FAN SPEEDS	3	3	3
NG	FAN TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
SOOLING	TOTAL CAPACITY BTU/HR	_	_	_
S	SENSIBLE CAPACITY BTU/HR	45,150	39,450	53,100
	FILTER	THROWAWAY	THROWAWAY	THROWAWAY
	HEATING KW	11.1 KW	9.3 KW	12.1 KW
	POWER	230/1/60	230/1/60	230/1/60
	MFS	50/2P	50/2P	60/2P
	MCA	32.7	32.7	41.9
	COMPRESSOR R.L.A.	21.8	21.8	26.3
	ELECTRICAL SERVICE AVAILABLE	208-230/1/60	208-230/1/60	208-230/1/60

- 1. PROVIDE FIXED OUTSIDE AIR AS INDICATED
- 2. PROVIDE WITH DISCONNECTS AT THE UNIT OR AT THE NEAREST WALL.
- 3. UNIT SHALL BE PROVIDED WITH HURRICANE STRAPS.
- 4. EQUIVALENT PRODUCT SHALL BE CONSIDERED BY SHOP DRAWING SUBMITTAL.

AIR DEVICE SCHEDULE

SYMBOL	DESCRIPTION									
A #	SUPPLY AIR DIFFUSER, TITUS TDC—AA. FLANGEI –AIR QUANTITY — TYP.		•		OPPOSED-	-BLADE	VOLUME	DAMPER,	EQUAL	ТО
$\left(\begin{array}{c} B \end{array} \right)$	EXHAUST AIR REGISTER, 350-FL. FLANGED DIFF			WITH	OPPOSED-	-BLADE \	OLUME [DAMPER,	EQUAL	TO TITU
$\langle C \rangle$	EXHAUST AIR GRILLE, S	AME AS REGISTER	R (ABOVE) WI	THOUT	DAMPER.	FLANGED	DIFFUSE	R WITH	DIRT GA	SKET.

RETURN AIR GRILLE, ALL ALUMINUM, BLADE-TYPE, EQUAL TO TITUS 350-FL. FLANGED DIFFUSER WITH DIRT GASKET. SIZE AS INDICATED

RETURN AIR GRILLE, STEEL WITH 1/2" BLADE SPACING, MOUNTING, WITH 2" FILTER. EQUAL TO TITUS 355FSF2. RETURN AIR GRILLE, STEEL WITH 1/2" BLADE SPACING, HINGED AT BOTTOM, FLANGED FOR SURFACE

PROVIDE APPLICABLE FRAMES FOR AIR DEVICES IN LAY—IN OR HARD CEILINGS AS REQUIRED. FINISH TO BE OFF—WHITE. COORDINATE	CFM	RANG	SE	CONNECTIO	ON SIZE, MIN.
LOCATIONS FOR DEVICES WITH LIGHT FIXTURES AND ARCHITECT'S	0	_	120	6"ø	6"x6"
REFLECTED CEILING PLAN. CONNECTION SIZES ARE TO BE PER	121	_	250	8"ø	8"x8"
SCHEDULE AT RIGHT (SUPPLY OR RETURN AIR). PROVIDE DROP FRAMES	251	_	325	10"ø	10"x10"
FOR DUCT MOUNTED DEVICES.	362	_	425	12 " ø	12"x12"
NOTE: ALL GRILLES, REGISTERS AND DIFFUSERS ARE NEW EXCEPT	426	_	550	14"ø	12"x12"
THOSE LOCATED IN AREAS CALLED OUT AS NIC (NOT IN CONTRACT).				1	1



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PE-57783

ENGINEER OF RECORD

PROJECT TEAM **DESIGNER**

GJ/GP **BIM / DRAWINGS BY:**

CHECKED BY:

Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

PROJECT NUMBER | STATUS | ISSUE DATE

100% CD | 06/19/17

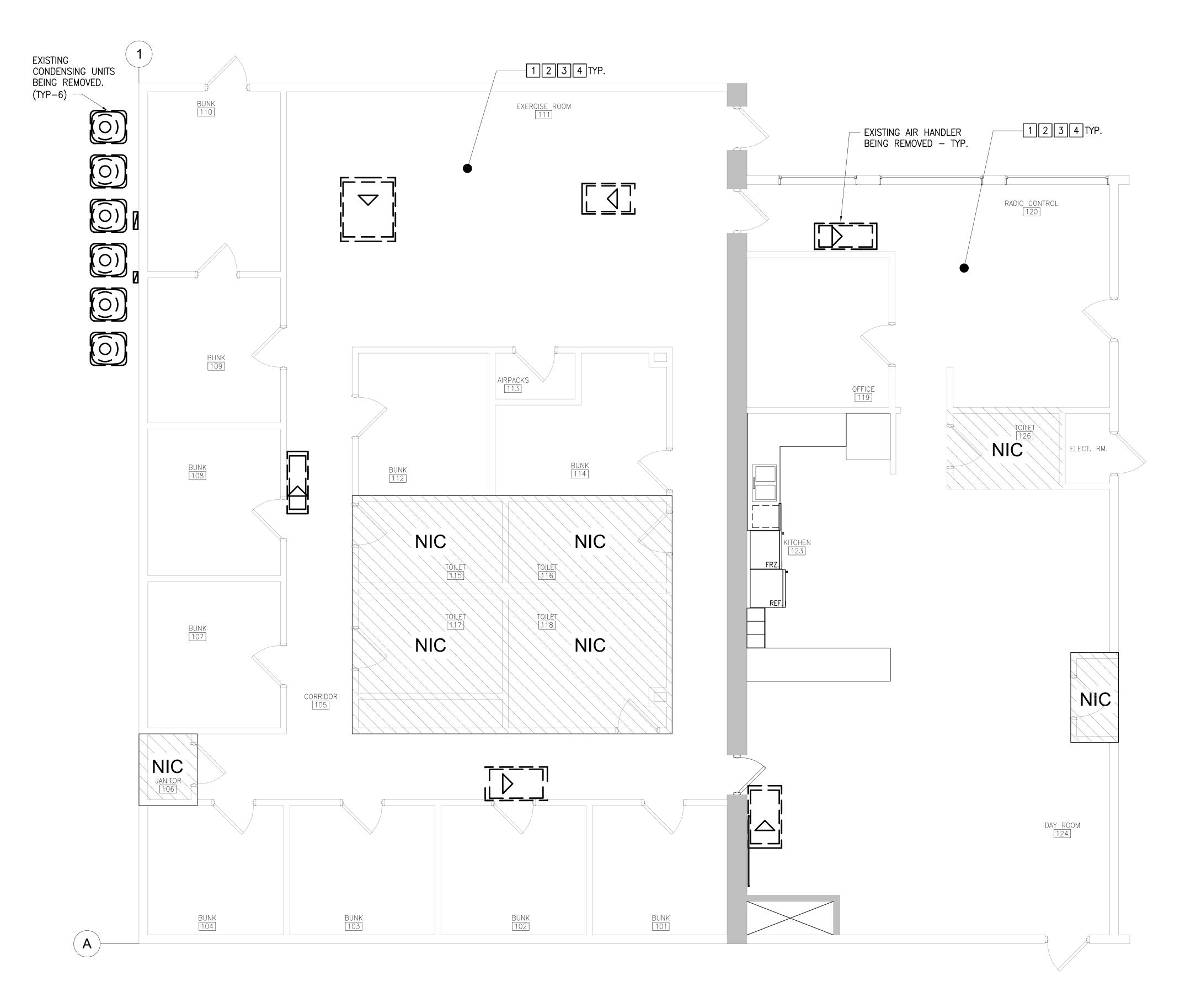
HVAC SYMBOLS, **GENERAL NOTES &** SHEET INDEX

SCALE: -

M-000

SHEET NUMBER

City of Naples, FL 18-002 Fire Station #2 Improvements ITB



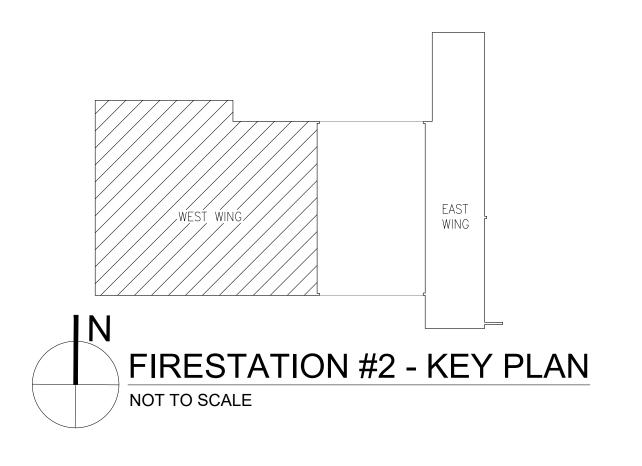


GENERAL DEMOLITION NOTE

REFER TO ARCHITECTURAL DRAWINGS FOR SCOPE OF WORK PHASING; THE FIRE STATION IS A 24/7 OPERATING FACILITY AND SHALL REMAIN IN OPERATION DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO WORKING IN NEW AREAS WHICH REQUIRE COORDINATION WITH EXISTING FACILITY FUNCTION.

DEMOLITION NOTES:

- 1 ALL EXISTING CEILING MOUNTED HVAC GRILLES AND DIFFUSERS ARE TO BE REMOVED. EXISTING SPRINKLERS ARE TO REMAIN AND ARE NOT IN THE SCOPE OF WORK.
- 2 ALL EXISTING HVAC UNITS AND RELATED DUCTWORK ARE TO BE REMOVED.
- REMOVE ALL CONDENSATE PIPING. CAP PIPING AT WALLS
- 4 REMOVE ALL EXISTING THERMOSTATS AND WIRING.





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GREGORY A. JOHNSON PE-57783 ENGINEER OF RECORD

PROJECT TEAM

DESIGNERGJ/GP

BIM / DRAWINGS BY:

CHECKED BY:

Naples Fire
Station #2
Int. Renovation
(Ceilings / HVAC)
6788-17-2974
100% CD | 06/19/17

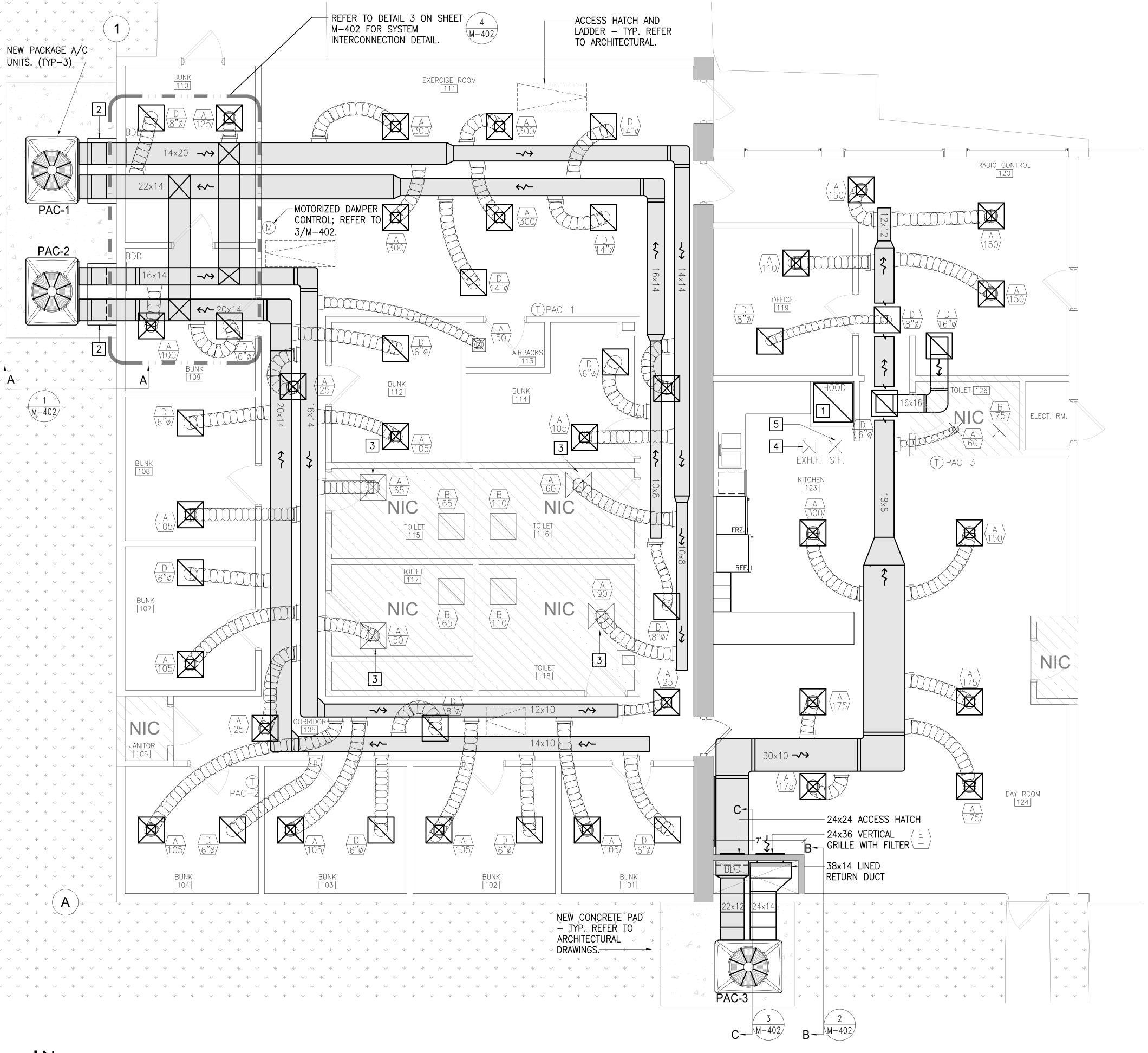
PROJECT NUMBER | STATUS | ISSUE DATE

FIRST FLOOR HVAC PLAN - DEMOLITION WORK

SCALE: AS SHOWN

M-101
SHEET NUMBER

City of Naples, FL







REMODEL NOTES:

- 1 KITCHEN HOOD, KITCHEN EXHAUST FAN AND KITCHEN SUPPLY FAN ARE EXISTING TO REMAIN. SEE NOTES 4 & 5 THIS SHEET AND DETAIL 4/M-402.
- PROVIDE STAINLESS STEEL, GASKETED ENCLOSURE AROUND SA, RA DUCT RISERS PAC-1 & PAC-2.
- 3 EXISTING DIFFUSER CONNECTED TO NEW DUCT. COORDINATE WITH AND ADAPT TO EXISTING DIFFUSER FOR CONNECTION.
- 4 EXISTING KITCHEN EXHAUST FAN TO REMAIN.
- 5 EXISTING KITCHEN SUPPLY FAN TO REMAIN.



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ENGINEER OF RECORD

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DESIGNER

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Station #2
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(Ceilings / HVAC)
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100% CD | 06/19/17

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FIRST FLOOR HVAC PLAN - REMODEL WORK

SCALE: AS SHOWN

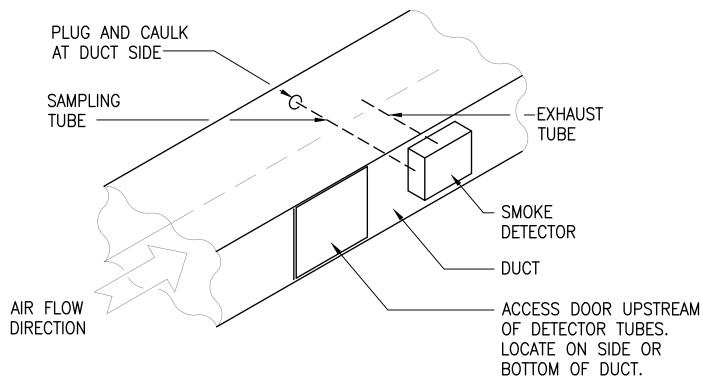
M-201
SHEET NUMBER

WEST WING
WEST WING

FIRESTATION #2 - KEY PLAN
NOT TO SCALE

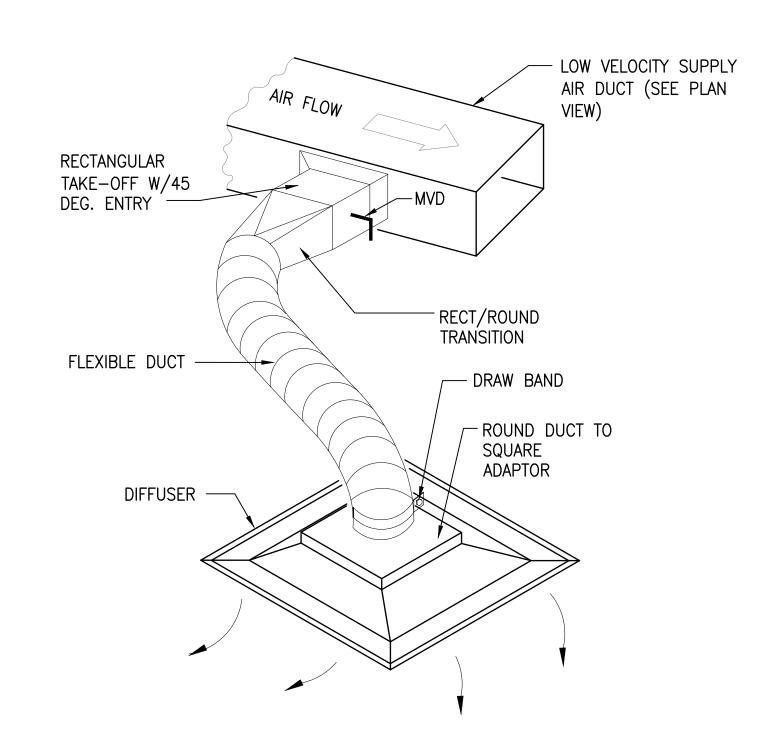
1. SAMPLING TUBE SHALL EXTEND ACROSS THE FULL WIDTH OF THE DUCT. 2. LOCATE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.

3. COMPLY WITH DISTANCE REQUIREMENTS FROM DUCT FITTINGS.



DUCT MOUNTED SMOKE DETECTOR

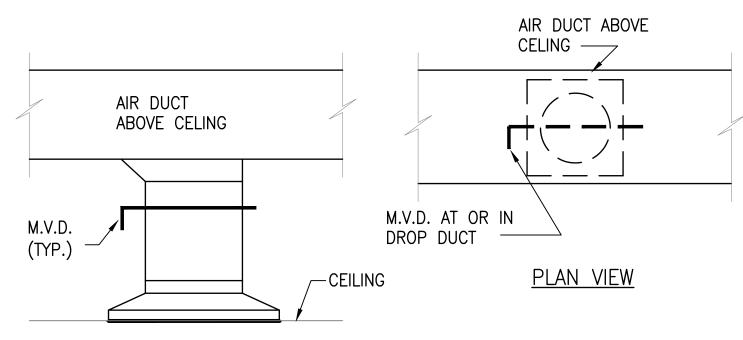
M - 401NOT TO SCALE



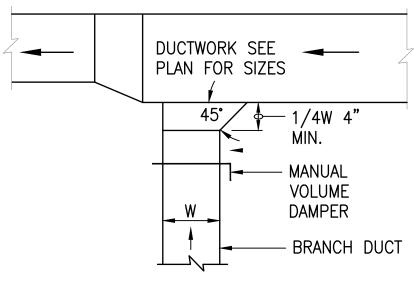
FLEXIBLE DUCT CONNECTION DETAIL

NOT TO SCALE

(SIMILAR FOR TRUNK DUCT BOTTOM CONNECTION WHEN CEILING SPACE ALLOWS)



TYPICAL SUPPLY / EXHAUST AND/OR RETURN TAKE - OFF NOT TO SCALE

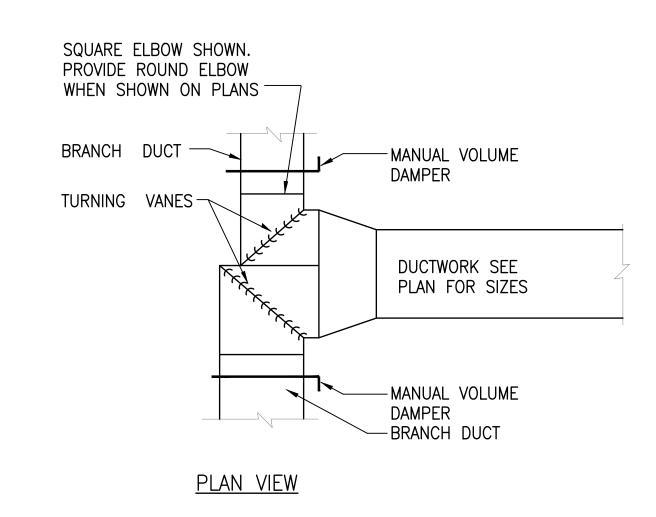


NOTE: TYPICAL LOCATION OF MANUAL VOLUME DAMPER FOR ALL LOCATION

NOTE: TYPICAL FOR ALL CONSTANT VOLUME SYSTEMS DUCTWORK THROUGHOUT; AND FOR DUCTWORK DOWNSTREAM OF VAV BOXES IN VARIABLE VOLUME SYSTEMS

PLAN VIEW

TYPICAL SUPPLY/EXHAUST AND/OR RETURN BRANCH DUCT

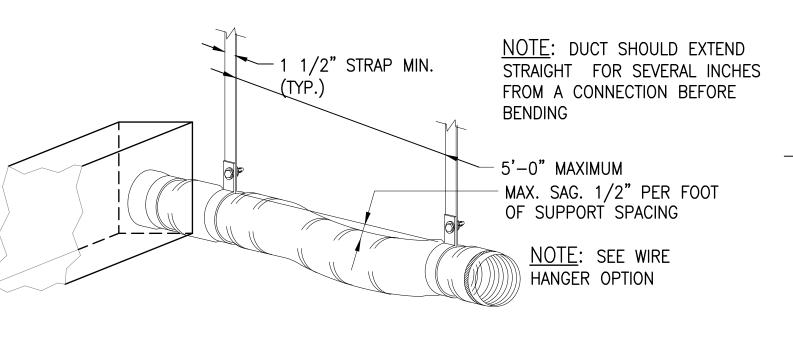


NOTE: TYPICAL LOCATION OF MANUAL VOLUME DAMPER FOR ALL LOCATIONS

NOTE: TYPICAL FOR ALL CONSTANT VOLUME SYSTEMS DUCTWORK THROUGHOUT; AND FOR DUCTWORK DOWNSTREAM OF VAV BOXES IN VARIABLE VOLUME SYSTEMS

TYPICAL SUPPLY/EXHAUST AND/OR RETURN SPLIT TYPE DUCT TAKE-OFF

NOT TO SCALE



FLEXIBLE DUCT SUPPORT NOT TO SCALE

JOIST SPACE ACOUSTIC RATED LAY-IN RETURN AIR

RETURN AIR GRILLE DETAIL - TYP.

M-401 NOT TO SCALE

──WIRE (TYP.)

→ WIRE (TYP.)

→ 1 1/2" STRAP MIN.

-WIRE (TYP.)

NOTES: SUPPORT SYSTEM MUST NOT DAMAGE

MAXIMUM INTERVALS MAY BE SPECIFIED AS A

CONDITION OF U.L. LISTING, SMACNA HVAC

DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE - SECOND EDITION, PARTICULARLY IN

FIRE RATED FLOOR - CEILING ASSEMBLIES.

NOTE: SUPPORT SYSTEM MUST NOT

DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE

DUCT OR CAUSE OUT OF ROUND SHAPE. CLOSER

OR GYP. CEILING -GRILLE -

> 300 CROWN OAK CENTRE DRIVE, LONGWOOD, FL 32750 TEL: 407.260.0231 FAX: 407.260.0749

amec

foster

wheeler

5845 NW 158th Steet

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ARCHITECT OF RECORD

DESCRIPTION

FOR PERMIT

DATE

06/19/17

REVISION SCHEDULE

www.amec.com

Miami Lakes, FL 33014 USA

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3rd Party Certificate issued by Entrust as Class 3 Client CA - SHA256 **GREGORY A. JOHNSON**

PE-57783 **ENGINEER OF RECORD**

PROJECT TEAM

DESIGNER GJ/GP

BIM / DRAWINGS BY:

CHECKED BY:

Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

100% CD | 06/19/17

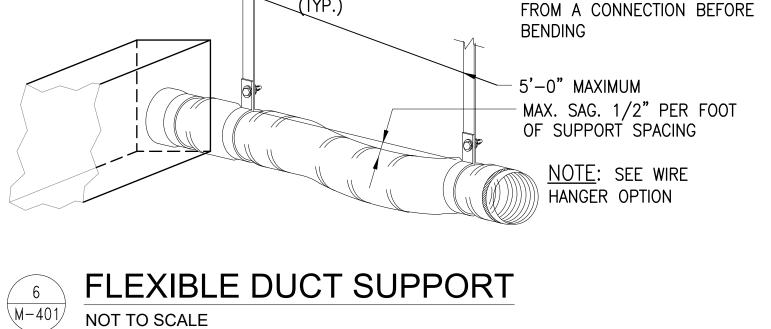
PROJECT NUMBER | STATUS | ISSUE DATE

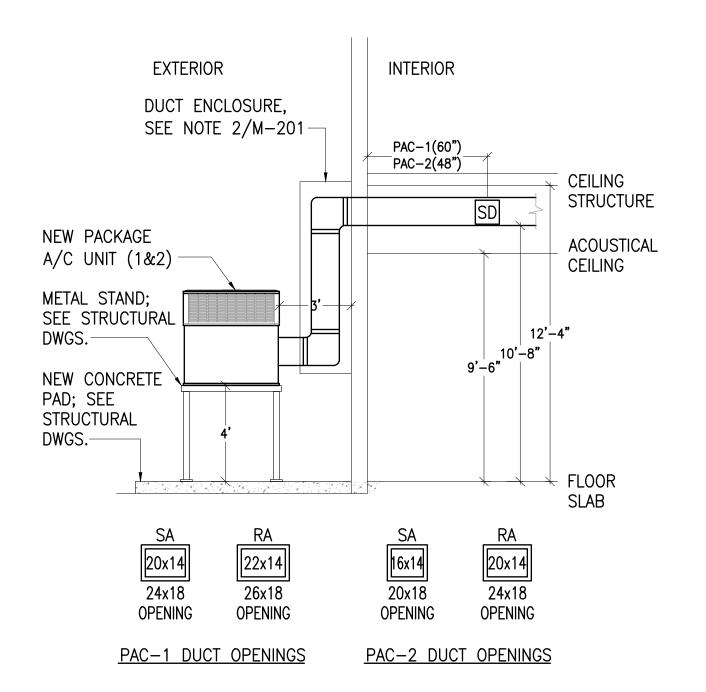
MECHANICAL DETAILS

SCALE: -

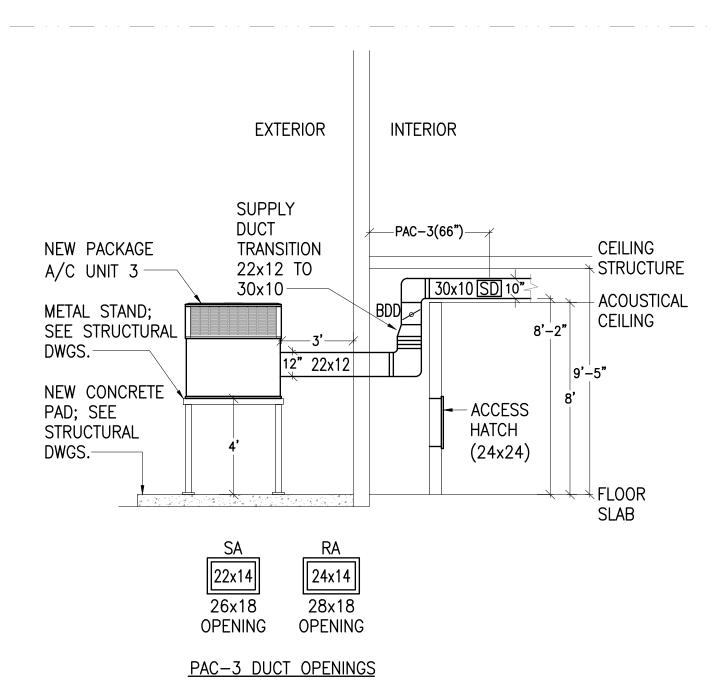
M-401

SHEET NUMBER

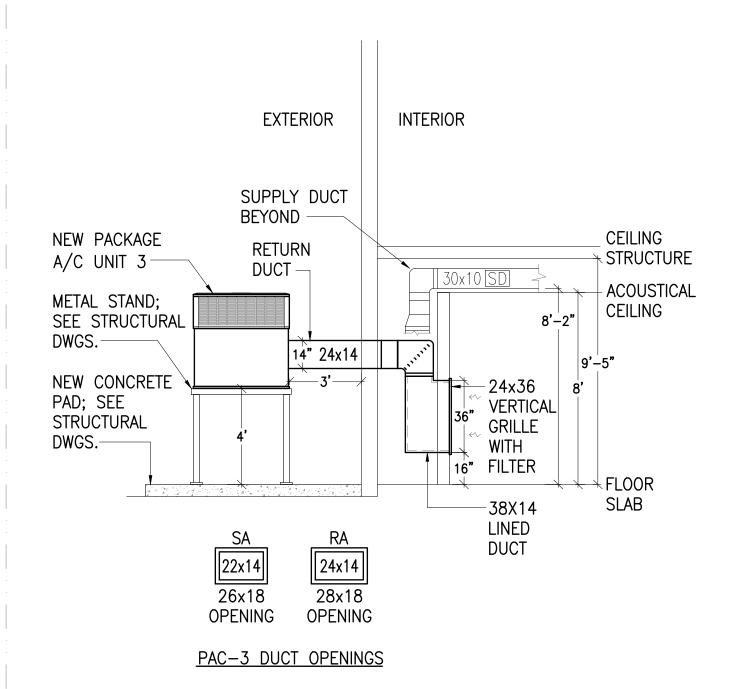




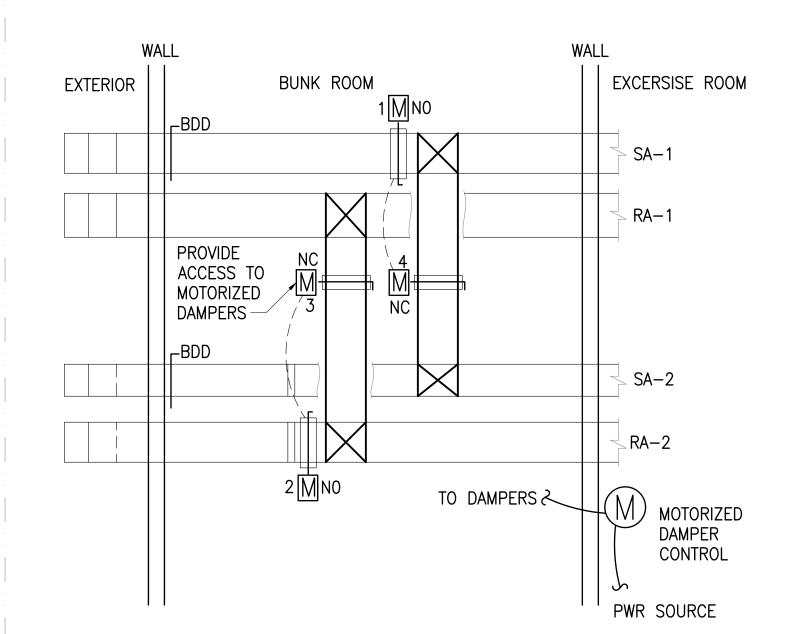
SECTION A-A (PAC-1 & PAC-2) NOT TO SCALE



 $\frac{3}{M-402} \frac{\text{SECTION C-C (PAC-3)}}{\text{NOT TO SCALE}}$



SECTION B-B (PAC-3)
NOT TO SCALE



PAC-1 & PAC-2 SYSTEMS INTERCONNECTION AS FOLLOWS:

- 1-PROVIDE 14"x20" SA DUCT OUT OF TOP OF SYSTEM 1 SA TO RUN UP AND OVER TO CONNECT INTO TOP OF SYSTEM 2 SA DUCT.
- 2-INTERCONNECT RA DUCT IN SAME MANNER AS SA USING 14"x22" DUCT.
- 3-PROVIDE A 0-100%, 120V MOTORIZED DAMPER IN BOTH SA AND RA INTERCONNECTING DUCTS.
- 4-PROVIDE WALL MOUNTED VARIABLE INTERLOCK CONTROL MARKED "0%" AND "100%" TO CONTROL MOTORIZED DAMPERS IN SA AND RA DUCTS SIMULTANEOUSLY. POWER FROM NEAREST 120V/20A WALL RECEPTACLE CIRCUIT.
- 5-PROVIDE GRAVITY BACK-DRAFT DAMPER IN INTERCONNECTING DUCTS.

SEQUENCE OF OPERATION:

MOTORIZED DAMPER CONTROL SHALL BE A 3 POSITION SWITCH AS FOLLOWS:

IN PAC-1 POSITION:

THE DAMPER IN PAC-1 SA DUCT OPENS AND THE TWO DAMPERS IN INTERCONNECTING DUCT OPEN. PAC-2 SA DUCT DAMPER IS CLOSED.

IN PAC-2 POSITION:

THE DAMPER IN PAC-2 SA DUCT OPENS AND THE TWO DAMPERS IN INTERCONNECTING DUCT OPEN. PAC-1 SA DUCT DAMPER IS CLOSED.

IN OFF POSITION: PAC-1 SA IS OPEN. PAC-2 SA IS OPEN.

INTERCONNECTING DUCT DAMPERS ARE CLOSED.

PAC-1 & PAC-2 INTERCONNECTION SYSTEM NOT TO SCALE



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DESIGNER

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BIM / DRAWINGS BY:

CHECKED BY:

Naples Fire
Station #2
Int. Renovation
(Ceilings / HVAC)
6788-17-2974

PROJECT NUMBER | STATUS | ISSUE DATE

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MECHANICAL DETAILS

SCALE: -

M-402

SHEET NUMBER

City of Naples, FL

MECHANICAL SPECIFICATIONS

- 1. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED STATE AND LOCAL CODES, AS WELL AS FEDERAL, STATE, AND MUNICIPAL REGULATIONS.
- 2. DRAWINGS ARE DIAGRAMMATIC, CONTAINING INFORMATION TO A DEGREE OF DETAIL CONSISTENT WITH THEIR SCALE AND ADEQUATE TO CONVEY THE DESIGN INTENT.
- 3. DIMENSIONS, WHERE SHOWN, ARE FOR REFERENCE. EQUIPMENT AND MATERIAL SHOWN ON DRAWINGS, ARE BASED ON MANUFACTURER'S PUBLISHED DATA, AND ARE, IN THE DESIGNER'S PROFESSIONAL OPINION, REPRESENTATIVE OF TYPICAL SIZES. ALL EQUIPMENT AND MATERIAL PROVIDED SHALL FIT WITHIN THE SPACE PROVIDED.
- 4. ALL EQUIPMENT AND SERVICEABLE DEVICES SHALL BE INSTALLED WITH ACCESS AND CLEARANCE FOR MAINTENANCE. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES TO PROVIDE THIS ACCESS AND CLEARANCE.
- 5. IF EQUIPMENT AND MATERIAL, OTHER THAN THAT SCHEDULED OR SPECIFIED, IS APPROVED AND PROVIDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND PROVIDE REVISED UTILITIES AND SERVICE CONNECTIONS. THIS INCLUDES BUT IS NOT LIMITED TO REVISED POWER, CONTROLS, HYDRONICS, WASTE DRAINS, FLUES, AND VENT REQUIREMENTS.
- 6. PROVIDE AND DOCUMENT CORRESPONDENCE TO THE GENERAL CONTRACTOR AND ALL TRADES, REQUIREMENTS FOR INSTALLATION, CHASES, OPENINGS, AND UTILITY SERVICE CONNECTIONS. THIS INCLUDES SUPPORTING DEVICES, POINT LOADS, ACCESS OPENINGS, SLEEVES AND CUT-OUTS.
- 7. PROVIDE STARTERS FOR ELECTRICAL EQUIPMENT UNLESS SPECIFICALLY IDENTIFIED ON MECH DWGS AS BEING PROVIDED BY THE ELECTRICAL CONTRACTOR. PROVIDE ALL INTERNAL OVER CURRENT PROTECTION DEVICES AND INTERNAL TRANSFORMERS FOR PACKAGED EQUIPMENT.
- 8. PROVIDE APPROVED SLEEVES AND SEALS AT ALL WALL, CEILING, ROOF, AND FLOOR PENETRATIONS.
- 9. ACCESS DOORS AND/OR PANELS SHALL BE PROVIDED AT ALL MAINTENANCE AND SERVICE LOCATIONS. UNLESS A SIZE IS SPECIFICALLY NOTED, PANELS SHALL BE SIZED TO SERVICE EQUIPMENT. DOORS AND PANELS SHALL HAVE THE SAME FIRE RATING AS THE WALL IN WHICH THEY ARE INSTALLED. COORDINATE ACCESS PANEL SIZE AND LOCATION WITH THE G.C.
- 10. RECTANGULAR DUCT SHALL BE GALVANIZED SHEET STEEL PER SMACNA "HVAC DUCT CONSTRUCTION STANDARDS METAL". FLEXIBLE METAL DUCT SHALL BE METAL WITH LINER AND INSULATED PER FBC. SUPPORT HORIZONTAL DUCTWORK WITH 1" WIDE STRAP HANGERS EVERY 6'—0" AND WITHIN 24 INCHES OF EACH ELBOW AND WITHIN 48 INCHES OF EACH BRANCH INTERSECTION. INSTALL DUCTS PARALLEL TO BUILDING LINES.
- 11. ALL EQUIPMENT, UTILITY AND SERVICE LINES SHALL BE IDENTIFIED WITH A SUITABLE MARKER, TAG, OR SIGN.
- 12. INSULATION AND VAPOR BARRIER SHALL BE PROVIDED ON ALL DUCT SYSTEMS AND EQUIPMENT SUBJECT TO HEAT LOSS, HEAT GAIN, CONDENSATION, OR CONSTITUTING A POTENTIAL BURN HAZARD.
- 13. INSULATION SHALL BE FIRMLY SECURED TO THE DUCT WITH ENDS SEALED TO MAINTAIN THE INTEGRITY OF THE VAPOR BARRIER. INSULATION SHALL NOT BE CRUSHED OR COMPRESSED AT HANGERS OR THROUGH INTERFERENCE WITH EQUIPMENT INSTALLED BY OTHER TRADES. ALL EXTERIOR DUCTS SHALL BE INSULATED AND MADE WATERTIGHT.

- 14. INSTALL DUCTWORK AS TIGHT AS POSSIBLE TO THE BUILDING STRUCTURE.
- 15. DUCTWORK SIZES ARE AIR-STREAM DIMENSIONS.
- 16. EXCEPT AS SHOWN OTHERWISE, ALL DUCTWORK, FITTINGS, SUPPORT, AND ACCESSORIES SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA AND NFPA STANDARDS.
- 17. ALL DUCT SYSTEMS SHALL BE TESTED, BALANCED, AND ADJUSTED BY THE MECHANICAL CONTRACTOR.
 - A. TEST AND BALANCE SHALL BE PROVIDED BY THIS CONTRACTOR THROUGH A CONTRACT WITH AN INDEPENDANT TEST AND BALANCE CONTRACTOR. FINAL PAYMENT OF HVAC CONTRACT AMOUNT SHALL BE WITHHELD UNTIL THE TEST AND BALANCE IS COMPLETE.
 - BALANCING FOR AIR AND WATER SHALL BE BY ACTUAL FLOW MEASUREMENTS. METHOD OF BALANCING BY TEMPERATURE DIFFERENCE IS NOT ACCEPTABLE.
- B. THIS CONTRACTOR SHALL PREPARE SYSTEM FOR BALANCING AS FOLLOWS:
 - 1. MECHANICALLY CHECK FANS, BLOWERS, CONDENSING UNIT AND AIR HANDLING EQUIPMENT AND MAKE OPERABLE AS PER DESIGN CONDITIONS. SET RUNNING AMPS BELOW F.L.A.
 - 2. SET SPLITTERS, VOLUME DAMPERS, FIRE DAMPERS AND VANES IN THEIR NEUTRAL POSITIONS.
 - 3. INSTALL GRILLES, DIFFUSERS, ETC. WITH VOLUME CONTROL DAMPER BLADES IN THEIR NEUTRAL POSITIONS.
 - 4. MECHANICALLY CHECK CONTROLS AND MAKE OPERABLE AS PER DESIGN CONDITIONS.
- 18. ALL DUCTWORK SHALL BE SEALED WITH MASTIC COATING AND EXTERNALLY INSULATED EXCEPT EXHAUST DUCT.
- 19. ALL SQUARE ELBOWS SHALL HAVE TURNING VANES.
- 20. DUCT CONNECTION TO EQUIPMENT SHALL BE FABRICATED AFTER EQUIPMENT HAS BEEN SET IN PLACE AND DIMENSIONS VERIFIED.
- 21. MATCH DIFFUSER PROVIDED TO CEILING TYPE AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN. ALL DIFFUSERS SHALL BE SIMILAR TO TITUS OR EQUIVALENT. COLOR OF ALL DIFFUSERS, GRILLES, AND THERMOSTATS SHALL BE DETERMINED BY THE ARCHITECT.
- 22. IT WILL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO ROUTE ALL DUCTWORK, PIPING, AND LOCATE THE EQUIPMENT SHOWN ON THE DRAWINGS. ALL INTERFERENCES DUE TO ROUTING OF THE DUCTWORK, PIPING, OR EQUIPMENT WILL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. VERIFY ALL DIMENSIONS PRIOR TO FABRICATION, ERECTION OR CONSTRUCTION OF DUCTWORK. DRAWINGS MAY NOT REFLECT ACTUAL FIELD INSTALLATION.
- 23. COORDINATE DIFFUSER LOCATION WITH CEILING TILE AND LIGHTING LAYOUT AS SHOWN ON DRAWINGS. ALL LOCATIONS SHALL BE PER THE ARCHITECTURAL REFLECTED CEILING PLANS.

24. THE INSIDE OF ALL DUCTWORK VISIBLE THROUGH A GRILL OR DIFFUSER SHALL BE PAINTED FLAT BLACK.

25. WARRANTY:

A. FURNISH (1) YEAR SERVICE AND GUARANTEE ON ALL CONTROLS, DUCTWORK, EQUIPMENT AND MATERIALS AND A FIVE (5) YEARS EXTENDED WARRANTY FOR PAC-1, 2 & 3 UNITS

26. AS BUILT DRAWINGS:

A. FURNISH THE OWNER THREE (3) SETS OF AS-BUILT DRAWINGS UPON COMPLETION OF THE WORK.

27. MECHANICAL SUBMITTALS:

A. SUBMITTALS: SUBMIT (4 SETS) OF SHOP DRAWINGS AND OTHER INFORMATION NECESSARY FOR THE ARCHITECT TO MAKE COMPLETE EVALUATION OF THE MATERIALS, ACCESSORIES, AND METHODS PROPOSED FOR THE WORK.

28. RECORD DRAWINGS:

THE CONTRACTOR SHALL MAINTAIN AT THE SITE A CLEAN UNDAMAGED SET OF BLUE— OR BLACK—LINE WHITE PRINTS OF THE CONTRACT DRAWINGS. THIS RECORD SET OF DRAWINGS SHALL BE MARKED TO SHOW THE ACTUAL INSTALLATION, AND WHERE THE ACTUAL INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. MARK WHICHEVER DRAWINGS ARE MOST CAPABLE OF SHOWING CONDITIONS FULLY AND ACCURATELY. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. MARK RECORD DRAWINGS WITH RED ERASABLE PENCIL; USE OTHER COLORS TO DISTINGUISH BETWEEN VARIATIONS IN SEPARATE CATEGORIES OF THE WORK.

29. CLOSEOUT SUBMITTALS:

- A. CLOSEOUT DOCUMENTS SHALL INCLUDE, CERTIFICATE OF OCCUPANCY, ALL WARRANTIES, USERS MANUAL, WRITTEN MAINTENANCE INSTRUCTIONS FOR ALL MATERIAL AND EQUIPMENT, AND RECORD DOCUMENTS ('AS-BUILT'), SUBMITTALS AND CHANGE ORDERS.
- B. CONTRACTOR SHALL SUBMIT 2 SETS OF BOUND AND ONE ELECTRONIC COPY OF O&M MANUALS FOR THE FOLLOWING ITEMS:

EXHAUST FANS
PIPING, VALVES, SPECIALTIES
CONTROL EQUIPMENT & SYSTEMS

30. CLEANING:

A. AFTER COMPLETING SYSTEM INSTALLATION, INCLUDING OUTLET FITTINGS AND DEVICES, INSPECT THE COMPLETE SYSTEM AND VACUUM ALL DUCTS TO REMOVE DUST AND DEBRIS. BEFORE FINAL ACCEPTANCE.



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PE-57783
ENGINEER OF RECORD

PROJECT TEAM

GJ/GP

BIM / DRAWINGS BY:

CHECKED BY:

Naples Fire

Station #2
Int. Renovation
(Ceilings / HVAC)
6788-17-2974

100% CD | 06/19/17
PROJECT NUMBER | STATUS |

MECHANICAL

ISSUE DATE

SPECIFICATIONS

SCALE: -

M-601

SHEET NUMBER

City of Naples, FL 18-002 Fire Station #2 Improvements ITB

SYMBOL	LEGEND-POWER	NOT ALL SYMBOLS ARE USED IN THIS CONTRACT.	
SYMBOL	DESCRIPTION		
	SURFACE MOUNTED DISTRIBUTION F	ANEL	
	FLUSH MOUNTED DISTRIBUTION PAN	EL	
J	JUNCTION BOX PER N.E.C.		
	WIRING AND RACEWAY CONCEALED CEILING	IN WALLS AND/OR ABOVE	
	WIRING AND RACEWAY CONCEALED UNDERGROUND	IN/OR UNDER FLOOR OR	
	WIRING AND RACEWAY EXPOSED ON	CEILING AND/OR WALLS	
	INDICATES CONDUIT TURNED DOWN	TO FLOOR BELOW	
	INDICATES CONDUIT TURNED UP TO	FLOOR ABOVE	
LP1-2	HOMERUN - PANEL DESIGNATION A	ND CIRCUIT NUMBER	
(5)	115 OR 277 VOLT MOTOR AS NOTE	ED ON PLANS	
	NON-FUSIBLE HEAVY DUTY DISCON	NECT SWITCH - BY DIVISION 16	
	FUSED HEAVY DUTY DISCONNECT S	WITCH - BY DIVISION 16	
GFI	STANDARD CONVENIENCE OUTLET — MOUNT 18" A.F.F. — "GFI" DENOTE — NON—FEED THRU		
EWC GFI	STANDARD CONVENIENCE OUTLET FOR COORDINATE LOCATION WITH PLUMB 5-20R DUPLEX		
WP GFI →	STANDARD CONVENIENCE OUTLET — DUPLEX — "GFI" DENOTES GROUND		
C ⊕	CLOCK OUTLET - NEMA 3-15R - PLATE HAS HOOK FOR HANGING CL		
	SPECIAL POWER OUTLET, NEMA DES	SIGNATION AS SHOWN ON PLANS	
+	TWO STANDARD CONVENIENCE OUTL 5-20R DUPLEX - COMMON COVER		
0	FLOOR BOX WITH DUPLEX RECEPTA	CLE	
•	POKE-THRU WITH DUPLEX RECEPTA	ACLE	
	SURFACE MOUNTED STANDARD CON	VENIENCE OUTLET	
	SURFACE MOUNTED SPECIAL POWER	ROUTLET	
	SURFACE METAL RACEWAY		
<u></u>	GROUNDING FOR SERVICE OR SEPAN.E.C.	RATELY DERIVED SYSTEM, PER	
Π	INDICATED CONDUIT STUBBED OUT CONDUIT BUSHING	INTO SPACE – PROVIDE	
E	INDICATES ELECTRICAL CONNECTION TO EQUIPMENT PROVIDED AND INST		
	ESTIMATED LOCATION OF NEW SYST SYSTEM. CONTRACTOR SHALL LOCATO EXISTING SYSTEM AND PROVIDE EXISTING SYSTEM IDENTIFIED BY SU	TE ACTUAL POINT TO CONNECT ANY REQUIRED ADJUSTMENTS.	

SYMBOL	SYMBOL LEGEND-LIGHTING NOT ALL SYMBOLS ARE USED IN THIS CONTRACT		
SYMBOL	DESCRIPTION		
· A A	LIGHT FIXTURE — LETTER INDICATES FIXTURE TYPE		
├── A	STRIP LIGHT FIXTURE - LETTER INDICATES FIXTURE TYPE		
A	SURFACE OR RECESSED MOUNTED FIXTURE. LETTER DENOTES FIXTURE TYPE.		
Ф А	PENDANT MOUNTED FIXTURE, SEE PLAN OR SCHEDULE FOR MTG HT — LETTER INDICATES FIXTURE TYPE		
O A	CEILING MOUNTED FIXTURE - LETTER INDICATES FIXTURE TYPE		
⊢ A	WALL MOUNTED FIXTURE - LETTER INDICATES FIXTURE TYPE		
A A	EMERGENCY LIGHTING UNIT - MOUNT 8'-6" A.F.F. OR 1'-0" BELOW CEILING - LETTER INDICATES FIXTURE TYPE		
A	WALL MOUNTED LIGHT FIXTURE — LETTER INDICATES FIXTURE TYPE		
□ A	POLE MOUNTED FIXTURE. LETTER DENOTES FIXTURE TYPE.		
$\overline{\otimes}$	UNIVERSAL MOUNTED EXIT LIGHT — DARKENED QUADRANTS INDICATE FACE — DIRECTIONAL ARROWS ARE INDICATED IF REQUIRED		
\$	SINGLE POLE SWITCH - 20A - 120/277V - MOUNT 40" A.F.F.		
\$3	THREE-WAY SWITCH - 20A - 120/277V - MOUNT 40" A.F.F.		
\$M	MANUAL MOTOR STARTER - SINGLE PHASE WITH OVERLOADS		
\$t	SINGLE POLE SWITCH WITH INTEGRAL TIMER, 20A - 120/277V - MOUNT 40" A.F.F.		
Sa	SINGLE POLE SWITCH, "a" DENOTES FIXTURES CONTROLLED		

DEMOLITION GENERAL NOTES

- 1. THIS CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL SUPPLY EQUIPMENT AND CONDUCTORS SERVING EQUIPMENT DESIGNATED HEREIN TO BE REMOVED THIS CONTRACTOR SHALL DISCONNECT AND RELOCATE ALL WIRING TO LIGHTING TO MATCH THE NEW LOCATIONS SHOWN ON THE CEILING PLANS, ALL EXISTING LIGHTING CONTROLS SHALL BE SUSTAINED.
- 2. NO EQUIPMENT REMOVED SHALL BE REUSED, EXCEPT AS SPECIFICALLY DIRECTED ON THE DRAWINGS OR ELSEWHERE HEREIN. EXCEPT FOR CONDUIT, CONDUCTORS AND MISCELLANEOUS HARDWARE, ALL ELECTRICAL EQUIPMENT SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STORED ON THE SITE FOR REMOVAL PER THE OWNER'S DIRECTION. ABANDONED OR REMOVED CIRCUITS SHALL BE DISCONNECTED AT THEIR OVERCURRENT DEVICE, THE CONDUCTORS REMOVED AND THE CIRCUIT SPACE MARKED SPARE ON THE APPLICABLE DIRECTORY USING ADHESIVE BACKED CORRECTION TAPE, EXCEPT WHERE SAID DEVICE/EQUIPMENT TO BE REMOVED IS PART OF A BRANCH CIRCUIT THAT ALSO SERVES DEVICES/EQUIPMENT THAT ARE TO REMAIN IN PLACE. IN THE LATTER CASE, THIS CONTRACTOR SHALL REMOVE ALL BRANCH CIRCUIT CONDUCTORS AND CONDUIT BACK TO THE FIRST DEVICE CONNECTION OR JUNCTION BOX SERVING EQUIPMENT TO REMAIN. UPON COMPLETION OF THIS REMOVAL THE CONTRACTOR SHALL TEST THE CIRCUIT TO ENSURE THAT THE DEVICES/EQUIPMENT BRANCH CIRCUIT INTEGRITY IS SUSTAINED FOR EQUIPMENT/DEVICES TO REMAIN.
- 3. ANY EXISTING CIRCUITS OR EQUIPMENT NOT SHOWN ON THE DRAWINGS AND WHICH ARE LOGICALLY EXPECTED TO BE CONTINUED IN SERVICE AND WHICH MAY BE INTERRUPTED OR DISTURBED DURING CONSTRUCTION, SHALL BE RECONNECTED IN AN APPROVED MANNER. IN ADDITION, ANY EXISTING CIRCUIT OR EQUIPMENT WHICH MAY REQUIRE RELOCATION OR REROUTING AS A RESULT OF CONSTRUCTION, SHALL BE CONSIDERED A PART OF THE WORK OF THIS SECTION AND SHALL BE DONE BY THIS CONTRACTOR WITH NO ADDITIONAL COMPENSATION.
- 4. OUTLET BOXES BEING ABANDONED IN EXISTING WALLS, THAT HAVE WIRING REMOVED, IN REMODELED AREAS SHALL HAVE ITS OPENING PATCHED TO MATCH EXISTING WALL FINISH. BLANK COVERS ARE NOT ACCEPTABLE.
- 5. EXISTING CONDUIT AND WIRING IN THE REMODEL AREA THAT IS NOT BEING REMOVED, BUT WHICH WILL BE IN CONFLICT WITH NEW WORK BEING INSTALLED, SHALL BE REROUTED AS REQUIRED.
- 6. THIS CONTRACTOR SHALL PROVIDE REQUIRED ADDITIONAL SUPPORT FOR EXISTING CONDUIT IN ERMODEL AREA THAT IS NOT BEING REMOVED AND IS NOT PROPERLY SUPPORTED IN ACCORDANCE WITH N.E.C. REQUIREMENTS.
- 7. PRIOR TO DEMOLITION OR ALTERATION OF STRUCTURES, THE FOLLOWING SHALL BE ACCOMPLISHED:
 - COORDINATE SEQUENCING WITH OWNER AND OTHER CONTRACTORS. SURVEY AND RECORD CONDITION OF EXISTING FACILITIES TO REMAIN IN PLACE THAT MAY BE AFFECTED BY DEMOLITION OPERATIONS. AFTER DEMOLITION OPERATIONS ARE COMPLETED, SURVEY CONDITIONS AGAIN AND RESTORE EXISTING FACILITIES TO THEIR PREDEMOLITION CONDITION,
 - SALVAGE EQUIPMENT SCHEDULED FOR REUSE IN NEW WORK OR SCHEDULED TO BE DELIVERED TO OWNER'S STORAGE FACILITY.

AT NO ADDITIONAL COST TO OWNER.

	LIGHTING FIXTURE SCHEDULE									
TYPE		DESCRIPTION	MANUF.	CATALOG NUMBER	WATTS	LAMP	COLOR	VOLTS	MOUNTING	REMARKS
	А	2'x2" TROFFER LED	METALUX	22CZ LD4 39 S UNV L835 CD1 U	41.3	LED	80 CRI	UNV	GRID	
	ΑE	2'x2" TROFFER LED	METALUX	22CZ LD4 39 S UNV L835 EL14W CD1	41.3	LED	80 CRI	UNV	GRID	EMERGENCY BATTERY BACKUP
	В	2'x2" TROFFER LED	METALUX	22CZ LD4 39 S UNV L835 CD1 DF-22-W	41.3	LED	80 CRI	UNV	DRYWALL CEILING	
	BE	2'x2" TROFFER LED	METALUX	22CZ LD4 39 S UNV L835 EL14W CD1 DF-22-W	41.3	LED	80 CRI	UNV	GRID	EMERGENCY BATTERY BACKUP
	С	LED 4" DOWNLIGHT	HALO	ML4D09NFL935E- TIR50WFL55- TL43R2GMWWB-H995ICAT	12.1	LED	80 CRI	120V	CEILING	
Service Name	D	VAPOR TIGHT SERIES	SPECTRUM	PJ1INC100W-WJ2-HM*MW	12	LED	10 WATT LED A19	120V	CEILING PENDANT	ATTIC SPACE

GENERAL NOTES

- ALL WORK PERFORMED SHALL BE DONE BY A LICENSED ELECTRICAL CONTRACTOR AND IN A FIRST CLASS WORKMANLIKE MANNER. SAID CONTRACTOR SHALL MEET ALL REQUIREMENTS SET FORTH BY ANY LOCAL ORDINANCE AND/OR GOVERNING AUTHORITIES.
- ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, NATIONAL ELECTRICAL CODE, LATEST EDITION AND THE LATEST EDITIONS OF ALL LOCAL CODES, RULES, AND ORDINANCES HAVING JURISDICTION.
- 3. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK SHOWN AND/OR NOTED ON THE DRAWINGS.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- 5. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS AND COUNTS AS SHOWN AND/OR NOTED ON THE DRAWINGS. THIS SHALL INCLUDE ANY AND ALL FABRICATIONS REQUIRED PRIOR TO INSTALLATION.
- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE ADVANCED ORDERING OF LONG LEAD ITEMS SO AS NOT TO INTERFERE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.
- CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF ACCEPTANCE. UNLESS INDICATED OR SPECIFIED OTHERWISE.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- 9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITIONS ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT AND FURNISHINGS CAUSED DURING PERFORMANCE OF WORK.
- 10. ELECTRICAL CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE.
- 11. ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED FOR THE INTENDED USE, WITH UNDERWRITER'S LABORATORIES, INC. (UL) WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL. AS A MINIMUM, ALL EQUIPMENT SHALL MEET APPLICABLE STANDARDS FOR THE TYPE OF EQUIPMENT AND INTENDED USE OF THE FOLLOWING:
 - A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
 - AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
 - C. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).

NOTE: THESE STANDARDS ARE SUBORDINATE TO CODES AND STANDARDS SET BY UL.

- 2. IT IS NOT THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL BE EXPECTED TO PROVIDE ALL ITEMS AND EQUIPMENT NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM.
- 3. ALL CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT ROUTING SHALL BE DETERMINED IN THE FIELD, UNLESS OTHERWISE NOTED. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE PROPER NUMBER OF CONDUCTORS IN ALL RACEWAYS AS REQUIRED TO ACCOMPLISH THE PROPER FUNCTIONING OF THE DEVICE OR EQUIPMENT AS SHOWN.
- 4. THE ELECTRICAL CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PERFORMED. FREE FROM DEBRIS AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
- 15. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING.
- 6. ARCHITECTURAL AND/OR ENGINEERING EXPENSES THAT ARE INCURRED DUE TO 33. ALL GROUND RODS TO BE COPPER CLAD STEEL, WITH EXOTHERMIC WELDED REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THAT CONTRACTOR.

- 17. COORDINATE ALL ELECTRICAL SITE WORK WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- 18. ALL CONDUCTORS SHALL BE IN RACEWAY. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL (RGS) EXCEPT THAT:
- (a) POLYVINYL CHLORIDE (PVC) CONDUITS MAY BE USED IN CONCRETE
- SLABS AND UNDERGROUND PROVIDED ELBOWS AND RISERS ARE RGS. (b) ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN OR ON WALLS OR CEILING WHERE NOT SUBJECT TO MECHANICAL DAMAGE, DAMP CONDITIONS OR CORROSIVE CONDITIONS:
- (c) LIQUID—TIGHT FLEXIBLE CONDUIT WHERE REQUIRED; (e) THE USE OF AC OR MC CABLES SHALL BE PROHIBITED.
- 19. FOR UNDERGROUND ELECTRICAL CONDUITS, PROVIDE PULL BOXES, SUCH THAT NO SINGLE CONDUIT RUN HAS BENDS IN EXCESS OF 360. PULL BOXES SHALL BE H20 TRAFFIC LOAD RATED SIZED PER NEC, SUITABLE AND APPROVED FOR THE INTENDED USE. WHERE UNDERGROUND CONDUITS ARE NOT EXPOSED TO MECHANICAL DAMAGE OR ARE NOT UNDER PAVED AREAS. THEY MAY BE SCHEDULE 40 PVC, BUT ALL CONDUIT RISERS SHALL BE RGS. RGS CONDUITS SHALL EXTEND A MINIMUM OF 18" BELOW GRADE.
- 20. APPLY BITUMASTIC COATING TO ALL METALLIC CONDUITS IN SLABS OR UNDERGROUND.
- 21. ALL CONDUCTORS SHALL BE COPPER U.O.N., TYPE THHN / THWN INSULATION, RATED 75°C WET/DRY EXCEPT WHERE OTHERWISE REQUIRED BY U.L. OR CODES UNLESS OTHERWISE NOTED. MINIMUM WIRE SIZE SHALL BE #12 AWG EXCLUDING CONTROL WIRING.
- 22. ALL ELECTRICAL EQUIPMENT SHALL BE RAINTIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUID-TIGHT.
- 23. OUTLET BOXES SHALL BE CAST ALLOY WITH THREADED HUBS AND SPECIAL ENCLOSURE FOR OTHER CLASSIFIED AREAS.
- 24. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING EQUIPMENT PER MANUFACTURER RECOMMENDATIONS. ELECTRICAL CONTRACTOR SHALL VERIFY CIRCUIT PROTECTIVE DEVICE RATING FOR EQUIPMENT PROVIDED.
- 25. DISCONNECT SWITCHES SHALL BE SIZED PER NEC TO ACCOMMODATE EQUIPMENT SERVED, INCLUDING REQUIRED FUSES, U.O.N. DISCONNECT SWITCHES SHALL BE HORSEPOWER RATED, HEAVY-DUTY TYPE.
- 26. FUSES SHALL BE CURRENT LIMITING, PER U.L., RATED 600 VOLTS, UNLESS OTHERWISE NOTED. A. NONTIME DELAY FUSES IN MAIN SWITCHES AND SWITCHES FEEDING
 - TIME DELAY FUSES FOR MOTOR AND A/C CIRCUITS.
- 27. CIRCUIT BREAKERS SHALL BE BOLT-ON U.O.I., INVERSE TIME-TYPE (THERMAL-MAGNETIC). TWO AND THREE-POLE CIRCUIT BREAKERS SHALL HAVE COMMON TRIP. ALL PANELBOARDS SHALL HAVE COPPER BUS.
- 28. ALL CONNECTIONS TO GROUND RODS & BUILDING STEEL SHALL BE MADE WITH UL APPROVED WELDED CONNECTIONS, UNLESS OTHERWISE NOTED.
- 29. PROVIDE TEMPORARY ELECTRICAL SERVICE FOR USE BY ALL TRADES DURING CONSTRUCTION AND REMOVE SAME AT COMPLETION OF PROJECT,
- 31. THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE SET OF AS-BUILT DRAWINGS, SHOWING ALL CHANGES AND DEVIATIONS TO THE ARCHITECT/ENGINEER PRIOR TO COMPLETION OF THE PROJECT.
- 32. PREPARE AND AFFIX A TYPEWRITTEN DIRECTORY TO THE INSIDE COVER OF EACH PANELBOARD INDICATING LOADS SERVED BY EACH CIRCUIT.
- CONNECTIONS.

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PROJECT TEAM DESIGNER

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PROJECT NUMBER | STATUS | ISSUE DATE

ELECTRICAL SYMBOLS, GENERAL NOTES & SHEET **INDEX**

SCALE: NOT TO SCALE

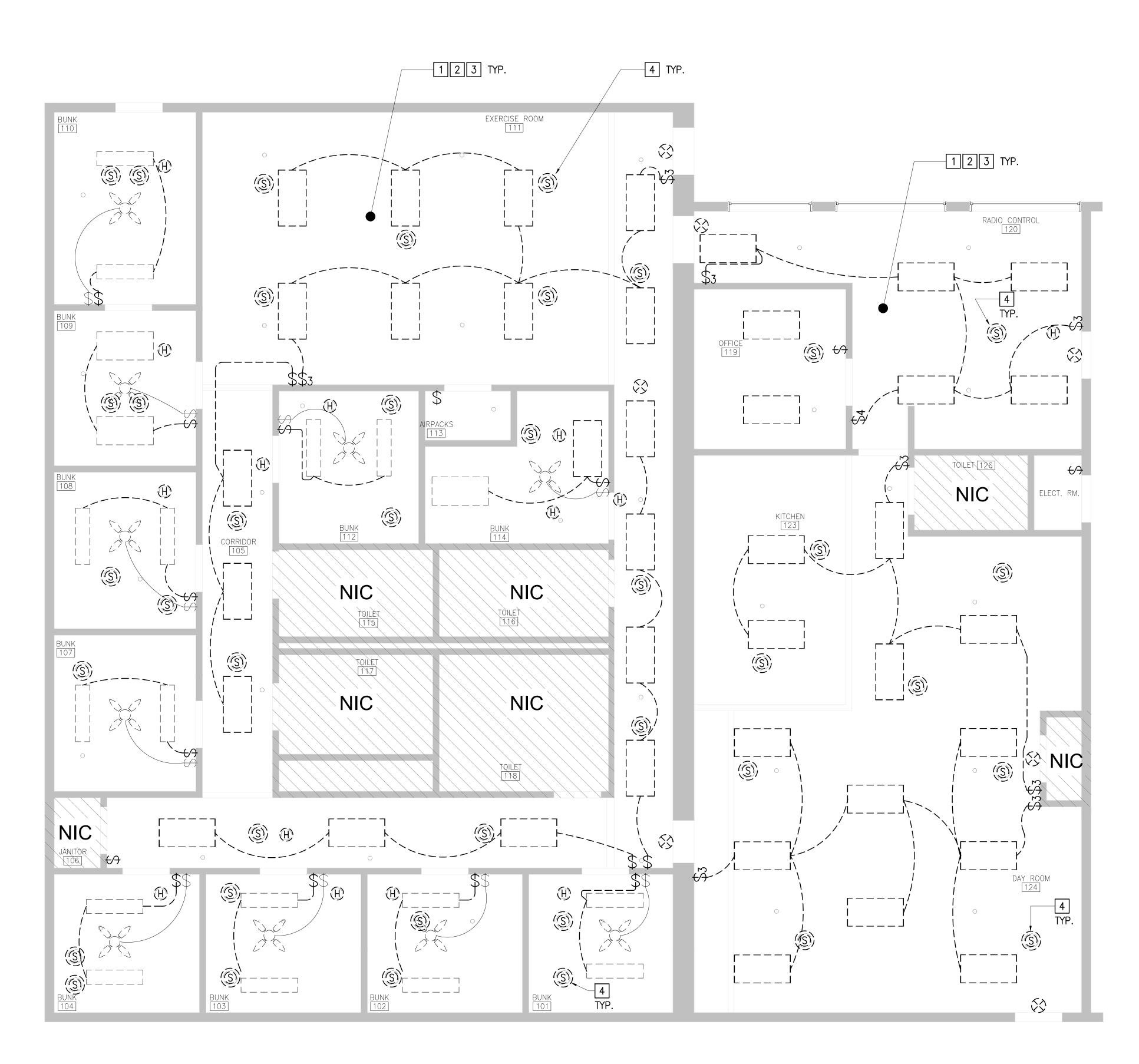
E-000

SHEET NUMBER

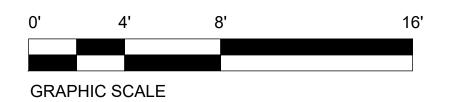
The Bidding Firm shall be Qualified by a Florida State or Collier County General Contractor License in conformance with FS 489.

SHE	SHEET INDEX				
SHEI	ET DESCRIPTION				
E-000	ELECTRICAL SYMBOLS, GENERAL NOTES & SHEET INDEX				
E-101	FIRST FLOOR LIGHTING PLAN - DEMOLITION WORK				
E-102	FIRST FLOOR POWER PLAN - DEMOLITION WORK				
E-201	FIRST FLOOR LIGHTING PLAN - REMODEL WORK				
E-202	FIRST FLOOR POWER PLAN - REMODEL WORK				
E-301	PARTIAL FIRST FLOOR POWER PLAN - KITCHEN REMODEL WORK				
E-401	ELECTRICAL DETAILS				
E-501	ELECTRICAL SCHEDULES				
E-601	ELECTRICAL SPECIFICATIONS				

City of Naples, FL 18-002 Fire Station #2 Improvements ITB







DEMOLITION

2X4 LIGHT FIXTURE 1X4 LIGHT FIXTURE CEILING FAN

CEILING SPEAKER AND HORN

CEILING FIRE ALARM HORN

EXIT LIGHT

SPRINKLER HEAD (NOT IN CONTRACT)

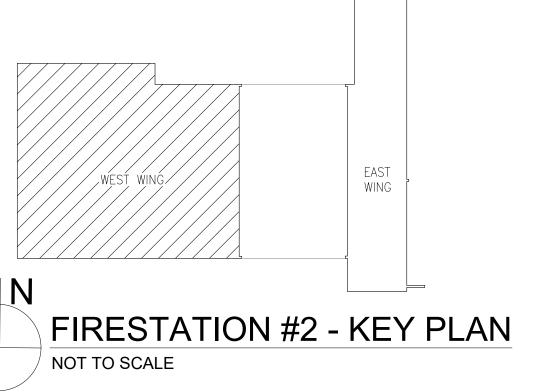
EXISTING WALL MOUNTED LIGHT SWITCHES TO

EXISTING WALL MOUNTED LIGHT SWITCHES TO BE REMOVED AND REPLACED WITH NEW

- 1- EXISTING LIGHT FIXTURES ARE BEING REPLACED WITH BETTER PERFORMANCE AND ENERGY EFFICIENT LIGHT FIXTURES. ILLUMINATION POWER USAGE SHALL DECREASE AT LEAST 30%.
- 2- REFER TO ARCHITECTURAL DRAWINGS FOR SCOPE OF WORK PHASING; THE FIRE STATION IS A 24/7 OPERATING FACILITY AND SHALL REMAIN IN OPERATION DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO WORKING IN NEW AREAS WHICH REQUIRE COORDINATION WITH EXISTING FACILITY FUNCTION.

DEMOLITION NOTES:

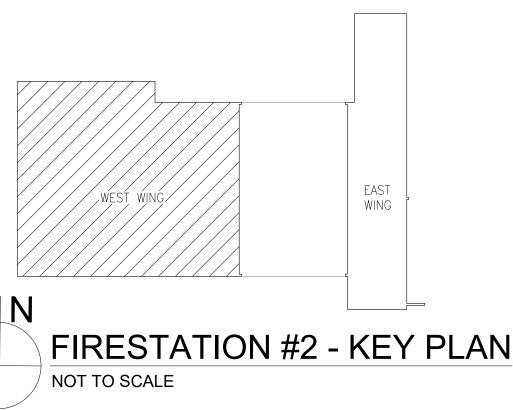
- 1 ALL EXISTING CEILING MOUNTED LIGHT FIXTURES AND FANS WITHIN SCOPE OF WORK AREAS, AND ALL EXIT LIGHTS ARE BEING REMOVED; RETAIN BRANCH CIRCUIT IN PLACE FOR CONNECTION TO NEW LIGHTING/FANS. EXISTING EXIT LIGHTS (CEILING OR WALL MOUNTED) ARE TO BE REMOVED AND RE-INSTALLED AFTER ARCHITECTURAL CEILING WORK IS DONE.
- 3 ALL EXISTING CEILING MOUNTED ELECTRICAL AND FIRE ALARM DEVICES, SPEAKERS, SENSORS, ETC. ARE TO BE DISCONNECTED AND TEMPORARILY REMOVED FOR NEW CEILING ARCHITECTURAL WORK; REINSTALL ALL DEVICES TO THEIR ORIGINAL LOCATION AND CIRCUITS ONCE NEW CEILING IS IN PLACE.
- CEILING. PROVIDE CEILING TYPE ADAPTER WHERE REQUIRED.





GENERAL DEMOLITION NOTES:

- 2 KEEP SWITCHING CONTROL IN PLACE FOR NEW LIGHTING/FANS.
- 4 DISCONNECT AND TAKE DOWN ALL SPEAKERS AND FIRE ALARM HORNS IN CEILING, TO BE RE-INSTALLED IN NEW





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PE-57783 **ENGINEER OF RECORD**

PROJECT TEAM

DESIGNER

GJ/GP BIM / DRAWINGS BY:

CHECKED BY:

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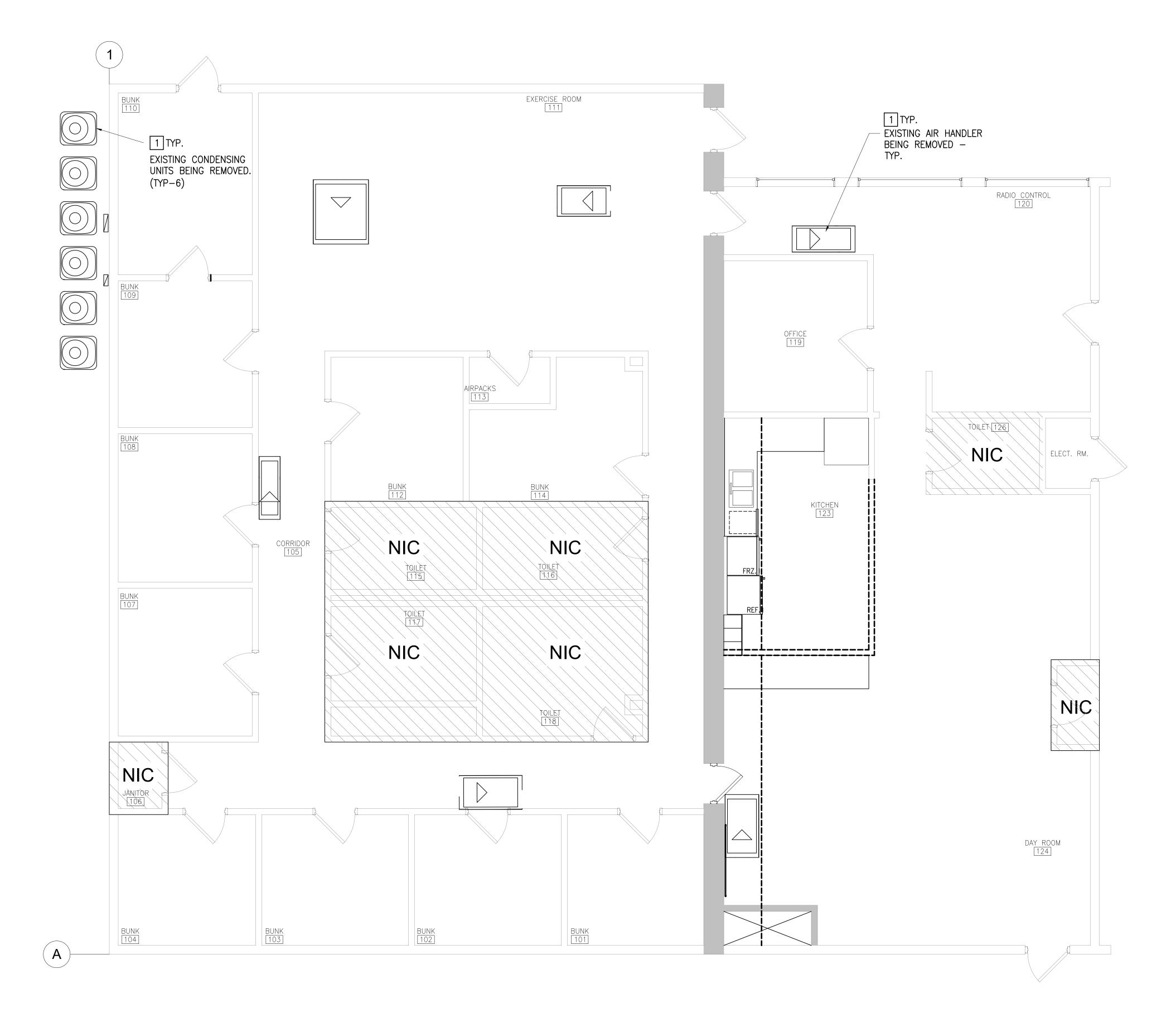
FIRST FLOOR LIGHTING PLAN - DEMOLITION WORK

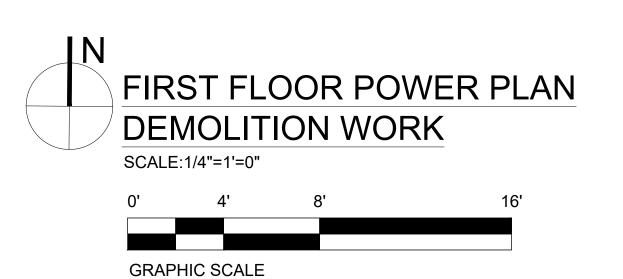
SCALE: AS SHOWN

E-101

SHEET NUMBER

City of Naples, FL 18-002 Fire Station #2 Improvements ITB





GENERAL NOTE:

SEE GENERAL DEMOLITION NOTES ON SHEET E-000.

DEMOLITION NOTES:

1 REMOVE ALL AHU'S & CONDENSING UNITS DISCONNECT SWITCHES AND BRANCH CIRCUIT WIRING BACK TO PANEL AC, SEE PANEL AC SCHEDULE.



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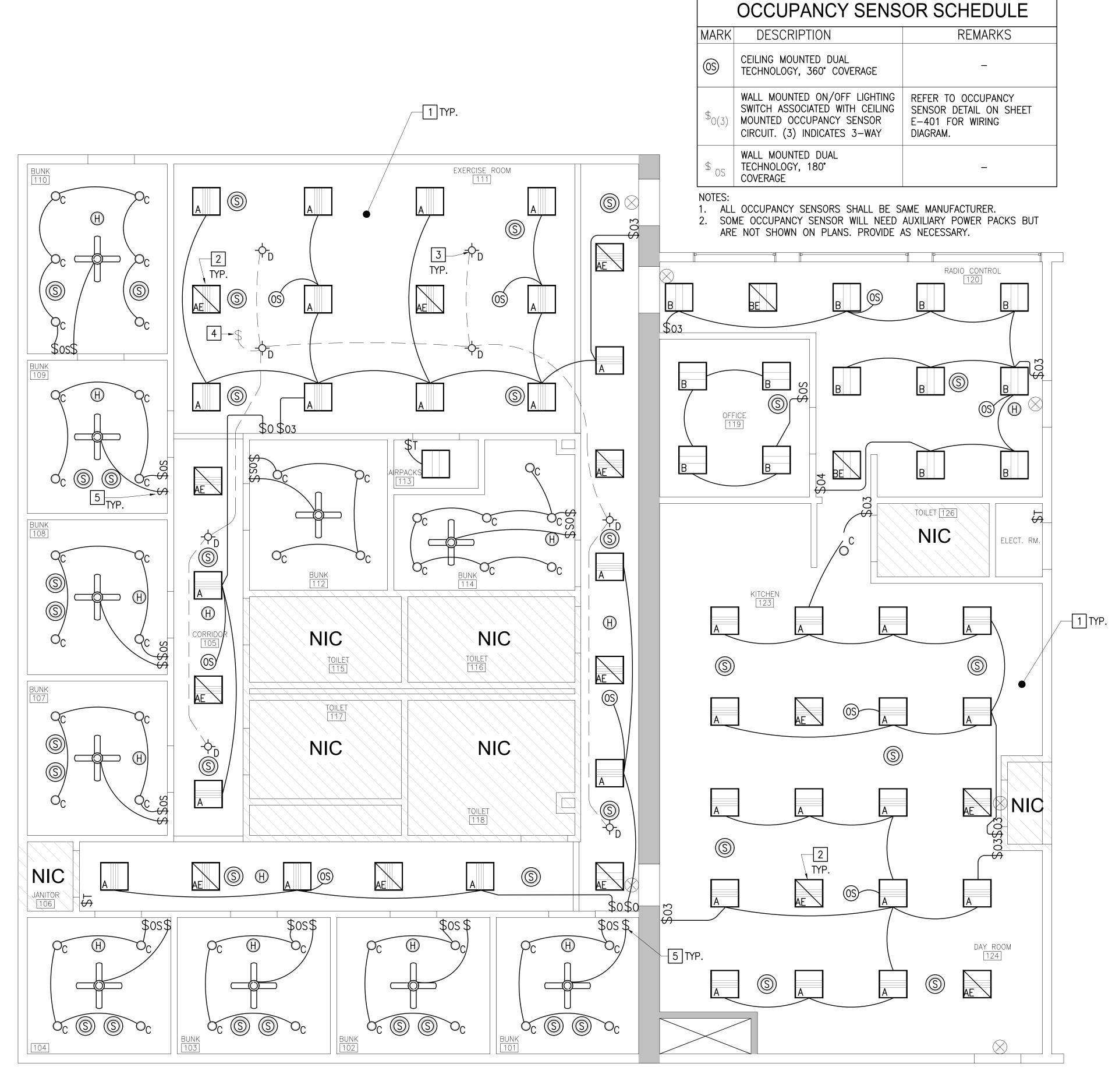
FIRST FLOOR POWER
PLAN - DEMOLITION
WORK

SCALE: AS SHOWN

E-102

SHEET NUMBER

FIRESTATION #2 - KEY PLAN
NOT TO SCALE



FIRST FLOOR WEST WING LIGHTING PLAN
REMODEL WORK
SCALE:1/4"=1'=0"



City of Naples, FL

LEGEND

NEW FIXTURES

2X4 LIGHT FIXTURE

2X4 LIGHT FIXTURE W/BATTERY
BACKUP

B 2X4 LIGHT FIXTURE

2X4 LIGHT FIXTURE W/BATTERY BACKUP

O_C DOWNLIGHT FIXTURE

ATTIC FIXTURE

CEILING FAN: MONTECARLO

3CLMR56BSD BRUSHED STEE

3CLMR56BSD BRUSHED STEEL 3
BLADE 56" INDOOR WITH LED
LIGHT (FROM LIGHTINGDIRECT.COM)

RELOCATED CEILING SPEAKER AND HORN

RELOCATED CEILING FIRE ALARM HORN

EXIT LIGHT (EXISTING, RE-INSTALLED)

GENERAL NOTES:

1-EXISTING LIGHT FIXTURES ARE BEING REPLACED WITH BETTER PERFORMANCE AND ENERGY EFFICIENT LIGHT FIXTURES. ILLUMINATION POWER USAGE SHALL DECREASE AT LEAST 30%.

2-ALL LIGHTING SWITCHES SHOWN ARE NEW (SAME LOCATION). REFER TO OCCUPANCY SENSOR SCHEDULE THIS SHEET AND SYMBOL LEGEND ON SHEET E-000.

REMODEL NOTES:

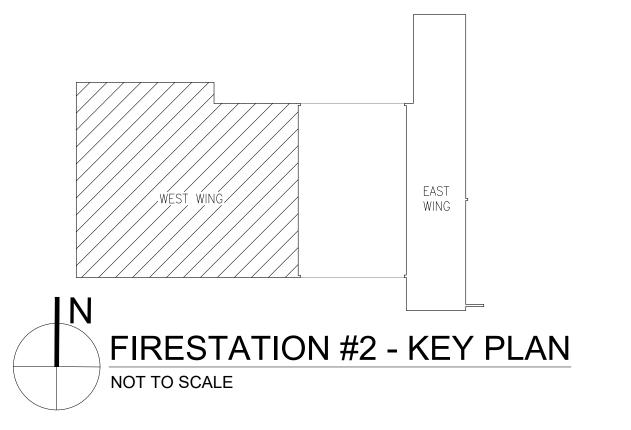
1 CONNECT NEW LIGHTING/FANS TO EXISTING POWER AND SWITCH CONTROL IN ROOM. PROVIDE NEW LIGHT SWITCHES (AT SAME LOCATION) AND OCCUPANCY SENSORS AS SHOWN.

2 NEW LIGHTS PROVIDED WITH EMERGENCY BATTERY BACKUP. CONNECT (UNSWITCHED) TO EXISTING LIGHTING CIRCUIT IN ROOM.

3 STEM MOUNTED PENDANT LIGHT LOCATED IN ATTIC SPACE. MOUNT FOR MAXIMUM HEAD CLEARANCE UNDER FIXTURE. POWER FROM PANEL "S", VIA 3#12-1/2"C. SWITCH FROM WALL SWITCH LOCATED IN ATTIC AT ACCESS PANEL.

4 LIGHT SWITCH LOCATED IN ATTIC AT ACCESS PANEL. POWER FROM PANEL "S", VIA 3#12-1/2"C.

5 EXISTING FAN'S ON/OFF SWITCH AND WIRING TO REMAIN; RE-CONNECT TO NEW CEILING FANS - TYP.





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PROJECT TEAM
DESIGNER

GJ/GP

CHECKED BY:

GJ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ .

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Station #2
Int. Renovation
(Ceilings / HVAC)
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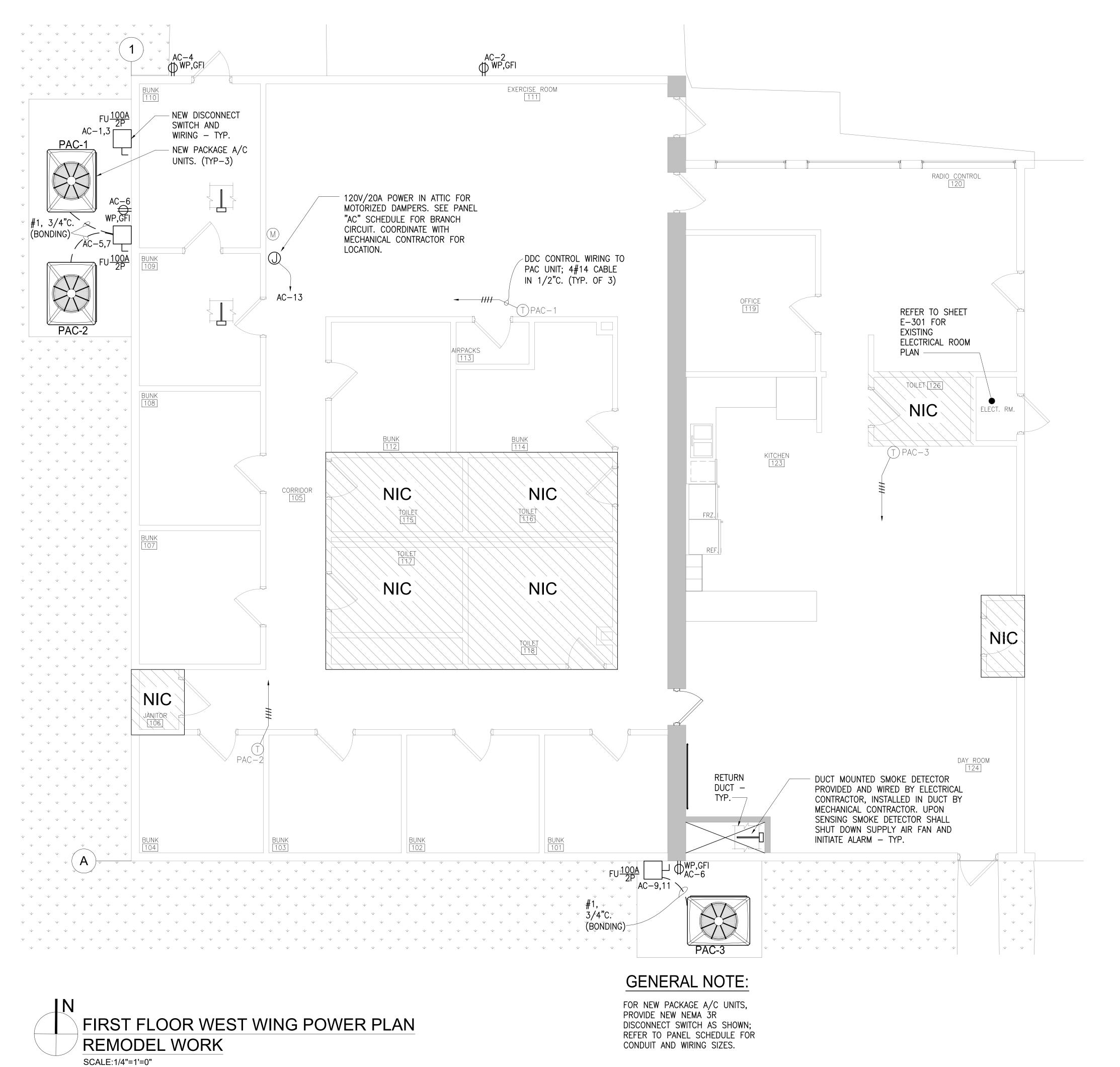
PROJECT NUMBER | STATUS | ISSUE DATE

FIRST FLOOR LIGHTING PLAN - REMODEL WORK

SCALE: AS SHOWN

E-201

18-002 Fire Station #2 Improvements ITB





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PROJECT NUMBER | STATUS | ISSUE DATE

FIRST FLOOR POWER PLAN - REMODEL WORK

SCALE: AS SHOWN

E-202

GRAPHIC SCALE

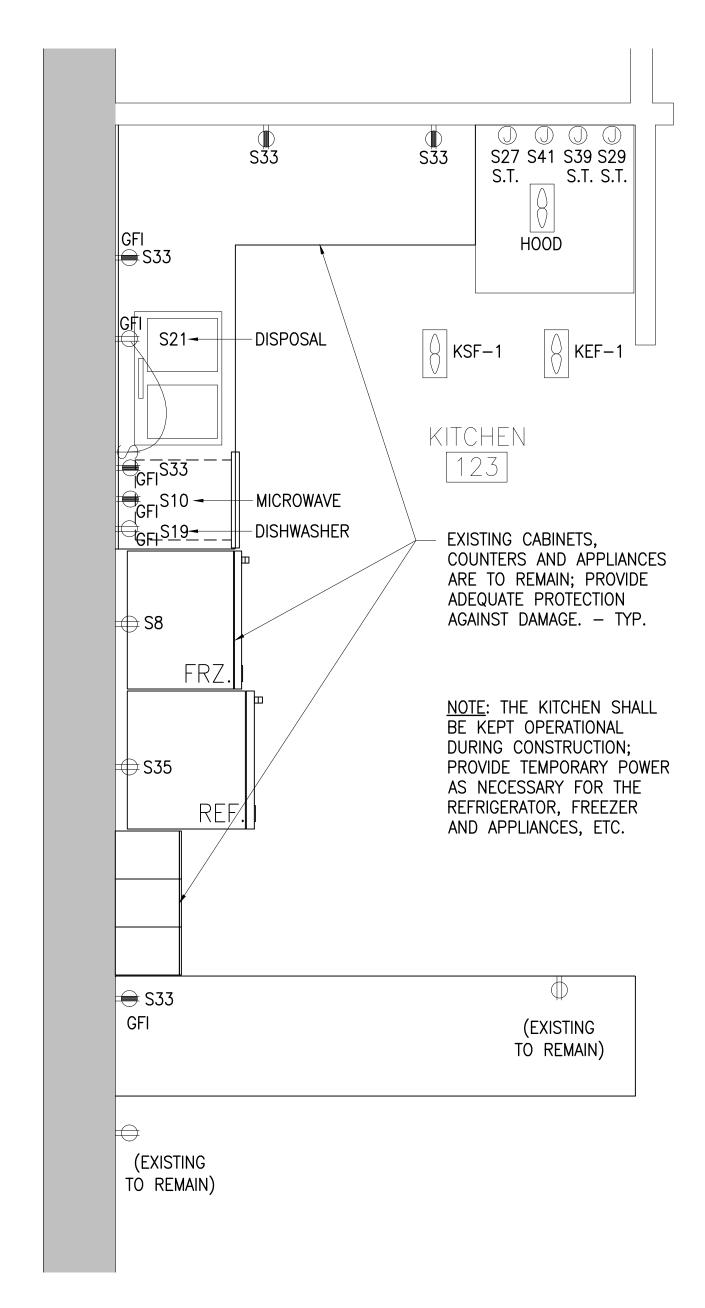
City of Naples, FL

18-002 Fire Station #2 Improvements ITB

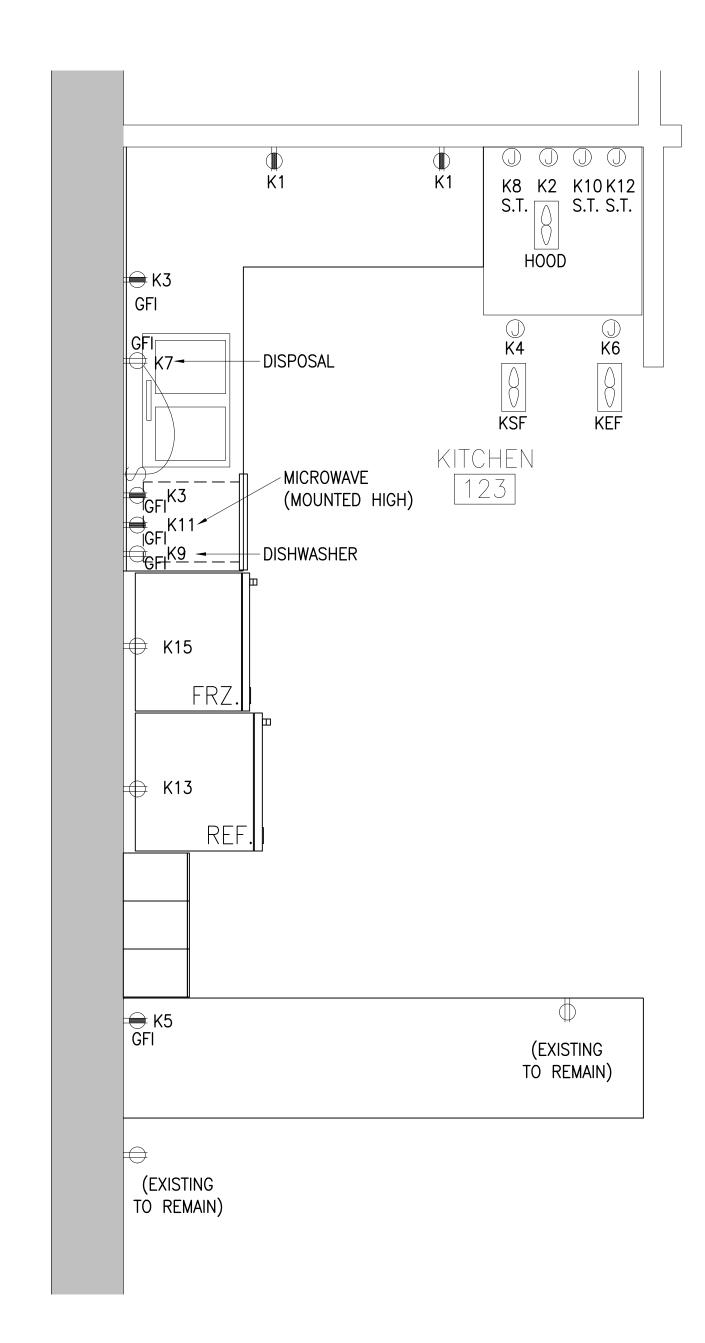
NOT TO SCALE

FIRESTATION #2 - KEY PLAN

SHEET NUMBER

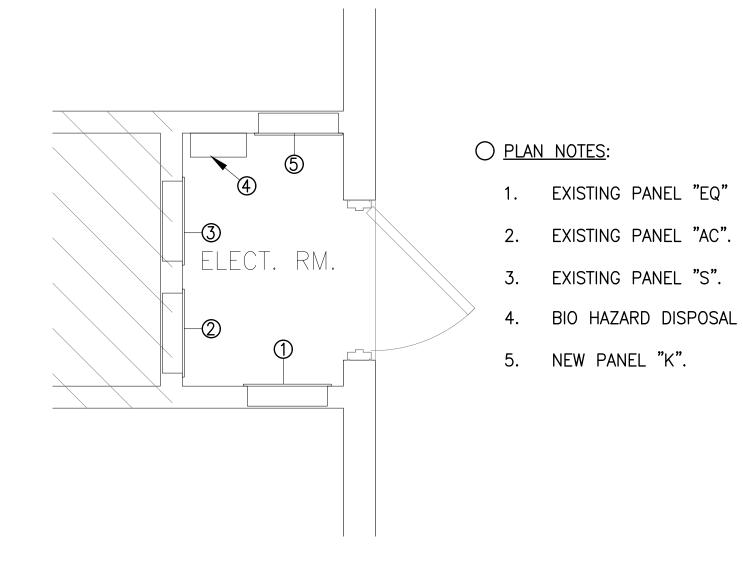






KITCHEN RECIRCUITED PLAN
SCALE: 1/2"=1'-0"

18-002 Fire Station #2 Improvements ITB







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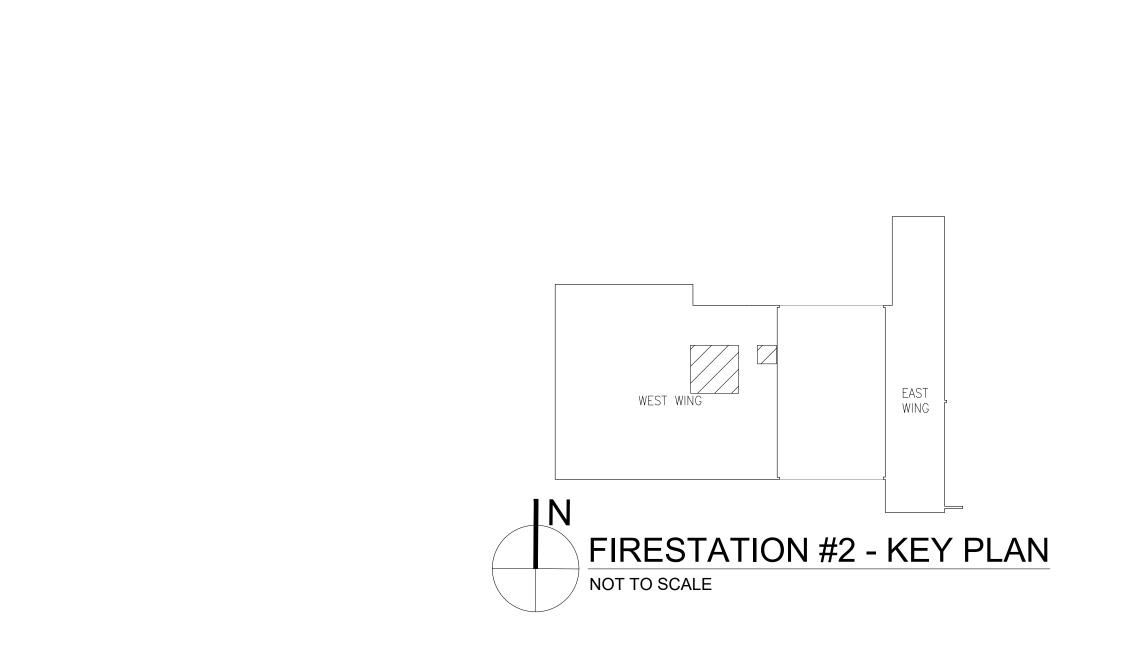
PROJECT NUMBER | STATUS | ISSUE DATE

PARTIAL FIRST FLOOR POWER PLAN - KITCHEN REMODEL WORK

SCALE: AS SHOWN

E-301

SHEET NUMBER



W	ORKING SPA	CES			
VOLTAGE TO GROUND NOMINAL		CLEAR 1	DISTANCE (FEET) 2	3	
0-150 151-600		3 3	3 3 1/2	3 4	

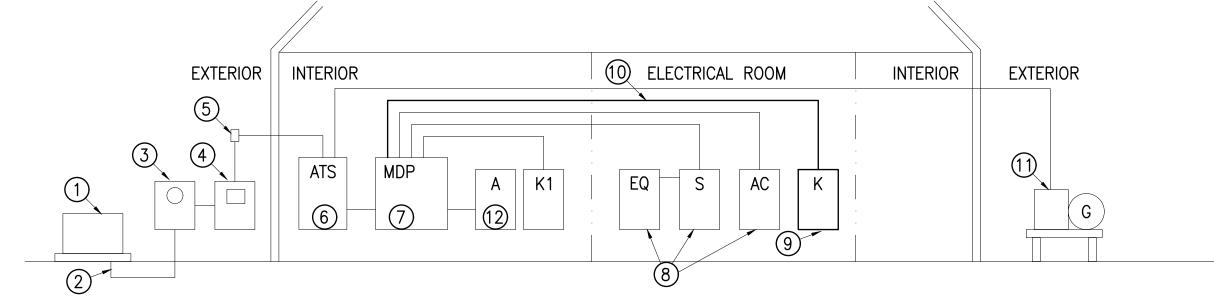
WHERE THE "CONDITIONS" ARE AS FOLLOWS:

- 1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300V SHALL NOT BE CONSIDERED LIVE PARTS.
- 2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
- 3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

NOTE: THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT REQUIRED BY SECTION 110-26 OF THE NATIONAL ELECTRICAL CODE.

WORKING CLEARANCE FOR ELECTRICAL **EQUIPMENT**

NOT TO SCALE



POWER RISER MODIFICATION

- 1. EXISTING UTILITY PAD MOUNTED TRANSFORMER, 120/240V, 3ø, 4W.
- 2. EXISTING SERVICE METER TO REMAIN.
- 3. EXISTING UTILITY METER AND CT CABINET TO REMAIN.
- 4. EXISTING SERVICE DISCONNECT CIRCUIT BREAKER, 600A/3P AT 120/240V, 3ø, 4W.
- 5. EXISTING LB PENETRATION INTO BUILDING.
- 6. EXISTING ATS.

- NEW 100A/2P BREAKER IN AVAILABLE 2P SPACE. BREAKER SHALL BE FULLY COMPATIBLE WITH EXISTING PANEL CHARACTERISTICS.
- 8. EXISTING PANELS TO REMAIN. REMOVE CIRCUITS FROM PANEL "S" SERVING KITCHEN LOADS FOR RELOCATION TO NEW PANEL "K". SEE SCHEDULES ON SHEET E-501.
- NEW PANEL "K", 100A, 120/240V, 1ø, 3W, 14K AIC, 100% NEÚTRAL, 30 POLES, COPPER OR ALUMINUM BUSSING, TO BE LOCATED IN ELECTRICAL CLOSET WALL MOUNTED OPPOSED TO EXISTING PANEL "EQ".
- 7. EXISTING MAIN PANEL "MDP", PROVIDE 10. NEW FEEDER (2)#3, #3 NEUTRAL, #8G. IN 1-1/2" C. RUN FROM NEW 100A/2P BREAKER IN EXISTING PANEL "MDP" TO NEW PANEL "K".

-STRUCTURAL CEILING

> SUSPENDED CEILING

EXCLUSIVELY

DEDICATED SPACE ABOVE

ENCLOSURE

- ELECTRICAL

EQUIPMENT

- WALL

-PLANE OF FRONT EDGE OF ELECTRICAL EQUIP.

- EXCLUSIVELY

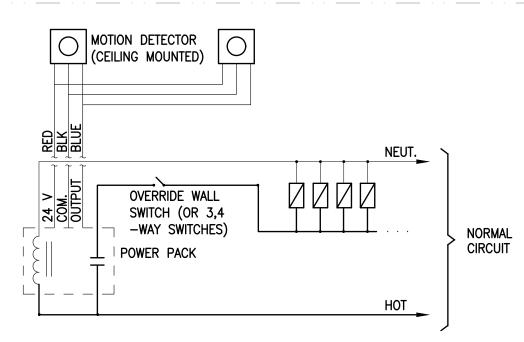
EQUIP.

DEDICATED SPACE OF ELECTRICAL

- 11. EXISTING NATURAL GAS GENERATOR TO REMAIN.
- 12. EXISTING PANEL "A" TO BE REMOVED AND REPLACED WITH NEW PANEL OF SAME CHARACTERISTICS. SEE SCHEDULE ON SHEET E-501.

ELECTRICAL RISER DIAGRAM

NOT TO SCALE



OCCUPANCY SENSOR (CEILING MOUNTED) W/OVERRIDE SWITCH

NOT TO SCALE

City of Naples, FL



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PROJECT TEAM **DESIGNER**

GJ/GP

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ELECTRICAL DETAILS

SCALE: NOT TO SCALE

E-401

SHEET NUMBER

18-002 Fire Station #2 Improvements ITB

LOCATION: MANUFAC: MODEL: MTG:	ELECTRICAL AREA EXISTING TO REMAI EXISTING TO REMAI SURF					PANEL FED FRO VOL 240 /	TS	MC UT	P LITY	Ph 3	W 4			DJECT: 3 No:	FS#2 16012 35,000	AIC	
# 1 3 5 7 9 11 13 15	LOAD AIR COMP. #1 AIR HANDLER #1 PANEL AC - MAKO	-	-	G - - - TO REI - VER RIS	-	BKR 25 2P 35 2P 225 2P 60 3P	A *	B *	C * * *	BKR 200 2P 100 3P - 125 2P 100 2P	- E) -	- (ISTIN - - (ISTIN -	- G TO - -	REMAIN - REMAIN REMAIN	LOAD PANEL S - PANEL A PANEL K1 - PANEL K -	# 2 4 6 8 10 12 14 16	NEW
NEW 3P BRE 2. SEE POWER 3. RE-ARRANG	(ISTING TO REMAIN VIAKER FOR PANEL K RISER FOR FEEDEI REEEXISTING CIRCUIT ADDITION OF NEW PA	R SIZES Γ BREA	S. KERS	N OF	MAIN L	REAKER - JGS - MPACITY =			600 600 SERV PEAK 107.4 NEC 2 (107.4 or 322	ICE ENT	DEMA MANE 0 kVA at 120	CALO New 240V,	ER 12 CULA Net L 3 Ph	MO UTIL TION pad = 134		₹ READII	NG:

LOCATION MANUFAC		ELEC RM EXISTING					PANEL FED FR		A/C MDP				PROJECT JOB No:		FIRE STATION NO 16012	2	
MODEL :		EXISTING											DATE:	•	2/28/2017		
MTG :		RECESSED						LTS /120		Ph 1	W 3				EXISTING	AIC	
CONN							240	7 120			0				EXIOTING	7110	CONN
VA	#	LOAD	Ph	N	G	С	BKR	Α	В	BKR	Ph	N	G	C	LOAD	#	VA
6533	1	PAC-1 (NOTE 2)	4	4	8	2	70	*	*	20	12	12	12	1/2	RCPT (EXT.)	2	720
6533 5633	3	PAC 4 (NOTE 2)	4	-	-	-	2P	*	^	20 20	12 12	12	12 12	1/2 1/2	RCPT (EXT.)	4	720
5633	5 7	PAC-1 (NOTE 2)	4 4	4	8	2	70 2P		*	20	12	12	12	1/2	RCPT (EXT.) SPACE	6 8	360 0
7033	9	PAC-3 (NOTE 2)	4	4	8	2	70	*		-	-	-		-	SPACE	10	0
7033	11	-	4	-	-	-	2P		*	-	-		-	_	SPACE	12	0
0	13	SPACE	-	_	_		-	*		-	-		-	-	SPACE	14	0
0	15	SPACE	-	-	-	-	-		*	-	-		-	-	SPACE	16	0
0	17	SPACE	-	-	-	-	-	*		-	-		-	-	SPACE	18	0
0	19	SPACE	-	-	_	_	-		*	-	-	1.6	-	-	SPACE	20	0
0	21	SPACE	-	-	-	-	-	*		-	-	-	-	-	SPACE	22	0
0	23	SPACE	-	_	-	.=	-		*	-	-	-	-	-	SPACE	24	0
860	25	DAY RM LTG	12	12	12	1/2	*20*	*	*	*20*	12	12	12	1/2	FIRE ALARM	26	1500
860 1440	27 29	PANEL RM LTG DAY RM RECEPT	12 12	12 12	12 12	1/2 1/2	*20* *20*	*		-	_	-	-	_	SPACE SPACE	28 30	0
0	31	SPACE	-	-	-	-	-		*	_	_	_	_	_	SPACE	32	0
0	33	SPACE	_	-	_	_	-	*		_	_	_	-	_	SPACE	34	0
0	35	SPACE	-	-	-	-	-		*	-	-	-	-	-	SPACE	36	0
0	37	SPACE	-	-	-	-	-	*		-	-	-	-	-	SPACE	38	0
0	39	SPACE	-	-	-	-	-		*	-	-		-	-	SPACE	40	0
0	41	SPACE	-	-	-	-	-	*		-	-	-	-	-	SPACE	42	0
21499 20059		SUBTOTAL Ph A SUBTOTAL Ph B				MAIN LU	REAKER - IGS - PACITY =		N/A 200 200	AMPS AMPS AMPS					SUBTOTAL Ph A SUBTOTAL Ph B		2580 720
LOAD						CONNE	CDF	DEMAND)				VA ph A		24079 20779		
LIGHTING A/C (SEE I HEATING NON-VENT						1720 26784 32500	0 100	2150 0 32500 0							44.9	kVA	
VENTILATI KITCHEN, : RECEPTA MISCELLA OWNER C	ON #EQ : CLES NEO	= 3 US		0		5898 0 3240 1500	3 100 100 100 100 100	5898 0 3240 1500		FULLY 2. HEAT 3. *BKR*	COMP ING AN INDICA	ATIBL ID AC ATES	E WITH E LOAD IS EXISTING	XISTIN NONCO BRAN	EAKERS TO BE G PANEL CHARACT DINCIDENTAL CH CKT TO REMAIN	AS IS	
TOTAL						71642 299		45288 189							ID DISCONNECT AN IRCUIT Nos 1 THROL)VE

LOCATION: MANUFAC: MODEL:	ELEC RM EXISTING EXISTING		PANEL FED FRO		S MDP		PROJECT: JOB No: DATE:	FIRE STATION NO 2 16012 2/28/2017	2
MTG :	RECESSED		VO 240	LTS / 120		Ph 1	W 3	EXISTING	AIC
#	LOAD	Ph N G C	BKR	Α	С	BKR	Ph N G C	LOAD	#
1	EMS BAYLTS	EXISTING TO REMAIN	*20*	*		60	EXISTING TO REMAIN	PANEL EQ	2
3	EMS BAY DOORS	EXISTING TO REMAIN	*20*		*	2P	EXISTING TO REMAIN	-	4
5	SMALL BAY GFI	EXISTING TO REMAIN	*20*	*		*20*	EXISTING TO REMAIN	BIG BAYLTS	6
7	OUTSIDE LTS	EXISTING TO REMAIN	*20*		*	*20*	EXISTING TO REMAIN	GENERAL RCP	8
9	EXERCISE EQUIP	EXISTING TO REMAIN	*20*	*		*20*	EXISTING TO REMAIN	BATHRM	10
11	EXH FAN BATHRM	EXISTING TO REMAIN	*20*		*	*20*	EXISTING TO REMAIN	GENERAL RCP	12
13	GENERAL RCP	EXISTING TO REMAIN	*20*	*		*20*	EXISTING TO REMAIN	EXERCISE RM	14
15	TELE/DATA	EXISTING TO REMAIN	*20*		*	*20*	EXISTING TO REMAIN	BUNK RM LTS	16
17	RADIO RM LTS	EXISTING TO REMAIN	*20*	*		*20*	EXISTING TO REMAIN	GENERAL RCP	18
19	DISHWASHER	SEE NOTE 4	20		*	*20*	EXISTING TO REMAIN	GENERAL RCP	20
21	DISPOSAL	SEE NOTE 4	20	*		*20*	EXISTING TO REMAIN	GENERAL RCP	22
23	GENERAL RCP	EXISTING TO REMAIN	*20*		*	*20*	EXISTING TO REMAIN	GENERAL RCP	24
25	COMPUTER RCP	EXISTING TO REMAIN	*20*	*		*20*	EXISTING TO REMAIN	GENERAL RCP	26
27	HOOD SF SHUNT	SEE NOTE 4	20		*	*20*	EXISTING TO REMAIN	GENERAL RCP	28
29	TRIP SUPPLY SHNT	SEE NOTE 4	20	*		*20*	EXISTING TO REMAIN	GENERAL RCP	30
31	COMP RADIO RCP	EXISTING TO REMAIN	*20*		*	*20*	EXISTING TO REMAIN	BATHRM GFI	32
33	KITCHEN GFI	SEE NOTE 4	20	*		*20*	EXISTING TO REMAIN	EXITLTS	34
35	REFRIGERATOR	SEE NOTE 4	20		*	*20*	EXISTING TO REMAIN	EXERCISE RM	36
37	COMPUTER RCP	EXISTING TO REMAIN	*20*	*		*20*	EXISTING TO REMAIN	TREADMILL	38
39	SHUNT TRIP POWEF	SEE NOTE 4	20		*	*20*	EXISTING TO REMAIN	EXERCISE RM	40
41	EXHAUST HOOD	SEE NOTE 4	20	*		*20*	EXISTING TO REMAIN	GWH	42
		MAIN B	REAKER -		N/A	AMPS			
		MAIN LU	JGS -		200	AMPS			
		BUS AN	//PACITY =		200	AMPS			
FU 2. HE 3. *B 4. RE	ANEL IS EXISTING. ALL ILLY COMPATIBLE WIT EATING AND AC LOAD KR* INDICATES EXIST	. NEW BREAKERS TO BE H EXISTING PANEL CHARAG IS NONCOINCIDENTAL ING BRANCH CKT TO REMA UIT WIRE. BREAKER TO REI E	IN AS IS	S					

MANUFAC MODEL :	:	SQ D I-LINE					PANEL FED FRO	OM: N	K MDP				PROJE JOB No		FS#2 16012		
MTG :	,	SURF	\$	8		3	VOI 240 /			Ph 1	W 3		,		22,000	AIC	9
CONN																	COI
VA	#	LOAD	Ph	N	G	С	BKR	······································	3	BKR	Ph	N	G	С	LOAD	#	VA
1500	1	RCPT COUNTER	12	12	12	3/4	20	*		20	12	12	12	3/4	HOOD EXH. FAN	2	153
1503	3	RCPT COUNTER	12	12	12	3/4	20	*	*	20	12	12	12	3/4	KSF-1	4	125
1500	5	RCPT COUNTER	12	12	12	3/4	20	*		20	12	12	12	3/4	KEF-1	6	99
1200	7	DISPOSAL	12	12	12	3/4	20	*	t	20	12	12	12	3/4	HOOD SF SHUNT	8	10
920	9	DISHWASHER	12	12	12	3/4	20	*		20	12	12	12	3/4	TRIP SUPP. SHUNT		10
800	11	MICROWAVE	12	12	12	3/4	20	*	*	20	12	12	12	3/4	SHUNT TRIP	12	10
1700	13	REFRIGERATOR	12	12	12	3/4	20	*		-	-	-	-	-	SPACE	14	0
1800	15	FREEZER	12	12	12	3/4	20	*	*	-	-	-	-	-	SPACE	16	0
0	17	SPACE	_	-	-	-	-	*		-	-	-	-	-	SPACE	18	0
0	19	SPACE	_	-	-	-	-	*	ł .	-	-	-	-	-	SPACE	20	0
0	21	SPACE	-	-	-	-	-	*		-	_	-	-	-	SPACE	22	0
0	23	SPACE	-	-	-	- 1	-	*	*	-	-	-	-	-	SPACE	24	0
0	25	SPACE	-	-	-	- 1	-	*		-	-	-	-	-	SPACE	26	0
0	27	SPACE	-	-	-	-	-	*	•	-	-	-	-	-	SPACE	28	0
0	29	SPACE	-	-	-	- 1	-	*		-	-	_	-	-	SPACE	30	0
0	31	NOT USED													NOT USED	32	0
0	33	NOT USED													NOT USED	34	0
0	35	NOT USED													NOT USED	36	0
0	37	NOT USED													NOT USED	38	0
0	39	NOT USED													NOT USED	40	0
0	41	NOT USED													NOT USED	42	0
5620		SUBTOTAL Ph A				MAIN BRE	AKER -				AMPS				SUBTOTAL Ph A		2
5303		SUBTOTAL PhB				MAIN LUG BUS AMP					AMPS AMPS				SUBTOTAL Ph B		1
LOAD						CONNECT	DF [DEMAND					VA ph /		8245 6753		
LIGHTING						0	125	0					va pii i	_	0733		
A/C						0	100	0					TOTAL		15.0	kVA	
HEATING						0	100	0		NOTES			TOTAL		10.0	KV/	
NON-VEN	T MOT	ORS				0	100	0		1. THIS			VIEI				
VENTILAT						4075	100	4075						ICTORS	S, EXISTING RACEWA	YMAV	RF RI
KITCHEN,		<u>.</u>		5		6420	70	4494					'RATED I				DEIN
RECEPTA				5		4500	100	4500							IENT GROUND BUS.		
MISCELLA						4300	100	4500							L BE COPPER.		
FUTURE	MEOC	50				0	100	0		6. PANE	ELSHAI	L BE	30 POLE R FOR FI	W/MAIN	N BKR.		
TOTAL						14995 62		13069 (54 ((VA) (AMPS)	,. 522		. ,	51171				



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ARCHITECT OF RECORD

REVISION SCHEDULE

No.	DESCRIPTION	DATE
0	FOR PERMIT	06/19/1



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GREGORY A. JOHNSON PE-57783

ENGINEER OF RECORD

PROJECT TEAM

DESIGNERGJ/GP

BIM / DRAWINGS BY:

CHECKED BY:

Naples Fire
Station #2
Int. Renovation
(Ceilings / HVAC)
6788-17-2974
100% CD | 06/19/17

PROJECT NUMBER | STATUS | ISSUE DATE

ELECTRICAL SCHEDULES

SCALE: -

E-501

SHEET NUMBER 'S

City of Naples, FL 18-002 Fire Station #2 Improvements ITB

ELECTRICAL SPECIFICATIONS

SECTION 16000 - ELECTRICAL

GENERAL:

1. SCOPE: ELECTRICAL WORK INCLUDES THE FOLLOWING SYSTEMS:

POWER DISTRIBUTION
LIGHTING
TELEPHONE/DATA RACEWAY
FIRE ALARM

2. QUALITY ASSURANCE: THE COMPLETE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE CURRENT EFFECTIVE EDITION OF THE FOLLOWING CODES:

NFPA 70 - NATIONAL ELECTRICAL CODE

NFPA 110 - EMERGENCY & STANDBY POWER SYSTEMS

NFPA 72 — INSTALLATION, MAINTENANCE AND USE OF PROTECTIVE SIGNALING SYSTEM

NFPA 90A - INSTALLATION OF AIR CONDITIONING SYSTEMS

NFPA 101 - LIFE SAFETY CODE

2014 FLORIDA BUILDING CODE

SUBMITTALS:

A. SUBMIT (4 SETS) OF SHOP DRAWINGS AND OTHER INFORMATION NECESSARY FOR THE ARCHITECT TO MAKE COMPLETE EVALUATION OF THE MATERIALS, ACCESSORIES, AND METHODS PROPOSED FOR THE WORK.

B. CONTRACTOR SHALL SUBMIT 2 SETS OF BOUND AND ONE ELECTRONIC COPY OF O&M MANUALS.

SHOP DRAWINGS AND O&M SHALL BE FOR THE FOLLOWING: LIGHT FIXTURES AND ALARM SYSTEMS.

4. RECORD DRAWINGS:

THE CONTRACTOR SHALL MAINTAIN AT THE SITE A CLEAN UNDAMAGED SET OF BLUE— OR BLACK—LINE WHITE PRINTS OF THE CONTRACT DRAWINGS. THIS RECORD SET DRAWINGS SHALL MARKED TO SHOW THE ACTUAL INSTALLATION, AND WHERE THE ACTUAL INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. MARK WHICHEVER DRAWINGS ARE MOST CAPABLE OF SHOWING CONDITIONS FULLY AND ACCURATELY. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. MARK RECORD DRAWINGS WITH RED ERASABLE PENCIL; USE OTHER COLORS TO DISTINGUISH BETWEEN VARIATIONS IN SEPARATE CATEGORIES OF THE WORK.

5. CLOSEOUT DOCUMENTS:
SHALL INCLUDE, CERTIFICATE OF OCCUPANCY, ALL WARRANTIES, USERS
MANUAL, WRITTEN MAINTENANCE INSTRUCTIONS FOR ALL MATERIAL AND

EQUIPMENT, AND RECORD DOCUMENTS ('AS-BUILT'), SUBMITTALS AND CHANGE ORDERS.

PRODUCTS:

- 4. ALL MATERIAL SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITERS LABORATORIES.
- 5. CONDUITS SHALL BE 3/4" MINIMUM SIZE, RIGID GALVANIZED STEEL, INTERMEDIATE METAL CONDUIT, LIQUID TIGHT FLEXIBLE CONDUIT, ELECTRICAL METALLIC TUBING, FLEXIBLE METAL CONDUIT, METAL CLAD CABLE OR RIGID NON METALLIC CONDUIT, AND SHALL BE SIZED AND APPLIED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. CONDUIT FITTINGS SHALL BE ALL PLATED STEEL, THREADED OR COMPRESSION TYPE.
- 6. OUTLET AND JUNCTION BOXES SHALL BE 4" SQUARE MINIMUM SIZE, GALVANIZED, STAMPED STEEL, EXCEPT AS NOTED. OUTLET BOXES SHALL BE EQUIPED WITH PLASTER RINGS OF APPROPIATE DEPTH TO FINISH FLUSH WITH FINISHED WALL. MULTIGANG BOXES SHALL BE OF SINGLE PIECE CONSTRUCTION. OUTLET BOXES IN CONCRETE OR MASONRY WALLS SHALL BE MASONRY TYPE. OUTLET BOXES FOR EXPOSED EXTERIOR WALLS SHALL BE WEATHERPROOF WITH THREADED CONDUIT HUBS.
- 7. WIRES AND CABLES SHALL BE COPPER CONDUCTORS AND HAVE APPROVED INSULATION FOR THE SPACES WHERE THEY ARE TO BE USED AND SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. THE MINIMUN TEMPERATURE RATING SHALL BE 75°C, TYPE THHN/THWN.
- 8. NO WIRE SMALLER THAN #12 SHALL BE USED FOR LIGHTING, DUPLEX, AND MOTOR CIRCUITS. ALL WIRE #10 GAUGE AND SMALLER MAY BE SOLID OR STRANDED CONDUCTOR. FOR SIZE #8 AND LARGER STRANDED CABLE SHALL BE USED. ALL WIRES AND CABLES SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED. "IDEAL WIRE LUBE" OR EQUAL SHALL BE USED AS A LUBRICANT. WHERE THE DISTANCE FROM THE PANEL BOARD TO THE LAST OUTLET ON ANY 120V CIRCUIT EXCEEDS 50', THE BRANCH CIRCUIT WIRE FROM THE FIRST OUTLET BEYOND 50' FROM THE PANEL BOARD SHALL NOT BE SMALLER THAN #10 AWG.

- 9. WIRING DEVICES SHALL BE THREE-WIRE, SPECIFICATION GRADE, 20
 AMPERE MINIMUM, DUAL VOLTAGE SWITCHES, DUPLEX RECEPTACLES
 AND GROUND-FAULT CIRCUIT INTERRUPTING RECEPTACLES.
 PROVIDE 302 SATIN STAINLESS STEEL PLATES FOR FINISHED AREAS.
 PROVIDED GASTED WEATHERPROOF COVERPLATES FOR EXTERIOR
 AREAS. SWITCHES AND PLATES FOR ALUMINUM MULLIONS SHALL
 BE "THINLINE". COVER PLATES SHALL BE INSTALLED ON ALL
 SWITCHES, DUPLEX RECEPTACLES, TELEPHONE AND OTHER OUTLETS.
 DEVICES SHALL BE MANUFACTRED BY HUBBELL, BRYANT ELECTRIC
 COMPANY, LEVITON OR P & S COMPANY.
- 10. SAFETY SWITCHES SHALL BE GENERAL DUTY, QUICK-MAKE, QUICK-BREAK, TYPES OF THE SIZE AND FUSE AMPACITY AS DENOTED ON THE DRAWINGS. PROVIDE GROUND BUS, SOLID NEUTRAL, CLASS RK-5 DUAL ELEMENT, TIME DELAY FUSES, AND NEMA RELATED ENCLOSURE.
- 11. ALL GROUNDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, AND AS REQUIRED BY THE DRAWINS.
- 12. BRANCH CIRCUIT BREAKERS SHALL BE OF INDIVIDUAL UNIT CONSTRUCTION COMPLETE WITH QUICK—MAKE, QUICK—BREAK MECHANISM; THERMAL MAGNETIC TRIP; AMBIENT COMPENSATION; AND SHALL BE INTERCHANGEABLE IN THE PANELBOARD ASSEMBLY IN RATINGS FROM 15 TO 100 AMPERES WITHOUT NECESSITATING BUS, LINK OR ASSEMBLY REARRANGENMENT. CIRCUIT BREAKERS SHALL HAVE SUITABLE SCREW TYPE LINE TERMINALS SO THAT THEY WILL BE HELD IN POSITIVE CONTACT WITH THEIR RESPECTIVE LINKS OR BUSSES.
- 13. LAMPS AND LIGHTING FIXTURES SHALL BE AS DESCRIBED IN LIGHT FIXTURES SCHEDULE ON THE DRAWINGS.

INSTALLATION:

- 14. ALL CIRCUIT WIRING SHALL BE INSTALLED IN CONDUIT. IN GENERAL, CONCEAL CONDUIT IN CEILINGS AND WALLS, ROUTE AT THE CEILING AND FEED DOWN TO OUTLETS ON THE WALLS. IN MECHANICAL AREAS OF THE BUILDING, CONDUIT SHALL BE EXPOSED AND ROUTED ON SURFACE OF THE CEILING AND/OR WALLS AS HIGH AS POSSIBLE AND ROUTED SO AS TO NOT INTERFERE WITH OTHER TRADES.
- 15. RGS CONDUIT SHALL BE USED IN ALL AREAS SUBJECTED TO PHYSICAL DAMAGE. FLEX CONDUIT SHALL BE USED FOR ALL CONNECTIONS TO EQUIPMENT SUBJECT TO VIBRATION. EMT MAY BE INSTALLED ONLY IN CONCEALED INTERIOR SPACES ABOVE CEILINGS, OR IN WALLS. SCHEDULE 40 PVC WITH A GROUND WIRE MAY BE USED IN THE FLOOR SLABS OR EXTERIOR BELOW GRADE. NO EXPOSED PVC WILL BE ALLOWED.
- 16. BEFORE INSTALLING OUTLETS, THE ELECTRICAL CONTRACTOR SHALL CONFER WITH THE ARCHITECT TO DETERMINE IF THE OUTLETS ARE TO BE INSTALLED AT HEIGHTS OTHER THAN THOSE GIVEN HEREIN.
- 17. FURNISH AND INSTALL ANY MISCELLANEOUS METAL OR WOOD SUPPORTS, FASTENERS, MOUNTS, HANGERS, SIDE BRACES, ETC., WHICH MAY BE REQUIRED TO SECURELY ANCHOR AND SUPPORT ELECTRICAL EQUIPMENT FURNISHED UNDER THIS CONTRACT.
- 18. MAKE PROVISION AND PROVIDE POWE WIRING INCLUDING FINAL EQUIPMENT CONNECTION TO ALL EQUIPMENT FURNISHED AND INSTALLED BY OTHERS. VERIFY THE EXACT REQUIREMENT OF EQUIPMENT BEFORE INSTALLATION OF ELECTRICAL WORK.
- 19. ALL REQUIRED BUILDING PERMIT FOR THE ELECTRIAL PORTION OF THE WORK SHALL BE INCLUDED. A FINAL INSPECTION BY THE OWNER, ARCHITECT, ENGINEER, AND ALL INVOLVED AGENCIES WILL BE CONDUCTED UPON COMPLETION OF THE WORK TO DETERMINE ACCEPTABILITY OF THE WORK. IN ADDITION, AN INSPECTION BY THE ELECTRICAL INSPECTOR AND CERTIFICATE OF APPROVAL WILL BE REQUIRED PRIOR TO FINAL PAYMENT FOR THE WORK. ALL FEES FOR BUILDING PERMITS AND ELECTRICAL INSPECTIONS SHALL BE INCLUDED.

END OF SECTION 16000

CONTRACTOR SHALL REVIEW ARCHITECTURAL LIFE SAFETY DRAWINGS FOR FIRE RATED PARTITIONS AND PROVIDE U.L. LISTED FIRE RATED ASSEMBLIES FOR PENETRATIONS.



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ARCHITECT OF RECORD

REVISION SCHEDULE

DESCRIPTION	DATE
FOR PERMIT	06/19/17



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PE-57783 ENGINEER OF RECORD

BIM / DRAWINGS BY:

ENGINEER OF RECOR

PROJECT TEAM
DESIGNER

GJ/GP

GP CHECKED BY:

Naples Fire Station #2 Int. Renovation (Ceilings / HVAC) 6788-17-2974

PROJECT NUMBER | STATUS | ISSUE DATE

100% CD | 06/19/17

ELECTRICAL SPECIFICATIONS

SCALE: -

E-601

SHEET NUMBER

City of Naples, FL 18-002 Fire Station #2 Improvements ITB